PROJECT TEAM:

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Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Stantec Project Number: 144323181
Client Project Number: S0037

NOTE: 3D VIEW FOR REPRESENTATIONAL PURPOSES ONLY, SEE CONSTRUCTION DOCUMENTS FOR DETAIL DOCUMENTATION.

DRAWING LIST - ARCHITECTURAL

DRAWING LIST - STRUCTURAL

DRAWING LIST - MECHANICAL

DRAWING LIST - PLUMBING

DRAWING LIST - ELECTRICAL

DRAWING LIST - FIRE PROTECTION

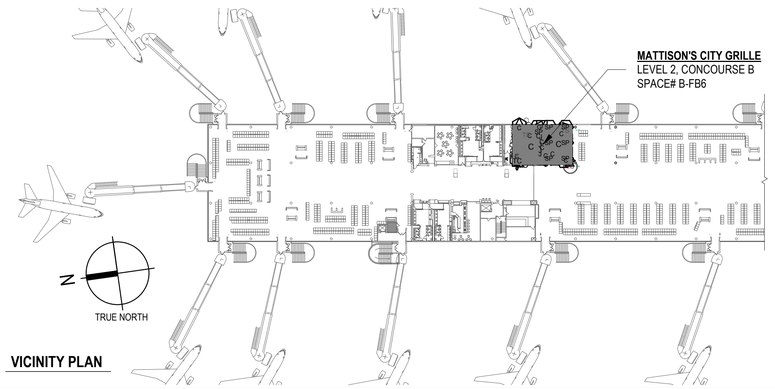
DRAWING LIST - KITCHEN

ISSUED FOR: CONSTRUCTION

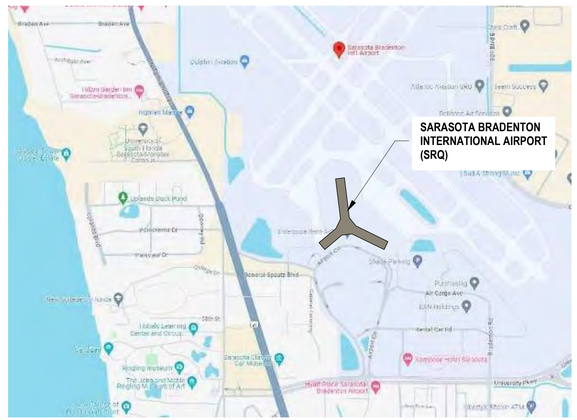
2025.01.15

FLORIDA PRODUCT APPROVAL (BASIS OF DESIGN)

BUILDING ELEMENT	MANUFACTURER	PRODUCT	FLORIDA APPROVAL
ROOFING MEMBRANE	FiberTite	XT 50-mil Membrane Single Ply Roof Systems over Steel Decks	NOA #20-0414.10
ROOFING MEMBRANE	FiberTite	XT 50-mil Membrane Single Ply Roof Systems over Lightweight Concrete Decks	NOA #20-0414.08



VICINITY PLAN



SITE PLAN

Stantec

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Architect

BLU ARC DESIGN

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1	TENANT REVISION	MM	JR	2024.10.21
Revision		By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION		MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT		NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW		NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW		NY	JR	2024.04.22
Issued		By	Appd	YYYY.MM.DD

File Name: N/A	Author	Designer	Checker	02/14/20
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

PRELIMINARY NOT FOR CONSTRUCTION

Not for permits, pricing or other official purposes. This document has not been completed or checked and is for general information or comment only.

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

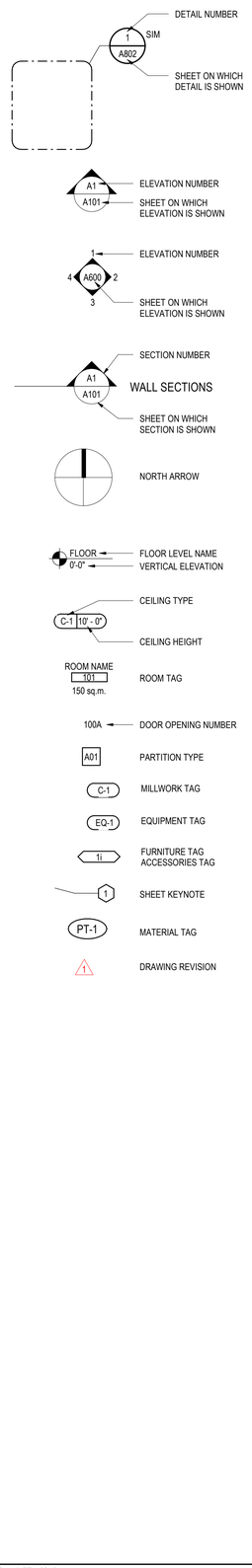
COVER SHEET

Project No.	Scale
144323181	As indicated
Revision	Drawing No.
1	A000

<Plot location in Project Information> 1/15/2025 10:14:57 AM Autodesk Docs://144323181_Mattisons_City_Grille/RVT_mattison_city_grille_central_144323181_rvt

ORIGINAL SHEET - ARCH D

SYMBOLS LEGEND



ABBREVIATIONS

ACT	ACOUSTIC CEILING TILE	HVAC	HEATING, VENTILATION & AIR CONDITIONING
ADD'L	ADDITIONAL	INCL	INCLUDE
AFF	ABOVE FINISHED FLOOR	INFO	INFORMATION
AL	ALUMINUM	INSUL	INSULATION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	INT	INTERIOR
ATTEN	ATTENUATION	JAN	JANITOR
AUTO	AUTOMATIC	KIT	KITCHEN
AVG	AVERAGE	LAV	LAVATORY
B/T	BETWEEN	LT. GA	LIGHT GAUGE
BD	BOARD	LT. WT	LIGHT WEIGHT
BHMA	THE BUILDERS HARDWARE MANUFACTURERS ASSOC.	LTG	LIGHTING
BLDG	BUILDING	M	METERS
BLK	BLOCK	MAINT	MAINTENANCE
BOT	BOTTOM	MATL	MATERIAL
C/C	CENTER TO CENTER	MAX	MAXIMUM
CCTV	CLOSED CIRCUIT TV	MDF	MEDIUM DENSITY FIBREBOARD
CG	CORNER GUARD	MECH	MECHANICAL
CH	COAT HOOK	MED	MEDIUM
CIP	CAST IN PLACE	MFG	MANUFACTURED
CLG	CEILING	MIN	MINIMUM
CLO	CLOSET	MISC	MISCELLANEOUS
CLR	CLEAR	MM	MILLIMETERS
CMU	CONCRETE MASONRY UNIT	MTD	MOUNTED
COL	COLUMN	MTL	METAL
CONC	CONCRETE	N/A	NOT APPLICABLE
CONT	CONTINUOUS	NAAWS	NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARDS
CONSTR	CONSTRUCTION		
COORD	COORDINATE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CPT	CARPET	NIC	NOT IN CONTRACT
CSMT	CASEMENT	NO	NUMBER
CYL	CYLINDER	NTS	NOT TO SCALE
C/W	COMPLETE WITH	OC	ON CENTER
DBL	DOUBLE	OPP	OPPOSITE
DEG	DEGREE	ORIG	ORIGINAL
DEMO	DEMOLISH, DEMOLITION	OUT	OUTLET
DEPT	DEPARTMENT	PART	PARTIAL
DET	DETAIL	PBD	PARTICLE BOARD
DIAG	DIAGONAL	PBO	PROVIDED BY OWNER(FURNISHED & INSTALLED)
DIFF	DIFFUSER	PERIM	PERIMETER
DIM	DIMENSION	PLAM	PLASTIC LAMINATE
DN	DOWN	PLMBG	PLUMBING
DTL	DETAIL	PLTR	PARADIES LAGARDERE TRAVEL RETAIL
DWG	DRAWING	PLYWD	PLYWOOD
EA	EACH	PTD	PAINTED
EL	ELEVATION	PVC	POLYVINYL CHLORIDE
ELEC	ELECTRICAL	PVF	POLYVINYLIDENE FINISH
EMEG	EMERGENCY	PWR	POWER
ENCL	ENCLOSURE	RAD	RADIUS
ENG	ENGINEER	RCP	REFLECTED CEILING PLAN
EP	ELECTRICAL PANEL	RECP	RECEPTACLE
EQ	EQUAL	REF	REFERENCE
EQUIP	EQUIPMENT	RM	ROOM
EXH	EXHAUST	RO	ROUGH OPENING
EXIST	EXISTING	RWL	RAIN WATER LEADER
FAB	FABRICATE	SCR	SCREEN
FD	FLOOR DRAIN	SCW	SOLID CORE WOOD
FE	FIRE EXTINGUISHER	SECT	SECTION
FEC	FIRE EXTINGUISHER CABINET	SERV	SERVICE
FF&E	FIXTURES, FURNISHING & EQUIPMENT	SUSP	SUSPEND, SUSPENDED
FFE	FINISHED FLOOR ELEVATION	SYM	SYMMETRICAL
FHC	FIRE HOSE CABINET	T/P	TOP OF
FIN	FINISH, FINISHED	TBD	TO BE DETERMINED
FLR	FLOOR	TC	TENANT CONTRACTOR
FO	FINISH OPENING	TCNA	TILE COUNCIL OF NORTH AMERICA
FOB	FURNISHED BY OWNER	TEL	TELEPHONE
FRM	FRAME	TEMP	TEMPORARY
FRP	FIBERGLASS REINFORCED PLASTIC	THK	THICK, THICKNESS
FRPF	FIREPROOF	THRU	THROUGH
FRT	FIRE RETARDANT TREATED	TYP	TYPICAL
FUR	FURRED	U.N.O.	UNLESS NOTED OTHERWISE
FVC	FIRE VALUE CABINET	U/S	UNDERSIDE
GA	GAUGE	UNFIN	UNFINISHED
GALV	GALVANIZED	UT	UTILITY
GC	GENERAL CONTRACTOR	UL	UNDERWRITERS LABORATORIES
GEN	GENERAL	V.C.T	VINYL COMPOSITE TILE
GL	GLASS	V.I.F.	VERIFY IN FIELD
GLZ	GLAZING	VAR	VARIES
GWB	GYPSUM WALLBOARD	VENT	VENTILATE
GYP	GYPSUM	VEST	VESTIBULE
HC	HOLLOW CORE	VF	VINYL FABRIC
HDB	HARDBOARD	VOC	VOLATILE ORGANIC COMPOUND
HDW	HARDWARE	W/	WITH
HM	HOLLOW METAL	W/O	WITHOUT
HORIZ	HORIZONTAL	WC	WATERCLOSET
HR	HOUR	WD	WOOD
HSS	HOLLOW STEEL SECTION	WIN	WINDOW
HT	HEIGHT	WT	WEIGHT

RESPONSIBILITY SCHEDULE NOTES

1 UNLESS LISTED ABOVE IT IS THE RESPONSIBILITY OF THE TENANT CONTRACTOR TO SUPPLY AND INSTALL ALL NEW CONSTRUCTION MATERIALS IN A PROFESSIONAL MANNER ALONG WITH INDUSTRY STANDARD PRACTICES.

2 ITEMS NOTED AS SUPPLIED BY CLIENT/ TENANT WILL REQUIRE RECEIVING AND COORDINATION WITH CLIENT'S SUPPLIER AND TENANT CONTRACTOR.

3 THE TENANT CONTRACTOR WILL CLARIFY WITH SUBMITTAL OF BID QUOTATION SPECIFIC ITEMS AS LISTED ABOVE.

4 ALL ITEMS SHALL BE INSTALLED PER MANUFACTURERS WRITTEN SPECIFICATIONS INCLUDED WITH THE PRODUCT.

5 COMPENSATION FOR INSPECTIONS PERFORMED AFTER NORMAL WORKING HOURS WILL BE THE RESPONSIBILITY OF THE TENANT CONTRACTOR.

6 TENANT CONTRACTOR TO COORDINATE AND CONFIRM FINAL QUANTITIES OF ALL ITEMS TO BE ORDERED BY PARADIES PROCUREMENT TEAM TO MAKE SURE THAT ITEM QUANTITIES ARE PER DRAWINGS.

7 TENANT CONTRACTOR TO PROVIDE ESCORT FOR ALL OF VENDORS.

8 ALL WORKERS ARE TO BE PROPERLY BADGED AND / OR REMAIN WITH ESCORTS.

9 DUST AND DEBRIS FROM WORK AREA ARE TO BE KEPT WITHIN SITE.

10 WORK AREAS ARE TO BE PROPERLY CORDONED OFF AND SECURED FROM THE TRAVELLING PUBLIC.

11 TOOLS AND OTHER MATERIALS ARE TO BE PROPERLY SECURED TO PREVENT ACCESS BY TRAVELLING PUBLIC.

RESPONSIBILITY SCHEDULE

	NOT APPLICABLE	EXISTING	PLTR FURNITURE VENDOR SUPPLY	PLTR FURNITURE VENDOR INSTALL	LANDLORD SUPPLY	LANDLORD INSTALL	CLIENT/TENANT (PLTR) SUPPLY	CLIENT/TENANT (PLTR) INSTALL	TENANT CONTRACTOR SUPPLY	TENANT CONTRACTOR INSTALL	SIGNAGE CONTRACTOR SUPPLY	SIGNAGE CONTRACTOR INSTALL	MILLWORK CONTRACTOR SUPPLY	MILLWORK CONTRACTOR INSTALL	REMARKS
GENERAL:															
BUILDING PERMIT							●								TC TO ARRANGE & PICK UP PERMIT
OTHER PERMITS, FEES, INSURANCE									●						
TEMPORARY BARRICADE									●	●					TC TO CONFIRM FINAL LAYOUT WITH AIRPORT REPRESENTATIVE
DEMOLITION									●	●					TC TO CONFIRM DEMOLITION W/ AIRPORT REPRESENTATIVE
CLEAN-UP, FINAL CLEANING, TRASH REMOVAL & DUMPSTER									●	●					
SLAB X-RAYS & CORE DRILLING OF EXISTING SLAB									●	●					
STOREFRONT TENANT WALLS & FRAMING									●	●					
STOREFRONT TENANT FINISHES, WALL PANELS & HARDWARE									●	●					
WALL PARTITIONS - GWB, METAL STUD WALLS									●	●					
CARPENTRY; ROUGH & FINISH									●	●					
DOORS & FRAMES									●	●					
DOOR HARDWARE									●	●					
ACCESS PANEL (IF APPLICABLE)									●	●					
PAINTING, WALL COVERING, FRP, METAL AND WOOD PANELS									●	●					
FLOOR REDUCER STRIP ADHESIVES, ETC.									●	●					
WALL AND FLOOR TILES							●			●					TC TO SUPPLY/INSTALL WATERPROOFING MEMBRANE
GROUT FOR FLOOR & WALL TILES									●	●					
FLOOR PENETRATIONS									●	●					
FLOOR PROTECTION									●	●					
CEILING FEATURE C/W FRT FRAMING									●	●					
METAL WALL & MILLWORK BASE									●	●					
STRUCTURAL STEEL SUPPORTS									●	●					
BAR CANOPY & SUPPORTS									●	●					
STOREEFRONT FOLDING SECURITY GRILLE & ENGINEERED SUPPORTS									●	●					
MECHANICAL: (REFER TO MECHANICAL DRAWINGS)															
HVAC UNITS									●	●					
HVAC DISTRIBUTION - DUCTWORK, DIFFUSERS, ETC.									●	●					REWORK DISTRIBUTION AS REQUIRED AT SALES AREA. REUSE EXISTING DIFFUSERS IN BOH IF POSSIBLE
AIR BALANCES									●	●					
SMOKE DETECTION									●	●					
FIRE SPRINKLER SHUT-OFF									●	●					
SPRINKLER SYSTEM MODIFICATIONS									●	●					
FIRE EXTINGUISHERS									●	●					
PLUMBING									●	●					
PLUMBING FIXTURES									●	●					
ELECTRICAL: (REFER TO ELECTRICAL DRAWINGS)															
ELECTRICAL SERVICE		●							●	●					
ELECTRICAL PANELS									●	●					
WIRING, CIRCUITING, RECEPTACLES, SWITCHES, ETC.									●	●					
EXIT SIGNS & EMERGENCY LIGHTING									●	●					
GENERAL LIGHT FIXTURES							●			●					
DIMMING, LIGHTING CONTROLS									●	●					
MILLWORK LIGHT FIXTURES										●			●	●	SUPPLIED AND INSTALLED BY MC U.N.O. FINAL CONNECTIONS BY ELECTRICAL CONTRACTOR.
CONNECTION & WIRING OF CASHWRAP									●	●					
TELEPHONE, P.O.S. SYSTEM CONDUIT									●	●					
P.O.S. SYSTEM							●			●					TC TO COORDINATE WITH CLIENT (PLTR)
FIRE ALARM/ SMOKE DETECTORS									●	●					CONFIRM EXACT LOCATION W/ STANTEC ARCHITECTURE PRIOR TO INSTALLATION
AUDIO/ VIDEO SYSTEM							●	●							TC TO TIE-IN MUSIC SPEAKERS TO BASE BUILDING F.A. SYSTEM
AUDIO/ VIDEO SYSTEM CONDUIT									●	●					
CCTV CAMERA							●	●							TC TO CONFIRM SPECS & LOCATION W/ CLIENT
MOUNTING POLES FOR CAMERAS									●	●					TC TO COORDINATE WITH AIRPORT REGARDING MOUNTING OF POLES ONTO BASE BUILDING CEILING. TC TO PROVIDE BLACK FINISH SUSPENSION SYSTEM AS REQUIRED (ie. UNISTRUT, THREADED ROD). TC TO COORDINATE WITH PARADIES CCTV VENDOR.
CCTV CAMERA CABLING									●	●					TC TO INSTALL SUSPENSION POLE AS REQUIRED. COODINATE WITH PARADIES CCTV VENDOR.
WIRING (DATA, PHONE, SPEAKERS, CAMERAS)									●	●					CAT 6 REQUIRED - SUPPLY PULL AND TERMINATE
WAP (WIRELESS ACCESS POINT)							●			●					TC TO PROVIDE CONDUIT AND CAT 6. FINAL LOCATION TO BE CONFIRMED WITH PLTR PM.
FURNITURE, FIXTURES & EQUIPMENT:															
ALL MILLWORK EXCEPT BANQUETTE SEATING INCLUDING BUT NOT LIMITED TO DISPLAYS, COUNTERS, AND HOST STAND									●			●	●		MC TO COORDINATE WITH TC INSTALL OF LIGHT FIXTURES WITHIN MILLWORK UNITS. ALL WIRING, CONDUIT, JUNCTION BOXES ETC. TO BE CONCEALED. MC TO SUPPLY AND INSTALL UPHOLSTERY.
CASHWRAP UNIT C/W HARDWARE									●			●	●		TC TO RECEIVE AND COORDINATE MILLWORK INSTALLATION WITH MILLWORK VENDOR. TC TO COMPLETE FINAL HOOK-UP.
DIE WALL PARTITION									●	●					TC TO COORDINATE WITH MC
BLOCKING FOR MILLWORK UNITS									●	●					
STORAGE SHELVING UNITS							●			●					TC TO ENSURE THAT SHELVES ARE SEISMICALLY RESTRAINED AS REQUIRED.
COOLERS							●			●					CONFIRM FINAL SPECS WITH CLIENT (PLTR)
I.T. EQUIPMENT RACK & PATCH PANEL PER I.T. SPEC SHEET									●	●					TC TO CONFIRM SPECS WITH CLIENT PM
SAFE							●			●					TO BE LOCATED AND BOLTED TO FLOOR BY TC. CONFIRM FINAL LOCATION WITH CLIENT P.M.
BOH DESK & CHAIR	●														
BAR AND BAR ASSEMBLY									●	●					
BAR AND KITCHEN EQUIPMENT							●			●					FINAL CONNECTIONS BY PLUMBING AND ELECTRICAL CONTRACTOR.
SODA/BEER DISPENSER AND SODA LINES							●	●	●	●					CLIENT VENDOR TO PROVIDE SODA DISPENSER AND SODA LINES. TC IS RESPONSIBLE FOR PULLING CONDUIT AND VENDOR IS REPONSIBLE FOR RUNNING THE LINES. CLIENT VENDOR TO PROVIDE AND INSTALL BAG-IN-BOX AND SODA.
FOH BANQUETTE SEATING			●							●					PLTR FURNITURE VENDOR TO COORDINATE WITH TC. TC IS RESPONSIBLE FOR SUPPLY/INSTALL OF CHARGING RECEPTACLES AND INSTALLATION OF TILE BASE. PLTR FURNITURE VENDOR TO PROVIDE PLYWOOD BACKER FOR TILE BASE.
FOH DINING TABLES AND CHAIRS C/W UPHOLSTERY							●			●					TC TO COORDINATE WITH CLIENT (PLTR).
BACK BAR COUNTER, WINE DISPLAYS AND MILLWORK									●				●	●	TC TO COORDINATE WITH MC.
SIGNAGE & SPECIALITY:															
STOREFRONT SIGNAGE ASSEMBLY											●	●			ARTWORK BY CLIENT (PLTR). TC TO COORDINATE WITH SC
GRAPHICS											●	●			ARTWORK BY CLIENT (PLTR). TC TO PROVIDE WHITE PLAM PANELS TO ACCEPT APPLIED VINYL GRAPHICS
BARRICADE GRAPHICS											●	●			CLIENT (PLTR) TO PROVIDE GRAPHICS
TV MONITORS AND MOUNTING HARDWARE ACCESSORIES							●			●					CLIENT (PLTR) TO CONFIRM. TC TO PROVIDE CONCEALED BLOCKING AS REQUIRED.
ARTWORK C/W CUSTOM FRAMING									●	●					ARTWORK BY CLIENT (PLTR).
KITCHEN DISPLAY SYSTEM (FOR ORDER TICKETS)							●			●					TC TO COORDINATE WITH CLIENT (PLTR).
CHEF SCULPTURE							●			●					
PLANTERS/PLANTS							●			●					

Stantec

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Architect

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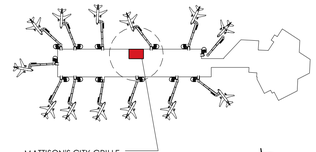
Notes



1	CONSTRUCTION CLARIFICATION	MM	JR	2024.01.15
Revision		By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION		MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT		NY/MM	JR	2024.08.05
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ISSUED FOR 30% CLIENT REVIEW		NY	JR	2024.04.22
Issued		By	Appd	YYYY.MM.DD

File Name: N/A — Dwn. — Dsgn. — Chkd. — YYYY.MM.DD

Permit/Seal

Client/Project Logo

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Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

RESPONSIBILITY SCHEDULE, ABBREVIATIONS & SYMBOLS

Project No.	Scale
144323181	N.T.S
Revision	Drawing No.
1	A001

ORIGINAL SHEET - ARCH D

CODE ANALYSIS

APPLICABLE CODES:

2023 FLORIDA BUILDING CODE 8TH EDITION
2023 FLORIDA BUILDING CODE 8TH EDITION, PLUMBING
2023 FLORIDA BUILDING CODE 8TH EDITION, MECHANICAL
2023 FLORIDA FIRE PREVENTION CODE
2023 FLORIDA BUILDING CODE 8TH EDITION, FUEL GAS
2023 FLORIDA BUILDING CODE 8TH EDITION, ENERGY CONSERVATION
2023 FLORIDA BUILDING CODE 8TH EDITION, EXISTING BUILDING
2023 FLORIDA BUILDING CODE 8TH EDITION, TEST PROTOCOLS FOR HIGH-VELOCITY HURRICANE ZONES
2023 FLORIDA BUILDING CODE 8TH EDITION, ACCESSIBILITY
2004 ADA ACCESSIBILITY GUIDELINES (ADAAG)
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN PER THE DOJ
ADA STANDARDS FOR TRANSPORTATION FACILITIES PER THE DOT
2020 NATIONAL ELECTRIC CODE (NFPA 70)
2023 FLORIDA FIRE PREVENTION CODE - 8TH EDITION BASED ON NFPA1, FIRECODE, 2021 & NFPA 101, LIFE SAFETY CODE 2021
2021 LIFE SAFETY CODE (NFPA 101) PER CMS AS ADAPTED BY FFPC
2019 SAFETY CODE FOR ELEVATORS AND ESCALATORS: ANSI - ASME A17.1

AIRPORT: SARASOTA BRADENTON INTERNATIONAL AIRPORT

PROJECT DESCRIPTION: INTERIOR ASSEMBLY NEW CONSTRUCTION WITHIN AN AIRPORT TERMINAL

MAJOR USE AND OCCUPANCY: TENANT SPACE: *ASSEMBLY - A2*

CONSTRUCTION TYPE: EXISTING TYPE *TYPE I-B PER FBC.*

OCCUPIED AREA: TENANT IMPROVEMENT TOTAL AREA: *1980* SF

OCCUPANCY LOAD

BAR AREA			
BAR COUNTER SEATING			
40'-8" COUNTER / 18" PER OCCUPANT			
+ 2 ACCESSIBLE		=	27 + 2
		=	29
FRONT COUNTER SEATING		=	
22'-8" COUNTER / 18" PER OCCUPANT			
+ 1 ACCESSIBLE		=	15 + 1
		=	16
TABLE SEATING		=	35
KITCHEN	881 SF / 100	=	9
TOTAL OCCUPANCY LOAD:		=	***89***

EXIT COUNTS: OCCUPANCY COUNT IS INCLUDED IN OVERALL BUILDING OCCUPANCY CALCULATIONS. EXIT ROUTES AVAILABLE THROUGH AND AS PART OF BUILDING EGRESS PLANNING.

WASHROOMS: PROVIDED IN BASE BUILDING

BARRIER-FREE DESIGN: ENTRANCES, FLOOR ACCESSIBILITY, WASHROOMS, ETC. PER BASE BUILDING

LIFE SAFETY: BASE BUILDING DETECTION ALARM, SIGNAGE AND EMERGENCY SYSTEM TO BE MODIFIED TO PROVIDE COVERAGE FOR TENANT SPACE

FLAME SPREAD, WALL CEILING & FLOOR FINISHES:

WALLS: 150 OR LESS
CEILINGS: 25 OR LESS, OR 150 IF MATERIAL IS <10% OF AREA
FLOORS: NOT LESS THAN CLASS II

FIRE PROTECTION: BASE BUILDING FULLY AUTOMATED, MONITORED WATERBASED SPRINKLER SYSTEM TO BE MODIFIED TO PROVIDE COVERAGE FOR TENANT SPACE

STRUCTURAL: NO STRUCTURAL ALTERATIONS ARE REQUIRED FOR THE BASE BUILDING

SEISMIC: DESIGN CATEGORY B

DEFERRED SUBMITTALS:

THE REGISTERED DESIGN PROFESSIONAL IN CHARGE SHALL BE RESPONSIBLE FOR REVIEWING AND COORDINATING SUBMITTAL DOCUMENTS PREPARED BY OTHERS, INCLUDING PHASED AND DEFERRED SUBMITTAL ITEMS FOR COMPATIBILITY WITH THE DESIGN OF THE BUILDING.

SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE, WHO SHALL REVIEW THEM AND FORWARD THEM TO PERMIT APPLICANT WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING.

THE APPLICANT SHALL SUBMIT THE DEFERRED SUBMITTAL AND REGISTRANTS NOTE TO THE BUILDING OFFICIAL.

DEFERRED SUBMITTALS INCLUDE THE FOLLOWING ITEMS:

1 SIGNAGE SHOP DRAWINGS
2 FIRE SPRINKLER
3 FIRE ALARM
4 KITCHEN HOOD & PCU FIRE SUPPRESSION SYSTEMS

EGRESS REQUIREMENTS

REQUIRED EGRESS WIDTH: CORRIDOR WIDTH: 20 FT MINIMUM MALL WIDTH (FBC 402.8.1.1)
TRAVEL DISTANCE LIMITATIONS:
- 200' FROM ANY POINT IN THE AIRPORT TO AN EXIT

REQUIRED EXIT WIDTH (FBC 1005.3, NFPA 101 7.3.3.1)
0.2"/PERSON FOR LEVEL COMPONENTS
0.3"/PERSON FOR STAIRS

TOTAL OCCUPANT X 0.2 = 16.8"
(MIN. CLEAR DOOR WIDTH PER 1010.1.1=32" MIN.)

EGRESS WIDTH PROVIDED: TENANT AREA
CLEAR OPENINGS AT 12'-0"

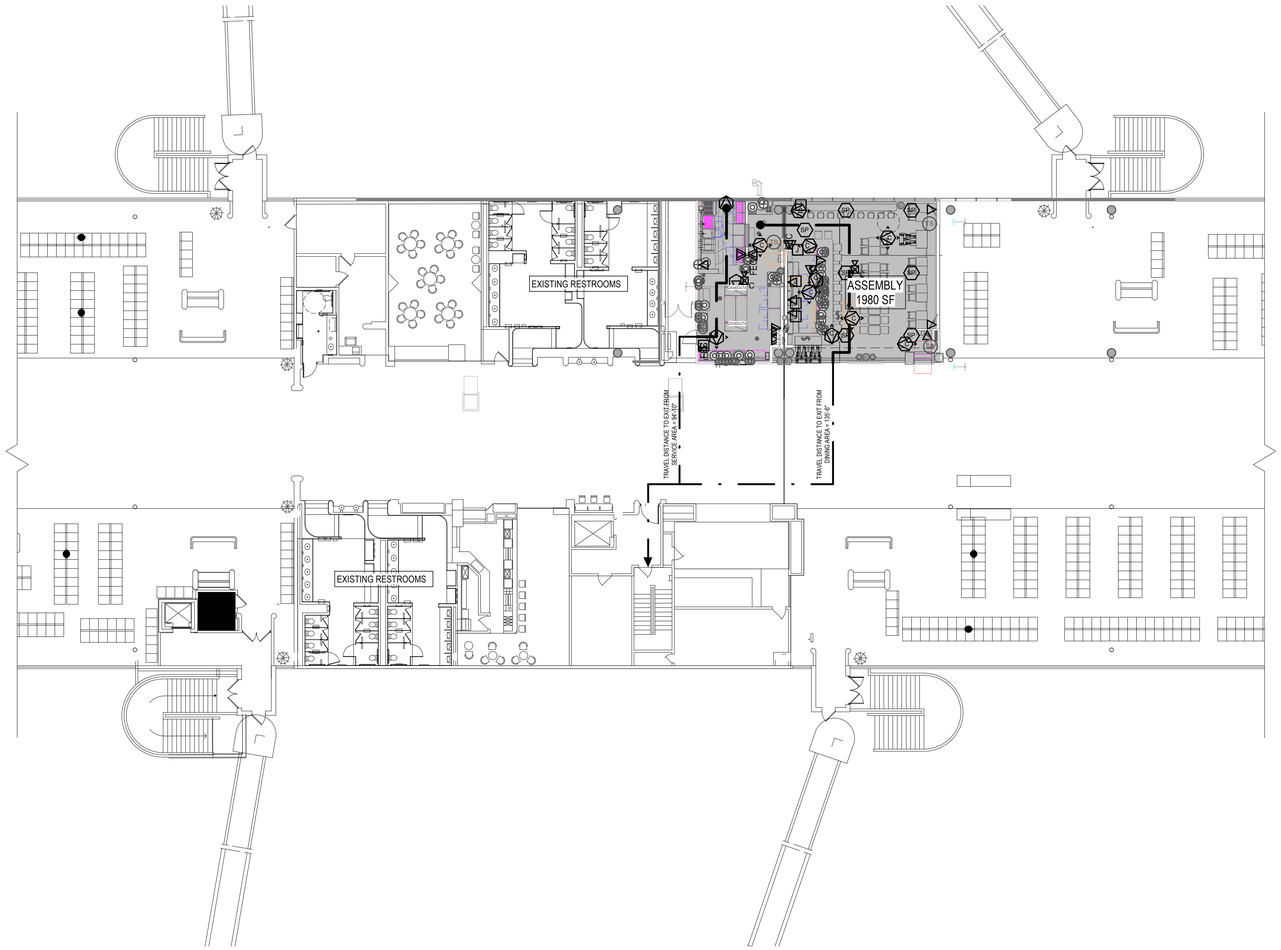
MAXIMUM TRAVEL DISTANCE ALLOWED: SHALL NOT EXCEED 200'
IBC TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE
GROUP A OCCUPANCY = 250 FEET W/ SPRINKLER SYSTEM

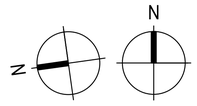
MAXIMUM TRAVEL DISTANCE TO CONCOURSE EMERGENCY EXIT: 135'-6"

EXITS REQUIRED: 2 EXITS (OCCUPANCY LOAD GREATER THAN 50 REQUIRES 2 EXITS)

EXITS PROVIDED: ASSEMBLY AREA - 2 EXITS PROVIDED

COMMON PATH OF TRAVEL: 75" MAXIMUM
LESS THAN 75' ACTUAL PATH





1 EGRESS PLAN - ASSEMBLY AT LEVEL 2

1/16" = 1'-0"

LEGEND

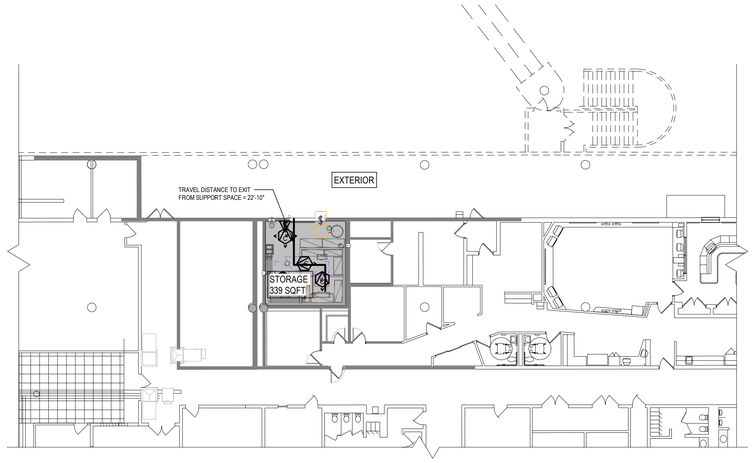
COMMON PATH OF TRAVEL (***code reference***) PER TABLE (***code reference***) FOR OCCUPANCY WITH AUTOMATIC SPRINKLER SYSTEM = 75 FEET ALLOWED

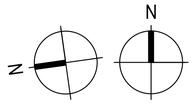
TRAVEL DISTANCE TO NEAREST EXIT

TRAVEL DISTANCE TO RESTROOMS (NO MORE THAN 500' -0" ALLOWED)

FIRE RESISTANCE RATINGS:

	REQUIRED HOURLY***	SHEET #	% WALL OPENING	DESIGN NO. FOR** RATED ASSEMBLIES
FLOOR ASSEMBLIES:	2 HR.			EXISTING
CEILING ASSEMBLIES:				N/A
FLOOR/CEILING ASSEMBLIES:	2 HR.			EXISTING
BEAMS:				N/A
COLUMNS, GIRDERS ETC.:	2 HR.			EXISTING
ROOF ASSEMBLY:				N/A
DEMISING WALLS:	1 HR.			EXISTING
CHASES-M.E.P. :	2 HR.			EXISTING





2 EGRESS PLAN - SUPPORT SPACE AT LEVEL 1

1/16" = 1'-0"

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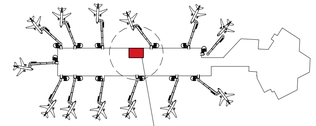
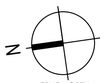
Notes





1	CODE COMMENTS	MY	JR	2024.10.17
Revision		By	Appd	YYYY.MM.DD
	ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
	ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
	ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
	ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22
Issued		By	Appd	YYYY.MM.DD

File Name: N/A

Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project
PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
EGRESS PLAN

Project No.	Scale
144323181	As indicated
Revision	Drawing No.
1	**A010**

UL Product iQ®

FLOOR ASSEMBLY - 2HR

BXUV.G701 - Fire-resistance Ratings - ANSI/UL 263

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. G701

October 17, 2017

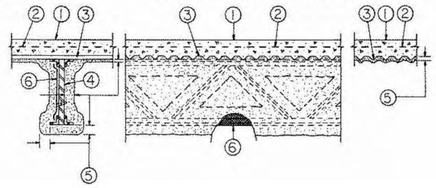
Restrained Assembly Ratings — 1, 1-1/2, 2 or 3 Hr (See Items 4, 4A, 5).

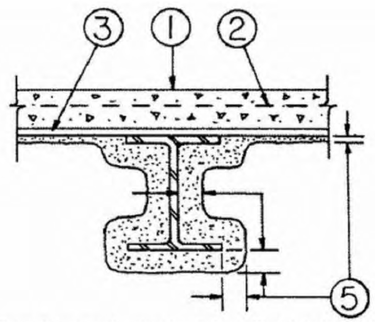
Unrestrained Assembly Ratings — 1, 1-1/2, or 2 Hr (See Items 1, 5).

Unrestrained Beam Ratings — 1, 1-1/2, 2 or 3 Hr (See Item 5).

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**





Beam — W8x28 min size. As alternate to steel beams, Joist girders — (Not Shown) — 20 in. min depth and 20 lb per lin ft min weight.

1. **Normal Weight or Lightweight Aggregate Concrete —** Normal weight, carbonate or siliceous aggregate concrete, 150 pcf unit weight, 3500 psi compressive strength, vibrated. Lightweight concrete, expanded shale, clay, or slate aggregate by rotary-kiln method, 117 pcf unit weight, 3500 psi compressive strength, vibrated, 2 oz air entrainment per bag of cement. For 1-1/2 and 2 hr assembly ratings, the 2-3/4 in. concrete topping thickness may be reduced to 2-1/2 in. when noncomposite joists are used. The Unrestrained Assembly Rating depends on the type of concrete aggregate and joist spacing as shown below.

	Unrestrained Assembly Rating Hr	
	Max Joist Spacing 3 Ft 6 In.	Joist Spacing Greater Than 3 Ft 6 In. OC
Lightweight aggregate	1-1/2 Hr.	1-1/2 Hr.
Normal Weight aggregate	2 Hr.	1-1/2 Hr.

2. **Welded Wire Fabric —** 6x6 — 8/8 SWG.

3. **Steel Form Units —** No. 28 MSG galv corrugated sheet steel min, 2-1/2 in. pitch and 1/2 in. depth of corrugations. Units welded to each joist, 36 welds per 100 sq ft of form units, with at least one weld at each joint.

Any manufacturer — Corrugated deck having a cross-section similar to above illustration.

4. **Steel Joists —** Min. 16K6 or heavier with min. 3/4 in. diam or larger cross sectional area for web members. As an alternate, any LH-Series steel joists spanning no greater than 60 ft may be used. For spans greater than 60 ft., LH-Series joists may be used provided that the deflection under their published total load shall not be greater than 1/277 of the joist span.

4A. **Horizontal Bridging —** (not shown) — Min 1-1/4x1-1/4x1/8 in. thick steel angles for use with noncomposite joists (Item 4). Number and spacing per Steel Joist Institute specifications. Welded to top and bottom chord of the joists. Min thickness of Spray-Applied Fire Resistive Materials on bridging angles is 1-1/2 in.

4B. **Composite Joists —** (Not Shown) — As an alternate to Items 4 and 4A, steel joists designed for full composite action with the concrete slab. Min. overall depth 13 in. Min area of joist members shall be 0.708 sq in. for top and bottom chord angles and 0.442 sq in. for web. Designed in accordance with SJI Specifications for K-Series joists as revised to November 15, 1989.

4C. **Structural Steel Members* —** (Not Shown) — As an alternate to 4, 4A and 4B — (Not Shown) — Composite joists with top chord embedded in concrete slab. Welded to end supports. Min area of joist members shall be 0.708 sq in. for top and bottom chord angles and 0.442 sq in. for web.

VESCOM STRUCTURAL SYSTEMS INC — Type V.

5. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in more than one coat to a final thickness as shown below to steel surfaces which must be free of dirt, loose scale and oil. Min avg and min ind density of 15/14 pcf respectively. Min avg and min ind density of 19/18 pcf respectively for Type 7GP and 7HD. For method of density determination, see Design Information Section, sprayed materials.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Min Spray Applied Fire Resistive Mtl Thkns In. Deck	Beam	Joist
1	1	1	1/2	7/16	1-1/2
1-1/2	1	1	1/2	7/16	1-1/2
1-1/2	1-1/2	1-1/2	1/2	3/4	1-1/2
2	1	1	1/2	7/16	1-1/2
2	1-1/2	1-1/2	1/2	3/4	1-1/2
2	2	2	1/2	1	1-1/2
3	1-1/2	1-1/2	1/2	3/4	1-1/2
3	2	2	1/2	1	1-1/2
3	2	3	1/2	1-5/16	—

GCP KOREA INC — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Monokote Acoustic 1 .

PYROK INC — Type LD.

SOUTHWEST FIREPROOFING PRODUCTS CO — Types 4, 5, 5EF, 5GP, 5MD, 7GP, 7HD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD.

GCP APPLIED TECHNOLOGIES INC — Types MK-4, MK-6/HY, MK-6s, Monokote Acoustic 1, RG.

5A. **Alternate Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in more than one coat to a final thickness as shown below to steel surfaces which must be free of dirt, loose scale and oil. Min avg and min ind density of 22/19 pcf, respectively. For method of density determination see Design Information Section, sprayed materials.

Restrained Assembly	Unrestrained Assembly	Unrestrained Beam	Min Spray Applied Fire Resistive Mtl Thkns In.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Min Spray Applied Fire Resistive Mtl Thkns In. Deck	Beam	Joist
1	1	1	5/8	7/16	1-1/2
1-1/2	1	1	5/8	7/16	1-1/2
1-1/2	1-1/2	1-1/2	5/8	3/4	1-1/2
2	1	1	5/8	7/16	1-1/2
2	1-1/2	1-1/2	5/8	3/4	1-9/16
2	2	2	5/8	1	1-9/16
3	1-1/2	1-1/2	15/16	3/4	1-9/16
3	2	2	15/16	1	1-9/16
3	2	3	15/16	1-5/16	—

GCP KOREA INC — Types Monokote Acoustic 5 , Z-106, Z-106/G, Z-106/HY.

GCP APPLIED TECHNOLOGIES INC — Types Monokote Acoustic 5 , Z-106, Z-106/G, Z-106/HY.

6. **Metal Lath —** (Optional) — Metal lath may be used to facilitate the spray application of Spray-Applied Fire Resistive Materials on steel bar joists and trusses. The diamond mesh, 3/8 in. expanded steel lath, 1.7 to 3.4 lb/sq yd is secured to one side of each steel joist with No. 18 SWG galv steel wire at joist web and bottom chord members, spaced 15 in. OC max. When used, the metal lath is to be fully covered with Spray-Applied Fire Resistive Materials with no min thickness requirements.

6A. **Nonmetallic fabric mesh —** (Optional, not shown) — As an alternate to metal lath, glass fiber mesh, weighing approximately 2.5 oz/sq yd, polypropylene fabric mesh, weighing approximately 1.25 oz/sq yd or equivalent, may be used to facilitate the spray application. The mesh is secured to one side of each joist web member. The method of attaching the mesh must be sufficient to hold the mesh and the spray-applied resistive material in place during application until it has cured. An acceptable method to attach the mesh is by embedding the mesh in minimum 1/4 in. long beads of hot melted glue. The beads of glue shall be spaced a maximum of 12 in. O.C. along the top chord of the bar joist. Another method to secure the mesh is by 1-1/4 in. long by 1/2 in. wide hairpin clips formed from No. 18 SWG or heavier steel wire.

7. **Metal Lath —** (Not Shown) — Where Type 7HD is applied to steel deck, 3/8 in. metal ribbed lath weighing 3.4 lb/yd^2 shall be secured to the underside of the steel deck (ribs upward) with S-12 by 3/8 in. long pan head, self-tapping steel screws spaced 12 in. OC in all directions. Steel screws shall be fitted with 1/2 in. diameter steel washers. Adjacent pieces of lath shall be overlapped 1 in. min.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2017-10-17

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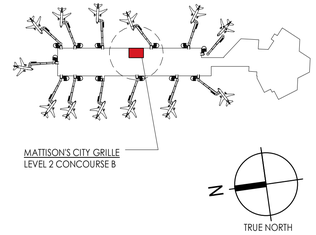


Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

UL FLOOR PENETRATION DETAILS

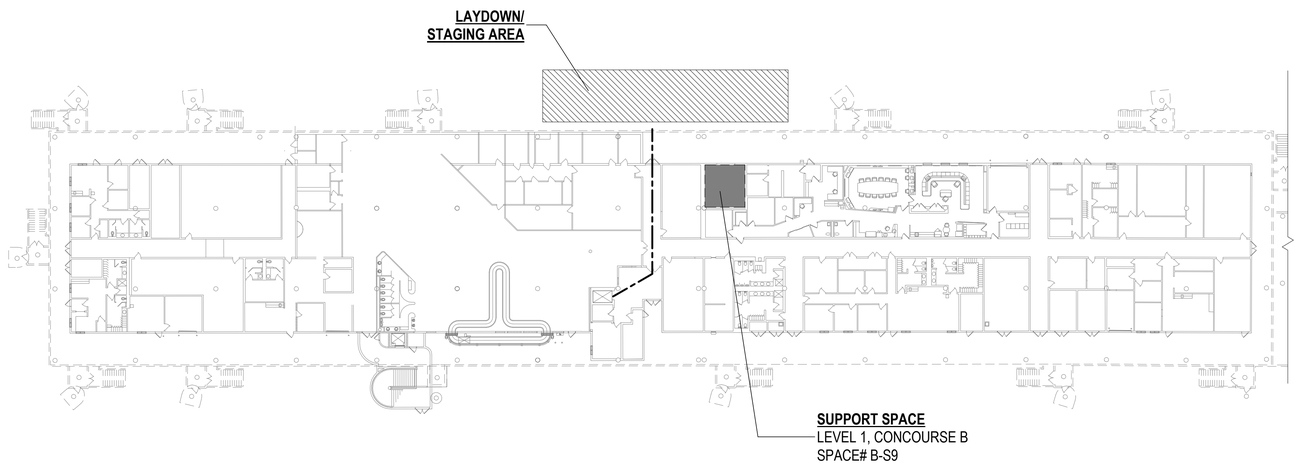
Project No. 144323181

Scale

Revision

Drawing No. **A011**

ORIGINAL SHEET - ARCH D



N
TRUE NORTH

1 LEVEL 1 - CONSTRUCTION ACCESS PLAN

1/32" = 1'-0"

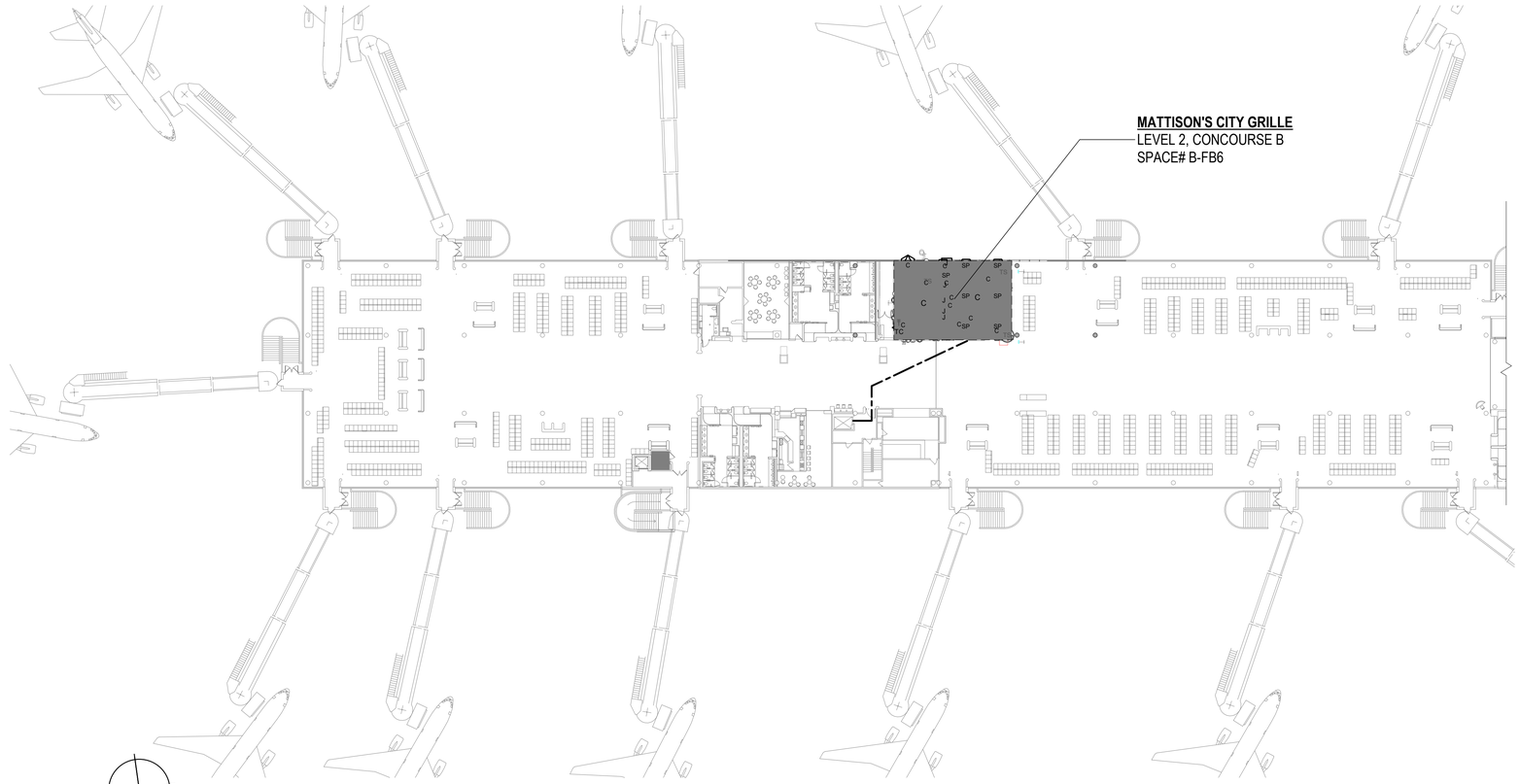
LEGEND

CONSTRUCTION ACCESS PATH

LAYDOWN/ STAGING AREA

NOTE:
TC TO CONFIRM FINAL STAGING LOCATION AND DETAILS WITH SRQ REPRESENTATIVE

TC TO SUBMIT TO AIRPORT A LAYDOWN PLAN C/W DIMENSIONS REQUIRED, FOR APPROVAL AHEAD OF MOBILIZATION.



N
TRUE NORTH

2 LEVEL 2 - CONSTRUCTION ACCESS PLAN

1/32" = 1'-0"

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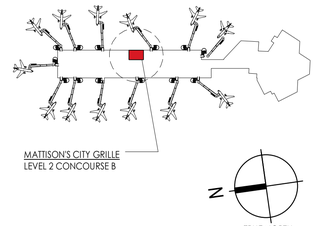

Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22

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File Name: N/A	Dwn.	Dsgn.	Chkd.

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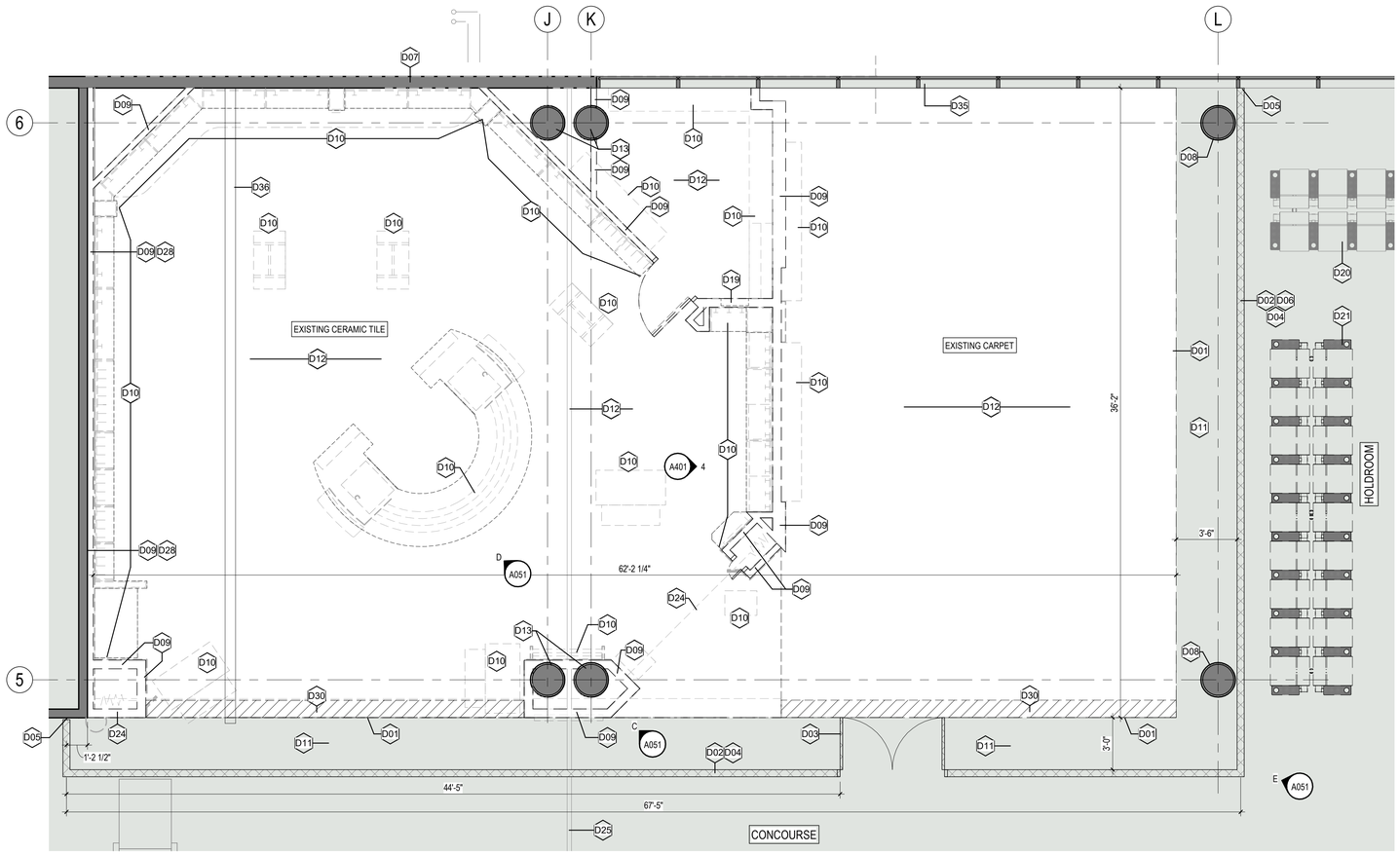
Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

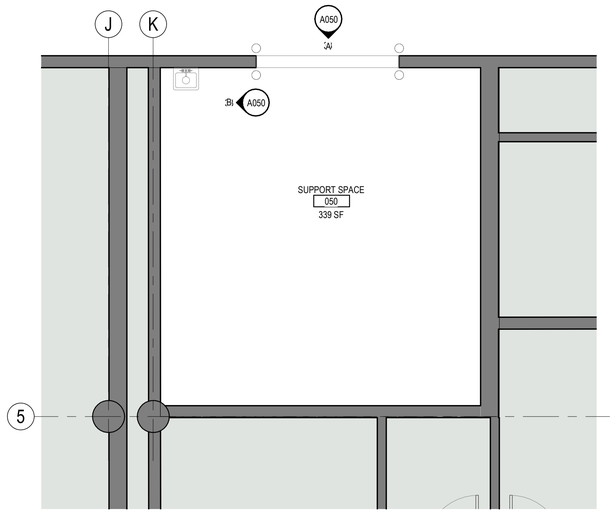
STAGING AND CONSTRUCTION ACCESS PLAN

Project No.	Scale
144323181	As indicated
Revision	**Drawing No.**
	A020



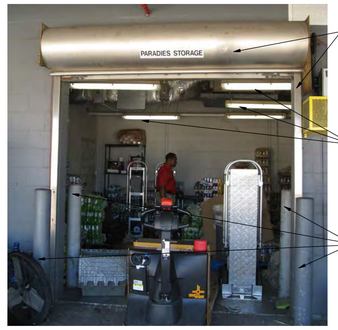
1 DEMOLITION PLAN

1/4" = 1'-0"



2 DEMOLITION PLAN - SUPPORT SPACE

1/4" = 1'-0"

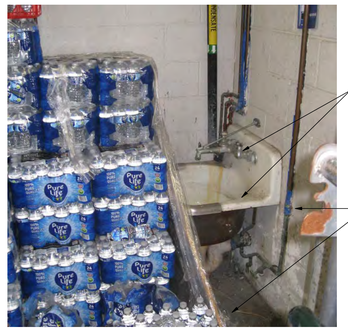


EXISTING OVERHEAD ROLLING DOOR TO REMAIN. TC TO CLEAN AS REQUIRED, AND ENSURE TO BE IN GOOD WORKING CONDITION.

ALL EXISTING LIGHT FIXTURES TO BE REUSED. REFER TO 2/A200 FOR NEW LAYOUT.

ALL EXISTING INTERIOR AND EXTERIOR BOLLARDS TO REMAIN.

(A) SUPPORT SPACE SITE REFERENCE PHOTO



EXISTING PLUMBING FIXTURES TO REMAIN. TC TO CLEAN AS REQUIRED, AND ENSURE TO BE IN GOOD WORKING CONDITION.

EXISTING WALLS AND FLOOR TO REMAIN AS IS. CLEAN AS REQUIRED AND PREPARE TO ACCEPT NEW EQUIPMENT.

(B) SUPPORT SPACE SITE REFERENCE PHOTO

DEMOLITION NOTES

A	TENANT CONTRACTOR TO COORDINATE AND CONFIRM DEMOLITION SCOPE OF WORK WITH AIRPORT AUTHORITY.
B	REFER TO MECHANICAL CONSULTANT DRAWINGS & ELECTRICAL CONSULTANT DRAWINGS FOR RELATED DEMOLITION WORK.
C	ALL EXISTING WALLS ARE TO BE PREPPED TO ACCEPT NEW FINISH. REFER TO SPEC.
D	REMOVE EXISTING FLOOR & EXPOSE CONCRETE FLOORING. EXISTING TENANT FLOORING UP TO TRANSITION TO MAIN CONCOURSE. TC TO PREP SURFACE AS REQUIRED TO ACCEPT NEW FLOOR FINISHES.
E	DO NOT REMOVE EXISTING FIRE ALARM SYSTEM / COMPONENTS WITHOUT COORDINATING WITH AIRPORT REPRESENTATIVE.
F	TENANT CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ITEMS AS INDICATED ON DRAWINGS.
G	SEE SPECIFICATIONS DIVISION 1 FOR CONSTRUCTION WASTE MANAGEMENT AND SECTION SELECTIVE DEMOLITION.
H	TENANT CONTRACTOR TO SUBMIT AND REVIEW BARRICADE PLAN WITH AIRPORT AUTHORITY PRIOR TO DEMOLITION.
I	ANY OLD CONDUITS, FEEDERS, CONDUITS, ELECTRICAL ETC., THAT ARE NO LONGER USED MUST BE REMOVED BACK TO SOURCE BY THE TENANT CONTRACTOR.
J	ANY EXISTING CORED PENETRATIONS THAT ARE NO LONGER IN USE SHALL BE IN-FILLED WITH CONCRETE BY TENANT CONTRACTOR.
K	TENANT CONTRACTOR IS REPONSIBLE TO REVIEW ANY WORK OUTSIDE OF LEASE LINE TO ENSURE WORK IS DONE PROPERLY AND TO AIRPORT AUTHORITIES SATISFACTION. NO CONSTRUCTION MATERIALS SHALL BE STORED AND LEFT BEHIND OUTSIDE OF LEASELINE UNLESS APPROVED BY AIRPORT AUTHORITY, INCLUDING CEILING SPACES.
L	TC TO REMOVE EXISTING CONCRETE SLAB TO PREP FOR NEW FINISHES AS REQUIRED.
M	EXISTING HEARING LOOP AND INDUCTIVE SYSTEM IN THE TENANT SPACE ARE TO BE REMOVED AND RELOCATED BY THE TENANT CONTRACTOR. CONFIRM WITH AIRPORT REPRESENTATIVE FINAL LOCATION.
N	ANY AIRPORT OWNED ITEMS ARE TO BE REVIEWED AND CONFIRMED BY THE TENANT CONTRACTOR WITH THE AIRPORT REPRESENTATIVE IF TO BE SALVAGED OR DISPOSED.

TEMPORARY BARRICADE NOTES

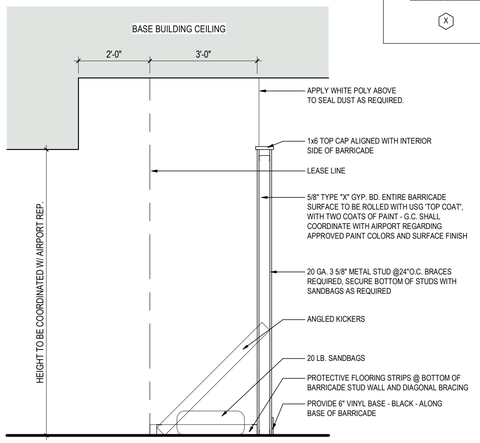
1	THE TENANT CONTRACTOR SHALL CONFIRM THE LOCATION AND LATEST SPECS OF THE REQUIRED CONSTRUCTION TEMPORARY BARRICADE WITH THE AIRPORT OR ITS DESIGNATED REPRESENTATIVE PRIOR TO COMMENCING WORK. TEMPORARY BARRICADE TO BE C/W WHITE POLY ABOVE TO SEAL DUST AS REQUIRED. EXISTING AIRPORT FLOORING TO BE PROTECTED BY PLY OR HARDBOARD ON 6 MIL. POLY. DO NOT AFFIX TEMPORARY BARRICADE TO AIRPORT FLOOR.
2	MAKE GOOD ALL EXISTING STRUCTURE AND/OR SURFACES DISTURBED BY TEMPORARY BARRICADE CONSTRUCTION TO ALLOW FOR APPLICATION OF NEW FINISHES.
3	CONFIRM FINAL BARRICADE LAYOUT WITH AIRPORT REPRESENTATIVE.
4	TC RESPONSIBLE FOR REMOVING THE BARRICADE WALL AT COMPLETION OF PROJECT. ANY DAMAGES INCURRED BY THE BARRICADE WALL TO BE PATCHED, FIXED OR REPLACED BY TC

KEYNOTE LEGEND

D01	LEASE LINE - TC TO CONFIRM WITH LANDLORD FOR FINAL LOCATION OF LEASE LINE
D02	TEMPORARY BARRICADE PARTITION - SEE TEMPORARY BARRICADE NOTES AND TYPICAL SECTION
D03	TEMPORARY DOOR/ OPENING FOR CONSTRUCTION ACCESS. (2X)3'-0" X 7'-0" LOCKABLE DOOR BY TENANT CONTRACTOR - PAINTED TO MATCH BARRICADE WALL. COPY OF KEYS TO THE LOCKABLE BARRICADE WALL DOOR TO BE PROVIDED TO THE AIRPORT AUTHORITY. TC SHALL COORDINATE WITH AIRPORT REGARDING ANY SPECIFIC LOCKING TYPE.
D04	SIGNAGE CONTRACTOR TO APPLY GRAPHICS TO THE PUBLIC AREA SIDE OF HOARDING WALL AND ACCESS DOORS
D05	DO NOT AFFIX BARRICADE PARTITION TO EXISTING BASE BUILDING
D06	TC TO COORDINATE TEMPORARY BARRICADE LOCATION WITH HOLDROOM OPERATIONS (AA) ON REQUIRED CIRCULATION CLEARANCE NEXT TO PERMANENT FURNITURE LAYOUT PRIOR TO COMMENCING WORK
D07	EXISTING BASE BUILDING DEMISING WALL TO REMAIN - MAKE READY FOR NEW FINISHES
D08	EXISTING BASE BUILDING STRUCTURAL COLUMN AND FINISH TO REMAIN
D09	EXISTING WALLS TO BE REMOVED
D10	EXISTING MILLWORK /EQUIPMENT /FURNITURE TO BE REMOVED. TC TO CONFIRM IF ITEMS ARE TO BE DISPOSED OR RETURNED TO OWNER
D11	EXISTING BASE BUILDING FLOOR FINISH TO REMAIN - PROTECT DURING CONSTRUCTION
D12	EXISTING FLOORING TO BE REMOVED COMPLETELY, INCLUDING THE EXPANSION JOINT COVER. PATCH AS REQUIRED AND PREPARE FLOOR TO ACCEPT NEW FLOOR FINISHES
D13	EXISTING COLUMN FINISH INCLUDING BASE TO BE REMOVED AND PREPARED AS NECESSARY TO RECEIVE NEW FINISHES
D19	EXISTING ELECTRICAL PANEL TO BE REMOVED - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
D20	EXISTING HOLDROOM SEATING TO REMAIN
D21	EXISTING HOLDROOM SEATING TO BE RELOCATED BY LANDLORD
D24	EXISTING SECURITY GRILLE SYSTEM TO BE REMOVED COMPLETELY.
D25	EXISTING EXPANSION JOINT COVER TO REMAIN.
D28	TC TO SITE VERIFY EXISTING BASE BUILDING WALL AND COORDINATE WITH AIRPORT FOR EXTENT OF DEMOLITION SCOPE
D30	DIAGONAL HATCH DENOTES PARTIAL DEMOLITION/ REMOVAL OF BASE BUILDING FLOOR FINISH (TERRAZZO) INSIDE THE LEASE LINE. EXTENT TO BE VERIFIED ON SITE
D35	TC TO PROTECT EXISTING ALUMINUM CURTAINWALL AND GLAZING DURING CONSTRUCTION.
D36	APPROXIMATE LOCATION OF NEW DEMISING WALL FOR REFERENCE.

DEMOLITION PLAN LEGEND

- NOT IN CONTRACT
- AREA IN CONTRACT
- EXISTING BASE BUILDING WALLS TO REMAIN
- EXISTING WALLS/ DOORS TO BE REMOVED
- TEMPORARY BARRICADE PARTITION
- (X) KEYNOTE



3 TYPICAL BARRICADE SECTION

1/2" = 1'-0"

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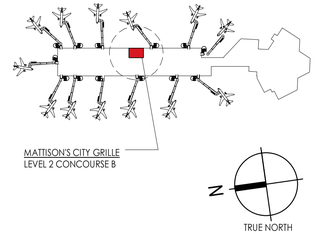
Notes



Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22

Issued

File Name: N/A	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

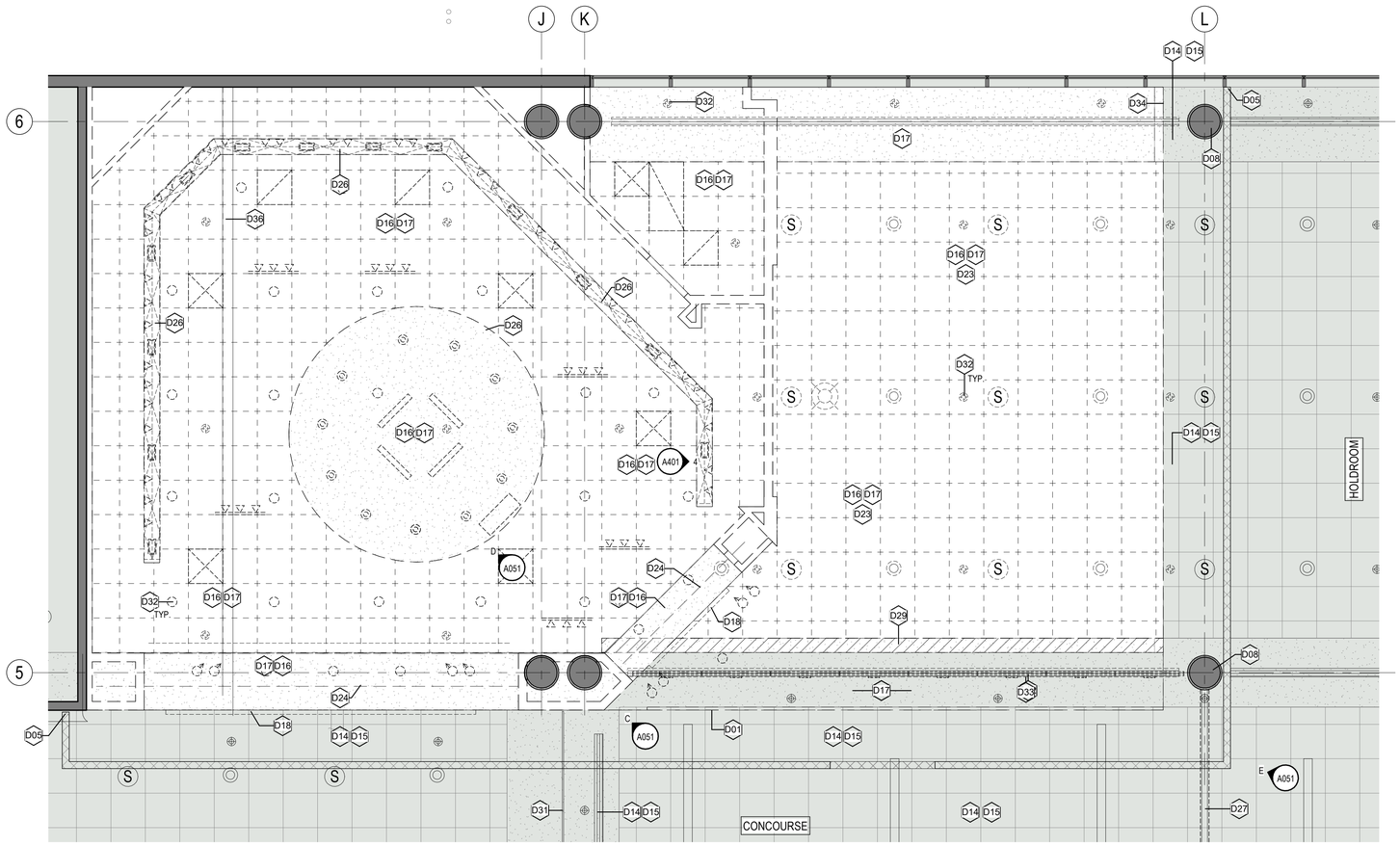
DEMOLITION PLAN

Project No.
144323181

Scale
As indicated

Revision

Drawing No.
A050



1 **CEILING DEMOLITION PLAN**

1/4" = 1'-0"

CEILING DEMOLITION NOTES

A	TENANT CONTRACTOR TO COORDINATE AND CONFIRM DEMOLITION SCOPE OF WORK WITH AIRPORT AUTHORITY.
B	REFER TO MECHANICAL CONSULTANT DRAWINGS & ELECTRICAL CONSULTANT DRAWINGS FOR RELATED DEMOLITION WORK.
C	ALL EXISTING WALLS ARE TO BE PREPPED TO ACCEPT NEW FINISH. REFER TO SPEC.
D	DO NOT REMOVE EXISTING FIRE ALARM SYSTEM / COMPONENTS WITHOUT COORDINATING WITH AIRPORT REPRESENTATIVE.
E	TENANT CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ITEMS AS INDICATED ON DRAWINGS.
F	SEE SPECIFICATIONS DIVISION 1 FOR CONSTRUCTION WASTE MANAGEMENT AND SECTION SELECTIVE DEMOLITION.
G	TENANT CONTRACTOR TO SUBMIT AND REVIEW BARRICADE PLAN WITH AIRPORT AUTHORITY PRIOR TO DEMOLITION.
H	ANY OLD CONDUITS, FEEDERS, CONDUITS, ELECTRICAL ETC., THAT ARE NO LONGER USED MUST BE REMOVED BACK TO SOURCE BY THE TENANT CONTRACTOR.
I	ANY EXISTING CORED PENETRATIONS THAT ARE NO LONGER IN USE SHALL BE IN-FILLED WITH CONCRETE BY TENANT CONTRACTOR.
J	TENANT CONTRACTOR IS REPONSIBLE TO REVIEW ANY WORK OUTSIDE OF LEASE LINE TO ENSURE WORK IS DONE PROPERLY AND TO AIRPORT AUTHORITIES SATISFACTION. NO CONSTRUCTION MATERIALS SHALL BE STORED AND LEFT BEHIND OUTSIDE OF LEASELINE UNLESS APPROVED BY AIRPORT AUTHORITY, INCLUDING CEILING SPACES.
K	TC TO PATCH/REPAIR ALL AFFECTED SURFACES AS REQUIRED.

KEYNOTE LEGEND

D01	LEASE LINE - TC TO CONFIRM WITH LANDLORD FOR FINAL LOCATION OF LEASE LINE
D05	DO NOT AFFIX BARRICADE PARTITION TO EXISTING BASE BUILDING
D08	EXISTING BASE BUILDING STRUCTURAL COLUMN AND FINISH TO REMAIN
D14	EXISTING CEILING TO REMAIN - PROTECT DURING CONSTRUCTION
D15	EXISTING DIFFUSERS, SPRINKLER HEADS, SPEAKERS, AND LIGHT FIXTURES TO REMAIN, REFER TO ELECTRICAL AND MECHANICAL DRAWINGS
D16	EXISTING CEILING AND/ OR BULKHEAD TO BE REMOVED COMPLETELY.
D17	EXISTING DIFFUSERS, SPEAKERS, AND LIGHT FIXTURES (INCLUDING JUNCTION BOXES AND CONDUITS)TO BE REMOVED, REFER TO ELECTRICAL AND MECHANICAL DRAWINGS
D18	EXISTING TENANT SIGNAGE TO BE REMOVED. TC TO CONFIRM IF ITEMS ARE TO BE DISPOSED OR RETURNED TO OWNER
D23	TC TO COORDINATE WITH AIRPORT FOR THE REMOVAL OF EXISTING T-COIL SYSTEM ABOVE CEILING.
D24	EXISTING SECURITY GRILLE SYSTEM TO BE REMOVED COMPLETELY.
D26	TC TO REMOVE EXISTING CEILING FEATURES (TRIANGULAR TRUSS SYSTEM AND CURVED STEEL TUBE ABOVE CASHWRAP) COMPLETELY; INCLUDING SIGNAGE, TV SCREENS AND BRACKETS.
D27	TC TO WORK AROUND EXISTING WAYFINDING SIGNAGE AND NOT DAMAGE
D29	DIAGONAL HATCH DENOTES PARTIAL DEMOLITION OF BASE BUILDING BULKHEAD
D31	EXISTING CEILING SLIP JOINT TO REMAIN.
D32	ALL AFFECTED SPRINKLER HEADS TO BE RELOCATED TO SUIT NEW LAYOUT.
D33	EXISTING LINEAR DIFFUSER TO BE DECOMMISSIONED.
D34	TC TO PATCH/ CAP THE EXTENTS OF DEMOLITION OF EXISTING BASE BUILDING BULKHEAD, FINISH TO MATCH EXISTING
D36	APPROXIMATE LOCATION OF NEW DEMISING WALL FOR REFERENCE.

DEMOLITION PLAN LEGEND

- NOT IN CONTRACT
- AREA IN CONTRACT
- EXISTING BASE BUILDING WALLS TO REMAIN
- EXISTING WALLS/ DOORS TO BE REMOVED
- TEMPORARY BARRICADE PARTITION
- (X) KEYNOTE

EXISTING BASE BUILDING BULKHEAD TO BE PARTIALLY DEMOLISHED TO ACCOMMODATE NEW STOREFRONT BULKHEAD FRAMING SUPPORT.

EXISTING TENANT TV SCREENS, COOLER TO BE REMOVED. TC TO CONFIRM IF ITEMS ARE TO BE DISPOSED OR RETURNED TO OWNER.

EXISTING TENANT WALLS AND BULKHEAD TO BE REMOVED

EXISTING TENANT STOREFRONT BULKHEAD, SIGNAGE AND BLADE SIGN TO BE REMOVED

EXISTING BASE BUILDING FLOOR FINISH AND EXPANSION JOINT COVER TO REMAIN. PROTECT DURING CONSTRUCTION

Ⓒ SITE REFERENCE PHOTO

EXISTING TENANT CEILING, CEILING FIXTURES AND CEILING FEATURE TO BE REMOVED

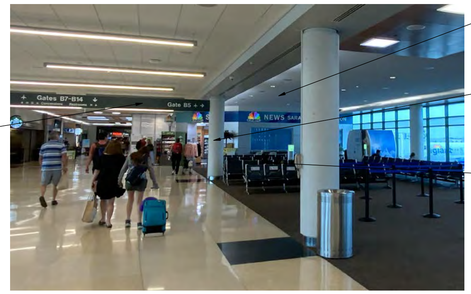
TC TO COORDINATE WITH AIRPORT FOR THE REMOVAL OF EXISTING T-COIL SYSTEM ABOVE CEILING.

TC TO REMOVE AND DISPOSE EXISTING BASE BUILDING WAYFINDING SIGNAGE

ALL EXISTING TENANT WALL FIXTURES, MILLWORK AND EQUIPMENT TO BE REMOVED

EXISTING TENANT FLOOR AND WALL FINISHES TO BE REMOVED

Ⓓ SITE REFERENCE PHOTO



EXISTING BASE BUILDING CEILING INSIDE THE LEASE LINE TO BE REMOVED.

EXISTING BASE BUILDING STRUCTURAL COLUMN AND FINISH TO REMAIN.

EXISTING HOLDROOM SEATING TO BE RELOCATED BY LANDLORD

Ⓔ SITE REFERENCE PHOTO

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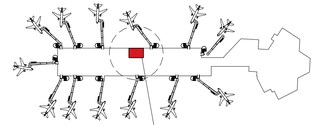
Notes



MATTISON'S CITY GRILLE
LEVEL 2 CONCOURSE B

N

TRUE NORTH

Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

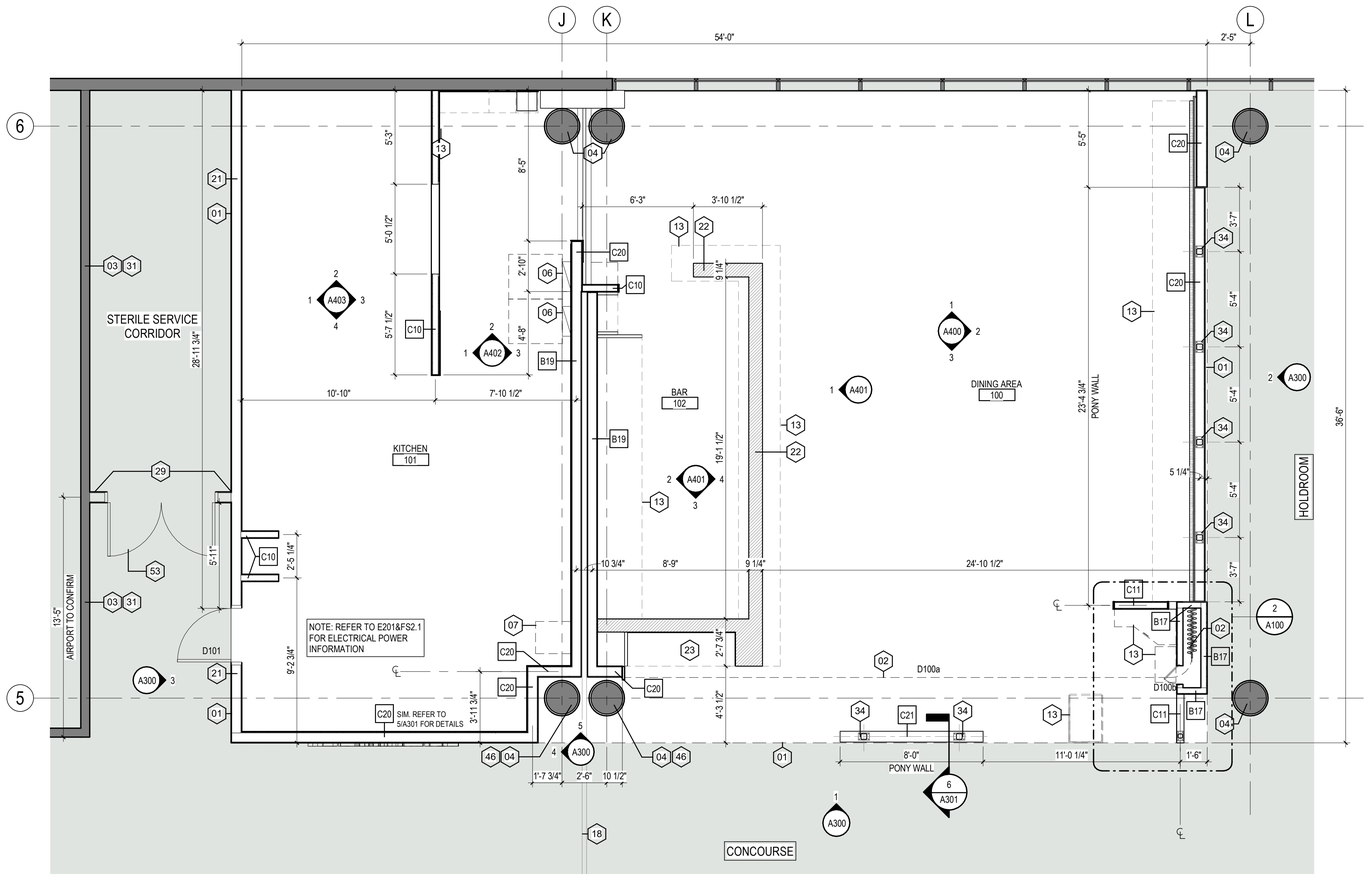
CEILING DEMOLITION PLAN

Project No. 144323181

Scale As indicated

Revision

Drawing No. **A051**



GENERAL CONSTRUCTION NOTES

A	THE TENANT CONTRACTOR IS TO LAYOUT ALL WORK ON SITE AND CONFIRM LAYOUT WITH THE AIRPORT PRIOR TO THE SETTING OF WALL PLATES, CORING AND CUTTING.
B	REFER TO ELECTRICAL, MECHANICAL, STRUCTURAL AND KITCHEN CONSULTANTS DRAWINGS AND SPECIFICATIONS FOR ALL RELATED WORK.
C	THE TENANT CONTRACTOR IS TO ENSURE THAT THE TRANSITION BETWEEN THE TENANT FLOOR FINISH AND THE BASE BUILDING FLOOR FINISH MEETS ALL APPLICABLE CODE REQUIREMENTS AND THE TENANT FLOOR FINISH, TRANSITION AND BASE BUILDING FLOOR FINISH ARE FLUSH AND SHALL BE FLUSH WITH EACH OTHER. TC TO PREP AS REQUIRED
D	ALL DIMENSIONS ARE TO FACE OF FINISHED MATERIAL UNLESS OTHERWISE NOTED. USE WRITTEN DIMENSIONS. DO NOT SCALE DRAWINGS.
E	ALL GWB TO BE 5/8" TYPE 'X', UNLESS OTHERWISE NOTED.
F	ALL MEDIUM DENSITY FIBERBOARD (MDF) & PLYWOOD TO BE FIRE RETARDANT TREATED 3/4" THICK UNLESS OTHERWISE NOTED.
G	TENANT CONTRACTOR IS TO MAINTAIN AND REPAIR ALL SPRAY ON AND GYPSUM BOARD FIRE PROTECTION FOR ADJACENT SPACES, STRUCTURE AND ROOF WHERE DISTRUBED, ALTERED, OR DAMAGED TO MAINTAIN EXISTING RATINGS. (IF APPLICABLE)
H	TENANT CONTRACTOR SHALL SCAN FLOOR PRIOR TO MAKING PENETRATIONS. FERRORESONANT SCAN, X-RAY OR SIMILAR TECHNOLOGY SHALL BE UTILIZED.
I	ALL MILLWORK DRAWINGS ARE SOLELY FOR EXPRESSING DESIGN INTENT, AND ARE NOT TO BE USED FOR ACTUAL FABRICATION. FABRICATOR IS REQUIRED TO PROVIDE SHOP DRAWINGS FOR WRITTEN APPROVAL PRIOR TO FABRICATION. COORDINATE ALL WORK WITH MECHANICAL AND ELECTRICAL SUBCONTRACTOR. VERIFY SIZES AND PLACEMENT OF ALL EQUIPMENT WITH TENANT PRIOR TO FABRICATION. BLACK MELAMINE TO NON-EXPOSED INTERIOR SURFACES UNLESS OTHERWISE NOTED.
J	MILLWORK CONTRACTOR TO COORDINATE CONCEALED BAR CONDUIT FLOOR LOCATION WITH ELECTRICAL CONTRACTOR AND MILLWORK CONTRACTOR.
K	COMBUSTIBLE CONSTRUCTION IS NOT ALLOWED TO PENETRATE FIRE RATED ASSEMBLIES.
L	ALL WORK SHALL COMPLY WITH NFPA101.
M	FOOD PREPARATION/SERVERY AND SINK AREAS MUST HAVE CEMENT BOARD, OR OTHER WATER RESISTANT MATERIAL, EXTENDING FROM THE FLOOR UP TO 12" A.F.F. TO ACCEPT WATERPROOFING MEMBRANE. WATER RESISTANT DRYWALL OR OTHER WATER RESISTANT SUBSTRATE COMPATIBLE WITH THE FINISH MATERIAL SHOULD BEGIN AT THE CEMENT BOARD 12" A.F.F. AND IS REQUIRED ON ALL WALLS IN APPLICABLE AREAS. REFER TO SECIFICATION PAGES.
N	TENANT CONTRACTOR TO SUBMIT A SAFETY WORK PLAN, FALL PROTECTION PLAN AND IIPP BEFORE CONSTRUCTION BEGINS.
O	G.C. TO REVIEW ALL SLAB PENETRATIONS WITH AIRPORT PRIOR TO CUTTING AND CORING. AIRPORT REVIEW AND APPROVAL IS REQUIRED.

