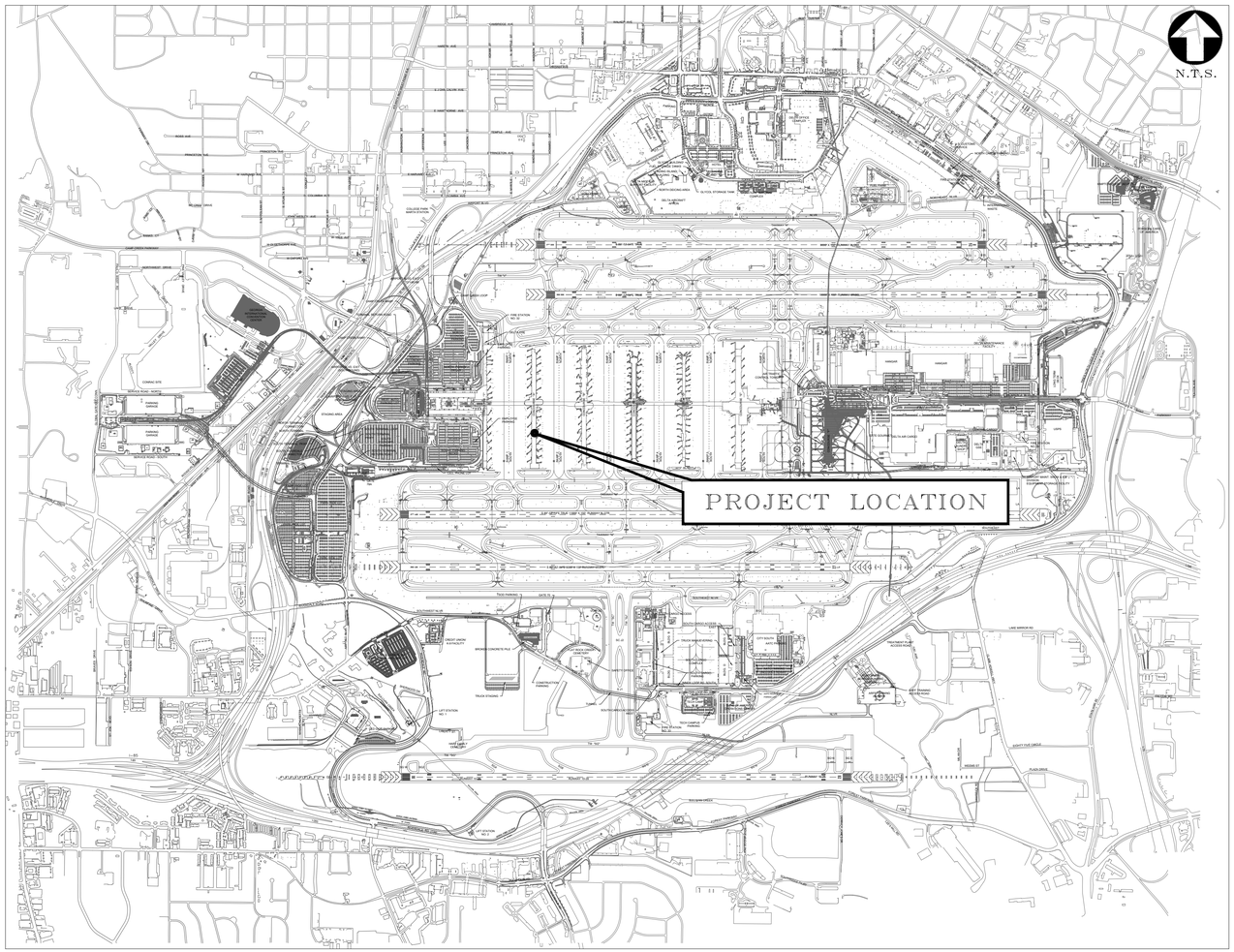
CITY OF ATLANTA, GEORGIA
Hartsfield-Jackson Atlanta International Airport

CITY OF ATLANTA
HARTSFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT

100% AIRPORT REVIEW
CORNER CAFE
SPACE AS-15-FB / CONCOURSE A - A11
MARCH 24, 2026



SHEET NO:
CS1

PROJECT INFORMATION

CORNER CAFE - AS-15-FB / TERMINAL A
6000 N TERMINAL RD
ATLANTA, GA 30320, UNITED STATES

PROJECT DESCRIPTION: NEW TENANT FINISH-OUT IN EXISTING SPACE FOR A FOOD & BEVERAGE CONCEPT WITH COUNTER SERVICE.

AREA: 1,720 SQUARE FEET

BUILDING CODES:
2024 INTERNATIONAL BUILDING CODE (GEORGIA AMENDMENTS)
2015 INTERNATIONAL ENERGY CONSERVATION CODE (GEORGIA AMENDMENTS)
2024 INTERNATIONAL PLUMBING CODE (GEORGIA AMENDMENTS)
2024 INTERNATIONAL FIRE CODE (2024 AMENDMENTS)
2024 INTERNATIONAL MECHANICAL CODE (GEORGIA AMENDMENTS)
2023 NATIONAL ELECTRICAL CODE
NFPA 101 - LIFE SAFETY CODE, 2024 EDITION

OCCUPANCY TYPE: A2 (ASSEMBLY USES INTENDED FOR FOOD AND/OR DRINK CONSUMPTION)

FULLY SPRINKLERED (EXISTING) - TO BE MODIFIED
CONSTRUCTION TYPE: 2B

OCCUPANCY LOAD CALCULATIONS:
KITCHEN, COMMERCIAL (200 GROSS) 747 SF / 200 GROSS SF = 4 OCCUPANTS
TABLES & CHAIRS (15 NET) 115 SF / 15 NET SF = 8 OCCUPANTS
STOOLS (1 PER STOOL) 17 STOOLS = 17 OCCUPANTS
BOOTH/BANQUETTE (1/24 INCHES IBC 1004.6) 21'-0" = 11 OCCUPANTS
AIRPORT TERMINAL WAITING (15 GROSS) 394 SF / 15 GROSS SF = 26 OCCUPANTS

OCCUPANCY LOAD TOTAL : 66 OCCUPANTS

EGRESS WIDTH CALCULATED: 13.2" (66 OCCUPANTS X 0.2") - MIN 36" REQUIRED
EGRESS WIDTH PROVIDED: 384" WIDE

PROJECT COMMUNICATION

SMARTDESIGN GROUP WILL PROVIDE A PLANGRID ACCOUNT FOR THE DESIGN TEAM AND CONTRACTORS FOR THE DURATION OF THE PROJECT.

THE DESIGN TEAM WILL UTILIZE THE PLANGRID CONSTRUCTION PRODUCTIVITY SOFTWARE WWW.PLANGRID.COM FOR ALL DRAWING AND DOCUMENT COORDINATION WITH SITE. INCLUDING BUT NOT LIMITED TO DRAWING AND DOCUMENT ISSUANCE, SUBMITTAL / SHOP DRAWING TRACKING RFIS, FIELD REVIEWS, COORDINATION MARK UPS AND PROGRESS PHOTO DOCUMENTATION.

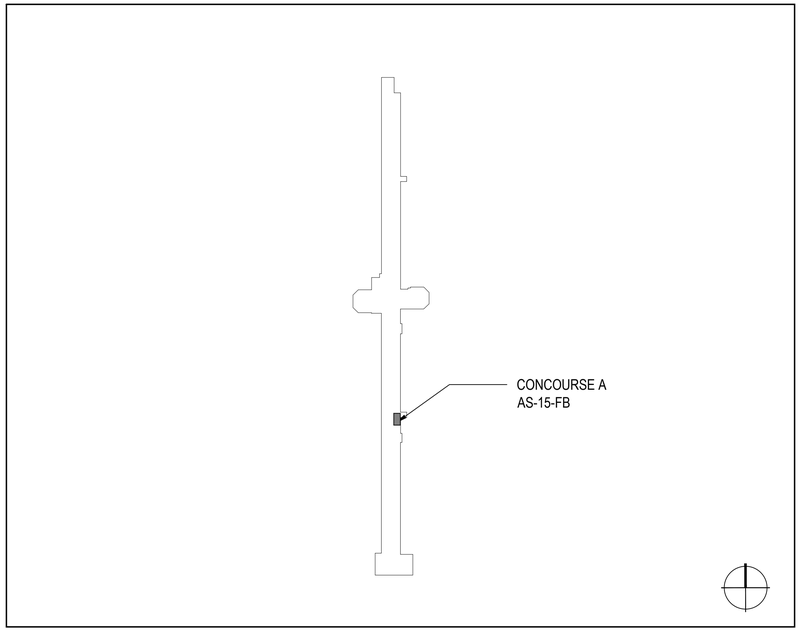
PROGRESS PHOTOS - THE CONTRACTOR WILL BE RESPONSIBLE FOR PHOTO DOCUMENTING ALL CONSTRUCTION MILESTONES. PHOTOS TO BE 360 DEGREE FORMAT AND TO BE TAKEN FROM A CONSISTENT VIEW POINT WITHIN EACH SPACE AND UPLOADED TO PLANGRID AT **MINIMUM ON A WEEKLY BASIS**.

THE ADDITION OF COORDINATION MARK UPS, TASK ITEMS, AND PHOTOGRAPH LOCATION ICON WILL BE COLOR CODED AS FOLLOWS - THE COLOR DESIGNATING THE PARTY THAT ADDED THE MARK UP.

- CONTRACTOR / SUB CONTRACTOR
- SMART DESIGN GROUP
- ARCHITECT OF RECORD
- MECHANICAL ENGINEER OF RECORD
- ELECTRICAL ENGINEER OF RECORD
- PLUMBING ENGINEER OF RECORD
- STRUCTURAL ENGINEER OF RECORD
- OWNER

QUESTIONS ARISING THE USE OF PLANGRID CAN BE ADDRESSED TO THE SMART DESIGN GROUP PROJECT MANAGER.
SUPPORT IS ALSO AVAILABLE ON LINE AT HELP CENTER OR WITH CHAT SUPPORT WITHIN THE PLANGRID APPLICATION.

KEY PLAN



PROJECT CONTACTS

OWNER / TENANT
COMPANY: PARADIES LAGARDERE
CONTACT: DAVID TANNER
240 RICHMOND STREET WEST
TORONTO, ON M5V 1V6
T: 404.314.8042
E: DAVID.TANNER@PARADIES-NA.COM

PRIME CONSULTANT:
COMPANY: SMARTDESIGN GROUP
CONTACT: PAR BAIN
SUITE 102 - 1150 STATION STREET
VANCOUVER, BC CANADA V6A 4C7
T: 778.945.1257
E: PBAIN@SMARTDESIGNGROUP.COM

MEP ENGINEER:
COMPANY: HAMMOND & ASSOCIATES, INC.
CONTACT: MINCOYA CRENSHAW
6961 PEACHTREE INDUSTRIAL BLVD, SUITE 208
NORCROSS, GEORGIA 30092
T: 470.984.5011
E: MINCOYAC@HAMMONDENGINEERS.COM

ARCHITECT OF RECORD:
COMPANY: NCA PARTNERS-ARCHITECTURE
CONTACT: KYLE BRUNS
5646 MILTON STREET, SUITE 610
DALLAS, TX 75206
T: 214-361-9901 x 102
E: KYLE@NCAPARTNERS.COM

STRUCTURAL ENGINEER:
COMPANY: FORESITE GROUP
CONTACT: JANICE WEAVER
3740 DAVINCI CT. SUITE 100
PEACH CORNERS, GA 30092
T: 770.368.1399
E: JWEAVER@FG-INC.NET

LANDLORD:
HARTSFIELD-JACKSON ATLANTA INT'L AIRPORT
6000 N TERMINAL PKWY
ATLANTA, GA 30320
T: 800.897.1910

GENERAL NOTES

1. GENERAL CONTRACTOR SHALL COMPLY WITH AND REVIEW AATC CONSTRUCTION AND GUIDELINE REQUIREMENTS AT HTTP://WWW.AATC.ORG.
2. UTILITIES: AATC REQUEST AT A MINIMUM, A 5 DAYS NOTIFICATION FOR THE FOLLOWING CONDITIONS OF CONSTRUCTION: TIE-INS/SERVICE INTERRUPTIONS TO ELECTRICAL SUB PANELS, FIRE PROTECTION SYSTEMS, HVAC SYSTEMS, PLUMBING SYSTEMS; SERVICE INTERRUPTIONS FOR ELEVATORS/ESCALATORS, ROOF ACCESS AND FLOOR CORING. PRIOR TO ROOF OR FLOOR CORING AN ULTRASOUND REPORT IS REQUIRED FROM THE CONTRACTOR. UTILITY INTERRUPTIONS ARE CONDUCTED DURING THE HOURS OF 11:00 P.M.- 5:00 A.M. (NO DAYTIME HOURS) THE CONTRACTOR CANNOT COMMENCE WORK WITHOUT AN EMAIL CONFIRMATION OR RECEIPT OF NOTIFICATION OR CONFIRMATION. ALL COSTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. FORMS CAN BE LOCATED AT HTTP://WWW.AATC.ORG.
3. PLEASE NOTIFY AATC (K.HALE@AATC.ORG) A MINIMUM OF 24-HOURS BEFORE START OF CONSTRUCTION.
4. PLEASE NOTIFY AATC (K.HALE@AATC.ORG) OF ANY PRE-CONSTRUCTION AND PROGRESS MEETINGS.
5. PLEASE NOTIFY AATC VIA E-MAIL AT C.DANIELS@AATC.ORG OF ANY PRE-EXISTING CODE RELATED OR NEW CONSTRUCTION WARRANTY CONCERNS THAT WILL NOT BE ADDRESSED BY THIS PROJECT, PREFERABLY BEFORE START OF CONSTRUCTION.
6. PROCUREMENT OF AIRPORT ARCHITECTURAL FINISHES SUCH AS CEILING TILES, WALL COVERING AND PAINT ARE THE RESPONSIBILITY OF THE CONTRACTOR. FLOORING FOR COMMON USE AREAS OR TO MATCH EXISTING MATERIALS CAN BE PURCHASED FROM AATC (AMOORER@AATC.ORG).
7. ALL ABANDONED HVAC, PLUMBING, AND ELECTRICAL EQUIPMENT SHOULD BE REMOVED PER DOA DESIGN STANDARDS. ANY DUCT BOARD FOUND IN CEILING SHOULD BE REPLACED OR REPORTED TO DOA ENGINEERING.
8. BUILDING MANAGEMENT SYSTEM (BMS) COMMUNICATIONS MUST BE IDENTIFIED AND TAGGED PRIOR TO DEMO TO PREVENT SERVICE INTERRUPTION. ANY INTERRUPTIONS TO THE BMS COMMUNICATIONS BUS REQUIRE A UTILITY SERVICE REQUEST FORM.
9. ALL RETURN AIR INTAKES MUST BE COVERED WITH MERV 8 FILTER MEDIA DURING ALL PHASES OF CONSTRUCTION.
10. A SECURITY PLAN MUST BE APPROVED BY DOA SECURITY PRIOR TO COMMENCEMENT OF THIS PROJECT.
11. GENERAL CONTRACTOR SHALL UTILIZE SONAR TECHNOLOGY PRIOR TO PENETRATING EXISTING CONCRETE STRUCTURE (SLAB) IF REQUIRED.
12. GENERAL CONTRACTOR TO CONTACT AATC ENGINEERING WITH THE CLOSING DATE OF THE CLOSING CONCESSION AND THE CURRENT/FINAL METER READING BEFORE SWITCH OVER TO BACNET COMPATIBLE DIGITAL DISPLAY METERS. REFER TO MEP FOR SPEC.
13. GENERAL CONTRACTOR TO ENSURE THAT ALL CAMERAS HAVE A PERMANENT LABEL LISTING THE PANEL AND BREAKER NUMBER.
14. NEW CONCESSION BUILD OUTS ARE REQUIRED TO TIE INTO NEW FIRE MAIN. CONTACT AATC FOR LOCATION INFORMATION.
15. ALL MODIFICATIONS TO THE FLOOR REQUIRE WATERPROOF SEALING PER DOA STANDARDS. ANY SPACE THAT IS BEING FLOOD TESTED MUST BE MONITORED 24 HOURS PRIOR TO, DURING AND AFTER THE TEST (3 DAYS MINIMUM). THE OWNER OF THE SPACE IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH LEAKS AND WILL BE BILLED ACCORDINGLY FOR ANY DAMAGES. CONTRACTOR MUST CONTACT OCCUPANTS IN SPACE BELOW PRIOR TO AND AFTER PERFORMING FLOOD TEST
16. BOTH CONCESSION METERS AND BREAKERS MUST BE IDENTIFIED, LABELED WITH THE CONCESSIONS NAME AND SPACE NUMBER AND COMMUNICATED TO AATC ENGINEERING PRIOR TO OPENING THE CONCESSION.
17. PLEASE CONTACT AATC ENGINEERING WITH THE CLOSING DATE OF THE CLOSING CONCESSION AND THE CURRENT/FINAL METER READING. PLEASE NOTIFY AATC ENGINEERING WITH THE ACTIVATION DATE, METER NUMBER AND LOCATION OF THE NEW METER.
18. ALL WORK MUST BE COORDINATED WITH THE OWNER'S REPRESENTATIVE: ATLANTA AIRLINES TERMINAL CORPORATION, AATC
19. ALL WORK SHALL COMPLY WITH THE OWNER'S STANDARDS, THE CITY OF ATLANTA – DEPARTMENT OF AVIATION AND WITH THE ATLANTA AIRLINES TERMINAL CORPORATION, AATC REQUIREMENTS
20. DRAIN LINES LOCATED NEAR AN ICE MACHINE SHOULD BE INSULATED TO PREVENT CONDENSATION, IF THERE IS A TENANT SPACE BELOW.
21. P-TRAPS, SANITARY, KITCHEN, AND DOMESTIC WATER PIPING EXPOSED TO FREEZING SHALL BE HEAT TRACED AND INSULATED WITH ALUMINUM JACKET PER DOA STANDARDS.
22. ENSURE THAT THE GREASE DRAIN SPOUT FINISHES INSIDE OF THE GREASE BOX/REMOVABLE CUP AND NOT OUTSIDE OF IT; OTHERWISE THE GREASE CAN BE CARRIED BY THE WIND ONTO THE ROOF MEMBRANE.
23. DO NOT RUN PLUMBING THROUGH ELECTRICAL ROOMS OR ABOVE ELECTRICAL PANELS.
24. PLEASE EMAIL AFRD AVIATION FIRE INSPECTIONS AT AFRDAVIATIONINSPECTIONS@ATLANTAGA.GOV PRIOR TO BEGINNING CONSTRUCTION. ADDITIONALLY, IMMEDIATELY AFTER RECEIVING YOUR CERTIFICATION OF OCCUPANCY, CONTACT THE SAME EMAIL TO SCHEDULE A FINAL FACILITY INSPECTION BEFORE THE SPACE IS OCCUPIED.
25. AATC MANAGES THE ROOF AND THE COMPANY THE HOLDS THE WARRANTY IS MOPAC. THE POINT OF CONTACT IS ANDRE GRAVES (AGRAVES@MOPAC.BIZ). ALL ROOF WORK SHALL BE COORDINATED WITH MOPAC.
26. PROVIDE LIGHTNING PROTECTION FOR ROOF TOP EQUIPMENT AS REQ'D BY AIRPORT.

THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, INTERIOR DESIGN, FOOD SERVICE, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL DRAWINGS AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

THIS DRAWING SHOULD ALSO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL MASTER SPECIFICATION, FOOD SERVICE SPECIFICATION AND ENVIRONMENTAL GRAPHICS SPECIFICATION AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

INDEX OF DRAWINGS

	100 % AIRPORT REVIEW	2026.03.24
	60 % AIRPORT REVIEW	2026.02.09
	60 % OFI PRE-BID	2026.02.04
	60 % CLIENT REVIEW	2025.11.21
	60 % COORDINATION REVIEW	2025.10.27
	30 % AIRPORT REVIEW	2025.08.15
	30 % CLIENT REVIEW	2025.07.10
CS1	COVER SHEET	
CS2	PROJECT INFORMATION SHEET	

ARCHITECTURAL DRAWINGS

A 0.0	RESPONSIBILITY MATRIX
A 2.0	SPECIFICATIONS
A 2.1	SPECIFICATIONS
A 3.0	ACCESSIBILITY REQUIREMENTS
A 3.1	ACCESSIBILITY REQUIREMENTS
A 4.0	LIFE SAFETY PLAN
A 5.0	BARRICADE PLAN
A 5.1	BARRICADE ELEVATIONS
A 6.0	DEMOLITION PLAN
A 6.1	DEMOLITION RCP
A 7.0	CONSTRUCTION PLAN & DOOR DETAILS
~~A 7.1~~	~~DOOR DETAILS~~
A 7.2	ROOF PLAN
A 8.0	REFLECTED CEILING PLAN
A 8.1	RCP & MECHANICAL COORDINATION
A 9.0	SECTIONS & DETAILS
A 9.1	SECTIONS & DETAILS

INTERIOR DESIGN DRAWINGS

ID 0.0	ID GENERAL NOTES
ID 1.0	FINISH SCHEDULE
ID 1.1	FINISH & FURNITURE SCHEDULE
ID 1.2	LIGHTING SCHEDULE
ID 2.0	FLOOR PLAN
ID 4.0	FINISH PLAN
ID 5.0	ELEVATIONS
ID 5.1	ELEVATIONS
ID 5.2	ELEVATIONS
ID 5.3	ELEVATIONS
ID 6.0	ID SECTIONS & DETAILS
ID 6.1	ID SECTIONS & DETAILS
ID 6.2	ID SECTIONS & DETAILS
ID 7.0	MILLWORK
ID 7.1	MILLWORK
ID 7.2	MILLWORK
ID 7.3	MILLWORK
ID 7.4	MILLWORK
ID 7.5	MILLWORK
ID 7.6	MILLWORK
ID 7.7	MILLWORK

FOOD SERVICE DRAWINGS

FS 0.0	FS NOTES
FS 1.0	FS GENERAL SPEC 1
FS 1.1	FS GENERAL SPEC 2
FS 1.2	FS FABRICATION SPEC 1
FS 1.3	FS FABRICATION SPEC 2
FS 1.4	FS FABRICATION SPEC 3
FS 2.0	FS EQUIPMENT PLAN
FS 3.0	FS EQUIPMENT SCHEDULE
FS 4.0	FS PENETRATIONS & WALK-IN COOLER
FS 4.1	FS CURBS & PONY WALLS
FS 4.2	FS LINE RUNS
FS 5.0	FS ELEC. REQUIREMENTS
FS 6.0	FS MECH. REQUIREMENTS
FS 7.0	FOOD SERVICE ELEVATIONS & SECTIONS
FS 7.1	FOOD SERVICE ELEVATIONS & SECTIONS
FS 8.0	FOOD SERVICE TYPICAL DETAILS
FS 8.1	FOOD SERVICE TYPICAL DETAILS
FS 8.2	FOOD SERVICE TYPICAL DETAILS
FS 8.3	FOOD SERVICE TYPICAL DETAILS
FS 8.4	FOOD SERVICE TYPICAL DETAILS

MECHANICAL DRAWINGS

M 0.1	MECHANICAL COVER SHEET
M 0.2	MECHANICAL SPECIFICATIONS
MD 1.1	MECHANICAL PLAN DEMO - LEVEL 1
M 1.1	MECHANICAL PLAN-LEVEL 1
M 1.2	MECHANICAL RCP PLAN - LEVEL 1
M 1.3	MECHANICAL PLAN - ROOF
M 5.1	MECHANICAL DETAILS
M 7.1	MECHANICAL CONTROLS

ELECTRICAL DRAWINGS

E 0.1	ELECTRICAL COVER SHEET
E 0.2	ELECTRICAL SPECIFICATIONS
ED 1.1	ELECTRICAL DEMO PLAN
E 1.1	ELECTRICAL PLAN
E 1.2	ELECTRICAL PLAN ROOF
E 2.1	FIRE ALARM PLAN
E 5.1	ELECTRICAL DETAILS
E 6.1	ELECTRICAL PANEL SCHEDULE
E 7.1	IT NOTES
E 9.1	ELECTRICAL -SINGLE LINE DIAGRAM

PLUMBING DRAWINGS

P 0.1	PLUMBING COVER SHEET
P 0.2	PLUMBING SCHEDULES
P 0.3	PLUMBING SPECIFICATIONS
P 1.1	PLUMBING PLAN - LEVEL 1
P 1.2	PLUMBING PLAN - APRON LEVEL
P 1.3	PLUMBING PLAN - ROOF
P 5.1	PLUMBING DETAILS
P 9.1	PLUMBING ISOMETRICS

FIRE PROTECTION DRAWINGS

FP0.1	FIRE PROTECTION COVER SHEET
FP01.1	FIRE PROTECTION EXISTING RCP PLAN - LEVEL 1
FP1.1	FIRE PROTECTION RCP PLAN - LEVEL 1
FP5.1	FIRE PROTECTION DETAILS AND SPECIFICATIONS

STRUCTURAL DRAWINGS

S 0.0	STRUCTURAL GENERAL NOTES
S 1.0	STRUCTURAL PLAN
S 2.0	STRUCTURAL DETAILS
S 2.1	STRUCTURAL DETAILS

PROJECT SPECIFICATIONS & SUPPORTING DOCUMENTS

	ARCHITECTURAL SPECIFICATION
	FOOD SERVICE SPECIFICATION / CUT SHEETS
	ENVIRONMENTAL GRAPHICS SPECIFICATION

smartdesigngroup.com

smart

LANDLORD

CITY OF ATLANTA, GEORGIA
Hartsfield-Jackson Atlanta International Airport

OWNER / TENANT

Paradies Lagardère TRAVEL RETAIL

BRAND / LOCATION

Corner Cafe

ARCHITECT OF RECORD

NCA | Partners ARCHITECTURE

MEP ENGINEER OF RECORD

HAMMOND & ASSOCIATES INC. ENGINEERING CONSULTANTS

STRUCTURAL ENGINEER OF RECORD

FORESITE group
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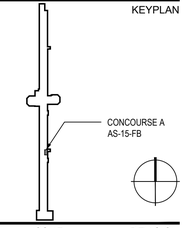
3740 Davinci Ct, Suite 100 Peachtree Corners, GA 30092
www.foresitegroup.net 770.368.1399

KEYPLAN



DATE	ISSUE	REVISION
2025.07.10	30% CLIENT REVIEW	
2025.08.15	30% AIRPORT REVIEW	
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.03.24	100% AIRPORT REVIEW	

NOT FOR CONSTRUCTION

This drawing must not be scaled. The General Contractor shall verify all dimensions on site prior to commencement of work. All errors omissions to be reported immediately to the Designer. Variations & modifications to work shown on these drawings shall not be carried out without written permission from the Designer. This drawing is the exclusive property of the Designer and can be reproduced only with the permission of the Designer in which case the reproduction must bear their name.

ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
PROJECT INFORMATION SHEET

SHEET NUMBER

CS2

PROJECT NUMBER	1808

PROJECT RESPONSIBILITY MATRIX - FOOD & BEVERAGE

REV10/02/2023

ITEMS	DESCRIPTION	N/A	EXISTING	TENANT SUPPLY	TENANT UNLOAD	TENANT INSTALL	LL SUPPLY	LL UNLOAD	LL INSTALL	GC SUPPLY	GC UNLOAD	GC INSTALL	SC (EG) SUPPLY	SC (EG) UNLOAD	SC (EG) INSTALL	MWC SUPPLY	MWC UNLOAD	MWC INSTALL	AVC SUPPLY	AVC UNLOAD	AVC INSTALL	FEC SUPPLY	FEC UNLOAD	FEC INSTALL	TENANT'S VENDORS SUPPLY	TENANT'S VENDORS UNLOAD	TENANT'S VENDORS INSTALL	NOTES
1.0	**GENERAL REQUIREMENTS**																											
1.1	PERMITS AND FEES									●																		
1.2	INSPECTION AND COORDINATION									●																		
1.3	TEMPORARY HEAT									●	●	●																
1.4	TEMPORARY ELECTRICAL									●	●	●																
1.5	CLEAN UP									●	●	●																
1.6	INSURANCE									●	●	●																
1.7	HAZMAT / ASBESTOS SURVEY									●	●	●																TO FOLLOW AIRPORT PROTOCOLS
1.8	SITE ACCESS/ESCORTING									●	●	●																
2.0	**DEMOLITION**																											
2.1	INTERIOR PARTITIONS / CEILING / FLOORING									●	●	●																
2.2	MECHANICAL									●	●	●																
2.3	PLUMBING									●	●	●																
2.4	ELECTRICAL									●	●	●																
2.5	HAZMAT / ASBESTOS ABATEMENT									●	●	●																
2.6	AS BUILT SITE VERIFICATION / REDLINE DRAWING									●	●	●																CONFIRM IF REQUIRED BY AIRPORT
3.0	**SITE WORK**																											
3.1	BARRICADE / DOORS / LOCKBOX									●	●	●																GC TO COORD. CYLINDER REQ. WITH AIRPORT
3.2	LAYOUT VERIFICATION									●	●	●																PROVIDE REDLINE VERIFICATION TO DRAWING
3.3	MAKE GOOD ALL FIRE RATED ASSEMBLIES & COATINGS									●	●	●																
3.4	CORE DRILLING OF EXISTING SLAB/SCANNING /XRAY									●	●	●																
3.5	CARPENTRY / FRAMING									●	●	●																
3.6	WALL BLOCKING									●	●	●																
3.7	MOISTURE CONTROL / WATER PROOFING									●	●	●																
3.8	INSULATION									●	●	●																
3.9	FLOOR LEVELING									●	●	●																
4.0	**METAL**																											
4.1	STRUCTURAL STEEL									●	●	●																INC. STOREFRONT SECURITY GRILL SUPPORT
4.2	ENGINEERED SHOP DRAWINGS									●	●	●																
4.3	LIGHT GAUGE FRAMING									●	●	●																
4.4	ARCHITECTURAL / DECORATIVE METALWORKS									●	●	●																
5.0	**DOORS**																											
5.1	STOREFRONT SECURITY GRILLE										●														●		●	GC TO COORDINATE SITE MEASURE
5.2	STOREFRONT SECURITY GRILLE POCKET DOOR									●	●	●																
5.3	DOOR / DOOR FRAMES									●	●	●																
5.4	DOOR HARDWARE									●	●	●																
5.5	DOOR LOCKS									●	●	●																GC TO COORD. CYLINDER REQ. WITH AIRPORT
6.0	**FINISHES**																											
6.1	FLOORING - FRONT OF HOUSE										●	●													●			GC TO COORDINATE SITE MEASURE
6.2	FLOORING - BACK OF HOUSE									●	●	●																
6.3	WALLS									●	●	●																
6.4	WALLS - SS WALL CLADDING IN BOH AREAS									●	●	●																REFER TO FS DRAWINGS AND SPECIFICATIONS
6.5	CEILING									●	●	●																
6.6	ARCHITECTURAL WOODWORK									●	●	●																
7.0	**ENVIRONMENTAL GRAPHICS**												●	●	●													
7.1	STOREFRONT SIGNAGE												●	●	●													GC COORDINATION & ESCORTS
7.2	INTERNAL SIGNAGE & GRAPHICS												●	●	●													GC COORDINATION & ESCORTS
7.3	TEMPORARY BARRICADE SIGNAGE												●	●	●													GC COORDINATION & ESCORTS
7.4	FINAL CONNECTIONS OF SIGNS									●	●	●																
8.0	**DATA**																											
8.1	IT RACK & PATCH PANEL (POS / AV / SECURITY SYSTEMS)									●	●	●																
8.2	DMERC IN SPACE									●	●	●																
8.3	CABLING FROM LANDLORDS IT CLOSET									●	●	●																
9.0	**AV EQUIPMENT**																											
9.1	EQUIPMENT (TV'S / FIDS)																		●	●	●							GC COORDINATION & ESCORTS
9.2	SPEAKERS																		●	●	●							GC COORDINATION & ESCORTS
9.3	CABLING AND WIRING									●	●	●																
9.4	TERMINATIONS									●	●	●																
9.5	CONDUIT									●	●	●																
9.6	EQUIPMENT CONNECTIONS																		●	●	●							GC COORDINATION & ESCORTS
10.0	**SECURITY EQUIPMENT**																											
10.1	EQUIPMENT (CAMERAS / RECORDERS ETC.)																								●	●	●	GC COORDINATION & ESCORTS
10.2	CABLING AND WIRING									●	●	●																
10.3	TERMINATIONS									●	●	●																
10.4	CONDUIT									●	●	●																
10.5	EQUIPMENT CONNECTIONS																								●	●	●	GC COORDINATION & ESCORTS
11.0	**POS EQUIPMENT**																											
11.1	EQUIPMENT (POS / CASH DRAWERS / PRINTERS ETC.)										●														●		●	GC COORDINATION & ESCORTS
11.2	CABLING AND WIRING									●	●	●																
11.3	TERMINATIONS & LABELLING									●	●	●																
11.4	CONDUIT									●	●	●																
11.5	EQUIPMENT CONNECTIONS																								●	●	●	GC COORDINATION & ESCORTS
12.0	**TELEPHONE EQUIPMENT**																											
12.1	EQUIPMENT										●														●		●	GC COORDINATION & ESCORTS
12.2	CABLING AND WIRING									●	●	●																
12.3	TERMINATIONS									●	●	●																
12.4	CONDUIT									●	●	●																
13.0	**FOOD SERVICE EQUIPMENT**																											
13.1	FOOD SERVICE EQUIPMENT (BUY OUTS)																					●	●	●				
13.2	FOOD SERVICE EQUIPMENT (CUSTOM FABRICATION)																					●	●	●				
13.3	WALK IN COOLER / FREEZERS - PANELS																					●	●	●				GC COORDINATION & ESCORTS
13.4	WALK IN COOLER / FREEZERS - TRIM / FILLERS																					●	●	●				SUPPLY BY COOLER MANUFACTURER / INSTALL BY FEC
13.5	WALK IN COOLER / FREEZERS - REFRIGERATION SYSTEMS																					●	●	●				INSTALL BY FEC / RC
13.6	WALK IN COOLER / FREEZERS - LIGHTING											●										●	●					INSTALL & FINAL CONNECTION BY EC
13.7	BEER SYSTEM																					●	●	●				GC COORDINATION & ESCORTS
13.8	SODA SYSTEM																								●	●	●	GC COORDINATION & ESCORTS
13.9	BEER SYSTEM CONDUIT									●	●	●																
13.10	SODA SYSTEM CONDUIT									●	●	●																
13.11	CHEMICAL DISPENSERS																								●	●	●	GC COORDINATION & ESCORTS
13.12	HAND SOAP DISPENSER																								●	●	●	GC COORDINATION & ESCORTS
13.13	WALL MOUNTED PAPER TOWEL DISPENSER																					●	●	●				GC COORDINATION & ESCORTS
13.14	FINAL FOODSERVICE EQUIPMENT CONNECTIONS									●	●	●																
13.15	FS EQUIPMENT SMALLWARES (FS1000-FS1099)			●	●	●																						
14.0	**FIRE PROTECTION SYSTEMS**																											
14.1	AREA SPRINKLERS									●	●	●																
14.2	SPRINKLER SHOP DRAWINGS									●	●	●																
14.3	BASE BUILDING INTEGRATION / ALARMS									●	●	●																
14.4	GENERAL FIRE EXTINGUISHERS / ENCLOSURES									●	●	●																
14.5	FS EXHAUST HOOD FIRE SUPPRESSION SYSTEMS									●	●	●																
14.6	FS EXHAUST HOOD FIRE SUPPRESSION COMMISSIONING)									●	●	●																
14.7	K CLASS FIRE EXTINGUISHERS									●	●	●																REFER TO FS DRAWINGS AND SPECIFICATIONS
15.0	**FURNISHINGS**																											
15.1	MILLWORK / CASEWORK															●	●	●										
15.2	COUNTER TOPS / SOLID SURFACE															●	●	●										
15.3	LOOSE FURNITURE & FIXTURES (BUY OUTS)										●	●										●						
15.4	LOOSE FURNITURE & FIXTURES (CUSTOM)										●	●										●						
15.5	MANAGERS TASK CHAIR			●	●	●																						
15.7	DISPLAY ACCESSORIES / HARDWARE									●	●	●																
15.8	DÉCOR ITEMS									●	●	●																
16.0	**MECHANICAL / PLUMBING**																											
16.1	HVAC EQUIPMENT (FANS / FAN COIL UNITS ETC.)									●	●	●																
16.2	DISTRIBUTION / DUCTING / DIFFUSERS									●	●	●																
16.3	HVAC BALANCING & REPORT									●	●	●																
16.4	FS TYPE 1 EXHAUST DUCTS AND FANS									●	●	●																
16.5	FS TYPE 2 EXHAUST DUCTS AND FANS									●	●	●																
16.6	FS EXHAUST HOOD TRIMS AND FILLER PANELS									●	●	●																SUPPLIED BY HOOD MANUFACTUER INSTALL BY GC
16.7	KITCHEN MAKE UP AIR UNITS									●	●	●																
16.8	PLUMBING DISTRIBUTION / PIPING									●	●	●																
16.9	FILTER WATER LINE FINAL CONNECTION TO EQUIPMENT									●	●	●																
17	PLUMBING FIXTURES (NOT INCLUDED IN FS SCOPE)									●	●	●																
17.1	METERS									●	●	●																
17.0	**ELECTRICAL**																											
17.1	ELECTRICAL SERVICE TO SPACE									●	●	●																
17.2	DISTRIBUTION (CONDUIT / TRANSFORMERS / PANELS)									●	●	●																
17.3	LIGHT SWITCHES / DIMMING CONTROLS									●	●	●																
17.4	METERS									●	●	●																
18.0	**LIGHT FIXTURES**																											
18.1	LIGHT FIXTURES - IN CEILING										●	●													●			
18.2	LIGHT FIXTURES - DECORATIVE										●	●													●			
18.3	LIGHT FIXTURES - VALANCES / COVE										●	●													●			
18.4	LIGHT FIXTURES - MILLWORK										●	●													●			
18.5	LIGHT FIXTURES - EMERGENCY / EXIT									●	●	●																
18.6	LIGHT FIXTURES - BATTERY BACK UP									●	●	●																

LEGEND	N / A	SUB CONTRACTED THROUGH GC	CONTRACTED TO TENANT (CLIENT)
MC - MECHANICAL CONTRACTOR		●	
EC - ELECTRICAL CONTRACTOR		●	
SC (EG) - SIGNAGE & ENVIRONMENTAL GRAPHICS			●
MWC - MILLWORK CONTRACTOR			●
AVC, - AUDIO VISUAL CONTRACTOR			●
FEC, - FOODSERVICE EQUIPMENT CONTRACTOR			●
TENANT'S VENDORS*			●
GC - GENERAL CONTRACTOR			●
LL - LANDLORD (AIRPORT AUTHORITY)	●		
TENANT (CLIENT)	●		

*TENANT'S VENDORS INCLUDE
- LIGHTING
- TILE
- STORE FRONT CLOSURES
- SODA
- CLEANING CHEMICALS

THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, INTERIOR DESIGN, FOOD SERVICE, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL DRAWINGS AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

THIS DRAWING SHOULD ALSO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL MASTER SPECIFICATION. FOOD SERVICE SPECIFICATION AND ENVIRONMENTAL GRAPHICS SPECIFICATION AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

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LANDLORD

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

OWNER / TENANT

Paradies Lagardère TRAVEL RETAIL

BRAND / LOCATION

Corner Cafe

ARCHITECT OF RECORD

NCA | Partners ARCHITECTURE

MEP ENGINEER OF RECORD

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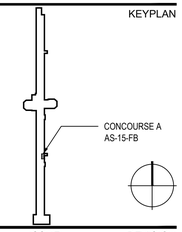
KEYPLAN



DATE	ISSUE	REVISION
2025.07.10	30% CLIENT REVIEW	
2025.08.15	30% AIRPORT REVIEW	
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.03.24	100% AIRPORT REVIEW	

NOT FOR CONSTRUCTION

This drawing must not be scaled. The General Contractor shall verify all dimensions on site prior to commencement of work. All errors omissions to be reported immediately to the Designer. Variations & modifications to work shown on these drawings shall not be carried out without written permission from the Designer. This drawing is the exclusive property of the Designer and can be reproduced only with the permission of the Designer in which case the reproduction must bear their name.

ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
RESPONSIBILITY MATRIX

SHEET NUMBER

A 0.0

PROJECT NUMBER 1808

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SECTION 00 3000 - ADMINISTRATIVE REQUIREMENTS
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Preconstruction meeting.
B. Construction progress schedule.
C. Progress photographs.
D. Submittals for review, information, and project closeout.
E. Number of copies of submittals.
F. Submittal procedures.
1.02 PROJECT COORDINATION
A. Project Coordinator: Construction Manager.
B. Cooperate with the Project Coordinator in allocation of mobilization areas of site; for access, traffic, and parking facilities.
C. During construction, coordinate use of site and facilities through the Project Coordinator and airport.
D. Comply with Project Coordinator's procedures for intra-project communications; submittals, reports and records, schedules, coordination drawings, and recommendations; and resolution of ambiguities and conflicts.
E. Comply with instructions of the Project Coordinator for use of temporary utilities and construction facilities.
F. Coordinate field engineering and layout work under instructions of the Project Coordinator.
G. Make the following types of submittals to NCA Partners-Architecture through the Project Coordinator:
1. Requests for interpretation.
2. Requests for substitution.
3. Shop drawings, product data, and samples.
4. Test and inspection reports.
5. Manufacturer's instructions and field reports.
6. Coordination drawings.
PART 2 PRODUCTS-NOT USED
PART 3 EXECUTIONS
3.01 PRE-CONSTRUCTION MEETING
A. Attendance Required:
1. Owner.
2. Contractor
3. Airport representative
B. Agenda:
1. Execution of Owner-Contractor Agreement.
2. Submission of executed bonds and insurance certificates.
3. Distribution of Contract Documents.
4. Submission of list of Subcontractors, list of Products, schedule of values, and progress schedule.
5. Designation of personnel representing the parties to Contract.
6. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Orders, and Contract closeout procedures.
7. Scheduling.
C. Record minutes and distribute copies within 10 days after meeting to participants, with two copies to NCA Partners-Architecture, Owner, participants, and those affected by decisions made.
3.02 PROGRESS MEETINGS
A. Schedule and administer meetings throughout progress of the Work.
B. Make arrangements for meetings, prepare agenda with copies for participants, preside at meetings.
C. Attendance Required: Job superintendent, major Subcontractors Owner, and those appropriate to agenda topics for each meeting.
D. Agenda:
1. Review minutes of previous meetings.
2. Review of Work progress.
3. Field observations, problems, and decisions.
4. Identification of problems that impede, or will impede, planned progress.
5. Review of submittals schedule and status of submittals.
6. Maintenance of progress schedule.
7. Corrective measures to regain projected schedules.
8. Planned progress during succeeding work period.
9. Maintenance of quality and work standards.
10. Effect of proposed changes on progress schedule and coordination.
11. Other business relating to Work.
E. Record minutes and distribute copies within two days after meeting to participants, with two copies to NCA Partners-Architecture, Owner, participants, and those affected by decisions made.
3.03 CONSTRUCTION PROGRESS SCHEDULE
A. If preliminary schedule requires revision after review, submit revised schedule within 10 days.
B. Within 20 days after review of preliminary schedule, submit draft of proposed complete schedule for review.
1. Include written certification that major contractors have reviewed and accepted proposed schedule.
C. Within 10 days after joint review, submit complete schedule.
D. Submit updated schedule with each Application for Payment.
3.04 PROGRESS PHOTOGRAPHS
A. Submit photographs with each application for payment, taken not more than two days prior to submission of application for payment.
B. Photography Type: Digital; electronic files.
C. Provide photographs of site and construction throughout progress of Work produced by an experienced photographer, acceptable to NCA Partners-Architecture.
D. In addition to periodic, recurring views, take photographs of each of the following events:
E. Views:
1. Provide photographs from four cardinal views at each specified time, until Date of Substantial Completion.
2. Provide correct exposure and focus, high resolution and sharpness, maximum depth of field, and minimum distortion.
F. Digital Photographs: 24 bit color, minimum resolution of 1024 by 768, in JPG format; provide files unaltered by photo editing software.
1. Delivery Medium: Via email.
2. File Naming: Include project identification, date and time of view, and view identification.
3. PDF File: Assemble all photos into printable pages in PDF format, with 2 to 3 photos per page, each photo labeled with file name; one PDF file per submittal.
4. Hard Copy: Printed hardcopy (grayscale) of PDF file and point of view sketch.
3.05 SUBMITTALS FOR REVIEW
A. When the following are specified in individual sections, submit them for review:
1. Product data.
2. Shop drawings.
3. Samples for selection.
4. Samples for verification.
B. Submit to NCA Partners-Architecture for review for the limited purpose of checking for conformance with information given and the design concept expressed in the contract documents.
C. Samples will be reviewed only for aesthetic, color, or finish selection.
D. After review, provide copies and distribute in accordance with SUBMITTAL PROCEDURES article below and for record documents purposes described in Section 01 78 00 - CLOSEOUT SUBMITTALS.
3.06 SUBMITTALS FOR INFORMATION
A. When the following are specified in individual sections, submit them for information:
1. Design data.
2. Certificates.
3. Test reports.
4. Inspection reports.
5. Manufacturer's instructions.
6. Manufacturer's field reports.
7. Other types indicated.
B. Submit for NCA Partners-Architecture's knowledge as contract administrator or for Owner. No action will be taken.
3.07 SUBMITTALS FOR PROJECT CLOSEOUT
A. When the following are specified in individual sections, submit them at project closeout:
1. Project record documents.
2. Operation and maintenance data.
3. Warranties.
4. Bonds.
5. Other types as indicated.
B. Submit for Owner's benefit during and after project completion.
3.08 NUMBER OF COPIES OF SUBMITTALS
A. Documents for Review:
1. Small Size Sheets, Not Larger Than 8-1/2 x 11 inches: Submit the number of copies that Contractor requires, plus one copy that will be retained by NCA Partners-Architecture.
2. Larger Sheets, Not Larger Than 30x42 inches: Submit same as above..
B. Documents for Information: Submit two copies.
C. Samples: Submit the number specified in individual specification sections; one of which will be retained by NCA Partners-Architecture.
1. After review, produce duplicates.
2. Retained samples will not be returned to Contractor unless specifically so stated.
3.09 SUBMITTAL PROCEDURES
A. Transmit each submittal with approved form.
B. Sequentially number the transmittal form. Revise submittals with original number and a sequential alphabetic suffix.
C. Identify Project, Contractor, Subcontractor or supplier; pertinent drawing and detail number, and specification section number, as appropriate on each copy.
D. Apply Contractor's stamp, signed or initialed certifying that review, approval, verification of Products required, field dimensions, adjacent construction Work, and coordination of information is in accordance with the requirements of the Work and Contract Documents.
E. Schedule submittals to expedite the Project, and coordinate submission of related items.
F. For each submittal for review, allow 15 days excluding delivery time to and from the Contractor.
G. Identify variations from Contract Documents and Product or system limitations that may be detrimental to successful performance of the completed Work.
H. Provide space for Contractor and NCA Partners-Architecture review stamps.
I. When revised for resubmission, identify all changes made since previous submission.
J. Distribute reviewed submittals as appropriate. Instruct parties to promptly report any inability to comply with requirements.
K. Submittals not requested will not be recognized or processed.

END OF SECTION

SECTION 01 4000 - QUALITY REQUIREMENTS
PART 1 GENERAL
1.01 SECTION INCLUDES
A. References and standards.
B. Mock-ups.
C. Control of installation.
D. Tolerances.
E. Testing and inspection services.
1.02 SUBMITTALS
A. Testing Agency Qualifications:
1. Prior to start of Work, submit agency name, address, and telephone number, and names of full time registered Engineer and responsible officer.
B. Test Reports: After each test/inspection, promptly submit two copies of report to NCA Partners-Architecture and to Contractor.
1. Include:
a. Date issued.
b. Project title and number.
c. Name of inspector.
d. Date and time of sampling or inspection.
e. Identification of product and specifications section.
f. Location in the Project.
g. Type of test/inspection.
h. Date of test/inspection.
i. Results of test/inspection.
j. Conformance with Contract Documents.
k. When requested by NCA Partners-Architecture, provide interpretation of results.
C. Certificates: When specified in individual specification sections, submit certification by the manufacturer and Contractor or installation/application subcontractor to NCA Partners-Architecture, in quantities specified for Product Data.
1. Indicate material or product conforms to or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.
D. Finish Samples: All finishes included in the FF&E manual shall be submitted for review and approval of prior to installation.
1.03 TESTING AND INSPECTION AGENCIES
A. Contractor shall employ and pay for services of an independent testing agency to perform other specified testing.
B. Employment of agency in no way relieves Contractor of obligation to perform Work in accordance with requirements of Contract Documents.
C. Contractor Employed Agency:
PART 2 PRODUCTS-NOT USED
PART 3 EXECUTIONS
3.01 CONTROL OF INSTALLATION
A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce Work of specified quality.
B. Comply with manufacturers' instructions, including each step in sequence.
C. Should manufacturers' instructions conflict with Contract Documents, request clarification from NCA Partners-Architecture before proceeding.
D. Comply with specified standards as minimum quality for the Work except where more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
E. Have Work performed by persons qualified to produce required and specified quality.
F. Verify that field measurements are as indicated on shop drawings or as instructed by the manufacturer.
G. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion, and disfigurement.

SECTION 01 4000 - QUALITY REQUIREMENTS CONT.'D.

3.02 MOCK-UPS
A. Tests will be performed under provisions identified in this section and identified in the respective product specification sections.
B. Assemble and erect specified items with specified attachment and anchorage devices, flashings, seals, and finishes.
C. Accepted mock-ups shall be a comparison standard for the remaining Work.
D. Where mock-up has been accepted by NCA Partners-Architecture and is specified in product specification sections to be removed, remove mock-up and clear area when directed to do so.
3.03 TOLERANCES
A. Monitor fabrication and installation tolerance control of products to produce acceptable Work. Do not permit tolerances to accumulate.
B. Comply with manufacturers' tolerances. Should manufacturers' tolerances conflict with Contract Documents, request clarification from NCA Partners-Architecture before proceeding.
C. Adjust products to appropriate dimensions; position before securing products in place.
3.04 TESTING AND INSPECTION
A. See individual specification sections for testing required.
B. Testing Agency Duties:
1. Provide qualified personnel at site. Cooperate with NCA Partners-Architecture and Contractor in performance of services.
2. Perform specified sampling and testing of products in accordance with specified standards.
3. Ascertain compliance of materials and mixes with requirements of Contract Documents.
4. Promptly notify NCA Partners-Architecture and Contractor of observed irregularities or non-conformance of Work or products.
5. Perform additional tests and inspections required by NCA Partners-Architecture.
6. Submit reports of all tests/inspections specified.
C. Limits on Testing/Inspection Agency Authority:
1. Agency may not release, revoke, alter, or enlarge on requirements of Contract Documents.
2. Agency may not approve or accept any portion of the Work.
3. Agency may not assume any duties of Contractor.
4. Agency has no authority to stop the Work.
D. Contractor Responsibilities:
1. Deliver to agency at designated location, adequate samples of materials proposed to be used that require testing, along with proposed mix designs.

END OF SECTION

SECTION 01 7800 - CLOSEOUT SUBMITTALS
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Project Record Documents.
B. Operation and Maintenance Data.
C. Warranties and bonds.
1.02 RELATED REQUIREMENTS
A. Section 01300 - Administrative Requirements: Submittals procedures, shop drawings, product data, and samples.
B. Individual Product Sections: Specific requirements for operation and maintenance data.
C. Individual Product Sections: Warranties required for specific products or Work.
1.03 SUBMITTALS
A. Project Record Documents: Submit documents to NCA Partners-Architecture with claim for final Application for Payment.
B. Project Record Documents: Submit documents to Airport Authority for record.
C. Operation and Maintenance Data:
1. Submit two copies of preliminary draft or proposed formats and outlines of contents before start of Work. NCA Partners-Architecture will review draft and return one copy with comments.
2. For equipment, or component parts of equipment put into service during construction and operated by Owner, submit completed documents within ten days after acceptance.
3. Submit one copy of completed documents 15 days prior to final inspection. This copy will be reviewed and returned after final inspection, with NCA Partners-Architecture comments. Revise content of all document sets as required prior to final submission.
4. Submit two sets of revised final documents in final form within 10 days after final inspection.
C. Warranties and Bonds:
1. For equipment or component parts of equipment put into service during construction with Owner's permission, submit documents within 10 days after acceptance.
2. Make other submittals within 10 days after Date of Substantial Completion, prior to final Application for Payment.
3. For items of Work for which acceptance is delayed beyond Date of Substantial Completion, submit within 10 days after acceptance, listing the date of acceptance as the beginning of the warranty period.
PART 2 PRODUCTS-NOT USED
PART 3 EXECUTIONS
3.01 PROJECT RECORD DOCUMENTS
A. Maintain on site one set of the following record documents; record actual revisions to the Work:
1. Drawings.
2. Addenda.
3. Change Orders and other modifications to the Contract.
4. Reviewed shop drawings, product data, and samples.
B. Ensure entries are complete and accurate, enabling future reference by Owner.
C. Store record documents separate from documents used for construction.
D. Record information concurrent with construction progress.
E. Record Drawings and Shop Drawings: Legibly mark each item to record actual construction including:
1. Field changes of dimension and detail.
2. Details not on original Contract drawings.
F. A CD/DVD of progress image files in PDF format
G. PDF of Finalized SAM checklist if required.
H. Preventative maintenance schedule
I. GC's statement of improvement costs including final lien waivers.
3.02 OPERATION AND MAINTENANCE DATA
A. For Each Product or System: List names, addresses and telephone numbers of Subcontractors and suppliers, including local source of supplies and replacement parts.
B. Product Data: Mark each sheet to clearly identify specific products and component parts, and data applicable to installation. Delete inapplicable information.
C. Drawings: Supplement product data to illustrate relations of component parts of equipment and systems, to show control and flow diagrams. Do not use Project Record Documents as maintenance drawings.
D. Typed Text: As required to supplement product data. Provide logical sequence of instructions for each procedure, incorporating manufacturer's instructions.
3.03 OPERATION AND MAINTENANCE DATA FOR EQUIPMENT AND SYSTEMS
A. For Each Item of Equipment and Each System:
1. Description of unit or system, and component parts.
2. Identify function, normal operating characteristics, and limiting conditions.
3. Include performance curves, with engineering data and tests.
4. Complete nomenclature and model number of replaceable parts.
B. Operating Procedures: Include start-up, break-in, and routine normal operating instructions and sequences. Include regulation, control, stopping, shut-down, and emergency instructions. Include summer, winter, and any special operating instructions.
C. Maintenance Requirements: Include routine procedures and guide for preventative maintenance and trouble-shooting; disassembly, repair, and reassembly instructions; and alignment, adjusting, balancing, and checking instructions.
D. Provide servicing and lubrication schedule, and list of lubricants required.
E. Include manufacturer's printed operation and maintenance instructions.
F. Include sequence of operation by controls manufacturer.
G. Provide original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.
H. Additional Requirements: As specified in individual product specification sections.
3.04 OPERATION AND MAINTENANCE MANUALS
A. Prepare instructions and data by personnel experienced in maintenance and operation of described products.
B. Prepare data in the form of an instructional manual.
C. Binders: Commercial quality, 8-1/2 by 11 inch three D side ring binders with durable plastic covers; 2 inch maximum ring size. When multiple binders are used, correlate data into related consistent groupings.
D. Contents: Prepare a Table of Contents for each volume, with each product or system description identified, in three parts as follows:
1. Part 1: Directory, listing names, addresses, and telephone numbers of NCA Partners-Architecture, Contractor, Subcontractors, and major equipment suppliers.
2. Part 2: Operation and maintenance instructions, arranged by system and subdivided by specification section. For each category, identify names, addresses, and telephone numbers of Subcontractors and suppliers. Identify the following:
a. Significant design criteria.
b. List of equipment.
c. Parts list for each component.
d. Operating instructions.
e. Maintenance instructions for equipment and systems.
3. Part 3: Project documents and certificates, including the following:
a. Shop drawings and product data.
3.05 WARRANTIES AND BONDS
A. Obtain warranties and bonds, executed in duplicate by responsible Subcontractors, suppliers, and manufacturers, within 10 days after completion of the applicable item of work. Except for items put into use with Owner's permission, leave date of beginning of time of warranty until the Date of Substantial completion is determined.
B. Verify that documents are in proper form, contain full information, and are notarized.
C. Co-execute submittals when required.
D. Retain warranties and bonds until time specified for submittal.

END OF SECTION

SECTION 02 2250 - DEMOLITION
PART 1 GENERAL
1.01 SECTION INCLUDES
A. General Procedures for Demolition
B. Selective demolition of building elements for alteration purposes.
PART 3 EXECUTION
2.01 SCOPE
A. Remove other items indicated, for salvage, relocation, and recycling.
B. Fill holes in slabs generated as result of removals, using specified materials.
2.02 GENERAL PROCEDURES AND PROJECT CONDITIONS
A. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
1. Obtain required permits.
2. Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of unstable structures.
3. Provide, erect, and maintain temporary barriers and security devices.
4. Conduct operations to minimize effects on and interference with adjacent structures and occupants.
5. Do not close or obstruct walkways.
6. Conduct operations to minimize obstruction of public and private entrances and exits; do not obstruct required exits at any time; protect persons using entrances and exits from removal operations.
7. Obtain written permission from owners of adjacent properties when demolition equipment will traverse, infringe upon or limit access to their space.
B. Do not begin removal until receipt of notification to proceed from Owner.
C. Protect existing structures and other elements that are not to be removed.
1. Provide bracing and shoring.
2. Prevent movement or settlement of adjacent structures.
3. Stop work immediately if adjacent structures appear to be in danger.
D. Minimize production of dust due to demolition operations.
E. If hazardous materials are discovered during removal operations, stop work and notify NCA Partners-Architecture and Owner; hazardous materials include regulated asbestos containing materials, lead, PCB's, and mercury.
2.03 EXISTING UTILITIES
A. Coordinate work with utility companies; notify before starting work and comply with their requirements; obtain required permits.
B. Protect existing utilities to remain from damage.
C. Do not disrupt public utilities without permit from authority having jurisdiction.
D. Do not close, shut off, or disrupt existing life safety systems that are in use without at least 7 days prior written notification to Owner.
E. Do not close, shut off, or disrupt existing utility branches or take-offs that are in use without at least 3 days prior written notification to Owner.
F. Locate and mark utilities to remain; mark using highly visible tags or flags, with identification of utility type; protect from damage due to subsequent construction, using substantial barricades if necessary.
G. Remove exposed piping, valves, meters, equipment, supports, and foundations of disconnected and abandoned utilities.
H. Prepare building demolition areas by disconnecting and capping utilities outside the demolition zone; identify and mark utilities to be subsequently reconnected, in same manner as other utilities to remain.

SECTION 02 2250 - DEMOLITION CONT.'D.

2.04 SELECTIVE DEMOLITION FOR ALTERATIONS
A. Drawings showing existing construction and utilities are based on casual field observation and existing record documents only.
1. Verify that construction and utility arrangements are as shown.
2. Report discrepancies to NCA Partners-Architecture before disturbing existing installation.
3. Beginning of demolition work constitutes acceptance of existing conditions that would be apparent upon examination prior to starting demolition.
B. Remove existing work as indicated and as required to accomplish new work.
1. Remove rotted wood, corroded metals, and deteriorated masonry and concrete; replace with new construction specified.
2. Remove items indicated on drawings.
C. Services (Including but not limited to HVAC, Plumbing, Fire Protection, Electrical and Telecommunications) Remove existing systems and equipment as indicated.
1. Maintain existing active systems that are to remain in operation; maintain access to equipment and operational components.
2. Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new systems are complete and ready for service.
3. Verify that abandoned services serve only abandoned facilities before removal.
4. Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings; remove back to source of supply where possible, otherwise cap stub and tag with identification.
D. Protect existing work to remain.
1. Prevent movement of structure; provide shoring and bracing if necessary.
2. Perform cutting to accomplish removals neatly and as specified for cutting new work.
3. Repair adjacent construction and finishes damaged during removal work.
4. Patch as specified for patching new work.
2.05 DEBRIS AND WASTE REMOVAL
A. Remove debris, junk, and trash from site.
B. Leave site in clean condition, ready for subsequent work.
C. Clean up spillage and debris from public and private areas.

END OF SECTION

SECTION 05 4000 - COLD FORMED METAL FRAMING
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Load-bearing wall framing.
B. Soffit framing.
1.02 RELATED REQUIREMENTS
A. "Gypsum Board Shaft Wall Assemblies" for interior non-load-bearing, metal-stud-framed, shaft-wall assemblies.
B. "Non-Structural Metal Framing" for interior non-load-bearing, metal-stud framing and ceiling-suspension assemblies.
1.03 REFERENCE STANDARDS
A. AISI S100 "North American Specification for the Design of Cold-Formed Steel Structural Members"
B. AISI S200 "North American Standard for Cold-Formed Steel Framing - General Provisions".
C. AISI S201 "North American Standard for Cold-Formed Steel Framing - Product Standard".
D. AISI S211 "North American Standard for Cold-Formed Steel Framing - Wall Stud Design".
E. AISI S212 "North American Standard for Cold-Formed Steel Framing - Header Design".
F. AISI S213 "North American Standard for Cold-Formed Steel Framing - Lateral Design".
G. AISI "Code of Standard Practice for Cold-Formed Steel Structural Framing".
H. Wall Studs: AISI S211.
I. Headers: AISI S212.
J. Lateral Design: AISI S213.
1.04 ADMINISTRATIVE REQUIREMENTS
A. Coordinate with work of other sections that is to be installed in or adjacent to the metal framing system, including but not limited to structural anchors, cladding anchors, utilities, insulation, and firestopping.
1.05 SUBMITTALS
A. See Section 01300 - Administrative Requirements, for submittal procedures.
B. Product Data: Provide manufacturer's data on factory-made framing connectors, showing compliance with requirements.
C. Manufacturer's Installation Instructions: Indicate special procedures, conditions requiring special attention, and shop drawings.
D. Shop drawings: By cold form metal framing supplier.
1. Include layout, spacings, sizes, thicknesses, and types of cold-formed steel framing; fabrication; and fastening and anchorage details, including mechanical fasteners.
2. Indicate reinforcing channels, opening framing, supplemental framing, strapping, bracing, bridging, splices, accessories, connection details, and attachment to adjoining work.
3. For cold-formed metal framing indicated to comply with design loads, include structural analysis and detailed shop drawings signed and sealed by a qualified professional engineer, who shall be licensed in the State in which the Project is located and responsible for their preparation.
1.06 QUALITY ASSURANCE
Manufacturer Qualifications: Company specializing in manufacturing the types of products specified in this section, and with minimum three years of documented experience.
B. Engineering Responsibility: Preparation of Shop Drawings, design calculations, and other structural data by a qualified professional engineer. *To include design data as provided by Airport for items that require special loading considerations.*
C. Professional Engineer Qualifications: A professional engineer who is legally qualified to practice in jurisdiction where project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for installations of cold-formed metal framing that are similar to those indicated for this project in material, design, and extent.
D. Fire-Test-Response Characteristics: Where indicated, provide cold-formed metal framing identical to that of assemblies tested for fire resistance per ASTM E 119 by, and displaying a classification label from, a testing and inspecting agency acceptable to authorities having jurisdiction.
PART 2 PRODUCTS
2.01 MANUFACTURERS
A. Metal Framing, Connectors, and Accessories:
1. ClarkDietrich Building Systems LLC: www.clarkdietrich.com.
2. The Steel Network, Inc: www.SteelNetwork.com.
3. Substitutions: See Section 01600 - Product Requirements.
2.02 FRAMING SYSTEM
A. Provide primary and secondary cold form metal framing members, bridging, bracing, plates, gussets, clips, fittings, reinforcement, and fastenings as required to provide a complete framing system.
B. Structural Performance: Provide cold-formed steel framing capable of withstanding design loads within limits and under conditions indicated.
1. Design Loads: As required per sections and building code IBC 2015.
2. Deflection Limits: Design framing systems to withstand design loads without deflections greater than the following:
a. Interior Load-Bearing Wall Framing: Horizontal deflection of 1/360 of the wall height under a horizontal load of 5 lbf/sq. ft. (239 Pa).
b. Soffit Framing: Vertical deflection of 1/360 of the span for live loads and 1/240 for total loads of the span.
3. Design framing system to maintain clearances at openings, to allow for construction tolerances, and to accommodate live load deflection of primary building structure as follows:
a. Upward and downward movement of 1 inch.
2.03 FRAMING MATERIALS
A. Studs and Track: ASTM C955; studs formed to channel, "C", or "Sigma" shape with punched web; U-shaped track in matching nominal width and compatible height.
1. Gage and depth: As required to meet specified performance levels.
2. Galvanized in accordance with ASTM A653/A653M G90/Z275 coating.
B. Joists and Purlins: Fabricated from ASTM A653/A653M steel sheet, with G90/Z275 hot dipped galvanized coating.
1. Gage and depth: As required to meet specified performance levels.
C. Framing Connectors: Factory-made formed steel sheet, ASTM A653/A653M SS Grade 50, with G60/Z180 hot dipped galvanized coating and factory punched holes.
1. Structural Performance: Maintain load and movement capacity required by applicable code, when evaluated in accordance with AISI North American Specification for the Design of Cold Formed Steel Structural Members; minimum 16 gage, 0.06 inch thickness.
Movement Connections: Provide mechanical anchorage devices that accommodate movement using slotted holes, screws and anti-friction bushings, while maintaining structural performance of framing. Provide movement connections at the following locations:
a. Where continuous studs bypass elevated floor slab, connect stud to slab in manner allowing vertical and horizontal movement of slab without affecting studs; allow for minimum movement of 1/2 inch.
b. Where top of stud wall terminates below structural floor or roof, connect studs to structure in manner allowing vertical and horizontal movement of slab without affecting studs; allow for minimum movement of 1/2 inch.
2. Provide non-movement connections for tie-down to foundation, floor-to-floor tie-down, roof-to-wall tie-down, joist hangers, gusset plates, and stiffeners.
3. Firestop Track where required - Blazeframe Deflection Track or a comparable product by one of the members of the SFIA.
C. Soffit Framing: Manufacturer's standard C-shaped steel sections, of web depths required, with stiffened flanges, and section properties as required to support loads and adhere to deflection limitations noted in Section 2.02.
2.04 WALL SHEATHING
A. Wall Sheathing Interior: Fire Rated Plywood; PS 1, Grade C-D, Exposure I or Type X Gypsum Board.
2.05 ACCESSORIES
A. Bracing, Furring, Bridging, Backer plates, End clips, Gusset Plates, Anchor clips (ASTM A 36/A 36M): Formed sheet steel, ASTM A 1003/A 1003M, Structural Grade, Type H, thickness determined for conditions encountered; finish to match framing components.
B. Touch-Up Primer for Galvanized Surfaces: SSPC-Paint 20, Type I - Inorganic, complying with VOC limitations of authorities having jurisdiction.
C. Fire caulking and fire stops - same material used in base building work.
2.06 FASTENERS
A. Self-Drilling, Self-Tapping Screws, Bolts, Nuts and Washers: Hot dip galvanized per ASTM A153/A153M.
B. Power-Actuated Anchors: Fastener system of type suitable for application indicated, fabricated from corrosion-resistant materials, with allowable load capacities calculated according to ICC-ES AC70, greater than or equal to the design load, as determined by testing per ASTM E 1190 conducted by a qualified testing agency.
C. Shims: Load bearing, high-density multimonomer plastic, and nonleaching; or of cold-formed steel of same grade and coating as framing members supported by shims.
PART 3 EXECUTION
3.01 EXAMINATION
A. Verify that substrate surfaces are ready to receive work.
3.02 INSTALLATION OF STUDS
A. Install components in accordance with manufacturers' instructions and ASTM C1007 requirements.
B. Align floor and ceiling tracks; locate to wall layout. Secure in place with fasteners at maximum 24 inches on center. Coordinate installation of sealant with floor and ceiling tracks.
C. Place studs at 24" inches minimum on center if not indicated; not more than 2 inches from abutting walls and at each side of openings. Connect studs to tracks using clip and tie method.
D. Construct corners using minimum of three studs. Install double studs at wall openings, door and window jambs.
E. Install load bearing studs full length in one piece. Splicing of studs is not permitted.
F. Install load bearing studs, brace, and reinforce to develop full strength and achieve design requirements.
G. Coordinate placement of insulation in multiple stud spaces made inaccessible after erection.
H. Attach cross studs to studs for attachment of fixtures anchored to walls.
I. Install framing between studs for attachment of mechanical and electrical items, and to prevent stud rotation.
3.03 INSTALLATION OF JOISTS AND PURLINS
A. Install cold-formed framing in accordance with ASTM C1007 and AISI S200 "North American Standard for Cold-Formed Steel Framing - General Provisions" and to manufacturer's written instructions unless more stringent requirements are indicated.
B. Make provisions for erection stresses. Provide temporary alignment and bracing.
C. Install cold-formed steel framing and accessories plumb, square, and true to line, and with connections securely fastened.
1. Fasten cold-formed steel framing members by welding, screw fastening, clinch fastening, or riveting. Wire tying of framing members is not permitted.
D. Install framing members in one-piece lengths unless splice connections are indicated for track or tension members.
E. Do not bridge building expansion joints with cold-formed steel framing. Independently frame both sides of joints
H. Install supplementary framing, blocking, and bracing in stud framing indicated to support fixtures, equipment, services, casework, heavy trim, furnishings, and similar work requiring attachment to framing.
1. If type of supplementary support is not indicated, comply with stud manufacturer's written recommendations and industry standards in each case, considering weight or load resulting from item supported.
3.04 WALL SHEATHING INSTALLATION
A. Wall Sheathing: Secure with long dimension perpendicular to wall studs, with ends over firm bearing and staggered, using self-tapping screws.

END OF SECTION

SECTION 05 5000 - METAL FABRICATIONS
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Shop fabricated steel and aluminum items.
1.02 REFERENCE STANDARDS
A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2008.
B. ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless; 2010.
C. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2009.
D. ASTM A500/A500M - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes; 2010a.
E. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2008.
F. AWS D1.1/D1.1M - Structural Welding Code - Steel; American Welding Society; 2010.
G. SSPC-Paint 15 - Steel Joist Shop Primer; Society for Protective Coatings; 1999 (Ed. 2004).
H. 2009 IBC Section 1607.7 for handrail and guardrail design.
1.03 SUBMITTALS
A. Shop Drawings: Indicate profiles, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories. Include erection drawings, elevations, and details where applicable.
B. Sealed structural drawings for review prior to fabrication on structural handrail support items.
PART 2 PRODUCTS
2.01 MATERIALS - STEEL
A. Steel Sections: ASTM A36/A36M.
B. Steel Tubing: ASTM A500, Grade B cold-formed structural tubing.
C. Pipe: ASTM A53/A53M, Grade B Schedule 40, black finish.
D. Bolts, Nuts, and Washers: ASTM A325 (ASTM A325M), Type 1, galvanized to ASTM A153/A153M where connecting galvanized components.
E. Shop and Touch-Up Primer: SSPC-Paint 15, complying with VOC limitations of authorities having jurisdiction.
2.02 MATERIALS - ALUMINUM
A. Extruded Aluminum: ASTM B221 (ASTM B221M), 6063 alloy, T6 temper.
B. Bolts, Nuts, and Washers: Stainless steel.
2.03 FABRICATION
A. Fit and shop assemble items in largest practical sections, for delivery to site.
B. Fabricate items with joints tightly fitted and secured.
C. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, flush, and hairline. Ease exposed edges to small uniform radius.
D. Supply components required for anchorage of fabrications. Fabricate anchors and related components of same material and finish as fabrication, except where specifically noted otherwise.
2.04 FABRICATED ITEMS
A. Ladders: Steel; in compliance with ANSI A14.3; with mounting brackets and attachments; prime paint finish.
1. Rungs: one inch diameter solid round bar spaced 12 inches on center.
2. Space rungs 7 inches from wall surface.
B. Bollards: Steel pipe, concrete filled, crowned cap, as detailed; prime paint finish.
C. Lintels: As detailed; prime paint finish.
D. Door Frames for Overhead Door Openings and Wall Openings: Channel sections; prime paint finish.
E. Other items as noted in the drawings.
2.05 FINISHES - STEEL
A. Prime paint all steel items.
B. Clean surfaces of rust, scale, grease, and foreign matter prior to finishing.
C. Prime Painting: Two coats.
2.06 FINISHES - ALUMINUM
A. Exterior Aluminum Surfaces: Class I color anodized.
B. Interior Aluminum Surfaces: Class I color anodized.
C. Class I Color Anodized Finish: AAMA 611 AA-M12C22A42 Integrally colored anodic coating not less than 0.7 mils thick; as indicated on drawings.
2.07 FABRICATION TOLERANCES
A. Squareness: 1/8 inch maximum difference in diagonal measurements.
B. Maximum Offset Between Faces: 1/16 inch.
C. Maximum Misalignment of Adjacent Members: 1/16 inch.
D. Maximum Bow: 1/8 inch in 48 inches.
E. Maximum Deviation From Plane: 1/16 inch in 48 inches.
PART 3 EXECUTION
3.01 EXAMINATION
A. Verify that field conditions are acceptable and are ready to receive work.
3.02 INSTALLATION
A. Install items plumb and level, accurately fitted, free from distortion or defects.
B. Provide for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.
C. Perform field welding in accordance with AWS D1.1/D1.1M.
D. Obtain approval prior to site cutting or making adjustments not scheduled.
3.03 TOLERANCES
A. Maximum Variation From Plumb: 1/4 inch per story, non-cumulative.
B. Maximum Offset From True Alignment: 1/4 inch.
C. Maximum Out-of-Position: 1/4 inch.

END OF SECTION

SECTION 05 5200 - HANDRAILS AND RAILINGS
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Wall mounted handrails.
B. Stair railings and guardrails.
C. Free-standing railings at steps.
1.02 REFERENCE STANDARDS
A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; American Architectural Manufacturers Association; 1998.
B. ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless; 2010.
C. ASTM A500/A500M - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes; 2010a.
D. ASTM E985 - Standard Specification for Permanent Metal Railing Systems and Rails for Buildings; 2000 (Reapproved 2006).
E. ASTM A 554 - Standard Specification for Welded Stainless Steel Mechanical Tubing.
1.03 SUBMITTALS
A. Shop Drawings: Indicate profiles, sizes, connection attachments, anchorage, size and type of fasteners, and accessories based on drawings.
PART 2 PRODUCTS
2.01 RAILINGS - GENERAL REQUIREMENTS
A. Design, fabricate, and test railing assemblies in accordance with the most stringent requirements of ASTM E985 and applicable local code.
B. Allow for expansion and contraction of members and building movement without damage to connections or members.
C. Dimensions: See drawings for configurations and heights.
D. Provide anchors and other components as required to attach to structure, made of same materials as railing components unless otherwise indicated; where exposed fasteners are unavoidable provide flush countersunk fasteners.
1. For anchorage to concrete, provide inserts to be cast into concrete, for welding anchors.
2. For anchorage to stud walls, provide backing plates, for welding anchors.
E. Provide mechanical and welding fittings where indicated to join lengths, seal open ends, and conceal exposed mounting bolts and nuts, including but not limited to elbows, T-shapes, splice connectors, flanges, escutcheons, and wall brackets.
2.02 ALUMINUM MATERIALS
A. Non-Weld Mechanical Fittings: Slip-on cast aluminum, for Schedule 40 pipe, with flush setscrews for tightening by standard hex wrench, no bolts or screw fasteners.
B. Welding Fittings: No exposed fasteners; cast aluminum
C. Exposed Fasteners: No exposed bolts or screws.
2.03 STEEL RAILING SYSTEM
A. Steel Tube: ASTM A 500, Grade B cold-formed structural tubing.
B. Steel Pipe: ASTM A 53/A 53M, Grade B Schedule 40, black finish.
C. Non-Weld Mechanical Fittings: Slip-on, galvanized malleable iron castings, for Schedule 40 pipe, with flush setscrews for tightening by standard hex wrench, no bolts or screw fasteners.
D. Welding Fittings: Factory- or shop-welded from matching pipe or tube; seams continuously welded; joints and seams ground smooth.
E. Exposed Fasteners: No exposed bolts or screws.
2.04 FABRICATION
A. Accurately form components to suit specific project conditions and for proper connection to building structure.
B. Fit and shop assemble components in largest practical sizes for delivery to site.
C. Fabricate components with joints tightly fitted and secured. Provide spigots and sleeves to accommodate site assembly and installation.
D. Welded Joints:
1. Exterior Components: Continuously seal joined pieces by intermittent welds and plastic filler. Drill condensate drainage holes at bottom of members at locations that will not encourage water intrusion.
2. Interior Components: Continuously seal joined pieces by intermittent welds and plastic filler.
3. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, flush, and hairline. Ease exposed edges to small uniform radius.
2.05 ALUMINUM FINISHES
A. Class I Natural Anodized Finish: AAMA 611 AA-M12C22A41 Clear anodic coating not less than 0.7 mils thick.
B. Color: As shown on drawings.
2.06 STAINLESS STEEL FINISHES
A. ASTM A 554, Type A316 stainless steel, minimum Fy=40 ksi.
B. Hardware: Stainless steel construction; separate dissimilar materials with bushings, grommets or washers to prevent electrolytic corrosion.
PART 3 EXECUTION
3.01 PREPARATION
A. Clean and strip primed steel items to bare metal where site welding is required.
B. Supply items required to be cast into concrete or embedded in masonry with setting templates, for installation as work of other sections.
3.02 INSTALLATION
A. Install in accordance with manufacturer's instructions.
B. Install components plumb and level, accurately fitted, free from distortion or defects, with tight joints.
C. Anchor railings securely to structure.
D. Field weld anchors as indicated on drawings. Touch-up welds with primer. Grind welds smooth.
3.03 TOLERANCES
A. Maximum Variation From Plumb: 1/4 inch per floor level, non-cumulative.
B. Maximum Offset From True Alignment: 1/4 inch.
C. Maximum Out-of-Position: 1/4 inch.

END OF SECTION

SECTION 05 7300 - ORNAMENTAL FORMED METAL
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Interior fabrications made of formed metal sheet, secondary supports, and anchors to structure, including:
1.02 REFERENCE STANDARDS
A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; 1998.
B. AAMA 612 - Voluntary Specification, Performance Requirements and Test Procedures for Acombined Coatings of Anodic Oxide and Transparent Organic Coatings on Architectural Aluminum; 2002.
C. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2008.
D. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2009.
E. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2009.
F. ASTM A276 - Standard Specification for Stainless Steel Bars and Shapes; 2010.
1.03 SUBMITTALS
A. Shop Drawings: Show layout and elevations, dimensions and thickness of panels, connections, details and location of joints, sealants and gaskets, method of anchorage, number of anchors, supports, reinforcement, trim, flashings, and accessories.
1. Differentiate between shop and field fabrication.
2. Indicate substrates and adjacent work with which the fabrications must be coordinated.
3. Include large-scale details of anchorages and connecting elements.
4. Include large-scale details or schematic, exploded or isometric diagrams to fully explain flashing at a scale of not less than 1-1/2 inches per 12 inches.
B. Manufacturer's data sheets on each product to be used, including thickness, physical characteristics, and finish.
PART 2 PRODUCTS
2.01 FORMED METAL FABRICATIONS - GENERAL
A. Shop Assembly: Preassemble items to greatest extent possible. Minimize field splices and field assembly. Disassemble only as necessary for transportation and handling. Mark items clearly for assembly and installation.
B. Coordination: Match dimensions and attachment of formed metal items to adjacent construction. Produce integrated assemblies. Closely fit joints; align edges and flat surfaces unless indicated otherwise.
C. Forming: Profiles indicated. Maximize lengths. Fold exposed edges to form hem indicated or ease edges to radius indicated with concealed stiffener. Provide flat, flush surfaces without cracking or grain separation at bends.
D. Reinforcement: Increase metal thickness; use concealed stiffeners, backing materials or both. Provide stretcher leveled standard of flatness and stiffness required to maintain flatness and hold adjacent items in flush alignment.
Anchors: Straps, plates and anchors as required to support and anchor items to adjacent construction.
F. Supports: Miscellaneous framing, mounting, clips, sleeves, fasteners and accessories required for installation.
G. Welding and Brazing: Weld or braze joints continuously. Grind, fill or dress to produce smooth, flush, exposed surfaces. Do not discolor metal.
H. Performance Requirements:
1. Thermal Movements:
a. Allow for thermal movements in exterior metal fabrications due to temperature changes. Prevent buckling, opening of joints, overstressing of components, failure of connections, and other detrimental effects.
b. Temperature Change Range: 120 degrees F, ambient; 180 degrees F, on material surfaces.
2. Corrosion: Prevent galvanic action and other forms of corrosion by isolating metals and other materials from direct contact with incompatible materials.
2.02 MATERIALS
A. General: Provide sheet metal without pitting, seam marks, roller marks, stains, discolorations, or other imperfections exposed to view on finished units.
B. Metal Composite Material (MCM) Sheet: Two sheets of aluminum sandwiching a solid core of extruded thermoplastic material formed in a continuous process with no glues or adhesives between dissimilar materials; core material free of voids and spaces; no foamed insulation material content.
1. Overall Sheet Thickness: 4 mm.
2. Face Sheet Thickness: 0.19 inches, minimum.
3. Alloy: Manufacturer's standard, selected for best appearance and finish durability.
4. Bond and Peel Strength: No adhesive failure of the bond between the core and the skin nor cohesive failure of the core itself below 22.4 inch-pound/inch with no degradation in bond performance, when tested in accordance with ASTM D1781, simulating resistance to panel delamination, after 8 hours of submersion in boiling water and after 21 days of immersion in water at 70 degrees F.
5. Surface Burning Characteristics: Flame spread index of 25, maximum; smoke developed index of 450, maximum; when tested in accordance with ASTM E84.
6. Flammability: Self-ignition temperature of 650 degrees F or greater, when tested in accordance with ASTM D1929.
C. Metal Framing Members - MCM Panels: Include all sub-girts, zee-clips, base and sill angles and channels, hat-shaped and rigid channels, and furring channels required for complete installation.
1. Provide material strength, dimensions, configuration as required to meet the applied loads applied and in compliance with applicable building code.
2. Sheet Steel Components: ASTM A653/A653M galvanized to G90/Z275 or zinc-iron alloy-coated to A60; or ASTM A792/A792M aluminum-zinc coated to AZ60.
3. Stainless Steel Sheet Components: ASTM A480/A480M.
D. Anchors, Clips and Accessories: Use one of the following:
1. Stainless steel complying with ASTM A 480/A 480M, ASTM A 276, or ASTM A 666.
2. Steel complying with ASTM A36/A36M and hot-dipped galvanized to ASTM A153/A153M.
3. Steel complying with ASTM A36/A36M and hot-dipped galvanized to ASTM A123/A123M Coating Grade 10.
4. Interior Locations: Carbon steel; zinc coated in accordance with ASTM B 633 or ASTM F 1941/F 1941M, Class Fe/Zn 5.
5. Exterior Locations or in Contact with Stainless Steel:
a. Bolts: Stainless steel; ASTM F593, Group 1 (A1).
b. Nuts: Stainless steel; ASTM F594.
6. Structural Anchors: Provide anchors where work is indicated to comply with design loads.
a. Type: Provide chemical or torque-controlled expansion anchors.
b. Capacity: When tested according to ASTM E488; six times the load imposed when installed in unit masonry and four times the load imposed when installed in concrete.
7. Nonstructural Anchors: Provide powder-actuated fastenersof where work is not indicated to comply with design loads. Provide size and number required for load, installation and as recommended by manufacturer, unless indicated otherwise
E. Fasteners, General: Same basic metal and alloy as formed metal sheet unless indicated otherwise. Do not use metals incompatible with the materials joined.
F. Fasteners for MCM Panels:
1. Exposed fasteners: Stainless steel; permitted only where absolutely unavoidable and subject to prior approval of the NCA Partners-Architecture.
2. Screws: Self-drilling or self-tapping Type 410 stainless steel or zinc-alloy steel hex washer head, with EPDM or PVC washer under heads of fasteners bearing on weather side of metal wall panels.
3. Bolts: Stainless steel.
G. Joint Sealer, Exterior: ASTM C920; elastomeric silicone sealant; of type, grade, class, and use classifications required to seal joints in decorative formed metal and remain weathertight; and as recommended in writing by decorative formed metal manufacturer.
H. Joint Sealer, Interior: Nonsag, paintable, nonstaining, latex sealant complying with ASTM C834; of type and grade required to seal joints in decorative formed metal; as recommended in writing by decorative formed metal manufacturer and with a VOC content of not more than 250 g/L when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
2.03 PAINTS AND COATINGS
A. Universal Shop Primer for Ferrous Metal: Fast curing, lead and chromate free, universal modified alkyd primer; containing pigments easily distinguishable from color of zinc-rich primer.
B. Shop Primer for Galvanized Steel: Cementitious galvanized metal primer.
2.04 FINISHES
A. Finishes, General: Comply with NAAMM 500-06.
1. Complete mechanical finishes before fabrication. After fabrication, finish joints, bends, abrasions and surface blemishes to match sheet.
2. Protect mechanical finishes on exposed surfaces from damage.
3. Apply organic and anodic finishes to formed metal after fabrication unless otherwise indicated.
4. Appearance: Limit variations in appearance of adjacent to one-half the range represented in approved samples. Noticeable variations in the same piece are not acceptable. Install components within the range of approved samples to minimize contrast.
B. Aluminum Finishes:
1. Class I Natural Anodized Finish: AAMA 611 AA-M12C22A41 Clear anodic coating or AAMA 612 clear anodic coating with electrolytically deposited organic seal; not less than 0.7 mils thick.
C. Galvanized Steel Finishes:
1. Repair Galvanized Surfaces: Clean welds and abraded areas and repair galvanizing to comply with ASTM A780.
2. Factory Prime: Apply shop primer to prepared surfaces of items where field painting after installation indicated, unless indicated otherwise. Comply with requirements in SSPC-PA 1, "Paint Application Specification No. 1: Shop, Field, and Maintenance Painting of Steel".
D. Steel Finishes:
1. Surface Preparation: Comply with SSPC-SP 1; remove dirt, oil, grease, or other contaminants that could impair paint bond. Remove mill scale and rust from uncoated steel; comply with SSPC-SP 5.
2. Pretreatment: Immediately after cleaning, apply a conversion coating of type suited to organic coating applied over it.
3. Factory Prime: Apply shop primer to prepared surfaces of items where field painting after installation indicated, unless indicated otherwise..
PART 3 EXECUTION
3.01 EXAMINATION
A. Verify dimensions, tolerances, and interfaces with other work.
B. Verify substrate on-site to determine that conditions are acceptable for product installation in accordance with manufacturer's written instructions.
C. If substrate preparation is the responsibility of another installer, notify NCA Partners-Architecture of unsatisfactory preparation before proceeding.
D. Notify NCA Partners-Architecture in writing of conditions detrimental to proper and timely completion of work. Do not proceed with erection until unsatisfactory conditions have been corrected.
3.02 PREPARATION
A. Protect adjacent work areas and finish surfaces from damage during installation.
B. Deliver anchorage items to be cast into concrete or built into masonry to appropriate installer(s) together with setting templates.
3.03 INSTALLATION - MCM FABRICATIONS
A. Do not install products that are defective, including warped, bowed, dented, and broken members, and members with damaged finishes.
B. Comply with instructions and recommendations of MCM sheet manufacturer and fabricator, as well as with approved shop drawings.
C. Install wall system securely allowing for necessary thermal and structural movement; comply with fabricator's instructions for installation of concealed fasteners.
D. Do not handle or tool products during erection in manner that damages finish, decreases strength, or results in visual imperfection or failure in performance. Return component parts that require alteration to shop for refabrication, if possible, or for replacement with new parts.
E. Do not form panels in field unless required by fabricator and approved by the NCA Partners-Architecture; comply with MCM sheet manufacturer's instructions and recommendations for field forming.
F. Separate dissimilar metals; use gasket fasteners, isolation shims, or isolation tape where needed to eliminate possibility of electrolytic action between metals.
G. Install square, plumb, straight, and true, accurately fitted, with tight joints and intersections maintaining the following installation tolerances:
1. Variation From Plane or Location: 1/2 inch in 30 feet of length and up to 3/4 inch in 300 feet, maximum.
2. Deviation of Vertical Member From True Line: 0.1 inch in 25 feet run, maximum.
3. Deviation of Horizontal Member From True Line: 0.1 inch in 25 feet run, maximum.
4. Offset From True Alignment Between Two Adjacent Members Abutting End To End, In Line: 0.03 inch, maximum.
H. Replace damaged products.
3.04 CLEANING
A. Shop Primer Touchup and Repair: Clean field welds, bolted connections and abraded areas of shop paint.
1. Paint exposed areas with same material used for shop painting.
2. Apply by brush or spray to provide a minimum 2.0 mil dry film thickness.
B. Restore finishes damaged during installation and construction period. Return items that cannot be refinished in the field to manufacturer or fabricator. Refinish entire unit or provide new units.
C. Remove protective film after installation of joint sealers, after cleaning of adjacent materials, and immediately prior to completion of work.
D. Remove temporary coverings and protection of adjacent work areas.
E. Clean installed products in accordance with manufacturer's instructions.
3.05 PROTECTION
A. Protect installed products from damage during construction.

END OF SECTION

SECTION 06 1000 - ROUGH CARPENTRY
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Non-structural dimension lumber framing.
B. Sheathing.
C. Miscellaneous framing and sheathing.
D. Concealed wood blocking, nailers, and supports.
PART 2 PRODUCTS
2.01 GENERAL REQUIREMENTS
A. Dimension Lumber: Comply with PS 20 and requirements of specified grading agencies.
1. Species: Spruce-Pine-Fir (South), unless otherwise indicated.
2. If no species is specified, provide any species graded by the agency specified; if no grading agency is specified, provide lumber graded by any grading agency meeting the specified requirements.
3. Grading Agency: Any grading agency whose rules are approved by the Board of Review, American Lumber Standard Committee (www.alsc.org) and who provides grading service for the species and grade specified; provide lumber stamped with grade mark unless otherwise indicated.
4. Lumber of other species or grades is acceptable provided structural and appearance characteristics are equivalent to or better than products specified.
2.02 DIMENSION LUMBER FOR CONCEALED APPLICATIONS (FIRE RATE)
A. Sizes: Nominal sizes as indicated on drawings, S4S.
B. Moisture Content: S-dry or MC19.
C. Stud Framing (2 by 2 through 2 by 6):
1. Grade: No. 2.
D. Joist, Rafter, and Small Beam Framing (2 by 6 through 4 by 16):
E. Miscellaneous Framing, Blocking, Nailers, Grounds, and Furring:
1. Lumber: S4S, No. 2 or Standard Grade - Fire Treated
2. Boards: Standard or No. 3.
2.03 CONSTRUCTION PANELS
A. Wall Sheathing: Gypsum, complying with requirements of ASTM C1396/C1396M for gypsum sheathing, V-shaped long edges, 5/8 inch Type X fire-resistant.
B. Communications and Electrical Room Mounting Boards: PS 1 A-D plywood, or medium density fiberboard; 3/4 inch thick; flame spread index of 25 or less, smoke developed index of 450 or less, when tested in accordance with ASTM E84.
2.04 ACCESSORIES
A. Fasteners and Anchors:
1. Metal and Finish: Hot-dipped galvanized steel per ASTM A 153/A 153M for high humidity and preservative-treated wood locations, unfinished steel elsewhere.
2.05 FACTORY WOOD TREATMENT
A. Treated Lumber and Plywood: Comply with requirements of AWPA U1 - Use Category System for wood treatments determined by use categories, expected service conditions, and specific applications.
1. Fire-Treated Wood: Flame spread rating of 25 or less (Class A) when tested in accordance with ASTM E 84, "Standard Test Method for Surface Burning Characteristics of Building Materials".
PART 3 EXECUTION
3.01 FRAMING INSTALLATION
A. Set structural members level, plumb, and true to line. Discard pieces with defects that would lower required strength or result in unacceptable appearance of exposed members.
B. Make provisions for temporary construction loads, and provide temporary bracing sufficient to maintain structure in true alignment and safe condition until completion of erection and installation of permanent bracing.
D. Comply with member sizes, spacing, and configurations indicated, and fastener size and spacing indicated, but not less than required by applicable codes and AFPA Wood Frame Construction Manual.
3.04 BLOCKING, NAILERS, AND SUPPORTS (FIRE RATED)
A. Provide framing and blocking members as indicated or as required to support finishes, fixtures, specialty items, and trim.
B. In framed assemblies that have concealed spaces, provide solid wood fireblocking as required by applicable local code, to close concealed draft openings between floors and between top story and roof/attic space; other material acceptable to code authorities may be used in lieu of solid wood blocking.
C. In walls, provide blocking attached to studs as backing and support for wall-mounted items, unless item can be securely fastened to two or more studs or other method of support is explicitly indicated.
D. Where ceiling-mounting is indicated, provide blocking and supplementary supports above ceiling, unless other method of support is explicitly indicated.
E. Specifically, provide the following non-structural framing and blocking:
1. Cabinets and shelf supports.
2. Wall brackets.
3. Handrails.
4. Grab bars.
5. Towel and bath accessories.
6. Wall-mounted door stops.
7. Chalkboards and marker boards.
8. Wall paneling and trim.
9. Joints of rigid wall coverings that occur between studs.
3.05 INSTALLATION OF CONSTRUCTION PANELS
A. Wall Sheathing: Secure with long dimension perpendicular to wall studs, with ends over firm bearing and staggered, using nails, screws, or staples.
B. Communications and Electrical Room Mounting Boards: Secure with screws to studs with edges over firm bearing; space fasteners at maximum 24 inches on center on all edges and into studs in field of board.
1. At fire-rated walls, install board over wall board indicated as part of the fire-rated assembly.
2. Where boards are indicated as full floor-to-ceiling height, install with long edge of board parallel to studs.
3. Install adjacent boards without gaps.
3.06 CLEANING
A. Waste Disposal:
1. Comply with applicable regulations.

END OF SECTION

THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, INTERIOR DESIGN, FOOD SERVICE, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL DRAWINGS AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

THIS DRAWING SHOULD ALSO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL MASTER SPECIFICATION, FOOD SERVICE SPECIFICATION AND ENVIRONMENTAL GRAPHICS SPECIFICATION AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

SECTION 06 2000 - FINISH CARPENTRY
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Finish carpentry items.
B. Wood casings and moldings.
1.02 REFERENCE STANDARDS
A. ANSI A135.4 - American National Standard for Basic Hardboard; 2004.
B. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2009.
C. HPVA HP-1 - American National Standard for Hardwood and Decorative Plywood; Hardwood Plywood & Veneer Association; 2004.
D. PS 1 - Structural Plywood; 2007.
1.03 SUBMITTALS
A. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
1. Provide the information required by AWI/AWMAC/WI Architectural Woodwork Standards.
1.04 QUALITY ASSURANCE
A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
1.05 DELIVERY, STORAGE, AND HANDLING
A. Protect work from moisture damage.
PART 2 PRODUCTS
2.01 FINISH CARPENTRY ITEMS
A. Quality Grade: Unless otherwise indicated provide products of quality specified by AWI/AWMAC/WI Architectural Woodwork Standards for Premium Grade.
B. Surface Burning Characteristics: Provide materials having fire and smoke properties as required by applicable code.
2.02 WOOD-BASED COMPONENTS
2.03 LUMBER MATERIALS
A. Hardwood Lumber: Graded in accordance with AWI /AWMAC QSI quality standards; species and finish as per drawings and finish schedule; of quality suitable for transparent finish.
2.04 SHEET MATERIALS
A. Hardwood Plywood: Conforming to requirements of CSA 0115; Graded in accordance with AWI /AWMAC QSI AA face veneer of species and cut as selected; MDF veneer core, type of glue recommended for application; 0 formaldehyde and 0 VOC.
B. Veneer core Plywood: Skyply manufactured by Roseburg; 0 formaldehyde and 0 VOC .
C. Medium Density Fiberboard (MDF): ANSI A208.2; composed of wood fibre, 769 kg/m3 density, water resistant adhesive; sanded faces; 0 formaldehyde and 0 VOC.
D. Hardboard: AHA A135.4; Pressed wood fiber with resin binder, Class 1 - Tempered, 1/4 inch thick, smooth one side (S1S).
E. Solid Surfaces: as indicated on drawings.
2.05 PLASTIC LAMINATE MATERIALS
A. Plastic Laminate: 0.050 inch Fire Rated; color, pattern, and surface texture as selected.
B. Laminate Backing Sheet: 0.020 inch Backing Sheet grade, undecorated plastic laminate;
C. Low Pressure Laminate: Melamine; color, pattern, and surface texture as selected
2.06 ACCESSORIES
A. Stainless steel trims: as per details on drawings.
B. Wood Filler: tinted to match surface finish color.
2.06 FABRICATION
A. Fabricate to AWI /AWMAC QSI Custom standards.
B. Shop assemble work for delivery to site, permitting passage through building openings.
C. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.
D. Provide cutouts for plumbing fixtures, fixtures and fittings. Verify locations of cutouts from on-site dimensions. Seal cut edges.
E. Refer to drawings for direction of wood grain plastic laminate and veneer.
F. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces
2.07 SHOP FINISHING
A. Sand work smooth and set exposed nails and screws.
B. Apply wood filler in exposed nail and screw indentations.
C. On items to receive transparent finishes, use wood filler that matches surrounding surfaces and is of type recommended for the applicable finish.
PART 3 EXECUTION
3.01 EXAMINATION
A. Verify adequacy of backing and support framing.
B. Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work.
3.02 INSTALLATION
A. Install work in accordance with AWI/AWMAC/WI Architectural Woodwork Standards requirements for grade indicated.
B. Set and secure materials and components in place, plumb and level.
C. Carefully scribe work abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim to conceal larger gaps.
D. Wood trim shall be installed using the longest possible lumber lengths. Adjacent boards shall be selected and positioned for matching color and grain. Butting joints shall be scarfed. Nails shall be set and holes filled to match wood color.
3.03 PREPARATION FOR SITE FINISHING
A. Set exposed fasteners. Apply wood filler in exposed fastener indentations. Sand work smooth.
B. Site Finishing: See Section 09900.
C. Before installation, prime paint surfaces of items or assemblies to be in contact with cementitious materials.
3.04 TOLERANCES
A. Maximum Variation from True Position: 1/16 inch.
B. Maximum Offset from True Alignment with Abutting Materials: 1/32 inch.

END OF SECTION

SECTION 06 4100 - CUSTOM CABINETS
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Specially fabricated cabinet units.
B. Countertops.
C. Cabinet hardware.
D. Factory finishing.
1.02 REFERENCE STANDARDS
A. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2009.
B. BHMA A156.9 - American National Standard for Cabinet Hardware; Builders Hardware Manufacturers Association; 2010 (ANSI/BHMA A156.9).
1.03 SUBMITTALS
A. See Section 01300 - Administrative Requirements, for submittal procedures.
B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
1. Provide the information required by AWI/AWMAC/WI Architectural Woodwork Standards.
C. Product Data: Provide data for hardware accessories.
D. Samples: Submit actual samples of architectural cabinet construction, minimum 4 inches square, illustrating proposed cabinet, countertop, and shelf unit substrate and finish.
1.04 QUALITY ASSURANCE
A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
PART 2 PRODUCTS
2.01 CABINETS
A. Quality Grade: Unless otherwise indicated provide products of quality specified by AWI//AWMAC/WI Architectural Woodwork Standards for Premium Grade.
B. Wood Veneer Faced Cabinets: Premium grade.
1. Exposed Surfaces: Grade A, Species as indicated on the drawings and in the FF & E book.
C. Plastic Laminate Faced Cabinets: See 06 2000 Finish Carpentry.
2.02 WOOD-BASED COMPONENTS
A. Hardwood Edgebanding: Use solid hardwood edge-banding matching species, color, grain, and grade for exposed portions of cabinetry.
2.03 LAMINATE MATERIALS
A. Provide specific types as indicated on drawings and the FF & E book.
2.04 COUNTERTOPS
A. As indicated on drawings the FF & E book.
2.05 ACCESSORIES
A. Adhesive: Type recommended by fabricator to suit application.
2.06 HARDWARE
A. Hardware: BHMA A156.9, types as indicated for quality grade specified.
B. Adjustable Shelf Supports: Standard side-mounted system using recessed metal shelf standards or multiple holes for pin supports and coordinated self rests, polished chrome or other indicated finish, for nominal 2 inch spacing adjustments.
C. Drawer Slides:
1. Type: Standard extension.
2. Static Load Capacity: Commercial grade.
3. Mounting: Side mounted.
4. Stops: Integral type.
D. Hinges: European style concealed self-closing type, unless noted otherwise.
E. For decorative hardware see the FF & E book.
2.07 SITE FINISHING MATERIALS
A. Finishing: Site finished as specified in Section 09 9000.
2.08 FABRICATION
A. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.
B. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.
C. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.
D. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises. Locate counter butt joints minimum 2 feet from sink cut-outs.
2.09 SHOP FINISHING
A. Sand work smooth and set exposed nails and screws.
B. For opaque finishes, apply wood filler in exposed nail and screw indentations and sand smooth.
C. On items to receive transparent finishes, use wood filler matching or blending with surrounding surfaces and of types recommended for applied finishes.
D. Finish work in accordance with AWI/AWMAC/WI Architectural Woodwork Standards, Section 5 - Finishing for Grade specified and as follows:
1. Transparent:
a. System - 1, Lacquer, Nitrocellulose.
b. Sheen: Satin.
2. Opaque:
a. System - 1, Lacquer, Nitrocellulose.
b. Color: As selected by NCA Partners-Architecture.
c. Sheen: Satin.
PART 3 EXECUTION
3.01 EXAMINATION
A. Verify adequacy of backing and support framing.
B. Verify location and sizes of utility rough-in associated with work of this section.
3.02 INSTALLATION
A. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.
B. Use fixture attachments in concealed locations for wall mounted components.
C. Use concealed joint fasteners to align and secure adjoining cabinet units.
D. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim for this purpose.
E. Secure cabinets to floor using appropriate angles and anchorages.

END OF SECTION

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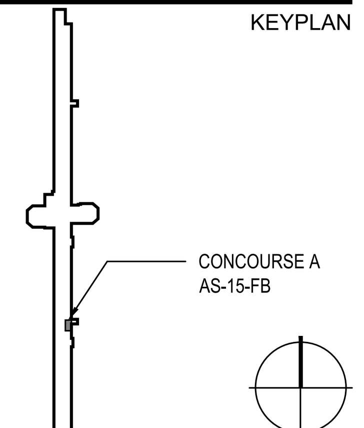

DATE	ISSUE	REVISION
2025.07.10	30% CLIENT REVIEW	
2025.08.15	30% AIRPORT REVIEW	
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.03.24	100% AIRPORT REVIEW	

NOT FOR CONSTRUCTION

This drawing must not be scaled. The General Contractor shall verify all dimensions on site prior to commencement of work. All errors omissions to be reported immediately to the Designer. Variations & modifications to work shown on these drawings shall not be carried out without written permission from the Designer. This drawing is the exclusive property of the Designer and can be reproduced only with the permission of the Designer in which case the reproduction must bear their name.

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AS-15-FB
CORNER CAFE
SPECIFICATIONS

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SHEET NUMBER

A2.0

PROJECT NUMBER 1808

SECTION 07 9000 - JOINT SEALERS
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Sealants and joint backing.
B. Precompressed foam sealers.
1.02 REFERENCE STANDARDS
A. ASTM C834 - Standard Specification for Latex Sealants; 2010.
B. ASTM C919 - Standard Practice for Use of Sealants in Acoustical Applications; 2008.
C. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2011.
D. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2010.
1.03 SUBMITTALS
A. See Section 01300 - Administrative Requirements, for submittal procedures.
B. Product Data: Provide data indicating sealant chemical characteristics, limitations, and color availability.
1.04 FIELD CONDITIONS
A. Maintain temperature and humidity recommended by the sealant manufacturer during and after installation.
1.05 WARRANTY
A. Correct defective work within a five year period after Date of Substantial Completion.
B. Warranty: Include coverage for installed sealants and accessories which fail to achieve airtight seal, exhibit loss of adhesion or cohesion, or do not cure.
PART 2 PRODUCTS
2.01 MANUFACTURERS
2.02 SEALANTS
A. General Purpose Exterior Sealant: Polyurethane; ASTM C920, Grade NS, Class 25, Uses M, G, and A; single component.
1. Color: Match adjacent finished surfaces.
B. Exterior Expansion Joint Sealer: Precompressed foam sealer; urethane with water-repellent;
1. Face color: To match adjacent material.
2. Size as required to provide weathertight seal when installed.
C. General Purpose Interior Sealant: Acrylic emulsion latex; ASTM C834, Type OP, Grade NF single component, paintable.
1. Color: Match adjacent finished surfaces.
D. Acoustical Sealant for Concealed Locations: Permanently tacky non-hardening butyl sealant.
E. Interior Floor Joint Sealant: Polyurethane, self-leveling; ASTM C920, Grade P, Class 25, Uses T, M and A; single component.
1. Color: Match adjacent finished surfaces.
2. Color: Color as selected.
F. Acrylic Sealant: ASTM C920, Grade NS, Class 12-1/2, Uses NT, M, A, O; single component, solvent curing, non-staining, non-bleeding, non-sagging.
1. Color: Match adjacent finished surfaces.
H. Self-Leveling Polysulfide Sealant: ASTM C920, Grade P, Class 25, Uses T, I, M, A, O; two component, chemical curing, non-staining, non-bleeding, capable of continuous water immersion, self-leveling type.
1. Color: Match adjacent finished surfaces.
I. Self-Leveling Polyurethane Sealant: ASTM C920, Grade P, Class 25, Uses T, I, M, A, O; single component, chemical curing, non staining, non bleeding, capable of continuous water immersion, self-leveling type.
1. Color: Color as selected.
J. Silicone Sealant: ASTM C920, Grade NS, Class 25, Uses NT, A, G, M, O; single component, solvent curing, non-sagging, non-staining, fungus resistant, non-bleeding.
1. Color: Match adjacent finished surfaces.
2.03 ACCESSORIES
A. Primer: Non-staining type, recommended by sealant manufacturer to suit application.
B. Joint Backing: Round foam rod compatible with sealant; ASTM D 1667, closed cell PVC; oversized 30 to 50 percent larger than joint width.
C. Bond Breaker: Pressure sensitive tape recommended by sealant manufacturer to suit application.
PART 3 EXECUTION
3.01 EXAMINATION
A. Verify that substrate surfaces are ready to receive work.
B. Verify that joint backing and release tapes are compatible with sealant.
3.02 INSTALLATION
A. Perform work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
B. Perform installation in accordance with ASTM C1193.
C. Perform acoustical sealant application work in accordance with ASTM C919.
D. Measure joint dimensions and size joint backers to achieve width-to-depth ratio, neck dimension, and surface bond area as recommended by manufacturer, except where specific dimensions are indicated.
E. Install bond breaker where joint backing is not used.
F. Install sealant free of air pockets, foreign embedded matter, ridges, and sags.
G. Apply sealant within recommended application temperature ranges. Consult manufacturer when sealant cannot be applied within these temperature ranges.
H. Tool joints concave.
I. Precompressed Foam Sealant: Do not stretch; avoid joints except at corners, ends, and intersections; install with face 1/8 to 1/4 inch below adjoining surface.

END OF SECTION

SECTION 08 3100 - ACCESS DOORS AND PANELS
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Wall access door and frame units.
B. Ceiling access door and frame units.
PART 2 PRODUCTS
2.01 WALL UNITS
A. Manufacturers:
1. Acudor Products Inc: www.acudor.com.
2. Karp Associates, Inc: www.karpinc.com.
3. Milcor by Commercial Products Group of Hart & Cooley, Inc: www.milcorinc.com
B. Door and Frame Units: Factory fabricated, fully assembled units with corner joints welded, filled, and ground flush; square and without rack or warp; coordinate requirements with assemblies units are to be installed in.
1. Material: Steel. (Aluminum in wet areas)
2. Frames and flanges: 0.058 inch steel.
3. Door panels: 0.070 inch single thickness steel sheet.
4. Units in Fire Rated Assemblies: Fire rating equivalent to the fire rated assembly in which they are to be installed.
5. Size: As indicated.
6. Hardware:
a. Hinge: Concealed constant force closure spring type.
b. Lock: Screw driver slot for quarter turn cam lock.
7. Prime coat with alkyd primer.
2.02 CEILING UNITS
A. Ceiling Access Doors:
1. Chicago Metallic/Rockfon; 8500 Series: www.rockfon.com
B. Floor Door and Frame Units: Glass reinforced gypsum designed specifically for use with drywall ceilings.
1. Size: As indicated. (18" min. size)
2. Units in Fire Rated Assemblies: Fire rating equivalent to the fire rated assembly in which they are to be installed.
PART 3 EXECUTION
3.01 EXAMINATION
A. Verify that rough openings are correctly sized and located.
3.02 INSTALLATION
A. Install units in accordance with manufacturer's instructions.
B. Install frames plumb and level in openings. Secure rigidly in place.
C. Position units to provide convenient access to the concealed work requiring access.

END OF SECTION

SECTION 08 3513-SECTIONAL DOORS
PART 1 GENERAL
1.01 SUMMARY
A. Aluminum side-folding accordion door manufactured by **Alumatec Pacific Products** is as shown on this submittal.
B. Design, construction and preparation of openings, including support header (see standard manufacturer drawing details), backing at leading edge wall to connect locking wall strike, and pocket by others. Finish or field painting is excluded (unless included in proposal or specification, job specific).
1.02 SYSTEM DESCRIPTION
A. Side-Folding doors are designed for standard cycle usage, and designed for manual push / pull operation.
1.03 WARRANTY
A. Limited (see warranty sheet) two years from date of shipment - warranty does not apply to finishes.
PART 2 PRODUCTS
2.01 MANUFACTURER
A. Alumatec Pacific Products: 1155 West 500 North, Centerville, UT 84014 - www.alumatecpp.com
B. Sales Department: 801-298-0181 ext. 1 or toll free 877-770-0181 ext. 1
2.02 MATERIALS
A. Curtain is assembled from custom designed, extruded, full height interlocking hinge system, using pure US billet aluminum. Standard finish to be commercial clear satin anodized. Panels constructed with clear view polycarbonate at 3/32" thick x 48"or less in height; each with a 4" top and bottom kick plate and 4" tall intermediate stile. Extruded interlocking hinge system every 7" on horizontal centers. Each panel is fabricated to opening size less 1½" gap at top of curtain (between curtain and track), and 1½" gap between floor and bottom of curtain slat.
B. Locking Mullion: is a rectangular shape extruded from 6063-alloy aluminum, and constructed with a locking system to prevent access by pulling out or pushing in on the curtain.
1.Hook Lock - Standard locking mullion at leading edge of side-folding door (full height wall strike included).
2.Intermediate Drop Lock - Installed every 10 feet in width with keyed cylinder exterior (keyed cylinder or thumb turn cylinder can be added to interior if specified). Drop pin constructed of 7/16" cold drawn round with 3" throw capacity into stainless steel dust proof floor strike.
3.Bi-Parting Lock - Locking mullions to consist of #1 hook lock and #2 drop lock with strike on intermediate post. Hook lock to engage into strike, while #2 drop lock to be locked into floor. This allows the door to be opened in a specific spot (in front of man door) or standard, in the center of the opening. Door to stack at each jamb.
4.Top & Bottom Lock - Used when lead post terminates at glass, or any object that is not a flat surface where the wall strike cannot be mounted. Top pin and drop pin constructed of 7/16" cold drawn round with 3" throw capacity into stainless steel dust proof floor strike.
5.Free Floating Tailing Edge - Floating tailing edge for pocket application. Free floating mullion to be set to float in pocket but not allow door to travel past front edge of pocket. V-Stop fabricated from ¾" steel angle set with anchors provided at pocket depth taking up all slack in curtain (curtain to be snug when in the locked position).
6.Stationary Wall Mullion - To be permanently attached to wall when storage pocket is not used.
C. Top Track
1.V2 - 1¾" x 1¾" (white roller / wheel bearings).
D. Radius Track Options 14" 90ºR, 14" 45ºR, 14" 30ºR, Custom continuous sweeping radius.
E. Operation - Manual push / pull
F. Locking (is as indicated):
1.CYLINDER LOCK standard interior & exterior on lead post. Keyed cylinder standard on one side (interior or exterior) on #2 Intermediate mullions, as indicated and shown on the submittal drawing.
a.Keyed Cylinder Exterior
b.Thumb-Turn Cylinder Interior or
c.Keyed Cylinder Interior
• Standard Schlage Keyway Cylinder
• Best Interchangeable Core Cylinder (Medeco, KeyMark, Falcon, etc.)
2.03 FINISHES
A. Aluminum curtain finish as indicated:
1.Clear Anodized (standard)
PART 3 EXECUTIONS
3.01 INSTALLATION
A. Doors are to be installed in accordance with Alumatec Pacific Products installation instructions and by authorized, and certified professional Alumatec Pacific Products door dealer.

SECTION 08 7000 - FINISH HARDWARE
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Perform work required to complete Builder's Finish Hardware indicated by the Contract Documents including supplementary items necessary for its installation.
1.02 SUBMITTALS FOR REVIEW
A. Shop Drawings: Indicate opening sizes, details of track and required supports, track loads, adjacent construction and finish trim, and stacking sizes.
1. Submit 4 copies of the finish hardware schedule for approval before fabrication and delivery of hardware to the Site. Include items required for the entire project whether or not hereinafter listed in the detail schedule.
2. Include details as to proper type strike plates, length of spindle, hand back set and bevel of locks, hand and degree opening for closers, length of kickplates, length of rods for flush bolts, type of door stop and other functions of mechanisms.
3. Identify the manufacturer of each item if requested, and list the appropriate finish.
4. Show door locations and numbers, and finish hardware required for each door. Number hardware delivered to the job site for installation in accordance with the schedule numbers.
5. After approval of hardware schedule, submit a masterkey chart for the Owner's approval. No changes shall be made to the approved schedule and chart without the written consent of the Owner.
6. Furnish copies of the manufacturer's specifications for installation of each of the various types of hardware to be supplied; include maintenance and keying manuals.
B. Samples:
1. Submit one sample of custom finishes tagged for identification. Submit samples prior to submittal of the Hardware Schedule, fabrication and delivery of material.
C. Templates
1. Furnish necessary templates and template data to manufacturers of items that will be fitted with finish hardware in ample time to avoid delay in work.
1.03 PACKAGING AND LABELING
A. Furnish hardware with the required screws, bolts and fastenings necessary for its installation, packed in the same package with the hardware and including keys and instructions.
B. Legibly mark and adequately label each package indicating the part of the work for which it is intended. Each marking shall correspond to the number shown on the approved hardware schedule.
C. Tag keys for each lock set. Plainly mark on the face of the envelope the change number, door designation and other identifying information as required. Forward keys except construction master keys by registered mail in safety envelopes addressed as directed.
D. Deliver hardware required for shop application to the factory or factories of the respective manufacturers in ample time so as not to impede the progress of their work.
PART 2 PRODUCTS
2.01 ACCEPTABLE MANUFACTURERS
A. Products of the following manufacturers are acceptable, provided they comply with the Contract Documents.
1. Lock and Latch Sets:
As Specified on Drawings or if not noted Corbin, Schlage or Yale
2. Butt Hinges:
As Specified on Drawings or if not noted Hager, Bommer Stanley
3. Panic Device:
As Specified on Drawings or if not noted Von Duprin or Adams Rite
4. Closers:
As Specified on Drawings or if not noted LCN or Norton
PART 3 EXECUTION
3.01 KEYS AND KEYING
A. Key lock sets and cylinders in the space to an established and recorded masterkey system provided by the Owner. Keys shall be suitable for master-keying.
B. Confirm keying is compatible with currently base building keying system.
C. Key locks in sets and sub-sets. Keys of one set and sub-set shall not operate the locks of other set, unless specifically required. Stamp keys with the change number.
D. After locks have been installed, the keys shall be demonstrated in the presence of the Owner to operate freely.
E. Furnish keys of nickel silver and of the following quantities (unless noted otherwise):
1. Three change keys for each cylinder lock
2. Six master keys for each system
3.02 GENERAL REQUIREMENTS
A. The Hardware Schedule is not complete with respect to the thickness of doors, hand and back set of hardware items, method of fastening and other detail requirements. Thoroughly check the drawings and door schedule and provide required hardware for openings.
B. Provide required hardware, although not specifically mentioned; trim such openings with hardware of equal quality and design to that specified for similar openings. No claims for extras will be allowed for services and materials which, in the Architect's opinion, should have been foreseen by the Contractor and included in his Proposal.
C. Where the exact types of hardware specified are not adaptable to the finished shape and sizes of members requiring hardware, furnish suitable types having as nearly as practicable the same operation and quality as the types specified, with owner approval.
D. Where optional manufacturers are specified for one product, use only those of one manufacturer.
E. Hardware supplier shall make an inspection of each item, and after completion notify the Contractor, in writing, with a copy to the Architect, of hardware that has been improperly installed, it being understood that the Contractor is entirely responsible for satisfactory performance of the completed work.
3.03 FINISH HARDWARE INSTALLATION
A. Obtain approval of locations, keying, marking and methods of installation before proceeding with work. Install finish hardware according to manufacturer's instructions, and coordinated with base building requirements.
B. Remove and replace hardware as necessary to prevent damage, soiling, and staining during painting operations. Protect hardware finish by covering, masking and other methods.
C. Neatly and accurately mortise butts, lock plates and strikes to insure a smooth and quiet operation of parts of the work. Adjust hardware to proper operational conditions prior to completion of project.
D. Deliver keys, instructions and hardware maintenance data to Owner on completion of project.

END OF SECTION

SECTION 08 8000 - GLAZING
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Furnish labor, materials, equipment and incidentals necessary to install glass and glazing and mirror
1.02 DESIGN CRITERIA
A. Glass shall comply with the requirements of ASTM Standard E1300 "Standard Specification for Determining the Minimum Thickness of Annealed Glass Required to Resist a Specific Load"
B. Maximum deflection of framing number shall be limited to 1/175 of span. Contractor shall coordinate this requirement with supplies of aluminum framing members.
C. ANSI 297.1 "Safety Glazing Materials"
D. ASTM C1503 - 08(2013) Standard Specification for Silvered Flat Glass Mirror
PART 2 PRODUCTS
2.01 MATERIALS
A. Tempered Glass: Clear tempered glass meeting requirements of ASTM C-1036, Tempered glass shall conform to ANSI 297.1.
B. Glazing tape: Butyl glazing tape; fully cured; 3M "606 Butyl Tape", or approved equal.
C. Setting blocks: Neoprene, 70-90 Shore A durometric hardness.
D. Mirror Glass: Silvered glass meeting requirements of ASTM C1503 - 08(2013)
PART 3 EXECUTION
3.01 PREPARATION
A. Frames receiving glazing shall be clean, free of oil, grease, dust or other materials. Firmly anchor in place before installing glass.
B. Verify opening sizes at the job site before cutting any glass. Cut glass accurately to fit field measurements. Framing members shall be plumb and vertical, installed without bows or misalignment. Frames shall not be set to be under stress from surrounding construction.
3.02 INSTALLATION
A. Cut each pane to proper size, allowing a face clearance of 1/8" inch and an edge clearance of 1/4" inch between the glass and the framing members at all perimeters. Avoid contact of glass to metal. Cut glass to produce clean, smooth edges, free of piped or chipped edges.
B. Provide setting blocks at quarter points of glass bearing. Center glass in opening in both horizontal and vertical planes. Provide edge blocks for large panes, which are no less than three (3") inches long and insert near the top and bottom edges of vertical members.
C. Glazing in metal frames with stops shall be made with tape glazing. Cut glazing tape to the full length of the opening and set against permanent stops. Remove protective paper from tape, set glass onto setting blocks and press firmly against tape surface. Seal joints between glazing stop and glass with continuous bead of sealant.
D. Frames furnished with neoprene or vinyl glazing strips shall have glass set in accordance with the manufacturer's recommendations to produce a weather-tight joint.
E. At removable stops, provide a 1/4 inch clearance between edge of glazing material and back of glazing rabbet at jambs and head after allowance for setting block or shim thickness at sill. At dry glazing, provide clearance required by design of frame member but not less than 1/4 inch.
3.03 FIELD QUALITY CONTROL
A. Replace glass and materials that become broken, chipped, cracked or damaged during construction and before substantial completion of building.
B. Where existing work is required to be reglazed, remove existing setting material completely to base glazing frame and reglaze opening as required for a new glazing.
C. Surface scratches shall be cause for rejection of any piece of glass. Iron spots, weld marks, or any defects that confuse vision shall be defects that require replacement of glass.

END OF SECTION

SECTION 09 1110 - NON-LOADBEARING METAL FRAMING
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Metal partition, ceiling, and soffit framing.
B. Framing accessories.
1.02 REFERENCE STANDARDS
A. AISI SG02-1 - North American Specification for the Design of Cold-Formed Steel Structural Members; American Iron and Steel Institute; 2001 with 2004 supplement. (replaced SG-971)
B. ASTM C645 - Standard Specification for Nonstructural Steel Framing Members; 2009a.
C. ASTM C754 - Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products; 2009a.
D. ASTM C1002 - Standard Specification for Steel Self-Piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs; 2007.
1.03 SUBMITTALS
A. See Section 01300 - Administrative Requirements, for submittal procedures.
B. Product Data: Provide manufacturer's data on partition head to structure connectors, showing compliance with requirements.
PART 2 PRODUCTS
2.01 MANUFACTURERS
A. Metal Framing, Connectors, and Accessories:
1. Clarkwestern Dietrich Building Systems LLC: www.clarkdeitrich.com.
2. Marino\Ware: www.marinoware.com.
3. Substitutions: See Section 01600 - Product Requirements.
2.02 FRAMING MATERIALS
A. Fire Rated Assemblies: Comply with applicable code and as indicated on drawings.
B. Non-Loadbearing Framing System Components: ASTM C645; galvanized sheet steel, of size and properties necessary to comply with ASTM C754 for the spacing indicated, with maximum deflection of wall framing of L/240 at 5 psf.
1. Studs: C shaped with flat or formed webs.
2. Runners: U shaped, sized to match studs.
3. Ceiling Channels: C shaped.
4. Furring: Hat-shaped sections, minimum depth of 7/8 inch.
C. Ceiling Hangers: Type and size as specified in ASTM C754 for spacing required.
D. Partition Head to Structure Connections: Provide mechanical anchorage devices that accommodate deflection using slotted holes, screws and anti-friction bushings, preventing rotation of studs while maintaining structural performance of partition.
1. Structural Performance: Maintain lateral load resistance and vertical movement capacity required by applicable code, when evaluated in accordance with AISI North American Specification for the Design of Cold-Formed Steel Structural Members.
2. Material: ASTM A653/A653M steel sheet, SS Grade 50, with G60/Z180 hot dipped galvanized coating.
3. Provide components UL-listed for use in UL-listed fire-rated head of partition joint systems indicated on drawings.
E. Tracks and Runners: Same material and thickness as studs, bent leg retainer notched to receive studs with provision for crimp locking to stud.
F. Furring and Bracing Members: Of same material as studs; thickness to suit purpose; complying with applicable requirements of ASTM C754.
G. Fasteners: ASTM C1002 self-piercing tapping screws.
H. Anchorage Devices: Power actuated.
PART 3 EXECUTION
3.01 INSTALLATION OF STUD FRAMING
A. Extend partition framing to structure where indicated and to ceiling in other locations.
B. Partitions Terminating at Ceiling: Attach ceiling runner securely to ceiling track in accordance with manufacturer's instructions.
C. Align and secure top and bottom runners at 24 inches on center.
D. Fit runners under and above openings; secure intermediate studs to same spacing as wall studs.
E. Align stud web openings horizontally.
F. Secure studs to tracks using fastener method. Do not weld.
G. Stud splicing is not permissible.
H. Fabricate corners using a minimum of three studs.
I. Double stud at wall openings, door and window jambs, not more than 2 inches from each side of openings.
J. Coordinate erection of studs with requirements of door frames; install supports and attachments.
K. Coordinate installation of bucks, anchors, and blocking with electrical, mechanical, and other work to be placed within or behind stud framing.
L. Blocking: Use wood blocking secured to studs. Provide blocking for support of plumbing fixtures, toilet partitions, wall cabinets, toilet accessories, hardware, and opening frames.
3.02 CEILING AND SOFFIT FRAMING
A. Install furring after work above ceiling or soffit is complete. Coordinate the location of hangers with other work.
B. Install furring independent of walls, columns, and above-ceiling work.
C. Securely anchor hangers to structural members or embed in structural slab. Space hangers as required to limit deflection to criteria indicated. Use rigid hangers at exterior soffits.
D. Space main carrying channels at maximum 72 inch on center, and not more than 6 inches from wall surfaces. Lap splice securely.
E. Securely fix carrying channels to hangers to prevent turning or twisting and to transmit full load to hangers.
F. Place furring channels perpendicular to carrying channels, not more than 2 inches from perimeter walls, and rigidly secure. Lap splices securely.

END OF SECTION

SECTION 09 2600 - GYPSUM BOARD ASSEMBLIES
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Performance criteria for gypsum board assemblies.
B. Cementitious backing board.
C. Gypsum wallboard.
D. Joint treatment and accessories.
1.02 REFERENCE STANDARDS
A. ANSI A108.11 - American National Standard for Interior Installation of Cementitious Backer Units; 2010.
B. ANSI A118.9 - American National Standard Specifications for Test Methods and Specifications for Cementitious Backer Units; 1999 (R2010).
C. ASTM C475/C475M - Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board; 2002 (Reapproved 2007).
D. ASTM C840 - Standard Specification for Application and Finishing of Gypsum Board; 2008.
E. ASTM C1325 - Standard Specification for Non-Asbestos Fiber-Mat Reinforced Cement Substrate Sheets; 2008b.
F. ASTM C1396/C1396M - Standard Specification for Gypsum Board; 2009a.
G. GA-216 - Application and Finishing of Gypsum Board; Gypsum Association; 2010.
PART 2 PRODUCTS
2.01 GYPSUM BOARD ASSEMBLIES
A. Provide completed assemblies complying with ASTM C840 and GA-216.
B. Fire Rated Assemblies: Provide completed assemblies complying with applicable code.
2.02 BOARD MATERIALS
A. Gypsum Wallboard: Paper-faced gypsum panels as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.
1. Application: Use for vertical surfaces and ceilings, unless otherwise indicated.
2. At Assemblies Indicated with Fire-Rating: Use type required by indicated tested assembly; if no tested assembly is indicated, use Type X board, UL or WH listed.
3. Thickness:
a. Vertical Surfaces: 5/8 inch.
b. Ceilings: 5/8 inch.
c. Multi-Layer Assemblies: Thicknesses as indicated on drawings.
B. Backing Board For Wet Areas: One of the following products:
1. Application: Surfaces behind tile in wet areas including tub and shower surrounds and shower ceilings.
2. ANSI Cement-Based Board: Non-gypsum-based; aggregated Portland cement panels with glass fiber mesh embedded in front and back surfaces complying with ANSI A118.9 or ASTM C1325.
a. Thickness: 1/2 inch.
C. Backing Board For Non-Wet Areas: Water-resistant gypsum backing board as defined in ASTM C1396/C1396M; sizes to minimum joints in place; ends square cut.
1. Application: Vertical surfaces behind thinset tile, except in wet areas.
2. Type X Thickness: 5/8 inch.
3. Edges: Tapered.

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2.03 ACCESSORIES
A. Joint Materials: ASTM C475 and as recommended by gypsum board manufacturer for project conditions.
B. High Build Drywall Surfacer: Vinyl acrylic latex-based coating for spray application, designed to take the place of skim coating and separate paint primer in achieving Level 5 finish.
PART 3 EXECUTION
3.01 EXAMINATION
A. Verify that project conditions are appropriate for work of this section to commence.
3.02 BOARD INSTALLATION
A. Comply with ASTM C 840, GA-216, and manufacturer's instructions. Install to minimize butt end joints, especially in highly visible locations.
B. Fire-Rated Construction: Install gypsum board in strict compliance with requirements of assembly listing.
C. Cementitious Backing Board: Install over steel framing members and plywood substrate where indicated, in accordance with ANSI A108.11 and manufacturer's instructions.
3.03 INSTALLATION OF TRIM AND ACCESSORIES
A. Control Joints: Place control joints consistent with lines of building spaces and as follows:
1. Not more than 30 feet apart on walls and ceilings over 50 feet long.
2. At exterior soffits, not more than 30 feet apart in both directions.
B. Corner Beads: Install at external corners, using longest practical lengths.
3.04 JOINT TREATMENT
A. Finish gypsum board in accordance with levels defined in ASTM C840, as follows:
1. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.
2. Level 5: Walls and ceilings to receive semi-gloss or gloss paint finish and other areas specifically indicated.
3. Level 1: Fire rated wall areas above finished ceilings, whether or not accessible in the completed construction.
4. Level 0: Temporary partitions and surfaces indicated to be finished in later stage of project.
B. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes.
1. Feather coats of joint compound so that camber is maximum 1/32 inch.
C. Where Level 5 finish is indicated, spray apply high build drywall surfacer over entire surface after joints have been properly treated; achieve a flat and tool mark-free finish.
3.05 TOLERANCES
A. Maximum Variation of Finished Gypsum Board Surface from True Flatness: 1/8 inch in 10 feet in any direction.

END OF SECTION

SECTION 09 3000 - TILE
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Tile for floor applications.
B. Tile for wall applications.
C. Cementitious backer board as tile substrate.
1.02 REFERENCE STANDARDS
A. ANSI A108 Series/A118 Series/A136.1 - American National Standard Specifications for the Installation of Ceramic Tile (Compendium); 2009.
B. ANSI A118.6 - American National Standard Specifications for Standard Cement Grouts for Tile Installation; 2010.
C. TCNA (HB) - Handbook for Ceramic Tile Installation; 2011.
1.03 QUALITY ASSURANCE
A. Maintain one copy of The Tile Council of North America Handbook and ANSI A108 Series/A118 Series on site.
PART 2 PRODUCTS
2.01 SETTING MATERIALS
A. Latex-Portland Cement Mortar Bond Coat: ANSI A118.4.
1. Application(s): Use this type of bond coat where indicated and where no other type of bond coat is indicated.
2.02 GROUTS
A. Manufacturers:
1. Custom Building Products: www.custombuildingproducts.com.
2. LATICRETE International, Inc: www.laticrete.com.
3. Substitutions: See Section 01600 - Product Requirements.
B. Standard Grout: ANSI A118.6 standard cement grout.
1. Applications: Use this type of grout where indicated and where no other type of grout is indicated.
2. Use sanded grout for joints 1/8 inch wide and larger; use unsanded grout for joints less than 1/8 inch wide.
3. Color(s): As scheduled.
C. Epoxy Grout: ANSI A118.3 chemical resistant and water-cleanable epoxy grout.
1. Color(s): As scheduled.
D. Tile Sealant: Gunnable, silicone, siliconized acrylic, or urethane sealant; moisture and mildew resistant type.
1. Applications: Between tile and plumbing fixtures.
2. Color(s): As selected by NCA Partners-Architecture from manufacturer's full line.
2.03 THIN-SET ACCESSORY MATERIALS
A. Concrete Floor Slab Crack Isolation Membrane: Material complying with ANSI A118.12.
1. Thickness: 20 mils, maximum.
2. Crack Resistance: No failure at 1/16 inch gap, minimum.
B. Waterproofing Membrane at Floors: Specifically designed for bonding to cementitious substrate under thick mortar bed or thin-set tile; complying with ANSI A118.10.
1. Type: Peel-and-stick sheet.
2. Material: PVC sheet membrane, 40 mils, thick, minimum-include drain flashings when needed.
C. Cementitious Backer Board: ANSI A118.9; High density, cementitious, glass fiber reinforced, 1/2 inch thick; 2 inch wide coated glass fiber tape for joints and corners.
PART 3 EXECUTION
3.01 EXAMINATION
A. Verify that sub-floor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive tile.
B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive tile.
C. Verify that sub-floor surfaces are dust-free and free of substances that could impair bonding of setting materials to sub-floor surfaces.
D. Verify that concrete sub-floor surfaces are ready for tile installation by testing for moisture emission rate and alkalinity; obtain instructions if test results are not within limits recommended by tile manufacturer and setting materials manufacturer.
E. Verify that required floor-mounted utilities are in correct location.
3.02 PREPARATION
A. Protect surrounding work from damage.
B. Vacuum clean surfaces and damp clean.
C. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.
D. Install cementitious backer board in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of dry-set mortar to a feather edge.
E. Install tile backer board in strict accordance with manufacturer's instructions, using galvanized roofing nails or corrosion-resistant bugle head drywall screws. Bed fiberglass self-adhesive tape at all joints and corners with material used to set tiles.
3.03 INSTALLATION - GENERAL
A. Install tile, thresholds, and stair treads and grout in accordance with applicable requirements of ANSI A108.1 through A108.13, manufacturer's instructions, and The Tile Council of North America Handbook recommendations.
B. Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
C. Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.
D. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight, without voids, cracks, excess mortar, or excess grout.
E. Form internal angles square and external angles bullnosed.
F. Install non-ceramic trim in accordance with manufacturer's instructions.
G. Sound tile after setting. Replace hollow sounding units.
H. Keep expansion joints free of adhesive or grout. Apply sealant to joints.
I. Allow tile to set for a minimum of 48 hours prior to grouting.
J. Grout tile joints. Use standard grout unless otherwise indicated.
K. Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes.
3.04 INSTALLATION - WALL TILE
A. On exterior walls install in accordance with The Tile Council of North America Handbook Method W244, thin-set over cementitious backer units, with waterproofing membrane.
B. Over cementitious backer units on studs, install in accordance with The Tile Council of North America Handbook Method W244, using membrane at toilet rooms.
C. Over interior concrete and masonry install in accordance with The Tile Council of North America Handbook Method W202, thin-set with dry-set or latex-Portland cement bond coat.
D. Over wood studs without backer install in accordance with The Tile Council of North America Handbook Method W231, mortar bed, with membrane where indicated.
E. Over metal studs without backer install in accordance with The Tile Council of North America Handbook Method W241, mortar bed, with membrane where indicated.