KEYNOTE LEGEND

01	LEASE LINE - TC TO CONFIRM WITH LANDLORD FOR FINAL LOCATION OF LEASE LINE PRIOR TO START OF CONSTRUCTION
02	LINE OF NEW SLIDING SECURITY GRILLE C/W TRACK AND SUPPORTS. TC TO COORDINATE, FEILD VERIFY DIMENSIONS AND ENSURE SECURITY GRILLE IS OPERABLE. TC TO SUBMIT DRAWINGS FOR APPROVAL.
03	BASE BUILDING DEMISING WALL
04	BASE BUILDING STRUCTURAL COLUMN
06	ELECTRICAL PANEL - REFER TO ELECTRICAL CONSULTANT'S DRAWINGS.
07	I.T. EQUIPMENT RACK - MINIMUM 7'-2 1/2" AFF. CONFIRM FINAL LOCATION WITH CLIENT PRIOR TO INSTALLATION.
13	MILLWORK UNIT / BAR COUNTER / BANQUETTE SEATING SHOWN IN DASHED LINE
18	EXISTING BASE BUILDING EXPANSION JOINT TO REMAIN.
21	NEW DEMISING WALL BY TC. WALL ASSEMBLY AND FIRE RESISTANCE RATING TO BE CONFIRMED
22	HATCHED AREA DENOTES DIE WALL/ BAR SUPPORT - REFER TO A500 SHEETS FOR DETAILS
23	ADA / ACCESSIBLE COUNTER AND TABLE - ENSURE MINIMUM LOCAL ACCESSIBILITY CODE REQUIREMENTS ARE FOLLOWED
29	TC TO PROVIDE SOUTH CORRIDOR WALL FRAMING, SOUTH FACING SHEATHING, AND SOUTH FACING WALL FINISH. LEAVE NORTH FACE OF WALL UNSHEATHED. AIRPORT TO SHEATH AND FINISH NORTH FACE OF WALL.
31	EXISTING CONDITION OF WALL TO BE SITE VERIFIED TO DETERMINE IF SHEATHING AND NEW FINISH IS REQUIRED. RESPONSIBILITY AND SCOPE BY AIRPORT.
34	TC TO PROVIDE STRUCTURAL SUPPORT FOR PONY WALL. REFER TO 6/A301 FOR DETAILS .
46	TC TO INSTALL NEW WALL TILES AND FLOOR TILES AROUND THE EXISTING BASE BUILDING COLUMNS IN EARLIER STAGE PRIOR TO INSTALLING THE DRYWALL PARTITION. COVER AND PROTECT NEW TILES AS REQUIRED.
50	TC TO PROVIDE DOUBLE STUDS AT EACH END OF THE PONY WALLS.
53	AIRPORT TO SUPPLY AND INSTALL DOOR. TC TO COORDINATE OPENING WITH AIRPORT.

PARTITION SCHEDULE

TYPE	OVERALL WIDTH	GWB Thickness	FRAMING SIZE	TOP	BOTTOM	STUDS TO STRUCTURE	GWB TO STRUCTURE	INSULATION TO STRUCTURE	FIRE RATING	SOUND INSULATION	STC RATING	NOTES
Group B - Material, Stud												
B17	4 1/4"	5/8"	3 5/8"	TB2	BB1	Yes	No	No		No	0	
B19	6 5/8"	5/8"	6"	TB2	BB1	Yes	No	No		No	0	GWB PANEL UNLESS NOTED OTHERWISE. TC TO PROVIDE CEMENTITIOUS BACKER BOARD WHERE WALL TILE IS APPLIED - TYPICAL
Group C - Material, Stud, Material												
C10	4 7/8"	5/8"	3 5/8"	TC2	BC1	Yes	No	No		No	40	
C11	4 7/8"	5/8"	3 5/8"	-	BC1	No	No	No		No	49	REFER TO ELEVATIONS FOR PONYWALL HEIGHT
C20	7 1/4"	5/8"	6"	TC2	BC1	Yes	No	No		No	40	GWB PANEL UNLESS NOTED OTHERWISE. TC TO PROVIDE CEMENTITIOUS BACKER BOARD WHERE WALL TILE IS APPLIED - TYPICAL
C21	7 1/4"	5/8"	6"	-	BC1	No	No	No		No	0	REFER TO ELEVATIONS FOR PONYWALL HEIGHT

DOOR SCHEDULE

No.	Room Name	Rm. No.	Door							Frame			Opening	Comments
			Clear Dim.		Thickness	Type	Mat'l	Finish	HDWR Set	Type	Mat'l	Finish	Glaz	
			Width	Height										
D100a	STOREFRONT OPENING		13'-3 1/2"	8' - 9 3/4"		SG	-	-	-	-	-	-		NEW SECURITY GRILLE - ALUMATEC, ST-12 OPEN PATTERN SIDE-FOLDING ACCORDION DOOR. CLEAR SATIN ANODIZED. COORDINATE INSTALLATION & VERIFY FIELD DIMS FOR SECURITY GRILLE TO BE OPERABLE. REFER TO STRUCTURAL DWGS FOR FRAMING DETAILS.
D100b	DINING AREA	100	1'-0"	8' - 11 3/4"	3/4"	F	MDF	PL-3	1	1	-	-	-	NEW POCKET DOOR
D101	KITCHEN	101	3'-0"	7' - 0"	1 3/4"	F	ALUM	PT-1	2	1	HM	PT-1		NEW KITCHEN DOOR

HARDWARE SCHEDULE

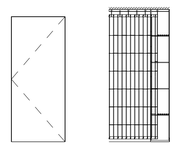
QTY.	HARDWARE	MANUFACTURER	MODEL	FINISH	COMMENTS
GROUP 1					
3 EA	HINGES	STANLEY	600 SERIES: 1 1/2" X LENGTH TO SUIT	C32D	
1 EA	DOOR PULL	RICHELIEU	RECESSED DOOR PULL - 4851	175	
1 EA	CLOSER	STANLEY	DOUBLE MAGNETIC CABINET CATCHES PER DOOR	CLASS CD45 EDP #805180	
GROUP 2					
3 EA	HINGES	STANLEY	600 SERIES: 1 1/2" X LENGTH TO SUIT	C32D	
1 EA	DOOR CLOSER	LCN	LCN 1461 RW/PA PS1 COVER	689	MOUNT ON KITCHEN SIDE
1 EA	LOCKSET	DORMAKABA	SIMPLEX 8100	626	INCLUDE CORBIN RUSSWIN 6-PIN IC CORE WITH AN L4 KEY PATTERN IN THE HANDLE.
1EA	KICKPLATE	IVES	8400-84E-36" X WIDTHLESS 1 1/2"	630	HEIGHT TO MATCH SURROUNDING BASE. INSTALLED ON PUSH SIDE

PARTITION PLAN LEGEND

- NOT IN CONTRACT
- AREA IN CONTRACT
- EXISTING BASE BUILDING
- (X) KEYNOTE

DOOR PANEL TYPES

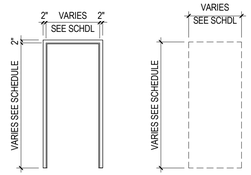
NOTE: REFER TO DOOR SCHEDULES FOR DOOR HEIGHTS AND WIDTHS



F — FLUSH

SG — SECURITY GRILLE

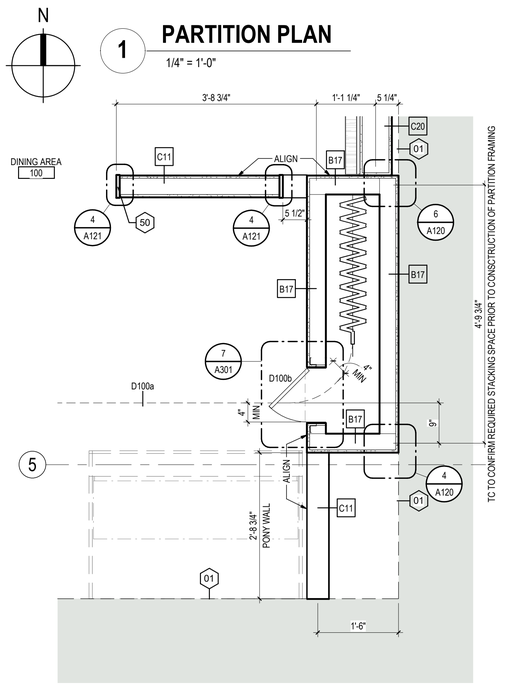
FRAME TYPES



1 2

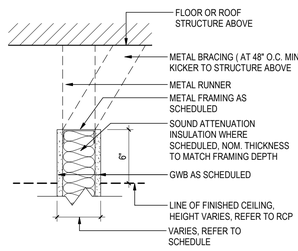
1 PARTITION PLAN

1/4" = 1'-0"



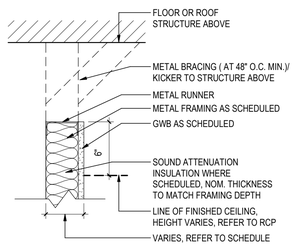
2 STOREFRONT PLAN DETAIL

3/4" = 1'-0"



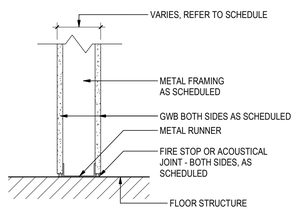
3 TOP TC2

NTS



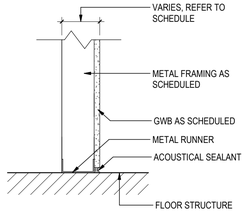
4 TOP TB2

NTS



5 BASE BC1

NTS



6 BASE BB1

NTS

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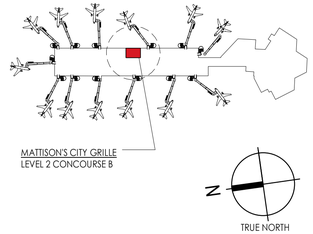
Notes



1	BID CLARIFICATION	NY	JR	2024.08.20

Revision

		By	Appd	YYYY.MM.DD
	ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
	ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
	ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
	ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22

Issued

By	Appd	YYYY.MM.DD

File Name: N/A

Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

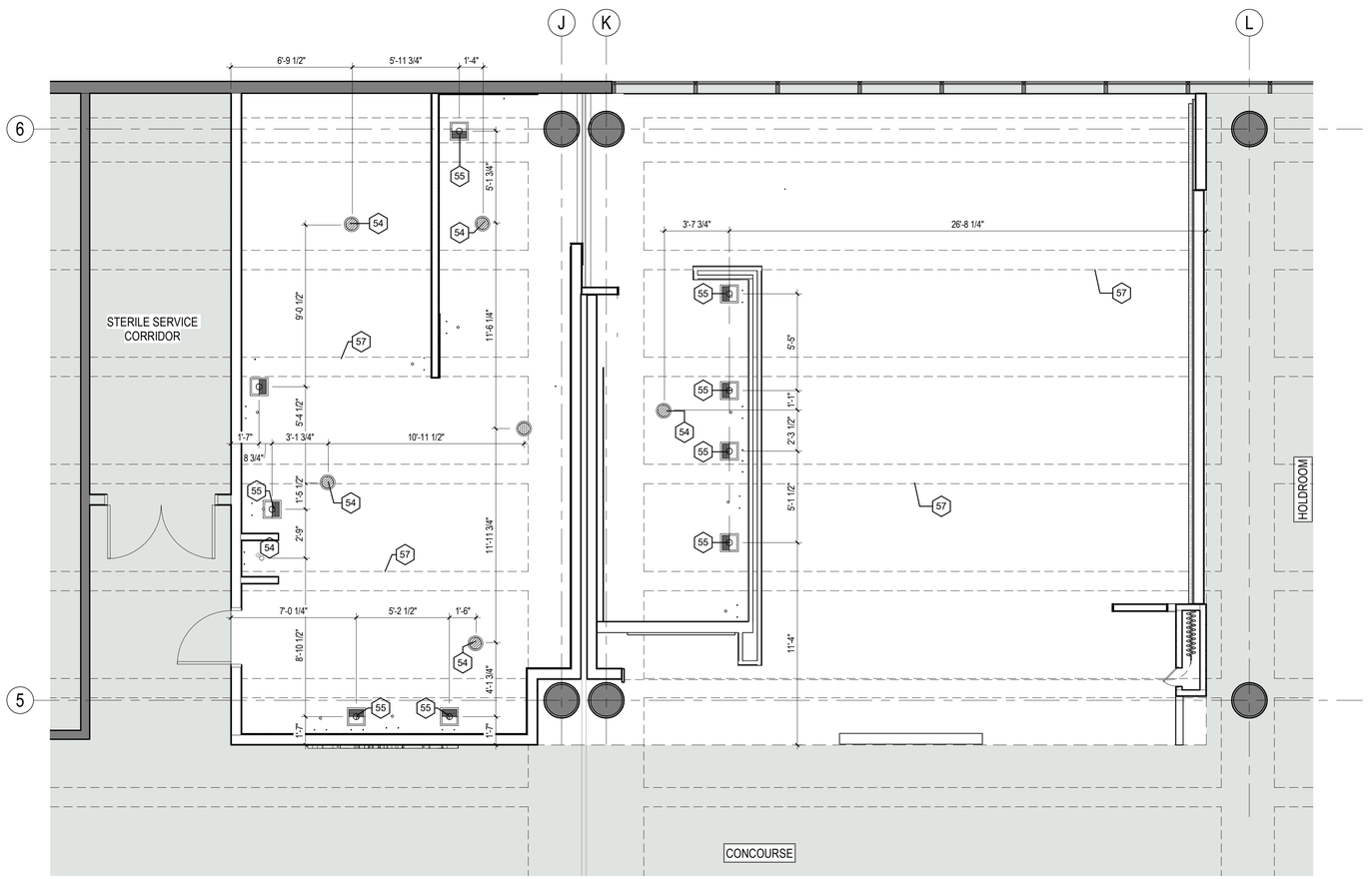
Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

PARTITION PLAN

Project No.	Scale
144323181	As indicated
Revision	Drawing No.
1	A100

ORIGINAL SHEET - ARCH D



1 PENETRATION PLAN

1/4" = 1'-0"

GENERAL PENETRATION NOTES

A	TC TO FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT OF RECORD AND PLTR MANAGER OF ANY KNOWN DISCREPANCIES PRIOR TO CONSTRUCTION.
B	TC TO COORDINATE WITH SPECIFIC TRADES AND SITE CONDITION TO DETERMINE ACTUAL TRENCHING LAYOUT AS REQUIRED.

KEYNOTE LEGEND

54	FLOOR DRAIN LOCATION.
55	FLOOR SINK LOCATION. REFER TO PLUMBING PLAN AND DETAILS FOR MORE INFORMATION.
57	HIDDEN LINE DENOTES APPROXIMATE LOCATION OF CONCRETE BEAM BELOW.

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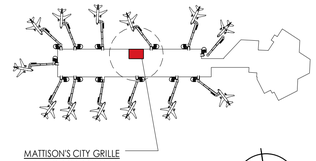

MATTISON'S CITY GRILLE
LEVEL 2 CONCOURSE B

N

TRUE NORTH

Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22

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File Name: N/A	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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Mattison's City Grille

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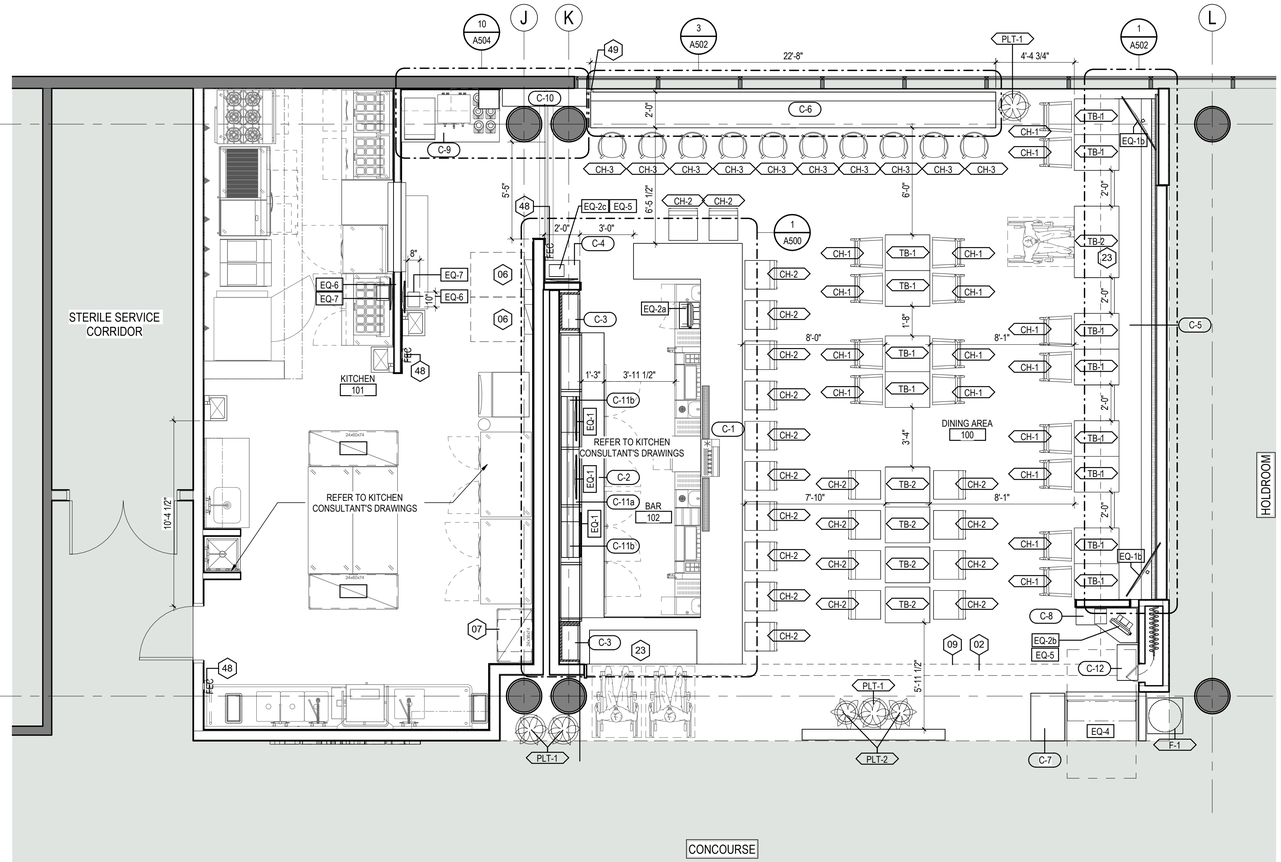
Title

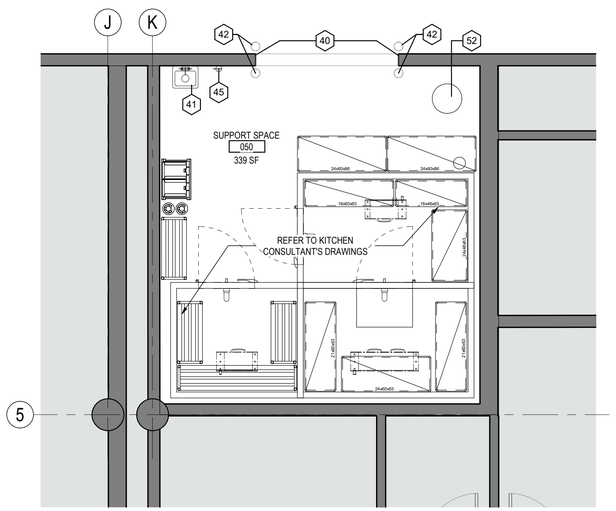
PENETRATION PLAN

Project No.	Scale
144323181	1/4" = 1'-0"
Revision	Drawing No.
	A101



1 FURNITURE & EQUIPMENT PLAN

1/4" = 1'-0"



2 FURNITURE & EQUIPMENT PLAN - SUPPORT SPACE

1/4" = 1'-0"

GENERAL MILLWORK NOTES

A	ALL MERCHANDISE FIXTURES, CASHWRAP AND FURNITURE TO BE INSTALLED BY TENANT CONTRACTOR U.N.O.
B	TENANT CONTRACTOR TO VERIFY, SUPPLY AND INSTALL ALL IN-WALL BLOCKING REQUIREMENTS FOR WALL FIXTURE INSTALLATION W/ FIXTURE VENDOR.
C	TENANT CONTRACTOR TO UNCRATE, ASSEMBLE AND PLACE ALL FLOOR FIXTURES.
D	ALL MILLWORK DRAWINGS ARE SOLELY FOR EXPRESSING DESIGN INTENT AND ARE NOT TO BE USED FOR ACTUAL FABRICATION. FABRICATOR IS REQUIRED TO PROVIDE SHOP DRAWINGS FOR WRITTEN APPROVAL PRIOR TO FABRICATION. COORDINATE ALL WORK WITH ELECTRICAL SUBCONTRACTOR. VERIFY SIZES AND PLACEMENT OF ALL EQUIPMENT WITH OWNER PRIOR TO FABRICATION.
E	REFER TO ELECTRICAL AND MECHANICAL CONSULTANTS DRAWINGS AND SPECIFICATIONS FOR ALL RELATED WORK.
F	ALL DIMENSIONS ARE TO FACE OF FINISHED MATERIAL UNLESS OTHERWISE NOTED. USE WRITTEN DIMENSIONS. REFER TO PARTITION PLAN FOR WALL LAYOUT. DO NOT SCALE DRAWINGS.
G	ALL MEDIUM DENSITY FIBERBOARD (MDF) & PLYWOOD TO BE FIRE RETARDANT TREATED 3/4" THICK UNLESS OTHERWISE NOTED.
H	MILLWORK CONTRACTOR TO COORDINATE CONCEALED MAIN CASHWRAP CONDUIT FLOOR LOCATION WITH ELECTRICAL CONTRACTOR AND TENANT CONTRACTOR.
I	VERIFY ALL EXISTING SITE CONDITIONS THAT WILL AFFECT MILLWORK CONSTRUCTION & INSTALLATION & ASSEMBLY OF CASEWORKS. NOTIFY DESIGNER FOR DISCREPANCIES.
J	TENANT CONTRACTOR TO LAYOUT ALL WORK ON SITE AND CONFIRM LAYOUT WITH LANDLORD PRIOR TO THE SETTING OF WALL PLATES, CORING AND CUTTING.
K	REFER TO THE 2023 FLORIDA BUILDING CODE 8TH EDITION IN REGARDS TO AISLE ACCESSIBILITY MINIMUM CLEARANCES.
L	MILLWORK CONTRACTOR TO CONFIRM ALL CASHWRAP EQUIPMENT DIMENSIONS AND REQUIREMENTS WITH CLIENT PRIOR TO FABRICATION OF CASEWORK. TENANT CONTRACTOR TO COORDINATE ALL ELECTRICAL AND I.T. REQUIREMENTS FOR CASHWRAP TO ALL INVOLVED SUBCONTRACTORS.
M	TENANT CONTRACTOR TO CONFIRM ALL HARDWARE SPECIFICATIONS AND REQUIREMENTS WITH CLIENT PROJECT MANAGER PRIOR TO PURCHASE.
N	TENANT CONTRACTOR TO INSTALL ALL CLIENT SUPPLIED FLOOR FIXTURES, SHELVING, AND DISPLAY HARDWARE.
O	MILLWORK CONTRACTOR TO VERIFY AND COORDINATE ALL DIMENSIONS/ SPACE REQUIREMENTS, INCLUDING MECHANICAL, PLUMBING, STRUCTURAL AND ELECTRICAL ITEMS IN MILLWORK WITH TENANT CONTRACTOR PRIOR TO FABRICATION OF MILLWORK FIXTURES.

KEYNOTE LEGEND

02	LINE OF NEW SLIDING SECURITY GRILLE C/W TRACK AND SUPPORTS. TC TO COORDINATE, FEILD VERIFY DIMENSIONS AND ENSURE SECURITY GRILLE IS OPERABLE. TC TO SUBMIT DRAWINGS FOR APPROVAL.
06	ELECTRICAL PANEL - REFER TO ELECTRICAL CONSULTANT'S DRAWINGS.
07	I.T. EQUIPMENT RACK - MINIMUM 7'-2 1/2" AFF. CONFIRM FINAL LOCATION WITH CLIENT PRIOR TO INSTALLATION.
09	LINE OF BULKHEAD ABOVE
23	ADA / ACCESSIBLE COUNTER AND TABLE - ENSURE MINIMUM LOCAL ACCESSIBILITY CODE REQUIREMENTS ARE FOLLOWED
40	EXISTING OVERHEAD ROLLING DOOR, TC TO CLEAN AS REQUIRED AND ENSURE TO BE IN GOOD WORKING CONDITION
41	EXISTING PLUMBING PLUMBING FIXTURES, TC TO CLEAN AS REQUIRED AND ENSURE TO BE IN GOOD WORKING CONDITION
42	EXISTING INTERIOR AND EXTERIOR BOLLARDS TO REMAIN
45	EXISTING FIRE EXTINGUISHER TO REMAIN.
48	FIRE EXTINGUISHER. REFER TO ELEVATIONS FOR MOUNTING LOCATION.
49	PROVIDE RACEWAY FOR CONDUITS CONNECTING TO JUNCTION BOX WITHIN SIDE GABLE OF COUNTER.
52	FLOOR MOUNTED HOT WATER TANK.

CASEWORK SCHEDULE

TAG	DESCRIPTION	SUPPLY	INSTALL	COMMENTS
C-1	BAR COUNTER/ MILLWORK	MC	MC	MC TO COORDINATE WITH TC
C-2	BACK BAR DISPLAY	MC	MC	MC TO COORDINATE WITH TC
C-3	WINE DISPLAY	MC	MC	MC TO COORDINATE WITH TC
C-4	POS COUNTER	MC	MC	MC TO COORDINATE WITH TC
C-5	BANQUETTE SEATING	PLTR FURNITURE VENDOR	PLTR FURNITURE VENDOR	PLTR FURNITURE VENDOR TO COORDINATE WITH TC
C-6	COUNTER	MC	MC	MC TO COORDINATE WITH TC
C-7	HAND-OFF COUNTER	MC	MC	MC TO COORDINATE WITH TC
C-8	GRAB AND GO COUNTER	MC	MC	MC TO COORDINATE WITH TC
C-9	SERVER COUNTER	MC	MC	MC TO COORDINATE WITH TC
C-10	MILLWORK FILLER/COUNTER	MC	MC	MC TO COORDINATE WITH TC
C-11a	LIGHTED MERCHANDISE DISPLAY	MC	MC	MC TO COORDINATE WITH TC. PERLICK LIGHTED 3-TIER DISPLAY LMD3-60L
C-11b	LIGHTED MERCHANDISE DISPLAY	MC	MC	MC TO COORDINATE WITH TC. PERLICK LIGHTED 3-TIER DISPLAY LMD3-24L
C-12	MOVEABLE HOST STAND	MC	MC	MC TO COORDINATE WITH TC

SPECIALTY EQUIPMENT SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL	SUPPLY	INSTALL
EQ-1	TV SCREEN (C/W WALL MOUNT BRACKET)	TBD	32", TBC	PLTR	TC
EQ-1b	TV SCREEN (C/W CEILING MOUNT BRACKET)	TBD	46", TBC	PLTR	TC
EQ-2a	POS WITH CASH DRAWER	TBD	TBD	PLTR	TC
EQ-2b	POS SCREEN	TBD	TBD	PLTR	TC
EQ-2c	POS SCREEN - SURFACE-MOUNTED	TBD	TBD	PLTR	TC
EQ-4	GRAB AND GO COOLER	Structural Concepts	NR4851RRSSV	PLTR	TC
EQ-5	POS PRINTER	TBD	TBD	PLTR	TC
EQ-6	KITCHEN DISPLAY SYSTEM	TBD	TBD	PLTR	TC
EQ-7	KITCHEN PRINTER	TBD	TBD	PLTR	TC

FURNITURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL	SUPPLY	INSTALL
CH-1	CHAIR	TBD	TBD	PLTR	TC
CH-2	BAR HEIGHT STOOL	TBD	TBD	PLTR	TC
CH-3	COUNTER HEIGHT STOOL	TBD	TBD	PLTR	<varies>
TB-1	RECTANGLE TABLE - 19"W X 25"D X 30"H	TBD	TBD	PLTR	TC
TB-2	RECTANGLE TABLE - 19"W X 25"D X 42"H	TBD	TBD	PLTR	TC

ACCESSORY SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL	SUPPLY	INSTALL
F-1	CHEF SCULPTURE C/W 2' x 2' x 2" BASE	TBD	TBD	PLTR	TC
PLT-1	LARGE PLANTER	AMBIUS, ANDREA.ALVAREZ@AMBIUS.COM	TBD	TC	TC
PLT-2	SMALL PLANTER	AMBIUS, ANDREA.ALVAREZ@AMBIUS.COM	TBD	TC	TC

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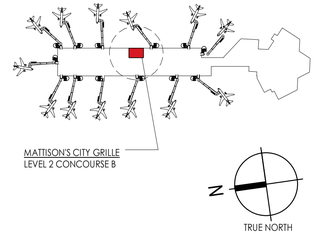

1	CONSTRUCTION CLARIFICATION	MM By	JR Appd	2024.01.15 YYYY.MM.DD

Revision

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Issued By Appd YYYY.MM.DD

File Name: N/A

Dwn. Dsgn. Chkd. YYYY.MM.DD

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6000 Airport Circle, Sarasota, FL 34243

Title

FURNITURE & EQUIPMENT PLAN

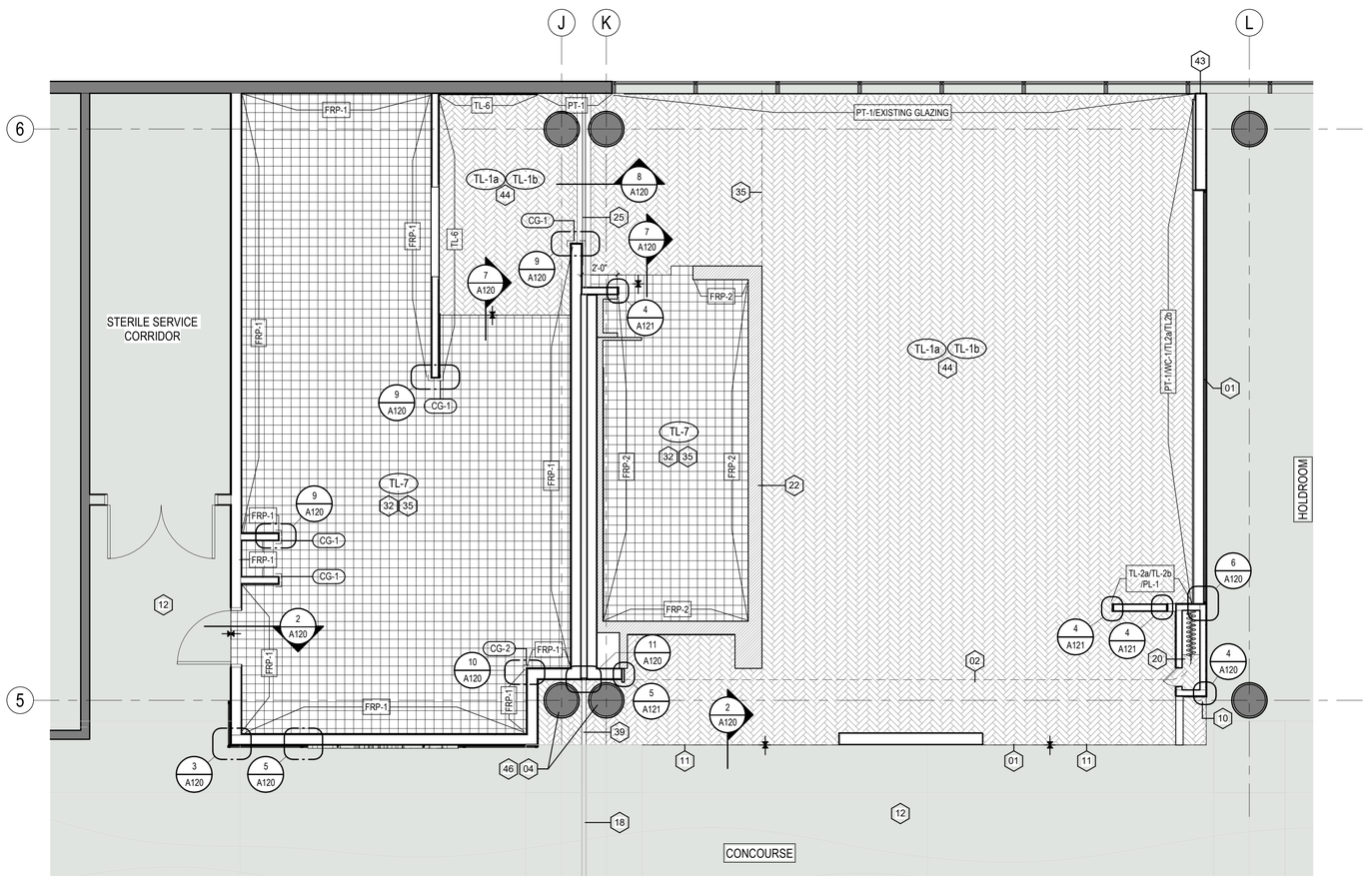
Project No. 144323181

Scale 1/4" = 1'-0"

Revision 1

Drawing No. **A110**

ORIGINAL SHEET - ARCH D



GENERAL FINISH NOTES

A	TENANT CONTRACTOR TO PREPARE EXISTING FLOOR SLAB TO ACCEPT NEW FLOOR FINISH.
B	ALL FIELD TILE FLOORING GROUT JOINTS TO BE 1/8" WIDE AND SEALED.
C	TENANT CONTRACTOR TO PROVIDE FLOORING CONTROL JOINTS AS REQUIRED. TENANT CONTRACTOR TO REVIEW CONTROL JOINT LOCATIONS WITH DESIGNER. PROVIDE TRAFFIC TOPPING SEALANT W/COLOUR TO MATCH GROUT AT ALL CONTROL JOINTS.
D	PATCH ALL HOLES IN STRUCTURAL SLAB WITH 2HR. RATED CONCRETE CONSTRUCTION TO MATCH EXISTING AND TO PROVIDE 2HR. CONTINUOUS 2HR. RATED FLOOR SLAB SUBSTRATE.
E	PROVIDE SCHLUTER-DECO ANODIZED ALUMINUM TRANSITION STRIP BETWEEN NEW FLOORING AND EXISTING AIRPORT FLOORING.
F	SALVAGE AND REMOVE EXISTING AIRPORT FLOORING AND SURRENDER TO AIRPORT ALL FINISHES SPECIFIED.
G	ALL WALL FINISHES & TRIMS ARE TO CONTINUE BEHIND ALL FREE-STANDING PERIMETER MILLWORK UNITS.
H	ALL TILE SHALL RUN UNDER MILLWORK ITEMS, EQUIPMENT & TENANT FIXTURES.
I	TENANT CONTRACTOR TO PROVIDE HARD SURFACE PROTECTION OF TILE FLOORING DURING CONSTRUCTION.
J	PATCH AND REPAIR ALL AFFECTED BASE BUILDING ELEMENTS.
K	PROVIDE ANTI-FRACTURE MEMBRANE BETWEEN THINSETS.
L	ALL FLOOR TILES SHALL HAVE A MINIMUM DYNAMIC COEFFICIENT OF FRICTION (COF) OF 0.6.
M	REFER TO SHEET A121 FOR MATERIAL FINISHES

KEYNOTE LEGEND

01	LEASE LINE - TC TO CONFIRM WITH LANDLORD FOR FINAL LOCATION OF LEASE LINE PRIOR TO START OF CONSTRUCTION
02	LINE OF NEW SLIDING SECURITY GRILLE C/W TRACK AND SUPPORTS. TC TO COORDINATE, FEILD VERIFY DIMENSIONS AND ENSURE SECURITY GRILLE IS OPERABLE. TC TO SUBMIT DRAWINGS FOR APPROVAL.
04	BASE BUILDING STRUCTURAL COLUMN
10	TILE SET-OUT POINT
11	EXTENT OF TENANT FLOOR FINISH. TC TO SITE VERIFY
12	BASE BUILDING FLOOR FINISH - TC TO PROTECT DURING CONSTRUCTION
18	EXISTING BASE BUILDING EXPANSION JOINT TO REMAIN.
20	TILE FINISH TO CONTINUE 300mm INSIDE SECURITY GRILLE POCKET
22	HATCHED AREA DENOTES DIE WALL/ BAR SUPPORT - REFER TO A500 SHEETS FOR DETAILS
25	NEW EXPANSION JOINT SYSTEM - TC TO COORDINATE AND GET APPROVAL FROM AIRPORT PRIOR TO START OF CONSTRUCTION. REFER TO 8/A120 FOR ADDITIONAL INFORMATION.
32	QUARRY COVE BASE THROUGHOUT AND C/W CONTINUOUS WATERPROOFING MEMBRANE THAT WRAPS 12" UP THE ADJOINING WALLS IN WET AREAS. PROVIDE 5/8" CEMENT BOARD FROM T/O SLAB TO 12" AFF IN ALL WET AREAS.
35	PROVIDE CONTINUOUS WATERPROOFING MEMBRANE IN BOH/ KITCHEN, SERVERY AND BAR AREAS BETWEEN THINSETS. INSTALL MEMBRANE AS PER MANUFACTURER'S RECOMMENDATION. AREA LEFT OF DASHED LINE TO HAVE WATERPROOFING MEMBRANE.
39	REFURBISH EXISTING EXPANSION JOINT TO LOOK NEW. IF NEEDED, TC TO PROVIDE NEW EXPANSION JOINT COVER TO MATCH EXISTING
43	RETURN WALL SURFACE IN METAL END CAP FINISHED IN MT-1.
44	FIELD FLOOR TILE TO BE RANDOM MIX OF 50% TL-1a AND 50% TL-1b.
46	TC TO INSTALL NEW WALL TILES AND FLOOR TILES AROUND THE EXISTING BASE BUILDING COLUMNS IN EARLIER STAGE PRIOR TO INSTALLING THE DRYWALL PARTITION. COVER AND PROTECT NEW TILES AS REQUIRED.

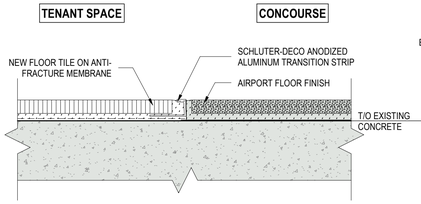
FINISH PLAN LEGEND

- NOT IN CONTRACT
- AREA IN CONTRACT
- TRANSITION STRIP
- CORNER GUARD
- KEYNOTE (X)
- WALL FINISH (XX-#)

N

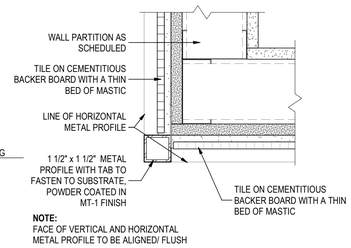
1 FLOOR FINISH PLAN

1/4" = 1'-0"



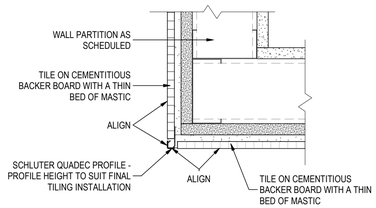
2 TILE TO CONCOURSE

N.T.S.



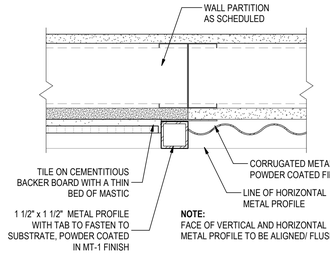
3 TILE CORNER DETAIL - 1

3" = 1'-0"



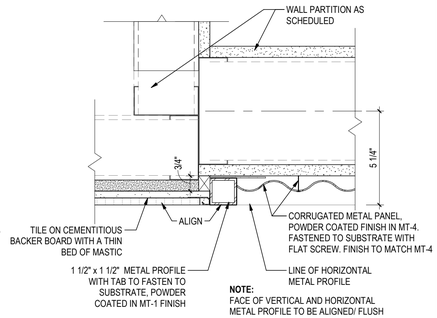
4 TILE CORNER DETAIL - 2

3" = 1'-0"



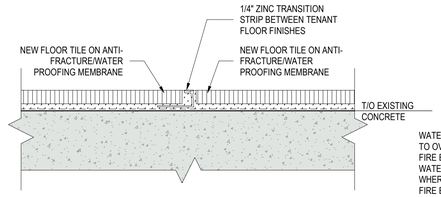
5 PLAN DETAIL - 1

3" = 1'-0"



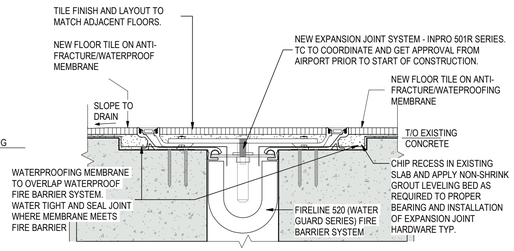
6 PLAN DETAIL - 2

3" = 1'-0"



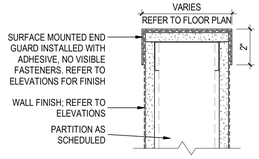
7 TILE TO TILE

6" = 1'-0"



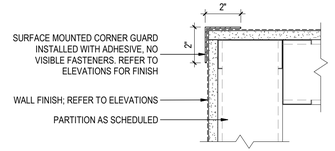
8 EXPANSION JOINT DETAIL

3" = 1'-0"



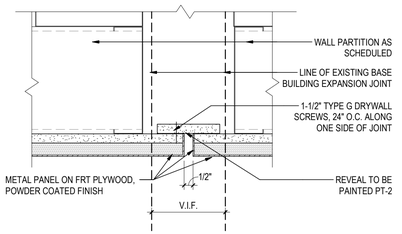
9 END GUARD DETAIL - CG-1

3" = 1'-0"



10 CORNER GUARD DETAIL - CG-2

3" = 1'-0"



11 CONTROL JOINT PLAN DETAIL

3" = 1'-0"

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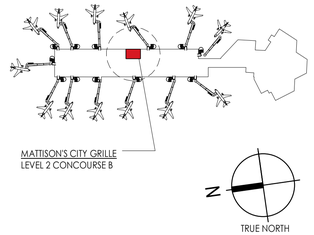

Revision

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File Name: N/A			
	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

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Title

FLOOR FINISH PLAN AND FINISHES DETAILS

Project No.
144323181

Scale
As indicated

Revision

Drawing No.
A120

<Pick location in Project Information>
1/15/2025 9:54:04 AM
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ORIGINAL SHEET - ARCH D

MATERIALS AND FINISHES LIST

ACOUSTIC CEILING TILE

ACT-1 ACOUSTIC CEILING TILE
- MANU: ARMSTRONG
- SERIES: CERAMAGUARD UNPERFORATED
- COLOUR: FINISH TO MATCH PT-2
- SIZE: 24"X24"
- EDGE: SQUARE LAY-IN
- FINISH: SCRUBBABLE PLASTIC PAINT
- GRID:
- LOCATION: DINING AREA CEILING

ACT-2 ACOUSTIC CEILING TILE
- MANU: ARMSTRONG
- SERIES: CERAMAGUARD UNPERFORATED
- COLOUR: FINISH TO MATCH PT-5
- SIZE: 24"X24"
- EDGE: SQUARE LAY-IN
- FINISH: SCRUBBABLE PLASTIC PAINT
- GRID:
- LOCATION: BAR AND SERVERY AREA CEILING

ACT-3 ACOUSTIC CEILING TILE
- MANU: ARMSTRONG
- SERIES: CERAMAGUARD UNPERFORATED
- COLOUR: WHITE
- SIZE: 24"X48"
- EDGE: SQUARE LAY-IN
- FINISH: SCRUBBABLE PLASTIC PAINT
- GRID:
- LOCATION: KITCHEN CEILING

FIBRE-REINFORCED PLASTIC

FRP-1 FIBRE-REINFORCED PLASTIC
- MANU: MARLITE
- SERIES: STANDARD FRP
- COLOUR: P 100 WHITE
- SIZE: 4'X8'X3/32" OR 4'X10'X3/32"
- FINISH: PEBBLE SURFACE
- LOCATION: AS NOTED, REFER TO DRAWINGS
- NOTE: SAME OR MATCH SIMILAR FINISH

FRP-2 FIBRE-REINFORCED PLASTIC
- MANU: MARLITE
- SERIES: STANDARD FRP
- COLOUR: BLACK
- SIZE: 4'X8'X3/32" OR 4'X10'X3/32"
- FINISH: PEBBLE SURFACE
- LOCATION: AS NOTED, REFER TO DRAWINGS
- NOTE: SAME OR MATCH SIMILAR FINISH

GLASS

GL-1 GLASS PANEL
- MANU: BENDHHEIM
- TEXTURE: CORDUROY MINI FLUTED PRIVACY GLASS
- THICKNESS: 6MM
- LOCATION: AS NOTED, REFER TO DRAWINGS

GL-2 GLASS PANEL
- MANU: GC
- FINISH: CLEAR TEMPERED GLASS
- THICKNESS: 3/8"
- LOCATION: AS NOTED, REFER TO DRAWINGS

MIRROR

MI-1 MIRROR
- MANU: GC
- FINISH: TEMPERED MIRROR
- THICKNESS: 12.7mm
- LOCATION: AS NOTED, REFER TO DRAWINGS

METALS

MT-1 METAL
- MANU: TIGER DRYLAC POWDER COAT
- COLOUR: BLACK GREY
- FINISH: MATTE
- CODE: 009/7021
- LOCATION: AS NOTED, REFER TO DRAWINGS

MT-2 STAINLESS STEEL
- MANU: G/C
- SERIES: #4 BRUSHED STAINLESS STEEL - 300 SERIES
- GAUGE: 16
- LOCATION: AS NOTED, REFER TO DRAWING
- REMARKS: GRAIN ORIENTATION - HORIZONTAL. CONTROL SAMPLE TO BE PROVIDED TO DESIGNER FOR APPROVAL.

MT-3 METAL
- MANU: CHEMETAL
- COLOUR: NOMADIC CIDER
- CODE: 414
- LOCATION: AS NOTED, REFER TO DRAWINGS

MT-4 METAL
- MANU: MOZ METAL + ARCHITECTURAL PRODUCTS
- GRAIN: FOG
- FINISH: POLYCOATED MATTE CORRUGATED
- MATERIAL: .040 ALUMINUM
- COLOUR: POWDER COATED IN RAL 7022 (UMBRA GREY)
- LOCATION: AS NOTED, REFER TO DRAWINGS

MT-5 METAL
- MANU: TBD
- COLOUR: TBD
- GAUGE: TBD
- MATERIAL: PERFORATED
- LOCATION: CUSTOM PENDANT LIGHT FIXTURE (L-6)

PAINT

NOTES:
- WALLS: LO SHEEN EGGSHELL LATEX
- DOORS: SEMI-GLOSS ALKYD
- CLGS: FLAT LATEX
- SLATS: LO SHEEN MATTE ALKYD

PT-1 LOW-VOC PAINT
- MANU: BENJAMIN MOORE
- COLOUR: SNOWFALL WHITE
- CODE: OC-118
- LOCATION: AS NOTED, REFER TO DRAWINGS

PT-2 LOW-VOC PAINT
- MANU: BENJAMIN MOORE
- COLOUR: ONYX
- CODE: 2133-10
- LOCATION: AS NOTED, REFER TO DRAWINGS

PT-3 LOW-VOC PAINT
- MANU: SHERWIN WILLIAMS
- COLOUR: ROOKWOOD BLUE GREEN
- CODE: SW2811
- LOCATION: AS NOTED, REFER TO DRAWINGS

PT-4 LOW-VOC PAINT
- MANU: SHERWIN WILLIAMS
- COLOUR: DORIAN GRAY
- CODE: SW7017
- LOCATION: AS NOTED, REFER TO DRAWINGS

PT-5 LOW-VOC PAINT
- MANU: BENJAMIN MOORE
- COLOUR: BARNWOOD
- CODE: CSP-115
- LOCATION: AS NOTED, REFER TO DRAWINGS

PLASTIC LAMINATE

PL-1 LAMINATE
- MANU: WILSONART
- COLOUR: CORONADO OAK
- FINISH: MATTE
- CODE: 8244K-28
- LOCATION: AS NOTED, REFER TO DRAWINGS

PL-2 LAMINATE
- MANU: ARBORITE
- COLOUR: AUBURN MODERN CHERRY
- FINISH: LE-LEGNO
- CODE:
- LOCATION: AS NOTED, REFER TO DRAWINGS

PL-3 LAMINATE
- MANU: PIONITE
- COLOUR: BEIGE LINEN
- FINISH: SUEDE
- CODE: AT301
- LOCATION: AS NOTED, REFER TO DRAWINGS

STONE

ST-1 QUARTZ
- MANU: WILSONART
- COLOUR: PIETRA NOIR
- CODE: TS405-LR
- THICKNESS:
- LOCATION: AS NOTED, REFER TO DRAWINGS

ST-2 QUARTZ
- MANU: CORIAN
- COLOUR: DEEP ESPRESSO
- THICKNESS:
- LOCATION: AS NOTED, REFER TO DRAWINGS

TILE

TL-1a PORCELAIN TILE
- MANU: LANDMARK CERAMICS
- SERIES: BRICK WORLD LONDON
- COLOUR: RED
- THICKNESS: 9MM
- SIZE: 3" x 12"
- GROUT: MAPEI #42 MOCHA
- PATTERN: HERRINGBONE PATTERN
- LOCATION: AS NOTED, REFER TO DRAWINGS

TL-1b PORCELAIN TILE
- MANU: LANDMARK CERAMICS
- SERIES: BRICK WORLD SOHO
- COLOUR: COTTO
- THICKNESS: 9MM
- SIZE: 3" x 12"
- GROUT: MAPEI #42 MOCHA
- PATTERN: HERRINGBONE PATTERN
- LOCATION: AS NOTED, REFER TO DRAWINGS

TL-2a PORCELAIN TILE
- MANU: IRIS CERAMICA
- SERIES: BLAZE
- COLOUR: DÉCOR PINK
- CODE: 754720
- FINISH: MATTE
- THICKNESS: 7.5MM
- SIZE: 4" X 12"
- GROUT: MAPEI #112 PECAN
- LOCATION: AS NOTED, REFER TO DRAWINGS

TL-2b PORCELAIN TILE
- MANU: IRIS CERAMICA
- SERIES: BLAZE
- COLOUR: PINK
- CODE: 754720
- FINISH: MATTE
- THICKNESS: 7.5MM
- SIZE: 4" X 12"
- GROUT: MAPEI #112 PECAN
- LOCATION: AS NOTED, REFER TO DRAWINGS

TL-3 PORCELAIN TILE
- MANU: INAX TILE
- SERIES: SAIRIN
- COLOUR: BLACK MIX
- CODE: HAL-35B/SAR-4
- THICKNESS: 9.5MM
- SIZE: 7.68" X 1.28"
- GROUT: MAPEI #10 BLACK
- LOCATION: AS NOTED, REFER TO DRAWINGS

TL-4 PORCELAIN TILE
- MANU: OLYMPIA TILE + STONE
- SERIES: LEA STONE
- COLOUR: BLACK
- CODE: HV.LS.BLK.1224.MT
- THICKNESS:
- SIZE: 12"x24"
- GROUT: MAPEI #10 BLACK
- LOCATION: AS NOTED, REFER TO DRAWINGS

TL-5 PORCELAIN TILE
- MANU: GARDEN STATE TILE
- SERIES: OZEAN
- COLOUR: GIADA STRUTTURA EYE 3D
- CODE: GSWR8HJ
- THICKNESS: 12.5MM
- FINISH: GLOSSY
- SIZE: 3" X 8"
- GROUT: TBD
- LOCATION: AS NOTED, REFER TO DRAWINGS

TL-6 PORCELAIN TILE
- MANU: DALTILE
- SERIES: COLOR WHEEL LINEAR
- COLOUR: URBAN PUTTY
- THICKNESS: 8.5MM
- FINISH: GLOSSY
- SIZE: 4"X12"
- GROUT: MAPEI 5005-CHAMOIS
- LOCATION: AS NOTED, REFER TO DRAWINGS

TL-7 QUARRY TILE
- MANU: OLYMPIA
- SERIES: METROPOLITAN
- COLOUR: PURITAN (GREY)
- CODE: MT.PTN.GRY.IRON
- SIZE: 15CM X 15CM
- GROUT: MAPEI #107 IRON
- LOCATION: AS NOTED, REFER TO DRAWINGS
- NOTES: TENANT CONTRACTOR TO PROVIDE WATERPROOFING MEMBRANE. TILE USED AS BASE TO BE BULLNOSE COVED BASE

UPHOLSTERY

UP-1 UPHOLSTERY
- MANU: DESIGNTEX
- COLOUR: LEAP
- PATTERN: EXTREME PERFORMANCE
- CODE: 3600-101
- LOCATION: BANQUETTE (SEAT BACK)

UP-2 UPHOLSTERY
- MANU: ARC COM
- COLOUR: COPPER #5
- PATTERN: POLISHED
- CODE: AC-60744
- LOCATION: BANQUETTE (SEAT CUSHION)

WALLCOVERING

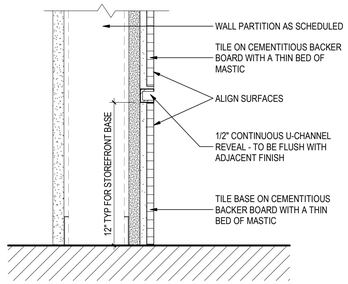
WC-1 WALL COVERING
- MANU: WALLQUEST
- SERIES: GRASS RESOURCE
- CODE: RC10328
- WIDTH: 27 INCH
- FIRE RATING: CLASS A
- LOCATION: AS NOTED, REFER TO DRAWINGS

WOOD

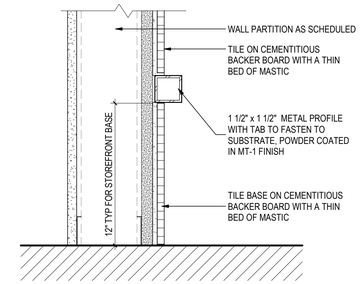
WD-1 WOOD
- SPECIES:
- COLOUR: TO MATCH PL-2
- FIRE RATING:
- LOCATION: AS NOTED, REFER TO DRAWINGS

GRAPHICS

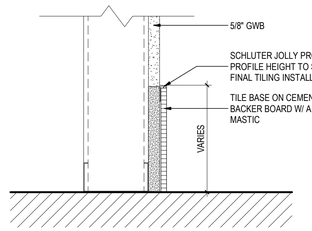
GR-1 GRAPHIC
- CUSTOM GRAPHICS
- LOCATION: AS NOTED, REFER TO DRAWINGS
- NOTES: GRAPHICS TO BE INSTALLED PER MANUFACTURER RECOMMENDATION



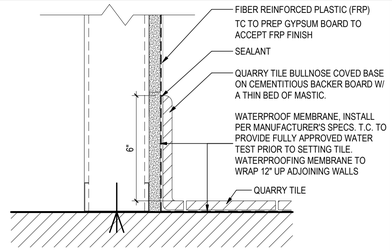
1 TILE BASE -1
3" = 1'-0"



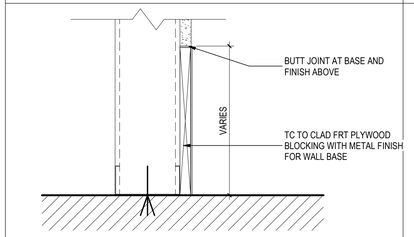
6 TILE BASE -2
3" = 1'-0"



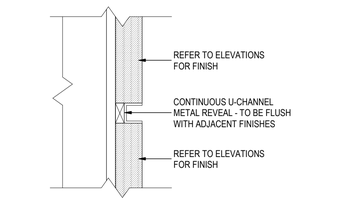
2 TILE BASE -3
3" = 1'-0"



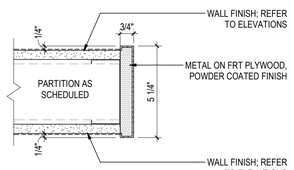
7 QUARRY TILE BASE
3" = 1'-0"



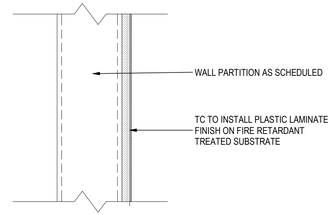
3 METAL BASE
3" = 1'-0"



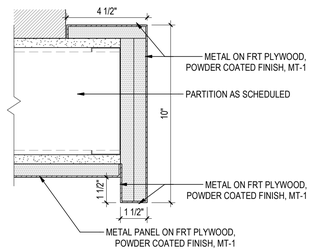
8 U-CHANNEL REVEAL
NTS



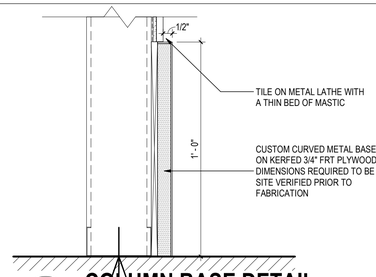
4 WALL TRIM DETAIL - 1
3" = 1'-0"



9 PLASTIC LAMINATE FINISH
3" = 1'-0"



5 WALL TRIM DETAIL - 2
3" = 1'-0"



10 COLUMN BASE DETAIL
3" = 1'-0"

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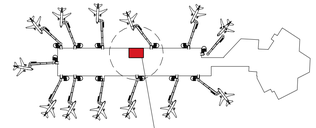
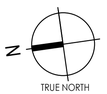
Notes





Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

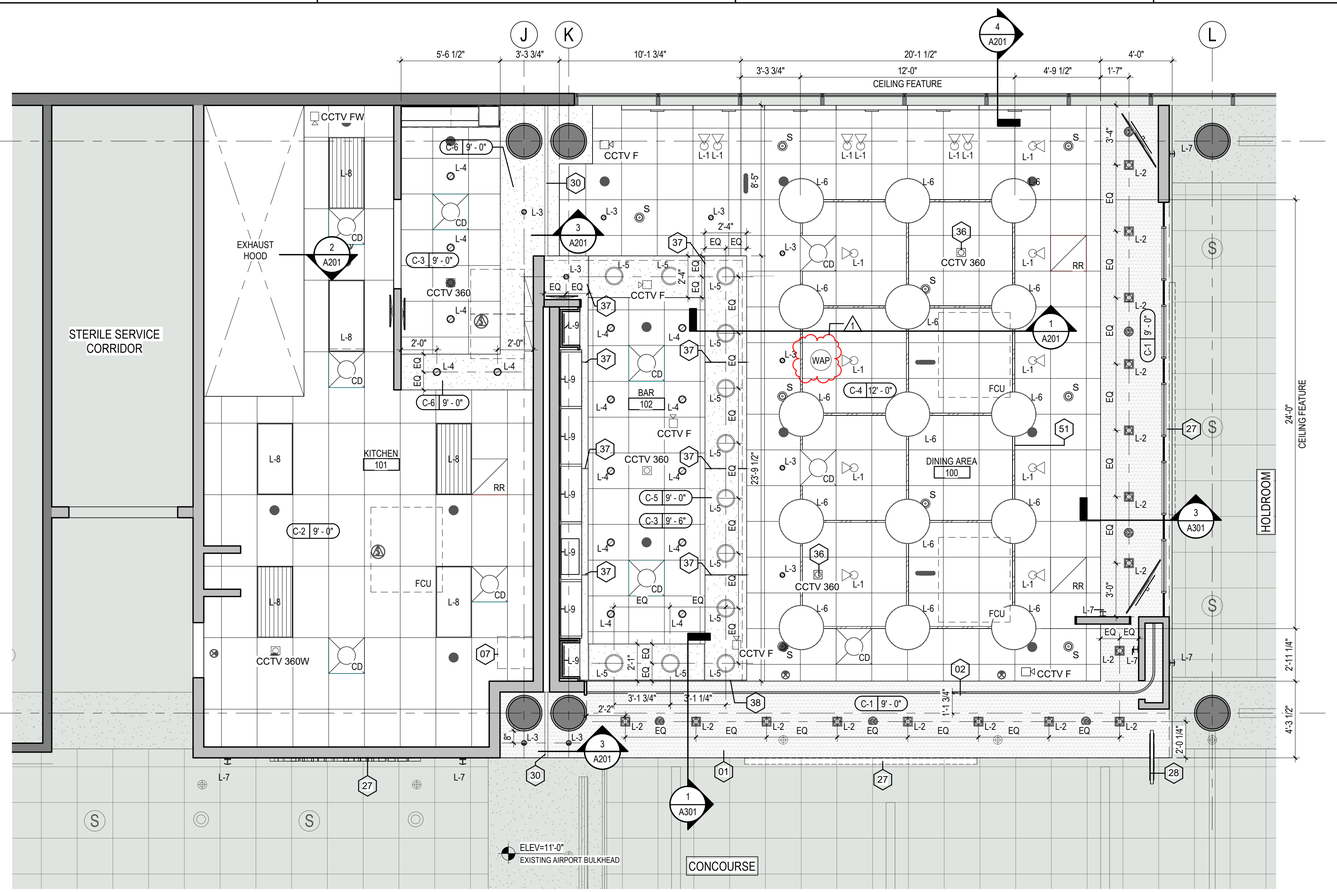
MATERIALS & FINISHES SCHEDULE AND DETAILS

Project No. 144323181

Scale As indicated

Revision

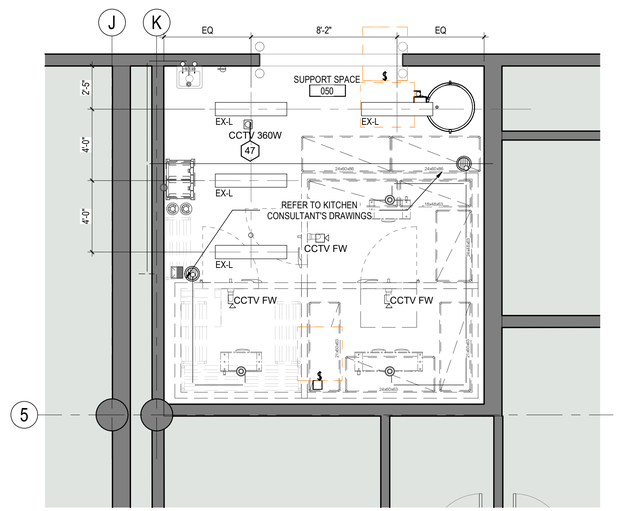
Drawing No. **A121**



N

1 REFLECTED CEILING PLAN & LIGHTING PLAN

1/4" = 1'-0"



2 REFLECTED CEILING PLAN - SUPPORT SPACE

1/4" = 1'-0"

GENERAL RCP NOTES

A	ALL CEILING HEIGHTS ARE FROM TOP OF FINISH FLOOR TO UNDERSIDE OF FINISH CEILING OR LIGHT FIXTURE - TYP. U.N.O.
B	THE TRADE CONTRACTOR SHALL SET ALL CEILING AND SOFFITS USING A LASER LEVEL TO ACHIEVE A CEILING THAT IS PLUMB, LEVEL AND SQUARE TO ALL WALLS AND SOFFITS.
C	BRACING FOR SUSPENDED CEILING MUST BE PROVIDED BY CEILING CONTRACTOR. ANY ADDITIONAL HANGERS AND SAFETY WIRES THAT MAY BE USED FOR LIGHT FIXTURES, DUCTWORK, SPEAKERS, ETC. TO BE THE RESPONSIBILITY OF THE CEILING CONTRACTOR.
D	THE TRADE CONTRACTOR TO VERIFY W/ LANDLORD, METHOD OF ATTACHMENT FOR ALL ITEMS ANCHORED TO, OR SUSPENDED FROM EXISTING STEEL STRUCTURE.
E	ARCHITECTURAL DWGS DETERMINE THE LOCATION OF LUMINAIRES & SUPERSEDE ALL OTHERS, TYP. U.N.O. - REFER TO ELECTRICAL DRAWINGS FOR EXACT FIXTURE TYPE & QUANTITIES PROVIDED.
F	PROVIDE ADEQUATE CLEARANCES FOR FIXTURES, DUCTS, CEILINGS AND RELATED PERTINENT ITEMS NECESSARY TO MAINTAIN SPECIFIC HEIGHTS ABOVE FINISH FLOOR.
G	THE TRADE CONTRACTOR TO PROVIDE NECESSARY BLOCKING AND BRACING FOR FIXTURE INSTALLATION AND ALL ELECTRICAL COMPONENTS TO COMPLETE THE FINAL INSTALLATION OF ALL FIXTURE - COORDINATE WITH FIXTURE SUPPLIER.
H	DIMENSIONS ARE FROM FACE OF GWB TYP, U.N.O.
I	COORDINATE ADDITIONAL CEILING ACCESS DOORS W/ PROJECT MANAGER AND AS REQUESTED BY LANDLORD TO MAINTAIN ACCESS TO LANDLORD EQUIPMENT IF NECESSARY.
J	ALL RIGID CONDUIT AND JUNCTION BOXES TO BE RUN TIGHT TO DECK IN A CLEAN AND ORDERLY FASHION.
K	ALL CONCEALED PLYWOOD BACKING TO BE FIRE RETARDANT TREATED.
L	ALL ACCESS DOORS, DIFFUSERS, VENTS, RETURNS, ETC MUST BE PAINTED TO MATCH ADJACENT CEILING FINISH - TYP. PROVIDE ACCESS PANELS AS REQUIRED. VERIFY LOCATIONS WITH DESIGNER. REFER TO M&E DRAWINGS FOR ACCESS PANEL LOCATIONS.
M	REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING EQUIPMENT LAYOUT AND SPECIFICATIONS.
N	TENANT CONTRACTOR TO VERIFY EXISTING STRUCTURE, DUCTWORK, EQUIPMENT, ETC., DOES NOT INTERFERE WITH NEW CEILING FINISH HEIGHTS SHOWN ON CEILING PLAN. TENANT CONTRACTOR TO NOTIFY DESIGNER IMMEDIATELY IF FINISHED CEILING HEIGHTS ARE NOT ATTAINABLE.

LIGHTING NOTES

A	INSTALLATION OF LIGHTING FIXTURES SHALL BE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO CODE REQUIREMENTS.
B	LAMPS SHALL BE AS SPECIFIED PER ELECTRICAL DRAWINGS - NO EXCEPTIONS.
C	LIGHTING DISTRIBUTOR TO PROVIDE ADDITIONAL LAMPS FOR FUTURE USE. COORDINATE QUANTITY WITH TENANT REP.
D	ELECTRICAL CONTRACTOR TO PROVIDE IDENTIFICATION NAMEPLATE ON THE ELECTRICAL SERVICE BREAKERS OF THE REMOTE ELECTRICAL PANEL. EACH NAMEPLATE SHALL BE 1/8" THICK BLACK PLASTIC ETCHED IN A CONTRASTING COLOR WITH THE TENANT'S NAME. EACH PLATE SHALL BE PERMANENTLY AFFIXED TO THE DISTRIBUTION PANEL.
E	TENANT CONTRACTOR TO COORDINATE LOCATION OF POWER REQUIREMENTS IN CASEWORK WITH MILLWORK CONTRACTOR.
F	REFER TO ELECTRICAL DRAWINGS FOR ALL LIGHTING/ELECTRICAL SPECIFICATIONS, DISTRIBUTION AND CIRCUIT SPECIFICATION.
G	REFER TO SHEET A121 FOR MATERIAL FINISHES

KEYNOTE LEGEND

01	LEASE LINE - TC TO CONFIRM WITH LANDLORD FOR FINAL LOCATION OF LEASE LINE PRIOR TO START OF CONSTRUCTION
02	LINE OF NEW SLIDING SECURITY GRILLE C/W TRACK AND SUPPORTS. TC TO COORDINATE, FEILD VERIFY DIMENSIONS AND ENSURE SECURITY GRILLE IS OPERABLE. TC TO SUBMIT DRAWINGS FOR APPROVAL.
06	ELECTRICAL PANEL - REFER TO ELECTRICAL CONSULTANT'S DRAWINGS.
07	I.T. EQUIPMENT RACK - MINIMUM 7'-2 1/2" AFF. CONFIRM FINAL LOCATION WITH CLIENT PRIOR TO INSTALLATION.
27	SIGNAGE BY SC. TC TO PROVIDE POWER AND COORDINATE WITH SC
28	INTERNALLY ILLUMINATED BLADE SIGN BY SC. TC TO PROVIDE POWER AND CONCEALED REQUIRED BLOCKING AND COORDINATE WITH SC
30	CONSTRUCTION CONTROL JOINT AT GYPSUM BULKHEAD
36	POLE MOUNTED FROM CEILING TILE. TC TO INSTALL POLES (BLACK FINISH). POLE HEIGHT TO SUIT CAMERA HEIGHT. CAMERA HEIGHT AT +/- 7'-9" AFF (ALIGN UNDERSIDE OF LIGHT PENDANT). TC TO PROVIDE CONCEALED BLOCKING/SUPPORT AS REQUIRED IN CEILING SPACE.
37	1/2" SAWCUT REVEAL SPACED EQUALLY, FINISH TO MATCH ADJACENT SURFACES
38	3/4" PAINTED REVEAL, PT-2 FINISH
47	BOTTOM OF CAMERA TO ALIGN TO U/S OF SUSPENDED LIGHT FIXTURE (+/- 8'-6". TC TO SITE VERIFY DIMENSIONS). POLE MOUNTED TO U/S OF STRUCTURE. TC TO INSTALL POLES.
51	TC TO COORDINATE ALL DECORATIVE GRID SUSPENSION RODS FROM DECK PRIOR TO DETERMINING LOCATION AND INSTALLATION OF SUSPENSION RODS FOR FAN COIL UNITS AND DUCTING.

CEILING SCHEDULE

TYPE	DESCRIPTION	FINISH	COMMENT
C-1	METAL PANEL ON 3/4" FRT PLY	MT-3	STOREFRONT BULKHEAD
C-2	2X4 ACOUSTIC CEILING TILE	ACT-3	SCRUBBABLE KITCHEN CEILING
C-3	2X2 ACOUSTIC CEILING TILE	ACT-2	SCRUBBABLE BAR AND SERVERY AREA CEILING
C-4	2X2 ACOUSTIC CEILING TILE	ACT-1	DINING AREA CEILING, FINISH TO MATCH PT-2
C-5	MDF BOARD CEILING	PT-2	BAR COUNTER BULKHEAD
C-6	GYPSUM BOARD CEILING	PT-1	

LIGHTING SCHEDULE

TYPE	DESCRIPTION	FINISH	COMMENTS
L-1	CANOPY-MOUNT ADJUSTABLE LIGHT FIXTURE	BLACK	
L-2	RECESSED ADJUSTABLE DOWNLIGHT	BLACK	
L-3	RECESSED DOWNLIGHT	BLACK	
L-4	RECESSED DOWNLIGHT	BLACK	
L-5	SEMI-FLUSH MOUNT LIGHT	BRUSHED BRASS	
L-6	PENDANT LIGHT FIXTURE	MT-3	CUSTOM FIXTURE BY TC. TC TO COORDINATE WITH ELEC
L-7	WALL SCONCE	BLACK	
L-8	2' X 4' LED LIGHT FIXTURE		
L-9	LED STRIP LIGHT		

NOTE:
REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS.

RCP LEGEND

- NOT IN CONTRACT
- KEYNOTE
- CCTV-360 — 360 DEGREES CAMERA - CAMERA TO BE BLACK FINISH.
- CCTV-360W — 360 DEGREES CAMERA - CAMERA TO BE WHITE FINISH.
- CCTV-F — FIXED CAMERA - CAMERA TO BE BLACK FINISH.
- CCTV-FW — FIXED CAMERA - CAMERA TO BE WHITE FINISH.
- S — NEW SPEAKERS - BLACK FINISH
- EX-L — REUSED EXISTING STORAGE LIGHT FIXTURES, W/ NEW LAYOUT
- WALL MOUNTED EXIT SIGN
- RR — RETURN REGISTER
- CD — CEILING DIFFUSER
- LINEAR SLOT DIFFUSER
- FCU — FAN COIL UNIT ABOVE
- EMERGENCY LIGHTING UNIT
- SPRINKLERS
- WAP — WAP (WIRELESS ACCESS POINT)

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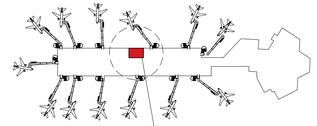
tel: (615) 227-7209

Notes



MATTISON'S CITY GRILLE
LEVEL 2 CONCOURSE B

N
TRUE NORTH

1	CONSTRUCTION CLARIFICATION	MM	JR	2024.01.15
Revision		By	Appd	YYYY.MM.DD
	ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
	ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
	ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
	ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22
Issued		By	Appd	YYYY.MM.DD

File Name: N/A

Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

REFLECTED CEILING & LIGHTING PLAN

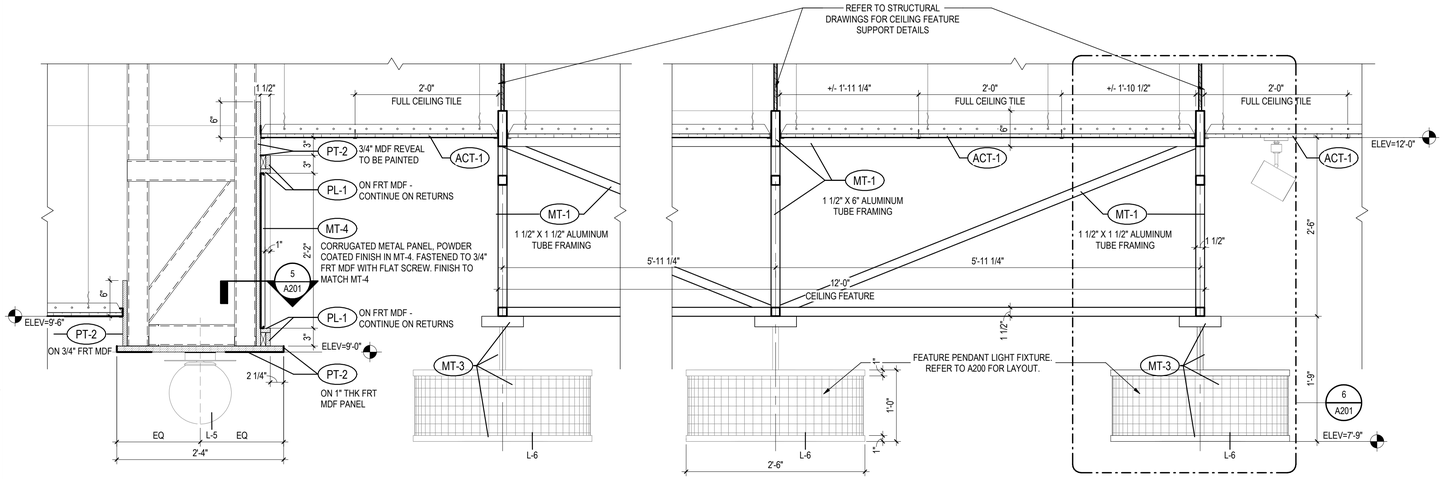
Project No.
144323181

Scale
As indicated

Revision
1

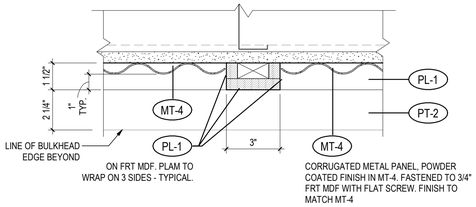
Drawing No.
A200

ORIGINAL SHEET - ARCH D



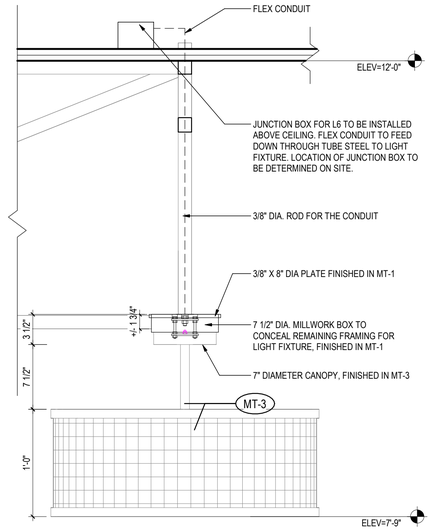
1 CEILING FEATURE DETAIL

1" = 1'-0"



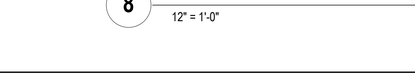
5 BULKHEAD PLAN DETAIL

3" = 1'-0"



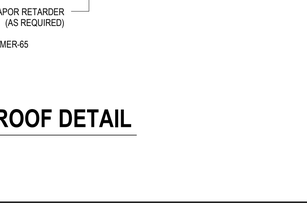
2 ACT CEILING EDGE @ EXHAUST HOOD

1 1/2" = 1'-0"



3 CEILING CONTROL JOINT DETAIL

3" = 1'-0"

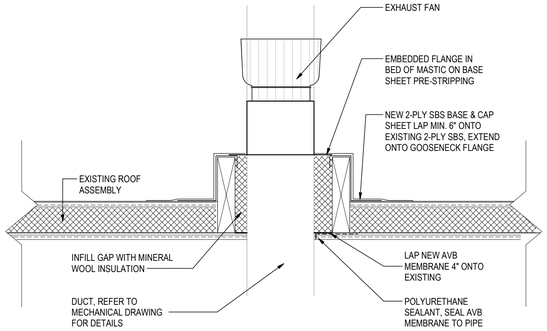


4 ACT CEILING EDGE @ CURTAIN WALL

1 1/2" = 1'-0"

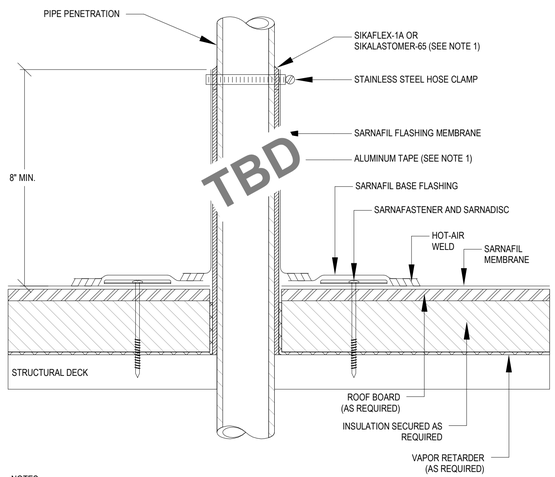
6 CUSTOM LIGHT FIXTURE DETAIL

1 1/2" = 1'-0"



7 EXHAUST FAN FLASHING DETAIL

3" = 1'-0"



NOTES:
1) IF EXISTING PENETRATION IS CONTAMINATED, COVER WITH ALUMINUM TAPE AND USE SIKALASTOMER-65 UNDER HOSE CLAMP. ALTERNATIVE IS TO ELIMINATE ALUMINUM TAPE AND USE SARNAFIL G 459 FLASHING MEMBRANE AND SIKALASTOMER-65 UNDER HOSE CLAMP.
2) SEALANT IS A MAINTENANCE ITEM AND IS NOT COVERED UNDER THE SARNAFIL WARRANTY.

8 PIPE PENETRATION FLASHING THRU ROOF DETAIL

12" = 1'-0"

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Architect

Blu Arc Design
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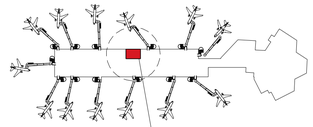
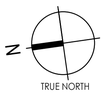
Brentwood, TN 37027
tel: (615) 227-7209

Notes





Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22
Issued	By	Appd	YYYY.MM.DD

File Name: N/A	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

CEILING AND ROOF DETAILS

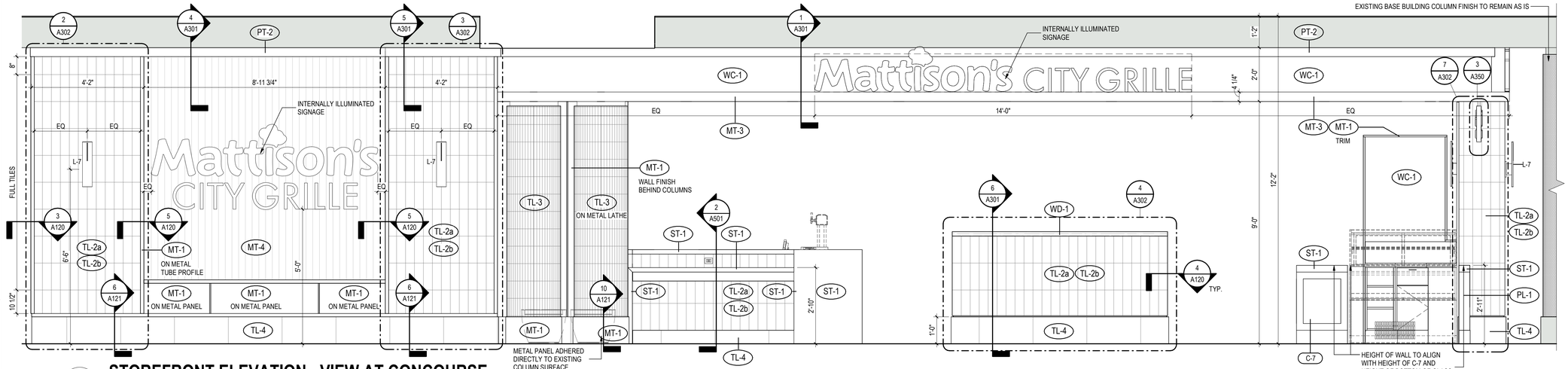
Project No.	Scale
144323181	As indicated

Revision

Drawing No.

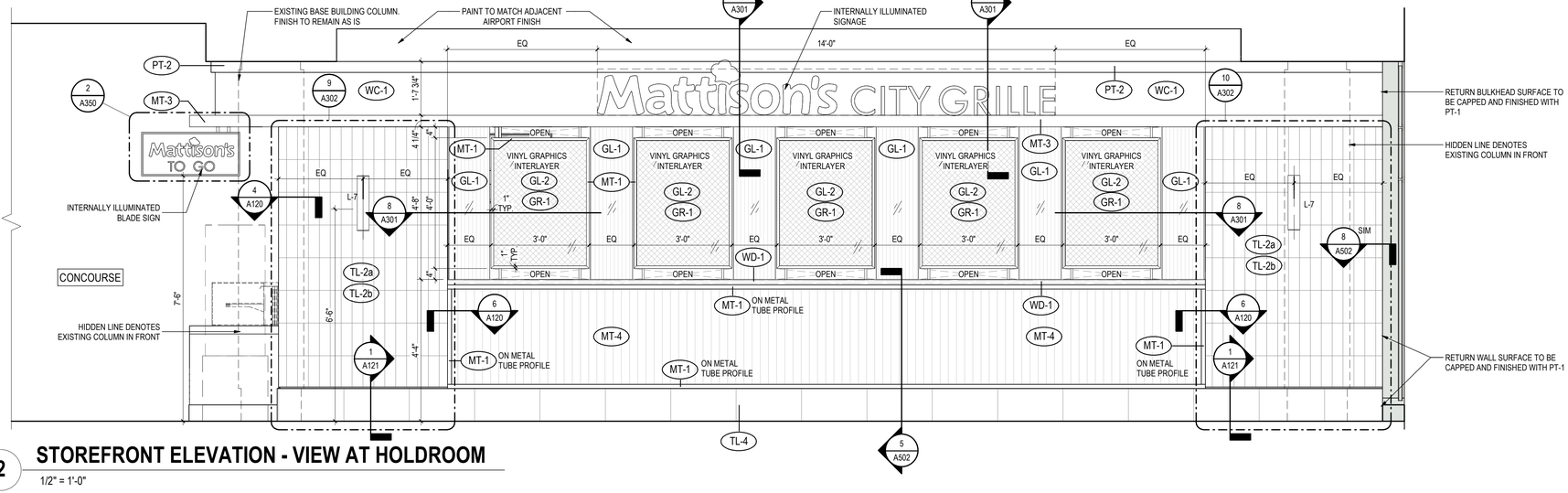
A201

ORIGINAL SHEET - ARCH D



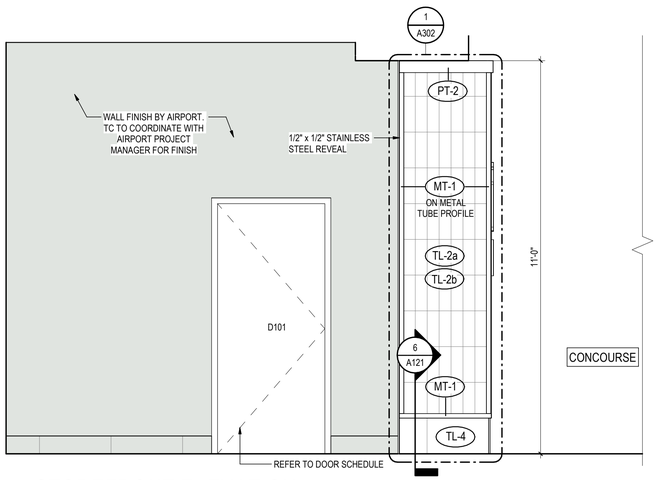
1 STOREFRONT ELEVATION - VIEW AT CONCOURSE

1/2" = 1'-0"



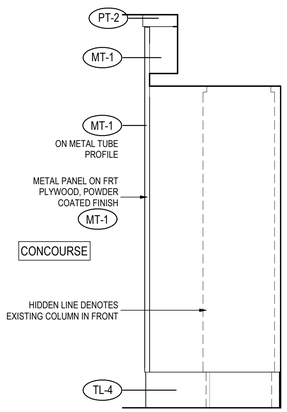
2 STOREFRONT ELEVATION - VIEW AT HOLDROOM

1/2" = 1'-0"



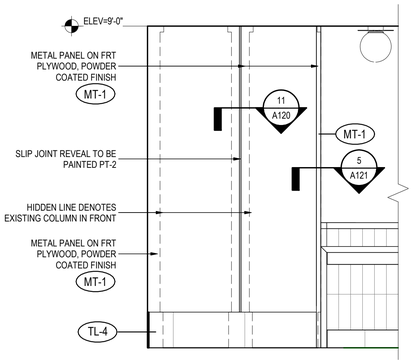
3 STOREFRONT ELEVATION

1/2" = 1'-0"



4 STOREFRONT PARTIAL ELEVATION -1

1/2" = 1'-0"



5 STOREFRONT PARTIAL ELEVATION -2

1/2" = 1'-0"

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Brentwood, TN 37027
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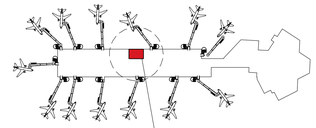
Notes



1	TENANT REVISION	MM.	JR	2024.10.21
Revision		By	Appd	YYYY.MM.DD
	ISSUED FOR CONSTRUCTION	MM.	JR	2025.01.15
	ISSUED FOR 100% / BUILDING PERMIT	NY/MM.	JR	2024.08.05
	ISSUED FOR 90% AIRPORT REVIEW	NY/MM.	JR	2024.06.24
	ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22
Issued		By	Appd	YYYY.MM.DD

File Name: N/A

Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

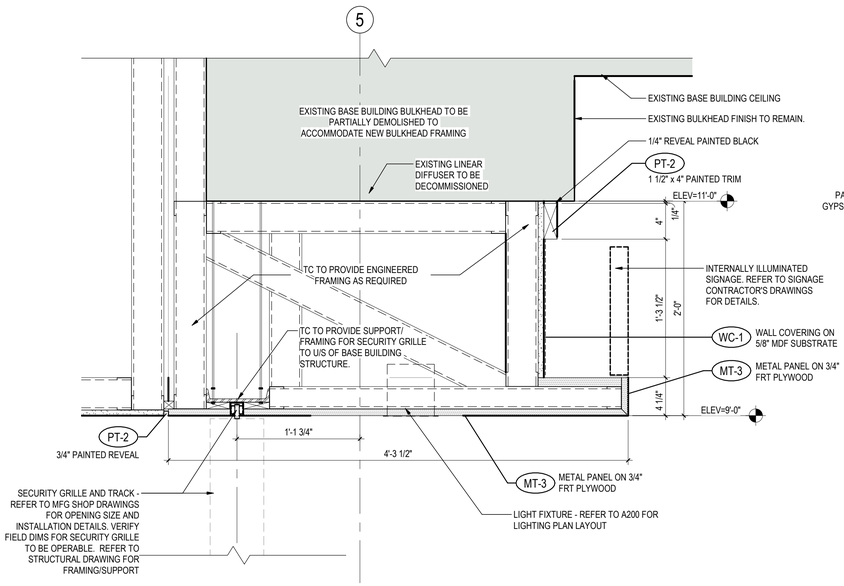
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

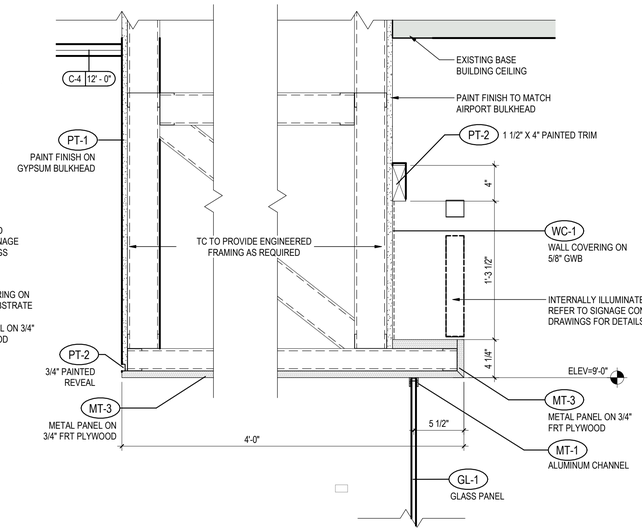
STOREFRONT ELEVATION

Project No.	Scale
144323181	1/2" = 1'-0"
Revision	Drawing No.
1	A300



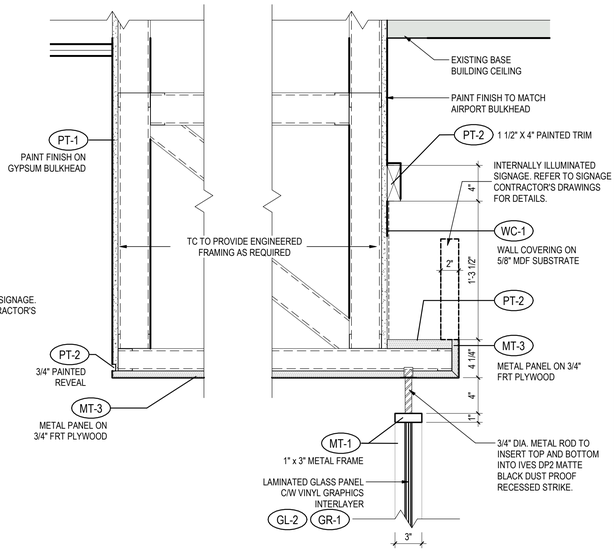
1 STOREFRONT BULKHEAD SECTION 1

1 1/2" = 1'-0"



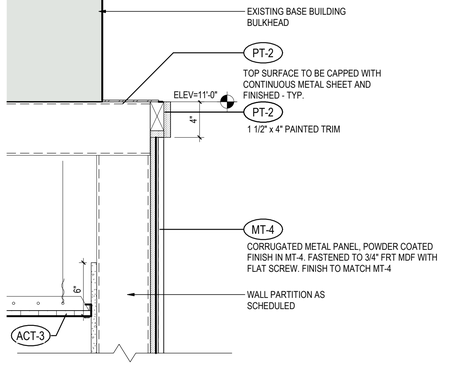
2 STOREFRONT BULKHEAD SECTION 2

1 1/2" = 1'-0"



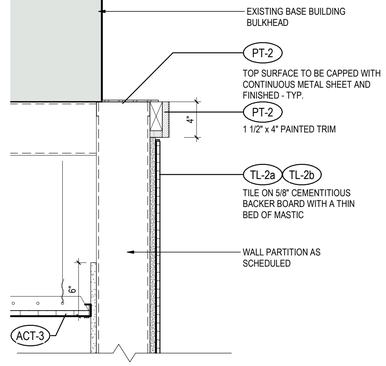
3 STOREFRONT BULKHEAD SECTION3

1 1/2" = 1'-0"



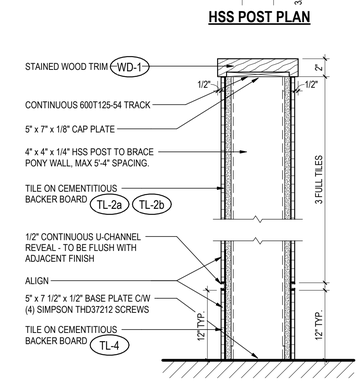
4 STOREFRONT SECTION 1

1 1/2" = 1'-0"



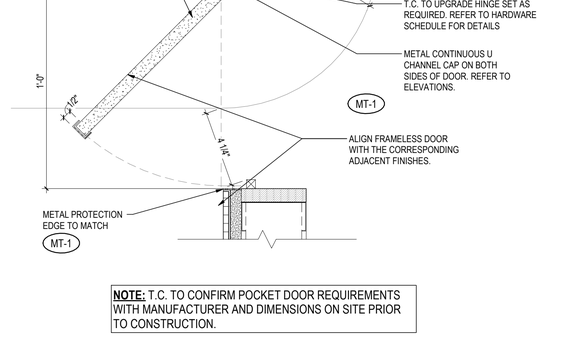
5 STOREFRONT SECTION 2

1 1/2" = 1'-0"



6 SECTION @ PONY WALL

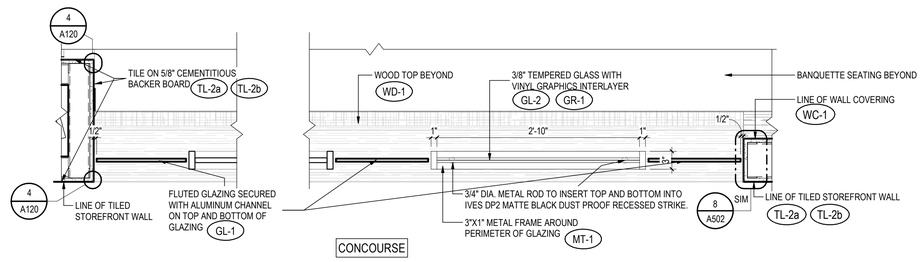
1 1/2" = 1'-0"



NOTE: T.C. TO CONFIRM POCKET DOOR REQUIREMENTS WITH MANUFACTURER AND DIMENSIONS ON SITE PRIOR TO CONSTRUCTION.

7 CLOSURE DOOR DETAIL PLAN

3" = 1'-0"



8 DETAIL - FLUTED GLAZING AND GLAZING WITH GRAPHICS

1" = 1'-0"

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Architect

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Brentwood, TN 37027
tel: (615) 227-7209

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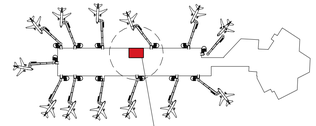


MATTISON'S CITY GRILLE
LEVEL 2 CONCOURSE B

TRUE NORTH

Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

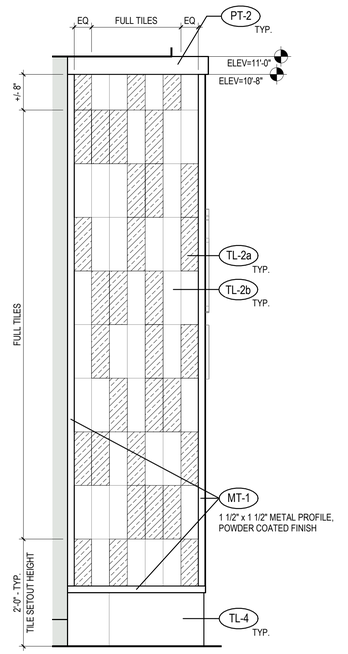
STOREFRONT SECTIONS AND DETAILS

Project No. 144323181

Scale As indicated

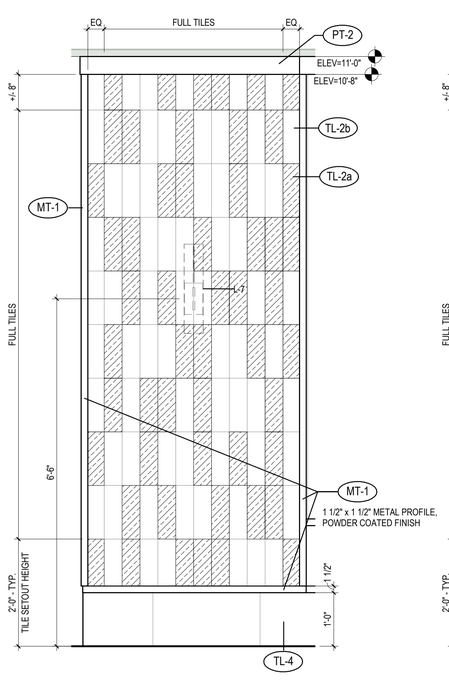
Revision

Drawing No. **A301**



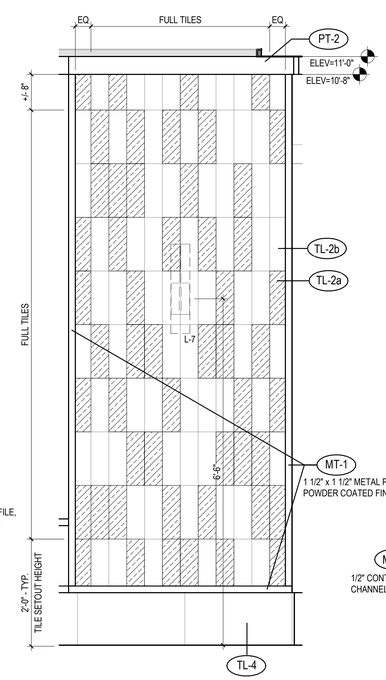
1 STOREFRONT WALL TILE LAYOUT

3/4" = 1'-0"



2 STOREFRONT WALL TILE LAYOUT

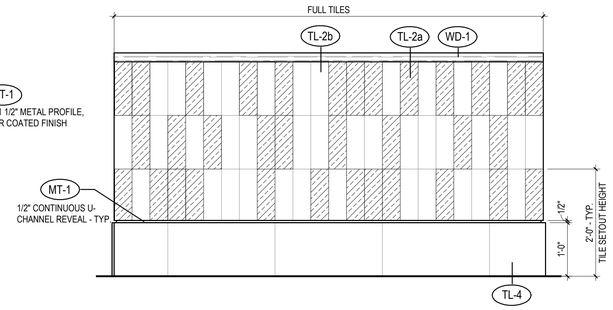
3/4" = 1'-0"



3 STOREFRONT WALL TILE LAYOUT

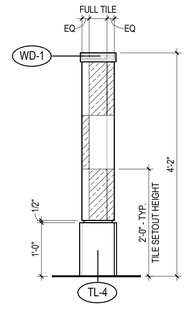
3/4" = 1'-0"

NOTE: TILE FINISH TO BE APPLIED TO ALL SIDES OF PONY WALL



4 PONYWALL WALL TILE LAYOUT - TYP

3/4" = 1'-0"



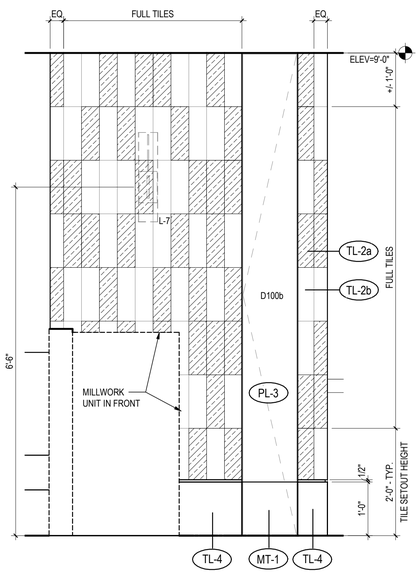
5 PONYWALL WALL TILE LAYOUT - TYP

3/4" = 1'-0"

WALL TILE LEGEND

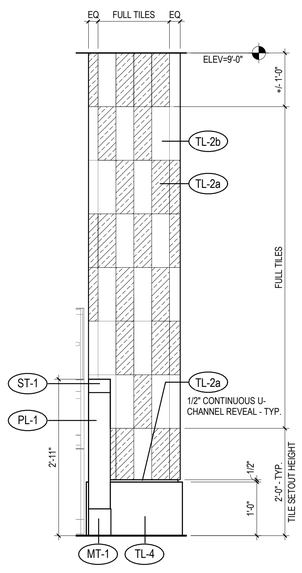
TL-2a - PORCELAIN TILE (DECOR PINK)

TL-2b - PORCELAIN TILE



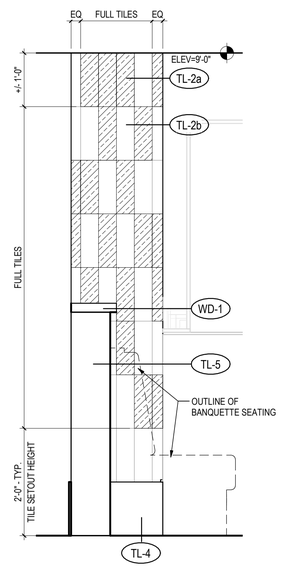
6 GRILLE ENCLOSURE WALL TILE LAYOUT

3/4" = 1'-0"



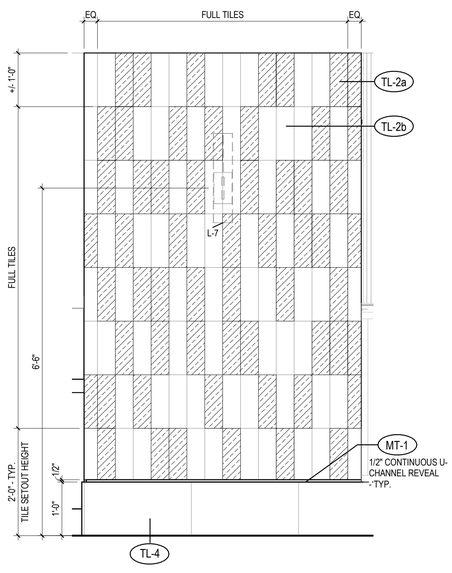
7 GRILLE ENCLOSURE WALL TILE LAYOUT

3/4" = 1'-0"



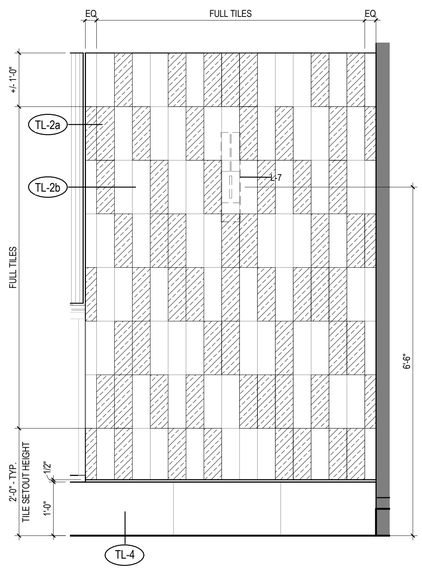
8 GRILLE ENCLOSURE WALL TILE LAYOUT

3/4" = 1'-0"



9 STOREFRONT/ HOLDROOM WALL TILE LAYOUT

3/4" = 1'-0"



10 STOREFRONT/ HOLDROOM WALL TILE LAYOUT

3/4" = 1'-0"

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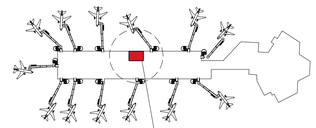
Notes



Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

STOREFRONT DETAIL - WALL TILE LAYOUT

Project No. 144323181

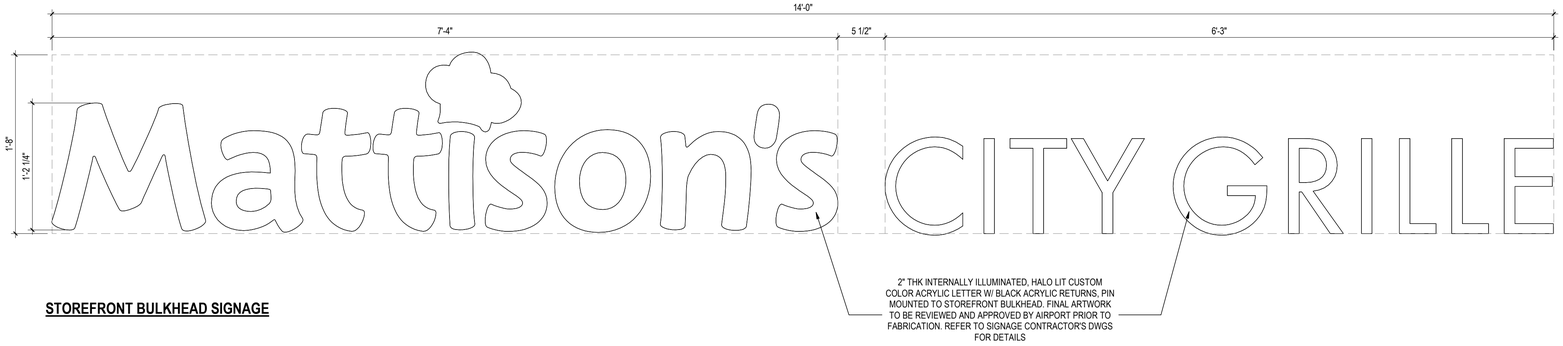
Scale As indicated

Revision

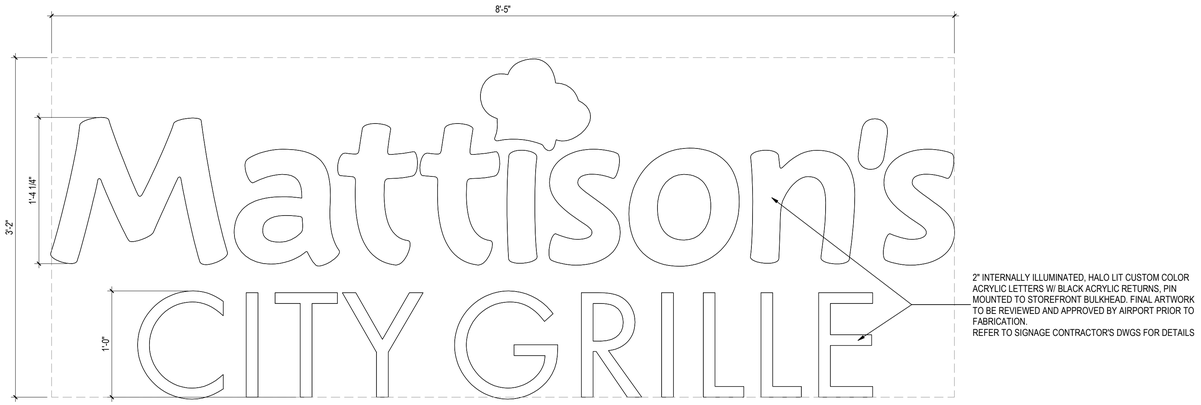
Drawing No. **A302**

ORIGINAL SHEET - ARCH D

FINAL SHOP DRAWING TO BE SUBMITTED ON A FUTURE DATE FOR AIRPORT SIGN OFF & APPROVAL



STOREFRONT BULKHEAD SIGNAGE



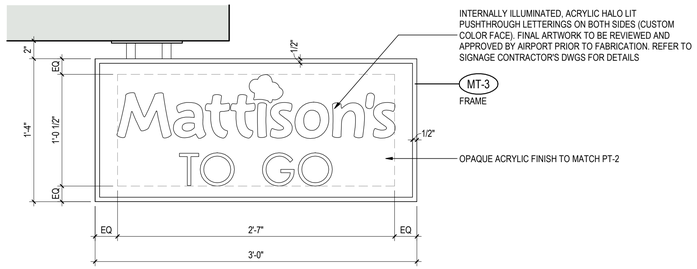
STOREFRONT MAIN SIGNAGE

1 SIGNAGE DETAILS

1 1/2" = 1'-0"

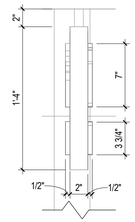
SIGNAGE RENDERING FOR REFERENCE ONLY

BLADE SIGN RENDERING FOR REFERENCE ONLY



2 BLADE SIGN FRONT VIEW

1 1/2" = 1'-0"



3 BLADE SIGN

1 1/2" = 1'-0"

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Brentwood, TN 37027
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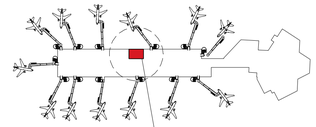


1 TENANT REVISION	MM	JR	2024.10.21
Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22
Issued	By	Appd	YYYY.MM.DD

File Name: N/A — Dwn. — Dsgn. — Chkd. — YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

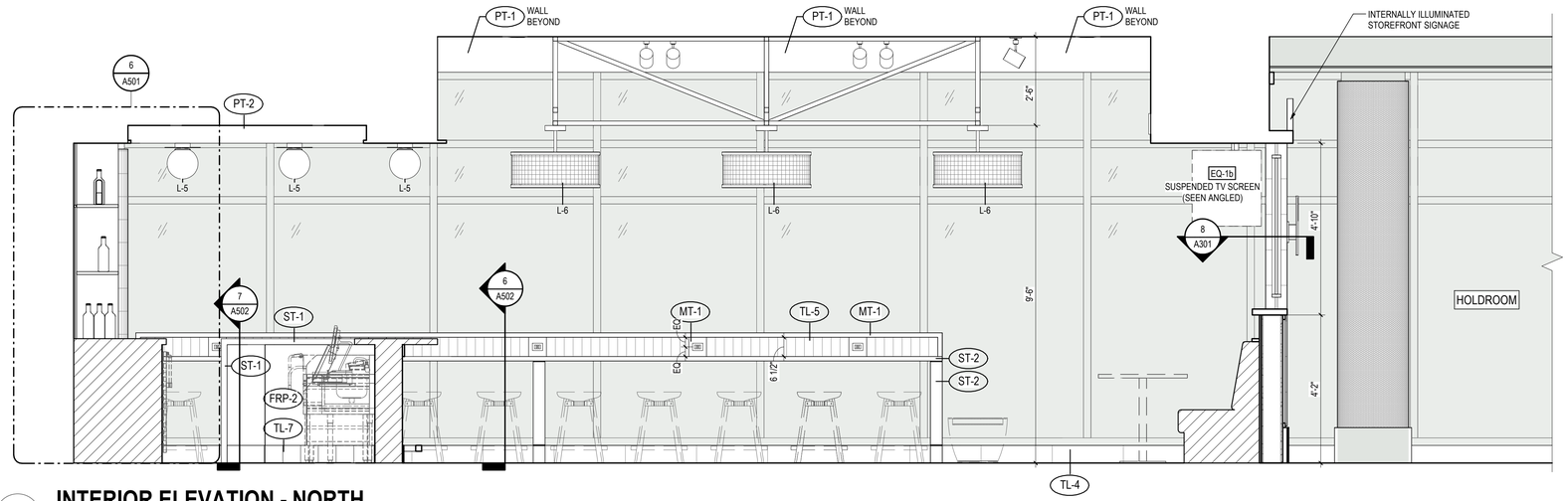
SIGNAGE & GRAPHIC PLAN, ELEVATIONS & DETAILS

Project No. 144323181

Scale 1 1/2" = 1'-0"

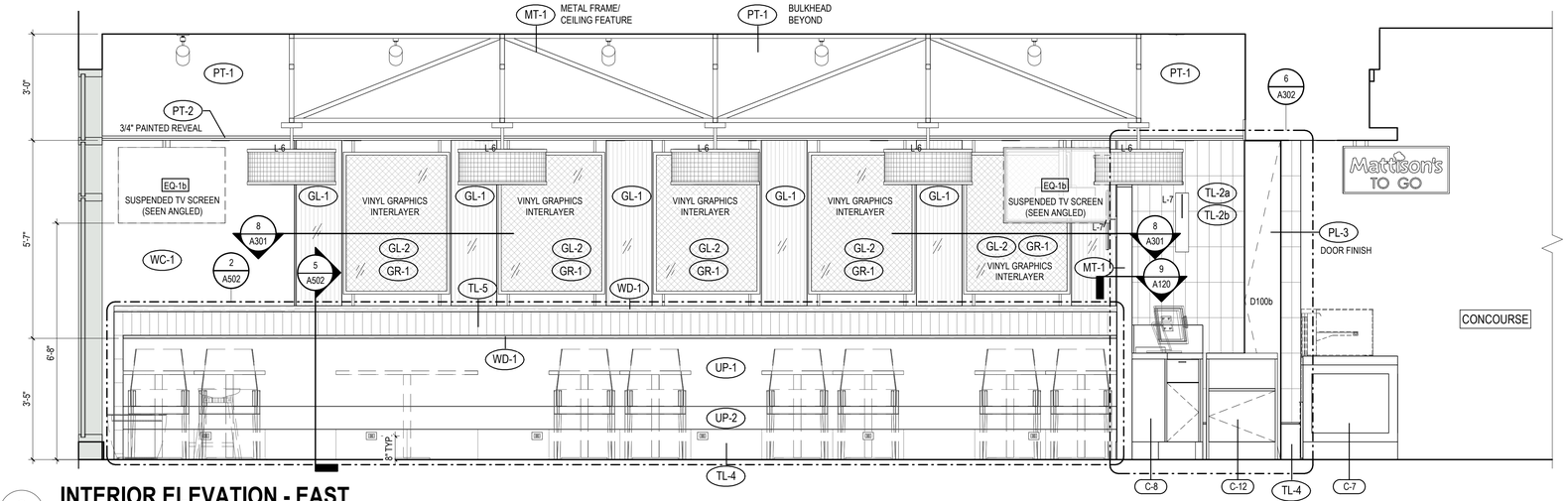
Revision 1

Drawing No. **A350**



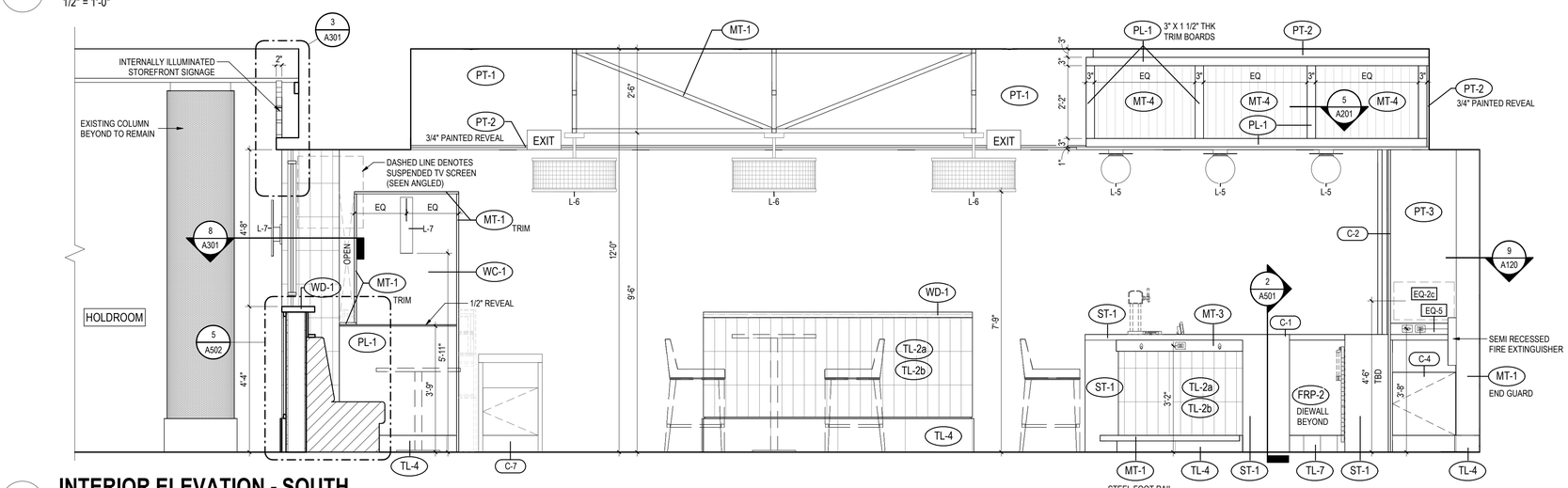
1 INTERIOR ELEVATION - NORTH

1/2" = 1'-0"



2 INTERIOR ELEVATION - EAST

1/2" = 1'-0"



3 INTERIOR ELEVATION - SOUTH

1/2" = 1'-0"

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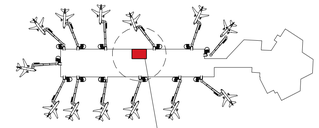


1	BID CLARIFICATION	NY	JR	2024.08.20
Revision		By	Appd	YYYY.MM.DD
	ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
	ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
	ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
	ISSUED FOR 90% CLIENT REVIEW	NY	JR	2024.04.22
Issued		By	Appd	YYYY.MM.DD

File Name: N/A

Dwn. Dsgn. Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

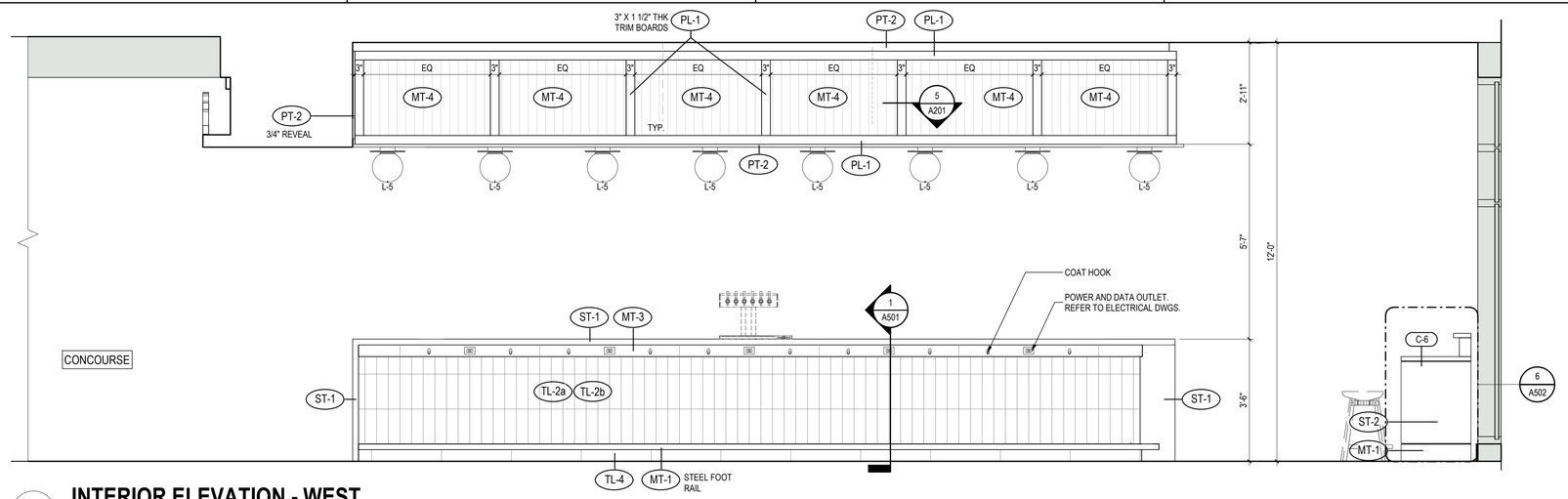
INTERIOR ELEVATIONS

Project No.
144323181

Scale
1/2" = 1'-0"

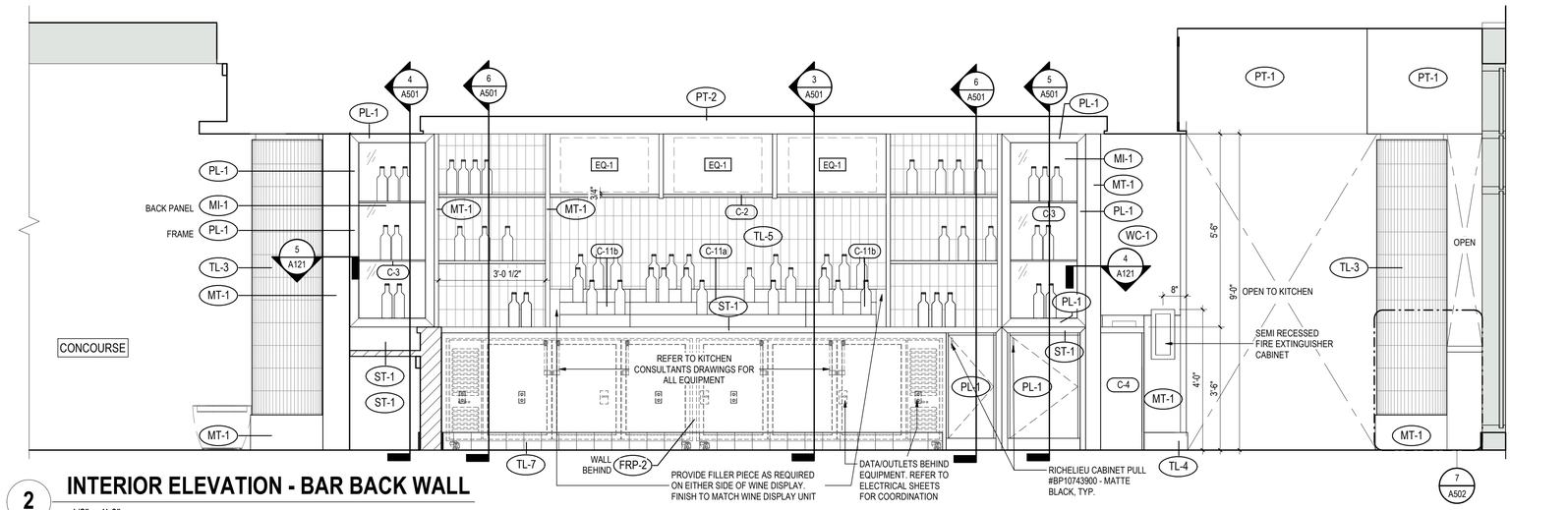
Revision
1

Drawing No.
A400



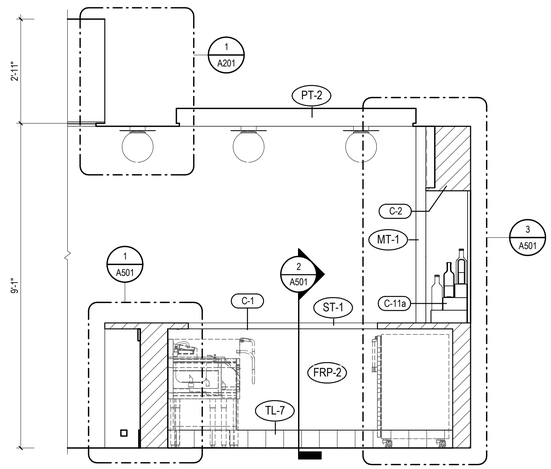
1 INTERIOR ELEVATION - WEST

1/2" = 1'-0"



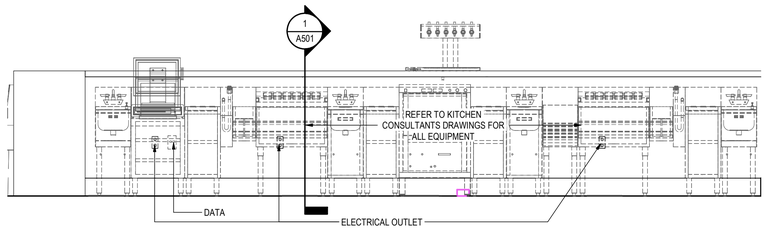
2 INTERIOR ELEVATION - BAR BACK WALL

1/2" = 1'-0"



3 INTERIOR ELEVATION - BAR SIDE WALL

1/2" = 1'-0"



4 INTERIOR ELEVATION - BAR FRONT WALL (WORKING SIDE)

1/2" = 1'-0"

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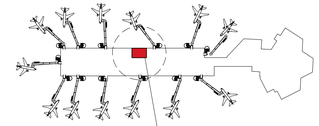


Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

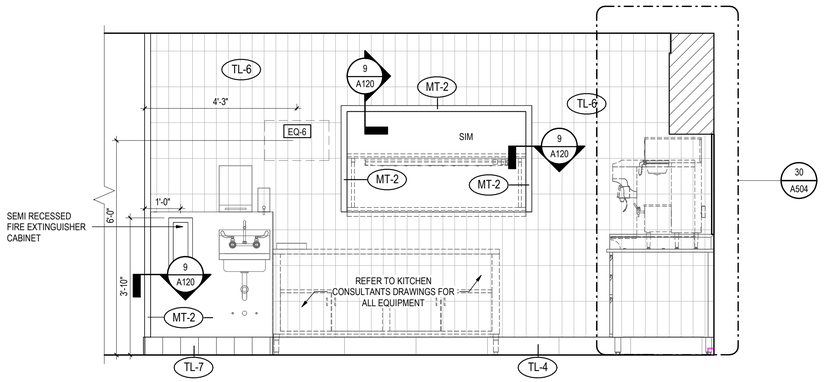
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

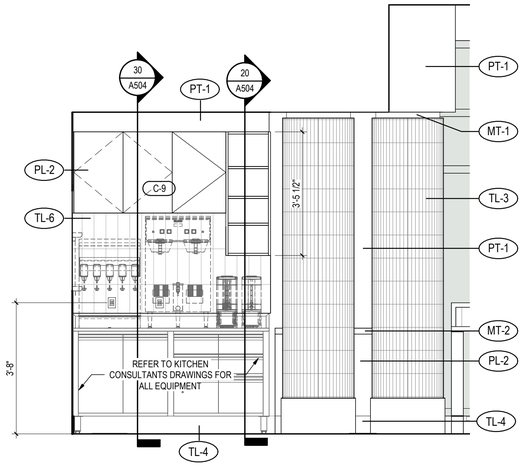
INTERIOR ELEVATIONS

Project No.	Scale
144323181	1/2" = 1'-0"
Revision	Drawing No.
	A401



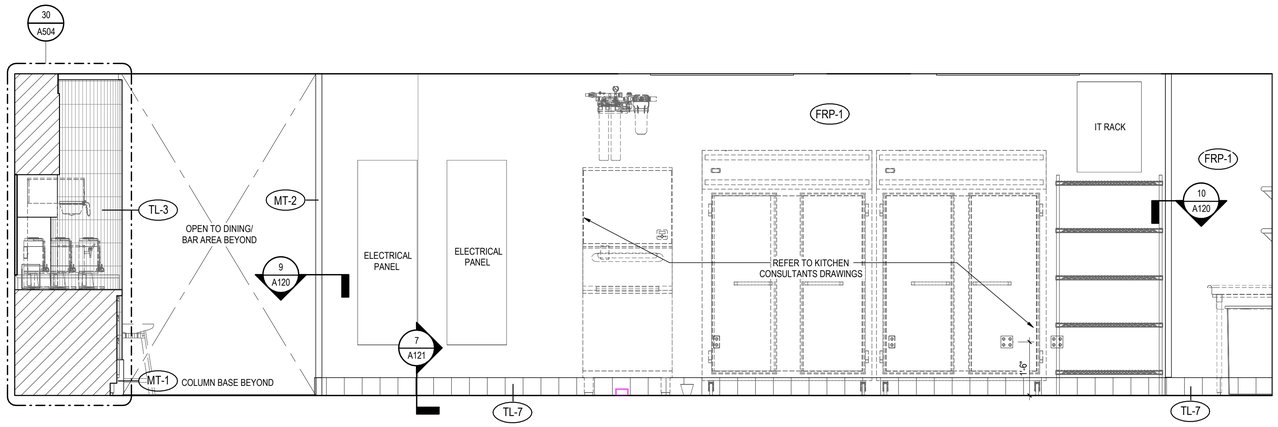
1 INTERIOR ELEVATION - SERVERY WEST

1/2" = 1'-0"



2 INTERIOR ELEVATION - SERVERY NORTH

1/2" = 1'-0"



3 INTERIOR ELEVATION - SERVERY/ BOH EAST

1/2" = 1'-0"

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tel: (615) 227-7209

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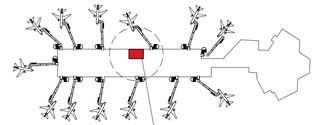


Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22
Issued	By	Appd	YYYY.MM.DD

File Name: N/A

Dwn. Dsgn. Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

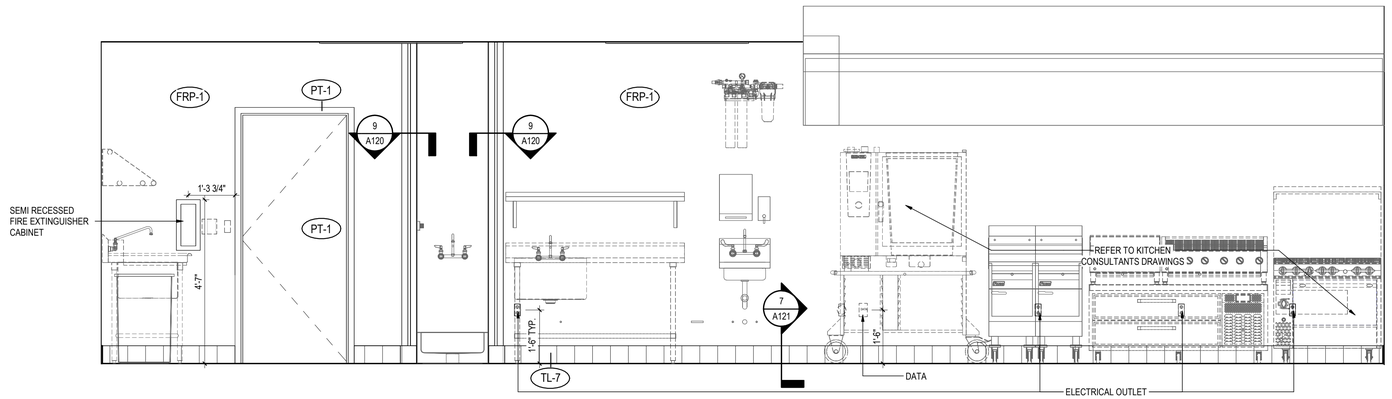
INTERIOR ELEVATIONS - SERVICE CORRIDOR

Project No.
144323181

Scale
1/2" = 1'-0"

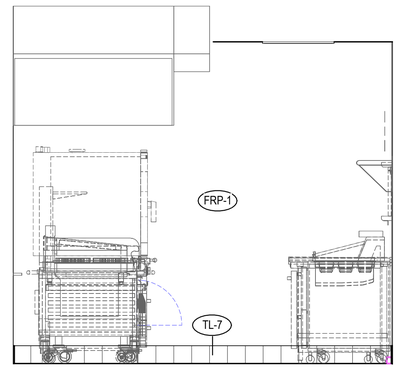
Revision

Drawing No.
A402



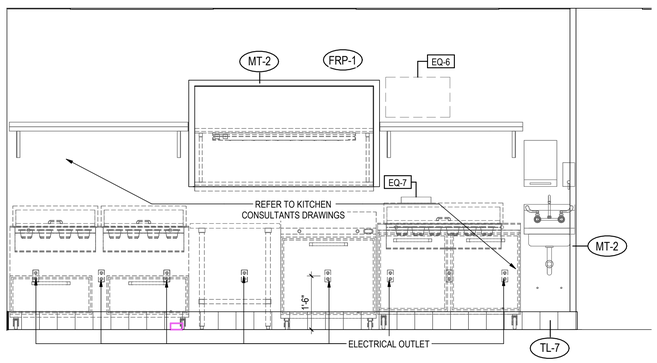
1 INTERIOR ELEVATION - BOH WEST

1/2" = 1'-0"



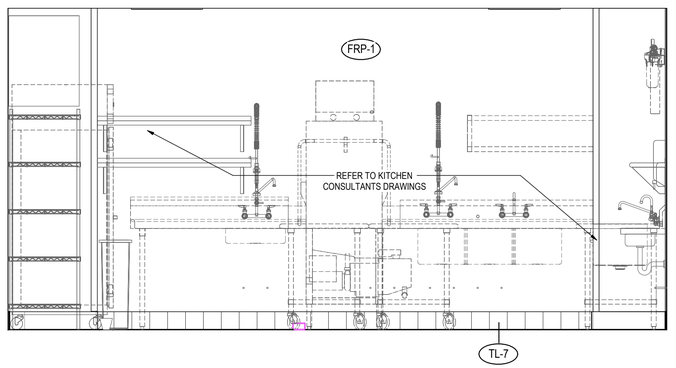
2 INTERIOR ELEVATION - BOH NORTH

1/2" = 1'-0"



3 INTERIOR ELEVATION - BOH EAST

1/2" = 1'-0"



4 INTERIOR ELEVATION - BOH SOUTH

1/2" = 1'-0"

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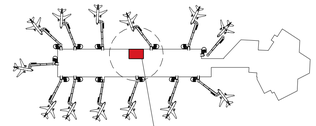


Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

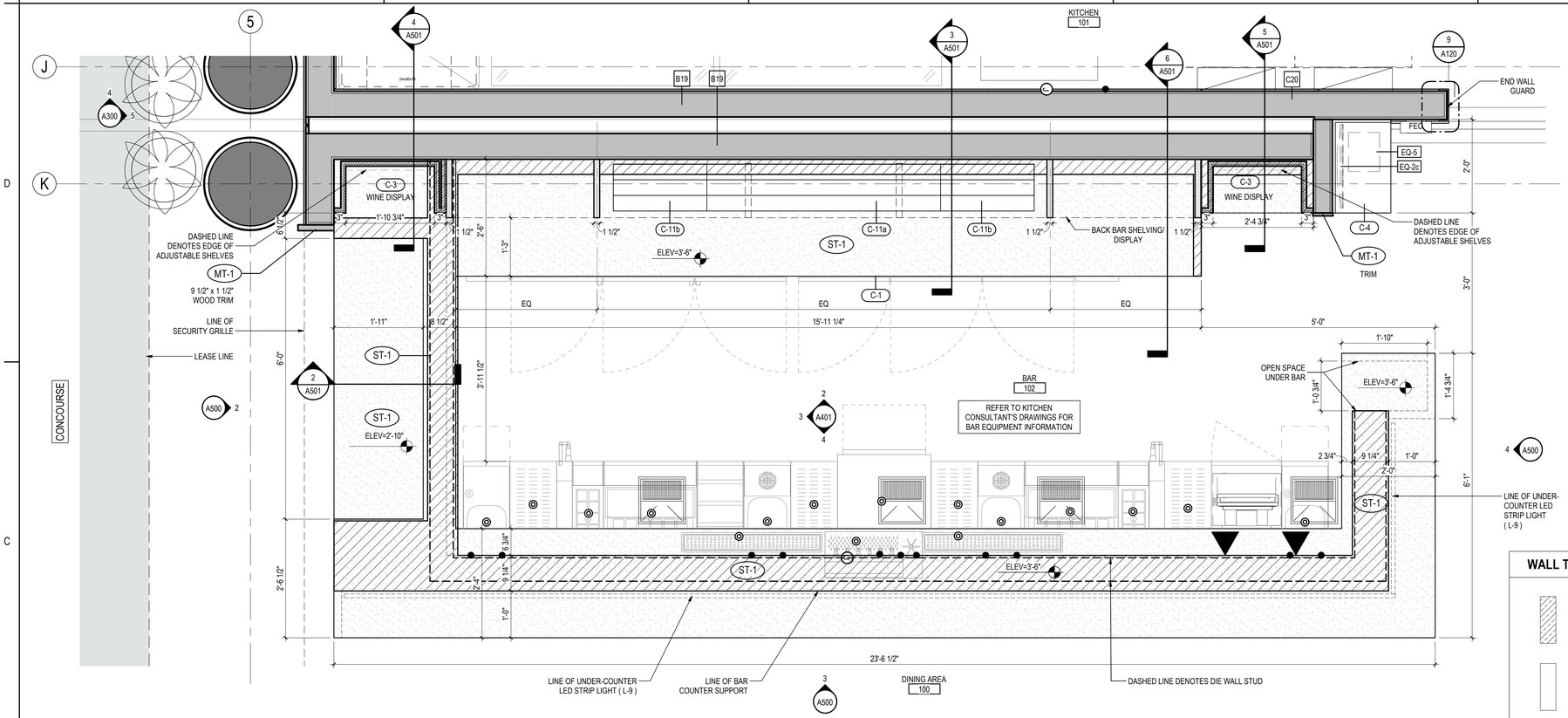
INTERIOR ELEVATIONS - BOH

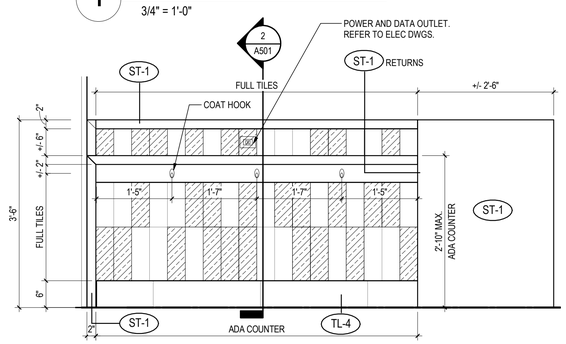
Project No. 144323181

Scale 1/2" = 1'-0"

Revision

Drawing No. **A403**



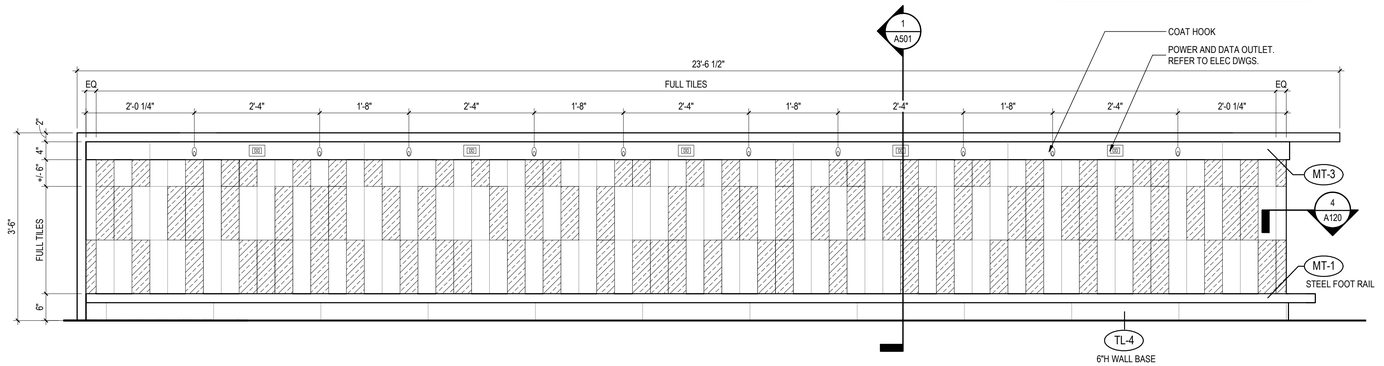


1 ENLARGED BAR PLAN

3/4" = 1'-0"

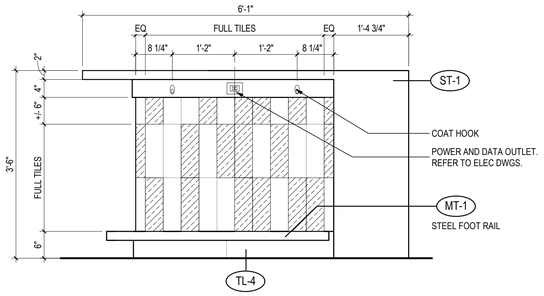
2 BAR COUNTER ELEVATION - NORTH

3/4" = 1'-0"



3 BAR COUNTER ELEVATION - WEST

3/4" = 1'-0"



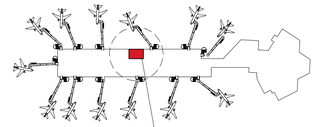
4 BAR COUNTER ELEVATION - SOUTH

3/4" = 1'-0"

WALL TILE LEGEND

TL-2a - PORCELAIN TILE (DECOR PINK)

TL-2b - PORCELAIN TILE



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Revision

	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22

Issued

By	Appd	YYYY.MM.DD

File Name: N/A

Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

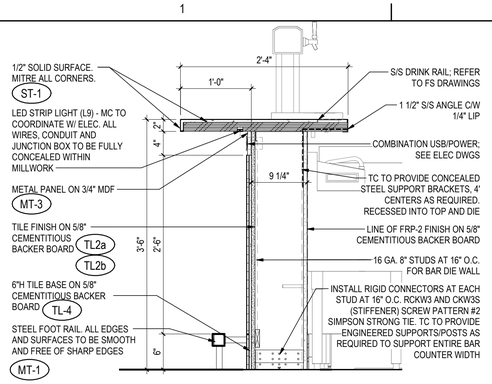
MILLWORK DETAILS - BAR COUNTER

Project No.
144323181

Scale
As indicated

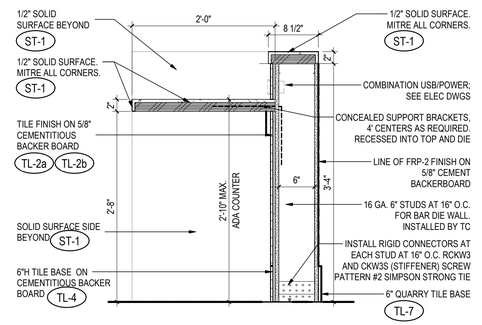
Revision

Drawing No.
A500



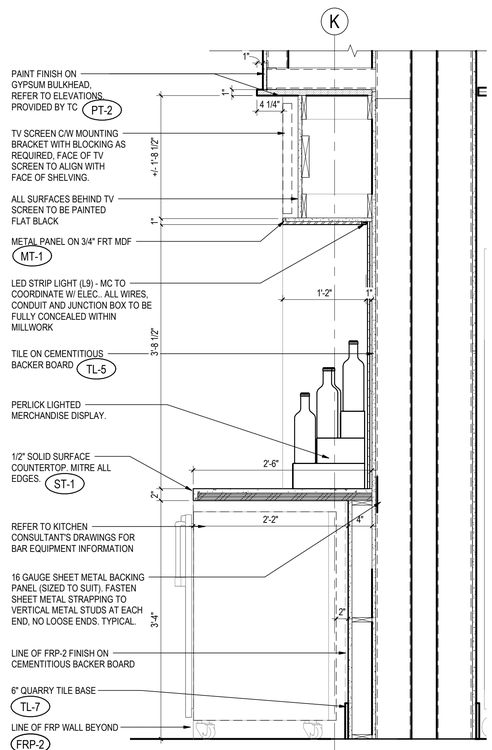
1 BAR COUNTER SECTION 1

1" = 1'-0"



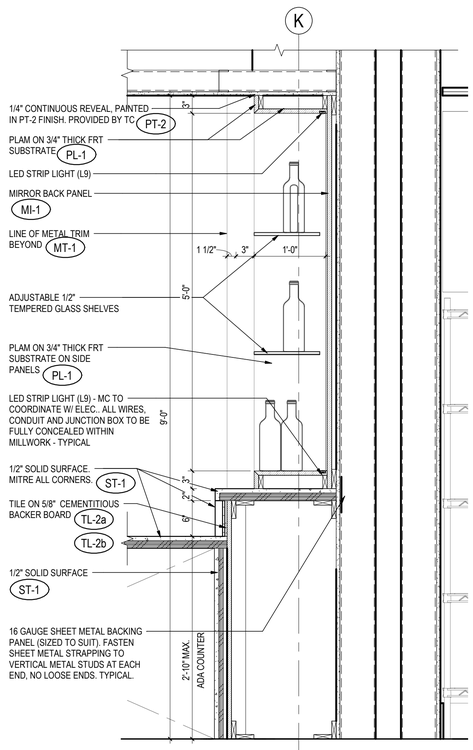
2 BAR COUNTER SECTION 2

1" = 1'-0"



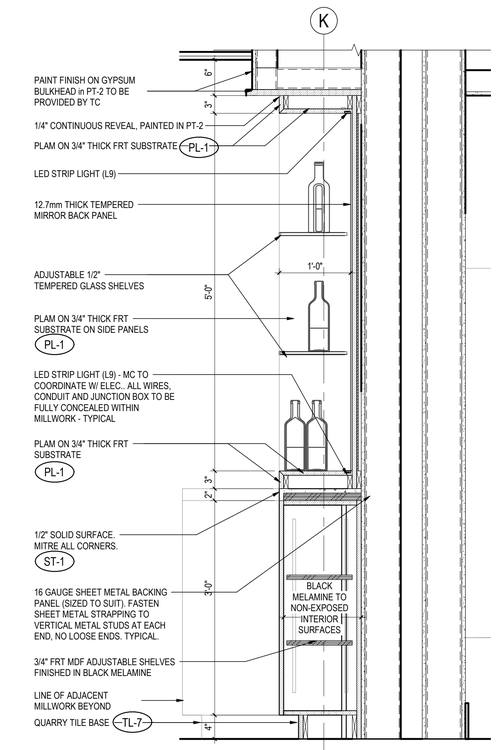
3 SECTION @ BACK BAR DISPLAY

1" = 1'-0"



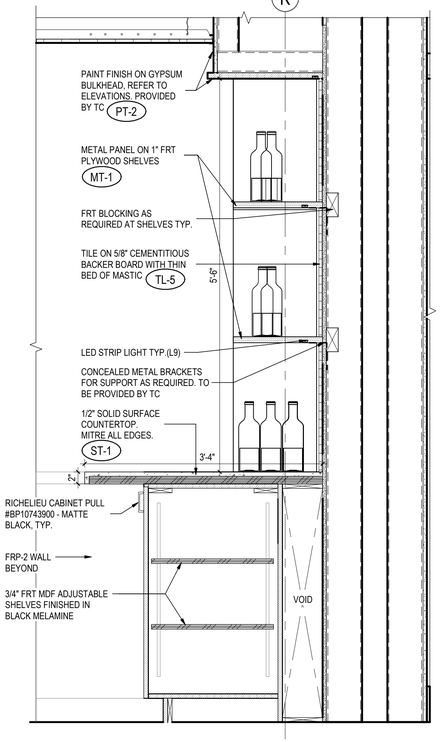
4 SECTION @ WINE DISPLAY 1

1" = 1'-0"



5 SECTION @ WINE DISPLAY 2

1" = 1'-0"



6 BAR SHELVING SECTION DETAIL

1" = 1'-0"

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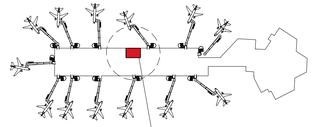
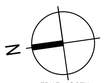


MATTISON'S CITY GRILLE
LEVEL 2 CONCOURSE B



TRUE NORTH

Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

MILLWORK DETAILS - BAR COUNTER

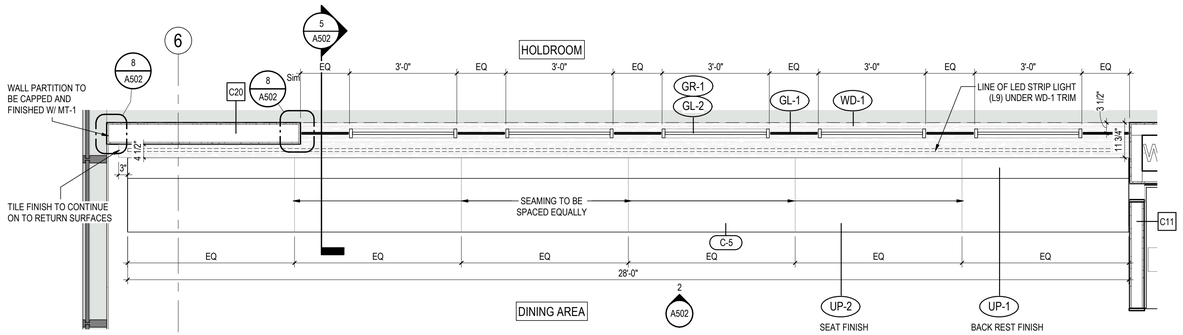
Project No.
144323181

Scale
1" = 1'-0"

Revision

Drawing No.
A501

ORIGINAL SHEET - ARCH D



1 ENLARGED BANQUETTE SEATING PLAN

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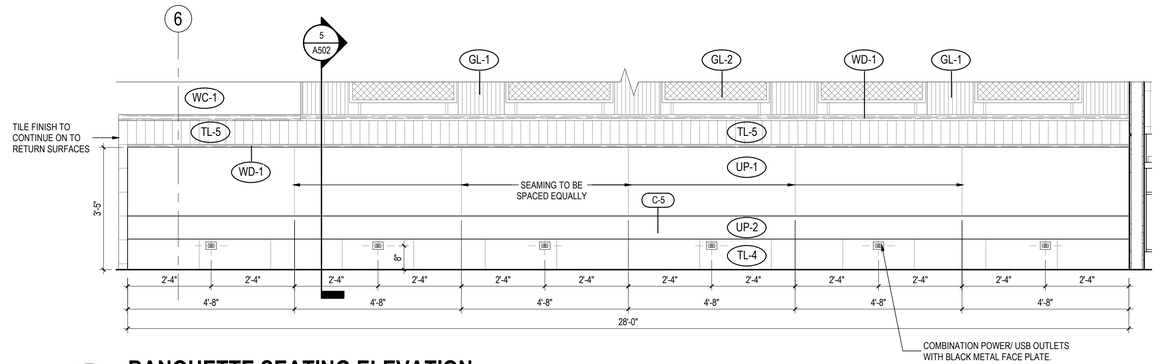
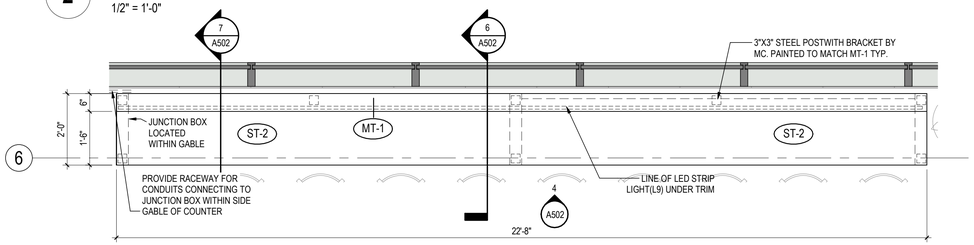


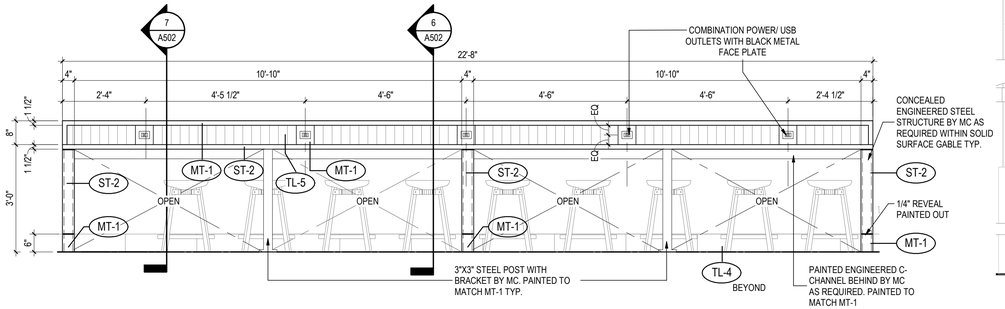
2 BANQUETTE SEATING ELEVATION

1/2" = 1'-0"



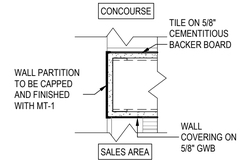
3 ENLARGED COUNTER PLAN

1/2" = 1'-0"



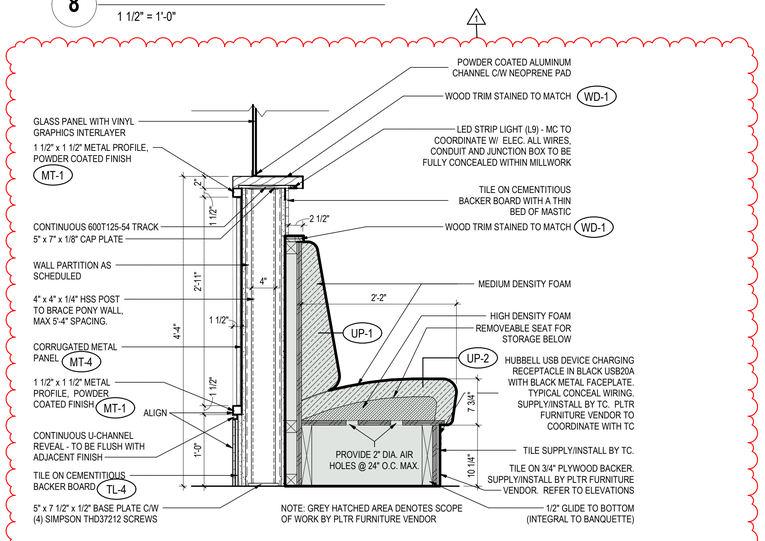
4 ENLARGED COUNTER ELEVATION

1/2" = 1'-0"



8 BANQUETTE SEATING END

1 1/2" = 1'-0"



5 BANQUETTE SEAT SECTION

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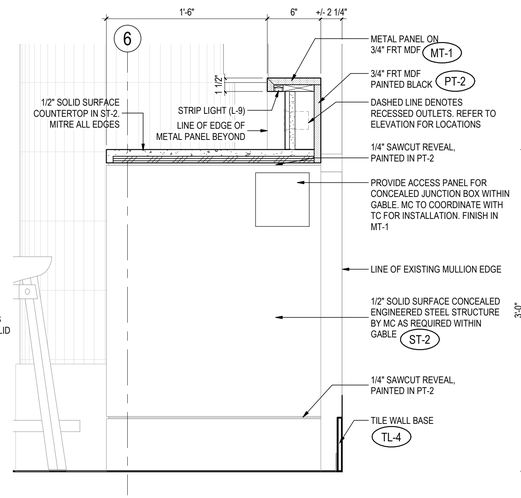
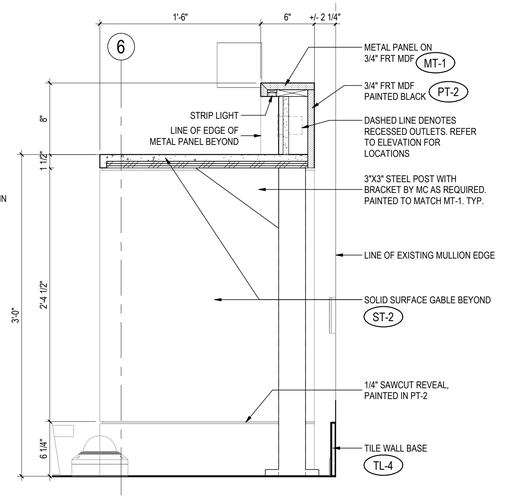


7 SECTION DETAIL @ COUNTER

1 1/2" = 1'-0"



6 SECTION DETAIL@ COUNTER

1 1/2" = 1'-0"

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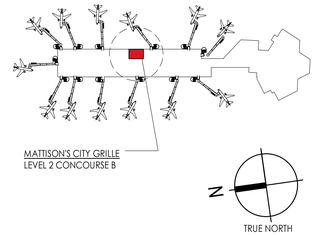

Revision	By	Appd	YYYY.MM.DD
1 CONSTRUCTION CLARIFICATION	MM	JR	2024.01.15

Issued	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
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ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22

File Name: N/A

Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

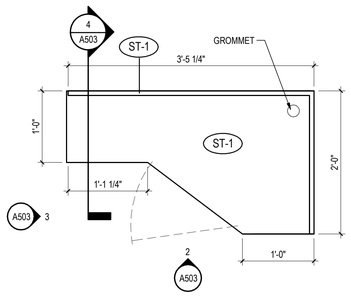
Title

MILLWORK DETAILS - BANQUETTE SEATING & PERIMETER COUNTER

Project No.	Scale
144323181	As indicated
Revision	Drawing No.
1	A502

<Pick location in Project Information>
1/15/2025 9:56:15 AM Autodesk Docs://144323181 Mattisons_City_Grille/RAD_mattison_ch_cen_144323181.rvt

ORIGINAL SHEET - ARCH D



1 GRAB & GO COUNTER PLAN

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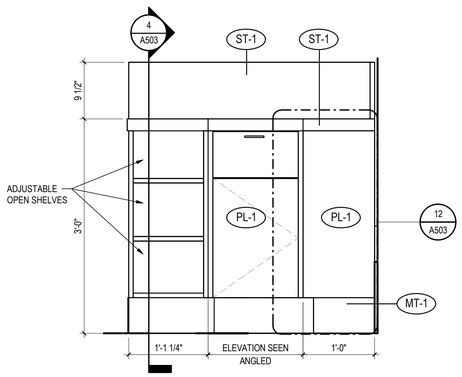
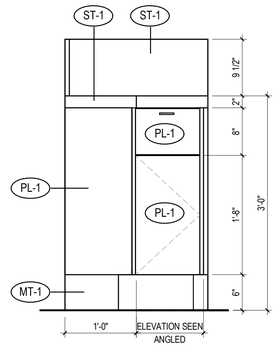


2 GRAB & GO FRONT ELEVATION

1" = 1'-0"



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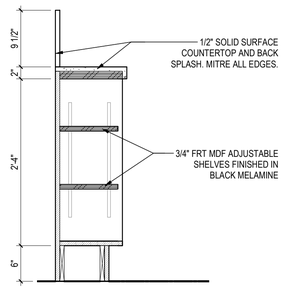

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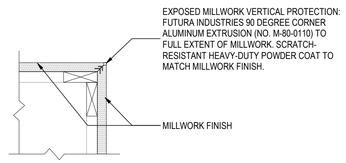
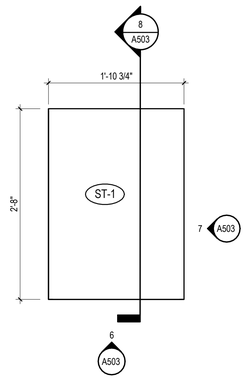


13 TYPICAL MILLWORK CORNER DETAIL

1 : 5



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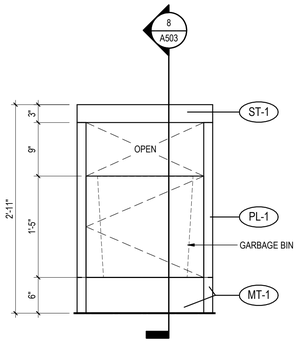

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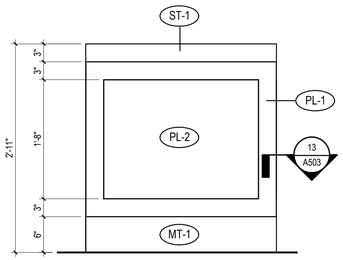

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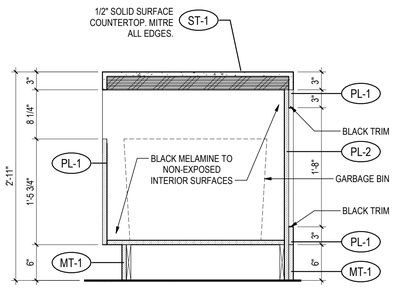
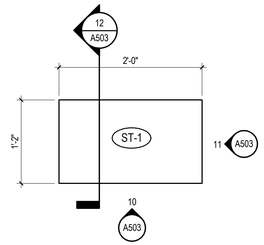


8 HAND-OFF COUNTER SECTION

1" = 1'-0"



9 MOVEABLE HOST STAND PLAN

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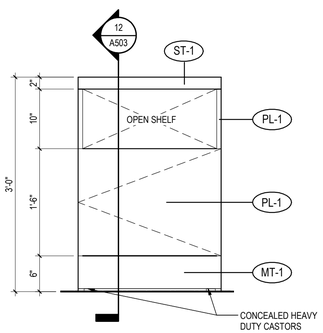

10 MOVEABLE HOST STAND FRONT ELEVATION

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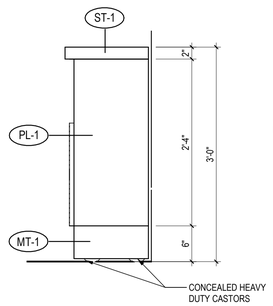

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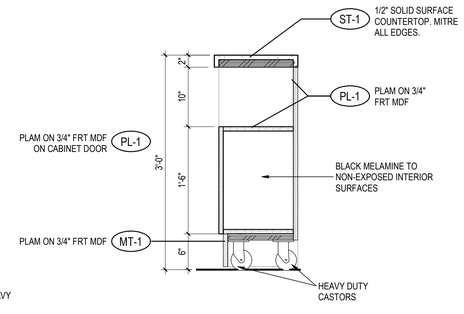

12 MOVEABLE HOST STAND SECTION

1" = 1'-0"

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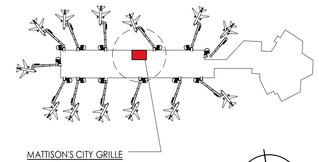
Notes



Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	MM	JR	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	NY/MM	JR	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	NY/MM	JR	2024.06.24
ISSUED FOR 30% CLIENT REVIEW	NY	JR	2024.04.22

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Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

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PARADIES LAGARDÈRE TRAVEL RETAIL

Mattison's City Grille

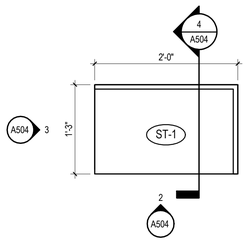
Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

MILLWORK DETAILS

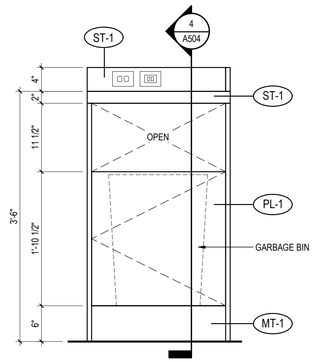
Project No.	Scale
144323181	As indicated
Revision	Drawing No.
	A503

ORIGINAL SHEET - ARCH D



1 C-4/POS COUNTER PLAN

1" = 1'-0"



2 POS COUNTER FRONT ELEVATION

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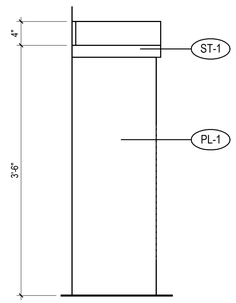

3 POS COUNTER SIDE ELEVATION

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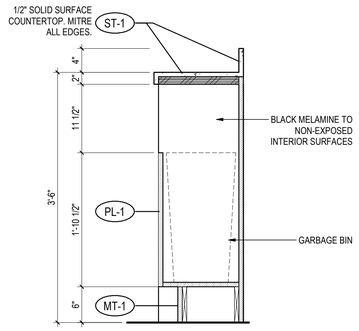

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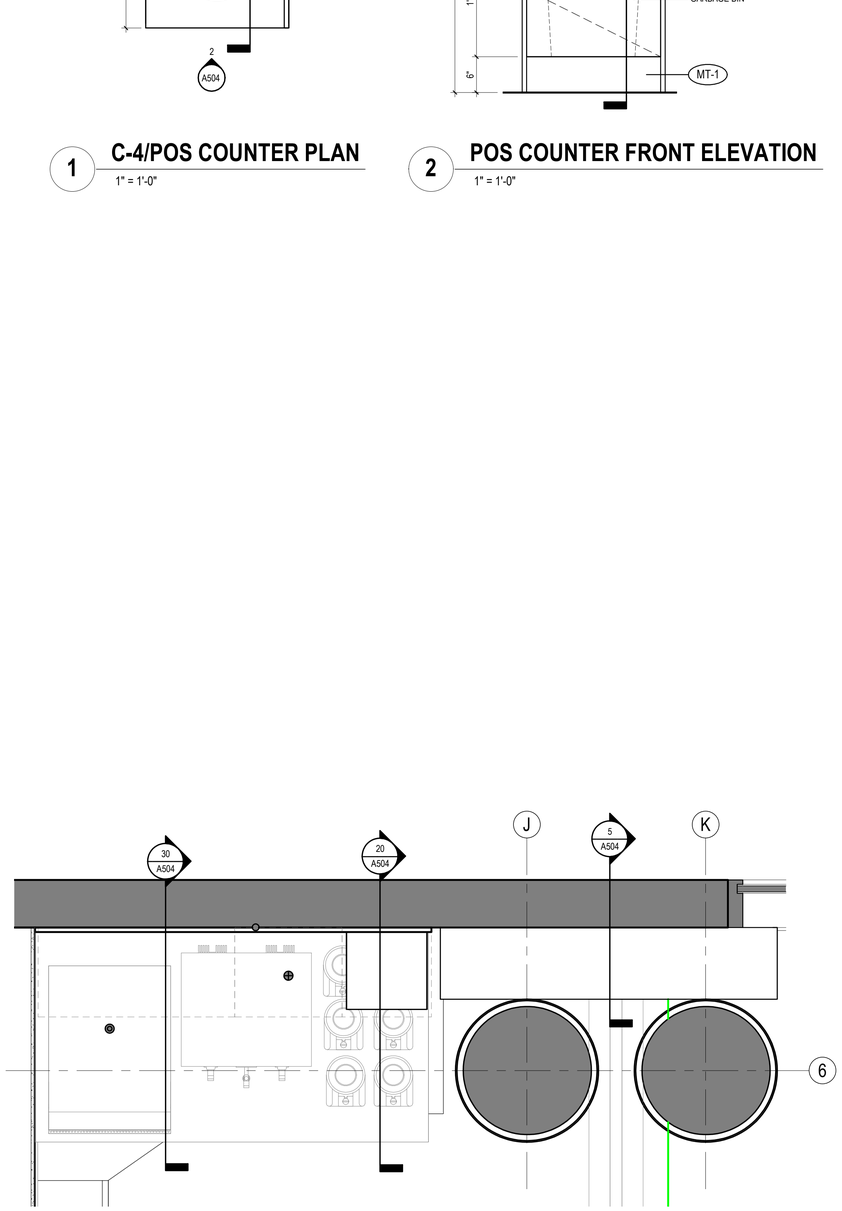

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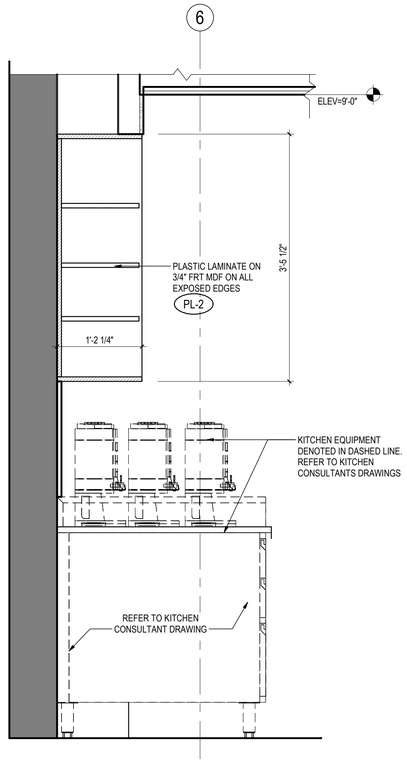

20 SECTION DETAIL @ SERVERY

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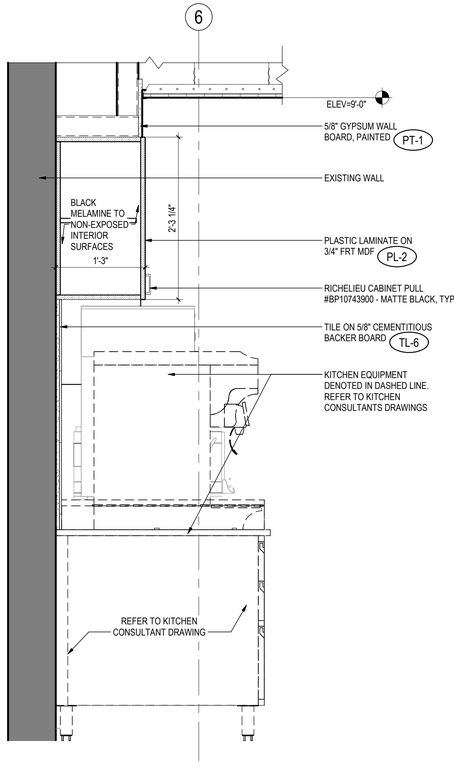

30 SECTION DETAIL @ SERVERY

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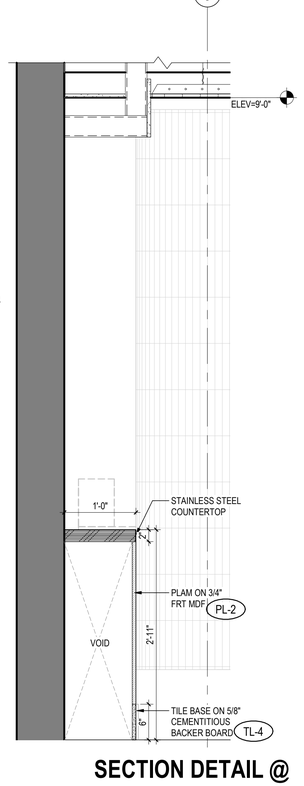

5 SECTION DETAIL @ FILLER MILLWORK

1" = 1'-0"

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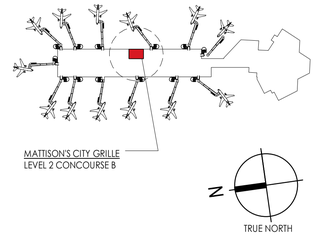

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File Name: N/A			
	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

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Mattison's City Grille

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Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

MILLWORK DETAILS

Project No.	Scale
144323181	1" = 1'-0"
Revision	Drawing No.
	A504

1 2 3 4 5

GENERAL INFORMATION

1 WHERE THE TERM "CONSULTANT" IS USED IN THE CONTRACT DOCUMENTS IT SHALL MEAN STANTEC ARCHITECTURE INC..

2 WHERE THE TERM "LANDLORD" IS USED IN THE CONTRACT DOCUMENTS IT SHALL MEAN THE PERSON OR ENTITY THAT ADMINISTERS AND CONTROLS THE PREMISES LEASED OR RENTED TO THE LEASEHOLDER/TENANT.