END OF SECTION

SECTION 09 6500 - RESILIENT FLOORING
PART 1 GENERAL
1.01 SECTION INCLUDES
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Flooring and accessories as shown on the drawings and schedules and as indicated by the requirements of this section.
1.02 SUBMITTALS FOR REVIEW
A. Submit shop drawings, seaming plan, coving details, and manufacturer's technical data, installation and maintenance instructions for flooring and accessories.
B. Submit the manufacturer's standard samples showing the required colors for flooring and applicable accessories.
C. If required, submit the manufacturer's certification that the flooring has been tested by an independent laboratory and complies with the required fire tests.
1.03 FIELD MEASUREMENTS
A. Verify that field measurements are as indicated.
1.04 ENVIRONMENTAL CONDITIONS
A. Install flooring and accessories after the other finishing operations, including painting, have been completed. Close spaces to traffic during the installation of the flooring. Do not install flooring over concrete slabs until they are sufficiently dry to achieve a bond with the adhesive, in accordance with the manufacturer's recommended bond and moisture tests.
PART 2 PRODUCTS
2.01 SAFETY FLOORING
A. Slip Resistant Sheet Vinyl Manufacturer: Designer 25 by Altro, Telephone 800.377.5597, Fax 610.746.4325; E-Mail Assistance: info@altrofloors.com
2.02 ACCESSORIES
A. Vinyl welding rod: Acceptable material:
1. Altro weld rod
B. Cove former: Acceptable material, sized to suit application:
1. Altro Cove former 20R - 1" radius
C. Gulley edge: Acceptable material, vinyl, sized to suit application:
1. Altro Gulley Edge
D. Cap strip: Acceptable material, sized to suit application, Vinyl
1. Altro Cap Strip
E. Subfloor Filler and Leveler: Use only gray Portland cement-based "moisture tolerant" underlayments, and patching compounds. Use for filling cracks, holes or leveling. White gypsum materials are not acceptable.
F. Metal edge strips:
1. Aluminum extruded, smooth, mill finish with lip to extend over flooring.
PART 3 EXECUTION
3.01 PREPERATION
A. Safety flooring shall be installed over subfloors conforming to ASTM F710 for concrete and other monolithic floors or ASTM F1482 for wood subfloors.
B. Smooth concrete surfaces, removing rough areas, projections, ridges, and bumps, and filling low spots, control or construction joints, and other defects as recommended by the flooring manufacturer.
C. Remove paint, varnish, oils, release agents, sealers, and waxes. Remove residual adhesives as recommended by the flooring manufacturer. Remove curing and hardening compounds not compatible with the adhesives used, as indicated by a bond test or by the compound manufacturer's recommendations for flooring. Avoid organic solvents.
D. For Installation System, Full Spread perform subfloor moisture testing in accordance with ASTM F 2170, "Standard Test Method for Determining Relative Humidity in Concrete Slabs Using in-situ Probesand Bond Tests to determine if surfaces are dry; free of curing and hardening compounds, old adhesive, and other coatings; and ready to receive flooring. Do not proceed with flooring installation until results of moisture tests are acceptable. All test results shall be documented and retained.
E. Perform pH tests on concrete floors regardless of their age or grade level. All test results shall be documented and retained.
F. Vacuum or broom-clean surfaces to be covered immediately before the application of flooring. Make subfloor free from dust, dirt, grease, and all foreign materials.
3.02 INSTALLATION
A. Install flooring wall to wall before the installation of floor-set cabinets, casework, furniture, equipment, movable partitions, etc. Extend flooring into toe spaces, door recesses, closets, and similar openings as shown on the drawings.
B. If required, install flooring on pan-type floor access covers. Maintain continuity of color and pattern within pieces of flooring installed on these covers.
C. Coved Installation: Where Altro safety flooring is coved up wall surfaces and other abutments, installation shall be in accordance with Altro safety flooring Installation Practices

END OF SECTION

SECTION 09 6510 - RESILIENT TILE FLOORING
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Flooring and accessories as shown on the drawings and schedules and as indicated by the requirements of this section.
1.02 SUBMITTALS FOR REVIEW
A. Submit shop drawings, seaming plan, coving details, and manufacturer's technical data, installation and maintenance instructions for flooring and accessories.
B. Submit the manufacturer's standard samples showing the required colors for flooring and applicable accessories.
C. If required, submit the manufacturer's certification that the flooring has been tested by an independent laboratory and complies with the required fire tests.
1.03 FIELD MEASUREMENTS
A. Verify that field measurements are as indicated.
1.04 ENVIRONMENTAL CONDITIONS
A. Install flooring and accessories after the other finishing operations, including painting, have been completed. Close spaces to traffic during the installation of the flooring. Do not install flooring over concrete slabs until they are sufficiently dry to achieve a bond with the adhesive, in accordance with the manufacturer's recommended bond and moisture tests.
PART 2 PRODUCTS
2.01 VINYL COMPOSITION TILE
A. Provide Tile Flooring manufactured by Armstrong World Industries, Inc., or equal in color as indicated on drawings having a nominal total thickness of 1/8 in. (3.2 mm), 12 in. x 12 in. (305 mm x 305 mm), composed of polyvinyl chloride resin binder, plasticizers, fillers, pigment, and grit. Tile shall have a nominal 0.020 in. (0.51 mm) thick pattern layer containing aluminum oxide grit. Vinyl composition tile shall meet size, thickness, indentation, impact, deflection, dimensional stability, resistance to chemicals, squareness, and resistance to heat requirements of ASTM F 1066.
2.02 ADHESAVIES
A. For Tile Installation System, Full Spread: Provide Resilient Tile Commercial Epoxy Adhesive under the tile and Wall Base Adhesive at the wall base as recommended by the flooring manufacturer.
B. For Tile High-Moisture Installation Warranty, Full Spread: Provide Resilient Tile Adhesive under the tile and Wall Base Adhesive at the wall base as recommended by the flooring manufacturer.
2.03 ACCESSORIES
A. For patching, smoothing, and leveling monolithic subfloors (concrete, terrazzo, quarry tile, ceramic tile, and certain metals), provide Fast-Setting Cement-Based Patch and Underlayment.
B. For sealing joints between the top of wall base or integral cove cap and irregular wall surfaces such as masonry, provide plastic filler applied according to the manufacturer's recommendations.
C. Provide transition/reducing strips tapered to meet abutting materials.
D. Provide threshold of thickness and width as shown on the drawings.
E. Provide resilient edge strips of width shown on the drawings, of equal gauge to the flooring, homogeneous vinyl or rubber composition, tapered or bullnose edge, with color to match or contrast with the flooring, or as selected by the Architect from standard colors available.
F. Provide metal edge strips of width shown on the drawings and of required thickness to protect exposed edges of the flooring. Provide units of maximum available length to minimize the number of joints. Use butt-type metal edge strips for concealed anchorage, or overlap-type metal edge strips for exposed anchorage. Unless otherwise shown, provide strips made of extruded aluminum with a mill finish.
PART 3 EXECUTION
3.01 PREPERATION
A. Smooth concrete surfaces, removing rough areas, projections, ridges, and bumps, and filling low spots, control or construction joints, and other defects as recommended by the flooring manufacturer.
B. Remove paint, varnish, oils, release agents, sealers, and waxes. Remove residual adhesives as recommended by the flooring manufacturer. Remove curing and hardening compounds not compatible with the adhesives used, as indicated by a bond test or by the compound manufacturer's recommendations for flooring. Avoid organic solvents.
C. For Tile Installation System, Full Spread perform subfloor moisture testing in accordance with ASTM F 2170, "Standard Test Method for Determining Relative Humidity in Concrete Slabs Using in-situ Probesand Bond Tests to determine if surfaces are dry; free of curing and hardening compounds, old adhesive, and other coatings; and ready to receive flooring. Do not proceed with flooring installation until results of moisture tests are acceptable. All test results shall be documented and retained.
D. Perform pH tests on concrete floors regardless of their age or grade level. All test results shall be documented and retained.
E. Vacuum or broom-clean surfaces to be covered immediately before the application of flooring. Make subfloor free from dust, dirt, grease, and all foreign materials.
3.02 INSTALLATION
A. Install flooring wall to wall before the installation of floor-set cabinets, casework, furniture, equipment, movable partitions, etc. Extend flooring into toe spaces, door recesses, closets, and similar openings as shown on the drawings.
B. If required, install flooring on pan-type floor access covers. Maintain continuity of color and pattern within pieces of flooring installed on these covers. Adhere flooring to the subfloor around covers and to covers.
C. Scribe, cut, and fit to permanent fixtures, columns, walls, partitions, pipes, outlets, and built-in furniture and cabinets.
D. Install flooring with adhesives, tools, and procedures in strict accordance with the manufacturer's written instructions. Observe the recommended adhesive trowel notching, open times, and working times.

END OF SECTION

SECTION 09 9100 - PAINTS
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Texturing of gypsum board.
B. Surface preparation and field application of paints.
1.02 REFERENCE STANDARDS
A. ASTM International (ASTM).
1. D4442 - Standard Test Method for Direct Moisture Content Measurement of Wood and Wood-Base Materials.
2. D6886 - Standard Test Method for Speciation of the Volatile Organic Compounds (VOCs) in Low VOC Content Waterborne Air-Dry Coatings by Gas Chromatograpy..
B. Green Seal, Inc. (GS) (www.greenseal.org) 11 - Standard for Paints and Coatings.
C. Master Painters Institute (MPI) - Architectural Painting Specification Manual.
D. Society for Protective Coatings (SSPC) - Painting Manual.
1.03 SUBMITTALS
A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
B. Submittals for Review:
1. Product Data: Manufacturer's data on materials proposed for use including:
a. Product designation and grade.
b. Product analysis and performance characteristics.
c. Standards compliance.
d. Material content.
e. Mixing and application procedures.
2. Samples:
a. 3 x 6 inch samples of each coating system on representative substrate. Step back successive coats so that all coats remain exposed. Indicate type of material used for each coat.
b. 12 x 12 inch texture samples on gypsum board backing.
3. Paint Schedule: Indicate types and locations of each surface, paint materials, and number of coats to be applied.
1.04 QUALITY ASSURANCE
A. Applicator Qualifications: Company specializing in the application of products specified in this section with minimum five years of documented experience.
B. Materials, Preparation, and Workmanship: Conform to MPI Painting Manual.
1.05 PROJECT CONDITIONS
A. Do not apply materials when surface and ambient temperatures or relative humidity are outside ranges required by paint manufacturer.
B. Maintain ambient and substrate temperatures above manufacturer's minimum requirements for 24 hours before, during. and after paint application.
C. Do not apply materials when relative humidity is above 85 percent or when dew point is less than 5 degrees F different than ambient or surface temperature.
PART 2 PRODUCTS
2.01 MANUFACTURERS
A. Acceptable Manufacturers (As noted in the FF&E Booklet):
1. Benjamin Moore and Co. (www.benjaminmoore.com)
2. Sherwin Williams. (www.sherwin-williams.com)
3. PPG Architectural Finishes, Inc. (www.pittsburghpaints.com)
2.02 MATERIALS
A. Paint
1. As scheduled in the FF&E Booklet.
2. Free from all forms of lead and mercury.
B. Maximum Volatile Organic Compound (VOC) Content for interior paints, coatings, and accessories: In accordance with GS-11 and SCAQMD 1113.

2.03 ACCESSORIES
A. Accessory Materials: Paint thinners and other materials required to achieve specified finishes; commercial quality.
B. Patching Materials: Latex filler.
C. Fastener Head Cover Materials: Latex filler.
2.04 MIXES
A. Deliver paints pre-mixed and pre-tinted.
B. Uniformly mix to thoroughly disperse pigments.
C. Do not thin in excess of manufacturer's recommendations.
D. Re-mix paint during application; ensure complete dispersion of settled pigment and uniformity of color and gloss.
PART 3 EXECUTION
3.01 EXAMINATION
A. Test shop applied primer for compatibility with subsequent coatings..
B. Measure moisture content of surfaces using electronic moisture meter. Do not apply coatings unless moisture content of surfaces are below maximum.
3.02 PREPARATION
A. General:
1. Protect adjacent and underlying surfaces.
2. Remove electrical plates, hardware, light fixture trim, escutcheons, and fittings prior to preparing surfaces or finishing.
3. Correct defects and clean surfaces capable of affecting work of this section.
4. Seal marks that may bleed through surface finishes with shellac.
B. Gypsum Board:
1. Fill minor defects with filler compound. Spot prime defects after repair.
2. Finish wall to a smooth Level 5 drywall finish prior to painting.
C. Concrete:
1. Remove dirt, loose mortar, scale, salt and alkali powder, and other foreign matter.
2. Remove oil and grease with solution of trisodium phosphate; rinse and allow to dry
3. Remove stains caused by weathering of corroding metals with solution of sodium metasilicate after thoroughly wetting with water. Allow to dry.
D. Shop Primed Ferrous Metals:
1. SSPC Method SP2 - Hand Tool Cleaning or Method SP3 - Power Tool Cleaning.
2. Feather edges to make patches inconspicuous.
3. Prime bare steel surfaces.
E. Interior Wood:
1. Wipe off dust and grit.
2. Seal knots, pitch streaks, and sappy sections with sealer.
3. Fill nail holes and cracks after primer has dried; sand between coats.
3.03 APPLICATION
A. Apply paints in accordance with manufacturer's instructions and MPI Painting Manual, Custom Grade finish requirements
B. Apply primer or first coat closely following surface preparation to prevent recontamination.
C. Do not apply finishes to surfaces that are not dry.
D. Apply coatings to minimum dry film thickness recommended by manufacturer.
E. Apply each coat of paint slightly darker than preceding coat unless specified otherwise.
F. Apply coatings to uniform appearance without laps, sags, curtains, holidays, and brush marks.
G. Allow applied coats to dry before next coat is applied.
H. When required on deep and bright colors apply an additional finish coat to ensure color consistency.
I. Continue paint finishes behind wall-mounted accessories.
J. Sand between coats on interior wood and metal surfaces.
K. Match final coat to approved color samples.
L. Where clear finishes are specified, tint fillers to match wood. Work fillers into grain before set. Wipe excess from surface.
M. Prime concealed surfaces of interior wood in contact with masonry or cementitious materials with one coat primer paint.
N. Mechanical and Electrical Components:
1. Paint factory primed equipment.
2. Remove unfinished and primed louvers, grilles, covers, and access panels; paint separately.
3. Paint exposed and insulated pipes, conduit, boxes, ducts, hangers, brackets, collars, and supports unless factory finished.
4. Do not paint name tags or identifying markings.
5. Paint exposed conduit and electrical equipment in finished areas.
6. Paint duct work behind louvers, grills, and diffusers flat black to minimum of 18 inches or beyond sight line.
O. Do not Paint:
1. Surfaces indicated on Drawings or specified to be unpainted or unfinished.
2. Surfaces with factory applied finish coat or integral finish.
3. Architectural metals, including brass, bronze, stainless steel, and chrome plating.
3.03PAINT SCHEDULE
A. See FF&E Booklet.

END OF SECTION

SECTION 09 9643 - FIRE RETARDANT COATINGS
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Fire retardant coatings / sprays and fire retardant wood treatment including: Interior fire retardant coating for unfinished wood (FlameEx PF).
1.02 RELATED SECTIONS
A. Finish Carpentry.
B. Custom Cabinets
C. Wood Doors
1.03 REFERENCE STANDARDS
A. National Fire Protection Association (NFPA):
1. NFPA 255 - Standard Method of Test of Surface Burning Characteristics of Building Materials.
2. NFPA 703 - Standard for Fire Retardant Impregnated Wood and Fire Retardant Coatings for Building Materials.
B. Underwriters Laboratory (UL):
1. UL 723 - Standard Test for Surface Burning Characteristics of Building Materials
1.04 SUBMITTALS
A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
B. Submittals for Review:
1. Product Data: Manufacturer's data on materials proposed for use including:
a. Submit manufacturer's technical information indicating product performance characteristics, sustainable design information, limitations, application instructions, and warranty requirements. Product analysis and performance characteristics.
b. Submit Material Safety Data Sheets (MSDS) including Volatile Organic Compounds (VOC).
2. Test Reports: Submit published listings and test results for each product to be installed.
3. Certificates: Submit manufacturer certificates for each type of fire retardant coating or spray, signed by the manufacturer, certifying that materials and substrate conditions comply with specified performance characteristics and physical properties.
1.05 QUALITY ASSURANCE
A. Applicator Qualifications: Certified by the manufacturer.
B. Single Source Responsibility: Products shall be manufactured as a complete system from a single manufacturer, applied to substrates and finished in accordance with manufacturer's instructions and limitations.
C. Compatibility and Adhesion Testing:
1. Where substrates and adjacent materials are not explicitly addressed in manufacturer's installation instructions, test for bond in accordance with UL Fire Resistance Directory for coating materials.
2. Verify that manufacturer has not found substrate materials, primers or adjacent coatings to be incompatible.
1.06 PROJECT CONDITIONS
A. Do not apply materials when surface and ambient temperatures or relative humidity are outside ranges required by paint manufacturer.
B. Maintain ambient and substrate temperatures above manufacturer's minimum requirements for 24 hours before, during and after paint application.
PART 2 PRODUCTS
2.01 MANUFACTURERS
A. Acceptable Manufacturers
1. National Fireproofing Co. Inc. (www.natfire.com)
2.02 MATERIALS
A. FlameEx PF
1. Clear post treatment indoor fire retardant for wood, wall coverings, furniture and synthetics.
2. ASTM E84:
a. Flame Spread Index: Less than 25.
b. Smoke Developed Index: Less than 100.
3. UL 723
4. NFPA 255
5. US NFPA 701
2.03 MIXES
A. Do not dilute.
B. Application rate 125 SF/gallon for Class A or 200 SF/Gallon for Class B.
PART 3 EXECUTION
3.01 EXAMINATION
A. Test application for compatibility with subsequent coatings.
B. Measure moisture content of surfaces using electronic moisture meter. Do not apply coatings unless moisture content of surfaces are below maximum.
3.02 PREPARATION
A. General:
1. Clean and prepare substrates in accordance with manufacturer's instructions.
2. Protect adjacent construction from overspray or unintended installation.
3. Correct defects and clean surfaces capable of affecting work of this section.
3.03 APPLICATION
A. Apply paints in accordance with manufacturer's instructions including substrate temperatures and relative humidity, to achieve recommended thickness and application rates to cover substrates with a monolithic coating of uniform density and texture.
B. Agitate product before and throughout application.
C. Spray with hand-pump sprayer, high volume low-pressure system, roller or brush. Ensure manufacturer's dye (optional) is visible in completed areas.
D. Drying time from 8 to 32 hours depending on temperature and humidity.
E. Do not install enclosing or concealing construction until after fire retardant products have been installed, inspected, and corrections have been made to deficient applications.
F. Patch damage caused by testing or other trades before enclosing, or if exposed, before final inspection.
3.03 FIELD QUALITY CONTROL
A. Where field-testing is required, observe and test in accordance with the manufacturer's instructions utilizing an independent testing agency acceptable to the local building authority, if required.
3.04CLEANING
A. Clean in accordance with the manufacturer's instructions, typically soap and water.
B. Immediately remove fire retardant materials from other surfaces immediately after application.
C. Remove all debris from the project site in accordance with the Owner's construction waste management requirements.

END OF SECTION

SECTION 10 5200 - FIRE CABINETS AND EXTINGUISHERS
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Fire Extinguishers
B. Cabinets
1.02 SUBMITTALS FOR REVIEW
A. Shop Drawings: Indicate sizes for cabinet and extinguishers, details of supports and installation, adjacent construction and finish trim.
B. Product Data: Conforming to NFPA 10 requirements for portable fire extinguishers and ASTM E814-83 for fire resistive wall performance where necessary.
C. Maintenance data including recommended cleaning methods, cleaning materials, and stain removal methods.
1.03 FIELD MEASUREMENTS
A. Verify that field measurements are as indicated.
PART 2 PRODUCTS
2.01 ACCEPTABLE MANUFACTURERS
A. Provide fire extinguishers, cabinets, accessories manufactured by J.L. Industries, Inc., 4450 West 78th Street Circle, Bloomington, MN 55435, (952) 835-6850, Fax: (952) 835-2218.
2.02 FIRE EXTINGUISHERS
A. Water Type: J. L. Industries Grenadier P
B. Dry Chemical Type: J. L. Industries Cosmic or Galaxy Series
C. Carbon Dioxide Type: J. L. Industries Sentinel Series.
2.03 FIRE EXTINGUISHER CABINETS
A. Where indicated on drawings, provide J.L's1535 Series, model number 1535G Stainless Steel Tub #4 Satin Finish Flat Trim. Door and trim to be fabricated from stainless steel.
PART 3 EXECUTION
3.01 INSTALLATION
A. Prepare recesses in walls for fire extinguisher cabinets as required by type and size of cabinet and style of trim and to comply with manufacturers instructions.
B. Install items included in this section in locations and at mounting heights indicated, or if not indicated, at heights to comply with applicable regulations of governing authorities.
C. Securely fasten mounting brackets and fire extinguisher cabinets to structure, square and plumb, to comply with manufacturer's instructions.
D. Provide extinguishers in cabinets - assure extinguishers are appropriately sized to fit in cabinets.

END OF SECTION

THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, INTERIOR DESIGN, FOOD SERVICE, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL DRAWINGS AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

THIS DRAWING SHOULD ALSO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL MASTER SPECIFICATION, FOOD SERVICE SPECIFICATION AND ENVIRONMENTAL GRAPHICS SPECIFICATION AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

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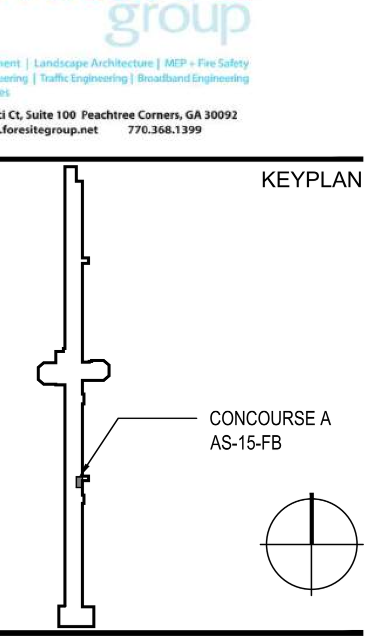
KEYPLAN



DATE	ISSUE	REVISION
2025.07.10	30% CLIENT REVIEW	
2025.08.15	30% AIRPORT REVIEW	
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.03.24	100% AIRPORT REVIEW	

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ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
SPECIFICATIONS

SHEET NUMBER

A 2.1

PROJECT NUMBER 1808

CHAPTER 3: BUILDING BLOCKS

302 Floor or Ground Surfaces

302.2 Carpet. Carpet or carpet tile shall be securely attached and shall have a firm cushion, pad, or backing or no cushion or pad. Carpet or carpet tile shall have a level loop, textured loop, level cut pile, or level cut/uncut pile texture.

Pile height shall be 1/2 inch (13 mm) maximum. Exposed edges of carpet shall be fastened to floor surfaces and shall have trim on the entire length of the exposed exposed edge. Carpet edge trim shall comply with 303.

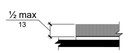


Figure 302.2 Carpet Pile Height

302.3 Openings. Openings in floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.

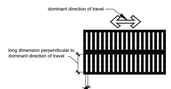


Figure 302.3 Elongated Openings in Floor or Ground Surfaces

303.2 Vertical. Changes in level of 1/4 inch (6.4 mm) high maximum shall be permitted to be vertical.

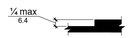


Figure 303.2 Vertical Change in Level

303.3 Beveled. Changes in level between 1/4 inch (6.4 mm) high minimum and 1/2 inch (13 mm) high maximum shall be beveled with a slope not steeper than 1:2.

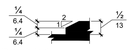


Figure 303.3 Beveled Change in Level

304 Turning Space

304.3.1 Circular Space. The turning space shall be a space of 60 inches (1525 mm) diameter minimum. The space shall be permitted to include knee and toe clearance complying with 306.

304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60 inch (1525 mm) square minimum with arms and base 36 inches (915 mm) wide minimum. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each direction and the base shall be clear of obstructions 24 inches (610 mm) minimum. The space shall be permitted to include knee and toe clearance complying with 306 only at the end of either the base or one arm.

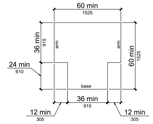


Figure 304.3.2 T-Shaped Turning Space

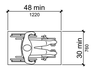


Figure 305.3 Clear Floor or Ground Space

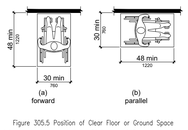


Figure 305.5 Position of Clear Floor or Ground Space

305.7.1 Forward Approach. Alcoves shall be 36 inches (915 mm)wide minimum where the depth exceeds 24 inches (610 mm).

Figure 305.7.1 Maneuvering Clearance in an Alcove, Forward Approach

305.7.2 Parallel Approach. Alcoves shall be 60 inches (1525 mm) wide minimum where the depth exceeds 15 inches (380 mm).

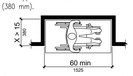


Figure 305.7.2 Maneuvering Clearance in an Alcove, Parallel Approach

306 Knee and Toe Clearance

306.2 Toe Clearance.

306.2.1 General. Space under an element between the finish floor or ground and 9 inches (230 mm) above the finish floor or ground shall be considered toe clearance and shall comply with 306.2.

306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum under an element.

306.2.3 Minimum Required Depth. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17 inches (430 mm) minimum under the element.

306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the finish floor or ground shall not be considered toe clearance.

306.2.5 Width. Toe clearance shall be 30 inches (760 mm) wide minimum.

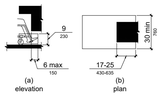


Figure 306.2 Toe Clearance

306.3 Knee Clearance.

306.3.1 General. Space under an element between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground shall be considered knee clearance and shall comply with 306.3.

306.3.2 Maximum Depth. Knee clearance shall extend 25 inches (635 mm) maximum under an element at 9 inches (230 mm) above the finish floor or ground.

306.3.3 Minimum Required Depth. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) deep minimum at 9 inches (230 mm) above the finish floor or ground, and 8 inches (205 mm) deep minimum at 27 inches (685 mm) above the finish floor or ground.

306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1 inch (25 mm) in depth for each 6 inches (150 mm) in height.

306.3.5 Width. Knee clearance shall be 30 inches (760 mm) wide minimum.

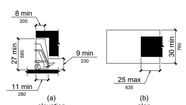


Figure 306.3 Knee Clearance

307 Protruding Objects

307.2 Protrusion Limits. Objects with leading edges more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the finish floor or ground shall protrude 4 inches (100 mm) maximum horizontally into the circulation path.

EXCEPTION: Handrails shall be permitted to protrude 4 1/2 inches (115 mm) maximum.

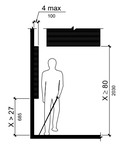


Figure 307.2 Limits of Protruding Objects

307.3 Post-Mounted Objects. Free-standing objects mounted on posts or pylons shall overhang circulation paths 12 inches (305 mm) maximum when located 27 inches (685 mm) minimum and 80 inches (2030 mm) maximum above the finish floor or ground. Where a sign or other obstruction is mounted between posts or pylons and the clear distance between the posts or pylons is greater than 12 inches (305 mm), the lowest edge of such sign or obstruction shall be 27 inches (685 mm) maximum or 80 inches (2030 mm) minimum above the finish floor or ground.

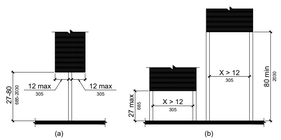


Figure 307.3 Post-Mounted Protruding Objects

307.4 Vertical Clearance. Vertical clearance shall be 80 inches (2030 mm) high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches (2030 mm) high. The leading edge of such guardrail or barrier shall be located 27 inches (685 mm) maximum above the finish floor or ground.

EXCEPTION: Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.

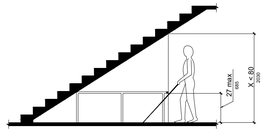


Figure 307.4 Vertical Clearance

308 Reach Ranges

Children's Reach Ranges

Forward or Side Reach	High (maximum)	Low (minimum)
Ages 3 and 4	36 in (915 mm)	20 in (510 mm)
Ages 5 through 8	40 in (1015 mm)	18 in (455 mm)
Ages 9 through 12	44 in (1120 mm)	16 in (405 mm)

308.2 Forward Reach.

308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

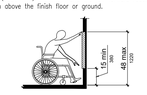


Figure 308.2.2 Obstructed High Forward Reach

308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44 inches (1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.

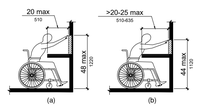
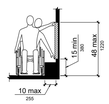


Figure 308.3.1 Unobstructed Side Reach

308.3 Side Reach.

308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the finish floor or ground.



308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

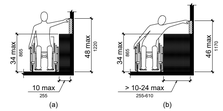


Figure 308.3.2 Obstructed High Side Reach

309 Operable Parts

309.2 Clear Floor Space. A clear floor or ground space complying with 305 shall be provided.

309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in 308.

309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.

CHAPTER 4: ACCESSIBLE ROUTES

402.2 Components. Accessible routes shall consist of one or more of the following components: walking surfaces with a running slope not steeper than 1:20, doorways, ramps, curb ramps excluding the flared sides, elevators, and platform lifts. All components of an accessible route shall comply with the applicable requirements of Chapter 4.

Advisory 402.2 Components. Walking surfaces must have running slopes not steeper than 1:20, see 403.3. Other components of accessible routes, such as ramps (405) and curb ramps (406), are permitted to be more steeply sloped.

403 Walking Surfaces

403.1 General. Walking surfaces that are a part of an accessible route shall comply with 403.

403.2 Floor or Ground Surface. Floor or ground surfaces shall comply with 302.

403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48.

403.4 Changes in Level. Changes in level shall comply with 303.

403.5 Clearances. Walking surfaces shall provide clearances complying with 403.5.

EXCEPTION: Within employee work areas, clearances on common use circulation paths shall be permitted to be decreased by work area equipment provided that the decrease is essential to the function of the work being performed.

403.5.1 Clear Width. Except as provided in 403.5.2 and 403.5.3, the clear width of walking surfaces shall be 36 inches (915 mm) minimum.

EXCEPTION: The clear width shall be permitted to be reduced to 32 inches (815 mm) minimum for a length of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments that are 48 inches (1220 mm) long minimum and 36 inches (915 mm) wide minimum.

Figure 403.5.1 Clear Width of an Accessible Route

403.5.2 Clear Width at Turn. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn.

Figure 403.5.2 Clear Width at Turn

403.5.3 Passing Spaces. An accessible route with a clear width less than 60 inches (1525 mm) shall provide passing spaces at intervals of 200 feet (61 m) maximum.

404 Doors, Doorways, and Gates

404.2.3 Clear Width. Door openings shall provide a clear width of 32 inches (815 mm) minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches (610 mm) deep shall provide a clear opening of 36 inches (915 mm) minimum. There shall be no projections into the required clear opening width lower than 34 inches (865 mm) above the finish floor or ground. Projections into the clear opening width between 34 inches (865 mm) and 80 inches (2030 mm) above the finish floor or ground shall not exceed 4 inches (100 mm).

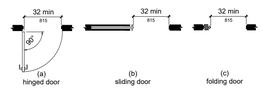
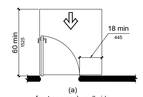
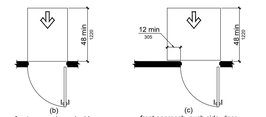
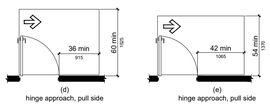


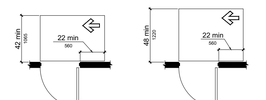
Figure 404.2.3 Clear Width of Doorways

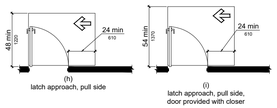
404.2.4 Maneuvering Clearances. Minimum maneuvering clearances at doors and gates shall comply with 404.2.4. Maneuvering clearances shall extend the full width of the doorway and the required latch side or hinge side clearance.











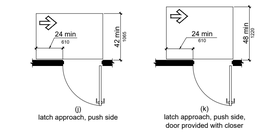


Figure 404.2.4.1 Maneuvering Clearances at Manual Swinging Doors and Gates

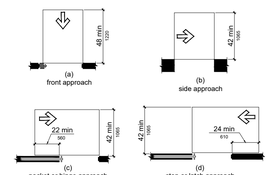


Figure 404.2.4.2 Maneuvering Clearances at Doorways Without Doors, Sliding Doors, Gates, and Folding Doors

Table 404.2.4.1 Maneuvering Clearances at Manual Swinging Doors and Gates

Type of Use		Minimum Maneuvering Clearance	
Approach Direction	Door or Gate Side	Perpendicular to Doorway	Parallel to Doorway (beyond latch side unless noted)
From front	Pull	60 inches	18 inches
From front	Push	48 inches	0 inches (1)
From hinge side	Pull	60 inches	36 inches
From hinge side	Pull	54 inches	42 inches
From hinge side	Push	42 inches (2)	22 inches (3)
From latch side	Pull	48 inches (4)	24 inches
From latch side	Push	42 inches (4)	24 inches

(1) Add 12 inches if closer and latch are provided
(2) Add 6 inches if closer and latch are provided
(3) Beyond hinge side
(4) Add 6 inches if closer is provided

404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches (455 mm) of the latch side of a doorway projects more than 8 inches (205 mm) beyond the face of the door, measured perpendicular to the face of the door or gate.

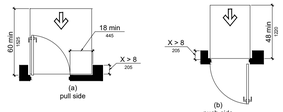


Figure 404.2.4.3 Maneuvering Clearances at Recessed Doors and Gates

404.2.6 Doors in Series and Gates in Series. The distance between two hinged or pivoted doors in series and gates in series shall be 48 inches (1220 mm) minimum plus the width of doors or gates swinging into the space.

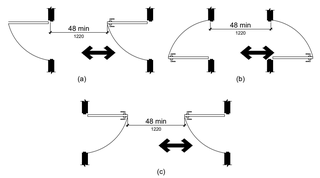


Figure 404.2.6 Doors in Series and Gates in Series

404.2.7 Door and Gate Hardware. Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with 309.4. Operable parts of such hardware shall be 34 inches (865 mm) minimum and 48 inches (1220 mm) maximum above the finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

404.2.8.1 Door Closers and Gate Closers. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.

404.2.8.2 Spring Hinges. Door and gate spring hinges shall be adjusted so that from the open position of 70 degrees, the door or gate shall move to the closed position in 1.5 seconds minimum.

404.2.9 Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:

1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.

2. Sliding or folding doors: 5 pounds (22.2 N) maximum.

These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches (255 mm) of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be capped.

404.2.11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one glazed panel located 43 inches (1090 mm) maximum above the finish floor.

404.3 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.3. Full-powered automatic doors shall comply with ANSI/BHMA A156.10 (incorporated by reference, see "Referenced Standards" in Chapter 1). Low-energy and power-assisted doors shall comply with ANSI/BHMA A156.19 (1997 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).

404.3.2 Maneuvering Clearance. Clearances at power-assisted doors and gates shall comply with 404.2.4. Clearances at automatic doors and gates without standby power and serving an accessible means of egress shall comply with 404.2.4.

404.3.7 Revolving Doors, Revolving Gates, and Turnstiles. Revolving doors, revolving gates, and turnstiles shall not be part of an accessible route.

CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES

702 Fire Alarm Systems

702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (1999 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1), except that the maximum allowable sound level of audible notification appliances complying with section 4-3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with sections 4-3 and 4-4 of NFPA 72 (1999 edition) or sections 7.4 and 7.5 of NFPA 72 (2002 edition).

703 Signs

703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

703.2.2 Case. Characters shall be uppercase.

703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

Figure 703.2.5 Height of Raised Characters

703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

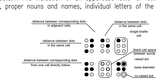


Figure 703.3.1 Braille Measurement

703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.

Figure 703.3.2 Position of Braille

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

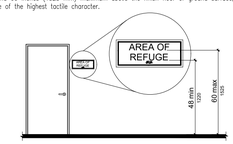


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

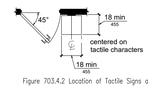


Figure 703.4.2 Location of Tactile Signs at Doors

703.5 Visual Characters. Visual characters shall comply with 703.5.

703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.

703.6 Pictograms. Pictograms shall comply with 703.6.

703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

Figure 703.6.1 Pictogram Field dark-on-light.

703.6.2 Finish and Contrast. Pictograms and their field shall have a non-glare finish. Pictograms shall contrast with their field with either a light pictogram on a dark field or a dark pictogram on a light field.

703.6.3 Text Descriptors. Pictograms shall have text descriptors located directly below the pictogram field. Text descriptors shall comply with 703.2, 703.3 and 703.4.

703.7 Symbols of Accessibility. Symbols of accessibility shall comply with 703.7.

703.7.1 Finish and Contrast. Symbols of accessibility and their background shall have a non-glare finish. Symbols of accessibility shall contrast with their background with either a light symbol on a dark background or a dark symbol on a light background.

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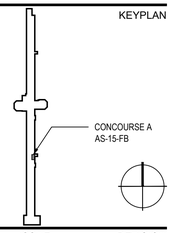

DATE	ISSUE	REVISION
2025.07.10	30% CLIENT REVIEW	
2025.08.15	30% AIRPORT REVIEW	
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
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ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
ACCESSIBILITY
REQUIREMENTS

SHEET NUMBER

A 3.0

PROJECT NUMBER 1808

smart

407 Elevators

407.1 General. Elevators shall comply with 407 and with ASME A17.1 (incorporated by reference, see "Referenced Standards" in Chapter 1). They shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic.
EXCEPTION: Existing conditions don't have to comply

407.2.1.2 Size. Call buttons shall be 3/4 inch (19 mm) minimum in the smallest dimension.

407.2.2.1 Visible and Audible Signals. A visible and audible signal shall be provided at each hoistway entrance to indicate which car is answering a call and the car's direction of travel. Where in-car signals are provided, they shall be visible from the floor area adjacent to the hall call buttons.

407.2.2.2 Visible Signals. Visible signal fixtures shall be centered at 72 inches (1830 mm) minimum above the finish floor or ground. The visible signal elements shall be 2 1/2 inches (64 mm) minimum measured along the vertical centerline of the element. Signals shall be visible from the floor area adjacent to the hall call button.

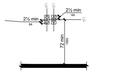


Figure 407.2.2.2 Visible Hall Signals

407.2.3.1 Floor Designation. Floor designations complying with 703.2 and 703.4.1 shall be provided on both jambs of elevator hoistway entrances. Floor designations shall be provided in both tactile characters and braille. Tactile characters shall be 2 inches (51 mm) high minimum. A tactile star shall be provided on both jambs at the main entry level.

Figure 407.2.3.1 Floor Designations on Jambs of Elevator Hoistway Entrances

407.2.3.2 Car Designations. Destination-oriented elevators shall provide tactile car identification complying with 703.2 on both jambs of the hoistway immediately below the floor designation. Car designations shall be provided in both tactile characters and braille. Tactile characters shall be 2 inches (51 mm) high minimum.

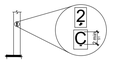


Figure 407.2.3.2 Car Designations on Jambs of Destination-Oriented Elevator Hoistway Entrances

407.3.3.1 Height. The device shall be activated by sensing an obstruction passing through the opening at 5 inches (125 mm) nominal and 29 inches (735 mm) nominal above the finish floor.

407.3.3.3 Duration. Door reopening devices shall remain effective for 20 seconds minimum.

407.3.4 Door and Signal Timing. The minimum acceptable time from notification that a car is answering a call or notification of the car assigned at the means for the entry of destination information until the doors of that car start to close shall be calculated from the following equation:

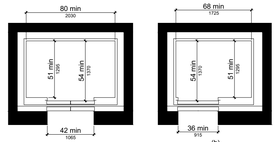
T = D/(1.5 ft/s) or T = D/(455 mm/s) + 5 seconds minimum where T equals the total time in seconds and D equals the distance (in feet or millimeters) from the point in the lobby or corridor 60 inches (1525 mm) directly in front of the farthest call button controlling that car to the centerline of its hoistway door.

407.3.5 Door Delay. Elevator doors shall remain fully open in response to a car call for 3 seconds

407.3.6 Width. The width of elevator doors shall comply with Table 407.4.1.

407.4 Elevator Car Requirements. Elevator cars shall comply with 407.4.

407.4.1 Car Dimensions. Inside dimensions of elevator cars and clear width of elevator doors shall comply with Table 407.4.1.



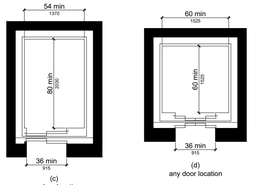


Figure 407.4.1 Elevator Car Dimensions

407.4.3 Platform to Hoistway Clearance. The clearance between the car platform sill and the edge of any hoistway landing shall be 1 1/4 inch (32 mm) maximum.

407.4.4 Leveling. Each car shall be equipped with a self-leveling feature that will automatically bring and maintain the car at floor landings within a tolerance of 1/2 inch (13 mm) under rated loading to zero loading conditions.

407.4.5 Illumination. The level of illumination at the car controls, platform, car threshold and car landing sill shall be 5 foot candles (54 lux) minimum.

407.4.6 Elevator Car Controls. Where provided, elevator car controls shall comply with 407.4.6 and 309.4.

407.4.6.1 Location. Controls shall be located within one of the reach ranges specified in 308.

407.4.6.2 Buttons. Car control buttons with floor designations shall comply with 407.4.6.2 and shall be raised or flush.

407.4.6.2.1 Size. Buttons shall be 3/4 inch (19 mm) minimum in their smallest dimension.

407.4.6.4.1 Height. Emergency control buttons shall have their centerlines 35 inches (890 mm) minimum above the finish floor.

407.4.7.1.1 Type. Control buttons shall be identified by tactile characters complying with 703.2.

407.4.7.1.3 Symbols. The control button for the emergency stop, alarm, door open, door close, main entry floor, and phone, shall be identified with tactile symbols as shown in Table 407.4.7.1.3.

407.4.8.1.1 Size. Characters shall be 1/2 inch (13 mm) high minimum.

407.4.8.2.2 Signal Level. The verbal annunciator shall be 10 dB minimum above ambient, but shall not exceed 80 dB, measured at the annunciator.

407.4.8.2.3 Frequency. The verbal annunciator shall have a frequency of 300 Hz minimum to 3000 Hz maximum.

408 Limited-Use/Limited-Application Elevators

408.1 General. Limited-use/limited-application elevators shall comply with 408 and with ASME A17.1 (incorporated by reference, see "Referenced Standards" in Chapter 1). They shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic.

408.2 Elevator Landings. Landings serving limited-use/limited-application elevators shall comply with 408.2.

408.2.1 Call Buttons. Elevator call buttons and keypads shall comply with 407.2.1.

408.2.2 Hall Signals. Hall signals shall comply with 407.2.2.

408.2.3 Hoistway Signs. Signs at elevator hoistways shall comply with 407.2.3.1.

408.3 Elevator Doors. Elevator hoistway doors shall comply with 408.3.

408.3.1 Sliding Doors. Sliding hoistway and car doors shall comply with 407.3.1 through 407.3.3 and 408.4.1.

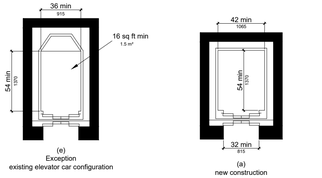
408.3.2 Swinging Doors. Swinging hoistway doors shall open and close automatically and shall comply with 404, 407.3.2 and 408.3.2.

408.3.2.1 Power Operation. Swinging doors shall be power-operated and shall comply with ANSI/BHMA A156.19 (1997 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).

408.3.2.2 Duration. Power-operated swinging doors shall remain open for 20 seconds minimum when activated.

408.4 Elevator Cars. Elevator cars shall comply with 408.4.

408.4.1 Car Dimensions and Doors. Elevator cars shall provide a clear width 42 inches (1065 mm) minimum and a clear depth 54 inches (1370 mm) minimum. Car doors shall be positioned at the narrow ends of cars and shall provide 32 inches (815 mm) minimum clear width.



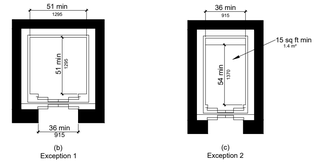


Figure 408.4.1 Limited-Use/Limited-Application (LULA) Elevator Car Dimensions

408.4.2 Floor Surfaces. Floor surfaces in elevator cars shall comply with 302 and 303.

408.4.3 Platform to Hoistway Clearance. The platform to hoistway clearance shall comply with 407.4.3.

408.4.4 Leveling. Elevator car leveling shall comply with 407.4.4.

408.4.5 Illumination. Elevator car illumination shall comply with 407.4.5.

408.4.6 Car Controls. Elevator car controls shall comply with 407.4.6. Control panels shall be centered on a side wall.

408.4.7 Designations and Indicators of Car Controls. Designations and indicators of car controls shall comply with 407.4.7.

408.4.8 Emergency Communications. Car emergency signaling devices complying with 407.4.9 shall be provided.

409 Private Residence Elevators

409.1 General. Private residence elevators that are provided within a residential dwelling unit required to provide mobility features complying with 809.2 through 809.4 shall comply with 409 and with ASME A17.1 (incorporated by reference, see "Referenced Standards" in Chapter 1). They shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic.

409.2 Call Buttons. Call buttons shall be 3/4 inch (19 mm) minimum in the smallest dimension and shall comply with 309.

409.3 Elevator Doors. Hoistway doors, car doors, and car gates shall comply with 409.3 and 404.

409.3.1 Power Operation. Elevator car and hoistway doors and gates shall be power operated and shall comply with ANSI/BHMA A156.19 (1997 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1). Power operated doors and gates shall remain open for 20 seconds minimum when activated.

409.3.2 Location. Elevator car doors or gates shall be positioned at the narrow end of the clear floor spaces required by 409.4.1.

409.4 Elevator Cars. Private residence elevator cars shall comply with 409.4.

409.4.1 Inside Dimensions of Elevator Cars. Elevator cars shall provide a clear floor space of 36 inches (915 mm) minimum by 48 inches (1220 mm) minimum and shall comply with 305.

409.4.2 Floor Surfaces. Floor surfaces in elevator cars shall comply with 302 and 303.

409.4.3 Platform to Hoistway Clearance. The clearance between the car platform and the edge of any landing sill shall be 1 1/2 inch (38 mm) maximum.

409.4.4 Leveling. Each car shall automatically stop at a floor landing within a tolerance of 1/2 inch (13 mm) under rated loading to zero loading conditions.

409.4.5 Illumination Levels. Elevator car illumination shall comply with 407.4.5.

409.4.6 Car Controls. Elevator car control buttons shall comply with 409.4.6, 309.3, 309.4, and shall be raised or flush.

409.4.6.1 Size. Control buttons shall be 3/4 inch (19 mm) minimum in their smallest dimension.

409.4.6.2 Location. Control panels shall be on a side wall, 12 inches (305 mm) minimum from any adjacent wall.

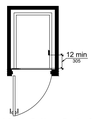


Figure 409.4.6.2 Location of Private Residence Elevator Control Panel

409.4.7.
409.4.7 Emergency Communications. Emergency two-way communication systems shall comply with

409.4.7.1 Type. A telephone and emergency signal device shall be provided in the car.

409.4.7.2 Operable Parts. The telephone and emergency signaling device shall comply with 309.3 and 309.4.

409.4.7.3 Compartment. If the telephone or device is in a closed compartment, the compartment door hardware shall comply with 309.

409.4.7.4 Cord. The telephone cord shall be 29 inches (735 mm) long minimum.

410 Platform Lifts

410.1 General. Platform lifts shall comply with ASME A18.1 (1999 edition or 2003 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1). Platform lifts shall not be attendant-operated and shall provide unassisted entry and exit from the lift.

Advisory 410.1 General. Inclined stairway chairlifts and inclined and vertical platform lifts are available for short-distance vertical transportation. Because an accessible route requires an 80 inch (2030 mm) vertical clearance, care should be taken in selecting lifts as they may not be equally suitable for use by people using wheelchairs and people standing. If a lift does not provide 80 inch (2030 mm) vertical clearance, it cannot be considered part of an accessible route in new construction.

The ADA and other Federal civil rights laws require that accessible features be maintained in working order so that they are accessible to and usable by those people they are intended to benefit. Building owners are reminded that the ASME A18 Safety Standard for Platform Lifts and Stairway Chairlifts requires routine maintenance and inspections. Isolated or temporary interruptions in service due to maintenance or repairs may be unavoidable; however, failure to take prompt action to effect repairs could constitute a violation of Federal laws and these requirements.

410.2 Floor Surfaces. Floor surfaces in platform lifts shall comply with 302 and 303.

410.3 Clear Floor Space. Clear floor space in platform lifts shall comply with 305.

410.4 Platform to Runway Clearance. The clearance between the platform sill and the edge of any runway landing shall be 1 inch (32 mm) maximum.

410.5 Operable Parts. Controls for platform lifts shall comply with 309.

410.6 Doors and Gates. Platform lifts shall have low-energy power-operated doors or gates complying with 404.3. Doors shall remain open for 20 seconds minimum. End doors and gates shall provide a clear width 32 inches (815 mm) minimum. Side doors and gates shall provide a clear width 42 inches (1065 mm) minimum.

EXCEPTION: Platform lifts serving two landings maximum and having doors or gates on opposite sides shall be permitted to have self-closing manual doors or gates.

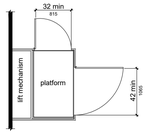


Figure 410.6 Platform Lift Doors and Gates

504 Stairways

504.1 General. Stairs that are part of the means of egress is required to comply with 504

504.2 Treads and Risers. All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Risers shall be 4 inches (100 mm) high minimum and 7 inches (180 mm) high maximum. Treads shall be 11 inches (280 mm) deep minimum.

504.3 Open Risers. Open risers are not permitted.

504.4 Tread Surface. Stair treads shall comply with 302. Changes in level are not permitted.

504.5 Nosings. The radius of curvature at the leading edge of the tread shall be 1/2 inch (13 mm) maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 1 1/2 inches (38 mm) maximum over the tread below.

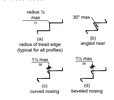


Figure 504.5 Stair Nosings

504.6 Handrails. Stairs shall have handrails complying with 505.

504.7 Wet Conditions. Stair treads and landings subject to wet conditions shall be designed to prevent the accumulation of water.

505 Handrails

505.1 General. Handrails provided along walking surfaces complying with 403, required at ramps complying with 405, and required at stairs complying with 504 shall comply with 505.

Advisory 505.1 General. Handrails are required on ramp runs with a rise greater than 6 inches (150 mm) (see 405.8) and on certain stairways (see 504). Handrails are not required on walking surfaces with running slopes less than 1:20. However, handrails are required to comply with 505 when they are provided on walking surfaces with running slopes less than 1:20 (see 403.6). Sections 505.2, 505.3, and 505.10 do not apply to handrails provided on walking surfaces with running slopes less than 1:20 as these sections only reference requirements for ramps and stairs.

505.2 Where Required. Handrails shall be provided on both sides of stairs and ramps.

505.3 Continuity. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs.

505.4 Height. Top of gripping surfaces of handrails shall be 34 inches (865 mm) minimum and 38 inches (965 mm) maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces.

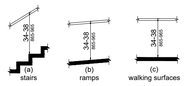


Figure 505.4 Handrail Height

505.5 Clearance. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1 1/2 inches (38 mm) minimum.

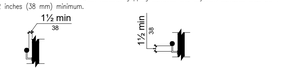


Figure 505.5 Handrail Clearance Figure 505.6 Horizontal Projections Below Gripping Surface

505.6 Gripping Surface. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20 percent of their length. Where provided, horizontal projections shall occur 1 1/2 inches (38 mm) minimum below the bottom of the handrail gripping surface.

505.7.1 Circular Cross Section. Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1 1/4 inches (32 mm) minimum and 2 inches (51 mm) maximum.

505.7.2 Non-Circular Cross Sections. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 inches (100 mm) minimum and 6 1/4 inches (160 mm) maximum, and a cross-section dimension of 2 1/4 inches (57 mm) maximum.

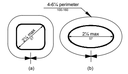


Figure 505.7.2 Handrail Non-Circular Cross Section

505.8 Surfaces. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges.

505.9 Fittings. Handrails shall not rotate within their fittings.

505.10 Handrail Extensions. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights and ramp runs in accordance with 505.10.

505.10.1 Top and Bottom Extension at Ramps. Ramp handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run.

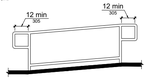


Figure 505.10.1 Top and Bottom Handrail Extension at Ramps

505.10.2 Top Extension at Stairs. At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

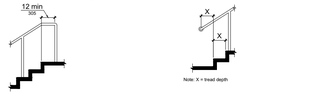


Figure 505.10.2 Top Handrail Extension at Stairs Figure 505.10.3 Bottom Handrail Extension at Stairs

505.10.3 Bottom Extension at Stairs. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

CHAPTER 6: PLUMBING ELEMENTS AND FACILITIES

602 Drinking Fountains

602.2 Clear Floor Space. Units shall have a clear floor or ground space complying with 305 positioned for a forward approach and centered on the unit. Knee and toe clearance complying with 306 shall be provided.

EXCEPTION: A parallel approach complying with 305 shall be permitted at units for children's use where the spout is 30 inches (760 mm) maximum above the finish floor or ground and is 3 1/2 inches (90 mm) maximum from the front edge of the unit, including bumpers.

602.3 Operable Parts. Operable parts shall comply with 309.

602.4 Spout Height. Spout outlets shall be 36 inches (915 mm) maximum above the finish floor or ground.

602.5 Spout Location. The spout shall be located 15 inches (380 mm) minimum from the vertical support and 5 inches (125 mm) maximum from the front edge of the unit, including bumpers.

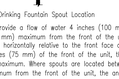


Figure 602.5 Drinking Fountain Spout Location

602.6 Water Flow. The spout shall provide a flow of water 4 inches (100 mm) high minimum and shall be located 5 inches (125 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (75 mm) of the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches (75 mm) and 5 inches (125 mm) maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum.

602.7 Drinking Fountains for Standing Persons. Spout outlets of drinking fountains for standing persons shall be 38 inches (965 mm) minimum and 43 inches (1090 mm) maximum above the finish floor or ground.

603 Toilet and Bathing Rooms

603.2 Clearances. Clearances shall comply with 603.2.

603.2.1 Turning Space. Turning space complying with 304 shall be provided within the room.

603.2.2 Overlap. Required clear floor spaces, clearance at fixtures, and turning space shall be permitted to overlap.

603.2.3 Door Swing. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors shall be permitted to swing into the required turning space.

603.3 Mirrors. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the finish floor or ground.

603.4 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

604 Water Closets and Toilet Compartments

604.2 Location. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum to 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Water closets shall be arranged for a left-hand or right-hand approach.

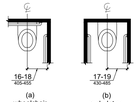


Figure 604.2 Water Closet Location

604.3.1 Size. Clearance around a water closet shall be 60 inches (1525 mm) minimum measured perpendicular from the side wall and 56 inches (1420 mm) minimum measured perpendicular from the rear wall.

Figure 604.3.1 Size of Clearance at Water Closets

604.3.2 Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance.

604.4 Seats. The seat height of a water closet above the finish floor shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

604.5 Grab Bars. Grab bars for water closets shall comply with 609. Grab bars shall be provided on the side wall closest to the water closet and on the rear wall.

604.5.1 Side Wall. The side wall grab bar shall be 42 inches (1065 mm) long minimum, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370 mm) minimum from the rear wall.

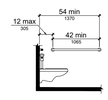


Figure 604.5.1 Side Wall Grab Bar at Water Closets

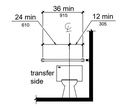


Figure 604.5.2 Rear Wall Grab Bar at Water Closets

604.5.2 Rear Wall. The rear wall grab bar shall be 36 inches (915 mm) long minimum and extend from the centerline of the water closet 12 inches (305 mm) minimum on one side and 24 inches (610 mm) minimum on the other side.

604.6 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309. Flush controls shall be located on the open side of the water closet except in ambulatory accessible compartments complying with 604.8.2.

604.7 Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the finish floor and shall not be located behind grab bars. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

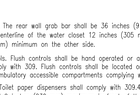


Figure 604.7 Dispenser Outlet Location

604.8 Toilet Compartments. Wheelchair accessible toilet compartments shall meet the requirements of 604.8.1 and 604.8.3. Compartments containing more than one plumbing fixture shall comply with 603. Ambulatory accessible compartments shall comply with 604.8.2 and 604.8.3.

604.8.1 Wheelchair Accessible Compartments. Wheelchair accessible compartments shall comply with 604.8.1.

604.8.1.1 Size. Wheelchair accessible compartments shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 56 inches (1420 mm) deep minimum for wall hung water closets and 59 inches (1500 mm) deep minimum for floor mounted water closets measured perpendicular to the rear wall. Wheelchair accessible compartments for children's use shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 59 inches (1500 mm) deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall.

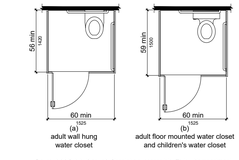


Figure 604.8.1.1 Size of Wheelchair Accessible Toilet Compartment

604.8.1.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404 except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4 inches (100 mm) maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4 inches (100 mm) maximum from the front partition. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

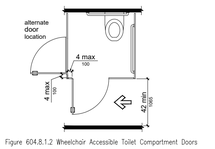


Figure 604.8.1.2 Wheelchair Accessible Toilet Compartment Doors

604.8.1.3 Approach. Compartments shall be arranged for left-hand or right-hand approach to the water closet.

604.8.1.4 Toe Clearance. The front partition and at least one side partition shall provide a toe clearance of 9 inches (230 mm) minimum above the finish floor and 6 inches (150 mm) deep minimum beyond the compartment-side face of the partition, exclusive of partition support members. Compartments for children's use shall provide a toe clearance of 12 inches (305 mm) minimum above the finish floor.

EXCEPTION: Toe clearance at the front partition is not required in a compartment greater than 62 inches (1575 mm) deep with a wall-hung water closet or 65 inches (1650 mm) deep with a floor-mounted water closet. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) wide. Toe clearance at the front partition is not required in a compartment for children's use that is greater than 65 inches (1650 mm)deep

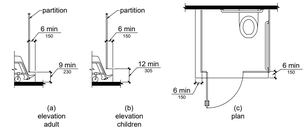


Figure 604.8.1.4 Wheelchair Accessible Toilet Compartment Toe Clearance

604.8.1.5 Grab Bars. Grab bars shall comply with 609. A side-wall grab bar complying with 604.5.1 shall be provided and shall be located on the wall closest to the water closet. In addition, a rear-wall grab bar complying with 604.5.2 shall be provided.

604.8.2 Ambulatory Accessible Compartments. Ambulatory accessible compartments shall comply with 604.8.2.

604.8.2.1 Size. Ambulatory accessible compartments shall have a depth of 60 inches (1525 mm) minimum and a width of 35 inches (890 mm) minimum and 37 inches (940 mm) maximum.

604.8.2.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404, except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and 60 inches (1525 mm) of obstruction shall be 42 inches (1065 mm) minimum. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

604.8.2.3 Grab Bars. Grab bars shall comply with 609. A side-wall grab bar complying with 604.5.1 shall be provided on both sides of the compartment.

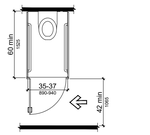


Figure 604.8.2 Ambulatory Accessible Toilet Compartment

604.8.3 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

604.9 Water Closets and Toilet Compartments for Children's Use. Water closets and toilet compartments for children's use shall comply with 604.9.

604.9.1 Location. The water closet shall be located with a wall or partition to the rear and to one side. The centerline of the water closet shall be 12 inches (305 mm) minimum and 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Compartments shall be arranged for left-hand or right-hand approach to the water closet.

604.9.2 Clearance. Clearance around a water closet shall comply with 604.3.

604.9.3 Height. The height of water closets shall be 11 inches (280 mm) minimum and 17 inches (430 mm) maximum measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

604.9.4 Grab Bars. Grab bars for water closets shall comply with 604.5.

604.9.5 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309.2 and 309.4 and shall be installed 36 inches (915 mm) maximum above the finish floor. Flush controls shall be located on the open side of the water closet except in ambulatory accessible compartments complying with 604.8.2.

604.9.6 Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 14 inches (355 mm) minimum and 19 inches (485 mm) maximum above the finish floor. There shall be a clearance of 1 1/2 inches (38 mm) minimum below the grab bar. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

604.9.7 Toilet Compartments. Toilet compartments shall comply with 604.8.

605 Urinals

605.2 Height and Depth. Urinals shall be the stall-type or the wall-hung type with the rim 17 inches (430 mm) maximum above the finish floor or ground. Urinals shall be 13 1/2 inches (345 mm) deep minimum measured from the outer face of the urinal rim to the back of the fixture.

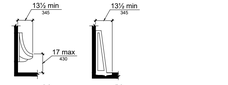


Figure 605.2 Height and Depth of Urinals

605.3 Clear Floor Space. A clear floor or ground space complying with 305 positioned for forward approach shall be provided.

605.4 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309.

606 Lavatories and Sinks

606.2 Clear Floor Space. A clear floor space complying with 305, positioned for a forward approach, and knee and toe clearance complying with 306 shall be provided.

606.3 Height. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34 inches (865 mm) maximum above the finish floor or ground.

606.4 Faucets. Controls for faucets shall comply with 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.

606.5 Exposed Pipes and Surfaces. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.

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2025.11.21	60% CLIENT REVIEW	
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CORNER CAFE
ACCESSIBILITY
REQUIREMENTS

SHEET NUMBER

A 3.1

PROJECT NUMBER	1808

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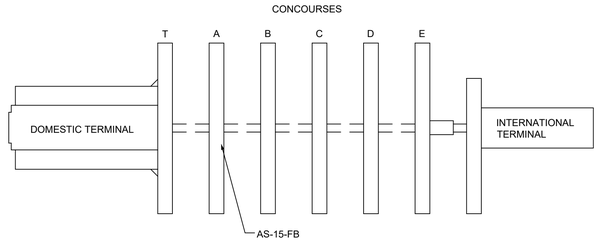
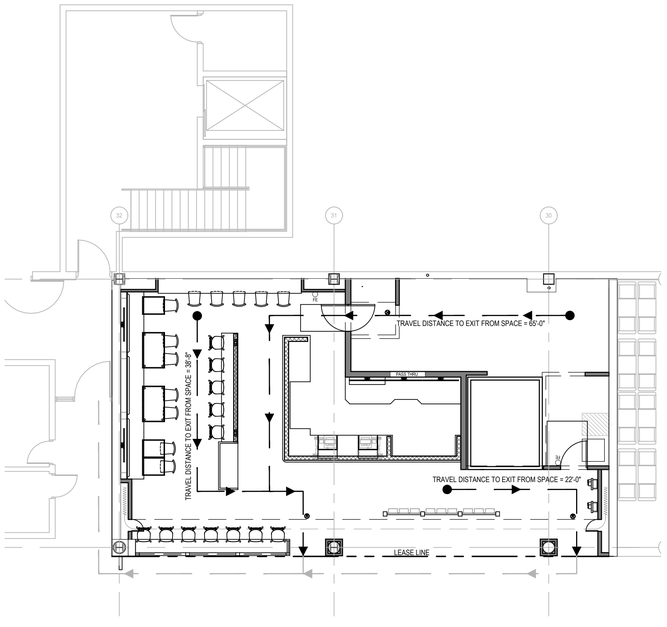
LEGEND

SYMBOL	DESCRIPTION
FE	FIRE EXTINGUISHER
	EXIT SIGNAGE



1 / A 4.0 AIRPORT PLAN
SCALE: NTS



1 / A 4.0 LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

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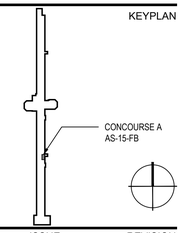

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CORNER CAFE
LIFE SAFETY PLAN

SHEET NUMBER

A 4.0

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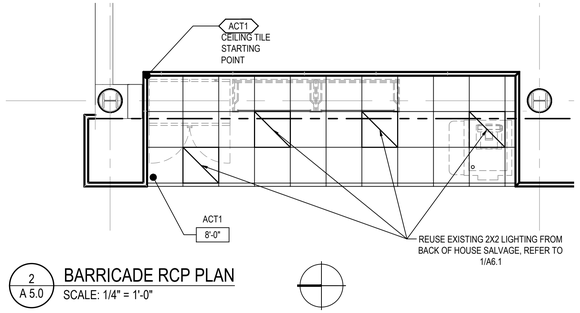
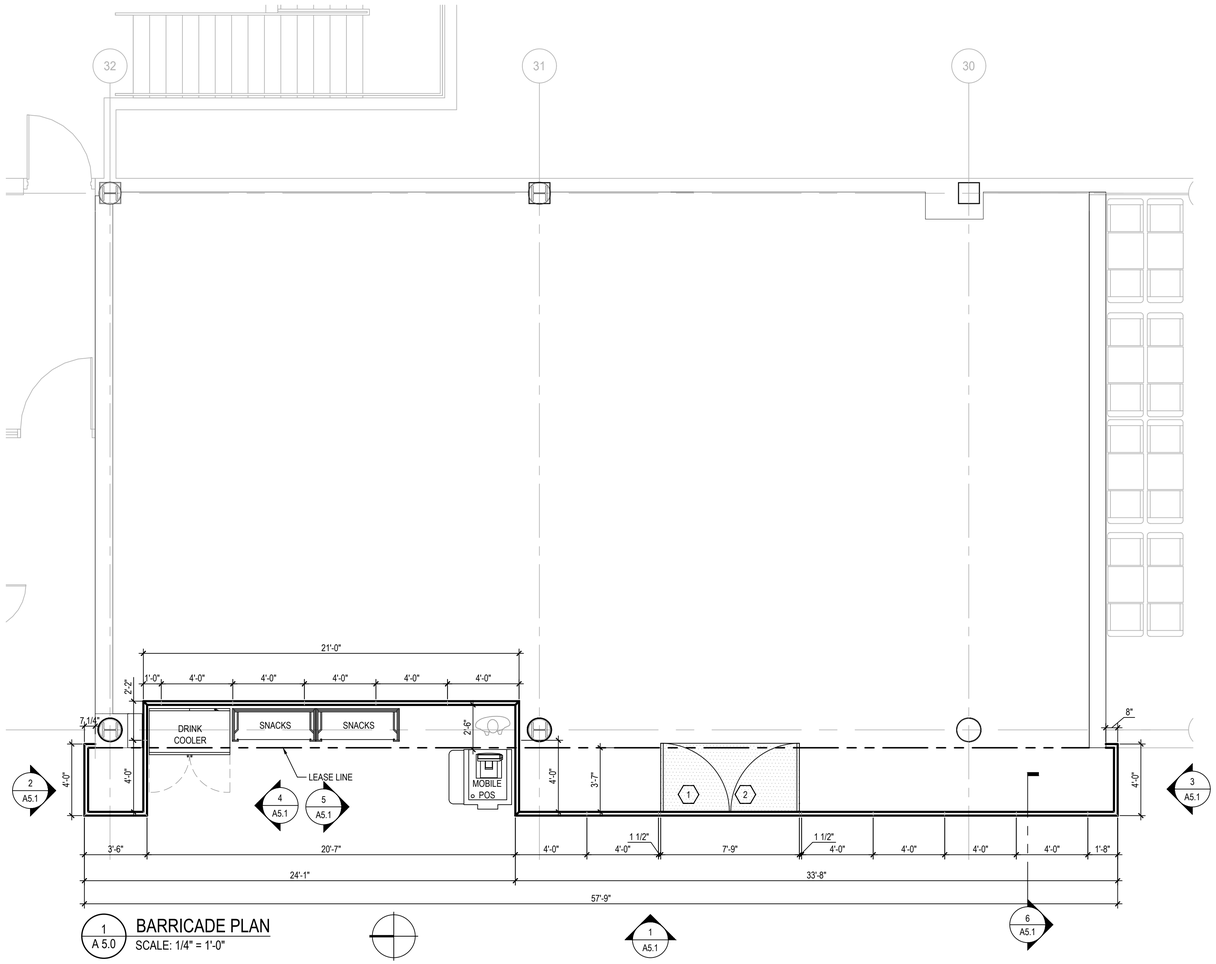


2 / A 5.0 BARRICADE RCP PLAN
SCALE: 1/4" = 1'-0"



1 / A 5.0 BARRICADE PLAN
SCALE: 1/4" = 1'-0"

KEY NOTES

NO.	DESCRIPTION
1	PROVIDE 7'-9" W X 7'-0" HOLLOW METAL DOUBLE DOOR WITH HARDWARE. LOCK TO BE SPECIFIED AND KEYED AS PER GEORGIA AVIATION DEPARTMENT SYSTEM STANDARDS. A SET OF KEYS TO BE GIVEN TO LANDLORD. NO PULL BAR SHALL BE ALLOWED. 18" STAINLESS STEEL KICKPLATE (BOTH SIDES).
2	DUST MITIGATION MAT SHALL BE LOCATED AT THE DEMO SIDE OF THE ENTRANCE.

BARRICADE CONSTRUCTION NOTES

1. BARRICADE TO BE CONSTRUCTED PER AUTHORITY HAVING JURISDICTION.
2. BARRICADE NOT TO INTERFERE WITH EXISTING AIRPORT SPRINKLER HEADS & LIGHT FIXTURES.
3. PROVIDE CARPET (BACKING SIDE UP) AT UNDERSIDE OF BARRICADE WALL AND SUPPORTS TO PREVENT SCRATCHING THE FLOOR.
4. BARRICADE DOORS ARE TO BE SIZED AS PER PLAN. DOORS TO BE HOLLOW METAL WITH 1 1/2" PAIR BUTTS, 4 X 1/4" PER DOOR, HINGES TO BE SELF CLOSING.
5. DOOR TO HAVE 1 1/2" FULL HEIGHT METAL ASTRAGAL AND TOP FRAME PIN.
6. DOOR LOCK CYLINDER TO MEET AHJ. REQUIREMENTS.
7. DOORS TO BE KEPT CLOSED AT ALL TIMES.
8. WHEN VINYL WRAP GRAPHIC IS TO BE INSTALLED, BARRICADE WALL TO BE FINISHED TO A LEVEL 5 FINISH. WALLS TO BE PAINTED AND CURED AS PER SIGNAGE CONTRACTORS GUIDELINES. GC TO COORDINATE WITH SIGNAGE CONTRACTOR.
9. WALL, DOOR AND FRAME TO BE PAINTED AND CURED AS PER SIGNAGE CONTRACTORS GUIDLELINES. GC TO COORDINATE WITH SIGNAGE CONTRACTOR.
10. ALL WORK, INCLUDING MATERIAL DELIVERY AND INSTALLATION, IS TO BE SCHEDULED WITH TENANT.
11. ALL TOOLS & EQUIPMENT REMAINING IN THE CONSTRUCTION AREA AFTER WORKING HOURS MUST BE STORED SECURELY.
12. THE GENERAL CONTRACTOR IS TO REMOVE AND LEGALLY DISPOSE OF THE BARRICADE AT THE COMPLETION OF THE CONCESSION BUILD OUT.
13. TEMPORARY CONSTRUCTION BARRIERS SHALL BE CONSTRUCTED BY GC AND APPROVED BY THE BASE BUILDING AUTHORITY/ LANDLORD.

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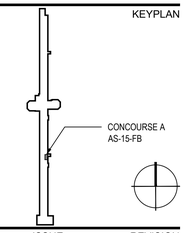

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ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
BARRICADE PLAN

SHEET NUMBER

A 5.0

PROJECT NUMBER 1808

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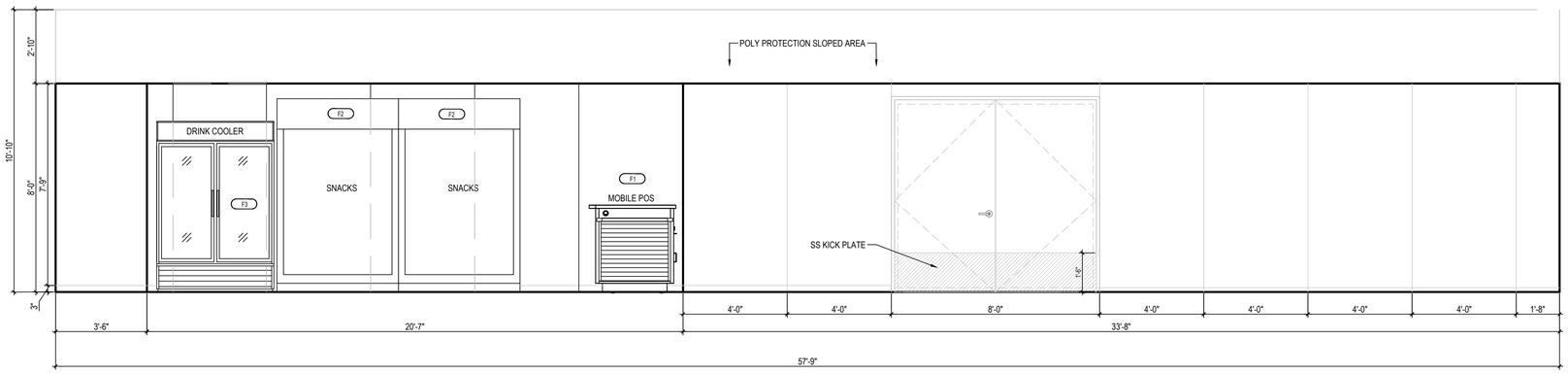
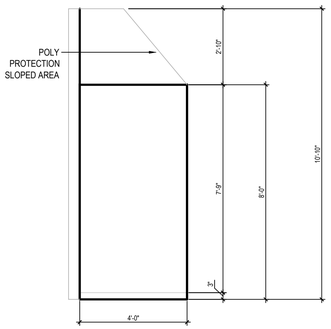
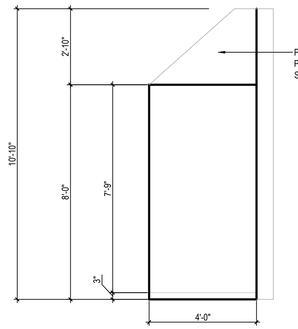


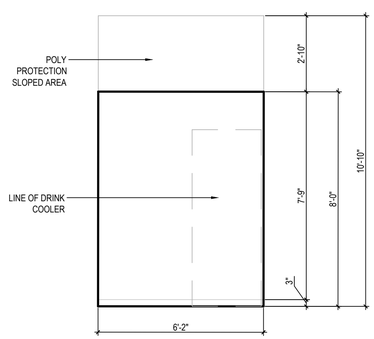
1 / A 5.1 BARRICADE WALL ELEVATION - OVERALL
SCALE: 3/8" = 1'-0"



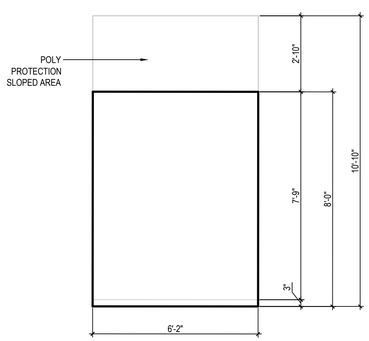
2 / A 5.1 BARRICADE WALL ELEVATION
SCALE: 3/8" = 1'-0"



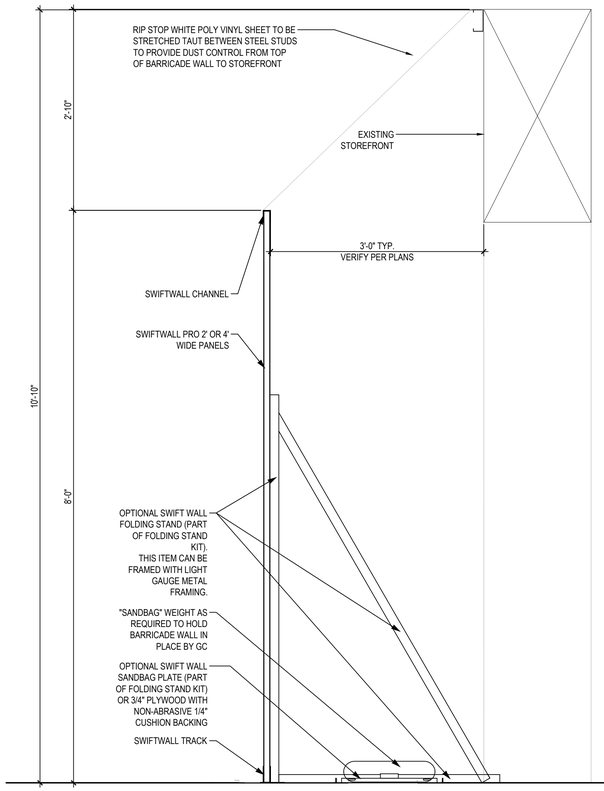
3 / A 5.1 BARRICADE WALL ELEVATION
SCALE: 3/8" = 1'-0"



4 / A 5.1 BARRICADE WALL ELEVATION
SCALE: 3/8" = 1'-0"



5 / A 5.1 BARRICADE WALL ELEVATION
SCALE: 3/8" = 1'-0"



6 / A 5.1 BARRICADE WALL SECTION
SCALE: 1-1/2" = 1'-0"

BARRICADE CONSTRUCTION NOTES

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4. BARRICADE DOORS ARE TO BE SIZED AS PER PLAN. DOORS TO BE HOLLOW METAL WITH 1 ½ PAIR BUTTS, 4 X 4½ PER DOOR, HINGES TO BE SELF CLOSING.
5. DOOR TO HAVE 1 ¾ FULL HEIGHT METAL ASTRAGAL AND TOP FRAME PIN.
6. DOOR LOCK CYLINDER TO MEET AHJ. REQUIREMENTS.
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FIXTURE SCHEDULE

NUMBER	QTY.	DESCRIPTION
F1	1	MOBILE POS - SUPPLIED BY PARADIES LAGARDERE
F2	2	SNACK WALL UNIT - BY PARADIES LAGARDERE
F3	1	DRINK COOLER - BY PARADIES LAGARDERE

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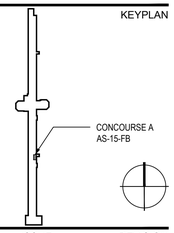
KEYPLAN



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ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
BARRICADE ELEVATIONS

SHEET NUMBER

A 5.1

PROJECT NUMBER 1808

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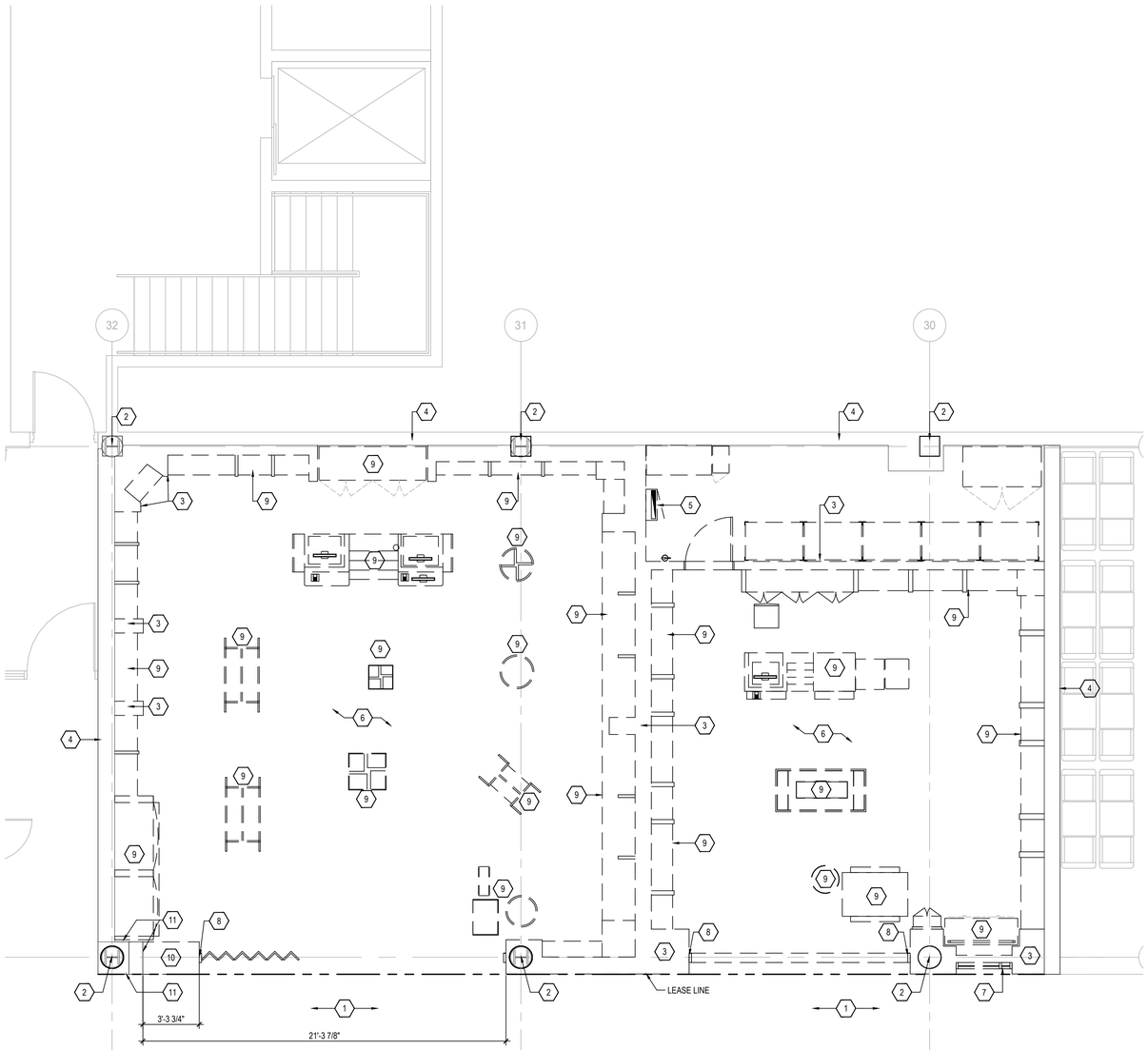

1 A 6.0 DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

KEY NOTES

NO.	DESCRIPTION
1	ALL CONCOURSE TILE TO REMAIN. PATCH AND REPAIR WHERE NECESSARY.
2	EXISTING COLUMNS TO REMAIN.
3	EXISTING PARTITION TO BE DEMOLISHED.
4	EXISTING DEMISING PARTITION TO REMAIN. REMOVE FINISHES AS REQUIRED; MAINTAIN RATING.
5	EXISTING ELECTRICAL PANEL TO BE REMOVED.
6	EXISTING TENANT FLOOR FINISHES TO BE REMOVED.
7	EXISTING STOREFRONT GLAZING GRAPHIC WALL TO BE DEMOLISHED. PROTECT ADJACENT TENANT DEMISING WALL, MAKE GOOD.
8	EXISTING CLOSURE GRILLE DOORS AND GATES TO BE DEMOLISHED.
9	REMOVE ALL EXISTING MILLWORK, FLOOR AND WALL FIXTURES.
10	PORTION OF EXISTING WALLS TO BE DEMOLISHED, MAKE GOOD. SEE A7.0 CONSTRUCTION PLAN FOR FURTHER DETAILS.
11	EXISTING WALL SURROUND AROUND AIRPORT COLUMN TO REMAIN. REMOVE EXISTING WALL FINISHES AND AIRPORT BASE.

DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	EXISTING PARTITION TO REMAIN
	PARTITION/ FIXTURE TO BE REMOVED
	DOOR TO BE REMOVED

DEMOLITION NOTES

1. DRAWINGS TO BE READ IN CONJUNCTION WITH BASE BUILDING AUTHORITY/ LANDLORD'S DEVELOPMENT GUIDELINES.
2. ALL FLOOR, WALL AND CEILING SURFACES DESIGNATED TO REMAIN SHALL BE STRIPPED OF ALL FINISHES INCLUDING REMOVAL OF ALL ADHESIVES AND FASTENERS. SURFACES TO BE CLEANED AND MADE READY FOR NEW FINISH.
3. IT IS THE INTENT OF THESE DRAWINGS THAT THE AREA SHOWN IN THE SCOPE OF WORK BE PREPARED FOR NEW RENOVATION BY SELECTIVE DEMOLITION, REMOVAL AND DISPOSAL OF ITEMS INDICATED. SOME ITEMS WILL REQUIRE CAREFUL REMOVAL, STORAGE AND INVENTORY FOR REUSE IN THE RENOVATION.
4. ALL DEMOLISHED DOORS, FRAMES AND SECURITY GRILLES ARE TO BE SAVED OR DISPOSED OF AS DIRECTED BY OWNER / TENANT.
5. CEASE OPERATIONS AND NOTIFY OWNER / TENANT IMMEDIATELY IF SAFETY OR STRUCTURE APPEARS TO BE ENDANGERED. TAKE PRECAUTIONS TO PROPERLY SUPPORT STRUCTURE. DO NOT RESUME ANY OPERATIONS UNTIL SAFETY IS RESTORED.
6. PROVIDE AND MAINTAIN TEMPORARY CONSTRUCTION BARRIER, FIRE ALARM AND EXITING LIGHTING AND GUARD RAILS TO PROTECT OCCUPANTS OF BUILDING, WORKERS AND GUESTS, AND AS REQUIRED BY A.H.J..
7. ARRANGE AND PAY FOR DISCONNECTING, REMOVING AND CAPPING UTILITY SERVICES WITHIN AREAS OF DEMOLITION. DISCONNECT AND STUB OFF. NOTIFY THE AFFECTED UTILITY COMPANY AND ON SITE OPERATIONS MANAGEMENT IN ADVANCE AND OBTAIN APPROVAL BEFORE COMMENCING WORK.
8. WHEN EXISTING HVAC SYSTEM IS TO BE REUSED INCLUDING ALL SUPPLY AND RETURN DIFFUSERS. INSPECT ALL SYSTEMS COMPONENTS AND ENSURE ALL ARE IN WORKING ORDER. REFER TO MECHANICAL DRAWINGS.
9. NOTIFY PRIME CONSULTANT IMMEDIATELY OF ANY EXISTING STRUCTURAL, MECHANICAL OR ELECTRICAL ELEMENTS - ABANDONED OR IN USE, THAT MAY AFFECT CONSTRUCTION OR PROPOSED USE OF SPACE.
10. ALL DEMOLISHED MATERIALS NOT FOR REUSE TO BE IMMEDIATELY REMOVED FROM SITE AND PROPERLY DISPOSED OF. DEMOLISH IN AN ORDERLY AND CAREFUL MANNER AS REQUIRED TO ACCOMMODATE NEW WORK, INCLUDING THAT REQUIRED FOR CONNECTION TO EXISTING BUILDING.
11. PHASE DEMOLITION IN ACCORDANCE WITH CONSTRUCTION SCHEDULE. REMOVE DEMOLISHED MATERIALS, TOOLS AND EQUIPMENTS FROM SITE UPON COMPLETION OF WORK.
12. LEAVE SITE IN CONDITION ACCEPTABLE TO THE OWNER / TENANT AND THE PRIME CONSULTANT. REPAIR ALL DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED AT NO COST TO THE OWNER.
13. ALL DEMOLITION WITHIN THIS SPACE SHOULD BE COORDINATED WITH THE ON SITE OPERATIONS MANAGEMENT SO AS NOT TO DISRUPT ONGOING OPERATIONS.
14. UPON DISCOVERY OF HAZARDOUS OR CONTAMINATED MATERIALS CONFORM TO APPLICABLE STATUTORY REQUIREMENTS AND IMMEDIATELY ADVISE THE PRIME CONSULTANT.
15. CONFORM TO ALL APPLICABLE CODES AND AUTHORITIES FOR DEMOLITION WORK, SAFETY OF STRUCTURE, SAFETY OF MATERIALS HANDLING AND DUST CONTROL. BURNING OF MATERIALS ON SITE IS NOT PERMITTED.
16. AREAS OF CONSTRUCTION SHOULD BE CORDONED OFF TO PREVENT DEBRIS AND DUST FROM MIGRATING INTO OCCUPIED AREAS.

THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, INTERIOR DESIGN, FOOD SERVICE, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL DRAWINGS AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

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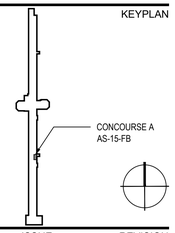
KEYPLAN



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ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
DEMOLITION PLAN

SHEET NUMBER

A 6.0

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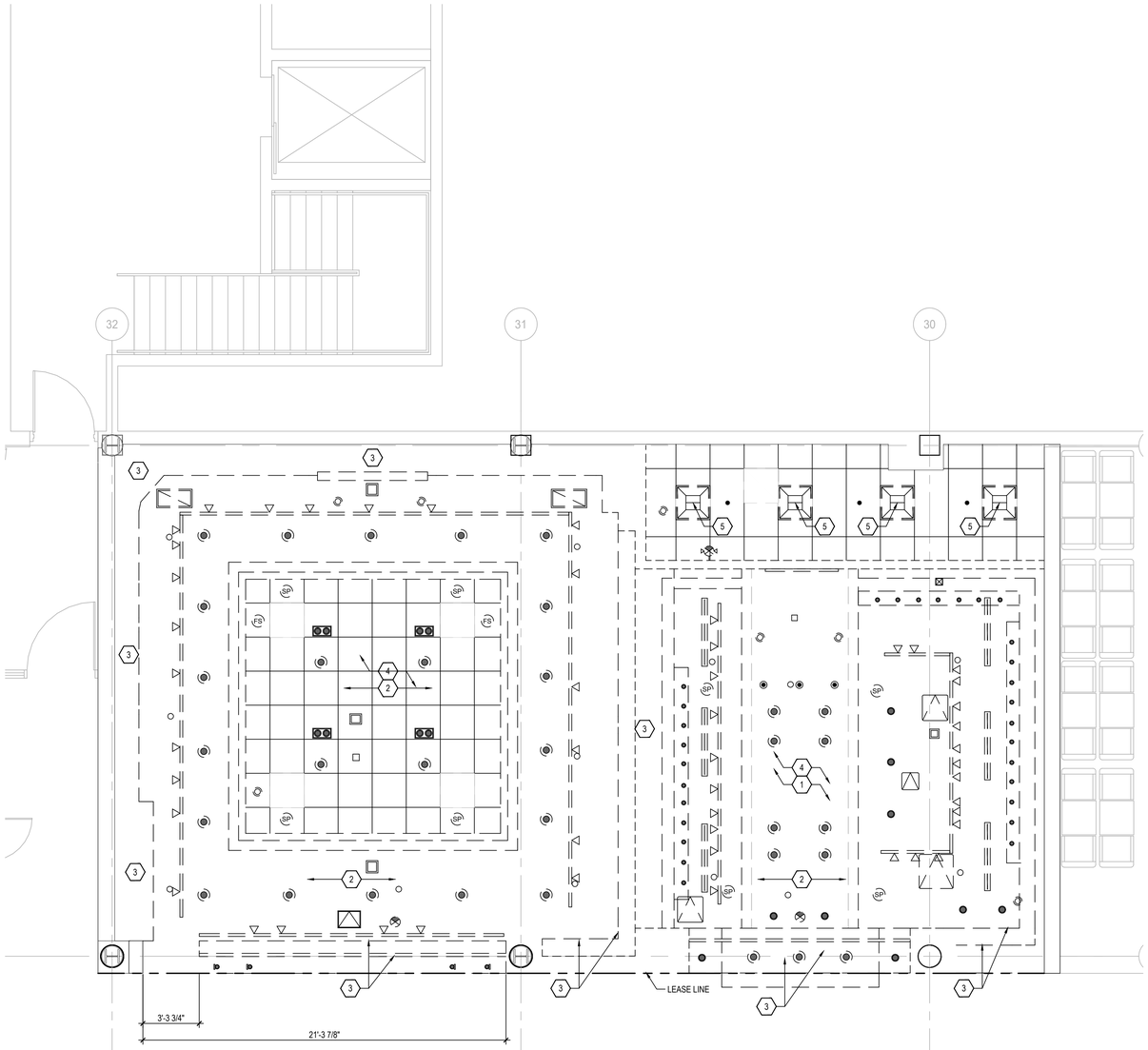
PROJECT NUMBER	1808



1 A 6.1 DEMOLITION REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

KEY NOTES

NO.	DESCRIPTION
1	EXISTING CEILING FEATURE TO BE DEMOLISHED
2	EXISTING LIGHTING TO BE DEMOLISHED
3	EXISTING INTERIOR SOFFIT TO BE DEMOLISHED
4	ALL EXISTING LIGHTING, SECURITY CAMERAS, SPEAKERS, ACCESS PANELS, EMERGENCY EXIT SIGNS, HVAC DIFFUSERS & RETURNS TO BE DEMOLISHED THROUGHOUT.
5	SALVAGE, AND REUSE LIGHTING FOR TEMPORARY BARRICADE RCP LIGHTING, REFER TO 2/A5.0 DETAILS

DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	EXISTING PARTITION TO REMAIN
	PARTITION/ FIXTURE TO BE REMOVED
	DOOR TO BE REMOVED

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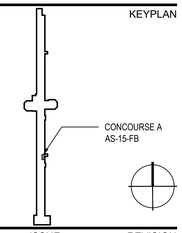
KEYPLAN



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AS-15-FB
CORNER CAFE
DEMOLITION RCP

SHEET NUMBER

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PROJECT NUMBER	1808

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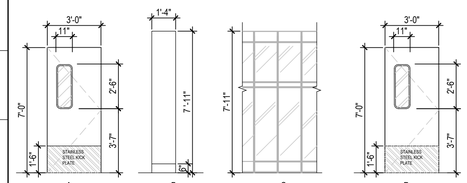
DOOR SCHEDULE

NO.	TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	HARDWARE GROUP	FIRE RATING	COMMENTS
101	A	3'-0"	7'-0"	WD CORE	PL2	HM	P1	HW1	-	ELIASON SCP-8 DOUBLE ACTING DOOR - HPL BOTH SIDES, PL2 FINISH, 18"H STAINLESS STEEL KICK PLATE BOTH SIDES. CUSTOM 11" X 30" WINDOW. STAINLESS STEEL C-CHANNEL FRAME.
102	D	3'-0"	7'-0"	HM	P3	HM	P3	HW3	-	DOOR FINISH & 18" HIGH KICK PLATE ON BOTH SIDES, CUSTOM 11" X 30" WINDOW.
103	B	1'-4"	7'-11"	PLYWD	P1	N/A	N/A	HW2	-	MW13 BY MILLWORK CONTRACTOR - DOOR TO BE PREPPED AND PRIMED TO RECEIVE LAMINATE GRAPHIC FINISH (REF ID7.6)
104	B	1'-4"	7'-11"	PLYWD	P4	N/A	N/A	HW2	-	MW12 BY MILLWORK CONTRACTOR (REF ID7.6)
105	C	27'-0" V.I.F	7'-11"	ALUM	ALUM	-	-	BY MANUF.	-	ALUMATEC: MODEL LXS (POLYCARBONATE) SIDE-FOLDING DOOR - AN EMERGENCY THUMB TURN REQUIRED THAT WILL OPEN DOOR FROM INSIDE IN THE EVENT OF AN EMERGENCY. HARDWARE PROVIDED BY MANUFACTURER
106	C	27'-0" V.I.F	7'-11"	ALUM	ALUM	-	-	BY MANUF.	-	ALUMATEC: MODEL LXS (POLYCARBONATE) SIDE-FOLDING DOOR - AN EMERGENCY THUMB TURN REQUIRED THAT WILL OPEN DOOR FROM INSIDE IN THE EVENT OF AN EMERGENCY. HARDWARE PROVIDED BY MANUFACTURER

HARDWARE GROUPS

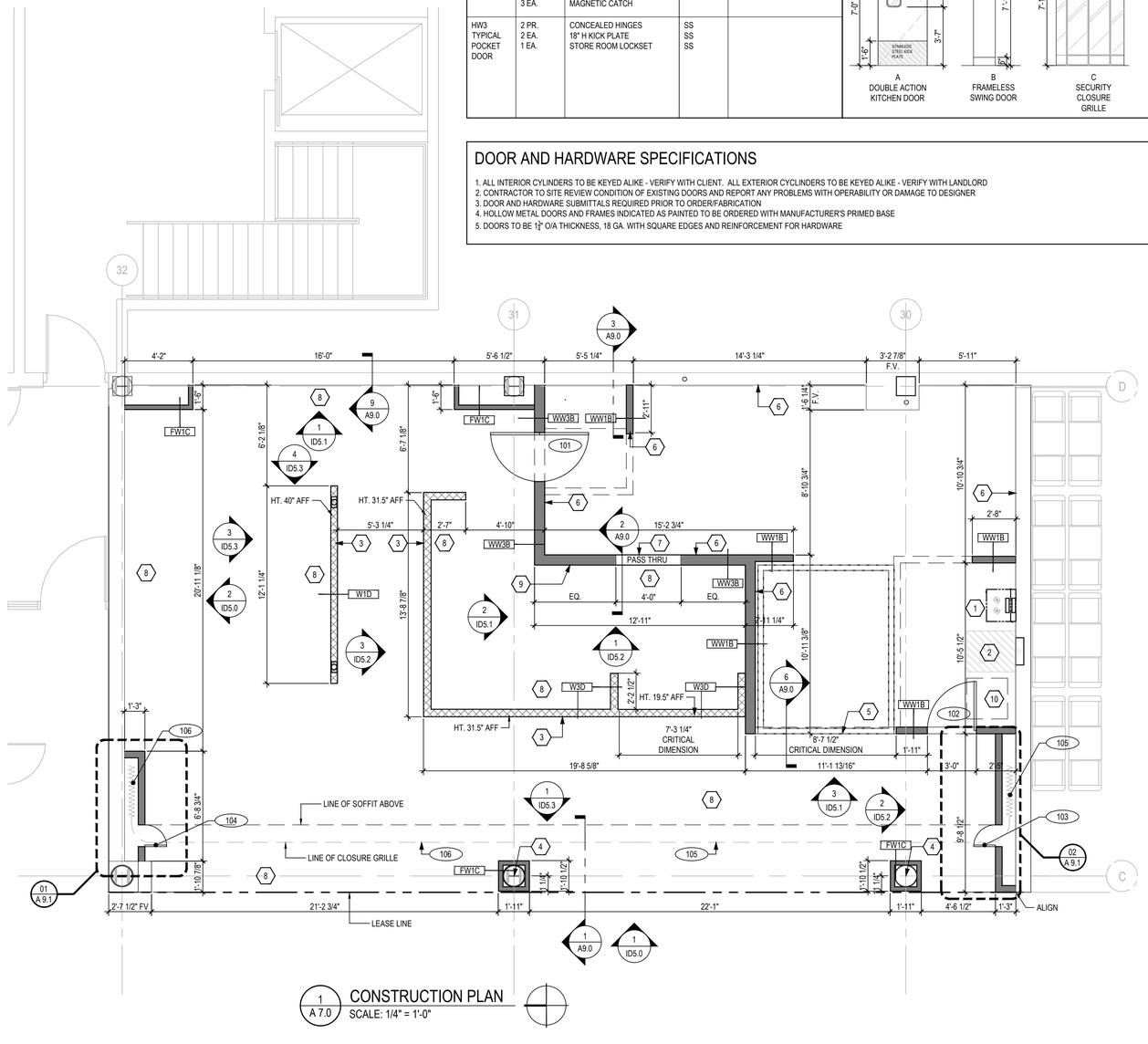
CODE	QTY.	DESCRIPTION	FINISH	MANUFACTURER
HW1 TYPICAL KITCHEN DOOR	2 PR. 2 EA. 2 EA. 1 EA.	EASY SWING HINGES 18" H KICK PLATE PUSH PLATE DOOR STOP	SS SS SS SS	ELIASON
HW2 TYPICAL POCKET DOOR	2 PR. 1 EA. 3 EA.	CONCEALED HINGES CONTEMPORARY RECESSED METAL PULL 7050 PROD. #BP7050126900 PLUS MAGNETIC CATCH	MATTE BLACK	RICHELIEU
HW3 TYPICAL POCKET DOOR	2 PR. 2 EA. 1 EA.	CONCEALED HINGES 18" H KICK PLATE STORE ROOM LOCKSET	SS SS SS	

DOOR TYPES

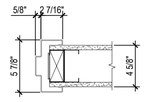


DOOR AND HARDWARE SPECIFICATIONS

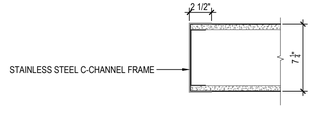
1. ALL INTERIOR CYLINDERS TO BE KEYED ALIKE - VERIFY WITH CLIENT. ALL EXTERIOR CYCLINDERS TO BE KEYED ALIKE - VERIFY WITH LANDLORD
2. CONTRACTOR TO SITE REVIEW CONDITION OF EXISTING DOORS AND REPORT ANY PROBLEMS WITH OPERABILITY OR DAMAGE TO DESIGNER
3. DOOR AND HARDWARE SUBMITTALS REQUIRED PRIOR TO ORDER/FABRICATION
4. HOLLOW METAL DOORS AND FRAMES INDICATED AS PAINTED TO BE ORDERED WITH MANUFACTURER'S PRIMED BASE
5. DOORS TO BE 1¾" O/A THICKNESS, 18 GA. WITH SQUARE EDGES AND REINFORCEMENT FOR HARDWARE



1 A 7.0 CONSTRUCTION PLAN
SCALE: 1/4" = 1'-0"



2 A 7.0 JAMB DETAIL - TYPICAL
SCALE: 1-1/2" = 1'-0"



3 A 7.0 JAMB DETAIL - ELIASON DOOR
SCALE: 1-1/2" = 1'-0"

CONSTRUCTION NOTES

1. DRAWINGS TO BE READ IN CONJUNCTION WITH FF&E SPECIFICATIONS AND BASE BUILDING AUTHORITY/ LANDLORD'S DEVELOPMENT GUIDELINES.
2. DO NOT SCALE THE DRAWINGS. DIMENSIONS MARKED 'CLEAR' SHALL BE MAINTAINED AND SHALL ALLOW FOR THICKNESS OF ALL FINISHES INCLUDING SUBSTRATES. ALL DIMENSIONS ARE TO FACE OF FINISH, UNLESS OTHERWISE NOTED.
3. CHALK LINE ALL PARTITIONS AND OTHER FIXED ELEMENTS FOR THE PRIME CONSULTANT OR CONSULTANT'S REVIEW. ADVISE THE PRIME CONSULTANT OF DISCREPANCIES WITH THE DIMENSIONED PLANS OR ADJACENT FIXTURES.
4. ACOUSTIC PROPERTIES AND FIRE RATINGS OF EXISTING PARTITIONS SHALL BE MAINTAINED.
5. EXISTING PARTITIONS, CORE PARTITIONS, BULKHEADS, COLUMNS TO REMAIN TO BE PATCHED, SANDED AND MADE READY TO RECEIVE SPECIFIED FINISH.
6. TRANSITIONS TO BASE BUILDING/ LANDLORD FINISHES TO FOLLOW DETAILS OUTLINED IN THE BASE BUILDING AUTHORITY LANDLORD'S DEVELOPMENT GUIDELINES.
7. PROVIDE ADEQUATE BLOCKING IN PARTITIONS FOR SUPPORT OF MILLWORK AND ALL OTHER WALL-MOUNTED ACCESSORIES, INCLUDING MEDIA SCREENS, MENU BOARDS, SHELVING AND FIXTURES. REFER TO ELEVATIONS FOR SPECIFIC LOCATIONS.
8. WOOD BLOCKING AND PLYWOOD SHALL BE FIRE RETARDANT TREATED, AS REQ'D BY CODE.
9. PARTITION DIMENSIONS ARE TO BE CONFIRMED ON SITE - G.C. TO LAYOUT PARTITION IN CONJUNCTION WITH MILLWORK LAYOUT.
10. G.C. TO PROVIDE 5/8" MOISTURE RESISTANT DUROCK OR EQUAL CEMENTITIOUS BOARD AT ALL DAMP AREAS, KITCHEN AND OTHER NOTED PARTITIONS. CONCRETE BOARD TO RUN 12" AFF AND EXTEND TO 48" AFF - REFER TO CONSTRUCTION PLANS FOR ADDITIONAL DETAILS.
11. KITCHEN EQUIPMENT AND WALK IN COOLERS NOT SHOWN. REFER TO FS SHEETS FOR KITCHEN EQUIPMENT INFORMATION.
14. PATCH AND REPAIR EXISTING BASE BUILDING FINISHES DAMAGED AS RESULT OF PROJECT CONSTRUCTION.
15. FLOORS TO BE MADE LEVEL TO A TOLERANCE OF 1/4" PER 10 FEET (6MM TO 3M) PRIOR TO APPLIATION OF FLOOR FINISHES IN LOCATIONS OF EQUIPMENT ALCOVES, SLIDING DOORS
16. PREPARE ALL FLOOR, WALL AND CEILING AREAS TO RECEIVE NEW FINISH INCLUDING PATCHING, LEVELING, CLEANING, REMOVAL OF EXISTING SUBSTRATE, GLUE, PLASTER, MORTAR, ETC.

KEY NOTES

NO.	DESCRIPTION
1	IT RACK LOCATION
2	ELECTRICAL PANEL LOCATION
3	NEW PARTIAL HEIGHT COUNTER PARTITION BY GC. REFER TO ID ELEVATIONS, MILLWORK, & FS ELEVATIONS & DETAILS FOR FINISHED HEIGHTS (VARIES).
4	EXISTING BASE BUILD COLUMN TO REMAIN INTACT AND PROTECT DURING CONSTRUCTION PHASE. FIELD VERIFY SIZE
5	MAKE AWARE CRITICAL DIMENSIONS FOR GRAB & GO WALL COOLERS. REFER TO ID ELEVATIONS AND SECTION DETAIL 4/ID6.1
6	REFER TO FS DRAWINGS FOR REQUIRED KITCHEN WALL BLOCKING AND FLOOR WATERPROOFING REQUIREMENTS.
7	PASS THRU WINDOW, REFER TO ID ELEVATIONS AND FS DRAWINGS FOR FURTHER DETAILS.
8	LOCATION OF FIXED MILLWORK, PROVIDE BLOCKING AS REQUIRED.
9	WALL BLOCKING / PLYWOOD BACKING REQUIRED IN WALL FOR WALL MOUNTED MILLWORK PIECE (MW10). SEE ELEVATIONS FOR DETAILS.
10	LOCATION OF TRANSFORMER SUSPENDED BELOW CEILING

PARTITION LEGEND

SYMBOL	DESCRIPTION
	EXISTING PARTITION
	NEW PARTITION
HT.	NEW PARTIAL HEIGHT PARTITION - HT. AS NOTED
	DOUBLE ACTING DOOR

WALL TYPES

SYMBOL	DESCRIPTION
FW1C	• 5/8" CEMENT BOARD ONE SIDE • 2½" 20 GA. MIN. ST. STUDS AT 16" O.C.TO U/S OF EXISTING FINISHED CEILING
W1C	• 5/8" FIRE RATED GYP. (TYPE X) BOTH SIDES • 3⅝" 20 GA. MIN. ST. STUDS AT 16" O.C. TO U/S OF EXISTING FINISHED CEILING
W1D	• 5/8" CEMENT BOARD ONE SIDE • FIRE RATED GYP. (TYPE X) ONE SIDE • 3⅝" 20 GA. MIN. ST. STUDS AT 16" O.C. TO HEIGHT NOTED ON PLAN
W3D	• 5/8" CEMENT BOARD ONE SIDE • FIRE RATED PLYWOOD ONE SIDE • 6" DELTA STUDS AT 16" O.C. TO HEIGHT NOTED ON PLAN
WW1B	• 5/8" CEMENT BOARD TO 4'-0" AFF BOTH SIDES. • 5/8" FIRE RATED GYP. (TYPE X) BOTH SIDES FROM 4'-0" TO 4" ABOVE FINISHED CEILING. • 3⅝" 20 GA. MIN. ST. STUDS AT 16" O.C. TO 4" ABOVE FINISHED CEILING.
WW3B	• 5/8" CEMENT BOARD TO 4'-0" AFF BOTH SIDES • FIRE RATED GYP. (TYPE X) FROM 4'-0" TO 4" ABOVE FINISHED CEILING • 6" 20 GA. MIN. ST. STUDS AT 16" O.C. TO 4" ABOVE FINISHED CEILING

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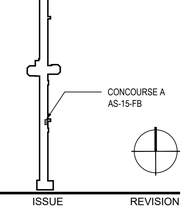

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2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.03.24	100% AIRPORT REVIEW	

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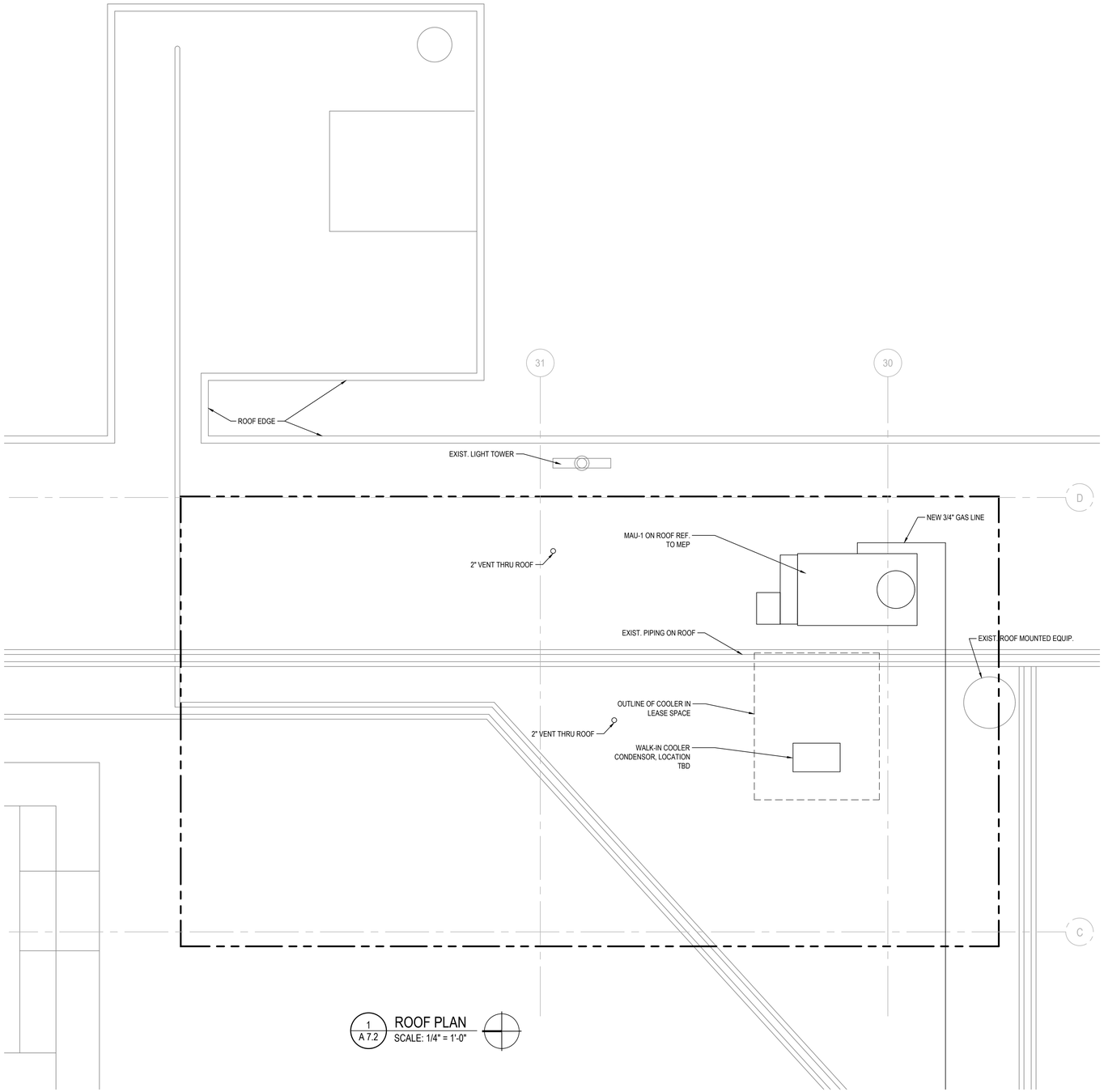
ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
CONSTRUCTION PLAN
& DOOR SCHEDULE

SHEET NUMBER

A 7.0

PROJECT NUMBER	1808

smart



1 / A 7.2 ROOF PLAN
SCALE: 1/4" = 1'-0"

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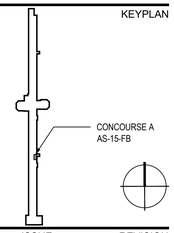

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ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
ROOF PLAN

SHEET NUMBER

A 7.2

PROJECT NUMBER	1808

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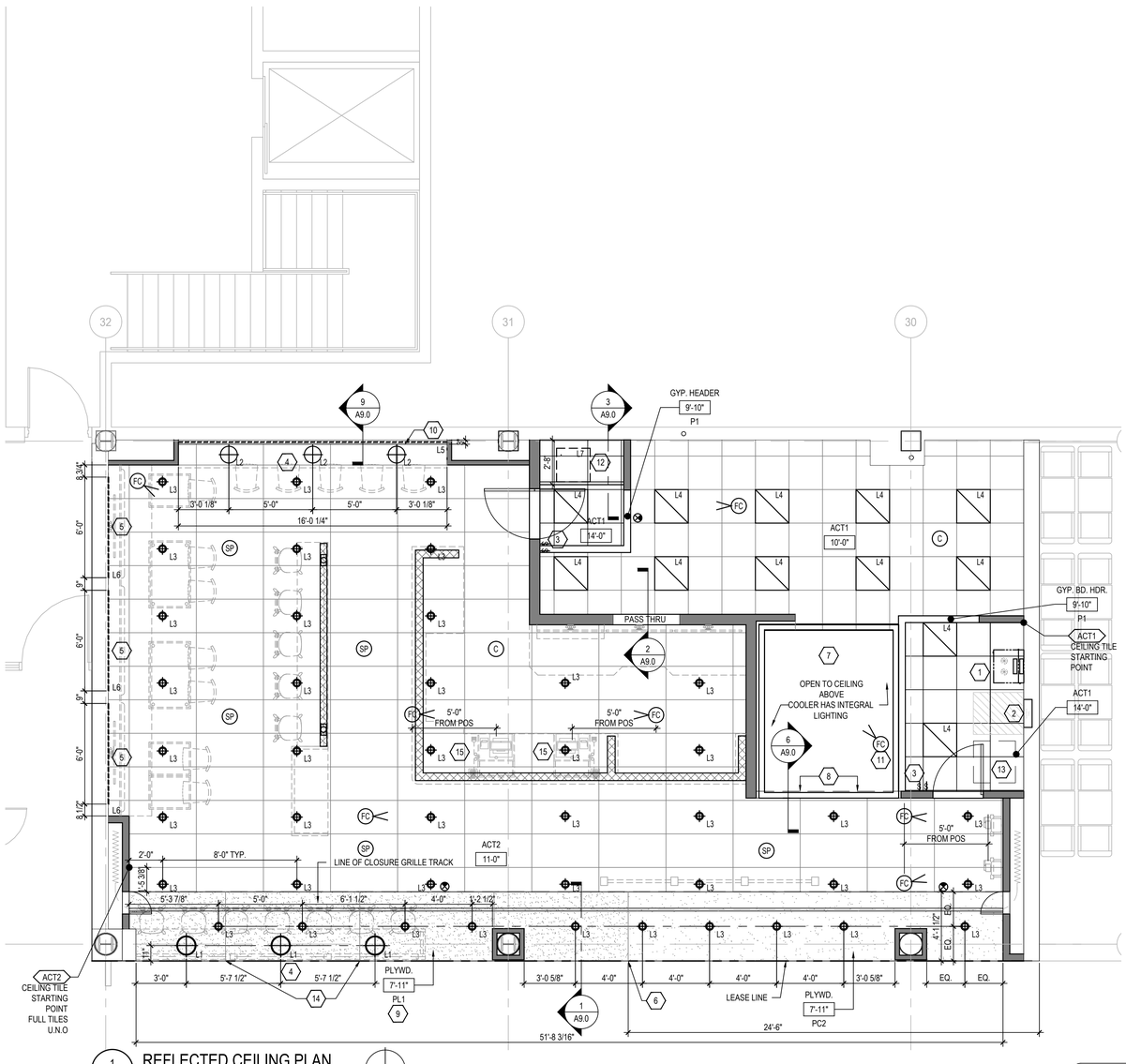

1 / A 8.0 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

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CEILING NOTES

1. DRAWINGS TO BE READ IN CONJUNCTION WITH FF&E SPECIFICATIONS, BASE BUILDING AUTHORITY/ LANDLORD'S DEVELOPMENT GUIDELINES AND LIGHTING CONSULTANT DRAWINGS/SPECIFICATIONS (AS APPLICABLE).
2. DESIGN DRAWINGS INDICATE LOCATION OF CEILING FIXTURES, REFER TO ELECTRICAL ENGINEER'S AND LIGHTING CONSULTANTS DRAWINGS FOR SPECIFICATIONS, INCLUDING COLOUR AND FINISHES OF DEVICES AND COVER PLATES.
3. ALL HEIGHTS INDICATED ON PLANS ARE FROM TOP OF FINISHED FLOOR TO BOTTOM OF CEILING/FIXTURE SPECIFIED U.N.O..
4. DIMENSIONS ARE TO THE CENTER LINE OF FIXTURES UNLESS OTHERWISE INDICATED.
5. CENTER RECESSED FIXTURES IN CEILING TILES UNLESS OTHERWISE DIMENSIONED.
6. LOCATE SWITCHES 47"AFF TO CENTER LINE U.N.O.
7. LOCATE SWITCHES 6" TO CENTER LINE FROM DOOR OR GLAZING FRAMES U.N.O.
8. PROVIDE ADEQUATE CLEARANCES FOR FIXTURES, DUCTS, CEILING ITEMS NECESSARY TO MAINTAIN THE SPECIFIED HEIGHTS ABOVE FINISHED FLOOR. NOTIFY PRIME CONSULTANT OF ANY DESCREPANCIES.
9. SEE LIGHTING PACKAGE FOR SPECIFICATIONS NOT OTHERWISE NOTED ON THIS DRAWING.
10. ADDITIONAL HANGER AND SAFETY WIRES FOR LIGHT FIXTURES, SPEAKERS, AND AIR SUPPLY/RETURN DIFFUSERS (AS REQ'D PER LOCAL CODES) TO BE THE RESPONSIBILITY OF THE SUBCONTRACTOR.
11. REFER TO AS-BUILT MECHANICAL DRAWINGS FOR EXISTING AND NEW DIFFUSER LOCATIONS. NOTIFY PRIME CONSULTANT AND MECHANICAL ENGINEER OF ANY DISCREPANCIES.
12. IN NEW GYP. CEILING, PROVIDE ACCESS PANELS WHERE NECESSARY TO ACCOMMODATE NEW LIGHTING LAYOUT. SUBMIT PROPOSED PANEL LAYOUT AND SIZES TO PRIME CONSULTANT FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.
13. PAINT ALL G.W.B. CEILINGS, SOFFITS AND BULKHEADS TO BE FINISHED AS SPECIFIED. PAINT ALL CEILING COVES, REVEALS AND RECESSES TO MATCH CEILING COLOUR UNO.
14. PAINT EXPOSED SURFACES OF PAINT GRADE ACCESS PANELS, GRILLES AND LINEAR DIFFUSERS TO MATCH THE CEILING COLOUR. ACCESS PANELS TO BE TAPED AND FINISHED TO INTEGRATE WITH THE DRYWALL CEILING WITH THE MINIMUM OF VISIBLE LINES.
15. PAINT ALL EXPOSED STRUCTURE, PIPING AND DUCTWORK IN AREAS WITH NO CEILING (AS PERMITTED BY A.H.J.). DO NOT PAINT EXPOSED DATA, VOICE CABLING OR HVAC CONTROLS.
16. ALL FRAMING VISIBLE THROUGH RETURN AIR SLOTS OR CEILING OPENINGS TO BE PAINTED BLACK. PAINT PRIOR TO G.W.B. INSTALLATION.
17. FINISH AND PAINT G.W.B. FROM FLOOR TO UNDERSIDE OF STRUCTURE IN AREAS WITH NO CEILINGS.
18. WHEREVER LIGHTING EXISTING FIXTURES ARE DAMAGED OR IN POOR WORKING ORDER, CONTRACTOR TO ALLOW FOR REPLACEMENT WITH NEW LIGHTING FIXTURES TO MATCH EXISTING.
19. ADJUST SUSPENDED CEILING GRIDS & ACOUSTIC TILE TO ACCOMMODATE MECHANICAL, ELECTRICAL DEVICES AND EQUIPMENT. PROVIDE ADDITIONAL CEILING COMPONENTS AS REQ'D.
20. SUPPORT ALL T-BAR CEILING MOUNTED DEVICES FROM T-BAR OR STRUCTURE ABOVE, NOT FROM CEILING TILES.
21. PROVIDE ADEQUATE NON-COMBUSTIBLE HANGERS AND BLOCKING ABOVE THE CEILING TO SUPPORT ITEMS THAT ARE A PART OF THIS CONTRACT.
22. WHERE EXITING CEILING TILE TO REMAIN, ALL DAMAGED AND/OR STAINED CEILING TILE TO BE REPLACED WITH NEW. SPEC TO MATCH EXISTING - SITE VERIFY
23. ACOUSTIC CEILING TILES ARE NOT TO BE INSTALLED UNTIL ONE DAY PRIOR TO SUBSTANTIAL COMPLETION IS DECLARED BY THE G.C. AND CONFIRMED BY THE PRIME CONSULTANT/ CONSULTANT.
24. GENERAL CONTRACTOR TO PROVIDE 1X BOX OF SPARE CEILING TILES TO TENANT UPON COMPLETION OF THE PROJECT CONSTRUCTION.
25. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR TO RETURN UNUSED BASE BUILDING LIGHTING FIXTURES TO LANDLORD.
26. WHEN VINYL WRAP GRAPHIC IS TO BE INSTALLED, WALL TO BE FINISHED TO A LEVEL 5 FINISH. CEILING TO BE PAINTED AND CURED AS PER SIGNAGE CONTRACTORS GUIDELINES. GC TO COORDINATE WITH SIGNAGE CONTRACTOR.
27. ROOF DECK NOT TO BE COMPROMISED FOR SUSPENSION OR FASTENING OF INTERIOR ELEMENTS.
28. LIGHT FIXTURES CENTERED IN CEILING TILE U.N.O. ON CEILING PLAN BY DIMENSIONS OR NOTES

FOH DEVICE / COVER - COLOR LEGEND

(AA) DEVICE (OUTLET / SWITCH)	(BB) METAL COVER PLATE
WHITE - WH GRAY - GY BLACK - BK BROWN - BR IVORY - IV	WHITE - WH GRAY - GY BLACK - BK BROWN - BR IVORY - IV STAINLESS STEEL - SS CUSTOM FINISH - OO

BOH DEVICE / COVER - COLOR LEGEND

ALL BOH 120 VOLT OUTLETS AND SWITCHES TO BE LEVITON DECORA SERIES WHITE WITH STAINLESS STEEL COVER PLATES UNLESS OTHERWISE SPECIFIED

208 VOLT AND OTHER SPECIAL RECEPTACLES TO BE BLACK WITH STAINLESS STEEL COVER PLATES

KEY NOTES

NO.	DESCRIPTION
1	LOCATION OF IT RACK - REFER TO ELECTRICAL DRAWINGS. DEDICATED OUTLET FOR SECURITY EQUIPMENT TO BE LOCATED IN IT RACK.
2	LOCATION OF ELECTRICAL PANEL - REFER TO ELECTRICAL DRAWINGS
3	ALL SWITCHES TO BE LOCATED IN BOH
4	REFER TO LIGHTING SCHEDULE FOR ALL LIGHTING HEIGHTS AFF
5	LED STRIP LIGHTING WITHIN MILLWORK, REFER TO ID5.0 ELEVATIONS AND D7.0 MILLWORK FOR FURTHER INFORMATION.
6	LINE OF CEILING FINISH TRANSITION, REFER TO 1/ID6.0 DETAILS
7	RUN CEILING 6" PAST FACE OF COOLER. REFER TO FS DRAWINGS.
8	GWB SOFFIT TO TOP OF COOLERS, REFER TO ID SECTION DETAIL
9	CEILING FINISH MILLWORK PANELS, REFER TO ID7.0 FOR DETAILS, COORDINATE LIGHT CUTOUTS WITH MILLWORKER
10	3" NICHE FOR COVE LIGHTING, CONCEAL LIGHT & DRIVERS
11	GC IS RESPONSIBLE TO ENSURE THE CABLE PENETRATION INTO THE COOLERS ARE PROPERLY SEALED PER NFPA 70.
12	LOCATION OF SURFACE MOUNTED LIGHT AT HOT WATER TANK WITHIN LAY-IN CEILING.
13	TRANSFORMER LOCATION, REFER TO ELECTRICAL.
14	LINE OF REVEAL REFER TO 1/ID6.1 DETAILS
15	PROVIDE BLOCKING FOR OVERHEAD SIGNAGE (EG10 & EG11) GC TO COORDINATE WITH EG PACKAGE

RCP LEGEND

SYMBOL	DESCRIPTION
	ACOUSTIC TILE & GRID CEILING, ALL OTHER AREAS ARE GYP. CEILING UNO.
TYPE / HEIGHT / FINISH	CEILING TYPE, HEIGHT & FINISH TAG
L1	PENDANT LIGHT
L2	PENDANT LIGHT
L3	RECESSED DOWN LIGHT
L4	LED RECESSED TROFFER - RECESSED
L5	LED STRIP LIGHT
L6	LED STRIP LIGHT
L7	LED RECESSED TROFFER - SURFACE MOUNTED
C	360° SECURITY CAMERA, & FUTURE SECURITY CAMERA - PREWIRE ONLY
FC	FIXED SECURITY CAMERA, & FUTURE SECURITY CAMERA - PREWIRE ONLY
SP	SPEAKERS
	LIGHTING SWITCH
D	LIGHTING SWITCH - WITH DIMMER
SWTICH (AA/BB) @ XXX	LIGHTING SWITCH LEVITON DECORA SERIES OR APPROVED EQUAL - AA DESIGNATES COLOR OF DEVICE - BB DESIGNATES COLOR / FINISH OF METAL COVER PLATE - XXX DESIGNATES HEIGHT ABOVE FINISHED FLOOR REFER TO LIST BELOW FOR COLOR / FINISHES

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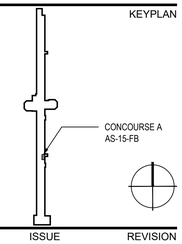
KEYPLAN



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ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
REFLECTED CEILING PLAN

SHEET NUMBER

A 8.0

PROJECT NUMBER 1808

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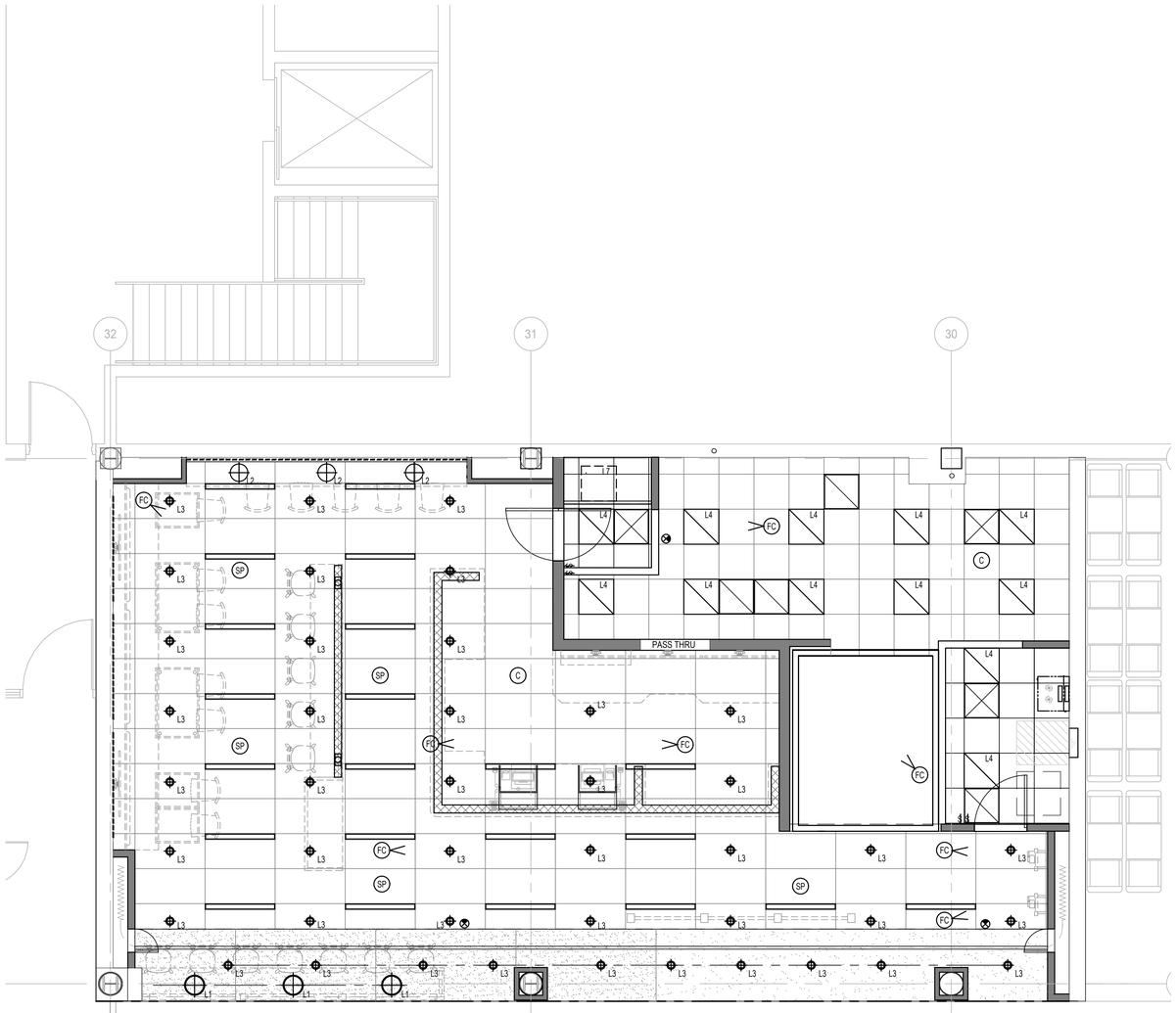

1 A 8.1 MECHANICAL COORDINATION
SCALE: 1/4" = 1'-0"

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5. CENTER RECESSED FIXTURES IN CEILING TILES UNLESS OTHERWISE DIMENSIONED.
6. LOCATE SWITCHES 47"AFF TO CENTER LINE U.N.O.
7. LOCATE SWITCHES 6" TO CENTER LINE FROM DOOR OR GLAZING FRAMES U.N.O.
8. PROVIDE ADEQUATE CLEARANCES FOR FIXTURES, DUCTS, CEILING ITEMS NECESSARY TO MAINTAIN THE SPECIFIED HEIGHTS ABOVE FINISHED FLOOR. NOTIFY PRIME CONSULTANT OF ANY DESCREPANCIES.
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28. LIGHT FIXTURES CENTERED IN CEILING TILE U.N.O. ON CEILING PLAN BY DIMENSIONS OR NOTES.