3 WHERE THE TERM "LEASEHOLDER/TENANT" IS USED IN THE CONTRACT DOCUMENTS IT SHALL MEAN THE PARADIES LAGARDÈRE TRAVEL RETAIL

4 WHERE THE TERM "CONTRACTOR" IS USED IN THE CONTRACT DOCUMENTS IT SHALL MEAN TENANT CONTRACTOR.

5 CONFORM, IF APPLICABLE, TO THE LANDLORD'S RULES AND REGULATIONS FOR TENANT CONTRACTORS WORKING IN THE BUILDING. IN PARTICULAR, INCORPORATE REQUIREMENTS OF THE LANDLORD'S TECHNICAL GUIDELINE SPECIFICATION AND DETAILS IN THE WORK.

6 ENSURE THAT THE WORK INCLUDES ALL LABOR, EQUIPMENT AND PRODUCTS REQUIRED, NECESSARY OR NORMALLY RECOGNIZED WITHIN RESPECTIVE TRADE PRACTICES, AS NECESSARY FOR THE PROPER AND COMPLETE EXECUTION OF THE WORK.

7 PERFORM ALL WORK IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, CONSULTANT'S DIRECTIONS, MANUFACTURER'S PRINTED INSTRUCTIONS, APPROVED SAMPLES, MOCKUPS AND THE REQUIREMENTS OF REGULATORY AUTHORITIES HAVING JURISDICTION AS APPLICABLE.

8 DRAWINGS ARE IN PART DIAGRAMMATIC AND ARE INTENDED TO CONVEY SPECIFIC CONTENT OF WORK REQUIRED AND, AS SUCH, INDICATE GENERAL AND APPROXIMATE LOCATION, ARRANGEMENT AND SIZES OF MATERIALS, ELEMENTS, FIXTURES, EQUIPMENT AND OUTLETS. OBTAIN MORE ACCURATE INFORMATION ABOUT LOCATIONS, ARRANGEMENT AND SIZES BY STUDYING, AND CORRELATING THE CONTRACT DOCUMENTS AND DRAWINGS, INCLUDING COORDINATION WITH THE SHOP DRAWINGS, AND BECOMING TOTALLY FAMILIAR WITH CONDITIONS AND SPACES AFFECTING THESE MATTERS BEFORE PROCEEDING WITH THE WORK. INSTALL AND ARRANGE FIXTURES AND EQUIPMENT IN SUCH A WAY AS TO CONSERVE AS MUCH HEADROOM CLEARANCE AND SPACE AS POSSIBLE.

9 PERFORM ALL WORK IN ACCORDANCE WITH 2022 CBC, AIRPORT UNIVERSAL DESIGN REQUIREMENTS , AND ALL REGULATORY AUTHORITIES HAVING JURISDICTION AS APPLICABLE.

DIVISION 1 - GENERAL REQUIRMENTS.

SECTION 01 10 00 - GENERAL INSTRUCTIONS

1 ACCESS TO THE WORK FOR WORKERS, DELIVERY OF MATERIALS, USE OF ELEVATORS, GARBAGE REMOVAL, SECURITY, HOISTS, TEMPORARY POWER, WATER AND SANITARY FACILITIES SHALL BE SUBJECT TO THE RESTRICTIONS IMPOSED BY THE LANDLORD.

2 ALL WORK TO BE IN ACCORDANCE THE LANDLORD'S CONSTRUCTION RULES AND REGULATIONS.

3 INSPECT BY X-RAY OR ULTRASOUND (PER AIRPORT REQUIREMENTS) ALL FLOOR PENETRATIONS AND CONFIRM LAYOUT WITH THE LANDLORD AND LANDLORD'S STRUCTURAL ENGINEER PRIOR TO ANY CORING OR CUTTING.

4 CONTRACTOR SHALL IDENTIFY ITS STAGING AREA TO THE LANDLORD'S SATISFACTION.

5 COOPERATE WITH OTHER CONTRACTORS WORKING ON SITE.

6 THE LEASEHOLDER/TENANT, LANDLORD AND ITS TENANTS WILL OCCUPY THE EXISTING PREMISES DURING ENTIRE CONSTRUCTION PERIOD.

7 FREE ACCESS BY THE LEASEHOLDER/TENANT, LANDLORD, ITS TENANTS AND THE PUBLIC TO AREAS NOT UNDER CONSTRUCTION SHALL BE MAINTAINED AT ALL TIMES.

8 MAINTAIN EXISTING ENTRANCES AND FIRE EXITS FREE FROM OBSTRUCTION THROUGHOUT ALTERATION WORK.

9 WHERE JOB CONDITIONS REQUIRE REASONABLE ADJUSTMENTS IN THE INDICATED LOCATIONS AND EXTENT, MAKE THE NECESSARY MODIFICATIONS AT NO ADDITIONAL COST TO THE LEASEHOLDER/TENANT.

10 OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR THE PERFORMANCE OF THE WORK.

11 EXCEPT WHERE A REFERENCE STANDARD IS SPECIFICALLY DATED IN THE SPECIFICATIONS, REFERENCES TO STANDARDS SHALL BE TAKEN TO MEAN THE LATEST EDITION IN EFFECT AT THE DATE OF AWARD OF THE CONTRACT.

SECTION 01 31 00 - PROJECT MANAGING AND COORDINATION

1 CONTRACTOR IS REQUIRED TO VISIT THE SITE PRIOR TO SUBMITTING BID TO EXAMINE SITE CONDITIONS AND ASSESS RISKS AND REQUIREMENTS FOR COMPLETING WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY OBSERVE AND DETERMINE EXISTING CONDITIONS.

2 NO PAYMENTS FOR EXTRA WORK SHALL BE MADE BY THE LEASEHOLDER/TENANT TO A CONTRACTOR FOR CONDITIONS WHICH CAN BE DETERMINED BY EXAMINATION OF THE SITE OR ATTENDANCE AT THE PRE-BID SITE/INFORMATION MEETING(S), OR BOTH.

3 ABIDE BY THE LANDLORD'S SECURITY REQUIREMENTS DURING THE WORK. OBTAIN BASE BUILDING GENERAL CONTRACTOR AND LANDLORD'S PERMISSION PRIOR TO COMMENCING ANY WORK AND ENSURE WORKERS OBSERVE ALL OF THE EXISTING SECURITY REGULATIONS WHEREVER SUCH REGULATIONS APPLY. CONTRACTOR HAS THE SOLE AND COMPLETE RESPONSIBILITY FOR SAFETY DURING THE WORK. CONTRACTOR TO EXERCISE CAUTION IN ALL MATTERS RELATING TO THE PUBLIC AND CONSTRUCTION SAFETY, AND SHALL ADHERE TO FEDERAL, STATE, MUNICIPAL AND AIRPORT HEALTH AND SAFETY REGULATIONS.

4 IF WHILE CARRYING OUT THE WORK, CONDITIONS ARE EXPOSED WHICH ARE IN CONTRAVENTION WITH APPLICABLE REGULATORY CODES AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION, UNSAFE OR IN ANY WAY LESS THAN THE ACCEPTABLE INDUSTRY STANDARD FOR THE PARTICULAR ITEM, IMMEDIATELY NOTIFY THE CONSULTANT BEFORE PROCEEDING WITH FURTHER WORK. THE CONSULTANT WILL REVIEW THE CONDITION AND ISSUE THE APPROPRIATE INSTRUCTION.

5 CONTRACTOR IS RESPONSIBLE FOR SAFETY ON THE JOBSITE. COMPLY WITH THE RELEVANT OCCUPATIONAL HEALTH AND SAFETY ASSOCIATION (OSHA) REGULATIONS AT ALL TIMES.

6 EXCEPT AS SPECIFICALLY PROVIDED FOR IN OTHER SECTIONS OF THE SPECIFICATIONS, THE CONSULTANT AND CONTRACTOR WILL RESPOND PROMPTLY IN ALL MATTERS CONCERNING THE WORK AND EACH WILL BE AFFORDED A REASONABLE AMOUNT OF TIME TO RESPOND TO THE COMMUNICATION RECEIVED FROM THE OTHER. RESPONSE TIME OF UP TO FIVE (5) WORKING DAYS IS CONSIDERED REASONABLE.

7 ENSURE APPLICABLE ITEMS, ARTICLES, NOTICES AND ORDERS ARE POSTED IN CONSPICUOUS LOCATION ON SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LANDLORD AND ALL ACTS AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION, AND IN CONSULTATION WITH CONSULTANT.

8 IMMEDIATELY ADDRESS HEALTH AND SAFETY NON-COMPLIANCE ISSUES IDENTIFIED BY AUTHORITY HAVING JURISDICTION OR BY CONSULTANT. PROVIDE CONSULTANT WITH WRITTEN REPORT OF ACTION TAKEN TO CORRECT NON-COMPLIANCE OF HEALTH AND SAFETY ISSUES IDENTIFIED. CONSULTANT MAY STOP WORK IF NON-COMPLIANCE OF HEALTH AND SAFETY REGULATIONS IS NOT CORRECTED.

9 PROVIDE FIRE EXTINGUISHER IN ACCORDANCE WITH LOCAL AUTHORITIES HAVING JURISDICTION AND KEEP ON HAND AT ALL TIMES. CONFIRM EXACT LOCATION WITH LEASEHOLDER/TENANT AND LANDLORD IN THE FIELD. MAINTAIN ACCESS FOR THE FIRE DEPARTMENT TO THE WORK AND SPRINKLER CONNECTIONS. MAINTAIN PLACED OR INSTALLED FIRE RESISTIVE CONSTRUCTION TO PROTECT THE PORTIONS OF THE WORK DURING CONSTRUCTION.

10 THE LIMIT OF THE WORK OF THE CONTRACT IS DESIGNATED ON THE DRAWINGS. THE EXACT BOUNDARIES OF THE WORKING AREAS IN WHICH THE CONTRACTOR WILL OPERATE, HOWEVER, WILL BE DETERMINED IN THE FIELD IN CONSULTATION WITH THE LEASEHOLDER/TENANT, LANDLORD AND THE CONTRACTOR.

11 LEASEHOLDER/TENANT FURNISHED ITEMS: CONTACT LEASEHOLDER/TENANT'S CONSTRUCTION MANAGER FOR INFORMATION ON LEASEHOLDER/TENANT SUPPLIED ITEMS. SOME ITEMS ARE LEASEHOLDER/TENANT PROVIDED, CONTRACTOR INSTALLED, OTHER ITEMS ARE PROVIDED AND INSTALLED BY THE LEASEHOLDER/TENANT.

SECTION 01 33 00 - SUBMITTAL PROCEDURES

1 PROVIDE THREE (3) COPIES OF THE SUBMITTALS LISTED BELOW TO THE CONSULTANT FOR REVIEW AND ONE DUPLICATE COPY DIRECTLY AND CONCURRENTLY TO THE LEASEHOLDER/TENANT FOR THEIR RECORDS:

1.1 SHOP DRAWINGS AS REQUIRED IN DIVISIONS 2-12.

1.2 PRODUCT DATA AS REQUIRED IN DIVISIONS 2-12.

1.3 SAMPLES AS REQUIRED IN DIVISIONS 2-12.

2 SHOP DRAWINGS INDICATE MATERIALS, METHODS OF CONSTRUCTION AND ATTACHMENT OR ANCHORAGE, ERECTION DIAGRAMS, CONNECTIONS, EXPLANATORY NOTES AND OTHER INFORMATION NECESSARY FOR COMPLETION OF WORK. WHERE ARTICLES OR EQUIPMENT ATTACH OR CONNECT TO OTHER ARTICLES OR EQUIPMENT, INDICATE THAT SUCH ITEMS HAVE BEEN COORDINATED, REGARDLESS OF SECTION UNDER WHICH ADJACENT ITEMS WILL BE SUPPLIED AND INSTALLED. INDICATE CROSS REFERENCES TO DESIGN DRAWINGS AND SPECIFICATIONS.

3 WHERE COLOR, PATTERN OR TEXTURE IS CRITERION, SUBMIT FULL RANGE OF SAMPLES.

4 ALLOW FIVE (5) WORKING DAYS FOR CONSULTANT'S REVIEW OF EACH SUBMISSION.

5 ADJUSTMENTS MADE TO SUBMITTALS BY CONSULTANT ARE NOT INTENDED TO CHANGE CONTRACT PRICE. IF ADJUSTMENTS AFFECT VALUE OF WORK, STATE SUCH IN WRITING TO CONSULTANT PRIOR TO PROCEEDING WITH WORK.

6 MAKE CHANGES TO SUBMITTALS AS CONSULTANT MAY REQUIRE, CONSISTENT WITH CONTRACT DOCUMENTS. WHEN RESUBMITTING, NOTIFY CONSULTANT IN WRITING OF ANY REVISIONS OTHER THAN THOSE REQUESTED.

7 PROVIDE SUBMITTALS WITH REASONABLE PROMPTNESS AND IN ORDERLY SEQUENCE SO AS TO NOT CAUSE DELAY IN WORK. NO WORK DEPENDENT ON SHOP DRAWING INFORMATION SHALL PROCEED UNTIL REVIEW IS GIVEN AND VERIFICATION RECEIVED FROM THE CONSULTANT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORK PERFORMED PRIOR TO RECEIPT OF REVIEWED SHOP DRAWINGS. NO REVIEW COMMENTS SHALL BE CONSTRUED AS AUTHORIZATION FOR CHANGES IN THE WORK.

8 NOTIFY CONSULTANT, IN WRITING AT TIME OF SUBMISSION, IDENTIFYING DEVIATIONS FROM REQUIREMENTS OF CONTRACT DOCUMENTS STATING REASONS FOR DEVIATIONS.

9 VERIFY FIELD MEASUREMENTS AND AFFECTED ADJACENT WORK ARE COORDINATED.

10 CONTRACTOR'S RESPONSIBILITY FOR ERRORS AND OMISSIONS, OR DEVIATIONS FROM REQUIREMENTS OF CONTRACT DOCUMENTS, IS NOT RELIEVED BY CONSULTANT'S REVIEW OF SUBMITTALS.

11 KEEP ONE (1) REVIEWED COPY OF EACH SUBMISSION ON SITE

SECTION 01 33 00 - SUBMITTAL PROCEDURES CONTINUED...

12 PROVIDE TO THE LEASEHOLDER/TENANT THE FOLLOWING EXTRA PRODUCTS IN QUANTITIES LISTED BELOW, LABELED AND CRATED. MATERIALS TO BE FROM THE SAME LOT OR RUN AS THOSE INSTALLED AS PART OF THE WORK.

12.1 ONE LITER OF EACH PAINT COLOR WITH CORRECT SHEEN LEVEL.

12.2 SIX (6) FLOOR TILES OF EACH TYPE, COLOR, MATERIAL AND SURFACE FINISH.

12.3 ONE HALF BAG OF EACH GROUT.

12.4 FOUR FULL LENGTH STRIPS OF EACH TYPE OF BASE.

12.5 TEN (10) OF EACH TYPE OF CEILING TILES.

13 SUBMIT TWO (2) COPIES OF OPERATING AND MAINTENANCE MANUALS TO THE LEASEHOLDER/TENANT. MANUALS ARE TO CONTAIN INFORMATION COVERING THE CARE, CLEANING AND MAINTENANCE OF MATERIALS, FINISHES AND EQUIPMENT INSTALLED AS PART OF THE WORK. PROVIDE ANY SPARE PARTS OR SPECIAL MAINTENANCE TOOLS TO THE LEASEHOLDER/TENANT.

14 PROJECT MEETINGS WILL BE HELD AT THE SITE AT THE REQUEST OF THE LEASEHOLDER/TENANT AND THE LANDLORD. THE CONTRACTOR SHALL NOTIFY ALL PARTIES TO ATTEND. THE CONTRACTOR SHALL KEEP AND DISTRIBUTE THE MINUTES OF THESE MEETINGS. THE CONTRACTOR SHALL HOLD REGULAR MEETINGS WITH ITS TRADES AS REQUIRED FOR THE PERFORMANCE OF THE WORK.

SECTION 01 45 00 - QUALITY CONTROL

1 ALLOW AUTHORITIES HAVING JURISDICTION ACCESS TO WORK. IF PART OF WORK IS IN PREPARATION AT LOCATIONS OTHER THAN PLACE OF WORK, ALLOW ACCESS TO SUCH WORK WHENEVER IT IS IN PROGRESS.

2 GIVE TIMELY NOTICE REQUESTING INSPECTION WHENEVER PORTIONS OF THE WORK ARE DESIGNATED FOR SPECIAL TESTS, INSPECTIONS OR APPROVALS, EITHER WHEN DESCRIBED IN THE CONTRACT DOCUMENTS OR WHEN REQUIRED BY LAW IN THE PLACE OF THE WORK.

3 IF CONTRACTOR COVERS OR PERMITS TO BE COVERED WORK THAT HAS BEEN DESIGNATED FOR SPECIAL TESTS, INSPECTIONS OR APPROVALS BEFORE SUCH IS MADE, UNCOVER SUCH WORK, HAVE INSPECTIONS OR TESTS SATISFACTORILY COMPLETED AND MAKE GOOD SUCH WORK.

4 CONSULTANT OR LEASEHOLDER/TENANT MAY ORDER ANY PART OF THE WORK TO BE REVIEWED OR INSPECTED IF WORK IS SUSPECTED TO BE NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS. IF, UPON REVIEW SUCH WORK IS FOUND NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS, CORRECT SUCH WORK AND PAY COST OF ADDITIONAL REVIEW AND CORRECTION. IF SUCH WORK IS FOUND IN ACCORDANCE WITH CONTRACT DOCUMENTS, LEASEHOLDER/TENANT WILL PAY COST OF REVIEW.

5 REMOVE DEFECTIVE WORK, WHETHER RESULT OF POOR WORKMANSHIP, USE OF DEFECTIVE PRODUCTS OR DAMAGE AND WHETHER INCORPORATED IN WORK OR NOT, WHICH HAS BEEN REJECTED BY CONSULTANT AS FAILING TO CONFORM TO CONTRACT DOCUMENTS. REPLACE OR RE-EXECUTE IN ACCORDANCE WITH CONTRACT DOCUMENTS.

6 MAKE GOOD OTHER CONTRACTOR'S WORK DAMAGED BY SUCH REMOVALS OR REPLACEMENTS PROMPTLY.

7 IF IN THE OPINION OF THE CONSULTANT THAT IT IS NOT EXPEDIENT TO CORRECT DEFECTIVE WORK OR WORK NOT PERFORMED IN ACCORDANCE WITH CONTRACT DOCUMENTS, LEASEHOLDER/TENANT MAY DEDUCT FROM CONTRACT PRICE THE DIFFERENCE IN VALUE BETWEEN WORK PERFORMED AND THAT CALLED FOR BY CONTRACT DOCUMENTS, AMOUNT OF WHICH SHALL BE DETERMINED BY CONSULTANT.

8 PREPARE MOCK UPS FOR WORK SPECIFICALLY REQUESTED IN SPECIFICATIONS. INCLUDE FOR WORK OF SECTIONS REQUIRED TO PROVIDE MOCK UPS. PREPARE MOCK UPS FOR CONSULTANT'S REVIEW WITH REASONABLE PROMPTNESS AND IN ORDERLY SEQUENCE, TO NOT CAUSE DELAYS IN WORK.

SECTION 01 50 00 - TEMPORARY FACILITIES AND CONTROLS

1 A SOURCE OF TEMPORARY POWER AND WATER WILL BE PROVIDED TO THE CONTRACTOR. THE POWER PROVIDED IS LIMITED AND IS TO BE USED FOR THE OPERATION OF SMALL TOOLS AND EQUIPMENT ONLY. PROVIDE AND PAY FOR AN INDEPENDENT SOURCE OF TEMPORARY POWER REQUIRED FOR TOOLS AND EQUIPMENT DEMANDING EXCESSIVE POWER LOADS.

2 PROVIDE DUST WALL AND BARRICADES IN ACCORDANCE WITH REQUIREMENTS OF THE LANDLORD AND LOCAL AUTHORITIES HAVING JURISDICTION AND FOR PROTECTION OF THE LEASEHOLDER/TENANT, LANDLORD, ITS TENANTS AND THE PUBLIC IN THE VICINITY OF THE WORK.

3 PREVENT HAZARDOUS ACCUMULATIONS OF DUST, FUMES, MISTS, VAPORS OR GASES DURING CONSTRUCTION. PROVIDE LOCAL EXHAUST VENTILATION TO PREVENT HARMFUL ACCUMULATION OF HAZARDOUS SUBSTANCES INTO ATMOSPHERE OF OCCUPIED AREAS. DISPOSE OF EXHAUST MATERIALS IN A MANNER THAT WILL NOT RESULT IN HARMFUL EXPOSURE TO PERSONS. VENTILATE STORAGE SPACES CONTAINING HAZARDOUS OR VOLATILE MATERIALS. CONTINUE OPERATION OF VENTILATION AND EXHAUST SYSTEM FOR TIME AFTER CESSATION OF WORK PROCESS TO ASSURE REMOVAL OF HARMFUL ELEMENTS.

4 UNLESS OTHERWISE APPROVED BY THE CONSULTANT, WORK INVOLVING EXCESSIVE NOISE, VIBRATION, INCLUDING BUT NOT NECESSARILY LIMITED TO JACK HAMMERS, CONCRETE SAWS, CONCRETE DRILLS, STEEL SAWS, EXPLOSIVE ACTIVATED TOOLS OR ACTIVITIES DISRUPTIVE TO THE NORMAL OPERATION OF THE LEASEHOLDER/TENANT, OR LANDLORD, OR DANGEROUS TO THE OCCUPANTS SHALL BE CARRIED OUT DURING TIME PERIODS APPROVED BY THE LEASEHOLDER/TENANT AND LANDLORD.

5 BECOME FAMILIAR WITH ALL AVAILABLE INFORMATION AND DOCUMENTS REGARDING EXISTING BUILDING SERVICES AND ENSURE THAT THEY ARE MAINTAINED CONTINUOUSLY THROUGHOUT THE ENTIRE PERIOD OF CONSTRUCTION AND ALTERATIONS.

6 OBTAIN APPROVAL FOR CUTTING AND CORING FROM THE LANDLORD AND BASE BUILDING STRUCTURAL ENGINEER. IT SHOULD BE NOTED THAT THE EXISTING STRUCTURE MAY CONTAIN SOME ELECTRICAL CONDUIT, TAKE ADEQUATE SAFETY PRECAUTIONS.

7 DAMAGE OF ANY NATURE TO EXISTING BUILDING OR ITS CONTENTS, EXCEPT WHERE REQUIRED BY THE WORK, SHALL BE MADE GOOD TO THE SATISFACTION OF THE LANDLORD AT NO ADDITIONAL COST TO THE LEASEHOLDER/TENANT. MAKING GOOD SHALL MEAN RESTORATION TO AT LEAST ORIGINAL CONDITION IN TERMS OF STRENGTH, SAFETY, WORKMANSHIP AND APPEARANCE.

SECTION 01 61 00 - PRODUCT REQUIREMENTS

1 PROVIDE NEW PRODUCTS UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS. PRODUCTS THAT ARE NOT SPECIFIED SHALL BE OF A QUALITY BEST SUITED TO THE PURPOSE REQUIRED AND THEIR USE IS SUBJECT TO THE APPROVAL OF THE LEASEHOLDER/TENANT. REMOVE AND REPLACE DEFECTIVE PRODUCTS OR PRODUCTS THAT DO NOT CONFORM TO THE CONTRACT DOCUMENTS AT CONTRACTOR'S OWN EXPENSE AND BE RESPONSIBLE FOR ANY DELAYS AND EXPENSES CAUSED BY REJECTION.

2 PERMANENT LABELS, TRADEMARKS AND NAMEPLATES ON PRODUCTS ARE NOT ACCEPTABLE IN PROMINENT LOCATIONS, EXCEPT WHERE REQUIRED FOR OPERATING INSTRUCTIONS OR WHEN LOCATED IN MECHANICAL OR ELECTRICAL ROOMS.

3 PROVIDE FASTENINGS AND ACCESSORIES IN SAME MATERIAL, TEXTURE, COLOR AND FINISH AS ADJACENT MATERIALS UNLESS INDICATED OTHERWISE. PREVENT ELECTROLYTIC ACTION BETWEEN DISSIMILAR METALS AND MATERIALS. SPACE ANCHORS WITHIN THEIR LOAD LIMIT OR SHEAR CAPACITY AND ENSURE THEY PROVIDE POSITIVE PERMANENT ANCHORAGE. PLASTIC, WOOD OR ANY OTHER ORGANIC MATERIAL PLUGS ARE NOT ACCEPTABLE. KEEP EXPOSED FASTENINGS TO A MINIMUM, SPACE EVENLY AND INSTALL NEATLY. FASTENINGS WHICH CAUSE SPALLING OR CRACKING OF MATERIAL TO WHICH ANCHORAGE IS MADE ARE NOT ACCEPTABLE.

4 PERFORM WORK IN ACCORDANCE WITH DETAILS, MANUFACTURER'S INSTRUCTIONS AND SPECIFIED REQUIREMENTS. SHOULD A CONFLICT EXIST BETWEEN SPECIFICATIONS AND INSTRUCTIONS, CONSULT THE CONSULTANT.

5 EXECUTE WORKMANSHIP BY WORKERS EXPERIENCED AND SKILLED IN THE RESPECTIVE DUTIES FOR WHICH THEY ARE EMPLOYED. DECISIONS AS TO STANDARD OR FITNESS OF QUALITY OF WORK IN CASES OF DISPUTE REST SOLELY WITH LEASEHOLDER/TENANT, WHOSE DECISION IS FINAL.

6 REVIEW PRODUCT DELIVERY REQUIREMENTS AND ANTICIPATE FORESEEABLE SUPPLY DELAYS FOR ANY ITEMS IMMEDIATELY UPON SIGNING CONTRACT. IF DELAYS IN SUPPLY OF PRODUCTS ARE FORESEEABLE, NOTIFY CONSULTANT OF SUCH, IN ORDER THAT SUBSTITUTIONS OR OTHER REMEDIAL ACTION MAY BE AUTHORIZED IN AMPLE TIME TO PREVENT DELAY IN PERFORMANCE OF WORK. IN EVENT OF FAILURE TO NOTIFY CONSULTANT AT COMMENCEMENT OF WORK AND SHOULD IT SUBSEQUENTLY APPEAR THAT WORK MAY BE DELAYED FOR SUCH REASON, CONSULTANT RESERVES RIGHT TO SUBSTITUTE MORE READILY AVAILABLE PRODUCTS OF SIMILAR CHARACTER, AT NO INCREASE IN CONTRACT PRICE OR CONTRACT TIME.

7 TRANSPORT, STORE AND PROTECT PRODUCTS IN ACCORDANCE WITH MANUFACTURERS' WRITTEN INSTRUCTIONS WITH SEALS AND LABELS INTACT AND LEGIBLE. STORE SENSITIVE PRODUCTS IN WEATHER TIGHT, CLIMATE CONTROLLED, ENCLOSURES IN AN ENVIRONMENT FAVORABLE TO PRODUCT. ARRANGE STORAGE OF PRODUCTS TO PERMIT ACCESS FOR INSPECTION. PERIODICALLY INSPECT TO VERIFY PRODUCTS ARE UNDAMAGED AND ARE MAINTAINED IN ACCEPTABLE CONDITION.

8 CONSULTANT WILL CONSIDER REQUESTS FOR SUBSTITUTIONS ONLY WITHIN TEN (10) DAYS AFTER DATE OF LEASEHOLDER/TENANT-CONTRACTOR AGREEMENT. SUBSTITUTIONS MAY BE CONSIDERED WHEN A PRODUCT BECOMES UNAVAILABLE THROUGH NO FAULT OF THE CONTRACTOR. DOCUMENT EACH REQUEST WITH COMPLETE DATA SUBSTANTIATING COMPLIANCE OF PROPOSED SUBSTITUTION WITH CONTRACT DOCUMENTS.

SECTION 01 73 00 - EXECUTION

1 EXAMINE EXISTING CONDITIONS PRIOR TO COMMENCING WORK, INCLUDING ELEMENTS SUBJECT TO DAMAGE OR MOVEMENT DURING CUTTING AND PATCHING.

2 ASSESS CONDITIONS AFFECTING PERFORMANCE OF WORK AFTER UNCOVERING EXISTING WORK.

3 BEGINNING OF CUTTING OR PATCHING MEANS ACCEPTANCE OF EXISTING CONDITIONS.

4 UNCOVER WORK TO INSTALL ILL-TIMED WORK.

5 REMOVE AND REPLACE DEFECTIVE OR NON-CONFORMING WORK.

6 PROVIDE OPENINGS IN NON-STRUCTURAL ELEMENTS OF WORK FOR PENETRATIONS OF MECHANICAL, ELECTRICAL AND ASSOCIATED WORK. LIMIT OPENING DIMENSIONS TO MINIMAL SIZES REQUIRED AND PERFORMED IN A NEAT AND CLEAN FASHION.

7 CUT RIGID MATERIALS USING MASONRY SAW OR CORE DRILL. PNEUMATIC OR IMPACT TOOLS NOT ALLOWED ON MASONRY OR CONCRETE WORK WITHOUT PRIOR APPROVAL.

8 PATCH OR REPLACE THE IMPERFECT PORTION OF THE SURFACE WITH MATCHING MATERIAL IN AREAS WHERE A PORTION OF AN EXISTING FINISHED SURFACE IS DAMAGED, LIFTED, STAINED, OR OTHERWISE MADE OR FOUND TO BE IMPERFECT.

9 DO NOT INCORPORATE SALVAGED OR USED MATERIAL IN NEW CONSTRUCTION UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE DRAWINGS.

10 PROVIDE ADEQUATE SUPPORT OR SUBSTRATE FOR PATCHING OF FINISHES.

11 REPAINT OR RECOAT THE PATCHED PORTIONS TO PROVIDE UNIFORM COLOR AND TEXTURE OVER THE ENTIRE SURFACE.

12 REPAINT OR RECOAT THE ENTIRE SURFACE IF THE SURROUNDING SURFACE CANNOT BE MATCHED.

13 IN THE SECTIONS OF THE SPECIFICATIONS WHICH FOLLOW THESE GENERAL REQUIREMENTS, NO CONCERTED ATTEMPT HAS BEEN MADE TO DESCRIBE EACH OF THE VARIOUS EXISTING PRODUCTS THAT MUST BE USED TO PATCH, MATCH, EXTEND OR REPLACE EXISTING WORK. OBTAIN ALL SUCH PRODUCTS IN TIME TO COMPLETE THE WORK ON SCHEDULE. SUCH PRODUCTS SHALL BE PROVIDED IN QUALITY WHICH IS IN NO WAY INFERIOR TO THE EXISTING PRODUCTS.

SECTION 01 73 00 - EXECUTION CONTINUED...

14 WHERE DRYWALL, WOOD, METAL OR OTHER FINISHED SURFACE IS CUT IN SUCH A WAY THAT A SMOOTH TRANSITION WITH NEW WORK IS NOT POSSIBLE, TERMINATE THE EXISTING SURFACE IN A NEAT FASHION ALONG A STRAIGHT LINE AT A NATURAL LINE OF DIVISION AND PROVIDE TRIM APPROPRIATE TO THE FINISHED SURFACE.

15 WHERE TWO (2) OR MORE SPACES ARE INDICATED TO BECOME ONE (1) SPACE, REWORK FLOORS AND CEILINGS SO THAT HORIZONTAL PLANES WITHOUT BREAKS, STEPS OR BULKHEADS RESULT. FLOOR SLOPE IS NOT TO EXCEED SLOPE ALLOWED BY LOCAL CODES AND ORDINANCES.

16 IN CASES OF EXTREME CHANGE OF LEVEL, 2 INCH OR MORE, OBTAIN INSTRUCTIONS FROM THE CONSULTANT AS TO METHOD OF MAKING TRANSITION. EITHER STEPPING, BULKHEADING, ENCASEMENT, RAMPING, SLOPING OR CHANGE OF TRANSITION LINE SHALL BE EMPLOYED, OR A COMBINATION OF THESE, AS DIRECTED IN EACH CASE BY THE CONSULTANT.

17 RESTORE EXISTING WORK THAT IS DAMAGED DURING CONSTRUCTION TO A CONDITION EQUAL TO ITS CONDITION AT THE TIME OF THE START OF THE WORK.

18 AT LOCATIONS IN EXISTING AREAS WHERE PARTITIONS ARE REMOVED, PATCH THE FLOORS, WALLS AND CEILINGS WITH FINISH MATERIALS TO MATCH ADJACENT FINISHES.

19 WHERE A PRODUCT OR TYPE OF CONSTRUCTION OCCURS IN THE EXISTING BUILDING, AND IT IS NOT SPECIFIED AS A PART OF THE NEW WORK, PROVIDE SUCH PRODUCTS OR TYPES OF CONSTRUCTION AS NEEDED TO PATCH, EXTEND OR MATCH THE EXISTING WORK.

20 FIT WORK AIRTIGHT TO PIPES, SLEEVES, DUCTS, CONDUIT, AND OTHER PENETRATIONS THROUGH SURFACES

21 AT PENETRATION OF FIRE RATED WALL, CEILING, OR FLOOR CONSTRUCTION, COMPLETELY SEAL VOIDS WITH FIRE-STOPPING MATERIAL, FOR FULL THICKNESS OF THE CONSTRUCTED ELEMENT. REFER TO SECTION 078400.

22 CONCEAL PIPES, DUCTS AND WIRING IN FLOOR, WALL AND CEILING CONSTRUCTION OF FINISHED AREAS EXCEPT WHERE INDICATED OTHERWISE.

23 WORK PERFORMED AND MATERIALS USED SHALL BE NOT LESS THAN THE STANDARD OF QUALITY FOR THE EXISTING FINISHED BUILDING, EXCEPT WHERE SUCH EXISTING MATERIALS ARE NO LONGER AVAILABLE, ARE INAPPROPRIATE FOR THE INTENDED RECONSTRUCTION OR DETAILED OTHERWISE ON THE DRAWINGS.

24 MAKE GOOD: IN GENERAL, DEFINED AS MATCHING ADJACENT SURFACES SUCH THAT THERE IS NO VISIBLE DIFFERENCE BETWEEN EXISTING AND NEW SURFACES WHEN VIEWED IN AMBIENT LIGHT FROM A DISTANCE OF 5 FEET. IN RENOVATION AREAS, "MAKE GOOD" MEANS REPAIRING SUBSTRATE SURFACES AND, IN AREAS NOT SCHEDULED FOR REFINISHING, REFERS TO PATCHING, REPAIRING, AND FINISHING TO MATCH ADJACENT SURFACES AND INCLUDES APPLYING A NEW PAINT FINISH TO SURFACE UP TO NEXT CHANGE IN PLANE IN ALL DIRECTIONS.

SECTION 01 74 21 - WASTE MANAGEMENT AND DISPOSAL

1 KEEP SITE CLEAN AND FREE OF UNSIGHTLY COLLECTION OF WASTE MATERIALS AND DEBRIS. CLEAN AT THE END OF EACH WORK DAY.

2 MINIMIZE WASTE DISPOSAL TO LANDFILLS. EMPLOY PROCESSES THAT ENSURE THE GENERATION OF AS LITTLE WASTE AS POSSIBLE INCLUDING PREVENTION OF DAMAGE DUE TO MISHANDLING, IMPROPER STORAGE, CONTAMINATION, INADEQUATE PROTECTION OR OTHER FACTORS AS WELL AS MINIMIZING OVER PACKAGING AND POOR QUANTITY ESTIMATING.

3 DEVELOP AND IMPLEMENT PROCEDURES TO RE-USE, SALVAGE, AND RECYCLE NEW CONSTRUCTION AND DEMOLITION MATERIALS, BASED ON THE CONTRACT DOCUMENTS, ESTIMATED QUANTITIES OF AVAILABLE MATERIALS AND AVAILABILITY OF RECYCLING FACILITIES. PROCEDURES MAY INCLUDE ON-SITE RECYCLING, SOURCE SEPARATED RECYCLING, AND/OR MIXED DEBRIS RECYCLING EFFORTS.

4 PROVIDE AND PAY FOR THE PROPER DISPOSAL AND SALVAGE OF CONSTRUCTION AND DEMOLITION MATERIALS AND WASTE. UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS, ALL SALVAGED MATERIALS BECOME THE PROPERTY OF THE CONTRACTOR.

5 MATERIALS HANDLING PROCEDURES: PREVENT CONTAMINATION OF MATERIALS TO BE RECYCLED AND SALVAGED AND HANDLE MATERIALS CONSISTENT WITH REQUIREMENTS FOR ACCEPTANCE BY DESIGNATED FACILITIES. WHERE SPACE PERMITS, SOURCE SEPARATION IS RECOMMENDED. WHERE MATERIALS MUST BE CO-MINGLED THEY MUST BE TAKEN TO A PROCESSING FACILITY FOR SEPARATION OFF SITE.

6 LIST OF COMPULSORY MATERIALS TO BE RECYCLED, INCLUDES THE FOLLOWING MATERIALS:

6.1 OLD CORRUGATED CARDBOARD

6.2 BEVERAGE CONTAINERS

6.3 CLEAN DIMENSIONAL WOOD, PALETTE WOOD

6.4 CONCRETE AND CONCRETE BLOCK

6.5 SCRAP METAL, INC

SECTION 05 50 00 - METAL FABRICATIONS CONTINUED...

16 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.

17 FASTENINGS: EXPOSE FASTENERS ONLY WHERE PRE-APPROVED BY CONSULTANT.

17.1 EXPOSED MECHANICAL FASTENINGS: FLUSH COUNTERSUNK SCREWS OR BOLTS; UNOBTRUSIVELY LOCATED; CONSISTENT WITH DESIGN OF COMPONENT, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE. USE STAINLESS STEEL FASTENINGS AND FITTINGS FOR STAINLESS STEEL WORK.

18 STAINLESS STEEL AND MILD STEEL FABRICATIONS.

18.1 PERFORM WORK IN ACCORDANCE WITH THE ARCHITECTURAL SHEET METAL MANUAL, AS PUBLISHED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA). FINISH ALL EXPOSED EDGES. ALL CORNERS AND EDGES TO BE ROUNDED, NO SHARP EDGES OR FASTENINGS. GENERALLY, RUN GRAIN VERTICALLY AND IN SAME DIRECTION BETWEEN ADJACENT STAINLESS STEEL PIECES. FORM SECTIONS SQUARE, TRUE AND ACCURATE TO SIZE, USING STEEL OF SUFFICIENT THICKNESS TO PREVENT DISTORTION, WAVES, BUCKLING, OIL-CANNING, OR OTHER DEFECTS DETRIMENTAL TO APPEARANCE AND PERFORMANCE.

18.2 PERFORM WELDING BY COMPETENT CRAFTSMEN USING THE ELECTRIC SEAMLESS HELIARC METHOD WITH FILLER RODS OF SUCH A COMPOSITION SO AS TO LEAVE A COMPLETE AND DUCTILE BUTT WELD OF THE SAME COMPOSITION AS THE ORIGINAL METAL. WORKMANSHIP SHALL BE FREE FROM PITS, CRACKS, DISCOLORATION AND OTHER MECHANICAL IMPERFECTIONS AND SHALL BE GROUND SMOOTH AND POLISHED TO MATCH ORIGINAL FINISH AND BE INVISIBLE.

18.3 WELD, GRIND, POLISH AND LEAVE CREVICE-FREE CORNERS. POLISH JOINTS AND WELDS IN STAINLESS STEEL TO A UNIFORM NO. 4 BRUSHED FINISH. NO FILLER OR SOLDERS SHALL BE USED.

18.4 ALL STRAIGHT LENGTHS SHALL BE ONE PIECE WITH ALL SEAMS, INCLUDING FIELD JOINTS, WELDED, AND GROUND SMOOTH.

18.5 PROTECT FINISHED SURFACES OF STAINLESS STEEL WITH A TOUGH FLEXIBLE REMOVABLE FILM AND, IN PARTICULAR, GUARD FROM DAMAGE BY FALLING OBJECTS, PLASTER OR MORTAR WASTE.

19 SUPPLY COMPONENTS REQUIRED FOR ANCHORAGE OF FABRICATIONS. FABRICATE ANCHORS AND RELATED COMPONENTS OF SAME MATERIAL AND FINISH AS FABRICATION, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE. HAND ITEMS OVER FOR CASTING INTO CONCRETE OR BUILDING INTO MASONRY TO APPROPRIATE TRADES TOGETHER WITH SETTING TEMPLATES.

7 CUSTOM FABRICATION: FORM METAL FABRICATIONS FROM MATERIALS OF SIZE, THICKNESS, AND SHAPES INDICATED BUT NOT LESS THAN THAT NEEDED TO COMPLY WITH PERFORMANCE REQUIREMENTS. WORK TO DIMENSIONS INDICATED OR ON APPROVED SHOP DRAWINGS, USING PROVEN DETAILS OF FABRICATION AND SUPPORT. USE TYPE OF MATERIALS INDICATED OR SPECIFIED FOR VARIOUS COMPONENTS OF EACH METAL FABRICATION

8 FINISHES

8.1 POWDER COATING: POLYESTER-URETHANE THERMOSETTING RESIN BASED THERMOSETTING POWDER COATING, WEATHER RESISTANT INTENDED FOR EXTERIOR AND INTERIOR APPLICATIONS

9 PREPARATION

9.1 SUPPLY ITEMS REQUIRED TO BE CAST INTO CONCRETE, AND/OR EMBEDDED IN MASONRY WITH SETTING TEMPLATES, TO APPROPRIATE SECTIONS, INCLUDING BACK PLATES FOR INSTALLATIONS AT STEEL STUD AND GYPSUM BOARD ASSEMBLIES.

9.2 APPLY POWDER COATINGS IN ACCORDANCE WITH MANUFACTURER'S APPLICATION INSTRUCTIONS TO CLEANED AND PREPARED SURFACES USING RECOMMENDED DRY FILM THICKNESSES, AND ALLOW COATING TO CURE SUFFICIENTLY BEFORE MOVING TO SITE.

9.3 DISSIMILAR METALS: PAINT BRONZE, NICKEL-SILVER, AND ALUMINUM COMPONENTS THAT COME INTO CONTACT WITH DISSIMILAR METALS WITH A HEAVY COAT OF A PROPER PRIMER; [COAT EXPOSED ALUMINUM COMPONENTS THAT COME INTO CONTACT WITH CEMENT OR LIME MORTAR, WITH ZINC CHROMATE].

10 INSTALLATION

10.1 INSTALL MATERIAL AND PRODUCTS IN ACCORDANCE WITH APPROVED SHOP DRAWINGS, AND MANUFACTURER'S SPECIFICATIONS AND GUIDELINES.

10.2 PERFORM CUTTING, DRILLING, AND FITTING REQUIRED FOR INSTALLATION OF MISCELLANEOUS METAL FABRICATIONS; SET METAL FABRICATION ACCURATELY IN LOCATION, ALIGNMENT, AND ELEVATION; WITH EDGES AND SURFACES LEVEL, PLUMB, TRUE, AND FREE OF RACK; AND MEASURED FROM ESTABLISHED LINES AND LEVELS.

10.3 ERECT WORK SQUARE, PLUMB, STRAIGHT, AND TRUE, ACCURATELY FITTED, WITH TIGHT JOINTS AND INTERSECTIONS, AND FREE FROM DISTORTION OR DEFECTS DETRIMENTAL TO APPEARANCE OR PERFORMANCE.

10.4 SUPPLY AND INSTALL SUITABLE MEANS OF ANCHORAGE, SUCH AS DOWELS, ANCHOR CLIPS, BAR ANCHORS, EXPANSION BOLTS AND SHIELDS, AND TOGGLES.

10.5 ENSURE EXPOSED FASTENING DEVICES MATCH FINISH AND ARE COMPATIBLE WITH MATERIAL THROUGH WHICH THEY PASS.

10.6 PROVIDE COMPONENTS, TOGETHER WITH SETTING TEMPLATES, FOR BUILDING BY OTHER TRADES IN ACCORDANCE WITH SHOP DRAWINGS AND SCHEDULE.

11 CLEANING

11.1 WASH THOROUGHLY USING CLEAN WATER AND SOAP; RINSE WITH CLEAN WATER AS INSTALLATION IS COMPLETED.

11.2 DO NOT USE ACID SOLUTION, STEEL WOOL, OR OTHER HARSH ABRASIVES.

11.3 IF STAIN REMAINS AFTER WASHING, REMOVE FINISH AND RESTORE IN ACCORDANCE WITH NAAMM METAL FINISHES MANUAL.

DIVISION 6 - WOOD AND PLASTIC

SECTION 06 10 00 – ROUGH CARPENTRY

1 DELIVERY, STORAGE, AND HANDLING

1.1 DELIVER WOOD PRODUCTS BUNDLED OR CRATED TO PROVIDE ADEQUATE PROTECTION DURING TRANSIT. INSPECT WOOD PRODUCTS FOR DAMAGE UPON DELIVERY AND REMOVE AND REPLACE DAMAGED MATERIALS

1.2 STORE MATERIALS A MINIMUM OF 6" OFF THE GROUND ON BLOCKING. KEEP MATERIALS UNDER COVER AND DRY. PROVIDE FOR AIR CIRCULATION WITHIN AND AROUND STACKS AND UNDER TEMPORARY COVERINGS.

2 GRADE AND STAMP LUMBER BY AN AGENCY CERTIFIED BY NATIONAL LUMBER GRADES AUTHORITY. ANY WOOD WITHIN WALL CAVITIES OR CEILING SPACES TO BE FIRE RETARDANT TREATED.

SECTION 06 10 00 – ROUGH CARPENTRY CONTINUED...

3 MATERIALS

1.1 LUMBER: STUD GRADE, NLGA (STANDARD GRADING RULES FOR LUMBER): NIST PS 20, SOFTWOOD SPF SPECIES, GRADE, 19% MAXIMUM MOISTURE CONTENT AT TIMEOF INSTALLATION, MEETING REQUIREMENTS OF BUILDING CODE.

1.2 FURRING, BLOCKING, NAILING STRIPS, ROUGH BUCKS, CURBS: BOARD SIZES: "STANDARD" OR BETTER GRADE, 19% MAXIMUM MOISTURE CONTENT AT TIMEOF INSTALLATION, GRADE: FOR DIMENSION LUMBER SIZES PROVIDE NO. 2 OR STANDARD GRADE LUMBER PER NLGA. FOR BOARD-SIZED LUMBER, PROVIDE SHEATHING GRADE, S2S.

1.3 PANEL MATERIALS:

1.3.1 UREA FORMALDEHYDE FREE, PLYWOOD: NIST PS 1

1..2 SANDED. DOUGLAS FIR PLYWOOD: NIST PS 1

1.3.3 SHEATHING GRADE WHERE CONCEALED; "GIS" WHERE EXPOSED,

1.3.4 SOFTWOOD PLYWOOD: NIST PS 1,

1.3.5 STANDARD CONSTRUCTION, PLYWOOD AND WOOD BASED COMPOSITE PANELS: TO NIST PS 2.

1.3.6 OSB: ORIENTED STRAND BOARD PANELS TO NIST PS 2

1.3.7 TELEPHONE AND ELECTRICAL PANEL BOARDS: ¾" THICK, SQUARE EDGES, SITE BRUSH APPLIED PRESERVATIVE TREATED, PAINT FINISH.

1.4 BLOCKING FOR WALL-SUPPORTED ITEMS: ¾" THICK PLYWOOD, FRT. PROVIDE BLOCKING FOR LEASHOLDER/TENANT-SUPPLIED, TRADE CONTRACTOR-INSTALLED WASHROOM ACCESSORIES AND EQUIPMENT

5 ACCESSORIES

5.1 FASTENERS: HOT DIPPED GALVANIZED STEEL TO ASTM F2329 FOR HIGH HUMIDITY AND TREATED WOOD LOCATIONS, UNFINISHED STEEL ELSEWHERE. USE GALVANIZED STEEL FASTENERS AS RECOMMENDED BY THE MANUFACTURER THAT ARE UNAFFECTED BY THE FIRE RETARDANT TREATMENT FOR FASTENING FIRE RETARDANT TREATED WOOD PRODUCTS. FASTENERS SHALL NOT PROMOTE GALVANIC ACTION WITH SUBSTRATE SUPPORTS TO WHICH THEY COME IN CONTACT WITH

5.2 NAILS, SPIKES AND STAPLES: TO ASTM F1667 AND ASME B18.6.1.

5.3 FIRE-RETARDANT TREATMENT: PRODUCTS WITH A FLAME SPREAD INDEX OF 25 OR LESS WHEN TESTED ACCORDING TO ASTM E 84. USE TREATMENT FOR WHICH CHEMICAL MANUFACTURER PUBLISHES PHYSICAL PROPERTIES OF TREATED WOOD AFTER EXPOSURE TO ELEVATED TEMPERATURES, WHEN TESTED BY A...

5.4 SEALANTS: IN ACCORDANCE WITH SECTION 07 92 00 – SEALANTS. MAXIMUM ALLOWABLE VOC LIMIT 15.5 LBS/FT3 IN ACCORDANCE WITH SCAQMD RULE 1168.

5.5 GENERAL PURPOSE ADHESIVE: TO ASTM D3498. MAXIMUM ALLOWABLE VOC LIMIT 4.3 LBS/FT3 IN ACCORDANCE WITH SCAQMD RULE 1168.

6 INSTALLATION

6.1 TREAT WOOD MEMBERS IN CONTACT WITH CONCRETE SLABS ON GRADE, SET INTO CONCRETE, AND ALL WOOD MEMBERS USED AT ROOF SURFACES WITH CLEAR, AMMONIACAL COPPER QUAT (ACQ-B) OR COPPER AZOLE (CA) PRESERVATIVE TO AWPA STANDARD U1 TO OBTAIN AN AVERAGE NET RETENTION OF 0.25 LBS/FT3 BY ASSAY. ALL NEW PLYWOOD EXPOSED TO WEATHER MUST BE TREATED TO AWPA STANDARD U1. MATERIAL TO BEAR AMERICAN WOOD PROTECTION ASSOCIATION (AWPA) STAMPS. MAXIMUM ALLOWABLE VOC LIMIT 21.7 LBS/FT3 IN ACCORDANCE WITH SCAQMD RULE #1113 - ARCHITECTURAL COATINGS

6.2 TREAT WOOD MATERIAL BY PRESSURE IMPREGNATION WITH FIRE RESISTIVE CHEMICALS IN ACCORDANCE WITH AWPA STANDARD U1 OR ASTM D-2898 TO PROVIDE A FLAME SPREAD RATING OF LESS THAN 25.

6.3 TREAT WOOD MATERIAL USED AROUND WINDOW AND DOOR ROUGH OPENINGS, SERVICE ROOMS AND OTHER LOCATIONS AS SHOWN ON THE DRAWINGS.

6.4 INSTALL TELEPHONE AND ELECTRICAL PANEL BACK BOARDS WITH PLYWOOD SHEATHING MATERIAL WHERE REQUIRED. SIZE THE BACK BOARD BY 12" BEYOND SIZE OF ELECTRICAL PANEL.

6.5 INSTALL PLYWOOD BACKBOARDS ON 1" X 1" WOOD STRAPPING ALONG VERTICAL EDGES AND AT 24" ON CENTRE FOR LARGE BOARDS.

6.6 WHERE REQUIRED BY CODE:

6.6.1 INSTALL FURRING AND BLOCKING AS REQUIRED TO SPACE-OUT AND SUPPORT CASEWORK, CABINETS, WALL AND CEILING FINISHES, AND OTHER WORK AS REQUIRED.

6.6.2 INSTALL BLOCKING FOR SEISMIC RESTRAINT AND FIXING FOR MILLWORK AND OTHER ITEMS AND...

6.6.3 INSTALL ROUGH BUCKS, NAILERS AND LININGS TO ROUGH OPENINGS AS REQUIRED TO PROVIDE BACKING FOR FRAMES AND OTHER WORK; AND AREAS TO RECEIVE HANDRAILS, GRAB BARS, TOWEL RAILS, AND WASHROOM ACCESSORIES.

6.6.4 FRAME, ANCHOR, FASTEN, TIE AND BRACE MEMBERS TO PROVIDE NECESSARY STRENGTH AND RIGIDITY FOR PURPOSE OF USE.

6.7 COUNTERSINK BOLTS WHERE NECESSARY TO PROVIDE CLEARANCE FOR OTHER WORK.

6.8 ARRANGE MEMBERS TRUE TO LINES, LEVELS AND ELEVATIONS, PLUMB AND UNIFORMLY SPACES AS REQUIRED, NOTED, AND DETAILED.

7 WOOD FRAME CONSTRUCTION (IF ALLOWED).

7.1 SPACE FRAMING MEMBERS AS REQUIRED, OR AS INDICATED OTHERWISE ON DRAWINGS. CONSTRUCT MEMBERS OF CONTINUOUS PIECES OF LONGEST POSSIBLE LENGTH.

7.3 MAKE ALLOWANCE FOR ERECTION STRESSES. SECURELY BRACE MEMBERS IN PLACE TO MAINTAIN PLUMB AND TRUE UNTIL PERMANENTLY FIXED AND HELD TO STRUCTURE.

7.4 INSTALL FIRE BLOCKING AS DETAILED.

7.5 FABRICATE WOOD FRAME CONSTRUCTION TO THE REQUIREMENTS OF THE BUILDING CODE, EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE INDICATED ON THE DRAWINGS.

7.6 MINIMUM SIZES AND SPACING OF MEMBERS, THICKNESS OF MATERIALS, ALLOWABLE SPECIES AND LUMBER GRADES, SHALL MEET THE REQUIREMENTS OF THE ABOVE NOTED STANDARDS, UNLESS INDICATED OR SPECIFIED OTHERWISE.

7.7 MINIMIZE CUTTING OF FRAMING MEMBERS FOR PIPES, ETC. BY PRIOR CONSULTATION WITH OTHER TRADES. CUTTING LIMITATIONS IN ACCORDANCE WITH THE BUILDING CODE.

7.8 CONSTRUCT FRAMING AS NECESSARY TO ACCOMMODATE THE WORK OF OTHER TRADES.

SECTION 06 20 00 - FINISH CARPENTRY

1 FINISH CARPENTRY WORK SHALL INCLUDE ALL CLEAR, KILN DRIED, DRESSED, OR RESAWN MATERIAL EXPOSED TO VIEW IN A FINISHED BUILDING INTERIOR AND EXTERIOR, INCLUDING RUNNING AND STANDING TRIM, WALL BASES, DOOR FRAMES, PANELLING, TRIM AND OTHER TRIM RELATED PRODUCTS.

2 SUBMITTALS:

2.1. SHOP DRAWINGS: FURNISH SHOP DRAWINGS FOR REVIEW. CONFIRM ALL DIMENSIONS AT SITE PRIOR TO FABRICATION. DETAIL ALL ARCHITECTURAL WOODWORK CONSTRUCTION AT LARGE SCALE NOT LESS THAN ONE-QUARTER (1/4) FULL SIZE. SHOP DRAWINGS SHALL SHOW CONSTRUCTION DETAILS OF ALL ARCHITECTURAL WOODWORK, GENERAL ARRANGEMENTS, LOCATIONS OF ALL SERVICE OUTLETS; TYPICAL AND SPECIAL INSTALLATION CONDITIONS; THE MATERIAL BEING SUPPLIED AND ALL CONNECTIONS, ATTACHMENTS, HARDWARE, ANCHORAGE AND LOCATION OF EXPOSED FASTENINGS, AS APPLICABLE. SHOP DRAWINGS TO INCORPORATE PLANS, ELEVATIONS, SECTIONS AND DETAILS FOR ALL WORK INCLUDED IN THIS SECTION. DETAILS TO SHOW AND SPECIFY ALL THICKNESS, TYPES AND FINISHES AND ALL HARDWARE.

2.2. SHOP DRAWINGS FOR SUSPENDED WOOD CEILING SYSTEM SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE WORK. PROVIDE CALCULATIONS FOR LOADINGS AND STRESSES UNDER THE PROFESSIONAL STRUCTURAL ENGINEER'S SEAL REGISTERED IN THE STATE OF THE WORK.

2.3. SAMPLES: SUBMIT FINISH SAMPLES OF EACH FINISH MATERIAL SCHEDULED ON THE DRAWINGS. SAMPLES TO INDICATE MATERIALS, HARDWARE AND FINISH. SAMPLES OF WOOD TO RECEIVE FIRE RESISTANT OR INTUMESCENT COATING ARE TO INCLUDE THE REQUIRED FIRE RESISTANT OR INTUMESCENT COATING

2 PERFORM WORK IN ACCORDANCE WITH THE NATIONAL ARCHITECTURAL ASSOCIATION OF WOODWORK STANDARDS (NAAWS), CUSTOM GRADE QUALITY. ALL CASEWORK TO BE FABRICATED AND INSTALLED TO NAAWS CUSTOM GRADE.

3 QUALITY ASSURANCE

3.1 ARCHITECTURAL WOODWORK STANDARDS (AWS) PUBLISHED BY THE ARCHITECTURAL WOODWORK INSTITUE (AWI), TOGETHER WITH AUTHORIZED ADDITIONS AND AMENDMENTS WILL BE USED AS A REFERENCE STANDARD AND SHALL FORM PART OF THIS PROJECT SPECIFICATION. WHERE DIFFERENCES OCCUR BETWEEN THE DRAWINGS AND SPECIFICATIONS REQUIREMENTS AND THE AWS, THE MORE RESTRICTIVE REQUIREMENT SHALL PREVAIL

3.2 ANY ITEM NOT GIVEN A SPECIFIC QUALITY GRADE ON THE DRAWINGS SHALL BE CUSTOM GRADE AS DEFINED IN THE NAAWS

3.3 MATERIALS AND INSTALLATION SHALL BE IN IMPERIAL UNITS MEASUREMENTS AS SPECIFIED

3.4 MATERIALS OF THIS SECTION ARE TO BE FOREST STEWARDSHIP COUNCIL GRADED WOOD. FSC-STD-01-001-V5-2 EN. 2015 FSC PRINCIPLE AND CRITERIA FOR FOREST STEWARDSHIP

4 DELIVERY, STORAGE AND HANDLING

4.1 THE ARCHITECTURAL WOODWORK MANUFACTURER AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE CERTAIN THAT ARCHITECTURAL WOODWORK IS NOT DELIVERED UNTIL THE BUILDING AND STORAGE AREAS ARE SUFFICIENTLY DRY SO THAT THE ARCHITECTURAL WOODWORK WILL NOT BE DAMAGED BY EXCESSIVE CHANGES IN MOISTURE CONTENT.

4.2 PROVIDE ARCHITECTURAL WOODWORK DELIVERY, STORAGE AND HANDLING IN ACCORDANCE WITH SECTION 2 CARE AND STORAGE OF THE NAAWS

SECTION 06 20 00 - FINISH CARPENTRY CONTINUED...

5 MATERIALS

5.1 LUMBER

5.1.1 SOFTWOOD LUMBER: TO NIST PS 20 SPRUCE-PINE-FIR SPECIES, S4S, AVERAGE MOISTURE CONTENT OF 6% AND MAXIMUM OF 9% FOR INTERIOR WORK.

5.1.2 HARDWOOD LUMBER: SPECIES AS INDICATED, S4S, AVERAGE MOISTURE CONTENT OF 6% AND MAXIMUM OF 9% FOR INTERIOR WORK

5.2 PANEL MATERIALS

5.2.1 HARDWOOD PLYWOOD: TO HPVA HP-1, OF THICKNESS INDICATED, AND MAXIMUM SIZE SHEETS FOR APPLICATION, PREMIUM A VENEER GRADE, CORE CONSTRUCTION MDF, GRADE STAMP, NON-EXPOSED, MARKED ON THE EDGE OF EACH PANEL, INDICATING CUT, SPECIES AND GRADE, AND MANUFACTURER'S NAME. COMPLY WITH FORMALDEHYDE EMISSION REQUIREMENTS OF VOLUNTARY STANDARD HPMA FE.

5.2.2 DOUGLAS FIR PLYWOOD (DFP): NIST PS 1

5.2.3 SOFTWOOD PLYWOOD: TO NIST PS 1, [SOLID TWO SIDES]

5.2.4 POPLAR PLYWOOD (PP): TO NIST PS 1, UTILITY INTERIOR MOISTURE RESISTANT TYPE

5.2.5 PARTICLEBOARD: TO ANSI A208.1, GRADE M-2 OR BETTER, MINIMUM 45 LBS/FT3 DENSITY AND GRADE M-3, MINIMUM 46 LBS/FT3 PARTICLEBOARD FOR COUNTERTOPS AND SHELVES; CLEARLY MARK PANELS WITH GRADE MARK IN VISIBLE LOCATION; EXTRUDED PARTICLEBOARD HAVING LOOSE CORES WITH VOIDS WILL NOT BE PERMITTED. HAVING NO ADDED UREA FORMALDEHYDE.

5.2.6 HARDBOARD: TO AHA A135.4, TYPE 1 STANDARD, THICKNESS AS DIRECTED. FINISH AS DIRECTED.

5.2.7 MEDIUM DENSITY FIBREBOARD (MDF): MEETING ASTM D1037 AND ANSI A208.2, CUSTOM GRADE FOR INTERIOR USE, MINIMUM 46 LBS/FT3 DENSITY; FORMALDEHYDE EMISSIONS SHALL BE 0.30 PPM OR LESS PER 0.13 FT2/FT3 OF ROOM VALUE. ACCEPTED PRODUCT: ARREIS BY SIERRA PINE. MINIMUM 90% TOTAL RECYCLED CONTENT

5.2.8. WHERE FIRE RETARDANT FIBERBOARD IS REQUIRED, PROVIDE CLASS 1 FLAME RETARDANT FIBERBOARD PANEL WHEN TESTED IN ACCORDANCE WITH ASTM E84 TO A MAXIMUM FLAME SPREAD OF 25 AND A SMOKE DEVELOPED OF 100. ACCEPTED PRODUCT: MEDITE FR BY SIERRA PINE OR PRE-APPROVED ALTERNATIVE. LOW ODOR/LOW-VOC-EMITTING, MANUFACTURED WITH A FORMALDEHYDE-FREE ADHESIVE SYSTEM SUCH THAT FORMALDEHYDE EMISSIONS DO NOT EXCEED 0.10 PPM WHEN TESTED IN ACCORDANCE WITH ASTM E1333.

5.2.9 WOOD PANELING: GRADE: QSI CUSTOM; CORE AND FACE VENEER: AS DETAILED ON THE DRAWINGS; VERTICAL GRAIN VENEER; SLIP MATCHED, EDGES FINISHED TO MATCH FACE.

5.3 DECORATIVE PLASTIC LAMINATE PANELING:

5.3.1 COMPLY WITH AWI QUALITY STANDARDS, CUSTOM GRADE.

5.3.2 PANEL CONSTRUCTION: HPDL: NEMA LD3, POST FORMING HGP TYPE OR GENERAL PURPOSE VGS...

5.3.3 CORE: MDF BOARD, FIRE RESISTANT, CLASS 1 RATING UNLESS INDICATED OTHERWISE ON DRAWINGS

5.3.4 FINISH: USE FIRE RATED PLASTIC LAMINATE AND CORE WHERE REQUIRED TO PROVIDE FLAME SPREAD RATING LESS THAN 25.

5.3.5 REFER TO FINISHES LIST FOR SPECIFIC MANUFACTURERS, PATTERNS AND COLORS. REVEALS AS INDICATED

6 CUSTOM SUSPENDED WOOD CEILING SYSTEM:

6.1 PROVIDE AN ENGINEERED CEILING SUPPORT SYSTEM, SIGNED AND SEALED BY A PROFESSIONAL STRUCTURAL ENGINEER EXPERIENCED IN DESIGN OF THIS WORK AND LICENSED IN THE STATE OF WORK.

6.2 COMPLY WITH AWI QUALITY STANDARDS, CUSTOM GRADE

6.3 CORE: MDF, FIRE RETARDANT TREATED, CLASS 1 RATING UNLESS INDICATED OTHERWISE ON DRAWINGS.

6.4 FINISH: WOOD VENEER TO MATCH APPROVED SAMPLE, AS SCHEDULED ON DRAWINGS.

6.5 RETURN WOOD VENEER OVER ALL EDGES.

6.6 SOLID HARDWOOD TRIM PIECES, FINISHED TO MATCH APPROVED SAMPLES, AS INDICATED ON DRAWINGS.

6.7 FINISH WITH INTERIOR INTUMESCENT FIRE-RESISTIVE COATING FOR WOOD - ENSURE THAT COATING IS COMPATIBLE WITH ANY STAINS OTHER WOOD FINISHES.

7 WOOD DOOR FRAMES, DOOR CASING, WOOD TRIM AND WOOD BASES:

7.1 COMPLY WITH AWI QUALITY STANDARDS, CUSTOM GRADE.

7.2. SPECIES: AS SCHEDULED ON DRAWINGS, WITH SOLID EDGING ON EXPOSED EDGES.

7.3. STAIN AND FINISH TO MATCH CONSULTANT'S SAMPLE, PROFILE AND EDGE TREATMENT AS DETAILED.

7.4 REFER TO DRAWINGS FOR FRAME DETAILS FOR CONCEALED DOORS.

8 INTERIOR INTUMESCENT FIRE-RESISTIVE COATING FOR WOOD:

8.1 TWO COMPONENT, LOW VOC, CLEAR INTUMESCENT COATING, CERTIFIED BY INTERTEK TESTING SERVICES NA LTD., OR OTHER CERTIFIED, INDEPENDENT TESTING LABORATORY.

8.2 ENSURE COMPATIBILITY BETWEEN WOOD STAINS AND INTUMESCENT COATING.

8.3 PROPERTIES: SURFACE BURNING CHARACTERISTICS: TO ASTM E84, FLAME SPREAD MAXIMUM 25; SOLIDS: 100% BY WEIGHT AND VOLUME; VOC LIMITS: ZERO; THICKNESS: WET: 8.0 MIL, DRY 8.0 MIL.

8.4 ACCEPTABLE MANUFACTURERS: "SAFECOAT CLEAR FIRE RETARDANT COATING" BY CONVOY DISTRIBUTION LTD. / CONVOY ENGINEERING OR APPROVED ALTERNATIVE.

8.5 INSTALL INTUMESCENT COATING TO MANUFACTURER'S WRITTEN INSTRUCTIONS, USING SPRAY, BRUSH OR ROLLER, AS RECOMMENDED BY MANUFACTURER. APPLY AT APPLICATION RATE AND DRY FILM THICKNESS ASRECOMMENDED BY MANUFACTURER. PROVIDE MINIMUM DRY FILM THICKNESS REQUIRED FOR THE SIZE, ORIENTATION AND FIRE-RESISTANT RATING INDICATED FOR WOOD ELEMENT TO BE PROTECTED.

8.6 APPLY ADDITIONAL COATS UNTIL CLEAR COAT IS OF UNIFORM FINISH, COLOR, AND APPEARANCE, FINISH EXPOSED SURFACES TO A SMOOTH HARD FINISH, FREE OF STREAKS, BRUSH MARKS, TROWEL MARKS, SPLATTERS AND DRIPS. ENSURE EDGES, CORNERS, CREVICES, AND EXPOSED FASTENERS RECEIVE DRY FILM THICKNESS EQUIVALENT TO THAT OF FLAT SURFACES. REMOVE EXCESS MATERIAL PROMPTLY AS WORK PROGRESSES AND UPON COMPLETION.

9 ACCESSORIES

9.1 FASTENERS: TO SUIT SIZE AND NATURE OF COMPONENTS BEING FASTENED.

9.2 NAILS AND STAPLES: TO ASTM F1667 AND ASME B18.6.1.; GALVANIZED TO ASTM F2329 FOR EXTERIOR WORK, INTERIOR HUMID AREAS AND FOR TREATED LUMBER; STAINLESS STEEL FINISH ELSEWHERE.

9.3 WOOD SCREWS: STAINLESS STEEL, TYPE AND SIZE TO SUIT APPLICATION.

9.4 SPIKES: METAL.

9.5 ADHESIVE: RECOMMENDED BY MANUFACTURER. ADHESIVES: MAXIMUM VOC LIMIT 1.9 LBS/FT3 IN ACCORDANCE WITH SCAQMD RULE 1168 - ADHESIVES AND SEALANTS APPLICATIONS

10 INSTALLATION

10.1 SCRIBE AND CUT AS REQUIRED TO FIT ABUTTING WALLS, AND SURFACES, TO FIT PROPERLY INTO RECESSES AND TO ACCOMMODATE INTERSECTING OR PENETRATING OBJECTS. SECURE MATERIALS AND COMPONENTS IN PLACE, RIGID, PLUMB AND SQUARE, WITH TIGHT, HAIRLINE JOINTS TO LOCATIONS INDICATED ON DRAWINGS AND IN ACCORDANCE WITH NAAWS, AND AS FOLLOWS:

10.1.1 FORM JOINTS TO CONCEAL SHRINKAGE

10.1.2 SET FINISHING NAILS TO RECEIVE FILLER

10.1.3 COUNTERSINK SCREWS IN ROUND CLEANLY CUT HOLE AND PLUG WITH WOOD PLUG MATCHING MATERIAL BEING SECURED

10.1.4 MATCH WOOD PIECES END TO END FOR CONSISTENT COLOR AND GRAIN APPEARANCE; SPACE AND CENTER JOINTS EVENLY IN RUNS.

11 CONSTRUCTION

11.1 POSITION ITEMS OF FINISHED CARPENTRY WORK ACCURATELY, LEVEL, PLUMB, TRUE AND FASTEN OR ANCHOR SECURELY.

11.2 DESIGN AND SELECT FASTENERS TO SUIT SIZE AND NATURE OF COMPONENTS BEING JOINED. USE...

11.3 SET FINISHING NAILS TO RECEIVE FILLER. WHERE SCREWS ARE USED TO SECURE MEMBERS, COUNTERSINK SCREW IN ROUND SMOOTH CUT HOLE AND PLUG WITH WOOD PLUG TO MATCH MATERIAL BEING SECURED.

11.4 REPLACE ITEMS OF FINISH CARPENTRY WITH DAMAGE TO WOOD SURFACES INCLUDING HAMMER AND OTHER BRUISES.

11.5 STANDING AND RUNNING TRIM

11.5.1 BUTT AND COPE INTERNAL JOINTS OF BASEBOARDS TO MAKE SNUG, TIGHT, JOINT. CUT RIGHT ANGLE JOINTS OF CASING AND BASE WITH MITRED JOINTS.

11.5.2 FIT BACKS OF BASEBOARDS AND CASING SNUGLY TO WALL SURFACES TO ELIMINATE CRACKS AT JUNCTION OF BASE AND CASING WITH WALLS.

11.5.3 INSTALL TRIM IN CONTINUOUS LENGTHS TO SOLID BACKING USING A MINIMUM OF NAILS, COUNTERSINK AND FILL WITH MATCHING FILLER. MITER CORNERS TO FLUSH HAIRLINE JOINTS. MAKE JOINTS IN BASEBOARD, WHERE NECESSARY USING A 45 DEGREES SCARF TYPE JOINT.

11.5.4 INSTALL DOOR AND WINDOW TRIM IN SINGLE LENGTHS WITHOUT SPLICING.

11.6 INTERIOR FRAMES: SET FRAMES WITH PLUMB SIDES, LEVEL HEADS AND SILLS, AND SECURE TO WALL FRAMING WITH SUITABLE SIZED FASTENERS CONCEALED IN FINAL INSTALLATION. FRAMES SUPPLIED KNOCKED DOWN SHALL BE GLUED AND CONCEALED NAILED.

11.7 PANELLING: INSTALL PANELLING IN ACCORDANCE WITH NAAWS SECTION 8.6.1.11.

11.8 STAIRS: INSTALL STAIRS TO LOCATION AND DETAILS AS INDICATED

11.9 HANDRAILS, WALL RAILS AND BUMPER RAILS: MAKE JOINTS HAIR LINE, DOWELLED AND GLUED. INSTALL METAL BACKING PLATES BETWEEN STUDS AT BRACKET LOCATIONS TO ENSURE PROPER SUPPORT FOR BRACKETS AND BOLTS OR SELF TAPPING SCREWS. SECURE USING COUNTER SUNK SCREWS PLUGGED WITH MATCHING WOOD PLUGS.

11.10 SHELVING: INSTALL SHELVING ON LEDGERS OR SHELF BRACKETS.

SECTION 06 40 00 – ARCHITECTURAL WOODWORK

1 THE WORK OF THIS SECTION INCLUDES THE SUPPLY INSTALLATION OF SHOP MANUFACTURED ARCHITECTURAL WOODWORK.

2 WOOD USED AS PART OF THIS WORK SHALL BE FSC (FOREST STEWARDSHIP COUNCIL) CERTIFIED.

SECTION 06 40 00 – ARCHITECTURAL WOODWORK CONTINUED...

3 QUALITY ASSURANCE

3.1 ARCHITECTURAL WOODWORK STANDARDS (AWS) AND ERRATA SHALL BE USED TO ESTABLISH THE MINIMUM LEVEL OF QUALITY FOR THIS PROJECT.

3.2 PERFORM THE WORK IN ACCORDANCE WITH THE DEFINITION OF 'GOOD WORKMANSHIP' AS DEFINED IN THE AWS.

3.3 CERTIFIED COMPLIANCE PROGRAM (CCP)

3.3.1 MANUFACTURE AND/OR INSTALL ARCHITECTURAL WOODWORK TO THE CURRENT AWI ARCHITECTURAL WOODWORK STANDARDS AND SUBJECT TO AN INSPECTION AT THE FACTORY AND/OR SITE BY AN APPOINTED AWI CERTIFIED INSPECTOR. INSPECTION COSTS SHALL BE INCLUDED IN THE TENDER PRICE FOR THIS PROJECT. (CONTACT YOUR LOCAL AWI CHAPTER FOR DETAILS OF INSPECTION COSTS). SHOP DRAWINGS SHALL BE SUBMITTED TO THE AWI CHAPTER OFFICE FOR REVIEW BEFORE WORK COMMENCES. WORK THAT DOES NOT MEET THE AWI ARCHITECTURAL WOODWORK STANDARDS, AS SPECIFIED, SHALL BE REPLACED. REWORKED AND/OR REFINISHED BY THE ARCHITECTURAL WOODWORK CONTRACTOR, TO THE APPROVAL OF AWI , AT NO ADDITIONAL COST TO THE OWNER.

3.3.2 IF THE WOODWORK CONTRACTOR IS AN AWI MANUFACTURER MEMBER IN GOOD STANDING, A TWO (2) YEAR AWI GUARANTEE CERTIFICATE WILL BE ISSUED. THE AWI GUARANTEE SHALL COVER REPLACING, REWORKING AND/OR REFINISHING DEFICIENT ARCHITECTURAL WOODWORK DUE TO FAULTY WORKMANSHIP OR DEFECTIVE MATERIALS SUPPLIED AND/OR INSTALLED BY THE WOODWORK CONTRACTOR, WHICH MAY APPEAR DURING A TWO (2) YE

1 2 3 4 5

SECTION 07 84 00 - FIRESTOPPING and SMOKESEALS CONTINUED...

3 SUBMITTALS:

3.1 SUBMIT SHOP DRAWINGS, PRODUCT DATA AND TEST REPORTS THAT DEMONSTRATE COMPLIANCE TO UL LABELLED ASSEMBLIES.

3.2 FIRESTOPPING MATERIALS AND SYSTEMS DESIGNED TO ACT AS A FIRESTOP AND SMOKESEAL WITHIN RATED AND NON-RATED FIRE SEPARATIONS FOR:

3.2.1 ANY THROUGH PENETRATING ITEMS SUCH AS CABLES, CABLE TRAYS, CONDUITS, DUCTS AND PIPES AND ANY POKE-THROUGH TERMINATION DEVICES, SUCH AS ELECTRICAL BOXES ALONG WITH THEIR MEANS OF SUPPORT THROUGH THE WALL OR FLOOR OPENING;

3.2.2 AT UN-PENETRATED OPENINGS;

3.2.3 AT PROJECTING OR RECESSED ITEMS;

3.2.4 AT OPENINGS AND JOINTS WITHIN AND AROUND FIRE SEPARATIONS;

3.2.5 AT PENETRATIONS THROUGH, TOP OF, INTERSECTION OF, CONTROL JOINTS IN, OPENINGS AND SLEEVES THROUGH FIRE-RESISTANCE RATED GYPSUM BOARD PARTITIONS AND WALLS;

3.2.6 AROUND MECHANICAL AND ELECTRICAL SERVICES PENETRATING FIRE SEPARATIONS;

3.2.7 RIGID DUCTS: GREATER THAN 129 CM2 ; FIRESTOPPING TO CONSIST OF BEAD OF FIRESTOPPING MATERIAL BETWEEN RETAINING ANGLE AND FIRE SEPARATION AND BETWEEN RETAINING ANGLE AND DUCT, ON EACH SIDE OF FIRE SEPARATION.

4 SEQUENCE WORK AS LATE AS POSSIBLE IN THE CONSTRUCTION SCHEDULE TO MINIMIZE RE-ENTERING FIRESTOPS AND TO PERMIT INSTALLATION OF FIRESTOPPING AND SMOKE SEAL MATERIALS TO BE INSTALLED AFTER ADJACENT WORK IS COMPLETE AND BEFORE CLOSURE OF SPACES.

5 PERFORMACE/DESIGN CRITERIA:

5.1 DELEGATED DESIGN REQUIREMENTS: DESIGN FIRESTOPPING AND SMOKESEALS REQUIRED BY THE CONTRACT DOCUMENTS TO WITHSTAND FIRE RATINGS INDICATED AND IN ACCORDANCE WITH REQUIREMENTS OF THE BUILDING CODE, AND AS DESCRIBED IN SECTION 01 35 00

5.2 MANUFACTURER SHALL DESIGN PROPRIETARY ASSEMBLIES TO WITHSTAND THE LISTED RATINGS IN ACCORDANCE WITH THE BUILDING CODE, UNDERWRITERS LABORATORIES (UL), AND AUTHORITIES HAVING JURISDICTION.

6 MATERIALS

6.1 MATERIAL COMPATIBILITY: PROVIDE FIRESTOPPING AND SMOKESEALS SYSTEMS THAT ARE COMPATIBLE WITH ONE ANOTHER, WITH THE SUBSTRATES FORMING OPENINGS, AND WITH THE ITEMS, IF ANY, PENETRATING FIRESTOPPING AND SMOKESEALS SYSTEMS, UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY FIRESTOPPING AND SMOKESEALS SYSTEM MANUFACTURER BASED ON TESTING AND FIELD EXPERIENCE.

6.2 ACCESSORIES: PROVIDE COMPONENTS FOR EACH FIRESTOPPING AND SMOKESEALS SYSTEMS THAT ARE NEEDED TO INSTALL FILL MATERIALS. USE ONLY COMPONENTS SPECIFIED BY FIRESTOPPING AND SMOKESEALS SYSTEM MANUFACTURER AND APPROVED BY THE QUALIFIED TESTING AND INSPECTING AGENCY FOR FIRESTOPPING AND SMOKESEALS SYSTEMS INDICATED

7 FIRESTOPPING SYSTEMS: TESTED IN ACCORDANCE WITH ASTM E814, LISTED AND CERTIFIED BY A THIRD PARTY TESTING AGENCY AS ASBESTOS FREE, AND BEARING THE FOLLOWING RATING:

7.1 FIRESTOP SYSTEM RATING: IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE, NOT LESS THAN THE FIRE-RESISTANCE RATING OF SURROUNDING FLOOR OR WALL ASSEMBLY, AND NOT BE LESS THAN TWENTY (20) MINUTES WHEN INSTALLED IN A NON RATED FLOOR OR WALL ASSEMBLY.

7.2 FIRESTOP SYSTEM SHALL ACT AS AN EFFECTIVE SMOKE SEAL AND HAVE A FLAME SPREAD RATING LESS THAN 25.

8 FIRESTOPPING SEALS AT OPENINGS INTENDED FOR EASE OF RE-ENTRY SUCH AS CABLES: ELASTOMERIC SEALS; DO NOT USE CEMENTITIOUS OR RIGID SEAL AT SUCH LOCATIONS.

9 FIRESTOPPING AT OPENINGS AROUND PENETRATIONS FOR PIPES, DUCTWORK AND OTHER MECHANICAL ITEMS REQUIRING SOUND AND VIBRATION CONTROL: ELASTOMERIC SEAL; DO NOT USE A CEMENTITIOUS OR RIGID SEAL AT SUCH LOCATIONS.

10 PRIMERS, DAMMING AND BACKUP MATERIALS, SUPPORTS AND ANCHORING DEVICES: TO THE MANUFACTURER'S RECOMMENDATION FOR SPECIFIC MATERIAL, SUBSTRATE AND END USE AND IN ACCORDANCE WITH TESTED ASSEMBLY BEING INSTALLED AS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

11 ACCEPTABLE MANUFACTURERS: HILTI OR PRE-APPROVED ALTERNATIVE.

12 COORDINATE FIRESTOPPING AND SMOKE SEAL WORK WITH THE MECHANICAL AND ELECTRICAL SPECIFICATIONS TO IDENTIFY CONDUIT, WIRE CABLES, DUCTWORK, PIPING AND SIMILAR PROTRUSIONS PENETRATING FIRE SEPARATIONS.

13 INSTALL FIRESTOPPING AND SMOKE SEAL MATERIAL AND COMPONENTS IN ACCORDANCE WITH UNDERWRITER'S CERTIFICATION AND THE MANUFACTURER'S INSTRUCTIONS.

14 APPLICATION

14.1 APPLY FIRESTOPPING AND SMOKESEALS MATERIALS/SYSTEMS TO MAINTAIN THE FIRE SEPARATIONS IN THE PROJECT AS INDICATED ON DRAWINGS.

14.2 SEAL HOLES OR VOIDS MADE BY THROUGH PENETRATIONS, POKE THROUGH TERMINATION DEVICES, AND UNPENETRATED OPENINGS OR JOINTS TO ENSURE CONTINUITY AND INTEGRITY OF FIRE SEPARATION ARE MAINTAINED.

14.3 PROVIDE TEMPORARY FORMING AS REQUIRED AND REMOVE FORMING ONLY AFTER MATERIALS HAVE GAINED SUFFICIENT STRENGTH AND AFTER INITIAL CURING.

14.4 TOOL OR TROWEL EXPOSED SURFACES TO NEAT FINISH.

14.5 REMOVE EXCESS COMPOUND PROMPTLY AS WORK PROGRESSES AND UPON COMPLETION

SECTION 07 92 00 - JOINT SEALANTS

1 DO NOT USE CAULKING THAT EMITS STRONG ODOURS, CONTAINS TOXIC CHEMICALS OR IS NOT CERTIFIED AS MOULD RESISTANT IN AIR HANDLING UNITS.

2 ENSURE THAT USAGE IS CONTAINED BEHIND AIR BARRIERS WHEN LOW TOXICITY SEALANTS ARE NOT POSSIBLE, VOC TO BE BELOW 4000 LBS/FT3.

3 USE ONLY PRIMERS THAT ARE QUALIFIED WITH SEALANTS.

4 PROVIDE VOC CONTENT LIMITS OF SEALANTS SHALL BE IN ACCORDANCE WITH SCAQMD RULE 1168:

5 SUBJECT TO COMPLIANCE WITH SPECIFICATIONS THE FOLLOWING PRODUCTS ARE ACCEPTABLE:

5.1. INTERIOR GENERAL-PURPOSE APPLICATIONS (DOOR FRAMES, NON SANITARY JOINTS, AND ACOUSTICAL SEALANT APPLICATIONS): LATEX SEALANT CONFORMING TO ASTM C834; SINGLE COMPONENT, SOLVENT CURING, NONSTAINING, NONBLEEDING, NONSAGGING; PAINTABLE COLOR AS SELECTED. ACCEPTABLE PRODUCTS: TREMFLEX 834 OR APPROVED ALTERNATIVE.

5.2 TRAFFIC LOCATIONS: MULTI-COMPONENT POLYURETHANE SEALANT CONFORMING TO ASTM C920, TYPE M, GRADE P, USE T AMO, CLASS 25. ACCEPTABLE PRODUCTS: THC 900 BY TREMCO OR APPROVED ALTERNATIVE:

5.3 REFER TO SECTION 09 31 00 FOR SEALANTS TO USE IN CONJUCTION WITH TILING.

5.4 MILDEW RESISTANT FOR USE IN INTERIOR SANITARY APPLICATIONS; COUNTERTOPS, BACKSPLASHES, LAVATORIES, AND PLUMBING FIXTURES. SINGLE COMPONENT SILICONE SEALANT CONFORMING TO ASTM C834 TYPE S. ACCEPTABLE PRODUCTS: TREMSIL 200 BY TREMCO OR APPROVED ALTERNATIVE.

6 ACCESSORIES:

6.1 BACKER ROD: NON-ADHERENT TYPE, OPEN OR CLOSED CELL TO SUIT APPLICATION REQUIREMENTS FLEXIBLE ROD, CONFORMING TO ASTM D1330 COMPATIBLE WITH PRIMERS AND SEALANTS USED, OF TYPE AS RECOMMENDED BY SEALANT MANUFACTURER, DIAMETER: 1/3 GREATER THAN WIDTH OF JOINT WHERE IT IS TO BE INSTALLED. POLYSTYRENE FOAM AND OPEN CELL RODS ARE NOT ACCEPTABLE.

6.2 BOND BREAKER TAPE: POLYETHYLENE TAPE/PLASTIC TAPE RECOMMENDED BY SEALANT MANUFACTURER, APPLIED TO SEALANT CONTACT SURFACES WHERE BOND TO SUBSTRATE OR BACKER ROD MUST BE AVOIDED FOR PROPER PERFORMANCE OF SEALANT. PROVIDE SELF-ADHESIVE TAPE WHERE APPLICABLE.

6.3 SOLVENTS, CLEANERS AND PRIMERS: LOW VOC, NON-STAINING, NON-CORROSIVE TYPES AS RECOMMENDED BY SEALANT MANUFACTURER FOR EACH PARTICULAR SUBSTRATE AND COMPATIBLE WITH JOINT FORMING MATERIALS.

6.4 PRIMER: NON-STAINING TYPE AS RECOMMENDED BY SEALANT MANUFACTURER

6.5 JOINT CLEANER: NON-CORROSIVE SOLVENT TYPE RECOMMENDED BY SEALANT MANUFACTURER FOR APPLICABLE SUBSTRATE MATERIALS

7 COLORS: TO MATCH ADJACENT MATERIALS, AS SELECTED BY CONSULTANT, FROM MANUFACTURER'S STANDARD COLOR RANGE

8 INSPECTION: CAREFULLY INSPECT SURFACES, MATERIALS TO RECEIVE SEALANTS AND VERIFY THEY ARE PHYSICALLY CAPABLE OF RETAINING SEALANT BOND

9 SURFACE PREPARATION: PREPARE SURFACES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS

10 INSTALL SEALANTS, PRIMERS AND ACCESSORIES IN STRICT ACCORDANCE WITH ASTM C1193 AND MANUFACTURER'S INSTRUCTIONS.

DIVISION 8 – OPENINGS

SECTION 08 11 13 - STEEL DOORS AND FRAMES

1 SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH SECTION 01 33 00 – SUBMITTAL PROCEDURES. INDICATE GENERAL CONSTRUCTION OF EACH TYPE OF DOOR AND FRAME, CONFIGURATIONS, MATERIAL, MATERIAL THICKNESS, JOINTING METHODS, MORTISES, REINFORCEMENTS, ANCHORS, ARRANGEMENT OF HARDWARE, FIRE RATINGS, FINISH AND SPECIAL FEATURES.

2 MANUFACTURER/FABRICATOR: USE A MEMBER IN GOOD STANDING OF THE HOLLOW METAL MANUFACTURER'S ASSOCIATION. PERFORM WORK IN ACCORDANCE WITH HOLLOW METAL MANUFACTURERS' ASSOCIATION (HMMA), RECOMMENDED SPECIFICATIONS FOR COMMERCIAL STEEL DOORS AND FRAMES

3 STEEL FIRE RATED DOORS AND FRAMES: LABEL AND LIST FIRE RATED DOORS AND FRAMES BY AN ORGANIZATION IN CONFORMANCE WITH ANSI/UL 10B AND ANSI/UL 10C AND NFPA FOR RATINGS INDICATED. FIRE LABELS MUST BE FACTORY APPLIED BY THE MANUFACTURER

SECTION 08 11 13 - STEEL DOORS AND FRAMES CONTINUED...

4 MATERIALS

4.1 DOORS AND FRAMES: COATED STEEL SHEETS TO ASTM A924/M924; COATING DESIGNATION TO ASTM A653/A653M: COMMERCIAL STEEL (CS), TYPE B, ZF180

4.2 EXTERIOR DOORS AND FRAMES AND INTERIOR HIGH HUMIDITY AREA: COATED STEEL SHEETS TO ASTM A924/M924; COATING DESIGNATION TO ASTM A653/A653M: COMMERCIAL STEEL (CS), TYPE B, ZF180 GALVANNEALED

4.3 DOOR CORE MATERIALS

4.3.1 HONEYCOMB (INTERIOR ONLY): STRUCTURAL SMALL CELL 1" MAXIMUM. KRAFT PAPER HONEYCOMB, WEIGHT: 80 LBS/REAM MINIMUM, DENSITY: 1.03 LBS/FT3 MINIMUM.

4.3.2 POLYSTYRENE: RIGID EXTRUDED, CLOSED CELL INSULATION, FIRE RETARDANT TREATED MEETING THE REQUIREMENTS OF ASTM C578, TYPE 4, MINIMUM THERMAL RESISTANCE R VALUE 4.5°I1° THICKNESS.

4.3.3 POLYURETHANE: RIGID, CELLULAR TYPE, BOARD, CONFORMING TO ASTM D1622, OR FOAMED-IN-PLACE, 1.8 LBS/FT3 DENSITY MINIMUM, CONTAINING NO UREA FORMALDEHYDE RESINS.

4.3.4 SEMI-RIGID MINERAL WOOL BLANKET AND BATT INSULATION, DENSITY 1.5 LBS/FT3 MINIMUM, CONFORMING TO ASTM C553.

4.3.5 POLYISOCYANURATE: RIGID, MODIFIED POLYISOCYANURATE, CLOSED CELL BOARD, TYPE 1, CONFORMING TO ASTM C1289.

4.3.6 FIBERGLASS: LOOSE BATT TYPE, DENSITY 1.5 LBS/FT3 MINIMUM, CONFORMING TO UL S702

4.4 ADHESIVES: HEAT RESISTANT, SPRAY GRADE, RESIN REINFORCED NEOPRENE/RUBBER (POLYCHLOROPRENE) BASED, LOW VISCOSITY, CONTACT CEMENT AND AS RECOMMENDED BY MANUFACTURER.

5 FINISH: PREPARE SURFACES FOR FIELD PAINTING TO ASTM D6386 AND ASTM D7396. FIELD PAINT STEEL DOORS AND FRAMES IN ACCORDANCE WITH SECTION 09 91 00 PAINTING. PROTECT WEATHERSTRIPS FROM PAINT. PROVIDE FINAL FINISH FREE OF SCRATCHES OR OTHER BLEMISHES

6 ACCESSORIES

6.1 DOOR SILENCERS (BUMPERS): GREY RUBBER, TO ANSI/BHMA A156.16 TYPE 6-180; THREE SILENCERS ON STRIKE JAMBS OF SINGLE DOOR FRAMES; TWO SILENCERS ON HEADS OF DOUBLE DOOR FRAMES; SCREW FASTENER APPLIED

6.2 FLOOR ANCHORS: 5/32" MINIMUM ADJUSTABLE FLOOR CLIP ANGLES WITH 2 HOLES FOR ANCHORAGE TO FLOOR.

6.3 EXTERIOR TOP CAPS: [RIGID POLYVINYLCHLORIDE (PVC) EXTRUSION IN ACCORDANCE WITH ASTM D4726] [STEEL].

6.4 METALLIC PASTE FILLER: TO MANUFACTURER'S STANDARD.

6.5 FASTENERS: TAMPERPROOF TYPE 304 STAINLESS STEEL SCREWS WITH COUNTERSUNK FLAT HEAD.

6.6 SEALANT: SECTION 07 92 00 – JOINT SEALANTS.

6.7 GLAZING AND GLAZING STOPS: SECTION 08 80 50 – GLAZING.

7 FABRICATION

7.1 WELDED CONSTRUCTION: ASSEMBLE UNITS BY WELDING IN ACCORDANCE WITH AWS D1.1, STRUCTURAL WELDING CODE TO PRODUCE A FINISHED UNIT SQUARE, TRUE AND FREE OF DISTORTION. WELDING SHALL BE UNDERTAKEN ONLY BY A FABRICATOR FULLY APPROVED BY THE AMERICAN WELDING SOCIETY TO THE REQUIREMENTS OF AWS D1.1, STRUCTURAL WELDING CODE.

7.2 MAKE PROVISIONS IN DOORS AND FRAMES TO SUIT REQUIREMENTS OF TRADE OR SECTION PROVIDING ELECTRICALLY OPERATED HARDWARE OR SECURITY DEVICES. PROVIDE REMOVABLE PLATES OR KNOCK OUTS FOR ELECTRICAL CONTACTS. PROVIDE JUNCTION BOXES ON SECURITY DOOR FRAMES AS REQUIRED FOR DOOR STRIKES, MAG LOCKS AND DOOR CONTACTS. ENSURE FRAMES ARRIVE ON SITE PREPARED FOR WIRING.

7.3 FABRICATE FRAMES IN ACCORDANCE WITH HMMA SPECIFICATIONS. ACCURATELY FORM FRAMES TO PROFILES INDICATED. CONSTRUCT FRAMES STRAIGHT AND FREE FROM TWIST OR WARP.

7.4 FABRICATE STEEL DOORS RIGID, NEAT IN APPEARANCE, AND FREE FROM DEFECTS INCLUDING WARP AND BUCKLE; 1-3/4" THICKNESS OF TYPES AND SIZES INDICATED ON DRAWINGS. FABRICATE DOORS WITH THE FOLLOWING CLEARANCES:

7.4.1 DO NOT EXEED 1/8" FOR CLEARANCE BETWEEN DOOR AND FRAME AND BETWEEN MEETING EDGES OF DOORS SWINGING IN PAIRS.

7.4.2 DO NOT EXEED 3/4" CLEARANCE BETWEEN THE BOTTOM OF DOOR AND FLOOR OR AS REQUIRED TO ACCOMMODATE SPECIFIED HARDWARE

7.4.3 PROVIDE CLEARANCE BETWEEN BOTTOM OF DOOR AND A RAISED NON COMBUSTIBLE SILL IN ACCORDANCE WITH NFPA 80

7.4.4 PROVIDE CLEARANCE BETWEEN BOTTOM OF DOOR AND NOMINAL SURFACE OF COMBUSTIBLE FLOOR COVERINGS IN ACCORDANCE WITH NFPA 80

7.5 FABRICATE EXTERIOR DOORS: FLUSH, LOCK SEAM CONSTRUCTION, INSULATED DOORS FABRICATED IN ACCORDANCE WITH ANSI/SDI A250.8.

7.6 FABRICATE FIRE RATED DOORS: FLUSH, LOCK SEAM CONSTRUCTION, HOLLOW STEEL DOORS FABRICATED IN ACCORDANCE WITH ANSI/UL 10B AND ANSI/UL 10C AND NFPA 80.

8 EXAMINATION: VERIFY CONDITION AND DIMENSIONS OF PREVIOUSLY INSTALLED WORK UPON WHICH THIS SECTION DEPENDS. REPORT DEFECTS TO CONSULTANT. COMMENCEMENT OF WORK MEANS ACCEPTANCE OF EXISTING CONDITIONS.

9 INSTALL DOORS, FRAMES AND ACCESSORIES IN ACCORDANCE WITH REVIEWED SHOP DRAWINGS, ANSI A250.11, HMMA GUIDE SPECIFICATION FOR INSTALLATION AND STORAGE OF HOLLOW METAL DOORS AND FRAMES, MANUFACTURER'S DATA, AND AS SPECIFIED IN THIS SECTION

10 DAMAGED OR TWISTED DOOR AND FRAMES, OR DOORS WITH INTERIOR CORES OR FRAME TELEGRAPHING THROUGH, WILL BE REJECTED

11 FRAME TOLERANCES: INSTALL FRAMES TO TOLERANCES LISTED IN ANSI A250.11, AND AS FOLLOWS:

11.1 SQUARENESS: MAXIMUM 1/16" MEASURED ACROSS OPENING BETWEEN HINGE JAM AND STRIKE JAMB.

11.2 PLUMBNESS: MAXIMUM 1/16" MEASURED FROM BOTTOM OF FRAME TO HEAD LEVEL.

11.3 ALIGNMENT: MAXIMUM 1/16" MEASURED OFFSET BETWEEN FACE OF HINGE JAMB AND STRIKE JAMB RELATIVE TO WALL CONSTRUCTION.

11.4 TWIST: MAXIMUM 1/16" MEASURED FROM LEADING EDGE OF OUTSIDE FRAME RABBET TO LEADING EDGE OF INSIDE FRAME RABBET.

12 INSTALL HARDWARE IN ACCORDANCE WITH HARDWARE TEMPLATES AND MANUFACTURER'S INSTRUCTIONS AND SECTION 08 71 00 - DOOR HARDWARE.

13 TOUCH-UP AREAS WHERE GALVANIZED COATING HAS BEEN REMOVED OR DAMAGED WITH PRIMER.

SECTION 08 11 16 – ALUMINUM DOORS AND FRAMES

1 SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH SECTION 01 33 00 – SUBMITTAL PROCEDURES. INDICATE MATERIALS AND PROFILES AND PROVIDE FULL SIZE, SCALED DETAILS OF COMPONENTS FOR EACH TYPE OF DOOR AND FRAME. SUBMIT CATALOGUE DETAILS FOR EACH TYPE OF DOOR AND FRAME ILLUSTRATING PROFILES, DIMENSIONS AND METHODS OF ASSEMBLY

2 TESTING: SUBMIT TWO COPIES OF MANUFACTURERS FIELD REPORTS.

3 SUPPLY PRODUCTS WITH FACTORY APPLIED PERFORMANCE RATING LABELS SHOWING PRIMARY AND SECONDARY DESIGNATORS AND ATTESTING TO CONFORMANCE WITH NAFS-11 AND AAMA/WDMA 101/I.S. 2/A440. ALTERNATIVELY, NAFS PERFORMANCE RATINGS AND TEST SPECIMEN DESCRIPTIONS MAY BE SHOWN ON THE FENESTRATION SHOP DRAWINGS.

4 FABRICATOR SHALL HAVE MINIMUM OF 5 YEARS SUCCESSFUL EXPERIENCE IN FABRICATION AND ERECTION OF METAL ENTRANCES OF SIMILAR SIZES, SHAPES AND FINISHES TO UNITS REQUIRED FOR THIS PROJECT AND SHALL HAVE AMPLE FACILITIES TO PRODUCE, FURNISH AND SUPPLY UNITS AS REQUIRED FOR INSTALLATION WITHOUT DELAY TO WORK.

5 PERFORMANCE/DESIGN CRITERIA: ENGAGE REGISTERED PROFESSIONAL ENGINEER TO REVIEW STRUCTURAL DESIGN AND ATTACHMENT TO BUILDING STRUCTURE, SEAL SHOP DRAWINGS, CARRY OUT FIELD REVIEWS

6 MATERIALS

6.1 ALUMINUM EXTRUSIONS: ALUMINUM ASSOCIATION ALLOY AA6063 T5, T6, OR T54 ANODIZING QUALITY

6.2 SHEET ALUMINUM: ALLOY 1100, F TEMPER, 1/8" MINIMUM THICKNESS EXPOSED SHEET FINISHED TO MATCH FRAMES AS SPECIFIED.

6.3 STEEL REINFORCEMENT: TO ASTM A653, GRADE 300 W, SHOP PAINTED WITH ZINC CHROMATE PRIMER, THICKNESS AS REQUIRED TO SUPPORT IMPOSED LOADS AND IN NO CASE LESS THAN 3/16" THICK.

6.4 FASTENERS: TO ASTM A167, STAINLESS STEEL, TYPE 316, FINISHED TO MATCH ADJACENT MATERIAL AND SELECTED TO PREVENT GALVANIC ACTION WITH FASTENED MATERIALS OF SUITABLE SIZE TO SUSTAIN IMPOSED LOADS.

6.5 GLAZING MATERIALS: REFER TO SECTION 08 80 50, SPACERS FOR GLAZING, BACKPANS/ALUMINUM SPANDRELS TO BE FULL LENGTH, PURPOSE MADE, ALUMINUM CHANNELS

6.6 SEALANT: INCLUDING PRIMER, JOINT FILLER, AS SPECIFIED IN SECTION 07 92 00.

6.7 THERMAL SEPARATOR: POLYVINYLCHLORIDE, 50 SHORE A DUROMETER HARDNESS +5

6.8 DOOR SEALS AS RECOMMENDED BY MANUFACTURER.

7 DOOR HARDWARE: ACCORDING TO SECTION 08 71 00 – DOOR HARDWARE AND DOOR MANUFACTUERS STANDARD HARDWARE OPTIONS.

8 FINISHES

8.1 CLEAR ANODIZED: EXPOSED ALUMINUM SURFACES SHALL BE ALUMINUM ASSOCIATION (AA) ARCHITECTURAL CLASS I, AA M12C22A41, CLEAR ANODIZED MATCHING KAWNEER #14

8.2 COLORED ANODIZED FINISH: EXPOSED ALUMINUM SURFACES SHALL BE ALUMINUM ASSOCIATION (AA) ARCHITECTURAL CLASS I, AA M12C22A44, COLORS AS NOTED IN DRAWINGS.

8.3 THREE COAT PVDF COATING: AA C12 CHEMICAL FINISH, CLEANED WITH INHIBITED CHEMICALS; C40 CHEMICAL FINISH, CONVERSION COATING; R1X ORGANIC COATING, MANUFACTURER'S STANDARD 3 COAT, THERMO CURED SYSTEM CONSISTING OF SPECIALLY FORMULATED INHIBITIVE PRIMER, FLUOROPOLYMER COLOR COAT, AND CLEAR FLUOROPOLYMER TOPCOAT, WITH BOTH COLOR COAT AND CLEAR TOPCOAT CONTAINING NOT LESS THAN 70% PVDF RESIN BY WEIGHT; PREPARE, PRE TREAT, AND APPLY COATING TO EXPOSED METAL SURFACES IN ACCORDANCE WITH AAMA 2605 AND WITH COATING AND RESIN MANUFACTURERS' WRITTEN INSTRUCTIONS.

9 EXAMINATION: INSPECT WORK AND CONDITIONS AFFECTING THE WORK OF THIS SECTION. PROCEED ONLY AFTER DEFICIENCIES, IF ANY, HAVE BEEN CORRECTED

10 INSTALL DOORS AND FRAMES IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN DATA, INCLUDING PRODUCT TECHNICAL BULLETINS, PRODUCT CATALOGUE INSTALLATION INSTRUCTIONS, PRODUCT CARTON INSTALLATION INSTRUCTIONS AND DATA SHEETS. INSTALL DOORS AND FRAMES PLUMB, TRUE, LEVEL AND RIGID.

11 INSTALL GLAZING TO DETAILS AND INSTRUCTION, USING MATERIAL SPECIFIED

12 PERFORM CLEANING OF ALUMINUM COMPONENTS IN ACCORDANCE WITH AAMA 609.1 - VOLUNTARY GUIDE SPECIFICATION FOR CLEANING AND MAINTENANCE OF ARCHITECTURAL ANODIZED ALUMINUM.

SECTION 08 14 00 - WOOD DOORS AND FRAMES

1 PERFORM WORK IN ACCORDANCE WITH THE WDMA (WINDOW & DOOR MANUFACTURERS ASSOCIATION) I.S.1A: ARCHITECTURAL WOOD FLUSH DOORS. ALL DOORS AND FRAMES ARE TO BE FABRICATED AND INSTALLED TO WDMA STANDARDS.

2 SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH SECTION 01 33 00 – SUBMITTAL PROCEDURES. SHOW CONSTRUCTION AND MATERIALS USED IN CORES, SIZE AND SPECIES OF EDGE STRIP, THICKNESS AND SPECIES OF CROSS BANDING, THICKNESS AND SPECIES OF FACE VENEER, DETAILS OF OPENINGS AND MOULDINGS FOR GLAZING. INDICATE ELEVATION OF EACH KIND OF DOOR, DETAILS OF CONSTRUCTION, LOCATION AND EXTENT OF HARDWARE BLOCKING, [FIRE RATINGS], REQUIREMENTS FOR FACTORY FINISHING AND OTHER PERTINENT DATA.

3 MATERIALS

3.1 SOLID CORE WOOD DOORS: PARTICLE BOARD CORE MANUFACTURED FROM RECYCLED WOOD PRODUCTS OR FROM AGRIFIBRE; FORMALDEHYDE-FREE: MOISTURE RESISTANT POLYURETHANE RESIN. FACE FINISH: AS SCHEDULED. STILES AND RAILS GLUED TO CORE AND SANDED. GLUE TO BE FORMALDEHYDE-FREE, LOW VOC, TYPE 2 WATER RESISTANT. HARDWOOD EDGES TO MATCH FACE VENEER, SPECIES AS DIRECTED.

3.2 FIRE RATED WOOD DOORS: FIRE RESISTANCE RATING: AS SCHEDULED. PARTICLE BOARD CORE FOR 20-MINUTE DOORS, INCOMBUSTIBLE MINERAL CORE FOR OTHER RATINGS.

4 ACCESSORIES

4.1 WOOD DOOR FRAMES AND STOPS: REFER TO SECTION 06 20 00 – FINISH CARPENTRY.

4.2 METAL DOOR FRAMES: REFER TO SECTION 08 11 13 – STEEL DOORS AND FRAMES.

4.3 GLASS: CLEAR TEMPERED SAFETY GLASS AS SPECIFIED UNDER SECTION 08 80 50.

4.4 GLAZING STOPS: SOLID HARDWOOD WITH MITRED CORNERS, TO MATCH VENEERS.

4.5 WOOD LOUVERS TO MATCH FACE VENEER. REFER TO DRAWINGS FOR SIZES AND CONFIGURATION

5 FABRICATION

5.1 FABRICATE DOORS IN ACCORDANCE WITH NAAWS SECTION 9. FACTORY MACHINE DOORS FOR FINISH HARDWARE IN ACCORDANCE WITH HARDWARE REQUIREMENTS AND DIMENSIONS.

5.2 FABRICATE FIRE RATED DOORS TO SIZES REQUIRED TO ALLOW CLEARANCES SPECIFIED IN NFPA 80 AND AS FOLLOWS. COORDINATE WITH DOOR FRAMES AND DOOR HARDWARE TO BE UTILIZED.

6 PROVIDE SOLID WOOD BLOCKING IN DOORS TO SUIT APPLICATION OF SURFACE APPLIED FINISH HARDWARE. EXCEPT WHERE HARDWARE IS DESIGNED TO BE THROUGH BOLTED, ALL HARDWARE SHALL BE FASTENED TO SOLID WOOD BLOCKING.

7 FACTORY PRE-FIT DOORS FOR FRAME OPENINGS AND DIMENSIONS IDENTIFIED ON SHOP DRAWINGS AND SCHEDULES.

8 PROVIDE PREMIUM GRADE FACTORY FINISH FOR DOORS SCHEDULED TO RECEIVE A TRANSPARENT FINISH. FINISH TO MATCH APPROVED SAMPLE. FINISH SYSTEM TO BE LOW VOC, WATER-REDUCIBLE, HIGH SOLIDS, SELF-SEAL COATING, LOW IN ODOR AND OFFERING NON-YELLOWING CHARACTERISTICS. SATIN SHEEN. ACCEPTABLE PRODUCT: MOHAWK HYDROGOLD WATERBORNE LACQUER, OR APPROVED EQUAL. MAXIMUM VOC – 9.4 LBS/FT3 AVERAGE. AWS FINISH SYSTEM: ACRYLIC LACQUER.

9 COMPLY WITH MANUFACTURER'S WRITTEN DATA, INCLUDING PRODUCT TECHNICAL BULLETINS, PRODUCT CATALOGUE INSTALLATION INSTRUCTIONS, PRODUCT CARTON INSTALLATION INSTRUCTIONS, AND DATA SHEETS.

10 VERIFY ADEQUACY OF FRAME OPENING CONDITIONS. VERIFY FRAME OPENING SIZES AND TOLERANCES ARE ACCEPTABLE AND READY TO RECEIVE THE WORK.

11 INSTALL DOORS AND HARDWARE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND TEMPLATES SUPPLIED BY HARDWARE CONTRACTOR. FIT ACCURATELY USING FULL COMPLEMENT OF SCREWS AND DRAW UP TIGHT.

12 INSTALL HARDWARE IN ACCORDANCE WITH THE RECOMMENDED LOCATIONS FOR ARCHITECTURAL HARDWARE AS PUBLISHED BY THE DOOR AND HARDWARE INSTITUTE UNLESS DETAILED OTHERWISE ON DRAWINGS.

13 PILOT DRILL SCREW AND BOLT HOLES.

14 INSTALL FIRE-RATED DOORS IN ACCORDANCE WITH NFPA 80 AND LABELING AUTHORITY'S REQUIREMENTS. DO NOT REMOVE LABELS.

15 HANG DOORS TO OPEN AND CLOSE SMOOTHLY. KEEP AN EVEN MARGIN BETWEEN DOOR AND JAMB, SUFFICIENT ON ALL SIDES TO ALLOW FREE ACTION OF THE DOOR. READJUST AND CHECK ALL DOORS UPON COMPLETION OF THE WORK, CORRECTING ANY RESTRICTIONS TO THE FREE ACTION OF THE DOOR CAUSED BY PAINT, MOISTURE OR IMPROPER FIXING OF HARDWARE.

16 TRIM NON-RATED DOOR WIDTH BY CUTTING EQUALLY ON BOTH SIDES. TRIM DOOR HEIGHT BY CUTTING BOTTOM EDGES TO A MAXIMUM OF 3/4"

17 PROVIDE CLEARANCE ON DOORS AT HEAD AND JAMBS OF 3/32" AND 3/8" AT THRESHOLD. LATCH EDGE OF DOORS SHALL BE BEVELED ALLOWING FOR SWING CLEARANCE.

18 INSTALL DOOR GRILLES IN DOORS.

19 RE ADJUST DOORS AND HARDWARE JUST PRIOR TO COMPLETION OF BUILDING TO FUNCTION FREELY AND PROPERLY.

20 REMOVE HANDLING MARKS AND DRAG MARKS BY LIGHTLY SANDING DOORS IMMEDIATELY AFTER INSTALLATION.

21 CLEAN AND POLISH HARDWARE. REMOVE ANY SCRATCHED, MARRED OR DAMAGED HARDWARE AND REPLACE WITH NEW. UPON COMPLETION OF INSTALLATION, A REPRESENTATIVE OF THE HARDWARE SUPPLIER SHALL REVIEW INSTALLATION AND CONFIRM IN WRITING TO THE CONSULTANT THAT FINISH HARDWARE HAS BEEN INSTALLED CORRECTLY.

22 FINISH DOORS AS SCHEDULED.

SECTION 08 33 36 - FOLDING GRILLES

1 INSTALLATION OF TENANT CONTRACTOR SUPPLIED SIDE FOLDING GRILLES.

2 SUBMIT THE FOLLOWING:

2.1 PRODUCT DATA: MANUFACTURER'S DATA SHEETS ON EACH ANY NEW GRILLE PANELS, ACCESSORIES OR EQUIPMENT. INCLUDE PREPARATION INSTRUCTIONS AND RECOMMENDATIONS, STORAGE AND HANDLING REQUIREMENTS AND RECOMMENDATIONS.

2.2 SHOP DRAWINGS FOR GRILLE REMODEL AND NEW GRILLE: INCLUDE OPENING DIMENSIONS AND REQUIRED TOLERANCES, CONNECTION DETAILS, ANCHORAGE SPACING, HARDWARE LOCATIONS, AND INSTALLATION DETAILS.

2.3 PROVIDE OPERATION AND MAINTENANCE DATA FOR NEW SLIDING GRILLES, CLOSURES AND HARDWARE.

3 PROVIDE COMPONENTS FROM A SINGLE MANUFACTURER WITH RESOURCES TO PROVIDE CONSISTENT QUALITY IN APPEARANCE. IF POSSIBLE, NEW GRILLE MANUFACTURER IS TO MATCH EXISTING GRILLE MANUFACTURER. FIELD MEASURE BEFORE FABRICATION. USE MANUFACTURER APPROVED INSTALLERS.

4 DOORS SHALL NOT TO BE INSTALLED UNTIL ALL NEARBY PAINTING, CLEANING OR DUST GENERATING WORK IS

SECTION 09 21 16 - GYPSUM WALLBOARD ASSEMBLIES CONTINUED...

9 FRAMING

9.1 STUDS AND TRACKS: AS INDICATED IN SECTION 09 22 00.

9.2 METAL FURRING RUNNERS, HANGERS, TIE WIRES, INSERTS, ANCHORS.

9.3 DRYWALL FURRING CHANNELS: 24 GA CORE THICKNESS GALVANIZED STEEL CHANNELS FOR SCREW ATTACHMENT OF GYPSUM BOARD.

9.4 RESILIENT CLIPS: 26 GA BASE STEEL THICKNESS GALVANIZED STEEL FOR RESILIENT ATTACHMENT OF GYPSUM BOARD.

9.5 CEILING GRID SUSPENSION SYSTEM: DIRECT-HUNG SYSTEM COMPOSED OF INTERLOCKING MAIN BEAMS AND CROSS-FURRING MEMBERS, TO ASTM C645.

9.5.1 PROTECTIVE COATING: TO ASTM A653 G40 HOT DIPPED GALVANIZED

9.5.2 CONCRETE ANCHORS: FABRICATED FROM CORROSION-RESISTANT MATERIALS WITH HOLES OR LOOPS FOR ATTACHING WIRE HANGERS AND CAPABLE OF SUSTAINING, WITHOUT FAILURE, A LOAD EQUAL TO 5 TIMES DESIGN LOAD INDICATED IN ASTM C635, TABLE 1, DIRECT HUNG

9.5.3 HANGERS, BRACES AND TIES: STEEL WIRE, GALVANIZED MINIMUM 12 GA OR GREATER AS REQUIRED FOR SUPPORT OF CEILING COMPONENTS.

10 INSULATION: TYPE 1, THICKNESS TO FILL A MINIMUM OF 90% OF THE CAVITY THICKNESS

10.1 MINERAL FIBER INSULATION FOR FIRE AND SMOKE RATED ASSEMBLIES: UN-FACED PREFORMED GREENGUARDTM OR FORMALDEHYDE FREE BINDER FIBROUS INSULATION MEETING THE REQUIREMENTS OF ASTM E84; HAVING MAXIMUM FLAME SPREAD AND SMOKE DEVELOPED OF 20/20 AND BEING NON-COMBUSTIBLE AND IN ACCORDANCE WITH ASTM C665.

10.2 MINERAL FIBER ACOUSTICAL INSULATION FOR NON-RATED ASSEMBLIES: UN-FACED, PREFORMED GREENGUARDTM OR FORMALDEHYDE FREE BINDER FIBROUS INSULATION MEETING THE REQUIREMENTS OF ASTM C665, ASTM C423, ASTM E90 AND ASTM E413.

11 INSTALLATION

11.1 DO APPLICATION AND FINISHING OF GYPSUM BOARD IN ACCORDANCE WITH ASTM C840

11.2 INSTALL ACCESS PANELS TO ELECTRICAL OR MECHANICAL FIXTURES SUPPLIED UNDER RESPECTIVE SECTIONS.

11.3 APPLY BOARD VERTICALLY OR HORIZONTALLY, WHICHEVER RESULTS IN FEWER END JOINTS. LOCATE END JOINTS OVER SUPPORTING MEMBERS. ARRANGE END JOINTS TO OCCUR ON DIFFERENT SIDES ON OPPOSITE SIDES OF A PARTITION. LOCATE VERTICAL LEAST 12" FROM THE JAMB LINES OF OPENINGS. FIXING: SINGLE SCREW, SCREWS AT MAXIMUM 12" O.C. JOINTS: TAPED, FILLED AND SANDED JOINTS.

11.4 INSTALL CEMETITOUS TILE BACKERBOARD IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS. METAL STUDS BEHIND CEMENTITIOUS BACKERBOARD SHALL BE A MINIMUM OF 20 GAUGE. BACKERBOARD SHALL BE ATTACHED TO STUDS USING CORROSION RESISTANT WAFER-HEAD, SELF_TAPPING SCREWS AT 6" TO 8" ALONG STUDS.

11.5 APPLY JOINT COMPOUND IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

11.6 GYPSUM BOARD FINISH: FINISH GYPSUM BOARD WALLS AND CEILINGS TO FOLLOWING LEVELS IN ACCORDANCE WITH ASSOCIATION OF THE WALL AND CEILING INDUSTRIES (AWCI) INTERNATIONAL RECOMMENDED SPECIFICATION ON LEVELS OF GYPSUM BOARD FINISH

11.7 ERECT ACCESSORIES STRAIGHT, PLUMB OR LEVEL, RIGID AND AT PROPER PLANE. USE FULL LENGTH PIECES WHERE PRACTICAL. MAKE JOINTS TIGHT, ACCURATELY ALIGNED AND RIGIDLY SECURED. MITRE AND FIT CORNERS ACCURATELY, FREE FROM ROUGH EDGES. SECURE AT 6" ON CENTRE OR USING CONTACT ADHESIVE FOR FULL LENGTH.

11.7.1 LEVEL 0: NO TAPING, FINISHING OR ACCESSORIES REQUIRED FOR AREAS OF TEMPORARY CONSTRUCTION.

11.7.2 LEVEL 1: EMBED TAPE FOR JOINTS AND INTERIOR ANGLES IN JOINT COMPOUND. SURFACES TO BE FREE OF EXCESS JOINT COMPOUND; TOOL MARKS AND RIDGES ARE ACCEPTABLE AND FOR PLENUM AREAS ABOVE CEILINGS, IN ATTICS OR IN CONCEALED SPACES.

11.7.3 LEVEL 2: EMBED TAPE FOR JOINTS AND INTERIOR ANGLES IN JOINT COMPOUND AND APPLY ONE SEPARATE COAT OF JOINT COMPOUND OVER JOINTS, ANGLES, FASTENER HEADS AND ACCESSORIES; SURFACES FREE OF EXCESS JOINT COMPOUND; TOOL MARKS AND RIDGES ARE ACCEPTABLE AND WHEN GYPSUM IS USED AS A SUBSTRATE FOR TILE.

11.7.4 LEVEL 3: EMBED TAPE FOR JOINTS AND INTERIOR ANGLES IN JOINT COMPOUND AND APPLY TWO SEPARATE COATS OF JOINT COMPOUND OVER JOINTS, ANGLES, FASTENER HEADS AND ACCESSORIES; SURFACES SMOOTH AND FREE OF TOOL MARKS AND RIDGES AND WHERE AREAS ARE TO RECEIVE A HEAVY COATING OF TEXTURED MATERIAL.

11.7.5 LEVEL 4: EMBED TAPE FOR JOINTS AND INTERIOR ANGLES IN JOINT COMPOUND AND APPLY THREE SEPARATE COATS OF JOINT COMPOUND OVER JOINTS, ANGLES, FASTENER HEADS AND ACCESSORIES; SURFACES SMOOTH AND FREE OF TOOL MARKS AND RIDGES AND WHERE LIGHT TEXTURES OR WALL COVERINGS ARE TO BE APPLIED.

11.7.6 LEVEL 5: EMBED TAPE FOR JOINTS AND INTERIOR ANGLES IN JOINT COMPOUND AND APPLY THREE SEPARATE COATS OF JOINT COMPOUND OVER JOINTS, ANGLES, FASTENER HEADS AND ACCESSORIES; APPLY A THIN SKIM COAT OF JOINT COMPOUND TO ENTIRE SURFACE; SURFACES SMOOTH AND FREE OF TOOL MARKS AND RIDGES. USE THIS LEVEL OF FINISH TO MINIMIZE JOINT PHOTOGRAPHING, IN LONG CORRIDORS, AND WHERE SEVERE LIGHTING OCCURS.

12 SUSPENDED GYPSUM BOARD CEILING SUPPORTS:

12.1 HANGERS FOR SUSPENDED WALLBOARD SHALL SUPPORT GRILLAGE INDEPENDENT OF WALLS, COLUMNS, PIPES, DUCTS.

12.2 ERECT PLUMB AND SECURELY ANCHOR TO STRUCTURAL FRAME OR IMBED IN STRUCTURAL SLAB.

12.3 SPACE HANGERS AT 48" MAXIMUM CENTERS ALONG CARRYING CHANNELS AND NOT MORE THAN 6" FROM ENDS. SPACE CARRYING CHANNELS AT MAXIMUM 48" CENTERS AND NOT MORE THAN 6" FROM PERIMETER WALLS.

12.4 AT SPLICES, LAP MEMBERS AT LEAST 12" AND WIRE, TIE EACH END WITH TWO (2) STRANDS OF WIRE.

12.5 RUN CHANNELS TRANSVERSELY TO STRUCTURAL FRAMING MEMBERS. BRACE TO PROVIDE A RIGID FRAME WITH LATERAL REINFORCING.

12.6 ERECT GYPSUM SCREW CHANNELS TRANSVERSELY ACROSS RUNNER CHANNELS AT MAXIMUM 16" CENTERS.

12.7 PROVIDE RUNNER CHANNEL AT EACH SIDE OF STANDARD RECESSED LIGHT FIXTURES, DIFFUSERS OR OTHER OPENINGS AND PROVIDE ADDITIONAL HANGERS AT EACH CORNER.

SECTION 09 22 00 – NON-STRUCTURAL METAL FRAMING

1 DESIGN ASSEMBLIES TO RESIST SAFELY AND EFFECTIVELY ALL LOADS AND EFFECTS OF LOADS IN ACCORDANCE WITH GOVERNING BUILDING CODE FOR EQUIPMENT, FIXTURES, METAL CEILINGS, CABINETS, BACKING PLATES, ANCHORAGES AND SIMILAR ITEMS SUPPORTED ON OR ANCHORED TO STEEL STUD PARTITIONS, INCLUDING WORK SHOWN ON THE DRAWINGS. EQUIPMENT SUPPLIED BY THE LEASHOLDER/TENANT TO THE CONTRACTOR FOR INSTALLATION AND EQUIPMENT SUPPLIED AND INSTALLED BY THE LEASHOLDER/TENANT. OBTAIN INFORMATION REGARDING EQUIPMENT LOADS FROM THE LEASHOLDER/TENANT.

2 MATERIALS

2.1 STEEL STUD, FURRING, AND SUSPENSION MATERIALS: MINIMUM 25% POST-CONSUMER, 50% POST-INDUSTRIAL, 75% TOTAL RECYCLED CONTENT.

2.2 STEEL STUDS TO CONFORM TO ASTM C645, "C" SHAPED, GALVANIZED TO ASTM A924, Z180 COATING, GAUGE: 25, SIZE: AS SHOWN ON THE DRAWINGS.

2.3 HEAVY GAUGE STEEL STUDS TO CONFORM TO ASTM C955, "C" SHAPED, GALVANIZED TO ASTM A924, Z180 COATING, GAUGE: 18, SIZE: AS SHOWN ON THE DRAWINGS.

2.4 MAIN RUNNER CHANNELS: SUSPENDED CEILINGS TO CONFORM TO ASTM C645, COLD FORMED STEEL CHANNELS WITH RUST INHIBITIVE COATING, SIZE: 1.5" X 0.5", GAUGE: 18.

2.5 HANGER RODS AND TIE WIRES _ SUSPENDED CEILINGS: WIRE: 9 GA. GALVANIZED WIRE; RODS: 3/16" DIAMETER ZINC COATED OR CADMIUM PLATED STEEL RODS WITH RUST INHIBITIVE COATING; TIE WIRES: MINIMUM 18 GA., SOFT ANNEALED GALVANIZED WIRE, TWO STRANDS FOR ATTACHING FURRING TO MAIN RUNNERS.

2.6 CURVING TRACKS: COMMERCIAL STEEL SHEET WITH ASTM A653, Z180, HOT DIP GALVANIZED ZINC COATING, COMPLETE WITH FLEXIBLE SLIDING STRAPS TO ALLOW FOR CURVATURE INDICATED ON DRAWINGS

2.7 FASTENINGS TO CONFORM TO ASTM C1002, SELF-DRILLING, SELF-THREADING CASE HARDENED SCREWS WITH BUGLE HEAD (PHILLIPS) TYPE HEAD.

2.8 SHEET METAL BACKING TO ASTM A924, MINIMUM 18 GA., GALVANIZED TO ASTM A653, G90 COATING.

2.9 ACOUSTICAL SEALANT: TO SECTION 07 92 00.

2.10 INSULATING STRIP: RUBBERIZED, MOISTURE RESISTANT 1/8" THICK CORK OR FOAM STRIP, 1/2" WIDE, WITH SELF STICKING ADHESIVE ON ONE FACE, LENGTHS AS REQUIRED.

3 INSTALLATION

3.1 INSTALL STEEL STUDS IN ACCORDANCE WITH ASTM C754.

3.2 INSTALL FLOOR AND CEILING TRACKS ACCORDING TO PARTITION LAYOUT USING SHIELD SCREWS, POWER DRIVEN FASTENERS, OR OTHER SUITABLE FASTENERS AT 24" O.C. MAXIMUM.

3.3 EXTEND STUDS TO UNDERSIDE OF STRUCTURE OVER UNLESS OTHERWISE SCHEDULED. BUILD IN STRUCTURAL DEFLECTION SYSTEM AT TOP.

3.4 FURR IN ALL EXPOSED MECHANICAL PIPING, ELECTRICAL PANEL BOARDS AND COLUMNS AS INDICATED. FURR TO MAINTAIN FIRE OR SOUND RATING INTEGRITY.

3.5 DRYWALL BULKHEADS UNRESTRAINED AT BOTTOM SHALL BE BRACED BACK TO CONSTRUCTION OVER AT 48" O.C.

3.6 INSTALL ALL ATTACHMENTS SUPPLIED BY OTHERS FOR INSTALLATION WITHIN GYPSUM DRYWALL ON STEEL STUD PARTITIONS AND IN CEILINGS FOR FIXTURES BEING HUNG FROM OR ANCHORED TO SUCH PARTITIONS OR CEILINGS.

3.7 INSTALL ACCESS PANELS TO ELECTRICAL OR MECHANICAL FIXTURES SUPPLIED UNDER RESPECTIVE SECTIONS.

4 BLOCKING AND BACKING:

4.1 PROVIDE 18 GA. SHEET METAL BLOCKING AND BACKING IN PARTITIONS FOR ANCHORING AND MOUNTING EQUIPMENT, HARDWARE, WASHROOM ACCESSORIES, CABINETS, FITTINGS AND FIXTURES NOT SUPPLIED WITH BACKING ATTACHMENTS.

4.2 FASTEN EQUIPMENT, FIXTURES AND ANCHORS TO BACKING IN THE PARTITIONS. PROVIDE BACKING FOR LEASHOLDER/TENANT SUPPLIED EQUIPMENT AND ACCESSORIES.

4.3 THE USE OF SOLID WOOD OR PLYWOOD IS SUBJECT TO SPECIFIC ITEMS AND REVIEW BY THE LEASHOLDER/TENANT AND LANDLORD. WOOD SHALL BE FIRE RETARDANT TREATED.

4.4 IN LOCATIONS WHERE SEVERAL PIECES OF EQUIPMENT ARE MOUNTED CLOSE TOGETHER, INSTALL FULL WIDTH OF SHEET METAL BACKING OVER WALL AREA RECEIVING EQUIPMENT.

4.5 REINFORCE AND FRAME ALL OPENINGS IN STEEL STUD PARTITIONS TO ADEQUATELY CARRY LOADS, BY THE USE OF ADDITIONAL FRAMING MEMBERS.

SECTION 09 31 00 – TILING

1 SUBMIT PRODUCT DATA IN ACCORDANCE WITH SECTION 01 33 00 – SUBMITTALS PROCEDURES

2 SUBMIT SAMPLES IN ACCORDANCE WITH SECTION 01 33 00 – SUBMITTALS PROCEDURES :

2.1 PROVIDE THREE (3) SAMPLES OF EACH COLOR, TYPE AND SIZE OF TILE TO THE CONSULTANT FOR REVIEW.

2.2 PROVIDE ONE (1) SAMPLE OF EACH TYPE OF DIVIDER AND TRANSITION STRIP.

2.3 PROVIDE SAMPLES OF GROUT: FURNISH COLOR CHIPS IN THE MANUFACTURER'S FULL RANGE OF COLORS FOR SELECTION OF GROUT COLOR.

3 PROVIDE SHOP DRAWINGS. INDICATE LAYOUT, PATTERN, AND RELATIONSHIP OF PAVING UNITS. INCLUDE LOCATIONS AND DETAILS FOR ALL PROPOSED CONTROL JOINTS. INDICATE JOINTS SURROUNDING PROTRUDING FIXTURES AND PROJECT-FORMED DETAILS.

4 PERFORM WORK IN ACCORDANCE WITH THE CURRENT NTCA MANUAL AND ANSI A108/A118/A136.1.

5 MANUFACTURER QUALIFICATIONS: COMPANY SPECIALIZING IN MANUFACTURING THE PRODUCTS SPECIFIED IN THIS SECTION WITH MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE.

6 INSTALLER QUALIFICATIONS: COMPANY SPECIALIZING IN PERFORMING THE WORK OF THIS SECTION WITH MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE.

7 ARRANGE FOR PRODUCTION AND SHIPMENT OF THE TILE MATERIALS IN SUFFICIENT TIME TO AVOID DELAYS. SUBSTITUTIONS WILL NOT BE CONSIDERED DUE TO LAST MINUTE UNAVAILABILITY OF THE TILE. ANY EXTRA COSTS INCURRED TO ENSURE THE TIMELY DELIVERY OF THE TILE WILL BE AT THE CONTRACTORS EXPENSE.

8 DO NOT INSTALL ADHESIVES IN AN UNVENTILATED ENVIRONMENT. MAINTAIN TEMPERATURES AS SET OUT IN MANUFACTURER'S PRINTED PRODUCT INSTALLATION GUIDE DURING INSTALLATION OF MORTAR AND GROUTING MATERIALS. A VOID CONCENTRATED OR IRREGULAR HEAT DURING DRYING. PROVIDE ADEQUATE VENTILATION. MAINTAIN A MINIMUM 40 FC LIGHTING LEVEL ON WORKING SURFACE DURING WORK.

9 FLOOR LEVEL TOLERANCES: PROVIDE MATERIALS TO ATTAIN FLOOR LEVELNESS TOLERANCES REQUIRED BY THIS SECTION AND AS REQUIRED BY NTCA.

10 PROVIDE A MINIMUM STATIC COEFFICIENT OF FRICTION OF 0.6 IS REQUIRED FOR LEVEL FLOORING AND 0.8 FOR RAMPS AS DETERMINED BY THE TEST METHODS DESCRIBED IN ASTM C1028.

11 MATERIALS

11.1 PORCELAIN TILE TO CONFORM TO ANSI A137.3/A108.19. PORCELAIN TILE: AN IMPERVIOUS TILE WITH WATER ABSORPTION OF 0.5% OR LESS AS MEASURED BY THE ASTM C373 TEST METHOD. PORCELAIN TYPE WITH THROUGH-BODY COLOR.

12 GROUTS AND MORTARS

12.1 PROVIDE TILE GROUT, SETTING MATERIALS, ADDITIVES, AND FACTORY-PREPARED DRY-SET MORTARS FROM THE SAME MANUFACTURER.

12.2 SETTING MATERIALS, SEALANTS AND PRIMERS MUST COMPLY WITH VOC LIMITS PRESCRIBED BY ALL APPLICABLE CODES AND ORDINANCES.

12.3 MANUFACTURER, COLOR, TEXTURE AND SIZE OF TILES: REFER TO INTERIORS FINISHES LIST

12.4 SETTING MATERIALS BY FLEXTILE LTD. SERVE AS THE BASIS OF DESIGN FOR THIS PROJECT. ALTERNATE PRODUCTS BY LATICRETE OR MAPEI WILL BE CONSIDERED. ALL SETTING MATERIALS MUST BE COMPATIBLE WITH WATERPROOFING CRACK SUSPENSION MEMBRANE. FOR GLASS MOSAIC WALL TILE AND LIGHT COLORED NATURAL AND COMPOSITE STONE AND MARBLE - CEMENT COLOR: WHITE.

12.5 BONDING MORTARS: COMMERCIALLY PREPARED, FACTORY-PACKAGED MIXTURES CONFORMING TO THE REFERENCED STANDARDS. PROVIDE PRODUCTS FORMULATED SPECIFICALLY FOR THE SETTING OF TILE.

12.6 LARGE FORMAT PORCELAIN WALL AND FLOOR TILE: PREMIUM POLYMER-MODIFIED SAQ-RESISTANT MORTAR MEETING OR EXCEEDING THE REQUIREMENTS OF ANSI A118.4 AND A118.11: FLEXTILE 56 SR.

12.7 ENGINEERED QUARTZ STONE TILE AND MOSAIC FLOOR TILE: FLEXTILE 51 MORTAR MIXED WITH 44 HIGH SKIDS LATEX ADDITIVE, OR APPROVED ALTERNATIVE BY LATICRETE OR MAPEI. COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

12.8 ENGINEERED QUARTZ STONE TILE: FLEXTILE 500 US POLYMER MODIFIED GROUT FOR GROUTING WITH JOINTS 1/16" TO 1/8". JOINTS TO BE THOROUGHLY COMPACTED AND TOOLED. NO BUTT JOINTS. FLEXTILE 1600 RSG FAST-SETTING POLYMER MODIFIED SANDED GROUT FOR GROUTING WITH JOINTS 1/8" TO 5/8". JOINTS TO BE THOROUGHLY COMPACTED AND TOOLED.

12.9 GROUT FOR WALL TILES: A PREMIUM PORTLAND CEMENT-BASED GROUT CONTAINING GRADED AGGREGATES, COLORFAST PIGMENTS, AND POLYMER ADDITIVES TO ANSI A118.7. ACCEPTABLE PRODUCTS: MAPEI ULTRACOLOR PLUS GROUT OR LATICRETE 1500 SANDED GROUT.

12.10 GROUT FOR FLOOR TILES: A PREMIUM GRADE, WATER CLEANABLE, 100% SOLIDS, HIGH-STRENGTH EPOXY CHEMICAL RESISTANT NON-SAGGING GROUT TO ANSI A118.3. ACCEPTABLE PRODUCT: KERAPOXY BY MAPEI OR APPROVED ALTERNATE BY LATICRETE. NO BUTT JOINTS. JOINTS AT CONCRETE ENGINEERED QUARTZ STONE TILE TO BE THOROUGHLY COMPACTED AND TOOLED.

12.11 COLOR TO MATCH GROUT COLOR ON FINISHES LIST. IF COLOR IN NOT IN MANUFACTURER'S STANDARD RANGE, PROVIDE CUSTOM COLOR TO MATCH SCHEDULED GROUT COLOR.

12.12 MIX AND PROPORTION PRE-MIX SETTING BED AND GROUT MATERIALS IN ACCORDANCE WITH NTCA MANUAL.

13 ACCESSORIES:

13.1 CRACK ISOLATION MEMBRANE: 40 MILS THICK REINFORCED FABRIC REINFORCEMENT LAYER LAMINATED TO A RUBBER SHEET MEMBRANE WITH HIGH TACK PEEL AND STICK BACKING THAT COMPLIES WITH ANSI A118.12; ACCEPTABLE PRODUCT: 1000 FLEXITASTIC CRACK ISOLATION AND SOUND REDUCTION MEMBRANE BY FLEXTILE LTD.

13.2 TRANSITION STRIP AT TILE TO TILE: STAINLESS STEEL PERFORATED GALVANIZED STEEL BOTTOM SECTION/ANCHORS FOR SETTING IN MORTAR BEDS. DEPTH AND PROFILE TO SUIT TILE INSTALLATION AND PROVIDE A CLEAN EDGE. PROVIDE PRODUCT DATA ON PROPOSED TRANSITION STRIPS FOR CONSULTANT REVIEW AND SELECTION. PROVIDE SAMPLES UPON REQUEST BY CONSULTANT. ACCEPTABLE MANUFACTURER: SCHLUTER SYSTEMS.

13.3 FLOOR TRANSITION AT TILE TO RESILIENT FLOORING: AS SCHEDULED ON DRAWINGS.

13.4 WATER: FRESH, CLEAN, POTABLE, FREE FROM DELETERIOUS MATTER, ACIDS OR ALKALIS.

13.5 GROUT AND TILE SEALER: TO ASTM C1315, TYPE AS RECOMMENDED BY TILE AND GROUT MANUFACTURER TO SUIT SURFACE TO BE SEALED AND ENVIRONMENT OF INSTALLATION, LOW VOC. PATCHING AND LEVELING COMPOUND - REFER TO SECTION 03 35 00.

13.6 SEALANT FOR USE IN TILE MOVEMENT JOINTS: SILICONE SEALANT TO ASTM C920. COLOR MATCH TO GROUT. ACCEPTABLE PRODUCT: FLEXTILE ULTRA PERFORMANCE CAULK BY FLEXTILE LTD. REFER TO SECTION 07 92 00 – SEALANTS.

13.7 PATCHING AND LEVELLING COMPOUND: CEMENT BASE, ACRYLIC POLYMER COMPOUND, MANUFACTURED SPECIFICALLY FOR RESURFACING AND LEVELING CONCRETE FLOORS. PRODUCTS CONTAINING GYPSUM ARE NOT ACCEPTABLE

14 PREPARATION

14.1 CONFIRM THAT CONDITIONS OF TEMPERATURE, HUMIDITY, TRAFFIC AND USAGE ARE SUITABLE AS REQUIRED BY INSTALLATION MANUAL SPECIFICATIONS. MINIMUM TEMPERATURE NOT LESS THAN 50 DEGREES FARENHEIT

14.2 CONFIRM THAT SURFACES READY TO RECEIVE TILING ARE CURED, LEVEL AND/OR GRADED, PLUMB, SMOOTH, FIRM, FREE FROM LOOSE PARTICLES, DROPPINGS, PROJECTION, GREASE, SOLVENT, PAINT AND OTHER FOREIGN MATTER AND FROM OTHER UNSUITABLE CONDITIONS.

14.3 ENSURE SERVICE FITTINGS, ROUGH-INS, DRAINS, ARE COMPLETED AND TO THE PROPER LEVEL TO RECEIVE FINISH. REPAIR AND MAKE GOOD ANY DEFECTIVE SURFACES, INCLUDING GRINDING AND FILLING; USING FILLING MATERIALS ACCORDING TO SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURER AND NTCA HANDBOOK.

14.4 REPAIR AND MAKE GOOD ANY DEFECTIVE SURFACES, INCLUDING GRINDING AND FILLING; USING FILLING MATERIALS ACCORDING TO SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURER AND NTCA MANUAL.

14.5 EXAMINE SUBSTRATES BEFORE COMMENCING WORK. REPORT ANY UNSATISFACTORY CONDITIONS. STARTING WORK SHALL IMPLY ACCEPTANCE OF SUBSTRATE SURFACES.

14.6 PREPARE AND PRIME SURFACES AS REQUIRED AND AS RECOMMENDED BY THE MANUFACTURERS OF ADHESIVES AND MORTARS; AS REQUIRED BY JOB CONDITIONS TO ENSURE GOOD, PERMANENT BONDS.

15 INSTALLATION

15.1 INSTALL MATERIALS TO REQUIREMENTS OF TO NTCA MANUAL AND REVIEWED SHOP DRAWINGS. SETTING MATERIALS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

15.2 INSTALL MOVEMENT JOINTS IN LOCATIONS AND IN ACCORDANCE WITH DETAILS AS RECOMMENDED BY NTCA.

15.3 FIT TILE AROUND CORNERS, FITMENTS, FIXTURES, AND OTHER BUILT-IN OBJECTS TO MAINTAIN UNIFORM JOINT APPEARANCE. CUT EDGES SMOOTH, EVEN AND FREE FROM CHIPPING. EDGES RESULTING FROM SPLITTING NOT ACCEPTABLE.

15.4 PROVIDE UNIFORM, PLUMB, AND STRAIGHT JOINTS BETWEEN TILE, EVENLY SPACED WITH ADJACENT TILE FLUSH AND PLANENESS IN ACCORDANCE WITH SURFACE TOLERANCE SPECIFIED.

15.5 INSTALL TILE ON SUBSTRATES AS NOTED ON DRAWINGS AND SPECIFIED HEREIN UTILIZING SPECIFIED SETTING MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.

15.6 LOCATE AND INSTALL CONTROL JOINTS UTILIZING COLOR MATCH SEALANT AT ALL CORNERS AND WHERE RECOMMENDED BY SUBSTRATE AND TILE MANUFACTURERS AND APPROVED BY THE CONSULTANT.

15.7 GROUT TILE USING SPECIFIED GROUT IN STRICT ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS ALL TO GIVE A FLUSH, HARD JOINT. CURE TILING AND GROUT IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.

15.8 USE EXTREME CAUTION IF USING SANDED GROUTS WITH CONCRETE ENGINEERED QUARTZ STONE TILE TO PREVENT SCRATCHING, DULLING OR OTHERWISE DAMAGING THE APPEARANCE OF THE TILE'S SURFACE.

15.9 PROVIDE WATERTIGHT JOINTS BETWEEN TILES WITHOUT VOIDS, CRACKS, EXCESS GROUT. DO NOT GROUT INTERNAL VERTICAL OR HORIZONTAL CORNERS OR WHERE TILE ABUTS DISSIMILAR MATERIAL, PLUMBING FIXTURES, BUILT_IN ITEMS OR SERVICE ROUGH_INS. LEAVE JOINTS OPEN FOR SEALANT AS SPECIFIED.

15.10 APPLY SEALANT TO THE FULL HEIGHT OF VERTICAL INTERIOR CORNERS, FULL LENGTH OF HORIZONTAL INTERIOR CORNERS, AT CONTROL JOINTS AND AT JUNCTION WITH ADJOINING SURFACES/MATERIALS

15.11 APPLY SEALER IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

16 CLEAN TILE IN ACCORDANCE WITH PROCEDURES AND USING MATERIALS LISTED IN THE NTCA REFERENCE MANUAL.

17 PROTECT TILING DURING THE WORKS AND UNTIL COMPLETION OF THE WORK WITH RECOMMENDED METHODS AND MATERIALS.

SECTION 09 51 13 - ACOUSTIC PANEL CEILINGS

1 SUBMITTALS

1.1 SUBMIT SAMPLES OF CEILING PANELS AND SUSPENSION SYSTEMS TO THE CONSULTANT.

1.2 SUBMIT SHOP DRAWINGS: INDICATE GRID LAYOUT AND RELATED DIMENSIONING, JUNCTIONS WITH OTHER WORK OR CEILING FINISHES, INTERRELATION OF MECHANICAL AND ELECTRICAL ITEMS RELATED TO SYSTEM.

2 CONFORM TO CEILINGS AND INTERIOR SYSTEMS CONSTRUCTION ASSOCIATION (CISCA) REQUIREMENTS.

3 CONFORM TO APPLICABLE CODE FOR FIRE RATED ASSEMBLY AND COMBUSTIBILITY REQUIREMENTS FOR MATERIALS.

4 CEILINGS AND INTERIOR SYSTEMS CONSTRUCTION ASSOCIATION

5 DO NOT INSTALL ACOUSTICAL CEILING ASSEMBLY UNTIL BUILDING IS ENCLOSED, DUST GENERATING ACTIVITIES HAVE TERMINATED, ALL OVERHEAD MECHANICAL WORK COMPLETED, TESTED AND APPROVED, AND ALL PAINTING FINISHED.

6 COORDINATE LAYOUT OF GRID FRAMING AND CEILING PANELS WITH MECHANICAL AND ELECTRICAL SERVICES AND FIXTURES.

7 ENSURE SEISMIC RESTRAINT WORK INCLUDING ANCHORING DEVICES ARE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN STATE OF WORK, WHO SHALL CARRY OUT PERIODIC SITE REVIEWS OF THE WORK OF THIS SECTION DURING CONSTRUCTION AND AT COMPLETION, AND SUBMIT REPORTS AND LETTERS OF ASSURANCE IN THE FORMS ESTABLISHED BY INTERNATIONAL BUILDING CODE.

8 PANEL MATERIALS

8.1 ACOUSTIC PANELS: CONFORMING TO ASTM E1264. THE FINISHES LIST ON THE DRAWINGS LISTS SPECIFIC PRODUCTS, PATTERNS, SIZES AND COLORS UPON WHICH FINISHING SCHEMES FOR THE PROJECT HAVE BEEN BASED UPON.

9 SUSPENSION SYSTEM

9.1 MATERIAL - COMMERCIAL QUALITY COLD ROLLED STEEL, GALVANIZED; FINISH - LOW SHEEN BAKED ENAMEL; COLOR - FLAT WHITE UNLESS SCHEDULED OTHERWISE ON DRAWINGS.

9.2 COMPONENT STRENGTH: TO ASTM C635, INTERMEDIATE DUTY, CAPABLE OF SUPPORTING CEILING ASSEMBLY AS SHOWN ON THE DRAWINGS, OR SPECIFIED, WITH A MAXIMUM DEFLECTION OF 1/360TH OF THE SPAN, INCLUDING MECHANICAL AND ELECTRICAL COMPONENTS.

9.3 SUSPENSION SYSTEMS AS SCHEDULED ON THE DRAWINGS. MOLDINGS AND TRIM: AS MANUFACTURED BY SUSPENSION SYSTEM MANUFACTURER AND FINISHED TO MATCH SUSPENSION COMPONENTS. PROVIDE CIRCULAR TRIMS FOR CIRCULAR COLUMNS. FASTENERS: AS RECOMMENDED BY THE MANUFACTURER TO SUIT THE PURPOSE FOR WHICH THEY ARE INTENDED.

10 PREPARATION

10.1 ENSURE ALL DROP BULKHEADS ARE LOCATED AND COMPLETED PRIOR TO INSTALLATION. LAY OUT GRID SYSTEM IN ACCORDANCE WITH CEILING PLANS. OBTAIN ALL DATA AND DIMENSIONS FROM MECHANICAL AND ELECTRICAL TRADES GOVERNING THE EXACT LOCATION AND SUSPENSION OF CEILING FIXTURES AND FITTINGS.

11 INSTALLATION

11.1 INSTALL SUSPENSION SYSTEMS IN ACCORDANCE WITH ASTM C636. THE MANUFACTURER'S DIRECTIONS AND CONFORMING TO REFLECTED CEILING PLAN AS SHOWN ON THE DRAWINGS. IF CEILING SYSTEMS SUBJECT TO SEISMIC LOADING INSTALL SYSTEM IN ACCORDANCE WITH ASTM E580.

11.2 PROVIDE AND INSTALL FRAMING MEMBERS, HANGERS AND FASTENINGS OF ADEQUATE STRENGTH TO SAFELY CARRY ALL LOADS. DO NOT HANG ON MECHANICAL OR ELECTRICAL LINES, DUCTS OR SERVICES.

11.3 MAXIMUM DEFLECTION SHALL BE 1/360TH OF THE SPAN. INSTALL SUPPLEMENTAL HANGERS WHERE THE WEIGHT OF ITEMS SUPPORTED CAUSE DEFLECTION TO EXCEED 1/360.

11.4 INSTALL WALL AND EDGE MOLDINGS WHERE TILE ABUTS WALLS OR OTHER VERTICAL SURFACES. PROVIDE TRIM FRAMES TO SUIT MECHANICAL AND ELECTRICAL FIXTURES AS REQUIRED, COORDINATE WITH MECHANICAL AND ELECTRICAL.

11.5 LOCATE HANGERS FOR CEILING SUPPORTED EQUIPMENT IN ACCORDANCE WITH ASTM C636. EXCEPT WHERE FIXTURES ARE INDEPENDENTLY SUPPORTED, USE POSITIVE FASTENING DEVICES TO FIX FIXTURES TO SUSPENSION SYSTEM.

11.6 INSTALL CEILING PANELS IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND APPROVED MOCKUPS. ENSURE ALL MECHANICAL, ELECTRICAL WORK AND FINISHED PAINTING HAVE BEEN COMPLETED BEFORE INSTALLING PANELS. NEATLY CUT AND FIT CEILING PANELS TO SUSPENSION SYSTEM. NEATLY MAKE ALL CUTOUTS IN PANELS AS REQUIRED FOR FIXTURES. FACTORY CUT LARGE OPENINGS. WHERE REVEAL EDGE PANELS ARE CUT, ROUT EDGES TO PROVIDE A CONSISTENT SHADOW LINE EDGE ON ALL SIDES.

12 REPLACE ANY DEFECTIVE OR MARKED PANELS, TILES, OR SUSPENSION SYSTEM UPON COMPLETION OF THE WORK, CLEAN CEILING PANELS, AND SUSPENSION SYSTEMS.

SECTION 09 72 16 – VINYL WALL COVERING

1 SUBMITTALS

1.1 SUBMIT PRODUCT DATA. IN ACCORDANCE WITH SECTION 01 33 00 – SUBMITAL PROCEDURES. SUBMIT PRODUCT DATA FOR EACH PRODUCT SPECIFIED, INDICATE PHYSICAL CHARACTERISTICS, DURABILITY, FADE RESISTANCE AND FLAME RESISTANCE CHARACTERISTICS, AND REQUIRED SURFACE PREPARATION MATERIALS.

1.2 SUBMIT 8" X 10" MINIMUM SAMPLES OF WALL FABRIC TO THE CONSULTANT FOR FINAL APPROVAL PRIOR TO ORDERING. LABEL SAMPLES WITH MANUFACTURER'S NAME, QUALITY, COLOR, TEXTURE AND WEIGHT.

1.3 PROVIDE EXTRA MATERIALS OF VINYL COATED FABRIC WAL

STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS PROGRAM

GENERAL:

THIS STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS PLAN IDENTIFIES THE RESPONSIBILITIES OF THE CONTRACTOR AND THE SPECIAL INSPECTOR IN PERFORMING THE STRUCTURAL TESTING AND INSPECTION OF THE WORK REQUIRED BY CHAPTER 17 OF THE BUILDING CODE THAT IS WITHIN THE SCOPE OF THE STRUCTURAL ENGINEERING SERVICES FOR THIS PROJECT. REFER TO OTHER PORTIONS OF THE CONSTRUCTION DOCUMENTS FOR TESTING AND INSPECTIONS REQUIRED OF ARCHITECTURAL, MECHANICAL, ELECTRICAL, OR OTHER BUILDING COMPONENTS.

CONTRACTOR RESPONSIBILITIES:

THE CONTRACTOR SHALL SUBMIT TO THE BUILDING OFFICIAL AND THE ARCHITECT A WRITTEN STATEMENT OF RESPONSIBILITY THAT CONTAINS THE FOLLOWING:

1. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED WITHIN THIS STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS.
2. ACKNOWLEDGEMENT THAT CONTROL SHALL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING, AND THE DISTRIBUTION OF REPORTS.
4. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

THE STRUCTURAL TESTING/INSPECTION AGENCY THAT IS TO ACT AS THE SPECIAL INSPECTOR WILL BE HIRED BY THE OWNER, BUT CONTRACTOR SHALL PAY FOR ANY ADDITIONAL STRUCTURAL TESTING/INSPECTION REQUIRED FOR WORK OR MATERIALS NOT COMPLYING WITH THE CONSTRUCTION DOCUMENTS DUE TO NEGLIGENCE OR NONCONFORMANCE AND SHALL PAY FOR ANY ADDITIONAL STRUCTURAL TESTING/INSPECTION REQUIRED FOR HIS CONVENIENCE.

CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE SPECIAL INSPECTOR IS PRESENT FOR ALL WORK REQUIRING SPECIAL INSPECTION. ANY WORK THAT REQUIRES SPECIAL INSPECTION AND IS PERFORMED WITHOUT THE SPECIAL INSPECTOR BEING PRESENT IS SUBJECT TO BEING DEMOLISHED AND RECONSTRUCTED.

CONTRACTOR HAS THE FOLLOWING RESPONSIBILITIES TO THE SPECIAL INSPECTOR:

1. PROVIDE COPY OF CONSTRUCTION DOCUMENTS TO THE SPECIAL INSPECTOR.
2. NOTIFY THE SPECIAL INSPECTOR SUFFICIENTLY IN ADVANCE OF OPERATIONS TO ALLOW ASSIGNMENT OF PERSONNEL AND SCHEDULING OF TESTS.
3. COOPERATE WITH SPECIAL INSPECTOR AND PROVIDE ACCESS TO WORK.
4. PROVIDE SAMPLES OF MATERIALS TO BE TESTED IN REQUIRED QUANTITIES.
5. PROVIDE STORAGE SPACE FOR THE SPECIAL INSPECTOR'S EXCLUSIVE USE, SUCH AS FOR STORING AND CURING CONCRETE TESTING SAMPLES.
6. PROVIDE LABOR TO ASSIST THE SPECIAL INSPECTOR IN PERFORMING TESTS/INSPECTIONS.

SPECIAL INSPECTOR'S RESPONSIBILITIES:

SPECIAL INSPECTORS SHALL BE A LICENSED ENGINEER IN THE STATE OF FLORIDA OR IS PERFORMING APPROPRIATE DUTIES DIRECTLY UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA AND HAS A THOROUGH UNDERSTANDING OF THE SPECIAL INSPECTION REQUIREMENTS OF THE 2012 IBC.
THE SPECIAL INSPECTOR SHALL BE AN INDIVIDUAL OR INDIVIDUALS CERTIFIED OR EXPERIENCED TO PERFORM SUCH INSPECTIONS IN A PARTICULAR FIELD.
THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL INSPECTIONS AND FURNISH REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. PERIODIC REPORTS SHALL BE PROVIDED AND SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED TO THE SATISFACTION OF THE SPECIAL INSPECTOR, THE DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

A WEEKLY REPORT OF INSPECTIONS DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED. AT THE COMPLETION OF THE SPECIAL INSPECTIONS, THE LICENSED PROFESSIONAL ENGINEER IN CHARGE OF PERFORMING THE SPECIAL INSPECTION SHALL CERTIFY THE FINAL SPECIAL INSPECTION REPORT AND AFFIX HIS/HER SEAL TO THE SPECIAL INSPECTOR'S FINAL REPORT. PROVIDE THREE (3) COPIES OF THIS REPORT; TWO TO THE ARCHITECT AND ONE TO THE STRUCTURAL ENGINEER OF RECORD.

CCHE SPECIAL INSPECTOR FOR THIS PROJECT IS AS FOLLOWS:

STRUCTURAL STEEL:

CONTRACTOR SHALL PERFORM THE FOLLOWING:

1. SUBMIT CERTIFICATION THAT THE FABRICATOR IS REGISTERED AND APPROVED BY THE BUILDING OFFICIAL TO PERFORM REQUIRED WORK WITHOUT SPECIAL INSPECTIONS.
2. IF FABRICATOR IS NOT REGISTERED AND APPROVED, SPECIAL INSPECTION OF THE FABRICATED ITEMS SHALL BE REQUIRED. SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK.
3. SUBMIT CERTIFIED MILL TEST REPORTS FOR STRUCTURAL STEEL.
4. SUBMIT MANUFACTURER'S CERTIFICATE OF COMPLIANCE FOR HIGH-STRENGTH BOLTING AND WELD FILLER MATERIALS.

SPECIAL INSPECTOR SHALL PERFORM THE FOLLOWING:

1. INSPECTION OF STEEL FRAMING TO VERIFY COMPLIANCE WITH DETAILS SHOWN ON THE APPROVED CONSTRUCTION DOCUMENTS AND SHOP DRAWINGS INCLUDING MEMBER LOCATIONS, BRACING, CONNECTION DETAILS, ETC.
2. PROVIDE CONTINUOUS INSPECTION TO VERIFY COMPLIANCE OF THE FOLLOWING:
   A. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS. ULTRASONICALLY INSPECT 100% OF THE COMPLETE PENETRATION WELDS.
   B. MULTI-PASS FILLET WELDS AND SINGLE-PASS FILLET WELDS GREATER THAN 5/16".
   C. SLIP CRITICAL BOLTED CONNECTIONS.
3. PROVIDE PERIODIC INSPECTION TO VERIFY COMPLIANCE OF THE FOLLOWING:
   A. MATERIAL VERIFICATION OF ALL BOLTS, NUTS, WASHERS, AND THREADED RODS.
   B. MATERIAL VERIFICATION OF WELD FILLER MATERIAL.
   C. VERIFICATION OF ANCHOR ROD SIZE, CONFIGURATION, AND EMBEDMENT PRIOR TO PLACEMENT OF CONCRETE.
   D. VISUALLY INSPECT ALL BOLTED CONNECTIONS IN ACCORDANCE WITH AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS. PRIOR TO VISUAL AND PHYSICAL TESTING, TENSION TESTING USING A CALIBRATION DEVICE (SKIDMORE-WILHELM) MUST INDICATE TENSIONS AT LEAST 5% IN EXCESS OF THE AISC MINIMUM. STRUCTURAL STEEL ERECTOR SHALL SUPPLY THE TENSION CALIBRATION DEVICE. TEST A MINIMUM OF 10% OF THE BOLTED CONNECTIONS.
   E. VISUALLY INSPECT ALL FIELD-WELDED CONNECTIONS. VISUAL INSPECTION OF WELDED JOINTS INCLUDES PERIODIC EXAMINATION OF
4. WELD INSPECTIONS TO INCLUDE THE FOLLOWING:
   A. WELD INSPECTIONS SHALL BE IN ACCORDANCE WITH AWS D1.1.
   B. REVIEW AND VERIFY COMPLIANCE OF WRITTEN WELDING PROCEDURES WITH AWS REQUIREMENTS.
   C. VERIFY THAT WELDING PROCEDURES ARE BEING ADHERED TO DURING FIELD WELDING.
   D. VERIFY WELDER QUALIFICATIONS.
   E. USE ALL MEANS NECESSARY TO DETERMINE THE QUALITY OF WELDS. THE INSPECTOR MAY USE GAMMA RAY, MAGNAFLUX, TREPANNING, SONICS OR ANY OTHER AID TO VISUAL INSPECTION THAT THE SPECIAL INSPECTOR MAY DEEM NECESSARY TO BE ASSURED OF THE ADEQUACY OF THE WELDING.
   F. KEEP A SYSTEMATIC RECORD OF ALL WELDS THAT INCLUDES, IN ADDITION TO OTHER REQUIRED RECORDS, THE IDENTIFICATION MARKS OF WELDERS, A LIST OF DEFECTIVE WELDS, AND THE MANNER OF CORRECTING DEFECTS.

POST-INSTALLED ANCHORS:

CONTRACTOR SHALL PERFORM THE FOLLOWING:

1. SUBMIT TECHNICAL DATA SHOWING COMPLIANCE WITH CONTRACT DOCUMENTS FOR MECHANICAL AND ADHESIVE ANCHORS, INCLUDING INSTALLATION INSTRUCTIONS.
2. SUBMIT TECHNICAL DATA FOR ADHESIVES USED TO ADHERE ANCHORS. DATA SHALL INCLUDE INSTRUCTIONS FOR PROPER USE AND APPLICATION, INCLUDING HOLE PREPARATION.

SPECIAL INSPECTOR SHALL PERFORM THE FOLLOWING:

1. INSPECT AND CONFIRM ANCHORS AND ADHESIVES ARE THOSE APPROVED FOR USE.
2. ALL HOES ARE PROPERLY DRILLED (DIAMETER, DEPTHS, AND QUANTITIES).
3. ANCHORS ARE PROPERLY INSTALLED, INCLUDING CORRECT AMOUNTS OF ADHESIVES IN HOLES.