KEY NOTES

NO.	DESCRIPTION

RCP LEGEND

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L5	LED STRIP LIGHT
L6	LED STRIP LIGHT
L7	LED RECESSED TROFFER - SURFACE MOUNTED
C	360° SECURITY CAMERA, & FUTURE SECURITY CAMERA - PREWIRE ONLY
FC	FIXED SECURITY CAMERA, & FUTURE SECURITY CAMERA - PREWIRE ONLY
SP	SPEAKERS
S	LIGHTING SWITCH
S D	LIGHTING SWITCH - WITH DIMMER
SWITCH (AA/BB) @ XXX	LIGHTING SWITCH LEVITON DECORA SERIES OR APPROVED EQUAL - AA DESIGNATES COLOR OF DEVICE - BB DESIGNATES COLOR / FINISH OF METAL COVER PLATE - XXX DESIGNATES HEIGHT ABOVE FINISHED FLOOR REFER TO LIST BELOW FOR COLOR / FINISHES

FOH DEVICE / COVER - COLOR LEGEND

(AA) DEVICE (OUTLET / SWITCH)	(BB) METAL COVER PLATE
WHITE - WH GRAY - GY BLACK - BK BROWN - BR IVORY - IV	WHITE - WH GRAY - GY BLACK - BK BROWN - BR IVORY - IV STAINLESS STEEL - SS CUSTOM FINISH - OO

BOH DEVICE / COVER - COLOR LEGEND

ALL BOH 120 VOLT OUTLETS AND SWITCHES TO BE LEVITON DECORA SERIES WHITE WITH STAINLESS STEEL COVER PLATES UNLESS OTHERWISE SPECIFIED

208 VOLT AND OTHER SPECIAL RECEPTACLES TO BE BLACK WITH STAINLESS STEEL COVER PLATES

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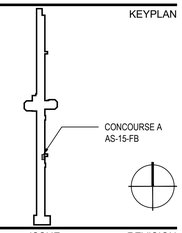

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MECHANICAL
COORDINAITON

SHEET NUMBER

A 8.1

PROJECT NUMBER 1808

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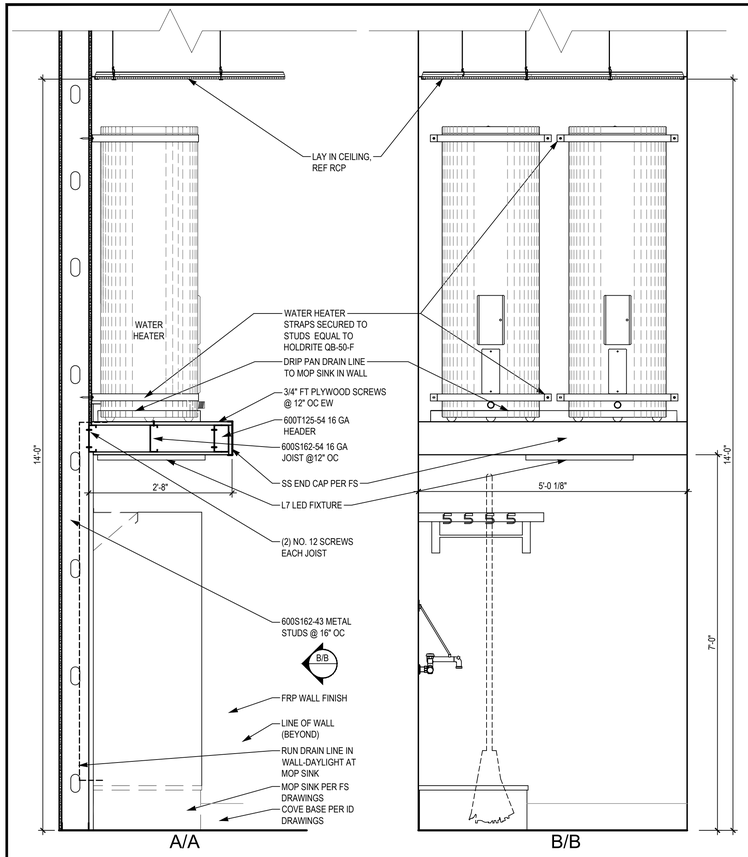
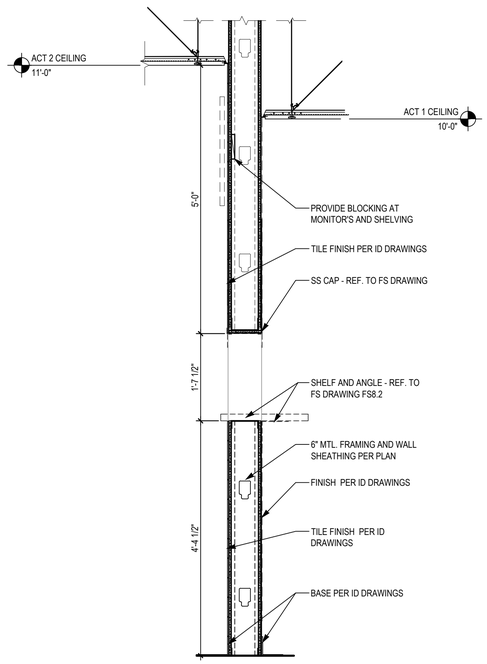
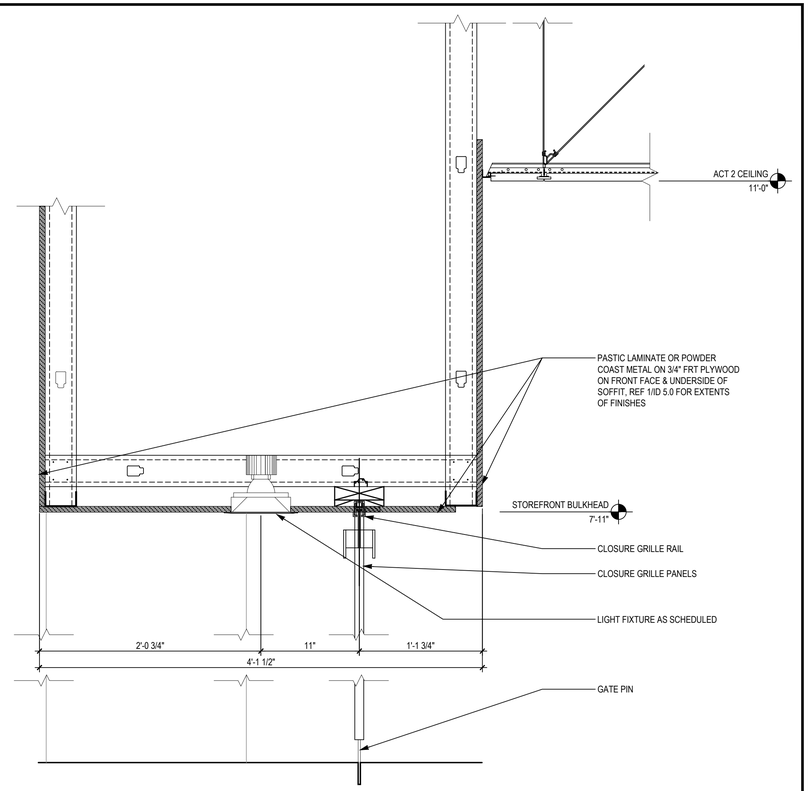


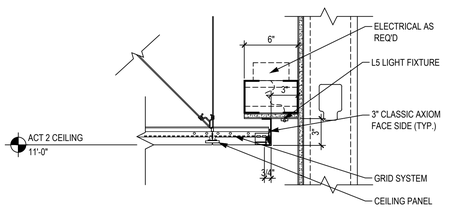


2 / A 9.0 PASS THRU WINDOW SECTION
SCALE: 3/4" = 1'-0"

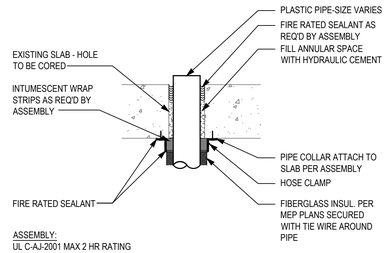


1 / A 9.0 SECURITY GATE SECTION
SCALE: 1 1/2" = 1'-0"

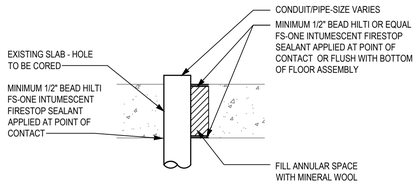
3 / A 9.0 WATER HEATER SHELF SECTION
SCALE: 3/4" = 1'-0"



9 / A 9.0 LIGHT COVE
SCALE: 1-1/2" = 1'-0"

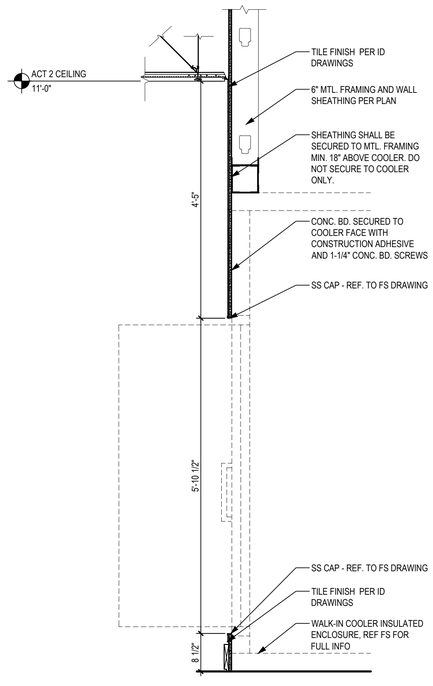


7 / A 9.0 TYPICAL FLOOR/WALL PENETRATION (2 HR.)
SCALE: 3" = 1'-0"

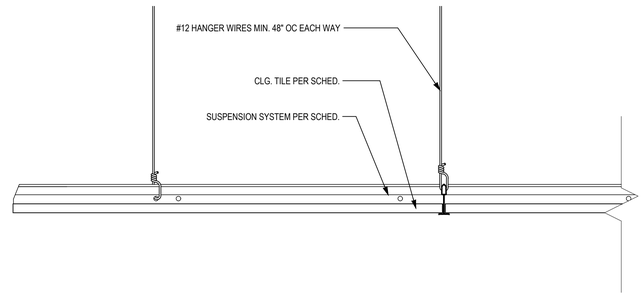


NOTES:
1. MAXIMUM DIAMETER OF OPENING IS 10"
2. ANNULAR SPACE MINIMUM 0", MAXIMUM 1 7/8"
3. MINIMUM 1/2" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY.
4. PENETRATING PIPE TO BE ONE OF THE FOLLOWING:
   A. MAXIMUM 8" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 8" NOMINAL CAST OR DUCTILE IRON PIPE.
   C. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT.
   D. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE OF TUBING.
   E. MAXIMUM 4" NOMINAL DIAMETER EMT.

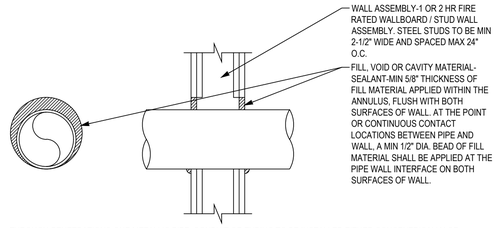
8 / A 9.0 TYP. FLOOR/WALL PENETRATION (2 HR.)
SCALE: 3" = 1'-0"



6 / A 9.0 COOLER AND HEADER SECTION
SCALE: 3/4" = 1'-0"



4 / A 9.0 TYPICAL ACT CEILING SUPPORT
SCALE: 3" = 1'-0"



THROUGH-PENETRATIONS-ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX 2-1/4". PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
A. STEEL PIPE — NOM 30" DIA. (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. IRON PIPE — NOM 30" DIA. (OR SMALLER) CAST OR DUCTILE IRON PIPE.
C. CONDUIT — NOM 4" DIA. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR 6" DIA. STEEL CONDUIT.
D. COPPER TUBING — NOM 6"DIA. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
E. COPPER PIPE — NOM 6" DIA. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

5 / A 9.0 TYPICAL WALL PENETRATION (1 OR 2 HR.)
SCALE: 3" = 1'-0"

THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, INTERIOR DESIGN, FOOD SERVICE, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL DRAWINGS AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

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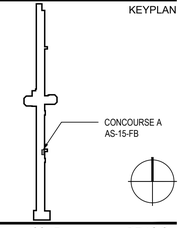
KEYPLAN



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2025.08.15	30% AIRPORT REVIEW	
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
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& DETAILS

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A 9.0

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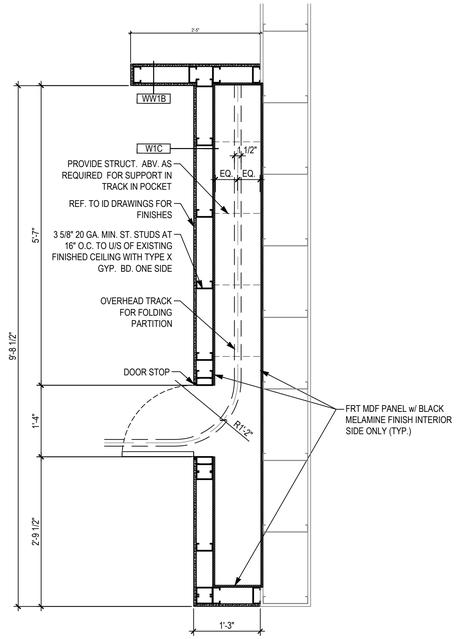
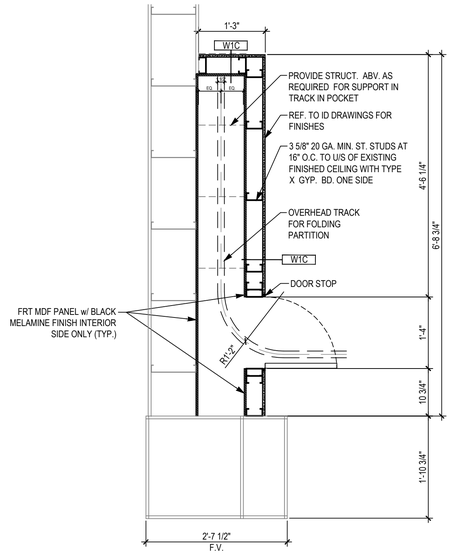


2 A 9.1 POCKET CLOSURE PLAN
SCALE: 3/4" = 1'-0"



1 A 9.1 POCKET CLOSURE PLAN
SCALE: 3/4" = 1'-0"

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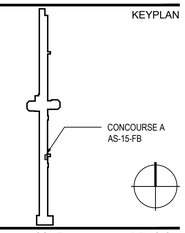

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ARCH SECTIONS & DETAILS

SHEET NUMBER

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03/18/2026

ID DRAWING SYMBOL LEGEND

ROOM NAME

DOOR NUMBER

WALL TYPE

GRID LINE

KEYNOTE

FURN/FIXTURE TAG

FINISH TAG

CEILING TYPE/ HEIGHT / FINISH

REVISION TAG

REVISION CLOUD

MULTIPLE ELEVATIONS

ELEVATION

SECTION

DETAIL MARKER

DESCRIPTION
#'-#"
ELEVATION AFF

STANDARD ABBREVIATIONS

ACC	ACCESSORY	MAX	MAXIMUM
ADD	ADDENDUM	MECH	MECHANICAL
AHJ	AUTHORITY HAVING JURISDICTION	MEZZ	MEZZANINE
ALUM	ALUMINUM	MIN	MINIMUM
ANOD	ANODIZED	MISC	MISCELLANEOUS
AFF	ABOVE FINISHED FLOOR	MT	METAL
AVC	AUDIO VISUAL CONTRACTOR	MWC	MILLWORK CONCTRACTOR
BLDG	BUILDING	N/A	NOT APPLICABLE
BOH	BACK OF HOUSE	NIC	NOT IN CONTRACT
CB	CATCH BASIN	N	NEW
CLG	CEILING	NTS	NOT TO SCALE
CLR	CLEAR	OC	ON CENTRE
CONT'D	CONTINUED	PLY	PLYWOOD
C/W	COMPLETE WITH	PREFIN	PREFINISHED
DIA	DIAMETER	R	RADIUS
E	EXISTING	RE	RELOCATE
EGC	ENVIRONMENTAL GRAPHICS CONTRACTOR	REQ'D	REQUIRED
ELEC	ELECTRICAL	RA	ROOF DRAIN
ELEV	ELEVATION	RF	RESILIENT FLOORING
EQ	EQUAL	RO	ROUGH OPENING
EXT	EXTERIOR	RWL	RAIN WATER LEADER
FD	FLOOR DRAIN	SCW	SOLID CORE WOOD
FEC	FOOD EQUIPMENT CONTRACTOR	SPEC	SPECIFICATIONS
FE	FIRE EXTINGUISHER CABINET (AS APPLICABLE)	SQ FT	SQUARE FEET
		STRUC	STRUCTURAL
FHC	FIRE HOSE CABINET	T/O	TOP OF
FOH	FRONT OF HOUSE	TYP	TYPICAL
GA	GAUGE	U/G	UNDERGROUND
GC	GENERAL CONTRACTOR	UNO	UNLESS NOTED OTHERWISE
GYP	GYPSUM BOARD	U/S	UNDERSIDE
HM	HOLLOW METAL	VEST	VESTIBULE
HR	HOUR	W/C	WATER CLOSET
HSS	HOLLOW STAINLESS STEEL	WT	WEIGHT
HT	HEIGHT		

NOT FOR CONSTRUCTION

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GENERAL NOTES

1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. THESE DRAWINGS SHALL NOT BE SCALED. IN THE EVENT OF OMISSION OF NECESSARY DIMENSIONS, THE CONTRACTOR SHALL NOTIFY THE PRIME CONSULTANT.
2. THE G.C. AND ALL SUBCONTRACTORS SHALL VISIT THE SITE AND VERIFY CONDITIONS PERTAINING TO THIS PROJECT PRIOR TO SUBMITTING BIDS. ANY DISCREPANCIES DISCOVERED DURING THIS SITE VISIT SHALL BE REPORTED TO THE PRIME CONSULTANT AND OWNER / TENANT IN WRITING PRIOR TO SUBMITTING THEIR BID. THIS SITE VISIT SHALL INCLUDE VERIFICATION PERTAINING TO THE TRANSPORT OF MATERIALS AND FIXTURES FROM LOADING DOCK TO SITE, INCLUDING BUT NOT LIMITED TO, ELEVATOR INTERIOR DIMENSIONS, CORRIDORS AND DOORWAY OPENINGS.
3. THE G.C. SHALL MAKE THEMSELVES FAMILIAR WITH THE BASE BUILDINGS AUTHORITY/ LANDLORD'S DEVELOPMENT GUIDELINES AND ADHERE TO THE PROCESSES AND GUIDELINES DESCRIBED THEREIN.
4. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY ISSUED FOR CONSTRUCTION.
5. EACH CONTRACTOR AND/OR SUBCONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, LICENSES AND REQUIRED SECURITY CLEARANCES REQUIRED TO COMPLETE THE SCOPE OF WORK.
6. ALL WORK SHALL BE DONE BY LICENSED CONTRACTORS AND IN CONFORMANCE WITH FEDERAL, STATE AND LOCAL CODES.
7. G.C. IS RESPONSIBLE TO INSTALL RAMPS AND SIGNAGE TO MEET FEDERAL, STATE AND LOCAL ACCESSIBILITY REQUIREMENTS.
8. G.C. IS RESPONSIBLE TO ENSURE THE PROPER SEQUENCE, CO-ORDINATION AND PHASING OF CONSTRUCTION TO MEET THE PROJECT DEADLINE. THIS INCLUDES THE ORDER OF LONG LEAD TIME FIXTURES AND MATERIALS TO ENSURE TIMELY INSTALLATION.
9. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL UTILITY COMPANIES AND PERFORMING ALL THE WORK REQUIRED BY THEM.
10. DO NOT SUSPEND ANY ITEMS FROM ROOF OR FLOOR DECKS, HORIZONTAL BRIDGING, X-BRACING, PIPES, CONDUITS OR WORK BY ANY OTHER TRADES.
11. ALL ROOF AND/ OR FLOOR OPENINGS EXECUTED BY THE OWNER / TENANT'S CONTRACTOR SHALL BE PERFORMED ACCORDING TO THE SPECIFICATIONS OF THE LANDLORD AND ARE SUBJECT TO INSPECTION.
12. PERFORM ALL CUTTING, FITTING AND PATCHING REQUIRED TO COMPLETE WORK. REMOVE AND REPLACE DEFECTIVE AND NON-CONFORMING WORK AND RESTORE WITH NEW PRODUCTS. PROVIDE OPENING FOR PENETRATIONS OF MECHANICAL AND ELECTRICAL WORK, INCLUDING FIRE STOPPING AND / OR RETARDANT FINISHES AS REQUIRED BY LOCAL CODE. RECEIVE PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER FOR PENETRATION ELEMENTS. REFINISH SURFACES TO MATCH ADJACENT FINISHES.
13. ALL MATERIALS TO MEET FLAME SPREAD RATING REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
14. ALL MATERIALS USED SHALL BE INSTALLED AND/ OR APPLIED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
15. SHOP DRAWINGS AND PRODUCT SUBMITTALS ARE TO BE PROVIDED FOR THE DESIGN TO REVIEW AND APPROVE PRIOR TO PURCHASE OR FABRICATION.
16. VERIFY THE SIZE, LOCATION AND REQUIREMENTS OF EQUIPMENT AND/OR FIXTURES/ FURNITURE TO BE SUPPLIED BY THE OWNER / TENANT OR OWNER / TENANT VENDORS PRIOR TO ANY RELATED CONSTRUCTION COMMENCING.
17. CO-ORDINATE DELIVERY AND INSTALLATION OF ITEMS SUPPLIED BY THE OWNER / TENANT OR OWNER / TENANT VENDORS.
18. KEEP ENTRANCES AND EXITS CLEAR AT ALL TIMES. EACH SUBCONTRACTOR SHALL REMOVE RUBBISH DAILY. PROMPTLY REPAIR ANY DAMAGE DONE TO ADJACENT SURFACES/ PROPERTY OR ADJACENT TENANT SPACES AT NO COST TO THE OWNER / TENANT OR ADJACENT TENANT.
19. G.C. TO ENSURE THAT THE DELIVERIES, FUNCTIONS AND DAILY OPERATIONS OF OTHER TENANTS AND THE LANDLORD ARE NOT DISTURBED OR IMPEDED THROUGHOUT THE COURSE OF THE PROJECT.
20. LIFE SAFETY SYSTEMS, INCLUDING BUT NOT LIMITED TO EXIT LIGHTING, FIRE ALARMS AND FHC / FEC SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
21. G.C. TO HAND OVER THE SITE TO THE OWNER / TENANT IN A CLEAN AND TIDY CONDITION- FREE FROM RUBBISH, TOOLS AND EQUIPMENT.
22. THE G.C. SHALL WARRANT, FOR ONE YEAR FROM THE COMPLETION OF DEFICIENCIES, ALL MATERIAL AND WORKMANSHIP UNLESS OTHERWISE AGREED TO BY THE OWNER / TENANT.

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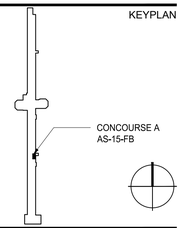

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CORNER CAFE
ID GENERAL NOTES

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PROJECT NUMBER	1808

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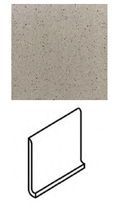
File Path: S:\Projects\Active Projects\1808 ATL-PL-HYBRID BUILD OUT\CORNER CAFE\CADD\ID\ & Drafted By: mdecarvalho

03/18/2026

FINISH SCHEDULE

FINISH	SYMBOL	DESCRIPTION	MANUFACTURER / SUPPLIER	LOCATION	NOTES
	ACT1	BACK OF HOUSE CEILING TILE NAME: KITCHEN ZONE CODE: 673 COLOR: WHITE SIZE: 24" x 24" x 5/8" (610 x 610 x 15 mm) EDGE: SQUARE LAY-IN TEXTURE: SMOOTH GRID: PRELUDE XL FIRE GUARD 15/16" EXPOSED TEE - WHITE	MANUFACTURER: ARMSTRONG CONTACT: TEL: WEB: WWW.ARMSTRONG.COM	BOH CEILING REFER TO A8.0 RCP FOR LOCATION	FIRE TEST DATA: FIREGUARD: A FIRE RESISTIVE CEILING WHEN USED IN APPLICABLE UL ASSEMBLIES. ASTM E1264 CLASSIFICATION-TYPE IV, FORM 2, PATTERN E MEA: 72-59-M SUPPLY AND INSTALL BY GC
	ACT2	ACOUSTIC CEILING TILE PRODUCT: CALLA TEGULAR COLOR: WHITE (WH) CODE: 2825 SIZE: 24" x 48" x 1" MATERIAL: FIBERGLASS EDGE: SQUARE TEGULAR 8/16" FIRE RATING: CLASS A GRID: PRELUDE XL FIRE GURAD 15/16" EXPOSED TEE - WHITE	MANUFACTURER: ARMSTRONG CONTACT: TEL: WEB: WWW.ARMSTRONG.COM	FOH CEILING REFER TO A8.0 RCP FOR LOCATION	FIRE TEST DATA: FIREGUARD: A FIRE RESISTIVE CEILING WHEN USED IN APPLICABLE UL ASSEMBLIES. ASTM E84 AND CAN/ULC S102 SURFACE BURNING CHARACTERISTICS, FLAME SPREAD INDEX OF 25 OR LESS. SMOKE DEVELOPED INDEX OF 50 OR LESS (UL LABELED). ASTM E1264 CLASSIFICATION-TYPE IV, FORM 2, PATTERN C D SUPPLY AND INSTALL BY GC
	FRP1	FIBERGLASS REINFORCED PANEL COLLECTION: THE CLASSIC COLLECTION CLASS: A COLOR: WHITE FINISH: EMBOSSED SIZE: 0.090" THICK. 48" x 120" OR 48" x 96"- REFER TO DRAWINGS FOR SIZE REQUIRED MOLDING: OUTSIDE CORNER, INSIDE CORNER, END CAP, DIVIDER IN FINISH AND COLOR TO MATCH - TO BE USED WHERE APPLICABLE / NECESSARY	MANUFACTURER: PANOLAM CONTACT: TEL. + 1-877-726-6526 WEB: WWW.PANOLAM.COM	BOH WALLS REFER TO ID4.0 FINISH PLAN	TO BE USED WITH LOW VOC COMMERCIAL ADHESIVES. GC TO REFER TO FINISHES DRAWINGS AND COORDINATE WITH FEC FOR LOCATIONS OF FULL HEIGHT STAINLESS STEEL CORNER GUARDS. CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION. SUPPLY AND INSTALL BY GC
	GL1	TEMPERED SAFETY GLASS PRODUCT: SOLID COLOR - TRANSPARENT COLOR: VIVID SAPPHIRE FINISH: GLOSSY THICKNESS: 3/8"	MANUFACTURER: GOLDRAY GLASS CONTACT: TEL: WEB: WWW.GOLDRAYGLASS.COM	STOREFRONT - MILLWORK & QUEUING RAIL REFER TO ID4.0 FINISH PLAN & ID7.0 MILLWORK	CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION SUPPLY AND INSTALL BY MILLWORKER
	MT1	METAL LAMINATE PRODUCT: 300 SERIES NAME: AGED BRASS CODE: 337 BACKING: LAMINATE SHEET SIZE: 2' X 10' THICKNESS: METAL: 0.016", BACKER: 0.044"	MANUFACTURER: CHEMETAL CONTACT: TEL: (800) 807-7341 WEB: WWW.CHEMETAL.COM	MILLWORK FINISH THROUGHOUT REFER TO ID4.0 FINISH PLAN & ID7.0 MILLWORK	CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION SUPPLY AND INSTALL BY MILLWORKER
	PL1	PLASTIC LAMINATE COLOR: AGED ASH CODE: 8844-WR FINISH: WOODBRUSH TEXTURE SHEET SIZE: 4' X 8' FIRE DATA: CLASS A	MANUFACTURER: FORMICA CONTACT: TEL: (800) 367-6422 WEB: WWW.FORMICA.COM	MILLWORK FINISH THROUGHOUT REFER TO ID4.0 FINISH PLAN & ID7.0 MILLWORK	LOW VOC COMMERCIAL ADHESIVES TO BE USED CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION SUPPLY AND INSTALL BY MILLWORKER
	PL2	PLASTIC LAMINATE COLOR: WHITE CODE: 949 FINISH: MATTE SHEET SIZE: 4' X 8' FIRE DATA: CLASS A	MANUFACTURER: FORMICA CONTACT: TEL: (800) 367-6422 WEB: WWW.FORMICA.COM	DOOR 101 REFER TO A7.0 DOOR SCHEDULE	OR APPROVED ALTERNATE STANDARD ELIASON DOOR FINISH LOW VOC COMMERCIAL ADHESIVES TO BE USED CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION SUPPLY AND INSTALL BY G.C
	PL3	PLASTIC LAMINATE COLOR: SUMMER NIGHT GLOW CODE: S8003 FINISH: SUEDE SHEET SIZE: 4' X 8' FIRE DATA: CLASS A	MANUFACTURER: PANOLAM CONTACT: TEL: (877) 726-6526 WEB: WWW.PANOLAM.COM	DOOR 102 REFER TO A7.0 DOOR SCHEDULE	LOW VOC COMMERCIAL ADHESIVES TO BE USED CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION SUPPLY AND INSTALL BY MILLWORKER
	P1	PAINT NAME: SIMPLY WHITE CODE: OC-117 PRODUCT: HARMONY LOW VOC FINISHES: TO BE APPLIED PER THE FOLLOWING: FOOD SERVICE SPACES: - DOORS / METALS - SATIN HYBRID ALKYD ACRYLIC - CEILING - FLAT LATEX	MANUFACTURER: BENJAMIN MOORE CONTACT: TEL: (855) 724-6802 WEB: WWW.BENJAMINMOORE.COM	DOOR PAINT & CEILING REFER TO A7.0 DOOR SCHEDULE & A8.0 RCP	PAINT DRAW DOWN TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION
	P2	NOT USED			
	P3	PAINT NAME: GOLD RUSH CODE: 2166-10 PRODUCT: NATURAL LOW VOC FINISHES: TO BE APPLIED PER THE FOLLOWING: FOOD SERVICE SPACES: - DOORS / METALS - SATIN HYBRID ALKYD ACRYLIC	MANUFACTURER: BENJAMIN MOORE CONTACT: TEL: (855) 724-6802 WEB: WWW.BENJAMINMOORE.COM	DOOR 102 FRAME PAINT REFER TO A7.0 DOOR SCHEDULE	PAINT DRAW DOWN TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION

FINISH SCHEDULE

FINISH	SYMBOL	DESCRIPTION	MANUFACTURER / SUPPLIER	LOCATION	NOTES
	P4	PAINT NAME: VAN DEUSEN BLUE CODE: HC-156 PRODUCT: NATURAL LOW VOC FINISHES: TO BE APPLIED PER THE FOLLOWING: FOOD SERVICE SPACES: - DOORS / METALS - SATIN HYBRID ALKYD ACRYLIC	MANUFACTURER: BENJAMIN MOORE CONTACT: TEL: (855) 724-6802 WEB: WWW.BENJAMINMOORE.COM	DOOR PAINT REFER TO A7.0 DOOR SCHEDULE & ID7.0 MILLWORK	PAINT DRAW DOWN TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION
	PC1	POWDER COATING NAME: SIGNAL WHITE CODE: RAL 9003 FINISH: SEMI-MATTE TYPE: EPOXY	MANUFACTURER: TIGER COATINGS CONTACT: TIGER DRYLAC TEL: (800) 243-8148 WEB: WWW.TIGER-COATINGS.US	MILLWORK REFER TO ID7.0 MILLWORK	CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION SUPPLY AND INSTALL BY MILLWORKER
	PC2	POWDER COATING NAME: BRIGHT RED ORANGE CODE: RAL 2008 FINISH: SEMI-MATTE TYPE: EPOXY	MANUFACTURER: TIGER COATINGS CONTACT: TIGER DRYLAC TEL: (800) 243-8148 WEB: WWW.TIGER-COATINGS.US	STOREFRONT REFER TO ID4.0 FINISH PLAN & ID5.0 ELEVATIONS & ID6.0 DETAILS	CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION SUPPLY AND INSTALL BY GC
	SSF1	SIMULATED STONE - QUARTZ COLOR: 5143 WHITE ATTICA FINISH: HONED NOMINAL THICKNESS: ¾" (20 MM) EDGE: EASED	MANUFACTURER: CAESARSTONE CONTACT: KELSEY SPANN TEL: 236-785-3054 WEB: WWW.CAESARSTONE.COM	COUNTERTOP THROUGHOUT REFER TO ID7.0 MILLWORK	LOW VOC COMMERCIAL ADHESIVES TO BE USED CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION SUPPLY AND INSTALL BY MILLWORKER
	SS1	STAINLESS STEEL PRODUCT: #4 BRUSHED STAINLESS STEEL - 300 SERIES GAUGE: 16 GRAIN ORIENTATION: HORIZONTAL (UNLESS OTHERWISE NOTED)	SUPPLIER: GENERAL CONTRACTOR SOURCE FROM LOCAL SUPPLIER WITHIN 100 KM / 60 MILES	WALL BASE THROUGHOUT REFER TO ID4.0 FINISH PLAN	TO BE USED WITH LOW VOC COMMERCIAL ADHESIVES CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION SUPPLY AND INSTALL BY GC
TEXTURE	TL1	FLOOR TILE - PORCELAIN TILE SERIES: VERO COLOR: VR20 NATURAL - RECTANGLE FINISH: MATTE SIZE: 9" X 71" GROUT: MAPEI - 5039 IVORY GROUT THICKNESS: 3/16" TILE PATTERN: SEE FINISH PLAN SLIP RATING: >0,42	MANUFACTURER: MARAZZI CONTACT: LESLIE DEAN QUARTERTURN GROUP TEL: (770) 843-0147 WEB: WWW.QUARTERTURN.COM EMAIL: LESLIEDEAN@QUARTERTURNGROUP.COM	MAIN FLOOR TILE REFER TO ID4.0 FINISH PLAN	SUPPLIED BY PARADIES LAGARDERE CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION INSTALLED BY G.C
FULL TILE TILE PATTERN	TL2	FLOOR TILE - PORCELAIN TILE SERIES: LAPAZ WHITE & BLUE HERALD FINISH: MATTE SIZE: 9" X 9" X 10MM THICK GROUT: MAPEI - 5101 RAIN GROUT THICKNESS: 3/16" TILE PATTERN: SEE FINISH PLAN SLIP RATING: >0,42	MANUFACTURER: TILE BAR CONTACT: LESLIE DEAN QUARTERTURN GROUP TEL: (770) 843-0147 WEB: WWW.QUARTERTURN.COM EMAIL: LESLIEDEAN@QUARTERTURNGROUP.COM	ACCENT FLOOR TILE REFER TO ID4.0 FINISH PLAN	SUPPLIED BY PARADIES LAGARDERE CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION INSTALLED BY G.C
	TL3	QUARRY TILE SERIES: QUARRY TEXTURES PRODUCT #: 00T03 COLOR: ASHEN GRAY SIZE: 6" X 6" GROUT: MAPEI KERAPOXY GROUT - #09 GRAY FINISH: MATTE WATERPROOFING MEMBRANE: MAPEI - MAPELASTICS - AQUADEFENSE COVE BASE TILE: MANUFACTURER: DALTILE SERIES: QUARRY TEXTURES COLOR: ASHEN GRAY 0T03 (2) PRODUCT: Q3565 COVE BASE SIZE: 5" X 6" (152 X 152MM) GROUT: MAPEI KERAPOXY GROUT - #09 GRAY GROUT THICKNESS: 1/8" NOTES: COVE BASE TILES TO LINE UP WITH FLOOR TILES TO ENSURE A SEAMLESS APPEARANCE	MANUFACTURER: DALTILE CONTACT: LESLIE DEAN QUARTERTURN GROUP TEL: (770) 843-0147 WEB: WWW.QUARTERTURN.COM EMAIL: LESLIEDEAN@QUARTERTURNGROUP.COM	BOH FLOOR TILE REFER TO ID4.0 FINISH PLAN	TO BE USED WITH LOW VOC COMMERCIAL ADHESIVES NOTE: USE COORDINATED COVE QUARRY BASE AT ALL TL5 AREAS. NOTE: ENSURE ADEQUATE GROUT DURING INSTALLATION. GROUT TO BE SAME LEVEL AS FINISHED TILE - NO VALLEYS SUPPLIED BY PARADIES LAGARDERE CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION INSTALLED BY G.C
	TL4	WALL TILE - PORCELAIN TILE SERIES: STENCIL - RECTANGLE LINEAR COLOR: INDIGO SC38 FINISH: MATTE SIZE: 4" X 12" X 5/16" THICK GROUT: MAPEI - 5232 NIGHT SKY GROUT THICKNESS: X" TILE PATTERN: SEE ELEVATIONS	MANUFACTURER: DALTILE CONTACT: LESLIE DEAN QUARTERTURN GROUP TEL: (770) 843-0147 WEB: WWW.QUARTERTURN.COM EMAIL: LESLIEDEAN@QUARTERTURNGROUP.COM	ACCENT WALL TILE REFER TO ID4.0 FINISH PLAN & ID5.0 ELEVATIONS	SUPPLIED BY PARADIES LAGARDERE CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION INSTALLED BY G.C

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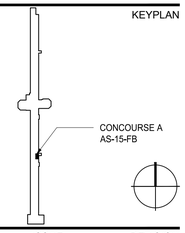

DATE	ISSUE	REVISION
2025.07.10	30% CLIENT REVIEW	
2025.08.15	30% AIRPORT REVIEW	
2025.10.27	60% COORDINATION REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
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ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
FINISH SCHEDULE

SHEET NUMBER

ID 1.0

PROJECT NUMBER 1808

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03/18/2026

FINISH SCHEDULE

FINISH	SYMBOL	DESCRIPTION	MANUFACTURER / SUPPLIER	LOCATION	NOTES
	TL5	WALL TILE - PORCELAIN TILE SERIES: ARTCRAFTED - RECTANGLE HAND CRAFTED COLOR: COCONUT AC23 FINISH: GLOSSY SIZE: 3" X 12" X 5/16" THICK GROUT: MAPEI - 5001 ALABASTER GROUT THICKNESS: 1/8" TILE PATTERN: SEE ELEVATIONS	MANUFACTURER: DALTILE CONTACT: LESLIE DEAN QUARTERTURN GROUP TEL: (770) 843-0147 WEB: WWW.QUARTERTURN.COM EMAIL: LESLIEDEAN@QUARTERTURNGROUP.COM	STOREFRONT WALL TILE & MILLWORK COUNTER FRONT REFER TO ID4.0 FINISH PLAN & ID5.0 ELEVATIONS	SUPPLIED BY PARADIES LAGARDERE CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION INSTALLED BY G.C
	TL6	WALL TILE - PORCELAIN TILE SERIES: ARTCRAFTED - RECTANGLE HAND CRAFTED COLOR: COTTO AC27 FINISH: GLOSSY SIZE: 3" X 12" X 5/16" THICK GROUT: MAPEI - 5001 ALABASTER GROUT THICKNESS: 1/8" TILE PATTERN: SEE ELEVATIONS	MANUFACTURER: DALTILE CONTACT: LESLIE DEAN QUARTERTURN GROUP TEL: (770) 843-0147 WEB: WWW.QUARTERTURN.COM EMAIL: LESLIEDEAN@QUARTERTURNGROUP.COM	ACCENT WALL TILE REFER TO ID4.0 FINISH PLAN & ID5.0 ELEVATIONS	SUPPLIED BY PARADIES LAGARDERE CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION INSTALLED BY G.C
	TL7	WALL TILE - PORCELAIN TILE SERIES: STRUCTURE COLOR: 3D CREAM STACKED LEDGER CODE: B75STRUCR0624S3D SIZE: 6" X 24" THICKNESS: VARIES (1/2" - 2 1/2") GROUT: MAPEI - 5001 ALABASTER INSTALLATION METHOD: INTERLOCK TILE PATTERN: SEE ELEVATIONS	MANUFACTURER: EMSER TILE CONTACT: LESLIE DEAN QUARTERTURN GROUP TEL: (770) 843-0147 WEB: WWW.QUARTERTURN.COM EMAIL: LESLIEDEAN@QUARTERTURNGROUP.COM	WALL TILE WITHIN ARCHES. REFER TO ID4.0 FINISH PLAN & ID5.0 ELEVATIONS	THICKNESS VARIES - NATURAL STONE VARIATION AND DEPTH. APPLY SUITABLE TILE ADHESIVE OR THIN-SET MORTAR APPROVED FOR NATURAL STONE AND DESIGNED TO ACCOMMODATE THE WEIGHT AND RELIEF OF 3D SURFACES. TO BE INSTALLED WITH PRECISE-CUT INTERLOCKING EDGES TO ALLOW, SEAMLESS, DRY-FIT CONNECTIONS WITH NO GROUT LINES OR VISIBLE JOINTS SUPPLIED BY PARADIES LAGARDERE CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION INSTALLED BY G.C
	TL8	WALL TILE - PORCELAIN TILE SERIES: VERO COLOR: VR20 NATURAL - CHEVRON FINISH: MATTE SIZE: 4" X 21" GROUT: MAPEI - 5039 IVORY GROUT THICKNESS: 3/16" TILE PATTERN: SEE ELEVATIONS	MANUFACTURER: MARAZZI CONTACT: LESLIE DEAN QUARTERTURN GROUP TEL: (770) 843-0147 WEB: WWW.QUARTERTURN.COM EMAIL: LESLIEDEAN@QUARTERTURNGROUP.COM	ACCENT WALL TILE REFER TO ID4.0 FINISH PLAN & ID5.0 ELEVATIONS	SUPPLIED BY PARADIES LAGARDERE CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION INSTALLED BY G.C
	UP1	UPHOLSTERY SERIES: DAKOTA COLOR: PAPAYA #5 CODE: AC-69924 WIDTH: 54" PATTERN ORIENTATION: N/A PATTERN REPEAT: N/A ABRASION RATING: 100,000 DR WYZENBEEK FIRE DATA: CLASS 1 / NFPA 260	MANUFACTURER: ARC COM CONTACT: WEB: WWW.ARC-COM.COM	BANQUETTE FINISH REFER TO ID7.0 MILLWORK	CONTROL SAMPLE TO BE PROVIDED TO DESIGNER PRIOR TO FABRICATION SUPPLY AND INSTALL BY MILLWORKER

FURNITURE SCHEDULE

FIXTURE	SYMBOL	DESCRIPTION	MANUFACTURER / SUPPLIER	LOCATION	NOTES
	CH1	BAR STOOL COLLECTION / SERIES: BROOKE SEATING PRODUCT NAME: BROOKE BARSTOOL FRAME FINISH / COLOR: WOOD - NATURAL SEAT FINISH / COLOR: WOOD - NATURAL DIMENSIONS: 20.6" D X 19.7" W X 40",42" H SEAT HEIGHT: 31.5"	MANUFACTURER: GRAND RAPIDS CHAIR CONTACT: TEL: (604) 366-7998 WEB: WWW.GRANDRAPIDSCHAIR.COM EMAIL: NICOLE@MTSQUAREINTERIORS.COM	BAR STOOLS THROUGHOUT REFER TO ID2.0 FLOOR PLAN	SUPPLIED BY PARADIES LAGARDERE INSTALLED BY GC
	CH2	DINING CHAIR COLLECTION / SERIES: FERDINAND SEATING PRODUCT NAME: FERDINAND CHAIR WITH WOOD SEAT & BACK FRAME/ LEG FINISH / COLOR: METAL - COPPER BROWN SEAT FINISH / COLOR: WOOD - NATURAL DIMENSIONS: 21.5" D X 20" W X 31.4" H SEAT HEIGHT: 19" H	MANUFACTURER: GRAND RAPIDS CHAIR CONTACT: TEL: (604) 366-7998 WEB: WWW.GRANDRAPIDSCHAIR.COM EMAIL: NICOLE@MTSQUAREINTERIORS.COM	BANQUETTE REFER TO ID2.0 FLOOR PLAN	SUPPLIED BY PARADIES LAGARDERE INSTALLED BY GC
	T1	DINING TABLE TABLE TOP COLLECTION / SERIES: SPARTAN TABLE COLOR / FINISH: NATURAL DIMENSIONS: 24" X 30" TABLE HEIGHT: 30" OVERALL THICKNESS: 1-1/2" TABLETOP EDGE: EASED WITH METAL (MT1) TRIM TABLE BASE COLLECTION / SERIES: SPARTAN TABLE X-BASE BASE FINISH / COLOR: INK BLACK OR PC# MATERIAL: CAST IRON HEIGHT: DINING BASE ACCESSORIES: CROSS BASE WITH SELF LEVELERS PLUS FOOT PADS	MANUFACTURER: GRAND RAPIDS CHAIR CONTACT: TEL: (604) 366-7998 WEB: WWW.GRANDRAPIDSCHAIR.COM EMAIL: NICOLE@MTSQUAREINTERIORS.COM	REFER TO ID2.0 FLOOR PLAN	SUPPLIED BY PARADIES LAGARDERE INSTALLED BY GC
	T2	ADA DINING TABLE TABLE TOP (ADA) COLLECTION / SERIES: SPARTAN TABLE COLOR / FINISH: NATURAL DIMENSIONS: 30" X 48" TABLE HEIGHT: 30" OVERALL THICKNESS: 1-1/2" TABLETOP EDGE: EASED WITH METAL (MT1) TRIM TABLE BASE (POST): COLLECTION / SERIES: SPARTAN TABLE T-BASE (X2) TABLE BASE FINISH / COLOUR: INK BLACK OR PC# MATERIAL: CAST IRON HEIGHT: DINING BASE ACCESSORIES: T-BASE WITH SELF LEVELERS PLUS FOOT PADS	MANUFACTURER: GRAND RAPIDS CHAIR CONTACT: TEL: (604) 366-7998 WEB: WWW.GRANDRAPIDSCHAIR.COM EMAIL: NICOLE@MTSQUAREINTERIORS.COM	REFER TO ID2.0 FLOOR PLAN	TABLE BASE T-LEGS INNER DIMENSIONS TO BE MINIMUM 30" APART TO MEET ADA CODE SUPPLIED BY PARADIES LAGARDERE INSTALLED BY GC

ACCESSORIES SCHEDULE

FIXTURE	SYMBOL	DESCRIPTION	MANUFACTURER / SUPPLIER	LOCATION	NOTES
	ACC1	FAUX PLANTS - BANQUETTE COLLECTION: FIRE RESISTANT FOLIAGE PRODUCT NAME: 36" PATHOS BUSH QUANTITY: 24 COLLECTION: FIRE RESISTANT FOLIAGE PRODUCT NAME: 43" ZZ QUANTITY: 21 COLLECTION: FIRE RESISTANT FOLIAGE PRODUCT NAME: 34" CORDYLINE - LIGHT GREEN QUANTITY: 30	MANUFACTURER: BLOOM & FLOURISH CONTACT: LISA KWIECIEN TEL: (303) 929-3928 WEB: WWW. BLOOMANDFLOURISHCO.COM EMAIL: LISA@BLOOMANDFLOURISHCO.COM	MW5A BANQUETTE REFER TO ID2.0 FLOOR PLAN & ID7.0 MILLWORK DRAWINGS	SUPPLIED AND INSTALLED BY BLOOM & FLOURISH RANDOM INSTALLATION PER COORDINATION WITH PLANT INSTALLER
	ACC2	IMPULSE BINS AT QUEUING RAIL COLLECTION / SERIES: RACK'EM MOUNT ANYWHERE PRODUCT NAME: WIRE BASKET PRODUCT NUMBER: WBB2259575 COLOR: WHITE DIMENSIONS: 12" W X 6" D 4" H	MANUFACTURER: GLOBAL INDUSTRIAL CONTACT: WEB: WWW,GLOBALINDUSTRIAL.COM	MW1 STOREFRONT QUE RAIL REFER TO ID2.0 FLOOR PLAN & ID7.0 MILLWORK DRAWINGS	SUPPLIED AND INSTALLED BY MILLWORKER REFER TO ID7.0 MILLWORK DRAWINGS FOR MOUNTING ORIENTATION. MOUNTED TO QUEUING RAILS AT STOREFRONT. REFER TO ID2.0 FOR QUANTITIES.
	ACC3	PURSE & COAT HOOK PRODUCT NAME: BAR FACE PURSE & COAT HOOK - DOUBLE PRODUCT NUMBER: COATHOOK-2-BLK COLOR: MATTE BLACK	MANUFACTURER: KEGWORKS CONTACT: TEL: (877) 636-3673 WEB: WWW.KEGWORKS.COM	MW4 - BAR HEIGHT EATING COUNTER REFER TO ID2.0 FLOOR PLAN & ID7.0 MILLWORK DRAWINGS	SUPPLIED AND INSTALLED BY GC

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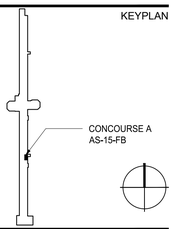

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2026.03.24	100% AIRPORT REVIEW	

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AS-15-FB
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FINISH & FURNITURE SCHEDULE

SHEET NUMBER

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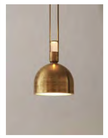
03/18/2026

LIGHTING SCHEDULE

LIGHT	SYMBOL	DESCRIPTION	MANUFACTURER / SUPPLIER	MOUNTING HEIGHT	NOTES
	L1	PENDANT LIGHT PRODUCT: BELL LAMP - SMALL FINISH: SAND (CORD: BROWN / CANOPY: WHITE) COLOR TEMPERATURE: 3500K LIGHT SOURCE: E27 / 9W BULB RECOMMENDED CORD: 4MM TEXTILE CORD DIMENSIONS: 14.5" H (37CM) X 13.8" DIAMETER (35CM) UL LISTED	MANUFACTURER: NORMANN COPENHAGEN TEL: +45 35 55 44 59 WEB: WWW.NORMANN-COPENHAGEN.COM CONTACT: SABA	SUSPENDED @ 5'-11" AFF.	BULBS NOT INCLUDED SUPPLIED BY PARADIES LAGARDERE INSTALLED BY GC
	L2	PENDANT LIGHT PRODUCT: ARIA 12" PENDANT FINISH: RAW BRASS CODE: CEI-114 COLOR TEMPERATURE: 3500K LUMENS: 2000 LIGHT SOURCE: 120V, E26 OR E27 SCREW BASE TYPE A MAX CABLE LENGTH: 118.1" DIMENSIONS: 12" L X 12" W X 15.75" H UL LISTED	MANUFACTURER: ALLIED MAKER TEL: WEB: WWW.ALLIEDMAKER.COM	SUSPENDED @ 6'-6" AFF	BULB INCLUDED SUPPLIED BY PARADIES LAGARDERE INSTALLED BY GC
	L3	4" ROUND LED DOWNLIGHT SERIES: INDY L4 SERIES PRODUCT: 4" ROUND RECESSED LED DOWNLIGHT FINISH: WHITE CODE: L4-23LM-35K-MVOLT-G4-80CRI-ZT-P-CS COLOR TEMPERATURE: 3500K CRI: 80+ REFLECTOR PART: L4 P CS ACCESSORIES: LB27	MANUFACTURER: ACUITY TEL: + 1 847-829-9880 WEB: WWW.ACUITYBRANDS.COM/INDY	RECESSED	SUPPLIED BY PARADIES LAGARDERE INSTALLED BY GC
	L4	LED 2X2 FLAT PANEL SERIES: METALUX 22FP 2X2 EDGE LIT PANEL SIZE: 2'X2' SHAPE: SQUARE PRODUCT #: 22FP3235C LUMENS: 3307 COLOR TEMPERATURE: 3500K LAMP TYPE: LED COMPLIANCE LISTING: LOW UGR ENVIRONMENTAL LISTING: DAMP LOCATION, IC, IP5X, ISO-5, NSF	MANUFACTURER: COOPER LIGHTING SOLUTIONS TEL: 800-334-6871 WEB: WWW.COOPERLIGHTING.COM	RECESSED	SUPPLIED BY PARADIES LAGARDERE INSTALLED BY GC
	L5	LED STRIP LIGHT SERIES: THINSTICK-LED CODE: THINSTICK-LED X" COLOUR TEMPERATURE: 3000K CRI: >94 LENGTHS: 8", 12", 24", 34", 46" SIZE: $\frac{5}{16}$" W X $\frac{5}{16}$" H	MANUFACTURER: HERA LIGHTING CONTACT: KEVIN MURRAY EMAIL: KM@HERALIGHTING.COM WEB: WWW.HERALIGHTING.COM	COVE LIGHT	SUPPLIED BY PARADIES LAGARDERE INSTALLED BY GC
	L6	LED STRIP LIGHT SERIES: CURVE-LED CODE: TAPE/CV07/**/3000 COLOR TEMPERATURE: 3000K CRI: 90 LENGTHS: CUSTOM TO SUIT - VERIFY ON SITE SIZE: $\frac{1}{8}$"	MANUFACTURER: HERA LIGHTING CONTACT: KEVIN MURRAY EMAIL: KM@HERALIGHTING.COM WEB: WWW.HERALIGHTING.COM	CURVED STRIP LIGHTING - MW5B LIGHT COVE	SEE INTERIOR DESIGN MILLWORK DETAILS (ID7.0) SUPPLIED BY PARADIES LAGARDERE INSTALLED BY GC
	L7	LED 2X2 FLAT PANEL SERIES: METALUX 22FP 2X2 EDGE LIT PANEL SIZE: 2'X2' SHAPE: SQUARE PRODUCT #: 22FP3235C LUMENS: 3307 COLOR TEMPERATURE: 3500K LAMP TYPE: LED COMPLIANCE LISTING: LOW UGR ENVIRONMENTAL LISTING: DAMP LOCATION, IC, IP5X, ISO-5, NSF	MANUFACTURER: COOPER LIGHTING SOLUTIONS TEL: 800-334-6871 WEB: WWW.COOPERLIGHTING.COM	SURFACE MOUNTED	SUPPLIED BY PARADIES LAGARDERE INSTALLED BY GC

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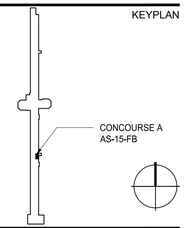

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2026.02.09	60% AIRPORT REVIEW	
2026.03.24	100% AIRPORT REVIEW	

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ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
LIGHTING SCHEDULE

SHEET NUMBER

ID 1.2

PROJECT NUMBER	1808

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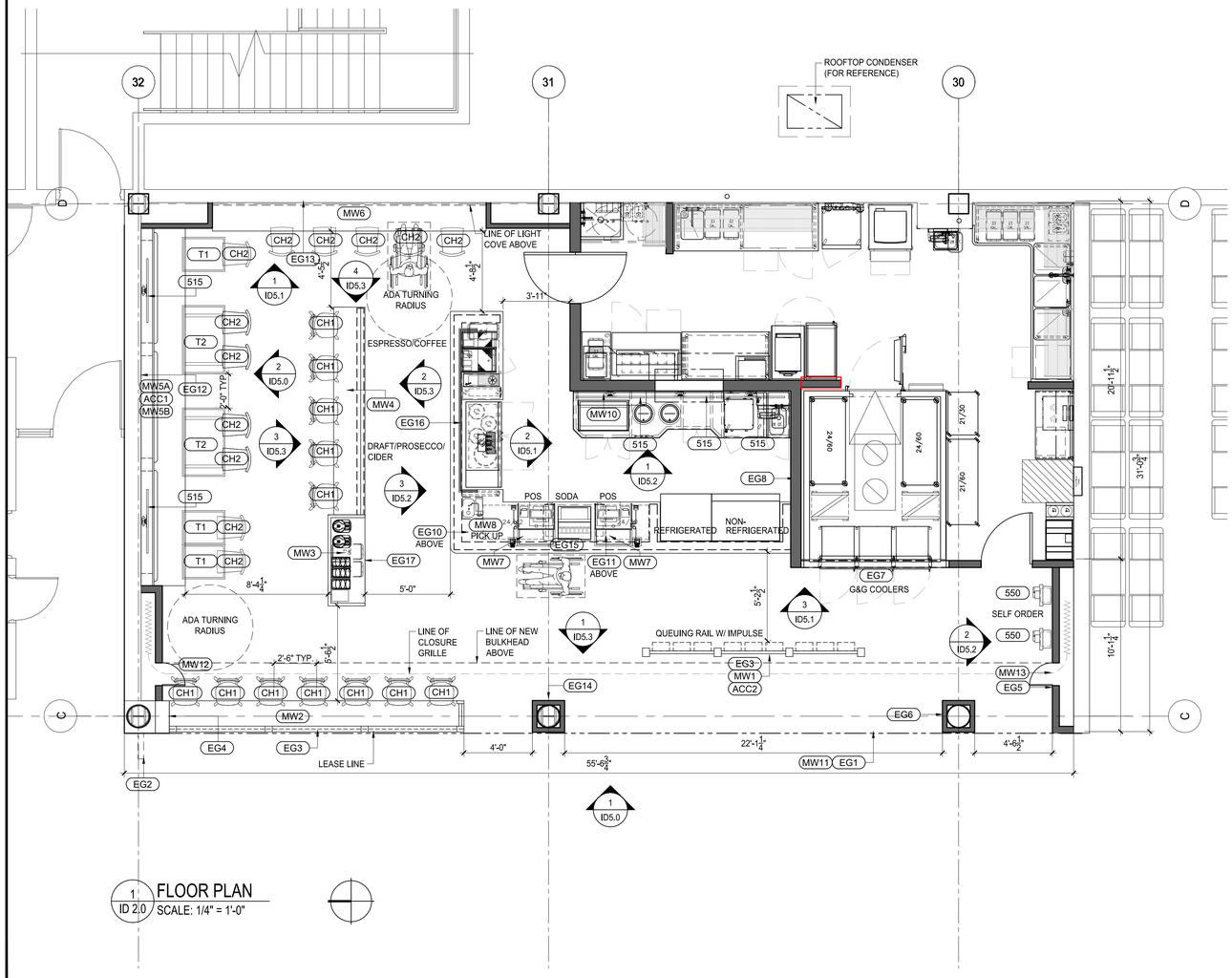
04/06/2026



1 ID 2.0 FLOOR PLAN
SCALE: 1/4" = 1'-0"

ACCESSORY SCHEDULE

NUMBER	QTY.	DESCRIPTION
ACC1	1	FAUX PLANTS
ACC2	9	IMPULSE BINS
ACC3	11	PURSE & COAT HOOK

FURNITURE SCHEDULE

NUMBER	QTY.	DESCRIPTION
CH1	12	BAR HT. STOOL
CH2	12	DINING HT. CHAIR
T1	3	DINING TABLE
T2	2	DINING TABLE - ADA

NOTE: REFER TO ID1.0 FURNITURE, FIXTURE AND ACCESSORIES SCHEDULE FOR FURTHER INFORMATION

MILLWORK SCHEDULE

NUMBER	QTY.	DESCRIPTION
MW1	1	QUEING GLAZING RAIL W/ IMPULSE
MW2	1	BAR HEIGHT EATING COUNTER W/ GLAZING RAIL
MW3	1	CONDIMENT STATION
MW4	1	BAR HEIGHT EATING COUNTER
MW5A	1	BANQUETTE W/ PLANTER
MW5B	1	ARCH PANELS
MW6	1	DINING HEIGHT EATING COUNTER
MW7	2	POS SHROUD
MW8	1	SERVICE COUNTERTOP
MW9		NOT USED
MW10	1	DISPLAY SHELF
MW11	1	STOREFRONT PANELS
MW12	1	CLOSURE POCKET DOOR - BLUE
MW13	1	CLOSURE POCKET DOOR - WHITE

NOTE: REFER TO MILLWORK DRAWINGS ID7.0 FOR DETAILED MILLWORK INFORMATION

ENVIRONMENTAL GRAPHICS SCHEDULE

NUMBER	QTY.	DESCRIPTION
EG1	1	STOREFRONT SIGN
EG2	1	BLADE SIGN
EG3	2	GLAZING VINYL
EG4	1	WALL GRAPHIC 1
EG5	1	WALL GRAPHIC 2
EG6	1	COLUMN SIGN
EG7	1	GRAB & GO SIGN
EG8	1	WALL EMBLEM SIGN
EG9	1	NOT USED
EG10	1	PICK UP SIGN
EG11	1	ORDER SIGN
EG12	1	BRAND LOGO SIGN
EG13	1	BRAND MURAL GRAPHIC
EG14	1	"NO ALCOHOL" SIGN*
EG15	1	SNAP FRAME
EG16	1	GLAZING VINYL 2
EG17	1	WASTE / RECYCLING ICON SIGNAGE

NOTE: REFER TO ENVIRONMENTAL GRAPHICS PACKAGE FOR DETAILED GRAPHICS INFORMATION

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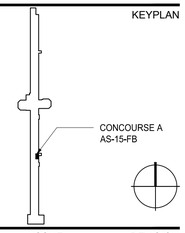

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2025.10.27	60% COORDINATION REVIEW	
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AS-15-FB
CORNER CAFE
FLOOR PLAN

SHEET NUMBER

ID 2.0

PROJECT NUMBER	1808

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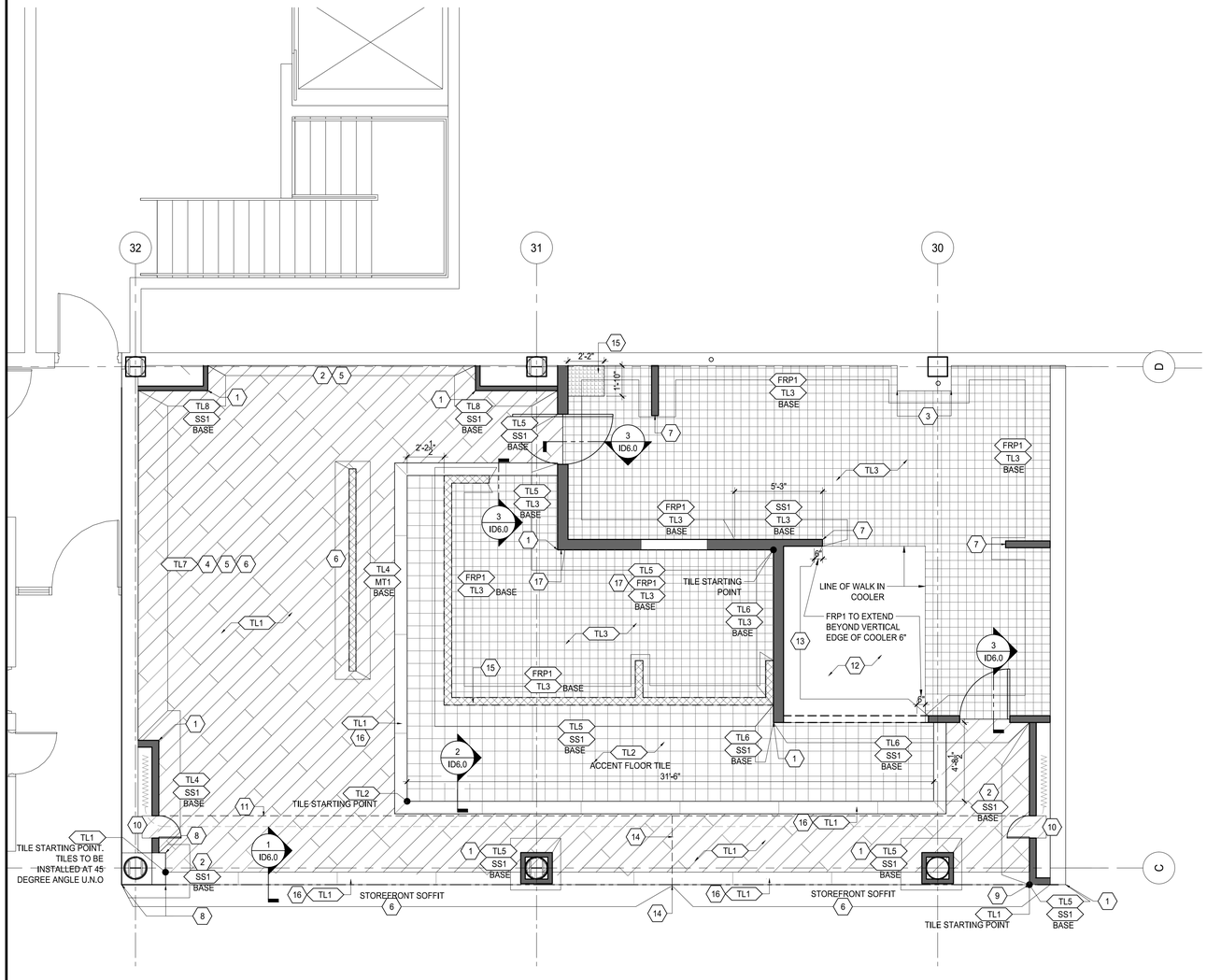

1 ID 4.0 FINISH PLAN
SCALE: 1/4" = 1'-0"

FINISH LEGEND

SYMBOL	DESCRIPTION
ACT1	ACOUSTIC CEILING TILE - WHITE
ACT2	BOH ACOUSTIC CEILING TILE - WHITE
FRP1	FIBERGLASS REINFORCED PANEL - WHITE
GL1	GLASS - VIVID SAPPHIRE
MT1	METAL LAMINATE - AGED BRASS
PL1	PLASTIC LAMINATE - AGED ASH
PL2	PLASTIC LAMINATE - NEW WHITE
PL3	PLASTIC LAMINATE - ADOBE
P1	PAINT - SIMPLY WHITE
P2	NOT USED
P3	PAINT - RUST
P4	PAINT - VAN DEUSEN BLUE
PC1	POWDER COATING - SIGNAL WHITE
PC2	POWDER COATING - BRIGHT RED ORANGE
SSF1	SOLID SURFACE QUARTZ - WHITE ATTICA
SS1	STAINLESS STEEL
TL1	TILE - NATURAL RECTANGLE
TL2	TILE - LAPAZ WHITE & BLUE HERALD
TL3	QUARRY TILE - ASHEN GREY
TL4	WALL TILE - LINEAR INDIGO
TL5	WALL TILE - COCONUT
TL6	WALL TILE - COTTO
TL7	WALL TILE - 3D CREAM
TL8	WALL TILE - NATURAL CHEVRON
UP1	UPHOLSTERY - PAPAYA

NOTE: REFER TO FF&E SPECIFICATION FOR DETAILED FINISH INFORMATION

KEY NOTES

NO.	DESCRIPTION
1	TILE CORNER GUARD TRANSITION. REFER TO DETAIL 9/ID6.0
2	HPL ENVIRONMENTAL WALL GRAPHIC PANEL APPLIED TO WALL. WALL TO BE PREPPED PRIMED AND MADE READY FOR VINYL APPLICATION. SEE ELEVATIONS FOR HEIGHTS.
3	BOH WALL CORNER GUARD DETAIL BY GC.
4	WALL TILE INFILL APPLIED TO WALL WITHIN ARCHES ONLY. TILE TO STOP BEFORE MILLWORK. REFER TO 2/ID5.0 ELEVATIONS FOR DETAILS.
5	PRIME WALL BEHIND MILLWORK ONLY. NO BASE REQUIRED. SEE ELEVATIONS FOR HEIGHTS OF MILLWORK.
6	PL1 & PC2 WALL PANELING PROVIDED AND INSTALLED BY MILLWORKER. PREP AND PRIME SURFACE TO RECEIVE FINISH. REFER TO MILLWORK DRAWINGS ID7.6 FOR DETAILS.
7	STAINLESS STEEL WALL END CAP BY GC.
8	GRAPHIC CORNER GUARD. REFER TO DETAIL 10/ID6.0
9	TILE TO GRAPHIC CORNER GUARD. REFER TO DETAIL 8/ID6.0
10	TILE AS NOTED TO CONTINUE 12" INTO CLOSURE GRILLE POCKET
11	LINE OF SOFFIT ABOVE
12	WALK IN COOLER WITH INTEGRAL FLOORING - REFER TO FS DRAWINGS. SEAL CONCRETE FLOORING UNDERNEATH COOLER BOX.
13	WALLS TO BE PRIMED PRIOR TO WALK IN COOLER INSTALLATION
14	LINE OF PL1 & PC2 SOFFIT FINISH TRANSITION ABOVE BY MWC
15	FOOD SERVICE BASE. FLOORING TO COVE UP PERIMETER OF BASE. NO FLOORING IN THIS AREA. REFER TO FS 4.1 FOR EXACT LOCATION.
16	TL1 TO BE INSTALLED IN A STRAIGHT ALIGNMENT WHERE INDICATED, AS A BORDER AND TRANSITION TO ADJACENT FINISHES 1 TILE WIDTH.
17	REFER TO 1/ID5.2 FOR THE FINISH EXTENTS OF FRP1 AND TL5.

FINISH NOTES

1. DRAWINGS TO BE READ IN CONJUNCTION WITH FF&E SPECIFICATIONS AND BASE BUILDING AUTHORITY/ LANDLORD'S DEVELOPMENT GUIDELINES.
2. GENERAL CONTRACTOR TO SUBMIT SAMPLES OF FINISHES INDICATED IN FF&E FOR APPROVAL BY PRIME CONSULTANT PRIOR TO INSTALLATION OR FABRICATION.
3. ALL MATERIALS LISTED TO BE USED AS SPECIFIED. ANY ALTERNATES TO BE SUBMITTED TO PRIME CONSULTANT FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION.
4. ALL EXISTING EXPANSION JOINTS TO REMAIN INTACT. ANY NEW FLOORING MATERIAL INSTALLED MUST BE INSTALLED TO RESPECT EXPANSION JOINTS.
5. PROVIDE TRANSITION STRIPS AT MATERIAL CHANGES AS NOTED ON PLAN. REFER TO DETAILS & BASE BUILDING AUTHORITY/ LANDLORD'S DEVELOPMENT GUIDELINES.
6. ALL FLOORING TRANSITIONS SHALL OCCUR UNDER THE CENTER LINE OF DOORS U.N.O.
7. FEATHER CONCRETE FLOORS WITH CONCRETE TOPPING AS REQ'D TO MEET ADJACENT FLOORING MATERIALS. CHIP OUT CONCRETE WHERE ALLOWABLE TO PROVIDE FLUSH FINISH AT ADJACENT FLOOR FINISHES. REFER TO BASE BUILDING AUTHORITY OR LANDLORD GUIDELINES.
8. ALL FLOOR FINISHES SHALL BE INSTALLED UNDER MILLWORK CABINETS, PRIOR TO THE INSTALLATION OF MILLWORK UNLESS DETAILED OTHERWISE.
9. WHERE A PAINT FINISH IS INDICATED, APPLIED 1 COAT PRIMER AND 2 FINISH COAT'S OR MORE AS REQ'D FOR COMPLETE AND CONSISTENT COVERAGE.
10. REMOVE ALL SURFACE APPLIED ACCESSORIES, COVER PLATES & OTHER DEVICES PRIOR TO PREPARING WALLS FOR NEW FINISHES. RE-INSTALL AFTER FINISHING IS COMPLETE.
11. EXPOSED SURFACES OF PAINT GRADE GRILLES AND DIFFUSERS ARE TO BE PAINTED TO MATCH THE WALL OR CEILING COLOR.
12. DO NOT PAINT ANY FIXTURES, DOORS, TRIM OR OTHER ITEMS WHICH ALREADY HAS A NATURAL METAL FINISH, UNLESS SPECIFIED.
13. CONTRACTOR TO SUPPLY CLIENT WITH LEFTOVER PAINT +/- 1L OF WALL COLOURS FOR FUTURE TOUCH UPS.
14. PROVIDE MANUFACTURER'S MAINTENANCE DATA FOR ALL FINISHES TO CLIENT AT THE COMPLETION OF THE PROJECT.
15. WHEN VINYL WRAP GRAPHIC IS TO BE INSTALLED, WALL TO BE FINISHED TO A LEVEL 5 FINISH. WALLS TO BE PAINTED AND CURED AS PER SIGNAGE CONTRACTORS GUIDELINES. GC TO COORDINATE WITH SIGNAGE CONTRACTOR.
16. WATERPROOFING / MEMBRANE TO BE INSTALLED / APPLIED IN ALL BOH FOOD SERVICE AREAS. IN FRONT OF HOUSE FOOD SERVICE AREAS FROM BOH WALL TO SERVICE SIDE OF COUNTER / BAR DIE WALL. FREE STANDING BARDS SHOULD HAVE WATERPROOFING / MEMBRANE TO SERVICE SIDE ONLY. IN ALL INSTALLATIONS THE WATERPROOFING / MEMBRANE SHOULD CONTINUE UP WALL AND EQUIPMENT BASE 5" OR 125MM. MUST BE INSTALLED BEFORE WALL FINISH IS APPLIED.

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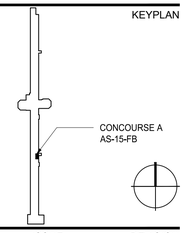

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CORNER CAFE
FINISH PLAN

SHEET NUMBER

ID 4.0

PROJECT NUMBER 1808

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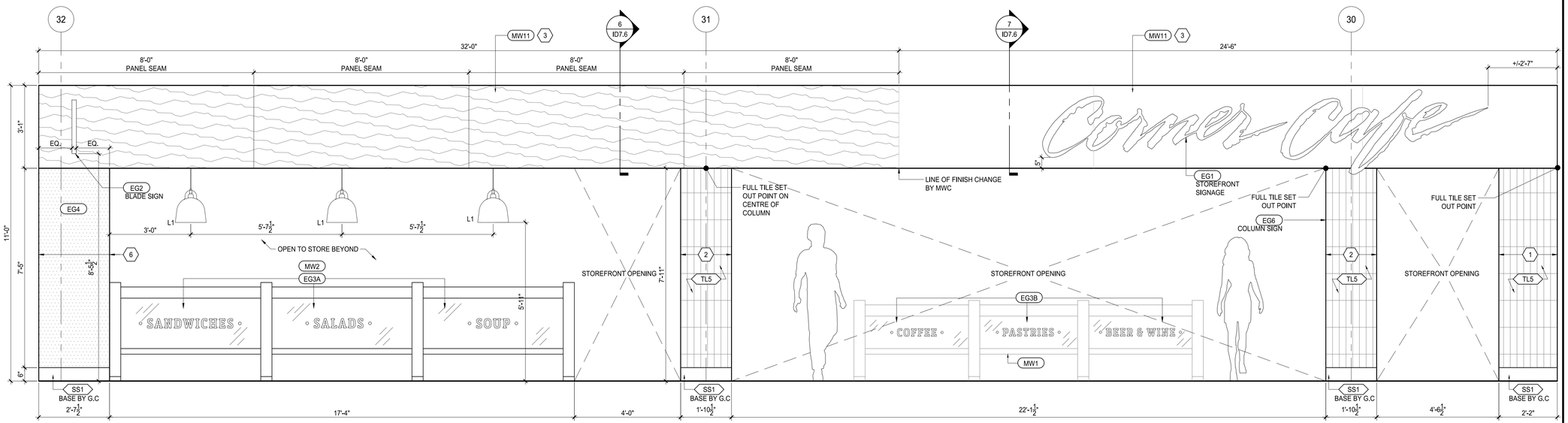
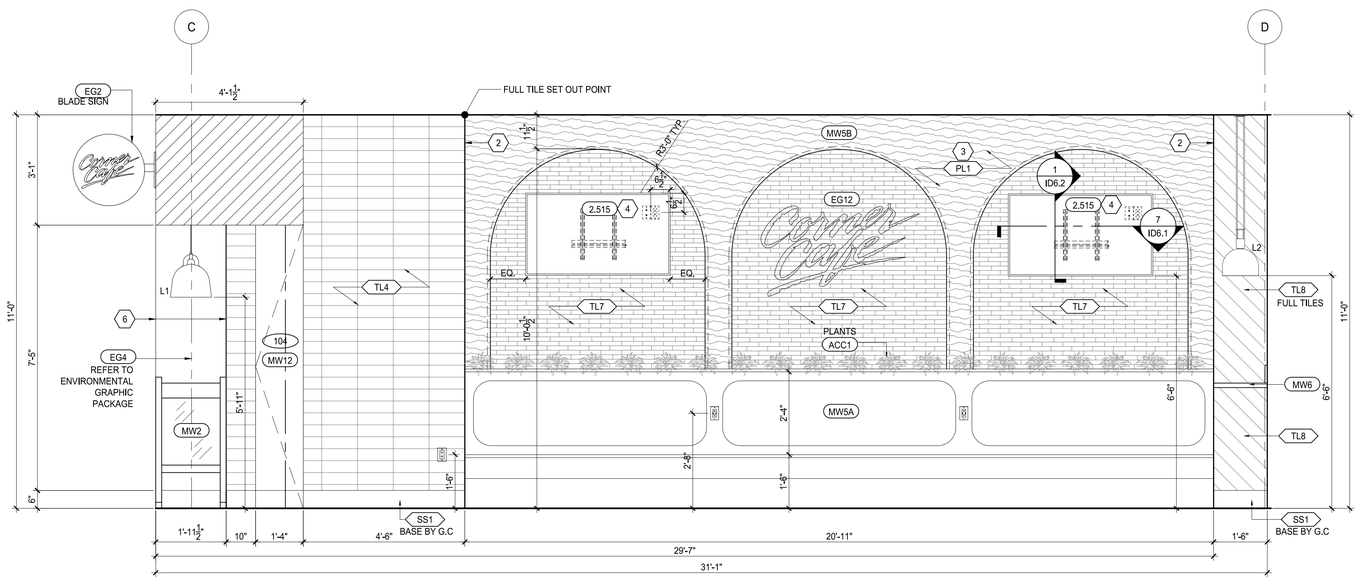
KEY NOTES

NO.	DESCRIPTION
1	TILE TO EG CORNER GUARD, REFER TO DETAIL 8/ID6.0
2	TILE TO TILE CORNER GUARD, REFER TO DETAIL 9/ID6.0
3	MILLWORK PANELS, SEE ID7.6 FOR DETAILS
4	NO WALL TILE INSTALLED BEHIND TV DUE TO DEPTH & DIMENSION OF TILE SPECIFICATION, SEE ID6.1 & ID6.2 DETAILS. REFER TO ELEVATION FOR LOCATION OF PAINTED PLYWOOD AREA.
5	NOT USED
6	EG TO EG CORNER GUARD, REFER TO DETAIL 10/ID6.0



1 ID 5.0 STOREFRONT ELEVATION
SCALE: 1/2" = 1'-0"



2 ID 5.0 FEATURE BANQUETTE ELEVATION
SCALE: 1/2" = 1'-0"

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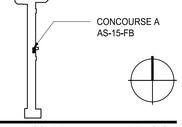

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AS-15-FB
CORNER CAFE
ELEVATIONS

SHEET NUMBER

ID 5.0

PROJECT NUMBER	1808

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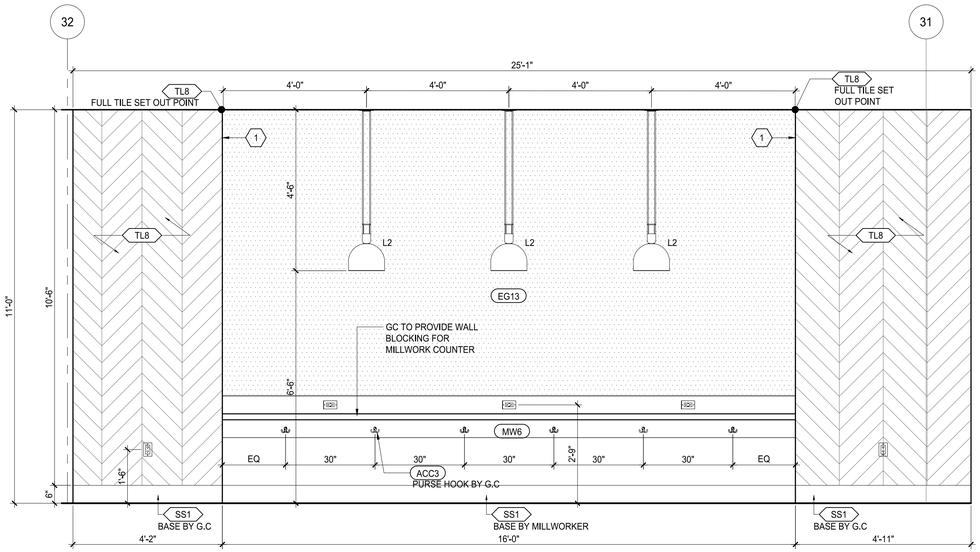
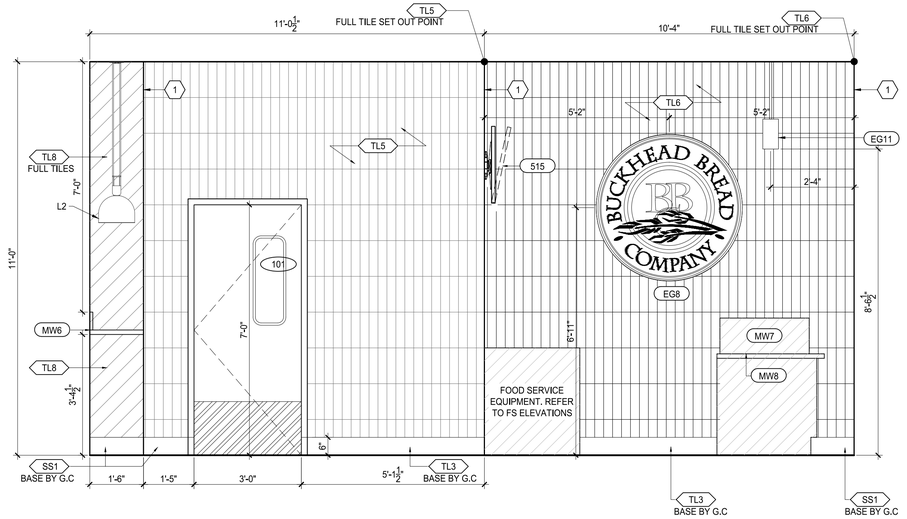
03/18/2026

KEY NOTES

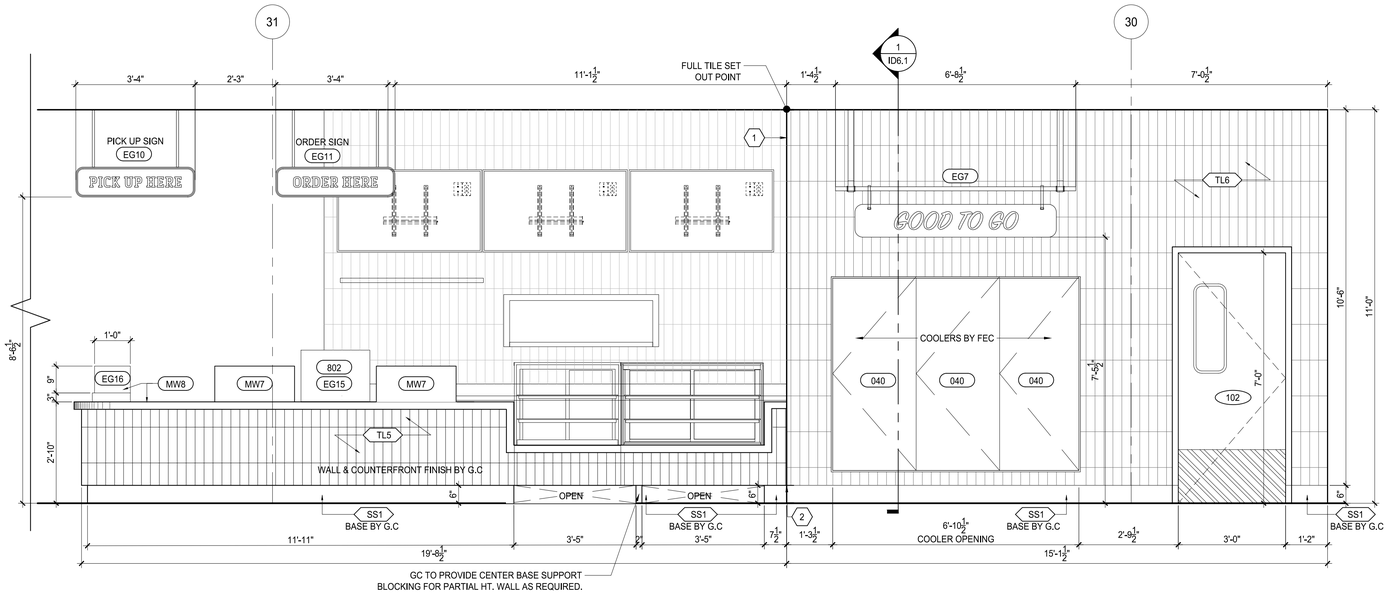
NO.	DESCRIPTION
1	TILE TO TILE CORNER GUARD, REFER TO DETAIL 9/ID6.0
2	GROUT LINES OF TILE ON WALL AND COUNTERFRONT TO ALIGN PER ELEVATIONS.
3	NOT USED



1 EATING RAIL ELEVATION
ID 5.1 SCALE: 1/2" = 1'-0"



2 KITCHEN ENTRANCE & BACK SERVICE COUNTER ELEVATION
ID 5.1 SCALE: 1/2" = 1'-0"



3 FRONT SERVICE COUNTER & GG COOLERS ELEVATION
ID 5.1 SCALE: 1/2" = 1'-0"

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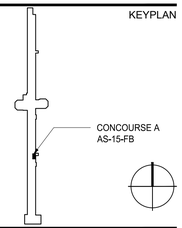
KEYPLAN



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2025.07.10	30% CLIENT REVIEW	
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2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
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ATL HARTSFIELD-JACKSON AS-15-FB CORNER CAFE ELEVATIONS

SHEET NUMBER

ID 5.1

PROJECT NUMBER	1808

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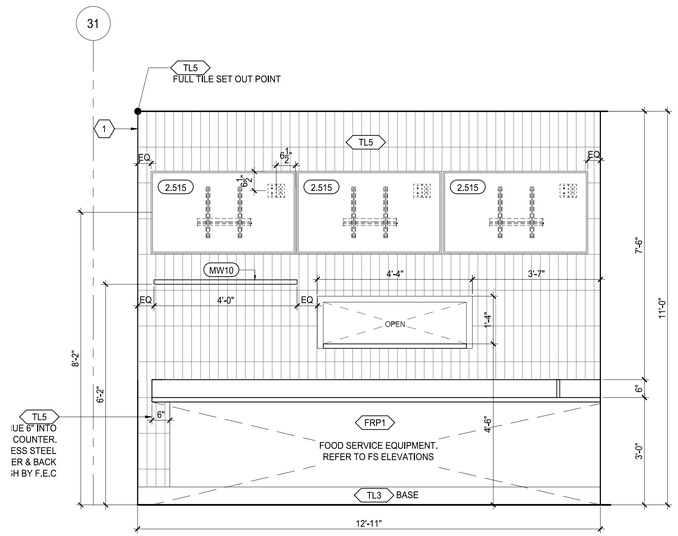
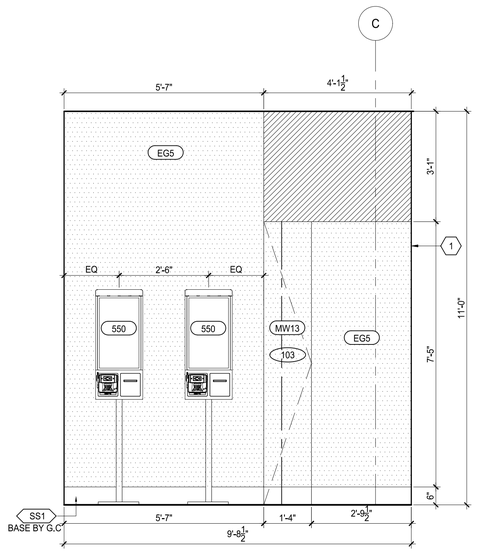
03/18/2026

KEY NOTES

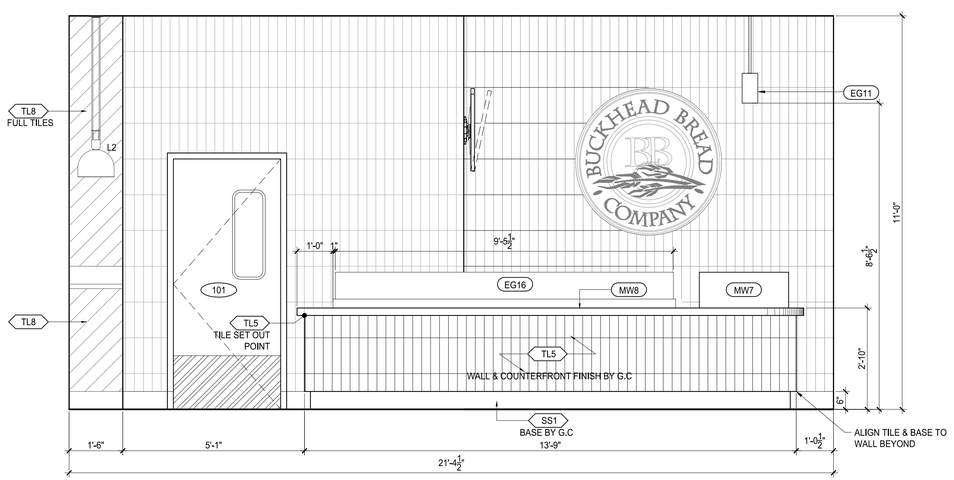
NO.	DESCRIPTION
1	TILE TO EG CORNER GUARD, REFER TO DETAIL 8/ID6.0
2	TILE TO TILE CORNER GUARD, REFER TO DETAIL 9/ID6.0
3	TILE TO BE INSTALLED BEHIND MENU BOARD SCREENS



1 ID 5.2 **BACK SERVICE COUNTER ELEVATION**
SCALE: 1/2" = 1'-0"



2 ID 5.2 **SELF-ORDER KIOSK ELEVATION**
SCALE: 1/2" = 1'-0"



3 ID 5.2 **FRONT COUNTER ELEVATION**
SCALE: 1/2" = 1'-0"

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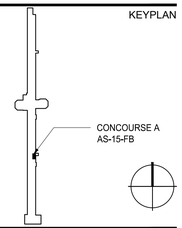
KEYPLAN



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ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
ELEVATIONS

SHEET NUMBER

ID 5.2

PROJECT NUMBER	1808

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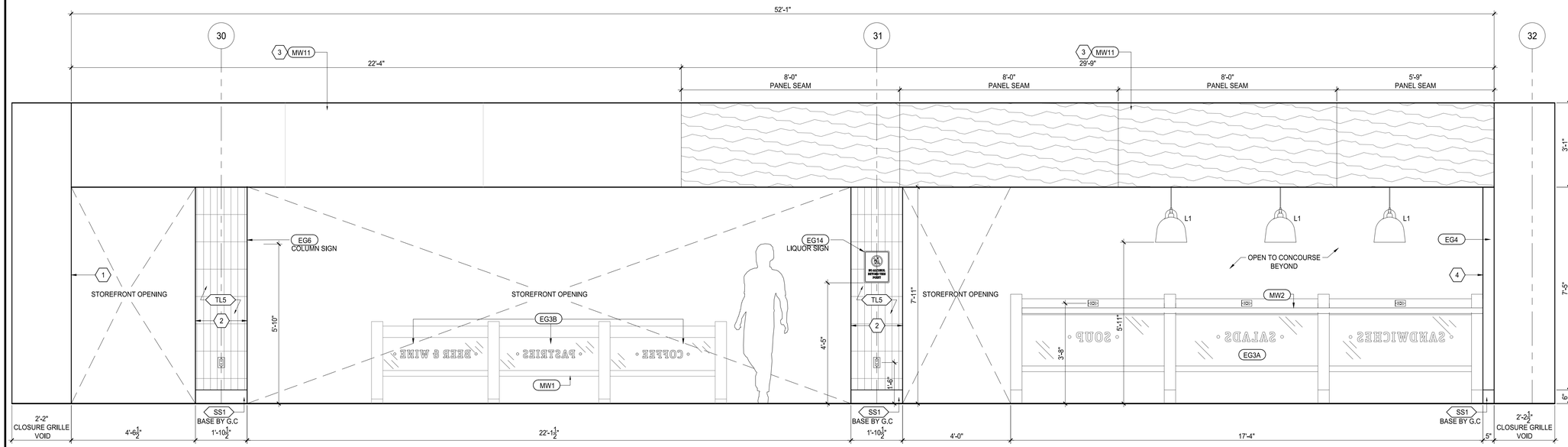
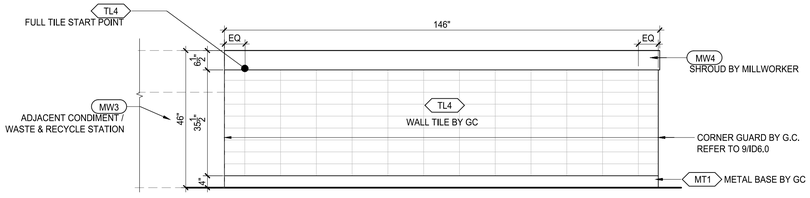
03/18/2026

KEY NOTES

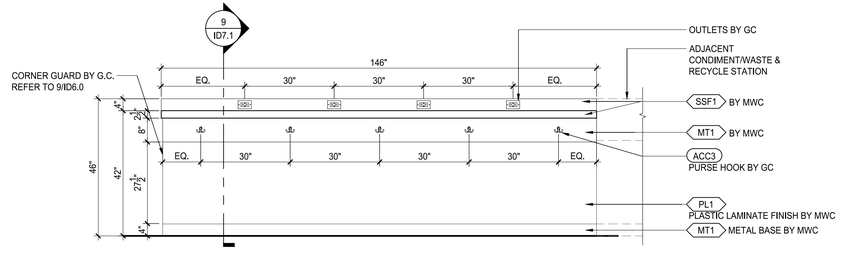
NO.	DESCRIPTION
1	TILE TO EG CORNER GUARD, REFER TO DETAIL 8/ID6.0
2	TILE TO TILE CORNER GUARD, REFER TO DETAIL 9/ID6.0
3	MILLWORK PANELS, SEE ID7.0 FOR DETAILS
4	EG TO EG CORNER GUARD, REFER TO DETAIL 10/ID6.0



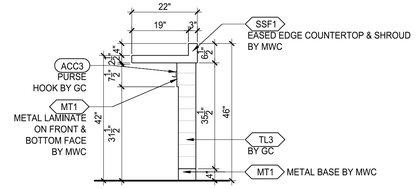
1 ID 5.3 **INTERIOR STOREFRONT ELEVATION**
SCALE: 1/2" = 1'-0"



2 ID 5.3 **PARTIAL HT. WALL ELEVATION**
SCALE: 1/2" = 1'-0"



3 ID 5.3 **PARTIAL HT. WALL ELEVATION**
SCALE: 1/2" = 1'-0"



4 ID 5.3 **PARTIAL HT. WALL ELEVATION**
SCALE: 1/2" = 1'-0"

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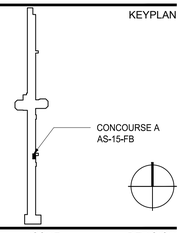

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ELEVATIONS

SHEET NUMBER

ID 5.3

PROJECT NUMBER	1808

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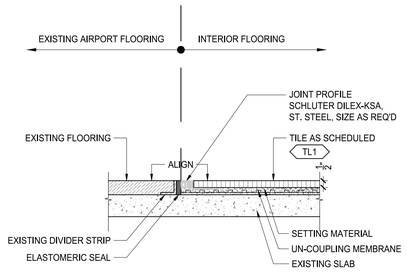
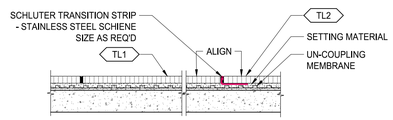
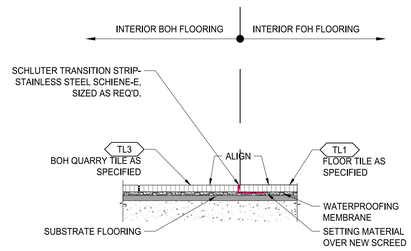


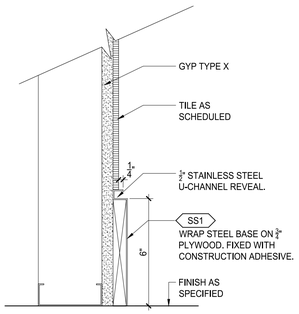
1 ID 6.0 **DETAIL - AIRPORT FLOOR TO NEW TILE**
SCALE: 3" = 1'-0"



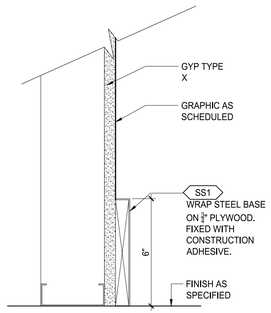
2 ID 6.0 **DETAIL - ACCENT TILE TO FOH TILE**
SCALE: 3" = 1'-0"



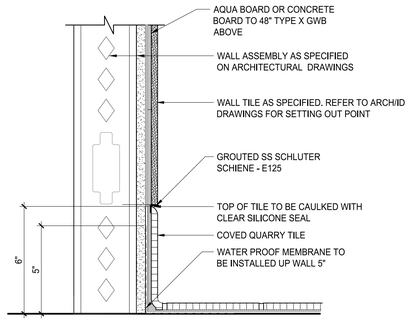
3 ID 6.0 **DETAIL - BOH QUARRY TILE TO NEW TILE**
SCALE: 3" = 1'-0"



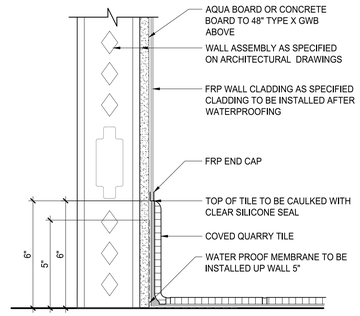
4 ID 6.0 **DETAIL: SS1 WALL BASE @ WALL TILE**
SCALE: 6" = 1'-0"



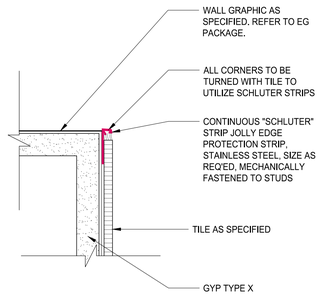
5 ID 6.0 **DETAIL: SS1 BASE @ GRAPHIC WALL**
SCALE: 6" = 1'-0"



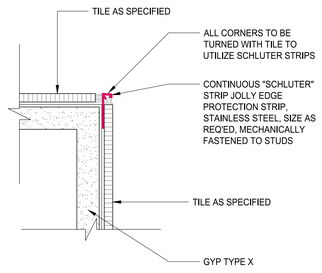
6 ID 6.0 **DETAIL: BOH TL3 BASE TO TL3 TILE**
SCALE: 6" = 1'-0"



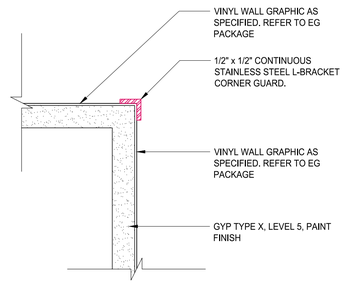
7 ID 6.0 **DETAIL: BOH TL3 BASE TO FRP1**
SCALE: 6" = 1'-0"



8 ID 6.0 **DETAIL: CORNER GUARD @ TILE TO EG**
SCALE: 6" = 1'-0"



9 ID 6.0 **DETAIL: CORNER GUARD @ TILE TO TILE**
SCALE: 6" = 1'-0"



10 ID 6.0 **DETAIL: CORNER GUARD @ VINYL GRAPHICS**
SCALE: 6" = 1'-0"

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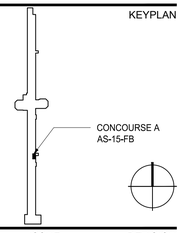

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CORNER CAFE
SECTIONS & DETAILS

SHEET NUMBER
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PROJECT NUMBER	1808

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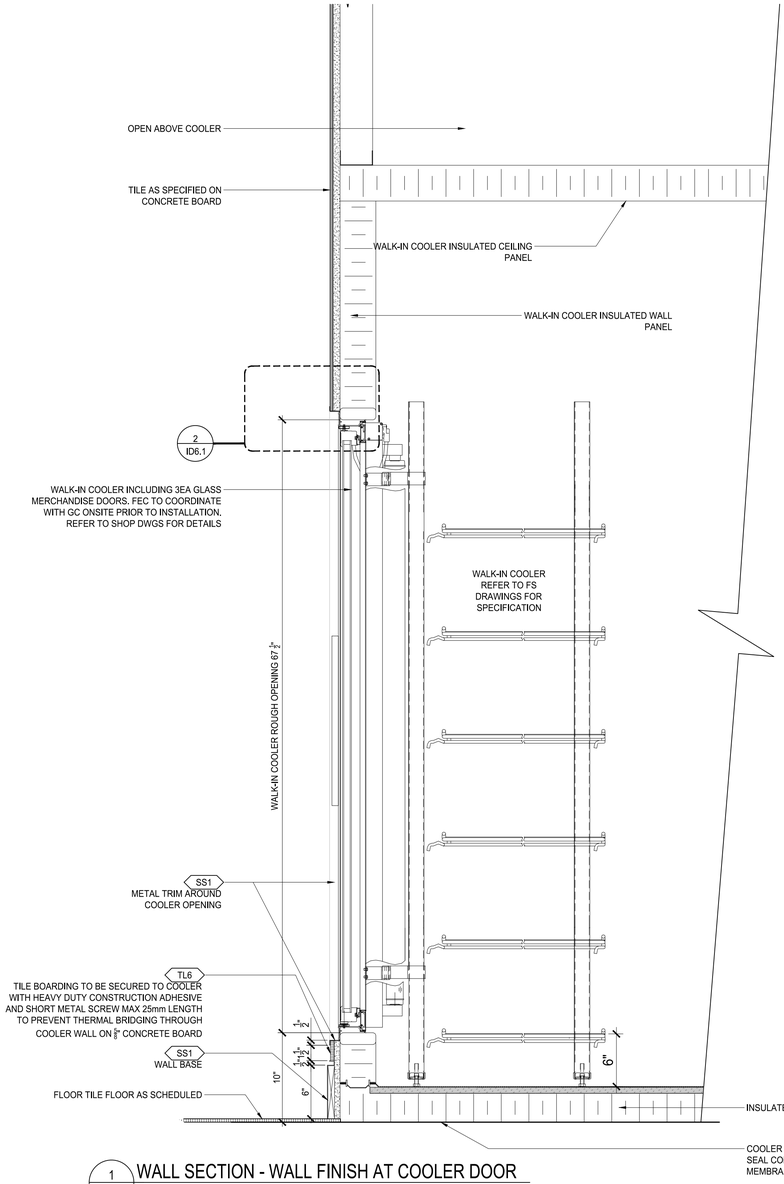
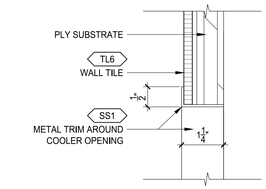
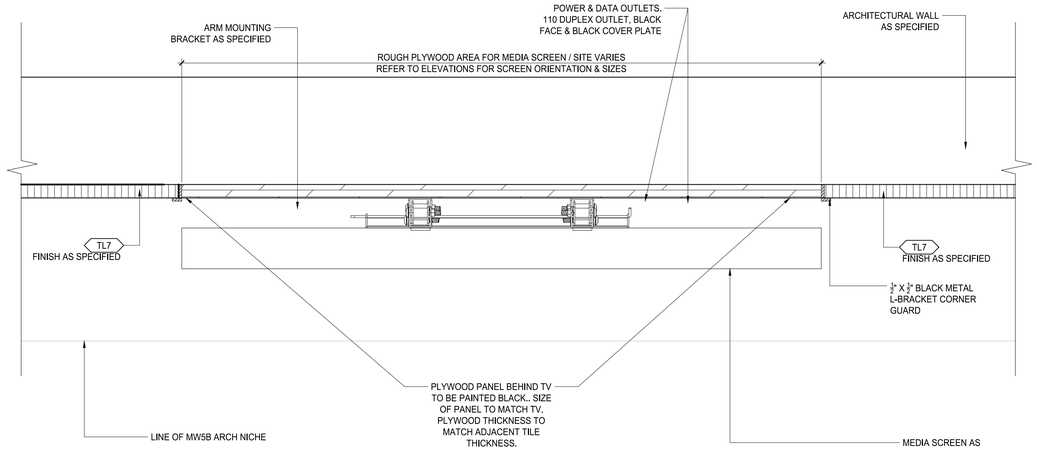


1 ID 6.1 WALL SECTION - WALL FINISH AT COOLER DOOR
SCALE: 1 1/2" = 1'-0"



2 ID 6.1 DETAIL - COOLER OPENING TRIM
SCALE: 6" = 1'-0"



3 ID 6.1 DETAIL : TV FEATURE WALL - MOUNTING & FINISH SECTION
SCALE: 3" = 1'-0"

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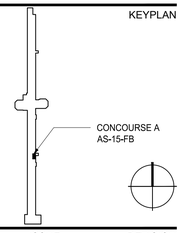

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SECTIONS & DETAILS

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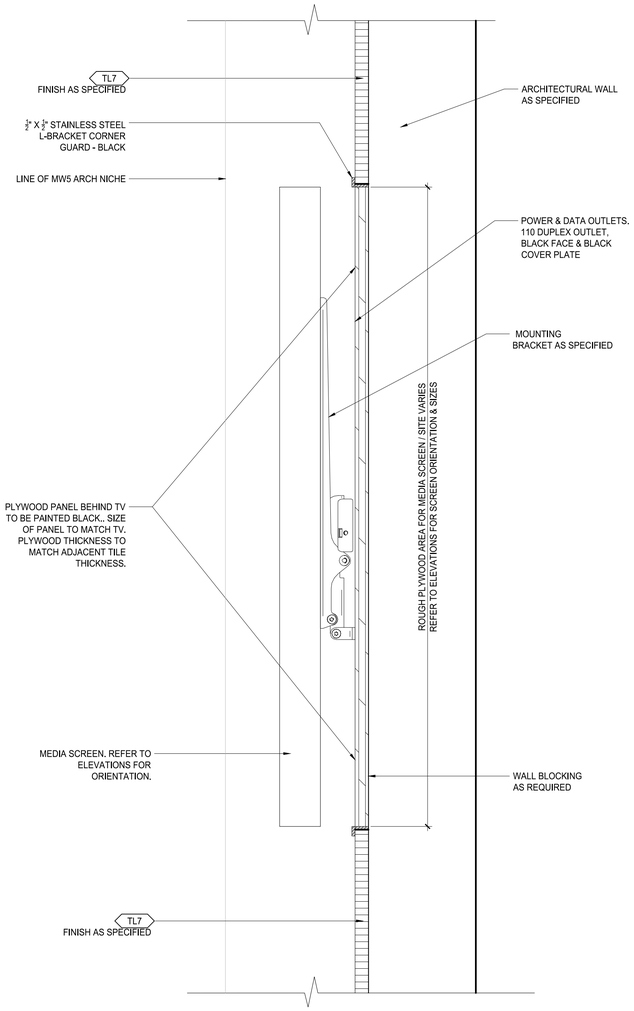
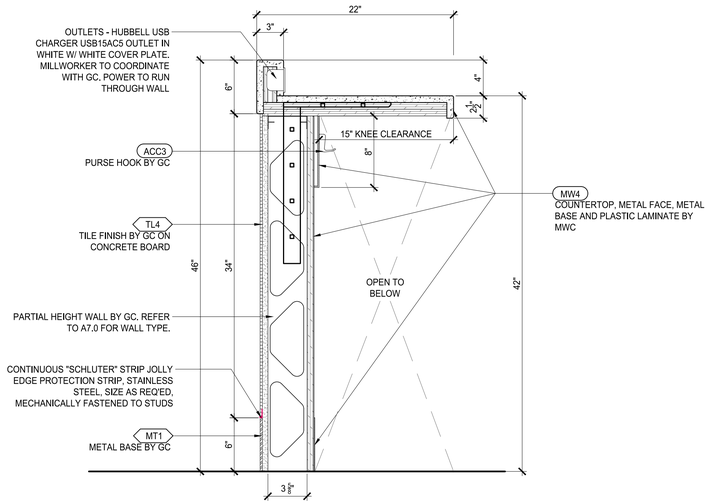
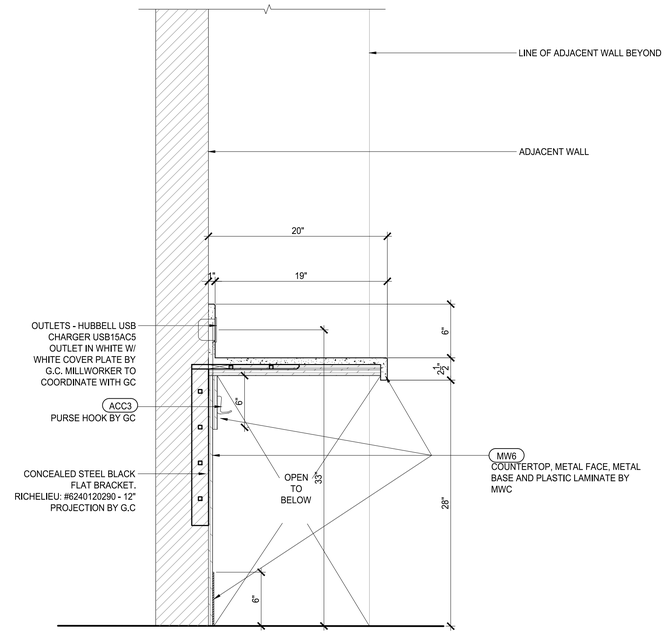


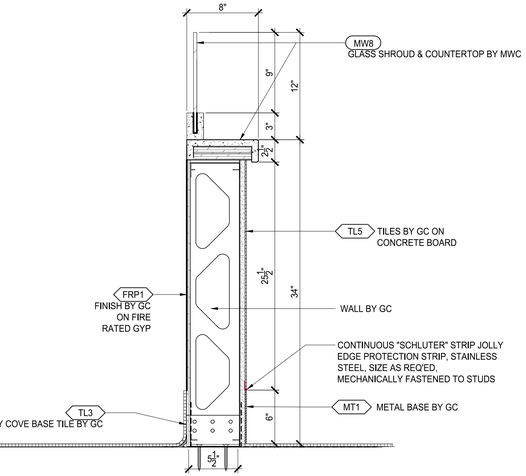
1 ID 6.2 DETAIL : TV FEATURE WALL - MOUNTING & FINISH SECTION
SCALE: 3" = 1'-0"



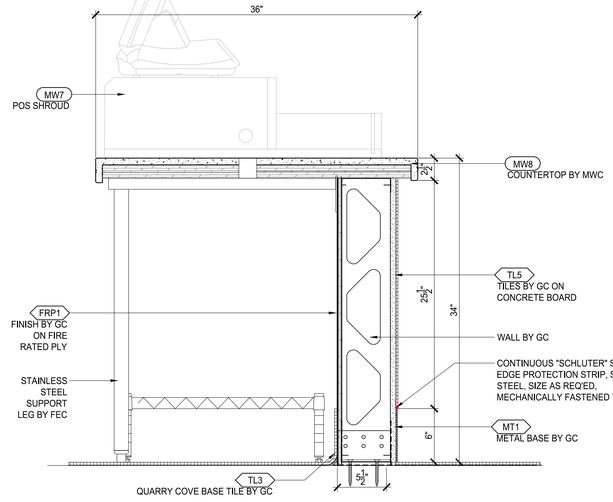
2 ID 6.2 SECTION : PARTIAL HT. WALL FINISHES-MW4
SCALE: 1 1/2" = 1'-0"



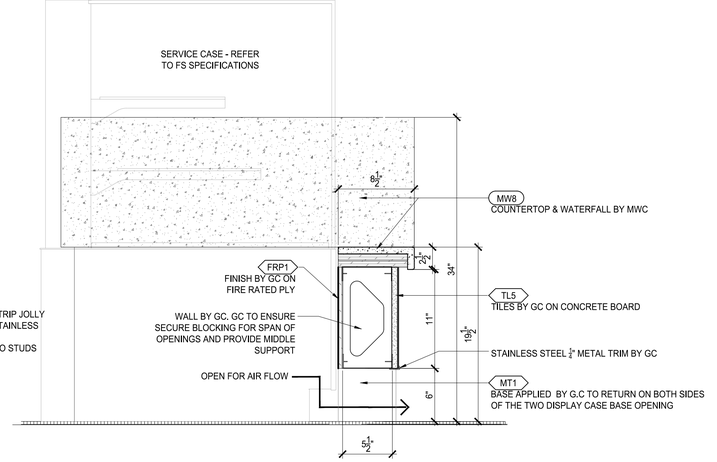
3 ID 6.2 SECTION : PARTIAL HT. WALL FINISHES-MW6
SCALE: 1 1/2" = 1'-0"



4 ID 6.2 SECTION : PARTIAL HT. WALL FINISHES-MW8
SCALE: 1 1/2" = 1'-0"



5 ID 6.2 SECTION : PARTIAL HT. WALL FINISHES-MW8
SCALE: 1 1/2" = 1'-0"



6 ID 6.2 SECTION : PARTIAL HT. WALL FINISHES-MW8
SCALE: 1 1/2" = 1'-0"

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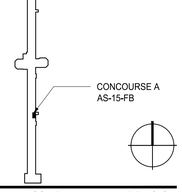

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2026.02.04	60% OFI PRE-BID	
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2026.03.24	100% AIRPORT REVIEW	

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ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
SECTIONS & DETAILS

SHEET NUMBER

ID 6.2

PROJECT NUMBER	1808

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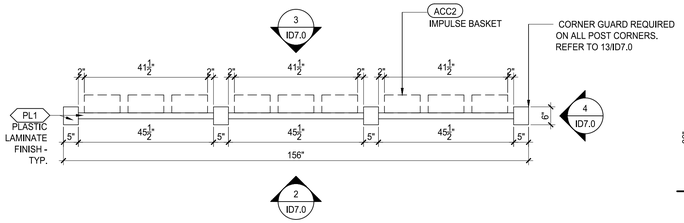
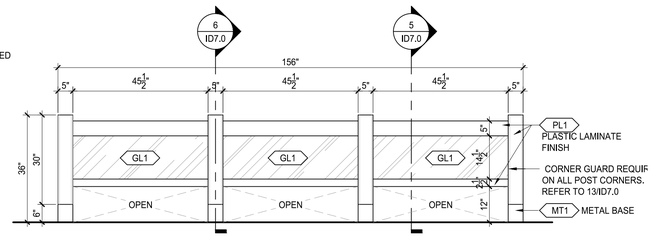
03/18/2026

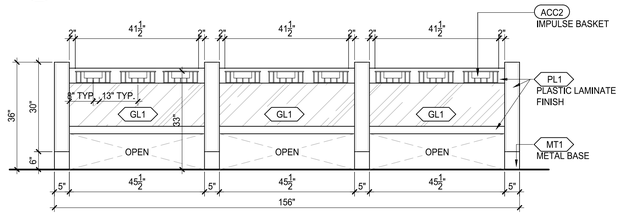
NOTE: ALL PLYWOOD USED IN MILLWORK TO BE FIRE RATED



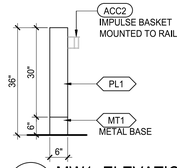
1 ID 7.0 MW1: QUEUEING GLAZING RAIL W/ IMPULSE - PLAN
SCALE: 1/2" = 1'-0"



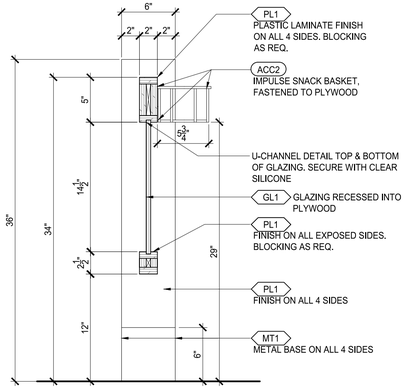
2 ID 7.0 MW1: QUEUEING GLAZING RAIL W/ IMPULSE - ELEVATION
SCALE: 1/2" = 1'-0"



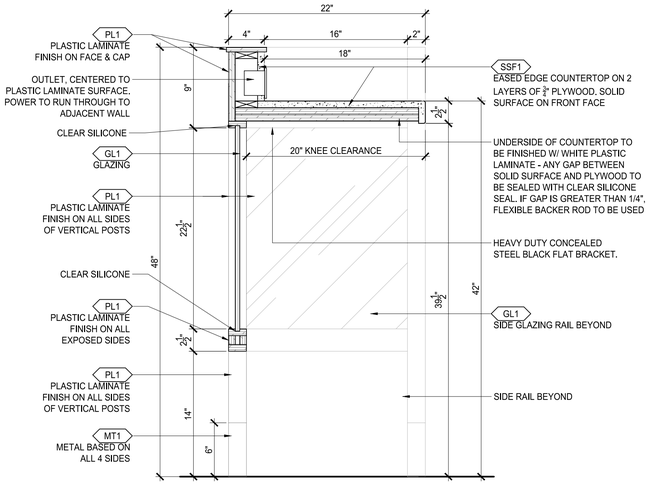
3 ID 7.0 MW1: QUEUEING GLAZING RAIL W/ IMPULSE - ELEVATION
SCALE: 1/2" = 1'-0"



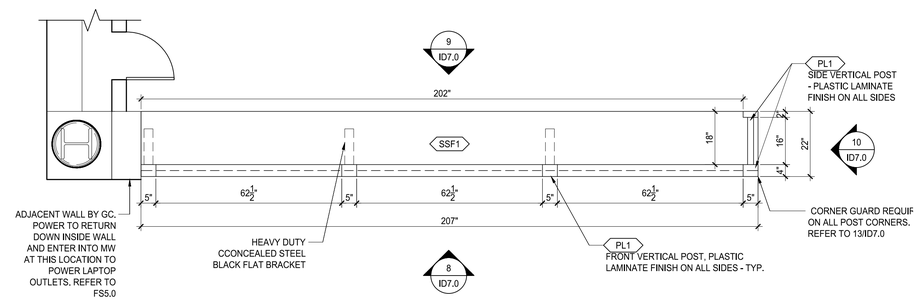
4 ID 7.0 MW1- ELEVATION
SCALE: 1/2" = 1'-0"



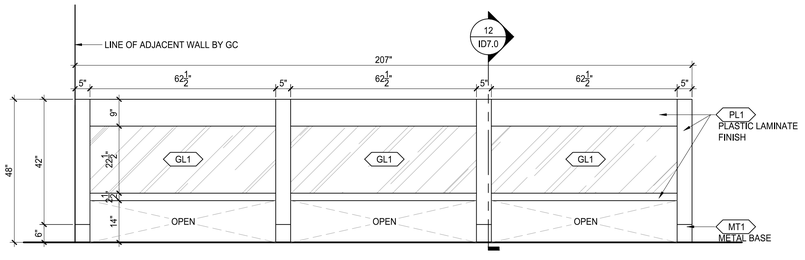
5 ID 7.0 MW1: QUEUEING GLAZING RAIL W/ IMPULSE - SECTION
SCALE: 1-1/2" = 1'-0"



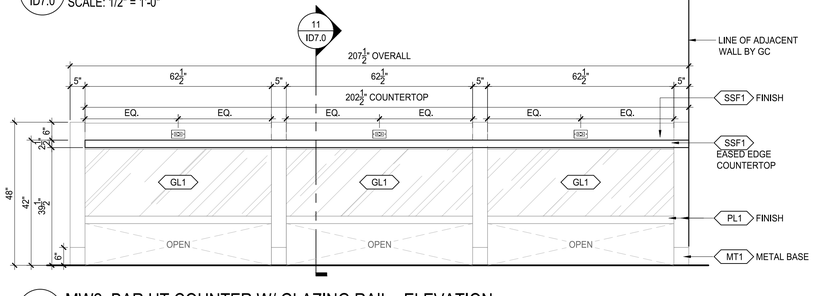
11 ID7.0 MW2: BAR HT COUNTER W/ GLAZING RAIL - SECTION
SCALE: 1-1/2" = 1'-0"



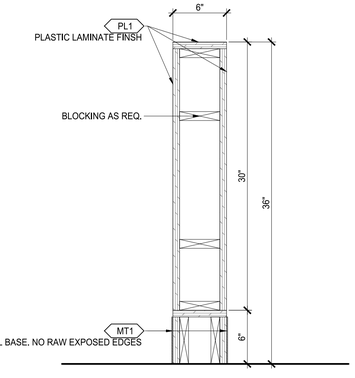
7 ID7.0 MW2: BAR HT COUNTER W/ GLAZING RAIL - PLAN
SCALE: 1/2" = 1'-0"



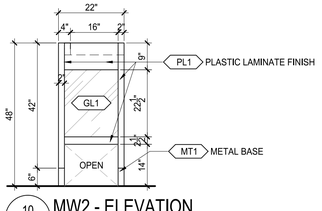
8 ID7.0 MW2: BAR HT COUNTER W/ GLAZING RAIL - ELEVATION
SCALE: 1/2" = 1'-0"



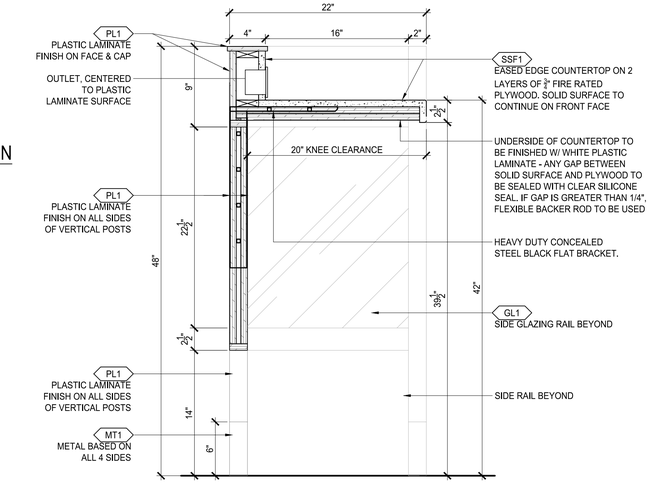
9 ID7.0 MW2: BAR HT COUNTER W/ GLAZING RAIL - ELEVATION
SCALE: 1/2" = 1'-0"



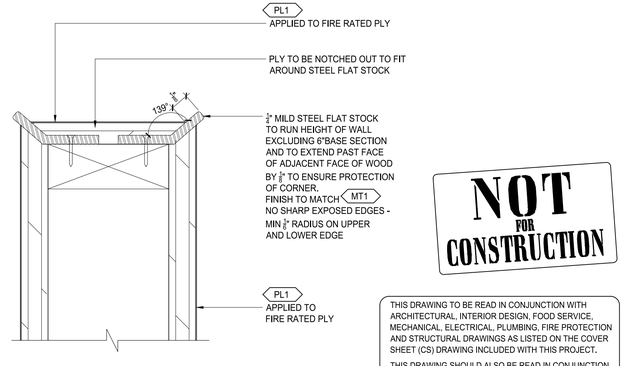
6 ID 7.0 MW1: QUEUEING GLAZING RAIL POST - SECTION
SCALE: 1-1/2" = 1'-0"



10 ID7.0 MW2 - ELEVATION
SCALE: 1/2" = 1'-0"



12 ID7.0 MW2: BAR HT COUNTER W/ GLAZING RAIL - SECTION
SCALE: 1-1/2" = 1'-0"



13 ID7.0 MW1&MW2: CORNER DETAIL
SCALE: 6" = 1'-0"

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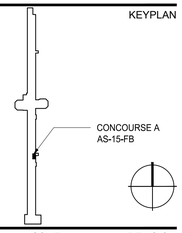

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AS-15-FB
CORNER CAFE
MILLWORK

SHEET NUMBER
ID 7.0

PROJECT NUMBER 1808

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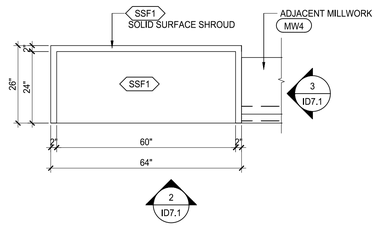
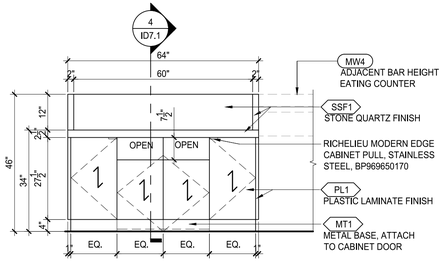
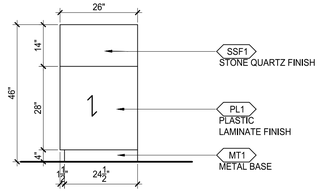


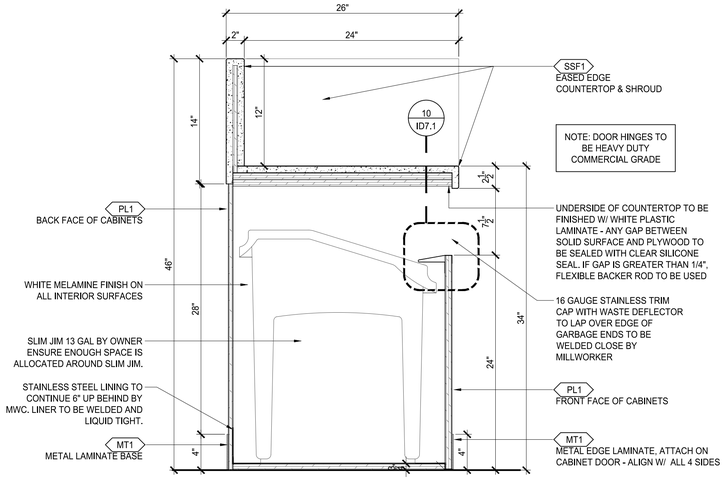
1 ID7.1 MW3: CONDIMENT STATION - PLAN
SCALE: 1/2" = 1'-0"



2 ID7.1 MW3: CONDIMENT STATION - ELEVATION
SCALE: 1/2" = 1'-0"



3 ID7.1 MW3: CONDIMENT STATION - ELEVATION
SCALE: 1/2" = 1'-0"



4 ID7.1 MW3: CONDIMENT STATION - SECTION
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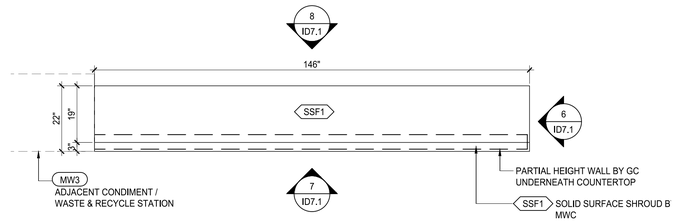
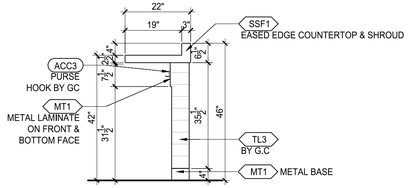


5 ID7.1 MW4: BAR HT EATING COUNTER - PLAN
SCALE: 1/2" = 1'-0"



6 ID7.1 MW4: BAR HT EATING COUNTER - ELEVATION
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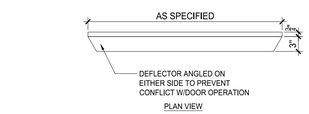
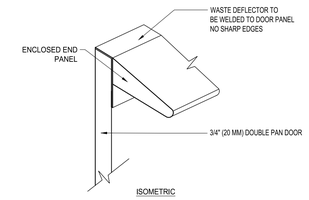
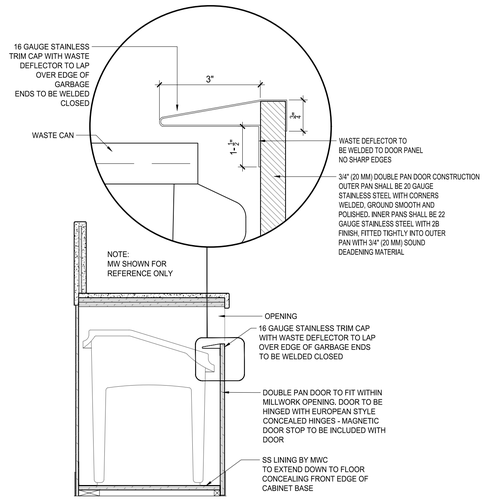
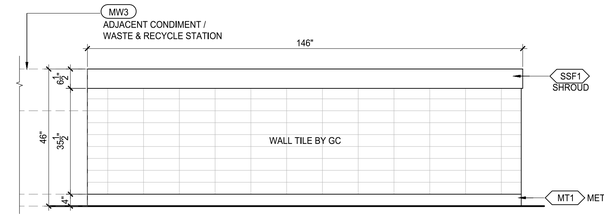


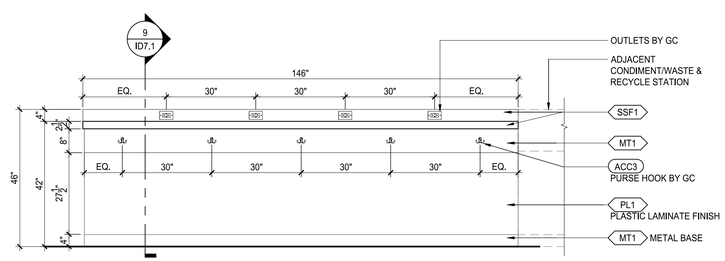




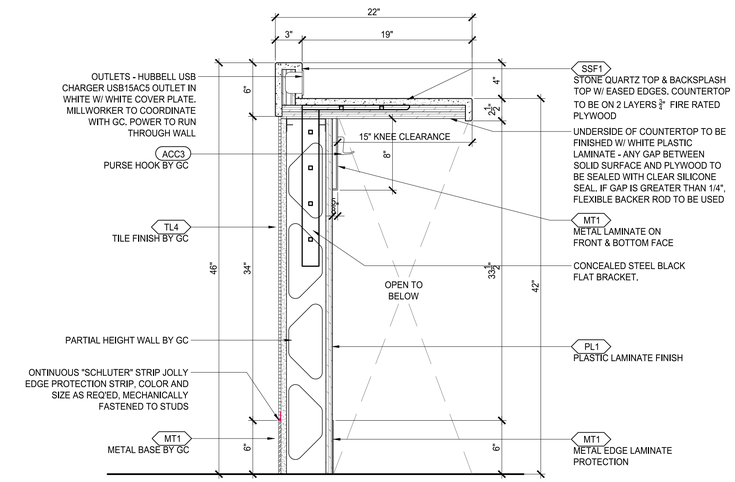
10 ID7.1 DETAIL: WASTE DEFLECTOR
SCALE: 1" = 1'-0"