STRUCTURAL GENERAL NOTES

DESIGN AND CODE INFORMATION

1. ALL CONSTRUCTION SHALL CONFORM TO THE FLORIDA BUILDING CODE 8TH EDITION, 2023.
2. VERIFY EXISTING CONDITIONS AND ALL DIMENSIONS AND NOTIFY ARCHITECT OF ANY CONDITIONS WHICH CONFLICT WITH OTHER PLANS AND SPECIFICATIONS. STRUCTURAL DRAWINGS MUST BE COORDINATED WITH ARCHITECTURAL DRAWINGS. STRUCTURAL DRAWINGS ARE NOT INTENDED FOR BUILDING LAYOUT.
3. SHOP DRAWINGS WILL NOT BE REVIEWED BY THE DESIGNER UNTIL AFTER THE GENERAL CONTRACTOR HAS THOROUGHLY REVIEWED THE SHOP DRAWINGS, VERIFIED EXISTING CONDITIONS, AND COORDINATED THE SHOP DRAWINGS WITH OTHER AFFECTED TRADES.
4. THE DESIGN ADEQUACY OF TEMPORARY BRACING AND SHORING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. DO NOT SCALE STRUCTURAL DRAWINGS, AND FOR LOCATION OF MISCELLANEOUS ITEMS (OPENINGS, BENT PLATES, INSERTS, ETC.) AFFECTING STRUCTURAL WORK, SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND MEDICAL EQUIPMENT DRAWINGS.
6. LIVE LOADS:
   CANOPY/SOFFITS: 10PSF
7. ROOF LOADS:
   LIVE LOADS: 20 PSF (REDUCIBLE)
   SNOW LOADS: 0 PSF
8. SEISMIC LOADS: N/A

SPECIAL INSPECTIONS AND TESTING

1. THE OWNER SHALL EMPLOY AN INDEPENDENT TESTING COMPANY TO PERFORM THE FOLLOWING ON SITE INSPECTIONS AND TESTING:

   POST-INSTALLED ANCHORS

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE AISC "MANUAL OF STEEL CONSTRUCTION FIFTEENTH EDITION.
2. STRUCTURAL STEEL ROLLED SHAPES SHALL BE ASTM A-992 GRADE 50 UNLESS NOTED OTHERWISE. STRUCTURAL STEEL PLATES AND ANGLES SHALL BE ASTM A-36.
3. STRUCTURAL PIPE COLUMNS SHALL BE ASTM A-53, TYPE E OR S, GRADE B. STRUCTURAL TUBES SHALL BE ASTM A500, GRADE B.

POST-INSTALLED ANCHORS

1. UNLESS NOTED OTHERWISE, POST-INSTALLED CONCRETE ANCHORS SHALL COMPLY WITH ICC-ES ACCEPTANCE CRITERIA FOR ANCHORS IN CRACKED CONCRETE.
2. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS UNLESS APPROVED OTHERWISE BY THE ENGINEER.
3. PLACE POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR AND EMBEDS.
4. DRILL AND PREPARE HOLES AND INSTALL ANCHORS IN ACCORDANCE WITH EVALUATION REPORTS.
5. POST-INSTALLED ANCHORS SHALL BE INSPECTED BY A QUALIFIED SPECIAL INSPECTOR IN ACCORDANCE WITH THE PROJECT STATEMENT OF SPECIAL INSPECTION AND THE ICC-ES REPORT.

   UNLESS OTHERWISE NOTED IN THE ICC-ES REPORT, THE SPECIAL INSPECTOR SHALL INSPECT THE INITIAL INSTALLATION OF EACH TYPE OF ANCHOR AND PERIODICALLY INSPECT INSTALLATION THEREAFTER.
6. MECHANICAL ANCHORS FOR USE IN CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED IN ACCORDANCE WITH ACI 355.2 AND ICC-ES193. ACCEPTABLE MECHANICAL ANCHORS FOR USE IN CONCRETE INCLUDE THE FOLLOWING:

   HILTI KWIK BOLT TZ2 (ICC-ES ESR 1917)
   HILTI KWII HUS-EZ (ICC-ES ESR 3027)
   SIMPSON STRONG-TIE STRONG-BOLT 2 (ICC-ES ESR 3037)
   SIMPSON STRONG-TIE TITEN-HD (ICC-ES ESR-2713)
   DEWALT POWER – STUD + SP2 (ICC ESR-2713)
   DEWALT SCREW-BOLT + (ICC ESR-3889)
7. ADHESIVE ANCHORS, INCLUDING REBAR, FOR USE IN CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308. ADHESIVE ANCHOR SHALL BE INSTALLED INTO DRY HOLES DRILLED USING A CARBIDE DRILL BIT THAT HAS CURED FOR AT LEAST 21 DAYS. ACCEPTABLE ADHESIVE ANCHORS FOR USE IN CONCRETE INCLUDE THE FOLLOWING:

   HILTI HIT RE 500 V3 (ICC-ESR 3814)
   HILTI HIT-HY 200 ANCHOR RODS AND REINFORCING BAR (ICC-ES ESR 3187)
   SIMPSON STRONG-TIE SET-XP (ICC-ES ESR 2508)
   DEWALT PURE 110 + (ICC ESR-3298)

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24147_RCA22

Stantec

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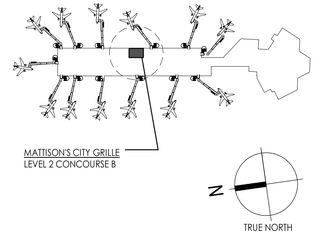
Notes



Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	EMC	EMC	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	EMC	EMC	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	EMC	EMC	2024.06.24
Issued	By	Appd	YYYY.MM.DD

File Name: N/A

Dwn. Dsgn. Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDRÈRE TRAVEL RETAIL

Mattison's City Grille

SPACE# B-FB6 / B-S9
Sarasota Bradenton International Airport, FL, USA

Title

GENERAL NOTES

Project No.

Scale
1" = 1'-0"

Revision

Drawing No.
S001

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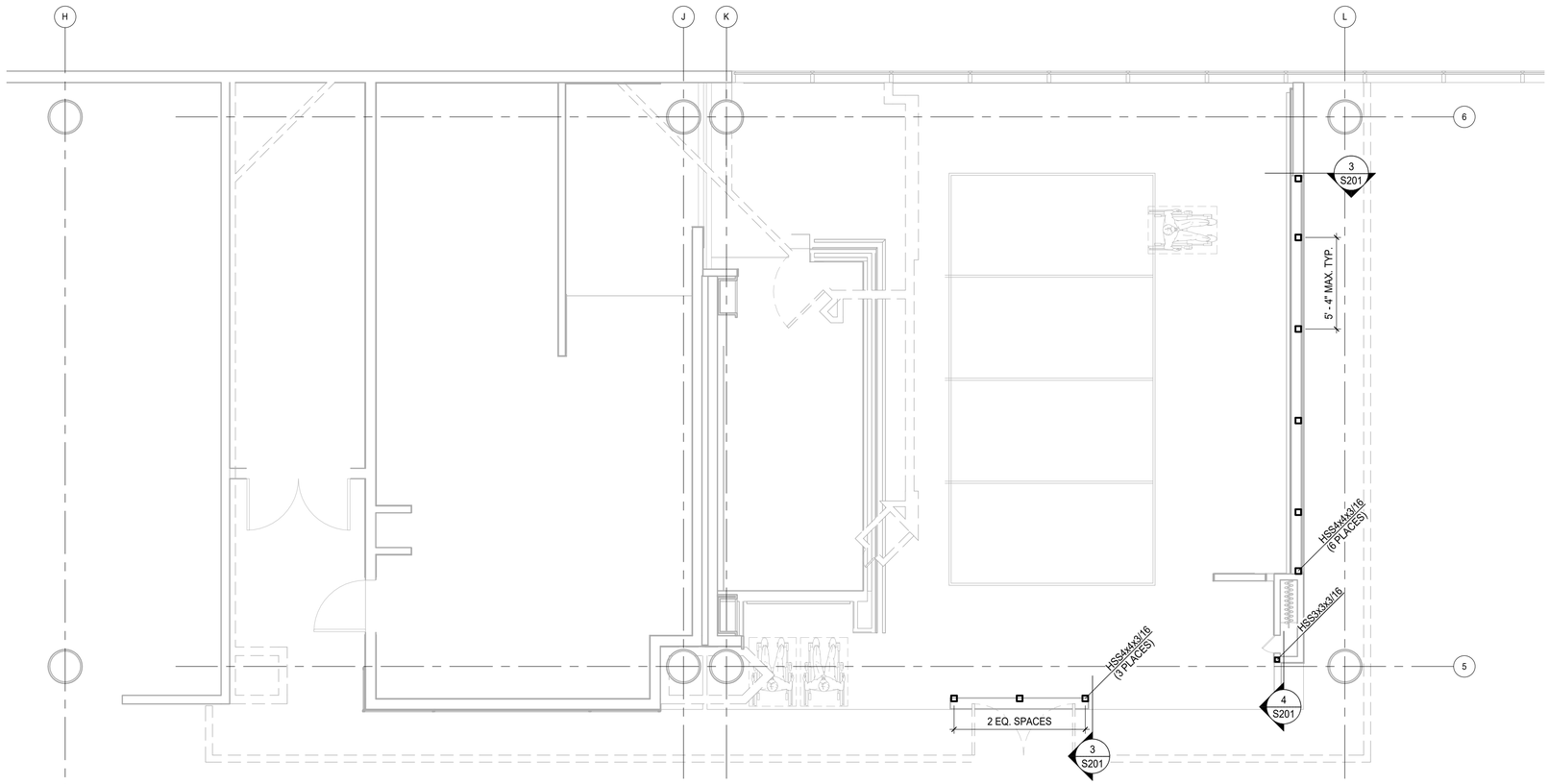
ORIGINAL SHEET - ARCH D



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SECOND FLOOR - EL= 39'-8 3/8"

SCALE: 1/4" = 1'-0"

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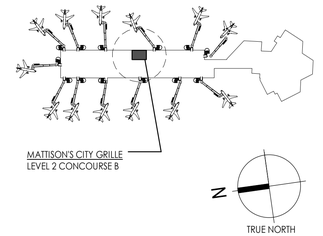
Notes



Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	EMC	EMC	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	EMC	EMC	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	EMC	EMC	2024.06.24
Issued	By	Appd	YYYY.MM.DD

File Name: N/A — Dwn. — Dsgn. — Chkd. — YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL

Mattison's City Grille

Client/Project

PARADIES LAGARDRÈRE TRAVEL RETAIL

Mattison's City Grille

SPACE# B-FB6 / B-S9
Sarasota Bradenton International Airport, FL, USA

Title

SECOND FLOOR PLAN

Project No.
24147_RCA22

Scale
1/4" = 1'-0"

Revision

Drawing No.
S101

EMC STRUCTURAL ENGINEERS, P.C.
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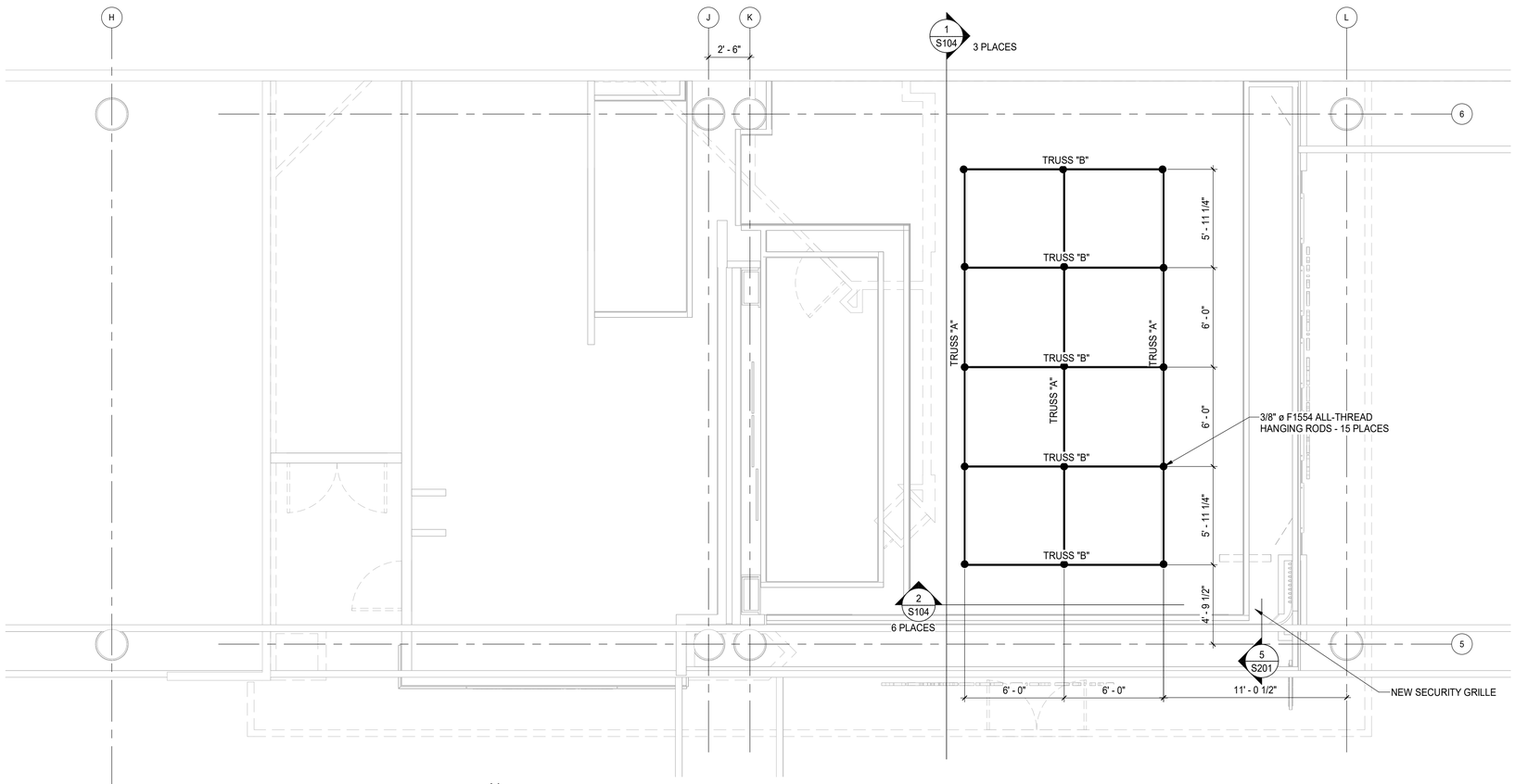

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SUSPENDED FRAME PLAN - EL= +112'-0"

SCALE: 1/4" = 1'-0"

NOTES:

1) CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS & ELEVATIONS PRIOR TO START OF CONSTRUCTION.

Architect

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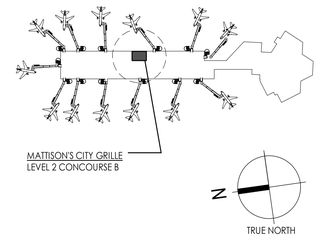
Notes



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ISSUED FOR CONSTRUCTION	EMC	EMC	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	EMC	EMC	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	EMC	EMC	2024.06.24

Issued	By	Appd	YYYY.MM.DD

File Name: N/A

Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project

PARADIES LAGARDRÈRE TRAVEL RETAIL

Mattison's City Grille

SPACE# B-FB6 / B-S9
Sarasota Bradenton International Airport, FL, USA

Title

SUSPENDED FRAME PLAN

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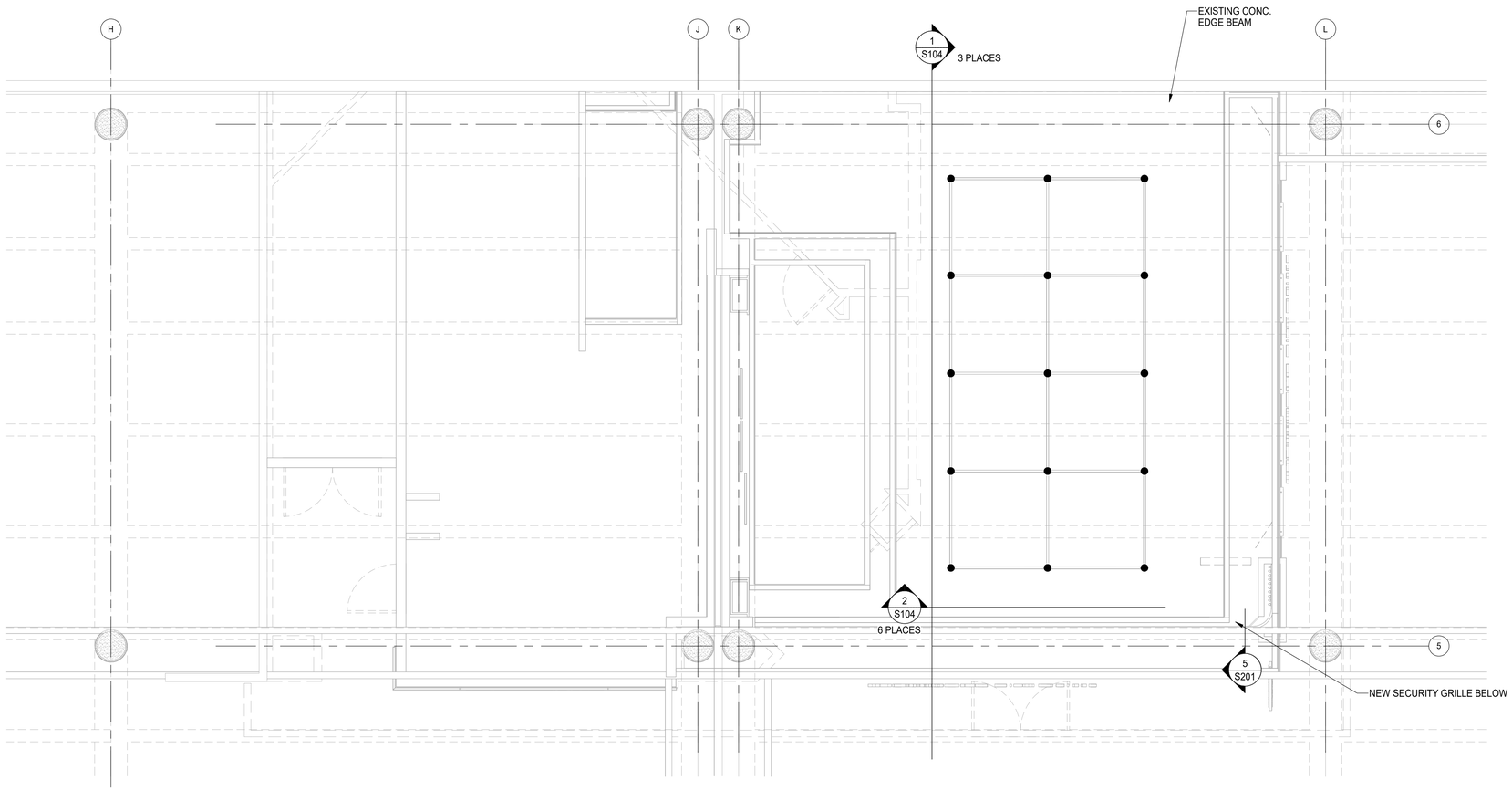
24147_RCA22

Project No.

Scale
1/4" = 1'-0"

Revision

Drawing No.
S102



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SUSPENDED FRAME ANCHORAGE PLAN @ ROOF

SCALE: 1/4" = 1'-0"

Architect

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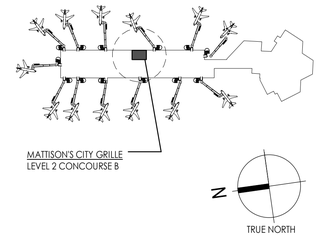
Notes



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Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project

PARADIES LAGARDRÈRE TRAVEL RETAIL

Mattison's City Grille

SPACE# B-FB6 / B-S9
Sarasota Bradenton International Airport, FL, USA

Title

SUSPENDED FRAME ANCHORAGE PLAN @ ROOF

Project No.	Scale
	1/4" = 1'-0"
Revision	Drawing No.
	S103

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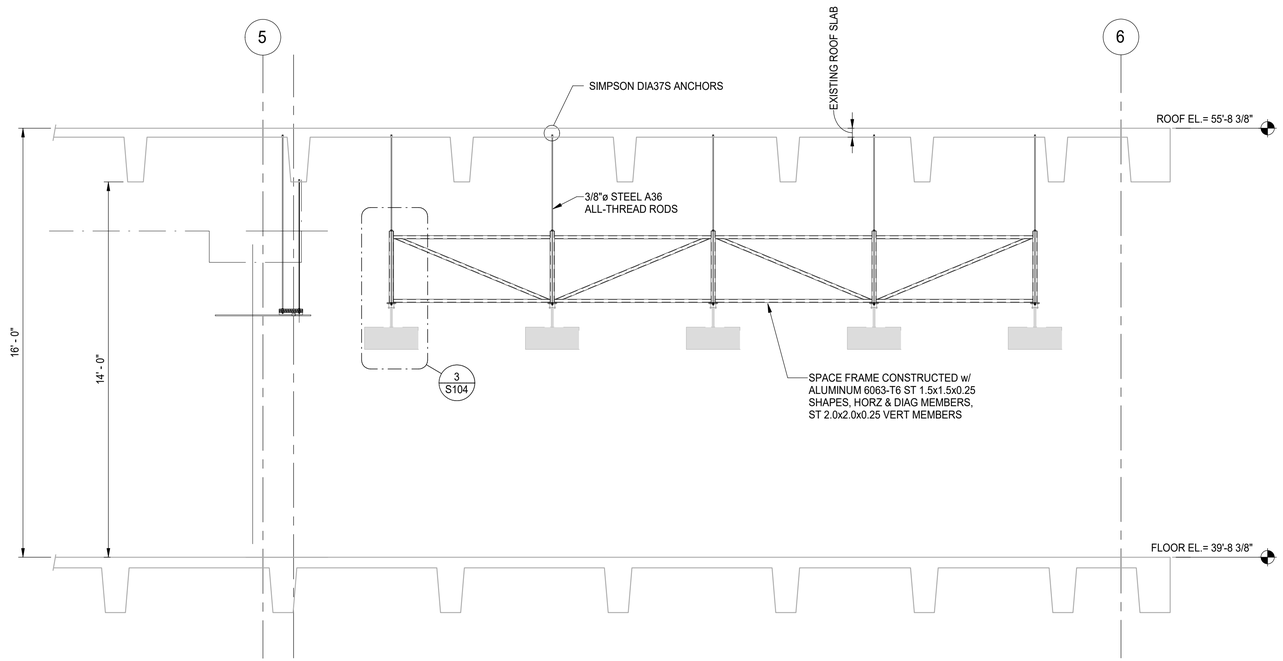
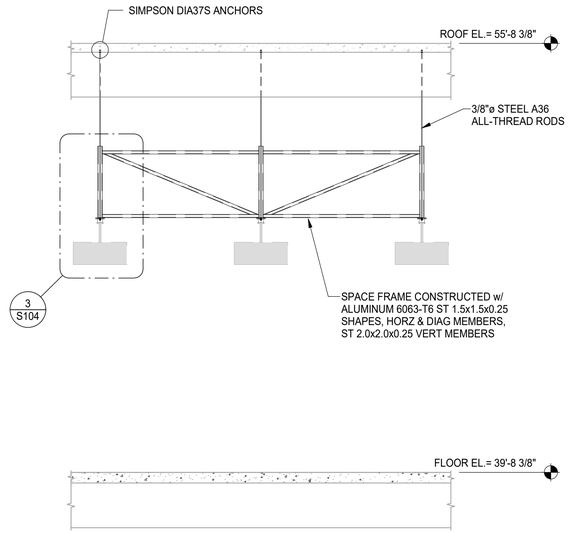
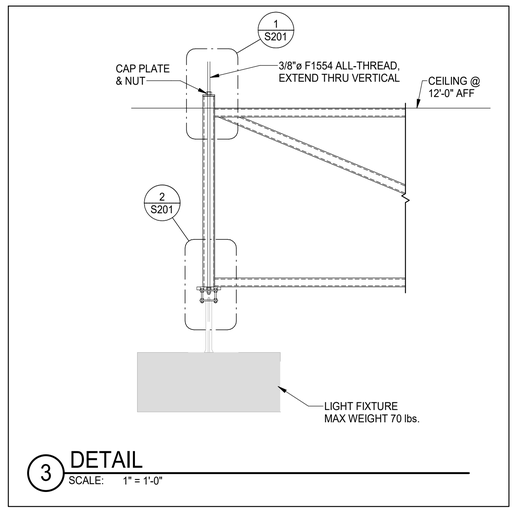
24147_RCA22



1 TRUSS "A"
SCALE: 3/8" = 1'-0"



2 TRUSS "B"
SCALE: 3/8" = 1'-0"

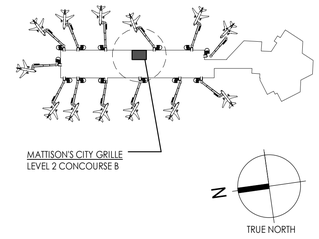


3 DETAIL
SCALE: 1" = 1'-0"

Stantec

Architect
BLU ARC DESIGN
Blu Arc Design
1616 Westgate Circle, Suite 201
Brentwood, TN 37027
tel: (615) 227-7209

Notes



Revision	By	Appd	YYYY.MM.DD
ISSUED FOR CONSTRUCTION	EMC	EMC	2025.01.15
ISSUED FOR 100% / BUILDING PERMIT	EMC	EMC	2024.08.05
ISSUED FOR 90% AIRPORT REVIEW	EMC	EMC	2024.06.24

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo
Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project
PARADIES LAGARDRÈRE TRAVEL RETAIL

Mattison's City Grille

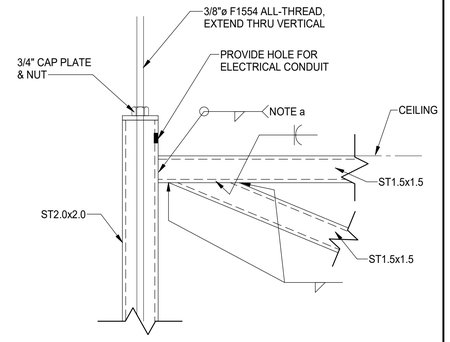
SPACE# B-FB6 / B-S9
Sarasota Bradenton International Airport, FL, USA

Title
TRUSS ELEVATION

EMC STRUCTURAL ENGINEERS, P.C.
501 Graemere Park
Suite 1
Nashville, Tennessee 37211
(615) 834-1696
www.emcnashville.com

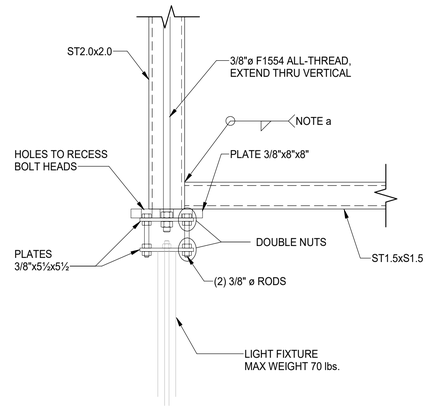
24147_RCA22

Project No.	Scale
	As indicated
Revision	Drawing No.
	S104



NOTE a: CAN BE FIELD WELDED IF REQ'D FOR FIELD ASSEMBLY

1 SECTION
SCALE: 3" = 1'-0"



NOTE a: CAN BE FIELD WELDED IF REQ'D FOR FIELD ASSEMBLY

2 SECTION
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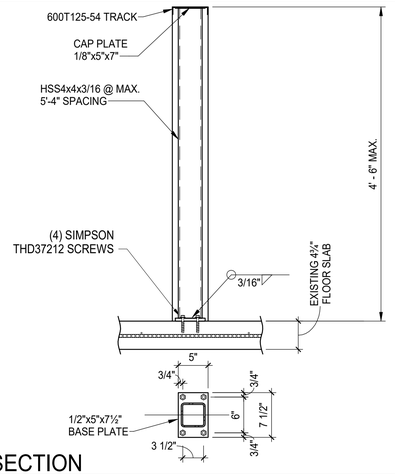

3 SECTION
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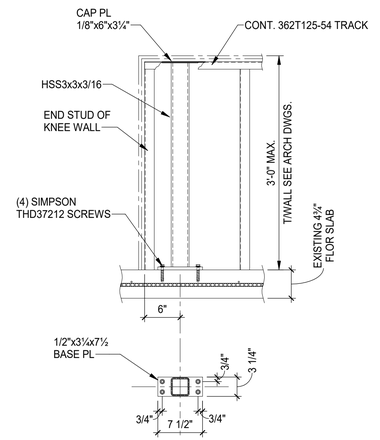
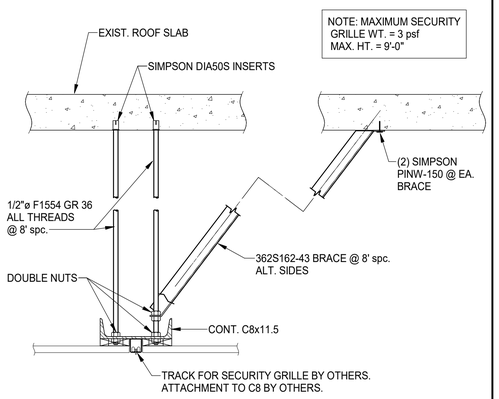


4 SECTION
SCALE: 1" = 1'-0"



5 DETAIL - SECURITY GRILLE SUPPORT
SCALE: 1 1/2" = 1'-0"

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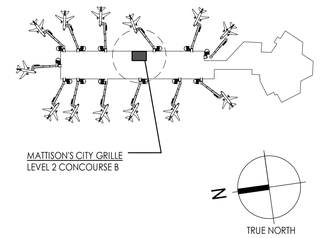
Notes



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ISSUED FOR 90% AIRPORT REVIEW	EMC	EMC	2024.06.24
Issued	By	Appd	YYYY.MM.DD

File Name: N/A — Dwn. — Dsgn. — Chkd. — YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project
PARADIES LAGARDRÈRE TRAVEL RETAIL

Mattison's City Grille

SPACE# B-FB6 / B-S9
Sarasota Bradenton International Airport, FL, USA

Title
SECTIONS AND DETAILS

Project No. 24147_RCA22

Scale
As indicated

Revision

Drawing No.
S201

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STANDARD HVAC ABBREVIATIONS

AAV	AUTOMATIC AIR VENT
ACCESS	ACCESSORIES
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AMP	AMPERE
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
ARI	AIR CONDITIONING AND REFRIGERATION INSTITUTE
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
BAS	BUILDING AUTOMATION SYSTEM
BD	BACKDRAFT DAMPER
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CD	CEILING DIFFUSER
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CI	CAST IRON
CLG	COOLING
CO	CARBON MONOXIDE
CO2	CARBON DIOXODE
COP	COEFFICIENT OF PERFORMANCE
CV	CONSTANT VOLUME
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
DB	DECIBELS
DB	DRY-BULB TEMPERATURE
DC	DISCONNECT
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE DELTA(CHANGE IN TEMPERATURE)
DIA	DIAMETER
DIW	DEIONIZED WATER
DP	DEW POINT TEMPERATURE
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EG	EXHAUST GRILLE
EMERG	EMERGENCY POWER
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EX.	EXISTING
F	FAHRENHEIT
F&T	FLOAT AND THERMOSTATIC
FA	FREE AREA
FD	FIRE DAMPER
FLA	FULL LOAD AMPERES
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET
FURN	FURNISHED
GA	GAUGE
GAL	GALLONS
GPM	GALLONS PER MINUTE
HD	HEAD
HOA	HAND/OFF/AUTOMATIC
HP	HORSEPOWER
HPR	HIGH PRESSURE RETURN (STEAM CONDENSATE)
HSTAT	HUMIDISTAT
HTG	HEATING
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
HZ	HERTZ
I/O	INPUT/OUTPUT
IAQ	INDOOR AIR QUALITY
IN HG	INCHES OF MERCURY
IN WC	INCH WATER COLUMN
IN WG	INCH WATER GAUGE
IPLV	INTERGRATED PART LOAD VALUE
INST	INSTALLED
KW	KILOWATT
KWH	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LBS/HR	POUNDS PER HOUR
LF	LINEAR FOOT (FEET)
LPR	LOW PRESSURE RETURN (STEAM CONDENSATE)
LPS	LOW PRESSURE STEAM
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	1000 BTUH
MCA	MINIMUM BRANCH CIRCUIT AMPACITY
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MIN	MINIMUM
MOD	MOTOR OPERATED DAMPER
MPR	MEDIUM PRESSURE RETURN (STEAM CONDENSATE)
MPS	MEDIUM PRESSURE STEAM
MRI	MAGNETIC RESONANCE IMAGING
MVD	MANUAL VOLUME DAMPER
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OCP	OVER CURRENT PROTECTION
PD	PRESSURE DROP
PPM	PARTS PER MILLION
PRS	PRESSURE REGULATING (VALVE) STATION
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH – ABSOLUTE
PSIG	POUNDS PER SQUARE INCH – GAGE
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID LINE
RLA	RUN LOAD AMPERE
RO	REVERSE OSMOSIS
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SC	SHADING COEFFICIENT
SCD	SMOKE CONTROL DAMPER
SD	SMOKE DETECTOR
SENS	SENSIBLE HEAT
SP	STATIC PRESSURE
TAB	TESTING, ADJUSTING, BALANCE
TDH	TOTAL DYNAMIC HEAD
TDS	TOTAL DISSOLVED SOLIDS
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
UL	UNDERWRITERS LABORATORY
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
WB	WET-BULB (TEMPERATURE)
WG	WATER GAGE
WPD	WATER SIDE PRESSURE DROP
WIRE	WIRED

FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

COOLING WATER SYSTEM DESIGN CRITERIA

THE TENANT HVAC SYSTEMS HAVE BEEN SIZED FOR A 46° ENTERING WATER TEMPERATURE WITH A 10° DELTA T. CONTRACTOR SHALL FIELD VERIFY THE WATER TEMPERATURES, DELTA T, AND GPM FOR THE SPACE. CONTRACTOR TO VERIFY THAT THE EXISTING LANDLORD CHILLED WATER SYSTEM IS CAPABLE OF PROVIDING THE DESIRED AMOUNT OF COOLING TO THE LEASE SPACE. THIS WORK SHALL BE COMPLETED PRIOR TO PURCHASING ANY HVAC EQUIPMENT. CONTACT THE ENGINEER OF RECORD IF FIELD CONDITIONS DIFFER OR THE SYSTEM IS NOT CAPABLE OF MEETING THE DESIGN REQUIREMENTS.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
PLAN-VIEW LINE TYPES	
	WORK SHOWN FADED INDICATES EXISTING WORK TO REMAIN OR NEW WORK BY OTHERS AS APPLICABLE
	WORK SHOWN BOLD-CONTINUOUS INDICATES NEW WORK
PIPING LINE TYPES	
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CD	CONDENSATE DRAIN
	SUPPLY MAIN OR BRANCH
	RETURN MAIN OR BRANCH
MECHANICAL PIPING ACCESSORIES	
	MANUAL ISOLATION VALVE
MECHANICAL STATS & SENSORS	
TS	TEMPERATURE SENSOR
T	LOW VOLTAGE THERMOSTAT
MECHANICAL DUCTWORK ACCESSORIES	
	DUCT WITH MANUAL VOLUME DAMPER
S	DUCT MOUNTED SMOKE DETECTOR (HARD WIRE INTERLOCK TO FAN MOTOR BY E.C.) FURNISHED BY E.C., INSTALLED BY M.C.
MECHANICAL AIR DEVICES	
RR	RETURN REGISTER
ER	EXHAUST REGISTER
RG	RETURN GRILLE
CD	CEILING DIFFUSER
RCD	ROUND CEILING DIFFUSER
	LINEAR SLOT DIFFUSER
MECHANICAL DUCTWORK	
UP	SUPPLY DUCT WITH ELBOW TURNED UP
DN	SUPPLY DUCT WITH ELBOW TURNED DOWN
UP	RETURN DUCT WITH ELBOW TURNED UP
DN	RETURN DUCT WITH ELBOW TURNED DOWN
UP	EXHAUST DUCT WITH ELBOW TURNED UP
DN	EXHAUST DUCT WITH ELBOW TURNED DOWN
24X12 SA	SUPPLY DUCT
24X12 RA	RETURN DUCT
24X12 EA	EXHAUST DUCT
24X12 OA	OUTSIDE AIR DUCT
	1" LINED DUCTWORK
	FLEXIBLE DUCTWORK CONNECTION
	BRANCH TAKEOFF
	REDUCER, CONCENTRIC
	REDUCER, NONCONCENTRIC

Stantec

Consultant

KLH ENGINEERS

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MECHANICAL/ELECTRICAL ENGINEERS
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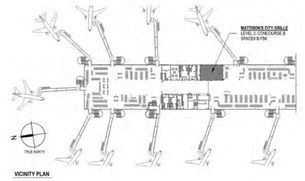
FT. THOMAS, KENTUCKY 41075
800-354-9783 859-442-8050
859-442-8058 FAX

LEXINGTON, KENTUCKY
LOUISVILLE, KENTUCKY
COLUMBUS, OHIO
NEW YORK, NEW YORK

Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

MECHANICAL COVER SHEET

Project No.

Scale
1/8" = 1'-0"

Revision

Drawing No.
M-001

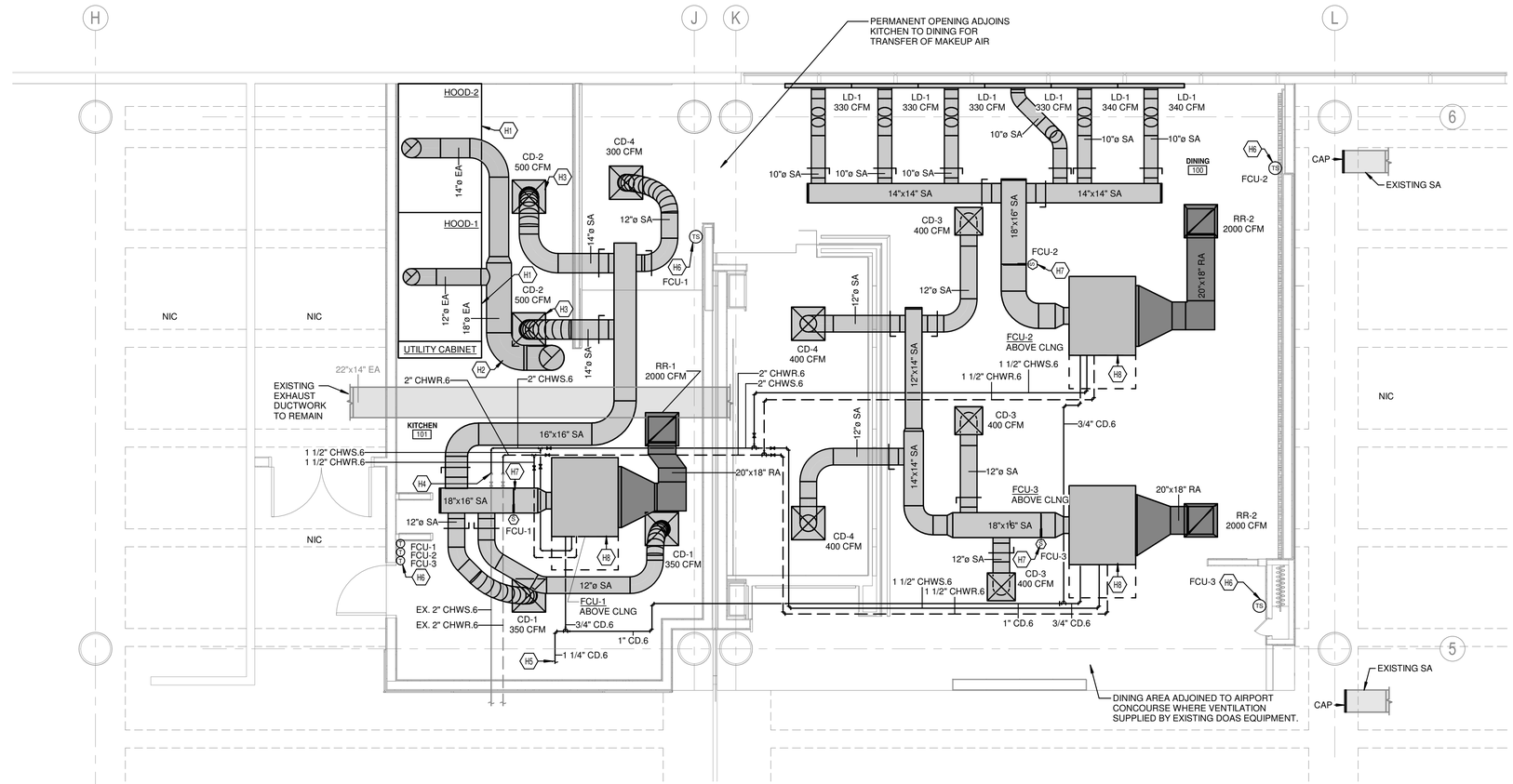
1/14/2025 1:36:57 PM

ORIGINAL SHEET - ARCH D

KEYED NOTES

H1	INSTALL TYPE I KITCHEN HOOD. REFER TO CAPTIVEAIRE DRAWINGS FOR ADDITIONAL INFORAMTION. CONFIRM PURCHASE RESPONSIBILITY PRIOR TO BID.
H2	INSTALL TYPE I PRE-FABRICATED DUCTWORK. REFER TO CAPTIVEAIRE DRAWINGS FOR ADDITIONAL INFORMATION. CONFIRM PURCHASE RESPONSIBILITY PRIOR TO BID.
H3	PERFORATED SUPPLY DIFFUSER PROVIDED WITHOUT PATTERN CONTROLLER.
H4	EXTEND AND CONNECT CHILLED WATER SUPPLY / RETURN PIPING TO EXISTING AIRPORT STUBS. FIELD VERIFY EXACT SIZE / LOCATION PRIOR TO BID.
H5	PROVIDE INSULATED COPPER CONDENSATE PIPING AND DISCHARGE TO EXISTING LANDLORD PROVIDED STORM DRAIN OR CONNECT TO APPROVED STORM PIPE STUBBED INTO SPACE. FIELD VERIFY EXACT SIZE AND LOCATION PRIOR TO BID.
H6	PROVIDE BUILDING STANDARD TEMPERATURE CONTROLS / SENSORS AS INDICATED ON PLAN. CONFIRM FINAL PLACEMENT WITH OWNER REPRESENTATIVE. CONFIRM ALL CONTROLS REQUIREMENTS WITH AIRPORT PRIOR TO BID.
H7	ELECTRICAL CONTRACTOR SHALL FURNISH NEW ADDRESSABLE DUCT MOUNTED SMOKE DETECTOR. MECHANICAL CONTRACTOR SHALL INSTALL SMOKE DETECTOR IN THE RETURN AIR DUCT. MECHANICAL CONTRACTOR SHALL PROVIDE WIRING TO FAN INTERLOCK. E.C. SHALL PROVIDE WIRING FOR CONNECTION TO REMOTE ANNUNCIATOR.
H8	PROVIDE CHILLED WATER FAN COIL UNIT AS SCHEDULED. BALANCE TO THE SCHEDULED AIRFLOW AND WATER FLOW. MAINTAIN ALL CODE AND MANUFACTURER REQUIRED CLEARANCES.

OWNER COMMENT: LINED DIFFUSER PLENUMS AND DUCTWORK ARE NOT RECOMMENDED DUE TO HUMIDITY AND MOISTURE. PROVIDE EXTERNALLY INSULATED DUCTWORK AND DIFFUSER PLENUMS.



1 MECHANICAL FLOOR PLAN
1/4" = 1'-0"

Consultant

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800-354-9783 859-442-8050 — COLUMBUS, OHIO
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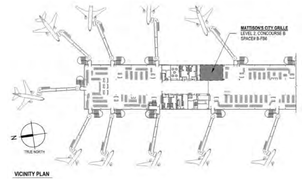
Notes



VICINITY PLAN

1	Rev 2 - Client Changes			2024.10.25
B1	Rev 1 - Bid Addendum			2024.08.16
Revision		By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION		KLH	KLH	2025.01.16
Issued		By	Appd	YYYY.MM.DD
File Name: N/A		Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
MECHANICAL FLOOR PLAN

Project No.
Scale 1/4" = 1'-0"
Revision 1
Drawing No. **M-101**

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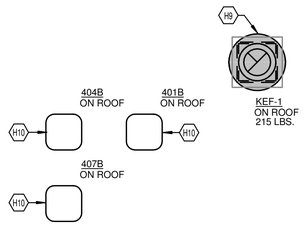
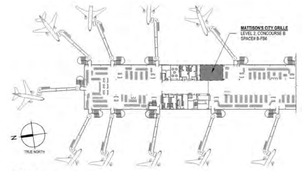
ORIGINAL SHEET - ARCH D

KEYED NOTES

H9	INSTALL TYPE I EXHAUST FAN ON AIRPORT PROVIDED ROOF CURB. FIELD VERIFY EXACT LOCATION AND SIZE. REFER TO CAPTIVEAIRE DRAWINGS FOR ADDITIONAL INFORMATION. CONFIRM PURCHASE RESPONSIBILITY PRIOR TO BID. FAN TO BE LOCATED A MINIMUM OF 10'-0" FROM EXISTING FRESH AIR INTAKES.
H10	REMOTE CONDENSING UNIT PURCHASED BY OTHERS, INSTALLED BY GENERAL CONTRACTOR. REFER TO KITCHEN EQUIPMENT PLANS FOR FURTHER DETAIL. PROVIDE PENETRATIONS FOR REFRIGERANT PIPING / POWER AND DOGHOUSE FOR REMOTE CONDENSING UNITS. INSTALL SUPPORTS PROVIDED BY OTHERS FOR REMOTE CONDENSING UNITS. VERIFY FINAL LOCATION WITH KITCHEN EQUIPMENT VENDOR. INSTALL ON RAISED CURB OR EQUIPMENT STAND IN ACCORDANCE WITH 1510.10 OF FBCB.



1 MECHANICAL ROOF PLAN
1/4" = 1'-0"



VICINITY PLAN

Consultant

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File Name: N/A — Dwn. — Dsgn. — Chkd. — YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project
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Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
MECHANICAL ROOF PLAN

Project No.
Scale
1/4" = 1'-0"
Revision
Drawing No.
M-102

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ORIGINAL SHEET - ARCH D

SECTION 23 05 01.00 – COMMON REQUIREMENTS FOR HVAC

General
General Provisions of the Contract including General and Supplementary Conditions and General Requirements apply to work of this section.
Scope
The base bid includes furnishing all materials, labor, tools, and equipment and the performance of all work required to install a complete heating and air conditioning system as outlined herein.
Guarantee
The contractor shall provide a guarantee in written form stating that all work under this section shall be free of defective work, materials, or parts for a period of one year from the date of owner's final acceptance and shall repair, revise or replace at no cost to the owner any such defects occurring within the guarantee period. Contractor shall also state in written form that any items or occurrences arising during the guarantee period will be attended to in a timely manner and will in no case exceed four (4) working days from date of notification by owner.
Quality Assurance
Provide a complete installation in conformance with the following standards.
ASHRAE: American Society of Heating, Refrigerating and Air Conditioning Engineers
NFPA: National Fire Protection Association
SMACNA: Sheet Metal and Air Conditioning Contractors National Association.
Statewide Building Code
Permits, Fees, Inspections, Laws and Regulations
Permits and fees of every nature required in connection with this work shall be obtained and paid for by this contractor who shall also pay for all the installation fees and similar charges. Laws and regulations, which bear upon or affect the various branches of this work shall be complied with by this contractor and are hereby made a part of this contract. All work, which such laws require to be inspected, shall be submitted to the proper public official for inspection and a certificate of final approval must be furnished.
Work in Existing Spaces
General: Care shall be taken when working in existing spaces so as not to damage existing walls and ceilings where work is being performed.
Ceilings: Where work is being performed above ceilings, and the architectural drawings do not indicate ceiling modifications by the general contractor, it shall be the responsibility of this contractor to remove and replace existing ceilings where work is being performed. In those instances, all repair and installation of new grid, ceiling panels, etc shall be the responsibility of this contractor.
Match existing finishes.
Walls & Floors: It shall be the responsibility of this contractor to patch existing walls and floors and match existing finishes where work is being removed or installed and patching is being performed, unless noted otherwise on the architectural drawings.
Demolition
Any Equipment to be demolished shall also include the demolition of any and all ductwork, piping etc serving or served by the equipment, all accessories, air devices, wiring, gas piping, venting, control wiring and power wiring associated with the equipment.
Demolition shall be coordinated with all trades. All materials shall be turned over to the owner or disposed at the owner's direction.
Contractor is responsible for reclaiming any refrigerant in association with the demolition in accordance with all local, state and federal regulations.
Any roof or wall penetration shall be patched watertight to the satisfaction of the architect.
Tests and Adjustments
No ducts, piping, fixtures or equipment shall be concealed or covered until they have been inspected and approved by the Architect and the inspector who shall be notified by the contractor when the work is ready for inspection.
Work shall be completely installed, tested and leak tight before inspection is required. All tests shall be repeated to the satisfaction of those making the inspection.
Architectural coordination items
Cutting and Patching: Cut and drill all openings in walls and floors required for the installation. Secure approval of Engineer before cutting and drilling. Neatly patch all openings cut.
Fire Caulking: Patching through fire rated walls and enclosures shall not diminish the rating of that wall or enclosure. Patch shall be equal to rockwool, firestop, caulk or approved "rated" patch.
Access Panels and Pathways: Furnish all access panels required for proper servicing of equipment. Provide access panels for all concealed valves, vents, controls, cleanout doors, and sprinkler devices required by NFPA. Provide access panels for all fire and/or fire & smoke dampers. Provide frame as required for finish. Furnish panels to General Contractor. Exact locations to be approved by the Architect. Minimum size to be 12" x 12", units to be 16 gauge steel, locking device shall be screwdriver cam locks.
Rooftop mechanical equipment shall be installed a minimum of 10'-0" from any roof edge regardless of location indicated on plans, unless a screen wall or railing is installed per the local building code. See the architectural plans for coordination.
ELECTRICAL COORDINATION ITEMS
Electrical Wiring: Install electrical devices furnished by manufacturer but not specified to be factory-mounted.
Furnish copy of manufacturer's wiring diagram submittal to Electrical Installer.
Verify that electrical wiring installation is in accordance with manufacturer's submittal and installation requirements of Division 26 sections. Do not proceed with equipment start-up until wiring installation is acceptable to equipment installer.
Install electric heating terminal units including components in accordance with equipment manufacturer's written instructions, and with recognized industry practices; complying with applicable installation requirements of NEC and NECA's "Standard of Installation".
Tighten connectors and terminals, including screws and bolts, in accordance with equipment manufacturer's published torque tightening values for equipment connectors. Where manufacturer's torquing requirements are not indicated, tighten connectors and terminals to comply with tightening torques specified in UL Std 486A.
Grounding: Provide equipment grounding connections for electric heating terminals as indicated. Tighten connections to comply with tightening torque values specified in UL Std 486A to assure permanent and effective grounding.
FIELD QUALITY CONTROL
Testing: After installation has been completed, test to demonstrate proper operation of mechanical equipment at performance requirements specified. When possible, field correct malfunctioning units, then retest to demonstrate compliance. Replace units, which cannot be satisfactorily corrected. Test controls and demonstrate compliance with requirements.
Cleaning: After construction is completed, including painting, clean unit exposed surfaces, vacuum clean coils and inside of cabinets. Clean factory-finished surfaces. Repair any marred or scratched surfaces with manufacturer's touch-up paint.
START-UP
Provide the services of a factory-authorized service representative to start-up rooftop units, in accordance with manufacturer's written start-up instructions. Test controls and demonstrate compliance with requirements. Replace damaged or malfunctioning controls and equipment.
TRAINING OF OWNER'S PERSONNEL
Provide services of manufacturer's technical representative for 1-half day to instruct Owner's personnel in operation and maintenance of units. Schedule training with Owner, provide at least 7-day notice to Contractor and Engineer of training date.

SECTION 23 05 03.00 – SUBMITTALS FOR HVAC

General
Where submittals are required by the Contract Documents, they shall be prepared and supplied in accordance with the Contract Documents. In addition to Division 01, the Contractor is advised to review and comply with the requirements articulated within each Division and within each section of that Division.
Some Divisions may include a division-specific "Submittal Requirements for …." section. Where this section exists, it articulates additional requirements for submittals that apply to the work of that Division.
The following requirements help to identify, track and keep the project organized for all parties involved. They are necessary to ensure a timely turnaround and an appropriate technical review. Submittals that do not conform to the administrative requirements are rejected and returned, without technical review.
Requirements
Supply submittals for each section: Submittals shall be supplied on a section-by-section and type-by-type basis. For example, independent product data submittals shall be furnished for each section that requires product data submittals. Independent shop drawing submittals shall be furnished for each section that requires shop drawings. Refer to the specifications for identification of which submittals are required for the project. Separate PDF file packages shall be supplied for each section, for each submittal type, where electronic submittals are required. Each PDF shall represent a single standalone submittal. Separately bound and identified submittals shall be provided where hardcopies are required.
Include a transmittal: Transmittals shall enumerate each submittal for each section of each type and iteration.
Include cover sheet / title page: The cover sheet shall include the information identified in the contract documents. It shall be included as the first page of each electronic and/or hardcopy document-based submittal. An editable and printable PDF form created with editable fields and specification compliant appearance is available from KLH upon request. It is also downloadable from the KLH website at www.klhengrs.com.
Include an index: The index shall enumerate the contents of the submittal.
Include checklists: Where checklists are included with the specifications, complete and include them within the appropriate submittal. Supply complete submittals:
Complete submittals of each type are required. Partial submittals will be rejected. Where a section requires a product data submittal, all product data for that section shall be supplied together, at one time, as one complete submittal. Do not send half the product data as one submittal and the other half as a separate one. When resubmittal is required (e.g. Revise and Resubmit) the revised submittal shall be more complete, more accurate and more contract-compliant than its rejected predecessor. The submittal number (for each section and type) shall increment for each subsequent submittal (00 – Original submission, 01 – First Resubmission, 02 – Second Resubmission, etc…). Resubmittals shall include a copy of the reviewer's comments supplied with the prior submittal rejection and shall be amended with a description of the specific action taken to comply with the reviewer's comments. The absence of this on resubmittal is cause for rejection.
Name electronic files to match the submittal ID and cover sheet: The electronic file name of submittals shall match the submittal ID included on the submittals cover page. For example: The original/first product data submittal for Section 234116 would be labeled as "234116.00-PD-00"; the first resubmittal of same shall be labeled "234116.00-PD-01". The original/first shop drawings submittal file for the same section would be labeled "234116.00-SD-00"; the first resubmittal of same shall be labeled "234116.00-SD-01".
Use of Electronic Drawings from the Owner's Design Team
Plan drawings for the Project were created with AutoCAD and Revit.
If expressly permitted by the Owner and the terms of the Contract, editable electronic versions of standard-scale, AutoCAD-based plan drawings may be made available for the creation of shop and as-built drawings.
Due to the proprietary nature of internal design systems, editable native-software versions of some drawings, including but not limited to system diagrams and details will not be made available in an editable form. In these cases, electronic versions of the drawings may be made available only in PDF, JPG or similar non-editable electronic form, at the sole discretion of the Design Professional.
The Request Drawings form can be accessed, filled out and submitted at the following internet address (scroll down to bottom of home page): http://www.klhengrs.com.

SECTION 23 05 29.00 – HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT

Submittal Requirements
Product Data: For each type of product indicated.
Shop Drawings: Fabrication and installation details.

General
Support all piping, ductwork and equipment by hangers or brackets properly from the building structure. Support from decking above is prohibited. Furnish structural steel members where required to support piping and equipment. No portion of piping or valves shall be supported by equipment.
Ductwork - Support by means of hangers as follows:

Duct Width	Hanger Size and Type	Max. Spacing
30 or less	(#16 gage)	8
31 to 60	(#14 gage)	8

A pair of hangers shall be located at every transverse joint and elsewhere according to the table.
Piping
Install hangers, supports, clamps and attachments to support piping properly from building structure. Arrange for grouping of parallel runs of horizontal piping supported together on field-fabricated, heavy-duty trapeze hangers where possible. Where piping of various sizes is supported together by trapeze hangers, space hangers for smallest pipe size or install intermediate supports for smaller diameter pipe as specified above for individual pipe hangers.
Individual pipe hangers to be Anvil International Clevis Hanger Fig. 260, Elcen, or approved equal.
Rod sizes to conform to the following: 3/8" rods for 3/4"-2" pipe; 1/2" rods for 2-1/2"-3" pipe; 5/8" for 4"-5" pipe and 3/4" for 6" pipe.
Hangers shall be sized to allow insulation to pass through unobstructed, provide saddle support for insulation at all hanger.
Hanger spacing for steel piping unless otherwise noted is to be as follows: 1-1/4" or smaller to be 8' on center; 1-1/2"-2" to be 10' on center; 2-1/2" and larger to be 12' on center and at each change of direction. Hanger spacing for copper pipe to be as follows: 1" or smaller 6' on center; 1-1/4" or larger 8' on center.
Piping shall be also supported at each change in direction, at valves, and at equipment.

SECTION 23 05 93.00 – TESTING, ADJUSTING AND BALANCING FOR HVAC

Submittal Requirements
Shop Drawings: Certified Reports: Submit testing, adjusting, and balancing reports bearing the seal and signature of the Test and Balance Engineer. The reports shall be certified proof that the systems have been tested, adjusted, and balanced in accordance with the referenced standards; are an accurate representation of how the systems have been installed; are a true representation of how the systems are operating at the completion of the testing, adjusting, and balancing procedures; and are an accurate record of all final quantities measured, to establish normal operating values of the systems. Final Report: Upon verification and approval prepare final reports, type written, and organized and formatted as specified below. Submit 2 complete sets of final report to the landlord.

General
Test, adjust, and balance the following mechanical systems:
Supply air systems, all pressure ranges
Return air systems.
Exhaust air systems.
Hydronic systems.
Verify temperature control system operation.
Test systems for proper sound and vibration levels.
Quality Assurance
Codes and Standards:
AABC: "National Standards for Total System Balance".
ASHRAE: ASHRAE Handbook, 2011 Applications, Chapter 38, Testing, Adjusting, and Balancing.
Qualifications
The contractor shall procure the services of an independent Balance and Testing Agency, approved by the Engineer, and a member of Associated Air Balance Council (AABC) or NEBB, which specializes in the balancing and testing of heating, ventilating and air conditioning systems, to balance, adjust and test all air and water systems and equipment as herein specified. All work by this agency shall be done under direct supervision of a qualified heating and ventilating Engineer employed by this agency. All instruments used by this agency shall be accurately calibrated and maintained in good working order.
Sequencing and Scheduling
Test, adjust, and balance the air systems before hydronic, steam, and refrigerant systems.
Test, adjust and balance air conditioning systems during summer season and heating systems during winter season, including at least a period of operation at outside conditions within 5 deg F wet bulb temperature of maximum summer design condition, and within 10 deg F dry bulb temperature of minimum winter design condition.
Take final temperature readings during seasonal operation.
Check all filters for cleanliness, provide new as required.
Check dampers (volume and fire) for correct and locked position, and temperature control for completeness of installation before starting fans. Place outlet dampers in full open position. Lubricate all motors and bearings.
Check fan belt tension. Check fan rotation.
Open valves to full open position. Remove and clean all strainers. Set temperature controls so all coils are calling for full flow.
Air balance and testing shall not begin until the system has been completed and is in full working order. The Contractor shall put all heating, ventilating and air conditioning systems and equipment into full operation and shall continue the operation of same during each working day of testing and balancing. The contractor shall submit within 30 days after receipt of contract, 8 copies of submittal data for the testing and balancing of the air conditioning, heating, and ventilating system. The Air Balance and Testing Agency shall provide proof of having successfully completed at least five projects of similar size and scope.
The air balancing contractor shall include the additional cost to change every fan factory installed sheave, pulley and/or belt of in order to obtain the design air flows.
Performing Testing, Adjusting and Balancing
Perform testing and balancing procedures on each system identified, in accordance with the detailed procedures outlined in the referenced standards.
Cut insulation, ductwork, and piping for installation of test probes to the minimum extent necessary to allow adequate performance of procedures.
Patch insulation, ductwork, and housings, using materials identical to those removed.
Seal ducts and piping, and test for and repair leaks.
Seal insulation to re-establish integrity of the vapor barrier.
Mark equipment settings, including damper control positions; valve indicators, fan speed control levers, and similar controls and devices, to show final settings. Mark with paint or other suitable, permanent identification materials.
Retest, adjust, and balance systems subsequent to significant system modifications, and resubmit test results.

SECTION 23 07 13.00 – DUCT INSULATION

Submittal Requirements
Product Data: For each product indicated.
Shop Drawings: Include plans, elevations, sections, details and attachments to other work.

All liners, insulation and adhesives shall have a flame spread index not more than 25 and a smoke developed index of not more than 50. Insulation shall have a minimum installed thermal resistance value of R6 or code minimum, whichever higher.
Rigid Fiberglass Ductwork Insulation: Glass fibers bonded with a thermosetting resin. Comply with ASTM C 612, Type IB, without facing and with vapor barrier all-service jacket manufactured from kraft paper, reinforcing scrim, aluminum foil, and vinyl film.
Flexible Fiberglass Ductwork Insulation: Glass fibers bonded with a thermosetting resin. Comply with ASTM C 553, Type II, without facing and with vapor barrier all-service jacket manufactured from kraft paper, reinforcing scrim, aluminum foil, and vinyl film.
Vapor Barrier Material for Ductwork: Paper-backed aluminum-foil, except as otherwise indicated; strength and permeability rating equivalent to factory-applied vapor barriers on adjoining ductwork insulation, where available; with following additional construction characteristics:
High Puncture Resistance: Low vapor transmission (for ducts in exposed areas: Mech. Rooms, etc.)
Moderate Puncture Resistance: Medium vapor transmission (for ducts in concealed areas).
All ductwork shall be insulated except:
Double wall ductwork
Fabric ductwork
Metal ducts with duct liner of sufficient thickness to comply with energy code.
Factory insulated flexible ductwork
Factory insulated plenums and casings
Flexible connectors
Vibration control devices
Factory insulated access panels and doors
Supply ductwork exposed in conditioned spaces excluding mechanical rooms, server rooms and electric equipment rooms
Toilet exhaust, general exhaust and return ductwork in an insulated joint or attic space.

SECTION 23 07 19.00 – HVAC PIPING INSULATION

Submittal Requirements
Product Data: For each type of product indicated.

Provide 1" fiberglass insulation on chilled water piping.
Provide 1" fiberglass insulation on concealed condensate drain piping.
Insulation shall have a minimum thickness as required by Code.
All insulation and adhesives shall have a flame spread index not more than 25 and a smoke developed index of not more than 50.

SECTION 23 09 93.00 – SEQUENCE OF OPERATIONS FOR HVAC CONTROLS

Submittal Requirements
Product Data: Provide written sequences of operation for each controlled system and piece of equipment.

Fan Coil Unit (CW, no O.A.)
Provide two-way, fail-safe closed, modulating control valve for chilled water coils. Provide two-way, fail-safe open, modulating control valve for hot water coils. All setpoints listed in this section are adjustable through the Building Automation System (BAS).
1. Startup
The unit shall operate on an occupied/unoccupied cycle as controlled from the BAS. Occupancy shall be predetermined by the owner and programmed into the BAS.
2. Supply Fan Control
The supply fan speed shall be constant, run continuously during occupied mode and wired for high speed.
3. Space Temperature Control
Provide 7-day programmable thermostat with digital display of space temperature and setpoint (+/- deg. F. adjustable), with override feature and remote space temperature sensor.
4. Cooling Control
Cooling shall be controlled to maintain space temperature setpoint. On a call for cooling the heating valve shall be closed. On a further call for cooling the chilled water valve shall be modulated open.
5. Smoke Detector
When the smoke detector is alarmed, the system shall be alarmed and the fan coil unit shall fail safe with manual reset.
6. Condensate Overflow
A condensate overflow switch located in the condensate pan shall fail safe the fan coil unit on a detection of a high level of water in the condensate pan and alarm thru the BAS.
7. Unoccupied Mode
During the unoccupied mode of operation, the fan coil unit shall go into night setback.
8. Night Setback/Shut Down
At night setback/ shutdown the fan coil unit shall go to fail safe position. Fail safe position is defined by the following: The supply fan is off, the heating valve is open and the cooling valve is closed. The supply fan shall cycle in conjunction with either the heating or cooling system to maintain a minimum/maximum space temperature depending on the season.

Kitchen Hood Exhaust Fan (Type I)
Provide heat detector in hood collar interlocked to fan operation
The Kitchen Hood exhaust system shall be initiated by the heat detector. Provide indicator light on face of hood. At startup, energize exhaust fan motor. Interlock to makeup air system (whether dedicated makeup air or makeup air from HVAC system), so that makeup air is provided whenever exhaust fan is running.
The exhaust fan shall run continuously at constant speed. Provide a current transducer to prove fan operation. At shutdown, the exhaust fan shall stop.
Provide all controls and wiring for complete interlock and operation of Kitchen Hood, exhaust fan, and all associated motor dampers.

Controls
Electrical contractor will provide power wiring. HVAC contractor shall provide all the low voltage wiring of HVAC units and controls, thermostats and controllers.
Thermostat shall be by the manufacturer of the HVAC unit (heat/cool/auto/off) with night setback. Provide plastic protective cover for all thermostats.

Temperature Sensors tied to BAS
Sensors shall be furnished, installed and wired by the Temperature Control Contractor. The electrical contractor shall provide 4" square x 1- 1/2" deep wall outlet boxes at 54" above finished floor (with single-gang rings) for all thermostats/sensors. The electrical contractor shall provide one 3/4" empty conduit from each thermostat/sensor location, turned out above accessible ceilings (in joist space or against overhead slab/deck).
The Temperature Control Contractor shall provide all other necessary conduit, raceway and wiring related work.
Conduit shall be identified in ceiling cavity and shall be provided with sweep bends, bushings and dragline.
The HVAC/Temperature Control Contractor shall coordinate with the General Contractor to ensure thermal envelope is maintained at these locations.

General Control Wiring Requirements and Installation Methods
Except where specifically indicated otherwise above, the HVAC/Temperature Control Contractor shall provide all electrical work as required for all temperature control related wiring (i.e. conduit, raceway, outlet boxes, junction boxes, wiring, etc.) in accordance with Electrical Specifications requirements. All conduit shall be 3/4" minimum.
Coordinate all thermostat/sensor locations in field (case by case) with Architect, Owner and Electrical Contractor to ensure that they are placed in locations that will not interfere with furniture, equipment, artwork, wall-hung specialties, room finishes, etc. All thermostat/sensor wall locations indicated on HVAC drawings are schematic only and must be verified case-by-case prior to rough-in.
All electrical work as described in this specification shall be per the latest edition of the National Electrical Code (NEC) and per applicable state and local codes.
Where "free-air" installation methods (either exposed above the ceilings, in bridle rings or in cable trays) are permitted under Electrical Specifications above ceilings, provide plenum-rated cables wherever plenum ceilings (if any) exist and install as defined under Electrical Specifications. Install low voltage circuits, located in concrete slabs and masonry walls, in inaccessible locations, or exposed in occupied areas, in electrical conduit regardless of what wiring methods are permitted under Electrical Specifications.
Where cable trays or bridle rings are provided by the electrical contractor for low voltage cables, these raceways may be utilized for control wiring by this contractor (provide special color coded jackets, label cable jackets per Electrical Specifications and group control wiring cables together). Provide conduit drops from cable tray/bridle ring paths to wall outlet boxes and equipment unless directed otherwise under Electrical Specifications. Regardless of permitted methods in Electrical Specifications, all cables/wiring installed concealed by

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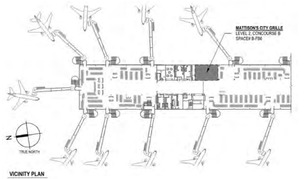
Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo
Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille
Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
MECHANICAL SPECIFICATIONS

Project No.
Scale
Revision
Drawing No.
M-401

gypsum board, masonry or other inaccessible materials in walls or above ceilings shall be installed in conduit, 3/4" minimum.
All conduit, bridle rings, raceway, outlet boxes, etc. necessary for complete operational installation of control wiring shall be provided (furnished and installed) by the temperature control contractor in strict compliance with Electrical Specifications documents. Coordinate all work with all other applicable trades including the electrical contractor.
Provide all required conduit work to and between equipment in a manner compliant with that described above (i.e. between VAV boxes, to boilers, starters, condensing units, etc. as applicable).
Install control wiring without splices between terminal points, color-coded. Install in neat workmanlike manner, securely fastened. Install in accordance with National Electrical Code and per Electrical Specifications.
Install circuits over 25 volt with color-coded No. 12 wire in electrical metallic tubing, per Electrical Specifications.
Install circuits under 25 volt with color-coded No. 18 wire with 0.031" high temperature (105 degs. F) plastic insulation on each conductor and plastic sheath over all.
Install electronic circuits with color-coded No. 22 wire with 0.023" polyethylene insulation on each conductor with plastic-jacketed copper shield over all.

Smoke Detector
All duct smoke detectors will be furnished by electrical contractor, installed by the HVAC contractor, and wired by the electrical contractor per local codes. HVAC contractor will interlock fan with smoke detector.

SECTION 23 21 13.23 – ABOVEGROUND HYDRONIC PIPING AND SPECIALTIES

Submittal Requirements
Product Data: For each type listed.
Shop Drawings: Detail the piping layout, fabrication of pipe anchors, hangers, supports, alignment guides, expansion joints and loops and attachments of the same to the building structure.
Locations and Arrangements: Drawings (plans, schematics, and diagrams) indicate the general location and arrangement of piping systems. Locations and arrangements of piping take into consideration pipe sizing and friction loss, expansion, pump sizing, and other design considerations. So far as practical, install piping as indicated. Locate groups of pipes parallel to each other, spaced to permit full insulation and servicing of valves.

Hydronic Piping
Copper tubing, 3 inch and smaller: ASTM B 88, Type L with wrought-copper, solder joint, streamlined pattern fittings.
Steel pipe, 2 inch and smaller: ASTM A 53, Type S (seamless) or Type F (furnace-butt welded), Grade B, Schedule 40, black steel, plain ends with malleable-iron threaded fittings.
Steel pipe, 2-1/2 inch through 8 inch: ASTM A 53, Type E (electric-resistance welded), Grade B, Schedule 40, black steel, plain ends with seamless or welded steel fittings for welded joints.
Condensate drain piping shall be type L copper with soldered or brazed joints.
Installation
Install all hydronic piping, except for condensate piping, at a uniform grade of 1 inch per 40 feet upward in the direction of flow.
Install all condensate piping at a uniform grade of 1/8 inch per 1 foot downward in the direction of flow to the nearest drain location.
Install isolation valves in all branches serving two or more pieces of equipment.
Install valves at the inlet and outlet of each terminal with unions or flanges and shutoff/balancing valves.

SECTION 23 31 13.00 – METAL DUCTS

Submittal Requirements
Product Data: For liners, adhesives, sealants and gaskets.
Shop Drawings: Sheet metal thickness, reinforcing details, duct layouts indicating sizes, configuration, liner material, elevation and static pressure class.

Ductwork Materials
Exposed Ductwork Materials: Where ductwork is indicated to be exposed to view in occupied spaces, provide materials which are free from visual imperfections including pitting, seam marks, roller marks, stains and discolorations, and other imperfections, including those which would impair painting. Mechanical contractor shall confirm ductwork paint scope and color with architect.
Exposed ductwork which is to be painted shall have paint grip applied and be oil free.
Sheet Metal: Except as otherwise indicated, fabricate ductwork from galvanized sheet steel, lock forming quality; with G 90 zinc coating and mill phosphatized for exposed locations. Minimum gauge shall be 24.
Miscellaneous Ductwork Materials
Volume Dampers: Provide volume dampers in all branch ducts or as required for balancing to required air flows.
Fittings: Provide radius type fittings fabricated of multiple sections with maximum 15 deg. change of direction per section. Unless specifically detailed otherwise, use 45 deg. laterals and 45 deg. elbows for branch takeoff connections. Where 90 deg. branches are indicated, provide conical type tees.
Duct Sealant: Non-hardening, non-migrating mastic or liquid elastic sealant, type applicable for fabrication/installation detail, as compounded and recommended by manufacturer specifically for sealing joints and seams in ductwork.
Duct Cement: Non-hardening migrating mastic or liquid neoprene based cement, type applicable for fabrication/installation detail, as compounded and recommended by manufacturer specifically for cementing fitting components, or longitudinal seams in ductwork.
Ductwork Support Materials: Except as otherwise indicated, provide hot-dipped galvanized steel fasteners, anchors, rods, straps, trim and angles for support of ductwork.
Flexible Ducts
Either spiral-wound spring steel with flameproof vinyl sheathing, or corrugated aluminum. Unless specifically mentioned, the maximum length of flex duct on the supply equals 5 feet. Flex is not allowed for return, relief or exhaust applications. The flexible ducts indicated for use in the H.V.A.C. system shall conform to the requirements of UL 181 for Class 0 or Class 1 flexible air ducts and shall be so identified.
Where installed in unconditioned spaces other than return air plenums, provide 1" thick 1-1/2 lb. continuous flexible fiberglass sheath with vinyl vapor barrier jacket.
Installation is not permitted above drywall ceilings and inaccessible ceilings.
Fabrication
Shop fabricate ductwork in 4, 8, 10 or 12-ft lengths, unless otherwise indicated or required to complete runs. All ductwork shall be Pittsburgh Construction with a minimum of thickness of 24 gauge. In addition, ductwork used in systems over 3" W.G. shall have cold sealant applied.
Shop fabricate ductwork of gauges and reinforcement complying with SMACNA "HVAC Duct Construction Standards".
Lined Duct
Fabricate ductwork with duct liner in each section of duct where indicated. Laminate liner to internal surfaces of duct in accordance with instructions by manufacturers of lining and adhesive, and fasten with mechanical fasteners.
Duct liner to be 3-lb density for acoustic requirements 1" thick or as noted. Size of ductwork shown on the drawings is free net area, outside dimension of ducts will need to be increased if lined duct is used.
Size of ductwork shown on the drawings is free net area, outside dimension of ducts will need to be increased if lined duct is used.
Duct Liner: Fibrous glass of thickness indicated. 3-lb density. All liners, insulation and adhesives shall have a flame spread index not more than 25 and a smoke developed index of not more than 50.
Duct Liner Adhesive: As recommended by insulation manufacturer and complying with NFPA 90A or NFPA 90B.
Duct Liner Fasteners: Comply with SMACNA HVAC Duct Construction Standards.
Installation of Metal Ductwork
General: Assemble and install ductwork in accordance with recognized industry practices which will achieve air-tight (5% leakage for systems rated 3" and under; 1% for systems rated over 3") and noiseless (no objectionable noise) systems, capable of performing each indicated service. Install each run with minimum number of joints. Align ductwork accurately at connections, within 1/8" misalignment tolerance and with internal surfaces smooth. Support ducts rigidly with suitable ties, braces, hangers and anchors of type which will hold ducts true-to-shape and to prevent buckling. Support vertical ducts at every floor.
Sealing: Seal all longitudinal seams, S's and drives and all joints with mastic or cement. Install according to SMACNA standards.
Balancing Dampers: The sheet metal contractor shall be fully responsible for installing balancing dampers in the ductwork, (whether shown on the drawing or not) in order to arrive at the intended air flow. The balancing sub-contractor shall provide direction and assistance in determining locations where dampers are required. Additional dampers, if required shall be installed at no additional cost to the owner.
Wall Penetrations: Seal and pack around all ducts and piping sleeves which pass through walls that extend to bottom side of structure and rated walls.
Field Fabrication: Complete fabrication of work at project as necessary to match shop-fabricated work and accommodate installation requirements.
Routing: Locate ductwork runs, except as otherwise indicated, vertically and horizontally and avoid diagonal runs wherever possible. Run ductwork in shortest route which does not obstruct useable space or block access for servicing building and its equipment. Hold ducts close to walls, overhead construction, columns, and other structural and permanent enclosure elements of building. Limit clearance to 1/2" where furring is shown for enclosure or concealment of ducts, but allow for insulation thickness, if any. Where possible, locate insulated ductwork for 1" clearance outside of insulation. Wherever possible in finished and occupied spaces, conceal ductwork from view, by locating in mechanical shafts, hollow wall construction or above suspended ceilings. Do not encase horizontal runs in solid partitions, except as specifically shown.
Coordinate layout with suspended ceiling and lighting layouts and similar finished work.
Electrical Equipment Spaces: Do not route ductwork through transformer vaults and their electrical equipment spaces and enclosures.
Penetrations: Where ducts pass through interior partitions and exterior walls, and are exposed to view, conceal space between construction opening and duct or duct insulation with sheet metal flanges of same gage as duct. Overlap opening on 4 sides by at least 1-1/2". Fasten to duct and substrate.
All dampers shall be low leakage with edge and blade seals. Damper manufacturers are subject to specification compliance. Provide products by one of the following:
Greenheck Fan Corporation
Nailor Industries
Pottorff
Ruskin Company
Young Regulator Company
Coordination: Coordinate duct installations with installation of accessories, dampers, coil frames, equipment, controls and other associated work of ductwork system.
Installation of Duct Liner
General: Install duct liner in accordance with SMACNA HVAC Duct Construction Standards. Size of ductwork shown on the drawings is free net area, outside dimension of ducts will need to be increased if lined duct is used.
Store internally lined ductwork up off of the floor. Protect internally lined ductwork from water and dust.
The following ductwork shall be lined in addition to that shown per plans:
Return from open ceiling plenum return to HVAC unit.
Supply and return ductwork 10 feet downstream of HVAC unit.
Transfer air ducts.
Butter the leading edge of all internal duct lining with the manufacturer's recommended adhesive.
Inspect and repair all damaged lining prior to installation of ductwork.
Installation of Flexible Ducts
Maximum Length: For any duct run using flexible ductwork, do not exceed 5' - 0" extended length.
Installation shall have smooth full radius turns down to diffuser.
Installation not permitted above inaccessible ceilings.

23 37 13.00 – DIFFUSERS, REGISTERS AND LOUVERS

Submittal Requirements
Product Data: For each type of product indicated.

DIFFUSERS, GRILLES AND REGISTERS
Manufacturer: Subject to compliance with requirements, provide diffusers of one of the following:
Anemostat Products Div., Dynamics Corp. of America.
Metal-Aire
Titus Products Div., Philips Industries, Inc.
Tuttle and Bailey.
Price
Louvers and dampers
Provide louvers and dampers of size as noted.
Manufacturer: Subject to compliance with requirements, provide diffusers of one of the following:
Aerolite
Prefco
Pottorff
Greenheck
Ruskin

23 38 13.00 – COMMERCIAL KITCHEN HOODS AND DUCTWORK

Submittal Requirements
Product Data: For each type of product indicated.
Type 1 Commercial Kitchen Hood
Refer to CaptiveAire drawings.
Type 1 Kitchen Exhaust Ductwork
Refer to CaptiveAire drawings.
Kitchen Exhaust Fan
Refer to CaptiveAire drawings.
Fire Protection System
Refer to CaptiveAire drawings.
Inspection
Installation of Type 1 Kitchen Exhaust Ducts
General: Fabricate joints and seams with continuous welds for watertight construction. Provide for thermal expansion of ductwork through 2000 deg. F temperature range. Install without dips or traps which may collect residues, except where traps have continuous or automatic residue removal. Provide access openings at duct connection to hood and at each change in direction, located on sides of duct 1-1/2" minimum from bottom, and fitted with grease-tight covers of same material as duct.
Field Quality Control
Testing: After installation of Hood exhaust system has been completed, test each system to demonstrate proper operation of units at performance requirements specified. When possible, field correct malfunctioning units, then retest to demonstrate compliance. Replace units which cannot be satisfactorily corrected.
Provide testing, permits and approvals as required by state and local authorities.
Adjusting and Cleaning
Clean factory-finished surfaces.
Repair any marred or scratched surfaces.
Inspection
Installation
Coordinate work with work of roofing, walls, and ceilings, as necessary for proper interfacing.
Duct connections to be provided by the HVAC contractor.
The termination of kitchen exhaust outlets shall not be less than 10 feet horizontally from parts of the same or contiguous buildings, adjacent property lines and air intakes.
Outlet shall not be less than 10 feet vertically above adjoining grade level.
Ensure that rotation is in direction indicated and intended for proper performance.
Do not proceed with centrifugal fan start-up until wiring installation is acceptable to fan Installer.

23 82 19.00 – FAN COIL UNITS

Submittal Requirements
Product Data: For each type of product indicated.

General
Provide fan-coil units having cabinet sizes, and in locations indicated, and of capacities, style, and having accessories as scheduled. Include in basic unit chassis, coils, fanboard, drain pan assembly, fans, housing, motor, filter, and insulation.
End Pockets: End pockets for completely housing factory installed valves and piping.
Chassis: Construct chassis of galvanized steel with flanged edges.
Insulation: Faced, heavy density glass fiber.
Cabinet: Construct of 18-ga steel removable panels, 16-ga front. Provide insulation over entire coil section.
Clean cabinet parts, bonderize, phosphatize, and flow-coat with baked-on primer and finished coat. Color selected by architect.
Coils: Construct of 5/8" seamless copper tubes mechanically bonded to configurated aluminum fins.
Design for 300 psi working pressure, and leak test at 300 psi under water.
Auxiliary Heating Coils: Construct of 7/16" seamless copper tubes mechanically bonded to configurated aluminum fins. Design for 300 psi working pressure.
Drain Pans: Construct of galvanized steel. Insulate with polystyrene or polyurethane insulation. Provide drain connection.
Fans: Provide centrifugal forward curved double width wheels of reinforced fiberglass, in galvanized steel fan scrolls.
Motors: Provide motors with integral thermal overload protection. Run test motors at factory in assembled unit prior to shipping. Provide quickly detachable motor cords.

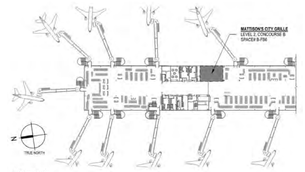
Filters:
Provide 1" thick throwaway type filters in fiberboard frames. Provide hinged access for filter removal.

High Static Fan: Provide high static motor for ducted fancoil applications.
Condensate Overflow: Provide secondary drain pan with level alarm which will shut unit and alarm system of condensate overflow.
Control Options:
BAS interface requirements.
Provide factory mounted shut-off valves, manual circuit setter, unions and strainer.
Accessories: Provide the following accessories as indicated and/or scheduled:
Provide a multi-directional louvered supply grille/outlet that can be adjusted in the field for desired airflow direction.
Manufacturer: Subject to compliance with requirements, provide fan-coil units of one of the following:
Carrier Corp.
Daikin
Trane (The) Co.
International Environmental Corporation
Enviro-Tec

Consultant

KLH ENGINEERS
KOHRS LONNEMANN HEIL ENGINEERS, INC.
MECHANICAL/ELECTRICAL ENGINEERS
WWW.KLHENGRS.COM
1538 ALEXANDRIA PIKE, SUITE 11 FT. THOMAS, KENTUCKY 41075 800-354-9783 859-442-8050 859-442-8058 FAX
LEXINGTON, KENTUCKY LOUISVILLE, KENTUCKY COLUMBUS, OHIO NEW YORK, NEW YORK

Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

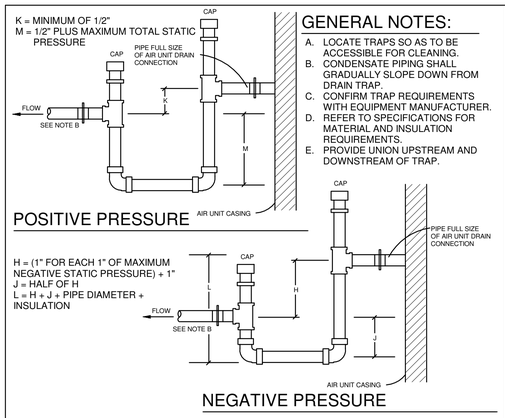
Client/Project Logo
Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille
Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
MECHANICAL SPECIFICATIONS

Project No.
Scale
Revision
Drawing No.
M-402

1/16/2025 1:36:19 PM
ORIGINAL SHEET - ARCH D



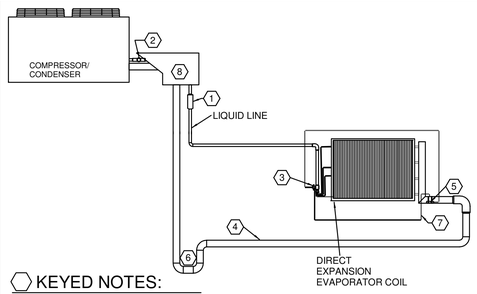
GENERAL NOTES:

A. LOCATE TRAPS SO AS TO BE ACCESSIBLE FOR CLEANING.
B. CONDENSATE PIPING SHALL GRADUALLY SLOPE DOWN FROM DRAIN TRAP.
C. CONFIRM TRAP REQUIREMENTS WITH EQUIPMENT MANUFACTURER.
D. REFER TO SPECIFICATIONS FOR MATERIAL AND INSULATION REQUIREMENTS.
E. PROVIDE UNION UPSTREAM AND DOWNSTREAM OF TRAP.