7 ID7.1 MW4: BAR HT EATING COUNTER - ELEVATION
SCALE: 1/2" = 1'-0"



8 ID7.1 MW4: BAR HT EATING COUNTER - ELEVATION
SCALE: 1/2" = 1'-0"



9 ID7.1 MW4: BAR HT EATING COUNTER - SECTION
SCALE: 1/2" = 1'-0"

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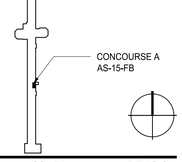

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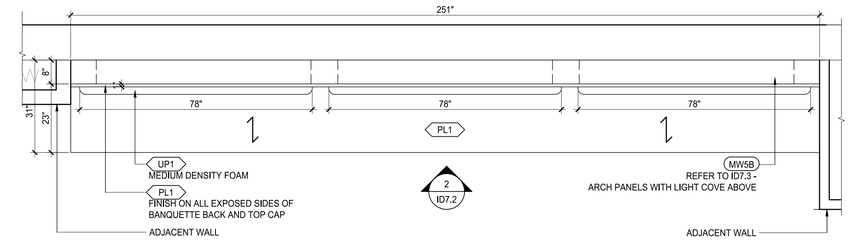
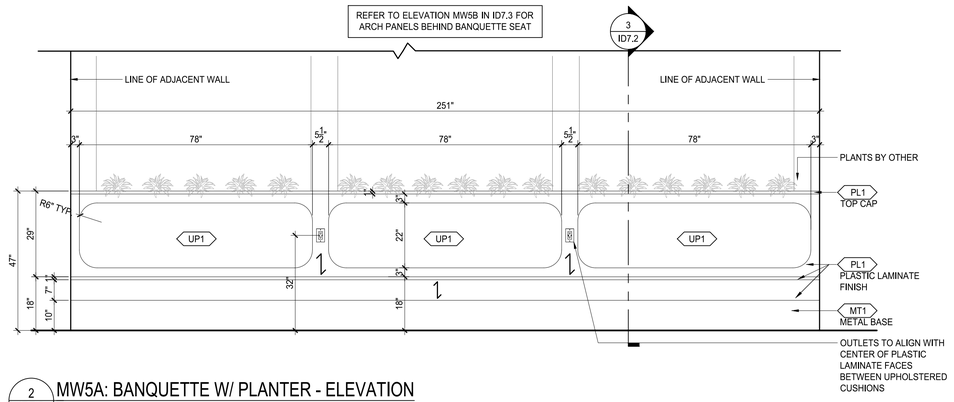
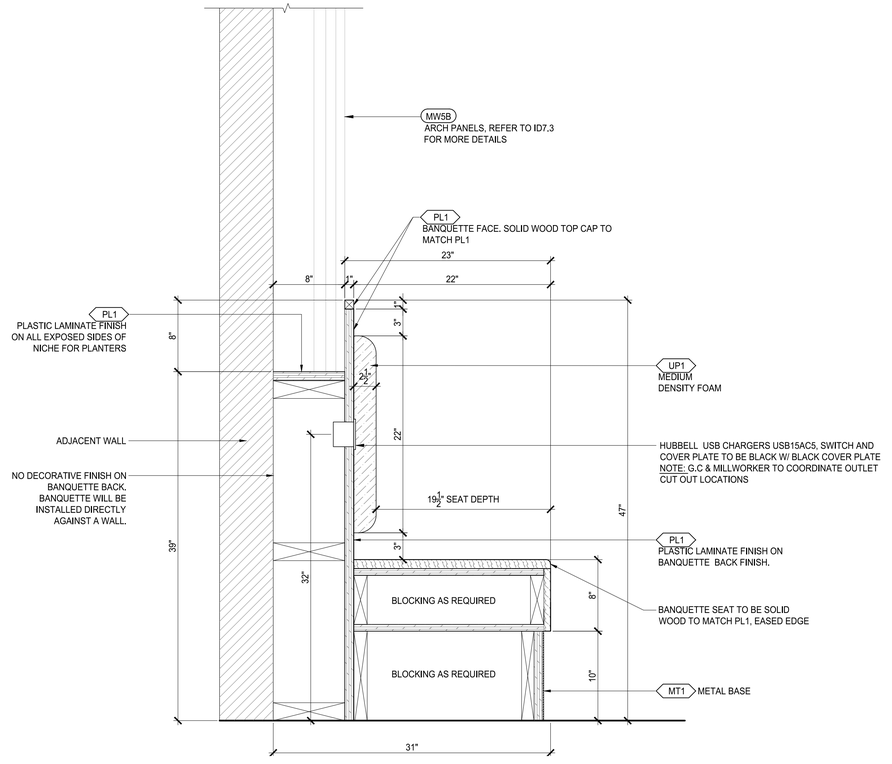


1 / ID7.2 MW5A: BANQUETTE W/ PLANTER - PLAN
SCALE: 1/2" = 1'-0"



2 / ID7.2 MW5A: BANQUETTE W/ PLANTER - ELEVATION
SCALE: 1/2" = 1'-0"



3 / ID7.2 MW5A: BANQUETTE W/ PLANTER - SECTION
SCALE: 1-1/2" = 1'-0"

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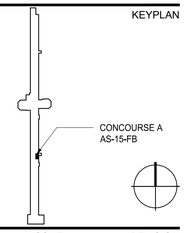

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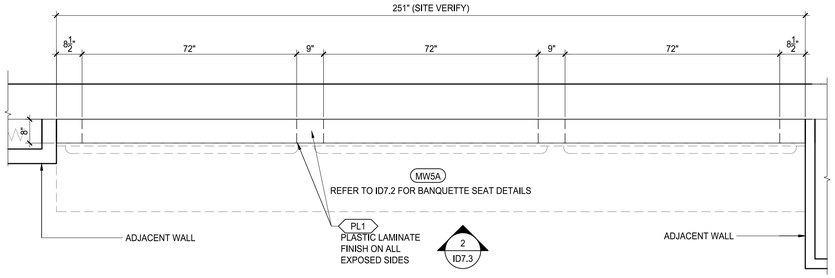
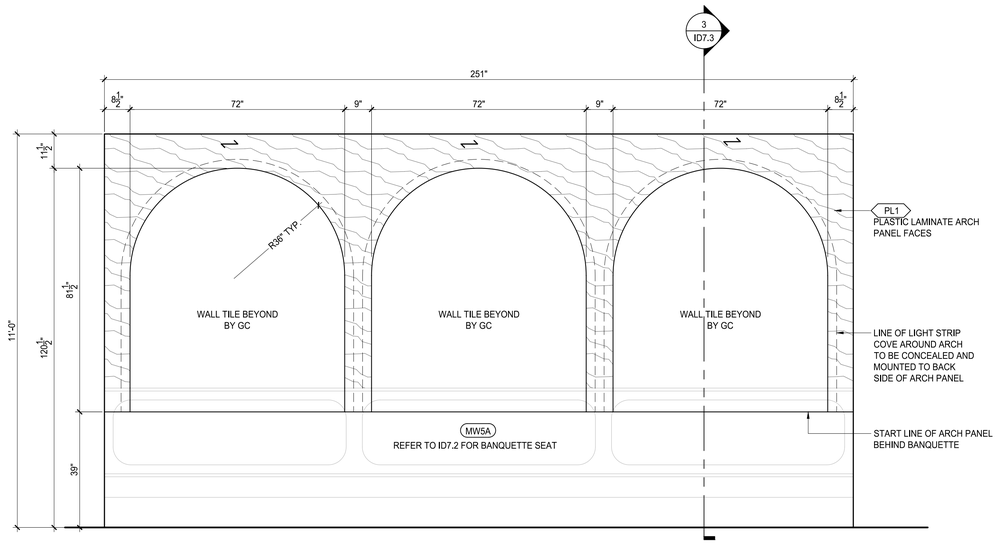
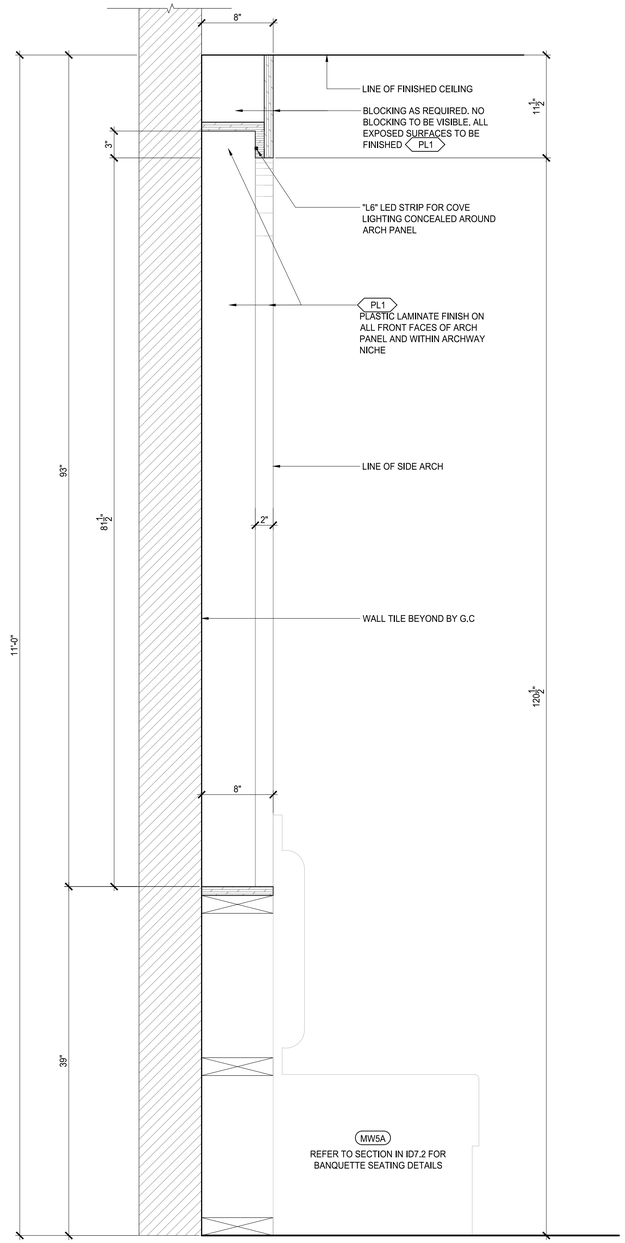


1 ID7.3 MW5B: ARCH PANELS (BEHIND BANQUETTE W/ PLANTERS) - PLAN
SCALE: 1/2" = 1'-0"



2 ID7.3 MW5B: ARCH PANELS (BEHIND BANQUETTE W/ PLANTERS) - ELEVATION
SCALE: 1/2" = 1'-0"



3 ID7.3 MW5B: ARCH PANELS (BEHIND BANQUETTE W/ PLANTERS) - SECTION
SCALE: 1-1/2" = 1'-0"

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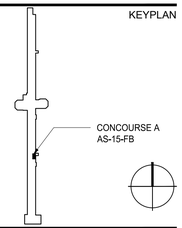

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2025.10.27	60% COORDINATION REVIEW	
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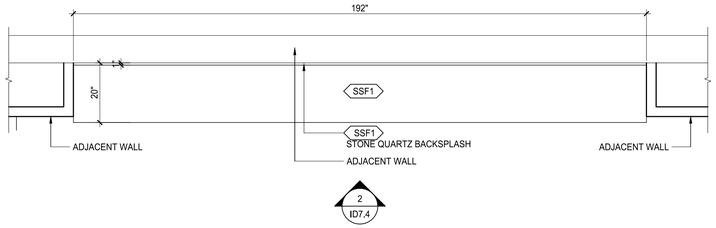
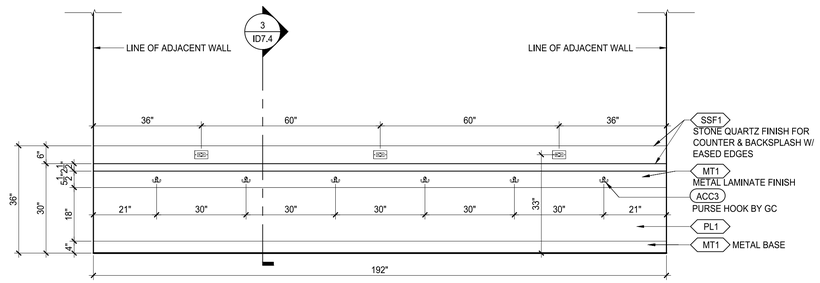
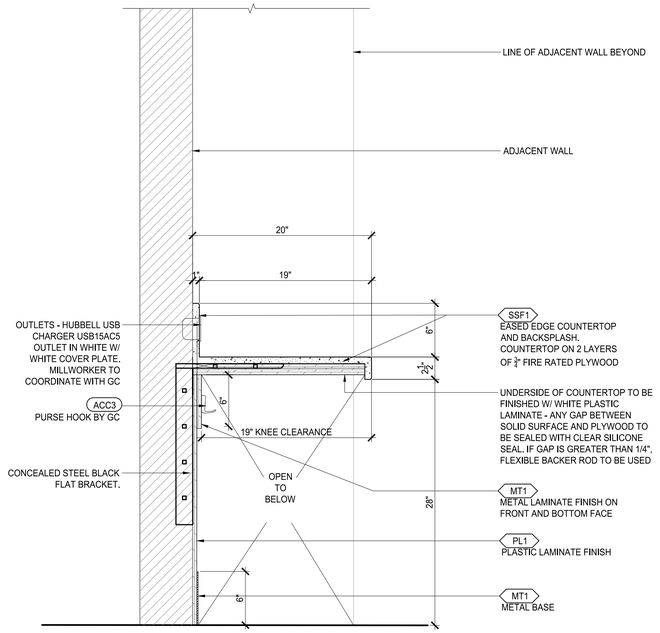


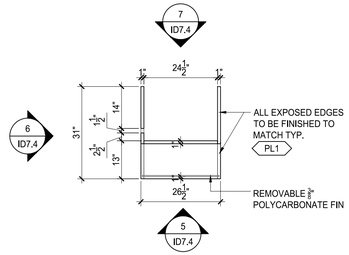
1 ID7.4 MW6: DINING HT EATING COUNTER - PLAN
SCALE: 1/2" = 1'-0"



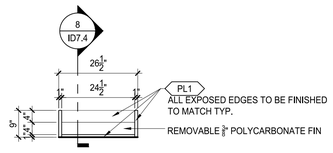
2 ID7.4 MW6: DINING HT EATING COUNTER - ELEVATION
SCALE: 1/2" = 1'-0"



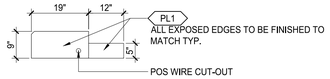
3 ID7.4 MW6: DINING HT EATING COUNTER - SECTION
SCALE: 1-1/2" = 1'-0"



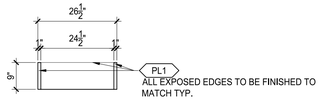
4 ID7.4 MW7: POS SHROUD - PLAN
SCALE: 1/2" = 1'-0"



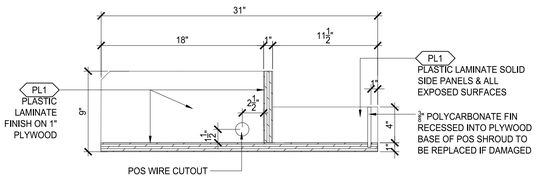
5 ID7.4 MW7: POS SHROUD - ELEVATION
SCALE: 1/2" = 1'-0"



6 ID7.4 MW7: POS SHROUD - ELEVATION
SCALE: 1/2" = 1'-0"



7 ID7.4 MW7: POS SHROUD - ELEVATION
SCALE: 1/2" = 1'-0"



8 ID7.4 MW7: POS SHROUD - SECTION
SCALE: 1-1/2" = 1'-0"

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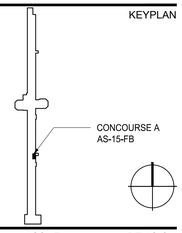

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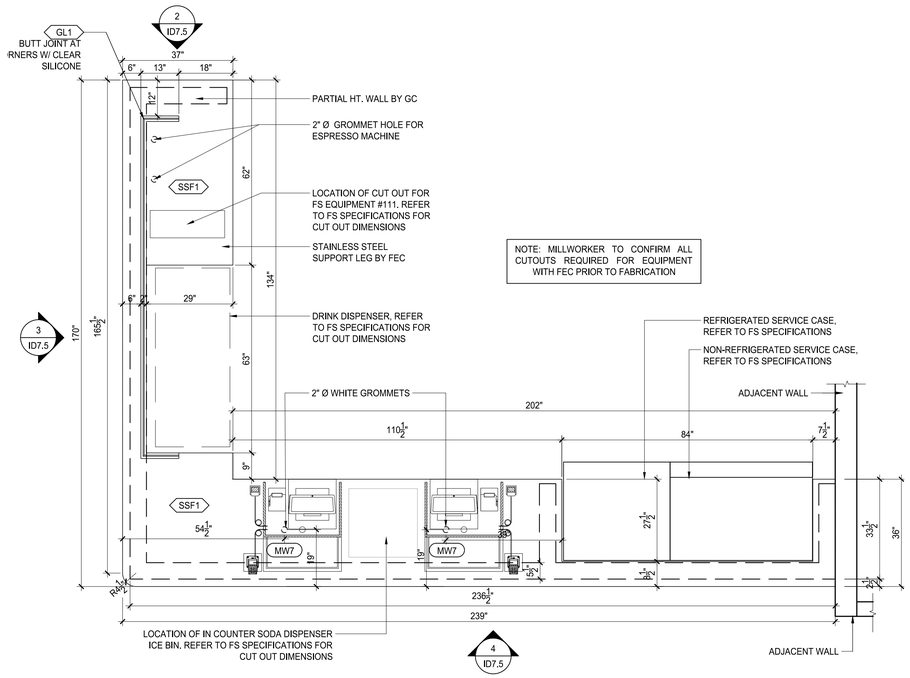
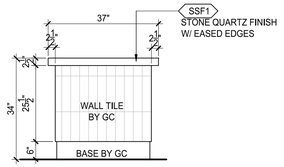
NOTE: ALL PLYWOOD USED IN MILLWORK TO BE FIRE RATED

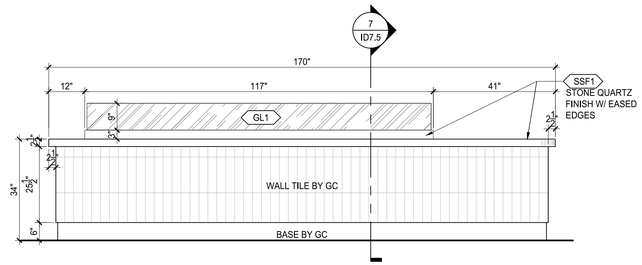


NOTE: MILLWORKER TO CONFIRM ALL CUTOUTS REQUIRED FOR EQUIPMENT WITH FEC PRIOR TO FABRICATION

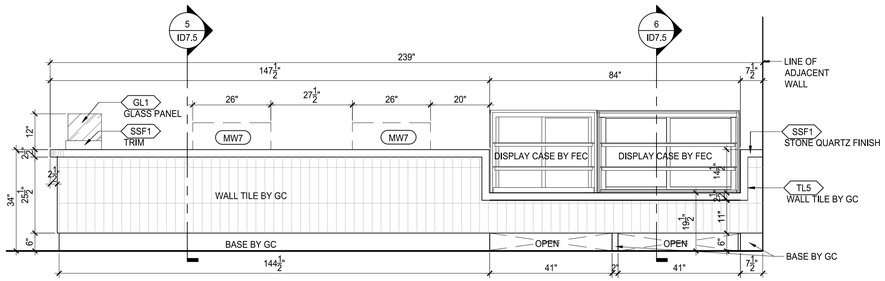
1 ID7.5 **MW8: SERVICE COUNTERTOP - PLAN**
SCALE: 1/2" = 1'-0"



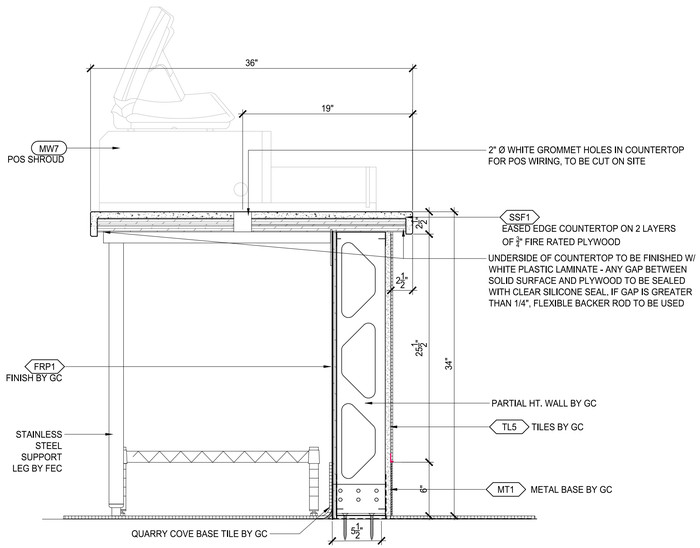
2 ID7.5 **MW8: SERVICE COUNTERTOP - ELEV**
SCALE: 1/2" = 1'-0"



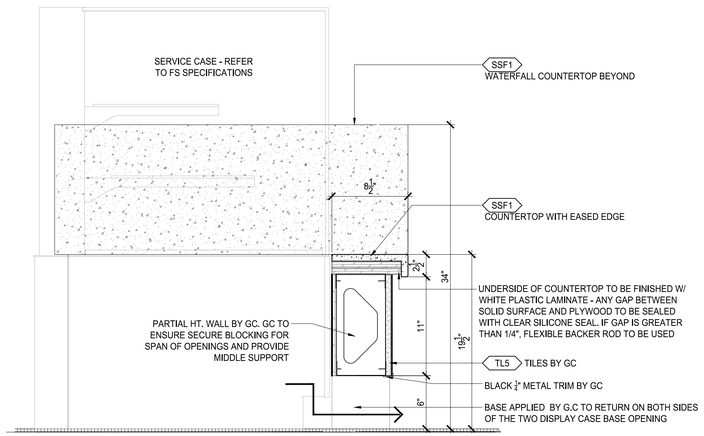
3 ID7.5 **MW8: SERVICE COUNTERTOP - ELEVATION**
SCALE: 1/2" = 1'-0"



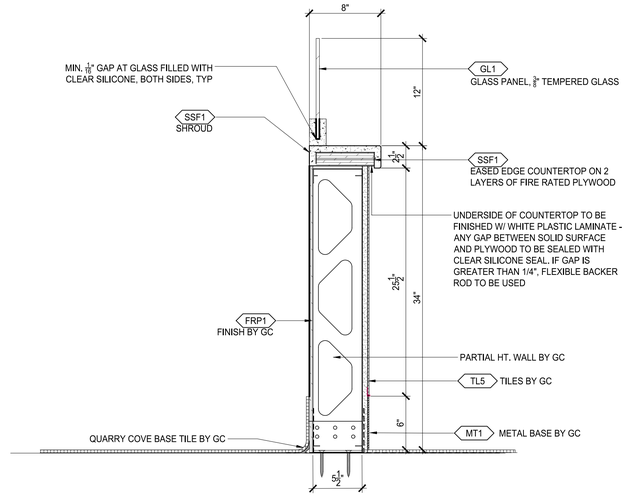
4 ID7.5 **MW8: SERVICE COUNTERTOP - ELEVATION**
SCALE: 1/2" = 1'-0"



5 ID7.5 **MW8: SERVICE COUNTERTOP - SECTION @POS**
SCALE: 1-1/2" = 1'-0"



6 ID7.5 **MW8: SERVICE COUNTERTOP - SECTION @ DISPLAY CASE**
SCALE: 1-1/2" = 1'-0"



7 ID7.5 **MW8: SERVICE COUNTERTOP - SECTION @ GLASS SHROUD**
SCALE: 1-1/2" = 1'-0"

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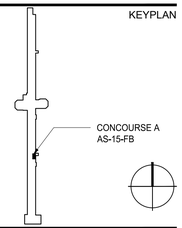

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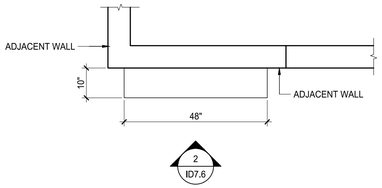
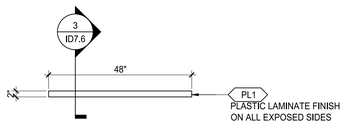
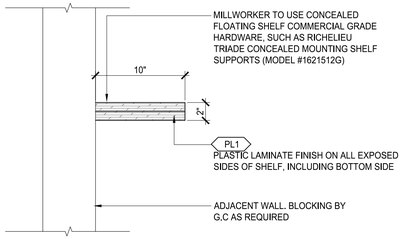


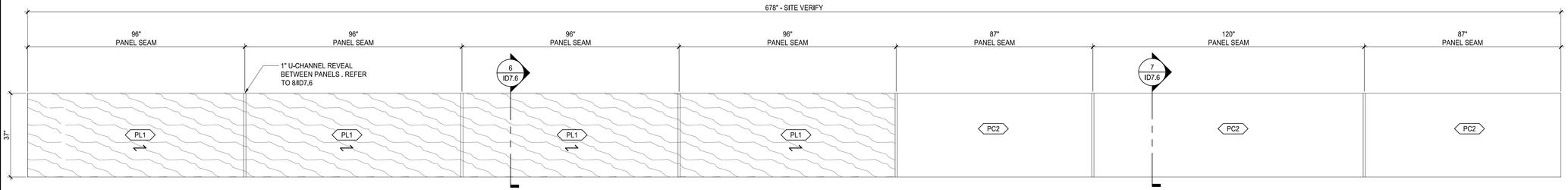
1 ID7.6 MW10: DISPLAY SHELF - ELEVATION
SCALE: 1/2" = 1'-0"



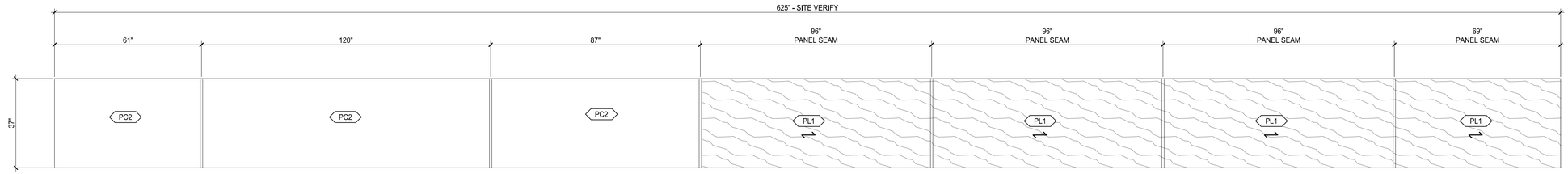
2 ID7.6 MW10: DISPLAY SHELF - ELEVATION
SCALE: 1/2" = 1'-0"



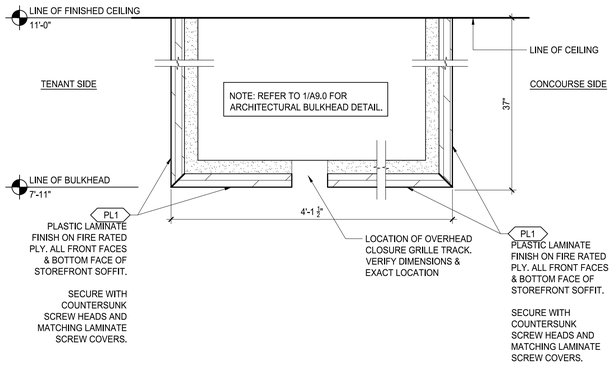
3 ID7.6 MW10: DISPLAY SHELF - SECTION
SCALE: 1-1/2" = 1'-0"



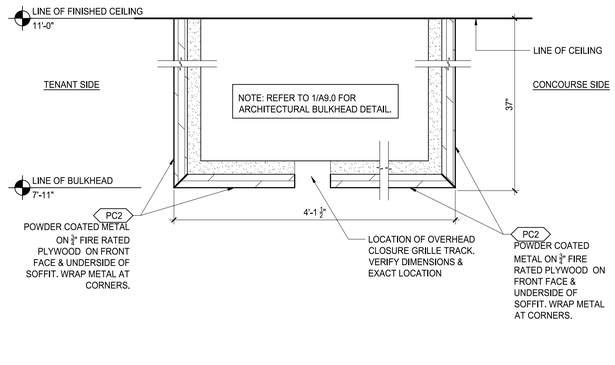
4 ID7.6 MW11: STOREFRONT PANELS - CONCOURSE SIDE ELEVATION
SCALE: 1/2" = 1'-0"



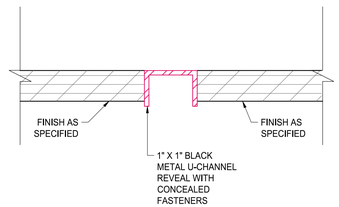
5 ID7.6 MW11: STOREFRONT PANELS - TENANT SIDE ELEVATION
SCALE: 1/2" = 1'-0"



6 ID7.6 MW11: STOREFRONT PANELS - SECTION @ PL1
SCALE: 3" = 1'-0"



7 ID7.6 MW11: STOREFRONT PANELS - SECTION @ PC2
SCALE: 3" = 1'-0"



8 ID7.6 MW11: STOREFRONT PANELS - REVEAL DETAIL
SCALE: 3" = 1'-0"

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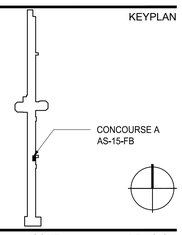

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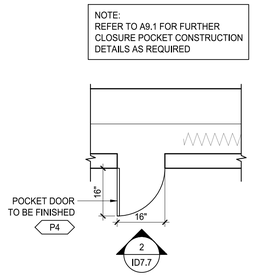
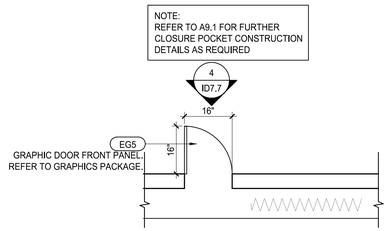
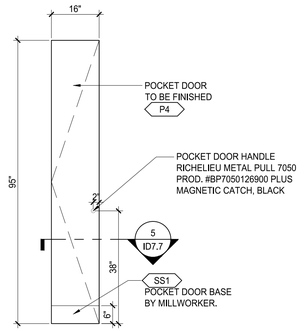


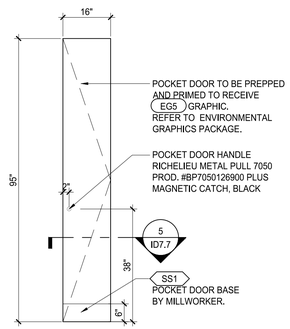
1 ID7.7 MW12: CLOSURE POCKET DOOR 104- PLAN
SCALE: 1/2" = 1'-0"



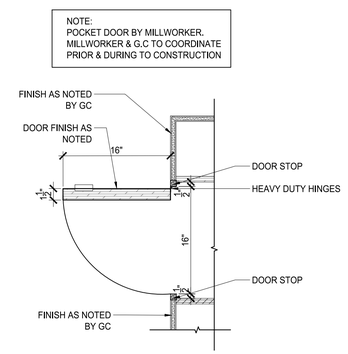
3 ID7.7 MW13: CLOSURE POCKET DOOR 103- PLAN
SCALE: 1/2" = 1'-0"



2 ID7.7 MW12: CLOSURE POCKET DOOR 104- ELEVATION
SCALE: 1/2" = 1'-0"



4 ID7.7 MW13: CLOSURE POCKET DOOR 103 - ELEVATION
SCALE: 1/2" = 1'-0"



5 ID7.7 MW12 & MW13: CLOSURE POCKET DOOR - SECTION
SCALE: 1 1/2" = 1'-0"

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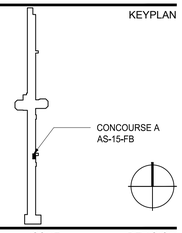

DATE	ISSUE	REVISION
2026.03.24	100% AIRPORT REVIEW	

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AS-15-FB
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MILLWORK

SHEET NUMBER

ID 7.7

PROJECT NUMBER 1808

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File Path: S:\Projects\Active Projects\1808 ATL-PL-HYBRID BUILD OUT\CORNER CAFE\CADD\ID\ & Drafted By: mdecarvalho

ABBREVIATIONS

ACH	ABOVE COUNTER HEIGHT
AHJ	AUTHORITY HAVING JURISDICTION
AFF	ABOVE FINISHED FLOOR
AVC	AUDIO VISUAL CONTRACTOR
BLDG	BUILDING
BOH	BACK OF HOUSE
CLG	CEILING
CLR	CLEAR
CONT'D	CONTINUED
C/W	COMPLETE WITH
DIA	DIAMETER
E	EXISTING
EC	ELECTRICAL CONTRACTOR
EGC	ENVIRONMENTAL GRAPHICS CONTRACTOR
ELEC	ELECTRICAL
ELEV	ELEVATION
EQ	EQUAL
EXT	EXTERIOR
FEC	FOOD EQUIPMENT CONTRACTOR
FE	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FOH	FRONT OF HOUSE
GA	GAUGE
GC	GENERAL CONTRACTOR
GI	GREASE INTERCEPTOR
GYP	GYPSUM WALL BOARD
HM	HOLLOW METAL
HR	HOUR
HSS	HOLLOW STRUCTURAL SECTIONS
HT	HEIGHT
MAX	MAXIMUM
MECH	MECHANICAL
MC	MECHANICAL CONTRACTOR
MEZZ	MEZZANINE
MIN	MINIMUM
MISC	MISCELLANEOUS
MWC	MILLWORK CONTRACTOR
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
N	NEW
NTS	NOT TO SCALE
OC	ON CENTRE
PLY	PLYWOOD
R	RADIUS
RE	RELOCATE
RC	REFRIGERATION CONTRACTOR
REQ'D	REQUIRED
RD	ROOF DRAIN
RO	ROUGH OPENING
RWL	RAIN WATER LEADER
SCW	SOLID CORE WOOD
SPEC	SPECIFICATIONS
SQ FT	SQUARE FEET
SS	STAINLESS STEEL
STRUC	STRUCTURAL
T/O	TOP OF
TYP	TYPICAL
U/C	UNDER COUNTER
U/G	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
U/S	UNDERSIDE
VEST	VESTIBULE
W/C	WATER CLOSET
WT	WEIGHT

EQUIPMENT NUMBERS

- 001 - 399 FS EQUIPMENT BY FOOD EQUIPMENT CONTRACTOR
- 400 - 499 GENERAL CONTRACTOR SUPPLIED ITEMS
- 500 - 599 IT / POS AND AV EQUIPMENT - BY OWNER OR OWNER'S VENDOR
- 600 - 699 OFFICE FURNITURE AND EQUIPMENT - BY OWNER OR OWNER'S VENDOR
- 700 - 799 WARE WASH AND CLEANING EQUIPMENT - BY OWNER OR OWNER'S VENDOR
- 800 - 899 SODA & BEVERAGE SYSTEMS - BY OWNER OR OWNER'S VENDOR
- 900 - 999 WASTE / RECYCLING RECEPTACLES - BY OWNER OR OWNER'S VENDOR
- 1000 - SMALL WARES - BY OWNER OR OWNER'S VENDOR

IT NOTES:

1. IT / AV RACK REQUIRES (2) DEDICATED QUAD POWER OUTLETS AND (2) CAT 6 LINE RUNS FROM IT / AV RACK TO BASE BUILDING COMMUNICATION CLOSET OR IDENTIFIED DMARC LOCATION.
2. DEDICATED CIRCUITS ARE REQUIRED FOR POS, PRINTERS, & KDS (KITCHEN DISPLAY SCREEN). MULTIPLE POS LOCATIONS CAN BE ACCOMMODATED ON A SINGLE CIRCUIT.
3. EACH POS REQUIRES A QUAD POWER OUTLET AND (2) CAT 6 LINE RUNS FROM IT / AV RACK TO POS LOCATION. CASH DRAWERS AND RECEIPT PRINTERS CONNECT TO POS TERMINAL AND DO NOT REQUIRE INDEPENDENT CONNECTIONS.
4. EACH REMOTE ORDER PRINTER REQUIRES A SINGLE POWER OUTLET AND (2) CAT 6 LINE RUNS FROM IT / AV RACK TO REMOTE ORDER PRINTER LOCATION.
5. EACH KDS REQUIRES A SINGLE POWER OUTLET AND (2) CAT 6 LINE RUNS FROM IT / AV RACK TO KDS LOCATION. BUMP BARS ATTACH TO KDS AND DO NOT REQUIRE INDEPENDENT CONNECTION.
6. EACH DEBIT / CREDIT CARD READER REQUIRES (2) CAT 6 LINE RUNS FROM IT / AV RACK TO PRINTER LOCATION. POWER FOR DEBIT / CREDIT CARD READER IS INCLUDED IN THE QUAD OUTLET IDENTIFIED AS ITEM 3 ABOVE.
7. EACH TV RUN AND FID SCREEN REQUIRES (2) CAT 6 LINE RUNS FROM IT / AV RACK TO SCREEN LOCATION.
8. EACH CCTV CAMERA REQUIRES (2) CAT 6 LINE RUNS FROM IT / AV RACK TO CAMERA LOCATION.
9. EACH COMPUTER WORK STATION REQUIRES A QUAD POWER OUTLET AND (2) CAT 6 LINE RUNS FROM IT / AV RACK TO WORK STATION LOCATION.
10. REFER TO RESPONSIBILITY MATRIX ON ID 1.0 FOR CONDUIT / CABLING AND TERMINATION SCOPE.

ELECTRICAL NOTES:

1. THE EC TO VERIFY IF SERVICE CHASES ARE PROVIDED W / F.E.C. & TO STUB / RUN SERVICES WITHIN THESE CHASES AS REQUIRED BY THE DESIGN.
2. ON SITE CONNECTIONS / INSTALLATION OF DISCONNECT SWITCHES SUPPLIED BY THE FEC IS THE RESPONSIBILITY OF THE EC.
3. TELEPHONE AND DATA LOCATIONS BY ELECTRICAL ENGINEER AS INDICATED ON FS 6.0
4. EC TO REFER TO ELECTRICAL ENGINEERS DRAWING FOR PANEL LOCATIONS AND SCHEDULES.
5. EC TO SUPPLY AND INSTALL THERMAL & / OR MAGNETIC OVERLOAD PROTECTORS AND DISCONNECT SWITCHES WHERE REQUIRED BY CODE AND INSTALL DISCONNECT SWITCHES SUPPLIED BY FEC.
6. WALL MOUNTED RECEPTACLES BY THE EC WALL OUTLETS TO BE MOUNTED HORIZONTALLY ABOVE EQUIPMENT.
7. CONVENIENCE OUTLETS (CVO) ARE INDICATED ON FS 6.0 FOR ANTICIPATED USE. ADDITIONAL CVO'S MAY BE REQUIRED AS PER LOCAL CODE - REFER TO ELECTRICAL ENGINEERS DRAWINGS FRO ADDITIONAL REQUIREMENTS
8. EXHAUST CANOPIES WIRED TO FAN & FAN SWITCH. SWITCH LOCATION(S) ARE NOTED ON APPLICABLE DRAWING(S) REFER TO ELECTRICAL ENGINEER'S DRAWINGS FOR WIRING TO BUILDING SYSTEMS.
9. VENTILATOR CONTROL PANEL, FIRE SUPPRESSION SYSTEM WIRING AND INTERCONNECTION OF ALL PANELS TO BUILDING ANUNCIATOR PANEL(S) BY EC.
   - EC / MC TO REFER TO ENGINEERED SHOP DRAWING PRIOR TO WIRING & / OR PLUMBING SERVICES.

   VENTILATOR CONTROLS:
   - ALL INTERWIRING BETWEEN FIRE SUPPRESSION SYSTEM, VENTILATOR, BUILDING ALARM SYSTEM, FIRE PULL STATIONS.

   FIRE SUPPRESSION SYSTEM:
   - 2 WIRES TO SHUNT TRIP BREAKER(S) CONTRACTOR & /OR GAS SOLENOID VALVE(S).
   - 2 WIRES TO FENWELL THERMOSTATS (WHEN SPECIFIED) TIED IN SERIES PARALLEL COMBINATION - REFER TO ENGINEERED SHOP DRAWINGS.
10. EC TO PROVIDE POWER SUPPLY INCLUDING WIRING & CONDUIT W / ADEQUATE BREAKER PROTECTOR FOR LOADS NOTED ON SERVICE LIST TO THE CONNECTION POINTS NOTED MAKE FINAL CONNECTIONS & INTERCONNECTIONS AS INDICATED AND TO COORDINATE WITH THE START UP & TESTING OF THE FOODSERVICE EQUIPMENT W/ FEC.
11. EC TO PROVIDE HEAT TRACE FOR FREEZER CONDENSATE LINES - REFER TO FS 8.x FOR TYPICAL REQUIREMENTS.
12. EC TO INTERCONNECT:
    - REFRIGERATION SYSTEMS; EVAPORATOR & COMPRESSOR.
    - CONTROL PANELS WHEN REQUIRED - SUPPLIED BY FEC & APPLICABLE FOODSERVICE EQUIPMENT (BY FEC) I.E.: DISPOSAL SYSTEM,FIRE PULL STATION, BUILDING ALARM SYSTEM (IF REQ'D BY ELECTRICAL ENGINEER).
    - VENTILATOR / CANOPY LIGHTS TO HAVE SEPARATE SWITCHES IF NOT PROVIDED WITH SOECIFIED EXHAUST HOOD
    - WALK-INS AS REQUIRED; LIGHTS TO LIGHT SWITCHES & THRESHOLD HEATERS, HEAT TRACE ON FREEZER CONDENSATE RELIEF VENT, AUDIO/VISUAL ALARM SYSTEM REFER TO FS TYPICAL COOLER INSTALLATION DETAIL ON FS 8.X

MECHANICAL NOTES:

1. THE MC TO VERIFY IF SERVICE CHASES ARE PROVIDED W/ FEC & TO STUB / RUN SERVICES WITHIN THESE CHASES AS REQUIRED BY THE DESIGN.
2. GREASE INTERCEPTORS, BACK FLOW PREVENTERS & REVERSE PRESSURE BACKFLOW PREVENTION (RPBP) DEVICES BY MC AND AS REQUIRED BY AHJ.
3. FAUCETS & FITTINGS AS NOTED IN EQUIPMENT SCHEDULE ARE SUPPLIED BY THE FEC ON SITE INSTALLATION AND FINAL CONNECTION IS THE RESPONSIBILITY OF THE MC.
4. MC IS TO SUPPLY/INSTALL (BUT IS NOT LIMITED TO) ALL SERVICES INCLUDING: ISOLATING & PRESSURE REDUCING VALVES, BACK FLOW PREVENTER AND RPBP DEVICES (AS REQ'D BY CODE AND OTHER COMPONENTS FOR A COMPLETE WORKING SYSTEM.
5. REMOTE WATER COOLED COMPRESSORS LOCATED IN MECHANICAL ROOMS, OR WHERE INDICATED OTHERWISE, MC PROVIDE AIR CIRCULATION AS REQUIRED.
6. WHERE PIPING INSULATION IS REQUIRED - INSULATION TO BE CLOSED CELL TYPE AP/ ARMAFLEX OR APPROVED EQUIVALENT.

GENERAL NOTES:

1. DIMENSIONS GIVEN ARE FROM FINISH TO FINISH UNLESS OTHERWISE NOTED.
2. THE SERVICE SYMBOLS ON THESE FOLLWING FS DRAWING ARE TO INDICATE APPROXIMATE LOCATION OF SERVICES AS THEY OCCUR ON THE EQUIPMENT. ALL SERVICES TO BE BROUGHT UP / DOWN THROUGH WALLS WHERE POSSIBLE. ROUGH IN LOCATIONS ARE TO BE CONFIRMED BY FEC.
3. THE GENERAL CONTRACTOR IS TO COORDINATE SCHEDULING, ROUGH-IN DIMENSIONS & CONSTRUCTION DETAILS WITH THE F.E.C. TO ENSURE THE PROPER INSTALLATION OF THE FOODSERVICE EQUIPMENT.
4. ALL SERVICES MECHANICAL AND ELECTRICAL ARE TO BE RUN WITHIN WALL CAVITY OR DIE WALL AND TO STUB OUT AT POINT OF USE.
5. PLANNED LOCATION OF SLAB PENETRATIONS INCLUDING MECHANICAL & ELECTRICAL SLEEVES , FLOOR SINKS, HUB DRAINS, AREA FLOOR DRAINS, AND FLOOR DRAIN PANS ARE INDICATED ON FS 4.0 FOR REFERENCE AND SCANNING PURPOSES. CONTRACTOR TO ADVISE SMARTDESIGN GROUP OF ANY LOCATION VARAINCES REQUIRED ARISING FROM SITE CONDITIONS PRIOR TO CORING
6. TERMINATE ALL CONDUIT AND PIPE 100MM AFF. CONDUIT / PIPE DIA. NOTED REFERS TO INSIDE DIA. - ALL INTERNAL JOINTS TO BE SMOOTH, W / MAX. CONDUIT BEND OF 45°, IF 90° BEND REQUIRED USE LONG RADIUS 90° BEND (CONFIRM W / FEC) .
7. BLOCKING IN WALLS BY GENERAL CONTRACTOR TO BE COORDINATED W / FEC BLOCKING REQUIRED FOR ALL WALL MOUNTED EQUIPMENT & SEISMIC REQUIREMENTS (WHERE REQUIRED BY CODE). REFER TO FS 4.0 FOR EXTENT OF BLOCKING REQUIRED.
8. BLOCKING TO BE FIRE RATED WOOD OR METAL PLATE AS REQUIRED BY AHJ.
9. CONTRACTOR TO ADVISE SMARTDESIGN GROUP OF UNKNOWN OR ABNORMAL CONDITIONS DISCOVERED ON SITE DURING SITE DEMOLITION.
10. NO SERVICES ARE TO RUN WITHIN THE WALLS OR WITHIN COOLER / FREEZER CAVITY.
11. RC TO RUN REFRIGERATION LINES FROM COMPRESSORS TO EVAPORATORS. REFRIGERATION RUN LINES DURING ROUGHING OF WALLS & CEILINGS. GC TO COORDATE SCHEUDLING OR REFRIGERATION LINE RUNS WITH FEC / RC.
12. WHERE REQUIRED BY AHJ PANIC BUTTONS IN WITHIN WALK IN COOLERS AND FREEZERS SHALL BE PROVIDED BY FEC / COOLER MANUFACTURE ELECTRICAL CONTRACTOR TO RUN CONDUITS AND SUPPLY LIQUID TIGHT JUNCTION BOXES AT LOCATIONS ILLUSTRATED.
13. CONDUIT FOR MANUAL OR ELECTRONIC FIRE PULL STATIONS TO BE RUN WITHIN WALL CAVITY BY E.C. REFER TO FS 4.0 FOR PROPOSED LOCATION. LOCATION TO BE VERIFIED BY FIRE SUPPRESSION SUPPLIER.
14. CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW SITE ACCESS CONDITIONS PRIOR TO ANY FABRICATION. IF REQUIRED LARGE OR OVERSIZED COMPONENTS THAT ARE BUILT OFF SITE SHOULD BE FABRICATED IN MODULES IN ACCORDANCE WITH SITE ACCESS CONDITIONS FOR EASE OF DELIVERY TO AND INSTALLATION ON SITE.
15. MILLWORK AND STAINLESS CABINET BASES TO BE NOTCHED / SET BACK AROUND AT FLOOR SINKS, FLOOR FUNNEL DRAINS AND HUB DRAINS A MINIMUM OF 3" 75 MM TO ALLOW FOR INSTALLATION OF WATERPROOFING AND SPECFIED FLOOR FINISH WITH COVED PROFILE.
16. GC TO PROVIDE WALL BLOCKING TO SUPPORT ALL WALL MOUNTED FIXTURES AND EQUIPMENT, REFER TO ELEVATIONS PROVIDED. BLOCKING TO COMPLY WITH ALL CODE REQUIREMENTS. GC RESPONSIBLE TO COORDINATE THROUGH ALL DRAWINGS, PLANS AND ELEVATIONS

NOT FOR CONSTRUCTION

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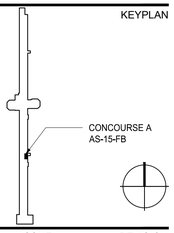

DATE	ISSUE	REVISION
2025.07.10	30% CLIENT REVIEW	
2025.08.15	30% AIRPORT REVIEW	
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.02.24	90% COORDINATION REVIEW	
2026.03.24	100% AIRPORT REVIEW	

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AS-15-FB
CORNER CAFE
FS NOTES

SHEET NUMBER

FS 0.0

PROJECT NUMBER	1808

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GENERAL FOOD SERVICE REQUIREMENTS

1. WORK COVERED BY CONTRACT DOCUMENTS

a. THE WORK UNDER THE CONTRACT SHALL BE AS DEFINED IN INSTRUCTIONS TO BIDDERS AND IN GENERAL FABRICATING CONDITIONS AND SHALL BE DESCRIBED OR SHOWN ON THE DRAWINGS AND SPECIFICATIONS.

b. IN ADDITION TO GENERAL RESPONSIBILITY FOR THE COMPLETE WORK, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL BE SPECIFICALLY RESPONSIBLE FOR ITEMS CONTAINED IN THIS SECTION.

c. DESCRIPTIONS OF MATERIALS OR WORK IN WORDS WHICH SO APPLIED HAVE WELL KNOWN TECHNICAL OR TRADE MEANINGS REFER TO THE CURRENT RECOGNIZED STANDARDS. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN SUCH STANDARD AND THE SPECIFICATIONS, THE SPECIFICATIONS SHALL GOVERN. IN CASE OF ANY INCONSISTENCY OR CONFLICT BETWEEN THE PROVISIONS OF THE CONTRACT DOCUMENTS, THE PROVISIONS OF SUCH DOCUMENTS WILL TAKE PRECEDENCE AND GOVERN IN THE FOLLOWING PRIORITY:

i. AGREEMENT, INCLUDING SCHEDULES THERETO

ii. SPECIAL CONDITIONS

iii. GENERAL CONDITIONS

iv. GENERAL REQUIREMENTS, FABRICATING CONDITIONS AND SPECIFICATIONS

v. DRAWINGS

vi. COMPLETION DATES SCHEDULE

vii. CONSTRUCTION SCHEDULE

d. FIGURED DIMENSIONS ON A DRAWING TAKE PRECEDENCE OVER MEASUREMENTS SCALED FROM THE DRAWING, AND LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER THOSE OF SMALLER SCALE. REVISIONS AND SUPPLEMENTARY DRAWINGS AND SPECIFICATIONS SUPERSEDE THOSE PREVIOUSLY ISSUED. IN CASE OF CONFLICT BETWEEN FIGURED DIMENSIONS ON A DRAWING AND THE DIMENSIONS OF A SPECIFIED PRODUCT, THE DIMEN\-SIONS OF THE SPECIFIED PRODUCT WILL GOVERN. THE DRAWINGS AND SPECIFICATIONS COMPLEMENT EACH OTHER, AND ANYTHING CALLED FOR BY ONE WILL BE AS BINDING AS IF CALLED FOR BY BOTH.

e. IN THE CASE OF ANY AMBIGUITY IN THE CONTRACT DOCUMENTS, PENDING THE RESOLUTION OF THE ITEM, THE GREATER QUANTITY AND/OR HIGHER QUALITY OF WORK SHALL BE SUPPLIED.

2. SPECIFICATIONS

a. WITHOUT RELIEVING THE FOODSERVICE EQUIPMENT CONTRACTOR OF HIS RESPONSIBILITY, THE SPECIFICATIONS HAVE BEEN DIVIDED INTO ITEMIZED EQUIPMENT DESCRIPTIONS. THESE SECTIONS DO NOT, HOWEVER, LIMIT THE RESPONSIBILITIES OF ANY SUBCONTRACTOR OR SUPPLIER. THE OWNER / CONSULTANT WILL NOT ARBITRATE ON ANY DISPUTE BETWEEN THE FOODSERVICE EQUIPMENT CONTRACTOR AND HIS SUBCONTRACTORS OR SUPPLIERS AS TO THE LIMITS OF THEIR RESPONSIBILITY. THE ONUS OF DEFINING THE EXTENT OF THE SUBCONTRACTORS' AND SUPPLIERS' WORK REMAINS WITH THE FOODSERVICE EQUIPMENT CONTRACTOR, WHO WILL ENSURE THAT, WHEN AWARDING SUBCONTRACTS, THE AREAS OF RESPONSIBILITY ARE SET OUT IN FULL DETAIL.

3. CONTRACT DOCUMENTS

a. THE GENERAL REQUIREMENTS SHALL BE DEEMED TO BE PART OF ALL SECTIONS AND DIVISIONS IN THE CONTRACT DOCUMENTS AND SHALL BE READ IN CONJUNCTION THEREWITH.

b. THE OWNER WILL NOT ACCEPT ANY DELAY AND / OR CLAIMS FOR EXTRA EXPENSE ON THE PART OF THE FOODSERVICE EQUIPMENT CONTRACTOR, OR HIS SUBCONTRACTORS AND SUPPLIERS, BY REASON OF THEIR NON_COMPLIANCE WITH THESE GENERAL REQUIREMENTS.

c. THE DRAWINGS AND SPECIFICATIONS OF ALL TRADES ARE COMPLEMENTARY, AND ALL MUST BE REFERRED TO BY THE FOODSERVICE EQUIPMENT CONTRACTOR TO BECOME FULLY AWARE OF THE ENTIRE SCOPE OF THE CONTRACT. NO CLAIM FOR EXTRA COMPENSATION WILL BE CONSIDERED BECAUSE THE FOODSERVICE EQUIPMENT CONTRACTOR HAS FAILED TO REVIEW ALL THE CONTRACT DOCUMENTS.

4. DIMENSIONS

a. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND FIGURES SHOWN ON DRAWINGS AND NOTIFY THE FOODSERVICE CONSULTANT OF ANY DISCREPANCIES FOUND THEREIN SO THAT THESE MAY BE CORRECTED AS NECESSARY. THE FOODSERVICE EQUIPMENT CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY ERRORS RESULTING FROM HIS FAILURE TO EXERCISE SUCH PRECAUTIONS.

b. ANY DIMENSIONS OF EXISTING WORKS OR STRUCTURES ARE APPROXIMATE, AND THE FOODSERVICE EQUIPMENT CONTRACTOR MUST TAKE ACTUAL MEA\-SURE\-MENTS BEFORE ORDERING MATERIALS, EQUIPMENT AND THE LIKE. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL MAKE THE FOODSERVICE EQUIPMENT CONTRACTOR FULLY RESPONSIBLE FOR REPLACING UNSUITABLE MATERIAL OR EQUIPMENT AS NECESSARY, AND ALL COSTS ASSOCIATED THEREWITH SHALL BE BORNE BY THE FOODSERVICE EQUIPMENT CONTRACTOR.

5. RULES, REGULATIONS & CONTROL STANDARDS

a. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL COMPLY WITH ALL CODES, LAWS, ORDINANCES, RULES AND REGULATIONS RELATING TO THE WORK AND THE PRESERVATION OF PUBLIC HEALTH AND SAFETY.

b. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL EXECUTE THE WORK IN ACCORDANCE WITH ALL BUILDING CODES, SUPPLEMENTS AND ASSOCIATED DOCUMENTS, AND THE GOVERNING CODES, LAWS, ORDINANCES, RULES, REGULATIONS, AND DIRECTIVES OF ALL AUTHORITIES HAVING JURISDICTION OVER THE WORK.

6. PROJECT DOCUMENT / COMMUNICATION PROTOCOLS

a. UNLESS OTHERWISE NOTED, THIS PROJECT WILL UTILIZE THE PLANGRID CONSTRUCTION PRODUCTIVITY SOFTWARE HTTP://WWW.PLANGRID.COM FOR ALL DRAWING AND DOCUMENT COORDINATION WITH SITE, INCLUDING BUT NOT LIMITED TO DRAWING AND DOCUMENT ISSUANCE, SUBMITTAL / SHOP DRAWING TRACKING RFI'S, FIELD REVIEWS, AND PROGRESS PHOTO DOCUMENTATION.

b. THE FOOD EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE TO ACQUIRE AND MAINTAIN AT MINIMUM

ONE PLANGRID ACCOUNT FOR THE DURATION OF THE PROJECT.

7. PROGRESS PHOTOS

a. THE FOOD EQUIPMENT CONTRACTOR WILL BE RESPONSIBLE FOR PHOTO DOCUMENTING ALL CUSTOM FABRICATION AND EQUIPMENT INSTALLATION AND SHALL UPLOAD PHOTOS TO PLANGRID ON A WEEKLY BASIS AND AT EACH INSTALLATION MILESTONE.

8. MEETINGS

a. PRIOR TO START OF CONSTRUCTION, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL ARRANGE FOR AND ATTEND A MEETING WITH THE GENERAL CONTRACTOR. THE PURPOSE OF THIS MEETING IS TO DISCUSS THE FOODSERVICE EQUIPMENT CONTRACTOR'S RESPONSIBILITIES RELATING TO GENERAL DOCUMENTATION, CONTRACT PROCEDURES, SCHEDULING, AND ANY OTHER ISSUES CONCERNING THE SMOOTH EXECUTION OF THE WORK.

b. IF REQUESTED, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL, AFTER AWARD OF THE CONTRACT AND BEFORE COMMENCEMENT OF WORK ON THE SITE, ATTEND A CONSTRUC\-TION MEET\-ING TO BE HELD WITH THE OWNER, FOODSERVICE CONSULTANT, GENERAL CONTRACT\-OR AND ELECTRICAL AND MECHANICAL SUBCONTRACTORS. AT THIS MEETING THE PRIORITIES, TIMING OF SERVICE INTERRUPTIONS, PHASES OF THE WORK, ETC., WILL BE EXPLAINED IN DETAIL AND ANY CLARIFICATIONS WITH RESPECT TO SCHEDULING WILL BE BROUGHT FORWARD AND DISCUSSED.

c. PROGRESS MEETINGS SHALL BE HELD AT THE SITE AS AND WHEN REQUIRED BY THE GENERAL CONTRACTOR.

d. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL ATTEND PROGRESS MEETINGS WHEN REQUESTED BY THE GENERAL CONTRACTOR.

e. UPON REQUEST BY THE GENERAL CONTRACTOR, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL SUPPLY CONFIRMATION OF THE NUMBER OF WORKMEN FOR EACH WORK ACTIVITY WHO ARE OR HAVE BEEN ON THE SITE AT ANY GIVEN TIME. SUCH INFORMATION SHALL BE SUPPLIED BY THE END OF THE DAY UPON WHICH IT IS REQUESTED.

9. CONSTRUCTION SCHEDULE

a. THE FOOD EQUIPMENT CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE OVERALL PROJECT SCHEDULE PROVIDED BY THE GENERAL CONTRACTOR AND COORDINATING THE TIMELY DELIVERY AND INSTALLATION OF FS EQUIPMENT AS TO ENSURE THE OVERALL PROJECT SCHEDULE IS MAINTAINED.

b. IF THE OWNER / CONSULTANT'S EVALUATION AND ANALYSIS OF THE CONSTRUCTION SCHEDULE INDICATES THE NECESSITY FOR EITHER ACCELERATING THE WORK, REDIRECTING THE WORK, OR RESCHEDULING THE WORK, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL BE REQUIRED TO EFFECT SUCH ACTION AS DIRECTED. WHATEVER ACTION OR ACTIONS ARE INDICATED, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL PROVIDE A PLAN OR EFFECT SUCH ACTION AS MAY BE NECESSARY TO ACCOMPLISH THE REQUIREMENTS WITHIN THE CONTRACT TIME LIMITS.

10. SUBMITTALS _ GENERAL

a. ALL SHOP DRAWINGS, SAMPLES, COLOUR CHARTS, BROCHURES, EQUIPMENT DETAILS, TEMPLATES, INSTALLATION DRAWINGS / INSTRUCTIONS, ROUGH IN DRAWINGS OPERATING INSTRUCTIONS, AND OTHER SUBMITTALS REQUIRED BY THE SPECIFICATIONS, SHALL BE SUBMITTED TO THE FOODSERVICE CONSULTANT USING THE SUBMITTAL MODULE OF PLANGRID.

b. PRIOR TO SUBMISSION TO THE CONSULTANT, ALL ITEMS NOTED ABOVE SHALL BE CHECKED BY THE FOODSERVICE EQUIPMENT CONTRACTOR TO ASCERTAIN THEIR CORRECTNESS WITH RESPECT TO CONFORMITY WITH THE CONTRACT DOCUMENTS AND THEIR DIMENSIONAL SUITABILITY. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL APPROPRIATELY MARK (COVER SHEET OR SUBMITTAL STAMP) ALL SUBMITTALS TO SHOW THAT THEY HAVE BEEN REVIEWED PRIOR TO SUBMISSION ON PLANGRID. SUBMITTALS RECEIVED WITHOUT THE ABOVE NOTED INDICATION WILL BE RETURNED FOR RESUBMISSION.

c. REVIEW BY THE OWNER / CONSULTANT OF THE MATERIALS SUBMITTED BY THE FOODSERVICE EQUIPMENT CONTRACTOR DOES NOT LESSEN THE RESPONSIBILITY OF THE LATTER TO FURNISH EACH ITEM OF EQUIPMENT IN COMPLETE COMPLIANCE WITH THE CONTRACT DOCUMENTS.

11. SHOP DRAWINGS / CUT SHEETS

a. CUSTOM FABRICATION DRAWINGS - THE FEC SUPPLY THE OWNER / CONSULTANT WITH ADEQUATE SHOP DRAWINGS ON SHEET SIZES THAT MATCH PROJECT STANDARDS. AND TO BE AT NOT LESS THAN 1/2" (1:20) SCALE. SHOP DRAWINGS SHOULD BE FORMATTED SUCH THAT EACH ITEM IS SHOWN AS SEPARATE DRAWINGS AS TO ALLOW FOR THE TIMELY AND EFFICIENT REVIEW BY THE CONSULTANT.

SHOP DRAWINGS TO BE SUBMITTED VIA PLANGRID WITH THE ITEM NUMBER LINKED IN THE PLANGRID SUBMITTAL MODULE. SHOP DRAWINGS SUBMITTED WITH MULTIPLE ITEMS ON A SINGLE PAGE WILL BE RETURNED FOR RESUBMISSION.

SHOP DRAWINGS TO INCLUDE ELEVATIONS, SECTIONS AND DETAILS, FULLY DETAILED AS TO CONSTRUCTION AND GAUGE OF MATERIALS USED. ALL PURCHASED SUBCOMPONENTS ARE TO BE LISTED WITH MANUFACTURER AND MODEL NUMBERS. HAND DRAWN SHOP DRAWINGS WILL NOT BE ACCEPTED.

SCREEN GRABS OR CLIPS OF CONSULTANT'S DESIGN INTENT DRAWINGS SUBMITTED AS SHOP DRAWINGS WILL BE RETURNED FOR RESUBMISSION.

FOR REFERENCE, AN EXAMPLE OF ACCEPTABLE CUSTOM STAINLESS SHOP DRAWINGS IS INCLUDED IN APPENDIX A WITH THE DETAILED FOOD SERVICE SPECIFICATION FOR THIS PROJECT.

b. CUT SHEETS - THE FOOD EQUIPMENT CONTRACTOR SHALL PROVIDE A CUT SHEET BOOKLET FOR ALL “BOUGHT OUT” ITEMS BEING SUPPLIED AS PER THE CONTRACT. THE CUT SHEET BOOKLET SHALL BE IN NUMERICAL SEQUENCE CORRESPONDING WITH FS ITEM NUMBERS IDENTIFIED ON THE FS DRAWINGS AND MARKED CLEARLY TO SHOW QUANTITY, EQUIPMENT MODEL NUMBERS, AND OPTIONS / ACCESSORIES INCLUDED. IF THE CUT SHEET BOOKLET IS SUBMITTED WITHOUT THE ABOVE NOTED ITEMS WILL BE RETURNED FOR RESUBMISSION. THE CUT SHEET BOOKLET IS TO BE UPLOADED AS A SINGLE PACKAGE WITH IN PLANGRID AND IS TO HAVE ALL ITEM NUMBERS CALLED OUT IN THE PLANGRID SUBMITTAL MODULE LINKED TO IT.

c. UNLESS OTHERWISE DIRECTED IN WRITING, DO NOT PROCEED WITH ANY PART OF THE WORK UNTIL SHOP DRAWINGS AND CATALOGUE CUT SHEETS FOR THAT PART HAVE BEEN REVIEWED BY THE OWNER / CONSULTANT.

12. SITE LAYOUT / ROUGH IN VERIFICATION

THE FOOD EQUIPMENT CONTRACTOR IS TO ATTEND SITE WITH THE GENERAL CONTRACTOR DURING THE FRAMING AND ROUGH IN PHASE OF SITE WORK TO:

a. LAYOUT THE LOCATION OF ALL WALK IN COOLERS / FREEZERS, DIE WALLS AND CURBS. ALL MARKED OUT LAYOUT INFORMATION TO BE OF PERMANENT NATURE SUCH THAT IT IS VISIBLE THROUGH THE DURATION OF CONSTRUCTION.

b. CONFIRM ALL ROUGH IN LOCATIONS FOR MEP SERVICES RELATED TO FOOD SERVICE EQUIPMENT BEING PROVIDED. LOCATION OF SERVICES AND CONNECTION DETAILS INCLUDING BUT NOT LIMITED TO PLUMBING CONNECTIONS AND ELECTRICAL PLUGS / OUTLETS TO BE REVIEWED AND COORDINATED WITH THE GC AND THEIR MECHANICAL / ELECTRICAL SUB TRADES.

13. MATERIALS

a. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL SUBMIT TO THE OWNER / CONSULTANT, AS MAY BE REQUIRED OR REQUESTED, PROOF OF ORDERING MATERIALS AND EQUIPMENT, INCLUDING THOSE OF HIS SUBCONTRACTORS.

b. WHERE REQUIRED BY A PARTICULAR SPECIFICATION SECTION OR BY THE OWNER / CONSULTANT, SUBMIT SAMPLES FOR APPROVAL AND ANY REQUIRED TESTING. SAMPLES SHALL BE LABELLED WITH PROJECT NAME, MANUFACTURER'S NAME, CONTRACTOR'S NAME, PRODUCT NAME, PATTERN, DESIGN, MODEL NUMBER, COLOR CODE, ETC. SUCH SAMPLES SHALL BE SUBMITTED AT NO ADDITIONAL COST.

14. CERTIFICATES OF INSPECTION

a. ALL NECESSARY INSPECTION CERTIFICATES SHALL BE SUBMITTED TO THE OWNER BEFORE FINAL PAYMENTS ARE MADE. SUCH INSPECTION CERTIFICATES SHALL INCLUDE THOSE REQUIRED UNDER THE SPECIFICATIONS AND THOSE REQUIRED BY LOCAL, PROVINCIAL AND FEDERAL AUTHORITIES HAVING JURISDICTION OVER THE WORK.

15. PERMITS AND INSPECTIONS

a. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL FULLY COMPLY WITH AND SHALL ARRANGE TO OBTAIN AND PAY FOR ALL PERMITS, CLEARANCES, INSPECTIONS AND / OR TESTS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION OVER THE WORK.

b. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL GIVE AT LEAST 36 HOURS NOTICE TO THE OWNER OF THE FOLLOWING:

i. OF HIS INTENT TO DO WORK THAT IS REQUIRED OR ORDERED TO BE INSPECTED DURING THE COURSE OF CONSTRUCTION;

ii. OF HIS INTENT TO COVER WORK THAT HAS BEEN ORDERED TO BE INSPECTED PRIOR TO COVERING;

iii. WHEN WORK HAS BEEN COMPLETED SO THAT A FINAL INSPECTION CAN BE MADE.

c. COPIES OF APPLICATIONS FOR PERMITS, INSPECTIONS AND/OR TESTS NOTED ABOVE SHALL BE PROVIDED TO THE OWNER FOR HIS RECORDS.

16. TESTING

a. FOR THE PURPOSES OF QUALITY CONTROL, SPECIFIC PARTS OF THE WORK MAY BE SUBJECT TO ON_SITE AND / OR LABORATORY TESTING PROCEDURES DURING CONSTRUCTION BY AN INDEPENDENT TESTING AGENCY.

b. IF REQUIRED, TESTS TO BE CARRIED OUT SHALL BE AS DESCRIBED UNDER THE RESPECTIVE SPECIFICATION SECTIONS.

c. WRITTEN REPORTS ON EACH TEST, OR EACH SERIES OF TESTS/INSPECTIONS, SHALL BE PREPARED AND SUBMITTED TO THE OWNER / CONSULTANT.

d. THE FOODSERVICE EQUIPMENT CONTRACTOR, UPON REQUEST, SHALL COOPERATE IN MAKING TESTS ON THE VARIOUS PARTS OF THE WORK, INCLUDING SUFFICIENT PRIOR NOTICE OF TESTING TIMES. SCHEDULING AND EXPEDITING TESTING PROCEDURES WILL BE THE RESPONSIBILITY OF THE FOODSERVICE EQUIPMENT CONTRACTOR.

e. SHOULD TESTING SHOW DEFICIENCIES IN MATERIALS OR WORKMANSHIP, THAT PARTICULAR PORTION OF THE INSTALLATION SHALL BE SUBJECT TO REPLACEMENT AND RETESTING. THE COST SHALL BE BORNE BY THE FOODSERVICE EQUIPMENT CONTRACTOR.

f. UNLESS OTHERWISE STATED IN THE SPECIFICATIONS, THE COST OF ALL TESTING WILL BE PAID FOR BY THE FOODSERVICE EQUIPMENT CONTRACTOR.

17. FOODSERVICE EQUIPMENT CONTRACTOR'S USE OF SITE & PREMISES

a. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL CONFINE APPARATUS, THE STORAGE OF MATERIALS AND THE OPERATION OF HIS PERSONNEL AND / OR WORKERS TO WITHIN LIMITS ESTABLISHED BY THE GENERAL CONTRACTOR. PREPARATION, MAINTENANCE AND CLEANING OF THIS WORK AREA SHALL BE THE RESPONSIBILITY OF THE FOODSERVICE EQUIPMENT CONTRACTOR.

b. THE OPERATION OF VEHICLES AND MACHINERY IN CONNECTION WITH THE WORK SHALL BE CONFINED TO THE FOODSERVICE EQUIPMENT CONTRACTOR'S WORK AREA, UNLESS OTHERWISE APPROVED BY THE OWNER. ANY DAMAGE CAUSED TO EXISTING ROADS, PAVING, CURBS OR SIMILAR STRUCTURES AS A RESULT OF THE FOODSERVICE EQUIPMENT CONTRACTOR NOT COMPLYING WITH THIS CLAUSE SHALL BE IMMEDIATELY RECTIFIED AND THE COST OF SUCH REPAIR WORK SHALL BE BORNE BY THE FOODSERVICE EQUIPMENT CONTRACTOR.

c. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL PROVIDE FOR THE REPAIR OF ALL DAMAGE TO THE PREMISES AS A RESULT OF THIS INSTALLATION AND THE REMOVAL OF ALL DEBRIS LEFT BY THOSE ENGAGED IN THIS INSTALLATION.

d. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL PROVIDE FOR THE FOLLOWING: THE TESTING, CLEANING AND ADJUSTING OF ALL EQUIPMENT AND APPARATUS INSTALLED UNDER THIS CONTRACT AND THE REFINISHING OF ANY PAINTED AND FINISHED SURFACES DAMAGED DURING ERECTION; THE HANDING OVER OF THE COMPLETED INSTALLATION IN FIRST CLASS CONDITION AND WORKING ORDER; AND THE PROVISION FOR ALL SPECIAL ARRANGEMENTS WHICH MAY BE NECESSARY DURING THE PROGRESS OF THE WORK OF THIS CONTRACT TO FULLY PROTECT SUCH WORK AND ANY SURROUNDING OR ADJACENT WORK, AND THE REPAIR OF ALL WORK DAMAGED OR DISFIGURED DUE TO THE LACK OR FAILURE OF SUCH PROTECTION.

e. NEITHER SHALL EMPLOYEES OF THE FOODSERVICE EQUIPMENT CONTRACTOR, NOR ANY OF HIS SUPPLIERS OR SUBCONTRACTORS, AT ANY TIME GO TO OR BE PRESENT IN ANY AREA (OTHER THAN THE FOODSERVICE EQUIPMENT CONTRACTOR'S WORK AREA) WHERE THE EMPLOYEE IS NOT ACTIVELY ENGAGED IN THE WORK.

f. THE OWNER WILL HAVE COMPLETE JURISDICTION OVER THE ENTRY OF THE FOODSERVICE EQUIPMENT CONTRACTOR'S STAFF AND WORKMEN TO THE SITE AND CONTROL OF CONSTRUC\-TION VEHICLE ROUTES WITHIN THE SITE. THE GENERAL CONTRACTOR WILL PROVIDE SECURITY PERSONNEL AT ALL POINTS OF SITE ACCESS. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL ARRANGE AND PAY FOR GATE SECURITY REQUIRED FOR HIS OPERATION OUTSIDE USUAL WORKING HOURS.

g. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL ENFORCE THE OWNER'S INSTRUCTIONS (IF ANY) REGARDING HEALTH, SAFETY AND LOSS PREVENTION, SIGNS, ADVERTISEMENTS, FIRES AND SMOKING. NO FIRES, EXPLOSIVES OR SIMILAR DANGEROUS ACTIVITIES / MATERIALS WILL BE PERMITTED AT THE SITE WITHOUT WRITTEN PERMISSION OF THE GENERAL CONTRACTOR.

h. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL PROVIDE ALL SCAFFOLDING NECESSARY FOR THE EXECUTION OF HIS WORK, INCLUDING ANY SPECIAL HOISTING EQUIPMENT AND OPERATORS REQUIRED.

i. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL NOT UNREASONABLY ENCUMBER THE SITE WITH HIS MATERIALS AND EQUIPMENT.

18. SETTING OUT

a. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL CHECK ACTUAL WALL DIMENSIONS AND ROUGHING IN ON THE JOB SITE AND WILL BE RESPONSIBLE FOR ENSURING THAT THE EQUIPMENT IS FABRICATED AND INSTALLED ACCORDING TO THE AVAILABLE SPACE AND SERVICES AS THEY EXIST ON SITE.

b. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL CHECK ALL PASSAGEWAYS, DOOR OPENINGS, ELEVATORS, ETC., TO ENSURE THAT EQUIPMENT CAN BE MOVED TO ITS PROPER LOCATION IN THE BUILDING AND, IF NECESSARY, CHECK WITH THE GENERAL CONTRACTOR REGARDING THE POSSIBILITY OF HOLDING WALL ERECTION, PLACEMENT OF DOOR JAMBS, ETC., FOR THE PURPOSE OF CONVEYING EQUIPMENT TO ITS PROPER LOCATION. ANY REMOVAL AND REBUILDING OF WALLS, DOORWAYS, ETC., NECESSARY TO PLACE EQUIPMENT, IF CAUSED BY INCORRECT INFORMATION ON THE FOODSERVICE EQUIPMENT CONTRACTOR'S DRAWINGS, SHALL BE DONE AT THE EXPENSE OF THE FOODSERVICE EQUIPMENT CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.

c. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL PROVIDE INFORMATION FOR THE PROPER LOCATION, NUMBER AND SIZE OF OPENINGS, HOLES, CHASES, SLEEVES, INSERTS AND HANGERS AS IS NECESSARY FOR THE CONTINUING PERFORMANCE OF THE WORK BY THE OWNER/GENERAL CONTRACTOR AND HIS CONTRACTORS.

d. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS AND THEIR SUBCONTRACTORS IN INSTALLING ALL PORTIONS OF THE WORK WHICH MAY AFFECT THE OVERALL PERFORMANCE OF THE WORK UNDER THE CONTRACT. THE FOODSERVICE EQUIPMENT CONTRACTOR, WHEN ARRANGING THE INSTALLATION OF EQUIPMENT AND OTHER WORK ACTIVITIES, SHALL GIVE PROPER CONSIDERATION TO OTHER PLANT ACTIVITY, EQUIPMENT, BUILDING CONSTRUCTION AND FINISHES.

19. SECURE STORAGE

a. THE OWNER SHALL DESIGNATE CERTAIN AREAS IN THE WORK AREA TO BE USED AS TEMPORARY LOCKFAST STORES, AND THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL COMPLY WITH THE GENERAL CONTRACTOR'S INSTRUCTIONS IN THIS REGARD.

20. PROTECTION OF WORK

a. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL ENSURE THAT HIS EMPLOYEES AND THOSE OF HIS SUBCONTRACTORS TAKE PARTICULAR PRECAUTIONS SO AS NOT TO DAMAGE OR DISTURB TEMPORARY PROTECTIVE COVERINGS TO BUILDING FINISHES AND THE LIKE. THE FOODSERVICE EQUIPMENT CONTRACTOR AND EACH OF HIS SUBCONTRACTORS SHALL PROTECT HIS OWN WORK AND THE WORK OF OTHER CONTRACTORS FROM DAMAGE ARISING OUT OF CONSTRUCTION OPERATIONS. FITTINGS AND FIXTURES SHALL NOT BE USED FOR UNINTENDED PURPOSES. THE FOODSERVICE EQUIPMENT CONTRACTOR AND HIS SUBCONTRACTORS SHALL, WITHIN 24 HOURS OF PROJECT TURN OVER, BE RESPONSIBLE FOR REMOVING PROTECTIVE COVERINGS AND FOR RESTORING ALL FITTINGS, FIXTURES AND COMPONENTS TO PRODUCE THE INTENDED APPEARANCE AND QUALITY.

21. DEBRIS REMOVAL

a. ON COMPLETION OF HIS WORK IN EACH BUILDING AREA, THE FOODSERVICE EQUIPMENT CONTRACTOR AND EACH OF HIS SUBCONTRACTORS SHALL REMOVE ALL TOOLS AND EQUIPMENT AND LEAVE AREAS SWEPT CLEAN. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTE FROM EACH BUILDING AND SITE PERIODICALLY. NO ACCUMULATION OF DEBRIS WILL BE PERMITTED.

22. MATERIALS, HANDLING, STORAGE AND PROTECTION

a. NO PRODUCTS, MATERIALS OR COMPONENTS SHALL BE ACCEPTED FOR THE WORK THAT ARE NOT PRE-TESTED BY RECOGNIZED AUTHORITIES IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE STANDARDS THAT GOVERN IN THE COUNTRY OF INSTALLATION AND THE SPECIFICATIONS.

b. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL SCHEDULE THE PURCHASE AND DELIVERY OF ALL MATERIALS AND COMPONENTS TO MEET THE NEEDS OF THE CONSTRUC\-TION SCHEDULE. FAILURE TO OBTAIN MATERIALS AND / OR COMPONENTS AT SUCH TIME AS WILL MEET THE CONSTRUCTION SCHEDULE WILL NOT BE ACCEPTED AS A BASIS FOR SUBSTITUTIONS.

c. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE FOR THE HANDLING, STORING AND PROTECTION OF MATERIALS IN ACCORDANCE WITH THE RECOMMENDATIONS AND INSTRUCTIONS OF ALL MANUFACTURERS, SUPPLIERS AND APPLICABLE ASSOCIATIONS, SO AS TO KEEP THEM CLEAN, DRY AND TO PREVENT THEIR DAMAGE OR DETERIORATION.

d. STORAGE AREAS, GENERALLY WITHIN THE FOODSERVICE EQUIPMENT CONTRACTOR'S WORK AREA, WILL BE ALLOTTED BY THE GENERAL CONTRACTOR. THE FOODSERVICE EQUIPMENT CONTRACTOR MAY BE REQUIRED, AT HIS OWN EXPENSE, TO RELOCATE HIS STORED MATERIALS AS OFTEN AS REQUIRED BY THE GENERAL CONTRACTOR TO FACILITATE THE EFFICIENT EXECUTION OF THE WORK.

e. MATERIALS SHALL BE PROTECTED FROM DAMAGE DURING HANDLING, STORAGE AND INSTALLATION. MATERIALS SHALL BE STORED IN DRY WEATHER TIGHT ENCLOSURES.

f. METALS SHALL BE PROTECTED AGAINST CORROSION AND BENDING.

g. PACKAGES OF BUNDLED MATERIALS SHALL BE STORED IN ORIGINAL AND UNDAMAGED CONDITION WITH MANUFACTURER'S SEALS AND LABELS INTACT. FLAT, SOLID SUPPORT SHALL BE PROVIDED FOR ALL SHEET MATERIAL DURING STORAGE.

h. LOSS OR DAMAGE OF MATERIALS AND EQUIPMENT SHALL BE MADE GOOD OR SHALL BE REPLACED TO THE SATISFACTION OF AND AT NO ADDITIONAL COST TO THE OWNER / CONSULTANT. RESPONSIBILITY REMAINS WITH THE FOODSERVICE EQUIPMENT CONTRACTOR FOR ANY LOSS OR DAMAGE WHICH OCCURS PRIOR TO FINAL ACCEPTANCE.

i. THE STORAGE AREA IN THE FOODSERVICE EQUIPMENT CONTRACTOR'S WORK AREA SHALL BE KEPT TIDY AT ALL TIMES AND NO OTHER PART OF THE PROPERTY SHALL BE USED FOR THIS PURPOSE.

j. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL REMOVE HIS OWN COMBUSTIBLE MATERIALS FROM AREAS IN WHICH WELDING OR CUTTING IS TO TAKE PLACE AND SHALL PROVIDE FLAMEPROOF TARPAULINS AND APPROVED FIRE EXTINGUISHERS AS A MEANS OF READILY AVAILABLE FIRE PROTECTION.

23. APPROVED MATERIALS

a. APPROVED MANUFACTURERS AND / OR MATERIALS AS NOTED ARE APPROVED ONLY INSOFAR AS THEY SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS AND THE STANDARDS SET BY UNDERWRITERS' LABORATORY, CANADIAN STANDARDS ASSOCIATION (FOR CANADIAN PROJECTS), NATIONAL BUILDING CODE, AMERICAN SOCIETY OF TESTING AND MATERIALS, TRADE ASSOCIATION SPECIFICATIONS, AND ALL GOVERNMENTAL AUTHORITIES HAVING JURISDICTION AT THE SITE.

b. WHERE REFERENCE IS MADE TO MATERIAL STANDARDS, IT SHALL MEAN THE CURRENT ISSUE PUBLISHED BY THE SPECIFIED STANDARDS ORGANIZATION RESPONSIBLE FOR ISSUING THAT STANDARD.

24. SERVICES AND EQUIPMENT

a. NO SERVICES, PLANT, EQUIPMENT OR MOTORIZED DEVICE INSTALLED AS A PERMANENT PART OF THE CONTRACT SHALL BE USED FOR CONSTRUCTION PURPOSES, SAVE BY SPECIFIC AGREEMENT WITH THE GENERAL CONTRACTOR CONCERNING CONDITIONS OF USE AND COMPENSATION FOR WEAR AND TEAR.

NOT FOR CONSTRUCTION

DRAWING DISCLAIMER: THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, INTERIOR DESIGN, FOOD SERVICE, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL DRAWINGS AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

THIS DRAWING SHOULD ALSO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL MASTER SPECIFICATION, FOOD SERVICE SPECIFICATION AND ENVIRONMENTAL GRAPHICS SPECIFICATION AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

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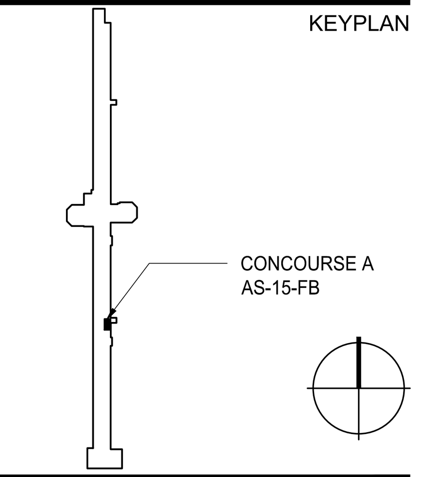

DATE	ISSUE	REVISION
2025.07.10	30% CLIENT REVIEW	
2025.08.15	30% AIRPORT REVIEW	
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.02.24	90% COORDINATION REVIEW	
2026.03.24	100% AIRPORT REVIEW	

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CORNER CAFE
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SHEET NUMBER

FS 1.0

PROJECT NUMBER	1808

25. SCOPE OF WORK _ GENERAL

a. THE WORK COVERED BY THESE SPECIFICATIONS CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, APPLIANCES AND MATERIALS, AND PERFORMING ALL OPERATIONS RELATED TO THE INSTALLATION OF ALL FOODSERVICE EQUIPMENT WORK AS SET OUT IN THE SPECIFICATIONS AND APPLICABLE DRAWINGS, INCLUDING THAT WHICH IS REASONABLY INFERRED. THE WORK SHALL BE PERFORMED IN SUCH A WAY AS TO COMPLETE THE FUNCTION FOR WHICH IT IS DESIGNED.

b. ALL FOODSERVICE EQUIPMENT SHALL BE SUPPLIED, ASSEMBLED AND SET INTO POSITION AS PER LAYOUT DRAWINGS, READY FOR CONNECTION BY OTHERS.

c. THE EQUIPMENT SHALL BE DELIVERED AND INSTALLED IN ACCORDANCE WITH THE CONSTRUCTION SCHEDULE AS SET BY THE GENERAL CONTRACTOR. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE GENERAL CONTRACTOR.

d. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE FOR MEASURING ALL FIELD DIMENSIONS AND SHALL GUARANTEE THAT EQUIPMENT WILL FIT CORNERS SNUGLY: I.E., OVER OR UNDER 90 DEGREES, OR WHATEVER CONDITION EXISTS.

e. ALL EQUIPMENT LOCATED AGAINST A WALL SHALL BE INSTALLED TIGHT TO THE WALL SURFACE AND SEALED WITH SILICONE SEALER OR STAINLESS STEEL FILLER STRIPS TO PREVENT KITCHEN SOIL AND VERMIN FROM COLLECTING. THE TYPE OF SEAL REQUIRED SHALL BE APPROVED BY THE OWNER / CONSULTANT. WHERE EQUIPMENT CANNOT BE INSTALLED TIGHT TO WALL DUE TO PIPING, CONDUIT, PROTRUSIONS, ETC., THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL PROVIDE STAINLESS STEEL FILL STRIPS TO CLOSE UP THE OPENINGS OCCURRING AROUND THE UNIT BASE, SIDES AND TOP.

f. TRAYS, BUN PANS AND STEAM TABLE PANS LISTED ARE ONLY PRELIMINARY WORKING SIZES. ACTUAL SIZES MUST BE CONFIRMED BY THE OWNER / CONSULTANT. ANY CHANGES IN PAN AND TRAY SIZES TO THOSE SPECIFIED SHALL NOT CONSTITUTE AN EXTRA.

g. WHERE EQUIPMENT IS SHIPPED IN MORE THAN ONE PIECE AND REQUIRES INTEGRAL MECHANICAL AND ELECTRICAL WORK, THIS SHALL BE DONE BY THE FOODSERVICE EQUIPMENT CONTRACTOR AND BROUGHT TO A COMMON POINT OR POINTS AS INDICATED ON THE DRAWINGS.

h. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL SUPPLY ALL INSERTS, ANCHORS, BOLTS, SLEEVES, FERRULES AND SIMILAR ITEMS REQUIRED TO BE ATTACHED TO OR BUILT INTO MASONRY, CONCRETE AND OTHER WORK FOR THE PROPER ANCHORAGE OF EQUIPMENT TO BE INSTALLED UNDER THIS CONTRACT INCLUDING THE NECESSARY TEMPLATES, INSTRUCTIONS, DIRECTIONS AND / OR ASSISTANCE IN THE LOCATION AND INSTALLATION OF ALL SUCH ITEMS.

i. SUITABLE OPENINGS SHALL BE PROVIDED ON FABRICATED EQUIPMENT, AS REQUIRED, TO ACCOMMODATE SERVICE AND UTILITY LINES AND MECHANICAL CONNECTIONS. THESE OPENINGS SHALL BE OF PROPER SIZE AND SHALL BE NEATLY MADE WITH TURNED UP EDGES TO ELIMINATE ANY CUTTING OR DEFACING OF EQUIPMENT. WHERE REQUIRED, CABINET BASES SHALL BE PROVIDED WITH AN INNER PANEL DUCT AT THE ENDS OR REAR OF THE CABINET ALLOWING ADEQUATE SPACE TO CONCEAL VERTICAL PIPING. SUCH WORK, WHEN PERFORMED ON SITE, SHALL BE OF THE SAME QUALITY AS SIMILAR WORK PERFORMED IN THE SHOP.

j. ALL HARDWARE AND COMPONENTS SHALL BE SUPPLIED AND INSTALLED AS SHOWN AND SPECIFIED, TOGETHER WITH ALL SHELVES, LOCKS, CATCHES AND OTHER HARDWARE CUSTOMARILY PART OF THE EQUIPMENT.

k. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL TEST, CLEAN AND ADJUST ALL EQUIPMENT AND APPARATUS INSTALLED UNDER THIS CONTRACT, AND SHALL REFINISH ANY PAINTED OR FINISHED SURFACES DAMAGED DURING ERECTION. THE COMPLETED INSTALLATION SHALL BE HANDED OVER IN FIRST CLASS CONDITION AND WORKING ORDER. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL, DURING THE PROGRESS OF THE WORK OF THIS CONTRACT, PROVIDE FOR ANY SPECIAL ARRANGEMENTS WHICH MAY BE NECESSARY TO FULLY PROTECT SUCH WORK AND ANY SURROUNDING OR ADJACENT WORK, AND SHALL PROVIDE FOR THE REPAIR OF ALL WORK DAMAGED OR DISFIGURED DUE TO A LACK OR FAILURE OF SUCH PROTECTION.

l. NO EQUIPMENT SHALL BE DELIVERED UNTIL THE PORTION OF THE BUILDING IN WHICH IT IS TO BE INSTALLED IS COMPLETED AND READY FOR THE EQUIPMENT, AS COORDINATED BY THE GENERAL CONTRACTOR.

m. PROTECTIVE FILM APPLIED TO EQUIPMENT AND STAINLESS STEEL FABRICATED ITEMS IS TO BE LEFT IN PLACE AND ONLY REMOVED BY THE FEC 24 HOURS PRIOR TO FINAL INSPECTION BY OWNER / SMARTDESIGN GROUP.

n. THE FOODSERVICE EQUIPMENT CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL EQUIPMENT WITHIN CONTRACT IS INSTALLED LEVEL. ALL EQUIPMENT WITH ADJUSTABLE LEGS IS TO BE LEVELLED PLUMB. ALL CABINET FABRICATION WITH CURB BASES TO BE INSTALLED AND LEVELLED AS REQUIRED. FEC IS REQUIRED TO SCRIBE CURB BASES PLUMB, PROVIDE CUSTOM CHANNEL FILLERS AND FABRICATE BASES ACCORDING TO SITE CONDITIONS.

26. SCOPE OF WORK _ ELECTRICAL - BY FOODSERVICE EQUIPMENT CONTRACTOR

a. ELECTRICAL COMPONENTS SUPPLIED UNDER THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE COMPONENTS BEING USED IN THE BALANCE OF THE PROJECT. THIS SHALL INCLUDE ALL EQUIPMENT-MOUNTED RECEPTACLES COMPLETE WITH STAINLESS STEEL COVER PLATES WHERE EXPOSED. THE WORK SHALL BE COORDINATED SO THAT THE RECEPTACLES PROVIDED WILL MATCH THE SPECIFIC PLUGS PROVIDED AS PART OF THE PLUG-IN EQUIPMENT. ANY CHANGES IN CORDS AND PLUGS REQUIRED IN THE FIELD DUE TO LACK OF COORDINATION SHALL BE THE RESPONSIBILITY OF THE FOODSERVICE EQUIPMENT CONTRACTOR. THE LENGTHS OF ALL CORDS PROVIDED WITH THE SPECIFIED EQUIPMENT SHALL BE REDUCED TO AN APPROPRIATE LENGTH SO THAT THEY DO NOT INTERFERE WITH OTHER EQUIPMENT OR OPERATIONS.

b. WHERE SPECIFIED FOR CUSTOM FABRICATED EQUIPMENT, A COMPARTMENT SHALL BE PROVIDED WITH AN ELECTRICAL SUB-PANEL WHICH SHALL BE PRE-WIRED THROUGH CONDUIT CONCEALED IN CABINET BODY CONSTRUCTION AND CONNECTED TO ALL ELECTRICAL COMPONENTS BUILT INTO OR SET UPON THE COUNTER. ALL INTERNAL WIRING SHALL BE DONE USING WIRE AND CONDUIT SUITABLE FOR A WET LOCATION. ALL CIRCUITS SUPPLYING EQUIPMENT SHALL BE CLEARLY IDENTIFIED BY A PERMANENT PLASTIC LABEL. ELECTRICAL SUB-PANEL SHALL BE ULC LISTED, 3-PHASE, 4-WIRE CIRCUIT BREAKER TYPE WITH A GROUND BUS MAIN BREAKER AND INDIVIDUAL BREAKERS FOR EACH SERVICED LOAD. ALL BUSSES SHALL BE COPPER AND THE CIRCUIT BREAKERS SHALL BE MOLDED CASE, BOLT-ON TYPE WITH THERMOMAGNETIC QUICK-MAKE, QUICK-BREAK TRIP. MULTI-POLE CIRCUIT BREAKERS SHALL HAVE AN INTERNAL TRIP BAR. THE CIRCUIT BREAKERS SHALL HAVE AN INTERRUPTING CAPACITY OF 10,000 AMPERES AT 120 VOLTS AND THERE SHALL BE A SEPARATE BREAKER FOR EACH CONNECTED LOAD. EACH BREAKER SHALL BE SIZED FOR 125% OF THE CONNECTED LOAD AND A MINIMUM OF TWO (2) EXTRA, SINGLE POLE, 20 AMP CIRCUIT BREAKERS SHALL BE PROVIDED. THE LOADS SHALL BE CONNECTED THROUGH THE BREAKERS IN A PHASED SEQUENCE TO BALANCE THE LOAD ON EACH PHASE. MAIN CONNECTION TO THE PANEL SHALL BE MADE BY THE ELECTRICAL CONTRACTOR AT THE JOB SITE AFTER THE EQUIPMENT IS INSTALLED.

c. ALL MOTORS SHALL BE SUPPLIED COMPLETE WITH COMBINATION UNFUSED MAGNETIC OR MANUAL STARTERS AND INTEGRAL DISCONNECT SWITCHES WHERE REQUIRED TO SATISFY THE ELECTRICAL CODE REQUIREMENTS.

d. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL SUPPLY DISCONNECTS FOR HEATERS OR ANY OTHER UNITS WHERE SPECIFIED, AND SHALL BE RESPONSIBLE FOR THE WIRING FROM STARTERS AND DISCONNECT SWITCHES TO SUCH EQUIPMENT. ALL SWITCHES, PANELS AND STARTERS SHALL BE PROVIDED WITH STAINLESS STEEL MOUNTING BRACKETS WHERE REQUIRED.

e. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL SUPPLY AND INSTALL ADEQUATE LOW WATER CUT_OFF PROTECTION FOR ALL ELECTRICALLY HEATED WATER TANKS, PANS, ETC.

f. ROTATING OR RECIPROCATING MACHINERY SHALL BE ISOLATED AS REQUIRED, TO PREVENT OBJECTIONABLE NOISES AND VIBRATIONS.

g. LIGHT RECEPTACLES, LAMPS AND AUTOMATIC DOOR SWITCHES SHALL BE PROVIDED FOR CUSTOM FABRICATED AND STANDARD REFRIGERATED UNITS AND SECTIONS, WHERE SPECIFIED.

h. WHERE LIGHT FIXTURES ARE SPECIFIED OR DETAILED AS PARTS OF COUNTERS, CASES, OR FIXTURES, ALL BALLASTS SHALL BE INCLUDED. ALL LAMPS FOR LIGHT FIXTURES SHALL BE PROVIDED AND INSTALLED BY THE FOODSERVICE EQUIPMENT CONTRACTOR. WARM WHITE LAMPS SHALL BE SUPPLIED, OR AS SPECIFIED.

i. WHERE RECEPTACLES ARE SHOWN IN FABRICATED FIXTURES, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL SUPPLY RECEPTACLES SET INTEGRALLY IN PLACE WITH CONDUIT EXTENDED FROM BOX TO A POSITION ACCESSIBLE TO THE ELECTRICIAN.

j. WHERE EQUIPMENT IS SHIPPED IN MORE THAN ONE PIECE AND REQUIRES INTEGRAL ELECTRICAL WORK, THIS SHALL BE DONE BY THE FOODSERVICE EQUIPMENT CONTRACTOR AND BROUGHT TO A COMMON POINT OR POINTS AS INDICATED IN THE SERVICES ROUGH-IN DRAWINGS.

27. SCOPE OF WORK _ MECHANICAL, PLUMBING, GAS, STEAM _ BY FOODSERVICE EQUIPMENT CONTRACTOR

a. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL SUPPLY AND MOUNT ALL COMBINATION SUPPLY FIXTURES, DECK TYPE OR WALL TYPE WITH AERATORS AND REPLACEABLE SEATS AS REQUIRED FOR THE EQUIPMENT UNDER THIS CONTRACT. CHECK VALVES FOR WATER SUPPLY FIXTURES SHALL BE PROVIDED WHERE DANGER OF CROSS FLOW EXISTS. ALL FAUCETS SHALL BE OF COMMON MANUFACTURE THROUGHOUT.

b. CHROME PLATED BRASS BLOWDOWN EXTENSIONS SHALL BE INSTALLED FROM STEAM PRESSURE RELIEF VALVES TO WITHIN 12" (305 MM) OF THE FLOOR AT THE BACK OF ALL UNITS EQUIPPED WITH SAFETY VALVES.

c. PROPER ACCESS TO HUB DRAINS / FLOOR SINKS SHALL BE PROVIDED.

d. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL SUPPLY AND INSTALL ALL STEAM COILS WHERE REQUESTED; TO BE LEFT READY FOR CONNECTION BY OTHERS.

e. WHERE EQUIPMENT IS SHIPPED IN MORE THAN ONE PIECE AND REQUIRES INTEGRAL MECHANICAL WORK, THIS SHALL BE DONE BY THE FOODSERVICE EQUIPMENT CONTRACT\-OR AND BROUGHT TO A COMMON POINT OR POINTS, AS INDICATED ON THE SERVICES ROUGH-IN DRAWINGS.

f. WHEREVER GAS OR STEAM HEATING EQUIPMENT OR THERMOSTAT CONTROLS FOR SUCH EQUIP\-MENT ARE USED, THEY SHALL BE COMPLETE AND OF MATERIALS, SIZE OR RATING AS SPECIFIED WITHIN THE EQUIPMENT ITEM OR DETAILS. ALL SUCH EQUIPMENT SHALL BE OF A NATURE AND SO INSTALLED AS TO BE READILY CLEANABLE OR MADE EASILY REMOVABLE FOR CLEANING.

g. ADEQUATE LOW WATER CUT_OFF PROTECTION SHALL BE SUPPLIED AND INSTALLED FOR ALL GAS HEATED WATER TANKS, PANS, ETC.

h. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL SUPPLY AND INSTALL CHEMICAL SUPPRESSION SYSTEMS AT EXHAUST CANOPIES AND SHALL SUPPLY GAS SHUT_OFF SOLENOID VALVES FOR INSTALLATION BY MECHANICAL (GAS FITTER) CONTRACTOR. REMOTE MANUAL PULLS SHALL BE ADDED WHERE INDICATED.

28. **SCOPE OF WORK _ REFRIGERATION _ BY THE FOODSERVICE EQUIPMENT CONTRACTOR**

THE SCOPE OF WORK INCLUDES THE SUPPLY AND INSTALLATION OF ALL COOLER AND FREEZER ROOMS AND REACH IN REFRIGERATORS / FREEZER UNITS BOTH IDENTIFIED BY MANUFACTURER AND CUSTOM FABRICATED; AND THE INSTALLATION, TESTING AND SATISFACTORY TURNOVER TO THE OWNER OF COMPLETE, OPERATIONAL AND PROPERLY SIZED REFRIGERATION EQUIPMENT AND LINES FOR ALL REFRIGERATOR AND FREEZER UNITS, WITH ALL NECESSARY BLOWER COILS, CONDENSERS, COMPRESSORS, VALVES, FITTINGS AND COMPONENTS, AS OUTLINED IN THE SPECIFICATIONS. ALL REFRIGERATION WORK SHALL COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES AND ORDINANCES, AND SHALL BE IN COMPLIANCE WITH CURRENT "ASHRAE" STANDARDS AND THE MONTREAL PROTOCOL CONCERNED WITH CFC

29. WORK UNDER OTHER DIVISIONS _ TO BE PERFORMED BY OTHERS

a. ELECTRICAL

1. THE INSTALLATION OF ELECTRICAL SERVICES, THE CONNECTION OF SAME TO EQUIPMENT, THE SUPPLY OF RIGID CONDUIT AND JUNCTION BOXES, AND THE WIRING FROM DISCONNECTS AND SWITCHES TO THE SOURCE OF POWER. ALL ELECTRICAL SERVICES ARE TO RUN WITHIN WALL CAVITIES - NO EXPOSED CONDUIT WILL BE ACCEPTED.
2. ALL BUILDING WIRING, OUTLET RECEPTACLES, COVER PLATES, CONDUIT, OVER-CURRENT PROTECTION, MAIN SWITCHES, SAFETY CUT-OUTS, SHUNT TRIP BREAKERS, DISCONNECT SWITCHES, AND CONTROLLERS.
3. TEMPORARY LIGHT AND POWER REQUIRED FOR INSTALLATION OF THE FOODSERVICE EQUIPMENT.
4. EMPTY CONDUIT FOR BEVERAGE SYSTEM, REFRIGERATION SYSTEM AND POINT-OF-SALE SYSTEMS.
5. INTERWIRING OF FIRE PROTECTION SYSTEMS, EXHAUST HOOD CONTROLS, FIRE ALARM SYSTEMS AND COOKING EQUIPMENT SHUTDOWN DEVICES.

b. MECHANICAL / PLUMBING

6. INSTALLATION AND CONNECTION OF ALL WATER, STEAM, DRAINAGE, VENTILATION AND GAS REQUIRED FOR THE COMPLETE OPERATION OF THE FOODSERVICE EQUIPMENT. THE INSTALLATION INCLUDES: A SHUT_OFF VALVE ON EACH WATER SUPPLY, CLEAN\-OUTS, LINE STRAINERS, SHOCK ABSORBERS, PRESSURE REDUCING VALVES, CHECK VALVES, GAUGES, GREASE INTERCEPTORS, FLOOR DRAINS AND SINKS, AND BACKFLOW PREVENTERS FOR WATER AS REQUIRED FOR THE PROPER OPERATION OF THE FOODSERVICE EQUIPMENT, EXCEPT AS SPECIFIED IN THE ITEMIZED FOOD SERVICE EQUIPMENT SPECIFICATION.
7. VENTILATION - ALL VENTILATION DUCT WORK, INCLUDING FINAL CONNECTIONS TO HOODS AND VENTILATORS, EXCEPT DUCT WORK TO CEILING LINE OR AS SPECIFIED BY INDIVIDUAL ITEMS. THE SUPPLY AND INSTALLATION OF CEILING GRILLS, EXHAUST FANS AND DUCTS ARE INCLUDED IN THE MECHANICAL DIVISION.
8. GAS _ THE ROUGHING_IN FOR GAS SUPPLY AND CONNECTION, INCLUDING ALL VALVES, REGULATORS AND CONTROLS IS INCLUDED IN THE PLUMBING/MECHANICAL DIVISION. NOTE: ALL GAS LINES ARE TO BE RUN WITHIN WALL CAVITIES AND STUBBED OUT AT POINT OF USE UNLESS OTHERWISE SPECIFIED.
9. GAS _ THE ROUGHING_IN FOR GAS SUPPLY AND CONNECTION, INCLUDING ALL VALVES, REGULATORS AND CONTROLS IS INCLUDED IN THE PLUMBING/MECHANICAL DIVISION. NOTE: ALL GAS LINES ARE TO BE RUN WITHIN WALL CAVITIES AND STUBBED OUT AT POINT OF USE UNLESS OTHERWISE SPECIFIED.

c. MASONRY - GENERAL CONTRACTOR

10. ALL MASONRY WORK, INCLUDING FLOOR DEPRESSIONS, MASONRY WALLS, OPENINGS FOR PASS_THROUGHS, INSULATION AND FINISHED FLOORS WITHIN REFRIGERATOR AND FREEZER ROOMS. THE SUPPLY AND INSTALLATION OF ALL EXPANSION JOINT MATERIALS, SUPPLIED UNDER OTHER CONTRACTS FOR THE PERIMETER OF THE REFRIGERATOR AND FREEZER ROOMS. THE SLOPING OF FLOORS IN THE TRUCK WASHING AREA AND DISHWASHING AREAS AND SUPPLY OF FLOOR DRAINS WHERE REQUIRED

30. N. I. C. ITEMS

a. THE TERM "N.I.C." (NOT IN CONTRACT) NOTED ON DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS SHALL MEAN ITEMS SUPPLIED BY OTHERS OR SUPPLIED AND INSTALLED BY OTHER CONTRACTORS.

31. APPLICATION FOR SUBSTANTIAL PERFORMANCE OF THE WORK

a. PRIOR TO APPLICATION FOR FINAL INSPECTION OF THE WORK, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL CAREFULLY INSPECT THE WORK AND ENSURE THAT IT IS COMPLETED AND THAT MAJOR AND MINOR CONSTRUCTION DEFICIENCIES ARE COMPLETE AND / OR CORRECTED AND THAT THE BUILDING IS CLEAN AND IN CONDITION FOR OCCUPANCY. AT THIS TIME ALL EQUIPMENT IS SET IN PLACE COMMISSIONED AND READY FOR USE, SUB COMPONENTS SUCH AS SHELVING IS INSTALLED AND PROTECTIVE FILM ON ALL EQUIPMENT HAS BEEN REMOVED. THE FEC SHALL NOTIFY THE OWNER / CONSULTANT IN WRITING OF SATISFACTORY COMPLETION, AT THE SAME TIME REQUESTING AN OFFICIAL INSPECTION.

b. DURING INSPECTION A DEFICIENCY / PUNCH REPORT SHALL BE CREATED BY THE CONSULTANT USING PLAN GRID. THE FEC IS RESPONSIBLE TO ADDRESS THE DEFICIENCY, NOTE IT AS COMPLETE IN THE TASK COMMENT FIELD AND TO PROVIDE PHOTO DOCUMENTATION WITH PLAN GRID.

32. DEMONSTRATION OF EQUIPMENT

a. THE DEMONSTRATION OF ALL EQUIPMENT BY A COMPETENT REPRESENTATIVE (S) TO ASSURE ITS PROPER FUNCTION AND TO DEMONSTRATE ITS PROPER OPERATION IS THE FOODSERVICE EQUIPMENT CONTRACTOR'S RESPONSIBILITY.

b. ARRANGEMENTS FOR THE DEMONSTRATION SHALL BE MADE A MINIMUM OF TWO (2) WEEKS IN ADVANCE BY PERSONS PERFORMING THE DEMONSTRATION AND SHALL BE PLANNED AND COORDINATED WITH THE AVAILABILITY OF DESIGNATED OWNER STAFF.

c. ALL EQUIPMENT SHALL BE TESTED, CLEANED AND ADJUSTED BY TRAINED, QUALIFIED PEOPLE PRIOR TO THE DEMONSTRATION, TO ENSURE THAT ALL CORRECT SERVICES HAVE BEEN PROVIDED FOR AND THAT EQUIPMENT IS OPERATIONAL AND COMPLETE IN ALL RESPECTS, INCLUDING ALL SPECIFIED ACCESSORIES.

33. OPERATION MANUALS / SERVICE / WARRANTY INFO

a. IT IS THE FOODSERVICE EQUIPMENT CONTRACTOR'S RESPONSIBILITY TO SUBMIT AN OWNER'S MANUAL IN DIGITAL FORMAT (BOOKMARKED PDF). THIS SHALL INCLUDE ALL NECESSARY INSTRUCTIONS FOR THE OPERATION AND MAINTENANCE OF CUSTOM-BUILT EQUIPMENT AS WELL AS PURCHASED ITEMS. THIS IS OVER AND ABOVE INSTRUCTIONS SUPPLIED TO OTHER CONTRACTORS FOR CONNECTION PURPOSES.

b. THE MANUAL SHALL INCLUDE A COPY OF THE FINAL FS EQUIPMENT PLAN AND BEAR ITEM NUMBERS TO AGREE WITH THE FOOD SERVICE PLAN. IT SHALL CONTAIN A COVERING PAGE INDICATING THE OWNER'S NAME, PROJECT NAME, COMPLETION DATE, AND FOOD EQUIPMENT CONTRACTORS CONTACT INFORMATION AS WELL AS THE FOLLOWING INFORMATION IN TABULAR FORMAT.

FS ITEM NUMBER, MANUFACTURER NAME AND CONTACT INFORMATION, EQUIPMENT DESCRIPTION, MODEL #, SERIAL NUMBER, WARRANTY SUMMARY INFORMATION (PARTS LABOUR AND COMPRESSOR IN YEARS) AND BOOKMARK LINKS TO EQUIPMENT CUT SHEET AND OPERATORS / OWNER'S MANUALS CONTAINED IN THE BODY OF THE MANUAL.

THIS MANUAL IS TO BE SENT ELECTRONICALLY TO SMARTDESIGN GROUP 1 WEEK (7 DAYS) PRIOR TO THE PUBLISHED TURN OVER DATE.

FOR REFERENCE, AN EXAMPLE OF ACCEPTABLE MANUAL FORMAT IS INCLUDED IN APPENDIX A WITH THE DETAILED FOOD SERVICE SPECIFICATION FOR THIS PROJECT.

34. WARRANTY / GUARANTY

i. WARRANTY ON EQUIPMENT SHALL COMMENCE ON THE DATE OF START-UP OF OPERA\-TIONS AND DEMONSTRATION OF THIS EQUIPMENT. (ANY SIGNIFICANT DELAYS IN CONSTRUCTION, ETC., THAT AFFECT THE DURATION OF THE WARRANTY FROM TIME OF INSTALLATION, SHOULD BE SPECIFICALLY COVERED BY COORDINATION BETWEEN DEALER, REPRESENTATIVE AND MANUFACTURER.) THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL CONFIRM IN WRITING TO THE OWNER THE DATE OF WARRANTY COMMENCEMENT.

j. ALL EQUIPMENT, FIXTURES AND REFRIGERATION WORK FURNISHED BY THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL BE GUARANTEED AGAINST DEFECTS IN WORKMANSHIP AND MATERIAL. ALL REPAIRS AND REPLACEMENTS WHICH MAY BECOME APPARENT AND NECESSARY BY REASON OF SUCH DEFECTS DURING THE FIRST YEAR AFTER FINAL ACCEPTANCE OF THE EQUIPMENT INSTALLATION SHALL BE MADE BY THE FOODSERVICE EQUIPMENT CONTRACTOR AT HIS OWN COST AND EXPENSE AND WITHOUT CHARGE. ALL SUCH REPAIRS AND REPLACEMENT SHALL BE MADE AT A TIME AND DURING HOURS SATIS\-FACTORY TO THE OWNER.

35. DEFICIENCIES _ WORK AND MATERIALS

a. ANY DEFICIENCY IN THE WORK PERFORMED OR MATERIALS SUPPLIED PURSUANT TO THE CONTRACT WHICH IS OBSERVED BY THE GENERAL CONTRACTOR, OWNER OR THE CONSULTANT FOLLOWING SUBSTANTIAL COMPLETION OF THE WORK, OR DURING THE GUARANTEE PERIOD OF SUCH WORK AND MATERIALS, INCLUDING WORK AND MATERIALS SUPPLIED TO MAKE GOOD ANY PREVIOUS DEFICIENCY, SHALL BE CORRECTED. THE CORRECTION OF SUCH DEFICIENCY SHALL BE COMMENCED BY THE FOODSERVICE EQUIP\-MENT CONTRACTOR WITHIN FOURTEEN (14) DAYS OF RECEIVING NOTICE OF SUCH DEFICIENCY FROM THE CONSULTANT OR THE OWNER.

b. WHERE REPLACEMENT MATERIALS ARE NOT IMMEDIATELY AVAILABLE FROM ANY SUPPLIER, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR, WHO MAY GRANT A REASONABLE EXTENSION OF TIME FOR OBTAINING OR DELIVERING SUCH MATERIALS.

c. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL, AT HIS OWN COST AND EXPENSE, AND AT THE WRITTEN REQUEST OF THE GENERAL CONTRACTOR SPECIFYING THE NATURE OF ANY DEFECT, DEFICIENCY OR DAMAGE AND DELIVERED ON OR BEFORE THE EXPIRATION OF THE PERIODS SPECIFIED, PROMPTLY CORRECT DEFECTS AND DEFICIENCIES IN THE WORK AND DAMAGE, IF ANY, TO OTHER PROPERTY RESULTING DIRECTLY OR INDIRECTLY THEREFROM ARISING FROM ANY BREACH OF THE WARRANTIES, BY REPAIR, REPLACEMENT OR OTHERWISE MAKING GOOD THE DEFECTS, DEFICIENCIES OR DAMAGE AS DIRECTED AND IN ACCORDANCE WITH ANY ADDITIONAL INSTRUCTIONS GIVEN BY THE OWNER. SUBJECT TO THE FOREGOING, THE TERMS AND CONDITIONS OF THE CONTRACT DOCUMENTS APPLICABLE TO THE WORK SHALL GOVERN THE PERFORMANCE OF CORRECTIONS BY THE FOODSERVICE EQUIPMENT CONTRACTOR.

d. IF THE FOODSERVICE EQUIPMENT CONTRACTOR REFUSES, FAILS OR NEGLECTS TO PROMPTLY COMMENCE, DILIGENTLY PERFORM AND COMPLETE CORRECTIONS, THE GENERAL CONTRACTOR MAY PERFORM OR ARRANGE FOR THE PERFORMANCE BY OTHERS OF THE CORREC\-TIONS. IN SUCH CASE THE AMOUNT, IF ANY, OTHERWISE PAYABLE OR BECOMING PAYABLE TO THE FOODSERVICE EQUIPMENT CONTRACTOR HEREUNDER, SHALL BE REDUCED BY AN AMOUNT EQUAL TO THE COSTS SUFFERED OR INCURRED BY THE OWNER AND RESULTING THEREFROM, INCLUSIVE OF A REASONABLE ALLOWANCE FOR THE OVERHEAD. IF THE COSTS EXCEED THE AMOUNT, IF ANY, OTHERWISE PAYABLE OR BECOMING PAYABLE TO THE FOODSERVICE EQUIPMENT CONTRACTOR, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL PAY TO THE OWNER THE AMOUNT OF THE COSTS OR THE EXCESS, WHICHEVER IS THE LESSER, ON DEMAND.

e. IF THE OWNER DETERMINES THAT A DEFECT OR DEFICIENCY IN THE WORK OR DAMAGE TO PROPERTY RESULTING THERE-FROM HAS ARISEN FROM A BREACH OF WARRANTY, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL HAVE THE BURDEN OF PROVING THAT THE DEFECT, DEFICIENCY OR DAMAGE HAS NOT ARISEN FROM A BREACH OF SAID WARRANTY.

36. ACCESS, AUTHORITY AND STOPPAGE

a. THE WORK SHALL BE AVAILABLE FOR INSPECTION AT ANY TIME BY REPRESENTATIVES OF THE OWNER / CONSULTANT, WHO WILL ALSO AT ALL TIMES HAVE ACCESS TO THE FOODSERVICE EQUIPMENT CONTRACTOR'S SHOPS OR PLANTS FOR THE PURPOSE OF INSPECTING CONSTRUCTION AND MATERIALS INVOLVED IN THE WORK. THE OWNER RESERVES THE RIGHT TO MAKE ANY INVESTIGATIONS DEEMED NECESSARY TO DETERMINE THE FOODSERVICE EQUIPMENT CONTRACTOR'S ABILITY TO PERFORM THE WORK, AND THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL FURNISH ALL INFORMATION REQUESTED.

b. ALL MATERIALS AND WORK NOT IN CONFORMITY WITH THE PLANS AND SPECIFICATIONS SHALL BE SUBJECT TO REJECTION.

c. ALL REJECTED WORK OR MATERIALS SHALL BE IMMEDIATELY REPLACED TO CONFORM WITH THE PLANS AND SPECIFICATIONS.

d. THE GENERAL CONTRACTOR SHALL HAVE THE RIGHT TO ORDER THE WORK OF THE FOODSERVICE EQUIPMENT CONTRACTOR OR ANY SUBCONTRACTOR WHOLLY OR PARTIALLY STOPPED IF, IN THEIR JUDGMENT, THE MATERIALS FURNISHED OR THE WORK BEING DONE IS NOT IN STRICT ACCORDANCE WITH THE PROVISIONS AND SPECIFICATIONS, OR UNTIL ANY OBJECTIONABLE MAN OR MATERIAL IS REMOVED FROM THE PREMISES. THE GENERAL CONTRACTOR AND CONSULTANT SHALL HAVE THE RIGHT TO DECLARE THE CONTRACT FORFEITED FOR NON-PERFORMANCE WHEN IT IS NOT BEING EXECUTED ACCORDING TO THE INTENT AND MEANING OF THE CONTRACT, PLANS AND SPECIFICATIONS.

e. SUCH STOPPAGE, SUSPENSION OR FORFEITURE SHALL NOT IN ANY WAY INVALIDATE ANY TERMS OF THE CONTRACT, AND NO EXTRA CHARGE WILL BE ALLOWED THE FOODSERVICE EQUIPMENT CONTRACTOR BY REASON OF SUCH STOPPAGE OR SUSPENSION.

37. LIABILITY

a. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL MAINTAIN SATISFACTORY PUBLIC LIABILITY AND CASUALTY INSURANCE TO ADEQUATELY PROTECT HIMSELF AND THE OWNER AGAINST DAMAGES FOR PERSONAL INJURY, INCLUDING DEATH, WHICH MAY ARISE FROM OPERATIONS UNDER THIS CONTRACT, WHETHER SUCH OPERATIONS ARE BY HIMSELF OR BY HIS SUBCONTRACTOR OR ANYONE DIRECTLY OR INDIRECTLY EMPLOYED.

b. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL MAINTAIN ADEQUATE WORKERS' COMPENSATION INSURANCE IN AN AMOUNT SATISFACTORY TO THE OWNER AND SUFFICIENT TO PROTECT HIM AND HIS SUBCONTRACTORS AND FROM ANY CLAIMS UNDER THE WORKERS' COMPENSATION LAW, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT ALL PERSONS EMPLOYED DIRECTLY OR INDIRECTLY IN CONNECTION WITH SAID WORK BY THE FOODSERVICE EQUIPMENT CONTRACTOR OR ANY OF HIS SUBCONTRACTORS WILL BE CONSIDERED TO BE THE EMPLOYEES OF SUCH CON\-TRACTOR OR HIS SUBCONTRACTOR AND NOT THE EMPLOYEES OF THE OWNER.

c. CERTIFICATES OF PUBLIC LIABILITY, PROPERTY DAMAGE, CASUALTY AND WORKERS' COMPENSATION INSURANCE SHALL BE FILED WITH THE OWNER, IF REQUIRED, AND WILL BE SUBJECT TO THEIR APPROVAL BOTH AS TO AMOUNT AND ADEQUACY OF THE PROTECTION.

d. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL MAKE ALL PAYMENTS IN ACCORDANCE WITH ALL THE REQUIRED PROVISIONS OF THE GOVERNING LEGISLATION AND ALL OTHER GOVERNING BODIES PURSUANT TO LAW FOR THAT PURPOSE MADE, WHETHER ENACTED AT THE TIME OR PRIOR TO THE EXECUTION OF THE CONTRACT OR DURING THE PROGRESS OF THE WORK HEREUNDER AND SHALL ASSUME ALL LIABILITY FOR THE COMPLIANCE WITH THE REQUIREMENTS THEREOF.

e. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL ASSUME ALL LIABILITY FOR INJURIES TO OR LOSS OF ANY OF THE OWNER'S PROPERTY, OR TO ANY ADJOIN\-ING PROPERTY OR THE PROPERTY OF ANY THIRD PERSON WHICH MAY BE CAUSED, DIRECT\-LY OR INDIRECTLY, BY THE FOODSERVICE EQUIPMENT CONTRACTOR, HIS SUBCONTRACTORS AND BY THE EMPLOYEES OF EACH OF THEM, AND SHALL, AT HIS OWN COST AND EXPENSE, MAKE GOOD ANY SUCH DAMAGE, LOSS OR THEFT. THE LIABILITY OF THE FOODSERVICE EQUIPMENT CONTRACTOR UNDER THIS COVENANT IS ABSOLUTE AND IS NOT DEPENDENT UPON ANY QUESTION OF HIS NEGLIGENCE OR THE NEGLIGENCE OF HIS SUBCONTRACTORS AND THEIR EMPLOYEES. FAILURE OF THE OWNER OR THE CONSULTANT TO DIRECT THE CONTRACTOR TO TAKE ANY PARTICULAR PRECAUTION OR REFRAIN FROM DOING ANY PARTICULAR ACT, WILL NOT EXCUSE THE FOODSERVICE EQUIPMENT CONTRACTOR IN CASE OF ANY SUCH DAMAGE.

f. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL HOLD HARMLESS AND INDEMNIFY THE OWNER / CONSULTANT AGAINST ALL CLAIMS OR LIABILITY ON ACCOUNT OF INFRINGEMENT OF ANY PROTECTED OR RESERVED RIGHTS WITH RESPECT TO ANY PROCESS OR ARTICLE INVOLVED IN THE PERFORMANCE OF THE CONTRACT. THE CONTRACT PRICE SHALL INCLUDE ALL ROYALTIES OR COSTS ARISING FROM THE USE OF THE ABOVE WHICH IS INVOLVED IN THE CONTRACT.

NOT FOR CONSTRUCTION

DRAWING DISCLAIMER: THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, INTERIOR DESIGN, FOOD SERVICE, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL DRAWINGS AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

THIS DRAWING SHOULD ALSO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL MASTER SPECIFICATION, FOOD SERVICE SPECIFICATION AND ENVIRONMENTAL GRAPHICS SPECIFICATION AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

FOODSERVICE CONSULTANTS SOCIETY INTERNATIONAL — FCSI — PAR BAIN — 9506768 — PROFESSIONAL MEMBER

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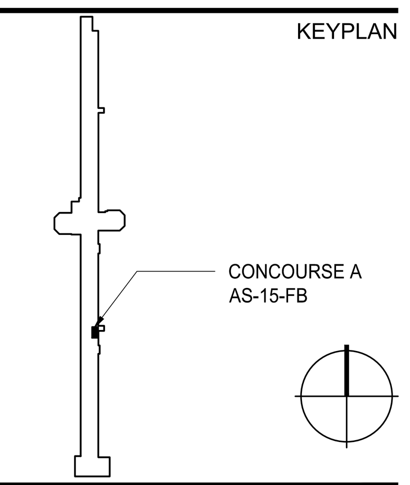

DATE	ISSUE	REVISION
2025.07.10	30% CLIENT REVIEW	
2025.08.15	30% AIRPORT REVIEW	
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.02.24	90% COORDINATION REVIEW	
2026.03.24	100% AIRPORT REVIEW	

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AS-15-FB
CORNER CAFE
FS GENERAL SPEC 2

SHEET NUMBER

FS 1.1

PROJECT NUMBER	1808

GENERAL FOOD SERVICE FABRICATION REQUIREMENTS

1) STANDARDS

ALL WORK SHALL CONFORM TO THE CURRENT CODES AND REQUIREMENTS OF THE APPROVING AGENCY HAVING JURISDICTION OVER THE WORK. WHERE APPLICABLE, AN INSPECTION CERTIFICATE OR LABEL SHALL BE PROVIDED.

a) 2018 INTERNATIONAL BUILDING CODE (GEORGIA AMENDMENTS)
b) 2015 INTERNATIONAL ENERGY CONSERVATION CODE (GEORGIA AMENDMENTS)
c) 2018 INTERNATIONAL PLUMBING CODE (GEORGIA AMENDMENTS)2018 INTERNATIONAL FIRE CODE (2024 AMENDMENTS)
d) 2018 INTERNATIONAL MECHANICAL CODE (GEORGIA AMENDMENTS)
e) 2020 NATIONAL ELECTRICAL CODE
f) NFPA 101 - LIFE SAFETY CODE, 2024 EDITION
g) NFPA 96 - STANDARD FOR VENTILATION CONTROL AND FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS
h) UNDERWRITER LABORATORIES - US
i) REGULATIONS GOVERNING MECHANICAL REFRIGERATION PLANTS
j) LOCAL BUILDING BYLAWS
k) NATIONAL SANITATION FOUNDATION STANDARDS
l) SMACNA GUIDELINES FOR SEISMIC RESTRAINTS OF KITCHEN EQUIPMENT IN APPLICABLE JURISDICTION
m) AMERICAN GAS ASSOCIATION
n) ANSI STANDARDS
o) ASME CODE
p) STATE REGULATIONS GOVERNING MECHANICAL REFRIGERATION PLANTS AND MECHANICAL REFRIGERATION CODES
q) LOCAL CODES AND BYLAWS
r) LOCAL, CITY, COUNTY, STATE AND FEDERAL LAWS GOVERNING HEALTH, SAFETY AND ACCIDENT PREVENTION
s) GOVERNING WORKERS COMPENSATION REGULATIONS
t) AMERICAN DISABILITY ASSOCIATION "ADA" GUIDELINES

2) MATERIALS

a) STAINLESS STEEL SHALL BE TYPE 302, 304 OR 316 FOR ADDITIONAL CORROSION RESISTANCE, AS REQUIRED. ANALYSIS 18_8, NO. 4 FINISH 180 GRIT OR NO. 2 BRIGHT FINISH AS SPECIFIED HEREUNDER, FREE FROM PITS AND IMPERFECTIONS.
b) GALVANIZED STEEL - COMPOSITION - COPPER BEARING SHEET TYPE WITH HOT-DIP GALVANIZED FINISH. ASTM D6386 (METHODS OF PREPARING SURFACES OF NEW AND WEATHERED HOT-DIP GALVANIZED STEEL FOR PAINTING) STANDARD TO BE ADHERED TO FOR PROPER FINISH RESULTS. 1 COAT OF CORROSION-RESISTANT ACRYLIC LATEX PRIMER AND 1 COAT OF GRAY ACRYLIC LATEX SHALL BE USED ONLY ON EQUIPMENT IN THE UNEXPOSED LOCATIONS AND WHERE THERE IS NO EXCESS WATER CONDITION.
c) STAINLESS STEEL AND ALL TUBING SHALL BE U.S. STANDARD GAUGE; TUBING SHALL BE 16 GAUGE WALL UNLESS OTHERWISE SPECIFIED.
d) ALL OTHER MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE SPECIFICATIONS AND BE SUPPLIED FREE FROM PITS AND IMPERFECTIONS.

3) GAUGES

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING GAUGES SHALL BE ADHERED TO THROUGHOUT:

a) 16 GAUGE (1.984MM) - FOR ALL FREE_STANDING SINKS, DISHTABLES AND COUNTERTOPS. FOR ALL OVERSHELVES, SINGLE PAN DOORS, STAINLESS STEEL SLIDES, STAINLESS STEEL GRIDS AND UNDERSHELVES OVER 4'_0" (1220 MM) LONG.
b) 18 GAUGE (1.587 MM) - FOR ALL UNDERSHELVES LESS THAN 4'_0" (1220 MM) LONG, STAINLESS STEEL BINS (FIXED OR MOBILE), COUNTERTOP SINKS, STAINLESS STEEL GRIDS, CHASSIS OF FIXTURES, BINS, VENTILATORS, PARTITION WALLS AND VERTICAL SURFACES.
c) 20 GAUGE (1.270 MM) - FOR THE CHASSIS OF ALL FIXTURES, DOUBLE PAN DOORS AND DRAWER FRONTS.
d) 22 GAUGE (0.965 MM) - FOR ALL DRAWER BODIES, WALL CLADDING AND DOOR LININGS. FOR ALL REFRIGERATOR LININGS, OR AS SPECIFIED.

4) WORKMANSHIP

a) ALL WORK SHALL BE PRE FIT AND ASSEMBLED IN SHOP, EXECUTE ACCORDING TO DETAILS AND APPROVED SHOP DRAWINGS.
b) WORKMANSHIP SHALL BE THE BEST GRADE OF MODERN SHOP AND FIELD PRACTICE KNOWN TO RECOGNISED MANUFACTURERS SPECIALISING IN THIS WORK. JOINTS AND INTERSECTION MEMBERS SHALL BE ACCURATELY FITTED, MADE IN TRUE PLANES WITH ADEQUATE CONCEALED FASTENING.
c) INSULATION SHALL BE FURNISHED WHERE NECESSARY TO PREVENT ELECTROLYSIS FROM METALS CONTACTING OTHER METALS, MASONRY OR CONCRETE.
d) ALL WORK SHALL BE FABRICATED AND ERECTED SQUARE, PLUMB, STRAIGHT, TRUE AND ACCURATELY FITTED, ADEQUATE REINFORCING AND ANCHORAGE SHALL BE PROVIDED, WHERE REQUIRED BY CODE, ALL SMACNA EARTHQUAKE GUIDELINES AND CODES SHALL BE ADHERED TO.
e) ALL DRILLINGS SHALL BE REAMED AND ALL EXPOSED EDGES SHALL BE LEFT CLEAN AND SMOOTH.
f) MEANS SHALL BE PROVIDED TO ENSURE ADEQUATE LUBRICATION FOR ALL MOVING PARTS. ALL OIL HOLES, GREASE FITTINGS, AND FILLER CAPS SHALL BE ACCESSIBLE WITHOUT THE USE OF TOOLS.
g) QUIETNESS OF OPERATION OF ALL FOODSERVICE EQUIPMENT IS A REQUIREMENT. THE FOODSERVICE EQUIPMENT CONTRACTOR WILL BE REQUIRED TO REMOVE OR REPAIR ANY EQUIPMENT PRODUCING OBJECTIONABLE NOISE.
h) EQUIPMENT DESIGN SHALL BE SUCH AS TO ALLOW SAFE AND CONVENIENT OPERATION. COVERS, GUARDS, OR OTHER SAFETY DEVICES SHALL BE PROVIDED FOR ALL EQUIPMENT PRESENTING SAFETY HAZARDS. SUCH SAFETY DEVICES SHALL NOT PRESENT SUBSTANTIAL INTERFERENCE TO THE OPERATION OF THE EQUIPMENT. ALL GUARDS SHALL ALLOW EASY ACCESS TO GUARDED PARTS.
i) TRADEMARKS AND NAMES OF FABRICATORS SHALL NOT BE FASTENED TO OR MARKED ON ANY ITEMS WITHOUT WRITTEN APPROVAL OF THE OWNER / CONSULTANT.

5) GENERAL CONSTRUCTION

a) THE METHODS OF CONSTRUCTION, REINFORCEMENT, ANCHORAGE, DETAILS OF FINISH, JOINTING, ETC., SHOWN ON REVIEWED SHOP DRAWINGS, SHALL BE ACCURATELY FOLLOWED.
b) SEISMIC RESTRAINTS - ITEMS TO BE INSTALLED ACCORDING TO THE "SMACNA - GUIDELINES FOR SEISMIC RESTRAINT OF KITCHEN EQUIPMENT", THE FOODSERVICE EQUIPMENT CONTRACTOR WILL BE REQUIRED TO IDENTIFY THESE ITEMS ON HIS SHOP DRAWINGS. THE REQUIRED SMACNA METHODS OF RESTRAINT WILL BE SHOWN ON REVIEWED SHOP DRAWINGS, REFERENCED TO THE APPROPRIATE DETAIL (S). IT IS THE RESPONSIBILITY OF THE FOODSERVICE EQUIPMENT CONTRACTOR TO ENSURE THAT THE RESTRAINT DESIGN IS APPROPRIATE TO THE BUILDING'S STRUCTURAL CONDITIONS AND THE SURFACES TO WHICH THE EQUIPMENT WILL BE SECURED.
c) GAUGES OF METAL AND METHODS OF CONSTRUCTION SHALL BE ADEQUATE FOR THE VARIOUS CONDITIONS. REQUIREMENT OF THE DETAILS AND SPECIFICATIONS IS MINIMUM. FINISHED EQUIPMENT SHALL BE RIGID.

6) FASTENINGS AND FITTINGS

a) ALL FASTENINGS AND FITTINGS SHALL BE STAINLESS STEEL AND CONCEALED UNLESS OTHERWISE SPECIFIED. IF SPECIFIED, ALL EXPOSED FASTENERS SHALL BE STAINLESS STEEL, SUPPLIED WITH TRUSS HEADS OR COUNTERSUNK FLAT HEADS AT ACCESSIBLE SURFACES.
b) EXPOSED FASTENERS SHALL BE DEFINED TO INCLUDE ALL VISIBLE FASTENERS WHEN THE LINE OF SIGHT IS LOWERED FROM A HEIGHT OF 6'-6" (1980MM) TO THE FLOOR, WHEN ALL CABINET DOORS ARE BOTH OPEN AND CLOSED.
c) ALL LOCK WASHERS, NUTS AND COTTER PINS SHALL BE STAINLESS STEEL. ALL FASTENINGS SHALL HAVE POLISHED HEADS. NO EXPOSED SCREW OR BOLT HEADS WILL BE PERMITTED ON FIXTURES OR INSTALLATION MATERIALS.
d) RIVETS SHALL NOT BE PERMITTED IN ANY LOCATION.
e) WELDING SHALL CONFORM TO THE REQUIREMENTS OF CSA, AND ULC AND SHALL BE PERFORMED BY FULLY QUALIFIED FABRICATORS UTILIZING THE SKILLS OF JOURNEYMEN SHEET METAL MECHANICS OR FABRICATORS WITH EQUIVALENT EXPERIENCE. FILE OR GRIND EXPOSED WELDS SMOOTH AND FLUSH AND POLISH TO MATCH ADJACENT SURFACES. ALL EXPOSED WELDS SHALL BE CONTINUOUS, HELIARC, SEAMLESS. USE LOW CARBON FILLER ROD COATED WITH NON_CARBONACEOUS FLUX WITH SUFFICIENT CHROMIUM AND NICKEL CONTENT SO THAT DEPOSITED METAL AND ORIGINAL METAL HAVE THE SAME COMPOSITION. JOINTS SHALL BE INVISIBLE, BUTT WELDED, PROPERLY JIGGED, AND GROUND SMOOTH. BUTT JOINTS MADE BY SPOT WELDING OR RIVETING STRAPS UNDER SEAMS AND FILLING WITH SOLDER ARE UNACCEPTABLE. PUDDLED WELDS ARE UNACCEPTABLE.
f) SHEET SIZES - ALL STRAIGHT LENGTHS (SERVING COUNTER TOPS, SHELVES, DRAINBOARDS, ETC.) ARE TO BE ONE CONTINUOUS SHEET IF NOT OVER 10'_0" (3000MM). ONE PIECE CONSTRUCTION - ALL SEAMS WELDED UNLESS OTHERWISE SPECIFIED INCLUDI-ING FIELD JOINTS. GRAIN SHALL RUN LONGITUDINALLY WITH THE CALLED OUT LENGTH OF THE UNIT.
g) CORNERS AND BENDS - ROUNDED AND COVED CORNERS OR RADIUS BENDS SHALL BE ¾" (19MM) RADIUS OR LARGER.
h) LEGS AND FEET WHERE SPECIFIED FOR SINKS, DISHTABLES AND WORKTABLES SHALL BE 1_5/8" (41MM) O.D. STAINLESS STEEL TUBE FINISHED AT THE FLOOR WITH STAINLESS STEEL ADJUSTABLE ROUND TOE FEET UNLESS SPECIFIED OTHERWISE. STANDARD COMPONENT HARDWARE GROUP MODEL A46 SERIES OR EQUIVALENT, LEGS ARE TO BE BRACED HORIZONTALLY WITH BE 1_5/8" (41MM) O.D. STAINLESS STEEL TUBE WELDED TO LEGS AND FINISHED CLEAN, UNDERSIDE OF BRACE TO BE 8" (200 MM) CLEAR FROM FINISHED FLOOR OR AS SPECIFIED. FIXTURES WITH LEGS NOT CROSS_BRACED ADEQUATELY, OR WHERE THERE ARE ELECTRICAL OR PLUMBING CONNECTIONS, SHALL HAVE ADJUSTABLE BULLET FEET ANCHORED TO THE FLOOR WITH STAINLESS STEEL PINS.
i) COUNTER LEGS - STANDARD COMPONENT HARDWARE GROUP MODEL AB48 SERIES WITH 3_1/2" (89 MM) SQUARE STAINLESS MOUNTING STEEL PLATE OR EQUAL, STAINLESS STEEL COUNTER LEG, HEIGHT SHALL BE 6" (150 MM) MINIMUM AND 7 1/2" (190 MM) MAXIMUM.
j) LEG SOCKETS - STAINLESS STEEL - COMPONENT HARDWARE GROUP A18 SERIES OR EQUAL FIT TO 1_5/8" (41MM) TUBING AS SPECIFIED WITH ALLEN SCREW FASTENING. LEG SOCKETS SHALL BE WELDED TO HAT CHANNELS AT UNDERSIDE OF TOP, FURNISH 3_1/2" (89 MM) SQUARE STAINLESS STEEL PLATE WELDED TO TOP WHEN APPLICABLE.
k) CASTERS ON ALL CUSTOM FABRICATED EQUIPMENT SUPPLIED UNDER THIS SECTION SHALL BE HEAVY DUTY BALL OR ROLLER BEARING WHEELS WITH NON_MARKING URETHANE TIRES. PLATE TYPE SHALL BE SECURELY BOLTED TO FRAME AND SECURED WITH LOCKTITE CEMENT, SHANK SHALL BE PLUG AND STEM TYPE, WITH BUSHING FRICTION FIT INTO UPRIGHTS. CASTERS TO BE COMPONENT HARDWARE GROUP OR EQUIVALENT, AS SPECIFIED.
l) FRAMING WHERE SPECIFIED SHALL BE 1_1/2" (38MM) X 1/8" (3MM) GALVANIZED ANGLE OF WELDED CONSTRUCTION, OR 12-GAUGE GALVANIZED CHANNELS.
m) TABLES TO PROVIDE A 36" (915MM) HIGH WORKING SURFACE FROM FLOOR UNLESS SPECIFIED OTHERWISE. UNITS OR COUNTERS TO BUTT NEATLY AGAINST WALLS, AND ALL JOINTS TO BE SEALED WITH CLEAR SILICONE CAULKING. STAINLESS STEEL TABLES SHALL BE OF STAINLESS STEEL FABRICATION AS SPECIFIED, ALL WELDED WITH 12 GAUGE STAINLESS STEEL CONCEALED REINFORCING CHANNELS. TABLES SHALL BE SECURED TO THE WALL AS REQUIRED WITH Z-CLIPS.

7) SHELVING

a) ALL SHELVING OVER SINKS AND DISHTABLES SHALL BE SET AT A HEIGHT WHICH WILL NOT INTERFERE WITH THE OPERATION OF SWING FAUCETS AND LEVER CONTROLS. DISHRACK MOVEMENT NOT TO BE IMPEDED.
b) SHELVES IN FIXTURES WITH ENCLOSED BASES SHALL HAVE LOWER SHELF TURNED UP ON BACK AND SIDES, AND FEATHERED SLIGHTLY, TO ENSURE A TIGHT FIT TO ENCLOSURE PANELS. INTERMEDIATE SHELVES TO BE ADJUSTABLE UNLESS OTHERWISE SPECIFIED.
c) FIXED SHELVES IN FIXTURES WITH LEGS SHALL BE MITRED AND WELDED TO LEGS.
d) REMOVABLE UNDERSHELVES SHALL HAVE FOUR (4) SIDES SUPPORTED ON BRACES. FRONT SHALL HAVE BOXED EDGE, LEFT AND RIGHT SIDE ROLLED TO FIT OVER SUPPORTING BRACE AND REAR SIDE SHALL BE TURNED UP AND HEMMED.
e) OVERSHELF MOUNTED HEAT LAMPS SHALL HAVE CONCEALED WIRING CHASE WITH REMOTE CONTROL ENCLOSURE WITH INDICATOR LIGHT MOUNTED ON SHELF EDGE ON KITCHEN / CHEF'S SIDE UNLESS OTHERWISE SPECIFIED.
f) WALL MOUNTED SHELVES TO BE FULLY SEALED TO WALL WITH FOODSAFE CLEAR SILICONE APPLIED TO REAR AND SIDES OF SHELF THAT ARE TO COME IN CONTACT WITH WALL, PRESSED INTO PLACE, WITH EXCESS SILICONE CLEANED OFF.

8) DOORS

a) ALL DOORS SHALL BE DOUBLE PAN STAINLESS STEEL UNLESS OTHERWISE NOTED. OUTER PAN SHALL BE 20 GAUGE STAINLESS STEEL NUMBER 4 FINISH WITH CORNERS WELDED, GROUND SMOOTH AND POLISHED. INNER PANS SHALL BE 22 GAUGE STAINLESS STEEL WITH 2B FINISH, FITTED TIGHTLY INTO OUTER PAN WITH 3/4" (19MM) SOUND DEADENING MATERIAL CORE. GRAIN OF STAINLESS TO BE VERTICAL ON ALL DOORS UNLESS OTHERWISE SPECIFIED.
b) DOORS TO BE FIT WITH HEAVY DUTY MAGNETIC CATCHES AND RUBBER STOPS
c) DOORS SHALL BE APPROXIMATELY 3/4" (19 MM) THICK AND SHALL BE FITTED WITH INTEGRAL DOOR PULL RUNNING FULL HEIGHT OF DOOR FLUSH RECESSED TYPE STAINLESS STEEL DOOR PULLS COMPONENT HARDWARE P62-1010
d) DOORS TO SWING WITHIN CABINET CHASSIS FRAME AND TO UTILIZE HEAVY DUTY LIFT OFF HINGES
e) SLIDING DOORS SHALL BE HUNG ON BALL BEARING ROLLERS AND SHALL BE REMOVABLE WITHOUT THE USE OF TOOLS.
f) SLIDING DOORS, BOTH METAL AND GLASS, SHALL BE INSTALLED SO AS TO BE SELF-CLOSING, ON REFRIGERATED AND HEATED FIXTURES.
g) UNLESS OTHERWISE SPECIFIED, CYLINDER DOOR LOCKS ON ALL DOORS AND DRAWERS SHOULD BE KEYED ALIKE PROJECT WIDE.

9) DISH TABLE TOPS

a) ALL DISH TABLE TOPS SHALL BE 16 GAUGE AND COMPLETELY WELDED, INCLUDING, IF SPECIFIED, GARBAGE DISPOSAL BOWL WHERE SHOWN. NO SOLDERING OR RIVETING WILL BE ACCEPTED. SOILED DISH TABLE TO HAVE FULL CHANNEL SUPPORT BRACING ACROSS THE SHORT WIDTH AT MAXIMUM 36" (915MM) INTERVALS.
b) 1/8" (3MM) NEOPRENE ADHESIVE STRIPS SHALL BE INSTALLED BETWEEN ALL CHANNEL SUPPORTS AND THE TABLE TOP FOR SOUND DEADENING.

10) DRAWERS

a) ALL DRAWERS SHALL HAVE SIDES RADIUSED AT BOTTOM AND CORNERS WELDED. JOINTS SHALL BE FILLED AND SMOOTHED. RUBBER BUMPERS OR GASKETS SHALL BE SECURED TO PREVENT DRAWERS FROM BANGING SHUT. ALL DRAWERS SHALL BE REMOVABLE WITHOUT THE USE OF TOOLS.
b) DRAWER ASSEMBLIES SHALL CONSIST OF A REMOVABLE DRAWER LINER MOUNTED IN A BALL BEARING ASSEMBLY,
c) DRAWER LINERS SHALL BE HEAVY DUTY THERMOPLASTIC - COMPONENT HARDWARE GROUP S80 SERIES OR STAINLESS STEEL OR EQUAL, COMPONENT HARDWARE GROUP S81 SERIES AS SPECIFIED
d) HEAVY DUTY SLIDES SHALL HAVE 200 LBS. (113 KG.) CAPACITY, SLIDES TO BE COMPONENT HARDWARE GROUP S52 SERIES OR EQUAL.
e) ROLLER BEARING EXTENSION SLIDES SHALL BE ASSEMBLED WITH SIDE AND BACK ENCLOSURE PANELS, FRONT SPACER ANGLE AND TWO DRAWER CARRIER ANGLES, SECURED TO SLIDES AND STAINLESS STEEL FRONT.
f) ALL DRAWER FRONTS SHALL BE DOUBLE PAN STAINLESS STEEL CONSTRUCTION. OUTER PAN SHALL BE 20 GAUGE STAINLESS STEEL NUMBER 4 FINISH WITH CORNERS WELDED, GROUND SMOOTH AND POLISHED. INNER PANS SHALL BE 20 GAUGE FITTED TIGHTLY INTO OUTER PAN WITH ¾" (19MM) SOUND RIGID DEADENING MATERIAL CORE. GRAIN OF STAINLESS TO BE VERTICAL ON ALL DOORS UNLESS OTHERWISE SPECIFIED.
g) REFRIGERATED DRAWERS, UNLESS SPECIFIED OTHERWISE, SHALL BE REMOVABLE TYPE WITH 12" X 20" X 6" (305 MM X 508 MM X 152 MM) DEEP STAINLESS STEEL FOOD PANS IN A STAINLESS STEEL ASSEMBLY AS PER DETAIL DRAWINGS.
h) DRAWERS SHALL BE PROVIDED WITH REPLACEABLE SOFT NEOPRENE BUMPERS AND, FOR REFRIGERATED DRAWERS, A FULL PERIMETER SOFT GASKET, KEIL OR EQUAL.

11) SINKS

a) SINK BOWLS SHALL BE ALL WELDED 16 GAUGE STAINLESS STEEL POLISHED INSIDE AND OUTSIDE WITH BOTTOM SLOPING TOWARDS DRAIN. ALL CORNERS SHALL BE COVED UNLESS OTHERWISE SPECIFIED. EACH SINK SHALL BE EQUIPPED WITH A 1_1/2" (38MM) CENTRE TYPE DRAIN OR CORNER DRAIN AS SPECIFIED.
b) CENTRE DRAINS SHALL CONSIST OF A SS BASKET DRAIN KASON MODEL NO. 463-2008 OR EQUAL, COMPLETE WITH STAINLESS STEEL TAIL PIECE AND STAINLESS-STEEL PERFORATED STRAINER UNLESS SPECIFIED OTHERWISE. LEVER HANDLE WASTE OUTLETS SHALL BE KASON MODEL 458 SERIES OR EQUAL WITH EXTENDED HANDLE, AS SPECIFIED FOR INDIVIDUAL ITEMS.
c) CORNER DRAINS SHALL CONSIST OF A MINI BASKET DRAIN KASON MINI BASKER DRAIN MODEL # 0463C-2004 OR EQUAL (NO CRUMB CUP REQUIRED), COMPLETE WITH STAINLESS STEEL TAIL PIECE, CUSTOM SS SWILL GUARD AS DETAILED AND 12" OVERFLOW TUBE WITH NEOPRENE SEAT - KASON MODEL # 6046002312
d) COUNTER SINKS SHALL BE FITTED WITH KASON DUO BASKET 0463-2008 COMPLETE WITH CRUMB CATCH AND STAINLESS STEEL TAIL PIECE
e) BAIN MARIES / STEAM TABLES SHALL HAVE A 1" WASTE WITH FLAT STRAINER KASON 459 SERIES (NICKEL PLATED BRASS) OR EQUAL. WASTE LINE REQUIRES A NSF BALL VALVE ASSEMBLY TO DRAIN WELLS. IF MULTIPLE WELLS ARE SPECIFIED, UNITS ARE TO HAVE WASTE LINES MANIFOLDED. IF WELLS ARE SPECIFIED AS "AUTO FILL", A VOLLRATH 26806 AUTO-FILL ACCESSORY IS TO BE PROVIDED.
f) FAUCETS - WALL OR DECK MOUNTED SWING SPOUT CHROME PLATED FAUCETS FOR SINKS SHALL BE SUPPLIED AND MOUNTED BY FOODSERVICE EQUIPMENT CONTRACTOR AND SHALL BE SPECIFIED WITH THE FIXTURE. STANDARD DECK MOUNT SINK FAUCETS ARE FISHER MANUFACTURING NO. 3112; GOOSENECK ARE FISHER MANUFACTURING NO. 3115, OR T&S EQUIVALENT; OR AS INDIVIDUALLY SPECIFIED.
g) VACUUM BREAKERS _ REQUIRED FOR ITEMS DETAILED OR SPECIFIED SHALL BE INCLUDED. CONTROL OR SOLENOID VALVES ON INLET SIDE OF SPOUT OR HOSE SHALL BE FITTED WITH ATMOSPHERIC_TYPE VACUUM BREAKER. CONTROL OR SOLENOID VALVES ON OUTLET SIDE OF SPOUT OR HOSE (CONSTANT WITHIN HOSE OR SPOUT) SHALL BE FITTED WITH PRESSURE TYPE VACUUM BREAKER. SHUT_OFF VALVES AT STUBOUTS ARE NOT CONSIDERED CONTROL VALVES. INSTALLATION SHALL BE IN COMPLIANCE WITH CODE REQUIREMENTS / ASSE STANDARDS.

12) CABINET SECTIONS

a) CABINET SECTIONS SHALL BE SUPPORTED ON CUSTOM CHANNEL BASE OR BY AT LEAST FOUR LEGS WITH ROUND TOE FEET NOT OVER 6'_0" (1830MM) APART AND SPACED MORE CLOSELY IF WARRANTED BY ADDITION-AL WEIGHT.
b) TOP AND SPLASHBACK SHALL BE STAINLESS STEEL AS SPECIFIED.
c) STAINLESS STEEL SLIDING DOORS SHALL BE SUPPORTED ON OVERHEAD TRACK, WITH BALL BEARING ROLLERS, AND LOWER GUIDES.
d) ALL EXPOSED HARDWARE SHALL HAVE THE SAME FINISH AND SHALL BE INSTALLED WITH A MINIMUM OF EXPOSED FASTENERS TO PRECLUDE TAMPERING.
e) ADJUSTABLE SHELVES SHALL HAVE HEAVY DUTY KASON 0065 SERIES STAINLESS STEEL ADJUSTABLE SHELF STANDARDS (PILASTERS) WITH KASON 0065MS MOUNTING STUDS AND KASON 0066 OR 0067 SERIES STAINLESS STEEL SHELF SUPPORTS. CABINET FRAMES ARE TO TURN IN ON EITHER SIDE OF ADJUSTABLE SHELVES AS TO PREVENT SHELVES FROM BEING PULLED OUT OF CABINET.

13) HEATED CABINETS

CONSTRUCTION SHALL BE AS FOR UNHEATED CABINETS, EXCEPT SHELVES SHALL BE PERFORATED, WITH HEATING UNITS PLACED UNDER BOTTOM PERFORATED SHELF. HEATING SYSTEM TO CONSIST OF COILED INCOLOY-SHEATHED HEATING ELEMENT, BLOWER FAN, FULL RANGE THERMOSTAT, ON/OFF SWITCH WITH INDICATOR LIGHT, DIAL CONTROL FOR HEAT SETTINGS AND DIGITAL THERMOMETER. INSULATION SHALL BE 1" (25MM) FIBERGLASS OR AS OTHERWISE SPECIFIED. INTERIOR SHALL BE 20 GAUGE STAINLESS STEEL 2B FINISH. SLIDING DOORS FOR HEATED CABINET BASES SHALL BE SELF_CLOSING. HEATED CABINETS TO OPERATE AT FOODSAFE TEMPERATURES WITH A MAXIMUM TEMPERATURE OF 190°F (88°C)

14) REFRIGERATED CABINETS

a) REFRIGERATED CABINETS SHALL BE CONSTRUCTED TO MINIMUM GAUGE STANDARDS, AS PER PARAGRAPH 2.6 ABOVE, OR AS OTHERWISE SPECIFIED FOR INDIVIDUAL ITEMS.
b) CABINET INTERIORS SHALL BE STAINLESS STEEL ALL WELDED ONE PIECE CONSTRUCTION. ALL CORNERS SHALL BE RADIUSED.
c) CABINET FRONTS SHALL BE STAINLESS STEEL, ALL JOINTS WELDED.
d) TOPS SHALL BE STAINLESS STEEL, OR AS SPECIFIED.
e) EXTERIOR SHALL BE STAINLESS STEEL ON EXPOSED SURFACES, WITH EXTERIOR BOTTOM AND UNEXPOSED SURFACES GALVANIZED, SATIN COAT.
f) DOORS AND DRAWER FRONTS SHALL BE INSULATED IN_FITTING BEVELLED TYPE, SQUARE CORNER, ALL WELDED CONSTRUCTION.
g) DOOR OPENINGS SHALL BE A MINIMUM OF 18" (450MM) CLEAR IN WIDTH TO FIT TRAYS, PANS, ETC., OR AS SPECIFIED. DOOR OPENING SILL, JAMBS AND HEAD SHALL BE BEVELLED TO SUIT DOOR FOR SNUG AND POSITIVE SEAL.
h) DOOR FRAME SHALL BE 1-1/2" (38MM) X 1-1/2" (38MM) X 12 GAUGE STAINLESS STEEL ANGLE ON THE INSIDE OF OUTER DOOR SHELL.
i) DOOR EXTERIOR SHALL BE STAINLESS STEEL #4 FINISH.
j) DOOR INTERIOR SHALL BE STAINLESS STEEL #2B FINISH.
k) INSULATION SHALL BE 2" (50MM) POLYURETHANE FOAM BOARD,
l) REFRIGERATED CABINET HARDWARE SHALL BE AS FOLLOWS:
m) HINGES - 2 PER DOOR - REMOVABLE, EDGE MOUNT, SELF-CLOSING STANDARD-KEIL R50 SERIES OR EQUAL.
n) LATCH - 1 PER DOOR, EDGE MOUNTED, CHROME PLATED STANDARD-KEIL R25 SERIES OR EQUAL. REFER TO SECTION 11403 FOR LOCKING REQUIREMENTS.
o) GASKET - STANDARD-KEIL VINYL LATEX WITH WELDED CORNERS.
p) REFRIGERATED COMPARTMENT DOORS WITH LOCKING LATCHES FITTED WITH A FULL PERIMETER NON_MAGNETIC GASKET, GREY IN COLOR.
q) REFRIGERATED COMPARTMENT DOORS WITH NON_LOCKING HARDWARE FITTED WITH A FULL PERIMETER MAGNETIC GASKET, GREY IN COLOR.
r) BREAKER STRIPS - STANDARD-KEIL T54 SERIES, MATTE GRAY.
s) LIGHT WHERE SPECIFIED - 1 PER 2 DOORS - WITH DOOR ACTIVATED SWITCHES - LIGHTS MOUNTED ON DOOR MULLIONS.
t) ANGLE SLIDES - WHERE SPECIFIED, SHALL BE 2" (50MM) X 2" (50MM) X 16 GAUGE STAINLESS STEEL, REMOVABLE IN SETS FOR CLEANING, THROUGH ONE REFRIGERATOR DOOR OPENING.
u) EXPANSION VALVE - FULLY ENCLOSED AND INSULATED COMPLETE WITH REMOVABLE STAINLESS STEEL ACCESS PANEL. EXPANSION VALVE TO SUIT REFRIGERANT TYPE SPECIFIED.
v) RECESSED PANS, WHERE SPECIFIED, SHALL BE 16 GAUGE STAINLESS STEEL, INTEGRALLY WELDED, ALL COVED. REFRIGERATED BY ONE_PIECE 1/2" (13 MM) COPPER TUBE PIPE COIL COLD WALL CONSTRUCTION FASTENED TO BOTTOM AND SIDES OF PAN, SEALED WITH THERMAL MASTIC AND INSULATED FROM CABINET BASE WITH 2" (51 MM) RIGID POLYURETHANE BOARD. PAN TO HAVE INTEGRAL WELDED 1" (25 MM) DRAIN INTERCONNECTED TO BASE DRAIN.
w) BASE SECTIONS SHALL BE REFRIGERATED BY MEANS OF BLOWER COIL, FIN COIL, OR COLD WALL CONSTRUCTION SUFFICIENT TO MAINTAIN 36°F (+1.7°C) TEMPERATURE, UNLESS SPECIFIED OTHERWISE. COILS SHALL HAVE VINYL PLASTIC COATINGS, ALUMINUM HOUSINGS AND CONDENSATE EVAPORATORS INSTALLED IN SUCH A MANNER AS TO BE REPLACEABLE. SALAD REFRIGERATORS SHALL HAVE STAINLESS STEEL HOUSING AND DRIP PANS WHEN DETAILED. CONDENSATE EVAPORATORS STANDARD-KEIL T12 SERIES OR EQUAL.
x) FLEXIBLE REFRIGERATION LINE WHERE SPECIFIED FOR THE CONNECTION OF MOVEABLE OR CASTOR MOUNTED EQUIPMENT SHALL BE EATON AEROQUIP FC802 SERIES WITH SUITABLE CONNECTIONS / FITTINGS. HOSE DIAMETER TO SUIT REFRIGERANT FLOW TO EQUIPMENT, LENGTH 48" (1220MM) OR AS SPECIFIED. FOR EACH PIECE OF MOBILE EQUIPMENT CONNECTED WITH FLEXIBLE REFRIGERATION LINES, RESTRAINING CABLE AND MOUNTING HARDWARE SHALL BE PROVIDED - CABLE SHOULD BE 3" (915MM) LESS IN LENGTH TO INSURE THAT THE FLEXIBLE REFRIGERATION LINE IS NOT SUBJECT TO STRAIN. WHERE MOVEABLE OR CASTOR MOUNTED REFRIGERATION EQUIPMENT IS USED IN CONJUNCTION WITH MOVEABLE GAS EQUIPMENT, PLACEMENT OF RESTRAINING CABLES SHALL BE COORDINATED BETWEEN EQUIPMENT PIECES.

NOT FOR CONSTRUCTION

DRAWING DISCLAIMER: THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, INTERIOR DESIGN, FOOD SERVICE, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL DRAWINGS AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

THIS DRAWING SHOULD ALSO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL MASTER SPECIFICATION, FOOD SERVICE SPECIFICATION AND ENVIRONMENTAL GRAPHICS SPECIFICATION AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

FOODSERVICE CONSULTANTS SOCIETY INTERNATIONAL — PAR BAIN FCS 9506768 — PROFESSIONAL MEMBER

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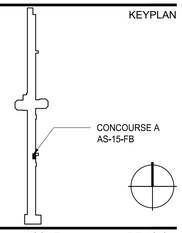

DATE	ISSUE	REVISION
2025.07.10	30% CLIENT REVIEW	
2025.08.15	30% AIRPORT REVIEW	
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.02.24	90% COORDINATION REVIEW	
2026.03.24	100% AIRPORT REVIEW	

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PROJECT NUMBER	1808

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15) COMPONENTS

THE FOLLOWING COMPONENTS SHALL BE SUPPLIED AND INSTALLED WHEN SPECIFIED UNDER INDIVIDUAL ITEMS AND / OR SHOWN ON DRAWINGS:

a) SPICE BINS - 1/4 SIZE POLYCARBONATE 4" (100MM) DEEP INSERT PANS. WHEN SPECIFIED, COMPONENT HARDWARE NO. P88-1010 CARD HOLDER / PULL SHALL BE MOUNTED ON THE LEADING EDGE OF OVERSHELF WITH STAINLESS STEEL CHANNELS.

b) CORNER BUMPERS - COLSON MODEL NO. 6906, OR EQUAL, FASTENED TO UNIT WITH STAIN\-LESS STEEL SCREWS. SEAL BETWEEN BUMPER AND UNIT.

c) RUBBER WRAP_AROUND BUMPERS - COLSON MODEL NO. 96914, OR EQUIVALENT, INSET IN STAINLESS STEEL CHANNEL. CHANNEL FASTENED TO UNIT WITH STAINLESS STEEL SCREWS. SEAL BETWEEN CHANNEL AND UNIT. WRAP-ROUND BUMPERS TO WRAP FULL PERIMETER OF EQUIPMENT AS REQUIRED C/W CORNER BUMPERS AS DEFINED IN SECTION 4.25 ABOVE.

d) DIPPERWELLS - FISHER MANUFACTURING MODEL NO. 3014, C/W DIPPERWELL FAUCET OR EQUAL.

e) MAPLE TOPS - MAPLE TOPS, WHERE SPECIFIED, SHALL BE EDGE-GRAIN HARD MAPLE, 1_3/4" (44MM) TOPS WITH 4" (100MM) COVED RISER FOR BAKER'S TABLES, 2_3/4" (64MM) TOPS FOR COOKS' TABLES. MICHIGAN MAPLE BLOCK CO. OR EQUIVALENT..

f) HARDWARE - ALL HARDWARE SHALL BE IDENTIFIED WITH MANUFACTURER'S NAME AND NUMBER, SO THAT BROKEN OR WORN PARTS MAY BE REPLACED. FOODSERVICE EQUIPMENT CONTRACTOR SHALL SUBMIT SAMPLES FOR APPROVAL, WHERE REQUIRED OR REQUESTED.

g) ALL HARDWARE SHALL BE SOLID MATERIALS. HANDLE AND WEARING PARTS SHALL BE CAST BRASS, CHROME PLATED, OR CORROSION-RESISTANT METAL CONTAINING NOT LESS THAN 30% NICKEL. ALL CASTINGS SHALL BE ROUGH GROUND, POLISHED, AND BUFFED TO BRIGHT LUSTRE AND FREE FROM PIT MARKS, RUNS, CHECKS, BURRS, AND OTHER IMPERFECTIONS. IN LIEU OF CORROSION-RESISTANT METAL CASTINGS, DIE-STAMPED OR CAST 18-8 STAINLESS STEEL WILL BE ACCEPTED. HARDWARE SHALL BE LOCKING TYPE AS SPECIFIED, KEYED AND MASTER KEYED.

h) DOOR HARDWARE _ COMPONENT HARDWARE MODEL P62 SERIES DOOR PULL, NO. M22-2430 MECHANICAL CATCH, NO. R74 SERIES HINGES.

i) SLIDING DOOR HARDWARE _ COMPONENT HARDWARE MODEL P62 SERIES HANDLE, B57 SERIES 3/4" DOOR TRACK, NO. B58 SERIES NYLON DOOR SHEAVES AND NO. B60-1086 DOOR STOPS. DOOR GUIDES SHALL BE SPRING LOADED STAINLESS STEEL WITH FULL LENGTH STAINLESS STEEL DOOR CLIPS SPOT WELDED TO BACK OF DOORS.

j) LOCKS - KASON 7600 SERIES WITH TWO (2) KEYS. ALL DOORS FOR REACH_IN REFRIGERATED COMPARTMENTS, BOTH FABRICATED AND STANDARD ITEMS, SHALL BE FITTED WITH CYLINDER LOCKING TYPE LATCHES, AND SHALL BE PROVIDED WITH MASTER KEYS. DOORS AND DRAWERS OF FABRICATED ITEMS SHALL BE FITTED WITH LOCKS AND MASTER KEYED SEPARATE FROM REFRIGERATED COMPARTMENTS. ALL KEYS TO BE TURNED OVER TO THE OWNER'S REPRESENTATIVE.

k) UTENSIL / POT HOOKS _ CHG MODEL NO. J79-4115 (SINGLE SIDED), CHG MODEL NO. J77-4401 (DOUBLE SIDED).

l) CUTTING BOARDS - SANALITE HDPE CUTTING BOARDS SHALL BE DIMENSIONED AS INDIVIDUALLY SPECIFIED X 3/4" (19MM) THICK. WHERE SPECIFIED, BOARDS SHALL BE SUPPORTED UNDER TABLES ON NO_TIP STAINLESS STEEL STORAGE CHANNELS SECURED TO UNDERSIDE OF TOP.

m) GARBAGE CANS - REFER TO DRAWINGS AND LINE ITEM SPECIFICATIONS FOR MODELS, OPTIONS AND QUANTITIES.

n) CASTERS (COMPONENT HARDWARE GROUP OR EQUIVALENT) - CASTERS ON ALL CUSTOM FABRICATED EQUIPMENT SUPPLIED UNDER THIS SECTION SHALL BE HEAVY DUTY BALL OR ROLLER BEARING WHEELS WITH NON-MARKING URETHANE TIRES. PLATE TYPE SHALL BE SECURELY BOLTED TO FRAME AND SECURED WITH LOCKTITE CEMENT. SHANK SHALL BE PLUG AND STEM TYPE, WITH BUSHING FRICTION FIT INTO UPRIGHTS. CASTERS TO BE NSF APPROVED.

o) TRADE MARKS - TRADEMARKS AND NAMES OF FABRICATORS SHALL NOT BE FASTENED TO ANY ITEMS WITHOUT WRITTEN APPROVAL OF THE OWNER.

p) QUIETNESS OF OPERATION OF ALL FOODSERVICE EQUIPMENT IS A REQUIREMENT. THE PRIME CONTRACTOR WILL BE REQUIRED TO REMOVE OR REPAIR ANY EQUIPMENT PRODUCING OBJECTIONABLE NOISE.

q) FLEXIBLE NATURAL GAS LINE WHERE SPECIFIED FOR THE CONNECTION OF MOVEABLE OR CASTOR MOUNTED EQUIPMENT SHALL BE DORMONT DELUXE SAFETY QUIK KITCF2S SERIES, WITH DOUBLE SWIVELMAX, RESTRAINING DEVICE KIT, SAFETY-SET EQUIPMENT POSITIONING SYSTEM AND ALL COMPONENTS REQUIRED FOR INSTALLATION AND COMPLIANCE WITH ANSI Z21.69

16) **TRIMMING AND SEALING EQUIPMENT**

a) SPACE BETWEEN ALL UNITS AND WALLS, CEILINGS, FLOORS AND ADJOINING UNITS NOT PORTABLE AND WITH ENCLOSED BODIES SHALL BE COMPLETELY SEALED AGAINST ENTRANCE OF FOOD PARTICLES OR VERMIN BY MEANS OF TRIM STRIPS, WELDING, SOLDERING OR COMMERCIAL JOINT MATERIALS AS SUITED TO THE NATURE OF THE EQUIPMENT AND IN COMPLIANCE WITH LOCAL HEALTH DEPARTMENT REGULATIONS.

b) SEALANT, WHEREVER REQUIRED, SHALL BE "DOW CORNING 786" OR "GENERAL ELECTRIC GE SCS1700 SANITARY" OR APPROVED ALTERNATE IN EITHER CLEAR OR APPROVED COLOUR TO MATCH SURROUNDING SURFACES AND SHALL BE APPLIED IN ACCORDANCE WITH SEALANT MANUFACTURER'S RECOMMENDATIONS FOR A SMOOTH, SEALED FINISH

c) ENDS OF ALL HOLLOW SECTIONS SHALL BE CLOSED.

d) ENCLOSED FIXTURES WITHOUT LEGS NOT MOUNTED ON MASONRY BASES SHALL BE SEALED WATERTIGHT TO FLOOR, EXCEPT WHEN SPECIFIED TO BE PORTABLE: I.E. REFRIGERATORS, ICE CREAM CABINETS, OVENS, ETC.

e) FLOOR DRAIN PANS TO BE PRE_DELIVERED TO GENERAL CONTRACTOR. EXPANSION JOINT MATERIAL, FOR SEALING PAN EDGES WITH FINISHED FLOOR, SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR.

f) TRIM SHALL NOT BE AN ACCEPTABLE SUBSTITUTE FOR ACCURACY AND NEATNESS. WHEN TRIM IS REQUIRED AND ACCEPTED IN LIEU OF REJECTION OF ITEMS OF EQUIPMENT, IT SHALL BE THE FOODSERVICE EQUIPMENT CONTRACTOR'S RESPONSIBILITY TO PROVIDE SUCH RIM AT NO ADDITIONAL COST.

17) REFRIGERATION EQUIPMENT

a) STANDARDS

ALL WORK SHALL CONFORM TO THE CURRENT CODES AND REQUIREMENTS OF THE APPROVING AGENCY HAVING JURISDICTION, AND, WHERE APPLICABLE, AN INSPECTION CERTIFICATE OR LABEL SHALL BE PROVIDED, INCLUDING, BUT NOT LIMITED TO CURRENT EDITIONS OF:

- NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
- NATIONAL SANITATION FOUNDATION (NSF)
- PROVINCIAL REGULATIONS GOVERNING MECHANICAL REFRIGERATION PLANTS AND MECHANICAL REFRIGERATION CODES

b) SCOPE OF WORK

THE SCOPE OF WORK INCLUDES THE SUPPLY AND INSTALLATION OF ALL COOLER AND FREEZER ROOMS AND THE INSTALLATION, TESTING AND SATISFACTORY TURNOVER TO THE OWNER OF COMPLETE, OPERATIONAL AND PROPERLY SIZED REFRIGERATION EQUIPMENT AND LINES FOR ALL REFRIGERATOR AND FREEZER ROOMS AND FOODSERVICE EQUIPMENT, WITH ALL NECESSARY BLOWER COILS, CONDENSERS, COMPRESSORS, VALVES, FITTINGS AND COMPONENTS, AS OUTLINED IN THE SPECIFICATIONS. ALL WORK IN REFRIGERATED SPACES SHALL COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES AND ORDINANCES AND SHALL BE IN COMPLIANCE WITH CURRENT "ASHRAE" STANDARDS.

18) PREFABRICATED COLD STORAGE ROOMS

a) ALL DIMENSIONS SHOWN ON PLANS ARE NOMINAL AND THE SPACE AVAILABLE SHALL BE SITE VERIFIED AT THE BUILDING / TENANT SPACE AS CONSTRUCTION PROGRESSES.

b) ALL PANELS AND INSULATION SHALL CONFORM TO PERMANENT OBSTRUCTIONS IN THE SHAPE OF WALLS, COLUMNS, DUCTS, ETC.

c) THE WORK DESCRIBED HEREIN IS TO INCLUDE THE FURNISHING OF ALL LABOR, MATERIALS, ITEMS AND SERVICE NECESSARY TO FABRICATE, DELIVER, ERECT AND SET IN PLACE THE LISTED ROOMS AND EQUIPMENT IN LOCATIONS SHOWN ON PLANS, OR AS OTHERWISE DIRECT\-ED BY THE OWNER / CONSULTANT. SUBJECT TO THE APPROVAL OF THE OWNER /CONSULT\-ANT, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL MAKE, WITHOUT ADDITIONAL COST, SUCH VARIATIONS FROM THE PLANS AND SPECIFICATIONS AS MAY BE NECESSARY BY REASON OF MINOR DISCREPANCIES BETWEEN THE DRAW\-INGS AND ACTUAL SITE CONDITIONS. THE PLANS AND SPECIFICATIONS ARE INTENDED TO INCLUDE EVERYTHING REQUISITE FOR THE COMPLETION OF ALL WORK. THEY INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

1. INSULATED WALL, FLOOR, PARTITION AND CEILING PANELS
2. SILL-LESS DOORS.
3. VAPOR PROOF LED LIGHT ASSEMBLIES AS SPECIFIED. KASON LED 1809 OR EQUAL.
4. FLUSH MOUNT DIGITAL THERMOMETERS (ONE FOR EACH ROOM).
5. BUILDING WALL AND / OR FLOOR SLEEVES.
6. RELIEF AIR VENTS (FREEZERS ONLY) ELECTRICALLY HEATED.
7. CEILING SUPPORTS (HANGERS) WHERE SPECIFIED.
8. COIL SUPPORT HANGERS.
9. TEMPERATURE ALARM SYSTEMS.
10. RAMPS WHEN SPECIFIED.

d) SECTION CONSTRUCTION

SECTIONS SHALL BE MADE IN NOMINAL MODULAR PANEL WIDTHS, CONSISTING OF INTERIOR AND EXTERIOR METAL PANS ROLL FORMED AND UNIFORM. SECTION EDGES FABRICATED WITH FOAMED-IN-PLACE URETHANE TONGUE AND GROOVE WITH VINYL GASKET PROUD OF METAL SKIN TO PROVIDE INSULATION CONTACT FIT.

PANELS - SHALL BE OF THE TYPE SPECIFIED BELOW, WITH EXTERIOR ROOF AND UNEXPOSED WALL SURFACES OF A MINIMUM 26 GAUGE GALVANISED STEEL.

i. TYPE 1 - WALL PANELS SHALL CONSIST OF A MINIMUM 22 GAUGE, 304, #4 FINISH STAINLESS STEEL INTERIOR AND EXPOSED EXTERIOR.

ii. TYPE 2 - WALL PANELS SHALL CONSIST OF A MINIMUM 26 GAUGE ALUMINIUM WITH WHITE STUCCO FINISH ON INTERIOR AND 22 GAUGE, 304, #4 FINISH STAINLESS STEEL ON EXPOSED EXTERIOR.

iii.TYPE 3 - WALL PANELS SHALL CONSIST OF A MINIMUM 26 GAUGE GALVALUME WITH ON INTERIOR AND EXPOSED EXTERIOR.

iv.TYPE 4 - WALL PANELS SHALL CONSIST OF A MINIMUM 26 GAUGE ALUMINIUM WITH WHITE STUCCO FINISH ON INTERIOR AND EXPOSED EXTERIOR.

v. TYPE 5 - WALL PANELS SHALL CONSIST OF CUSTOM FINISH APPLIED AS SPECIFIED ON EXTERIOR; 26 GAUGE ALUMINIUM WITH WHITE STUCCO FINISH ON INTERIOR.

e) CORNER PANELS SHALL BE SEAMLESS 90°, FACTORY SIZED TO SUIT ROOM DIMENSIONS, WITH A CONTINUOUS OUTER SKIN TO ENSURE A VAPOR PROOF SECTION. PANELS WITH EXCESSIVE DISTORTION SHALL BE REJECTED. ALL INTERIOR FLOOR, CEILING AND WALL CORNERS SHALL BE COVED FOR EASE OF CLEANING AND SANITATION.

f) MAXIMUM DEFLECTION OF CEILING PANELS SHALL NOT EXCEED 1/240TH OF THE SPAN UNDER A LOAD OF 20 (9.0 KG) POUNDS PER SQUARE FOOT. PANEL SPANS EXCEEDING 12'-0" (3658 MM) SHALL BE ADDITIONALLY SUPPORTED BY OVERHEAD SUSPENSION SYSTEM, CONSISTING OF BEAM CLAMPS, HANGER RODS, ANGLES, FASTENERS AND PANEL CONNECTORS AS FURNISHED BY THE COLD STORAGE ROOM MANUFACTURER.

g) SECTION FASTENING - PANEL JOINTS SHALL BE TONGUE AND GROOVE TYPE TO ENSURE PROPER ALIGNMENT AND TO ELIMINATE ANY VAPOUR OR FROST TRANSMISSION. ALL PANEL JOINTS SHALL BE DRAWN TIGHT WITH FACTORY INSTALLED CAM_ACTION SPEED LOCK ASSEMBLIES. ALL JOINTS SHALL BE UNIFORM AND SMOOTH.

h) INSULATION - SHALL BE HIGH PRESSURE INJECTED POLYURETHANE. MINIMUM THICKNESS 4" (100 MM) OR AS SPECIFIED. OVERALL CO_EFFICIENT OF HEAT TRANSFER ("U" FACTOR) SHALL NOT EXCEED 0.029 (R_30) AT 4" (100 MM) THICKNESS OR 0.023 (R_38) AT 5" (127 MM) THICKNESS. INSULATION SHALL MEET AND COMPLY WITH THE CURRENT PROTOCOLS AND REGULATIONS FOR CFC CONTENT. POLYURETHANE SHALL CONTAIN FIRE-RETARDANT TO ENSURE A MAXIMUM FLAME SPREAD OF 25 FOR THE PANEL AND 500 FOR THE INSULATION AS REQUIRED BY ULC S102 AND ULC S127. THE PANEL ASSEMBLY SHALL MEET ULC ORD-C376. EACH PANEL SHALL CARRY A SEAL OF APPROVAL.

i) STANDARD DOOR SECTION - OPENING SHALL BE OF NOT LESS THAN 34" (864 MM) WIDE X 6'_6" (1980 MM) HIGH, PROVIDED IN 47" (1194 MM) WIDE VERTICAL SECTION. DOOR SHALL BE SEMI FLUSH MOUNT UNLESS OTHERWISE SPECIFIED WITH FITTED WITH AIRLOCK DOOR GASKET. ALL DOORS SHALL BE PROVIDED WITH STAINLESS STEEL SILL PLATE ASSEMBLY WITH PERIMETER HEATER CABLE FOR ALL ROOM APPLICATIONS. DOORS SHALL HAVE 16 GAUGE S/S KICK PANEL TO 36" (915 MM) ON INTERIOR AND EXTERIOR SURFACE.

j) NON_STANDARD DOORS - TO BE PROVIDED AS INDIVIDUALLY SPECIFIED.

k) HARDWARE _ ALL HARDWARE TO BE HEAVY DUTY, NSF, BRUSHED CHROME FINISH AS FOLLOWS;

i. HINGES - TWO PER DOOR FOR STANDARD SIZED DOORS, THREE FOR OVERSIZE DOORS OR NON-STANDARD DOORS. HINGES TO BE SPRING ASSISTED, CAM RISING, SELF-CLOSING - KASON 1248 OR APPROVED EQUIVALENT

ii. LATCH WITH 1/4 TURN RELEASE CLOSURE (KASON 27C); TO ACCEPT OWNER SUPPLIED PADLOCK - KASON 10027C00035 OR APPROVED EQUIVALENT

iii. EACH WALK_IN DOOR TO BE EQUIPPED WITH A POSITIVE SPRING LOADED CLOSING DEVICE TO ENSURE TIGHT CLOSURE.

iv. VIEW WINDOWS WHEN SPECIFIED SHALL BE 14" (355MM) X 14" (355MM) NON-HEATED DUAL PANE FOR COOLERS AND 14" (355MM) X 14" (355MM) HEATED FRAME FOR FREEZERS - KASON 1920 OR APPROVED EQUIVALENT

l) CONDENSATE CONTROL HEATER WIRES - DOOR JAMBS SHALL BE EQUIPPED WITH CONCEALED HEATER WIRES AND SHALL BE SUFFICIENTLY SIZED TO PREVENT FROST FORMATION AND CONDENSATION. ALL FREEZER THRESHOLDS SHALL HAVE ANTI-CONDENSATE HEATERS.

m) LIGHTING

i. A JUNCTION BOX SHALL BE PROVIDED FOR 120V, 60 CYCLE, SINGLE PHASE AC SERVICE (15 AMP MINIMUM) AND BE INSTALLED ON THE EXTERIOR CEILING PANEL. ALL THERMOMETERS / ALARM CONTROL PANELS / SWITCHES AND HEATER CABLES TO BE PRE_WIRED AT FACTORY WITH PIG TAILS TO JUNCTION BOX THROUGH FACTORY OR SITE DRILLED PENETRATION ADJACENT TO JUNCTION BOX. INTERIOR LIGHTING TO BE FIELD INSTALLED WITH LEADS TO EXTEND THROUGH PENETRATION TO JUNCTION BOX ABOVE CEILING PANEL. LIGHTING CONTROL TO BE INTEGRAL WITH ALARM CONTROL PANEL. NO DEDICATED LIGHT SWITCH REQUIRED.

ii. INDIVIDUAL ROOM LIGHTING TO BE SUPPLIED AS INDICATED ON PLANS AND SPECIFICA\-TIONS TO PROVIDE A LIGHT LEVEL OF 30FC 30" (760MM) ABOVE FINISHED FLOOR.

n) NORMAL TEMPERATURE COOLERS 35°F (2°C), LOW TEMPERATURE LED FIXTURE. KASON 1809-4 SERIES, AS SPECIFIED OR EQUAL. NO DOOR LIGHT REQUIRED.

o) STORAGE FREEZERS _10°F (-23°C), LOW TEMPERATURE LED FIXTURE. KASON 1809-4 SERIES, AS SPECIFIED OR EQUAL. NO DOOR LIGHT REQUIRED.

p) LOW TEMPERATURE FREEZERS - LED FIXTURE. KASON 1809-4 SERIES, AS SPECIFIED OR EQUAL. NO DOOR LIGHT REQUIRED. ALL LIGHT FIXTURES, INTERCONNECTING CONDUIT AND WIRING, ROOF AND WALL PENETRATIONS AND WIRING TO JUNCTION BOXES SHALL BE PROVIDED BY THE FOODSERVICE EQUIPMENT CONTRACTOR FOR FINAL CONNECTION BY THE ELECTRICAL CONTRACTOR.

q) ALL INTERCONNECTING CONDUIT AND WIRING TO BE RUN WITHIN THE FABRICATED WALL CAVITY OR RUN ABOVE THE WALK IN BOX. NO INTERIOR HORIZONTAL CONDUIT RUNS ARE PERMITTED. EVAPORATOR POWER SUPPLY, SHOULD TAKE THE MOST DIRECT ROUTE THROUGH THE CEILING OF THE BOX ADJACENT TO THE EVAPORATOR AND SHOULD BE RUN IN LIQUID TIGHT CONDUIT WITH NEMA 4 J BOXES AND SWITCH COVER AS REQUIRED.

r) FLOORS - ROOMS SHALL BE PROVIDED WITH OR WITHOUT PREFABRICATED FLOOR AS CALLED FOR IN THE ITEMISED SPECIFICATION AND SHALL BE ONE OF THE FOLLOWING:

i. TYPE 1 - FLOORLESS _ ROOM SHALL BE PROVIDED WITHOUT PREFABRICATED FLOOR BUT WITH NON_CORROSIVE HIDDEN SCREED, WHICH SHALL BE FIXED TO FINISHED FLOOR, READY TO ACCEPT PRE_FABRICATED WALLS AND ALLOW FOR FINAL FLOOR FINISH TO COVE UP INTERIOR AND EXTERIOR OF INSULATED WALL PANEL. COOLERS, WHEN INSTALLED SLAB ON GRADE, REQUIRE NO SLAB INSULATION. WHERE INSTALLED ON SLAB WITH DEVELOPED LEVEL, BASEMENT OR PARKADE BELOW, SPRAY FOAM INSULATION IS TO BE APPLIED TO U/S OF SLAB BELOW COOLER LOCATION TO AN R VALUE OF 15 MINIMUM AND FOAM IS TO EXTEND A MINIMUM OF 4'-0" BEYOND EXTERIOR PERIMETER OF COOLER. FREEZERS MUST ALWAYS INCLUDE AN INTEGRAL FLOOR, TYPE 2 OR 3. IN NEW CONSTRUCTION, WHERE SLABS ARE NOT YET POURED, RECESSED SETDOWN PITS W/ LEVELLING CONCRETE ARE RECOMMENDED FOR COOLERS / FREEZERS AND INTEGRAL FLOORS SHOULD BE PROVIDED. DETAILS WILL BE PROVIDED FOR THESE SPECIFIC INSTALLATIONS

ii. TYPE 2 - FLOOR _ SECTIONAL TYPE CONSTRUCTION AS FOR WALLS, FITTED WITH ADAPTING KEY STRIP (SCREED) AROUND PERIMETER OF AREA, TO ACCEPT VERTICAL WALL SECTIONS. FLOOR PANELS TO CONSIST OF 1/8" (6.4 MM) ALUMINIUM TREAD PLATE ON 18 GAUGE GALVANIZED STEEL WITH ½" MARINE GRADE PLYWOOD REINFORCEMENT, INSULATION AND OUTER 18 GAUGE GALVANIZED STEEL SKIN 100% COVERAGE, SECURELY FASTENED AND SEALED WITH 4" (100 MM) COVE BASE.

iii. TYPE 3 - FLOOR - HEAVY DUTY SECTIONAL TYPE CONSTRUCTION AS FOR WALLS, FITTED WITH ADAPTING KEY STRIP (SCREED) AROUND PERIMETER OF AREA, TO ACCEPT VERTICAL WALL SECTIONS. FLOOR PANELS TO BE RATED TO SUPPORT 5000 PSF AND CONSIST OF .125 ALUMINIUM TREAD PLATE SET IN PLACE OVER .05 SMOOTH ALUMINIUM SET UPON FOAMED IN PANEL WITH 4" (100MM) X 4" (100MM) BLOCKS 12" (305MM) OC, HIGH DENSITY INSULATION AND OUTER 18 GAUGE GALVANIZED STEEL SKIN STAINLESS STEEL COVE BASE REQUIRED TO BE I NSTALLED ON SITE TO PROVIDE COVED BASE DETAIL TO MEET NSF REQUIREMENTS

s) PENETRATION SLEEVES AND PLATES

i. SERVICE LINE PENETRATIONS OF INSULATED CEILING / WALL PANELS TO ACCOMMODATE ELECTRICAL CONDUIT, REFRIGERANT LINES, DRAIN LINES AND DIAL THERMOMETER LEADS SHALL BE LIMITED TO A MINIMUM, WITH SERVICES STUBBED THROUGH CEILING / WALL PANEL AS REQUIRED.

ii. SLEEVES SHALL BE ARMACELL AP ARMAFLEX WHITE LAPSEAL CLOSED CELL PIPE INSULATION, SIZED TO FIT LINE PENE\-TRATIONS, AND SHALL EXTEND COMPLETELY THROUGH REFRIGERATOR INSULATION AND ANY ENCLOSING BUILDING WALLS.

iii. ALL EXPOSED ENDS OF SLEEVES, BOTH INSIDE AND OUTSIDE OF COMPARTMENTS, ARE TO BE TRIMMED WITH 20 GAUGE STAINLESS STEEL ESCUTCHEON PLATES FURNISHED AS BLANKS, IN WHICH RESPECTIVE WORK DIVISIONS SHALL CUT REQUIRED LINE HOLES AND I NSTALL THE ESCUTCHEON.

t) TRIM STRIPS & CLOSURE PANELS - TRIM OF MATCHING EXTERIOR FINISH SHALL BE SUPPLIED AND INSTALLED AT SIDES, BETWEEN BUILDING WALLS AND WALLS OF WALK_INS BY CONCEALED METHOD. ANGLE TRIM SHALL BE INSTALLED ON VERTICAL JOINTS AND ACROSS CEILING WHERE BOXES ADJOIN CEILING. WHERE CLOSURE PANELS OR TRIM STRIPS ARE REQUIRED AT CEILING, PANELS ARE TO BE FASTENED BY CONCEALED METHOD AND, WHERE REQUIRED, ARE TO BE REMOVABLE WITHOUT TOOLS.

u) TEMPERATURE ALARM - EACH ROOM SHALL BE PROVIDED WITH A FLUSH MOUNT DIGITAL TEMPERATURE ALARM - MODULARM 75LC OR EQUAL, MULTI-MONITOR W/ SIMULTANEOUS FUNCTIONS INCLUDING TEMPERATURE ALARM (INCLUDING THERMOMETER FUNCTION), DOOR AJAR ALARM, AUTOMATIC LIGHT CONTROL, AC FAILURE ALARM AND PANIC ALARM. TEMPERATURE SENSOR LINE TO BE A CUSTOM LENGTH OF 2'-0" (610MM) WITH SENSOR EXTEND\-ED AWAY FROM THE DOOR AND SHALL BE PROTECTED FOR ITS FULL LENGTH WITH SS "C" CHANNEL MOLDING TO ENCLOSE INTERNAL THERMOMETER CABLE.

v) BUMPERS - EACH ROOM SHALL INCLUDE THE FOLLOWING UNLESS SPECIFIED OTHERWISE : INTERIOR WALLS - 10" (250MM) WHITE HDPE POLYBOARD BUMPER 3/4" (20MM) THICK. POLY BOARD TO BE SECURED TO COOLER WALL PANEL, C/W FACTORY INSTALLED METAL BLOCKING, WITH CONSTRUCTION ADHESIVE AND MECHANICALLY FASTENED WITH COUNTER SUNK STAINLESS STEEL SCREWS TOP & BOTTOM EVERY 18" (460MM). BUMPER TO BE INSTALLED @ 18" (460MM) AFF. LENGTH OF BUMPER AS SPECIFIED. EXTERIOR WALLS - 8" (200MM) WHITE HDPE POLYBOARD BUMPER 3/4" (20MM) THICK. POLY BOARD TO BE SECURED TO COOLER WALL PANEL, C/W FACTORY INSTALLED METAL BLOCKING, WITH CONSTRUCTION ADHESIVE AND MECHANICALLY FASTENED WITH COUNTER SUNK STAINLESS STEEL SCREWS TOP & BOTTOM EVERY 18" (460MM). BUMPER TO BE INSTALLED @ 34" (865MM). LENGTH OF BUMPER AS SPECIFIED. BUMPER EDGES TO BE SEALED WITH CLEAR SILICONE. REFER TO ELEVATIONS AND BUMPER DETAILS ON DESIGN DRAWINGS.

w) THERMAL CURTAINS WHERE SPECIFIED, EACH DOOR SECTION SHALL BE PROVIDED WITH AN INTERIOR, ALUMINIUM TRACK_MOUNTED, CLEAR .080 GAUGE PVC EXTRUDED STRIP CURTAIN SYSTEM. STRIPS SHALL BE MAXIMUM 6" (150 MM) WIDE WITH A MINIMUM 50% OVERLAP, MINIMUM 1/8" (3 MM) THICKNESS. KASON THERMAFLEX EASIMOUNT STRIP CURTAINS OR NSF EQUIVALENT, WITH LOW TEMPERATURE TYPE FOR FREEZERS AND STANDARD TYPE FOR COOLERS.

19) **MECHANICAL REFRIGERATION SYSTEMS**

a) REFRIGERATION SYSTEMS AND THEIR INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH FEDERAL AND PROVINCIAL REGULATIONS REGARDING REFRIGERATION PLANTS AND THE CURRENT MECHANICAL REFRIGERATION CODE. IN ADDITION, THEY ARE SUBJECT TO THE GENERAL CONDITIONS AND GENERAL REQUIREMENTS OF THESE SPECIFICATIONS.

b) THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL BE OR SHALL RETAIN THE SERVICES OF AN EXPERIENCED REFRIGERATION SUB_CONTRACTOR, A MEMBER OF "REFRIGERATION AND AIR CONDITIONING CONTRACTORS ASSOCIATION OF THE PROVINCE HAVING JURISDICTION," TO SUPPLY AND INSTALL THE FOOD SERVICE REFRIGERATION EQUIPMENT.

c) REFRIGERATION WORK SHALL BE CARRIED OUT BY JOURNEYMEN MECHANICS AND THEIR HELPERS.

d) BIDDERS HAVE THE OPTION OF DETERMINING THE SPECIFIC BRANDS OF MECHANICAL EQUIPMENT TO BE USED FOR REMOTE COMPRESSOR INSTALLATIONS BUT MUST INCLUDE FACTORY LITERATURE DESCRIBING THE MODELS SELECTED.

e) THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL SUPPLY AND INSTALL, UNLESS PROHIBITED BY SITE CONDITIONS, ALL REFRIGERATION MACHINERY, LINES, CONTROLS, VALVES, AND COILS TO FORM A COMPLETE CLOSED SYSTEM INCLUDING ALL INTER-WIRING BETWEEN COMPRESSOR AND EVAPORATOR; TO BE INSTALLED IN A FIRST CLASS MANNER AND STANDARD PRACTICE. ADEQUATE AIR CIRCULATION SHALL BE PROVID\-ED FOR EFFICIENT OPERATION OF ALL UNITS. ALL SYSTEMS SHALL BE LEFT IN RUNNING CONDI\-TION TO THE SATISFACTION OF THE OWNER / CONSULTANT.

f) THE REFRIGERATION WORK INCLUDES FURNISHING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND SERVICES NECESSARY TO COMPLETE THE EQUIPMENT REFRIGERATION AS PER DRAWINGS AND AS SPECIFIED HEREINAFTER. THE PLANS AND SPECIFICATIONS ARE INTENDED TO INCLUDE EVERYTHING REQUIRED FOR COMPLETION OF ALL WORK. IT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:

I. ALL MECHANICAL REFRIGERATION ITEMS FOR REMOTE REFRIGERATION SYSTEMS, EXCEPT FOR ITEMS INCLUDED WITH STANDARD MANUFACTURED OR FABRICATED EQUIPMENT.

II. ALL COMPRESSOR UNITS, CONDENSERS, REFRIGERANT, REFRIGERANT PIPING, CONTROL VALVES AND ACCESSORIES AND LINE INSULATION. COMPRESSOR UNITS SHALL BE AIR COOLED, UNLESS OTHERWISE SPECIFIED.

III. REFRIGERANTS IN COMPLIANCE WITH CURRENT CFC REGULATIONS AND THE PROTOCOLS.

IV. ALL COLD STORAGE ROOM AND REMOTE EQUIPMENT EVAPORATORS WITH THERMOSTATIC EXPANSION VALVES.

V. ALL COLD STORAGE ROOM THERMOSTATS

VI. COLD STORAGE ROOM AND REMOTE EQUIPMENT EVAPORATOR DRAIN LINES OR CONDEN\-SATE EVAPORATORS WHERE SPECIFIED.

VII. DEFROSTING EQUIPMENT FOR REMOTE REFRIGERATION SYSTEMS (COLD STORAGE ROOM). INCLUDE EVAPORATOR DRAIN LINE HEATER IN FREEZER ROOMS.

VIII. COMPRESSOR RACK PLATFORMS WHERE INDICATED.

IX. STEEL ANGLE RACKS FOR MOTOR COMPRESSOR OR CONDENSING UNITS.

X. ALL COMPRESSORS SHALL BE ADEQUATELY MOUNTED TO ELIMINATE VIBRATION NOISES. STAND SHALL BE SUITABLY BRACED TO ENSURE STABILITY AND PAINTED WITH GREY ENAMEL. STAND SIZED TO ACCOMMODATE ALL COMPRESSORS AS SPECIFIED.

XI. PRE_DETERMINED OR POSITIONED COLD STORAGE ROOM EVAPORATOR HANGERS AND LINE PENETRATION LOCATIONS.

XII. BUILDING WALL AND / OR FLOOR SLEEVES. CUT AND PATCH BUILDING WORK AS MAY BE NECESSARY FOR INSTALLATION.

XIII. VERIFY EXACT ELECTRICAL VOLTAGE TO ASSURE SERVICE PROVIDED IS IN ACCORDANCE WITH EQUIPMENT REQUIREMENTS AND ACCEPTED RATING VARIANCE.

XIV. START UP AND PUT INTO OPERATION ALL SYSTEMS FURNISHED.

XV. THE SUPPLY AND ASSEMBLY OF ALL COMPONENT PARTS WITH ELECTRICAL INTERCONNECTION TERMINATING AT A JUNCTION BOX, FOR FINAL CONNECTION BY THE ELECTRICAL CONTRACTOR.

g) THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL VERIFY EXACT ELECTRICAL VOLTAGE TO ASSURE SERVICE PROVIDED IS IN ACCORDANCE WITH EQUIPMENT REQUIREMENTS AND ACCEPTED RATING VARIANCE.

h) PENETRATION OF THE CEILING, FLOORS AND WALL OF THE KITCHEN THROUGH WHICH LINES MUST BE RUN SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. LOCATION OF THESE SHALL BE CONVEYED TO THE GENERAL CONTRACTOR BY THE FOODSERVICE EQUIPMENT CONTRACTOR

i) THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL SUBMIT LAYOUT FOR COMPRESSORS, PIPING AND PIPING SLEEVES FOR GUIDANCE OF THE MECHANICAL AND ELECTRICAL CONTRACTORS IN MAKING THE FINAL CONNECTIONS.

j) ALL REFRIGERATION SYSTEMS FURNISHED UNDER THIS CONTRACT SHALL INCLUDE START UP AND ONE (1) YEARS' SERVICE AND MAINTENANCE CONTRACT, IN ADDITION TO THE REGULAR ONE (1) YEAR GUARANTEE AS STATED IN THE GENERAL REQUIREMENTS, SECTION 11401.33. ALL COMPRESSORS TO CARRY MANUFACTURER'S FIVE (5) YEAR WARRANTY.

k) THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THE FOLLOWING DURING TESTING AND INITIAL OPERATION:

I. ALL CONTROLS SHALL BE PROPERLY ADJUSTED INCLUDING REFRIGERATION CIRCUITS, ROOM AIR TEMPERATURE CONTROLS, ETC.

II. ALL CONDENSERS SHALL CARRY AN OVERLOAD PROTECTOR.

III. A COMPETENT SERVICE TECHNICIAN SHALL BE AVAILABLE DURING THE FIRST EIGHT (8) HOURS OF OPERATION.

IV. ALL SWITCHES, STARTERS AND CONTROLS SHALL BE IDENTIFIED AS TO FUNCTION.

V. THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL PROVIDE THREE (3) COPIES OF COMPLETE REMOTE REFRIGERATION SYSTEM CONTROL WIRING AND PIPING DIAGRAMS TO THE OWNER WITH ONE OF THE COPIES TO BE "TAPED" TO THE INSIDE DOOR WITHIN THE COOLER.

l) COMPRESSOR AND CONDENSING UNITS

i. COMPRESSOR CAPACITIES SHALL BE BASED ON ARI (THE AIR-CONDITIONING AND REFRIGERATION INSTITUTE) STANDARDS, OPERATING AT SPEEDS WITHIN THE MANUFACTURER'S RECOMMENDED OPERATION RANGE OF SUCTION AND DISCHARGE PRESSURES AND WITH THE REQUIRED BTU RATINGS PER HOUR.

ii. COMPRESSOR UNITS ARE TO BE HERMETIC (SEALED) UNLESS OTHERWISE SPECIFIED.

iii. ALL UNITS SHALL BE OF THE SAME MANUFACTURE AND TYPE, STANDARD CATALOGUED AND FACTORY ASSEMBLED.

iv. COMPRESSOR MOTORS AND RECEIVERS SHALL BE RIGIDLY MOUNTED ON A STEEL BASE TO EFFECT A QUIET OPERATION. ALL ROTATING PARTS TO BE BALANCED FOR MINIMUM VIBRATION AND LUBRICATED WITH A FORCED OIL SYSTEM. RECEIVER CAPACITY SHALL BE AMPLE TO ALLOW FOR A COMPLETE PUMP_DOWN OF THE SYSTEM.

v. MOTORS SHALL BE OF STANDARD MANUFACTURE, SINGLE SPEED, NOT TO EXCEED 1750 RPM BALL OR SLEEVE BEARING TYPE. MOTORS OVER 1/2 HP TO BE WIRED FOR 208V, 60 CYCLE, SINGLE PHASE. MOTORS 1 1/2 HP AND LARGER TO BE WIRED FOR 208V, 60 CYCLE, 3 PHASE. **VERIFY ALL ELECTRICAL**. ALL MOTORS SHALL BE PROVIDED WITH STARTERS, INHERENT INTERNAL THERMOSTAT AND SOLID STATE OVERLOAD PROTECTION.

vi. ALL UNITS SHALL BE EQUIPPED WITH HIGH LOAD PRESSURE CONTROL SWITCHES HAVING ADJUSTABLE RANGE AND DIFFERENTIAL, QUICK ACTING TYPE TO BREAK MOTOR CIRCUIT IF PRESSURE BECOMES EXCESSIVE. CUTOUT TO BE OF AUTOMATIC RESET TYPE.

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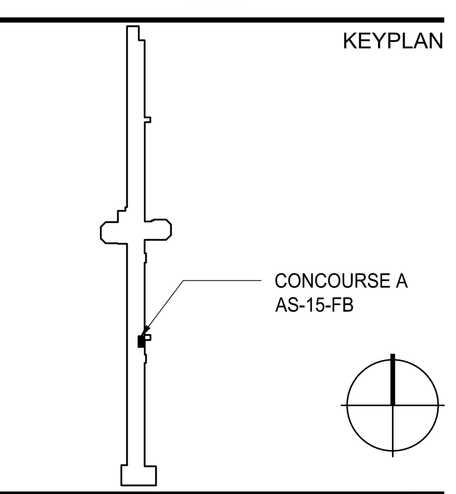

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vii. A LIQUID LINE SIGHT GLASS SHALL BE PROVIDED AT THE CONDENSING UNIT.

viii. OVERLOAD ON COMPRESSORS SHALL NOT EXCEED 10% DURING THE DEFROST PERIOD.

ix. RECEIVERS SHALL BE BASED UPON HOLDING SYSTEM REFRIGERANT CHARGE WHEN RECEIVER NOT MORE THAN 90% FULL.

x. TYPE AND WEIGHT OF REFRIGERANT AND CAPACITY OF RECEIVER SHALL BE STAMPED ON CONDENSING UNIT NAMEPLATE,

xi. OPERATING TEMPERATURES FOR WALK-IN COOLERS TO BE 1-3C (33-37F) UNLESS SPECIFIED OTHERWISE. OPERATING TEMPERATURES FOR WALK-IN FREEZERS TO BE -18 - -23C (0- -10F) UNLESS SPECIFIED OTHERWISE.

m) COILS AND COOLING UNITS

i. UNITS SHALL BE OF DIRECT EXPANSION TYPE, OF SUCH SIZE AND DESIGN AS TO EFFECT REQUIRED TEMPERATURES AND HUMIDITY, AND TO SUIT THE APPLICATION INTENDED, THEY SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE ITEMISED SPECIFICATION. FINNED AND BLOWER COILS SHALL BE FABRICATED OF MINIMUM 1/2" (13MM) COPPER TUBING WITH COPPER OR ALUMINIUM FINS MECHANICALLY OR HYDRAULICALLY BONDED TO THE TUBES; BARE TUBE COILS FABRICATED OF HARD DRAWN COPPER TUBING. ALL RETURN BENDS SHALL BE PHOS_COPPER WELDED AND TESTED TO 250 PSI (1725 KPA) AIR PRESSURE, DEHYDRATED AND SEALED BY THE MANUFACTURER.

ii. BLOWER COIL EVAPORATORS AS SPECIFIED FOR COLD STORAGE ROOMS SHALL BE SUPPORTED BY MEANS OF SUITABLE NON_FERROUS HANGERS ATTACHED TO THE UNDERSIDE OF THE CONSTRUCTION ABOVE, WHEREVER POSSIBLE.

iii. UNIT COOLERS SHALL BE INSTALLED TIGHT AGAINST CEILINGS, AND ALL WALL TYPE UNITS SHALL BE LOCATED AGAINST OR AT A MINIMUM DISTANCE FROM WALLS, CONFORMING WITH MANUFACTURER'S DIRECTIONS, SUCH AS TO ENSURE PROPER AIR CIRCULATION AND PERFORMANCE.

iv. DEFROSTING OF ALL COILS ABOVE 34ºF (1.1ºC) BOX TEMPERATURES SHALL BE AUTOMATIC BY PROPERLY SIZING THE COILS AND COMPRESSOR TO CREATE AN ON/OFF CYCLE ON THE REFRIGERATION COMPRESSOR.

v. ALL APPLICATIONS FOR TEMPERATURES OF 32ºF (0ºC) OR LOWER SHALL BE PROVIDED WITH AUTOMATIC ELECTRIC DEFROST TIMER TO MATCH TEMPERATURE TERMINATING THERMOSTAT.

n) HEAT INTERCHANGERS

i. ALL EVAPORATORS FOR LOW TEMP (FREEZER) APPLICATIONS SHALL BE PROVIDED WITH HEAT INTERCHANGERS, WITH A CAPACITY TO MATCH THE CONDENSING UNITS,

o) VALVES AND ACCESSORIES

i. REFRIGERANT SHUT_OFF VALVES IN THE REFRIGERANT PIPING SHALL BE HENRY OR EQUAL. SEAL CAPPED GATE VALVES (ROTALOCK) FOR LINE SIZES 3/4" (19 MM) OUTSIDE DIAMETER AND LARGER, AND PACKLESS DIAPHRAGM TYPE FOR SMALLER SIZES.

ii. ALL VALVES SHALL BE PLACED AT EACH INLET AND AT EACH OUTLET OF A CONDENSING UNIT, AND IN EACH LIQUID LINE, AND AT EACH SUCTION BRANCH TO EACH EVAPORATOR OR EVAPORATORS WITHIN A COMPARTMENT.

iii. ALL COMPRESSORS SHALL BE SUPPLIED WITH A HEAD PRESSURE CONTROL VALVE AND ISOLATING HAND VALVE.

iv. EXPANSION VALVES SHALL BE SPORLAN OR EQUAL AND SHALL BE PROVIDED BY THE FOODSERVICE EQUIPMENT CONTRACTOR AND PLACED IN THE REFRIGERANT LIQUID LINE AT THE POINT WHERE THE LINE ENTERS THE EVAPORATOR, EXCEPT WHEN THE VALVE IS SO FURNISHED WITH THE EVAPORATOR BY OTHERS.

v. EXTERNAL EQUALIZER EXPANSION VALVES SHALL BE PROVIDED FOR COILS FITTED WITH A REFRIGERANT DISTRIBUTOR.

vi. A DEHYDRATOR OR DRYER SHALL BE PROVIDED. DRYERS SHALL BE AS MANUFACTURED BY SPORLAN VALVE COMPANY.

vii. SOLENOID VALVES TO BE SPORLAN TYPE WITH MANUAL LIFT STEM, AS REQUIRED. SOLENOIDS SHALL BE FULL REFRIGERANT LINE SIZE, USING SILVER SOLDER CONNECTIONS, WHERE POSSIBLE. A LIQUID LINE SOLENOID VALVE SHALL BE USED WITH TEMPERATURE CONTROLLER FOR EACH WALK_IN BOX OR FIELD ASSEMBLED EQUIPMENT.

viii. EACH SIGHT GLASS SHALL BE SPORLAN OR EQUAL, 'SEE_ALL' MOISTURE AND LIQUID INDICATOR, AND SHALL BE OF THE SAME SIZE AS THE LIQUID LINE IN WHICH IT IS INSTALLED.

ix. EACH SYSTEM SHALL CONSIST OF THE MAIN LIQUID SHUT_OFF VALVE, A SIGHT GLASS, AN EVAPORATOR LIQUID LINE SHUT_OFF VALVE, A DRIER_STRAINER. A SOLENOID VALVE IN WALK_IN COMPARTMENTS, AN EXPANSION VALVE. AN EVAPORATOR, A HEAT EXCHANGER, A SUCTION LINE SHUT_OFF VALVE, AND A CONDENSING UNIT WITH STANDARD VALVING, INCLUDING HEAD PRESSURE CONTROL VALVE AND ISOLATING HAND VALVE.

x. STRAINERS _ PROVIDE SUCTION LINE STRAINERS SELECTED FOR A PRESSURE DROP COMMENSURATE WITH THE SERVICE.

xi. ALL SYSTEMS TO BE SUPPLIED WITH OIL SEPARATORS AND DISCHARGE LINE CHECK VALVES.

p) PIPING

i. ALL PIPES SHALL BE TYPE 'L' HARD OR SOFT COPPER TUBING. TUBING SHALL BE CUT WITH PIPECUTTERS AND NOT HACKSAWS. TO BE SOLDERED WITH SILPHOS (15%). USE LONG RADIUS ELBOWS. CLEAN AND NITROGEN FLUSH ALL LINES.

ii. PIPING, AS RUN WITHIN COLD STORAGE ROOM COMPARTMENTS, SHALL BE FINISHED WITH CHROMOTONE PAINT.

iii. FOR EXPOSED AREAS OF ACCESSIBLE FURRED CEILING SPACES, HARD COPPER TUBING SHALL BE USED. TUBING AS EXPOSED SHALL BE RUN IN SUCH A MANNER AS NOT TO BE SUBJECTED TO DAMAGE BY REASON OF ACTIVITIES IN THIS AREA; OTHERWISE, TUBING SHALL BE RUN IN PIPE OR CONDUIT ALL FURNISHED AND INSTALLED BY THE FOODSERVICE EQUIPMENT CONTRACTOR.

iv. ALL PIPING TO BE SIZED TO ALLOW OIL RETURN TO COMPRESSOR.

q) INSULATION

i) REFRIGERANT SUCTION LINES OUTSIDE OF REFRIGERATED COMPARTMENTS NOT RUN IN CONDUIT SHALL BE INSULATED BACK TO COMPRESSORS WITH ARMACELL AP ARMAFLEX WHITE LAPSEAL CLOSED CELL PIPE INSULATION, OR EQUAL, APPLIED IN ACCORDANCE WITH DIRECTION OF THE MANUFACTURER. THICKNESS OF MATERIAL SHALL BE PROVIDED TO SUIT SERVICE AND AMBIENT AIR TEMPERATURE SUCH AS TO PREVENT CONDENSATION. MINIMUM THICKNESS SHALL BE 1/2" (13 MM). INSULATE FREEZER LINES TO CONDUIT. ALL INSULATION TO MEET LOCAL FIRE CODE.

r) PIPE SLEEVES

i) ALL PIPING PASSING THROUGH FLOORS SHALL BE PROVIDED WITH SLEEVES EXTENDING ENTIRELY THROUGH FLOORS AND 2" (50 MM) ABOVE FINISHED FLOOR, AND OF SUCH DIAMETER AS TO PERMIT FULL THICKNESS COVERING. ALL SLEEVES THROUGH FLOORS SHALL BE OF STANDARD WEIGHT STEEL PIPE. ALL PIPING PASSING THROUGH WALLS SHALL BE PROVIDED WITH SIMILAR SLEEVES EXTENDING ENTIRELY THROUGH WALL AND FINISHED AT EACH END WITH A CHROMIUM PLATED WALL FLANGE, NEATLY FITTED AGAINST THE WALL FINISH AND SECURELY FASTENED IN PLACE. REFRIGERANT LINES IN PIPE SLEEVES SHALL BE CAULKED AND MADE VERMIN PROOF AT BOTH ENDS OF SLEEVES.

s) TEMPERATURE CONTROL

i) TEMPERATURE CONTROL FOR COLD STORAGE ROOM COMPARTMENTS SHALL BE BY THERMOSTAT. THERMOSTAT SHALL BE LINE VOLTAGE TO OPERATE LINE VOLTAGE LIQUID LINE SOLENOID.

ii) EACH WALK_IN REFRIGERATOR ABOVE OR BELOW FREEZING SHALL BE CONTROLLED BY AN ELECTRIC THERMOSTAT.

t) HANGERS AND SUPPORTS

i) FURNISH AND INSTALL, FOR ALL PIPING NOT RUN IN CONDUIT, ADJUSTABLE HANGERS, ANCHORS, OR STRAPS, AS REQUIRED FOR PROPER SUPPORT. HANGER SPACING SHALL NOT EXCEED 10'-0" (3048 MM) ON CENTRES AND CLOSER WHERE REQUIRED FOR PROPER SUPPORT OF SMALL PIPING.

ii) INSULATED REFRIGERANT PIPING SHALL BE PROVIDED WITH APPROVED TYPE SLEEVES AT HANGER POINTS.

iii) ALL INSULATED COPPER PIPES SHALL BE ISOLATED FROM SUPPORTS BY MEANS OF FELT OR SIMILAR WRAPPING.

u) REACH IN REFRIGERATORS / FREEZERS - REMOTE AND SELF CONTAINED

i) STANDARD REACH_IN REFRIGERATORS, FABRICATED REACH_IN REFRIGERATORS, INCLUDING REFRIGERATED DRAWER SECTIONS AND ICE BINS, AND ALL INDIRECT WASTES FROM DRIP TRAYS OR OTHER SPECIAL APPLICATIONS, INCLUDING ALL FABRICATED AND MANUFACTURED ITEMS, SHALL BE SUPPLIED WITH 1" (25 MM) MINIMUM COPPER DRAIN TUBING OF SUFI-FII-CIENT LENGTH TO EXTEND TO FLOOR DRAINS WHERE REQUIRED. TUBING SHALL BE WRAPPED WITH INSULATING TAPE OF SUFFICIENT LENGTH TO PREVENT SWEATING.

ii) ADEQUATE AIR SUPPLY AND EXHAUST SHALL BE PROVIDED FOR ALL SELF_CONTAINED REFRIGERATION CONDENSING UNITS, BOTH FABRICATED AND STANDARD, AS REQUIRED FOR PROPER OPERATION.

iii) ALL REFRIGERATED COMPARTMENTS, FABRICATED AND STANDARD, SHALL BE FITTED WITH DIGITAL TYPE THERMOMETERS. THERMOMETERS SHALL BE ADJUSTABLE AND SHALL BE CALIBRATED AFTER INSTALLATION.

iv) ALL STANDARD REACH_IN REFRIGERATORS AND FREEZERS FOR REMOTE REFRIGERATION SYSTEM SHALL BE COMPLETE WITH THERMOSTATIC EXPANSION VALVES AT THE EVAPORATOR.

v) REFRIGERATOR HARDWARE FOR STANDARD AND FABRICATED REFRIGERATOR COMPARTMENTS SHALL BE HEAVY DUTY COMPONENTS. HINGES SHALL BE SELF-CLOSING. LATCHES TO BE MAGNETIC EDGEMOUNT TYPE, UNLESS SPECIFIED OR DETAILED TO THE CONTRARY.

vi) ALL COMPRESSOR UNITS, CONDENSERS, REFRIGERANTS, VALVES AND ACCESSORIES FORMING A COMPLETE SYSTEM SHALL BE SUPPLIED IN COMPLIANCE WITH CURRENT ENVIRONMENTAL PROTECTION REGULATIONS AND PROTOCOLS.

v) ACCEPTANCE TEST RUN

THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL CONDUCT A 48_HOUR PERFORMANCE TEST RUN ON EACH REFRIGERATION SYSTEM. DURING THIS PERIOD THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL CHECK THE OPERATION AND CONTROL OF THE SYSTEM, CHECK THE OPERATION OF THE ALARMS, AND SHALL RECORD THE FOLLOWING INFORMATION:

i. TEMPERATURE

ii. SUCTION PRESSURE AND CONDENSING PRESSURE SETTINGS AND OPERATING PRESSURE AT CUTOUT TEMPERATURE,

iii. ALL SYSTEMS TO BE EVACUATED TO 720 MICRON AFTER PRESSURE TESTING.

w) EQUIPMENT OR PERFORMANCE NOT MEETING SPECIFICATIONS IS TO BE MADE GOOD AT NO COST TO THE OWNER.

20) DRAFT BEER SYSTEMS

a) DRAFT BEER SYSTEMS SHALL BE AS MANUFACTURED AND DESCRIBED AS `COLD LINE' SYSTEMS, TO DELIVER DRAFT BEER IN A SEALED, REFRIGERATED AND INSULATED TRUNK LINE RUNNING WITHIN KELLY BEVWAY OR EQUAL ALUMINIUM CONDUIT, WHEN INDICATED ON THE DRAWINGS. THE REFRIGERATED SYSTEM SHALL MAINTAIN DISPENSING HEAD TEMPERATURES OF (38^{0}F) AT ALL BAR AND BEER SERVICE LOCATIONS. BEER COOLERS (SUPPLIED BY OTHERS) SHALL OPERATE AT (34^{0}F) OR AT A TEMPERATURE COMPATIBLE WITH THE SYSTEM AS RECOMMENDED BY THE SUCCESSFUL BIDDER.

b) ALL INSULATED TRUNK LINE SHALL TERMINATE AT THE DISPENSING TOWERS AND BE CONNECTED IN SUCH A MANNER AS TO ALLOW THE REFRIGERANT TO CIRCULATE THROUGH THE TOWER AND CHILL THE PRODUCT TO THE POINT OF SERVING. THE SYSTEM SHALL MAINTAIN THE CHILL FROM KEG TO POINT OF SERVICE.

c) AS INDICATED ON THE DRAWINGS, THE FACILITY IS DESIGNED TO ALLOW BULK HOLDING AND TAPPING. DISTRIBUTION IS OUTLINED ON THE DRAWINGS. BIDDERS MAY ELECT TO PROPOSE ALTERING THE DISTRIBUTION TO EFFECT ECONOMIES, WHILE MAINTAINING THE STORAGE AND MECHANICAL ROOM LOCATIONS; SUCH RECOMMENDATIONS SHALL BE CLEARLY DEFINED IN THEIR PROPOSAL.

d) ALL COMPRESSORS, POWER PACK UNITS, PUMPS, ETC., SHALL BE LOCATED IN THE AREAS PROVIDED ADJACENT TO THE WALK_IN COOLERS, AS INDICATED. THE BIDDER SHALL INCLUDE ALL NECESSARY MOUNTING BRACKETS, STANDS, SHELVES AND MISCELLANEOUS FITTINGS AND FASTENERS, TO INSTALL THE EQUIPMENT IN A SANITARY MANNER IN THIS LOCATION.

e) IT IS THIS BIDDER'S RESPONSIBILITY FOR WALK_IN COOLER WALL PENETRATIONS TO ACCOMMODATE THE BEER SYSTEM EQUIPMENT. ALL PENETRATIONS TO BE SEALED AND GROMMETED, TO ENSURE PROPER INSULATION AND SANITATION IS MAINTAINED.

f) COMPONENT PARTS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

i) *REFRIGERATION COMPRESSORS* - HERMETICALLY SEALED.

ii) *AIR COMPRESSORS AND AIR GAS BLENDERS* - OILLESS, WITH AIR PURIFICATION SYSTEM, TO ENSURE THERE WILL BE NO PRODUCT CONTAMINATION. PRIMARY REGULATORS TO BE INCLUDED FOR CO2 CYLINDERS.

iii) *INSULATED COLD TRUNK LINE* - TO BE FOAM INSULATED, SMOOTH, FLEXIBLE SHEATH PVC OR SIMILAR, ALL JOINTS SEALED AND FINISHED COMPATIBLE WITH THE MAIN TRUNKS. SHEATH TO CONTAIN THE REQUIRED PRODUCT AND TWO (2) GLYCOL LINES.

g) BEER DISPENSING TOWERS AS SPECIFIED

h) BEER DRIP PAN / GLASS SPRITZER AS SPECIFIED.

i) MANIFOLD PANEL - WITHIN THE WALK_IN COOLER PROVIDE WALL MOUNTED PANEL(S) AS REQUIRED AND INTEGRALLY MOUNT REGULATORS, GAUGES, VALVES AND FITTINGS AS REQUIRED TO INTERCONNECT TAPPED KEGS TO THE REFRIGERATED COLD LINE DELIVERY SYSTEM.

j) SECURITY - ALL SYSTEMS SHALL BE EQUIPPED WITH KEY LOCKING SECURITY. EACH INDIVIDUAL SYSTEM SHALL BE INDIVIDUALLY SECURED; TO BE OUTLINED IN THE BIDDER'S PROPOSAL.

k) KEG TAPPING - PROVIDE ALL NECESSARY REGULATORS, AIR DISTRIBUTORS (1 PER FAUCET); DROP LINES, FOAM CONTROL DEVICES (FOBS) AND OTHER REQUIRED FITTINGS TO FORM A COMPLETE AND OPERATING SYSTEM

l) CONDUIT (ALSO FOR SODA LINES) - THE BEVERAGE LINE CONDUIT SYSTEMS TO BE INSTALLED HEREUNDER SHALL BE 4", 6", 8" OR 10" AS SPECIFIED ON THE FOOD SERVICE DRAWINGS, CORROSION RESISTANT ALUMINUM CONDUIT TUBING, CONFORMING TO ASTM-B313 AND ANSI-H26, AND H35,1, AS MANUFACTURED BY KELLY BEVWAY SYSTEMS CO., OR EQUAL.

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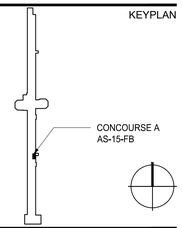

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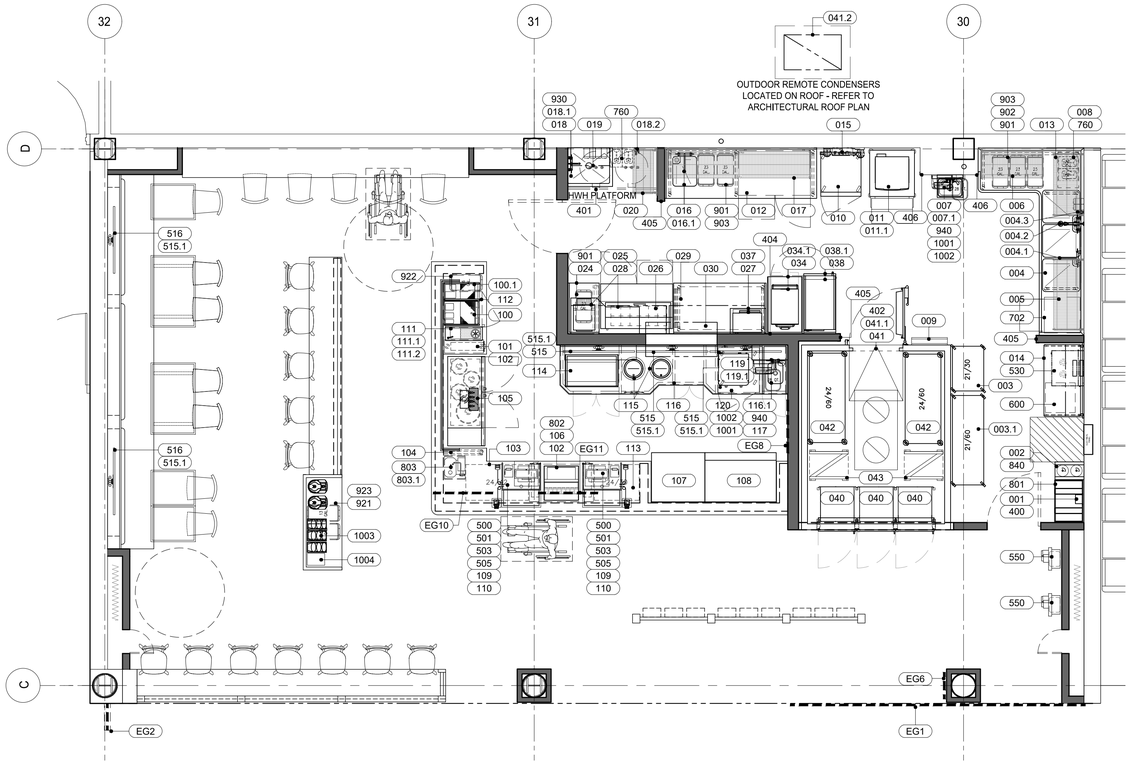

1 FS 2.0 FOOD SERVICE EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"

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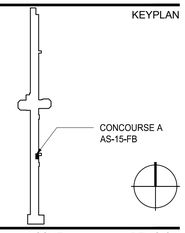

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CORNER CAFE
FS EQUIPMENT PLAN

SHEET NUMBER

FS 2.0

PROJECT NUMBER	1808

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EQUIPMENT SCHEDULE

ITEM NO	QTY	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	EQUIPMENT REMARKS	AMPS	KW	HP	VOLTS	PHASE	CYCLE	DIRECT	PLUG	NEMA	ELECTRICAL AFF (IN)	ELEC REMARKS	COLD WATER (CW)	CW PIPE SIZE (IN)	HOT WATER (HW)	HW PIPE SIZE (IN)	DIRECT DRAIN (D)	AFF (IN)	DIRECT DRAIN (D)	INDIRECT DRAIN PIPE SIZE (IN)	PLUMBING REMARKS	MBTUH	GAS SIZE (IN)	GAS (CFH)	HVAC EXHAUST (CFM)	HVAC EXHAUST DUCT SIZE (IN)	HVAC REMARKS
001	1	SODA LINE CHASE	SS FABRICATION	CUSTOM																											
002	1	GAS TANK RESTRAINT	SS FABRICATION	CUSTOM																											
003	1	DRY STORAGE SHELVING-MOBILE	INTERMETRO	SUPER ERECTA METROSEAL4 21"X30"	4 SHELVES PER BAY. 63" POSTS W/ 5" CASTERS																										
003.1	1	DRY STORAGE SHELVING-MOBILE	INTERMETRO	SUPER ERECTA METROSEAL4 21"X60"	4 SHELVES PER BAY. 63" POSTS W/ 5" CASTERS																										
004	1	L-SHAPE WARE WASHING TABLE WITH THREE COMPARTMENT SINK	SS FABRICATION	CUSTOM																					1.5	MANIFOLD WASTE TO FLOOR SINK. CONNECT TO GREASE MANAGEMENT						
004.1	1	WALL / SPLASH MOUNT FAUCET	T & S BRASS	B-0231													0.5	18	0.5	18											
004.2	1	SPLASH MOUNT PRE-RINSE W/ FAUCET	T & S BRASS	S-0133-12CRBBTP													0.5	18	0.5	18											
004.3	1	HOSE BIBB FAUCET	T&S BRASS	B-2301													0.5	12	0.5	12					MC TO PROVIDE TEMPERED RPBP PROTECTED WATER CONN. FOR HOSE BIB FAUCET						
005	1	SMARTWALL STORAGE	METRO	CUSTOM	METROSEAL 4																										
006	1	SMARTWALL STORAGE	METRO	CUSTOM	METROSEAL 4																										
007	1	WALL MOUNTED HAND SINK	ADVANCE TABCO	7-PS-66-NF																			1.5	12	DIRECT DRAIN FOR HAND SINKS. TYPICAL						
007.1	1	SPLASH MOUNT FAUCET	T & S BRASS	B-1146-04-CR	WRIST PADDLES												0.5	18	0.5	18											
008	1	CHEMICAL STORAGE SHELVING	INTERMETRO	SUPER ERECTA METROSEAL 4, 14" X 24""	1 SHELVES PER BAY, 7" POSTS																										
009	1	STAFF WATER BOTTLE HOLDER	KROWNE	RD-24																											
010	1	REACH-IN FREEZER	TRUE MFG. - GENERAL FOODSERVICE	T-23F-HC		3.7	0.4	0.5	120	1	60		X	5-15P	18																
011	1	ICE MACHINE	FOLLETT	DI10A		11.3			115	1	60		X	5-15P	72		0.375	66						0.75	C/W FROM FILTER. WASTE TO FLOOR SINK						
011.1	1	ICE BIN	FOLLETT	DEV700SG-30-LP																				1	MANIFOLD WASTE TO FLOOR SINK.						
012	1	UC REFRIGERATOR, LOW PROFILE	TRUE MFG. - GENERAL FOODSERVICE	TUC-48D-2-LP-HC		3.0	0.2		115	1	60		X	5-15P	18																
013	1	SMARTWALL STORAGE	METRO	CUSTOM	METROSEAL 4																										
014	1	MANAGER'S DESK	INTERMETRO	CR2448MGR		15.0			120	1	60		X	5-15P	18	DUPLEX RECEPTACLE. DATA. TELEPHONE																
015	1	COMBINATION WATER FILTER	EVERPURE	EV9328-06													0.75	106													
016	1	PREP TABLE W/ SINK	SS FABRICATION	CUSTOM	DRAWER, UNDERSHELF																				1.5	MANIFOLD WASTE TO FLOOR SINK. CONNECT TO GREASE MANAGEMENT						
016.1	1	DECK MOUNT FAUCET	T & S BRASS	B-0221													0.5	18	0.5	18											
017	1	SMARTWALL STORAGE	METRO	CUSTOM	METROSEAL 4																										
018	1	MOP SINK	SS FABRICATION	CUSTOM																			2	3							
018.1	1	SERVICE FAUCET	T&S BRASS	B-0665-BSTP													0.5	36	0.5	36											
018.2	1	HOSE BIBB FAUCET	T&S BRASS	B-2301													0.5	66	0.5	66					MC TO PROVIDE TEMPERED RPBP PROTECTED WATER CONN. FOR HOSE BIB FAUCET						
019	1	MOP / BROOM SHELF	SS FABRICATION	CUSTOM																											
020	1	SMARTWALL STORAGE	METRO	CUSTOM	METROSEAL 4																										
021	1	SPARE NUMBER																													
022	1	SPARE NUMBER																													
023	1	SPARE NUMBER																													
024	1	WORK TABLE	SS FABRICATION	CUSTOM																											
025	1	CONVEYOR TOASTER	HATCO	TQ-400		15.0	1.8		120	1	60		X	5-15P	60																
026	1	SALAD PREP REFRIGERATOR	TRUE MFG. - GENERAL FOODSERVICE	TSSU-48-12D-2-HC		5.8			115	1	60		X	5-15P	18																
027	1	HOT HOLDING DRAWER	MERCO	MHD225AB1N		11.1	1.3		120	1	60		X	5-15P	60																
028	1	OVERHSHELF	SS FABRICATION	CUSTOM																											
029	1	WORK TABLE	SS FABRICATION	CUSTOM																											
030	1	PASS SHELF / TRIM ASSEMBLY	SS FABRICATION	CUSTOM																											
031	1	SPARE NUMBER																													
032	1	SPARE NUMBER																													
033	1	SPARE NUMBER																													
034	2	RAPID COOK OVEN	MERRYCHEF	CONNEX 16		30.0	6.0		208	1	60		X	L6-30P	30																
						30.0	6.0		208	1	60		X	L6-30P	56																
034.1	1	MOBILE 2-TIER OVEN STAND	SS FABRICATION	CUSTOM																											
035	1	SPARE NUMBER																													
036	1	SPARE NUMBER																													
037	1	OVERHSHELF	SS FABRICATION	CUSTOM																											
038	1	ELEC. MULTI COOK OVEN (VECTOR)	ALTO-SHAAM	VMC-H3H (RH)	DELUXE CONTROLS	22.0	7.9		208	3	60		X	15-30P	54	ETHERNET. DATA PORT REQUIRED															
038.1	1	MOBILE STAND FOR VECTOR OVEN	ALTO-SHAAM	5034118																											
039	1	SPARE NUMBER																													
040	3	MERCHANDISING DISPLAY DOOR	ENERGY DOORS	PRO-E SERIES	GRAVITY FED SHELVING BAY. INTEGRAL W/ WALK-IN											SINGLE SHARED CIRCUIT FOR ALL DOOR LIGHTING																
041	1	WALK-IN COOLER	AMERIKOOLER	CUSTOM	INTEGRAL DISPLAY DOORS (040)	15.0			120	1	60	X			114	2 CIRCUITS. (1) INT. LIGHTS/THERMOMETER/ALARM. (2) DISPLAY DOOR LIGHTS																
						15.0			120	1	60	X			114																
041.1	1	CENTER MOUNT EVAPORATOR COIL	BOHN	BEC0130AST4MAB0200		1.7			120	1	60	X			96	15A CIRCUIT								0.75	WASTE TO FLOOR FUNNEL DRAIN						
041.2	1	OUTDOOR REMOTE AIR-COOLED CONDENSER	BOHN	BCH0012MACZA0000		11.3		1.2	208	1	60	X			TBC	MCA=20.0A - MOPD=25.0A - AIR DEFROST															
042	2	WALK-IN SHELVING-MOBILE	INTERMETRO	SUPER ERECTA PRO-NK3. 24"X60"	4 SHELVES PER BAY. 63" POSTS W/ 5" CASTERS																										
043	2	MOBILE Z RACK	WINCO	AWZK-20																											
100	1	ESPRESSO MACHINE	EVERSYS	C2M		30.0	4.6		208	1	60		X	L6-30P	24	ETHERNET / DATA REQUIRED.	0.375	18						0.75	C/W FROM FILTER. WASTE TO FLOOR SINK						
100.1	1	MILK FRIDGE COMPANION	EVERSYS	CFRIDGE		16.0	1.9		120	1	60		X	5-20P	24																
101	1	SS U/C CUP DISPENSER W/ SUPPORT LEG	SS FABRICATION	CUSTOM																											
102	1	CUP DISPENSER	DISPENSE-RITE	BFL-2																											
103	1	U/C SHELVING - 24 X 42	INTERMETRO	SUPER ERECTA METROSEAL 4	2 SHELVES, 13" STATIONARY POSTS																										
104	1	COUNTERTOP SUPPORT LEG	SS FABRICATION	CUSTOM																											
105	1	DRAFT BEER DISPENSER	KROWNE	D860L		2.2			115	1	60		X	5-15P	18									0.5	DRIP TRAY WASTE TO FLOOR SINK						
106	1	U/C SODA / CUP DISPENSER CHASSIS	SS FABRICATION	CUSTOM																											
107	1	REFRIGERATED DISPLAY CASE	STRUCTURAL CONCEPTS	NR3647RSV		10.7	1.0		120	1	60		X	5-15P	10																
108	1	NON-REFRIGERATED SERVICE CASE	STRUCTURAL CONCEPTS	NR4847DSV		0.7			120	1	60		X	5-15P	10																
109	2	UNDERMOUNT CASH DRAWER SHELF	SS FABRICATION	CUSTOM	POWER CONDITIONER																										
110	2	U/C WALL MOUNT SHELF	SS FABRICATION	CUSTOM	POWER CONDITIONER																										
111	1	DROP-IN RINSE STATION	SS FABRICATION	CUSTOM																				1.5	WASTE TO FLOOR SINK, CONNECT TO GREASE MANAGEMENT						
111.1	1	DIPPERWELL FAUCET	T&S	B-2282													0.375	18													
111.2	1	GLASS RINSER	MICRO MATIC USA	GR-15R1													0.375	18													
112	1	U/C REFRIGERATION COOLER	TRUE MFG. - GENERAL FOODSERVICE	TUC-24-HC		2.0	0.2		115	1	60		X	5-15P	18																
113	1	U/C SHELVING - 24 X 30	INTERMETRO	SUPER ERECTA METROSEAL 4	2 SHELVES, 13" STATIONARY POSTS																										
114	1	REFRIGERATED COUNTERTOP DISPLAY	VOLLRATH	RDCCB-36SS (ROCAN36)		6.1	0.7		120	1	60		X	5-15P	48																
115	2	DROP-IN SOUP RETHERM WELL	COOKTEK	SASD081-11 (678101)		7.0	0.8		120	1	60		X	5-15P	24																
116	1	WORK COUNTER W/ HAND SINK	SS FABRICATION	CUSTOM																			1.5	12	DIRECT DRAIN FOR HAND SINKS. TYPICAL						
116.1	1	HAND SINK FAUCET	T &S BRASS	B-0325-WH4	WRIST PADDLES												0.5	18	0.5	18											
117	1	SS EXTENSION BOX	SS FABRICATION	CUSTOM																											
118	1	SPARE NUMBER																													
119	1	COFFEE MACHINE	BUNN-O-MATIC	53200.0100		25.0	6.0		120/240	1	60		X	L14-30P	48	FEC TO CONFIRM & SUPPLY PLUG	0.375	48							C/W FROM FILTER						
119.1	6	1.5G THERMAL SERVER	BUNN-O-MATIC	42750.0250	54473.1000 SERVER STAND																										
120	1	U/C REFRIGERATOR	TRUE MFG. - GENERAL FOODSERVICE	TUC-27-ADA-HC		2.0			115	1	60		X	5-15P	18																
400	1	SODA LINES CONDUIT	KELLY BEVWAY	CUSTOM / 6" DIAMETER CONDUIT	BY GC																										
401	1	HOT WATER HEATER PLATFORM	TBD	TBD	BY GC																										
402	1	ENCLOSURE PANELS FOR WALK-IN COOLER	TBD	TBD	BY GC																										
404	1	COOKLINE WALL CLADDING	SS FABRICATION	CUSTOM	BY GC																										
405	3	WALL END CAP	SS FABRICATION	CUSTOM																											
406	2	CORNER GUARD	SS FABRICATION	CUSTOM																											
500	2	POS	TBD	TBD	BY OWNER	1.0			120	1	60		X	5-15P	24	DEDICATED SHARED CIRCUIT / DATA REQ'D																
501	4	CASH DRAWER	TBD	TBD	BY OWNER																										
503	2	RECEIPT PRINTER	TBD	TBD	BY OWNER	1.0			120	1	60		X	5-15P	24	DEDICATED SHARED CIRCUIT / DATA REQ'D																
505	2	PIN PAD W/ PEDESTAL	TBD	TBD	BY OWNER	1.0			120	1	60		X	5-15P	24	DEDICATED SHARED CIRCUIT / DATA REQ'D																
515	3	DIGITAL SIGNAGE SCREENS (MENU BOARDS) - 55" LANDSCAPE	SAMSUNG	QM55C	BY OWNER	15.0			120	1	60		X	5-15P	105	DEDICATED CIRCUIT / DATA REQ'D																
515.1	5	BRACKET - 55" MENU BOARD	B-TECH	BTV511	BY OWNER																										
516	2	DIGITAL SIGNAGE SCREENS (MENU BOARDS) - 55" LANDSCAPE	SAMSUNG	QM55C	BY OWNER	15.0			120	1	60		X	5-15P	100	DEDICATED CIRCUIT / DATA REQ'D																
530	1	IT RACK	TRIPP-LITE	SRW18US	BY OWNER	15.0			120	1	60		X	5-15P	110	DEDICATED (2X) QUAD RECEPTACLES, CAT5 OR 6 AS REQ'D.																
						15.0			120	1	60		X	5-15P	110																
550	2	SELF-ORDER KIOSK	ACRELEC	K27 LITE	BY OWNER	15.0			120	1	60		X	5-15P	28	DEDICATED CIRCUIT, CAT5 OR 6 AS REQ'D																
600	1	SAFE	BLUEDOT	FRONT LOAD HOPPER	BY OWNER																										
702	1	U/C HIGH TEMP DISHWASHER	ECOLAB	E-LHT WITH CASTER SET	BY OWNER. LOW PROFILE ROLLER KIT	33.0			208	1	60		X	6-50P	18	40A CIRCUIT. EC TO PROVIDE CORD, PLUG AND RECEPTACLE TO SUIT.				0.5	18			1	WASTE TO FLOOR SINK						
760	2	CHEMICAL DISPENSING SYSTEM	VARIES	VARIES	BY OWNER																					WATER CONN. FROM HOSE BIBB FAUCET						
801	1	SODA BIB RACK	MBS	B-2-2W-TPM-SHUR	BY SODA PURVEYOR (OWNER)	15.0			120	1	60		X	5-15P	54	(2X) QUAD RECEPTACLES, SINGLE SHARED CIRCUIT.																
802	1	SERVICE BEVERAGE DISPENSER / ICE BIN	LANCER	ICD 2300 STD		15.0			115	1	60		X	5-15P	18									0.75	WASTE TO FLOOR SINK						
803	1	CARBONATOR	MCCANN'S	BIG MAC - E400397	BY SODA PURVEYOR (OWNER)	6.5		0.3	115	1	60		X	5-15P	12		0.375	12							C/W FROM FILTER						
803.1	1	CARBONATOR SHELF	MCCANN'S	16-1480	BY SODA PURVEYOR (OWNER)																										
840	2	BEVERAGE GAS TANK	TBD	TBD	BY OWNER																										
901	3	WASTE - SLIM JIM - TALL	RUBBERMAID COMMERCIAL	FG354060BLA	BY OWNER																										
902	1	RECYCLE - SLIM JIM - TALL	RUBBERMAID COMMERCIAL	1956185 (BLUE)																											
903	2	COMPOST - SLIM JIM - TALL	RUBBERMAID COMMERCIAL	1956186 (GRN)																											
921	1	WASTE - SLIM JIM - SHORT	RUBBERMAID COMMERCIAL	2026696 (BLA)																											
922	1	COMPOST - SLIM JIM - SHORT	RUBBERMAID COMMERCIAL	1955960 (GRN)																											
923	1	RECYCLE - SLIM JIM - SHORT	RUBBERMAID COMMERCIAL	2026699 (BLUE)																											
930	1	MOP BUCKET	RUBBERMAID COMMERCIAL	TBD																											
940	2	WASTE CONTAINER - SMALL	RUBBERMAID COMMERCIAL	FG295600BLA	BY OWNER																										
1001	2	WALL MOUNT SOAP DISPENSER	ECOLAB	TBD	BY OWNER																										
1002	2	WALL MOUNT PAPER TOWEL DISPENSER	ECOLAB	TBD	BY OWNER											BATTERY POWERED															
1003	3	CONDIMENT FRAME	CAL-MIL	1747-3-13	BY OWNER - 1017-SOLID STAINLESS CYLINDERS																										
1004	1	NAPKIN DISPENSER	VOLLRATH	2934199990	BY OWNER																										
EG1	1	ILLUMINATED STOREFRONT SIGN	GRAPHIC CONTRACTOR	CUSTOM	4000K LED. TIMER SYSTEM BY EC	3.0			120	1	60	X			114	EC TO PROVIDE DISCONNECT SWITCH AS REQUIRED																
EG2	1	ILLUMINATED BLADE SIGN	GRAPHIC CONTRACTOR	CUSTOM	4000K LED. TIMER SYSTEM BY EC	1.0			120	1	60	X			114	EC TO PROVIDE DISCONNECT SWITCH AS REQUIRED																
EG6	1	ILLUMINATED "BAKERY" SIGN	GRAPHIC CONTRACTOR	CUSTOM	4000K LED. TIMER SYSTEM BY EC	1.0			120	1	60	X			70	EC TO PROVIDE DISCONNECT SWITCH AS REQUIRED																
EG8	1	ILLUMINATED "WALL EMBLEM" SIGN	GRAPHIC CONTRACTOR	CUSTOM	5500K LED. TIMER SYSTEM BY EC	2.0			120	1	60	X			84	EC TO PROVIDE DISCONNECT SWITCH AS REQUIRED																
EG10	1	ILLUMINATED "PICK-UP" SIGN	GRAPHIC CONTRACTOR	CUSTOM	4000K LED. TIMER SYSTEM BY EC	1.0			120	1	60	X			CLG	EC TO PROVIDE DISCONNECT SWITCH AS REQUIRED																
EG11	1	ILLUMINATED "ORDER" SIGN	GRAPHIC CONTRACTOR	CUSTOM	4000K LED. TIMER SYSTEM BY EC	1.0			120	1	60	X			CLG	EC TO PROVIDE DISCONNECT SWITCH AS REQUIRED																
	TBD	CENTRALIZED GREASE INTERCEPTOR			BY MC																										
	TBD	FLOOR DRAIN			BY MC																										
	TBD	FLOOR SINK			BY MC																										
	TBD	FLOOR FUNNEL DRAIN			BY MC																										
	TBD	TELEPHONE			BY EC																										
	3	MISC. KITCHEN EQUIPMENT			BY EC	15.0			120							@ ELECTRICAL PANEL FOR FUTURE EQUIPMENT																
	1	MISC. KITCHEN EQUIPMENT			BY EC	30.0			208							@ ELECTRICAL PANEL FOR FUTURE EQUIPMENT																
	TBD	CONVENIENCE OUTLETS (CVO)			BY EC. REFER TO FS 5.0 FOR PROPOSED LOCATIONS																										

- SERVICES NOTED DENOTE LOADS FOR EQUIPMENT SPECIFIED.
- APPLICABLE TRADES ARE TO REFER TO FEC SUPPLIED SHOP DRAWINGS AND BROCHURES FOR ACCURATE SERVICE INFORMATION AND CONNECTION POINTS.
- THE INTENT OF THIS DRAWING IS TO INDICATE APPROXIMATE CONNECTION POINTS TO EQUIPMENT - NO ROUGHING IN IS TO BE DONE FROM THESE DRAWINGS.
- REFER TO FEC MECHANICAL AND/OR ELECTRICAL ROUGH-IN DRAWINGS.
- REFER TO ENGINEER'S DRAWINGS FOR SUPPLY SERVICES, GREASE INTERCEPTOR, ETC.
- ALL RPBP DEVICES AS REQUIRED BY CODE ARE TO BE SUPPLIED BY THE MECHANICAL CONTRACTOR. REFER TO LOCAL CODES FOR REQUIREMENTS.
- BTU LOADS INDICATED ARE APPROXIMATE. FINAL DESIGN AND LOAD DATA TO BE CONFIRMED BY REFRIGERATION CONTRACTOR.
- REFER TO FS 5.0 FOR CONVENIENCE OUTLETS (CVO) LOCATIONS AND MOUNTING HEIGHTS.

1 / FS 3.0 FOOD SERVICE EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

NOT FOR CONSTRUCTION

DRAWING DISCLAIMER: THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, INTERIOR DESIGN, FOOD SERVICE, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL DRAWINGS AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

THIS DRAWING SHOULD ALSO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL MASTER SPECIFICATION, FOOD SERVICE SPECIFICATION AND ENVIRONMENTAL GRAPHICS SPECIFICATION AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

FOODSERVICE CONSULTANTS SOCIETY INTERNATIONAL — PAR BAIN FCS 9506768 — PROFESSIONAL MEMBER

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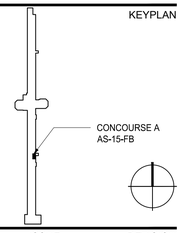
KEYPLAN



DATE	ISSUE	REVISION
2025.07.10	30% CLIENT REVIEW	
2025.07.16	CLIENT REVIEW	
2025.08.15	30% AIRPORT REVIEW	
2025.10.20	COORDINATION	
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.02.24	90% COORDINATION REVIEW	
2026.03.24	100% AIRPORT REVIEW	

This drawing must not be scaled. The General Contractor shall verify all dimensions on site prior to commencement of work. All errors omissions to be reported immediately to the Designer. Variations & modifications to work shown on these drawings shall not be carried out without written permission from the Designer. This drawing is the exclusive property of the Designer and can be reproduced only with the permission of the Designer in which case the reproduction must bear their name.

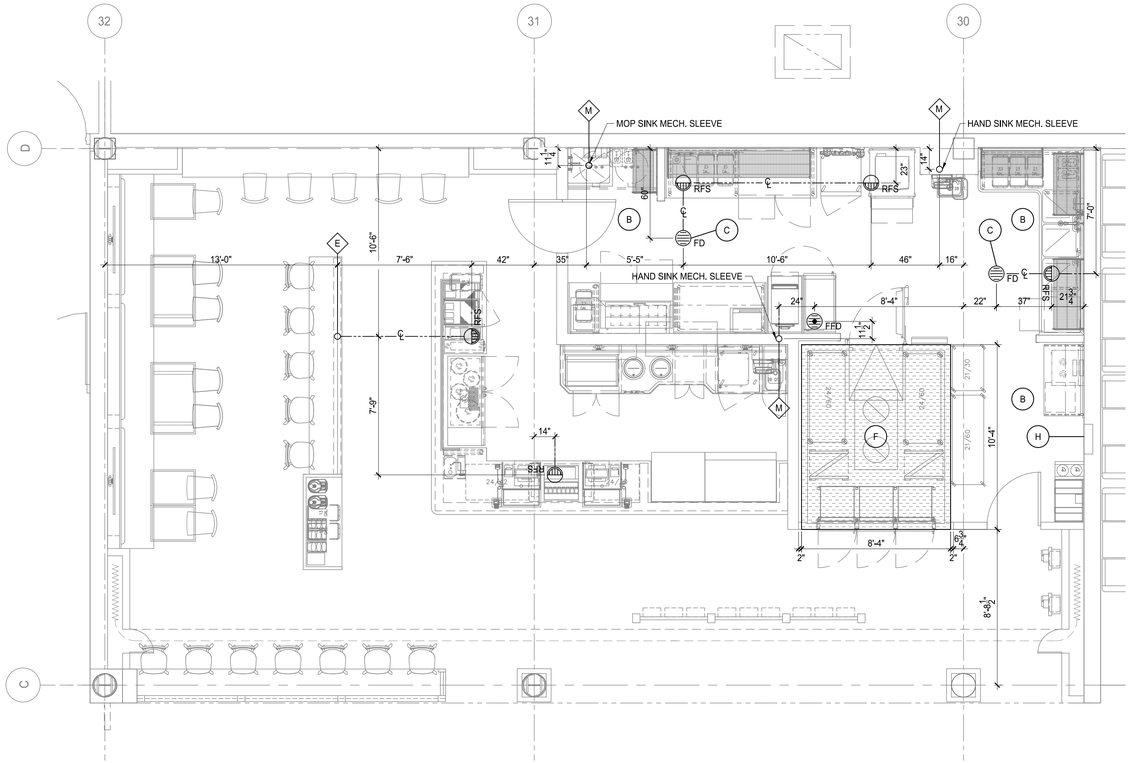
ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
FS EQUIPMENT SCHEDULE

SHEET NUMBER

FS 3.0

PROJECT NUMBER 1808

smart



1 / FS 4.0 FOOD SERVICE - SLAB PENETRATIONS / WALK-IN COOLER
SCALE: 1/4" = 1'-0"

FS KEY NOTES

SYMBOL	DESCRIPTION
A	EQUIPMENT ON CHANNEL BASE, BASE TO BE INSTALLED IN ADVANCE OF WATER PROOF MEMBRANE AND FLOORING - REFER TO FINISH PLAN AND FF&E FOR ADDITIONAL INFORMATION
B	FLOORING (TILE OR SAFETY FLOOR AS SPECIFIED) TO COVE UP EQUIPMENT BASES, WATER PROOF MEMBRANE TO BE APPLIED 6" UP ON ALL BASES AND PERIMETER WALLS PRIOR TO TILE / SAFETY FLOOR INSTALLATION, CONCRETE BOARD TO RUN 48" AFF THROUGHOUT ENTIRE BOH AREA - REFER TO CONSTRUCTION PLANS AND FF & E FOR ADDITIONAL DETAILS
C	FLOORS TO BE SLOPED TO AREA FLOOR DRAINS - TYPICAL
D	NOT USED
E	LIMITED COMBUSTIBLE WALL CONSTRUCTION
F	WALK-IN COOLER AT THIS LOCATION
G	IT RACK AT THIS LOCATION, T-BAR CEILING TILES TO BE OMITTED ABOVE RACK FOR CORD ACCESS
H	ELECTRICAL PANEL BOXES AND ALL ASSOCIATED CONDUIT TO BE RECESSED AND RUN WITHIN WALL CAVITY

FS ARCH. HATCH

- EQUIPMENT BASE / DIE WALL / SERVICE CHASE
- NON COMBUSTIBLE WALL CONSTRUCTION
- NOT USED
- WALK-IN COOLERS AND FREEZERS

MECHANICAL REQUIREMENTS LEGEND

SYMBOL	DESCRIPTION
	WASTE
	GAS
	HOT WATER CONNECTION LOCATION
	COLD WATER CONNECTION LOCATION
	TEMPERED WATER CONNECTION LOCATION
FD	FLOOR DRAIN LOCATION - WASTE TO GREASE WASTE LINE
FFD	FUNNEL FLOOR DRAIN LOCATION - WASTE TO GREASE WASTE LINE UNLESS OTHERWISE SPECIFIED
RFS	ROUND FLOOR SINK LOCATION - WASTE TO GREASE WASTE LINE UNLESS OTHERWISE SPECIFIED
FS	SQUARE FLOOR SINK LOCATION - WASTE TO GREASE WASTE LINE UNLESS OTHERWISE SPECIFIED
	HUB DRAIN LOCAITON - WASTE TO SANITARY WASTE LINE UNLESS OTHERWISE SPECIFIED
M	MECHANICAL SLEEVE IN WALL OR SERVICE CHASE - WASTE TO SANITARY WASTE LINE UNLESS OTHERWISE SPECIFIED

NOT FOR CONSTRUCTION

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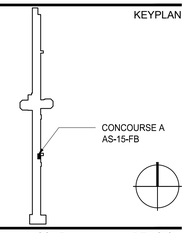

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2025.10.20	COORDINATION	
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
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ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
FS PENETRATIONS & WALK-IN COOLER

SHEET NUMBER

FS 4.0

PROJECT NUMBER	1808

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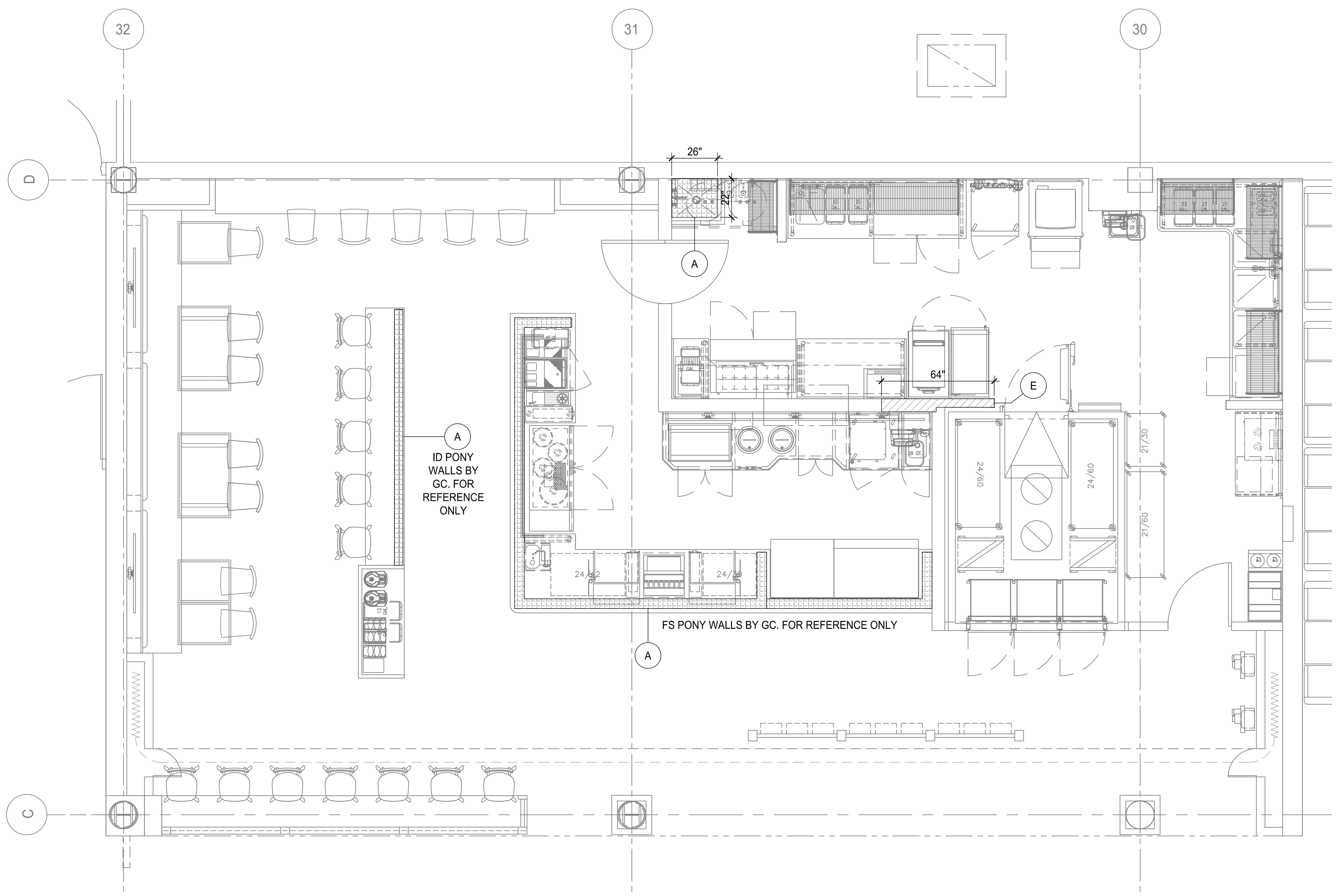

1
FS 4.1
FOOD SERVICE - CURBS & PONY WALLS
SCALE: 1/4" = 1'-0"

FS KEY NOTES

SYMBOL	DESCRIPTION
A	EQUIPMENT ON CHANNEL BASE, BASE TO BE INSTALLED IN ADVANCE OF WATER PROOF MEMBRANE AND FLOORING - REFER TO FINISH PLAN AND FF&E FOR ADDITIONAL INFORMATION
B	FLOORING (TILE OR SAFETY FLOOR AS SPECIFIED) TO COVE UP EQUIPMENT BASES. WATER PROOF MEMBRANE TO BE APPLIED 6" UP ON ALL BASES AND PERIMETER WALLS PRIOR TO TILE / SAFETY FLOOR INSTALLATION. CONCRETE BOARD TO RUN 48" AFF THROUGHOUT ENTIRE BOH AREA - REFER TO CONSTRUCTION PLANS AND FF & E FOR ADDITIONAL DETAILS
C	FLOORS TO BE SLOPED TO AREA FLOOR DRAINS - TYPICAL
D	NOT USED
E	LIMITED COMBUSTIBLE WALL CONSTRUCTION
F	WALK-IN COOLER AT THIS LOCATION
G	IT RACK AT THIS LOCATION. T-BAR CEILING TILES TO BE OMITTED ABOVE RACK FOR CORD ACCESS
H	ELECTRICAL PANEL BOXES AND ALL ASSOCIATED CONDUIT TO BE RECESSED AND RUN WITHIN WALL CAVITY

FS ARCH. HATCH

- EQUIPMENT BASE / DIE WALL / SERVICE CHASE
- NON COMBUSTIBLE WALL CONSTRUCTION
- NOT USED
- WALK-IN COOLERS AND FREEZERS

NOT FOR CONSTRUCTION

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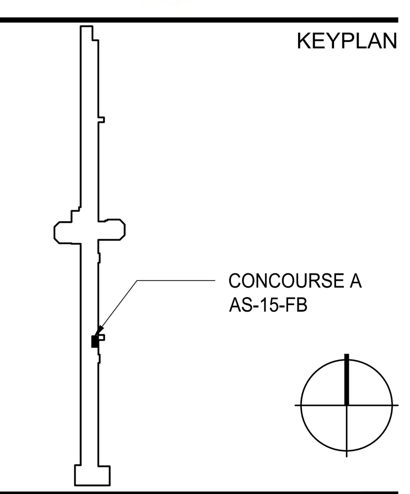

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CORNER CAFE
FS CURBS
& PONY WALLS

SHEET NUMBER

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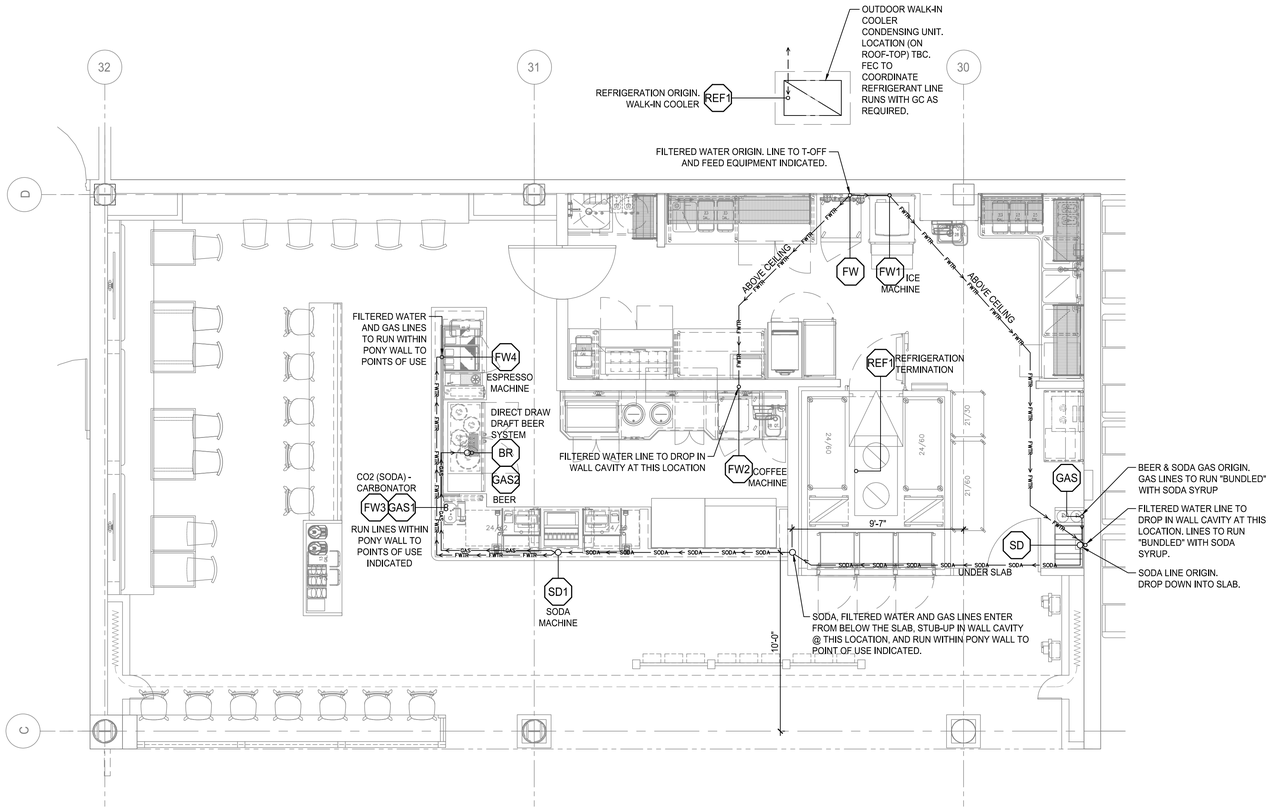

1 FS 4.2 FOOD SERVICE LINE RUNS
SCALE: 1/4" = 1'-0"

FS LINES

SODA TRUNK LINES	SODA SODA SODA SODA
FILTERED WATER LINES	FWTR FWTR FWTR FWTR
BEER LINES IN CONDUIT	BEER BEER BEER
BEER GAS / CO_2 LINES	GAS GAS GAS

NOTE: LINE RUNS INDICATED ARE SCHEMATIC IN NATURE. MECHANICAL AND GENERAL CONTRACTOR TO DETERMINE ACTUAL LINE RUN POSITIONS, DROPS AND STUB-UPS AS REQUIRED BASED ON MECHANICAL, ELECTRICAL AND ARCHITECTURAL SITE CONDITIONS AND PLANS

FS ARCHITECTURAL KEY NOTES

SYMBOL	DESCRIPTION
SD	SODA LINES, ORIGIN POINTS AND TERMINATION POINTS.
FW	FILTERED WATER LINES, ORIGIN POINTS AND TERMINATION POINTS.
BR	BEER LINES, ORIGIN POINTS AND TERMINATION POINTS.
REF	REFRIGERATION LINES (LIQUID AND SUCTION), ORIGIN POINTS AND TERMINATION POINTS. LINES TO RUN AS REQUIRED BY REFRIGERATION CONTRACTOR.
GL	GLYCOL LINES (SUPPLY AND RETURN), ORIGIN POINTS AND TERMINATION POINTS. LINES TO RUN AS REQUIRED.
GAS	BEER / CO_2 GAS LINE ORIGIN POINT AND TERMINATION POINTS. LINES TO RUN AS REQUIRED.