NOTE: OUTDOOR UNITS AND UNITS LOCATED IN UNCONDITIONED SPACES WHICH PROVIDE COOLING IN THE WINTER MUST HAVE HEAT TRACE ON THE CONDENSATE PIPING.

232113.23-05 - CONDENSATE DRAIN TRAP POSITIVE & NEGATIVE

SCALE: NONE



KEYED NOTES:

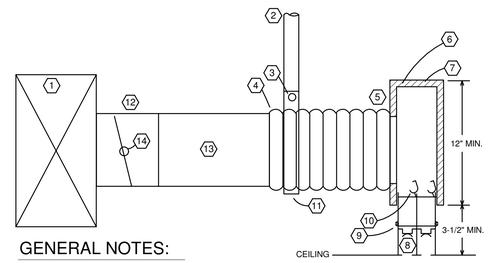
1. FIELD SUPPLIED FILTER DRIER, UNLESS PROVIDED INTERNALLY BY THE EQUIPMENT MANUFACTURER.
2. SIGHT GLASS
3. EXPANSION VALVE
4. SUCTION LINE W/FLEXIBLE CLOSED CELL ELASTOMER INSULATION
5. EXPANSION VALVE THERMAL BULB
6. TRAP FOR LONG VERTICAL RUNS (PER MFG. RECOMMENDATIONS)
7. EXPANSION VALVE EQUALIZER LINE
8. PROVIDE APPROPRIATELY SIZED DOG HOUSE CONSTRUCTION FOR ROOF PENETRATIONS.

GENERAL NOTES:

A. PIPE SIZES SHALL BE PER MFGR'S RECOMMENDATIONS.
B. PROVIDE 4" CONCRETE PAD ALL EXTERIOR UNITS ON GRADE.
C. PIPING LAYOUT AND CONFIGURATION SHALL BE INSTALLED PER MFGR'S RECOMMENDATIONS.
D. REFRIGERANT SPECIALTIES ARE SHOWN FOR SCHEMATIC PURPOSES ONLY AND SHALL BE COORDINATED PER MFGR'S INSTALLATION INSTRUCTIONS.
E. PROVIDE LOCKING-TYPE TAMPER RESISTANT CAPS ON ALL OUTDOOR REFRIGERANT CIRCUIT ACCESS PORTS.

232313.00-03 - REFRIGERANT PIPING A

SCALE: NONE



GENERAL NOTES:

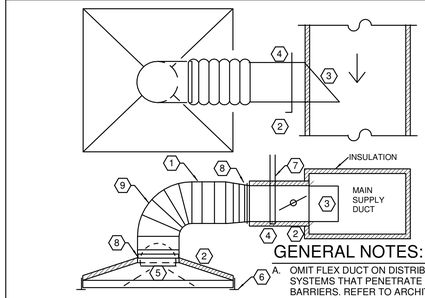
A. WHERE LINEAR DIFFUSER IS ADJACENT TO WINDOWS, ADJUST PATTERN CONTROLLER TO DIRECT AIRFLOW HORIZONTALLY TOWARDS WINDOWS.

KEYED NOTES:

1. LOW PRESSURE SUPPLY DUCT
2. 1" WIDE BAND AND CLAMP
3. SHEET METAL SCREW
4. INSULATED FLEX. DUCT MAX LENGTH 5'-0" ABOVE ACCESSIBLE CEILINGS ONLY.
5. PEEL BACK INSULATION AND PROVIDE STRAPPING AND SHEET METAL SCREWS AT FLEX CONNECTION TO DUCT. THEN PROVIDE STRAPPING AROUND INSULATION
6. SHEET METAL PLENUM
7. 1/2" ACOUSTICAL LINING
8. PATTERN CONTROLLER
9. SCREWS, MIN 6" ON CENTER & SEAL AIRTIGHT, TYP, BOTH SIDES
10. VOLUME ADJUSTER
11. BAND CLAMP MAXIMUM SAG 1/2" PER FOOT BETWEEN SUPPORT BRACING
12. TAKE-OFF SPIN-IN FITTING WITH ADJUSTABLE MANUAL DAMPER. LOCATE ABOVE ACCESSIBLE CEILING OR PROVIDE ACCESS PANEL BELOW DAMPER.
13. SHEET METAL BRANCH DUCT
14. MANUAL VOLUME DAMPER

233713.00-14 - PLENUM-LINEAR DIFFUSER

SCALE: NONE



GENERAL NOTES:

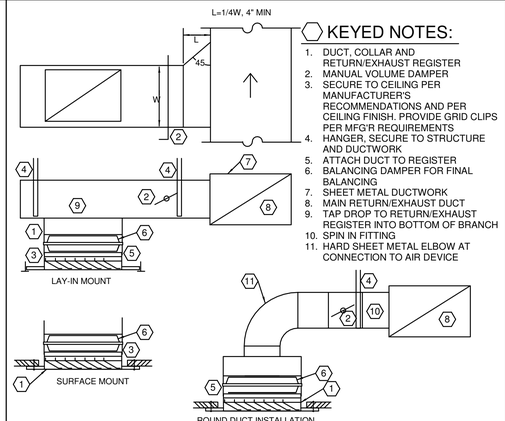
A. OMIT FLEX DUCT ON DISTRIBUTION SYSTEMS THAT PENETRATE 1-HR FIRE BARRIERS. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIRE BARRIERS.

KEYED NOTES:

1. MAXIMUM LENGTH OF INSUL. FLEX DUCT EQUALS 5 FEET. FLEX NOT PERMITTED IN INACCESSIBLE CEILINGS
2. INSULATED DUCT, COLLAR AND DIFFUSER BY HVAC CONTRACTOR
3. SCOOP
4. SPIN IN FITTING WITH MANUAL VOLUME DAMPER
5. INTERNAL BUTTERFLY DAMPER FOR DRYWALL APPLICATIONS ONLY. (PROVIDE KEY FOR ADJUSTMENT)
6. SECURE TO CEILING PER MANUFACTURER'S RECOMMENDATIONS AND PER CEILING FINISH. PROVIDE GRID CLIPS PER MFG'R REQUIREMENTS. PROVIDE FRAMING FOR DRYWALL INSTALLATION.
7. HANGER, SECURE TO STRUCTURE AND DUCTWORK
8. PEEL BACK INSULATION AND PROVIDE STRAPPING AND SHEET METAL SCREWS AT FLEX CONNECTION TO DUCT. THEN PROVIDE STRAPPING AROUND INSULATION
9. SUPPORT FLEX TO PREVENT COLLAPSING

233713.00-04 - DIFFUSER INSTALLATION TYPICAL

SCALE: NONE

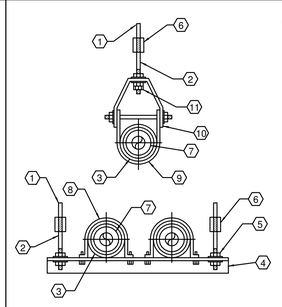


KEYED NOTES:

1. DUCT, COLLAR AND RETURN/EXHAUST REGISTER
2. MANUAL VOLUME DAMPER
3. SECURE TO CEILING PER MANUFACTURER'S RECOMMENDATIONS AND PER CEILING FINISH. PROVIDE GRID CLIPS PER MFG'R REQUIREMENTS
4. HANGER, SECURE TO STRUCTURE AND DUCTWORK
5. ATTACH DUCT TO REGISTER
6. BALANCING DAMPER FOR FINAL BALANCING
7. SHEET METAL DUCTWORK
8. MAIN RETURN/EXHAUST DUCT
9. TAP DROP TO RETURN/EXHAUST REGISTER INTO BOTTOM OF BRANCH
10. SPIN IN FITTING
11. HARD SHEET METAL ELBOW AT CONNECTION TO AIR DEVICE

233713.00-21 - RETURN/EXHAUST REGISTER INSTALLATION

SCALE: NONE



KEYED NOTES:

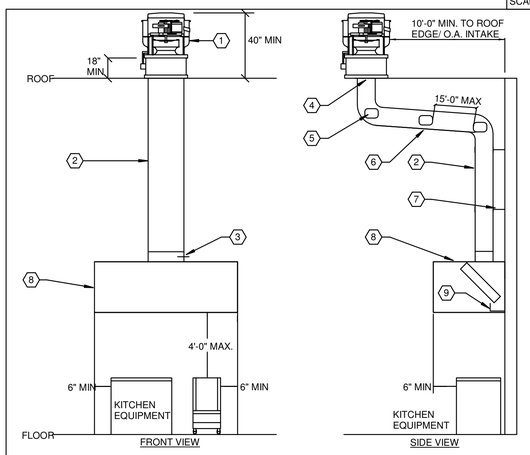
1. CONNECT TO STRUCTURE TYP.
2. GALVANIZED THREADED HANGER RODS, TYP. SEE SPECS.
3. INSULATION PROTECTIVE SADDLE, TYP.
4. 1-1/2" x 1-1/2" x 1/4" STEEL ANGLE HANGER PRIME PAINTED.
5. PLATED BUT & WASHER TOP & BOTTOM,
6. TYP. VIBRATION ISOLATORS IN MECH. ROOMS, TYP.
7. INSULATION AS SPECIFIED, TYP.
8. REFER TO SPECS FOR CLAMP SPACING, TYP.
9. SADDLE
10. CLEVIS TYPE HANGER (PRIME PAINTED)
11. PLATED DOUBLE NUT AND WASHER

GENERAL NOTES:

A. IF HOT WATER PIPING IS ON THE SAME RACK AS OTHER PIPING, THE HOT WATER SHALL BE ON ROLLER SUPPORTS.
B. REGARDLESS OF WHAT IS INDICATED ON ANY FLOOR PLANS OR OTHER DETAILS THE ACTUAL INSTALLATION OF ANY HYDRONIC PIPING SHALL CONFORM TO WHAT IS SHOWN BELOW

232113.23-14 - PIPE HANGERS TYPICAL

SCALE: NONE



KEYED NOTES:

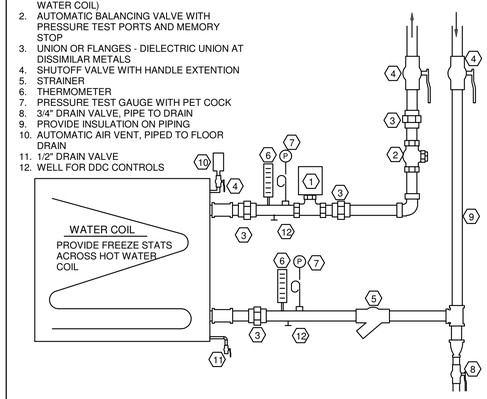
1. KITCHEN EXHAUST FAN U.L. LISTED FOR GREASE (SEE KITCHEN EXHAUSTER DETAIL). FAN MOTOR SHALL BE OUT OF AIRSTREAM. PROVIDE GREASE CUP AND DRAIN.
2. 16 GAUGE INSULATED WELDED BLACK IRON OR 18 GAUGE INSULATED WELDED STAINLESS STEEL. DUCTWORK WRAPPED WITH 2 LAYERS OF ZERO CLEARANCE DUCT WRAP (TYPICAL).
3. HEAT SENSOR IN EACH COLLAR INTERLOCKED TO VENTILATION SYSTEM.
4. FLANGED & GASKETED DUCT TO EXHAUST FAN CONNECTION.
5. CLEANOUT DOOR/LATCH (12"X12" MIN.) MADE OF 16 GAUGE WELDED BLACK IRON OR 18 GAUGE WELDED STAINLESS STEEL (TYPICAL).
6. MINIMUM 2% SLOPE TOWARD HOOD WITH CLEANOUTS A MINIMUM OF EVERY 15 FEET AND CHANGE IN DIRECTION.
7. GREASE DUCT SUPPORT IS TO BE SIZED, SPACED, AND INSTALLED BY CODE.
8. HOOD WITH ANSUL SYSTEM.
9. MAINTAIN 18" CLEARANCE TO COMBUSTIBLES.
10. GREASE DRIP TRAY.

GENERAL NOTES:

A. TYPE I HOOD SHALL BE STAINLESS STEEL, 18 GAUGE, WITH WELDED SEAMS AND UL 710 LISTED.
B. EXHAUST DUCT SHALL BE 16 GA. BLACK IRON OR 18 GA. STAINLESS STEEL, FINISH # 3, WITH CONTINUOUS LIQUID TIGHT WELDED JOINTS AND SEAMS.
C. AIR VELOCITY SHALL BE PER CODE AND AHJ.
D. PROVIDE INSULATION WRAP EQUAL TO 3M "FIRE MASTER DUCT WRAP" WITH UL LISTINGS OF 723, 1978, AND 1479.
E. INSULATION SHALL BE A LIGHTWEIGHT, NON-ASBESTOS, HIGH TEMPERATURE, INORGANIC, CERAMIC FIBER BLANKET TOTALLY ENCAPSULATED IN FOIL/SCRIM HAVING A SERVICE TEMPERATURE RANGE UP TO 2300 DEGREE F.
F. INSULATION SHALL BE A 2-HOUR FIRE RESISTIVE RATED GREASE AIR DUCT ENCLOSURE AS A SHAFT ALTERNATIVE AND A METHOD FOR PROVIDING ZERO INCH CLEARANCE AROUND COMMERCIAL KITCHEN GREASE DUCT EXHAUST SYSTEMS TO COMBUSTIBLE MATERIALS.
G. ALUMINUM GREASE FILTER WITH TROUGH, SHALL BE INSTALLED IN THE HOOD IN COMPLIANCE WITH CODE. FILTERS SHALL BE MOUNTED AT AN ANGLE OF 45 DEGREES MINIMUM.
H. PROVIDE STAINLESS STEEL ENCLOSURE PANEL BETWEEN TOP OF KITCHEN HOOD AND CEILING, PER LOCAL CODE REQUIREMENTS.

233813.00-04 - KITCHEN HOOD DETAIL UP BLAST

SCALE: NONE

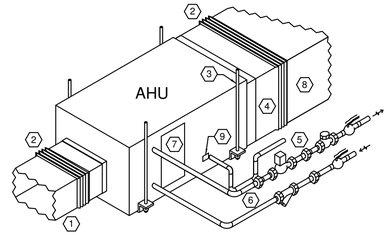


KEYED NOTES:

1. 2-WAY MODULATING TEMPERATURE CONTROL VALVE (FAIL OPEN THRU HOT WATER COIL)
2. AUTOMATIC BALANCING VALVE WITH PRESSURE TEST PORTS AND MEMORY STOP
3. UNION OR FLANGES - DIELECTRIC UNION AT DISSIMILAR METALS
4. SHUTOFF VALVE WITH HANDLE EXTENTION
5. STRAINER
6. THERMOMETER
7. PRESSURE TEST GAUGE WITH PET COCK
8. 3/4" DRAIN VALVE, PIPE TO DRAIN
9. PROVIDE INSULATION ON PIPING
10. AUTOMATIC AIR VENT, PIPED TO FLOOR DRAIN
11. 1/2" DRAIN VALVE
12. WELL FOR DDC CONTROLS

232113.23-17 - WATER COIL PIPING DIAGRAM 2-WAY

SCALE: NONE



KEYED NOTES:

1. INSULATED SUPPLY DUCT
2. FLEXIBLE CONNECTION
3. GALVANIZED ALL-THREAD ROD WITH VIBRATION ISOLATOR (TYPICAL) ATTACHED TO STRUCTURE
4. FILTER RACK AND ACCESS DOOR
5. CONDENSATE LINE WITH TRAP
6. CHILLED WATER PIPE. COPPER , MINIMUM 1" INSULATION WITH TWO WAY CONTROL VALVE, BALANCING VLAVE WITH PRESSURE TEST PORTS, ISOLATION VALVES, STRAINER AND UNIONS.
7. SERVICE ACCESS PANEL
8. RETURN DUCT 1/2" ACOUSTIC LINING (MINIMUM OF 10')
9. HIGH WATER ALARM IN CONDENSATE DRAIN PAN. WIRE TO BREAK 24 VOLT CONTROL POWER IN THE CASE OF A HIGH WATER EVENT.

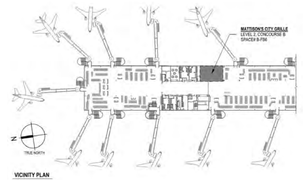
238219.00-01 - AIR HANDLING UNIT CHILLED WATER

SCALE: NONE

Consultant

KLH ENGINEERS
KOHRS LONNEMANN HEIL ENGINEERS, INC.
MECHANICAL/ELECTRICAL ENGINEERS
WWW.KLHENGRS.COM
1538 ALEXANDRIA PIKE, SUITE 11 — LEXINGTON, KENTUCKY
FT. THOMAS, KENTUCKY 41075 — LOUISVILLE, KENTUCKY
800-354-9783 859-442-8050 — COLUMBUS, OHIO
859-442-8058 FAX — NEW YORK, NEW YORK

Notes



Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

MECHANICAL DETAILS

Project No.

Scale
1/8" = 1'-0"

Revision

Drawing No.
M-501

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ORIGINAL SHEET - ARCH D

FOR QUESTIONS, CALL THE
Western Ohio Mechanical
REGION 133
PHONE: (513) 275 - 4986
EMAIL: reg133@captivealre.com

HOOD INFORMATION - JOB#6846865

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)							HOOD CONSTRUCTION	HOOD CONFIG	
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP		END TO END	ROW
1	KH-L	6024 ND-2	CAPTIVEAIRE	7' 9"	600 DEG	I	HEAVY	190	1475			4"	12"	1475	1878	-0.916"	430 SS WHERE EXPOSED	LEFT	ALONE
2	KH-R	6024 ND-2	CAPTIVEAIRE	7' 9"	600 DEG	I	HEAVY	226	1750			3"	14"	1750	1637	-0.976"	430 SS WHERE EXPOSED	RIGHT	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY	TYPE	WIRE GUARD	UTILITY CABINET(S) LOCATION	SIZE	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1	KH-L	CAPTRATE SOLO FILTER	5	16"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO	LEFT	12"x60"x24"	TANK FS	4.0/4.0	SC-310110MA	1 LIGHT 1 FAN	YES	860 LBS
2	KH-R	CAPTRATE SOLO FILTER	5	16"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO							YES	485 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	KH-L	FIELD WRAPPER 6.00" HIGH FRONT, LEFT.
		BACKSPLASH 110.00" HIGH X 216.00" LONG 430 SS VERTICAL.
		BALANCE DAMPERS.
		INSULATION FOR TOP OF HOOD.
		STRUCTURAL FRONT PANEL.
		INSULATION FOR BACK OF HOOD.
		RISER SENSOR INSTALL 6IN PLEN.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
2	KH-R	FIELD WRAPPER 6.00" HIGH FRONT, RIGHT.
		RIGHT SIDESPLASH 110.00" HIGH X 78.00" LONG 430 SS VERTICAL.
		BALANCE DAMPERS.
		INSULATION FOR TOP OF HOOD.
		STRUCTURAL FRONT PANEL.
		INSULATION FOR BACK OF HOOD.

(S) GREASE DUCT & CHIMNEY SPECIFICATIONS:
PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE.
PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12". DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

CAPTIVEAIRE SYSTEMS RECOMMENDS THE USE OF LISTED, PRE-FABRICATED ROUND GREASE EXHAUST DUCT TO REDUCE STATIC PRESSURE IN THE SYSTEM, MINIMIZE INSTALLATION AND INSPECTION TIMES, AND ENSURE DUCT IS LIQUID TIGHT

HVAC DISTRIBUTION NOTE

HIGH VELOCITY DIFFUSERS OR HVAC RETURNS SHOULD NOT BE PLACED WITHIN TEN (10) FEET OF THE EXHAUST HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

VERIFY CEILING HEIGHT

___' - ___"

HEIGHT REQUIRED TO VERIFY THAT HOOD FITS SPACE AND TO SIZE THE ENCLOSURE PANELS

CUSTOMER APPROVAL TO MANUFACTURE:

APPROVED AS NOTED ☐
APPROVED WITH NO EXCEPTION TAKEN ☐
REVISE AND RESUBMIT ☐
SIGNATURE _____
YOUR TITLE _____ DATE _____

SPECIFICATION: CAPTRATE® GREASE-STOP® SOLO FILTER

THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

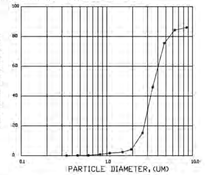
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

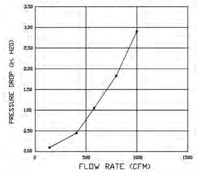
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

EFFICIENCY VS. PARTICLE DIAMETER

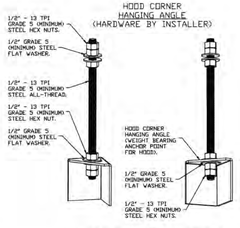


PRESSURE DROP VS. FLOW RATE



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
NFPA #96.
NSF STANDARD #2.
UL STANDARD #1046.
INT. MECH. CODE (IMC).
ULC-S649.

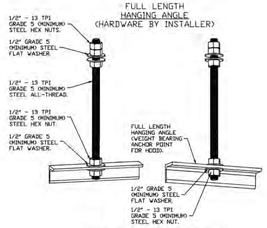
HOOD CORNER HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

FULL LENGTH HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

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SYSTEM DESIGN VERIFICATION (SDV)

IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. TYPICALLY, THE SDV WILL BE PERFORMED AFTER ALL INSPECTIONS ARE COMPLETE.

ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE. THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE. IF CAS SERVICE HAS TO RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK. SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP CHARGES.

DURING THE SDV, CAS SERVICE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER. SHOULD A RETURN TRIP BE REQUIRED, THE GENERAL CONTRACTOR AND APPROPRIATE SALES OFFICE WILL BE NOTIFIED. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER DISCREPANCIES.

REVISIONS

	DESCRIPTION	DATE
1		
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Mattison's Grille - Sarasota Int Airport Rl
SARASOTA, FL, 34243

DATE: 7/31/2024
DWG.#: 6846865
DRAWN BY: grant.homan
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 1

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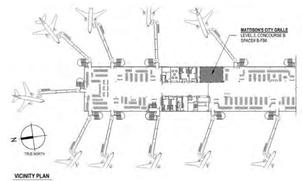
LEXINGTON, KENTUCKY LOUISVILLE, KENTUCKY COLUMBUS, OHIO NEW YORK, NEW YORK

Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16
Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
MECHANICAL HOOD DETAILS

Project No. | Scale
Revision | Drawing No.
M-502

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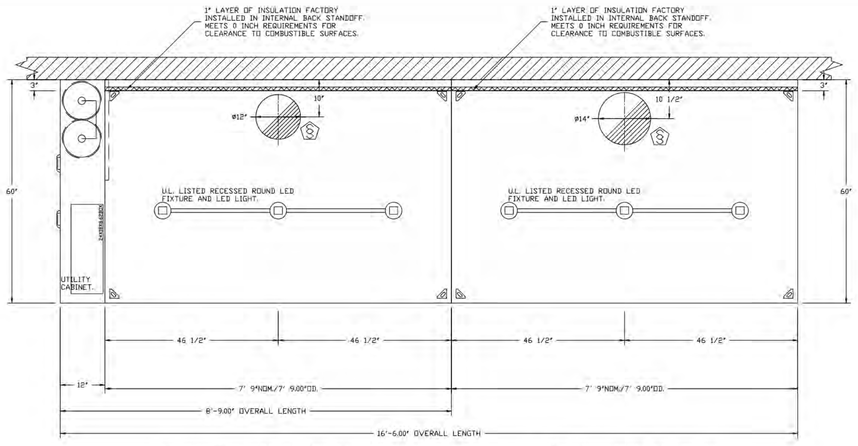
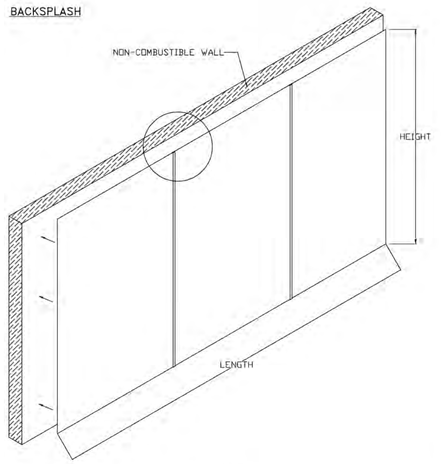
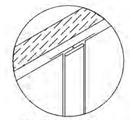
ORIGINAL SHEET - ARCH D



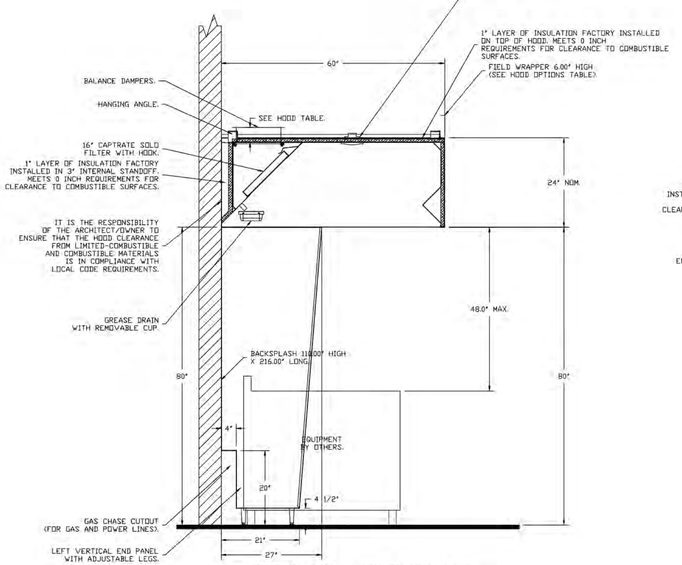
PLAN VIEW – HOOD #1 (KH-L)
7' 9.00" LONG 6024ND-2

PLAN VIEW – HOOD #2 (KH-R)
7' 9.00" LONG 6024ND-2

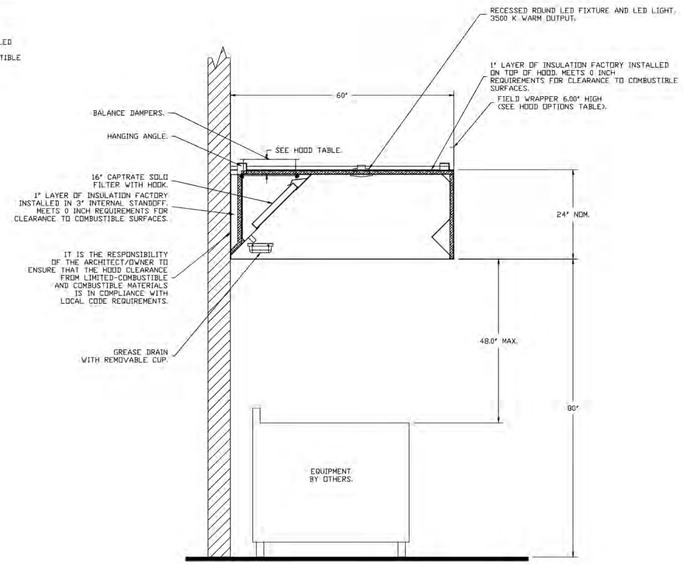




– BACKSPLASH IS NOT INSULATED AND IS UNSUITABLE FOR INSTALL AGAINST COMBUSTIBLE WALLS



SECTION VIEW – MODEL 6024ND-2
HOOD – #1 (KH-L)



SECTION VIEW – MODEL 6024ND-2
HOOD – #2 (KH-R)

REVISIONS

	DESCRIPTION	DATE
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Mattison's Grille – Sarasota Int Airport Rl
SARASOTA, FL, 34243

DATE: 7/31/2024

DWG.#: 6846865

DRAWN BY: granthoman

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 2

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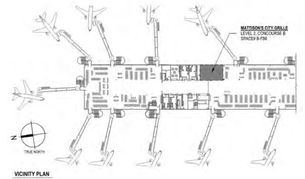

VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

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Client/Project Logo

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Mattison's City Grille

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PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
MECHANICAL HOOD DETAILS

Project No. | Scale

Revision | Drawing No.
M-503

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ORIGINAL SHEET - ARCH D

FIRE SYSTEM INFORMATION – JOB#6846865

FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN FP	INSTALLATION	
						SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0/4.0	40	38	FIRE CABINET LEFT	LEFT, HOOD 1

GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1		SC ELECTRICAL	2.000	CAPTIVEAIRE SYSTEMS

FIRE SYSTEM PARTS LIST KEY

FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1		0 - 0 - TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - 12-F28021-32144-DT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F. (A0034310).	2	0
		0 - 0 - 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	2	0
		0 - 0 - 4429K422 1/2" X 1/4" BRASS REDUCING BUSHING.	1	0
		0 - 0 - 79525 1/2" 90 PRO-PRESS ELBOW WITH 1/2" NPT FEMALE CONNECTION, VIEGA.	1	0
		0 - 0 - 79580 1/2" X 1/2" PRO-PRESS TEE X 1/2" NPT FEMALE CONNECTION, VIEGA.	2	0
		0 - 0 - 87-120042-001 SECONDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-120045-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5" BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	2	0
		0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	8	0
		0 - 0 - 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	4	0
		0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0
		0 - 0 - A31484 1/4" NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4" FLARE X 1/4" MPT HALF UNION. USED ON TANK SERVICE PORT.	1	0
		0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - SLPCON-03FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 2' GAP. KIT CONTAINS 5 FEET OF BLACK MG WIRE, 5 FEET OF TAN MG WIRE, 3 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	1	0
		0 - 0 - SLPCON-05FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 4' GAP. KIT CONTAINS 7 FEET OF BLACK MG WIRE, 7 FEET OF TAN MG WIRE, 5 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	1	0
		0 - 0 - SLPCON-20FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN HOODS WITH UPTO 19' GAP. KIT CONTAINS 22 FEET OF BLACK MG WIRE, 22 FEET OF TAN MG WIRE, 20 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	1	0
		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	6	0
		0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	2	0
		34 - 34 - A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT. RED COLOR.	1	0
		ADDITIONAL PARTS TO BE DETERMINED...		

REVISIONS

	DESCRIPTION	DATE
1		
2		
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Mattison's Grille - Sarasota Int Airport Rl
SARASOTA, FL, 34243

DATE: 7/31/2024

DWG.#: 6846865

DRAWN BY: grant.homan

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 3

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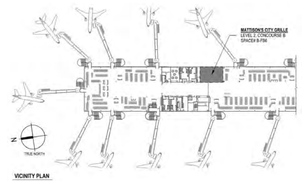

VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

MECHANICAL HOOD DETAILS

Project No. | Scale

Revision | Drawing No.

M-504

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ORIGINAL SHEET - ARCH D

EXHAUST FAN INFORMATION – JOB#6846865

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	KEF	1	DU200HFA	CAPTIVEAIRE	3225	2.150	1377	ODP,PREMIUM	5.000	2.5890	3	208	15.0	785 FPM	215	29.7

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL – DU/DR200HFA – INSTALLED AT PLANT – FOR GREASE DUCTS
		1	2 YEAR PARTS WARRANTY

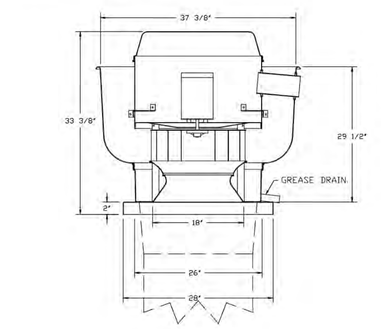
FAN ACCESSORIES

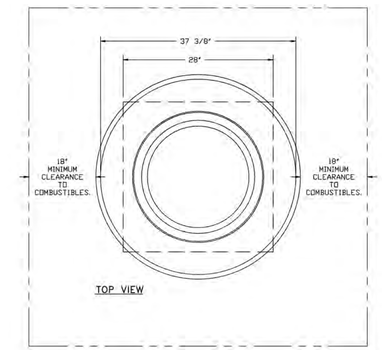
FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	KEF	YES						

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1		KEF-ADP	47 LBS	EXHAUST ADAPTER	FROM 33.500"SQ TO 26.500"SQ X 9.000"H.

FAN #1 DU200HFA – EXHAUST FAN (KEF)





TOP VIEW

FEATURES:

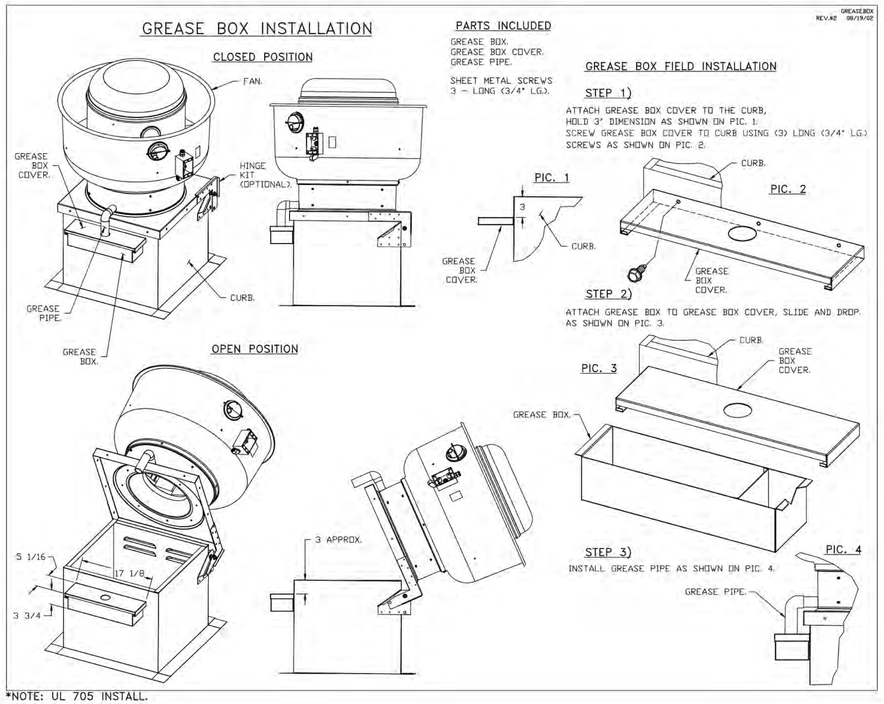
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 400°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS:

- GREASE BOX.
- FAN BASE CERAMIC SEAL – DU/DR200HFA – INSTALLED AT PLANT – FOR GREASE DUCTS.
- 2 YEAR PARTS WARRANTY.



*NOTE: UL 705 INSTALL.

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DRAWN BY: grant.homan

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 4

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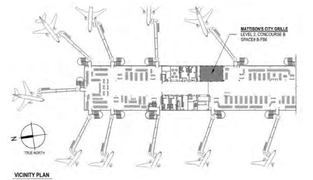

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M-505

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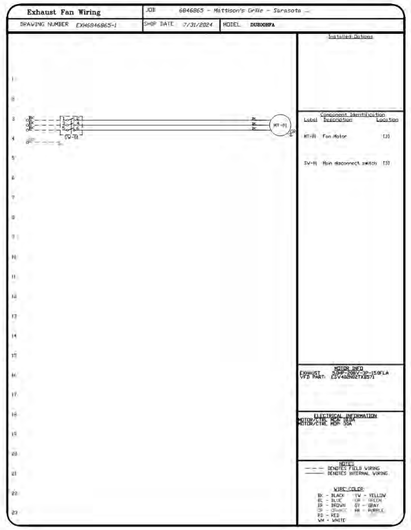
ORIGINAL SHEET - ARCH D



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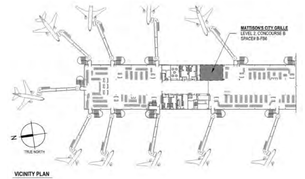
Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

MECHANICAL HOOD DETAILS

Project No.	Scale

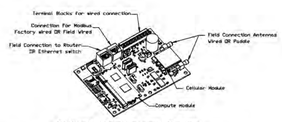
Revision	Drawing No.
	M-506

1/14/2025 1:36:27 PM

ORIGINAL SHEET - ARCH D

ELECTRICAL PACKAGE – JOB#6846865

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	Φ	HP	VOLT	FLA
1		SC-310110MA	UTILITY CABINET LEFT	UTILITY CABINET LEFT	1 LIGHT	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	KEF	EXHAUST	3	5.000	208	15.0
				HOOD # 1	1 FAN							



CASlink Monitor and Control

- Hood control panel is to support communications to cloud-based Building Management System.
- Hood Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list.
- Hood Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list.
- Hood Control Panel to allow cloud-based Building Management System to implement SYSTEM ECONOMIZER control strategies for fully integrated Building Management.

MONITORING AND CONTROL POINTS LIST

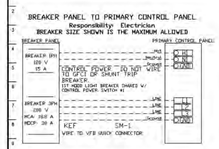
DCV Packages	Function
Room Temperature	MONITOR
Duct Temperature(s)	MONITOR
MUA Discharge Temperature	MONITOR
Kitchen RTU Discharge Temperature	MONITOR
Fan Speed	MONITOR
Fan Amperage	MONITOR
Fan Power	MONITOR
VFD Faults	MONITOR
Controller Faults	MONITOR
Fan Faults	MONITOR
Fan Status	MONITOR
PCU Faults	MONITOR
PCU Filter Clog Percentages	MONITOR
Fire Conditions	MONITOR
CORE Fire System	MONITOR
Building Pressures	MONITOR
Pump Time Duration	MONITOR & CONTROL
Fans Duration	MONITOR & CONTROL
Lights Duration	MONITOR & CONTROL
Wash Duration	MONITOR & CONTROL

VC Packages	Function
Room Temperature(s)	MONITOR
Duct Temperature(s)	MONITOR
MUA Discharge Temperature	MONITOR
Kitchen RTU Discharge Temperature	MONITOR
Controller Faults	MONITOR
Fan Faults	MONITOR
Fan Status	MONITOR
PCU Faults	MONITOR
PCU Filter Clog Percentages	MONITOR
Fire Conditions	MONITOR
CORE Fire System	MONITOR
Building Pressures	MONITOR
Fans Duration(s)	MONITOR & CONTROL
Lights Duration(s)	MONITOR & CONTROL
Wash Button	MONITOR & CONTROL

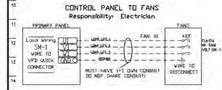
JOB NO 6846865 | MODEL NUMBER SC-310110MA | JOB NAME Mattison's Grille – Sarasota … | Drawn BY | DATE 7/31/2024 | SUBMITTAL TYPE INSTALL ECP #1-2

DESCRIPTION OF OPERATION:
System as named above. Exhaust fans, MUA, Temperature sensor, shipped loose for field installation, BOOSTER SUITE 3. Fuels: motor required for use with VFD.

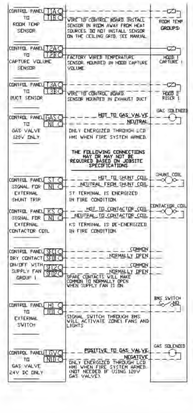
BREAKER PANEL TO PRIMARY CONTROL PANEL
Responsibility: Electrician
BREAKER SIZE SHOWN IS THE MAXIMUM ALLOWED



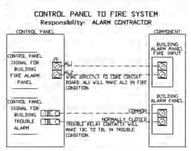
CONTROL PANEL TO FANS
Responsibility: Electrician



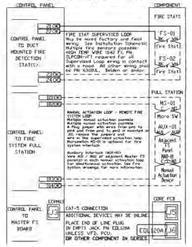
CONTROL PANEL TO ACCESSORY ITEMS
Responsibility: Electrician



CONTROL PANEL TO FIRE SYSTEM
Responsibility: ALARM CONTRACTOR

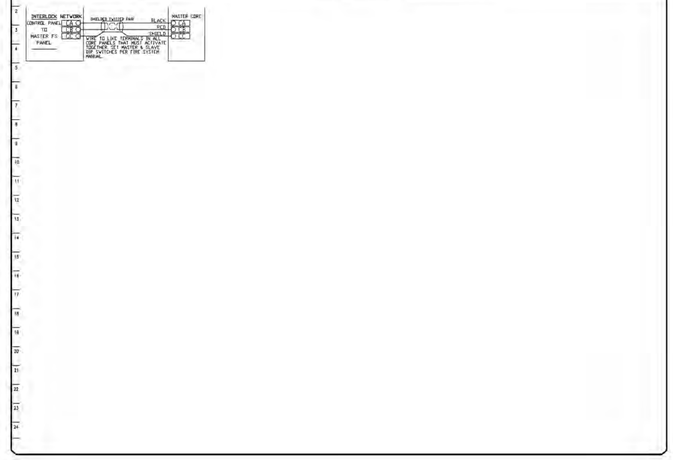


CONTROL PANEL TO FIRE SYSTEM
Responsibility: CERTIFIED INSTALLER



JOB NO 6846865 | MODEL NUMBER SC-310110MA | JOB NAME Mattison's Grille – Sarasota … | Drawn BY | DATE 7/31/2024 | SUBMITTAL TYPE INSTALL ECP #1-2

DESCRIPTION OF OPERATION:
System as named above. Exhaust fans, MUA, Temperature sensor, shipped loose for field installation, BOOSTER SUITE 3. Fuels: motor required for use with VFD.



JOB NO 6846865 | MODEL NUMBER SC-310110MA | JOB NAME Mattison's Grille – Sarasota … | Drawn BY | DATE 7/31/2024 | SUBMITTAL TYPE INSTALL ECP #1-2

DESCRIPTION OF OPERATION:
System as named above. Exhaust fans, MUA, Temperature sensor, shipped loose for field installation, BOOSTER SUITE 3. Fuels: motor required for use with VFD.

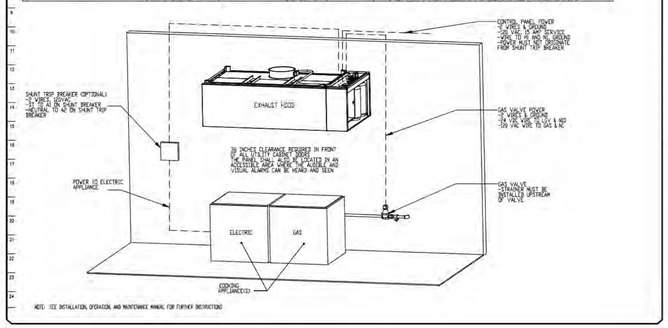
TANK PROTECTION ELECTRICAL DETAIL

02/16/2021 Rev. 2

FS-1: MASTER

ELECTRICAL:
1. WIRE MAIN CONTROL PANEL PER INCLUDED SCHEMATIC
2. WIRE ALL FANS PER INCLUDED SCHEMATIC
3. WIRE SHUNT TRIP BREAKER OPTIONAL
4. WIRE GAS APPLIANCE KILL SWITCH, IF EQUIPPED (OPTIONAL)
5. WIRE GAS VALVE

ELECTRICAL CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION IN DEVICE	VOLTAGE	AMPERAGE	COMMENTS
SHUNT TRIP BREAKER (OPTIONAL)	ST & N1	BREAKER (SF) 120 V & N2	120 VAC	1 A AMPS	ST TO A1 ON SHUNT BREAKER COIL, AND NEUTRAL TO A2 ON SHUNT TRIP BREAKER COIL
CONTROL PANEL POWER	N1 & N2 + SWITCHED	CIRCUIT BREAKER	120 VAC	15 AMPS	CONTROL PANEL POWER MUST NOT BE RUN THROUGH SHUNT TRIP BREAKER
GAS APPLIANCE KILL SWITCH (OPTIONAL)	KTS & A1	KTS & N1	120 VAC	1 A AMPS	KILL SWITCH TERMINALS MUST BE IN SERIES WITH OTHER KILL SWITCHES
REMOTE 120VAC ANGUL AUTOMAN (OPTIONAL)	AUL, AU2	SOLENOID	120 VAC	1 A AMPS	120V TO AUL, AU2 TO ANGUL ELECTRIC AUTOMAN, ANGUL SOLENOID TO NEUTRAL
GAS VALVE	24V & NEG OF 24 VDC/ AG & N1 OF 120 VAC	RED/RED/GREEN	24 VDC OR 120 VAC	1 A AMPS	IF 24 VDC – 2 WIRES & GROUND NOT TO EXCEED 3' AND 14AWG – 3 WIRES & GROUND (24V OR 120V N1 TO RED) AND SHOULD BE SHIELDED



NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

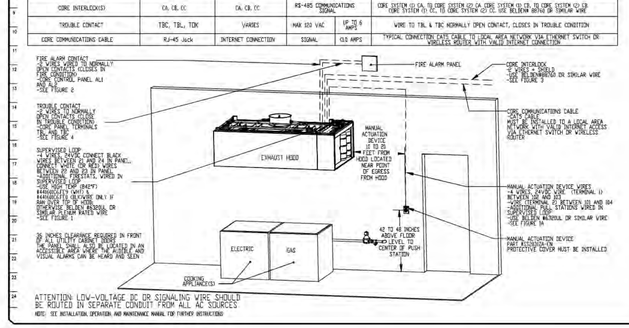
TANK PROTECTION LOW-VOLTAGE DETAIL

10/01/2023 Rev. 3

FS-1: MASTER

ALARM CONTRACTOR:
1. WIRE MANUAL ACTUATION DEVICE(S), REMOTE FIRESTAT(S), CORE INTERLOCK(S), FIRE SENSOR(S) AND FIRE ALARM CONTACTS
2. VERIFY FINAL FIRE SYSTEM TEST

ALARM CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION IN DEVICE	VOLTAGE	AMPERAGE	COMMENTS
MANUAL ACTUATION DEVICE(S)	SS AND SS2 SS1 AND SS3	1 & 2	24 VDC	< 1.0 AMPS	WIRE MANUAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS SS1 AND SS3 WIRE MANUAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS SS2 AND SS4 JUMPER SS1 TO SS2 AND SS3 TO SS4 AT LAST MANUAL ACTUATION DEVICE INSTALLED
MANUAL ACTUATION DEVICE COVER	N/A	N/A	N/A	N/A	MANUAL ACTUATION DEVICE COVER MUST BE INSTALLED OF BOMAY 24V MONITOR TO DEVICE EXTENSION TT-HOUSE
REMOTE FIRESTAT SENSOR(S)	SL AND SL SD AND SD	BLACK AND WHITE	24 VDC	< 1.0 AMPS	WIRE FIRE SENSOR STAT(S) BETWEEN CORE PANEL TERMINALS SD AND SD2 WIRE FIRE SENSOR STAT(S) BETWEEN CORE PANEL TERMINALS SL AND SL2 HIGH TEMP STAT SHOULD BE WIRED IN SERIES WITH THE FIRST FIRESTAT SENSOR IN THE LOOP. IF MORE FIRESTAT SENSORS ARE NEEDED, USE ADDITIONAL SENSOR WIRE PER FIGURE 1
FIRE ALARM CONTACT	ALI, AL2	VARIES	30V MAX AC/DC	UP TO 1 AMP	FIRE ALARM RELAY CONTACTS FOR BUILDING FIRE ALARM LOCATED IN THE CORE ELECTRICAL CONTROL PANEL
CORE INTERLOCK(S)	CA, CB, CC	CA, CB, CC	RS-485 COMMUNICATIONS SIGNAL		CORE SYSTEM I/O CA TO CORE SYSTEM I/O CA (CORE SYSTEM I/O CB TO CORE SYSTEM I/O CB) CORE SYSTEM I/O CC TO CC SEE BELOW DETAIL OF TERMINAL WIRE
TROUBLE CONTACT	TBC, TBL, TDK	VARIES	MAX 120 VAC	UP TO 6 AMPS	WIRE TO TBL & TBC NORMALLY OPEN CONTACT, CLOSES IN TROUBLE CONDITION
CORE COMMUNICATIONS CABLE	RJ-45 Jack	INTERNET CONNECTION	SIGNAL	CAT 6 AMPS	TYPICAL CONNECTION CAT6 CABLE TO LOCAL AREA NETWORK VIA ETHERNET SWITCH OR WIRELESS ROUTER WITH VALID INTERNET CONNECTION



ATTENTION: LOW-VOLTAGE DC DR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES
NOTE: SEE INSTALLATION, OPERATION AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

REVISIONS

DESCRIPTION	DATE
△	
△	
△	
△	

CAPTIVE-AIRE

Western Ohio Mechanical
11503 Springfield Pike, Cincinnati, OH - 45246 PHONE: (513) 275 - 4686 FAX: 9195168748 EMAIL: regi133@captiveaire.com
www.captiveaire.com

Mattison's Grille – Sarasota Int Airport R1
SARASOTA, FL, 34243

DATE: 7/31/2024

DWG.#: 6846865

DRAWN BY: grant.homan

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 6

Stantec

Consultant

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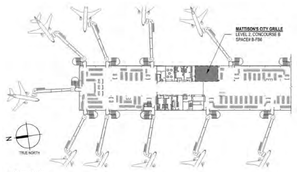
Notes



Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

MECHANICAL HOOD DETAILS

Project No. | Scale

Revision | Drawing No.

M-507

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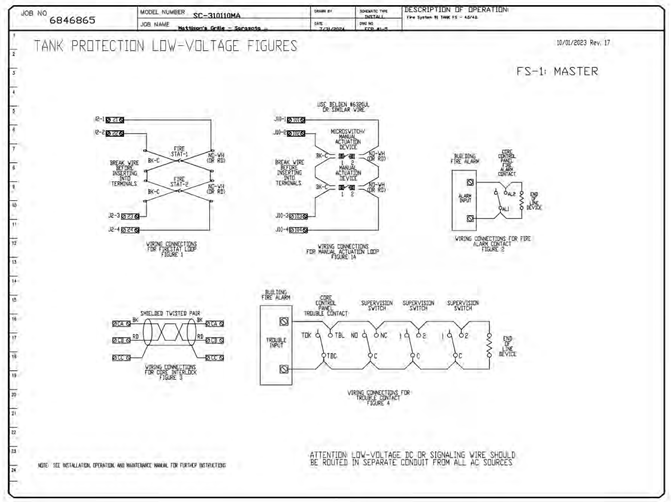
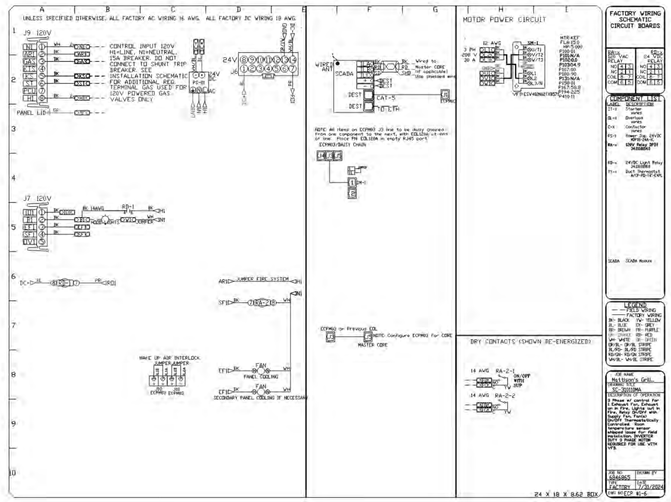
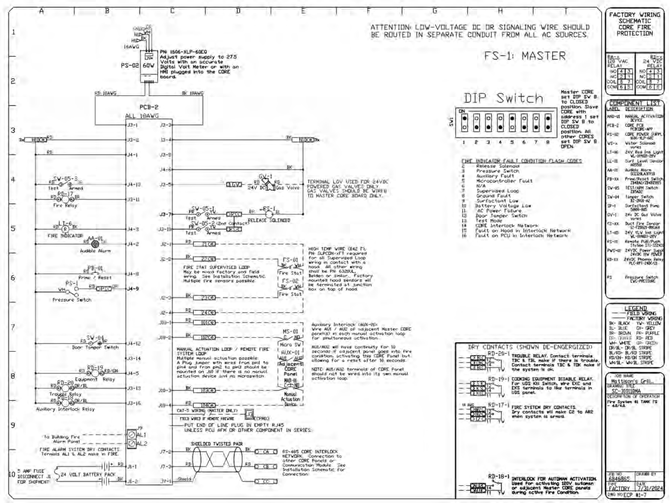
ORIGINAL SHEET - ARCH D







Stantec

11503 Springfield Pike, Cincinnati, OH, 45246 PHONE: (513) 275 - 4986 FAX: 9195168748 EMAIL: reg133@capitveaire.com
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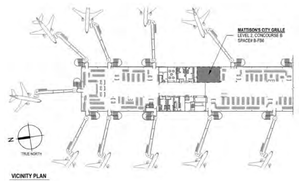

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ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

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File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

MECHANICAL HOOD DETAILS

Project No.	Scale
Revision	Drawing No. M-508

REVISIONS

	DESCRIPTION	DATE
1		
2		
3		
4		
5		

Mattison's Grille - Sarasota Int Airport R1
SARASOTA, FL, 34243

DATE: 7/31/2024
DWG.#: 6846865
DRAWN BY: grant.homan
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 7

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ORIGINAL SHEET - ARCH D

DUCTWORK #1 PARTS – JOB#6846865 DOUBLE WALL

TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
H1-E1	DW16DWRISER-2R-S	1475				-0.916	7.31	0.00	1	DOUBLE WALL RISER COVER - USED ON 12" INNER RISER, 4" LONG - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE 'V' CLAMPS FOR INNER & OUTER CONNECTIONS.
H2-E1	DW18DWRISER-2R-S	1750				-0.976	8.15	0.00	1	DOUBLE WALL RISER COVER - USED ON 14" INNER RISER, 4" LONG - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE 'V' CLAMPS FOR INNER & OUTER CONNECTIONS.
P1	DW1290DWASY-2R-S	1475				-0.1698	27.16	1878.03	1	DOUBLE WALL DUCT - 12" INNER 90 DUCT - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL.
P2	DW1201DWOFFSETASY-2R-S	1475				-0.005	11.20	1878.03	1	DOUBLE WALL DUCT - 12" INNER DUCT RISER & 1 DEGREE OFFSET - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL.
P3	DW1227DWAJD-2R-S	1475				-0.008	45.95	1878.03	1	DOUBLE WALL ADJUSTABLE DUCT - 12" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 24.5" / ADJUSTMENT = 13.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL 'V' CLAMPS.
P4	DW1218DWRNDADPEC2ASY21-2R-S	1475				-0.175	38.84	1878.03	1	DOUBLE WALL DUCT ECCENTRIC - 12" X 18" RND2RND ADAPTER - 21" TALL - 2 LAYERS REDUCED CLEARANCE - 16" X 22" STAINLESS STEEL OUTER SHELL. STANDARD ADAPTER.
P5	DW18DWTEASY-2R-S	3225		1		-0.3274	55.68	1824.98	1	DOUBLE WALL DUCT - 18" INNER TEE DUCT - 2 LAYERS REDUCED CLEARANCE - 22" STAINLESS STEEL OUTER SHELL.
P6	DW1418DWRNDADPEC2ASY17-2R-S	1750				-0.036	32.30	1637.02	1	DOUBLE WALL DUCT ECCENTRIC - 14" X 18" RND2RND ADAPTER - 17" TALL - 2 LAYERS REDUCED CLEARANCE - 18" X 22" STAINLESS STEEL OUTER SHELL. STANDARD ADAPTER.
P7	DW1401DWOFFSETASY-2R-S	1750				-0.003	12.97	1637.02	1	DOUBLE WALL DUCT - 14" INNER DUCT RISER & 1 DEGREE OFFSET - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL.
P8	DW1447DWAJD-2R-S	1750				-0.016	93.18	1637.02	1	DOUBLE WALL ADJUSTABLE DUCT - 14" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL 'V' CLAMPS.
P9	DW1822SADKIT						7.25		1	DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 18" OD - INCLUDES UNI-STRUT CUT TO LENGTH, DW1822SAD, & HARDWARE BAG 4.
P10 ASSEMBLED W/P15	DW14DWTEASY-2R-S	1750		1		-0.1232	41.37	1637.02	1	DOUBLE WALL DUCT - 14" INNER TEE DUCT - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL.
P11	DW1447DWAJD-2R-S	1750				-0.014	93.18	1637.02	1	DOUBLE WALL ADJUSTABLE DUCT - 14" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL 'V' CLAMPS.
P12	DW1822SADKIT						7.25		1	DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 18" OD - INCLUDES UNI-STRUT CUT TO LENGTH, DW1822SAD, & HARDWARE BAG 4.
P13	DW1401DWOFFSETASY-2R-S	1750				-0.003	12.97	1637.02	1	DOUBLE WALL DUCT - 14" INNER DUCT RISER & 1 DEGREE OFFSET - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL.
P14	DW1490DWASY-2R-S	1750				-0.1348	33.30	1637.02	1	DOUBLE WALL DUCT - 14" INNER 90 DUCT - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL.
P15 ASSEMBLED W/P10 D=S	DW14DWACCDOORCOV-2R-S						22.25		1	DOUBLE WALL DUCT - 14" INNER ACCESS DOOR & 18" ACCESS DOOR COVER WITH CLAMPS - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL.
P16	DW1847DWAJD-2R-S	3225				-0.011	107.98	1824.98	1	DOUBLE WALL ADJUSTABLE DUCT - 18" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 22" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL 'V' CLAMPS.
P17	DW2226SADKIT						8.80		1	DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 22" OD - INCLUDES UNI-STRUT CUT TO LENGTH, DW2226SAD, & HARDWARE BAG 4.
P18	DW2226SADKIT						8.80		1	DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 22" OD - INCLUDES UNI-STRUT CUT TO LENGTH, DW2226SAD, & HARDWARE BAG 4.
P19	DW1890DWASY-2R-S	3225				-0.286	45.59	1824.98	1	DOUBLE WALL DUCT - 18" INNER 90 DUCT - 2 LAYERS REDUCED CLEARANCE - 22" STAINLESS STEEL OUTER SHELL.
P20	DW1847DWAJD-2R-S	3225				-0.008	107.98	1824.98	1	DOUBLE WALL ADJUSTABLE DUCT - 18" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 22" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL 'V' CLAMPS.
P21	DW2226SADKIT						8.80		1	DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 22" OD - INCLUDES UNI-STRUT CUT TO LENGTH, DW2226SAD, & HARDWARE BAG 4.
P22 ASSEMBLED W/P23	DW18DWTEASY-2R-S	3225		1		-0.208	55.68	1824.98	1	DOUBLE WALL DUCT - 18" INNER TEE DUCT - 2 LAYERS REDUCED CLEARANCE - 22" STAINLESS STEEL OUTER SHELL.
P23 ASSEMBLED W/P22 D=S	DW18DWACCDOORCOV-2R-S						26.16		1	DOUBLE WALL DUCT - 18" INNER ACCESS DOOR & 22" ACCESS DOOR COVER WITH CLAMPS - 2 LAYERS REDUCED CLEARANCE - 22" STAINLESS STEEL OUTER SHELL.
P24	DW1801DWOFFSETASY-2R-S	3225				-0.002	14.66	1824.98	1	DOUBLE WALL DUCT - 18" INNER DUCT RISER & 1 DEGREE OFFSET - 2 LAYERS REDUCED CLEARANCE - 22" STAINLESS STEEL OUTER SHELL.
P25	DW1847DWAJD-2R-S	3225				-0.012	107.98	1824.98	1	DOUBLE WALL ADJUSTABLE DUCT - 18" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 22" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL 'V' CLAMPS.
P26 ASSEMBLED W/P27	DW184550DWLTTP-2R-S	3225				-0.013	75.96	1824.98	1	DOUBLE WALL DUCT - 18" INNER DUCT, 45.5" LONG - 2 LAYERS REDUCED CLEARANCE - 22" STAINLESS STEEL OUTER SHELL - USED WITH TRANSITION PLATE.
P27 ASSEMBLED W/P26 D=B	DW2618TPDBEX	3225					9.00	1824.98	1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2" CURB TO 18" DUCT, 16 GA ALUMINIZED. USED ON NCA16FA / NCA16HPFA & NCA18FA / NCA18HPFA. TRANSITION PLATE OD IS 27.00" DESIGNED FOR USE WITH EXHAUST FAN.
SYSTEM AT P27						-2.1734	0.00			
P28	DW2226SADKIT						8.80		1	DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 22" OD - INCLUDES UNI-STRUT CUT TO LENGTH, DW2226SAD, & HARDWARE BAG 4.
P29	DW1620SADKIT						6.53		1	DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 16" OD - INCLUDES UNI-STRUT CUT TO LENGTH, DW1620SAD, & HARDWARE BAG 4.
RC1	DW16DWRISER-2R-S						7.31		1	DOUBLE WALL RISER COVER - USED ON 12" INNER RISER, 4" LONG - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
RC2	DW18DWRISER-2R-S						8.15		1	DOUBLE WALL RISER COVER - USED ON 14" INNER RISER, 4" LONG - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
	3M-2000PLUS						0.80		6	DUCT - 3M FIRE BARRIER 2000 PLUS SILICONE - USED AS SEALANT TO SEAL DUCT JOINTS.
	DW12DWCLASY-2R-S						6.44		1	DUCT - 12" DUCT - 16" DOUBLE 'V' CLAMP - 2R INSULATION & SINGLE 'V' CLAMP INCLUDED - REDUCED CLEARANCE.
	DW14DWCLASY-2R-S						7.21		2	DUCT - 14" DUCT - 18" DOUBLE 'V' CLAMP - 2R INSULATION & SINGLE 'V' CLAMP INCLUDED - REDUCED CLEARANCE.
	DW18DWCLASY-2R-S						8.70		3	DUCT - 18" DUCT - 22" DOUBLE 'V' CLAMP - 2R INSULATION & SINGLE 'V' CLAMP INCLUDED - REDUCED CLEARANCE.
TOTAL WEIGHT							1210.25			

REVISIONS

	DESCRIPTION	DATE
1		
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CAPTIVEAIRE
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11503 Springfield Pike, Cincinnati, OH, 45246 PHONE: (513) 275 - 4986 FAX: 9195168748 EMAIL: reg133@captiveaire.com
www.captiveaire.com

Mattison's Grille - Sarasota Int Airport RI
SARASOTA, FL, 34243

DATE: 7/31/2024

DWG.#: 6846865

DRAWN BY: grant.homan

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 8

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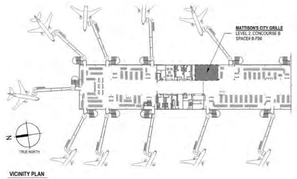
859-442-8058 FAX — NEW YORK, NEW YORK

Consultant

Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued

File Name: N/A	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
MECHANICAL HOOD DETAILS

Project No.

Scale

Revision

Drawing No.
M-509

1/16/2025 1:04:31 PM

ORIGINAL SHEET - ARCH D

DOUBLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

HORIZONTAL	
DUCT DIAMETER	SUPPORT SPACING (FT)
5"	7'
6"	7'
7"	7'
8"	7'
10"	7'
12"	7'
14"	7'
16"	7'
18"	5'
20"	5'
22"	5'
24"	5'
26"	5'
28"	5'
30"	5'
32"	5'
34"	5'
36"	5'

VERTICAL			
TYPE	WALL SUPPORT (FT)	CURB SUPPORT (FT)	FLOOR SUPPORT (FT)
2R & 2R HT (5"-16")	20'	24'	24'
2R (18")	18'	24'	24'
3R & 3Z (5"-24")	10'	24'	24'
3Z (26" -36")	10'	20'	20'

DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES. CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.

REVISIONS

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CAPTIVEAIRE
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www.captiveaire.com

Mattison's Grille - Sarasota Int Airport RI
SARASOTA, FL, 34243

DATE: 7/31/2024
DWG.#: 6846865
DRAWN BY: grant.homan
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 9

Stantec

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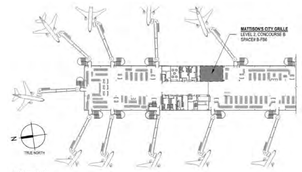
Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16
Issued	By	Appd	YYYY.MM.DD

File Name: N/A — Dwn. — Dsgn. — Chkd. — YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
MECHANICAL HOOD DETAILS

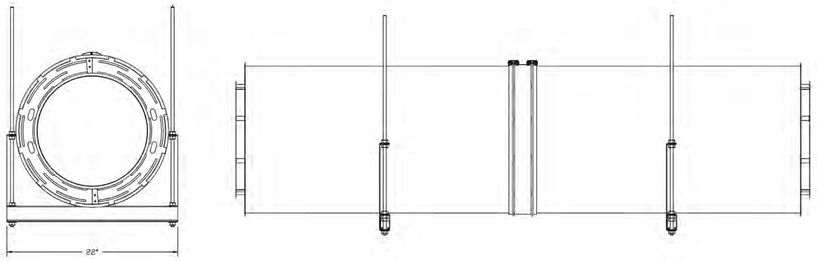
Project No. — Scale

Revision — Drawing No.
M-510

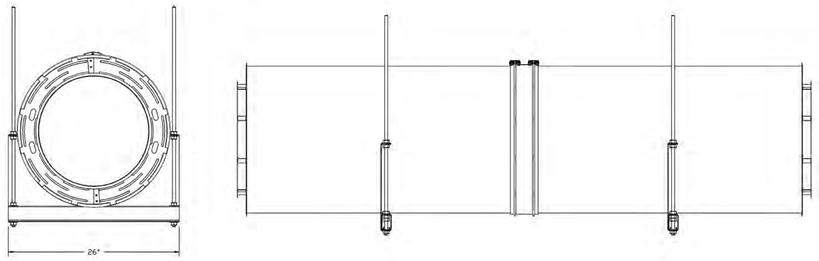
1/14/2025 1:36:29 PM
ORIGINAL SHEET - ARCH D

SUPPORT SYSTEM DETAILS #1

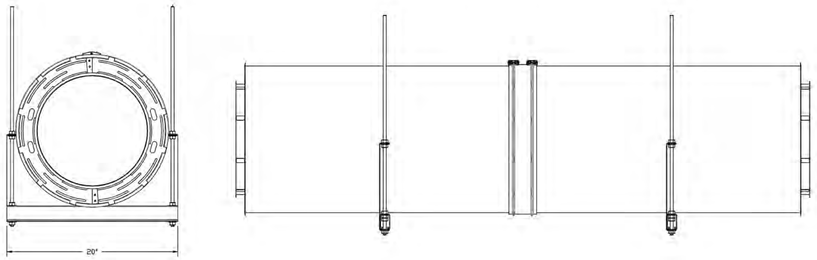
DW1822SADKIT - HORIZONTAL SUPPORTS



DW2226SADKIT - HORIZONTAL SUPPORTS



DW1620SADKIT - HORIZONTAL SUPPORTS



REVISIONS

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CAPITAVIA
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Mattison's Grille - Sarasota Int Airport RI
SARASOTA, FL, 34243

DATE: 7/31/2024

DWG.#: 6846865

DRAWN BY: grant.homan

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 10

Consultant

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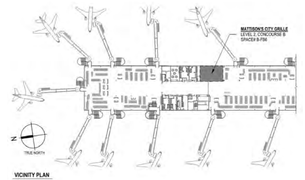

VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16
Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

MECHANICAL HOOD DETAILS

Project No. | Scale

Revision | Drawing No.

M-511

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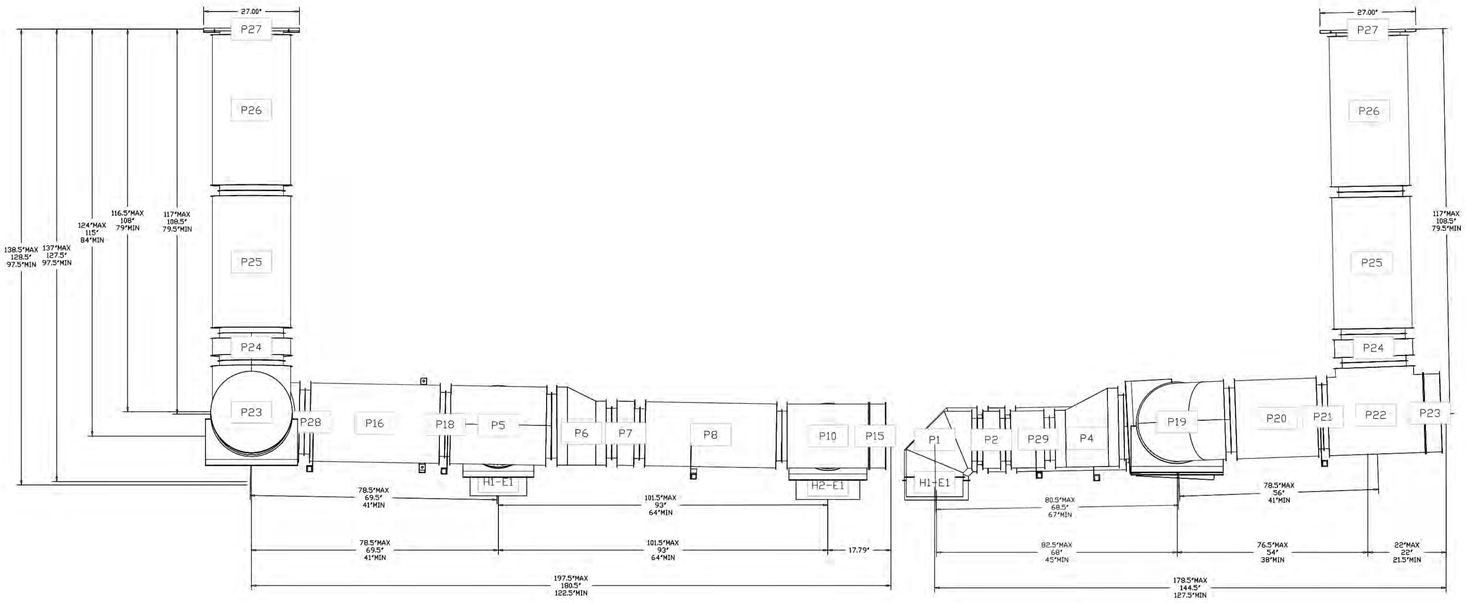
ORIGINAL SHEET - ARCH D

DUCTWORK #1 FRONT VIEW



DUCTWORK #1 SIDE VIEW

REVISIONS

	DESCRIPTION	DATE
1		
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CAPITAL WESTERN
www.capitalwestern.com
Waterloo Office Westerbrook Road
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11603 Springfield Pike, Cincinnati, OH, 45246 PHONE: (513) 275 - 4988 FAX: 9195168748 EMAIL: mg135@capitalwestern.com

Mattison's Grille - Sarasota Int Airport Rl
SARASOTA, FL, 34243

DATE: 7/31/2024

DWG.# 6846865

DRAWN BY: grantthomar

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 11

Consultant

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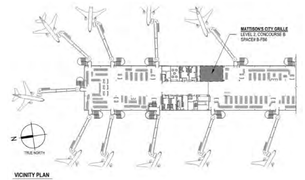


VICINITY PLAN

	Revision	By	Appd	
1	Rev 2 - Client Changes			2024.10.25
	ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

	Issued	By	Appd	
	File Name: N/A	Dwn.	Dsgn.	Chkd.

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

MECHANICAL HOOD DETAILS

Project No.

Scale

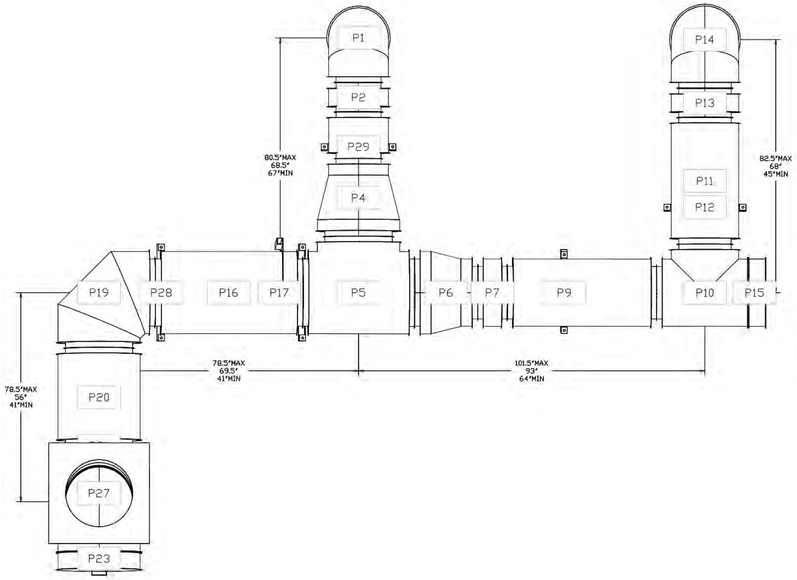
Revision 1

Drawing No. **M-512**

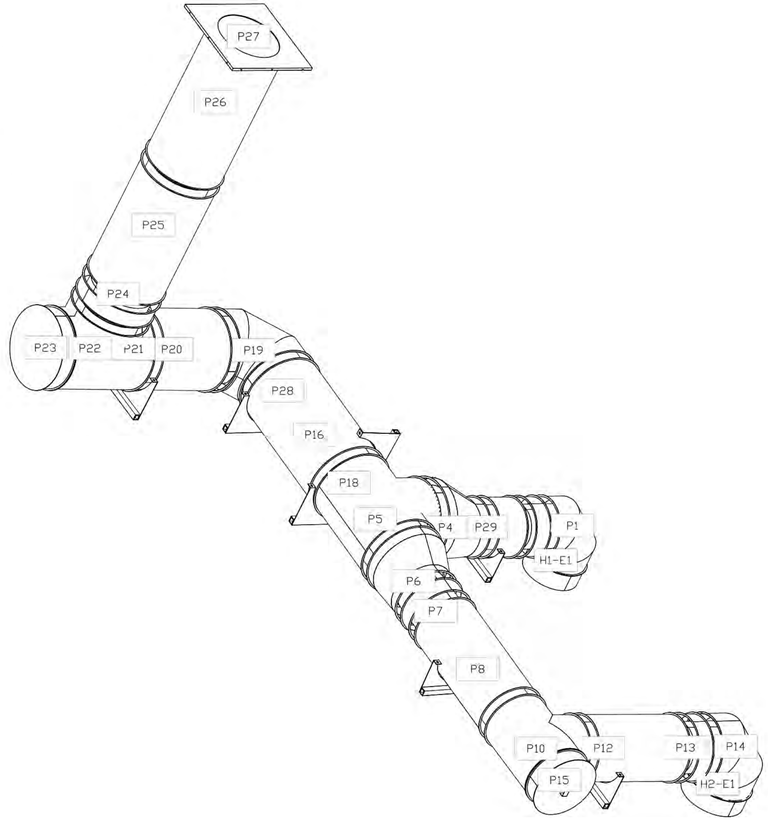
1/14/2025 1:56:54 PM

ORIGINAL SHEET - ARCH D

DUCTWORK #1 TOP VIEW



DUCTWORK #1 SE VIEW



REVISIONS

	DESCRIPTION	DATE
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Western @the Weekend

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Mattison's Grille - Sarasota Int Airport R1

SARASOTA, FL, 34243

DATE: 7/31/2024

DWG.#: 6846865

DRAWN BY: grant.homan

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 12

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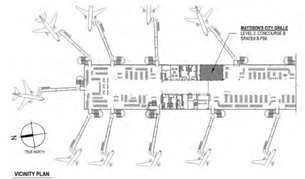

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

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File Name: N/A	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

MECHANICAL HOOD DETAILS

Project No. | Scale

Revision | Drawing No.

M-513

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ORIGINAL SHEET - ARCH D

HVAC FANS SCHEDULE

Equipment shall be braced and labeled by the equipment manufacturer to withstand the minimum scheduled available fault current value for listed equipment.

EQUIPMENT MARK	DESCRIPTION	STATUS	WEIGHT (lbs)	MANUFACTURER	MODEL	CFM (cfm)	ESP (in WC)	EMERGENCY	ELECTRIC CONNECTION SUMMARY	AVAILABLE FAULT CURRENT
KEF-1	HVAC FAN	NEW	215	CAPTIVEAIRE	DU200HFA	3225	2.15	NO	KEF-1 - 208V/3PH, 5 HP, 15A FLA	2299

HVAC DIFFUSERS AND REGISTERS SCHEDULE

TAG	MANUFACTURER	MODEL	FACE	MOUNTING	MATERIAL	FINISH	DAMPER TYPE	BORDER STYLE
CD-1	TITUS	OMNI-AA	24"x24"	CEILING	ALUMINUM	STANDARD WHITE	OPPOSED BLADE	LAY IN MOUNTING
CD-2	TITUS	PAS-AA	24"x24"	CEILING	ALUMINUM	STANDARD WHITE	(none)	LAY IN MOUNTING
CD-3	TITUS	OMNI-AA	20"x20"	CEILING	ALUMINUM	BLACK FINISH	OPPOSED BLADE	LAY-IN PANEL, PROVIDE FRAME FOR CEILING MOUNTING
CD-4	TITUS	OMNI-AA	24"x24"	CEILING	ALUMINUM	BLACK FINISH	OPPOSED BLADE	LAY IN MOUNTING
LD-1	TITUS	FL10-JT	4'-0"-(1) 1" SLOT	CEILING	ALUMINUM	STANDARD WHITE	OPPOSED BLADE	LAY-IN PANEL, PROVIDE FRAME FOR CEILING MOUNTING
RR-1	TITUS	350FL	24"x24"	CEILING	ALUMINUM	STANDARD WHITE	PARALLEL BLADE	LAY IN MOUNTING
RR-2	TITUS	350FL	24"x24"	CEILING	ALUMINUM	BLACK FINISH	PARALLEL BLADE	LAY IN MOUNTING

HVAC LOAD SCHEDULE

THE HEATING AND COOLING LOAD CALCULATIONS ARE BASED ON THE RTS (RADIANT TIME SERIES) METHOD. ASSUMPTIONS AND EXECUTION OF THESE METHODS ARE PER ASHRAE 183-2007 STANDARD FOR PEAK COOLING AND HEATING LOAD CALCULATIONS IN BUILDINGS EXCEPT LOW-RISE RESIDENTAL BUILDINGS.

COOLING LOAD BREAKDOWN

CROOF	SENSIBLE HEAT GAIN FROM ROOF
CWALL	SENSIBLE HEAT GAIN FROM EXTERIOR WALLS
CPART	SENSIBLE HEAT GAIN FROM PARITIONS
CGLASS	SENSIBLE HEAT GAIN FROM GLAZING
CSOLAR	SENSIBLE HEAT GAIN FROM SOLAR GAIN THROGH GLAZING
CLIGHTS	SENSIBLE HEAT GAIN FROM INTERIOR LIGHTING
CEQUIP	SENSIBLE HEAT GAIN FROM PLUG LOADS, COMPUTERS, ETC.
CPSENS	SENSIBLE HEAT GAIN FROM PEOPLE
CSSENS	TOTAL SENSIBLE HEAT GAIN TO SPACE
CFAN	SENSIBLE HEAT GAIN FROM AIR HANDLER FAN
COAS	SENSIBLE HEAT GAIN FROM OUTDOOR VENTILATION AIR
CTSENS	TOTAL SENSIBLE HEAT GAIN
CPLAT	LATENT HEAT GAIN FROM PEOPLE
COAL	LATENT HEAT GAIN FROM OUTDOOR VENTILATION AIR
CTLAT	TOTAL LATENT HEAT GAIN
CTOT	TOTAL HEAT GAIN (SENSIBLE + LATENT)

HEATING LOAD BREAKDOWN

HROOF	HEAT LOSS FROM ROOF
HWALL	HEAT LOSS FROM EXTERIOR WALLS
HPART	HEAT LOSS FROM PARTITIONS
HGLASS	HEAT LOSS FROM GLAZING
HSLAB	HEAT LOSS FROM SLAB
HSPACE	TOTAL HEAT LOSS FROM SPACE
HOA	HEAT LOSS FROM OUTDOOR VENTILATION AIR
HTOT	TOTAL HEAT LOSS

EQUIPMENT MARK	CROOF	CWALL	CPART	CGLASS	CSOLAR	CLIGHTS	CEQUIP	CPSENS	CSSENS	CFAN	COAS	CTSENS	CPLAT	COAL	CTLAT	CTOT	HROOF	HWALL	HPART	HGLASS	HSPACE	HSLAB	HOA	HTOT
FCU-1	1.03	0.39	0	0	0	3.66	34.55	1.39	41.03	0.6	0	41.63	2.38	0	2.38	44.01	1.03	0.64	0	0	1.67	0	0	1.67
FCU-2	0.87	0.36	0	2.01	13.67	3.07	4.71	10.34	40.98	0.6	0	41.58	6	0	6	47.58	0.87	0.58	0	4.98	6.42	0	0	6.42
FCU-3	1.5	0	0	1.01	6.83	5.32	13.04	11.15	41	0.6	0	41.6	7	0	7	48.6	1.5	0	0	2.3	3.8	0	0	3.8

HVAC ELECTRICAL COORDINATION SCHEDULE

ABBREVIATIONS

DC	LOCAL DISCONNECT
MC	MOTOR CONTROL (POWER)
SD	DUCT SMOKE DETECTOR
CN	CONTROLS
TS	TOGGLE SWITCH
C/B	H.A.C.R. CIRCUIT BREAKER AT SOURCE PANELBOARD
FUSE	FUSE AT LOCAL DISCONNECT (VERIFY FIELD RATING)
FLA	OPERATING FULL LOAD AMPS
MCA	MINIMUM CIRCUIT AMPACITY
CP	CORD AND PLUG CONNECTION
[BLANK]	HARD WIRED (WHEN INDICATED FOR DC TYPE)

CONTRACTOR TYPE

EC	ELECTRICAL CONTRACTOR
EX	EXISTING
FC	FIRE PROTECTION CONTRACTOR
GC	GENERAL CONTRACTOR
HC	HVAC CONTRACTOR
MFR	MANUFACTURER
PC	PLUMBING CONTRACTOR
OR	OWNER OR OTHERS

MOTOR CONTROL TYPE

CS	COMBINATION STARTER
MCC	MOTOR CONTROL STARTER
MG	MAGNETIC STARTER OR CONTACT
MS	MANUAL STARTER
VFD	VARIABLE FREQUENCY DRIVE
MSR	MANUAL STARTER W/ CONTROL RELAY
OV	OVERCURRENT PROTECTION

CONTROL TYPE

TC	TIMECLOCK
CPT	CONTROL POWER TRANSFORMER
BAS	BUILDING AUTOMATION SYSTEM
LOW	LOW VOLTAGE CONTROLS
LINE	LINE VOLTAGE CONTROLS
RLINE	REVERSE ACTING LINE VOLTAGE THERMOSTAT
MAN	MANUAL
FA	FIRE ALARM
CO	CARBON MONOXIDE SENSOR
INT	INTEGRAL TO EQUIPMENT
ASD	AREA SMOKE DETECTOR
DSD	DUCT SMOKE DETECTOR

SHORT CIRCUIT RATING

WHERE SHORT CIRCUIT RATING CODE REQUIRED VALUE INDICATES "YES" APPLICABLE EQUIPMENT'S SHORT CIRCUIT RATING SHALL EXCEED THE AVAILABLE FAULT CURRENT VALUE INDICATED.