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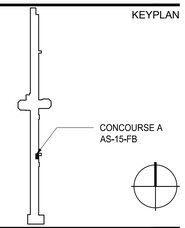

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FS LINE RUNS

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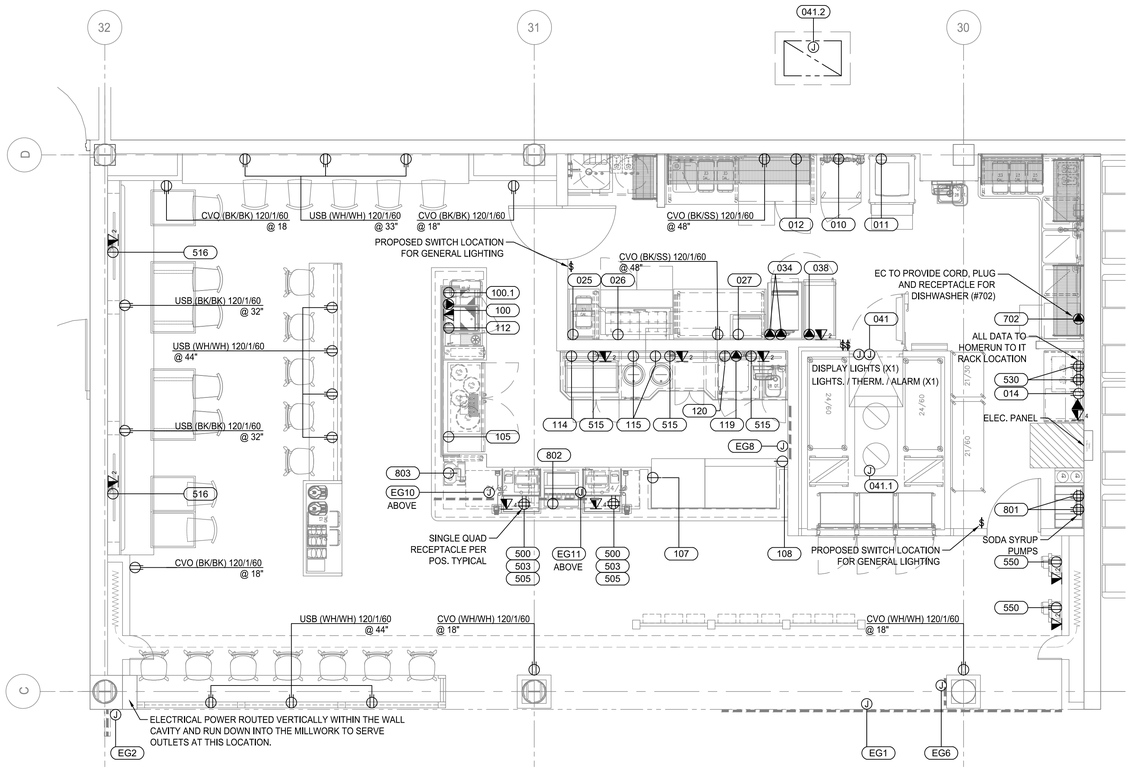

1 / FS 5.0 FOOD SERVICE ELECTRICAL REQ'TS.
SCALE: 1/4" = 1'-0"

ELECTRICAL REQUIREMENTS LEGEND

SYMBOL	DESCRIPTION
	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE
	QUAD RECEPTACLE
	SINGLE RECEPTACLE (208V)
J	JUNCTION BOX
	DROP CORD
	RECESSED FLOOR RECEPTACLE - DUPLEX
	RECESSED FLOOR RECEPTACLE - QUAD
$	GENERAL LIGHTING SWITCH
$D	LIGHT SWITCH W/ DIMMER
$3	3 WAY LIGHT SWITCH
	TELEPHONE LOCATION
2	VOICE/DATA OUTLET, NUMBER DENOTES QUANTITY OF CAT6 CABLE FROM IT RACK (WITHIN TENANT SPACE) TO POINT OF USE
TELEPHONE @ + XX"	TELEPHONE ROUGH-IN HT. AFF
CVO (AA/BB) 120/1/60 @ XX"	CONVENIENCE OUTLET LEVITON DECORA SERIES OR APPROVED EQUAL. -AA DESIGNATES COLOR OF DEVICE. -BB DESIGNATES COLOR / FINISH OF METAL COVER PLATE. -XX DESIGNATES HEIGHT ABOVE FINISHED FLOOR.
USB (AA/BB) 120/1/60 @ XX"	COMBINATION DUPLEX OUTLET AND USB CHARGING STATION. HUBBELL USB20AC5 SERIES OR APPROVED EQUAL. -AA DESIGNATES COLOR OF DEVICE. -BB DESIGNATES COLOR / FINISH OF METAL COVER PLATE. -XX DESIGNATES HEIGHT ABOVE FINISHED FLOOR.
SWITCH (AA/BB) @ XX"	SWITCH LOCATION. LEVITON DECORA SERIES OR APPROVED EQUAL. -AA DESIGNATES COLOR OF DEVICE. -BB DESIGNATES COLOR / FINISH OF METAL COVER PLATE. -XX DESIGNATES HEIGHT ABOVE FINISHED FLOOR.
E	ELECTRICAL SERVICE SLEEVE
C	360° SECURITY CAMERA, & FUTURE SECURITY CAMERA - PREWIRE ONLY
FC	FIXED SECURITY CAMERA, & FUTURE SECURITY CAMERA - PREWIRE ONLY

FOH DEVICE / COVER - COLOR LEGEND

(AA) DEVICE (OUTLET / SWITCH)	(BB) METAL COVER PLATE
WHITE - WH GRAY - GY BLACK - BK BROWN - BR IVORY - IV	WHITE - WH GRAY - GY BLACK - BK BROWN - BR IVORY - IV STAINLESS STEEL - SS CUSTOM FINISH - OO

BOH DEVICE / COVER - COLOR LEGEND

ALL BOH 120 VOLT OUTLETS AND SWITCHES TO BE LEVITON DECORA SERIES WHITE WITH STAINLESS STEEL COVER PLATES UNLESS OTHERWISE SPECIFIED

208 VOLT AND OTHER SPECIAL RECEPTACLES TO BE BLACK WITH STAINLESS STEEL COVER PLATES

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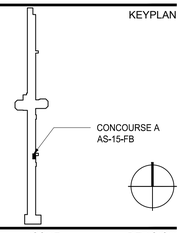

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AS-15-FB
CORNER CAFE
FS ELEC. REQUIREMENTS

SHEET NUMBER

FS 5.0

PROJECT NUMBER	1808

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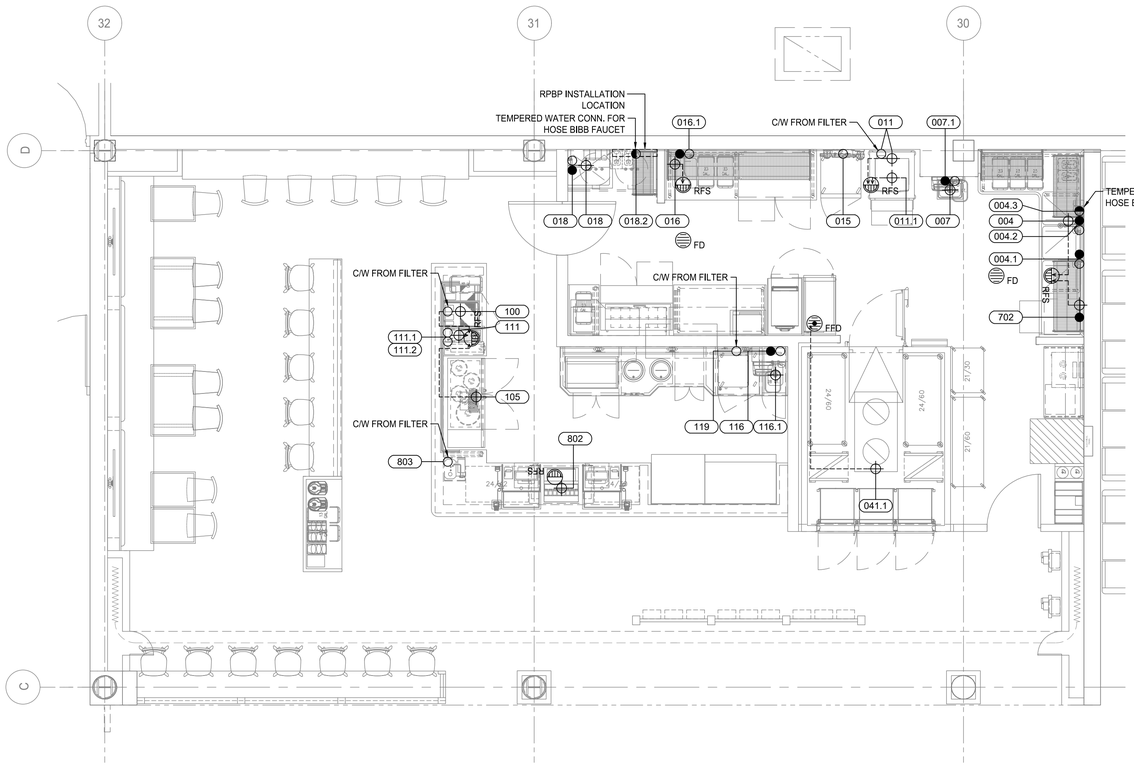
MECHANICAL REQUIREMENTS LEGEND

SYMBOL	DESCRIPTION
	WASTE
	GAS
	HOT WATER CONNECTION LOCATION
	COLD WATER CONNECTION LOCATION
	TEMPERED WATER CONNECTION LOCATION
FD	FLOOR DRAIN LOCATION - WASTE TO GREASE WASTE LINE
FFD	FUNNEL FLOOR DRAIN LOCATION - WASTE TO GREASE WASTE LINE UNLESS OTHERWISE SPECIFIED
RFS	ROUND FLOOR SINK LOCATION - WASTE TO GREASE WASTE LINE UNLESS OTHERWISE SPECIFIED
FS	SQUARE FLOOR SINK LOCATION - WASTE TO GREASE WASTE LINE UNLESS OTHERWISE SPECIFIED
	HUB DRAIN LOCAITON - WASTE TO SANITARY WASTE LINE UNLESS OTHERWISE SPECIFIED
M	MECHANICAL SLEEVE IN WALL OR SERVICE CHASE - WASTE TO SANITARY WASTE LINE UNLESS OTHERWISE SPECIFIED



1 / FS 6.0 FOOD SERVICE MECHANICAL REQ'TS.
SCALE: 1/4" = 1'-0"

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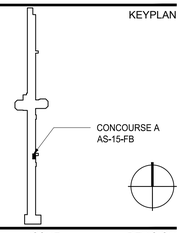

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FS MECH. REQUIREMENTS

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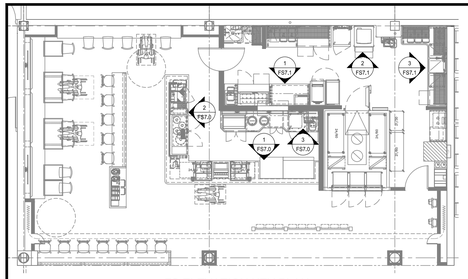
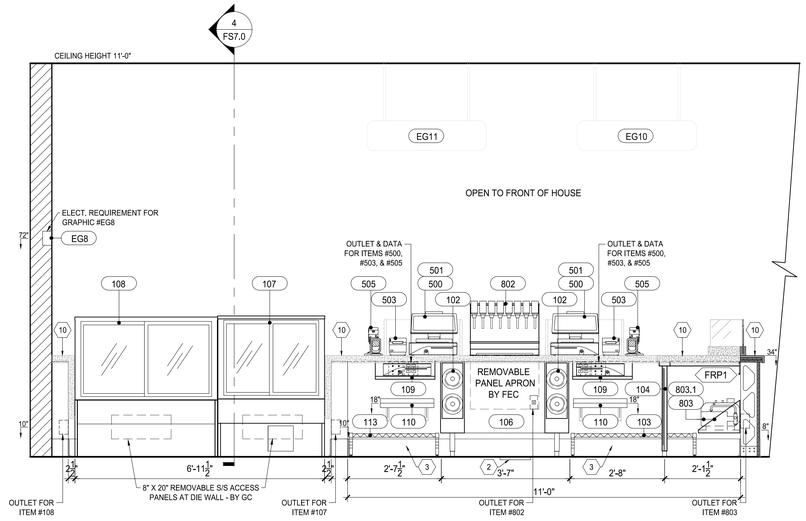
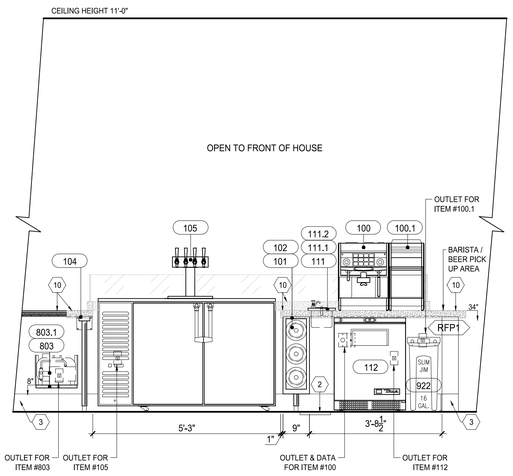


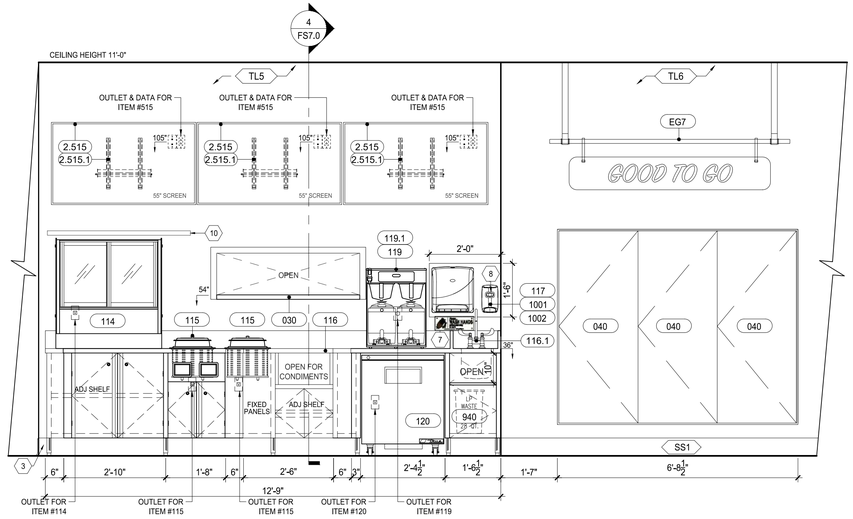
FS ELEVATION KEY PLAN



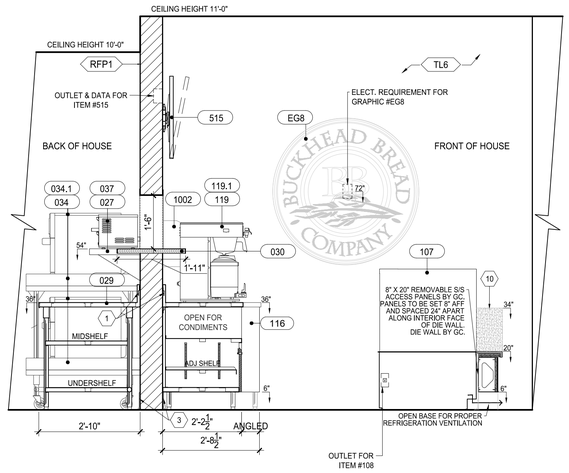
1 FS 7.0 FOOD SERVICE ELEVATION - POS COUNTER FOH
SCALE: 1/2" = 1'-0"



2 FS 7.0 FOOD SERVICE ELEVATION - FOH COUNTER
SCALE: 1/2" = 1'-0"



3 FS 7.0 FOOD SERVICE ELEVATION - BACK FOH COUNTER
SCALE: 1/2" = 1'-0"



4 FS 7.0 FOOD SERVICE SECTION - PASS THRU
SCALE: 1/2" = 1'-0"

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FS ELEVATIONS KEY NOTES

SYMBOL	DESCRIPTION
1	Z STRIP TO WALL
2	FLOOR SINK AT THIS LOCATION
3	COVE QUARRY TILE BASE TO BE APPLIED TO ALL WALL SURFACES. TYPICAL - BY GC
4	PRE RINSE ASSEMBLY - FACE OF SPRAY NOZZLE TO BE 2" ABOVE FLOOD PLAIN OF SINK
5	DRAIN TUBE HOLDERS - BY FEC
6	NOT USED
7	SIGN INSTRUCTING EMPLOYEES TO WASH HANDS BEFORE RETURNING TO WORK GRAINGER MODEL #38J033 TO BE INSTALLED ABOVE HAND WASH SINK
8	SOAP AND PAPER TOWEL DISPENSER BY OWNER
9	SS ANGLE SUPPORT BRACKET - BY GC
10	MILLWORK SHOWN FOR REFERENCE ONLY - REFER TO ID DRAWINGS FOR DETAILS
11	SOAP SOLUTION STORAGE JUGS - BY OWNERS / SOAP SOLUTION VENDORS
12	NOT USED
13	SS APRON PANEL BY FEC

GC TO PROVIDE WALL BLOCKING TO SUPPORT ALL WALL MOUNTED FIXTURES AND EQUIPMENT. REFER TO ELEVATIONS PROVIDED. BLOCKING TO COMPLY WITH ALL CODE REQUIREMENTS. GC RESPONSIBLE TO COORDINATE THROUGH ALL DRAWINGS, PLANS AND ELEVATIONS

FINISH LEGEND

SYMBOL	DESCRIPTION
#	REFER TO ID 4.0 FOR DETAILS.

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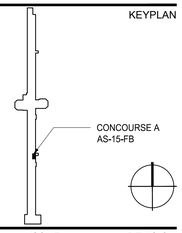

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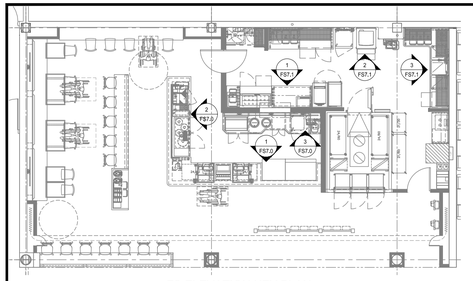
ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE
FOOD SERVICES
ELEVATIONS & SECTIONS

SHEET NUMBER

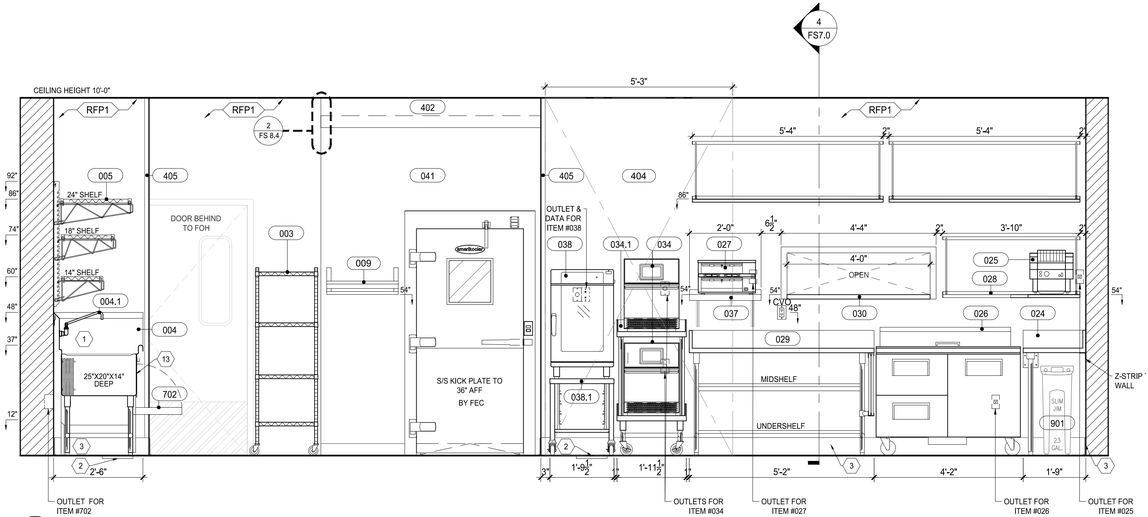
FS 7.0

PROJECT NUMBER	1808

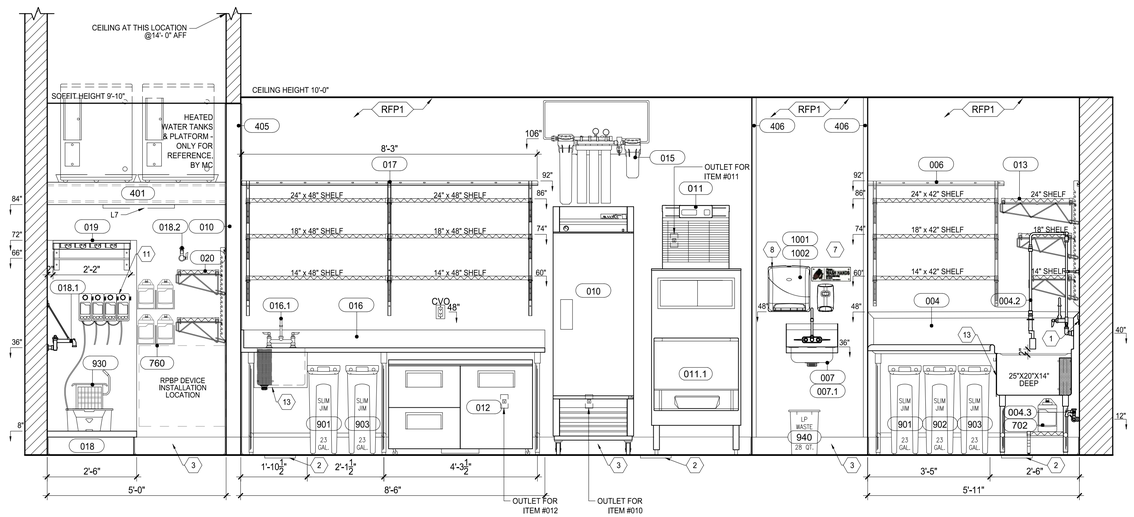
smart



FS ELEVATION KEY PLAN



1 FS 7.1 FOOD SERVICE ELEVATION - BOH COOKLINE
SCALE: 1/2" = 1'-0"



2 FS 7.1 FOOD SERVICE ELEVATION - BOH MOP SINK & PREP AREA
SCALE: 1/2" = 1'-0"

3 FS 7.1 FOOD SERVICE ELEVATION - BOH DISH AREA
SCALE: 1/2" = 1'-0"

FS ELEVATIONS KEY NOTES

SYMBOL	DESCRIPTION
1	Z STRIP TO WALL
2	FLOOR SINK AT THIS LOCATION
3	COVE QUARRY TILE BASE TO BE APPLIED TO ALL WALL SURFACES, TYPICAL - BY GC
4	PRE RINSE ASSEMBLY - FACE OF SPRAY NOZZLE TO BE 2" ABOVE FLOOD PLAIN OF SINK
5	DRAIN TUBE HOLDERS - BY FEC
6	NOT USED
7	SIGN INSTRUCTING EMPLOYEES TO WASH HANDS BEFORE RETURNING TO WORK GRAINGER MODEL #38J033 TO BE INSTALLED ABOVE HAND WASH SINK
8	SOAP AND PAPER TOWEL DISPENSER BY OWNER
9	SS ANGLE SUPPORT BRACKET - BY GC
10	MILLWORK SHOWN FOR REFERENCE ONLY - REFER TO ID DRAWINGS FOR DETAILS
11	SOAP SOLUTION STORAGE JUGS - BY OWNERS / SOAP SOLUTION VENDORS
12	NOT USED
13	SS APRON PANEL BY FEC

GC TO PROVIDE WALL BLOCKING TO SUPPORT ALL WALL MOUNTED FIXTURES AND EQUIPMENT. REFER TO ELEVATIONS PROVIDED. BLOCKING TO COMPLY WITH ALL CODE REQUIREMENTS. GC RESPONSIBLE TO COORDINATE THROUGH ALL DRAWINGS, PLANS AND ELEVATIONS

FINISH LEGEND

SYMBOL	DESCRIPTION
#	REFER TO ID 4.0 FOR DETAILS.

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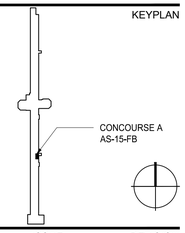

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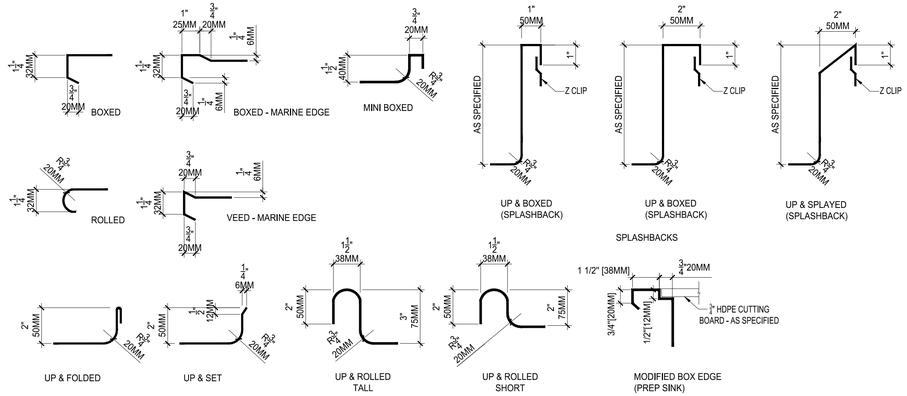

1 FS 8.0 FS TYP. DETAIL - SS EDGES

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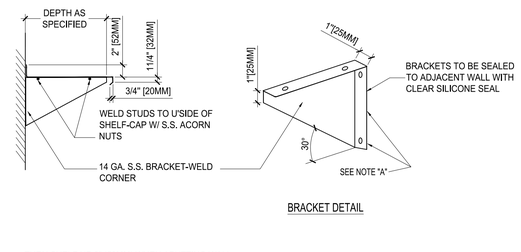
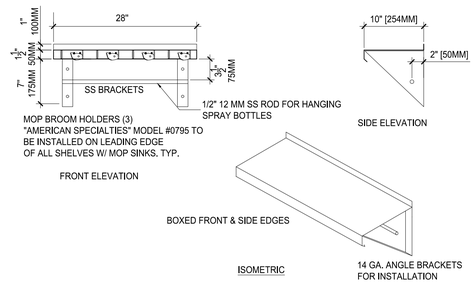


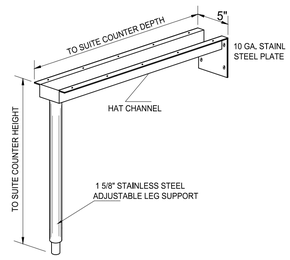
2 FS 8.0 FS TYP. DETAIL - SS WALL END CAP

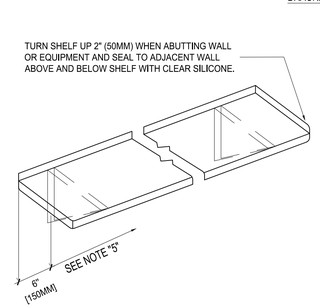
SCALE: 3" = 1 '- 0"



3 FS 8.0 FS TYP. DETAIL - SS CORNER GUARD

SCALE: 3" = 1 '- 0"





NOTES:

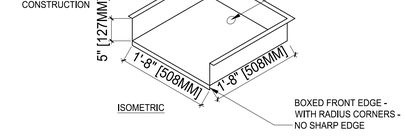
1. ALL EXPOSED CORNERS TO HAVE ¼"(6MM) RADIUS - NO SHARP EDGES
2. SHELVES LESS THAN 48" IN LENGTH TO BE 14 GAUGE STAINLESS STEEL
3. SHELVES MORE THAN 48" IN LENGTH TO BE 14 GAUGE STAINLESS STEEL
4. EXTRA DEEP SHELVES TO HAVE SUPPORT CHANNEL RUNNING LENGTH OF SHELF TO PREVENT OIL CANNING
5. MAXIMUM SPACING BETWEEN BRACKETS NOT TO EXCEED 42" (1050MM) - VERIFY WALL CONDITION & SECURE BRACKETS TO SAME WITH A MINIMUM OF TWO (2) APPROPRIATE FASTENERS TO SUPPORT HEAVY LOADS

4 FS 8.0 FS TYP. DETAIL -SS WALL MOUNT OVERSHELF

SCALE: 1" = 1 '- 0"

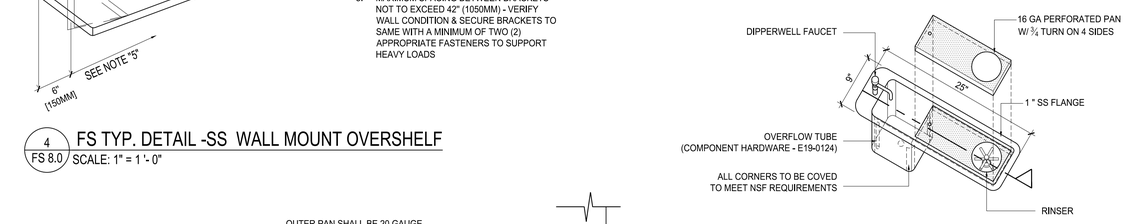
5 FS 8.0 FS TYP. DETAIL - SS MOP / BROOM SHELF

SCALE: 1" = 1' - 0"



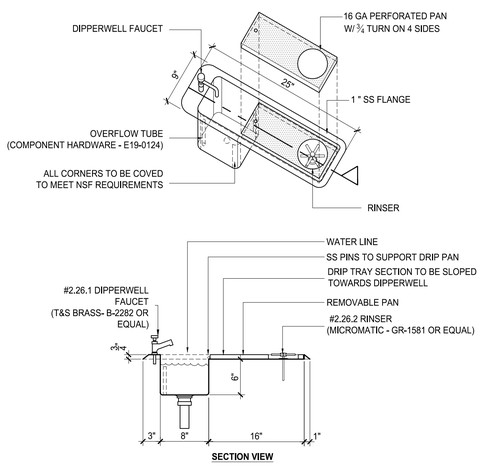
6 FS 8.0 TYPICAL DETAIL - SS UNDERMOUNT CASH DRAWER SHELF

SCALE: 3/4" = 1' - 0"



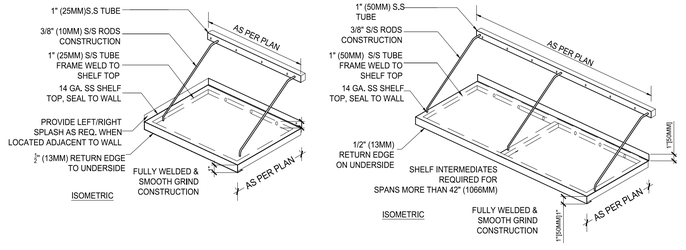
7 FS 8.0 FS TYP. DETAIL -SS DOUBLE PAN DOOR W/ INTEGRAL PULL

SCALE: 1" = 1 '- 0"



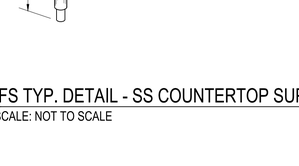
10 FS 8.0 TYPICAL DETAIL - SS DROP-IN DIPPERWELL W/ RINSER

SCALE: 1" = 1' - 0"



9 FS 8.0 FS TYP. DETAIL - SS DEEP OVERSHELF

SCALE: NOT TO SCALE



8 FS 8.0 FS TYP. DETAIL - SS COUNTERTOP SUPPORT LEG

SCALE: NOT TO SCALE

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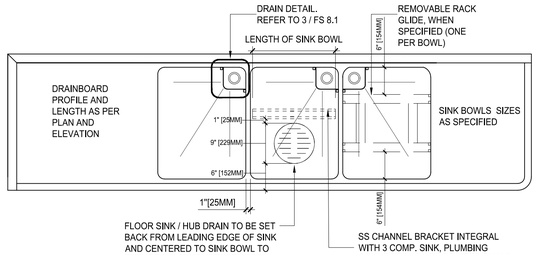
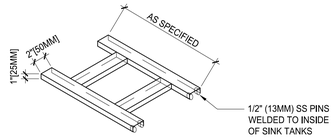
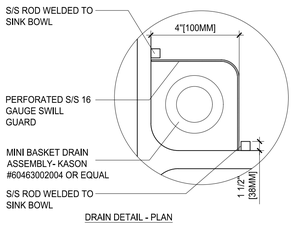
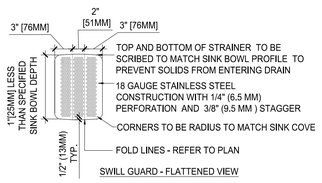




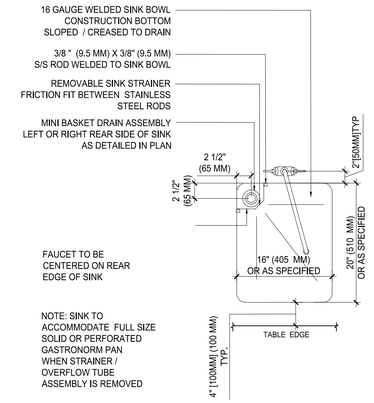
16 GA H-FRAME REMOVABLE RACK GLIDE, FULLY WELDED W/ EDGES GROUND CLEAN. RACK GLIDE TO SIT SNUGGLY AND FLUSH W/ TOP EDGE OF SINK TANK

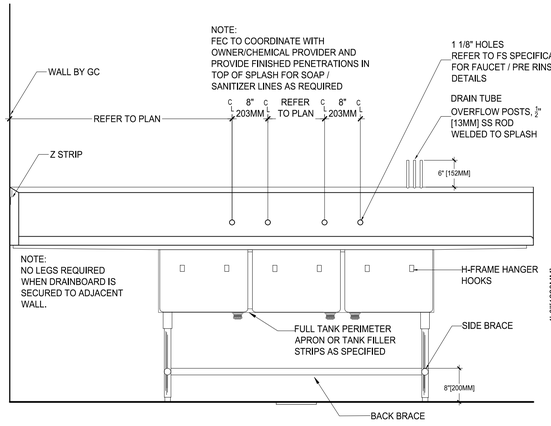


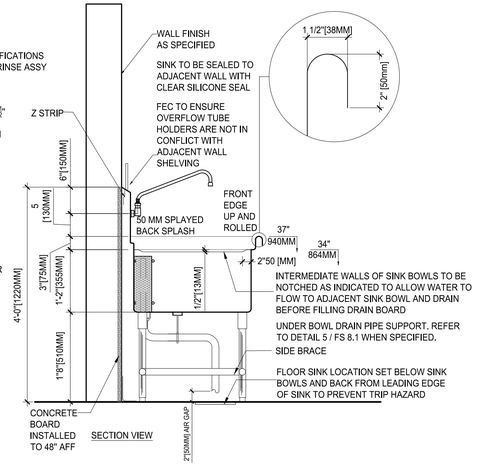
DRAIN DETAIL - PLAN

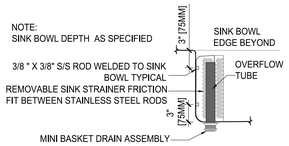


SWILL GUARD - FLATTENED VIEW









14" (355 MM) DEEP SINK ASSEMBLY

- 13" (330 MM) TALL STRAINER
- 12" (305 MM) TALL OVER FLOW TUBE - KASON MODEL # 60460002312 WITH NEOPRENE FLANGE
- MINI BASKET DRAIN ASSEMBLY KASON #463-2003

12" (330 MM) DEEP SINK ASSEMBLY

- 11" (280 MM) TALL STRAINER
- 10" (250 MM) TAll OVER FLOW TUBE KASON MODEL # 60460002310 WITH NEOPRENE FLANGE
- MINI BASKET DRAIN ASSEMBLY KASON #60463002004

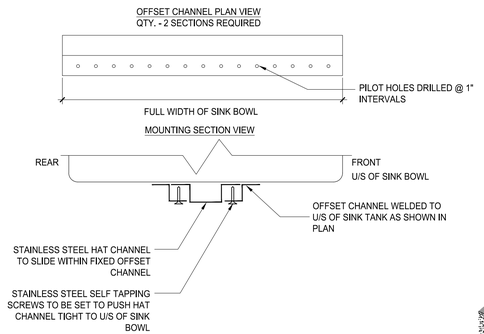
FAUCET TO BE CENTERED ON REAR EDGE OF SINK

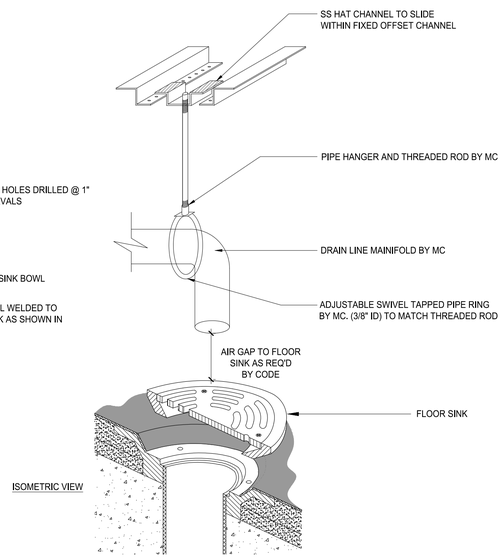
NOTE: SINK TO ACCOMMODATE FULL SIZE SOLID OR PERFORATED GASTRONORM PAN WHEN STRAINER / OVERFLOW TUBE ASSEMBLY IS REMOVED

3 FS 8.1 TYPICAL DETAIL - SS CORNER DRAIN
SCALE: 1" = 1' - 0"

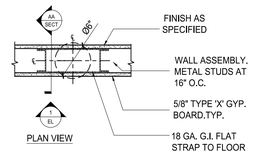
4 FS 8.1 TYPICAL DETAIL - SS INTEGRAL PREP SINK
SCALE: 1" = 1' - 0"

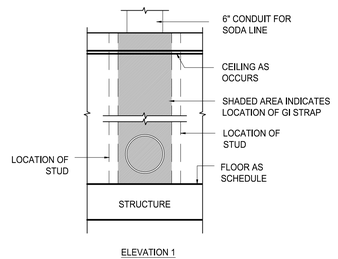
1 FS 8.1 TYPICAL DETAIL - SS 3 COMPARTMENT SINK-WAREWASH
SCALE: 3/4" = 1' - 0"



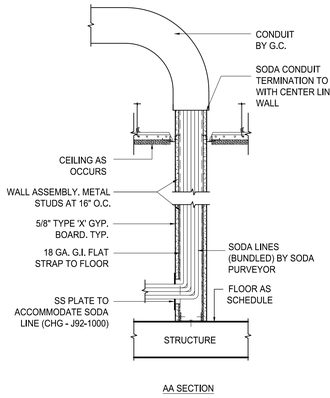


2 FS 8.1 TYPICAL DETAIL - SS DRAIN PIPE SUPPORT
SCALE: 1" = 1' - 0"



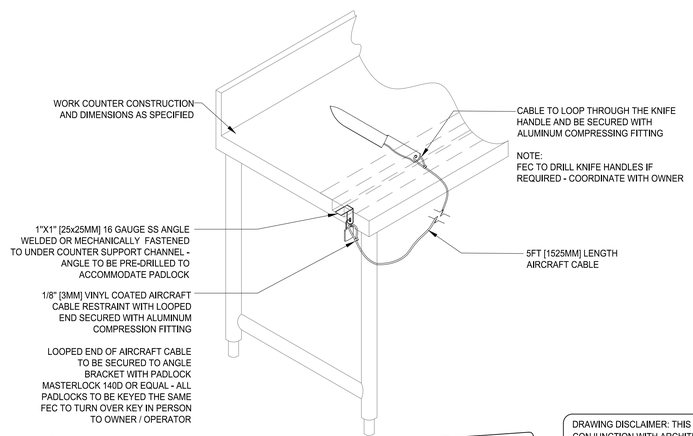


ELEVATION 1



AA SECTION

5 FS 8.1 TYPICAL DETAIL - SODA LINE PROTECTION
SCALE: 1" = 1' - 0"



6 FS 8.1 FS TYP. DETAIL - KNIFE TETHER
SCALE: 1" = 1' - 0"

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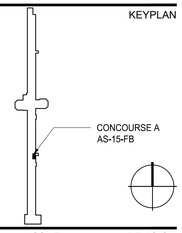

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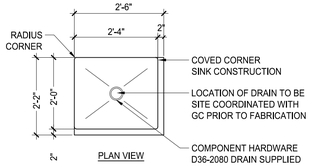
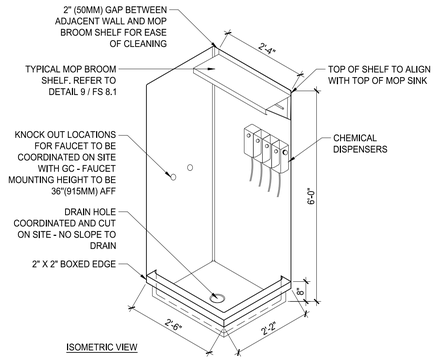
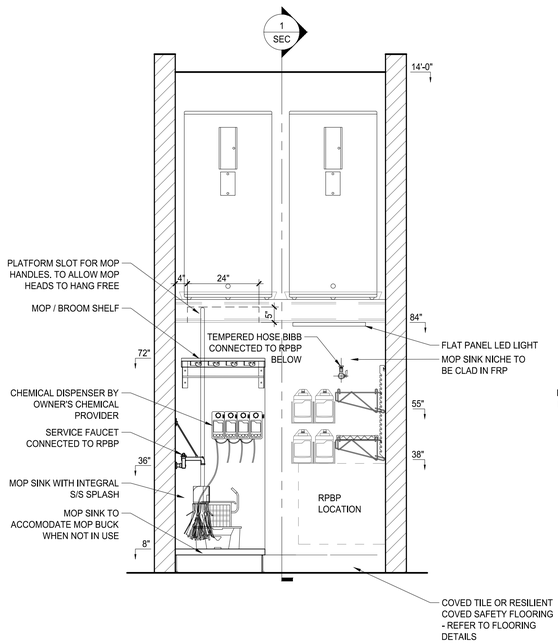
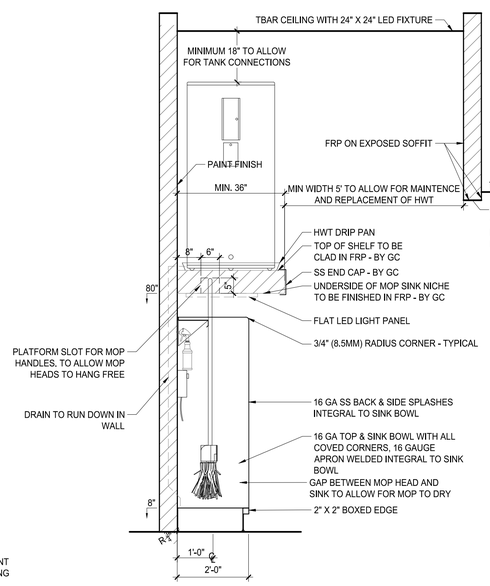


PLAN VIEW



ISOMETRIC VIEW

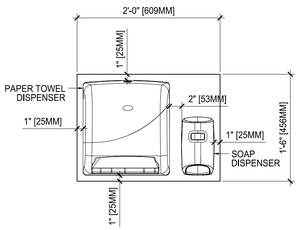


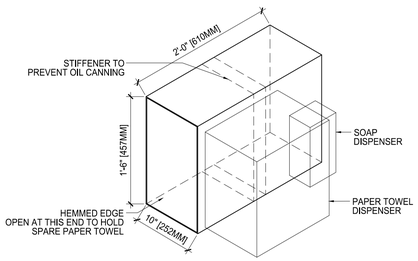


SECTION 1

1 FS 8.2 TYPICAL DETAIL - SS MOP SINK

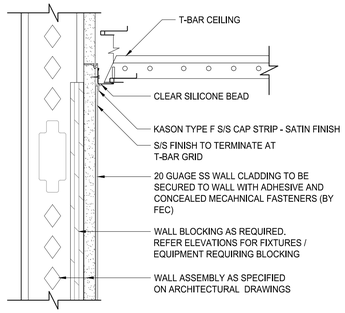
SCALE: 1/2" = 1' - 0"

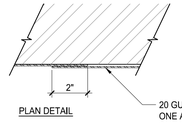




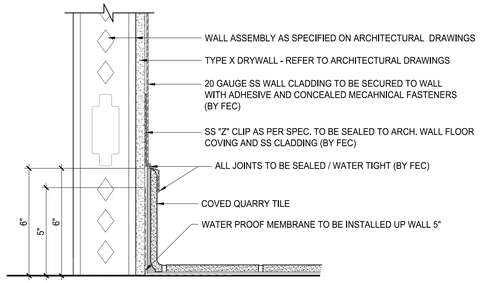
4 FS 8.2 TYPICAL DETAIL - SOAP & PAPER TOWEL DISPENSERS EXTENSION BOX

SCALE: 1" = 1' - 0"



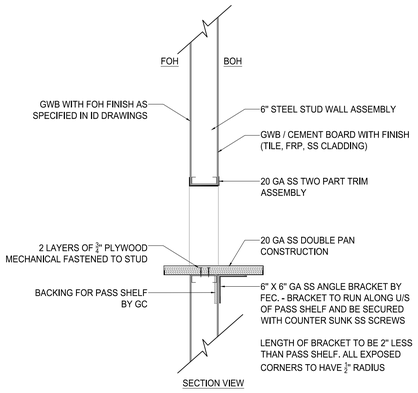


PLAN DETAIL

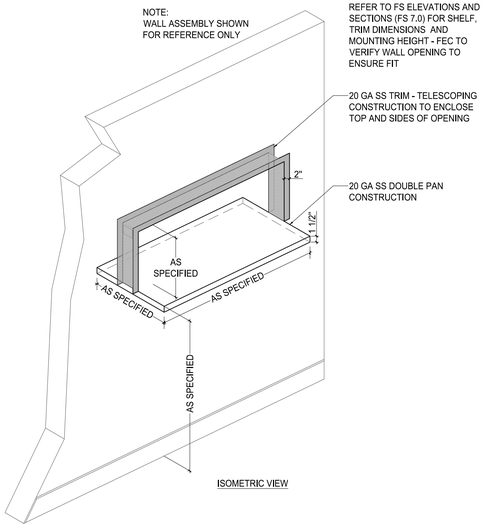


2 FS 8.2 FS TYP. DETAIL - SS WALL CLADDING

SCALE: 3" = 1 '- 0"



SECTION VIEW



ISOMETRIC VIEW

3 FS 8.2 FS TYP. DETAIL - SS PASS SHELF / WALL TRIM

SCALE: 1" = 1 '- 0"

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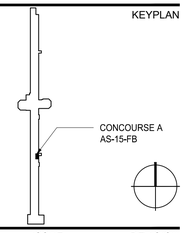

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2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.02.24	90% COORDINATION REVIEW	
2026.03.24	100% AIRPORT REVIEW	

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CORNER CAFE
FS TYPICAL DETAILS

SHEET NUMBER

FS 8.2

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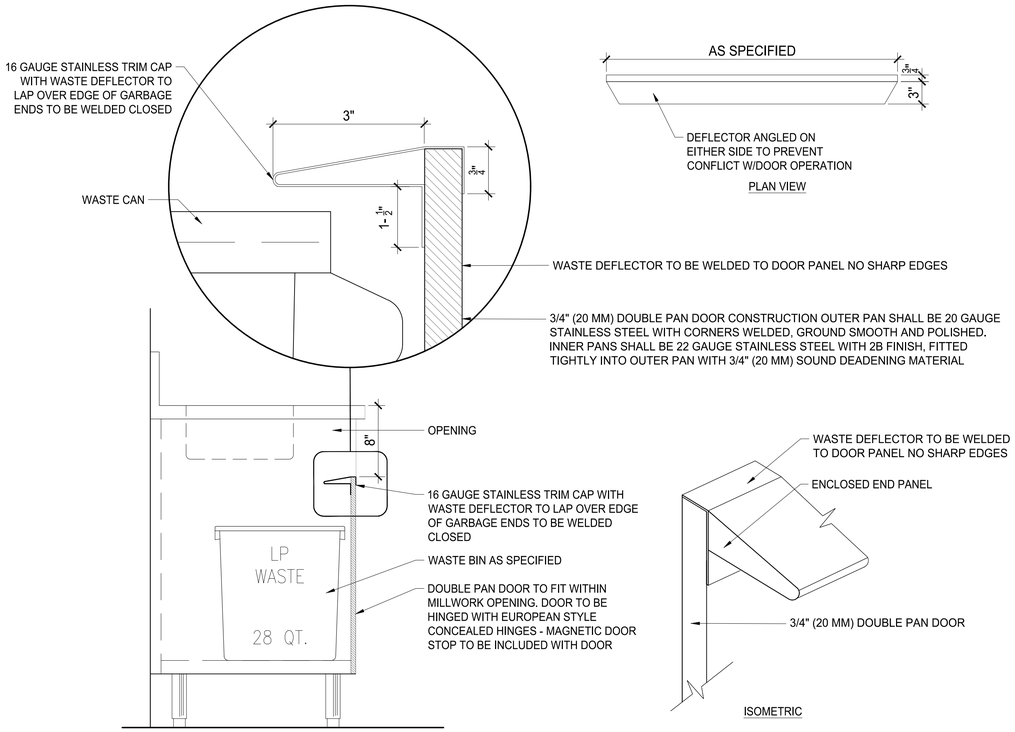
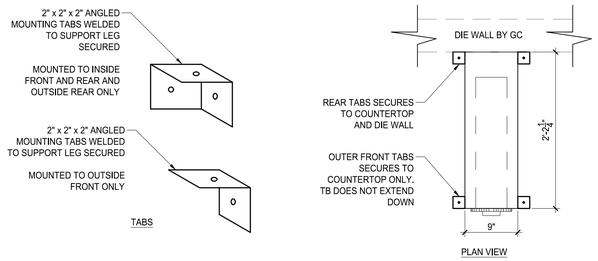


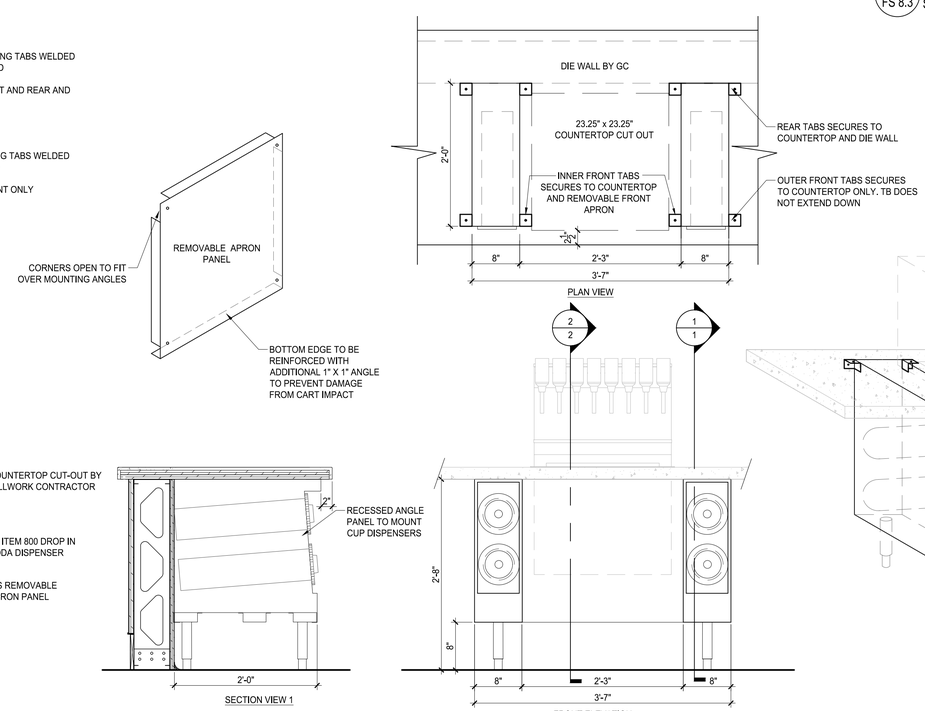
1 / FS 8.3 FS TYP. DETAIL - SS WASTE DEFLECTOR W/ DOUBLE PAN DOOR

SCALE: 1 1/2" = 1 '- 0"



3 / FS 8.3 FS TYP. DETAIL - SS U/C CUP DISPENSER W/ SUPPORT LEGS

SCALE: 1" = 1 '- 0"



2 / FS 8.3 TYPICAL DETAIL - SODA DISPENSER CHASSIS

SCALE: NOT TO SCALE

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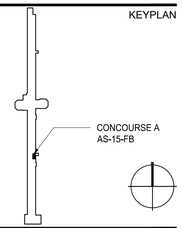

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FS TYPICAL DETAILS

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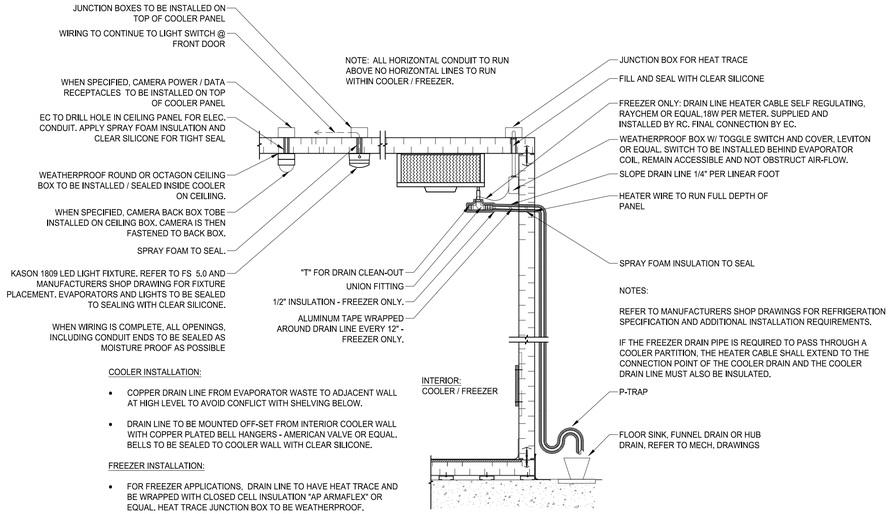
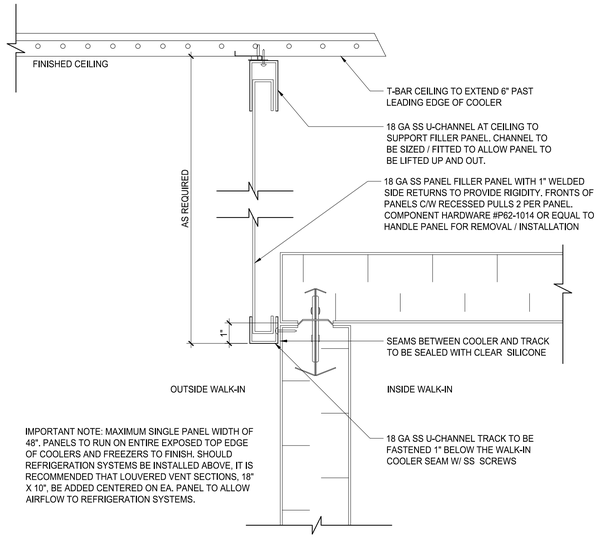
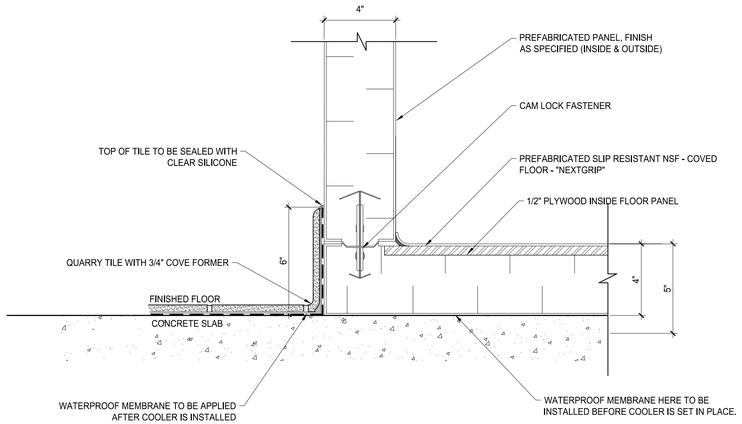


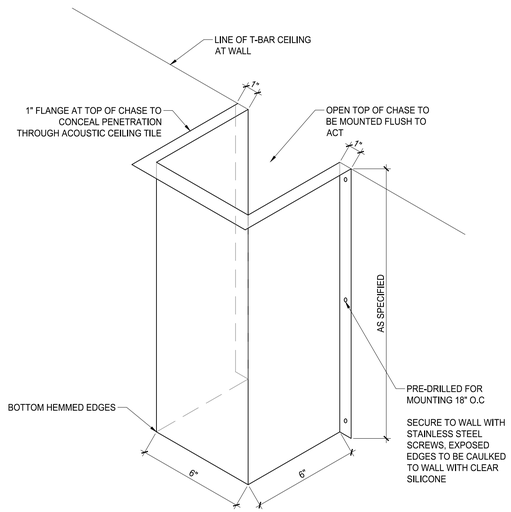
1 FS 8.4 TYPICAL DETAIL - COOLER EVAPORATOR AND LIGHTING INSTALLATION
SCALE: NOT TO SCALE



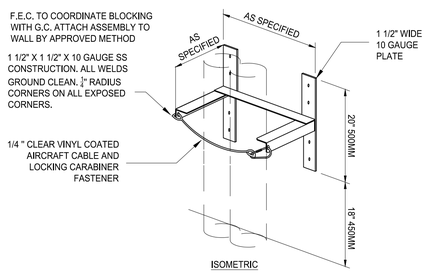
2 FS 8.4 FS TYP. DETAIL - REMOVABLE WALK-IN ENCLOSURE PANEL
SCALE: 3" = 1' - 0"



3 FS 8.4 FS TYP. DETAIL - QUARRY TILE FLOOR @ WALK-IN COOLER
SCALE: 3" = 1' - 0"



4 FS 8.4 FS TYP. DETAIL - SODA LINE SHROUD
SCALE: NTS



5 FS 8.4 FS TYP. DETAIL - GAS TANK RESTRAINT
SCALE: NTS

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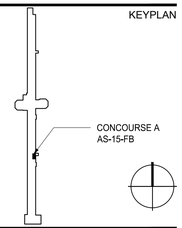

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FS TYPICAL DETAILS

SHEET NUMBER
FS 8.4

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HVAC LEGENDS & ABBREVIATIONS

SYMBOL	DESCRIPTION
00x00	RECTANGULAR AIR DUCT - FIRST DIMENSION IS SIDE SHOWN
	ROUND DUCT (A"Ø) OR FLAT OVAL (AxB)
	LINED DUCTWORK, DIMENSIONS ARE OUTER METAL TO OUTER METAL
	AIR DUCT FLEXIBLE CONNECTOR
	DUCTWORK TO BE REMOVED
OR	SUPPLY OR OUTSIDE AIR RECTANGULAR DUCT RISE OR DROP
OR	RETURN AIR RECTANGULAR DUCT RISE OR DROP
OR	EXHAUST AIR RECTANGULAR DUCT RISE OR DROP
	FIRE DAMPER (FD)
	SMOKE DAMPER (SD)
	COMBINATION FIRE/SMOKE DAMPER (FSD)
	MOTOR OPERATED DAMPER (SAME SIZE AS DUCT UNLESS OTHERWISE NOTED) (MOD)
	DUCT-MOUNTED STATIC PRESSURE SENSOR (DM-SPS)
	MANUAL VOLUME DAMPER (MD)
	SMOKE DETECTOR (SDT)
	BACKDRAFT DAMPER (BDD)
	AIR FLOW SENSOR (AFS)
	SQUARE ELBOW WITH TURNING VANES
	DUCT TRANSITION, RECTANGULAR TO ROUND OR OVAL
	DUCT TRANSITION, RECTANGULAR TO RECTANGULAR
	FLEX DUCT AT DIFFUSER
OR	ECCENTRIC REDUCER FLAT SIDE ON BOTTOM OR FLAT SIDE ON TOP
	CONCENTRIC REDUCER
	STEAM TRAP
H	HUMIDITY SENSOR
T	TEMPERATURE SENSOR
T	THERMOSTAT
C	CARBON DIOXIDE SENSOR
S	SWITCH
TM	TIMER
	EXTENT OF DEMO
	CONNECT TO EXISTING
	TEST PLUG
	GAUGE COCK
	THERMOMETER
	PRESSURE GAUGE
	DRIP LEG
	THERMOMETER WELL

HVAC LEGENDS & ABBREVIATIONS

SYMBOL	DESCRIPTION
	PIPING OR EQUIPMENT TO BE REMOVED
	PIPE FLOW ARROW
UP OR DN	GRADE ARROW-INDICATES RISE OR DROP IN DUCT OR PIPE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
C	CONDENSATE DRAIN
LPS (5#)	LOW PRESSURE STEAM (PRESSURE SHOWN)
MPS (65#)	MEDIUM PRESSURE STEAM (PRESSURE SHOWN)
HPS (125#)	HIGH PRESSURE STEAM (PRESSURE SHOWN)
LPC	LOW PRESSURE STEAM CONDENSATE
MPC	MEDIUM PRESSURE STEAM CONDENSATE
HPC	HIGH PRESSURE STEAM CONDENSATE
P	PUMPED STEAM CONDENSATE
V	VENT
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
	PIPE UNION
	PIPE RISE [DOUBLE LINE/SINGLE LINE]
	PIPE DROP [DOUBLE LINE/SINGLE LINE]
	CAP ON END OF LINE
	GATE VALVE
	BUTTERFLY VALVE
	BALANCING VALVE
	CHECK VALVE
	SOLENOID VALVE
	GLOBE VALVE
	THREE WAY MODULATING MOTORIZED CONTROL VALVE
	TWO WAY MODULATING MOTORIZED CONTROL VALVE
	BALL VALVE
	PRESSURE REDUCING VALVE
	RELIEF VALVE
	STRAINER
	SIGHT GLASS
	AUTOMATIC AIR VENT
	MANUAL AIR VENT

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BD	BALANCING DAMPER
CAP	CAPACITY
CD	CEILING DIFFUSER
CENT	CENTRIFUGAL
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
COND	CONDENSING
COP	COEFFICIENT OF PERFORMANCE
CU	CONDENSING UNIT
D	DRAIN
DB	DRY BULB
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EFF	EFFICIENCY
ESP	EXTERNAL STATIC PRESSURE
EXH	EXHAUST
F	FAHRENHEIT
F	FAN
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FT	FEET
G	GAS
GFU	GAS FIRED UNIT
H	HOOD
HC	HEATING CAPACITY
HP	HEAT PUMP
HP	HORSEPOWER
HT	HEIGHT
IH	INFRARED HEATER
KW	KILOWATT
L	LENGTH
MAX	MAXIMUM
MBH	THOUSAND BTUH
MIN	MINIMUM
MOD	MOTOR OPERATED DAMPER
OA	OUTSIDE AIR
RA	RETURN AIR
RAR	RETURN AIR REGISTER
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
SAR	SUPPLY AIR REGISTER
SC	SENSIBLE CAPACITY
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SP	STATIC PRESSURE
SYS	SYSTEM
T	THERMOSTAT
TC	TOTAL CAPACITY
TEMP	TEMPERATURE
TYP	TYPICAL
UH	UNIT HEATER
V	VOLTS
W	WIDTH
WB	WET BULB
WC	WATER COLUMN

DESIGN CONDITIONS

SITE LOCATION: ATLANTA, GA — CLIMATE ZONE: 3A

OUTDOOR DESIGN CONDITIONS
17°F WINTER DESIGN DRY BULB (CITY OF ATLANTA DOA)
93.7°F DRY BULB AND 73.8°F MEAN COINCIDENT WET BULB SUMMER DESIGN

INDOOR DESIGN CONDITIONS
70°F WINTER INDOOR DESIGN DRY BULB (HEATING)
74°F DRY BULB AND 50% RH INDOOR DESIGN (COOLING)

CALCULATIONS BASED ON ASHRAE DESIGN CRITERIA AND CALCULATION METHODOLOGY.

CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED, INSTALLED, AND TESTED IN COMPLIANCE WITH THE CODES AND AMENDMENTS ADOPTED BY THE INSPECTION AUTHORITY. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHER APPLICABLE TO THIS PROJECT.

A. STATE BUILDING CODES INCLUDING THE LATEST STATE ADOPTED CODE AMENDMENTS AND REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION (AHJ):
1. 2024 INTERNATIONAL MECHANICAL CODE (GEORGIA AMENDMENTS)
2. 2024 INTERNATIONAL PLUMBING CODE (GEORGIA AMENDMENTS)
3. 2024 INTERNATIONAL BUILDING CODE (GEORGIA AMENDMENTS)
4. 2015 INTERNATIONAL ENERGY CONSERVATION CODE (GEORGIA AMENDMENTS)
5. 2024 INTERNATIONAL FIRE CODE (GEORGIA AMENDMENTS)
6. 2018 INTERNATIONAL FUEL GAS CODE (GEORGIA AMENDMENTS)

MECHANICAL GENERAL NOTES

1. IN GENERAL, PLANS AND DIAGRAMS ARE SCHEMATIC ONLY AND SHOULD NOT BE SCALED.
2. INTENT OF THESE NOTES AND MECHANICAL NOTES ON DRAWINGS IS TO CLARIFY THE SCOPE OF WORK AND ALERT CONTRACTOR OF EXISTING CONDITIONS. CONTRACTOR TO VISIT SITE AND VERIFY ALL CLEARANCES BEFORE FABRICATION OF DUCTWORK AND PROVIDE ADDITIONAL OFFSET AND/OR CHANGES IN DUCT SIZES TO MEET FIELD CONDITIONS AND COORDINATE WITH ELECTRICAL, PLUMBING AND FIRE PROTECTION SUBCONTRACTOR BEFORE ANY CONSTRUCTION WORK.
3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL TRADES INSTALLATION SCHEDULES. FIXED WORK SUCH AS DUCTWORK AND PLUMBING SHALL BE INSTALLED PRIOR TO ANY TRADE WORK THAT CAN BE EASILY RELOCATED OR OFFSET SUCH AS ELECTRICAL CONDUITS, SMALL WATER LINES ETC.
4. UNLESS OTHERWISE NOTED, INSTALL DUCTWORK AS HIGH AS POSSIBLE, TIGHT TO BOTTOM OF STRUCTURE. COORDINATE DUCT ELEVATION WITH WATER PIPING, SANITARY DRAINS AND MAJOR ELECTRICAL CONDUITS.
5. CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTARY STEEL REQUIRED TO SUSPEND MECHANICAL EQUIPMENT AND MATERIALS.
6. ALL MECHANICAL WORK SHALL MEET ALL THE REQUIREMENTS OF, BUT NOT LIMITED TO THE 2018 INTERNATIONAL MECHANICAL CODE WITH 2020 AND 2022 GEORGIA AMENDMENTS.
7. DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS. INTERNAL INSULATION (WHERE USED) HAS NOT BEEN ACCOUNTED FOR.
8. DUCTWORK, DIFFUSERS, REGISTERS, GRILLES, AND OTHER ITEMS OF THE AIR HANDLING SYSTEM SHALL NOT BE SUPPORTED BY THE CEILING OR CEILING SUSPENSION SYSTEM.
9. ALL WALL MOUNTED THERMOSTATS AND/OR TEMPERATURE SENSORS SHALL BE INSTALLED AT AN ELEVATION OF 48" ABOVE FINISHED FLOOR TO THE TOP UNLESS OTHERWISE NOTED ON DRAWINGS. LOCATION OF THE WALL MOUNTED THERMOSTAT SHALL BE COORDINATED WITH OTHER TRADES FOR A NEAT APPEARANCE. FINAL LOCATION OF THERMOSTAT SHALL BE SUBJECT TO THE APPROVAL OF THE TENANT/OWNER OR THEIR REPRESENTATIVE IN THE FIELD.
10. ALL SUPPLY AIR DIFFUSERS SHALL BE 4-WAY THROW UNLESS OTHERWISE NOTED.
11. COORDINATE AIR DEVICE LOCATIONS WITH LIGHTING FIXTURES, SPEAKERS AND FIRE SPRINKLER HEADS (WHERE APPLICABLE).
12. CONTRACTOR SHALL VERIFY THAT THE LOCATION OF CEILING MOUNTED DIFFUSERS, GRILLES, AND REGISTERS SHOWN ON THE DRAWINGS ARE ACCEPTABLE TO THE ARCHITECT PRIOR TO INSTALLATION.
13. ALL NEW DUCTWORK SHALL BE 1" W.G. CONSTRUCTION, CONSTRUCTED OF LOCK FORMING GALVANIZED STEEL IN ACCORDANCE WITH THE "DUCT MANUAL AND SHEET METAL CONSTRUCTION FOR VENTILATING AND AIR CONDITIONING SYSTEMS, "THIRD EDITION, 2005, PUBLISHED BY THE "SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION INC. (SMACNA)". VOLUME DAMPERS SHALL BE PROVIDED IN ALL BRANCH TAKE OFFS, SPIN-INS OR OTHER CONNECTIONS TO INDIVIDUAL AIR DISTRIBUTION DEVICES. ALL 90 DEGREE ELBOWS SHALL BE RADIUS, OR RECTANGULAR WITH TURNING VANES. DUCTWORK SHALL BE HUNG AS HIGH AS POSSIBLE FROM THE BUILDING STRUCTURE WITH HANGER ASSEMBLIES IN ACCORDANCE WITH "SMACNA" REQUIREMENTS. PROVIDE ADDITIONAL RISES, DROPS, AND OFFSETS IN DUCTWORK AS REQUIRED. ALL DUCTWORK SHALL BE SEALED USING IRON GRIP (NO SUBSTITUTIONS) ALL DUCT REGARDLESS OF PRESSURE CLASS SHALL BE SEALED PER SMACNA CLASS "A."
14. NEW DUCTWORK SHALL BE EXTERNALLY INSULATED WITH 1-1/2" THICK FIBERGLASS FLEXIBLE BLANKET INSULATION (RATED FIRE=25, SMOKE=50) SECURED TO THE DUCTWORK WITH BENJAMIN FOSTER NO. 8520 ADHESIVE & PUSH PINS ON 12" CENTERS. INSULATION TO HAVE AN INSTALLED MINIMUM R-VALUE OF 6.0.
15. ALL FLEXIBLE DUCTWORK SHALL BEAR THE UL 181 LABEL (CLASS 1 AIR DUCT) AND SHALL BE FACTORY INSULATED (1-1/2 INCH, 0.6 LB., FIBERGLASS, FIRE=25, SMOKE=50) ATCO UPC #050 OR EQUAL. FLEXIBLE DUCTWORK SHALL COMPLY W/ NFPA 90A, AND NFPA 90B. ALL FLEXIBLE DUCTWORK CONNECTED TO DIFFUSERS SHALL NOT BE LESS THAN THE NECK SIZE OF THE DIFFUSER UNLESS NOTED OTHERWISE ON DRAWINGS. MINIMUM FLEXIBLE DUCT BEND RADIUS OF CURVATURE SHALL BE 3 DUCT DIAMETERS, MAXIMUM LENGTH SHALL BE 4'-0", NO MORE THAN THE EQUIVALENT OF TWO (2) 90 DEGREE BENDS WILL BE ACCEPTABLE. TAKE OFF FITTINGS TO BE EQUAL TO FLEXMASTER TYPE 8M-R6. USE 45° THROAT AT PLENUM TAKE OFFS.
16. FLEXIBLE AND RIGID ROUND DUCT TAKE-OFFS FOR DIFFUSERS SHALL BE THE SAME SIZE AS DIFFUSER NECK. MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 3'-0". INSULATE RIGID ROUND DUCTS WITH 1-1/2" FOIL FACED FIBERGLASS DUCT WRAP, DUCT WRAP TO HAVE AN INSTALLED MINIMUM THERMAL RESISTANCE (R) VALUE OF 6.0.
17. ALL EXHAUST AIR DUCTWORK SHALL BE GALVANIZED SHEETMETAL CONSTRUCTION IN ACCORDANCE WITH LATEST SMACNA STANDARDS.
18. DUCT SHALL BE SECURELY SUPPORTED, HUNG OR SUSPENDED IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE. PROVIDE MINIMUM 1-1/2" WIDE 22 GA. STRAPS, 10 FT. SPACING FOR MAXIMUM HALF DUCT PERIMETER UP TO 30" AND ALL ROUND FLEX DUCT. PROVIDE 1" WIDE 22 GA. STRAPS, 5 FT. SPACING FOR MAXIMUM HALF DUCT PERIMETER FROM 31" TO 72" AND 1" WIDE 20 GA. STRAPS, 5 FT. SPACING FOR MAXIMUM HALF DUCT PERIMETER UP TO 96".
19. PROVIDE ALL ROOF TOP UNITS WITH MANUFACTURER'S RECOMMENDED SERVICE AREA CLEARANCES.
20. PROVIDE A TRAP IN ALL CONDENSATE PIPING LOCATED AT THE ROOF TOP UNIT. CONDENSATE PIPING TO BE TYPE "L" COPPER.
21. VERIFY VOLTAGE WITH ELECTRICAL BEFORE ORDERING EQUIPMENT.
22. ALL MECHANICAL EQUIPMENT CONTROL WIRING TO BE ROUTED IN CONDUIT.
23. GUARANTEE, FOR ONE YEAR AFTER DATE OF ACCEPTANCE BY THE OWNER, ALL EQUIPMENT, MATERIALS AND WORKMANSHIP TO BE FREE FROM DEFECT.
24. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO INSTALL THE HEATING, VENTILATION AND AIR CONDITIONING SYSTEM SO AS TO INSURE QUIET OPERATION. NO VIBRATION OR SOUND SHALL BE TRANSMITTED TO THE BUILDING, STRUCTURE OR OCCUPIED AREAS. THE DECISION OF THE ENGINEER AS TO THE QUIETNESS OF THE SYSTEM AND EQUIPMENT SHALL BE FINAL. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO CORRECT OR REPLACE ANY NOISY SYSTEM OR EQUIPMENT AS REQUIRED.
25. ALL MATERIAL SHALL BE OF APPROVED QUALITY AND THE WORK SHALL BE DONE IN A THOROUGH AND WORKMANLIKE MANNER. THE WORK, MATERIALS AND TESTS SHALL BE IN ACCORDANCE WITH ALL LOCAL AND STATE MECHANICAL CODES.
26. LOCATIONS OF DUCT MOUNTED SMOKE DETECTORS SHOWN ON THE DRAWINGS ARE REFERENCE LOCATIONS ONLY. THE FINAL PLACEMENT OF THE DETECTOR IN THE DUCTWORK SHALL MEET THE REQUIREMENTS OF THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE A PRESSURE DIFFERENTIAL TEST AND THE MANUFACTURER'S TEST KIT. A COPY OF ALL TEST DATA WILL BE MADE AVAILABLE AT THE FINAL INSPECTION. PROVIDE READILY ACCESSIBLE DUCT ACCESS DOOR FOR INSPECTING AND SERVICING THE DETECTOR. THE ACTUATION OF A SMOKE DETECTOR SHALL ACTIVATE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT AN APPROVED LOCATION AND SHALL BE IDENTIFIED AS AIR DUCT DETECTOR TROUBLE. DUCT SMOKE DETECTORS ARE FURNISHED AND WIRED TO SHUT DOWN UNIT BY DIVISION 16, BUT SHALL BE INSTALLED IN DUCTWORK BY THE MECHANICAL CONTRACTOR.

SHEET INDEX - MECHANICAL

NUMBER	NAME
M0.1	MECHANICAL COVER SHEET
M0.2	MECHANICAL SPECIFICATIONS
MD1.1	MECHANICAL DEMO PLAN - BOARDING LEVEL
M1.1	MECHANICAL PLAN - BOARDING LEVEL
M1.2	MECHANICAL RCP PLAN - BOARDING LEVEL
M1.3	MECHANICAL PLAN - ROOF
M5.1	MECHANICAL DETAILS
M7.1	MECHANICAL CONTROLS

NOT FOR CONSTRUCTION

DRAWING DISCLAIMER: THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, INTERIOR DESIGN, FOOD SERVICE, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL DRAWINGS AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

THIS DRAWING SHOULD ALSO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL MASTER SPECIFICATION, FOOD SERVICE SPECIFICATION AND ENVIRONMENTAL GRAPHICS SPECIFICATION AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

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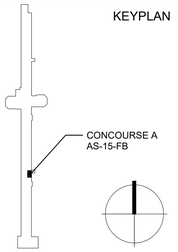

REVISION

DATE	ISSUE	REVISION
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.03.24	100% AIRPORT REVIEW	

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MECHANICAL COVER SHEET

SHEET NUMBER

M0.1

PROJECT NUMBER	1808

MECHANICAL SPECIFICATIONS

SECTION 230513 - COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT
1. COMPLY WITH NEMA MG 1 UNLESS OTHERWISE INDICATED. DUTY: CONTINUOUS DUTY AT AMBIENT TEMPERATURE OF 40 DEG C AND AT ALTITUDE OF 3300 FEET ABOVE SEA LEVEL
2. POLYPHASE MOTORS: NEMA MG 1, DESIGN B, MEDIUM INDUCTION MOTOR, PREMIUM EFFICIENT, AS DEFINED IN NEMA MG. SERVICE FACTOR: 1.15

SECTION 230517 - SLEEVES AND SLEEVE SEALS FOR HVAC PIPING
1. CAST-IRON PIPE SLEEVES: CAST OR FABRICATED OF CAST OR DUCTILE IRON AND EQUIVALENT TO DUCTILE-IRON PRESSURE PIPE, WITH PLAIN ENDS AND INTEGRAL WATERSTOP COLLAR.
2. INSTALL SLEEVES FOR PIPING PASSING THROUGH PENETRATIONS IN FLOORS, PARTITIONS, WALLS, AND ROOFS

SECTION 230529 - HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT
1. CARBON-STEEL PIPE HANGERS AND SUPPORTS. DESCRIPTION: MSS SP-58, TYPES 1 THROUGH 58, FACTORY-FABRICATED COMPONENTS. GALVANIZED METALLIC COATINGS: PREGALVANIZED, HOT-DIP GALVANIZED, OR ELECTRO-GALVANIZED. HANGER RODS: CONTINUOUS-THREAD ROD, NUTS, AND WASHER MADE OF CARBON STEEL.
2. TRAPEZE PIPE HANGERS. DESCRIPTION: MSS SP-58, TYPE 59, SHOP- OR FIELD-FABRICATED PIPE-SUPPORT ASSEMBLY MADE FROM STRUCTURAL CARBON-STEEL SHAPES WITH MSS SP-58 CARBON-STEEL HANGER RODS, NUTS, SADDLES, AND U-BOLTS.
3. INSULATION-INSERT MATERIAL FOR HOT PIPING. WATER-REPELLENT-TREATED, ASTM C533, TYPE I CALCIUM SILICATE WITH 100-PSI MINIMUM COMPRESSIVE STRENGTH. FOR TRAPEZE OR CLAMPED SYSTEMS: INSERT AND SHIELD SHALL COVER ENTIRE CIRCUMFERENCE OF PIPE. FOR CLEVIS OR BAND HANGERS: INSERT AND SHIELD SHALL COVER LOWER 180 DEGREES OF PIPE. INSERT LENGTH: EXTEND 2 INCHES BEYOND SHEET METAL SHIELD FOR PIPING OPERATING BELOW AMBIENT AIR TEMPERATURE.

SECTION 230553 - IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT
1. METAL LABELS FOR EQUIPMENT. ANODIZED ALUMINUM, 0.032-INCH MINIMUM THICKNESS, AND HAVING PREDRILLED OR STAMPED HOLES FOR ATTACHMENT HARDWARE. FASTENERS: STAINLESS-STEEL RIVETS OR SELF-TAPPING SCREWS.
2. PIPE LABELS: PREPRINTED, COLOR-CODED, WITH LETTERING INDICATING SERVICE, AND SHOWING FLOW DIRECTION ACCORDING TO ASME A13.1. PRETENSIONED PIPE LABELS: PRECOILED, SEMIRIGID PLASTIC FORMED TO COVER FULL CIRCUMFERENCE OF PIPE AND TO ATTACH TO PIPE WITHOUT FASTENERS OR ADHESIVE.
3. DUCT LABEL CONTENTS: INCLUDE IDENTIFICATION OF DUCT SERVICE USING SAME DESIGNATIONS OR ABBREVIATIONS AS USED ON DRAWINGS; ALSO INCLUDE DUCT SIZE AND AN ARROW INDICATING FLOW DIRECTION. ADHESIVE: CONTACT-TYPE PERMANENT ADHESIVE, COMPATIBLE WITH LABEL AND WITH SUBSTRATE. MULTILAYER, MULTICOLOR, PLASTIC LABELS FOR MECHANICAL ENGRAVING.

SECTION 230593 - TESTING, ADJUSTING, AND BALANCING FOR HVAC
1. TAB SPECIALISTS QUALIFICATIONS, CERTIFIED BY NEBB OR TABB. INSTRUMENTATION TYPE, QUANTITY, ACCURACY, AND CALIBRATION: COMPLY WITH REQUIREMENTS IN ASHRAE 111, SECTION 4, "INSTRUMENTATION. ASHRAE/IES 90.1 COMPLIANCE: APPLICABLE REQUIREMENTS IN ASHRAE/IES 90.1, SECTION 6.7.2.3 - "SYSTEM BALANCING."
2. EXAMINE THE CONTRACT DOCUMENTS TO BECOME FAMILIAR WITH PROJECT REQUIREMENTS AND TO DISCOVER CONDITIONS IN SYSTEMS DESIGNS THAT MAY PRECLUDE PROPER TAB OF SYSTEMS AND EQUIPMENT. EXAMINE INSTALLED SYSTEMS FOR BALANCING DEVICES, SUCH AS TEST PORTS, GAUGE COCKS, THERMOMETER WELLS, FLOW-CONTROL DEVICES, BALANCING VALVES AND FITTINGS, AND MANUAL VOLUME DAMPERS. VERIFY THAT LOCATIONS OF THESE BALANCING DEVICES ARE APPLICABLE FOR INTENDED PURPOSE AND ARE ACCESSIBLE. EXAMINE THE APPROVED SUBMITTALS FOR HVAC SYSTEMS AND EQUIPMENT. EXAMINE TEMPORARY AND PERMANENT STRAINERS. VERIFY THAT TEMPORARY STRAINER SCREENS USED DURING SYSTEM CLEANING AND FLUSHING HAVE BEEN REMOVED AND PERMANENT STRAINER BASKETS ARE INSTALLED AND CLEAN.
3. PERFORM TESTING AND BALANCING PROCEDURES ON EACH SYSTEM IN ACCORDANCE WITH THE PROCEDURES CONTAINED IN AABC'S "NATIONAL STANDARDS FOR TOTAL SYSTEM BALANCE" AND IN THIS SECTION. MARK EQUIPMENT AND BALANCING DEVICES, INCLUDING DAMPER-CONTROL POSITIONS, VALVE POSITION INDICATORS, FAN-SPEED-CONTROL LEVERS, AND SIMILAR CONTROLS AND DEVICES, WITH PAINT OR OTHER SUITABLE, PERMANENT IDENTIFICATION MATERIAL TO SHOW FINAL SETTINGS.
4. TAB ALL NEW EQUIPMENT.
5. SUBMIT FINAL TAB REPORT FOR REVIEW BY ENGINEER OF RECORD.

SECTION 230713 - DUCT INSULATION
1. INDOOR SUPPLY, RETURN, OUTDOOR-AIR DUCT: MINERAL-FIBER BLANKET, 2 INCHES THICK AND 0.75-LB/CU. FT. NOMINAL DENSITY. INSULATION SHALL BE MINIMUM R-6 FOR UNCONDITIONED SPACES.
2. OUTDOOR EXPOSED SUPPLY AND RETURN-AIR DUCTS AND PLENUMS: MINERAL-FIBER BLANKET, 2 INCHES THICK AND 0.75-LB/CU. FT. NOMINAL DENSITY, WITH FIELD APPLIED JACKET MADE OF ALUMINUM, (SMOOTH OR STUCCO EMBOSSED) 0.016 INCHES THICK. INSULATION SHALL BE MINIMUM R-8 PER IECC.
3. CONCEALED, TYPE I, COMMERCIAL, KITCHEN HOOD EXHAUST DUCT AND PLENUM INSULATION: FIRE-RATED BLANKET; THICKNESS AS REQUIRED TO ACHIEVE 2-HOUR FIRE RATING.
4. MINERAL-FIBER BLANKET INSULATION: MINERAL OR GLASS FIBERS BONDED WITH A THERMOSETTING RESIN. COMPLY WITH ASTM C553, TYPE II AND ASTM C1290, TYPE III WITH FACTORY-APPLIED FSK JACKET.
5. FIRE-RATED BLANKET: HIGH-TEMPERATURE, FLEXIBLE, BLANKET INSULATION WITH FSK JACKET THAT IS TESTED AND CERTIFIED TO PROVIDE A 2-HOUR FIRE RATING BY AN NRTL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
6. MINERAL-FIBER ADHESIVE: COMPLY WITH MIL-A-3316C, CLASS 2, GRADE A. FSK JACKET ADHESIVE: COMPLY WITH MIL-A-3316C, CLASS 2, GRADE A FOR BONDING INSULATION JACKET LAP SEAMS AND JOINTS.
7. VAPOR-RETARDER MASTIC: WATER BASED; SUITABLE FOR INDOOR USE ON BELOW AMBIENT SERVICES. WATER-VAPOR PERMEANCE: COMPLY WITH ASTM C755, SECTION 7.2.2, TABLE 2, FOR INSULATION TYPE AND SERVICE CONDITIONS.
8. FSK TAPE: FOIL-FACE, VAPOR-RETARDER TAPE MATCHING FACTORY-APPLIED JACKET WITH ACRYLIC ADHESIVE; COMPLYING WITH ASTM C1136.
9. METAL, ADHESIVELY ATTACHED, PERFORATED-BASE INSULATION HANGERS: BASEPLATE WELDED TO PROJECTING SPINDLE THAT IS CAPABLE OF HOLDING INSULATION, OF THICKNESS INDICATED, SECURELY IN POSITION INDICATED WHEN SELF-LOCKING WASHER IS IN PLACE. COMPLY WITH THE FOLLOWING REQUIREMENTS. BASEPLATE: PERFORATED, GALVANIZED CARBON-STEEL SHEET, 0.030 INCH THICK BY 2 INCHES SQUARE. SPINDLE: COPPER- OR ZINC-COATED, LOW-CARBON STEEL, FULLY ANNEALED, 0.106-INCH- DIAMETER SHANK, LENGTH TO SUIT DEPTH OF INSULATION INDICATED. ADHESIVE: RECOMMENDED BY HANGER MANUFACTURER. PRODUCT WITH DEMONSTRATED CAPABILITY TO BOND INSULATION HANGER SECURELY TO SUBSTRATES INDICATED WITHOUT DAMAGING INSULATION, HANGERS, AND SUBSTRATES.

10. FLEXIBLE FIRE RESISTANT DUCT WRAP
    A. INORGANIC, BIOSOLUABLE FIRE RESISTANT INSULATION BLANKET ENCAPSULATED WITH SCRIM-REINFORCED FOIL, INCLUDING MATERIAL FOR SEALING ACCESS DOORS, HANGER PENETRATIONS, AND TERMINATIONS TO ACHIEVE RATINGS AS AN ASSEMBLY.
    B. DUCT WRAP ASSEMBLY SHALL HAVE A ZERO COMPOSITE FLAME SPREAD RATING, A ZERO SMOKE DEVELOPED RATING, AND SHALL BE RATED FOR ZERO CLEARANCE TO COMBUSTIBLES AT ANY POINT ON THE SURFACE OF THE DUCT WRAP SYSTEM. DUCT WRAP ASSEMBLY SHALL HAVE A TWO-HOUR FIRE RESISTANCE RATING PER ASTM E119.

SECTION 230719 - HVAC PIPING INSULATION
1. HOT WATER PIPING: MINERAL-FIBER, PREFORMED PIPE, TYPE I: 2 INCHES.
2. CONDENSATE DRAIN: MINERAL-FIBER, PREFORMED PIPE INSULATION, TYPE I: 1/2 INCH.
3. MINERAL-FIBER, PREFORMED PIPE: MINERAL OR GLASS FIBERS BONDED WITH A THERMOSETTING RESIN. COMPLY WITH ASTM C547. PREFORMED PIPE INSULATION: TYPE I, GRADE A WITH FACTORY-APPLIED ASJ. ASJ: WHITE, KRAFT-PAPER, FIBERGLASS-REINFORCED SCRIM WITH ALUMINUM-FOIL BACKING; COMPLYING WITH ASTM C1136, TYPE I. ASJ TAPE: WHITE VAPOR-RETARDER TAPE MATCHING FACTORY-APPLIED JACKET WITH ACRYLIC ADHESIVE, COMPLYING WITH ASTM C1136.
4. MINERAL-FIBER ADHESIVE: COMPLY WITH MIL-A-3316C, CLASS 2, GRADE A. ASJ ADHESIVE AND FSK AND PVDC JACKET ADHESIVE: COMPLY WITH MIL-A-3316C, CLASS 2, GRADE A, FOR BONDING INSULATION JACKET LAP SEAMS AND JOINTS.
5. STAPLES: OUTWARD-CLINCHING INSULATION STAPLES, NOMINAL 3/4 INCH WIDE, STAINLESS STEEL OR MONEL.
6. VAPOR-RETARDER MASTIC, WATER BASED; SUITABLE FOR INDOOR USE ON BELOW-AMBIENT SERVICES. WATER-VAPOR PERMEANCE: COMPLY WITH ASTM E96/E96M OR ASTM F1249.
7. REFRIGERANT PIPING: FLEXIBLE ELASTOMERIC. SUCTION: 2 INCHES, LIQUID: 1 INCH. CLOSED-CELL, SPONGE- OR EXPANDED-RUBBER MATERIALS. COMPLY WITH ASTM C534/C534M, TYPE I FOR TUBULAR MATERIALS.
8. SOLVENT-BASED FLEXIBLE ELASTOMERIC ADHESIVE. SERVICE TEMPERATURE RANGE: 40 TO 200 DEG F.
9. OUTDOOR PIPING: PVC JACKET 20 MILS THICK. HIGH-IMPACT-RESISTANT, UV-RESISTANT PVC COMPLYING WITH ASTM D1784, CLASS 16354-C. ADHESIVE: AS RECOMMENDED BY JACKET MATERIAL MANUFACTURER.
10. INSULATION SHALL BE CONTINUOUS THROUGH WALL AND ROOF PENETRATIONS.

SECTION 230923 - DIRECT DIGITAL CONTROL (DDC) SYSTEM FOR HVAC
1. UTILIZE EXISTING BAS (BUILDING AUTOMATION SYSTEM) ARCHITECTURE. ADD CONTROLLERS/HARDWARE AS REQUIRED.
2. NETWORK COMMUNICATION PROTOCOL(S) USED THROUGHOUT ENTIRE DDC SYSTEM SHALL BE OPEN TO OWNER AND AVAILABLE TO OTHER CONTRACTORS FOR USE IN MAKING FUTURE MODIFICATIONS TO DDC SYSTEM.
3. PROVIDE SPARE I/O POINT CAPACITY IN EACH NEW CONTROLLER EQUAL TO 20% OF POINTS.
4. UTILIZE MANUFACTURER'S PACKAGED CONTROLLERS FOR VAV TERMINALS. BAS SYSTEM SHALL MONITOR POINTS / CONTROL EQUIPMENT.

SECTION 230923.11 - CONTROL VALVES
1. DETERMINE CONTROL VALVE SIZES AND FLOW COEFFICIENTS BY ISA 75.01.01. CONTROL VALVE CHARACTERISTICS AND RANGEABILITY SHALL COMPLY WITH ISA 75.11.01.
2. PRESSURE DROP ACROSS MODULATING CONTROL VALVES AT DESIGN FLOW SHALL BE HALF OF THE TOTAL BRANCH PRESSURE DROP.
3. BALL VALVES WITH SINGLE PORT AND CHARACTERIZED DISK. BODY AND TAIL PIECE: CAST BRONZE ASTM B61, ASTM B62, ASTM B584, OR FORGED BRASS WITH NICKEL PLATING. FLOW CHARACTERISTIC: EQUAL PERCENTAGE.
4. COMMERCIAL-GRADE, THREE-WAY BUTTERFLY VALVES. ARRANGEMENT: TWO VALVES MATED TO A FABRICATED TEE WITH INTERCONNECTING MECHANICAL LINKAGE. BI-DIRECTIONAL BUBBLE TIGHT SHUTOFF AT 250 PSIG. COMPLY WITH MSS SP-67 OR MSS SP-68. BODY: CAST IRON ASTM A126, CLASS B, DUCTILE IRON ASTM A536 OR CAST STEEL ASTM A216/A216M WCB FULLY LUGGED, SUITABLE FOR MATING TO ASME B16.5 FLANGES.
5. ACTUATORS FOR HYDRONIC CONTROL VALVES: CAPABLE OF CLOSING VALVE AGAINST SYSTEM PUMP SHUTOFF HEAD. POSITION INDICATOR AND GRADUATED SCALE ON EACH ACTUATOR. OPERATION: CAPABLE OF STOPPING AT ALL POINTS ACROSS FULL RANGE, AND STARTING IN EITHER DIRECTION FROM ANY POINT IN RANGE. INTERNAL SPRING RETURN MECHANISM TO DRIVE CONTROLLED DEVICE TO AN END POSITION (OPEN OR CLOSE) ON LOSS OF POWER.

SECTION 230923.18 - LEAK DETECTION INSTRUMENTS
1. CABLE-TYPE, LEAK-DETECTION SWITCHES. CONTINUOUS TAPE INTEGRITY SELF CHECK. TAPE: HYDROPHOBIC WITH CONNECTOR ON EACH END.

SECTION 232113 - HYDRONIC PIPING
1. HOT-WATER HEATING PIPING: ASTM B88, TYPE L, DRAWN-TEMPER COPPER TUBING, WROUGHT-COPPER FITTINGS, AND BRAZED JOINTS.
2. CONDENSATE-DRAIN PIPING, PVC: SCHEDULE 40 PVC; ASTM D1785 PLASTIC PIPE AND FITTINGS AND SOLVENT-WELDED JOINTS. PVC PLASTIC PIPE FITTINGS: SOCKET-TYPE PIPE FITTINGS, ASTM D2466.
3. SOLVENT CEMENTS FOR CPVC PIPING: ASTM F493. SOLVENT CEMENTS FOR PVC PIPING: ASTM D2564. INCLUDE PRIMER ACCORDING TO ASTM F656
4. FILL SYSTEM WITH FRESH WATER AND ADD LIQUID ALKALINE COMPOUND WITH EMULSIFYING AGENTS AND DETERGENTS TO REMOVE GREASE AND PETROLEUM PRODUCTS FROM PIPING. CIRCULATE SOLUTION FOR A MINIMUM OF 24 HOURS, DRAIN, CLEAN STRAINER SCREENS, AND REFILL WITH FRESH WATER.
5. SUBJECT PIPING SYSTEM TO HYDROSTATIC TEST PRESSURE THAT IS NOT LESS THAN 1.5 TIMES THE SYSTEM'S WORKING PRESSURE. TEST PRESSURE SHALL NOT EXCEED MAXIMUM PRESSURE FOR ANY VESSEL, PUMP, VALVE, OR OTHER COMPONENT IN SYSTEM UNDER TEST. VERIFY THAT STRESS DUE TO PRESSURE AT BOTTOM OF VERTICAL RUNS DOES NOT EXCEED 90 PERCENT OF SPECIFIED MINIMUM YIELD STRENGTH OR 1.7 TIMES THE "SE" VALUE IN APPENDIX A IN ASME B31.9, "BUILDING SERVICES PIPING."
6. AFTER HYDROSTATIC TEST PRESSURE HAS BEEN APPLIED FOR AT LEAST 10 MINUTES, EXAMINE PIPING, JOINTS, AND CONNECTIONS FOR LEAKAGE. ELIMINATE LEAKS BY TIGHTENING, REPAIRING, OR REPLACING COMPONENTS, AND REPEAT HYDROSTATIC TEST UNTIL THERE ARE NO LEAKS.

SECTION 232116 - HYDRONIC PIPING SPECIALTIES
1. MANUAL AIR VENTS. BODY: BRONZE. OPERATOR: SCREWDRIVER OR THUMBSCREW. CWP RATING: 150.
2. Y-PATTERN STRAINERS. BODY: ASTM A126, CLASS B, CAST IRON WITH BOLTED COVER AND BOTTOM DRAIN CONNECTION. STRAINER SCREEN: STAINLESS-STEEL, 40-MESH STRAINER, OR PERFORATED STAINLESS-STEEL BASKET.STAINLESS-STEEL BELLOW, FLEXIBLE CONNECTORS. BODY: STAINLESS-STEEL BELLOWS WITH WOVEN, FLEXIBLE, BRONZE, WIRE-REINFORCING PROTECTIVE JACKET. PERFORMANCE: CAPABLE OF 3/4-INCH MISALIGNMENT. CWP RATING: 150 PSIG.

SECTION 232300 - REFRIGERANT PIPING
1. COPPER TUBE: ASTM B 88, TYPE K. WROUGHT-COPPER FITTINGS, BRAZED-JOINT: ASME B16.50
2. PROVIDE SHUT OFF VALVES AT ALL PORTS OF BRANCH SELECTOR (INCLUDING SPARE PORTS). PROVIDE FITTINGS AND ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S RECOMENDATIONS.
3. PROVIDE MANUFACTURER'S SYSTEM SUBMITTAL FOR VRV SYSTEM INCLUDING ACTUAL UNIT CAPACITIES AT DESIGN TEMPERATURES AND PIPE LENGTHS.

SECTION 233113 - METAL DUCTS
1. DUCT HANGERS AND SUPPORTS SHALL WITHSTAND THE EFFECTS OF GRAVITY LOADS AND STRESSES WITHIN LIMITS AND UNDER CONDITIONS DESCRIBED IN SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE.
2. AIRSTREAM SURFACES: SURFACES IN CONTACT WITH AIRSTREAM SHALL COMPLY WITH REQUIREMENTS IN ASHRAE 62.1. ASHRAE COMPLIANCE: APPLICABLE REQUIREMENTS IN ASHRAE 62.1, SECTION 5 - "SYSTEMS AND EQUIPMENT," AND SECTION 7 - "CONSTRUCTION AND SYSTEM STARTUP." ASHRAE/IES COMPLIANCE: APPLICABLE REQUIREMENTS IN ASHRAE/IES 90.1, SECTION 6.4.4 - "HVAC SYSTEM CONSTRUCTION AND INSULATION."
3. DUCT DIMENSIONS: UNLESS OTHERWISE INDICATED, ALL DUCT DIMENSIONS INDICATED ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS AND DO NOT INCLUDE INSULATION OR DUCT WALL THICKNESS.
4. GENERAL FABRICATION REQUIREMENTS: COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE" BASED ON INDICATED STATIC-PRESSURE CLASS UNLESS OTHERWISE INDICATED.
5. CONSTRUCT DUCTS OF GALVANIZED SHEET STEEL UNLESS OTHERWISE INDICATED. GALVANIZED SHEET STEEL: COMPLY WITH ASTM A653/A653M. FOR DUCTS EXPOSED TO WEATHER, CONSTRUCT OF TYPE 304 STAINLESS STEEL INDICATED BY MANUFACTURER TO BE SUITABLE FOR OUTDOOR INSTALLATION.
6. SOUND LINER. ½ INCH FLEXIBLE ELASTOMERIC DUCT LINER: PREFORMED, CELLULAR, CLOSED-CELL, SHEET MATERIALS COMPLYING WITH ASTM C534/C534M, TYPE II, GRADE 1; AND WITH NFPA 90A OR NFPA 90B.

7. FIELD-FABRICATED GREASE EXHAUST DUCTWORK
    A. DUCTS CONNECTED TO COMMERCIAL KITCHEN HOODS: COMPLY WITH NFPA 96.
    B. DUCTWORK AND SUPPORTS SHALL BE 16 GAUGE CARBON-STEEL SHEET. WELDED SEAMS AND JOINTS. AIRTIGHT AND WATERTIGHT. DUCT JOINTS SHALL BE FLANGED BUTT JOINTS OR OVERLAPPING JOINTS OF EITHER THE TELESCOPING OR BELL TYPE.
    C. DUCTWORK AND SUPPORTS EXPOSED TO WEATHER SHALL BE TYP 304, 18 GUAGE STAINLESS STEEL WITH NO. 2B FINISH.
    D. INSTALL COMMERCIAL KITCHEN HOOD EXHAUST DUCTS WITHOUT DIPS AND TRAPS THAT MAY HOLD GREASE, AND SLOPED A MINIMUM OF 2 PERCENT TO DRAIN GREASE BACK TO THE HOOD. SLOPE HOOD CONNECTIONS TO MAIN BACK TO HOOD.
    E. INSTALL FIRE-RATED ACCESS PANEL ASSEMBLIES AT EACH CHANGE IN DIRECTION AND AT MAXIMUM INTERVALS OF 20 FEET IN HORIZONTAL DUCTS, AND AT EVERY FLOOR FOR VERTICAL DUCTS, OR AS INDICATED ON DRAWINGS, AND WITHIN 3 FEET OF EXHAUST FAN INLET. LOCATE ACCESS PANEL ON TOP OR SIDES OF DUCT A MINIMUM OF 1-1/2 INCHES FROM BOTTOM OF DUCT.
    F. DO NOT PENETRATE FIRE-RATED ASSEMBLIES EXCEPT AS ALLOWED BY APPLICABLE BUILDING CODES AND AUTHORITIES HAVING JURISDICTION.
    G. ELBOWS IN GREASE DUCTWORK SHALL HAVE AN INSIDE RADIUS EQUAL TO THE WIDTH OF THE DUCT, EXCEPT WHERE SPACE CONDITIONS PROHIBIT, IN WHICH CASE THEY SHALL HAVE A MINIMUM 6" THROAT RADIUS AND A FULL HEEL RADIUS. SPLITTER VANES ARE NOT PERMITTED IN GREASE DUCTWORK. BRANCH CONNECTIONS TO THE MAIN SHALL BE MADE WITH A RADIUS TAPS AND HORIZONTAL OR VERTICAL SPLITS, AND SHALL CONNECT 1.5" ABOVE THE BOTTOM OF THE MAIN DUCT.
    H. PROVIDE DRAINS AT LOW POINTS IN HORIZONTAL DUCTS.

SECTION 233300 - AIR DUCT ACCESSORIES
1. STANDARD, STEEL, MANUAL VOLUME DAMPERS. 16-GAUGE-THICK, GALVANIZED SHEET STEEL. GALVANIZED STEEL; 16 GAUGE THICK. LOCKING DEVICE TO HOLD DAMPER BLADES IN A FIXED POSITION WITHOUT VIBRATION.
2. FIRE DAMPERS: STATIC AND DYNAMIC; RATED AND LABELED IN ACCORDANCE WITH UL 555 BY AN NRTL. 1-1/2 HOUR RATING. CURTAIN TYPE WITH BLADES OUTSIDE AIRSTREAM FABRICATED WITH ROLL-FORMED GALVANIZED STEEL; WITH MITERED AND INTERLOCKING CORNERS; GAUGE IN ACCORDANCE WITH UL LISTING. REPLACEABLE, 165 DEG F RATED, FUSIBLE LINKS.
3. MANUFACTURED TURNING VANES FOR METAL DUCTS: FABRICATE CURVED BLADES OF GALVANIZED SHEET STEEL; SUPPORT WITH BARS PERPENDICULAR TO BLADES SET; SET INTO VANE RUNNERS SUITABLE FOR DUCT MOUNTING. GENERAL REQUIREMENTS: COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE"; FIGURE 4-3, "VANES AND VANE RUNNERS," AND FIGURE 4-4, "VANE SUPPORT IN ELBOWS. SINGLE WALL FOR DUCTS UP TO 48 INCHES WIDE AND DOUBLE WALL FOR LARGER DIMENSIONS.
4. DUCT-MOUNTED ACCESS DOORS: FABRICATE ACCESS PANELS IN ACCORDANCE WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE"; FIGURE 7-2 (7-2M), "DUCT ACCESS DOORS AND PANELS," AND FIGURE 7-3, "ACCESS DOORS - ROUND DUCT. GALVANIZED SHEET METAL WITH INSULATION FILL AND THICKNESS AS INDICATED FOR DUCT PRESSURE CLASS. 24-GAUGE-THICK GALVANIZED STEEL DOOR PANEL. HINGES AND LATCHES: 1-BY-1-INCH BUTT OR PIANO HINGE AND CAM LATCHES.
5. FLEXIBLE CONNECTORS. FIRE-PERFORMANCE CHARACTERISTICS: ADHESIVES, SEALANTS, FABRIC MATERIALS, AND ACCESSORY MATERIALS SHALL HAVE FLAME-SPREAD INDEX NOT EXCEEDING 25 AND SMOKE-DEVELOPED INDEX NOT EXCEEDING 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84. AIRSTREAM SURFACES: SURFACES IN CONTACT WITH THE AIRSTREAM SHALL COMPLY WITH REQUIREMENTS IN ASHRAE 62.1. COATINGS AND ADHESIVES: COMPLY WITH UL 181, CLASS 1. INDOOR SYSTEM, FLEXIBLE CONNECTOR FABRIC: GLASS FABRIC DOUBLE COATED WITH NEOPRENE.

SECTION 233346 - FLEXIBLE DUCTS
1. INSULATED, FLEXIBLE DUCT: UL 181, CLASS 1, TWO-PLY VINYL FILM SUPPORTED BY HELICALLY WOUND, SPRING-STEEL WIRE; FIBROUS-GLASS INSULATION; POLYETHYLENE VAPOR-BARRIER FILM. PRESSURE RATING: 10-INCH WG POSITIVE AND 1.0-INCH WG NEGATIVE. COMPLY WITH ASHRAE/IES 90.1 FOR R VALUE.
2. CLAMPS: NYLON STRAP IN SIZES 3 THROUGH 18 INCHES, TO SUIT DUCT SIZE.
3. COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE" FOR ACCEPTABLE MATERIALS, MATERIAL THICKNESSES, AND DUCT CONSTRUCTION METHODS UNLESS OTHERWISE INDICATED. SHEET METAL MATERIALS SHALL BE FREE OF PITTING, SEAM MARKS, ROLLER MARKS, STAINS, DISCOLORATIONS, AND OTHER IMPERFECTIONS.

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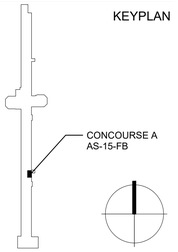

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MECHANICAL SPECIFICATIONS

SHEET NUMBER

M0.2

PROJECT NUMBER	1808

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Central Cooling Coil Sizing Data

Total coil load	5.5	Tons	Peak coil load occurs at	July 17:00	
Total coil load	66.5	MBH	OA DB / WB	93.0 / 73.9	F
Sensible coil load	51.1	MBH	Entering DB / WB	79.3 / 69.2	F
Coil CFM at peak load	3049	CFM	Leaving DB / WB	63.6 / 62.8	F
Sum of peak zone CFM	3566	CFM	Resulting RH	72	%
Sensible heat ratio	0.769		Design supply temp.	65.0	F
CFM/Ton	550.5		Zone T-stat Check	2 of 2	OK
sqft/Ton	222.3		Max zone temperature deviation	0.0	F
BTU/(hr sqft)	54.0				
Water flow @ 18.0 F rise	7.39	gpm			

Outdoor Ventilation Air Data

Design airflow CFM	577	CFM	CFM/person	18.03	CFM/person
CFM/sqft	0.47	CFM/sqft			

2 FOH HEAT LOAD
SCALE: NO SCALE

Central Cooling Coil Sizing Data

Total coil load	3.9	Tons	Peak coil load occurs at	July 16:00	
Total coil load	46.9	MBH	OA DB / WB	94.0 / 74.2	F
Sensible coil load	33.2	MBH	Entering DB / WB	79.7 / 66.5	F
Coil CFM at peak load	1196	CFM	Leaving DB / WB	53.6 / 53.4	F
Sum of peak zone CFM	1277	CFM	Resulting RH	55	%
Sensible heat ratio	0.707		Design supply temp.	55.0	F
CFM/Ton	305.8		Zone T-stat Check	1 of 1	OK
sqft/Ton	124.0		Max zone temperature deviation	0.0	F
BTU/(hr sqft)	96.8				
Water flow @ 10.0 F rise	N/A				

LOAD 1 USED TO DETERMINE THE AMOUNT OF 55°F SUPPLY AIR NEEDED TO OVERCOME INTERNAL HEAT LOAD AND KEEP KITCHEN AT 74°F.

Precool Coil Sizing Data

Total coil load	6.9	Tons	Load occurs at	June 15:00	
Total coil load	83.0	MBH	OA DB / WB	93.0 / 74.2	F
Sensible coil load	50.5	MBH	Entering DB / WB	92.9 / 74.2	F
Coil CFM at June 15:00	1200	CFM	Leaving DB / WB	53.6 / 53.2	F
Max coil CFM	1200	CFM			
Sensible heat ratio	0.609				
Water flow @ 10.0 F rise	N/A				

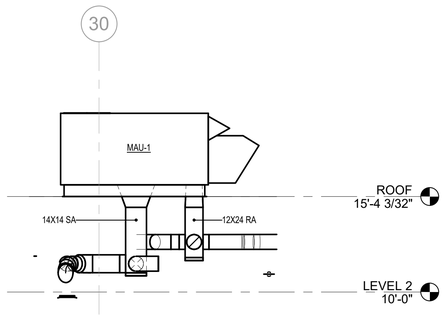
LOAD 2 USED TO DETERMINE THE MAU COOLING CAPACITY TO DELIVER THE REQUIRED 1200 CFM OF OUTSIDE AIR FOUND IN LOAD 1.

3 BOH HEAT LOAD
SCALE: NO SCALE

VARIABLE VOLUME TERMINAL SCHEDULE

MARK	DESIGN BASIS	PRIMARY AIR VALVE		HOT WATER HEATING COIL					REMARKS
		MAX. CFM	MIN. CFM	HEAT CFM	LAT (HEAT)	CAPACITY (MBH)	FLOW RATE	PIPE RUNOUT SIZE (IN)	
VAV-1	TITUS DESV	2000	1000	1000	90 °F	37.8	2.5 GPM	0.75	ALL
VAV-2	TITUS DESV	1500	750	750	90 °F	28.4	1.9 GPM	0.75	ALL

NOTES:
1. PROVIDE VARIABLE AIR VOLUME TYPE TERMINAL UNITS WITH WITH HOT WATER REHEAT COILS.
2. HOT WATER BASED ON 160°F EWT AND MAXIMUM 3' WATER PRESSURE DROP.
3. ALLOWABLE DIFFERENTIAL PRESSURE DROP ACROSS THE COMPLETE ASSEMBLY. INCLUDING HEATING COIL, SHALL NOT EXCEED O.3" WG AIR PRESSURE DROP.
4. MAXIMUM INLET AIR VELOCITY IS 2,000 FPM.
5. HEATING CAPACITY BASED ON 55°F ENTERING AIR TEMPERATURE AND 30° WATER DELTA T. HEATING CFM BASED ON MINIMUM CFM.
6. PROVIDE WITH FACTORY 120/24V TRANSFORMER.
7. PROVIDE WITH FACTORY DISCONNECT.

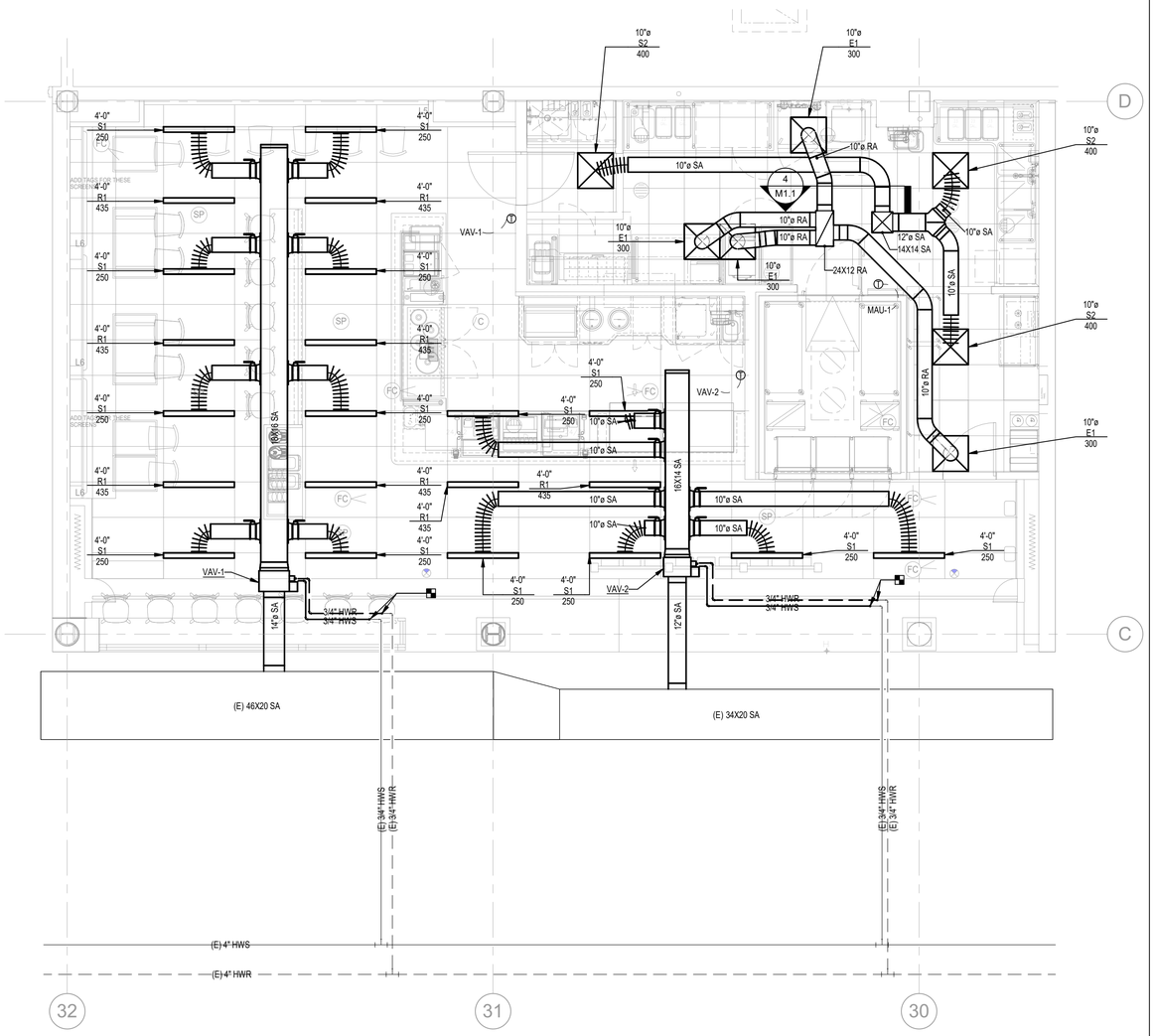


4 MAU ELEVATION
SCALE: 1/4" = 1'-0"

1/4" = 1'-0" SCALE 2 0 2 4 8 FEET

GRILLE, REGISTER & DIFFUSER SCHEDULE

MARK	DESCRIPTION	DIFFUSER SIZE	NECK SIZE	MOUNTING TYPE	DAMPER	FINISH	DESIGN BASIS
E1	PERFORATED ALUMINUM CEILING DIFFUSER, DUCT CONNECTION	24x24	AS NOTED	LAY-IN CEILING	RUNOUT DAMPER	WHITE	TITUS PAR-AA
R1	EXTRUDED ALUMINUM MODULAR SLOT DIFFUSER, 7/8" FLANGED BORDER - CONCEALED MOUNTING, FLANGED END BORDER, 12" HIGH INSULATED PLENUM.	48" LONG, 4 - 1" SLOTS	AS NOTED	SURFACE / EXPOSED	NO	FLAT BLACK INTERIOR WITH WHITE FACE/BORDER	TITUS ML-39 WITH MPI
S1	EXTRUDED ALUMINUM MODULAR SLOT DIFFUSER, 7/8" FLANGED BORDER - CONCEALED MOUNTING, FLANGED END BORDERS INDIVIDUALLY ADJUSTABLE SLOTS 180° PATTERN CONTROLLER, 12" HIGH INSULATED PLENUM.	48" LONG, 4 - 1" SLOTS	AS NOTED	SURFACE / EXPOSED	CABLE-OPERATED DAMPER, ADJUSTABLE THROUGH SLOT FACE	FLAT BLACK INTERIOR WITH WHITE FACE/BORDER	TITUS ML-39 WITH MPI
S2	STEEL SQUARE PLAQUE CEILING DIFFUSER, 4 WAY THROW, FULL FACE, WITH ROUND NECK, FACE PANEL, INSULATED BACK CONE	24x24	AS NOTED	LAY-IN CEILING	RUNOUT DAMPER	WHITE	TITUS OMNI



1 MECHANICAL - BOARDING LEVEL
SCALE: 1/4" = 1'-0"

1/4" = 1'-0" SCALE 2 0 2 4 8 FEET

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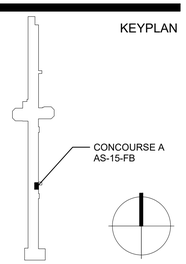

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MECHANICAL PLAN - BOARDING LEVEL

SHEET NUMBER

M1.1

PROJECT NUMBER	1808

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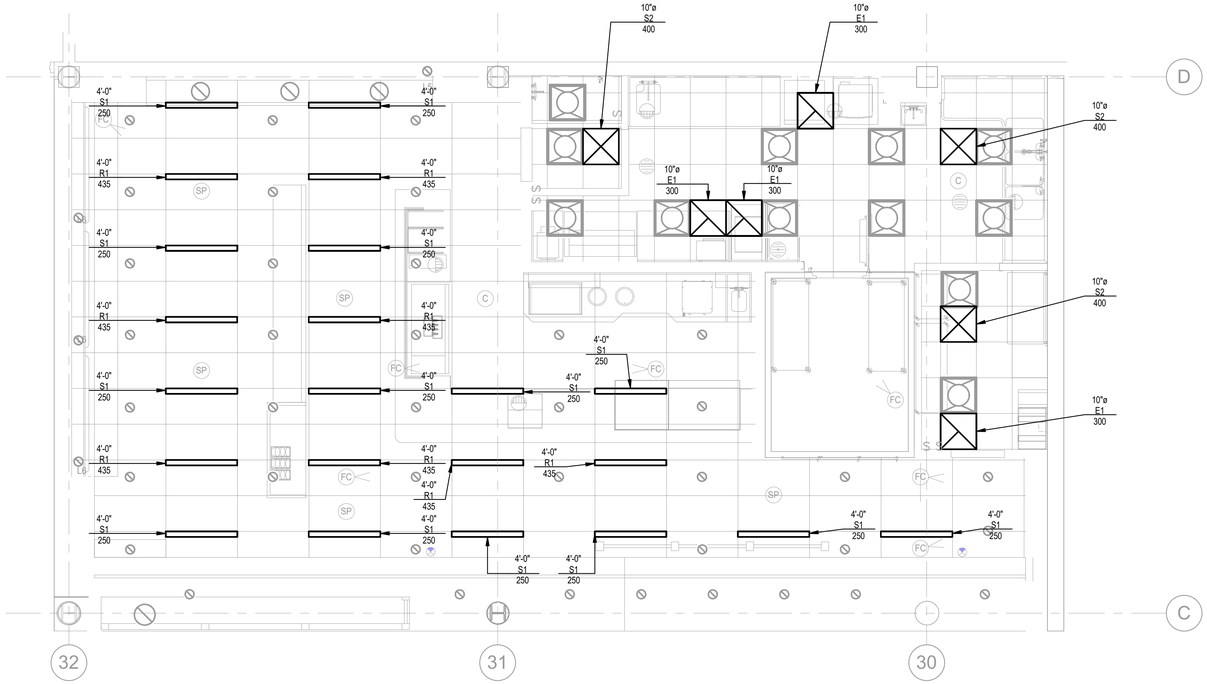

1 MECHANICAL - BOARDING LEVEL RCP

SCALE: 1/4" = 1'-0"

1/4" = 1'-0" 2 0 2 4 8 SCALE FEET

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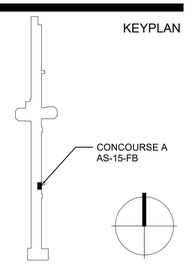

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MECHANICAL RCP PLAN - BOARDING LEVEL

SHEET NUMBER

M1.2

PROJECT NUMBER	1808

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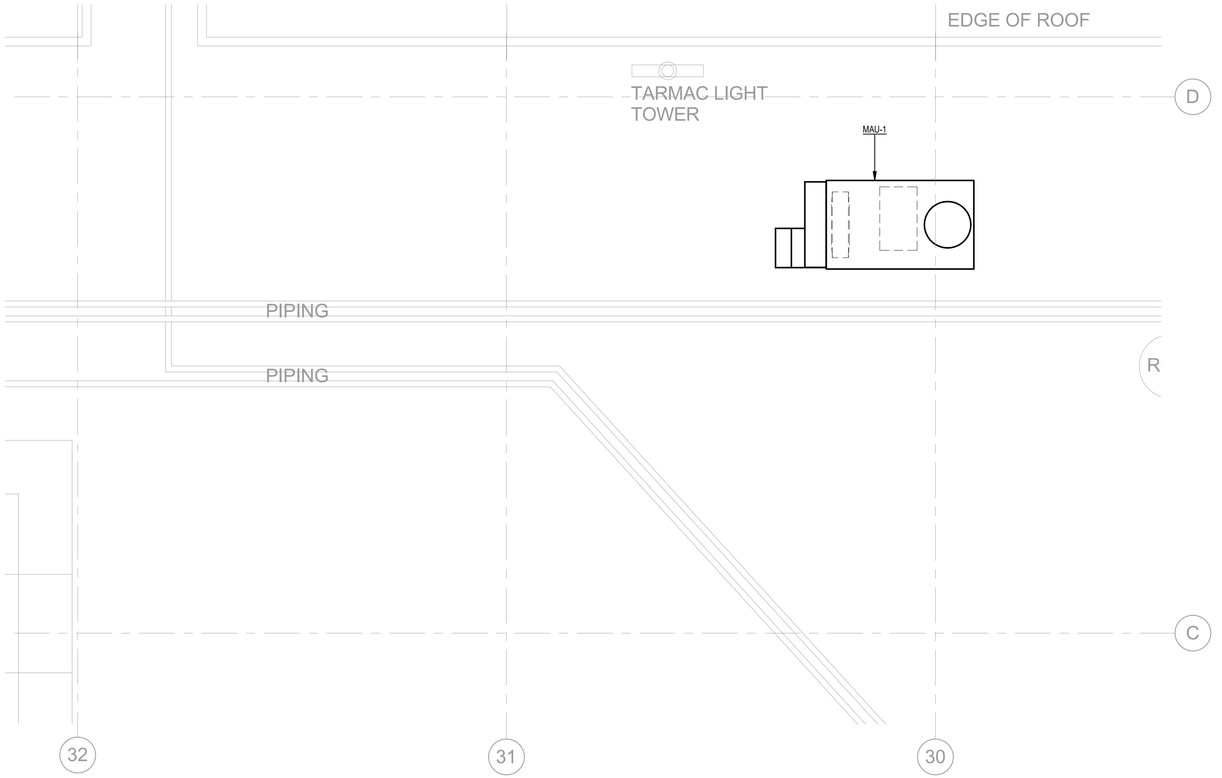
MAKEUP AIR UNIT SCHEDULE (GAS)

MARK	SUPPLY FAN			EXHAUST FAN			DIRECT EXPANSION COOLING SELECTION					NATURAL GAS HEATING SELECTION				HOT GAS RE-HEAT		FILTER	ELECTRICAL				WEIGHT (LBS)	DESIGN BASIS	REMARKS
	CFM	ESP	HP	CFM	ESP	HP	CAPACITY (TOTAL MBH)	CAPACITY (SENSIBLE MBH)	EAT (°F DB/WB)	COIL LAT (°F DB/WB)	REFRIGERANT	INPUT (MBH)	OUTPUT (MBH)	EAT (°F)	LAT (°F)	TYPE	CAPACITY (MBH)		FLA	MCA	MOP	VOLTAGE/HZ/PHASE			
MAU-1	1200	0.5	1	1200	0.5	1 1/2	89.3	46	93.8 / 77.2	54.9 / 54.6	R-454B	100	81	17 °F	79 °F	HGRH	39.1	2 - MERV 8, 2 - MERV 13	16.0	18.3	25	460/60/3	1600	GREENHECK RT-7J-C-G0	ALL

NOTES:
1. PROVIDE WITH FACTORY DISCONNECT.
2. PROVIDE WITH FACTORY VFDS.
3. PROVIDE WITH FACTORY WIRED AND MOUNTED SERVICE OUTLET.
4. PROVIDE WITH BACNet COMPATIBILITY.
5. PROVIDE WITH SMOKE DETECTOR.
6. PROVIDE WITH 14" ROOF CURB.
7. NATURAL GAS PRESSURE 7"-11" WG.
8. PROVIDE WITH HEATING TURNDOWN 10:1.



1 **MECHANICAL - ROOF**
SCALE: 1/4" = 1'-0"
2 0 2 4 8
1/4" = 1'-0" SCALE FEET

N

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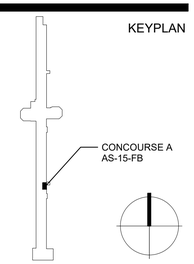

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MECHANICAL PLAN - ROOF

SHEET NUMBER
M1.3

PROJECT NUMBER 1808

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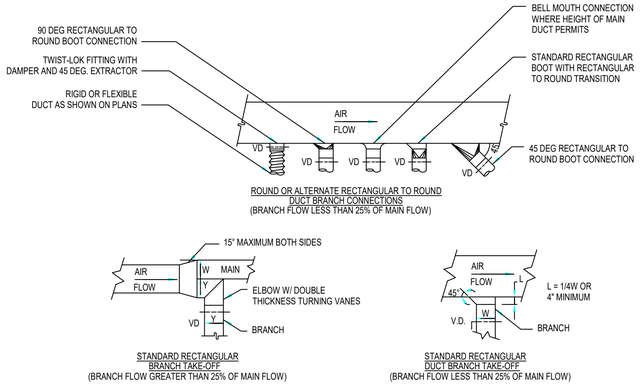
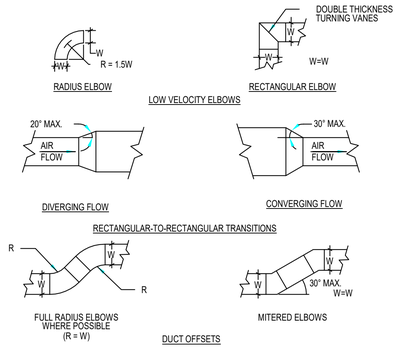
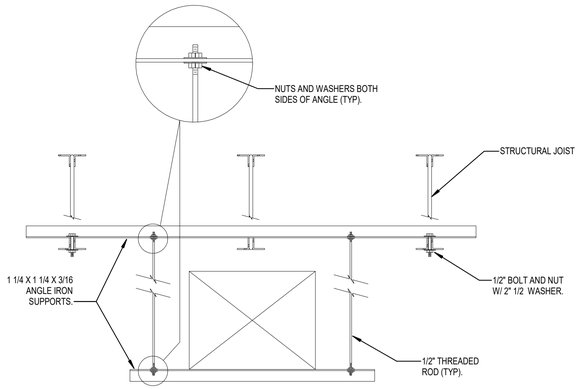


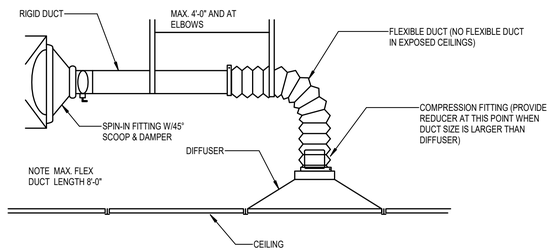
3 LOW VELOCITY DUCTWORK BRANCH TAKE-OFFS
SCALE: NO SCALE



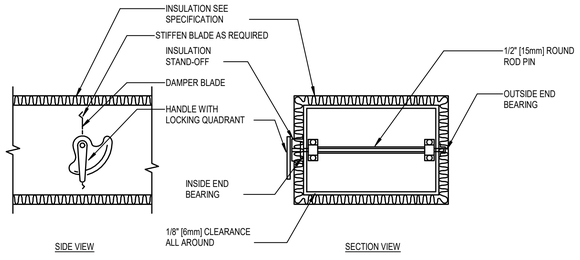
2 LOW VELOCITY DUCT FITTINGS
SCALE: NO SCALE



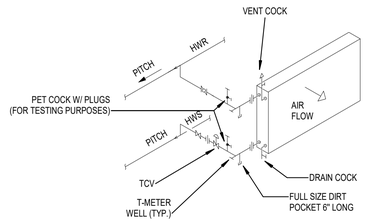
1 2-TYPICAL DUCT HANGER DETAIL
SCALE: NO SCALE



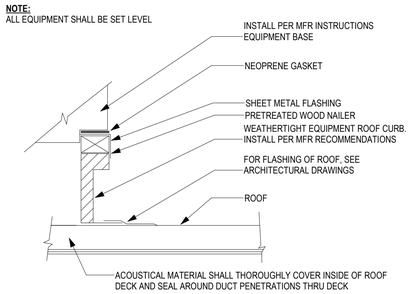
6 CEILING DIFFUSER DETAIL
SCALE: NO SCALE



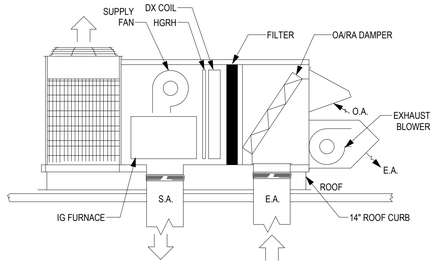
5 VOLUME DAMPER DETAIL
SCALE: NO SCALE



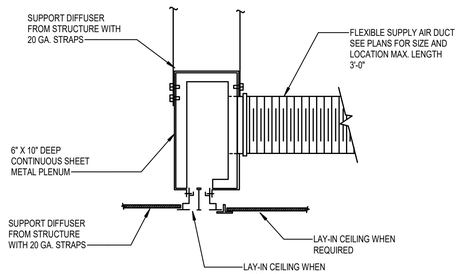
4 PIPING TO HOT WATER REHEAT COIL
SCALE: NO SCALE



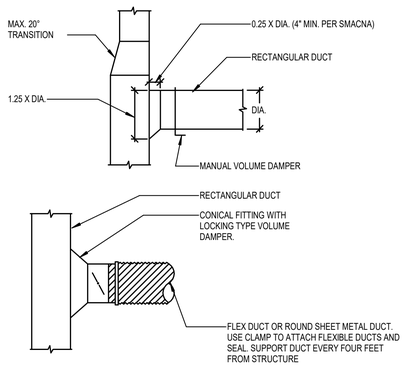
10 ROOF CURB DETAIL
SCALE: NO SCALE



9 MAU DETAIL
SCALE: NO SCALE



8 SLOT DIFFUSER DETAIL
SCALE: NO SCALE



7 BRANCH DUCT DETAIL
SCALE: NO SCALE

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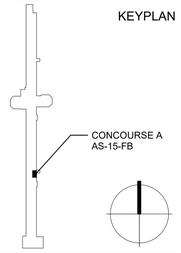

REVISION		
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MECHANICAL DETAILS

SHEET NUMBER

M5.1

PROJECT NUMBER	1808

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VAV SEQUENCE OF OPERATION:

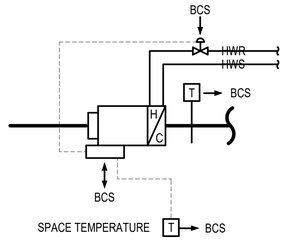
THE CONTROLS FOR VARIABLE VOLUME TERMINAL UNITS WITH REHEAT SHALL FUNCTION AS FOLLOWS:

1. MODULATE THE TERMINAL UNIT AIR VALVE FROM THE MAXIMUM FLOW TO THE COOLING MINIMUM FLOW TO MAINTAIN COOLING SPACE TEMPERATURE SETPOINT, INITIALLY SET TO 74°F.

2. IF THE TERMINAL UNIT AIR VALVE IS COMMANDED TO THE COOLING MINIMUM FLOW AND SPACE TEMPERATURE DROPS BELOW HEATING SETPOINT (INITIALLY SET TO 70°F), SET THE TERMINAL UNIT AIR VALVE TO THE HEATING MINIMUM AIRFLOW, AND INCREASE THE TERMINAL UNIT DISCHARGE AIR TEMPERATURE SETPOINT TO A MAXIMUM OF 90°F TO MAINTAIN HEATING SPACE TEMPERATURE SETPOINT.

3. IF TERMINAL UNIT DISCHARGE AIR TEMPERATURE IS AT MAXIMUM AND SPACE TEMPERATURE DROPS BELOW HEATING SETPOINT, MODULATE THE TERMINAL UNIT AIR VALVE FROM THE HEATING MINIMUM AIRFLOW TO THE SCHEDULED HEATING MAXIMUM AIRFLOW. IF THE AHU CHILLED WATER VALVE IS NOT CLOSED, THE HEATING MAXIMUM AIRFLOW SHALL BE LIMITED TO 50% OF THE COOLING MAXIMUM AIRFLOW. IF THE AHU CHILLED WATER VALVE IS CLOSED, HEATING MAXIMUM AIRFLOW SHALL BE EQUAL TO THE SCHEDULED VALUE.

4. AT ALL TIMES, MODULATE THE REHEAT COIL CONTROL VALVE TO MAINTAIN TERMINAL UNIT DISCHARGE AIR TEMPERATURE SETPOINT.



NOTES:
1. FAILURE MODE
O - ON OR OPEN
C - OFF OR CLOSE
L - LAST COMMAND

BCS CONTROLLER INPUT/OUTPUT SUMMARY

VAV TERMINAL UNITS

	OUTPUTS								INPUTS								SOFTWARE											
	DIGITAL				ANALOG				DIGITAL					ANALOG			ALARM		BCS	ENERGY MGMT.									
	SYSTEM GRAPHIC DISPLAY	START/STOP	ENABLE/DISABLE	OPEN/CLOSE	SETPOINT ADJUST	BCS CONTROL			CURRENT SENSING RELAY	DIFFERENTIAL PRESSURE SWITCH	AUXILIARY CONTACT	ALARM CONTACT	PULSE CONTACT	TEMPERATURE	RELATIVE HUMIDITY	PRESSURE	FLOW	CARBON DIOXIDE	STATUS/INTERLOCK	HIGH/LOW LIMIT	RUN TIME TOTALIZATION	PROPORTIONAL	PROPORTIONAL + INTEGRAL	SCHEDULED START/STOP	OPTIMUM START/STOP	DEMAND LIMIT CYCLE	ENERGY USE TOTALIZATION	TRENDING AND ARCHIVING			FAILURE MODE (SEE NOTE 1)	NOTES
VAV TERMINAL UNIT (VAV-1)	●																													
AIR VALVE CONTROL						●																●							O	
AIR FLOW																●				●						●				
REHEAT COIL HOT WATER VALVE						●																●							L	
DISCHARGE TEMPERATURE														●					●											
SPACE TEMPERATURE														●					●											

1 HVAC CONTROLS TERMINAL UNITS - REHEAT

SCALE: NO SCALE

MAU SEQUENCE OF OPERATION:

FACTORY CONTROLLER: CONTROLLER SHALL BE PROVIDED WITH REQUIRED SENSORS AND PROGRAMMING FOR ROOFTOP UNIT. CONTROLLER SHALL BE FACTORY PROGRAMMED, MOUNTED AND TESTED. CONTROLLER SHALL HAVE A LCD READOUT FOR CHANGING SET POINTS AND MONITORING UNIT OPERATION.

UNIT START COMMAND:
- FACTORY MOUNTED AND WIRED OUTDOOR AIR AND RECIRCULATED AIR DAMPER ACTUATORS ARE POWERED.
- EXHAUST FAN STARTS AFTER A (ADJ.) DELAY.
- SUPPLY FAN STARTS AFTER A (ADJ.) DELAY.
- TEMPERING OPTIONS TO FUNCTION AS DESCRIBED BELOW.

UNIT STOP COMMAND (OR DE-ENERGIZED):
- SUPPLY FAN, EXHAUST FAN AND TEMPERING OPTIONS DE-ENERGIZED.
- OUTDOOR AIR DAMPER ACTUATOR IS SPRING RETURN CLOSE, AND THE RECIRCULATED AIR DAMPER ACTUATOR IS SPRING OPEN.

OCCUPIED/UNOCCUPIED MODES: SHALL BE BASED ON A 7-DAY TIME CLOCK INTERNAL TO THE CONTROLLER. THE SCHEDULE SHALL BE SET BY THE END USER. WHEN A USER INITIATES AN OVERRIDE INPUT, THE CONTROLLER WILL SWITCH FROM UNOCCUPIED TO OCCUPIED MODE. THE CONTROLLER WILL RETURN TO THE SCHEDULED OCCUPIED/UNOCCUPIED MODE AFTER THE OVERRIDE TIME HAS EXPIRED. IF INTERNAL TIME CLOCK IS DISABLED, A REMOTE CONTACT OR A BMS CAN CONTROL THE OCCUPIED/UNOCCUPIED MODE.

OCCUPIED MODE:
- DAMPER CONTROL PER BELOW.
- EXHAUST FAN ON.
- SUPPLY FAN ON.
- HEATING PER BELOW.
- COOLING PER BELOW.

UNOCCUPIED MODE (CYCLE ON ROOM TEMP): THE UNIT WILL CYCLE TO MAINTAIN UNOCCUPIED ROOM SET POINTS IF THERE IS A CALL FOR UNOCCUPIED HEATING, COOLING OR DEHUMIDIFICATION.
- SUPPLY FAN OFF
- EXHAUST FAN OFF
- RECIRCULATION AIR DAMPER OPEN.
- OUTDOOR AIR DAMPER CLOSED.
- ON A CALL FOR HEATING (ROOM TEMP SET POINT – DIFFERENTIAL) SUPPLY FAN CYCLES ON, AND THE HEATING INCREASES THE ROOM TEMPERATURE. UNIT CYCLES OFF WHEN ROOM TEMPERATURE REACHES THE UNOCCUPIED SET POINT (ADJ.).
- ON A CALL FOR DEHUMIDIFICATION (ROOM RELATIVE HUMIDITY SET POINT + DIFFERENTIAL) DEHUMIDIFICATION IS ENABLED.

MORNING WARMUP/COOL DOWN: PRIOR TO OCCUPANCY, THE UNIT WILL RUN USING THE WARMUP OR COOL DOWN SEQUENCE UNTIL THE OCCUPIED SET POINT IS ACHIEVED. THE HEATING OR COOLING MODE MUST NOT BE LOCKED OUT AND THE SPACE TEMPERATURE IS BELOW OR ABOVE SET POINT BY THE UNOCCUPIED HYSTERESIS (ADJ.) (THIS SEQUENCE MUST BE FIELD CONFIGURED.)

SUPPLY BLOWER SEQUENCE: THE SUPPLY BLOWER IS PROVIDED WITH A FACTORY MOUNTED VARIABLE FREQUENCY DRIVE. THE SUPPLY BLOWER SPEED WILL BE CONTROLLED WITH THE FOLLOWING SEQUENCE. MINIMUM SUPPLY FAN TURNDOWN IS 50% OF THE DESIGN MAXIMUM OPERATION.

CONSTANT VOLUME-ADJ. SETPOINT: THE SUPPLY BLOWER WILL OPERATE AT A CONSTANT SPEED SET POINT (ADJ.) DURING OPERATION.

OUTDOOR AIR AND RE-CIRCULATED (RECIRC) AIR DAMPER CONTROL: THE OUTDOOR AND RECIRCULATED AIR DAMPERS ARE FACTORY MOUNTED AND WIRED. OUTSIDE AIR DAMPER AND RECIRCULATION DAMPER WILL BE INVERSE POSITIONS OF EACH OTHER. EXAMPLE, WHEN THE OUTSIDE AIR DAMPER IS SET TO 35% OPENING, THE RECIRCULATION DAMPER WILL BE AT 65% OPENING. THE MODULATING ACTUATOR WILL BE CONTROLLED TO DICTATE POSITION BY THE FOLLOWING SEQUENCE.

EXHAUST BLOWER SEQUENCE:THE EXHAUST BLOWER IS PROVIDED WITH A FACTORY MOUNTED VARIABLE FREQUENCY DRIVE. THE EXHAUST BLOWER SPEED CAN BE CONTROLLED WITH THE FOLLOWING SEQUENCE.

DAMPER TRACKING:OUTDOOR AIR DAMPER TRACKING: THE CONTROLLER WILL PROPORTIONALLY MODULATE THE EXHAUST BLOWER BASED UPON THE OUTDOOR AIR DAMPER POSITION.

COOLING SEQUENCE: THE COOLING IS CONTROLLED TO MAINTAIN THE SUPPLY TEMPERATURE SET POINT. THE MECHANICAL COOLING WILL BE LOCKED OUT WHEN THE OUTSIDE AIR IS < 55 F (ADJ.).

PACKAGED DX COOLING (INVERTER SCROLL): THE CONTROLLER WILL PROVIDE A MODULATING SIGNAL FOR COOLING. FROM 0-100%, THE INVERTER SCROLL WILL BE CONTROLLED TO MAINTAIN DISCHARGE TEMPERATURE. THE ELECTRONIC EXPANSION VALVE WILL MODULATE TO MAINTAIN 8 OF SUPERHEAT.

MODULATING HOT GAS REHEAT SEQUENCE: DURING DEHUMIDIFICATION THE MODULATING HGRH IS CONTROLLED TO MAINTAIN THE SUPPLY TEMPERATURE SET POINT.

MODULATING HEAD PRESSURE CONTROL: ALL CONDENSER FANS WILL HAVE EC MOTORS AND WILL MODULATE IN SYNC TO MAINTAIN A HEAD PRESSURE SET POINT.

	HARDWARE POINTS				SOFTWARE POINTS						
POINT NAME	AI	AO	BI	BO	AV	BV	LOOP	SCHED	TREND	ALARM	GRAPHIC
FILTER DIFFERENTIAL PRESSURE	X								X		X
ZONE SETPOINT ADJUST	X										X
ZONE TEMP	X								X		X
RETURN AIR DAMPER		X							X		X
OUTSIDE AIR DAMPER		X							X		X
SMOKE DETECTOR			X						X	X	X
FREEZESTAT			X						X	X	X
EXHAUST FAN STATUS			X						X		X
SUPPLY FAN STATUS			X						X		X
OUTDOOR AIR DAMPER STATUS			X						X		X
COOLING STAGE				X					X		X
HEATING STAGE				X					X		X
SUPPLY FAN START/STOP				X					X		X
EXHAUST FAN START/STOP				X					X		X
COOLING SETPOINT					X				X		X
HEATING SETPOINT					X				X		X
SCHEDULE								X			
COMPRESSOR RUNTIME EXCEEDED										X	
FILTER CHANGE REQUIRED										X	
HIGH ZONE TEMP										X	
LOW ZONE TEMP										X	
OUTSIDE AIR DAMPER FAILURE										X	
OUTSIDE AIR DAMPER HAND										X	
SUPPLY FAN FAILURE										X	
SUPPLY FAN IN HAND										X	
SUPPLY FAN RUNTIME EXCEEDED										X	
EXHAUST FAN FAILURE										X	
EXHAUST FAN IN HAND										X	
EXHAUST FAN RUNTIME EXCEEDED										X	

DEHUMIDIFICATION ENABLE: DEHUMIDIFICATION MODE TO BE ENABLED BASED ON THE OUTSIDE AIR DEW POINT CONDITION. WHEN THE OUTSIDE AIR DEW POINT IS GREATER THAN THE DESIRED SET POINT (ADJ.), THE UNIT WILL OPERATE IN DEHUMIDIFICATION MODE.

REHEAT SEQUENCE: WHILE THE UNIT IS IN DEHUMIDIFICATION MODE THE OUTDOOR AIR WILL BE REHEATED VIA MODULATING HOT GAS REHEAT FOR SPACE NEUTRAL APPLICATIONS.

MODULATING HOT GAS REHEAT: THE CONTROLLER WILL MODULATE THE HOT GAS REHEAT REHEAT VALVE WITH A 0-10 V SIGNAL TO MAINTAIN THE SUPPLY TEMPERATURE SET POINT (ADJ.).

HEATING SEQUENCE: THE HEATING IS CONTROLLED TO MAINTAIN THE SUPPLY TEMPERATURE SET POINT. THE HEATING WILL BE LOCKED OUT WHEN THE OUTSIDE AIR IS > 80 F (ADJ.).

INDIRECT GAS FURNACE: THE CONTROLLER WILL MODULATE THE INDIRECT GAS FURNACE TO MAINTAIN THE SUPPLY TEMPERATURE SET POINT (ADJ.).

UNIT LEAK DETECTION AND MITIGATION: THE UNIT WILL BE EQUIPPED WITH REFRIGERANT LEAK DETECTION SENSORS. THESE SENSORS ALONG WITH THE FOLLOWING SEQUENCE OF OPERATION ARE REQUIRED PER UL60335-2-40.

REFRIGERANT LEAK DETECTED IN AIR TUNNEL: IF A REFRIGERANT LEAK IS DETECTED IN THE AIR TUNNEL, THE SUPPLY FAN WILL OPERATE AT MINIMUM AIRFLOW REQUIREMENT, RECIRCULATION DAMPER TO BE FULLY OPEN, OUTSIDE AIR DAMPER WILL BE CLOSED, POWERED EXHAUST FAN WILL OPERATE BASED CONFIGURED SEQUENCE, AND COMPRESSORS ARE DISABLED TO REDUCE LEAKAGE RATE. THIS OPERATION IS REQUIRED IN ORDER TO MOVE STAGNANT REFRIGERANT FROM WITHIN THE UNIT, DUCT, AND SPACE ENSURING PROPER DILUTION OF THE REFRIGERANT. THIS OPERATION IS REQUIRED EVEN IF THE UNIT IS CALLED TO BE OFF. AFTER LEAK DETECTION IS CLEARED, THE UNIT WILL GO BACK TO NORMAL OPERATION. EXCEPTION TO THIS OPERATION IS WHEN THE UNIT IS RECEIVING AN ACTIVE FIRE ALARM SIGNAL AT THE UNIT CONTROLLER. IF UNIT CONTROLLER IS RECEIVING A FIRE ALARM INPUT, THE UNIT WILL NOT OPERATE THE LEAK MITIGATION SUPPLY FAN SEQUENCE.

DRY ALARM CONTACTS AVAILABLE TO ALLOW THE BUILDING (BY OTHERS) TO PERFORM EXTERNAL MITIGATION ACTIONS WHEN NECESSARY. THESE BY OTHER EXTERNAL ACTIONS INCLUDE OPENING OF ZONE DAMPERS IN THE DUCTWORK, DISABLING DUCT MOUNTED ELECTRIC RESISTANCE HEATERS, AND/OR ENABLING ADDITIONAL MECHANICAL VENTILATION IF REQUIRED PER ASHRAE 15.

REFRIGERANT LEAK DETECTED IN COMPRESSOR COMPARTMENT: IF A REFRIGERANT LEAK IS DETECTED IN THE COMPRESSOR COMPARTMENT AND THE UNIT IS CONFIGURED WITH AN INDIRECT GAS FURNACE, THE FURNACE WILL BE DISABLED WHILE LEAK DETECTION IS ACTIVE. AFTER LEAK DETECTION IS CLEARED, THE UNIT WILL GO BACK TO NORMAL OPERATION.

TEMPERATURE CONTROL SEQUENCE: THE UNIT WILL MAINTAIN THE SUPPLY AIR DISCHARGE SETPOINT PER THE FOLLOWING. ADJUSTABLE LOCALLY OR BY BMS.

SPACE SETPOINT CONTROL: THE SUPPLY SETPOINT WILL ADJUST BETWEEN MINIMUM (ADJ.) AND MAXIMUM (ADJ.) LIMITS, TO SATISFY THE DESIRED SPACE TEMPERATURE SETPOINT. ADJUSTABLE LOCALLY OR BY BMS.

ROOM RESET: THE CONTROLLER WILL RESET THE SUPPLY AIR TEMPERATURE SET POINT TO MAINTAIN THE ROOM TEMPERATURE SET POINT (ADJ.).

BUILDING FREEZE PROTECTION: IF THE SUPPLY AIR TEMPERATURE DROPS BELOW 35 F (ADJ.) FOR 300 S (ADJ.), THE CONTROLLER WILL DE-ENERGIZE THE UNIT AND ACTIVATE THE ALARM OUTPUT.

TEMPERATURE PROTECTION (WINTER RAMP): THE CONTROLLER WILL ENABLE THE OUTDOOR AIR AND RECIRC. AIR DAMPERS TO MODULATE IN ORDER TO HELP THE UNIT KEEP UP WITH HEATING DEMAND IN THE EVENT OF THE UNIT OPERATING OUTSIDE DESIGN CONDITIONS. (THIS CAN BE ENABLED IN THE CONTROLLER.)

ECONOMIZER SEQUENCE: WHEN THE APPLICATION REQUIRES COOLING, AND THE OUTDOOR AIR CONDITIONS ARE SUITABLE FOR FREE COOLING, THE CONTROLLER WILL MODULATE THE OUTDOOR AIR AND RECIRCULATED AIR DAMPERS TO MAINTAIN THE DISCHARGE TEMPERATURE SET POINT. IF THE OUTDOOR AIR DAMPER MODULATES TO THE MAXIMUM ECONOMIZER SET POINT AND THE DISCHARGE TEMPERATURE IS NOT MET, THE CONTROLLER WILL INCREASE THE CALL FOR COOLING TO MEET THE DISCHARGE TEMPERATURE AND COULD ENGAGE MECHANICAL COOLING.

TEMPERATURE: THE ECONOMIZER WILL BE LOCKED OUT WHEN: THE OUTSIDE AIR TEMPERATURE IS OUTSIDE OF THE SET POINT RANGES SET WITHIN THE CONTROLLER (ADJ.), THE UNIT IS OPERATING IN DEHUMIDIFICATION MODE, OR THERE IS A CALL FOR HEATING.

ALARMS INDICATION: THE CONTROLLER WILL DISPLAY ALARMS AND HAVE ONE DIGITAL OUTPUT FOR REMOTE INDICATION OF AN ALARM CONDITION. POSSIBLE ALARMS INCLUDE:

BUILDING MANAGEMENT SYSTEM: THE CONTROLLER WILL SEND ALL ALARMS TO THE BMS.

DX ALARM: THE CONTROLLER MONITORS THE REFRIGERANT PRESSURE. IN THE CASE OF LOW REFRIGERANT PRESSURE THE COMPRESSORS WILL SHUT DOWN UNTIL REFRIGERANT PRESSURE RETURNS TO NORMAL VALUES AND THE CONTROLLER WILL SEND AN ALARM. IN THE CASE OF HIGH REFRIGERANT PRESSURE THE COMPRESSORS WILL SHUT DOWN, REQUIRING A MANUAL RESET AND THE CONTROLLER WILL SEND A ALARM.

TEMPERATURE SENSOR ALARM: THE CONTROLLER SENDS AN ALARM IN THE CASE OF A FAILED AIR TEMPERATURE SENSOR.

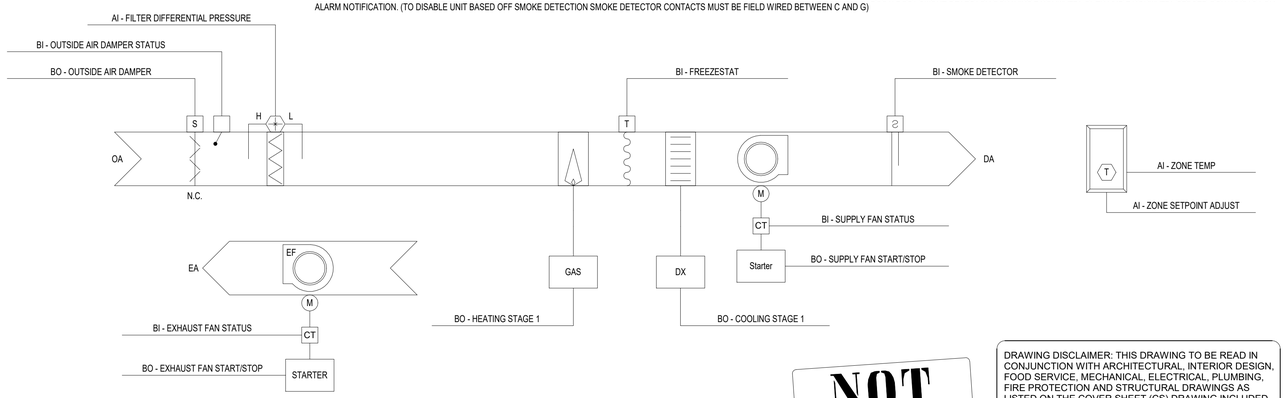
ACCESSORIES: THE FOLLOWING ACCESSORIES WILL BE INCLUDED WITH THE UNIT TO EXPAND THE FUNCTIONALITY OR USABILITY OF THE CONTROLLER.

BMS INTERFACING: A BMS PORT OR SERIAL CARD IS PROVIDED WITH THE CONTROLLER FOR FIELD INTERFACING WITH A BUILDING MANAGEMENT SYSTEM. EACH CARD IS SENT OUT WITH THE DEFAULT PARAMETERS, AND THE CONTROLS CONTRACTOR MUST CHANGE THE APPROPRIATE ADDRESSES TO MATCH THE BMS SETTINGS.

CONDENSATE OVERFLOW UNIT SHUTDOWN: FACTORY MOUNTED CONDENSATE OVERFLOW SWITCH WIRED TO THE UNIT CONTROLLER. THE CONTROLLER MONITORS THE CONDENSATE OVERFLOW SWITCH. IF THE WATER LEVEL IN THE DRAIN PAN REACHES A CERTAIN LEVEL, THE UNIT WILL SHUTDOWN AND SEND AN ALARM.

AIRFLOW MONITORING: THE SUPPLY FAN WILL HAVE AN AIRFLOW MONITORING PRESSURE TAP ON THE INLET CONE. THE DIFFERENTIAL PRESSURE ACROSS THE FAN CONE IS CONVERTED TO AN AIRFLOW READING BY USING THE ENERGY CONSERVATION PRINCIPLE AND THE FAN WHEEL K-FACTOR. THE AIRFLOW CAN BE MONITORED VIA THE LCD AND BAS.

120V/24V PHOTOELECTRIC SMOKE DETECTOR: DUCT SMOKE DETECTOR IS SHIPPED LOOSE FOR FIELD MOUNTING AND WIRING IN THE SUPPLY AIR DUCT. DUCT SMOKE DETECTOR CONTAINS 2 NORMALLY OPEN AND 2 NORMALLY CLOSED CONTRACTS FOR ALARM NOTIFICATION. (TO DISABLE UNIT BASED OFF SMOKE DETECTION SMOKE DETECTOR CONTACTS MUST BE FIELD WIRED BETWEEN C AND G)



2 HVAC CONTROLS MAU

SCALE: NO SCALE

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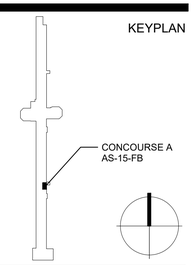

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AS-15-FB
CORNER CAFE

MECHANICAL CONTROLS

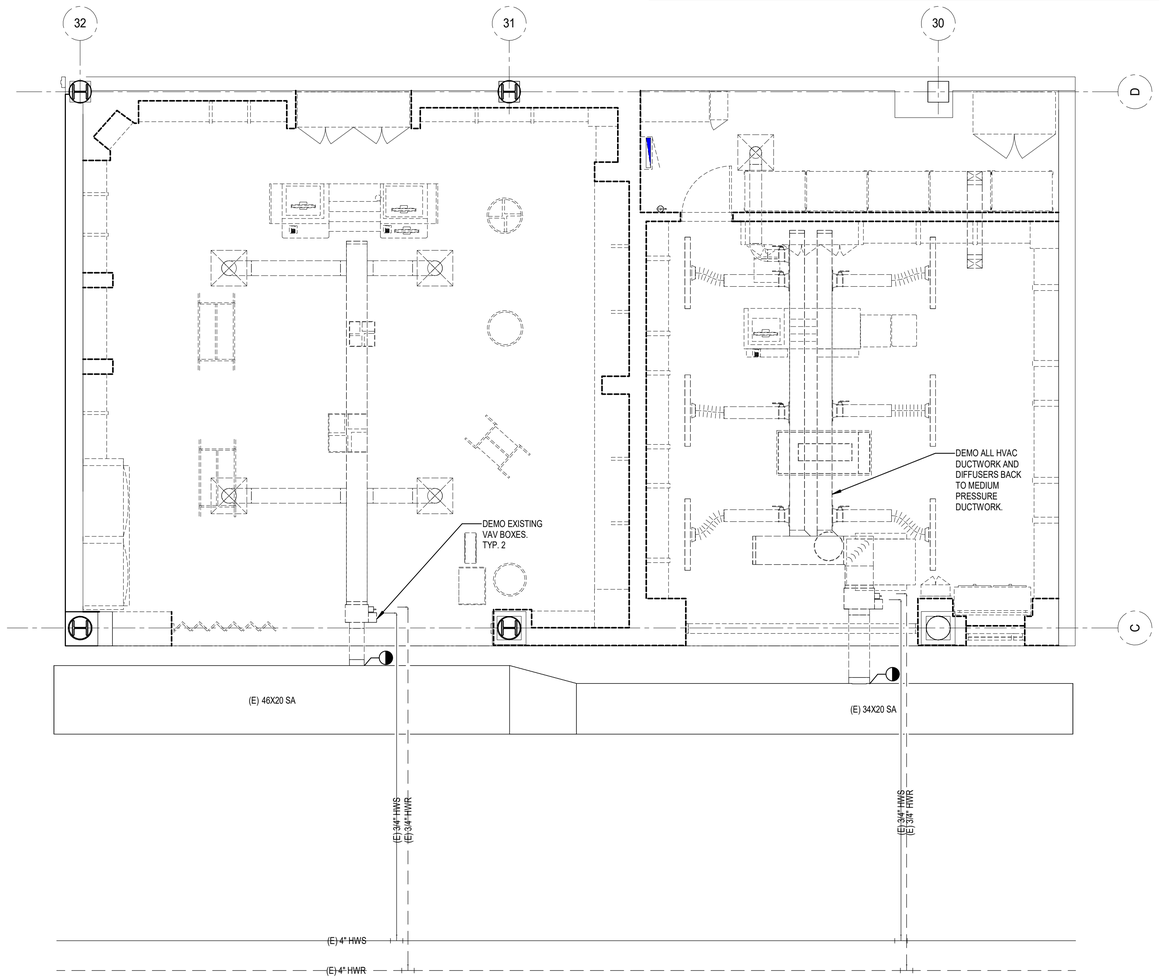
SHEET NUMBER

M7.1

PROJECT NUMBER	1808

MECHANICAL DEMOLITION NOTES

1. VERIFY THAT SYSTEMS ARE NO LONGER IN SERVICE TO ANY AREAS OUTSIDE THE WORK AREA OF THIS CONTRACT PRIOR TO REMOVAL OF EQUIPMENT, AND DUCTWORK.
2. FOR ALL AREAS ADJACENT TO THE CONSTRUCTION SITE THAT WILL REMAIN OCCUPIED MAINTAIN ALL SERVICES (AIR SYSTEMS, SERVICE PIPING, ELECTRICAL, ETC.) TO THESE AREAS AS INDICATED, AS REQUIRED AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE IN THE FIELD.
3. NOTIFY THE OWNER AT LEAST 14 DAYS IN ADVANCE OF ANY REQUIRED SHUTDOWN OF SERVICE UTILITIES, HVAC SYSTEMS OR ELECTRICAL SERVICE. UPON RECEIPT OF APPROVAL FROM THE OWNER, PERFORM SHUTDOWNS ON PREMIUM TIME BETWEEN THE HOURS OF 7 PM AND 7 AM UNLESS OTHERWISE DIRECTED BY THE OWNER.
4. DISCONNECT EXISTING DUCTS NO LONGER REQUIRED TO REMAIN IN SERVICE AND REMOVE BACK TO SERVICE MAINS AND TRUNK DUCTS, INCLUDING EXISTING DUCT HANGERS, SUPPORTS, AND AIR DEVICES. CAP EXISTING DUCTS AT EXTENT OF DEMOLITION. DUE TO CONCEALMENT, THE EXTENT OF THE EXISTING DUCTWORK SYSTEMS MAY NOT BE FULLY SHOWN OR MAY DIFFER FROM THAT SHOWN.
5. CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EQUIPMENT, DUCTWORK, HANGERS, INSULATION, CONTROLS, AND APPURTENANCES AS PART OF SYSTEMS INDICATED TO BE REMOVED.
6. PATCH, REPAIR, AND PAINT (TO MATCH EXISTING ADJACENT SURFACES) ALL SURFACES NOT SCHEDULED FOR DEMOLITION THAT ARE DAMAGED OR OTHERWISE MARKED DUE TO REMOVAL OF EXISTING EQUIPMENT, DUCTWORK AND RELATED APPURTENANCES.
7. PROTECT ALL EQUIPMENT AND MATERIALS WHICH ARE INDICATED TO BE RELOCATED, REUSED, OR SALVAGED THROUGHOUT THE WORK.
8. COORDINATE WITH OWNER WHAT EQUIPMENT IS TO BE SALVAGED AND TURN THIS EQUIPMENT OVER TO OWNER. REMOVE EQUIPMENT TO BE DEMOLISHED FROM SITE AND DISPOSE OF IN ACCORDANCE WITH APPLICABLE REGULATIONS.



1 MECHANICAL DEMO - BOARDING LEVEL

SCALE: 1/4" = 1'-0"

1/4" = 1'-0" 2 0 2 4 8
SCALE FEET

NOT FOR CONSTRUCTION

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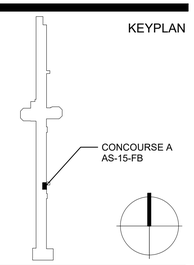

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2025.10.27	60% COORDINATION REVIEW	
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MECHANICAL DEMO PLAN - BOARDING LEVEL

SHEET NUMBER

MD1.1

PROJECT NUMBER	1808

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ELECTRICAL LEGENDS

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE - WALL MOUNTED
	SINGLE RECEPTACLE - WALL MOUNTED
	SINGLE "GFCI" RECEPTACLE - WALL MOUNTED
	DUPLEX RECEPTACLE - CEILING MOUNTED
	DUPLEX RECEPTACLE - WALL MOUNTED - COUNTER HEIGHT
	SWITCHED OUTLET
USB	USB TYPE COMBO OUTLET - WALL MOUNTED
	QUAD RECEPTACLE - WALL MOUNTED
	DUPLEX "GFCI" RECEPTACLE - WALL MOUNTED
	DUPLEX "GCFI" RECEPTACLE - WALL MOUNTED - COUNTER HEIGHT
	DUPLEX "GCFI" RECEPTACLE - WALL MOUNTED
	SPECIAL OUTLET - WALL MOUNTED
	DUPLEX RECEPTACLE - IN FLUSH FLOOR BOX
J	JUNCTION BOX
J	JUNCTION BOX - WALL MOUNTED
$	WALL SWITCH - SINGLE POLE - SINGLE THROW
$ 3	WALL SWITCH - 3 WAY- SINGLE POLE - SINGLE THROW
$ 4	WALL SWITCH - 4 WAY- SINGLE POLE - SINGLE THROW
$ OS	WALL OCCUPANCY SENSOR - MOTION & INFRARED
$ K	WALL MOUNTED KEYED SWITCH
$ zone	WALL MOUNTED ZONED SWITCH
OS	OCCUPANCY SENSOR - CEILING MOUNTED
D	DIMMER SWITCH - WALL MOUNTED
D_3	DIMMER SWITCH - 3 WAY - WALL MOUNTED
TC	TIME CLOCK
	DISCONNECT SWITCH

FIRE ALARM LEGENDS

SYMBOL	DESCRIPTION
H / H	CEILING/ WALL MOUNTED HEAT DETECTOR
D / D	CEILING/WALL MOUNTED SINGLE STATION COMBINATION CARBON MONOXIDE & SMOKE DETECTOR WITH BATTERY BACK UP
D / D	CEILING/WALL MOUNTED SINGLE STATION COMBINATION CARBON MONOXIDE & SMOKE DETECTOR WITH VISUAL STROBE & BATTERY BACK UP
SD / SD	CEILING/WALL MOUNTED SYSTEM SMOKE DETECTOR
T	FIRE ALARM TAMPER SWITCH
F	FLOW SWITCH
P	PRESSURE SWITCH
F	FIRE ALARM PULL STATION - ADA APPROVED
V	FIRE ALARM VISUAL STROBE - ADA APPROVED
S	FIRE ALARM LOW FREQUENCY SOUNDER DEVICE
S	FIRE ALARM LOW FREQUENCY SOUNDER/VISUAL DEVICE
F	FIRE ALARM HORN/STROBE DEVICE - ADA APPROVED
F	FIRE ALARM STROBE DEVICE - ADA APPROVED
F C	CEILING MOUNTED FIRE ALARM HORN/STROBE DEVICE - ADA APPROVED
CO	CARBON MONOXIDE DETECTOR

TELE / DATA LEGENDS

SYMBOL	DESCRIPTION
	WALL MOUNTED VOICE/DATA OUTLET
	WALL MOUNTED TELEPHONE OUTLET
	WALL MOUNTED DATA OUTLET
	WALL MOUNTED DATA OUTLET - 8" ABOVE COUNTER
	WALL MOUNTED VOICE/DATA OUTLET - 8" ABOVE COUNTER
	WALL MOUNTED TELEPHONE OUTLET - 8" ABOVE COUNTER
	FLOOR MOUNTED (FLUSH) VOICE/DATA OUTLET
TV	TV OUTLET WITH COAX CONNECTOR
S	SPEAKER
CR	SINGLE GANG BOX FOR CARD READER
CB	SINGLE GANG BOX FOR CALL BOX
DH	MAGNETIC DOOR HOLDER (fire)
	SECURITY CAMERA

CODE COMPLIANCE

THESE PLANS WERE PREPARED AND SHALL COMPLY WITH THE BUILDING

- INTERNATIONAL BUILDING CODE, 2018 EDITION, WITH GEORGIA AMENDMENTS (2020), (2022)
- INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION
- INTERNATIONAL FIRE CODE, 2018 EDITION
- NATIONAL ELECTRICAL CODE, 2023 EDITION, WITH GEORGIA AMENDMENTS (2021)

ABBREVIATIONS

ACT	ABOVE COUNTERTOP OR BACKSPLASH
AC	ALTERNATING CURRENT
AL	ALUMINUM
AMP	AMPERES
AFF/AFG	ABOVE FINISHED FLOOR/GRADE
AHU	AIR HANDLING UNIT
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
AWG	AMERICAN WIRE GAUGE
BD	BOARD
BLDG	BUILDING
CAB	CABINET
CAP	CAPACITY
CATV	CABLE TELEVISION
CBB	CABLE TELEVISION BACKBOARD
CKT	CIRCUIT
CLG	CEILING
C/B	CIRCUIT BREAKER
C/L	CENTER LINE
COL	COLUMN
COND/C	CONDUIT
CONN	CONNECTION
CONT	CONTINUATION
C&P	CORD AND PLUG
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CU	COPPER
DET	DETAIL
DF/EDF	ELECTRICAL DRINKING FOUNTAIN
DN	DOWN
DS	DISCONNECT SWITCH
DWG	DRAWING
EA	EACH
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ELEC	ELECTRIC
EQ	EQUIPMENT
EX	EXISTING
FA	FIRE ALARM
FSD	FIRE SMOKE DAMPER
FACP	FIRE ALARM CONTROL PANEL
FIX	FIXTURE
FL	FLOOR
FU	FUSED
GFCI/GFI	GROUND FAULT CIRCUIT INTERRUPTER
GND/G	GROUND
H.O.A.	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATT
KAIC	KILO-AMPERE INTERRUPTING CAPACITY
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MECH	MECHANICAL
MISC	MISCELLANEOUS
MTR	MOTOR
MTD	MOUNTED
MLO	MAIN LUG ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
M.O.D.	MOTOR OPERATED DAMPER
MRS	MOTOR RATED SWITCH
NEC	NATIONAL ELECTRICAL CODE
NES	NASHVILLE ELECTRIC SERVICE
NF	NONFUSED
NL	NIGHT LIGHT
NO.	NUMBER
NTS	NOT TO SCALE
P.I.V.	POST INDICATOR VALVE
PNL	PANEL
PVC	POLYVINYL CHLORIDE CONDUIT
RTU	ROOF TOP UNIT
SH	SHEET
SW	SWITCH
TR	TRANSFORMER
TBB	TELEPHONE BACKBOARD
TELE	TELEPHONE
UNO	UNLESS NOTED OTHERWISE
WP	WEATHERPROOF

SHEET INDEX - ELECTRICAL

NUMBER	NAME
E0.1	ELECTRICAL COVER SHEET
E0.2	ELECTRICAL SPECIFICATIONS
ED1.1	ELECTRICAL DEMO PLAN
E1.1	ELECTRICAL PLAN
E1.2	ELECTRICAL PLAN - ROOF
E2.1	FIRE ALARM PLAN
E5.1	ELECTRICAL DETAILS
E6.1	ELECTRICAL PANEL SCHEDULE
E7.1	IT NOTES
E9.1	ELECTRICAL - SINGLE LINE DIAGRAM

LIGHTING FIXTURE SCHEDULE

TYPE MARK	DESCRIPTION	WATTAGE	MANUFACTURER	MODEL
L1	PENDANT LIGHT	20 W	NORMANN COPENHAGEN	
L2	PENDANT LIGHT	20 W	ALLIED MAKER	CEI-1114
L3	4" ROUND LED DOWNLIG	23 W	ACUITY	L4-23LM-35K-MVOLT-G4-80CRI-ZT-P-CS
L3E	4" ROUND LED DOWNLIG	23 W	ACUITY	INDY L4 SERIE
L4	LED 2X2 TROFFER	29 W	COOPER	METALUX 22FP 2X2 EDGE LIT PA
L4E	LED 2X2 TROFFER	29 W	COOPER	METALUX 22FP 2X2 EDGE LIT PA
L5	LED STRIP LIGHT	16 W	HERA LIGHTING	THINSTICK-LED X
L6	LED STRIP LIGHT	13 W	HERA LIGHTING	TAPE/CV07/**/3000
L7E	LED 2X2 FLAT PANEL	37 W	COOPER LIGHTING	METALUX 22FP 2X2 EDGE LIT PANEL SIZE: 2'X2

ELECTRICAL GENERAL NOTES

1. ALL WORK THIS DIVISION SHALL COMPLY WITH ALL BUILDING CODES, LAWS, REGULATIONS, ORDINANCES, AND THE REQUIREMENTS OF 2023 NATIONAL ELECTRICAL CODE.
2. THE CONTRACTOR SHALL KEEP A RECORD OF THE CHANGES WHICH ARE IN CONFLICT WITH THESE DRAWINGS AND SPECIFICATIONS. AT THE COMPLETION OF HIS/HER WORK HE/SHE SHALL SUBMIT "AS BUILT" PRINTS TO THE OWNER.
3. ALL SYSTEMS, EQUIPMENT, COMPONENTS, WORK, ETC. PROVIDED UNDER THIS DIVISION SHALL BE COVERED BY A MINIMUM ONE YEAR GUARANTEE STARTING AT THE TIME OF FINAL ACCEPTANCE OF THE WORK BY THE OWNER . ANY DEFECTS IN THE WORK, SYSTEMS, EQUIPMENT, OR COMPONENTS FOUND DURING THIS YEAR SHALL BE CORRECTED AT NO CHARGE. THE GUARANTEE SHALL INCLUDE PROVIDING ALL NECESSARY CUTTING, PATCHWORK, REPAINTING, ETC. TO MAKE THE WORK COMPLETE AND NEW.
4. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER WITH TYPE "THW" OR "THHN" INSULATION AND THE MINIMUM WIRE SIZE SHALL BE #12 A.W.G FOR 20A CIRCUITS UNLESS NOTED OTHERWISE, OR NOT ALLOWED BY LOCAL JURISDICTION HAVING AUTHORITY.
5. ALL WORK MUST BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER ACCORDING TO GENERALLY ACCEPTED PRINCIPALS OF FIRST CLASS WORKMANSHIP.
6. ALL PENETRATIONS THRU RATED WALLS, FLOORS AND CEILINGS SHALL BE FIRE STOPPED PER N.E.C. 300.21. ALSO SEE SHEET E0.2. FIRE STOPPING SHALL MATCH UL RATING OF WALL, FLOOR, OR CEILING PENETRATED.
7. ALL SWITCHES FOR FANS, LIGHTS, ETC. WHICH ARE SHOWN TO BE MOUNTED IN THE SAME GENERAL AREA SHALL SHARE A MULTI-GANG COVER PLATE AS REQUIRED.
8. COORDINATE RECEPTACLE NEMA TYPE AND VOLTAGE WITH EQUIPMENT.
9. ALL OUTLETS AND SWITCHES ARE TO BE FLUSH MOUNTED UNLESS NOTED OTHERWISE.
10. LABEL AND IDENTIFY ALL JUNCTION BOXES, WIREWAYS AND MAJOR SWITCHES AT THE TIME OF INSTALLATION. PROVIDE PERMANENT NAMEPLATES/LABELS AS SPECIFIED PRIOR TO FINAL INSPECTION.
11. VERIFY LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGH-IN.
12. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION TYPE FITTINGS. WIRING SHALL BE INSTALLED AT DEPTHS BELOW FINISHED GRADE (BELOW SLAB AND SUB-BASE LEVEL) AS PER NEC ARTICLE 300.50.
13. MINIMUM HOMERUN CONDUIT SIZE SHALL BE:
    A. ABOVE GRADE: 3/4"
    B. BELOW GRADE: 3/4"
14. COMMON NEUTRAL MAY NOT BE USED PER HJAIA STANDARDS. SEPARATE NEUTRAL SHALL BE PROVIDED FOR ALL CIRCUITS CONNECTED TO GROUND FAULT CIRCUIT INTERRUPTER TYPE DEVICES, UNLESS OTHERWISE NOTED. SEPARATE NEUTRAL SHALL BE PROVIDED FOR ALL ARC FAULT CIRCUIT INTERRUPTER CIRCUITS.
15. ALL BRANCH CIRCUITS SHALL INCLUDE A GREEN INSULATED GROUND WIRE, SIZED PER NEC TABLE 250.122 OR AS SHOWN, CONNECTED TO EACH DEVICE AND OUTLET BOX ON THE CIRCUIT AND TO THE PANEL BOARD GROUND BUS. MULTIPLE WIRE BRANCH CIRCUITS WITH COMMON NEUTRAL REQUIRE ONLY ONE GROUND WIRE, UNLESS OTHERWISE NOTED.
16. IN CASES WHERE CONFLICTS OCCUR BETWEEN DRAWINGS AND SPECIFICATION, OR BETWEEN DIFFERENT TRADES. AS WELL AS CASES OF ANY OMISSION OF INFORMATION, NOTIFY THE ARCHITECT AND PROCURE RESOLUTION OF THE CONFLICT OR OMISSION BEFORE PROCEEDING WITH THE INSTALLATION.
17. ALL 15A AND/OR 20A BRANCH RECEPTACLE CIRCUITS FOR 120V, CIRCUITS LONGER THAN 70'-0" SHALL BE MINIMUM #10 AWG, LONGER THAN 150' SHALL BE #8 AWG.
18. THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT AND LOCATION OF ELECTRICAL WORK. DATA PRESENTED ON THE DRAWINGS ARE AS ACCURATE AS PLANNING CAN DETERMINE; BUT FIELD VERIFICATION OF ALL DIMENSIONS, LOCATIONS, LEVELS, ETC. TO SUIT FIELD CONDITION IS REQUIRED. REVIEW ALL ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS AND ADJUST ALL WORK TO MEET THE REQUIREMENTS OF CONDITIONS SHOWN.
19. COORDINATE WITH OTHER TRADES SO THAT INSTALLATION OF ELECTRICAL OUTLETS AND EQUIPMENT WILL BE PROPERLY COORDINATED. CHECK CONDUIT, FIXTURE AND OTHER EQUIPMENT LOCATIONS WITH OTHER TRADES TO AVOID CONFLICT WITH THE PIPING DUCT WORK, STEEL PIPING, BEAM, OR OTHER OBSTRUCTIONS.
20. THE GENERAL CONTRACTOR SHALL PROVIDE NOTICE TO THE ARCHITECT/ENGINEER THAT THERE HAS BEEN A FACE-TO-FACE MEETING WITH THE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL SUBCONTRACTORS TO COORDINATE THEIR WORK. THIS MUST BE DONE PRIOR TO ORDERING ANY EQUIPMENT AND SHALL SERVE TO MATCH THE VOLTAGE, PHASE, AMPS, MCA, AND MOCP OF THE EQUIPMENT WITH THE DESIGNED ELECTRICAL CHARACTERISTICS. AFTER THIS MEETING HAS BEEN HELD THE GENERAL CONTRACTOR SHALL PROVIDE NOTICE (IN WRITING) TO THE A/E THAT THIS HAS BEEN DONE AND THERE ARE NO DISCREPANCIES. FAILURE TO MEET DOES NOT ENTITLE CONTRACTOR TO A CHANGE ORDER FOR INCOMPATIBLE EQUIPMENT AND SERVICE CHARACTERISTICS.
21. PROVIDE UNSWITCHED HOT WIRE TO ALL EMERGENCY/EXIT LIGHTING.
22. PROVIDE SEALING OF ALL OUTLET BOXES PER LOCAL FIRE CODE.
23. COMBUSTIBLE MATERIALS ARE NOT ALLOWED WITHIN AREAS WHERE PLENUM AIR SYSTEMS ARE BEING USED.
24. THE CONTRACTOR SHALL PROVIDE AND INSTALL WIRING AND CIRCUIT ALL EQUIPMENT, MOTORS, AND OTHER ITEMS NOT EXPLICITLY SHOWN, BUT INDICATED, IN CONTRACT DOCUMENTS OR IN SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF SAID ITEMS BETWEEN ALL TRADES.
25. NO PIPING, DUCT, OR EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE INSTALLED ABOVE ANY ELECTRICAL PANELBOARD, LOAD CENTER, MOTOR CONTROL CENTER, OR SWITCHBOARD. PER NEC ARTICLE 110.26 (a) (3).
26. THERE SHALL BE NO BACK TO BACK RECEPTACLE WITHIN FIRE RATED WALLS. PROVIDE MINIMUM HORIZONTAL SPACE BETWEEN OUTLETS AT OPPOSITE SIDES OF A FIRE RATED WALL.
27. GFCI RECEPTACLE WITH IN-USE WEATHERPROOF COVER PLATE. IN-USE WEATHERPROOF COVER PLATE SHALL BE: STEEL CITY "WTG100-CV-L" OR APPROVED EQUAL.
28. FIRE ALARM SYSTEM PROVIDED BY ELECTRICAL SUBCONTRACTOR PER NFPA 101, NFPA 72 AND IBC.
29. BELOW GRADE RACEWAY INSTALLATIONS - DIRECT BURIAL CONDUIT SHALL BE INSTALLED AT CODE REQUIRED BURIAL DEPTHS
30. RACEWAY INSTALLATIONS WITHIN CONCRETE - CONDUIT SHALL BE RUN FOLLOWING THE MOST DIRECT ROUTE BETWEEN POINTS. CONDUIT SHALL NOT BE INSTALLED WITHIN CONCRETE WHERE THE OUTSIDE DIAMETER IS LARGER THAN 1/3 OF THE SLAB THICKNESS.
31. IN BUILDINGS WITH MULTIPLE SERVICES, PROVIDE A PLAQUE AT EACH ELECTRICAL SERVICE DENOTING THE LOCATION OF ALL OTHER SERVICES WITHIN THE BUILDING.
32. TYPE NM CABLE IS NOT ALLOWED EXPOSED IN HVAC CLOSETS. PROVIDE TYPE MC CABLE OR ROUTE TYPE NM CABLE IN FLEXIBLE METALLIC CONDUIT SO THAT NM CABLE IS NOT EXPOSED IN CLOSET.
33. ALL EXTERIOR ENTRY DOORS SHALL BE EQUIPPED WITH ELECTRIC STRIKE PLATES AND EITHER CARD OR PROXIMITY READERS. COORDINATE LOCATION AND REQUIREMENTS WITH LOW VOLTAGE INSTALLER PRIOR TO BID.
34. PROVIDE OCCUPANCY SENSORS TO CONTROL LIGHTING IN ALL COMMON AREA RESTROOMS, OFFICES, STORAGE ROOMS, AMENTIES,ETC.
35. CONTRACTOR SHALL PROVIDE HOMERUN FROM SWITCH BOX PER NEC 404.2C.
36. CONDUIT FILL PER CODE
37. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE LIGHTS, HVAC REGISTERS AND SPRINKLERS. IN ADDITION, THE CONTRACTOR SHALL VERIFY CEILING TYPES PRIOR TO ORDER FIXTURES.
38. ALL LIGHTING FIXTURES SHALL BE SUPPORTED INDEPENDENT OF THE CEILING USING #12 GALVANIZED STEEL WIRES, TWO WIRES AT OPPOSITE CORNERS OF THE FIXTURES.
39. ALL ITEMS ON THE DRAWINGS SHALL BE NEW AND BEAR THE U.L. LABEL.
40. WHERE WALLS ARE FIRE OR SMOKE RATED THE CONTRACTOR SHALL DO HIS INSTALLATION TO PREVENT VIOLATING THE RATING OF THE WALL, THIS MEANS COMPLYING WITH ALL U.L. REGULATIONS.
41. FIRE WALLS SHALL HAVE PUTTY PADS ON METALLIC BOXES UNLESS BOXES ARE RATED FOR RATING OF THE WALL.
42. PROVIDE A GROUND BAR AT EACH TELEPHONE BACKBOARD AND/OR MDF (HUB/ROUTER ROOM) AND TERMINATE USING A TERMINAL STRIP THAT CONTAINS NO LESS THAN TEN (10) PLACES FOR ADDITIONAL WIRES. BOND TO MAIN GROUND (#6 AWG) AT ELEC. RM.
43. DO NOT SCALE DRAWINGS, LOCATION OF EQUIPMENT ARE APPROXIMATE, ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO PROVIDE PROPER WORKING CLEARANCE.
44. ALL CONDUCTORS FOR EXTERIOR LIGHTING CIRCUITS SHALL BE MINIMUM #10 AWG (UNLESS OTHERWISE NOTED), EXCEPT THE CONDUCTORS FROM THE HANDHOLE UP THE POLE TO THE BALLAST MAY BE #12 AWG.
45. COORDINATE LOCATION AND QUANTITY OF FIRE / SMOKE DAMPERS WITH MECHANICAL CONTRACTOR PRIOR TO BID. COORDINATION OF LOCATIONS AND QUANTITIES WILL OVERRIDE LOCATIONS AND QUANTITIES INDICATED ON ELECTRICAL DRAWINGS. PROVIDE A 120V UNSWITCHED CIRCUIT TO EACH FIRE / SMOKE DAMPER. PROVIDE A DUCT MOUNTED SMOKE DETECTOR FOR EACH FIRE / SMOKE DAMPER. CONNECT DUCT MOUNTED SMOKE DETECTOR AND FIRE / SMOKE DAMPER TO FIRE ALARM SYSTEM. A CHANGE ORDER WILL NOT BE ALLOWED FOR LACK OF COORDINATION BETWEEN THE ELECTRICAL AND MECHANICAL CONTRACTOR FOR LOCATION AND QUANTITY OF FIRE / SMOKE DAMPERS.
46. COORDINATE REQUIREMENTS FOR TELEPHONE AND CABLE TELEVISION SERVICES WITH UTILITY PROVIDER PRIOR TO BID. UTILITY COMPANY REQUIREMENTS SHALL OVERRIDE REQUIREMENTS INDICATED HEREIN.
47. EXCEPT IN DWELLING UNITS, ALL SERVICE EQUIPMENT SHALL BE LABELED WITH THE MAXIMUM AVAILABLE FAULT CURRENT PROVIDED BY THE SERVICE EQUIPMENT MANUFACTURER. LABEL SHALL INCLUDE THE DATE OF CALCULATIONS. RECALCULATE AND RELABEL AS NECESSARY IN RENOVATIONS. (NEC 110.24)
48. ALL DIMENSIONS INDICATED ON DRAWINGS ARE TO CENTERLINE OF DEVICE.
49. PROVIDE A TYPE WRITTEN DIRECTORY FOR ALL PANELS AND LOAD CENTERS. CORRECTLY LABEL ALL CIRCUITS, SPARES, AND SPACES.
50. REFER TO ARCHITECTURAL/INTERIOR DESIGNER DRAWINGS FOR EXACT SPECIFICATION, LOCATION AND QUANTITY OF ELECTRICAL DEVICES AND LIGHT FIXTURES.
51. NAME PLATES FOR DISCONNECT SWITCHES SHALL BE PRINTED LABELS.
52. THE CONTRACTOR SHALL MEASURE THE GROUND RESISTANCE, USING THE "FALL OF POTENTIAL METHOD" AND SUBMIT THE RESULTS TO THE A/E VIA EMAIL USING "WORD" SOFTWARE. IF THERE IS DIFFICULTY ACHIEVING 5 OHMS OR LESS THE CONTRACTOR SHALL CONTINUE TO DRIVE GROUND RODS OR ADD A NON TOXIC ENVIRONMENTALLY FRIENDLY MAGNESIUM SULFATE TO ACHIEVE THE 5 OHMS OR LESS TO GROUND. THE GROUNDING IINFORMATION SHOULD BE SIGNED BY A TECHNICIAN. THE TYPE OF INSTRUMENT USE TO PERFORM THE TEST SHALL BE INCLUDED IN THE REPORT. THE TEST SHALL NOT BE DONE IF THERE HAD BEEN RAINFALL IN THE PREVIOUS 24 HOUR PERIOD. THIS SHALL BE DONE AT THE BEGINNING OF THE CONSTRUCTION PROCESS AND NOT AT THE END. ALL GROUNDS SHALL BE INTERCONNECTED AT THE MAIN GROUNDING ELECTRODE USING A ERICO MODEL TG8-A16L08PT MOUNTED ADJACENT TO THE MAIN SERVICE EQUIPMENT OR MAIN SWITCH.
53. SEE FAIR HOUSING NOTES ON UNIT PLAN DRAWINGS FOR ADDITIONAL INFORMATION ON DEVICE MOUNTING HEIGHTS. IN "HC" UNITS, DIMENSIONS SHALL BE TO TOP OF ROUGH-IN BOX.

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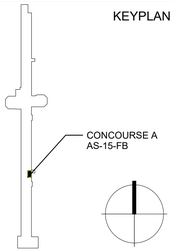

REVISION

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ELECTRICAL COVER SHEET

SHEET NUMBER

E0.1

PROJECT NUMBER	1808

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ELECTRICAL SPECIFICATIONS

16010 GENERAL:

1.1 Contractor shall provide the following:
- a. Labor.
- b. Supplies.
- c. Materials.
- d. Shop Drawings.
- e. Permits and inspection fees
- f. Certificate of final inspection and approval.
- g. One year guarantee.

1.2 Contractor shall perform the following:
- a. Installation of all electrical equipment.
- b. Coordination with other trades of electrical equipment installation.
- c. Material protection during construction.
- d. Test of entire system in presence of owner or his representative and correct any deficiencies discovered.
- e. Coordination of electrical service and metering with local power company.
- f. Coordination of telephone/data service with local telecommunications/data provider company.

1.3 Governing codes shall be the following:
- a. National Electrical Code (NEC) 2023 Edition with Georgia Amendments.
- b. Utility Company regulations.
- c. Americans with Disabilities Act
- d. Current Applicable Building Code with Amendments.
- e. Local Building Codes and Ordinances
- f. not used
- g. The National Manufacturer's Association Standards (NEMA)
- h. Underwritter Laboratories Incorporated Standards (UL)
- i. American National Standard Institute (ANSI)
- j. The Manufacturer's recommendation
- k. Federal Aviation Administration Regulations (FAA)

1.4 Materials will be:
- a. New.
- b. U.L. Listed 1

16110 RACEWAYS

1.1 Use and type:
- a. Service Entrance - Rigid Steel.
- b. Feeders - Rigid steel except above 8'-0" and indoor then EMT.
- c. Branch Circuit, telephone, or communication - EMT.
- d. In earth or concrete - schedule 40 PVC.
- e. Recessed lighting fixtures - flexible steel conduit (short but maximum 72")
- f. Outdoor final connection to equipment or in wet locations - liquid - tight flexible steel conduit (maximum 36")
- g. All raceways, unless specifically indicated to be exposed, shall be concealed in walls, ceiling, or floors.
- h. Paint all exposed raceways color as directed by the architect.

1.2 Conduit Bushings:
- a. Provide insulated conduit bushings at each end of every conduit run.

16120 WIRES AND CABLES, 600 VOLT

1.1 Color Coding:	480/277V	208/120V
Phase A	Brown	Black
Phase B	Orange	Red
Phase C	Yellow	Blue
Neutral	Gray	White
Ground	Green	Green

1.2 Insulation: THHN, THWN, XHHW 75 degree C.
1.3 Provide copper wiring unless noted otherwise.
1.4 Fixture wire, 600 volt, 200 degree C. #14 AWG. minimum, stranded, tinned copperwith silicone rubber insulation and an overall jacket of glass braid, and rated as NEC type "SF-2".
1.5 Type MC cabling may only be utilized for final connection to light fixtures from ceiling junction boxes(less than 72 inches) or inside existing walls where concealed.
1.6 Type NM cabling may be utilized for branch circuit wiring if acceptable to local jurisdiction having authority.
1.7 Type SE or USE cabling may be utilized for feeders to loadcenters in apartment units if acceptable to local jurisduction having authority.
1.8 Voltage drop will not exceed 2% for feeders and 3% for branch circuits.

16130 BOXES

1.1 Attach securely to building construction or support from same.
1.2 Masonry boxes shall be RACO or Steel City.
1.3 Exposed boxes shall be cast type similar to Crouse Hinds type FS.
1.4 All others shall be stamped steel.
1.5 Floor Boxes:
- a. Provide cast iron floor boxes with adjustable aftersets and brass coverplates. Provide number of gangs and devices indicated on drawings.

16140 WIRING DEVICES

1.1 Receptacles: (color as directed by architect)
- a. Duplex - 20Amp,125VAC grounded.
- b. Single - 20Amp,125VACgrounded.
- c. Receptacles on dedicated circuits shall utilize 20 amp, 125VAC, grounded type.

1.2 Wall Switches: (color as directed by archtect)
- a. Single Pole - 20 Amp,120, single throw, quiet type, grounded.
- b. Double Pole - 20 Amp,120, single throw, quiet type, grounded.
- c. Three Way - 20 Amp,120, single throw, quiet type, grounded.

1.3 Coverplates: Provide finish and color directed by architect.

16150 ELECTRICAL SERVICE

1.1 General:
- a. Existing service, 480/277V, coordinate service and metering with local power company prior to any work.
- b. Provide transient voltage surge suppression device for each service entrance per Local Codes.

16160 TRANSFORMERS

1.1 Transformers shall have, but not be limited to the following:
- a. Dry-type, ventilated distribution suitable for indoor installation.
- b. Copper windings with 220°C insulation system and 150°C temperature rise.
- c. Primary voltage shall be 480V and secondary voltage shall be 208V.
- d. 60 Hz operation, self cooled design
- e. Minimum four 2.5% full capacity taps for voltage adjustment.
- f. Core and coil assembly mounted with vibration isolation to reduce noise transmission.
- g. Ventilated NEMA 3R enclosure with removable front cover for indoor installations.
- h. Grounding lug provide inside enclosure.
- i. Nameplate indicating kVA rating, primary voltage, secondary voltage, impedance, and wiring diagram.
- j. Sound levels in accordance with NEMA standards.
- k. Square D, Siemens, Eaton, or General Electric

16170 PANELBOARDS

1.1 Panelboards shall have, but not be limited to the following:
- a. Single phase, 3-wire, Three phase, 4-wire with copper busses
- b. Ground bus with set screw connection
- c. Solid neutral, 100% rated with set screw connection
- d. Baked-on enamel trim
- e. Switch rated Bolt-on breakers
- f. Typewritter directory
- g. Plaque, black with 1" high white letters to indicate panel name.
- h. Square D, Siemens, Cutler Hammer, or General Electric.

16190 GROUNDING

1.1 Service Entrance
- a. See grounding detail on riser sheets

1.2 Feeders and branch circuits:
- a. Provide a green insulated ground conductor, sized per the NEC, in each raceway and with all cabling.

16200 LIGHTING FIXTURES

1.1 Coordinate fixture trims with ceiling in/on which it is being installed.
1.2 Provide low temperature, high efficiency electronic ballasts in LED fixtures.
1.3 Provide thermal overload protection in LED fixtures.
1.4 Match voltage of fixture to circuit to which fixture is shown connected.
1.5 Narrative description in lighting fixture schedule takes prescedence over catalog number.
1.6 All recessed fixtures installed in fire rated ceiling shall be provided with gypsum board enclosure, constructed and installed per UL requirements, around portion of fixture located above suspended ceiling to maintain fire rating of ceiling.

16210 EXISTING CONDITIONS

1.1 Visit site and become familiar with existing conditions in and around the building.

6220 TELEPHONE SERVICE

1.1 Coordinate telephone service requirements with local telephone company prior to any work. Telephone company requirements shall override and/or add to requirements indicated on the drawings.

16230 CATV SERVICE

1.1 Coordinate CATV service requirements with local CATV company prior to any work. CATV company requirements shall override and/or add to requirements indicated on the drawings.

16240 SAFETY SWITCH

1.1 Safety switches shall be Heavy duty type, 600 or 250 volt, with number poles required. fused safety switches shall be quick-make, quick-break mechanism, visible blades with rejection type fuse clip and NEMA class "RH" fuses, the switches shall be NEMA 1 enclosure for indoor, NEMA 3R for outdoor.All switches shall be lockable.

16250 FIRE RATED SEALS

1.1 Provide fire rated seal per UL requirements, for each penetration of fire rated wall or each conduit or sleeve penetrating a fire rated floor or ceiling to maintain fire rating of floor, wall, or ceiling

16270 FIRE ALARM "SYSTEM"

1. Fire Alarm System:

Furnish and install complete fire alarm (FA) systems as indicated on drawings consisting of smoke detectors outside each sleeping room, each public room, each mechanical area or work area, including A/V alarms, thermal detectors in mechanical spaces as required by code. Locate the FA control panel as shown or as required by the Fire Marshall. The FA system shall be formally planned by a licensed FA contractor who shall submit signed and sealed drawings, if required for permit, and shall supervise and certify the installation. FA system contractor shall review the mechanical drawings and provide and install duct smoke detectors as required in the standard mechanical code and by the local Fire Marshall. Design shall comply with NFPA 72.

2. Control Panel/Annunciator: Provide a Gamewell type IF610-126 IdentiFlex Analog Addressable Control Panel/Annunciator with alphanumeric display, analog addressable loop, notification appliance circuits, power supply/battery charger, batteries, enclosure, type 5495 Distributed Power Panel (with batteries and enclosure), type ZMS-4 Synchronization Modules, and type 5104 Dual Line Digital Communicator Panel (with batteries, enclosure and two type FAS-31XT RJ31J Phone Jack/Surge Protectors). Coordinate location with authority having jurisdiction prior to rough-in. Provide one year monitoring of system by a UL listed Central Monitoring Station as part of this contract. Required telephone circuits shall be the responsibility of the building owner. All references to model numbers and other pertinent information herein is intended to establish the standards of performance, quality and appearance and is based upon equipment designed and manufactured by the Gamewell Company. Equals from Fire Lite, Pyrotronic, Notifier, Honeywell, or Radionics are acceptable.

3. Remote Annunciator: Provide a Gamewell type RAN2-RCF Alphanumeric Annunciator with integral alphanumeric display, system control/test switches, key operated enable switch and type RAN2-BB Back Box. Coordinate location with authority having jurisdiction prior to rough-in.

4. Manual Stations: Provide Gamewell type MS-95 Analog Addressable Manual Stations with STI-1100 Protective Covers (with integral horn and 9V battery) as shown on the plans.

5. System Smoke Detectors: Provide Gamewell type XP95-P Analog Addressable Photoelectric Smoke Detectors with type XP95-B6 Bases as shown on the plans.

6. Photoelectric Single Station Smoke/Carbon Monoxide Detectors: Provide Gentex type 503F Photoelectric Single Station Smoke/Carbon Monoxide Detectors with integral temporal horn and 9VDC Battery outside of all sleeping areas.

7. Heat Detectors: Provide Gamewell type XP95-T Adjustable Analog Addressable Thermal Detectors with type XP95-B6 Bases as shown on the plans. Provide 210 degree at top of elevator shaft and in elevator pit. All other Heat Detectors shall be 135 degree rate of rise

8. Duct Mount Smoke Detectors: Provide Gamewell type XP95-PD Duct Mount Analog Addressable Photoelectric Smoke Detectors with type 70896 Sampling Tubes and type RCE-95 Addressable Control Relays as shown on the plans and as required to comply with the Mechanical Code.

9. Addressable Monitor Modules: Provide Gamewell type PID-95P Addressable Monitor Modules as shown on the plans to monitor sprinkler flow switches, sprinkler valve supervisory switches, and sprinkler fire pump (as required).

10. Addressable Control Modules: Provide Gamewell type RCE-95 Addressable Control Modules as required for interface with the elevator controls, elevator power controls and HVAC controls (as required).

11. Alarm Signals: Provide type SHG24-15/75-WW Horn Strobe Alarm Signals as shown on the plans for all public areas. Provide type GXS-4-15/75WW Strobe Visual Alarm Signals for all strobe only locations as shown on the plans. Provide 520Hz sounders as shown on the plans in all apartments.

12. Wiring: Wiring shall be concealed in conduit. Provide wiring and conduit as directed by the manufacturer's authorized distributor.

13. Applicable Codes and Standards: All equipment shall be U.L. listed for its intended use. All raceways and wiring shall be installed in compliance with NFPA Standard 70 (National Electrical Code), NFPA Standards 71 and 72. NFPA 101 (Life Safety Code) Americans with Disabilities Act (ADA). Standard Building Code (SBC). Applicable local and national codes, and authorities having jurisdiction.

14. System Operation: Actuation of any fire alarm initiating device shall immediately cause the following actions to be initiated.
a. Identify the type of alarm, specific device and location on the back lit LCD display at the building fire alarm control panel and at the remote annunciators.
b. Cause the system alarm LED to flash at the fire alarm control panel.
c. Cause all system horns to sound.
d. Cause all visual alarm signals to flash.
e. Activate the digital communicator to report the type of alarm and location to the remote central monitoring station. Coordinate connections with owner's representative.
f. Activate signals to the building door lock controls to deactivate locks.
g. Activate signals to the HVAC controls to initiate shut down or rerouting of air handling systems.

15. Activation of any elevator lobby smoke detector, elevator shaft smoke detector or elevator machine room smoke detector during the alarm verification period (if so programmed) shall in addition to the above listed functions activate signals to the elevator controls to override automatic elevator programming and cause immediate nonstop return of all automatic elevators to the primary discharge level except that, when the alarm has been initiated on the primary discharge level, the elevators shall be returned to the designated alternate discharge level.

16. Activation of any elevator machine room or elevator shaft heat sensor shall in addition to the before listed functions activate signals to the elevator controls to override automatic elevator programming and cause immediate nonstop return of all automatic elevators to the designated discharge level and disconnect elevator power circuits.

17. Activation of any sprinkler valve supervisory switch shall automatically: Cause the system supervisory LED to flash and an audible indicator to sound at the (1) control panel and remote annunciator(s). Operation of the alarm acknowledge switch at the fire alarm control panel or at the (2) remote annunciator shall permit the silencing of the alarm signals during the alarm condition. The silencing of the alarm signals shall not prevent the resounding of the alarm devices should a subsequent alarm condition occur. Identify the supervisory condition, specific device and location on the back lit LCD display at (3) the system control panel and the remote annunciator(s).

18. Shaft Smoke Detector: HVAC shaft smoke detector provided by HVAC contractor, installed and electronically connected by Electrical contractor. See Mechanical drawing for return air Fire/Smoke damper @ shaft detail for installation details.

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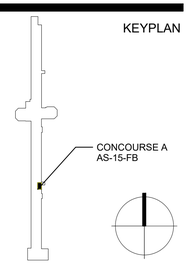

REVISION

DATE	ISSUE	REVISION
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.03.24	100% AIRPORT REVIEW	

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AS-15-FB
CORNER CAFE

ELECTRICAL SPECIFICATIONS

SHEET NUMBER

E0.2

PROJECT NUMBER	1808

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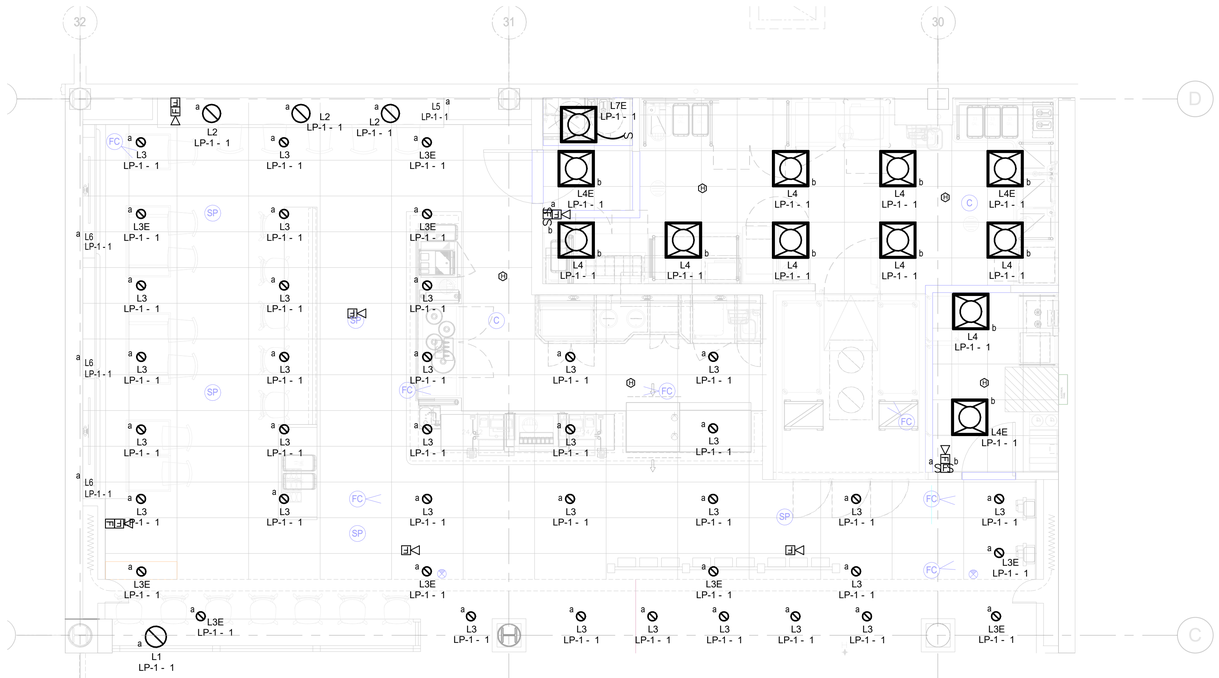
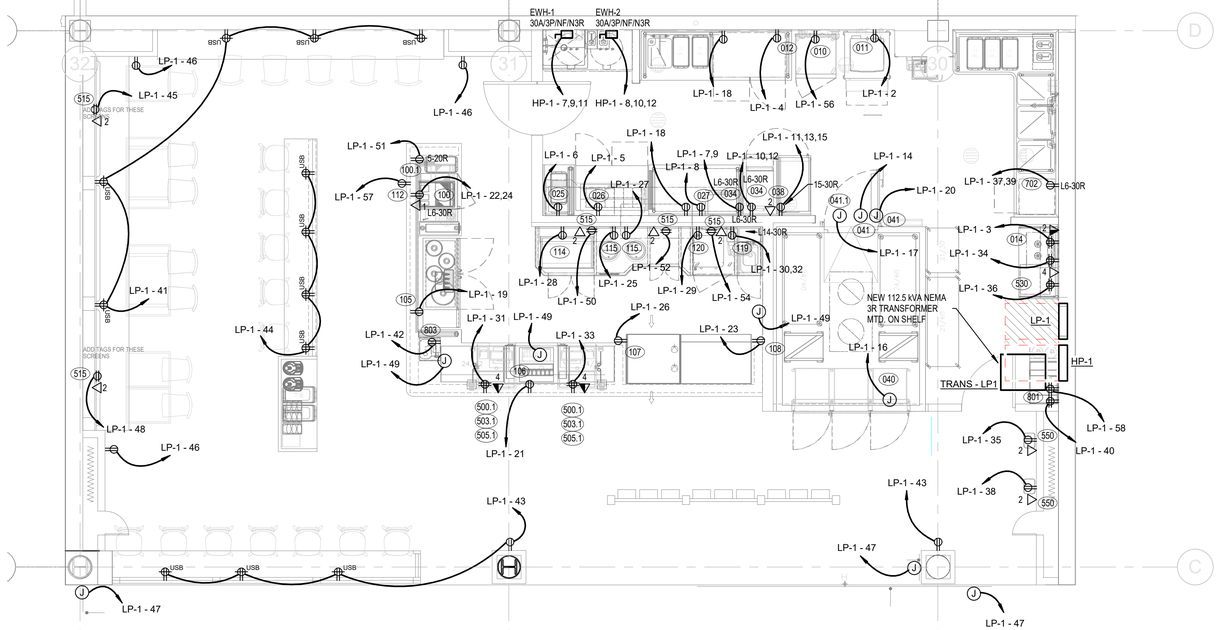


2 ELECTRICAL LIGHTING

SCALE: 1/4" = 1'-0"

1/4" = 1'-0" SCALE 2 0 2 4 8 FEET



1 ELECTRICAL POWER

SCALE: 1/4" = 1'-0"

1/4" = 1'-0" SCALE 2 0 2 4 8 FEET

LIGHTING NOTES (THIS SHEET ONLY)

1. CONTRACTOR TO COORDINATE LIGHTING FIXTURE LOCATIONS WITH OTHER DISCIPLINES TO ENSURE THAT EQUIPMENT OR OTHER WORK WILL NOT OCCUPY SPACE BELOW THE FIXTURE MOUNTING PLANES.
2. CONTRACTOR TO EVALUATE THE NEED OF SUITABLE ADHESIVE FOR ALL NUTS AND SCREWED FITTINGS INVOLVED IN THE FIXTURE MOUNTING FOR THE AREAS SUBJECT TO VIBRATION. PROPER SEISMIC BRACING SHALL BE SUPPLIED FOR ALL THE FIXTURES MOUNTED IN SUCH AREAS.
3. COORDINATE/CONFIRM EXACT LOCATION AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES WITH ARCHITECT PRIOR TO INSTALLATION.
4. SEAL ALL PENETRATIONS IN EVERY FIRE RATED WALL AND FLOOR PER U.L TO MAINTAIN THE FIRE-RESISTANCE RATING. CONTRACTOR TO COORDINATE WITH THE PROJECT ARCHITECT OR CONSULT WITH AN ARCHITECT FOR THE METHOD OF SEALING AND SEALANT TYPE.
5. REFER TO SHEET E0.01 FOR LIGHTING FIXTURE SCHEDULE.

KEYNOTES

① CONNECT UNSWITCHED "HOT" TO EMERGENCY BATTERY PACK.

POWER NOTES (THIS SHEET ONLY)

1. IT IS THE RESPONSIBILTY OF THE CONTRACTOR TO EFFICIENTLY USE WALL SPACE OR ELECTRICAL ROOM SPACE WHEN INSTALLING NEW ELECTRICAL FIXTURE/EQUIPMENT TO MAINTAIN SPACE FOR FUTURE WORK.
2. AVOID BACK TO BACK INSTALLATION.
3. COORDINATE MOUNTING HEIGHT OF ALL OUTLETS SHOWN ABOVE COUNTERS WITH ARCHITECT PRIOR TO ROUGH-IN.
4. SEAL ALL PENETRATIONS IN EVERY FIRE RATED WALL AND FLOOR PER U.L TO MAINTAIN THE FIRE-RESISTANCE RATING. CONTRACTOR TO COORDINATE WITH THE PROJECT ARCHITECT OR CONSULT WITH AN ARCHITECT FOR THE METHOD OF SEALING AND SEALANT TYPE.
5. WALL MOUNTED DATA DROPS CABLING SHALL BE CAT6.
6. ACCESS POINT DATA AND VIDEO SURVEILLANCE CABLING SHALL BE CAT6A.

EQUIPMENT SCHEDULE

ITEM NO.	QTY	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	EQUIPMENT REMARKS	AMPS	KW	HP	VOLTS	PHASE	CYCLE	PROTECTED	NEMA	ELECTRICAL KEY PIN
011	1	ICE MACHINE	FOLLETT	CB1030		11.3			115	1	60	X	5-15P	72
012	1	U/C REFRIGERATOR	TRUE MFG. - GENERAL FOODSERVICE	TUC-48D-2-ADA-HC		3.0			115	1	60	X	5-15P	18
014	1	MANAGER'S DESK	INTERMETRO	CRD48MGR		15.0			120	1	60	X	5-15P	18
025	1	CONVEYOR TOASTER	HATCO	TQ-400		15.0	1.8		120	1	60	X	5-15P	48
026	1	SALAD PREP REFRIGERATOR	TRUE MFG. - GENERAL FOODSERVICE	TSSU-48-12D-2-HC		6.8			115	1	60	X	5-15P	18
027	1	HOT HOLDING DRAWER	MERCO	MHD2DRAWN		11.1	1.3		120	1	60	X	5-15P	60
034	2	RAPID COOK OVEN	MERRYCHEF	CONNEX 16	STACKING KIT	30.0	6.0		208	1	60	X	L6-30P	48
						30.0	6.0		208	1	60	X	L6-30P	48
038	1	ELEC. MULTI COOK OVEN (VECTOR)	ALTO-SHAAM	VMC-H3H (RH)	DELUXE CONTROLS	22.0	7.9		208	3	60	X	15-30P	54
039	1	HEAT HOOD	SS FABRICATION	CUSTOM	FOR REMOVAL OF HEAT / MOISTURE	1.0			120	1	60	X		CL
040	3	MERCHANDISING DISPLAY DOOR	CDS	LEGACY SERIES	GRAVITY FED SHELVING BAY. INTEGRAL W/ WALK-IN	15.0			120	1	60	X		114
041	1	WALK-IN COOLER W/ INTEGRAL FLOOR	AMERICOOLER	CUSTOM		15.0			120	1	60	X		114
041.1	1	CENTER MOUNT EVAPORATOR COIL	BOHN	TBD		2.0			120	1	60	X		86
041.2	1	INDOOR REMOTE AIR-COOLED CONDENSER	BOHN	TBD		9.0		1.0	208	1	60	X		114
100	1	ESPRESSO MACHINE	EVERSYS	E12CCLASSIC-TEMPEST		15.0	2.3		208	1	60	X	6-15P	24
105	1	DRAFT BEER DISPENSER	KRONE	D660L		2.2			115	1	60	X	5-15P	18
106	1	SERVICE BEVERAGE DISPENSER / ICE BIN	LANCER	ICD 2350 STD		15.0			115	1	60	X	5-15P	18
107	1	REFRIGERATED SERVICE CASE	STRUCTURAL CONCEPTS	MH84CRDV		11.2	0.9		120	1	60	X	5-15P	18
108	1	NON-REFRIGERATED SERVICE CASE	STRUCTURAL CONCEPTS	MH84NTDSV		0.7			120	1	60	X	5-15P	18
114	1	REFRIGERATED COUNTERTOP DISPLAY	VOLLRATH	RDC6436		6.1	0.7		120	1	60	X	5-15P	48
115	2	DROP-IN SOUP RETHERM WELL	COCKTEK	SAS0501-11 (678101)		7.0	0.8		120	1	60	X	5-15P	24
119	1	COFFEE MACHINE	BUNN-O-MATIC	53200.0102		28.0	6.0		120/208	1	60	X	L10-30P	48
120	1	U/C REFRIGERATOR	TRUE MFG. - GENERAL FOODSERVICE	TUC-27-42A-HC		2.0			115	1	60	X	5-15P	18
500.1	2	POS	TBD	TBD	BY OWNER	1.0			120	1	60	X	5-15P	24
503.1	2	RECEIPT PRINTER	TBD	TBD	BY OWNER	1.0			120	1	60	X	5-15P	24
505.1	2	PIN PAD W/ PEDESTAL	TBD	TBD	BY OWNER	1.0			120	1	60	X	5-15P	24
530	1	IT RACK	TRIPP-LITE	SRW18US	BY OWNER	15.0			120	1	60	X	5-15P	102
						15.0			120	1	60	X	5-15P	102
550	2	SELF-ORDER KIOSK	ACRELEC	K27-LITE	BY OWNER	15.0			120	1	60	X	5-15P	TBC
702	1	U/C HIGH TEMP DISHWASHER	ECOLAB	ELIHT WITH CASTER SET	BY OWNER	33.0			208	1	60	X		16
801	1	SODA BIB RACK	MBS	8-2-2W-TPM-SHUR	BY SODA PURVEYOR (OWNER)	15.0			120	1	60	X	5-15P	54
803	1	CARBONATOR	MCCANNS	BIG MAC - EA9350T	BY SODA PURVEYOR (OWNER)	6.5		0.3	115	1	60	X	5-15P	12
EG1	1	ILLUMINATED STOREFRONT SIGN	GRAPHIC CONTRACTOR	CUSTOM	450W LED. TIMER SYSTEM BY EC	3.0			120	1	60	X		114
EG2	1	ILLUMINATED BLADE SIGN	GRAPHIC CONTRACTOR	CUSTOM	450W LED. TIMER SYSTEM BY EC	1.0			120	1	60	X		114
EG6	1	ILLUMINATED "BAKERY" SIGN	GRAPHIC CONTRACTOR	CUSTOM	450W LED. TIMER SYSTEM BY EC	1.0			120	1	60	X		70
EG8	1	ILLUMINATED "WALL EMBLEM" SIGN	GRAPHIC CONTRACTOR	CUSTOM	550W LED. TIMER SYSTEM BY EC	2.0			120	1	60	X		84
EG10	1	ILLUMINATED "PICK-UP" SIGN	GRAPHIC CONTRACTOR	CUSTOM	450W LED. TIMER SYSTEM BY EC	1.0			120	1	60	X		CL
EG11	1	ILLUMINATED "ORDER" SIGN	GRAPHIC CONTRACTOR	CUSTOM	450W LED. TIMER SYSTEM BY EC	1.0			120	1	60	X		CL
	3	MISC. KITCHEN EQUIPMENT			BY EC	15.0			120					
	1	MISC. KITCHEN EQUIPMENT			BY EC	30.0			208					

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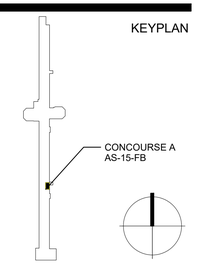

REVISION		
DATE	ISSUE	REVISION
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
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2026.03.24	100% AIRPORT REVIEW	

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AS-15-FB
CORNER CAFE

ELECTRICAL PLAN

SHEET NUMBER

E1.1

PROJECT NUMBER	1808

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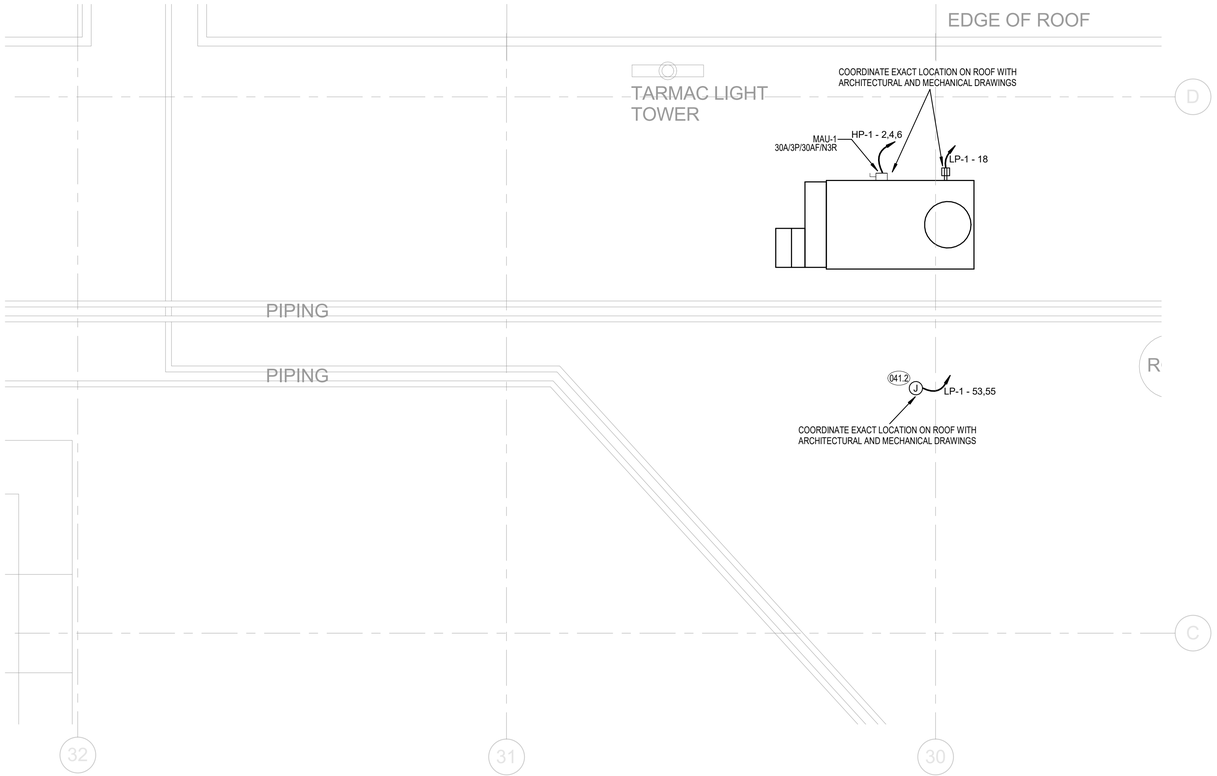

1 ELECTRICAL - ROOF

SCALE: 1/4" = 1'-0"

1/4" = 1'-0" 2 0 2 4 8

SCALE FEET

POWER NOTES: (THIS SHEET ONLY)

1. SEAL ALL PENETRATIONS IN EVERY FIRE RATED WALL AND FLOOR PER U.L TO MAINTAIN THE FIRE-RESISTANCE RATING. CONTRACTOR TO COORDINATE WITH THE PROJECT ARCHITECT OR CONSULT WITH AN ARCHITECT FOR THE METHOD OF SEALING AND SEALANT TYPE.
2. ALL ROOFTOP EQUIPMENT SHALL HAVE LIGHTNING PROTECTION SYSTEM BONDING TO THE BUILDING GROUNDING ELECTRODE SYSTEM AS PER NEC250.106.

NOT FOR CONSTRUCTION

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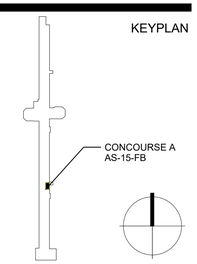
KEYPLAN



REVISION		
DATE	ISSUE	REVISION
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.03.24	100% AIRPORT REVIEW	

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ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE

ELECTRICAL PLAN - ROOF

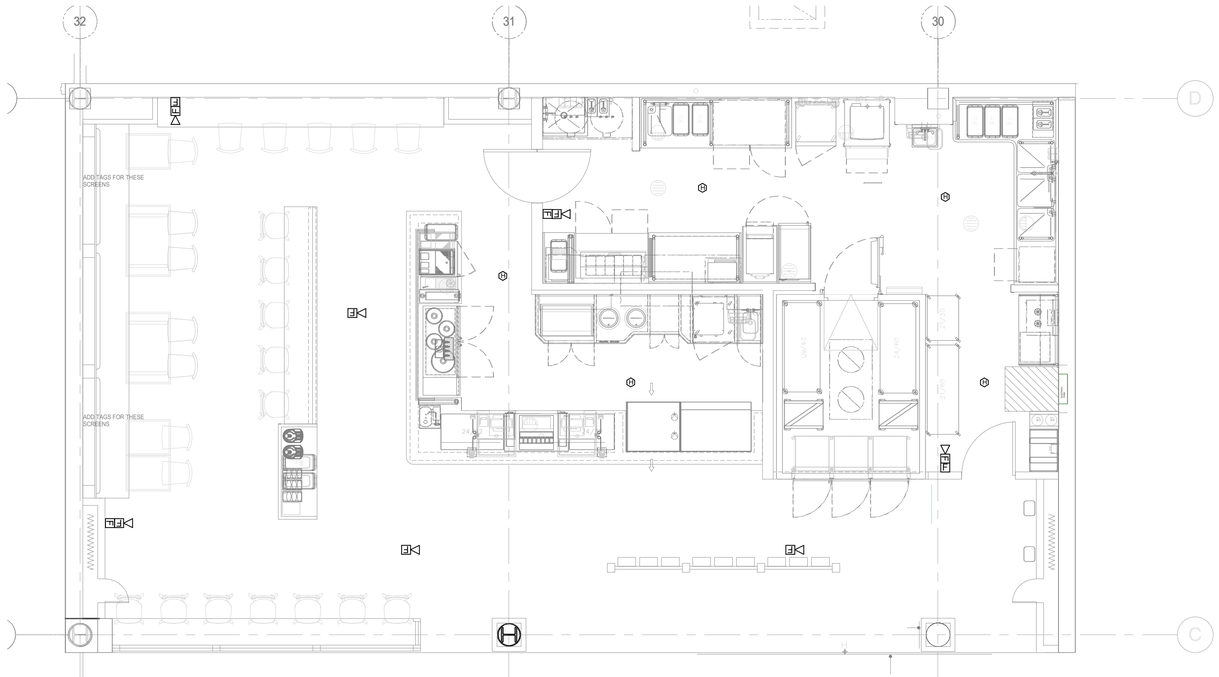
SHEET NUMBER

E1.2

PROJECT NUMBER	1808

FIRE ALARM NOTES (THIS SHEET ONLY)

1. FIRE ALARM SYSTEM DEVICES SHOWN ON DRAWINGS WITH NO CABLING FOR CLARITY. FIRE ALARM SYSTEM CABLING SHALL BE ROUTED IN DEDICATED CONDUIT SYSTEMS. MINIMUM 3/4" CONDUIT RED IN COLOR.



1 **FIRE ALARM PLAN**
SCALE: 1/4" = 1'-0"

1/4" = 1'-0" 2 0 2 4 8
SCALE FEET

NOT FOR CONSTRUCTION

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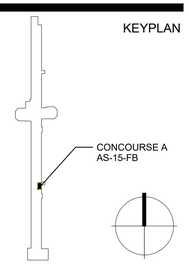
KEYPLAN



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FIRE ALARM PLAN

SHEET NUMBER

E2.1

PROJECT NUMBER	1808

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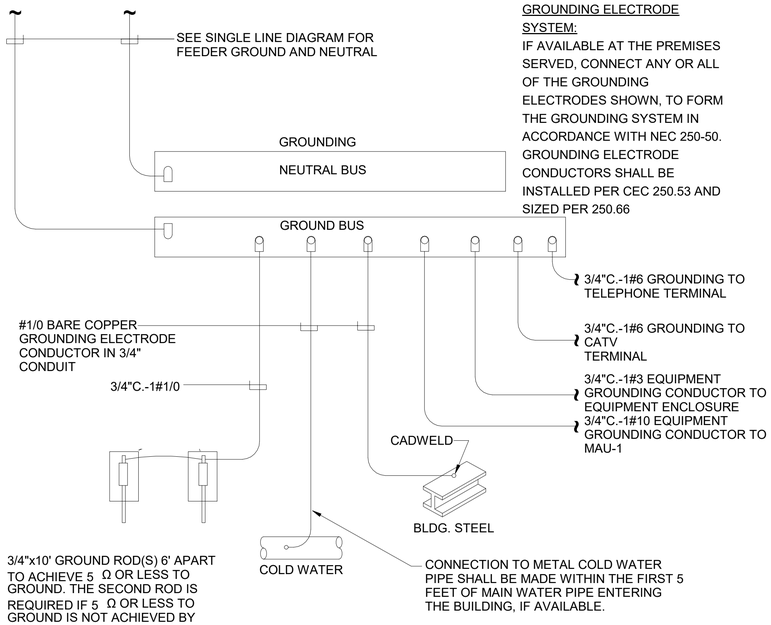
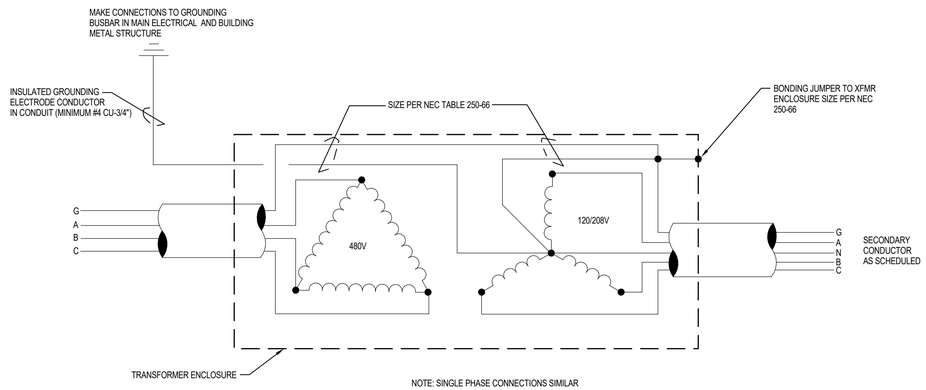


1 GROUNDING DETAIL
SCALE: NO SCALE



2 DRY TYPE TRANSFORMER CONNECTION DETAIL
SCALE: NONE

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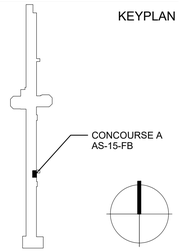

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ELECTRICAL DETAILS

SHEET NUMBER

E5.1

PROJECT NUMBER	1808

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PANELBOARD "HP-1" SCHEDULE

VOLTS: 480/277 Wye | **BUS:** 225 A | **MOUNTING:** Surface
PHASES: 3 | **MAIN:** MCB | **SECTIONS:**
WIRE: 4 | **SCCR:** EXISTING | **LOCATION:**

NOTES:

LOAD DESCRIPTION	CB TRIP / POLES		CKT #	A		B		C		CKT #	CB TRIP / POLES		LOAD DESCRIPTION
TRANS - LP1	175 A	3	1	29.1	4.4					2	3	25 A	MAU-1
--	--	--	3			31.5	4.4			4	--	--	--
--	--	--	5					23.8	4.4	6	--	--	--
EWH-1	30 A	3	7	6.0	6.0					8	3	30 A	EWH-2
--	--	--	9			6.0	6.0			10	--	--	--
--	--	--	11					6.0	6.0	12	--	--	--
			13							14			
			15							16			
			17							18			
			19							20			
			21							22			
			23							24			
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
			41							42			
PHASE TOTALS (kVA):				45.6		48.0		40.2					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED LOAD
Kitchen Equipment	65428 VA	65.00%	42528 VA
Lighting	1390 VA	125.00%	1738 VA
Receptacle	16200 VA	80.86%	13100 VA
Continuous	49302 VA	125.00%	61628 VA
Non-Continuous	1500 VA	100.00%	1500 VA

CONNECTED LOAD: 133751 VA
CALCULATED LOAD: 120408 VA
CONNECTED AMPERES: 161 A
CALCULATED AMPERES: 145 A

PANELBOARD "LP-1" SCHEDULE

VOLTS: 120/208 Wye | **BUS:** 300 A | **MOUNTING:** Surface
PHASES: 3 | **MAIN:** MCB | **SECTIONS:**
WIRE: 4 | **SCCR:** EXISTING | **LOCATION:**

NOTES:

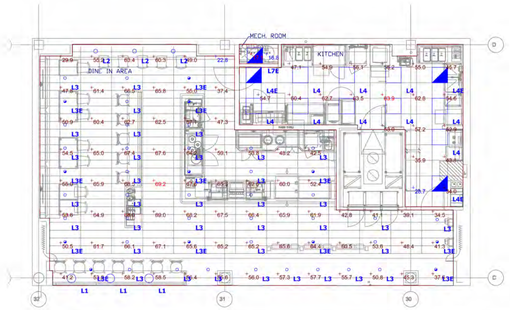
	LOAD DESCRIPTION	CB TRIP / POLES		CKT #	A		B		C		CKT #	CB TRIP / POLES		LOAD DESCRIPTION	
	LTG - FOH/BOH	20 A	1	1	1.4	1.4					2	1	20 A	REC - ICE MACHINE 011	(1)
	REC - MANAGER'S DESK 014	20 A	1	3			1.8	0.4			4	1	20 A	REC - U/C REFRIGERATOR 012	(1)
(1)	REC - SALAD PREP REF 026	20 A	1	5					0.7	1.8	6	1	20 A	REC - CONVEYOR TOASTER 025	(1)
(1)	REC - RAPID COOK OVEN 034	40 A	2	7	3.1	1.3					8	1	20 A	REC - HOT HOLDING DRAWER 027	(1)
	--	--	--	9			3.1	3.1			10	2	40 A	REC - RAPID COOK OVEN 034	(1)
(1)	REC - MULTI COOK OVEN 038	30 A	3	11					2.6	3.1	12	--	--	--	
	--	--	--	13	2.6	1.8					14	1	20 A	WALK-IN COOLER 041	(1)
	--	--	--	15			2.6	1.8			16	1	20 A	MERCHANDISING DISPLAY LTG 040	
	CENTER MOUNT EVAP COIL	20 A	1	17					0.4	0.5	18	1	20 A	REC - CONVENIENCE	(1)
(1)	REC - DRAFT BEER DISPENSER 105	20 A	1	19	0.3	1.8					20	1	20 A	WALK-IN COOLER 041	(1)
(1)	REC - SERVICE BEVERAGE DISP 106	20 A	1	21			1.8	1.2			22	2	40 A	REC - ESPRESSO MACHINE 100	(1)
(1)	REC - NON-REF SERVICE CASE 108	20 A	1	23					0.2	1.2	24	--	--	--	
(1)	REC - DROP-IN SOUP RETHERM 115	20 A	1	25	0.8	1.3					26	1	20 A	REC - REF SERVICE CASE 107	(1)
(1)	REC - DROP-IN SOUP RETHERM 115	20 A	1	27			0.8	0.7			28	1	20 A	REC - REF COUNTERTOP DISPLAY 114	(1)
(1)	REC - U/C REFRIGERATOR 120	20 A	1	29					0.4	3.0	30	2	40 A	REC - COFFEE MACHINE 119	(1)
	REC - POS/PRINTER/PIN PAD 500.1	20 A	1	31	0.5	3.0					32	--	--	--	
	REC - POS/PRINTER/PIN PAD 500.1	20 A	1	33			0.5	1.8			34	1	20 A	REC - IT RACK 530	
	REC - SELF-ORDER KIOSK 550	20 A	1	35					1.8	1.8	36	1	20 A	REC - IT RACK 530	
(1)	U/C HIGH TEMP DISHWASHER 702	50 A	2	37	3.4	1.8					38	1	20 A	REC - SELF-ORDER KIOSK 550	
	--	--	--	39			3.4	1.8			40	1	20 A	REC - SODA BIB RACK 801	(1)
	REC - CONVENIENCE USB	20 A	1	41					0.9	0.8	42	1	20 A	REC - CARBONATOR 803	(1)
	REC - CONVENIENCE USB	20 A	1	43	0.4	0.7					44	1	20 A	REC - CONVENIENCE USB	
	REC - DIGITAL MENUBOARD TV	20 A	1	45			1.8	0.5			46	1	20 A	REC - CONVENIENCE	
	ILLUMINATED SIGNS EGX	20 A	1	47					1.5	1.8	48	1	20 A	REC - DIGITAL MENUBOARD TV	
	ILLUMINATED SIGNS EGX	20 A	1	49	1.5	0.2					50	1	20 A	REC - DIGITAL MENUBOARD TV	
	REC - MILK FRIDGE COMPANION	20 A	1	51			1.9	0.2			52	1	20 A	REC - DIGITAL MENUBOARD TV	
	OUTDOOR REMOTE AIR-COOLED CONDENSER	20 A	2	53					1.2	0.2	54	1	20 A	REC - DIGITAL MENUBOARD TV	
	--	--	--	55	1.2	0.6					56	1	20 A	REC - REACH-IN FREEZER	(1)
(1)	U/C REFRIGERATION COOLER	20 A	1	57			0.4	1.8			58	1	20 A	REC - SODA BIB RACK 801	
				59							60				(1)
				61							62				
				63							64				
	PHASE TOTALS (kVA):				29.1		31.5		23.8						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED LOAD
Kitchen Equipment	65428 VA	65.00%	42528 VA
Lighting	1390 VA	125.00%	1738 VA
Receptacle	16200 VA	80.86%	13100 VA
Non-Continuous	1500 VA	100.00%	1500 VA

CONNECTED LOAD: 84450 VA
CALCULATED LOAD: 58782 VA
CONNECTED AMPERES: 234 A
CALCULATED AMPERES: 163 A

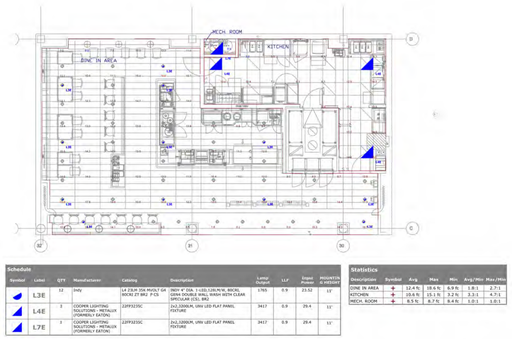
KEYNOTES

(1) PROVIDE GFCI BREAKER
(2) PROVIDE SHUNT TRIP BREAKER



Schedule							
Symbol	Label	QTY	Catalog Number	Description	Lumens per Lamp	LLF	Wattage
	L1	3	BELL LAMP SMALL	LED Pendant Lamp	495	0.9	9
	L2	3	ARIA 12" PENDANT	2000LM-120V-RAW BRASS	2144	0.9	20
	L3	36	L4 23LM 35K MVOLT G4 80CRI ZT P CS	INDY 4" DIA. I-LED,128LM/W, 80CRI, GEN4 DOUBLE WALL WASH WITH CLEAR SPECULAR (CS)	1765	0.9	23.52
	L3E	12	L4 23LM 35K MVOLT G4 80CRI ZT BR2 P CS	INDY 4" DIA. I-LED,128LM/W, 80CRI, GEN4 DOUBLE WALL WASH WITH CLEAR SPECULAR (CS), BR2	1765	0.9	23.52
	L4	9	22FP3235C	2x2,3200LM, UNV LED FLAT PANEL FIXTURE	3417	0.9	29.4
	L4E	3	22FP3235C	2x2,3200LM, UNV LED FLAT PANEL FIXTURE	3417	0.9	29.4
	L7E	1	22FP3235C	2x2,3200LM, UNV LED FLAT PANEL FIXTURE	3417	0.9	37

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
DINE IN AREA	+	56.6 fc	69.2 fc	22.8 fc	3.0:1	2.5:1
KITCHEN	+	52.1 fc	63.9 fc	28.7 fc	2.2:1	1.8:1
MECH. RDOM	+	16.9 fc	17.1 fc	16.8 fc	1.0:1	1.0:1



Schedule								
Symbol	Label	QTY	Manufacturer	Catalog	Description	Lamp Output	LLF	Input Power	MOUNTING HEIGHT
	L3E	12	Indy	L4 23LM 35K MVOLT G4 80CRI ZT BR2 P CS	INDY 4" DIA. I-LED,128LM/W, 80CRI, GEN4 DOUBLE WALL WASH WITH CLEAR SPECULAR (CS), BR2	1765	0.9	23.52	13'
	L4E	3	COOPER LIGHTING SOLUTIONS - METALUX (FORMERLY EATON)	22FP3235C	2x2,3200LM, UNV LED FLAT PANEL FIXTURE	3417	0.9	29.4	13'
	L7E	1	COOPER LIGHTING SOLUTIONS - METALUX (FORMERLY EATON)	22FP3235C	2x2,3200LM, UNV LED FLAT PANEL FIXTURE	3417	0.9	29.4	13'

Statistics						
Description	Symbol	Avg	Max	Min	Avg/Min	Max/Min
DINE IN AREA	+	12.4 fc	19.6 fc	6.9 fc	1.8:1	2.7:1
KITCHEN	+	19.4 fc	15.1 fc	3.2 fc	3.3:1	4.7:1
MECH. ROOM	+	6.5 fc	8.7 fc	6.4 fc	1.0:1	1.0:1

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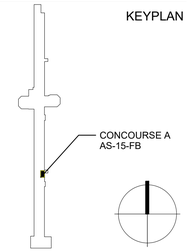

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CORNER CAFE

ELECTRICAL PANEL SCHEDULE

SHEET NUMBER

E6.1

PROJECT NUMBER 1808

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PARADIES LAGADERE I.T. REQUIREMENTS- DINING

INFORMATION BASED ON VERSION 2.0, 7/17/2025 NEW STORE I.T. PROCESSES AND REQUIREMENTS (PLTR)

UNDER REVIEW 8/28/25

I.T. RESPONSIBILITY LIST

ITEM	NOTES	PROVIDE G.C.	PROVIDE PLTR	INSTALL G.C.	INSTALL PLTR
I.T. CABINET AND PANEL(S)	BATTERY BACKUP PURCHASE MAY ALSO BE REQUIRED BASED ON DEPLOYMENT				
PULL CABLES FROM AIRPORT TELECOM ROOM	ALL DATA CABLING (FIBER/COPPER) NEEDS TO BE RUN THROUGH CONDUIT				
I.T. CABINET AND PATCH PANEL(S)	• WALL MOUNTED 6'-6" TO BOTTOM • MUST BE MINIMUM OF 3" BELOW THE CEILING, METAL, VENTILATED, LOCKING, OPEN BACK • STANDARD 19" RAILS • AT LEAST 200 LB. LOAD CAPACITY • (1) QUAD ISOLATED POWER OUTLET LOCATED INSIDE I.T. CABINET				
PULLING AND TERMINATE CABLES AND LABEL PATCH PANEL(S), AND NETWORK JACKS	SEE CABINET, TERMINATION, AND PORT LABELING SPECIFICATIONS				
PULLING AND TERMINATE CABLES FOR ACCESS POINT	• LOCATE ACCESS POINT CABLE TERMINATION AT THE CENTER OF CUSTOMER AREA • T568B STANDARD TERMINATION WITH FEMALE CONNECTOR				
CONSTRUCTION HANDOVER TO I.T. NETWORK VENDOR	PROVIDE PHOTOS OF THE FOLLOWING: • I.T. CABINET • PATCH PANEL WITH CABLES TERMINATED • POWER OUTLETS • ALL NETWORK JACKS WITH LABELS • POWERED BATTERY BACKUP • CASH DESK(S)				

DEPLOYMENT

THIS PROJECT IS A: SMALL DEPLOYMENT ☐

LARGE DEPLOYMENT ☐

COMMUNICATIONS & ELECTRICAL CONNECTIONS

ELECTRICAL SERVICE:
WIRES FROM AIRPORT ELEC. ROOM? ☐ YES ☐ NO ☐ EXISTING
CONDUIT REQUIRED? ☐ YES ☐ NO ☐ EXISTING

INTERNET CAT6 OR FIBER / CABLE TV:
WIRES FROM AIRPORT COMM. ROOM? ☐ YES ☐ NO ☐ EXISTING
CONDUIT FROM COMM. ROOM? ☐ YES ☐ NO ☐ EXISTING

CAT6, SPEAKER, CAMERA WIRES WITHIN SPACE:
CONDUIT REQUIRED IN PLENUM / WALLS? ☐ YES ☐ NO ☐ EXISTING
* ALL CABLING TO BE PLENUM RATED

TENANT IS RESPONSIBLE FOR CONTACTING CABLE TV SERVICE IF DESIRED. ALL FEES PAID BY TENANT

NOTES

- ALL NEW NETWORK WIRING MUST BE CAT6.
- ALL POWER OUTLETS MUST BE ACCESSIBLE AND DEDICATED CIRCUITS.
- ALL EQUIPMENT MUST BE AWAY FROM HEAT AND WATER.
- ALL DIGITAL DISPLAYS ARE REQUIRED ONE NETWORK JACK EVEN IF IT HAS PROVISIONED OTHER TYPE OF CONNECTIONS.
- GENERAL CONTRACTOR TO INSTALL SELF-CHECKOUT
- ALL OUTLETS AT I.T. CABINET. POS'S, AND SCO'S SHALL BE ISOLATED.

I.T. CABINET, PATCH PANEL, AND UPS POWER SYSTEM

SMALL DEPLOYMENT- (1 FIREWALL AND/OR 1 SWITCH)

ITEM	SPECIFICATION	WEBSITE
I.T CABINET/ RACK(S)	PANDUIT WALL MOUNT CABINET CDW MODEL NO. 5986976 SIZE: 23.8"H. X 25"W X 30"D., RACK UNITS: 12U -OR- EATON TRIPP LITE SERIES WALL MOUNT SM. RACK ENCLOSURE CDW MODEL NO. 2831800 SIZE: 17.7"H. X 25.1"W X 23.6"D., RACK UNITS: 12U	WWW.CDW.COM WWW.CDW.COM
PATCH PANEL	EATON TRIPP LITE SERIES 24 PORT RACK MOUNT CDW MODEL NO. 4225882	WWW.CDW.COM
POWER DISTRIBUTION (PDU)	EATON TRIPP LITE SERIES POWER STRIP RACKMOUNT METAL CDW MODEL NO. 164155 120V 5-15R 12 OUTLET 15' CORD 1URM	WWW.CDW.COM

LARGE DEPLOYMENT- (MORE THAN 1 FIREWALL AND SWITCH)

ITEM	SPECIFICATION	WEBSITE
I.T CABINET/ RACK(S)	EATON TRIPP LITE SERIES SMART RACK, WALL MOUNT CDW MODEL NO. 3949108 SIZE: 35.8"H. X 23.5"W X 26"D., RACK UNITS: 18U -OR- PANDUIT WALL MOUNT CABINET CDW MODEL NO. 5848703 SIZE: 34"H. X 25"W X 30"D., RACK UNITS: 18U	WWW.CDW.COM WWW.CDW.COM
PATCH PANEL	EATON TRIPP LITE SERIES 24 PORT RACK MOUNT CDW MODEL NO. 4225882	WWW.CDW.COM
UPS POWER SYSTEM & LICENSE (REQUIRED)	APC BY SCHNEIDER ELECTRIC SMART UPS 750VA CDW MODEL NO. 4751124 RM 2U 120V WITH SMART CONNECT SIZE: 3.4"H. X 17"W. X 16.1"D. -AND- SUBSCRIPTION, NETWORK MGMT CARDS, 3 YEAR CDW MODEL NO. 7536076	WWW.CDW.COM WWW.CDW.COM
POWER DISTRIBUTION (PDU)	EATON TRIPP LITE SERIES POWER STRIP RACKMOUNT METAL CDW MODEL NO. 164155 120V 5-15R 12 OUTLET 15' CORD 1URM	WWW.CDW.COM

PATCH PANEL

CONSTRUCTION LOW VOLTAGE VENDOR TO TERMINATE CAT6 CABLES AT PATCH PANEL, LABEL, AND TEST.

- CABLING RUNS TERMINATED IN KEYSTONE JACKS.
- PICTURED EXAMPLE OF CABLING PATH TO ACCOMMODATE INSTALLATION OF THE SWITCH DIRECTLY BELOW OR IN BETWEEN PATCH PANEL RACK SPACES.
- VENDOR TO PROVIDE CERTIFICATION OF CABLING, TESTING ALL WIRING PAIRS.

*FIBER PATCH PANEL NEEDS TO BE MOUNTED AT THE TOP MOST "U" OF THE I.T. CABINET

- FOR LOCATIONS THAT DO NOT REQUIRE FIBER, COPPER PATCH PANELS SHOULD SHIFT UP 1 "U" TO OCCUPY THE SPACE LEFT WHERE THE FIBER PATCH PANEL WOULD HAVE INSTALLED.

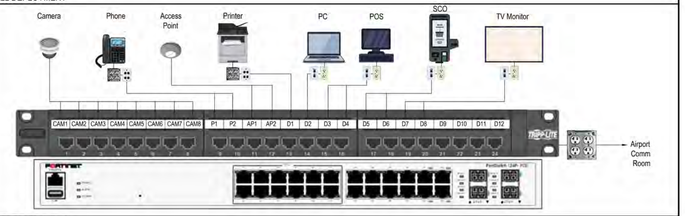
I.T. CABINET

SMALL DEPLOYMENT

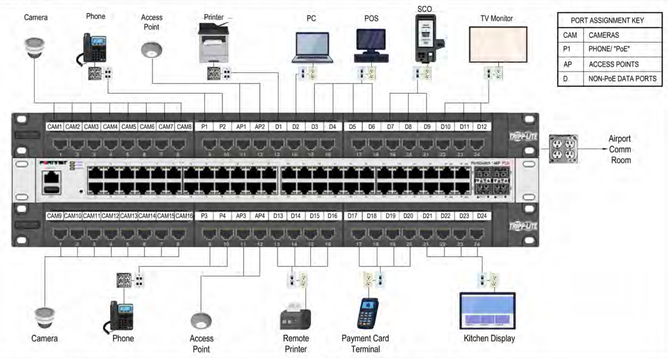
LARGE DEPLOYMENT

PORT PATCH PANEL ASSIGNMENTS

SMALL DEPLOYMENT



LARGE DEPLOYMENT

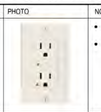


PORT ASSIGNMENT KEY	
CAM	CAMERAS
P1	PHONE/ "PoE"
AP	ACCESS POINTS
D	NON-PoE DATA PORTS

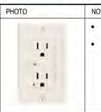
NETWORK

ITEM	PROVIDE	PHOTO	NOTES
POWER OUTLETS	G.C.		• ONE (1) ISOLATED QUAD POWER OUTLET INSIDE I.T. CABINET • INSTALLATION OF THE QUAD INSIDE THE CABINET MAY REQUIRE DRILLING HOLE(S) THROUGH REAR CABINET WALL • UPS GETS PLUGGED IN HERE. WITH U18 ONLY. PDU GETS PLUGGED INTO UPS • U12: PDU GETS PLUGGED INTO WALL
NETWORK JACKS	G.C.		• UNDER COUNTER NETWORK JACKS SECURED IN AN ETHERNET KEYSTONE WALL PLATE • LABELING TO MATCH CORRESPONDING PUNCHDOWN PORT AT THE PATCH PANEL • REQUIRE LINE TESTING/VERIFICATION FROM LOW VOLTAGE TECHNICIAN
CABLE TERMINATION	G.C.		• CAT6 UTP TERMINATED TO THE T568B STANDARD, FEMALE CONNECTIONS AT ENDPOINT
I.T. CABINET	G.C.		• FW, SWITCHES, DINING SERVER, NVR/QNAP/DVR CCTV SERVER • CRADLEPOINTS TO BE MOUNTED OR PLACED ON TOP • PDU MOUNTED MID-RACK ON REAR RAILS • RACK RAILS INSTALLED SUCH THAT THE SQUARE MOUNTING HOLES FACE THE FRONT, NOT THE CIRCULAR FIXED HOLES
PATCH PANEL	G.C.		• SEE PORT PATCH PANEL ASSIGNMENTS FOR LABELING SPECS
ACCESS POINT	PLTR		• DUAL CAT6 FROM NETWORK RACK TO AP LOCATION • AP LOCATION SHOULD BE WIRED TO THE CEILING (IF A DROP CEILING, TO SURFACE OF THE DROP CEILING WITH ACCESS TO THE WIRING FOR LATER INSTALLATION OR REPAIR • AP LOCATION SHOULD BE ROUGHLY IN THE CENTER OF THE STORE FOOTPRINT • AP'S WILL PROVIDE COVERAGE OF 2,500 S.F. TO 3,000 S.F., BUT WE SPEC FOR (1) AP PER ROUGHLY 2,000 S.F.

POS REQUIREMENT- DINING ALL INSTALLATION BY G.C.

ITEM	PROVIDE	PHOTO	NOTES
POWER OUTLETS	G.C.		• ONE (1) ISOLATED DUPLEX POWER OUTLET PER POS • MUST ALSO INCLUDE FLOATING SHELF TO SUPPORT THE POWER CONDITIONER 4.23"H. X 4.97"W X 7.58"D (WEIGHS 7 LBS.)
NETWORK JACKS	G.C.		• TWO (2) LABELED NETWORK JACKS PER POS
GROMMET	M.C. OR G.C.		• TWO-INCH DIAMETER GROMMET • SEE CONSTRUCTION DETAILS
POS AREA	PLTR		• SPACE FOR POS NEEDS TO BE 21"W X 18"D FROM GROMMET • CASH COUNTER HEIGHT: 30" FROM FLOOR TO CASH COUNTER SURFACE • A CUBBY OR SHELF FOR THE 2ND CASH DRAWER 5.5"H X 18"W X 20"D REQUIRED UNDER THE COUNTER • ALL EQUIPMENT SHOULD BE AT LEAST 2FT. AWAY FROM HEAT AND WATER E.G. KITCHEN SINK, STOVE, MICROWAVE, ETC. • IF A POS IS TO BE WALL-MOUNTED, THE TOP OF THE POS SCREEN MUST BE BETWEEN 55"-58". A SHELF NEEDS TO BE INSTALLED WITHIN 1 FT. AWAY. THE SHELF NEEDS TO BE AT A MINIMUM 12"W X 12"D, HOLDING 30LBS. • 40CI/04F MAX. OPERATING TEMP.
PAYMENT CARD TERMINAL	PLTR		• MOVE 5000S • EACH MOVE 5000 REQUIRES: 1. A DUPLEX POWER OUTLET (BEHIND LOCK AND KEY FOR CHARGING WHEN STORE CLOSED. GATE IS FINE) 2. NEEDS ACCESS POINT • DOCKING STATION DIMENSIONS: 8"L X 3.25"W X 2"H

KITCHEN DISPLAY OR KITCHEN PRINTER REQUIREMENT

ITEM	PROVIDE	PHOTO	NOTES
POWER OUTLETS	G.C.		• ONE (1) ISOLATED DUPLEX POWER OUTLET PER KITCHEN DISPLAY OR PRINTER • MUST BE WITHIN 2 FT. OF THE KITCHEN DISPLAY
NETWORK JACKS	G.C.		• TWO (2) LABELED NETWORK JACKS PER KITCHEN DISPLAY OR PRINTER
KITCHEN PRINTERS	PLTR	STANDARD REMOTE PRINTER "STICKY" REMOTE PRINTER	• STANDARD REMOTE PRINTER 5"W X 8"H X 8"D (DIMS INCLUDE PRINTER/RIBBON COVERS OPEN) • "STICKY" REMOTE PRINTER 6"W X 11"H X 9"D (INCLUDES PAPER COVER OPEN)
KITCHEN DISPLAY	PLTR		• 21"W X 13"H X 3"D • WEIGHT: 11.5 LBS/ 5.2 KG • KITCHEN DISPLAY AND BUMP BAR MUST BE MOUNTED ARMS-LENGTH • WALL MOUNT WILL BE SUPPLIED BY STORE SYSTEMS. MUST BE MOUNTED SO THAT THE TOP OF THE DISPLAY WILL NOT EXCEED 81" FROM THE GROUND. (WHEN TILTED DOWN AT 45 DEGREES) • IF THE TOP OF THE DISPLAY IS ABOVE 72" STORE SYSTEMS WILL PROVIDE A T-BAR FOR THE BUMP BAR. • MUST ALSO INCLUDE A FLOATING SHELF TO SUPPORT THE POWER CONDITIONER 4.23"H X 4.97"W X 7.58L AND WEIGHING 7 LBS.

KITCHEN DISPLAY SCENARIOS

ITEM	PROVIDE	PHOTO	NOTES
NO BUMP BAR	PLTR		• ALL KDS ARE TOUCH ENABLED • KDS WILL BE INSTALLED SOMEWHERE REACHABLE • SIZE: 21"W X 13"H X 3"D
BUMP BAR WITH T-BAR BRACKET	PLTR	PORTRAIT LANDSCAPE	• IF THE SITE PREFERS A BUMP BAR (PERHAPS IN A VERY GREASY AREA) AND THE KDS IS REACHABLE, WE CAN ADD A BUMP BAR ON A T-BAR BRACKET UNDERNEATH THE KDS • PORTRAIT KDS WITH T-BAR AND BUMP BAR: 24"H X 13"W X 5"D • LANDSCAPE KDS WITH T-BAR AND BUMP BAR: 17"H X 21"W X 5"D
BUMP BAR WITHOUT T-BAR	PLTR		• IF THE SITE WANTS A BUMP BAR BUT THE KDS IS NOT IN REACHABLE DISTANCE OR THERE IS NO ROOM UNDERNEATH THE KDS FOR A BUMP BAR, THE BUMP BAR BRACKET MUST BE MOUNTED SOMEWHERE REACHABLE. • BUMP BAR: 8.25"W X 1.25"H X 2.75"D

NOTE: ALL THE ABOVE APPLIES FOR KDS ON A MOUNT OR ON A STAND

OFFICE REQUIREMENT

ITEM	PROVIDE	PHOTO	NOTES
POWER OUTLETS	G.C.		• ONE (1) ISOLATED QUAD POWER OUTLET
NETWORK JACKS	G.C.		• FOUR (4) NETWORK JACKS
MITEL PHONE	PLTR		• FOR OFFICE: 6000 SERIES • SIZE: 9.3"L X 5.9"W X 7.5"H • FOR STORE: IP420G
PC	PLTR		• AIO= 14.73"H X 21.24"W X 8.56"D, 26"W TO USE A MOUSE • 14" LAPTOP CLOSED= 0.7"H X 12.75"W X 8.68"D, OPEN: 10"H X 15"W X 11"D
PRINTER	PLTR		• C180F- 17.3"W X 13.5"D X 11"H • MC240FW- 16.19"W X 15.52"D X 13.56"H • EPSON WF-C4810- 16.7"W X 15.3"D X 13"H

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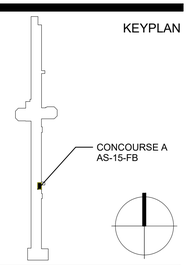
KEYPLAN



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2025.10.27	60% COORDINATION REVIEW	
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2026.02.04	60% OFI PRE-BID	
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IT NOTES

SHEET NUMBER

E7.1

PROJECT NUMBER	1808

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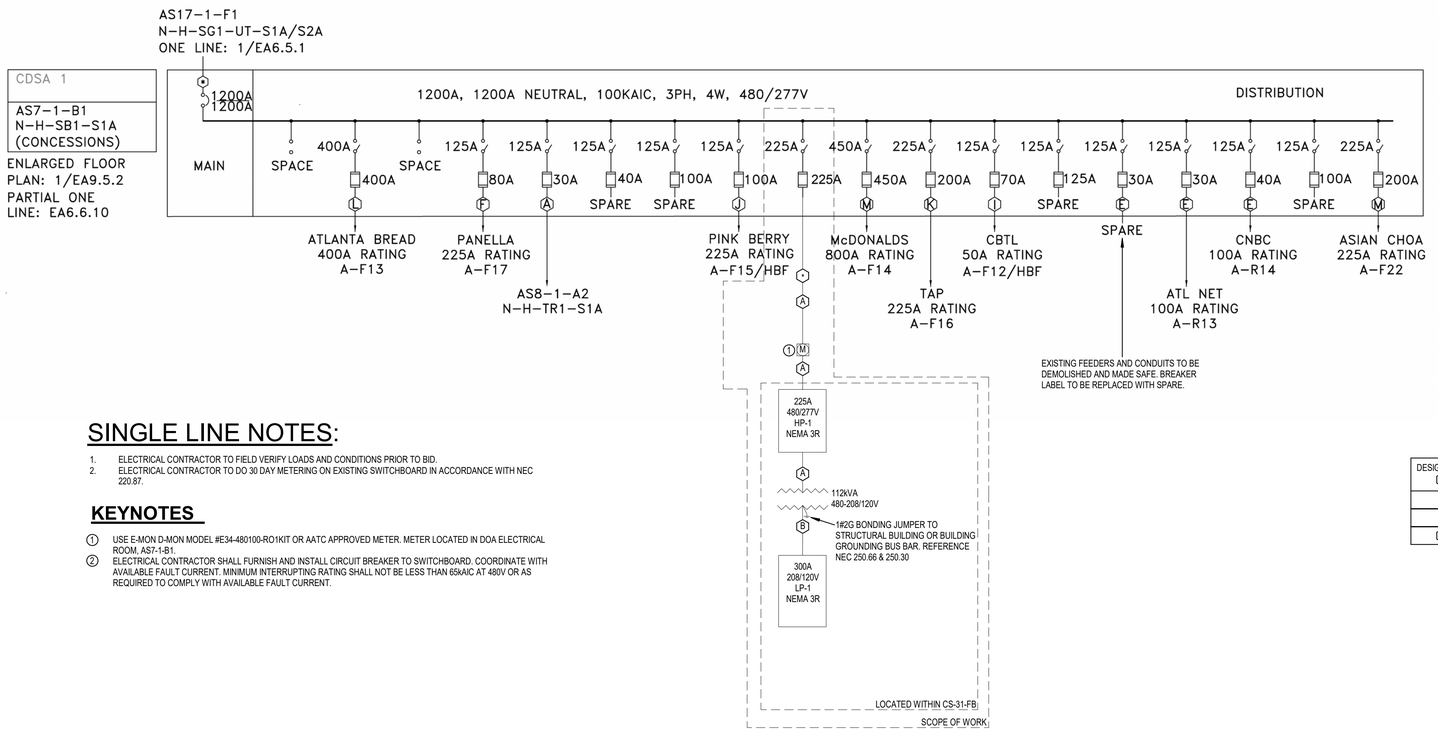

SINGLE LINE NOTES:

1. ELECTRICAL CONTRACTOR TO FIELD VERIFY LOADS AND CONDITIONS PRIOR TO BID.
2. ELECTRICAL CONTRACTOR TO DO 30 DAY METERING ON EXISTING SWITCHBOARD IN ACCORDANCE WITH NEC 220.87.

KEYNOTES

① USE E-MON D-MON MODEL #E34-480100-RO1KIT OR AATC APPROVED METER. METER LOCATED IN DOA ELECTRICAL ROOM, AS7-1-B1.
② ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL CIRCUIT BREAKER TO SWITCHBOARD. COORDINATE WITH AVAILABLE FAULT CURRENT. MINIMUM INTERRUPTING RATING SHALL NOT BE LESS THAN 65kAIC AT 480V OR AS REQUIRED TO COMPLY WITH AVAILABLE FAULT CURRENT.

CONDUCTOR SCHEDULE

DESIGNATION ⬡	NUM COND PER PHASE	PHASE SIZE	NEUTRAL SIZE	GROUNDING CONDUCTOR	INSULATION TYPE	CONDUCTOR TYPE	CONDUIT SIZE
A	1	2/0	N/A	6	THWN	CU	2"
B	1	350	350	3	THWN	CU	3"
⬡	SEE ONE LINE DIAGRAM NOTED FOR THIS DESIGNATION FOR SERVING FEEDER SIZE						

1 SINGLE LINE DIAGRAM

SCALE: 1" = 1'-0"

1/4" = 1'-0" — 2 0 2 4 8 — SCALE FEET

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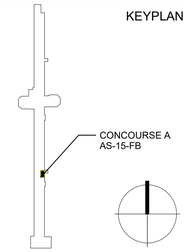

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ELECTRICAL - SINGLE LINE DIAGRAM

SHEET NUMBER

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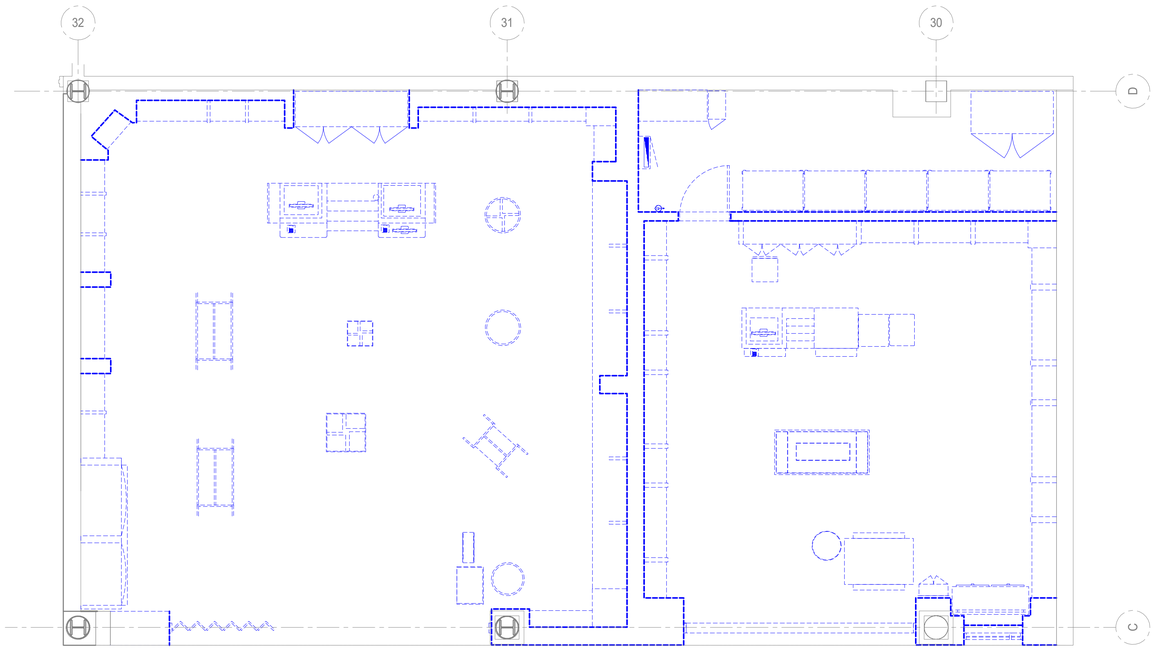
GENERAL DEMO NOTES: (THIS SHEET ONLY)

1. ELECTRICAL CONTRACTOR SHALL VISIT AND EXAMINE THE SITE PRIOR TO CONSTRUCTION TO VERIFY THE EXISTING CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
2. DEMOLITION SCOPE IS LIMITED TO THE CURRENT SPACE AND WILL NOT AFFECT AREAS OUTSIDE OF THE SPACE. ELECTRICAL CONTRACTOR SHALL REMOVE DEVICES ON THE WALLS THAT ARE TO BE DEMOLISHED AS DIRECTED BY THE ARCHITECT.
3. NO ABANDONED CABLE OR RACEWAY DUE TO DEMOLITION SHALL BE ALLOWED. REMOVE ALL WIRING, CONDUIT, AND OTHER ASSOCIATED RACEWAYS BACK TO THE SOURCE.
4. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED WIRING, RECEPTACLES, CONDUITS, JUNCTION BOXES, SURFACE RACEWAY, ECT. FOR DEVICES/LOADS BEING REMOVED. ITEMS REMOVED SHALL BECOME PROPERTY OF THE ELECTRICAL CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ITEMS REMOVED SHALL NOT BE STORED AT THE SITE. UNDER NO CONDITION SHALL ITEMS REMOVED BE USED IN THE NEW CONSTRUCTION.
5. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO PROTECT AND RETAIN POWER TO ALL EXISTING EQUIPMENT THAT IS TO REMAIN. THIS INCLUDES RE-ROUTING OF EXISTING CIRCUITING AFFECTED BY DEMOLITION.
6. ALL REMOVED COMPUTER EQUIPMENT SHALL BE RETURNED TO OWNER UNLESS DIRECTED TO DO OTHERWISE.
7. SEE ALL MECHANICAL DRAWINGS FOR HEATERS, EXHAUST FANS, ETC. WHICH MUST BE DISCONNECTED BY THE ELECTRICAL CONTRACTOR FOR REMOVAL OR ABANDONMENT BY MECHANICAL CONTRACTOR.
8. REMOVE ALL CONDUIT, WIRE, BOXES, AND FASTENING DEVICES AS REQUIRED TO AVOID AND INTERFERENCE WITH NEW INSTALLATION.
9. ELECTRICAL CONTRACTOR SHALL TRACE ALL CIRCUITS IN EXISTING PANELS THAT IS TO BE AFFECTED BY DEMOLITION. TAG ALL UNUSED CIRCUIT BREAKERS AS "SPARE" AND TIGHTEN ALL CONNECTIONS. PROVIDE NEW TYPED DIRECTORY PROTECTED BY PLASTIC AND PLACE IN COVER OF PANEL(S) CONSISTEN WITH NEW CONSTRUCTION.
10. HOLES LEFT BY ELECTRICAL DEVICES, PANEL, ETC. REMOVAL SHALL BE PATCHED IN EXISTING WALLS TO REMAIN.



1 ELECTRICAL POWER DEMO

SCALE: 1/4" = 1'-0"

2 0 2 4 8

1/4" = 1'-0" SCALE FEET

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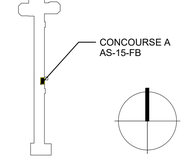
KEYPLAN



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ELECTRICAL DEMO PLAN

SHEET NUMBER

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PLUMBING PIPE ACCESSORIES & VALVES

NOT ALL SYMBOLS ARE USED FOR THIS PROJECT

BFP	BALANCING VALVE
	BACKFLOW PREVENTER
	BRANCH CONNECTION, BOTTOM
	BRANCH CONNECTION, TOP
	CHECK VALVE
	CONNECT TO EXISTING
	DIRECTION OF FLOW
	ELBOW, TURNED UP
	ELBOW, TURNED DOWN
	FLOOR OR GRADE REGULATOR
	FLOOR OR ROOF DRAIN
	FLOOR SINK
	GAS PRESSURE REGULATOR
	HOT WATER CIRCULATION PUMP
	PIPING CAP
	PIPE CLEANOUT
	PIPE BREAK/CONTINUATION
	PIPE FLANGE
	PRESSURE REDUCING VALVE
	SHUT-OFF VALVE
	SOLENOID VALVE
	STRAINER
	TEMPERATURE & PRESSURE RELIEVE VALVE (T&P)
	TRAPPED CONNECTION
	TRENCH DRAIN
	UNION
WHA	WATER HAMMER ARRESTOR (WHA)
WH	WALL HYDRANT (WH) OR HOSE BIBB (HB)
WCO	WALL CLEANOUT (WCO)

PLUMBING PIPE SYMBOLS

NOT ALL SYMBOLS ARE USED FOR THIS PROJECT

CD	CONDENSATE DRAIN PIPING
	DOMESTIC COLD WATER PIPING (CW)
	DOMESTIC HOT WATER PIPING (HW)
	DOMESTIC HOT WATER CIRCULATION PIPING (HWC)
D	DRAIN PIPING
GWW	GRAY WATER WASTE PIPING
GW	GREASE WASTE PIPING
	HEAT TRACED PIPING
NG	NATURAL GAS PIPING
NP	NON-POTABLE WATER PIPING
OW	OIL WASTE PIPING
PD	PUMP DISCHARGE PIPING
SAN	SANITARY DRAIN PIPING ABOVE FLOOR SLAB
SSD	SUBSOIL DRAINAGE PIPING
ST	STORM DRAIN PIPING BELOW THE FLOOR SLAB
ST	STORM OVERFLOW DRAIN PIPING
V	SANITARY VENT PIPING
SAN	SANITARY DRAIN PIPING BELOW THE FLOOR SLAB

ABBREVIATIONS

ABV.	ABOVE
BEL.	BELOW
BFP	BACKFLOW PREVENTER
CB	CATCH BASIN
CLG.	CEILING
CW	COLD WATER
DSB	DOWNSPOUT BOOT
DSC	DOWNSPOUT COVER
ERW	EMERGENCY RAINWATER (SECONDARY)
FCO	FLOOR CLEANOUT
FCW	FILTERED COLD WATER
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
FS	FLOOR SINK
GA.	GAUGE
GALV.	GALVANIZED
GCO	EXTERIOR GRADE CLEANOUT
GH	GROUND HYDRANT
HB	HOSE BIBB
HD	HUB DRAIN
HW	HOT WATER
HWC	HOT WATER CIRCULATING
I.E.	INVERT ELEVATION
IMB	ICE MAKER VALVE BOX
LI	LINT INTERCEPTOR
MAX.	MAXIMUM
MIN.	MINIMUM
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
O.C.	ON CENTER
OS	OIL/SAND INTERCEPTOR
OW	OIL WASTE
PD	PARKING DECK DRAIN
PRV	PRESSURE REDUCING VALVE
RHB	ROOF HYDRANT
RW	RAINWATER (PRIMARY)
S	SANITARY
SG	SAND/GRIT INTERCEPTOR
SW	SAMPLE WELL
TD	TRENCH DRAIN
TP	TRAP PRIMER
TW	TEMPERED WATER
TYP.	TYPICAL
V	VENT
VA.	VALVE
W	WASTE
WB	WASHER BOX
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WHE	WATER HEATER - ELECTRIC
WHG	WATER HEATER - GAS
WHT	WATER HEATER - TANKLESS ELECTRIC

HEAT TRACE SCOPE AND GENERAL NOTES

1. PROVIDE UL LISTED SELF-REGULATING ELECTRIC HEATING CABLE (HEAT TRACING) FOR WINTERIZATION AND FREEZE PROTECTION OF ALL WATER PIPING AND DRAINAGE TRAPS LOCATED IN UNHEATED OR EXPOSED AREAS SUBJECT TO FREEZING CONDITIONS. REFER TO PLANS FOR ADDITIONAL LOCATIONS AND COORDINATE ROUTING WITH ELECTRICAL AND MECHANICAL TRADES.
2. PROVIDE SELF-REGULATING ELECTRIC HEATING CABLE (HEAT TRACING) FOR TEMPERATURE MAINTENANCE OF ALL GREASE WASTE PIPING WHEN INDICATED ON THE PROJECT SCOPE.
3. HEAT TRACE FOR ALL DOMESTIC WATER PIPING AND DRAIN TRAPS SHALL MAINTAIN A MINIMUM PIPE TEMPERATURE OF 40°F.
4. HEAT TRACE FOR ALL GREASE WASTE PIPING SHALL MAINTAIN A MINIMUM PIPE TEMPERATURE OF 110°F.
5. THE HEAT TRACING SYSTEM SHALL INCLUDE ALL REQUIRED ACCESSORIES, THERMOSTATS, INSULATION, AND CONTROL PANELS TO PROVIDE A COMPLETE AND AUTOMATICALLY OPERATED SYSTEM.
6. THE HEAT TRACING SYSTEM SHALL BE MONITORED AND CONNECTED TO THE BUILDING MANAGEMENT SYSTEM (BMS) OR LOCAL CONTROL PANEL AS REQUIRED BY THE HARTSFIELD-JACKSON DEPARTMENT OF AVIATION (DOA).
7. REFER TO THE MANUFACTURER'S DESIGN GUIDE FOR DETAILED INSTALLATION REQUIREMENTS, INCLUDING MAXIMUM CIRCUIT LENGTHS, INSULATION THICKNESS, AND ATTACHMENT METHODS.
8. ALL HEAT TRACE WIRING AND TERMINATIONS SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), CITY OF ATLANTA AMENDMENTS, AND THE DOA DESIGN AND CONSTRUCTION STANDARDS.
9. PROVIDE JUNCTION BOXES, POWER FEEDS, AND CIRCUIT LABELING FOR ALL HEAT TRACE ZONES AS REQUIRED FOR ELECTRICAL POWER. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND COORDINATION.

COMMON DRAWING REFERENCES

NOT ALL SYMBOLS ARE USED FOR THIS PROJECT

XX / #	XX: RISER SERVICE DESIGNATION #: RISER NUMBER DESIGNATION
X / X-#	X: DETAIL DESIGNATION X-#: DETAIL DESIGNATION DRAWING
	DETAIL DESIGNATION
	SHEET ON WHICH DETAIL OR SECTION APPEARS
#	KEY NOTE
#	DEMOLITION KEY NOTE
	CONNECT NEW TO EXISTING
	LIMIT OF DEMOLITION
	MATCHLINE
1	REVISION TAG

PHASING LINE TYPE LEGEND

	EXISTING TO REMAIN OR NEW WORK BY OTHERS (LIGHT, SOLID LINE)
	NEW WORK BY THIS CONTRACTOR (DARK, SOLID LINE)
	EXISTING TO BE REMOVED BY THIS CONTRACTOR (DARK, DASHED LINE, DEMOLITION PLANS)

SHEET INDEX - PLUMBING

NUMBER	NAME
P0.1	PLUMBING COVER SHEET
P0.2	PLUMBING SCHEDULES
P0.3	PLUMBING SPECIFICATIONS
P1.1	PLUMBING PLAN - LEVEL 1
P1.2	PLUMBING PLAN - APRON LEVEL
P1.3	PLUMBING PLAN - ROOF
P5.1	PLUMBING DETAILS
P9.1	PLUMBING ISOMETRICS

PLUMBING GENERAL NOTES

1. THIS PROJECT CONSISTS OF A NEW PLUMBING INSTALLATION IN AN EXISTING AIRPORT CONCOURSE SPACE THAT PREVIOUSLY HAD NO PLUMBING SYSTEMS. CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS, STRUCTURE, AND UTILITY ENTRY LOCATIONS PRIOR TO BEGINNING WORK.
2. ALL WORK SHALL COMPLY WITH THE GEORGIA PLUMBING CODE, HARTSFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT (HJAIA) TENANT DESIGN GUIDELINES, AND ALL AHJ REQUIREMENTS.
3. COORDINATE ROUTING OF ALL WATER, WASTE, AND VENT PIPING WITH ARCHITECTURAL, STRUCTURAL, ELECTRICAL, MECHANICAL, AND FOOD SERVICE DRAWINGS.
4. FIRESTOP ALL NEW PENETRATIONS THROUGH RATED ASSEMBLIES USING UL-LISTED FIRESTOP SYSTEMS.
5. PROVIDE ACCESS PANELS WHERE REQUIRED TO SERVICE ALL VALVES, MIXING VALVES, CLEANOUTS, AND OTHER SERVICEABLE COMPONENTS.

COORDINATION SPECIFIC NOTES

1. COMPLETELY COORDINATE AND COOPERATE WITH THE WORK OF ALL OTHER TRADES SO THAT ALL SYSTEMS SHOWN MAY BE INSTALLED IN THE BEST POSSIBLE ARRANGEMENT AND PROVIDE A COMPLETE AND FULLY FUNCTIONAL INSTALLATION. COORDINATE ALL WORK WITH OTHER TRADES THAT SHARE SPACE IN COMMON CEILING AREAS, WALLS, OR CHASES TO AVOID CONFLICTS AND ENSURE PROPER CLEARANCES.
2. BEFORE BEGINNING WORK, THE CONTRACTOR SHALL PROVIDE COORDINATED DRAWINGS THAT INCLUDE ELECTRICAL EQUIPMENT. CONDUITS LARGER THAN 2 INCHES, HVAC DUCTWORK AND PIPING, FIRE PROTECTION SYSTEMS, ARCHITECTURAL ELEMENTS, AND STRUCTURAL COMPONENTS.
3. EACH TRADE SHALL VERIFY THE CONSTRUCTABILITY OF THEIR WORK SHOWN ON THE COORDINATED DRAWINGS PRIOR TO SUBMISSION FOR REVIEW. ALL COORDINATED DRAWINGS SHALL BE SUBMITTED TO THE AOR AND EOR FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND CLEARANCES BEFORE INSTALLATION. ANY CONFLICTS SHALL BE REPORTED TO THE ENGINEER AND DOA FACILITIES TEAM FOR RESOLUTION PRIOR TO PROCEEDING.

CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED, INSTALLED, AND TESTED IN COMPLIANCE WITH THE CODES AND AMENDMENTS ADOPTED BY THE INSPECTION AUTHORITY. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHER APPLICABLE TO THIS PROJECT.

A. STATE BUILDING CODES INCLUDING THE LATEST STATE ADOPTED CODE AMENDMENTS AND REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION (AHJ):
1. 2024 INTERNATIONAL PLUMBING CODE (GEORGIA AMENDMENTS)
2. 2024 INTERNATIONAL BUILDING CODE (GEORGIA AMENDMENTS)
3. 2015 INTERNATIONAL ENERGY CONSERVATION CODE (GEORGIA AMENDMENTS)
4. 2024 INTERNATIONAL FIRE CODE (GEORGIA AMENDMENTS)

NOT FOR CONSTRUCTION

DRAWING DISCLAIMER: THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, INTERIOR DESIGN, FOOD SERVICE, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL DRAWINGS AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

THIS DRAWING SHOULD ALSO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL MASTER SPECIFICATION, FOOD SERVICE SPECIFICATION AND ENVIRONMENTAL GRAPHICS SPECIFICATION AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

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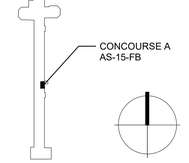
KEYPLAN



REVISION

DATE	ISSUE	REVISION
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.03.24	100% AIRPORT REVIEW	

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ATL HARTSFIELD-JACKSON
AS-15-FB
CORNER CAFE

PLUMBING COVER SHEET

SHEET NUMBER

P0.1

PROJECT NUMBER 1808

smart

FOOD SERVICE PLUMBING FIXTURE CONNECTION AND SPECIFICATION SCHEDULE

FIXTURE INDENTIFICATION	QTY	EQUIPMENT	MANUFACTURER	MODEL NUMBER	UTILITY SIZE					MANUFACTURER & MODEL BASIS OF DESIGN
					DW	HW	CW	FCW	IW	
004	1	L-SHAPE WARE WASHING TABLE WITH THREE COMPARTMENT SINK	SS FABRICATION	CUSTOM	-	-	-	-	1-1/2"	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
004.1	1	WALL / SPLASH MOUNT FAUCET	T & S BRASS	B-0231	-	1/2"	1/2"	-	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
004.2	1	WALLMOUNT PRE-RINSE FAUCET	T & S BRASS	B-0131-ADF12-BC	-	1/2"	1/2"	-	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
004.3	2	HOSE BIBB FAUCET	T & S BRASS	B-0702	-	1/2"	1/2"	-	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
007	1	WALL MOUNTED HAND SINK	ADVANCE TABCO	7-PS-66-NF	1-1/2"	-	-	-	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
007.1	1	SPLASH MOUNT FAUCET	T & S BRASS	B-1146-04-CR	-	1/2"	1/2"	-	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
011	1	ICE MACHINE	FOLLETT	D710A	-	-	-	3/8"	3/4"	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
011.1	1	ICE BIN	FOLLETT	SG500S-30	-	-	-	-	1"	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
015	1	COMBINATION WATER FILTER	EVERPURE	EV9328-06	-	-	3/4"	3/4"	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
016	1	PREP TABLE W/ SINK	SS FABRICATION	CUSTOM	-	-	-	-	1-1/2"	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
016.1	1	DECK MOUNT FAUCET	T & S BRASS	B-0221	-	1/2"	1/2"	-	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
018	1	MOP SINK	SS FABRICATION	CUSTOM	2"	-	-	-	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
018.1	1	SERVICE SINK FAUCET	T & S BRASS	B-0665-BSTP	-	1/2"	1/2"	-	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
041.1	1	CENTER MOUNT EVAPORATOR COIL	BOHN	TBD	-	-	-	-	3/4"	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
100	1	ESPRESSO MACHINE	EVERSYS	E2C/CLASSIC-TEMPEST	-	-	-	3/8"	3/4"	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
105	1	DRAFT BEER DISPENSER	KROWNE	DB60L	-	-	-	-	1/2"	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
111	1	DROP IN RINSE STATION	SS FABRICATION	CUSTOM	-	-	-	-	1-1/2"	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
111.1	1	DIPPERWELL FAUCET	T&S BRASS	B-2282	-	-	3/8"	-	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
111.2	1	GLASS RINSER	MICRO MATIC USA	GR-1581	-	-	3/8"	-	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
116	1	DROP-IN HAND SINK	ADVANCE TABCO	DI-1-10SP	1-1/2"	-	-	-	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
116.1	1	HAND SINK FAUCET	T & S BRASS	B-0325-WH4	-	1/2"	1/2"	-	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
119	1	COFFEE MACHINE	BUNN-O-MATIC	53200.0102	-	-	-	3/8"	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
401	1	HOT WATER HEATER PLATFORM	TBD	TBD	-	-	-	-	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
702	1	U/C HIGH TEMP DISHWASHER	ECOLAB	E-UHT WITH CASTER SET	-	1/2"	-	-	1"	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
802	1	SERVICE BEVERAGE DISPENSER / ICE BIN	LANCER	ICD 2300 STD	-	-	-	-	3/4"	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR
803	1	CARBONATOR	MCCANN'S	BIG MAC - E400397	-	-	-	3/8"	-	FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR

NOTES:

1. ALL FOOD-ZONE PLUMBING FIXTURES, EQUIPMENT, AND CONNECTIONS SHALL BE NSF/ANSI-LISTED AND INSTALLED PER MANUFACTURER INSTRUCTIONS.
2. INDIRECT WASTE: DISCHARGE ALL FOOD-SERVICE EQUIPMENT WASTES TO A FLOOR SINK THROUGH AN APPROVED AIR GAP PER IPC §802 AND LOCAL HEALTH DEPARTMENT REQUIREMENTS. (AIR GAP ≥ 2× THE TAILPIECE OD, NOT LESS THAN 1 IN.)
3. VERIFY FINAL EQUIPMENT MODELS, CONNECTION SIZES, TEMPERATURES, AND UTILITIES WITH THE FOOD-SERVICE PACKAGE PRIOR TO ROUGH-IN.
4. COORDINATE WATER FILTRATION LOCATION, SERVICE CLEARANCE, AND CAPACITY WITH THE EQUIPMENT MANUFACTURER AND AIRPORT STANDARDS.
5. ENSURE ALL PUBLICLY ACCESSIBLE FIXTURES COMPLY WITH ADA / ANSI A117.1.
6. ROUTE ALL GREASE-LADEN WASTE TO THE GREASE INTERCEPTOR; PROVIDE CLEANOUTS PER CODE.
7. PROVIDE ACID-RESISTANT, TILE-SET FLOOR SINKS/DRAINS COMPATIBLE WITH QUARRY TILE; COORDINATE RIM ELEVATIONS AND SLOPES WITH ARCHITECTURAL DRAWINGS.
8. EXCEPTIONS (TYPICAL): DO NOT ROUTE ICE MACHINE MELT WATER, BEVERAGE SYSTEM RELIEF/CO_2 CONDENSATE, OR HVAC CONDENSATE TO THE GREASE SYSTEM; PIPE PER AHJ DIRECTION.
9. SEE DETAIL 1/S2.0 FOR WATER HEATER PLATFORM DETAIL.

BACKFLOW PREVENTION:

A. PROVIDE DEVICES PER IPC §608 AND ASSE STANDARDS, AS REQUIRED BY EQUIPMENT SUBMITTALS AND THE AHJ:

B. HOSE CONNECTIONS (HOSE BIBBS, JANITOR/MOP SINKS) (004.3, 18.1) : ASSE 1011 (HOSE-CONNECTION VACUUM BREAKER) OR ASSE 1052 (SPILL-RESISTANT HCVB).

C. PRE-RINSE/FAUCETS WITH SPRAY HOSES (004.2): FAUCET WITH INTEGRAL VACUUM BREAKER LISTED FOR CONTINUOUS PRESSURE (MANUFACTURER-PROVIDED; VERIFY LISTING).

D. CARBONATED BEVERAGE DISPENSERS (803): ASSE 1022 BACKFLOW PREVENTER (DUAL CHECK WITH INTERMEDIATE VENT).

E. CHEMICAL DISPENSERS: ASSE 1055.

F. DISHWASHERS / ICE MACHINES (702, 011): PROVIDE BACKFLOW PER MANUFACTURER AND AHJ (OFTEN ASSE 1013 RP OR ASSE 1015 DCVA WHEN REQUIRED BY LISTING/CHEMICALS).

WATER HAMMER ARRESTOR SCHEDULE

PDI WHA IDENTIFICATION	FIXTURE UNIT CAPACITY	PIPE CONNECTION SIZE
A	1 - 11	1/2"
B	12 - 32	3/4"
C	33 - 60	1"
D	61 - 113	1 1/4"
E	114 - 154	1 1/2"
F	155 - 330	2"

NOTES:

1. WATER HAMMER ARRESTORS SHALL BE THE PISTON TYPE. THE INSTALLATION SHALL BE IN COMPLIANCE WITH ASSE 1010 AND THE LATEST VERSION OF PLUMBING AND DRAINAGE INSTITUTE (PDI) STANDARD PDI-WH 201.
2. REFER TO THE WATER RISER DIAGRAM FOR ADDITIONAL INFORMATION.

ELECTRIC STORAGE WATER HEATER SCHEDULE

WATER HEATER IDENTIFICATION	LOCATION	STORAGE (GALLONS)	RECOVERY		ELECTRICAL DATA				TEMPERATURE SETTING	MANUFACTURER AND MODEL (BASIS OF DESIGN)	NOTES
			GPH	DEGREE RISE	kW	V	PH	HZ			
EWH-1	OVER SERVICE SINK ON STRUCTURAL PLATFORM	50	92	80°F	18kW	480	3	60	140°F	A.O. SMITH MODEL: DSE-50A (CUSTOM Xi) OR APPROVED EQUAL	1 - 6
EWH-2	OVER SERVICE SINK ON STRUCTURAL PLATFORM	50	92	80°F	18kW	480	3	60	140°F	A.O. SMITH MODEL: DSE-50A (CUSTOM Xi) OR APPROVED EQUAL	1 - 6

NOTES:

1. RECIRCULATION NOT REQUIRED – ALL HOT-WATER FIXTURES ARE WITHIN 50 FT OF THE WATER HEATER. PROVIDE FULL INSULATION ON ALL HOT-WATER PIPING PER IECC/ASHRAE 90.1.
2. PROVIDE THERMAL EXPANSION TANK SIZED FOR SYSTEM VOLUME, 140°F STORAGE, AND SET PRESSURE. LOCATE ON BUILDING SIDE OF ANY PRV OR BACKFLOW DEVICE.
3. PROVIDE VACUUM RELIEF (WHERE REQUIRED) AND T&P RELIEF PIPED FULL-SIZE TO AN APPROVED RECEPTOR WITH VISIBLE AIR GAP. INCLUDE FULL-PORT DRAIN, UNIONS, AND DIELECTRIC ISOLATION.
4. ELECTRICAL: COORDINATE VOLTAGE/PHASE (208Y/120 V, 3Φ), KW, MCA/MOCP, CONDUCTORS, AND DISCONNECTS WITH ELECTRICAL; VERIFY AVAILABLE PANEL CAPACITY.
5. IF A HIGH-TEMPERATURE DISHWASHER IS USED, CONTRACTOR TO FURNISH A BOOSTER HEATER (TO 180°F) SIZED PER MACHINE'S GPH AND ΔT; OMIT FOR LOW-TEMP CHEMICAL UNITS.
6. PIPE TWO HEATERS IN TRUE PARALLEL WITH BALANCED TEES; PROVIDE ISOLATION VALVES AND CHECK VALVES ON EACH UNIT.

DRAIN SCHEDULE

IDENTIFICATION	TYPE	BASIS OF DESIGN		OPTIONS AND ACCESSORIES	NOTES
		MANUFACTURER	MODEL		
FFD	FUNNEL FLOOR DRAIN	ZURN	Z415	FUNNEL TOP FLOOR DRAIN; CAST IRON BODY	USE WHERE INDIRECT CONDENSATION DRAINAGE CONNECTS TO SANITARY
FD	FLOOR DRAIN	ZURN	Z1726-KC-VP	STAINLESS STEEL TOP; ADJUSTABLE ROUND/SQUARE TOP; SEDIMENT BUCKET; STAINLESS STEEL BODY	SET DRAIN SO TOP IS FLUSH WITH TILE FINISH. PROVIDE DEEP SEAL TRAP AND TRAP GAURD. FLOOR DRAIN SHALL ALLOW 1" MINIMUM RECESS FOR TILE FINISH.
FS-GW	FLOOR SINK GREASE WASTE	ZURN	Z1830-12B	12"Ø X 8" DEEP BODY; STAINLESS STEEL; DOME STRAINER; 1/2" GRATE	USE WHERE MULTIPLE INDIRECT WASTES CONNECT TO GREASE WASTE
FS-SAN	FLOOR SINK SANITARY	ZURN	Z1950	12"Ø X 8" DEEP, CAST IRON BODY, ACID-RESISTANT EPOXY-COATED INTERIOR, 1/2" GRATE, DOME STRAINER	USE WHERE MULTIPLE INDIRECT WASTES CONNECT TO SANITARY

NOTES:

1. ALL FLOOR DRAINS SHALL BE RECESSED TYPE WITH NICKEL-BRONZE TILE-SET TOP RIMS COMPATIBLE WITH QUARRY TILE THICKNESS (TYPICALLY ½" TO ¾").
2. PROVIDE DEEP-SEAL P-TRAPS WITH TRAP GUARDS.
3. COORDINATE STRAINER DIAMETER AND RIM ELEVATION WITH FINAL TILE THICKNESS AND MORTAR BED.
4. SLOPE FLOOR ¼" PER FOOT TO DRAINS; ENSURE PROPER WATERPROOFING MEMBRANE COMPATIBILITY WITH TILE SETTING BED.
5. MANUFACTURER ALTERNATES: ZURN, JOSAM, WADE, WATTS, OR SIOUX CHIEF WITH EQUAL FEATURES.

PLUMBING SPECIALTIES CONNECTION AND SPECIFICATION SCHEDULE

SPECIALTIES IDENTIFICATION	DESCRIPTION	TYPE	UTILITY SIZE	DESCRIPTION / BASIS OF DESIGN
FCO	FLOOR CLEANOUT	CAST IRON BODY WITH ADJUSTABLE NICKEL-BRONZE TILE-SET TOP FOR QUARRY TILE FLOOR FINISH	MATCH PIPE	ZURN Z1400-BZ1-NH-ZN OR APPROVED EQUAL. DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, WATER-TIGHT THREADED ABS PLUG AND TOP ASSEMBLY.

NOTES:

1. PROVIDE FIRE-RATED ENCLOSURE FOR RECESSED BOXES WHERE REQUIRED BY ARCHITECTURAL OR BUILDING CODE.
2. SET TOP OF CLEANOUT FLUSH WITH QUARRY TILE FLOOR FINISH.
3. PROVIDE NICKEL-BRONZE TOP ASSEMBLY IN FOOD PREPARATION AND PUBLIC AREAS.
4. PROVIDE STAINLESS-STEEL CLEANOUT PLUG FOR HIGH-MOISTURE OR WASHDOWN ZONES.
5. COORDINATE LOCATIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.

PIPE INSULATION SCHEDULE

SYSTEM OR SERVICE	INSULATION TYPE	JACKET TYPE	VAPOR BARRIER REQUIRED	MINIMUM INSULATION THICKNESS - INCHES				
				NOMINAL PIPE SIZES - INCHES				
				3/4" AND SMALLER	1" TO 1-1/4"	1-1/2" TO 3"	4" TO 6"	8" AND LARGER
DOMESTIC COLD WATER	A	1	YES	1"	1"	1"	1"	1-1/2"
DOMESTIC HOT WATER, HOT WATER RETURN	A	1	NO	1"	1"	1-1/2"	1-1/2"	1-1/2"
GREASE WASTE (WITH HEAT TRACE)	B	3	NO	N/A	N/A	1"	1-1/2"	1-1/2"
FLOOR DRAIN PIPING (WITH HEAT TRACE)	B	1	YES	N/A	N/A	1"	1"	1-1/2"

INSULATION TYPES:

A. ASTM C547 MINERAL FIBER (FIBERGLASS OR MINERAL WOOL). INSULATION SHALL BE JACKETED WITH WHITE REINFORCED ALL-SERVICE VAPOR RETARDER JACKETING AS INDICATED.

B. CLOSED-CELL FOAM INSULATION (ARMAFLEX OR EQUAL). FLEXIBLE INSULATION SUITABLE FOR BURIED OR MOISTURE-EXPOSED CONDITIONS

JACKET TYPES:

1. ASJ – FACTORY-APPLIED ALL-SERVICE JACKET FOR INDOOR USE.
2. PVC – PROTECTIVE JACKET FOR EXPOSED, WASHDOWN, OR MECHANICAL AREAS.
3. ALUMINUM – EXTERIOR OR HIGH-MOISTURE AREAS (OPTIONAL).

NOTES:

1. REFER TO SPECIFICATION PLUMBING INSULATION FOR ADDITIONAL REQUIREMENTS.
2. WHERE PIPING IS TO BE HEAT TRACED, PROVIDE INSULATION THICKNESS INDICATED AND COORDINATE WITH THE HEAT-TRACE SYSTEM MANUFACTURER TO ENSURE FULL COVERAGE AND CONTINUITY.
3. INSTALL INSULATION NEATLY, ACCURATELY, AND WITHOUT GAPS, IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND NAIMA NATIONAL COMMERCIAL & INDUSTRIAL INSULATION STANDARDS.
4. INSULATION MATERIALS, ADHESIVES, AND JACKETS SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 25 AND SMOKE DEVELOPMENT OF 50 PER ASTM E84.
5. STORM AND CONDENSATE DRAIN PIPING SHALL BE INSULATED FROM THE DRAIN BOWL TO WHERE THE PIPE TRANSITIONS FROM HORIZONTAL TO VERTICAL.
6. SET ALL INSULATION FLUSH WITH QUARRY TILE FLOOR PENETRATIONS; MAINTAIN WATERTIGHT SEALANT WHERE PIPING PENETRATES THE SLAB.

THERMOSTATIC MIXING VALVE SCHEDULE

VALVE IDENTIFICATION	DESCRIPTION	ALLOWABLE PRESSURE DROP	CAPACITY	CW INLET TEMPERATURE	HW INLET TEMPERATURE	MIXED OUTLET TEMPERATURE	MANUFACTURER AND MODEL (BASIS OF DESIGN)
TMV-1	HAND SINK TMV	5 TO 10 PSI	0.25 - 2.0 GPM	60°F	140°F	110°F	POWERS #LFLM49S OR APPROVED EQUAL

NOTES:

1. RECIRCULATION NOT REQUIRED. MAINTAIN TOTAL HOT WATER LINE VOLUME UNDER 0.5 GALLONS. PROVIDE INSULATION ON ALL HOT WATER LINES.
2. MAINTAIN HOT WATER STORAGE TEMPERATURE AT 140°F. DISTRIBUTE TEMPERED WATER AT 110°F FOR LEGIONELLA CONTROL.
3. PROVIDE ASSE 1070 VALVES AT ALL HAND SINKS SET TO 105°F.
4. COORDINATE FINAL TEMPERATURE SETTINGS AND INSTALLATION REQUIREMENTS WITH FOOD SERVICE EQUIPMENT AND LOCAL CODE OFFICIAL.

GREASE INTERCEPTOR CALCULATIONS

(PDI-G101 APPENDIX A1.7 ALTERNATE SIZING METHOD)

FIXTURE	QTY	DRAIN SIZE	DFU	FACTOR	GPM	TOTAL DFU	TOTAL GPM
FLOOR SINK	3	3"	5	7.5	37.5	15	113
FLOOR DRAIN	2	3"	5	7.5	37.5	10	75
MOP SINK	1	2"	3	7.5	22	3	22
						28	210

	DFU	GPM
NEW GREASE LOAD - CORNER CAFE:	28	210
EXISTING GREASE LOAD - MCDONALDS:		232.5
EXISTING GREASE INTERCEPTOR: 1500 GALLON		442.5

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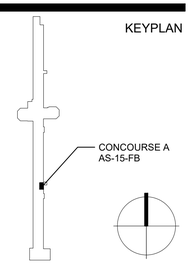

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CORNER CAFE

PLUMBING SCHEDULES

SHEET NUMBER

P0.2

PROJECT NUMBER 1808

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PLUMBING SPECIFICATIONS

SECTION 22 05 00 – GENERAL PLUMBING REQUIREMENTS

1. ALL WORK SHALL COMPLY WITH THE CURRENT IPC, GEORGIA AMENDMENTS, AND ATL AIRPORT TENANT DESIGN GUIDELINES.
2. ONLY PIPING SYSTEMS AND FIXTURES SHOWN ON THE PLUMBING PLANS AND RISER DIAGRAMS ARE INCLUDED IN THIS CONTRACT.
3. PROVIDE ALL NECESSARY FITTINGS, VALVES, SUPPORTS, AND SPECIALTIES FOR A COMPLETE OPERATING SYSTEM.
4. COORDINATE FINAL CONNECTIONS WITH FOOD SERVICE EQUIPMENT AND ARCHITECTURAL DRAWINGS.
5. PROVIDE AIR GAPS FOR ALL INDIRECT WASTE CONNECTIONS (MINIMUM 1").
6. PROVIDE TRAP GUARDS WHERE SHOWN OR REQUIRED.
7. INSTALL PIPING TO MAINTAIN REQUIRED CLEARANCES FROM ELECTRICAL AND MECHANICAL EQUIPMENT.
8. ALL MATERIALS SHALL BE NEW AND OF APPROVED TYPE.

SECTION 22 05 29 – HANGERS AND SUPPORTS

1. SUPPORT PIPING IN ACCORDANCE WITH IPC TABLE 308.5 UNLESS NOTED OTHERWISE.
2. USE CLEVIS HANGERS FOR SUSPENDED PIPING; RISER CLAMPS FOR VERTICAL PIPING.
3. PROVIDE INSULATION SHIELDS WHERE PIPING IS INSULATED.
4. DO NOT SUPPORT PLUMBING ON DUCTWORK, CONDUIT, OR OTHER TRADES' EQUIPMENT.
5. PROVIDE ADDITIONAL SUPPORTS AT VALVES, CLEANOUTS, AND EQUIPMENT CONNECTIONS.

SECTION 22 05 53 – IDENTIFICATION OF PIPING AND EQUIPMENT

1. IDENTIFY WATER, SANITARY, AND GREASE WASTE PIPING PER AIRPORT COLOR-CODING GUIDELINES.
2. LABEL ALL VALVES WITH PERMANENT VALVE TAGS AND IDENTIFICATION NUMBERS.
3. PROVIDE EQUIPMENT NAMEPLATES FOR WATER HEATER(S), MIXING VALVES, AND SPECIALTIES.
4. HEAT TRACING IS REQUIRED ON ABOVE GROUND GREASE WASTE SYSTEM; COORDINATE LABELING AND INSULATION THICKNESS WITH THE HEAT-TRACE MANUFACTURER.
5. LABEL ALL EXPOSED PIPING IN MECHANICAL SPACES, BACK-OF-HOUSE AREAS, AND ABOVE ACCESSIBLE CEILINGS.

SECTION 22 07 00 – PLUMBING INSULATION

1. INSULATE DOMESTIC COLD WATER, DOMESTIC HOT WATER, AND GREASE WASTE WHERE INDICATED.
2. FOLLOW THE PIPE INSULATION SCHEDULE FOR INSULATION TYPE, JACKET TYPE, VAPOR BARRIER, AND THICKNESS.
3. INSULATE ALL HEAT-TRACED PIPING PER MANUFACTURER'S REQUIREMENTS.
4. DO NOT COMPRESS INSULATION; MAINTAIN CONTINUITY AND VAPOR TIGHT SEALS.
5. SEAL INSULATION AT FLOOR, WALL, AND CEILING PENETRATIONS TO MAINTAIN MEMBRANE INTEGRITY.

SECTION 22 10 05 – PLUMBING PIPING SYSTEMS

1. DOMESTIC COLD WATER (CW)
   a. PIPE: TYPE L COPPER TUBING (ASTM B88).
   b. FITTINGS: WROUGHT COPPER SOLDER-JOINT.
   c. JOINTS: LEAD-FREE SOLDER (ASTM B32).
   d. PROVIDE ISOLATION VALVES AND BACKFLOW DEVICES WHERE SHOWN.
2. DOMESTIC HOT WATER (HW)
   a. PIPE: TYPE L COPPER TUBING.
   b. FITTINGS: WROUGHT COPPER SOLDER-JOINT.
   c. JOINTS: LEAD-FREE SOLDER (ASTM B32).
   d. PROVIDE ISOLATION VALVES AND BACKFLOW DEVICES WHERE SHOWN.
   e. WATER HEATER STORAGE TEMPERATURE: 140°F UNLESS OTHERWISE NOTED.
   f. TEMPERED WATER (110–120°F) PROVIDED THROUGH THERMOSTATIC MIXING VALVES.
3. NO HOT WATER RETURN (HWR) IS REQUIRED FOR THIS PROJECT.
4. GREASE WASTE (GW)
   a. PIPE: STAINLESS STEEL
   b. FITTINGS: 316 STAINLESS STEEL PUSH-ON FITTINGS WITH NEOPRENE GASKETS.
   c. SLOPE PIPING MINIMUM 1/4" PER FOOT.
   d. ROUTE ALL FOOD-SERVICE-RELATED INDIRECT WASTE TO GREASE WASTE FLOOR SINKS.
   e. GREASE WASTE SHALL ROUTE TO THE EXTERIOR GREASE INTERCEPTOR OR EXISTING AIRPORT SYSTEM AS SHOWN.
   f. GREASE WASTE VENT PIPING IS NOT REQUIRED TO BE STAINLESS STEEL. PROVIDE VENT PIPING TO MATCH SANITARY VENT MATERIAL (CAST IRON NO-HUB, UNLESS OTHERWISE NOTED).
5. SANITARY WASTE (S)
   a. PIPE: CAST IRON NO-HUB.
   b. PROVIDE CLEANOUTS PER CODE.
   c. ONLY FIXTURES OR EQUIPMENT SHOWN ON THE PLANS SHALL RECEIVE SANITARY CONNECTIONS.

A. SECTION 22 10 06 – PLUMBING PIPING INSTALLATION

1. INSTALL ALL PLUMBING PIPING SYSTEMS AS SHOWN ON DRAWINGS AND IN ACCORDANCE WITH IPC AND ATL AIRPORT TENANT GUIDELINES.
2. ONLY SYSTEMS SHOWN ON PLANS AND RISER DIAGRAMS APPLY TO THIS PROJECT.
3. PROVIDE ALL FITTINGS, VALVES, SUPPORTS, AND SPECIALTIES FOR COMPLETE INSTALLATION.
4. COORDINATE WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND FOOD SERVICE DRAWINGS.

B. PIPING MATERIALS (COORDINATE WITH P0.2)

1. DOMESTIC WATER: TYPE L COPPER TUBING, WROUGHT COPPER FITTINGS, LEAD-FREE SOLDER.
2. GREASE WASTE: STAINLESS-STEEL PIPING WITH PUSH-ON FITTINGS.
3. SANITARY WASTE: CAST IRON NO-HUB PIPING AND FITTINGS.
4. INDIRECT WASTE: HUBLESS CAST IRON TO FLOOR SINKS.
5. NO PVC PIPING OR PVC COMPONENTS PERMITTED.

C. SPECIALTIES

1. WATER HAMMER ARRESTORS: PISTON TYPE, SIZED PER PDI-WH 201.
2. CLEANOUTS: CAST IRON BODY, NICKEL-BRONZE TOP, BRASS PLUG.
3. FLOOR SINKS/DRAINS: CAST IRON BODY WITH NICKEL-BRONZE OR STAINLESS STEEL TOP PER DRAIN SCHEDULE.
4. AIR CHAMBERS ARE NOT PERMITTED AT THE AIRPORT.

D. INSTALLATION

1. INSTALL PIPING STRAIGHT, LEVEL, AND NEATLY ALIGNED.
2. MAINTAIN REQUIRED CLEARANCES FROM DUCTWORK, ELECTRICAL, AND STRUCTURE.
3. SLOPE 4" GREASE WASTE AND SANITARY PIPING AT 1/8" PER FOOT. ALL OTHER SIZES SLOPE AT 1/4" PER FOOT UNLESS NOTED OTHERWISE.
4. PROVIDE ACCESSIBILITY FOR ALL VALVES, CLEANOUTS, AND EQUIPMENT.

E. CLEANOUTS

1. PROVIDE CLEANOUTS AT CHANGES IN DIRECTION GREATER THAN 45 DEGREES.
2. PROVIDE CLEANOUTS AT LOCATIONS SHOWN ON DRAWINGS.
3. INSTALL CLEANOUTS TO ENSURE FULL ACCESSIBILITY PER IPC.

F. WATER HAMMER PROTECTION

1. DO NOT INSTALL AIR CHAMBERS.
2. PROVIDE WATER HAMMER ARRESTORS PER PDI-WH 201.
3. INSTALL ARRESTORS AT FIXTURE GROUPS AND EQUIPMENT AS SHOWN ON DRAWINGS.

G. INDIRECT WASTE

1. PROVIDE APPROVED AIR GAP TO FLOOR SINK FOR ALL INDIRECT WASTE CONNECTIONS.
2. DISHWASHER DISCHARGE ROUTES TO GREASE WASTE FLOOR SINK.
3. INSTALL INDIRECT PIPING PER MANUFACTURER AND IPC REQUIREMENTS.

H. VALVES

1. PROVIDE FULL-PORT BALL VALVES AT BRANCHES, FIXTURES, AND EQUIPMENT CONNECTIONS.
2. ENSURE ACCESS TO ALL VALVES IN CEILINGS, SOFFITS, OR CASEWORK.

SECTION 22 11 16 – DOMESTIC WATER SPECIALTIES

1. PROVIDE FULL-PORT BALL VALVES AT FIXTURE GROUPS, BRANCHES, AND EQUIPMENT.
2. PROVIDE WATER HAMMER ARRESTORS SIZED PER PDI AND LOCATED PER SCHEDULE.
3. PROVIDE BACKFLOW PREVENTERS WHERE INDICATED OR REQUIRED BY EQUIPMENT.
4. PROVIDE THERMOSTATIC MIXING VALVES.
   A. ASSE 1070 FOR HAND SINKS (110°F MAX)
5. PROVIDE DRAIN VALVES AT LOW POINTS AND WHERE REQUIRED FOR MAINTENANCE.

SECTION 22 13 16 – SANITARY, GREASE WASTE & INDIRECT DRAINAGE

1. ALL FOOD-SERVICE EQUIPMENT SHALL DISCHARGE INDIRECTLY INTO A FLOOR SINK.
2. DISHWASHER DRAINS TO FLOOR SINK ROUTED TO GREASE WASTE.
3. PROVIDE SEDIMENT BUCKETS WHERE REQUIRED.
4. NO PVC PIPING OR PVC COMPONENTS PERMITTED ANYWHERE IN THE TENANT SPACE.

SECTION 22 40 00 – PLUMBING FIXTURES

THIS SECTION INCLUDES PLUMBING FIXTURES AND RELATED COMPONENTS FOR THE FOOD-SERVICE TENANT SPACE.

FIXTURES IN THIS PROJECT INCLUDE:
A. HAND SINKS (HS)
B. THREE-COMPARTMENT SINKS (SK)
C. MOP/SERVICE SINKS (MS)
D. DISHWASHERS (DW)
E. FLOOR SINKS (FS) AND FLOOR DRAINS (FD)

NO PUBLIC LAVATORIES ARE INCLUDED IN THIS PROJECT.
NO UNDER-LAVATORY PIPE COVERS ARE REQUIRED.
PROVIDE ALL WATER, WASTE, VENT, AND INDIRECT WASTE CONNECTIONS AS SHOWN ON DRAWINGS.
COORDINATE FINAL UTILITY CONNECTION REQUIREMENTS WITH FOOD SERVICE EQUIPMENT CUT SHEETS.

A. HAND SINKS (HS)
1. STAINLESS STEEL HAND SINK WITH FAUCET, TAILPIECE, TRAP, AND ASSE 1070 MIXING VALVE.
2. HOT WATER SUPPLY LIMITED TO 110°F.

B. THREE-COMPARTMENT SINKS (SK)
1. NSF STAINLESS STEEL SINK WITH DRAINBOARDS (WHERE SHOWN).
2. PROVIDE 140°F HOT WATER AND COLD WATER SUPPLY.

INDIRECT WASTE TO FLOOR SINK CONNECTED TO GREASE WASTE.

C. DISHWASHER (DW)
1. PROVIDE 140°F HOT WATER SUPPLY.
2. INDIRECT WASTE WITH AIR GAP TO GREASE WASTE FLOOR SINK.
3. COORDINATE FINAL CONNECTIONS WITH FOOD SERVICE EQUIPMENT.

D. FLOOR DRAINS / FLOOR SINKS
1. ALL FLOOR SINKS AND DRAINS SHALL BE CAST IRON WITH NICKEL-BRONZE TOPS.
2. INSTALL FLUSH WITH FINISHED FLOOR PER ARCHITECTURAL DETAILS.

F. INSTALLATION REQUIREMENTS
1. INSTALL FIXTURES LEVEL, RIGID, AND PER MANUFACTURER'S INSTRUCTIONS.
2. PROVIDE SHUTOFF VALVES AT FIXTURE WATER CONNECTIONS.
3. PROVIDE AIR GAPS FOR ALL INDIRECT WASTE CONNECTIONS.
4. COORDINATE FINAL FIXTURE LOCATIONS WITH ARCHITECTURAL AND FOOD-SERVICE DRAWINGS.
5. ENSURE ACCESS TO VALVES, TRAPS, AND MECHANICAL COMPONENTS.

SECTION 22 47 00 – WATER HEATING EQUIPMENT

1. WATER HEATER SHALL BE INSTALLED ON PLATFORM AS SHOWN.
2. STORAGE TEMPERATURE: 140°F.
3. PROVIDE ASSE 1070 MIXING VALVE FOR TEMPERED WATER AT HANDWASHING SINKS (110°F).
4. PROVIDE DRAIN PAN.
5. NO WATER HEATER RECIRCULATION LOOP IS REQUIRED DUE TO SHORT PIPING DISTANCES.

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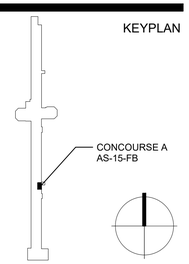

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PLUMBING SPECIFICATIONS

SHEET NUMBER

P0.3

PROJECT NUMBER	1808

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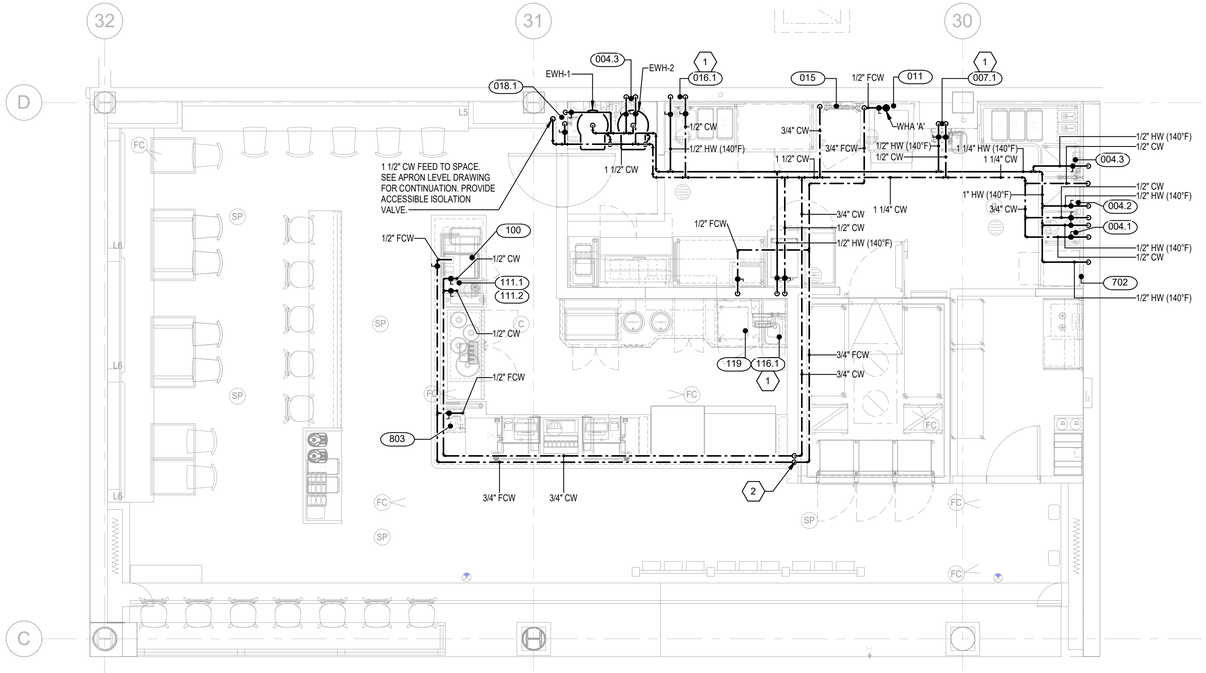
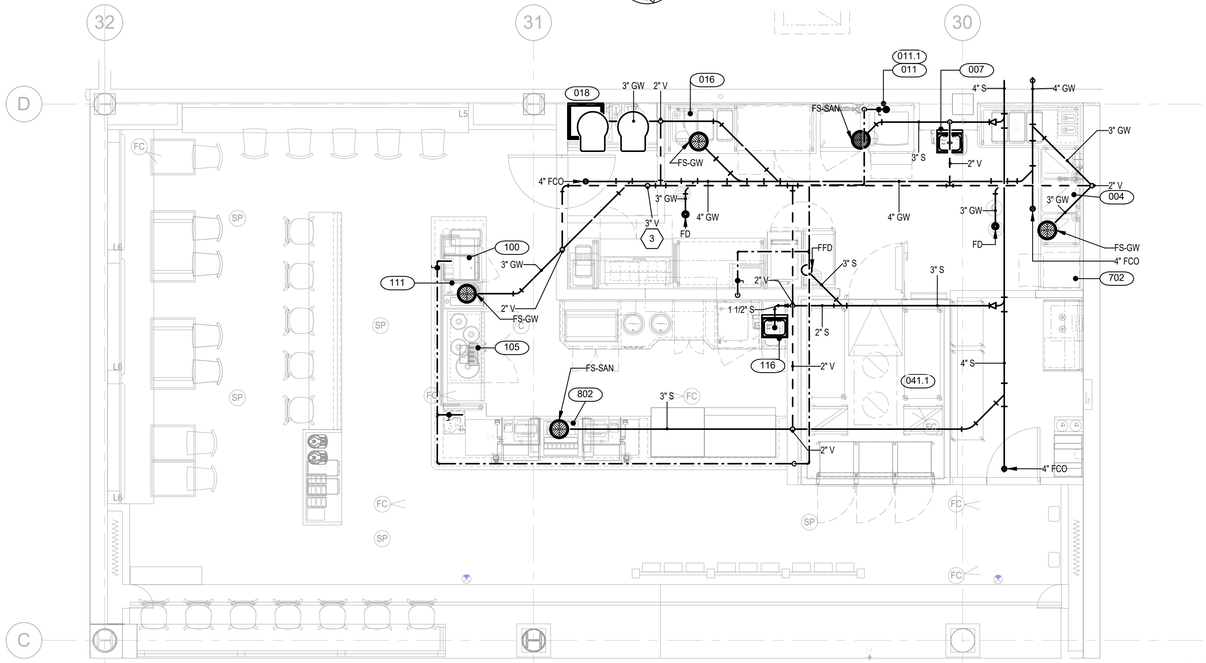


2 PLUMBING DOMESTIC - LEVEL 1

SCALE: 1/4" = 1'-0"

1/4" = 1'-0" SCALE 2 0 2 4 8 FEET



1 PLUMBING DRAINAGE - LEVEL 1

SCALE: 1/4" = 1'-0"

1/4" = 1'-0" SCALE 2 0 2 4 8 FEET

KEY NOTES:

1. PROVIDE FAUCET CONNECTIONS WITH TMV-1.
2. FCW & CW TO DROP DOWN WALL TO UNDERCOUNTER.
3. VENT THRU ROOF

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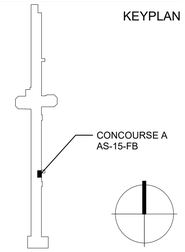

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PLUMBING PLAN - LEVEL 1

SHEET NUMBER

P1.1

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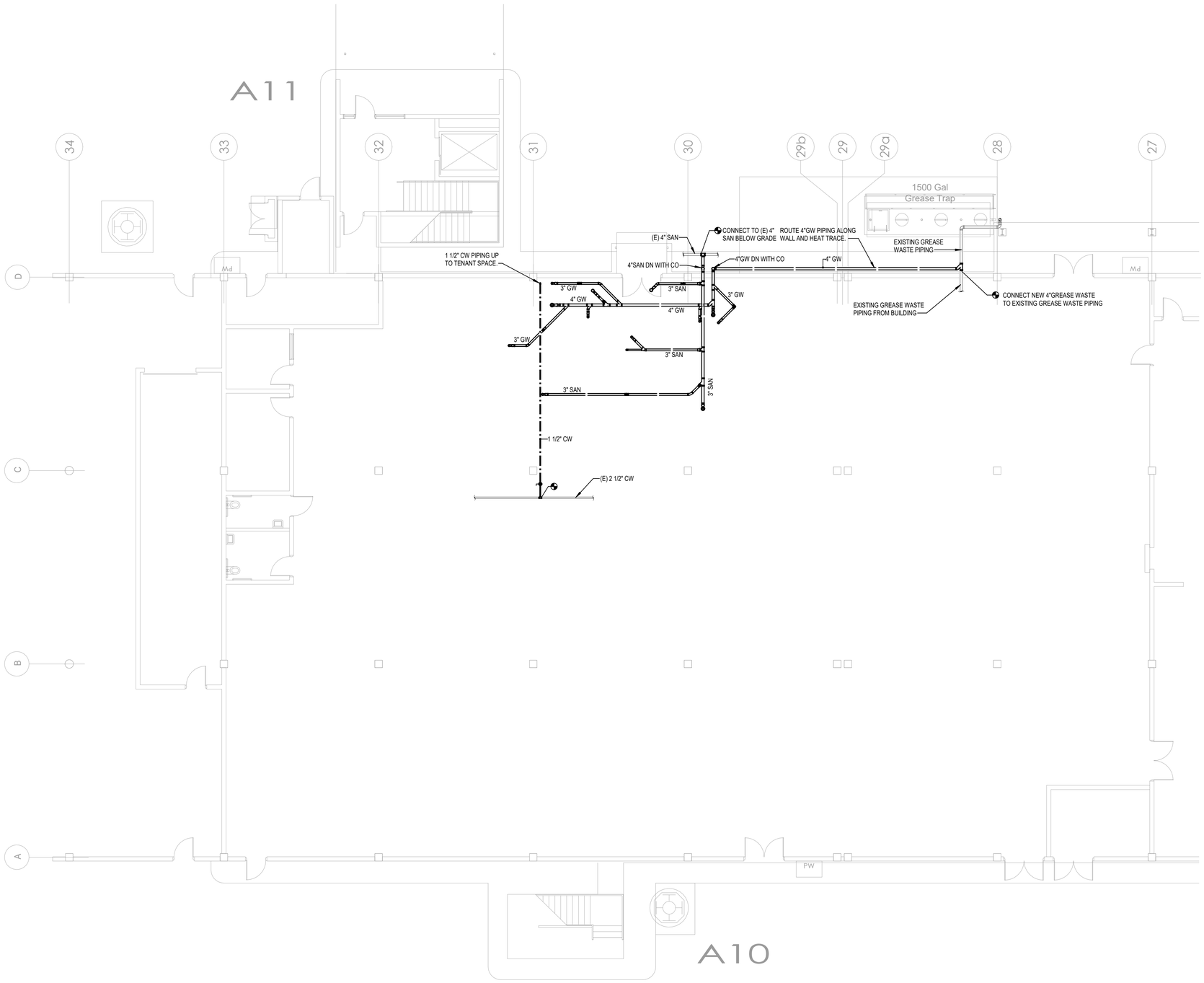

1 PLUMBING DRAINAGE - APRON LEVEL

SCALE: 1/8" = 1'-0"

1/8" = 1'-0" 4 0 4 8 16 SCALE FEET

N

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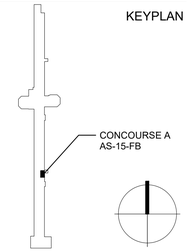

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PLUMBING PLAN - APRON LEVEL

SHEET NUMBER

P1.2

PROJECT NUMBER	1808

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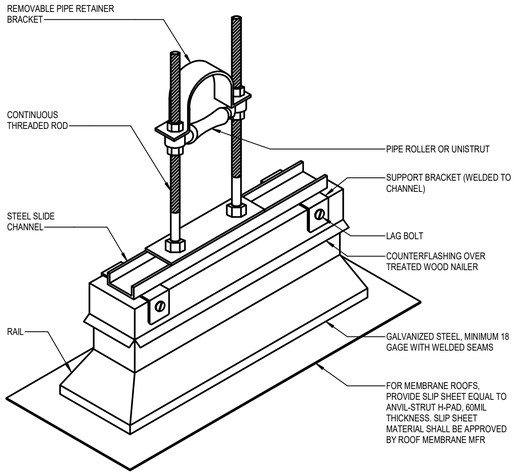
ROOF PLAN - NATURAL GAS NOTES

1. NG ROUTED FROM CONCOURSE NG MAIN TO TENANT SPACE.
2. PROVIDE FULL-PORT SHUTOFF VALVE, UNION, REGULATOR, AND DRIP LEG OUTSIDE MAU HOUSING.
3. SUPPORT ALL PIPING ON ROOFTOP-RATED PIPE STANDS—NO DIRECT FASTENING TO MEMBRANE.
4. LABEL EXPOSED PIPING “NATURAL GAS” EVERY 10 FT AND AT DIRECTION CHANGES.
5. PRESSURE-TEST ENTIRE SYSTEM PRIOR TO CONNECTION.

GAS PIPING SPECIFICATION (PERFORMANCE BASED)

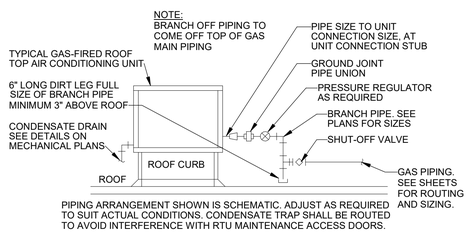
1. PROVIDE A COMPLETE NATURAL GAS PIPING SYSTEM SIZED FOR 100 MBH LOAD OPERATING AT 5 PSI WITH A MAXIMUM PRESSURE DROP OF 3.5 PSI.
2. GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL WITH THREADED FITTINGS. PROVIDE MANUAL SHUTOFF VALVES, FULL-PORT UNIONS, REGULATORS, AND DRIP LEGS AT ALL APPLIANCES.
3. PIPING INSTALLATION, TESTING, LABELING, VENTING, ROOF PENETRATIONS, AND COORDINATION SHALL COMPLY WITH THE 2018 FGC, ATL AIRPORT UTILITY REQUIREMENTS, AND ALL APPLICABLE MANUFACTURER INSTALLATION INSTRUCTIONS. ENTIRE SYSTEM MUST PASS IFGC PRESSURE TESTING PRIOR TO ACCEPTANCE.
4. ALL EXPOSED NG PIPING TO BE PAINTED SAFETY YELLOW PER ASME A13.1 FOR GAS SERVICE IDENTIFICATION.



NOTE:

PRE-MANUFACTURED ROOF PIPE SUPPORTS SHALL BE EQUAL TO DURA-BLOK DBE SERIES

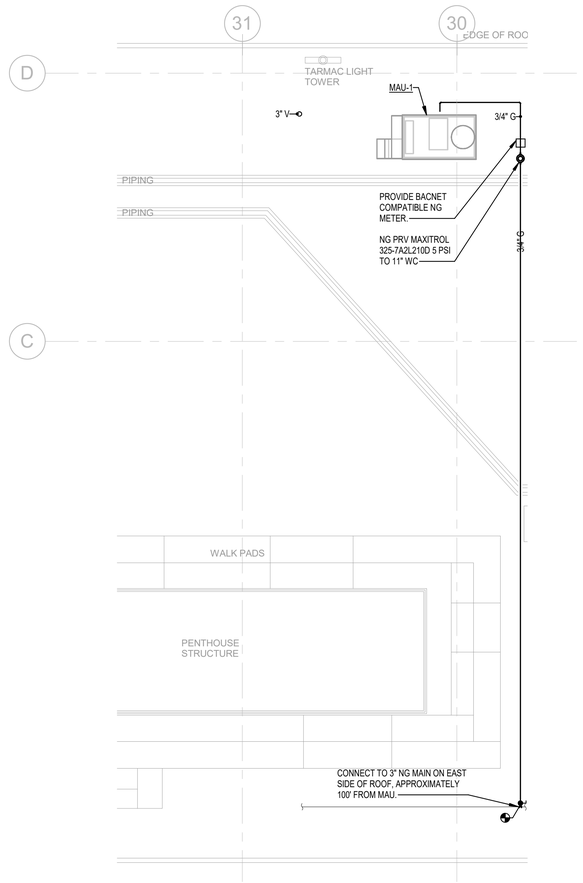
3 STAND PIPE DETAIL
SCALE: NO SCALE



PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED TO SUIT ACTUAL CONDITIONS. CONDENSATE TRAP SHALL BE ROUTED TO AVOID INTERFERENCE WITH RTU MAINTENANCE ACCESS DOORS.

2 GAS CONNECTION TO ROOFTOP UNIT
SCALE: NO SCALE

GAS LOAD CALCULATION		
USING 2018 IFGC (FUEL GAS)		
TABLE 402.4 (5) SCHEDULE 40 METALLIC		
GAS EQUIPMENT	PRESSURE	MBH
MAU	7-11" WC	100
GAS (TYPE)	= NATURAL GAS	
FROM MAIN TO PRV:		
INLET PRESSURE	= 5.0 PSI	
PRESSURE DROP	= 3.5 PSI	
SPECIFIC GRAVITY	= 0.60	
LONGEST RUN OF PIPE	= 100 FT	
FROM PRV TO EQUIPMENT:		
INLET PRESSURE	= < 2.0 PSI	
PRESSURE DROP	= 3" WC	
SPECIFIC GRAVITY	= 0.60	
LONGEST RUN OF PIPE	= 10 FT	
TOTAL GAS DEMAND	= 100 MBH OR 97 CFH	



1 PLUMBING DOMESTIC - ROOF
SCALE: 1/8" = 1'-0"

1/8" = 1'-0" SCALE: 4 0 4 8 16 FEET

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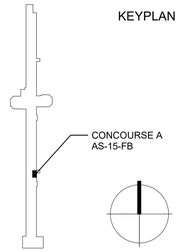
KEYPLAN



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PLUMBING PLAN - ROOF

SHEET NUMBER

P1.3

PROJECT NUMBER	1808

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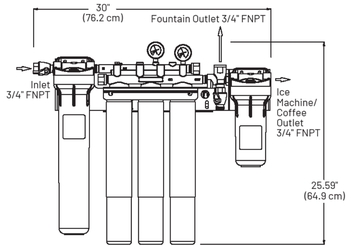
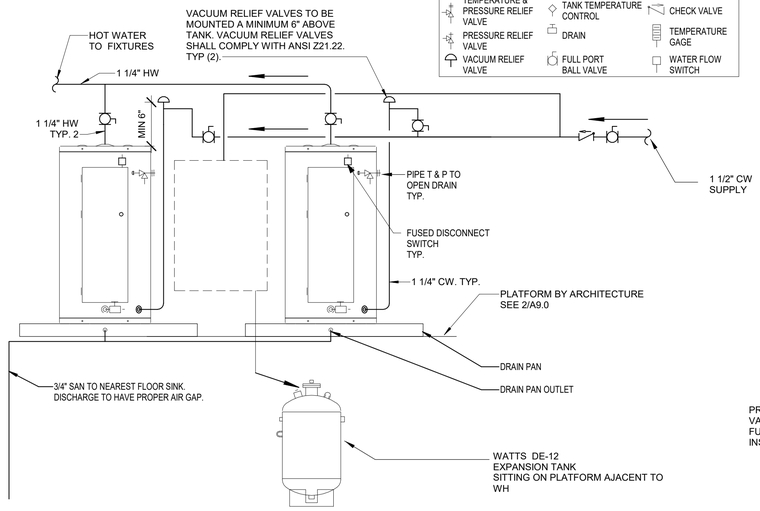
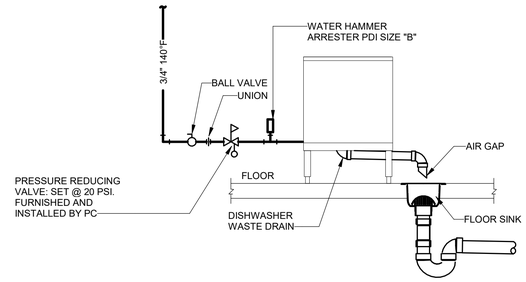


10 WATER FILTRATION DETAIL
SCALE: NO SCALE



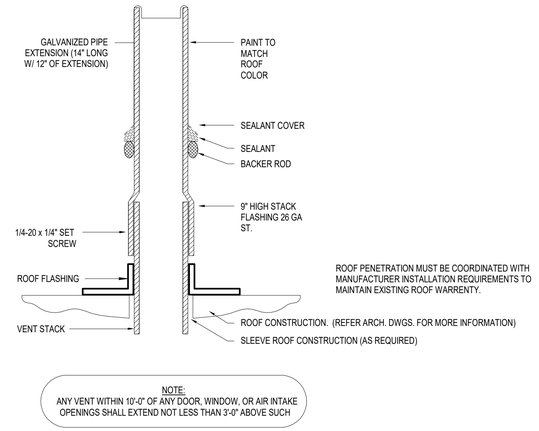
9 DUAL ELECTRIC WATER HEATER DETAIL
SCALE: NO SCALE



8 DISHWASHER CONNECTION - DETAIL
SCALE: NO SCALE

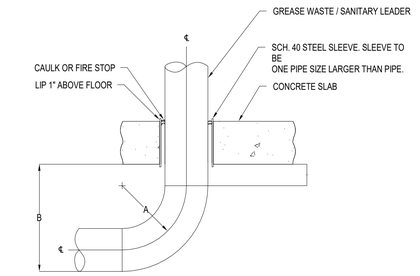
7 LOCAL MIXING VALVE DETAIL
SCALE: NO SCALE

6 FLOOR SINK DETAIL
SCALE: NO SCALE



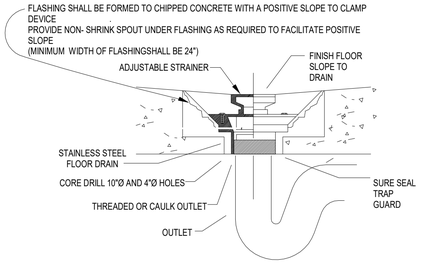
NOTE:
ANY VENT WITHIN 10'-0" OF ANY DOOR, WINDOW, OR AIR INTAKE OPENINGS SHALL EXTEND NOT LESS THAN 3'-0" ABOVE SUCH

5 VENT THRU ROOF DETAIL
SCALE: NO SCALE



PIPE SIZE (Ø)	A	B MINIMUM DEPTH
3"	4-1/2"	10"
4"	6"	12"
5"	7-1/2"	14"
6"	9"	16"
8"	12"	20"

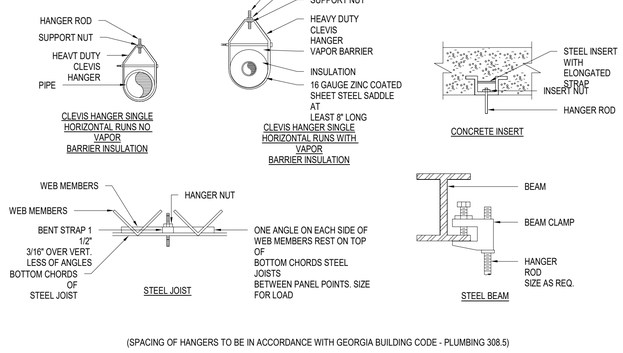
4 FLOOR PENETRATION DETAIL
SCALE: NO SCALE



NOTE:
VERIFY WHICH TRAP PROTECTION DEVICE IS ALLOWED BY LOCAL CODES, PREFER TRAP GUARD.

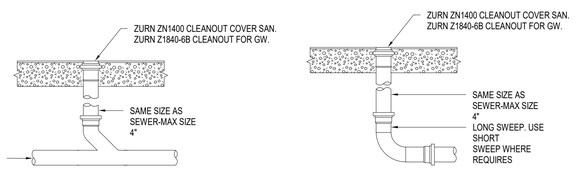
CONTRACTOR SHALL X-RAY SLAB PRIOR TO CORE DRILLING FOR UNSEEN, STEEL, CABLES, PIPES, AND CONDUIT IN OR BELOW THE FLOOR SLAB.

3 FLOOR DRAIN DETAIL
SCALE: NO SCALE



(SPACING OF HANGERS TO BE IN ACCORDANCE WITH GEORGIA BUILDING CODE - PLUMBING 308.5)

2 PIPE SUPPORT DETAILS
SCALE: NO SCALE



1 TYPICAL CLEANOUT DETAILS
SCALE: NO SCALE

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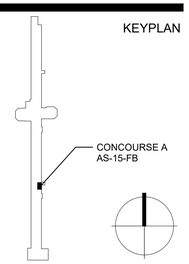

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PLUMBING DETAILS

SHEET NUMBER

P5.1

PROJECT NUMBER	1808

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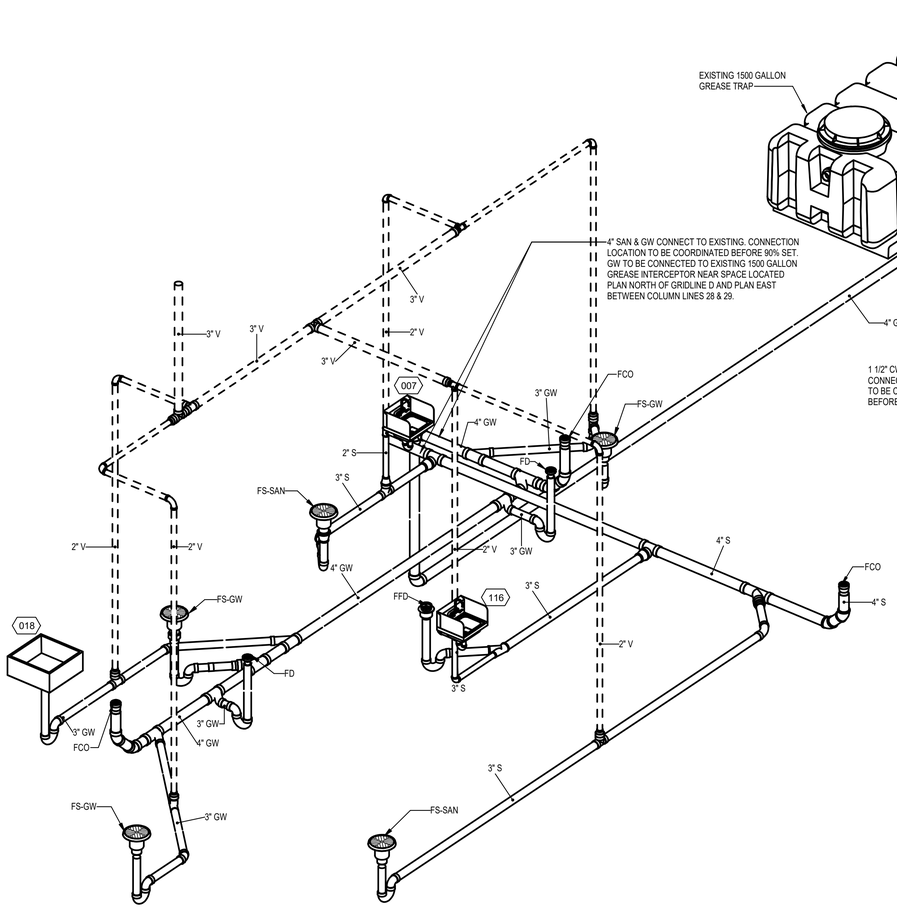
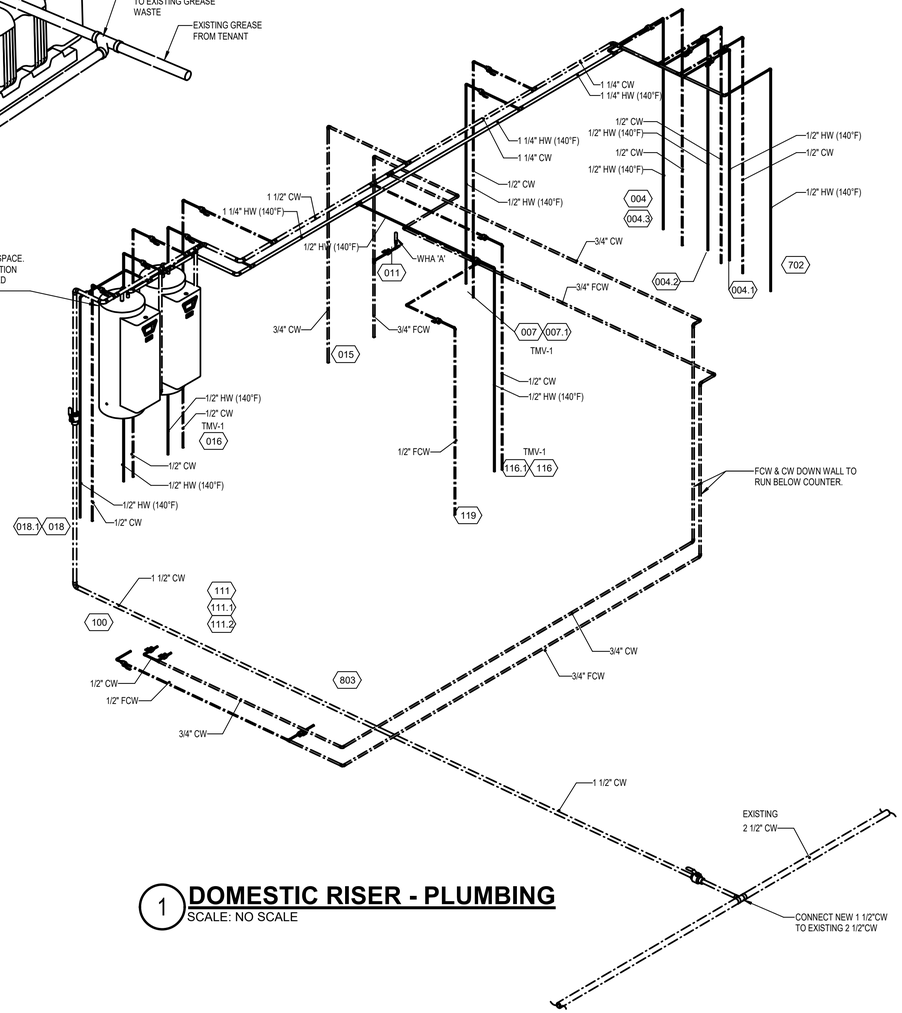


2 DRAINAGE RISER - PLUMBING

SCALE: NO SCALE



1 DOMESTIC RISER - PLUMBING

SCALE: NO SCALE

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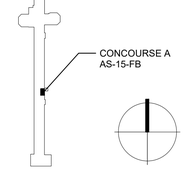

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PLUMBING ISOMETRICS

SHEET NUMBER

P9.1

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FIRE PROTECTION SHOP DRAWING NOTE

1. IN ACCORDANCE WITH GA R&R 120-3-3, FIRE SPRINKLER WORKING DRAWINGS ARE TO BE PROVIDED AS SEALED NFPA 13 DOCUMENTS PREPARED BY A GEORGIA-LICENSED FIRE PROTECTION ENGINEER.
2. SHOP DRAWINGS, HYDRAULIC CALCULATIONS, AND PRODUCT DATA ARE SUBMITTED TO THE CITY OF ATLANTA FIRE MARSHAL, DOA, AND THE ENGINEER OF RECORD FOR REVIEW.
3. INSTALLATION IS INTENDED TO OCCUR FOLLOWING RECEIPT OF WRITTEN APPROVAL FROM ALL REVIEWING AGENCIES.

FIRE WATCH NOTE

WHENEVER ANY FIRE PROTECTION SYSTEM IS IMPAIRED FOR MORE THAN FOUR (4) HOURS IN A 24-HOUR PERIOD, THE CONTRACTOR SHALL COORDINATE WITH THE DOA FIRE SAFETY DIVISION AND AIRPORT OPERATIONS CENTER (AOC) FOR FIRE WATCH REQUIREMENTS PRIOR TO SYSTEM SHUTDOWN.

CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED, INSTALLED, AND TESTED IN COMPLIANCE WITH THE CODES AND AMENDMENTS ADOPTED BY THE INSPECTION AUTHORITY. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHER APPLICABLE TO THIS PROJECT.

A. STATE BUILDING CODES INCLUDING THE LATEST STATE ADOPTED CODE AMENDMENTS AND REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION (AHJ):
   1. 2024 INTERNATIONAL BUILDING CODE (GEORGIA AMENDMENTS)
   2. 2015 INTERNATIONAL ENERGY CONSERVATION CODE (GEORGIA AMENDMENTS)
   3. 2024 INTERNATIONAL PLUMBING CODE (GEORGIA AMENDMENTS)
   4. 2024 INTERNATIONAL FIRE CODE (WITH 2024 AMENDMENTS)
   5. 2024 MECHANICAL CODE (GEORGIA AMENDMENTS)
   6. 2020 NATIONAL ELECTRICAL CODE

B. THE LATEST EDITIONS OF THE STATE ADOPTED NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) REFERENCE STANDARDS INCLUDING ANY AMENDMENTS OF THE AUTHORITY HAVING JURISDICTION (AHJ):
   a. NFPA 101 - LIFE SAFETY CODE, 2024 EDITION
   b. NFPA 13 2022 WITH GA AMENDMENTS
   c. NFPA 14 2024 WITH GA AMENDMENTS
   d. NFPA 20 2022 WITH GA AMENDMENTS
   e. NFPA 24 2025 WITH GA AMENDMENTS
   f. NFPA 25 2025 WITH GA AMENDMENTS

FIRE PROTECTION SPECIFICATIONS

SECTION 21 13 13 -WET-PIPE SPRINKLER SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

A. MODIFY THE EXISTING WET-PIPE AUTOMATIC SPRINKLER SYSTEM AS REQUIRED TO MAINTAIN CODE-COMPLIANT COVERAGE WITHIN THE LIMITS OF RENOVATION WORK.
B. MAJOR FIRE PROTECTION INFRASTRUCTURE IS EXISTING TO REMAIN.
C. THIS PROJECT IS PERFORMANCE-BASED. SPRINKLER HEADS SHOWN ON DRAWINGS ARE SCHEMATIC ONLY.
D. FIRE SPRINKLER CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND PROVIDE FINAL NFPA 13 DESIGN, INCLUDING HEAD TYPES, TEMPERATURE RATING, FINISH, SPACING, PIPE ROUTING, HYDRAULIC CALCULATIONS, AND MATERIAL SELECTION.

1.2 QUALITY ASSURANCE

A. CODE COMPLIANCE:
SYSTEM DESIGN AND INSTALLATION SHALL CONFORM TO NFPA 13, NFPA 25, NFPA 72, THE 2024 INTERNATIONAL FIRE CODE WITH GEORGIA AMENDMENTS, AND HARTSFIELD-JACKSON DOA.

B. SHOP DRAWING PREPARATION:
1. PREPARED UNDER THE SUPERVISION OF A GEORGIA-LICENSED FIRE PROTECTION ENGINEER OR NICET LEVEL III (MINIMUM) IN WATER-BASED SYSTEM LAYOUT.

C. INSTALLER QUALIFICATIONS:
1. NICET LEVEL III (MINIMUM) IN WATER-BASED FIRE PROTECTION SYSTEMS LAYOUT.
2. INSTALLER SHALL BE ON-SITE THROUGHOUT CONSTRUCTION TO SUPERVISE INSTALLATION AND TESTING AND COORDINATE WITH DOA.

D. PERFORMANCE DESIGN REQUIREMENT:
1. FIRE SPRINKLER CONTRACTOR SHALL PROVIDE FULL NFPA 13 DESIGN, INCLUDING HYDRAULIC CALCULATIONS WHERE HEAD TYPES, SPACING, OR PIPING MODIFICATIONS AFFECT SYSTEM PERFORMANCE.

E. SCHEMATIC DRAWING CLARIFICATION:
1. SPRINKLER HEADS SHOWN ON FP DRAWINGS ARE SCHEMATIC ONLY AND DO NOT INDICATE FINAL HEAD TYPE, TEMPERATURE RATING, FINISH, K-FACTOR, OR SPACING.

1.3 SUBMITTALS

A. SHOP DRAWINGS: SUBMIT TO AOR AND EOR FOR APPROVAL PRIOR TO FABRICATION. INCLUDE:

1. RISER DIAGRAM
2. SPRINKLER MAKE/MODEL/K-FACTOR
3. EXISTING TIE-INS AND MODIFIED BRANCH LINES
4. VALVE AND DEVICE LOCATIONS
5. HYDRAULIC CALCULATIONS (IF REQUIRED DUE TO SYSTEM CHANGES)
6. PIPE SIZES AND CUT LENGTHS OR CENTER-TO-CENTER DIMENSIONS

B. FIELD TEST CERTIFICATES: NFPA 13 CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR ABOVEGROUND PIPING.

C. CLOSEOUT DOCUMENTS:
1. PROVIDE AS-BUILT DRAWINGS AND APPROVED HYDRAULIC CALCULATIONS (IF APPLICABLE) IN PDF AND AUTOCAD FORMATS.

PART 2 – PRODUCTS

2.1 PIPING MATERIALS

A. EXISTING PIPING:
CONTRACTOR SHALL VERIFY EXISTING PIPE TYPE AND CONDITION. REPLACE DAMAGED SECTIONS IN KIND.

B. NEW PIPING:
1. 2" AND SMALLER – SCHEDULE 40 BLACK STEEL (THREADED OR GROOVED)
2. 2½" AND LARGER – SCHEDULE 10 BLACK STEEL (GROOVED)
3. FITTINGS – UNCOATED DUCTILE IRON GROOVED TYPE OR MALLEABLE IRON THREADED

2.2 SPRINKLER MATERIALS

A. ALL NEW SPRINKLERS SHALL BE UL-LISTED AND FM-APPROVED AND SHALL MATCH EXISTING TYPE, FINISH, AND TEMPERATURE RATING UNLESS OTHERWISE APPROVED BY EOR.

2.3 HANGERS & SEISMIC

A. PROVIDE SUPPORTS PER NFPA 13.
B. SEISMIC PROVISIONS ARE NOT REQUIRED UNLESS EXISTING BRACING IS DISTURBED.

PART 3 – EXECUTION

3.1 INSTALLATION

A. COORDINATE SPRINKLER LAYOUT WITH CEILING LAYOUT, LIGHTS, DIFFUSERS, SOFFITS, AND EQUIPMENT.
B. MODIFY OR RELOCATE SPRINKLERS AS REQUIRED TO MAINTAIN NFPA 13 SPACING AND OBSTRUCTION RULES.

3.2 FIELD QUALITY CONTROL

A. PERFORM TESTING PER NFPA 13.
B. COORDINATE ALL SHUTDOWNS WITH DOA AND CONCOURSE OPERATIONS.

3.3 MAINTENANCE

A. PROVIDE 12 MONTHS OF INSPECTION, TESTING, AND MAINTENANCE FOR ALL NEW OR MODIFIED COMPONENTS PER NFPA 25.

FIRE PROTECTION GENERAL NOTES

1. THESE FIRE PROTECTION DRAWINGS ARE PERFORMANCE-BASED AND DIAGRAMMATIC IN NATURE AND DO NOT REPRESENT A COMPLETE SPRINKLER SYSTEM DESIGN.
2. FIRE SPRINKLER CONTRACTOR SHALL PROVIDE SEALED NFPA 13 SHOP DRAWINGS INCLUDING SPRINKLER HEAD LAYOUT, PIPE ROUTING, HYDRAULIC CALCULATIONS, SEISMIC REQUIREMENTS (IF APPLICABLE), AND ALL PRODUCT SUBMITTALS.
3. FIELD-VERIFY ALL EXISTING CONDITIONS, CEILING HEIGHTS, HEAD LOCATIONS, AND CONNECTION POINTS PRIOR TO FABRICATION.
4. COORDINATE ALL SPRINKLER HEAD LOCATIONS WITH ARCHITECTURAL CEILING PLANS, LIGHTING FIXTURES, STRUCTURAL MEMBERS, SIGNAGE, AND MECHANICAL EQUIPMENT.
5. MODIFICATIONS TO EXISTING SPRINKLER SYSTEMS SHALL COMPLY WITH NFPA 13, CITY OF ATLANTA FIRE CODE, AND DOA REQUIREMENTS.
6. REPORT ANY DISCREPANCIES OR FIELD CONFLICTS TO THE ENGINEER PRIOR TO INSTALLATION.

HAZARD CLASSIFICATION LEGEND

AREAS SHOWN ON THE FIRE PROTECTION DRAWINGS SHALL BE DESIGNED PER THE FOLLOWING NFPA 13 HAZARD CLASSIFICATIONS:

• ORDINARY HAZARD GROUP 1

FINAL HAZARD CLASSIFICATION SHALL BE CONFIRMED DURING SHOP DRAWING PREPARATION AND REVIEWED BY AOR AND EOR.

FIRE PROTECTION - SPRINKLER LEGENDS

SYMBOL	DEFINITION
○	UPRIGHT SPRINKLER
⊘	PENDENT SPRINKLER
●	CONCEALED SPRINKLER

NOTES:

1. SYMBOLS ARE SCHEMATIC ONLY.
2. EXISTING SPRINKLER HEADS SHALL BE IDENTIFIED WITH KEYNOTE FP-01.
3. FINAL SPRINKLER HEAD TYPE AND SPACING BY FIRE SPRINKLER CONTRACTOR.

SHEET INDEX - FIRE PROTECTION

NUMBER	NAME
FP0.1	FIRE PROTECTION COVER SHEET
FPD1.1	FIRE PROTECTION EXISTING RCP PLAN - LEVEL 1
FP1.1	FIRE PROTECTION RCP PLAN - LEVEL 1
FP5.1	FIRE PROTECTION DETAILS

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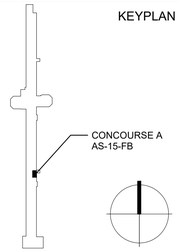

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FIRE PROTECTION COVER SHEET

SHEET NUMBER

FP0.1

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KEY NOTES: (#)

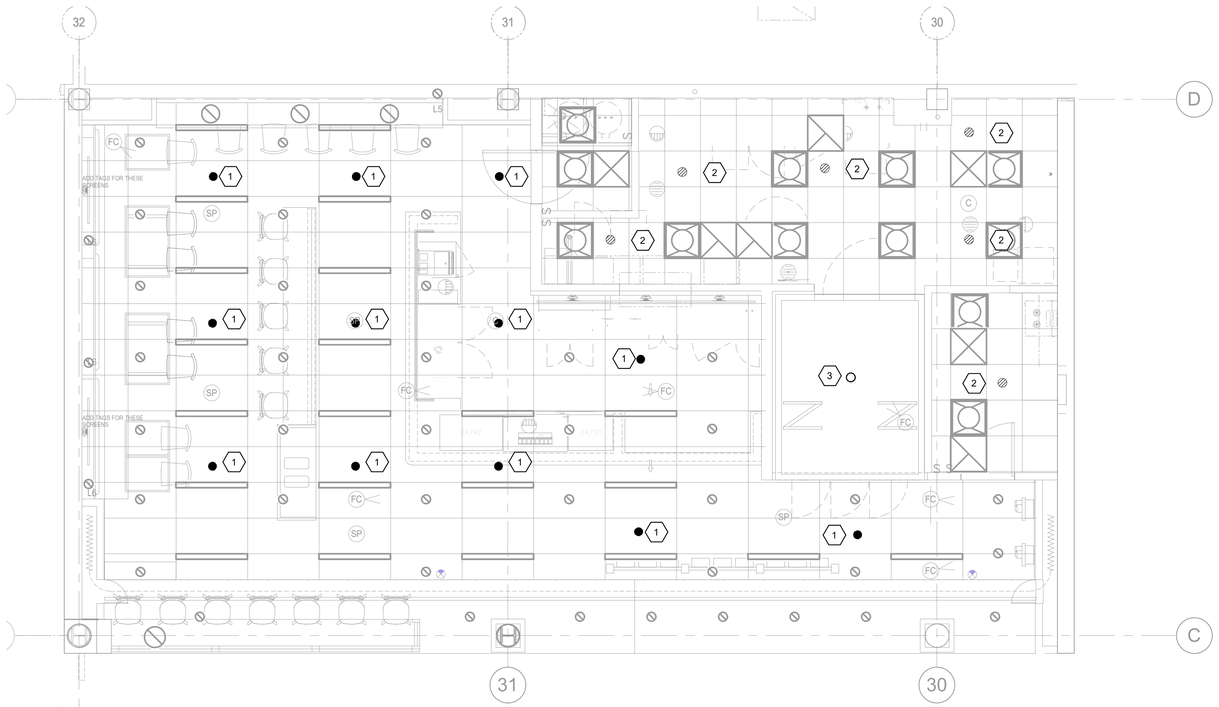
1. CONCEALED SPRINKLER HEAD IN DINING AREA.
BASIS OF DESIGN: 1/2" ORIFICE; K=5.6; 135°F TEMP RATING;
CONCEALED PENDENT HEAD QUICK RESPONSE STANDARD
COVERAGE; CENTRAL-SERIES RFII-"ROYAL FLUSH II" MODEL ID NO.
(TY3531)

2. SEMI-RECESSED SPRINKLER HEAD IN BACK-OF-HOUSE AREA
PROVIDE UPRIGHT SPRINKLER HEADS IN AREAS WITHOUT CEILING.
BASIS OF DESIGN: 1/2" ORIFICE; K=5.6; 135°F TEMP RATING;
UPRIGHT HEAD QUICK RESPONSE STANDARD COVERAGE; CENTRAL
MODEL BV-QR UPRIGHT (SIN:C3101-BV-QR UP)

3. UPRIGHT SPRINKLER HEAD ABOVE WALK-IN COOLER.
BASIS OF DESIGN: 1/2" ORIFICE; K=5.6; 155°F TEMP RATING;
DRY PENDENT; CENTRAL/TYCO SERIES DS-1 TY3235

FIRE PROTECTION NOTES

1. THE FIRE PROTECTION DRAWINGS ARE PROVIDED FOR REFERENCE AND COORDINATION PURPOSES ONLY. DRAWINGS DO NOT REPRESENT A COMPLETE DESIGN OR BASIS FOR CONSTRUCTION.
2. NO FIRE PROTECTION DESIGN IS INCLUDED IN THIS SCOPE. THE FINAL LAYOUT, SIZING, HYDRAULIC CALCULATIONS, AND MATERIAL SELECTION SHALL BE PERFORMED BY A LICENSED FIRE PROTECTION CONTRACTOR UNDER THE SUPERVISION OF A GEORGIA-LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH GA R&R.
3. THE FIRE SPRINKLER CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK, INCLUDING PIPE ROUTING, SPRINKLER HEAD TYPES, CEILING HEIGHTS, OBSTRUCTIONS, AND CONNECTION POINTS TO EXISTING RISERS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER AND ARCHITECT.
4. ANY MODIFICATIONS TO EXISTING SPRINKLER SYSTEMS SHALL BE SUBMITTED TO THE AOR, EOR, AND CITY OF ATLANTA FIRE MARSHAL FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR INSTALLATION.
5. THE FIRE PROTECTION CONTRACTOR SHALL PERFORM ALL REQUIRED TESTING AND INSPECTIONS ON MODIFIED AREAS IN THE PRESENCE OF THE DOA.
6. COORDINATE ALL SPRINKLER WORK WITH ARCHITECTURAL CEILING PLANS AND OTHER TRADES TO MAINTAIN CLEARANCES AND PROPER SPRINKLER COVERAGE.
7. ALL WORK SHALL BE IN ACCORDANCE WITH NFPA 13, NFPA 25, AND DOA STANDARDS.
8. UPON COMPLETION OF THE WORK, THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE UPDATED AS-BUILT DRAWINGS AND A CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR ABOVEGROUND PIPING TO THE OWNER AND DOA.



1 FIRE PROTECTION RCP PLAN - LEVEL 1

SCALE: 1/4" = 1'-0"

1/4" = 1'-0" SCALE — 2 0 2 4 8 FEET

N

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DRAWING DISCLAIMER: THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, INTERIOR DESIGN, FOOD SERVICE, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL DRAWINGS AS LISTED ON THE COVER SHEET (CS) DRAWING INCLUDED WITH THIS PROJECT.

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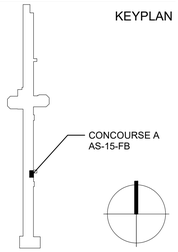
KEYPLAN



REVISION		
DATE	ISSUE	REVISION
2025.10.27	60% COORDINATION REVIEW	
2025.11.21	60% CLIENT REVIEW	
2026.02.04	60% OFI PRE-BID	
2026.02.09	60% AIRPORT REVIEW	
2026.03.24	100% AIRPORT REVIEW	

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FIRE PROTECTION RCP PLAN - LEVEL 1

SHEET NUMBER

FP1.1

PROJECT NUMBER	1808

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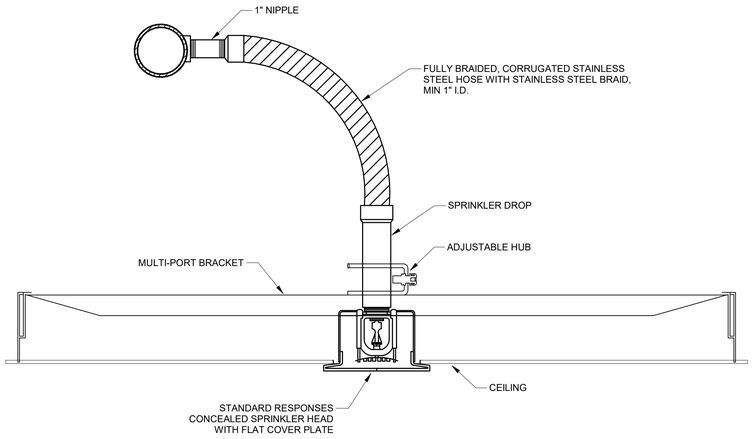
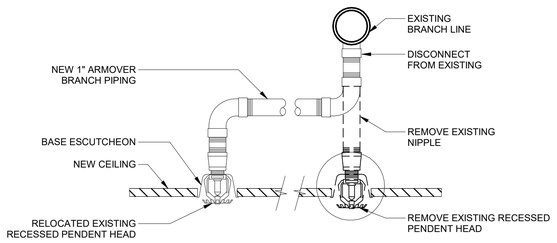
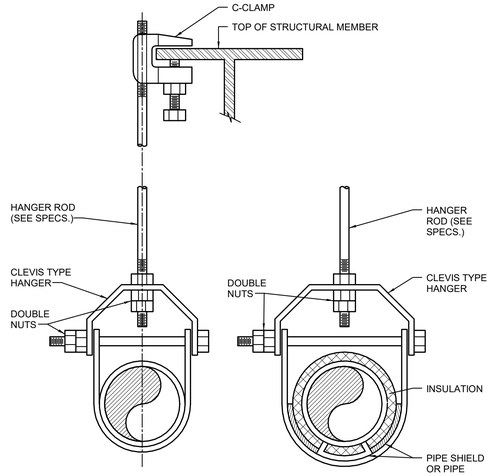


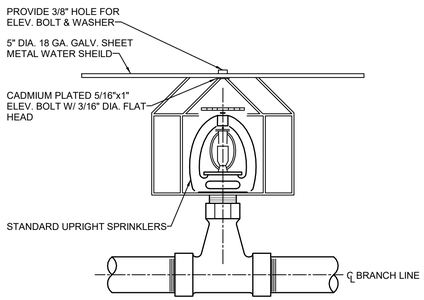
1 FLEXIBLE SPRINKLER PIPING DETAIL
SCALE: NO SCALE



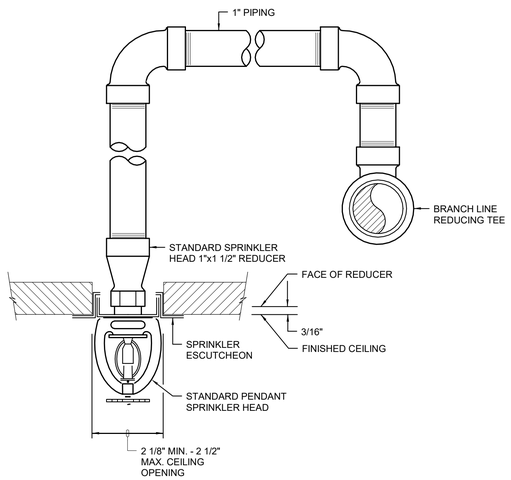
2 RELOCATED SPRINKLER HEAD DETAIL
SCALE: NO SCALE



3 SINGLE PIPE HANGER DETAIL
SCALE: NO SCALE



4 UPRIGHT SPRINKLER HEAD DETAIL
SCALE: NO SCALE



5 PENDANT SPRINKLER AND ESCUTCHEON DETAIL
SCALE: NO SCALE

FIRE PROTECTION DETAIL DISCLAIMER

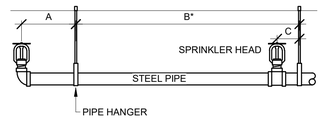
DETAILS SHOWN ON THIS SHEET ARE DIAGRAMMATIC AND PROVIDED FOR REFERENCE ONLY.
FINAL SPRINKLER HEAD LOCATIONS, PIPING ROUTING, FLEXIBLE CONNECTIONS, AND HANGER ARRANGEMENTS SHALL BE DETERMINED BY THE LICENSED FIRE PROTECTION CONTRACTOR.

ALL WORK SHALL COMPLY WITH NFPA 13, NFPA 25, AND THE HARTSFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT (DOA) FIRE SAFETY DIVISION REQUIREMENTS.
SHOP DRAWINGS SHALL BE SUBMITTED TO THE DOA FIRE SAFETY DIVISION AND THE CITY OF ATLANTA FIRE MARSHAL FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

NFPA 13 TABLE 9.2.2.1 AND SECTIONS 9.2.3.3 AND 9.2.3.4.1
NFPA SPACING REQUIREMENTS

HANGER LOCATION DETAIL

PIPE SIZE	A	B*	C
1"	3'-0" MAX	12'-0" MAX	3" MIN
1-1/4"	4'-0" MAX	12'-0" MAX	3" MIN
1-1/2"-8"	5'-0" MAX	15'-0" MAX	3" MIN



NOTES:

1. MAXIMUM HANGER SPACING FOR STEEL PIPE.
2. THE CUMULATIVE HORIZONTAL LENGTH OF AN UNSUPPORTED ARMOVER TO A SPRINKLER OR SPRINKLER DROP SHALL NOT EXCEED 24".
3. ALL HANGER LOCATIONS AND SPACING SHALL BE FIELD VERIFIED AND INSTALLED IN ACCORDANCE WITH NFPA 13, NFPA 25, AND THE HARTSFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT (DOA) FIRE SAFETY DIVISION REQUIREMENTS.
4. DETAILS SHOWN ARE DIAGRAMMATIC AND PROVIDED FOR REFERENCE ONLY. FINAL HANGER SPACING AND SUPPORTS SHALL BE VERIFIED BY THE LICENSED FIRE PROTECTION CONTRACTOR.

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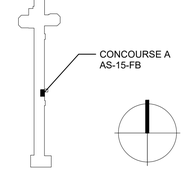

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FIRE PROTECTION DETAILS

SHEET NUMBER

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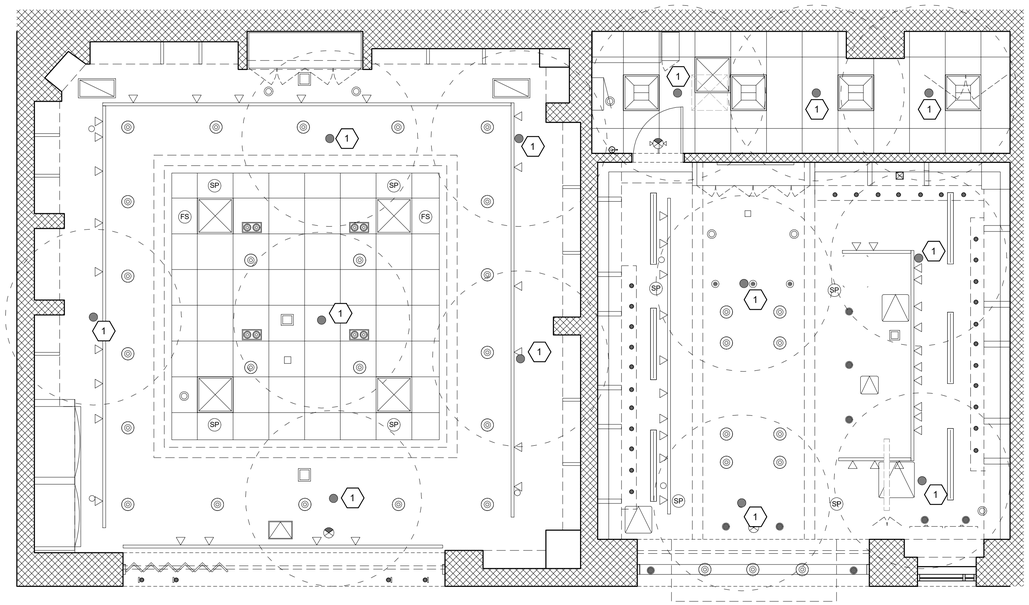
KEY NOTES: (#)

(1) EXISTING FIRE SPRINKLER HEADS -LOCATIONS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING SPRINKLER HEAD LOCATIONS, TYPES, AND COVERAGE AREAS PRIOR TO RENOVATION. ANY REQUIRED MODIFICATIONS OR RELOCATIONS SHALL BE PERFORMED BY A LICENSED FIRE PROTECTION CONTRACTOR UNDER THE SUPERVISION OF A GEORGIA-LICENSED FIRE PROTECTION ENGINEER AND SUBMITTED TO THE EOR FOR APPROVAL PRIOR TO INSTALLATION.

EXISTING SPRINKLER SYSTEM NOTES

1. EXISTING SPRINKLER HEADS AND PIPING SHOWN ARE SCHEMATIC. EXISTING SPRINKLER HEADS TO BE DEMOLISHED UNLESS HEAD ALIGNS WITH NEW CONSTRUCTION PLAN.
2. FIRE SPRINKLER CONTRACTOR SHALL VERIFY EXISTING PIPE SIZES, MATERIALS, HEAD TYPES, AND HEAD SPACING FOR NFPA 13 COMPLIANCE.
3. WHERE CEILINGS, WALLS, OR SOFFITS ARE REMOVED OR MODIFIED, CONTRACTOR SHALL REMOVE, PROTECT, AND REINSTALL SPRINKLER HEADS AS REQUIRED.
4. ABANDONED SPRINKLER PIPING SHALL BE REMOVED BACK TO MAIN AND PROPERLY CAPPED PER NFPA 13. THERE SHALL BE NO DEAD HEAD ABANDONED PIPE.
5. EXISTING SPRINKLER COMPONENTS TO REMAIN SHALL BE PROTECTED DURING ALL CONSTRUCTION ACTIVITIES.
6. THE FIRE SPRINKLER CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK, INCLUDING PIPE ROUTING, SPRINKLER HEAD TYPES, CEILING HEIGHTS, OBSTRUCTIONS, AND CONNECTION POINTS TO EXISTING RISERS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER AND ARCHITECT.
7. ANY CEILING OR WALL DEMOLITION THAT EXPOSES EXISTING FIRE PROTECTION PIPING SHALL BE REPORTED IMMEDIATELY TO THE AOR AND EOR TO VERIFY CONTINUITY OF FIRE PROTECTION COVERAGE DURING CONSTRUCTION.



1 FIRE PROTECTION EXISTING RCP PLAN - LEVEL 1

SCALE: 1/4" = 1'-0"

1/4" = 1'-0" SCALE 2 0 2 4 8 FEET

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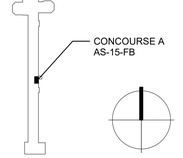

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FIRE PROTECTION EXISTING RCP PLAN - LEVEL 1

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PROJECT NUMBER	1808

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GENERAL

1. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, DESIGN PROFESSIONAL, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS, NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE DESIGN PROFESSIONAL OF RECORD OR ANY OF THE DESIGN PROFESSIONAL OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.

2. CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.

3. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.

4. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, SJI OR OTHER STANDARDS. WHERE A CONFLICT OCCURS WITHIN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.

5. MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.

6. CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS. DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SEE THE ARCHITECTURAL DRAWINGS.

7. CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY.

8. CONTRACTOR SHALL VERIFY THE STRUCTURALLY SUPPORTED MECHANICAL EQUIPMENT WEIGHTS, OPENING SIZES AND LOCATIONS IDENTIFIED ON THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

9. CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC. IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS.

10. CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.

11. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.

12. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.

13. ELECTRONIC DRAWING FILES WILL NOT BE PROVIDED TO THE CONTRACTOR. REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.

14. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE DESIGN PROFESSIONAL DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE DESIGN PROFESSIONAL. CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.

15. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THE TYPICAL DETAILS UNLESS THOSE LOCATIONS ARE SPECIFICALLY DETAILED OTHERWISE.

16. STRUCTURAL DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR THE DESIGN OF STEEL STAIRS, HANDRAILS, CURTAIN WALL/WINDOW WALL SYSTEMS, COLD-FORMED METAL FRAMING, OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.

CODE/DESIGN CRITERIA

1. STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING:

   - INTERNATIONAL BUILDING CODE, 2024 EDITION, WITH GEORGIA AMENDMENTS

2. GRAVITY LOADS

   2.1 UNIFORM FLOOR LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):

   - MECHANICAL MEZZANINE 125 PSF

   2.2 DEAD LOADS (IN ADDITION TO STRUCTURE SELF-WEIGHT):

   FLOOR:
   - MISCELLANEOUS 5 PSF
   - CEILING/MEP 8 PSF
   - MECHANICAL EQUIPMENT SEE PLAN FOR WEIGHT

3. UNLESS NOTED OTHERWISE CALCULATED INDIVIDUAL MEMBER DEFLECTIONS (IN INCHES) DO NOT EXCEED THE FOLLOWING:

	DEAD LOAD	LIVE LOAD	DEAD + LIVE LOAD
ROOF MEMBERS:	L/360	L/360	L/240
FLOOR MEMBERS:	L/360	L/360	L/240

   - WHERE, L = SPAN LENGTH (IN INCHES) BETWEEN SUPPORTS. (FOR CANTILEVERS, L IS TWICE THE LENGTH OF THE CANTILEVER.) NOTE THAT THE TOTAL MAXIMUM CALCULATED FLOOR SYSTEM DEFECTION WILL BE THE SUM OF THE DEFLECTIONS OF THE SUPPORTED ELEMENTS IN A BAY.

4. NO PROVISIONS HAVE BEEN MADE FOR FUTURE HORIZONTAL OR VERTICAL EXPANSION.

COLD-FORMED STEEL

1. DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS AND THEIR CONNECTIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT SHOP DRAWINGS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS REGARDING ARRANGEMENT AND SIZES OF MEMBERS AND THE CONTRACTOR'S INTERPRETATION OF THE DESIGN LOADS AND CONTRACT DOCUMENT DETAILS. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR THE DESIGN OF THE COLD-FORMED STEEL STRUCTURAL MEMBERS AND THEIR CONNECTIONS.

2. COLD-FORMED STEEL DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH AISI "SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" OR "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATION FOR COLD-FORMED STEEL STRUCTURAL MEMBERS".

3. COLD-FORMED STEEL STUDS, JOISTS AND ACCESSORIES SHALL BE AS SHOWN IN THE STRUCTURAL DOCUMENTS.

4. COLD-FORMED STEEL TRUSSES SHALL BE DESIGNED FOR THE DESIGN LOADS SHOWN IN THE CONTRACT DOCUMENTS. REFER TO THE SPECIFICATIONS.

5. COLD-FORMED STEEL STRUCTURAL MEMBERS MAY BE ATTACHED BY EITHER WELDS OR SCREWS SIZED BY THE MANUFACTURER FOR THE SPECIFIED DESIGN LOADS. SEE THE SPECIFICATIONS.

6. CONTRACTOR SHALL FURNISH COMPLETE FABRICATION AND ERECTION DRAWINGS FOR APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO THE COMMENCEMENT OF FABRICATION. INCLUDE PLACING DRAWINGS FOR FRAMING MEMBERS SHOWING SIZE AND GAGE DESIGNATIONS, NUMBER, TYPE, LOCATION AND SPACING. INDICATE SUPPLEMENTAL STRAPPING, BRACING, SPLICES, BRIDGING, ACCESSORIES AND DETAILS REQUIRED FOR PROPER INSTALLATION.

7. AXIALLY LOADED BEARING STUDS SHALL BE POSITIONED SUCH THAT STUD LOCATION IS DIRECTLY UNDER JOIST BEARING POINT UNLESS NOTED OTHERWISE IN THE STRUCTURAL DOCUMENTS.

8. SPLICES IN AXIALLY LOADED STUDS AND FLOOR OR ROOF JOISTS SHALL NOT BE PERMITTED.

9. WELDING OF COLD-FORMED STEEL SHALL BE IN ACCORDANCE WITH THE STANDARD CODE OF ARC AND GAS WELDING IN BUILDING CONSTRUCTION.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A992, UNLESS NOTED OTHERWISE.

2. BOLTS AND ANCHORS:

   2.1 BOLTED CONNECTIONS SHALL BE TYPE N (BEARING TYPE WITH THREADS INCLUDED IN SHEAR PLANE) WITH MINIMUM 3/4" DIAMETER (UNO) F3125 BOLTS. SUBMIT PROPOSED BOLT TIGHTENING PROCEDURE FOR REVIEW.

   2.2 ANCHOR BOLTS SHALL BE HEADED BOLTS CONFORMING TO ASTM F1554 AND SHALL BE HEADED RODS OR THREADED RODS WITH HEAVY HEXAGONAL NUT WELDED TO THE BOTTOM OF THE THREADED ROD, GRADE A36, UNLESS NOTED OTHERWISE.

   2.3 EXPANSION ANCHORS SHALL HAVE BEEN EVALUATED BY THE ICC EVALUATION SERVICES, INC (ICC-ES) WITH A PUBLISHED EVALUATION REPORT. ANCHORS INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 193 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. ALL ANCHORS SHALL BE APPROVED FOR RESISTING WIND AND SEISMIC LOADS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE EQUAL TO 4.5 TIMES THE ANCHOR DIAMETER, UNLESS NOTED OTHERWISE.

   2.4 ADHESIVE ANCHORS SHALL CONSIST OF AN ALL-THREAD STEEL ANCHOR WITH ADHESIVE CONFORMING TO ASTM C881-02, TYPE IV, GRADE 3, CLASS A, B, & C EXCEPT GEL TIMES AND EPOXY CONTENT. ADHESIVE SHALL CONSIST OF A TWO COMPONENT ADHESIVE SYSTEM CONTAINED IN SIDE BY SIDE PACKAGING CONNECTED TO A MIXING NOZZLE WHICH THOROUGHLY MIXES THE COMPONENTS AS IT IS INJECTED INTO THE HOLE. ADHESIVE SHALL HAVE PASSED ICC EVALUATION SERVICES, INC (ICC-ES) ACCEPTANCE CRITERIA 308 FOR LONG TERM CREEP. ANCHORS INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 308 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE EQUAL TO 4.5 TIMES THE ANCHOR DIAMETER, UNLESS NOTED OTHERWISE.

3. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO BOTH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".

4. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS AND CONNECTIONS SHOWN IN THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DETAILED BASED ON THE DESIGN INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DESIGNED FOR THE SERVICE LOAD REACTION VALUES SHOWN ON THE STRUCTURAL DRAWINGS. FOR STEEL MEMBERS WHOSE REACTIONS ARE NOT SHOWN, THE DESIGN REACTION SHALL BE OBTAINED FROM THE TABLES ENTITLED "MAXIMUM TOTAL UNIFORM LOAD" IN PART 3 OF THE AISC "MANUAL OF STEEL CONSTRUCTION", FOURTEENTH (14TH) EDITION. THE DESIGN REACTION IS EQUAL TO HALF THE TABULATED VALUE FOR NONCOMPOSITE BEAMS AND EQUAL TO THE TABULATED VALUE FOR COMPOSITE BEAMS. DEVIATION FROM THE CONNECTION DETAILS DEPICTED IN THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE DESIGN PROFESSIONAL. REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE DESIGN AND ADEQUACY OF SUCH CONNECTIONS. DESIGN PROFESSIONAL SHALL BE COMPENSATED BY THE CONTRACTOR FOR THE COST INVOLVED IN THE REDESIGN OF CONNECTIONS FOR THE CONVENIENCE OF THE CONTRACTOR. SINGLE ANGLE CONNECTIONS ARE NOT ACCEPTABLE.

   CONNECTIONS SHALL BE DESIGNED FOR THE SERVICE LOAD REACTION OF 10 KIPS UNLESS SHOWN OTHERWISE ON THE STRUCTURAL DRAWINGS.

5. USE PRE-QUALIFIED WELDED JOINTS IN ACCORDANCE WITH AISC AND THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY. "NON-PRE-QUALIFIED JOINTS" SHALL BE QUALIFIED PRIOR TO FABRICATION.

6. STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE GALVANIZED.

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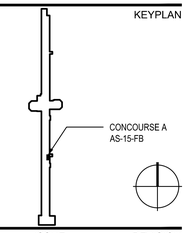

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GENERAL NOTES

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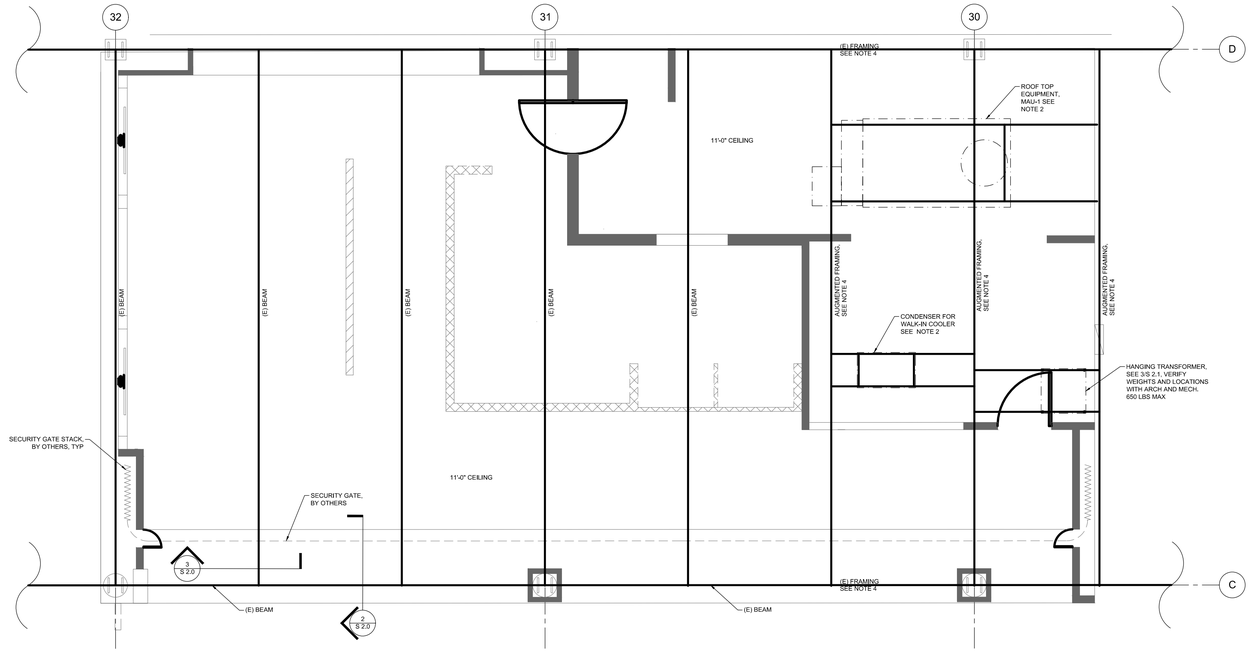
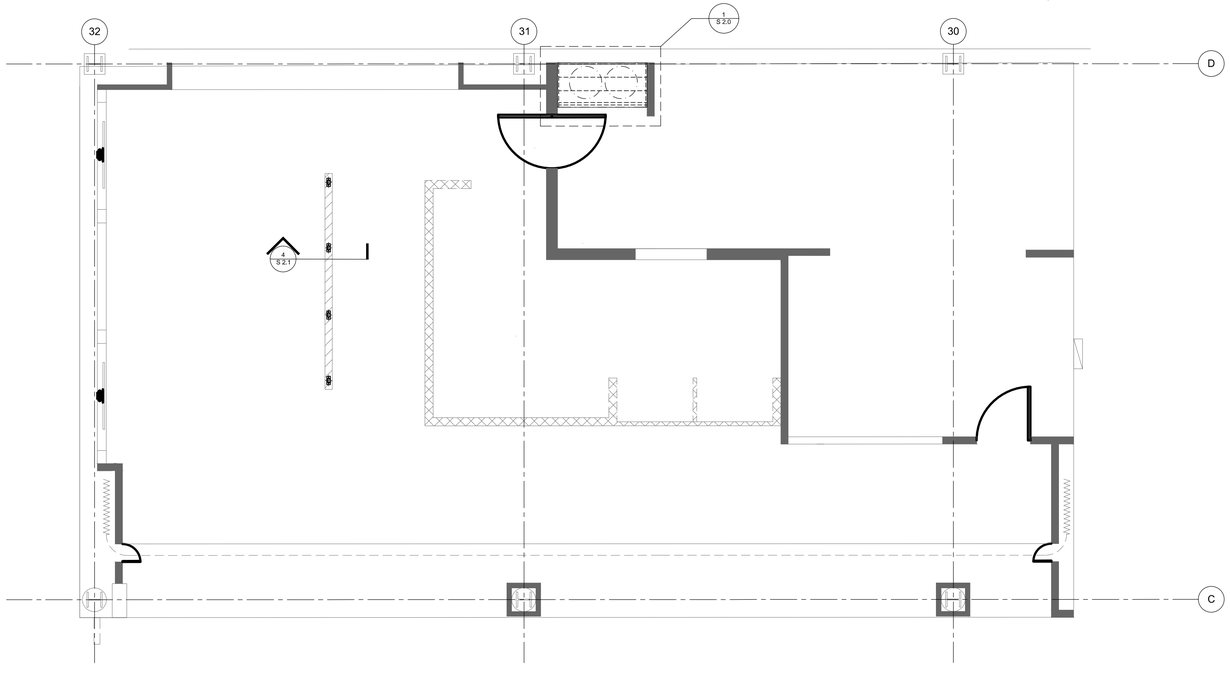


NOTES:
1. SEE ARCH DRAWINGS FOR ADDITIONAL INFORMATION.
2. SEE MECHANICAL DRAWINGS FOR ROOFTOP EQUIPMENT SIZE AND LOCATION. MAXIMUM WEIGHT FOR MAU-1 SHALL BE 1600 LBS. MAXIMUM WEIGHT FOR CONDENSER SHALL BE 500 LBS. SEE 1/S 2.1 FOR TYPICAL ROOF DECK AT MECHANICAL EQUIPMENT SUPPORT AND 2/S 2.1 FOR TYPICAL FRAMING AT ROOF DECK OPENING.
3. FRAMING IS SHOWN FOR CONCEPT ONLY. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
4. EXISTING ROOF FRAMING SHALL BE AUGMENTED TO SUPPORT ROOFTOP EQUIPMENT. CONTRACTOR SHALL PROVIDE FRAMING SIZE AND SPACING FOR ENGINEER'S REVIEW FOR AUGMENTATION.

2 / S 1.0 ROOF FRAMING PLAN
1/4" = 1'-0"



NOTES:
1. SEE ARCH DRAWINGS FOR ADDITIONAL INFORMATION.
2. FRAMING IS SHOWN FOR CONCEPT ONLY. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. INDICATES AN EXISTING PARTITION
4. INDICATES A NEW PARTITION, PROVIDE 600S162-43 @16" O.C. MAX.
5. INDICATES A PARTIAL HEIGHT WALL, PROVIDE 600S162-43 @16" O.C. MAX.
6. INDICATES A PARTIAL HEIGHT WALL, PROVIDE 362S162-43 @16" O.C. MAX.

1 / S 1.0 FRAMING PLAN
1/4" = 1'-0"

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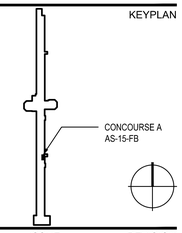

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STRUCTURAL PLAN

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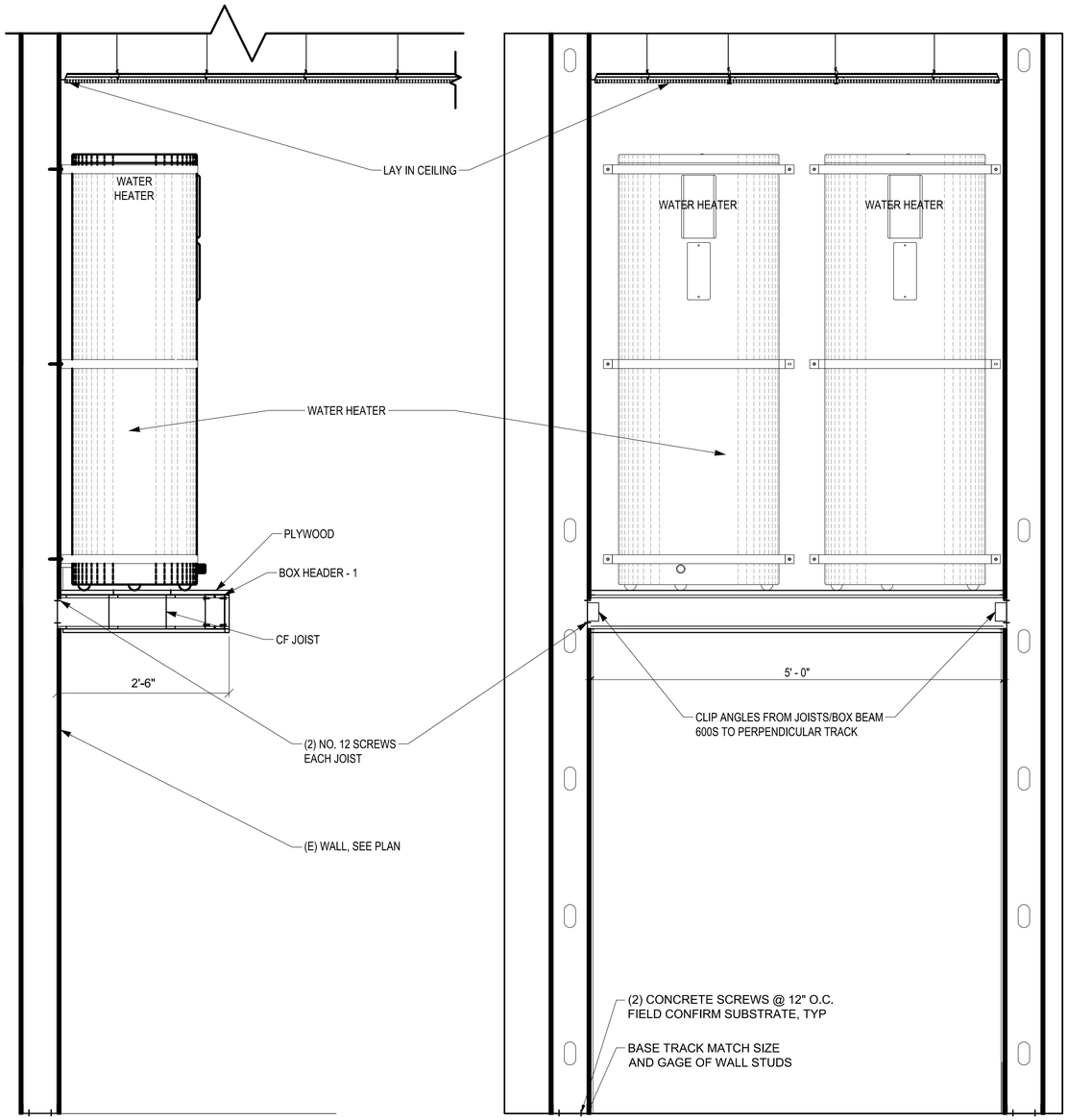
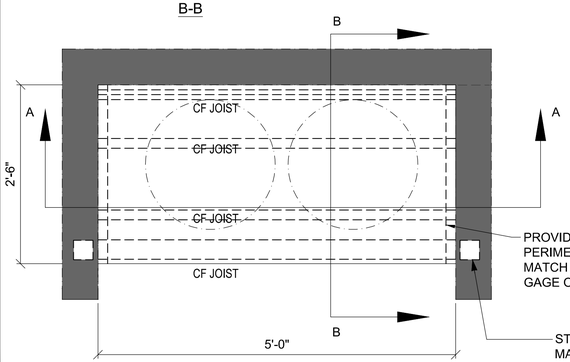
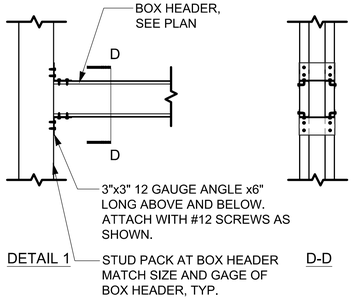


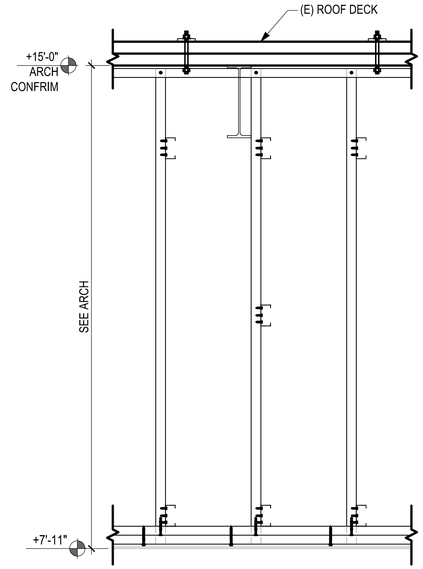


NOTES:

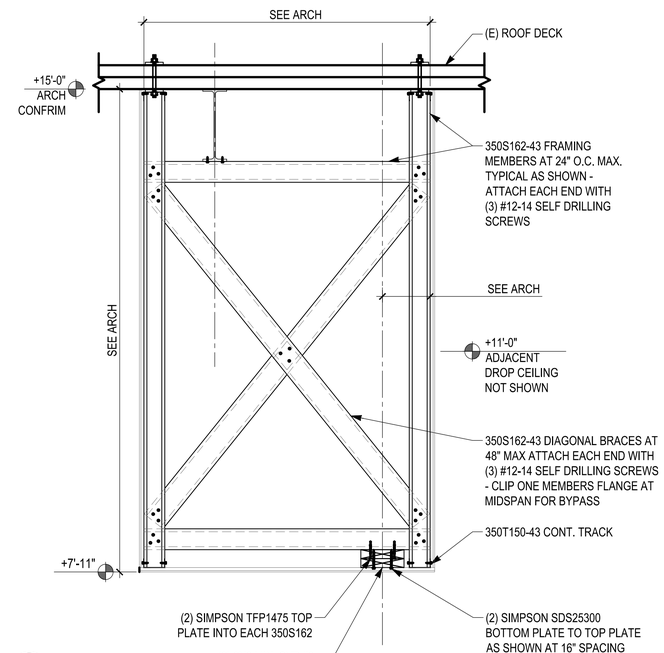
1. BOX HEADER -1 INDICATES (2) 600S162-54 (50 KSI) W/ 350T162-54 TOP AND BOTTOM - ATTACH WITH #12 SELF-TAPPING SCREWS AT 6" O.C.
2. CF JOIST INDICATES 600S162-54 (50 KSI) JOIST AT 12" O.C. MAX.
3. INDICATES NON-LOAD BEARING WALL. PROVIDE 600S162-43 @16" O.C. MAX.
4. SEE ARCH DRAWINGS FOR DIMENSIONS.



1 / S 2.0 WATER HEATER SUPPORT
1" = 1'-0"



2 / S 2.0 SECURITY GATE TRACK AND PANEL
1" = 1'-0"



2 / S 2.0 SECURITY GATE TRACK AND PANEL
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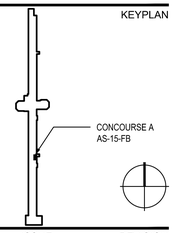

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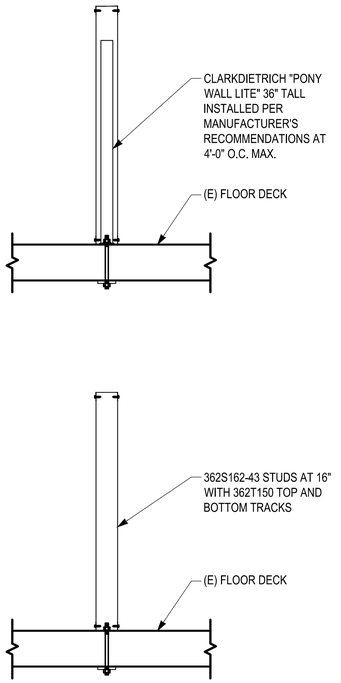
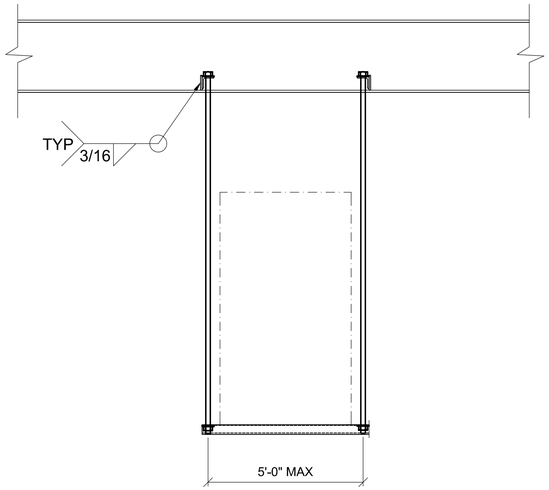
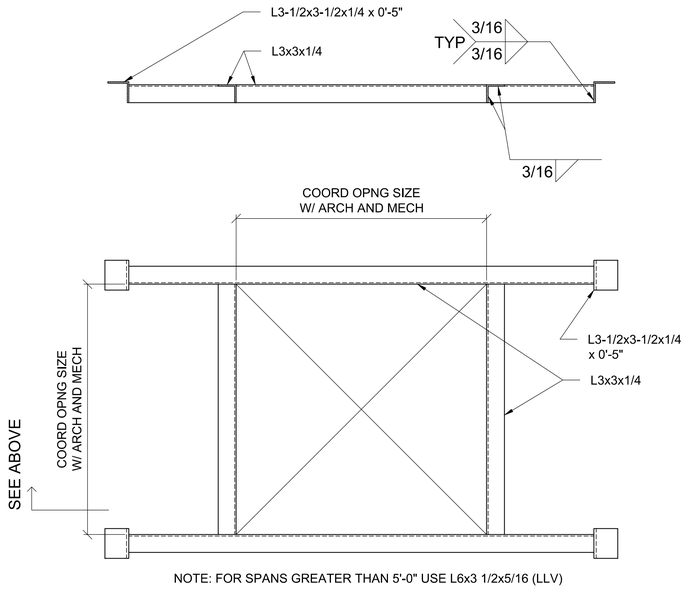


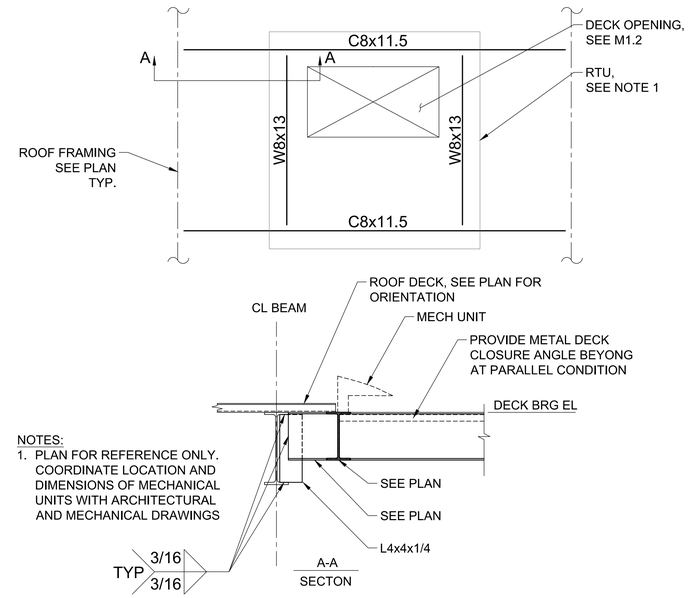
4 S 2.1 PONY WALL AT FLOOR
1" = 1'-0"



3 S 2.1 TYPICAL SUSPENDED TRANSFORMER SUPPORT
1" = 1'-0"



2 S 2.1 TYPICAL FRAMING AT ROOF DECK OPENING
1" = 1'-0"



NOTES:
1. PLAN FOR REFERENCE ONLY. COORDINATE LOCATION AND DIMENSIONS OF MECHANICAL UNITS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS

1 S 2.1 TYPICAL ROOF DECK AT MECHANICAL UNIT SUPPORT
1" = 1'-0"

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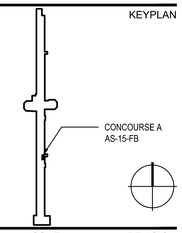

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