CONNECTION MARK	DESCRIPTION	VOLTAGE	PHASE	EMERGENCY	HP	WATTS	HTG KW	FLA	MCA	OCP	FED FROM	DC TYPE	DC FURN	DC INST	DC WIRE	MC TYPE	MC FURN	MC INST	MC WIRE	CN TYPE	CN FURN	CN INST	CN WIRE	SHORT CIRCUIT RATING CODE REQUIRED?	AVAILABLE FAULT CURRENT
FCU-1	CHILLED WATER FAN COIL UNIT	208 V	3	NO				3.7	4.63	15			EC	EC	EC	MG	MFR	MFR	MFR	BAS	HC	HC	HC	Yes	1640
FCU-2	CHILLED WATER FAN COIL UNIT	208 V	3	NO				3.7	4.63	15			EC	EC	EC	MG	MFR	MFR	MFR	BAS	HC	HC	HC	Yes	1420
FCU-3	CHILLED WATER FAN COIL UNIT	208 V	3	NO				3.7	4.63	15			EC	EC	EC	MG	MFR	MFR	MFR	BAS	HC	HC	HC	Yes	1316
KEF-1	HVAC FAN	208 V	3	NO	5			15					EC	EC	EC	MG	MFR	MFR	MFR	LOW	HC	HC	HC	No	2299

HVAC FAN COIL UNITS SCHEDULE

Equipment shall be braced and labeled by the equipment manufacturer to withstand the minimum scheduled available fault current value for listed equipment.

EQUIPMENT MARK	DESCRIPTION	STATUS	MANUFACTURER	MODEL	CFM (cfm)	ESP (in WC)	OACFM (cfm)	MAT CLG DB (Deg F)	MAT CLG WB (Deg F)	CLG MBH (mbh)	CLG SENS (mbh)	LAT CLG DB (Deg F)	LAT CLG WB (Deg F)	CHW EWT (Deg F)	CHW LWT (Deg F)	CW GPM (gpm)	EMERGENCY	ELECTRIC CONNECTION SUMMARY	AVAILABLE FAULT CURRENT
FCU-1	CHILLED WATER FAN COIL UNIT	NEW	CARRIER	42DHA20BR	2000	0	0	84	71	43	41	55	54	42	55	10.9	NO	FCU-1 - 208V/3PH, 3.7A FLA, 4.63 MCA, 15A OCP	1640
FCU-2	CHILLED WATER FAN COIL UNIT	NEW	CARRIER	42DHA20BR	2000	0	0	84	71	47	41	55	54	42	55	10.9	NO	FCU-2 - 208V/3PH, 3.7A FLA, 4.63 MCA, 15A OCP	1420
FCU-3	CHILLED WATER FAN COIL UNIT	NEW	CARRIER	42DHA20BR	2000	0	0	84	71	48	41	55	54	42	55	10.9	NO	FCU-3 - 208V/3PH, 3.7A FLA, 4.63 MCA, 15A OCP	1316

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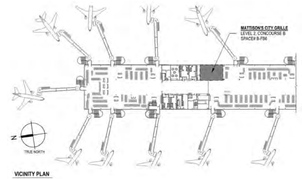

VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
B1 Rev 1 - Bid Addendum			2024.08.16
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued

	By	Appd	YYYY.MM.DD

File Name: N/A

Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

MECHANICAL SCHEDULES

Project No.

Scale

Revision
B1

Drawing No.
M-601

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ORIGINAL SHEET - ARCH D

COMcheck Software Version COMcheckWeb
Mechanical Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	Mattisons Grille - Sarasota International Airport
Location:	Sarasota, Florida
Climate Zone:	2a
Project Type:	Alteration

Construction Site: Owner/Agent: Designer/Contractor:

Mechanical Systems List

Quantity System Type & Description

3 FCU-1,2,3 (Single Zone):
Cooling: 1 each - Hydronic Coil, Capacity = 48 kBtu/h, Unknown Economizer
No minimum efficiency requirement applies
Fan System: FAN SYSTEM 1 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
FAN 1 Supply, Constant Volume, 2000 CFM, 2.0 motor nameplate hp, 67.00 fan energy index

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COMcheck Software Version COMcheckWeb
Inspection Checklist

Energy Code: 2021 IECC

Requirements: 100.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 (PR2)[1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical and service water heating systems and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks. Hot water system sized per manufacturer's sizing guide.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C403.13.2 - C403.13.3 (FO9)[1]	Snow/ice melting system and freeze protection systems have sensors and controls configured to limit service for pavement temperature above 50F and outdoor temperature above 40F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-in Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 (PL6)[1]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 (ME41)[1]	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.4 (ME142)[2]	Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.6 (ME143)[2]	Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan airflow as a function of load and comply with detailed requirements of this section.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.9 (ME144)[2]	Large diameter fans where installed shall be tested and labeled in accordance with AMCA 230.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.3 (ME55)[2]	HVAC equipment efficiency verified.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Mechanical Systems list for values.*
C403.2.2 (ME59)[1]	Natural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.7.1 (ME59)[1]	Demand control ventilation provided for spaces >500 ft2 and >15 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.7.2 (ME115)[1]	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.7.6 (ME141)[1]	HVAC systems serving guestrooms in Group R-1 buildings with > 50 guestrooms: Each guestroom is provided with controls that automatically manage temperature setpoint and ventilation (see sections C403.7.6.1 and C403.7.6.2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.7.4 (ME57)[1]	Exhaust air energy recovery on systems meeting Table C403.7.4(1) and C403.7.4(2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.7.5 (ME116)[1]	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.4.3.1 (ME50)[2]	Three-pipe hydronic systems using a common return for hot and chilled water are not used.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.5 (ME26)[2]	Chilled water plants with multiple chillers have capability to reduce flow automatically through the chiller plant when a chiller is shut down. Boiler plants with multiple boilers have the capability to reduce flow automatically through the boiler plant when a boiler is shut down.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.1.4 (ME63)[2]	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.10.5 (ME31)[2]	Condenser heat recovery system that can heat water to 85 ºF or provide 60% of peak heat rejection is installed for preheating of service hot water.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.2.1 (ME53)[2]	Air outlets and zone terminal devices have means for air balancing.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.2.2 (ME54)[2]	HVAC hydronic heating and cooling coils have means to balance and have pressure test connections.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.3 - C403.11.3.1, C403.11.3.2 (ME123)[1]	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.11.3.1 and refrigeration compressor systems that comply with C403.11.3.2..	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

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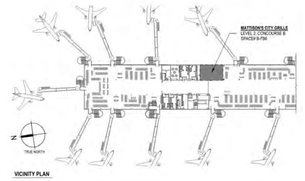

VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo
Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

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Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
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6000 Airport Circle, Sarasota, FL 34243

Title
MECHANICAL COMPLIANCE

Project No. Scale

Revision Drawing No.
M-701

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ORIGINAL SHEET - ARCH D

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.7 [EL26][1]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.8 [EL27][1]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.9.1, C405.9.2 [EL28][1]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.10 [EL29][1]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.11.1 [EL30][1]	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.11, C405.11.1 [EL31][1]	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Mattisons Grille - Sarasota International Airport Report date: 06/21/24
Data filename: Page 7 of 9

Section # & Req.ID	Final inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.3 [FI8][1]	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.3.1 [FI27][1]	HVAC systems and equipment capacity does not exceed calculated loads.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.1 [FI47][1]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.1.2 [FI38][1]	Thermostatic controls have a 5 °F deadband.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.1.3 [FI20][1]	Temperature controls have setpoint overlap restrictions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.2 [FI39][1]	Each zone equipped with setback controls using automatic time clock or programmable control system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.2.1, C403.4.2.2 [FI40][1]	Automatic Controls: Setback to 55°F (heat) and 85°F (cool), 7-day clock, 2-hour occupant override, 10-hour backup	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.2.3 [FI41][1]	Systems include optimum start controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.1.1 [FI57][1]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.1 [FI28][1]	Commissioning plan developed by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.3.1 [FI31][1]	HVAC equipment, systems and system-to-system relationships have been tested to ensure proper operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Mattisons Grille - Sarasota International Airport Report date: 06/21/24
Data filename: Page 8 of 9

Section # & Req.ID	Final inspection	Complies?	Comments/Assumptions
C408.2.3.2 [FI10][1]	HVAC and service water heating control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.4 [FI29][1]	Preliminary commissioning report completed and certified by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5 [FI7][1]	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.1 [FI43][1]	An air and/or hydronic system balancing report is provided for HVAC systems.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.2 [FI30][1]	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Mattisons Grille - Sarasota International Airport Report date: 06/21/24
Data filename: Page 9 of 9

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ORIGINAL SHEET - ARCH D

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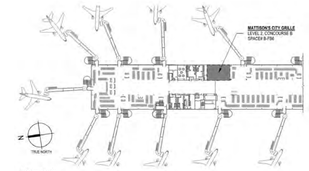

VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project

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Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
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Title

MECHANICAL COMPLIANCE

Project No. Scale

Revision Drawing No.

M-702

PLUMBING GENERAL NOTES

1. AT ALL LOCATIONS WHERE PLUMBING FIXTURES ARE TO BE REMOVED, PLUMBING SUBCONTRACTOR SHALL REMOVE PIPING (WATER, WASTE, VENT) TO A POINT BEYOND FINISH SURFACE AND CAP OFF. WHERE PIPING SERVING EXISTING FIXTURE TO BE REMOVED ALSO SERVES FIXTURES THAT ARE TO REMAIN, PIPING SHALL BE REROUTED AND RECONNECTED AS REQUIRED TO ACCOMMODATE REMODELED AREAS AS REQUIRED.

2. WHERE EXISTING WALLS ARE REMOVED AND PIPING IS FOUND THAT MUST REMAIN, PLUMBING SUBCONTRACTOR SHALL REROUTE AND RECONNECT PIPING AS REQUIRED, E.G. DOMESTIC WATER PIPING, GAS, SOIL, WASTE, VENT, AND ROOF LEADER PIPING.

3. ALL PLUMBING PIPING THAT IS FOUND TO NO LONGER SERVE ANY PURPOSE SHALL BE REMOVED AND CAPPED OFF BEYOND FINISH SURFACE.

4. WHEREVER POSSIBLE, NEW PIPING AND RELOCATED PIPING SHALL BE RUN CONCEALED. COORDINATE LOCATION OF ALL PIPING WITH HVAC AND ELECTRIC SUBCONTRACTOR. COORDINATE CUTTING AND PATCHING WITH GENERAL CONTRACTOR.

5. WHEREVER FIXTURES REQUIRING PLUMBING CONNECTIONS ARE FURNISHED BY OTHERS, OWNER, OR ARE RELOCATED, PLUMBING SUBCONTRACTOR SHALL FURNISH AND INSTALL CARRIERS, "P" TRAP AND STOPS AND MAKE FINAL PLUMBING CONNECTIONS AT NEW LOCATIONS.

6. ALL PIPING SHOWN SHALL BE NEW PIPING, EXCEPT AS NOTED OTHERWISE.

7. ALL CUTTING AND PATCHING FOR REMOVAL, REMODELING OR INSTALLATION OF NEW PLUMBING WORK SHALL BE DONE BY PLUMBING CONTRACTOR.

FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

STANDARD PLUMBING ABBREVIATIONS

AAV	AIR ADMITTANCE VALVE
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
AV	ACID VENT
AW	ACID WASTE
BAS	BUILDING AUTOMATION SYSTEM
BFP	BACKFLOW PREVENTER
BT	BATHTUB
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
BWV	BACK WATER VALVE
CA	COMPRESSED AIR
CB	CATCH BASIN
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CO	CLEAN OUT
CO2	CARBON DIOXIDE
CP	CIRCULATION PUMP
CW	DOMESTIC COLD WATER
DF	DRINKING FOUNTAIN
DI	DEIONIZED WATER
DIA	DIAMETER
DN	DOWN
DS	DOWNSPOUT
DSN	DOWNSPOUT NOZZLE
EC	ELECTRICAL CONTRACTOR
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EX	EXISTING
F	FAHRENHEIT
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
FLA	FULL LOAD AMPERES
FS	FLOOR SINK
FT	FEET
FW	FILTERED WATER
G	GAS
GCO	GRADE CLEAN OUT
GWH	GAS FIRED WATER HEATER
GI	GREASE INTERCEPTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPR	GAS PRESSURE REGULATOR
GW	GREASE WASTE
H&CW	HOT & COLD WATER
HB	HOSE BIBB
HC	HVAC CONTRACTOR
HD	HUB DRAIN
HP	HORSEPOWER
HW	DOMESTIC HOT WATER
HWR	HOT WATER RETURN
IE	INVERT ELEVATION
IN WC	INCH WATER COLUMN
KW	KILOWATT
KWH	KILOWATT HOUR
LPG	LIQUID PROPANE GAS
LV	LAVATORY
MAU	MAKEUP AIR UNIT
MAX	MAXIMUM
MBH	1000 BTUH
MH	MANHOLE
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MS	MOP SINK
MV	MIXING VALVE
N	NITROGEN
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NITROUS OXIDE
NOM	NOMINAL
NTS	NOT TO SCALE
O	OXYGEN
OCP	OVER CURRENT PROTECTION
OD	OVERFLOW DRAIN
OI	OIL INTERCEPTOR
PC	PLUMBING CONTRACTOR
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
RD	ROOF DRAIN
RH	ROOF HYDRANT
RO	REVERSE OSMOSIS
RPZ	REDUCED PRESSURE ZONE VALVE
RTU	ROOF TOP UNIT
S	SANITARY
SI	SOLIDS INTERCEPTOR
SK	SINK
SOFT	SOFT WATER
SPEC	SPECIFICATION
SQ FT	SQUARE FOOT (FEET)
ST	STORM PIPING
TD	TRENCH DRAIN
TEMP	TEMPERATURE
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
UH	UNIT HEATER
UR	URINAL
VAC	VACUUM
VFD	VARIABLE FREQUENCY DRIVE
VP	VACUUM PUMP
VTR	VENT THRU ROOF
WAGD	WASTE ANESTHESIA GAS
WB	WASHER BOX
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WH	WALL HYDRANT
WF	WATER FILTER
YH	YARD HYDRANT

CODE INFORMATION

PLUMBING CODE	2023 FLORIDA BUILDING CODE - PLUMBING, 8TH EDITION
ENERGY CODE	2023 FLORIDA BUILDING CODE - ENERGY CONSERVATION, 8TH EDITION
FUEL GAS CODE	2023 FLORIDA BUILDING CODE - FUEL GAS, 8TH EDITION

PLUMBING LEGEND

SYMBOL	DESCRIPTION
PLAN-VIEW LINE TYPES	
	WORK SHOWN FADED INDICATES EXISTING WORK TO REMAIN OR NEW WORK BY OTHERS AS APPLICABLE
	WORK SHOWN BOLD-DASHED INDICATES SELECTIVE DEMOLITION WORK
	WORK SHOWN BOLD-CONTINUOUS INDICATES NEW WORK
	DIRECTION OF FLOW
PIPING LINE TYPES	
S1	SANITARY WASTE PIPING
V1	VENT PIPING
S2	GREASE WASTE PIPING
C1	DOMESTIC COLD WATER PIPING
H1	DOMESTIC HOT WATER PIPING
HR1	DOMESTIC HOT WATER RETURN PIPING
CS	FILTERED WATER PIPING
G1	NATURAL GAS PIPING

DRAWING SET APPEARANCE

TO BETTER COMMUNICATE SCOPE TO PERMIT AGENCIES AND CONTRACTORS, EACH DRAWING IN THIS DRAWING SET HAS BEEN CREATED IN BOTH "COLOR" AND "BLACK AND WHITE". THERE EXISTS A COLOR LAYER WITHIN EACH DRAWING WHERE VISIBILITY IS CONTROLLED THROUGH THE PDF LAYER MANAGER. THIS LAYER VISIBILITY CAN BE TOGGLED DISPLAYING EITHER "COLOR" OR "BLACK AND WHITE". TO MAINTAIN SCOPE BASED SHADING WHEN PRINTING TO PAPER, BLACK AND WHITE NEEDS TO BE VISIBLE.
FOR FURTHER INSTRUCTIONS, REFER TO CONTRACTOR RESOURCES ON OUR WEBSITE AND DOWNLOAD "DRAWING COLOR INSTRUCTIONS".
WWW.KLHENGRS.COM - CONTRACTOR RESOURCES (RIGHT HAND SIDE OF PAGE).

PLUMBING ACCESSORIES	
	UNION
	PIPE CAP
	STRAINER
	PRESSURE GAUGE
	THERMOMETER
	CO - CLEANOUT, WCO - WALL CLEANOUT
	FCO - FLOOR CLEANOUT, GCO - GRADE CLEANOUT
	FLOOR DRAIN, AREA DRAIN
	FLOOR SINK
	EXPANSION TANK
PIPE VALVES	
	SHUT-OFF VALVE
	CHECK VALVE
	BALANCING VALVE
	SOLENOID VALVE
	PRESSURE REGULATOR VALVE
	GAS PRESSURE REGULATOR
	PRESSURE AND TEMPERATURE RELIEF VALVE
	BACKFLOW PREVENTER
	DOUBLE CHECK VALVE BACKFLOW PREVENTER
	FROST PROOF WALL HYDRANT (EXTERIOR)
	HOSE BIBB (INTERIOR)
	TRAP PRIMER VALVE
PLUMBING SYMBOLS	
	PIPE UP
	PIPE DOWN
	PIPE TEE DOWN
	PIPE TEE UP
	CONNECT TO EXISTING (FIELD VERIFY EXISTING UTILITY SERVICE TYPE, PRIOR TO MAKING CONNECTION)
	VENT THROUGH ROOF
PLUMBING MISCELLANEOUS	
	CIRCULATION PUMP, RETURN PUMP

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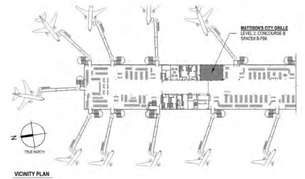
859-442-8058 FAX — NEW YORK, NEW YORK

Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16
Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo
Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille
Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
PLUMBING COVER SHEET

Project No.

Scale
1/8" = 1'-0"

Revision

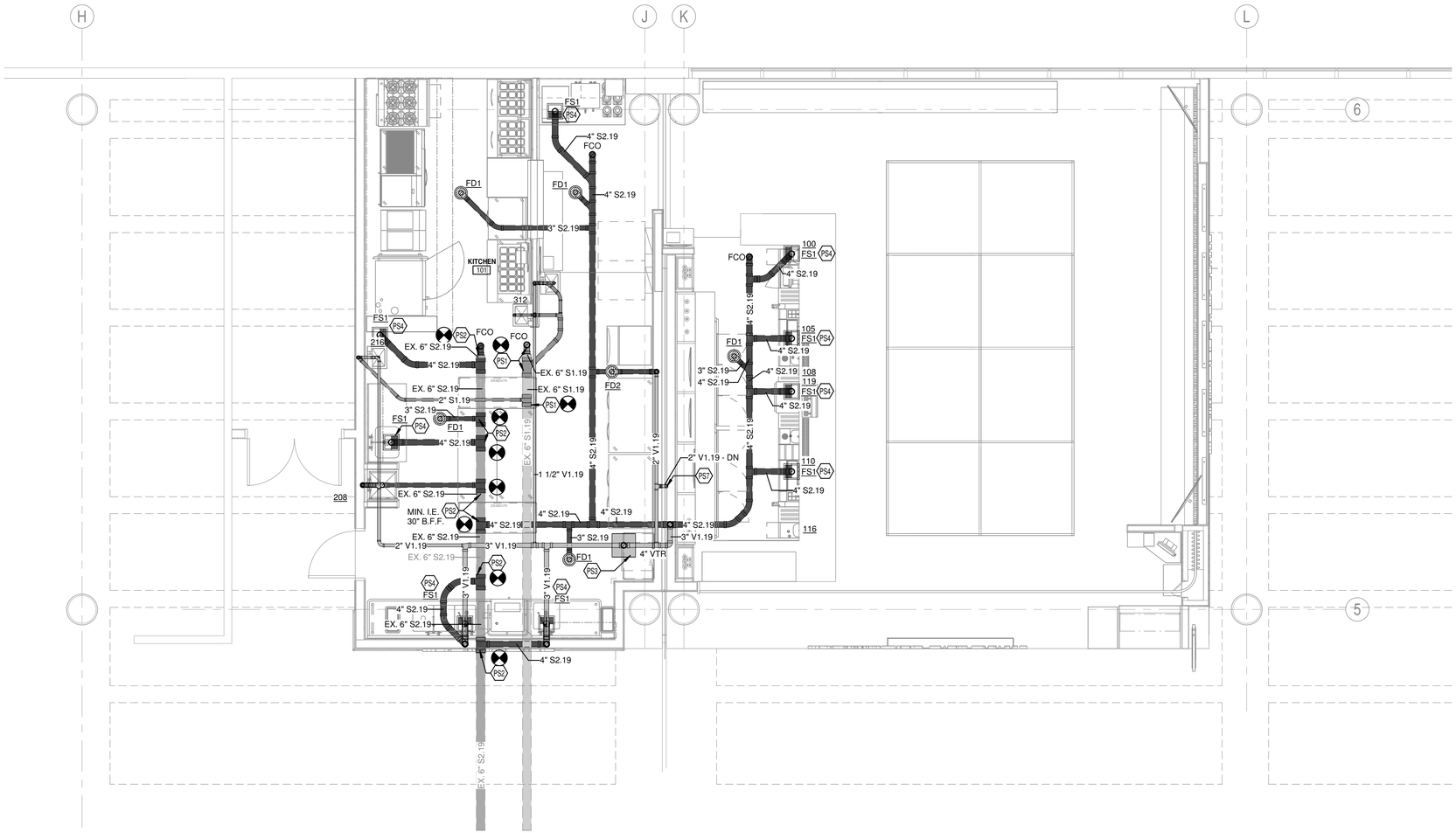
Drawing No.
P-001

GREASE INTERCEPTOR CALCULATIONS				
S	GS (GAL)	HR (HRS)	LF	TOTAL DISCHARGE LOAD (GAL)
59	25	12	0.75	**1106.25**
PROVIDED GREASE INTERCEPTOR DISCHARGE LOAD (GAL)				**1110**
S = NUMBER OF SEATS IN DINING AREA				
GS = GALLONS OF WASTE WATER PER SEAT (USE 25 GAL. FOR ORDINARY RESTAURANTS; USE 10 GAL. FOR SINGLE SERVICE ARTICLE RESTAURANTS)				
HR = NUMBER OF HOURS ESTABLISHMENT IS OPEN				
LF = LOADING FACTOR (USE 2.00 INTERSTATE HIGHWAY; 1.50 OTHER FREEWAYS; 1.25 RECREATIONAL AREA; 1.00 MAIN HIGHWAY; 0.75 OTHER ROADS)				
SIZED PER 2020 FLORIDA PLUMBING CODE SECTION 1003.3.4 THROUGH FLORIDA ADMINISTRATIVE CODE RULE 64E-6.013 (7)(d).				

Pipe Type Legend		
Mark	System Name	Pipe Material
S1.19	S1 - Sanitary	19 - PVC - Schedule 40 - ASTM D1785/D2665
S2.19	S2 - Grease Waste	19 - PVC - Schedule 40 - ASTM D1785/D2665
V1.19	V1 - Vent	19 - PVC - Schedule 40 - ASTM D1785/D2665

KEYED NOTES

PS1	CONNECT NEW SANITARY SEWER TO EXISTING SANITARY SEWER MAIN IN THIS APPROXIMATE AREA. COORDINATE EXACT SIZE, INVERT AND LOCATION OF SANITARY PIPE CONNECTION WITH LANDLORD PRIOR TO BEGINNING WORK. INVERT ELEVATION OF EXISTING SANITARY PIPE TO BE NO LESS THAN INDICATED ON PLAN. CONTACT ENGINEER OF RECORD IF INVERT ELEVATION OF EXISTING SANITARY PIPE IS HIGHER THAN LISTED ELEVATION. COORDINATE ROUTING WITH EXISTING CONDITIONS. REPORT ANY DISCREPANCIES WITH OWNER AND ENGINEER OF RECORD.
PS2	CONNECT NEW GREASE TO EXISTING GREASE MAIN IN THIS APPROXIMATE AREA. COORDINATE EXACT SIZE, INVERT AND LOCATION OF GREASE PIPE CONNECTION WITH LANDLORD PRIOR TO BEGINNING WORK. EXISTING GREASE WASTE PIPING CONDITION SHALL BE EVALUATED VIA SCOPING FOR POTENTIAL REPAIRS TO EXISTING GREASE WASTE PIPING SYSTEM. CONTACT ENGINEER OF RECORD IF INVERT ELEVATION OF EXISTING GREASE PIPE IS HIGHER THAN LISTED ELEVATION. COORDINATE ROUTING WITH EXISTING CONDITIONS. REPORT ANY DISCREPANCIES WITH OWNER AND ENGINEER OF RECORD.
PS3	ROUTE VENT PIPING THROUGH ROOF. MAINTAIN A MINIMUM DISTANCE OF 10'-0" FROM ANY OUTSIDE AIR INTAKE OF ANY ROOFTOP EQUIPMENT.
PS4	DRAIN PLUMBING FIXTURE/EQUIPMENT TO ADJACENT FLOOR SINK. TERMINATE WITH APPROVED AIR GAP. REFER TO FOOD SERVICE DRAWINGS FOR ADDITIONAL INSTALLATION INFORMATION.
PS7	VENT DOWN TO BASEMENT. REFER TO SHEET P-102 FOR CONTINUATION.



1 PLUMBING SANITARY & VENT PLAN - LEVEL 2
1/4" = 1'-0"

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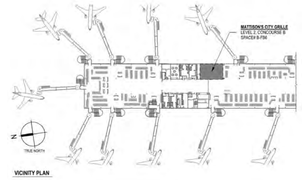

VICINITY PLAN

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File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
PLUMBING SANITARY WASTE LEVEL 2 PLAN

Project No.

Scale
1/4" = 1'-0"

Revision

Drawing No.
P-101

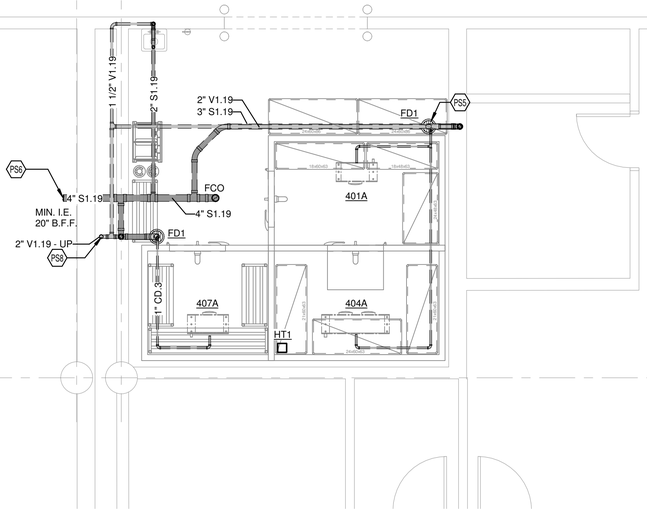
1/16/2025 1:36:02 PM

ORIGINAL SHEET - ARCH D

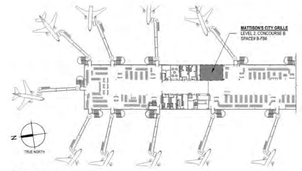
Pipe Type Legend		
Mark	System Name	Pipe Material
CD.3	CD - Condensate Drainage	3 - Copper - DWV - ASTM B306
S1.19	S1 - Sanitary	19 - PVC - Schedule 40 - ASTM D1785/D2665
V1.19	V1 - Vent	19 - PVC - Schedule 40 - ASTM D1785/D2665

KEYED NOTES

PS5	FLOOR DRAIN FOR T&P VALVE FOR WATER HEATER PER AIRPORT STANDARDS.
PS6	CONNECT NEW SANITARY SEWER TO EXISTING SANITARY SEWER MAIN LOCATED BETWEEN COLUMN LINES G AND H, APPROXIMATELY 55' FEET AWAY. COORDINATE EXACT SIZE, INVERT AND LOCATION OF SANITARY PIPE CONNECTION WITH LANDLORD PRIOR TO BEGINNING WORK. INVERT ELEVATION OF EXISTING SANITARY PIPE TO BE NO LESS THAN INDICATED ON PLAN. CONTACT ENGINEER OF RECORD IF INVERT ELEVATION OF EXISTING SANITARY PIPE IS HIGHER THAN LISTED ELEVATION. COORDINATE ROUTING WITH EXISTING CONDITIONS. REPORT ANY DISCREPANCIES WITH OWNER AND ENGINEER OF RECORD.
PS8	VENT UP TO MATTISON'S SPACE. REFER TO SHEET P-101 FOR CONTINUATION.



1 PLUMBING SANITARY & VENT PLAN - LEVEL 1 PLAN SUPPORT SPACE
1/4" = 1'-0"



VICINITY PLAN

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Notes

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Permit/Seal

Client/Project Logo

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

PLUMBING SANITARY LEVEL 1 PLAN
SUPPORT SPACE

Project No.

Scale
1/4" = 1'-0"

Revision

Drawing No.
P-102

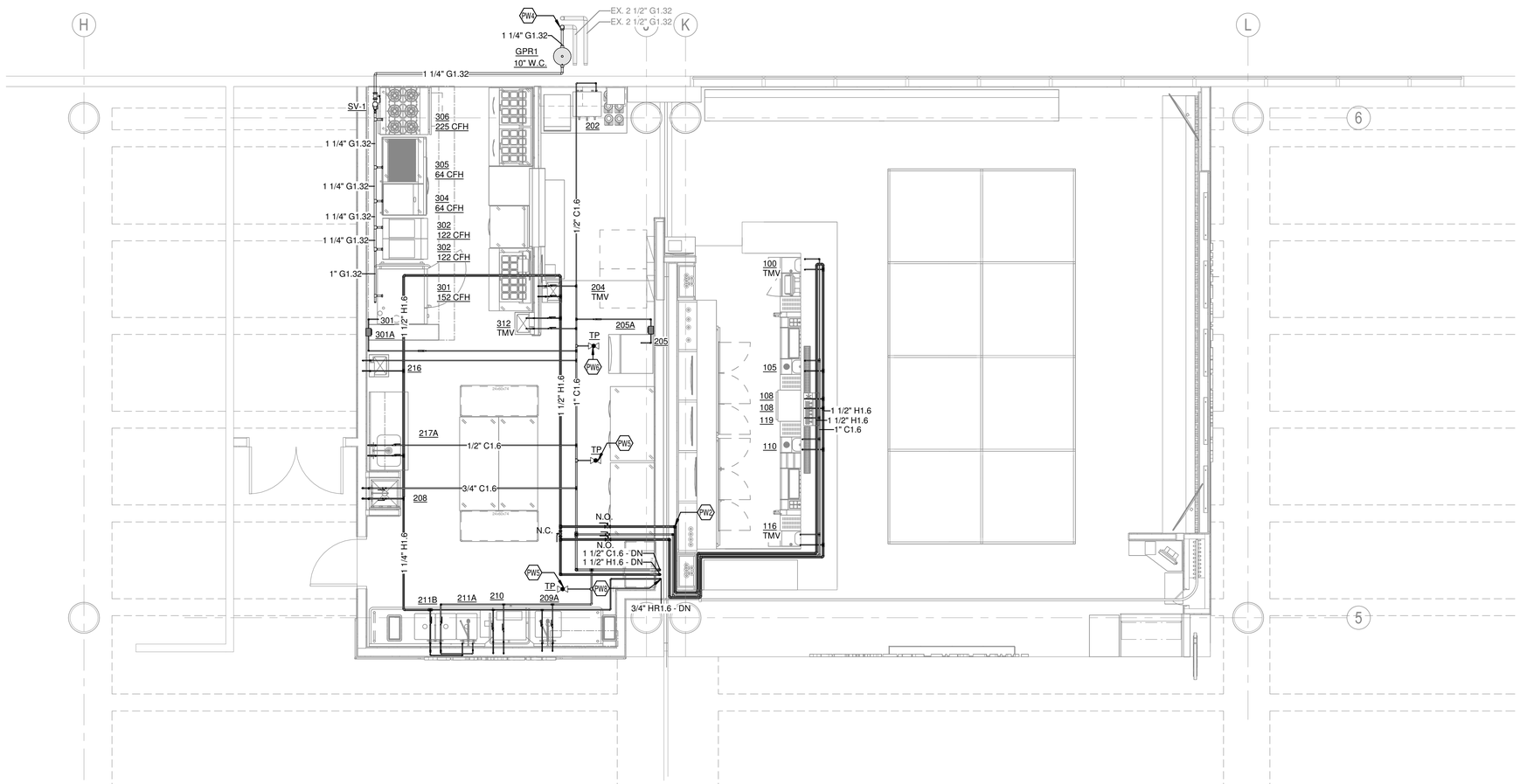
1/16/2025 1:34:59 PM

ORIGINAL SHEET - ARCH D

Pipe Type Legend		
Mark	System Name	Pipe Material
C1.6	C1 - Domestic Cold Water	6 - Copper - Type L - ASTM B88
C3.6	C3 - Domestic Cold Filtered Water	6 - Copper - Type L - ASTM B88
G1.32	G1 - Natural Gas	32 - Black Steel - Schedule 40 - ASTM A53/A53M
H1.6	H1 - Domestic Hot Water	6 - Copper - Type L - ASTM B88
HR1.6	HR1 - Hot Water Return	6 - Copper - Type L - ASTM B88

KEYED NOTES

PW2	ROUTE PIPING DOWN FULL HEIGHT WALL TO HALF HEIGHT BAR WALL TO FEED BAR FIXTURES.
PW4	GAS LINE ROUTED TO NEW GAS METER NEAR ELEVATORS AND GAS MANIFOLD. PROVIDE NEW GAS PRESSURE REGULATOR AND PIPING TO SPACE. COORDINATE GAS PRESSURE REGULATOR AND ROUTING WITH EXISTING CONDITIONS AND AIRPORT. REPORT ANY DISCREPANCIES WITH OWNER AND ENGINEER OF RECORD. GAS SERVICE FROM UTILITY SHALL BE SET AT 2 PSI.
PW5	TRAP PRIMER TO SERVE ADJACENT FLOOR DRAIN.
PW6	TRAP PRIMER TO SERVE BAR FLOOR DRAINS.
PW8	COLD WATER PIPING AND WATER PIPING TO AND FROM WATER HEATER UP TO LEVEL BELOW TO SERVE STORAGE SPACE. REFER TO SHEET P-104 FOR CONTINUATION.



1 PLUMBING WATER & GAS PLAN - LEVEL 2
1/4" = 1'-0"

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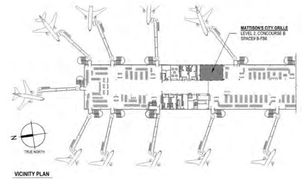

VICINITY PLAN

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File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

PLUMBING WATER AND GAS LEVEL 2 PLAN

Project No.	Scale
	1/4" = 1'-0"
Revision	Drawing No.
	P-103

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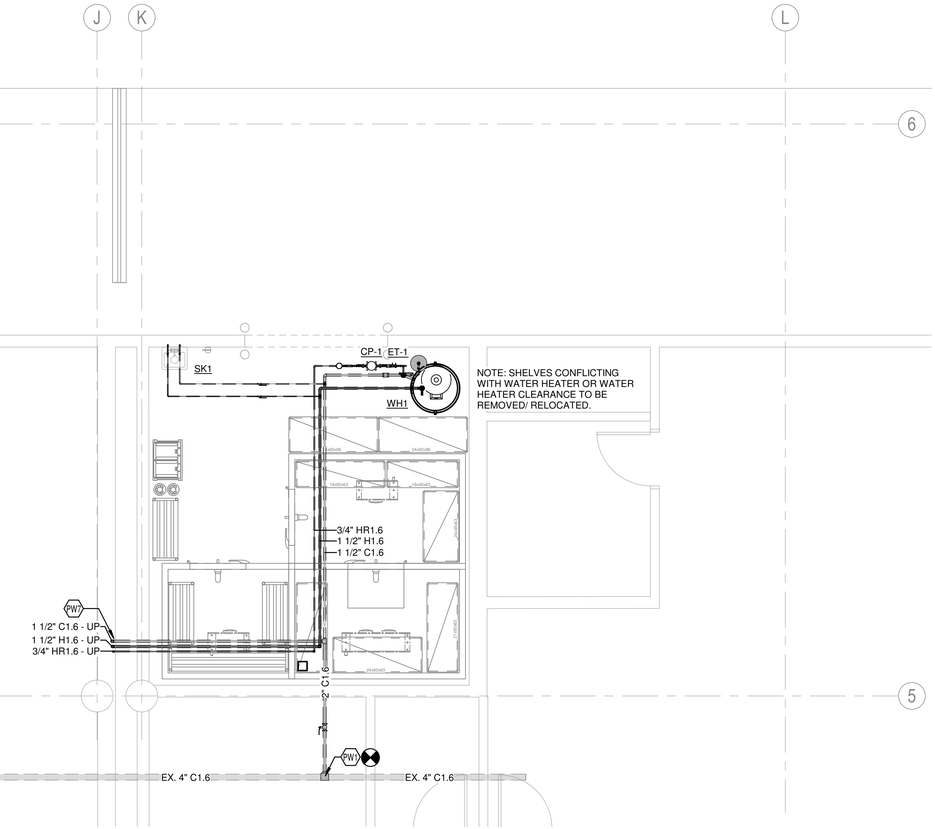
ORIGINAL SHEET - ARCH D

Pipe Type Legend		
Mark	System Name	Pipe Material
C1.6	C1 - Domestic Cold Water	6 - Copper - Type L - ASTM B88
H1.6	H1 - Domestic Hot Water	6 - Copper - Type L - ASTM B88
HR1.6	HR1 - Hot Water Return	6 - Copper - Type L - ASTM B88

KEYED NOTES

PW1	EXTEND AND CONNECT NEW WATER PIPE TO EXISTING WATER PIPE AS SHOWN ON PLAN. FIELD VERIFY CONDITION OF THE PIPING, EXACT LOCATION, SIZE, SYSTEM TYPE AND PRESSURE. COORDINATE ROUTING WITH EXISTING CONDITIONS AND AIRPORT. REPORT ANY DISCREPANCIES TO OWNER AND EOR.
PW7	COLD WATER PIPING AND WATER PIPING FROM WATER HEATER UP TO LEVEL ABOVE TO SERVE MATTISON'S SPACE. REFER TO SHEET P-103 FOR CONTINUATION.



1 PLUMBING WATER & GAS PLAN - LEVEL 1 SUPPORT SPACE
1/4" = 1'-0"

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ORIGINAL SHEET - ARCH D

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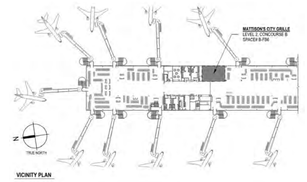

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Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

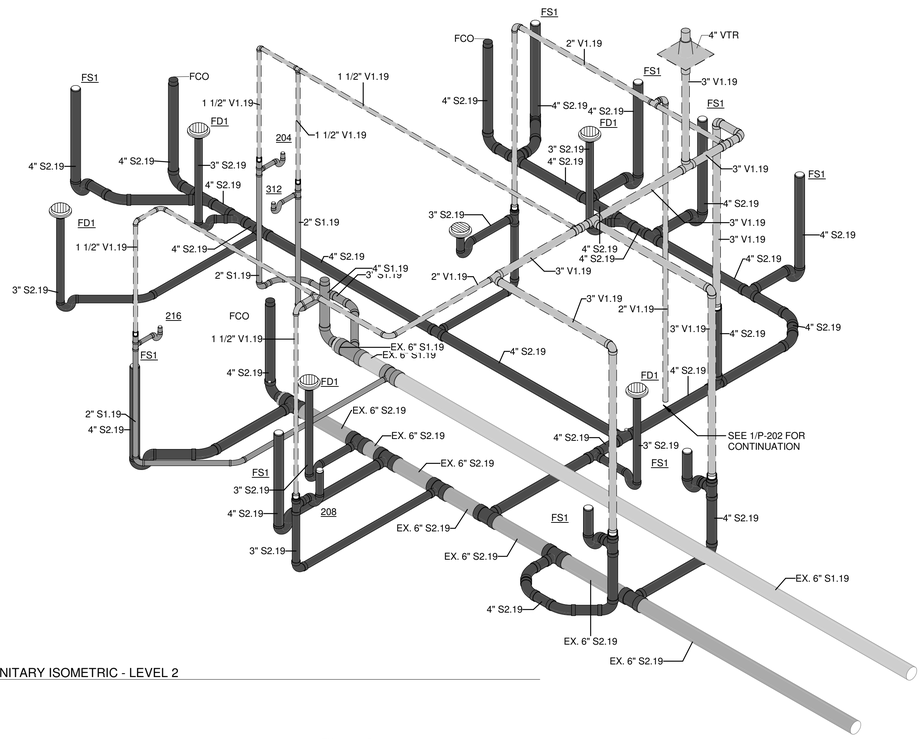
PLUMBING WATER AND GAS LEVEL 1 PLAN SUPPORT SPACE

Project No.

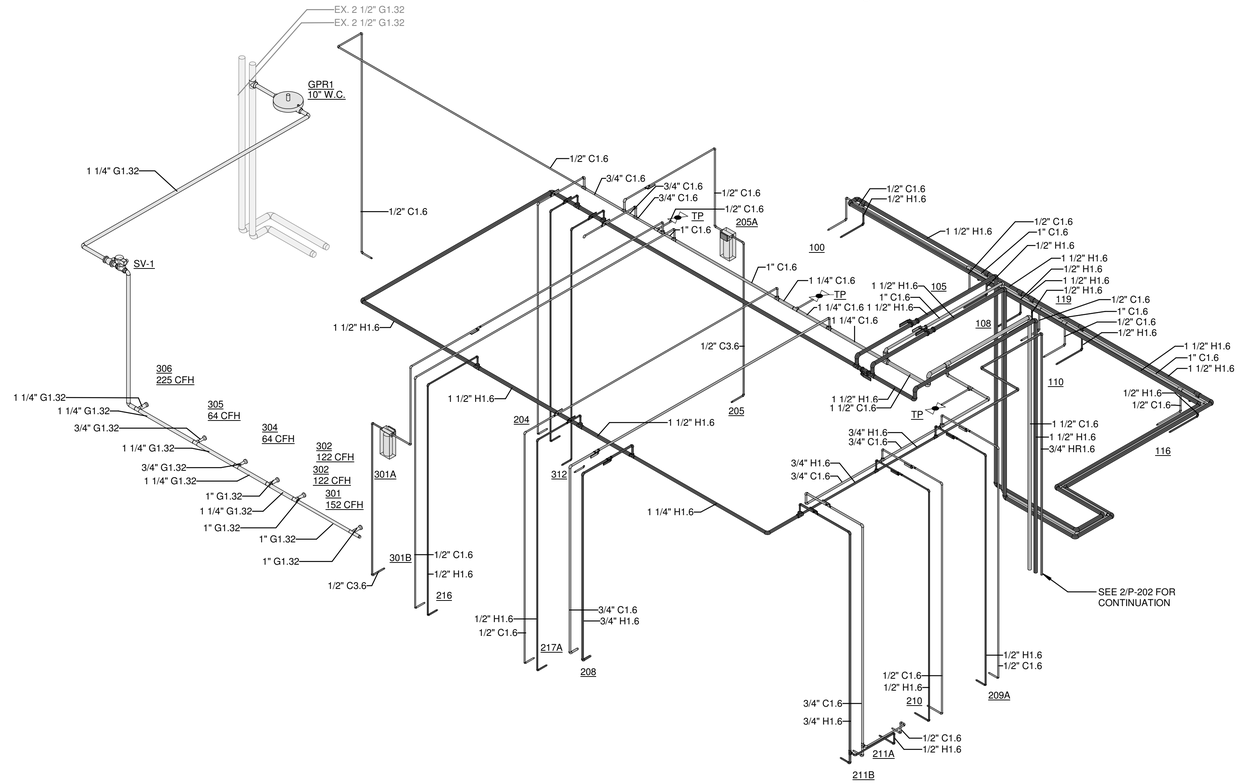
Scale
1/4" = 1'-0"

Revision

Drawing No.
P-104



1 SANITARY ISOMETRIC - LEVEL 2



2 WATER AND GAS ISOMETRIC - LEVEL 2

Pipe Type Legend		
Mark	System Name	Pipe Material
C1.6	C1 - Domestic Cold Water	6 - Copper - Type L - ASTM B88
C3.6	C3 - Domestic Cold Filtered Water	6 - Copper - Type L - ASTM B88
G1.32	G1 - Natural Gas	32 - Black Steel - Schedule 40 - ASTM A53/A53M
H1.6	H1 - Domestic Hot Water	6 - Copper - Type L - ASTM B88
HR1.6	HR1 - Hot Water Return	6 - Copper - Type L - ASTM B88
S1.19	S1 - Sanitary	19 - PVC - Schedule 40 - ASTM D1785/D2665
S2.19	S2 - Grease Waste	19 - PVC - Schedule 40 - ASTM D1785/D2665
V1.19	V1 - Vent	19 - PVC - Schedule 40 - ASTM D1785/D2665

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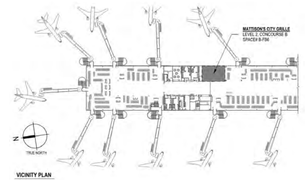

VICINITY PLAN

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Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

PLUMBING ISOMETRICS LEVEL 2

Project No. | Scale

Revision | Drawing No.

P-201

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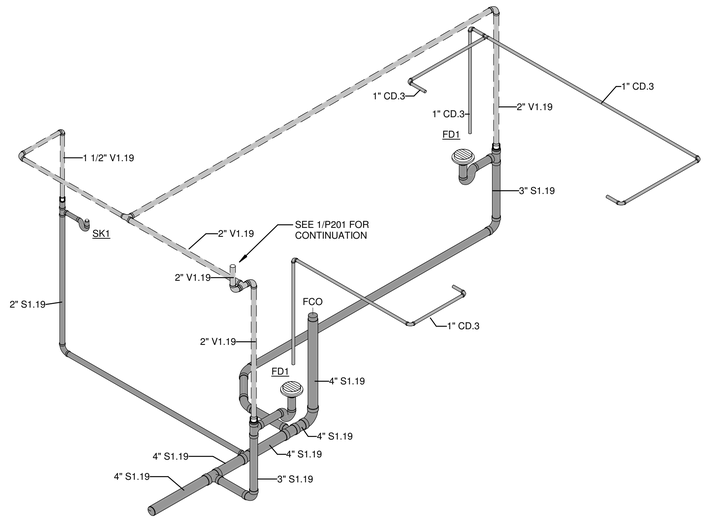
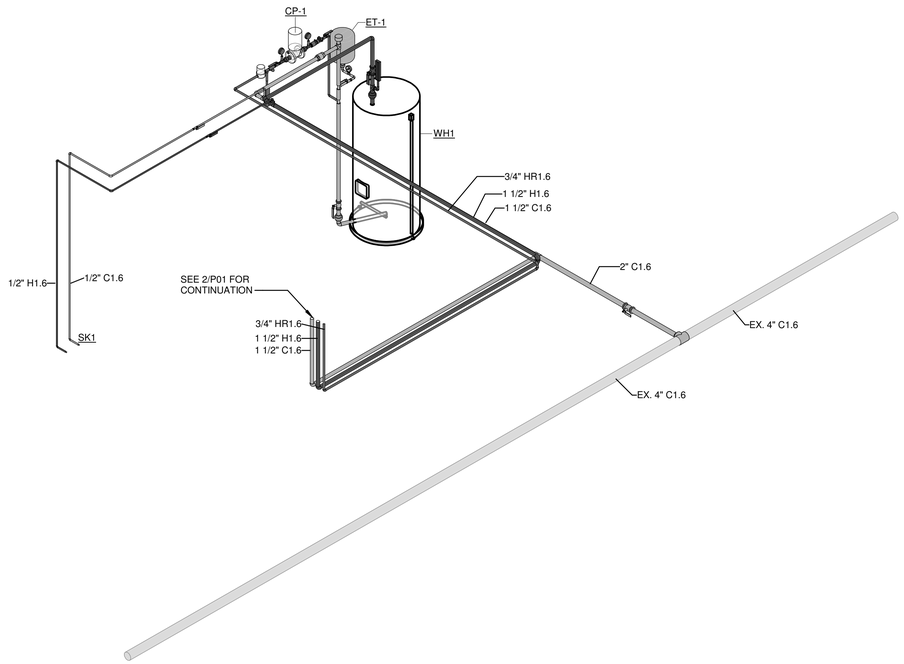
ORIGINAL SHEET - ARCH D

Pipe Type Legend		
Mark	System Name	Pipe Material
C1.6	C1 - Domestic Cold Water	6 - Copper - Type L - ASTM B88
CD.3	CD - Condensate Drainage	3 - Copper - DWV - ASTM B306
H1.6	H1 - Domestic Hot Water	6 - Copper - Type L - ASTM B88
HR1.6	HR1 - Hot Water Return	6 - Copper - Type L - ASTM B88
S1.19	S1 - Sanitary	19 - PVC - Schedule 40 - ASTM D1785/D2665
V1.19	V1 - Vent	19 - PVC - Schedule 40 - ASTM D1785/D2665



1 SANITARY ISOMETRIC - LEVEL 1



2 WATER ISOMETRIC - LEVEL 1

Stantec

Consultant

KLH ENGINEERS

KOHRS LONNEMANN HEIL ENGINEERS, INC.
MECHANICAL/ELECTRICAL ENGINEERS
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859-442-8058 FAX

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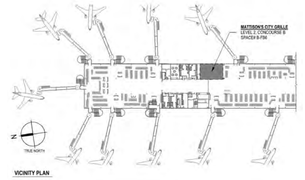
Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16
Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

PLUMBING ISOMETRICS LEVEL 1

Project No.

Scale

Revision

Drawing No.

P-202

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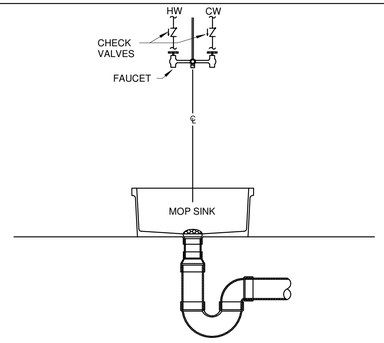
ORIGINAL SHEET - ARCH D

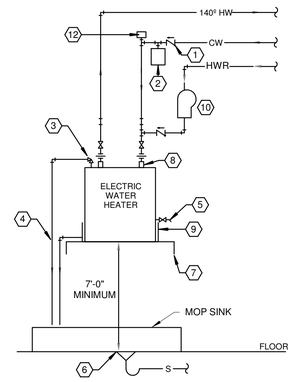


NOTES:

1. SEAL TOP OF SINK TO WALL USING A CONTINUOUS BEAD OF SILICONE CAULKING, WHEREVER SINK ABUTS WALL.
2. FOR EXTERIOR MASONRY AND SOLID WALLS APPLICATION PROVIDE SURFACE MOUNT WATER SUPPLY LINES. WHEN POSSIBLE ROUTE WATER SUPPLY LINES INSIDE INTERIOR STUD WALLS.
3. INCLUDE MOP HANGER, HOSE & HOSE BRACKET, WALL AND BUMPER GUARDS.

224000.00-02 - MOP SINK DETAIL

SCALE: NONE



KEYED NOTES:

1. CHECK VALVE.
2. 5 GALLON EXPANSION TANK.
3. ASME APPROVED TEMPERATURE AND PRESSURE RELIEF VALVE, 210°F, 125 PSI.
4. RELIEF PIPE, FULL SIZE OF OPENING.
5. DRAIN VALVE.
6. MOP SINK
7. MOUNT ON BRACKETS OR SUSPEND FROM JOISTS ABOVE.
8. HEAT TRAP NIPPLE.
9. DRAIN PAN.
10. RECIRCULATING PUMP. REFER TO RECIRCULATING PUMP DETAIL FOR FURTHER PIPING SCHEMATICS.
11. NOT USED.
12. VACUUM RELIEF VALVE.

223300.00-00 - SHELF MOUNTED ELECTRIC WATER HEATER

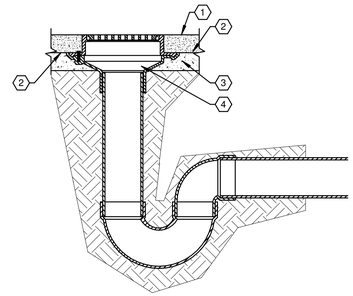
SCALE: NONE

GENERAL NOTES:

A. SLOPE FLOOR TO DRAIN TO FLOOR DRAIN.

KEYED NOTES:

1. FINISH FLOOR SLAB - SLOPE TO DRAIN.
2. WATER PROOFING MEMBRANE. FLASHING FLANGE (IF APPLICABLE).
3. STRUCTURAL SLAB
4. FLOOR DRAIN BODY.

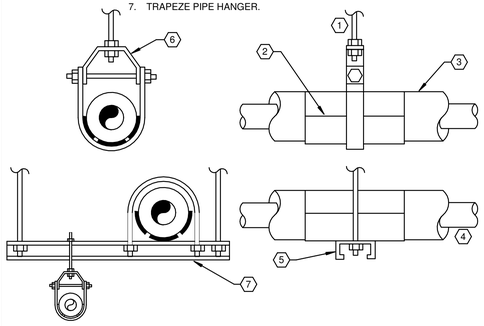


221316.00-01 - FLOOR DRAIN DETAIL

SCALE: NONE

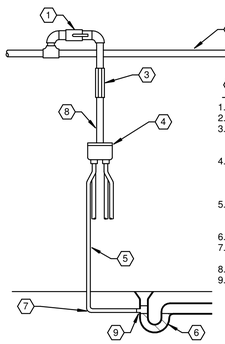
KEYED NOTES:

1. HANGER ROD.
2. GALVANIZED STEEL PIPE SHIELD AND 360° CALCIUM SILICATE INSULATION HANGER SUPPORT.
3. PIPE INSULATION.
4. PIPE.
5. UNISTRUT CHANNEL.
6. CLEVIS HANGER.
7. TRAPEZE PIPE HANGER.



220529.00-01 - PLUMBING PIPE HANGER INSTALLATION

SCALE: NONE



KEYED NOTES:

1. SHUT-OFF VALVE.
2. DOMESTIC COLD WATER LINE.
3. TRAP PRIMER VALVE WITH BACKFLOW PREVENTER AND VACCUM BREAK.
4. DISTRIBUTION UNIT FOR MULTIPLE FLOOR DRAINS. (OMIT DISTRIBUTION UNIT WHEN SERVING SINGLE DRAIN.)
5. MINIMUM 1/2" COPPER FLOOR DRAIN TRAP MAKE-UP WATER LINE. (TYPICAL)
6. WATER SEAL.
7. SLOPE PIPING BELOW SLAB TO FLOOR DRAIN.
8. 1/2" SUPPLY SIZE.
9. IF DRAIN DOES NOT HAVE INTEGRAL TRAP PRIMER CONNECTION, PROVIDE TRAP PRIMER FITTING EQUAL TO ZURN Z1023

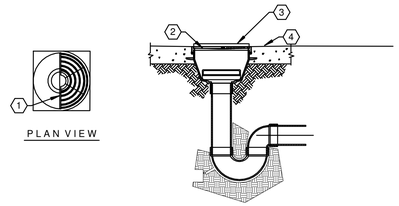
NOTE: TRAP PRIMER LINE SHALL NOT EXCEED 20 FT.

221119.00-07 - TRAP PRIMER DETAIL

SCALE: NONE

KEYED NOTES:

1. HALF GRATE.
2. FLOOR SINK.
3. EXTEND 1" ABOVE FINISHED FLOOR.
4. FINISHED FLOOR.



221313.00-05 - FLOOR SINK WITH SEDIMENT BUCKET

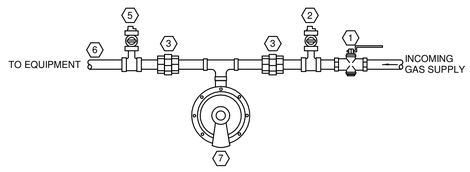
SCALE: NONE

GENERAL NOTES:

A. ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT ACTUAL CONDITIONS. MAKE FINAL CONNECTION TO EQUIPMENT AS RECOMMENDED BY MANUFACTURER

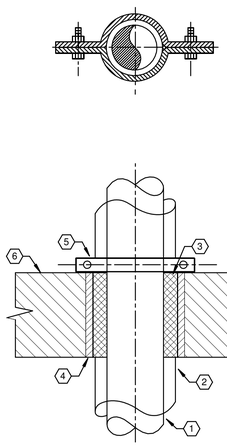
KEYED NOTES:

1. SHUT-OFF VALVE.
2. CAPPED TEST COCK BETWEEN UPSTREAM SHUT-OFF VALVE AND UNION.
3. UNION. MAX. 1'-0" UP/DOWNSTREAM OF REGULATOR.
4. REGULATOR.
5. CAPPED TEST COCK DOWNSTREAM OF UNION AND MIN. 10 PIPE DIAMETERS OF REGULATOR.
6. PROVIDE A MIN. OF 10 PIPE DIAMETERS OF STRAIGHT PIPING FROM REGULATOR TO EQUIPMENT.
7. VENT INDOOR GAS PRESSURE REGULATOR TO EXTERIOR.



221613.00-08 - FUEL GAS LINE REGULATOR

SCALE: NONE



KEYED NOTES:

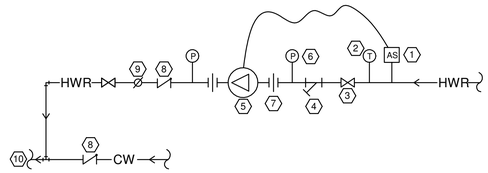
1. PIPE.
2. PIPE INSULATION.
3. FLEXIBLE SEALANT OR FIRE RATED SEALANT FOR FIRE RATED PENETRATIONS.
4. SCHEDULE 40 STEEL PIPE SLEEVE TO BE 1" LARGER THAN THE OUTSIDE SURFACE OF PIPE INSULATION AND FLUSH TO WALL SURFACE. DO NOT SUPPORT PIPING WITH SLEEVE.
5. RISER CLAMP.
6. FINISHED FLOOR. REFER TO ARCHITECTURAL PLANS FOR FLOOR CONSTRUCTION TYPE.

220517.00-04 - PIPE SLEEVE THROUGH EXPOSED FLOOR

SCALE: NONE

KEYED NOTES:

1. AQUASTAT WIRED TO START CIRCULATING PUMP WHEN LINE WATER TEMPERATURE DROPS 10°F BELOW DESIRED HOTWATER LOOP TEMPERATURE. AQUASTAT/THERMAL WELL SHALL HAVE ADJUSTABLE TEMPERATURE RANGE OF 50°F-160°F.
2. TEMPERATURE GAUGE AND SNUBBER. **CRITICAL TO INSTALLATION**.
3. BALL VALVE (TYPICAL).
4. WYE STRAINER
5. HOT WATER RECIRCULATION PUMP.
6. PRESSURE GAUGE AND SNUBBER (TYPICAL) **CRITICAL TO INSTALLATION**.
7. UNION (TYPICAL).
8. CHECK VALVE.
9. BALANCING VALVE.
10. RETURN LINE TO HOT WATER SUPPLY SYSTEM.



221123.00-01 - HOT WATER RECIRCULATION PUMP

SCALE: NONE

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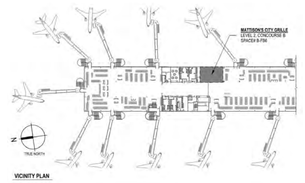
859-442-8058 FAX — NEW YORK, NEW YORK

Notes



Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

PLUMBING - DETAILS

Project No.

Scale
1/8" = 1'-0"

Revision

Drawing No.
P-501

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ORIGINAL SHEET - ARCH D

FOODSERVICE PLUMBING SCHEDULE

ITEM	QTY.	DESCRIPTION	COLD WATER		HOT WATER		FILTERED WATER		WASTE CONNECTIONS			GAS CONNECTION			PLUMBING NOTES (SEE SCHEDULE NOTES)
			SIZE	HT.	SIZE	HT.	SIZE	HT.	IW SIZE	DW SIZE	DW HT.	SIZE	HT.	MBTU	
100	1	Soap & Towel Hand Sink	1/2"	12"	1/2"	12"			1-1/2"						D
101	1	Storage Cabinet							1"						D
103	1	Mixology Station							(2) 3/4"						D
105	1	Mixology Station	1/2"	12"	1/2"	12"			1-1/2"						D, Plumbing trades to interconnect to glass rinser.
107	1	Storage Cabinet							1"						D
108	1	Heat Recovery Glasswasher	(2) 1/2"	(2) 12"					5/8"						D, E
109	1	Storage Cabinet							1"						D
110	1	Mixology Station	1/2"	12"	1/2"	12"			1-1/2"						D, Plumbing trades to interconnect to glass rinser.
112	1	Mixology Station							(2) 3/4"						D
115	1	Storage Cabinet							1"						D
116	1	Soap & Towel Hand Sink	1/2"	12"	1/2"	12"			1-1/2"						D
119	1	Tee Tower	1/2"	12"					1/2"						D
120	1	Drop In, Drink Rail							1/2"						D
121	5	Drop In, Drink Rail							1/2"						D
202	1	Coffee Brewer	1/2"	50"											N, Plumbing trades to provide & install in-line water filter.
203	1	Soda Dispenser							3/4"						D, N
204	1	Hand Sink w/ Side Splashes	1/2"	14"	1/2"	14"				1-1/2"	21"				
205	1	Ice Maker w/ Bin					BRANCH		(1) 1/2", (1) 3/4"						B, D, Filtered water provided by #205A
205A	1	Water Filter	1/2"	96"											B, Providing filtered water to #205
208	1	Mop Sink								2"	STUB-UP 3"				N
208A	1	Faucet	1/2"	36"	1/2"	36"									N

FOODSERVICE PLUMBING SCHEDULE

ITEM	QTY.	DESCRIPTION	COLD WATER		HOT WATER		FILTERED WATER		WASTE CONNECTIONS			GAS CONNECTION			PLUMBING NOTES (SEE SCHEDULE NOTES)
			SIZE	HT.	SIZE	HT.	SIZE	HT.	IW SIZE	DW SIZE	DW HT.	SIZE	HT.	MBTU	
209	1	Soiled Dishtable							2"						D
209A	1	Pre-Rinse Faucet w/ Faucet	1/2"	14"	1/2"	14"									
210	1	Warewasher, Door Type, High Temp	1/2"	14"	1/2"	14"			2"						D, E, N
211	1	Clean Dishtable w/ 3 Compartment Sink							(3) 2"						D
211A	1	Pre-Rinse Faucet w/ Faucet	1/2"	14"	1/2"	14"									
211B	1	Faucet	1/2"	14"	1/2"	14"									
216	1	Hand Sink w/ Side Splashes	1/2"	14"	1/2"	14"				1-1/2"	21"				
217	1	Work Table w/ Sink							2"						D
217A	1	Faucet	1/2"	14"	1/2"	14"									
300	1	Exhaust Hood													P
300A	1	Fire Suppression System													P
301	1	Combi Oven					1/2"	50"	2"			3/4"	30"	152.0	B, D, F, G, Filtered water provided by #301A
301A	1	Water Filter	1/2"	96"											B, Providing filtered water to #301
302	2	Fryer - 40lb.										3/4"	30"	122.0	G
304	1	24" Griddle										1"	30"	64.0	G
305	1	24" Charbroiler										1"	30"	64.0	G
306	1	36" Range										1"	30"	255.0	G
312	1	Hand Sink w/ Side Splashes	1/2"	14"	1/2"	14"				1-1/2"	21"				
401A	1	Walk-In Cooler - Evaporator Coil							3/4"						L
404A	1	Walk-In Freezer - Evaporator Coil							3/4"						L
407A	1	Walk-In Beer Cooler - Evaporator Coil							3/4"						L

PLUMBING SCHEDULE NOTES:

Note: The following notes pertain to individual items as indicated in the plumbing schedule.

A. Plumbing trades to branch 1/2" cold water from rough-in for pre-rinse faucet to disposer cold water inlet. All interconnections from disposer, solenoid valve, flow control valve & vacuum breaker are by Plumbing Trades.

B. Water filter provided by FSEC, to be installed by plumbing trades. Plumbing trade to install filter and provide interconnection from rough-in to filter and from filter to cold water inlet of equipment.

C. Item requires indirect waste and floor sink below counter, coordinate route with General Contractor. Delete bottom of cabinet at floor sink for access.

D. Indirect waste line extended to floor sink by Plumbing Trades.

E. 1/2" cold water supply for wastewater tempering kit. Kit to be installed by plumbing trades.

F. Provide high temperature waste line capable of withstanding temperatures above 140F provided by Pluming Trades.

G. Gas quick disconnect hose assembly & restraining cable provided by FSEC to be installed by Plumbing Trades.

H. Mechanically operated gas shut-off valve provided by FSEC to be installed by plumbing trades. FSEC to interconnect to fire protection system for fuel shut-off to cooking equipment beneath exhaust hoods upon activation of fire protection system.

I. Coordinate ductwork connection size and requirements with manufacturers' shop drawing.

J. Coordinate ductwork & gas service connection to MUA unit with manufacturer's shop drawing.

K. Coordinate interconnections with hood and building alarm system with exhaust hood manufacturer's shop drawing.

L. Evaporator coil indirect waste line extended to floor sink or funnel floor drain by FSEC.

M. Existing equipment to be reused - FSEC to verify utility requirements & location with Owner or Owner's Vendor.

N. Equipment item N.I.C. - FSEC to verify utility requirements & location.

O. Owner Provided Equipment - FSEC to verify utility requirements & location with Owner or Owner's Vendor.

P. Equipment item N.I.C. - Verify utility requirements & location with General Contractor.

SINK SCHEDULE

PRODUCT					GENERAL		MISC	VALVE/FAUCET INFORMATION		FIXTURE UNITS				FLOW INFORMATION	TRAP INFORMATION
MARK	DESCRIPTION	SECTION NUMBER	MANUFACTURER	MODEL	LOCATION	STATUS	ACCESSORIES	FIXTURE MFG	FIXTURE MODEL	DFU	WSFU	CW SFU	HW SFU	FLOZ FLOW (GPM)	INTEGRAL TRAP
SK1	SINK	22 40 00.00	ADVANCE TABCO	DI-1-36	BASEMENT	NEW		--	--	2	4	3	3	0	NO

MECHANICAL TRAP PRIMER SCHEDULE

PRODUCT					GENERAL		MISC
MARK	DESCRIPTION	SECTION NUMBER	MANUFACTURER	MODEL	LOCATION	STATUS	ACCESSORIES
TP	MECHANICAL TRAP PRIMER	22 00 00.00	SOLVE CHIEF	695-01	SEE PLAN	NEW	

DOMESTIC WATER EXPANSION TANK SCHEDULE

PRODUCT					MISC		GENERAL	
MARK	DESCRIPTION	SECTION NUMBER	MANUFACTURER	MODEL	STORAGE VOLUME (GAL(IMP))	ACCESSORIES	LOCATION	STATUS
ET-1	DOMESTIC WATER EXPANSION TANK	22 00 00.00	AMTROL	ST-5	5		STORAGE 103	NEW

FLOOR SINK SCHEDULE

PRODUCT					GENERAL		MISC	FIXTURE UNITS	TRAP INFORMATION
MARK	DESCRIPTION	SECTION NUMBER	MANUFACTURER	MODEL	LOCATION	STATUS	ACCESSORIES	DFU	TRAP PRIMER
FS1	FLOOR SINK	22 13 19.00	WATTS	FS-730	REFER TO PLAN	NEW	12"X12"X6" BUCKET, PROVIDE BASKET STRAINER.	6	YES

POINT-OF-USE THERMOSTATIC MIXING VALVE SCHEDULE

PRODUCT					GENERAL		MISC	DESIGN CONDITIONS
MARK	DESCRIPTION	SECTION NUMBER	MANUFACTURER	MODEL	LOCATION	STATUS	ACCESSORIES	LEAVING WATER TEMPERATURE (°F)
TMV	POINT-OF-USE THERMOSTATIC MIXING VALVE	22 00 00.00	ZURN	ZW3870XL	SEE PLAN	NEW	3/8" TEMPERED OUTLET, WAX OUTLET TEMP. 105°F IN ACCORDANCE WITH ASSE 1070 AND NSF/ANSI 61-9. CSA CERTIFIED.	105

FLOOR DRAIN SCHEDULE

PRODUCT					GENERAL		MISC	FIXTURE UNITS	TRAP INFORMATION
MARK	DESCRIPTION	SECTION NUMBER	MANUFACTURER	MODEL	LOCATION	STATUS	ACCESSORIES	DFU	TRAP PRIMER
FD1	FLOOR DRAIN	22 13 19.00	ZURN	Z-415	REFER TO PLAN	NEW	TYPE "B" STRAINER. PROVIDE WITH COMPLETE BODY ASSEMBLY WITH TRAP PRIMER CONNECTION.	6	YES
FD2	FLOOR DRAIN	22 13 19.00	WATTS	FD-100-EF	KITCHEN 101	NEW	CAST-IRON EPOXY COATED	6	YES

PRESSURE REGULATING VALVE SCHEDULE

PRODUCT					GENERAL		MISC	FLOW INFORMATION
MARK	DESCRIPTION	SECTION NUMBER	MANUFACTURER	MODEL	LOCATION	STATUS	ACCESSORIES	GAS (CFH)
GPR1	GAS PRESSURE REGULATOR	22 00 00.00	---	---	GAS SERVICE	NEW	INLET PRESSURE: 2 PSI, OUTLET PRESSURE: 10" W.C. GAS REGULATOR TO REGULATE GAS TO WITHIN MANUFACTURER GUIDELINES ACROSS THE FULL POSSIBLE GAS DEMAND OF EACH EQUIPMENT. GRAY SPRING.	749

PLUMBING GAS LOAD SCHEDULE

Total Measured Length of Pipe: 90 Ft.	Pressure Drop: 3 In. W.C.	Delivery Pressure After Meter & PRV: 10 In. W.C.	Gas Type: Natural Gas

MARK	DESCRIPTION	STATUS	GAS HTG (CFH)	MIN GAS PRESSURE (INCHES W.C.)	MAX GAS PRESSURE (INCHES W.C.)
301	GENERIC GAS CONNECTION	--	152	6.5	10
302	GENERIC GAS CONNECTION	--	122	4	10
304	GENERIC GAS CONNECTION	--	64	7	10
305	GENERIC GAS CONNECTION	--	64	7	10
306	GENERIC GAS CONNECTION	--	225	7	10
TOTAL GAS LOAD: 749 CFH					

GAS EQUIPMENT SCHEDULE

PRODUCT								GENERAL			MISC	FLOW INFORMATION		
MARK	DESCRIPTION	SECTION NUMBER	MANUFACTURER	MODEL	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)	OPERATING WEIGHT (LB)	FUEL	LOCATION	STATUS	ACCESSORIES	GAS HEATING IN (FT³/H)	MAXIMUM GAS PRESSURE (INW.G)	MINIMUM GAS PRESSURE (INW.G)
305	GAS EQUIPMENT	22 14 26.00	REFER TO FOOD SERVICE	REFER TO FOOD SREVICE	--	--	--	260	NATURAL GAS	REFER TO PLANS		REFER TO FOOD SERVICE	64	10	7
306	GAS EQUIPMENT	22 14 26.00	REFER TO FOOD SERVICE	REFER TO FOOD SREVICE	--	--	--	759	NATURAL GAS	REFER TO PLANS		REFER TO FOOD SERVICE	225	10	7
302	GAS EQUIPMENT	22 14 26.00	REFER TO FOOD SERVICE	REFER TO FOOD SREVICE	--	--	--	208	NATURAL GAS	REFER TO PLANS		REFER TO FOOD SERVICE	122	10	4
304	GAS EQUIPMENT	22 14 26.00	REFER TO FOOD SERVICE	REFER TO FOOD SREVICE	--	--	--	208	NATURAL GAS	REFER TO PLANS		REFER TO FOOD SERVICE	64	10	7
301	GAS EQUIPMENT	22 14 26.00	REFER TO FOOD SERVICE	REFER TO FOOD SREVICE	--	--	--	405	ELECTRIC	REFER TO PLANS		REFER TO FOOD SERVICE	152	10	6.5

MOP SINK SCHEDULE

PRODUCT					GENERAL		MISC	VALVE/FAUCET INFORMATION		FIXTURE UNITS			FLOW INFORMATION	TRAP INFORMATION
MARK	DESCRIPTION	SECTION NUMBER	MANUFACTURER	MODEL	LOCATION	STATUS	ACCESSORIES	FIXTURE MFG	FIXTURE MODEL	DFU	WSFU	CW SFU	FLOZ FLOW (GPM)	INTEGRAL TRAP
208	MOP SINK	22 40 00.00	ADVANCE TABCO	9-OP-20	KITCHEN	NEW	PROVIDE MOP HANGER MODEL# K-242 AND HOSE AND HANGER MODEL# K-244.	TABCO	K-240	2	3	2.25	9.6	NO

PLUMBING HEAT TRACE PANEL SCHEDULE

PRODUCT					GENERAL		MISC	ELECTRICAL														
MARK	DESCRIPTION	SECTION NUMBER	MANUFACTURER	MODEL	LOCATION	STATUS	ACCESSORIES	ELECTRIC CONNECTION SUMMARY	CONTROL FURNISHED BY	CONTROL INSTALLED BY	CONTROL TYPE	CONTROL WIRED BY	FLA	KW HTG	MCA	MOTOR CONTROL FURNISHED BY	MOTOR CONTROL INSTALLED BY	MOTOR CONTROL TYPE	MOTOR CONTROL WIRED BY	MOTOR HP	OCP	WATTS	FAULT CURRENT
HT1	PLUMBING HEAT TRACE PANEL	22 00 00.00	CHROMALOX	CPA3-1				HT1 - 120V/1PH, 50 KW HTG, 15A FLA	PC	PC	LINE	PC	15	50.00 KW	--	--	--	--	--	--	--	--	--	--

PLUMBING SOLENOID VALVE SCHEDULE

PRODUCT					GENERAL		MISC	ELECTRICAL														
MARK	DESCRIPTION	SECTION NUMBER	MANUFACTURER	MODEL	LOCATION	STATUS	ACCESSORIES	ELECTRIC CONNECTION SUMMARY	CONTROL FURNISHED BY	CONTROL INSTALLED BY	CONTROL TYPE	CONTROL WIRED BY	FLA	KW HTG	MCA	MOTOR CONTROL FURNISHED BY	MOTOR CONTROL INSTALLED BY	MOTOR CONTROL TYPE	MOTOR CONTROL WIRED BY	MOTOR HP	OCP	WATTS	FAULT CURRENT
SV-1	PLUMBING SOLENOID VALVE	22 00 00.00	ASCO	8214 SERIES	COOKLINE		PROVIDE PROOF OF CLOSURE OPTION, VALVE SHALL BE 221.21 / 6.5 COMPLIANT	SV-1 - 120V/1PH, 35.1 W	EC	EC	LINE	EC	--	--	--	--	--	--	--	--	--	35.10 W	--

TANK TYPE ELECTRIC WATER HEATER SCHEDULE

PRODUCT						MISC		GENERAL			ELECTRICAL										DESIGN CONDITIONS	
MARK	DESCRIPTION	SECTION NUMBER	MANUFACTURER	MODEL	OPERATING WEIGHT (LB)	STORAGE VOLUME (GAL(IMP))	ACCESSORIES	LOCATION	STATUS	EFFICIENCY	ELECTRIC CONNECTION SUMMARY	CONTROL FURNISHED BY	CONTROL INSTALLED BY	CONTROL TYPE	CONTROL WIRED BY	FLA	KW HTG	MCA	MOTOR CONTROL FURNISHED BY	MOTOR CONTROL INSTALLED BY	MOTOR CONTROL TYPE	MOTOR CONTROL WIRED BY	MOTOR HP	OCP	WATTS	FAULT CURRENT	ENTERING WATER TEMPERATURE (°F)	LEAVING WATER TEMPERATURE (°F)
WH1	TANK TYPE ELECTRIC WATER HEATER	22 33 00.00	STATE	SSE-120A	453	120		STORAGE		0.98	WH1 - 208V/3PH, 24 KW HTG, 66.6A FLA	WFR	WFR	INT	WFR	66.6	24.00 KW	--	--	--	--	--	--	--	--	--	40	140

DOMESTIC HOT WATER CIRCULATION PUMP SCHEDULE

PRODUCT							GENERAL			MISC	FLOW INFORMATION		ELECTRICAL													
MARK	DESCRIPTION	SECTION NUMBER	MANUFACTURER	MODEL	OPERATING WEIGHT (LB)	ENTERING PSIG (PSIG)	LEAVING PSIG (PSIG)	FUEL	LOCATION	STATUS	ACCESSORIES	FLOZ FLOW (GPM)	PUMP HEAD (FEETOFHEAD)	ELECTRIC CONNECTION SUMMARY	CONTROL FURNISHED BY	CONTROL INSTALLED BY	CONTROL TYPE	CONTROL WIRED BY	FLA	KW HTG	MCA	MOTOR CONTROL FURNISHED BY	MOTOR CONTROL INSTALLED BY	MOTOR CONTROL TYPE	MOTOR CONTROL WIRED BY	MOTOR HP	OCP	WATTS	FAULT CURRENT
CP-1	DOMESTIC HOT WATER CIRCULATION PUMP	22 11 23.00	TACO	008	12	55.2	61.2	ELECTRIC	KITCHEN		CONTROLLED BY T3MCLOCK AND AQUASTAT.	4	13.8	CP-1 - 120V/1PH, 0.04 HP, 0.79A FLA	PC	PC	LINE	EC	0.79	--	--	MFR	MFR	MS	MFR	0.04	--	--	--

Stantec

KLH ENGINEERS
KOHRS LONNEMANN HEIL ENGINEERS, INC.
MECHANICAL/ELECTRICAL ENGINEERS
WWW.KLHENGRS.COM

1538 ALEXANDRIA PIKE, SUITE 11 — LEXINGTON, KENTUCKY
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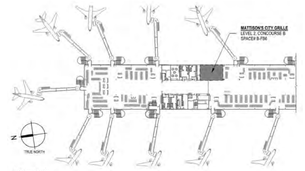
800-354-9783 859-442-8050 — COLUMBUS, OHIO
859-442-8058 FAX — NEW YORK, NEW YORK

Consultant

Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
PLUMBING - SCHEDULES

Project No. | Scale

Revision | Drawing No.
P-601

11/4/2025 1:37:29 PM

ORIGINAL SHEET - ARCH D

SECTION 22 05 00.00 - COMMON WORK RESULTS FOR PLUMBING

GENERAL

The General Provisions of the Contract including the General and Supplemental Conditions and General Requirements apply to the work in this section. Before submitting a bid, examine documents of all other trades, visit the site and get acquainted with all conditions that may in any way affect the execution of this contract. Contractor shall obtain and pay for all permits, certificates of inspection and approvals required.

Submittal of a bid indicates that the contractor has examined the drawings, specifications, and had an opportunity to visit the site to be able to provide a comprehensive complete bid to include providing all materials, labor, tools, and equipment required to provide complete plumbing systems as outlined in Division-22. Contractor shall be responsible for all the costs associated with work provided by the utility company, including tap fees, installation costs, materials, equipment, road cuts, and bores if applicable.

Clearly state all full load amps (FLA), voltages and model numbers on all submittals.

Include rated capacities, operating characteristics, electrical characteristics, and furnished specialties and accessories. Provide wiring diagrams: For power, signal, and control wiring.

APPLICABLE STANDARDS

The installation of all plumbing work shall conform to all the following, but not limited, applicable local and municipal utility standards, rules and regulations, plumbing codes and statutes having jurisdiction.

All plumbing fixtures, equipment, accessories, and appurtenances shall be NSF/ANSI 61-372 compliant.

FLORIDA Building Code;
FLORIDA Plumbing Code;
American Society for Test Materials (ASTM);
National Sanitation Foundation (NSF);
American Standards Association (ASA);
Underwriters Laboratories (UL);
National Fire Protection Association (NFPA);
National Electric Code (NEC);

PLANS AND SPECIFICATIONS

Obtain the latest owner design and construction standards document(s). Comply with all owner-specific requirements in addition to requirements set forth in these specifications and accompanying drawings. Should there be a conflict, the owner's standards shall take precedence, unless prevailing codes and regulations mandate otherwise.

The drawings that accompany these specifications are diagrammatic. Wherever possible make use of submittal data and verify all dimensions on site. Provide additional fittings as required by site conditions and codes at no additional cost to conform to the structure, avoid obstructions, provide required service clearances and preserve headroom. Do not scale from drawings, all measurements should be taken in the field.

EXISTING CONDITIONS

Where new plumbing systems are required to be connected to existing plumbing systems, provide all camera scoping and dye testing necessary to verify the exact location, size, invert elevation, pressure, pipe integrity, and system type to ensure a proper connection is executed. The contractor shall notify the engineer immediately if it is found a proper connection cannot be executed.

CUTTING, PATCHING AND DEMOLITION

The contractor shall be responsible for damages to the grounds, walks, road, building, piping systems, electrical systems, and their equipment and contents, caused by leaks in the piping systems being installed or having been installed by him. The contractor shall repair at his expense all damaged so caused. All repair work shall be done as directed by and in such manner as satisfactory to the architect.

Owner reserves the right to make emergency repairs as required to keep equipment in operation without voiding the contractor's guarantee bond nor relieving the contractor of his responsibilities during the bonding period. Cut and drill all openings in roofs, walls, and floors required for the installation. Neatly patch all openings cut. Hold cutting and patching to a minimum by arranging with other contractors for all sleeves and openings before construction is started. When drilling/cutting concrete slabs, utilize ground penetrating radar (GPR) and/or X-ray scanning equipment to verify the location is free from obstructions, including but not limited to: structural rebar/strands/tendons, electrical conduit/wiring, and/or piping/ductwork.

INTERRUPTION OF EXISTING SERVICES

Interruption of Existing Plumbing Services: Do not interrupt service to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary service according to requirements indicated:

Notify, Architect, Construction Manager, and Owner no fewer than seven days in advance of proposed interruption of service.

Do not proceed with interruption of service without Architect's written permission.

WARRANTY

This contractor shall warrant that all work under this section shall be free of defective work, materials and parts for a period of one year after acceptance of the work and shall repair, revise, and replace, at no cost to the owner, any such defects occurring within the warranty period.

Use of Electronic Drawings from the Owner's Design Team

If expressly permitted by the Owner and the terms of the Contract, editable electronic drawings may be made available for the creation of shop and as-built drawings upon request. Drawings will be made available at the discretion of the Engineer. "Request Drawings" form can be accessed, filled out and submitted at http://www.klhengrs.com (right hand side of page - Contractor Resources). Direct access to this form can be found here: http://files.klhengrs.com/requestdrawings.html

22 05 03.00 - SUBMITTALS FOR PLUMBING

Provide submittals in accordance with the Contract Documents. In addition to Division 01, the Contractor is advised to review and comply with the requirements articulated within each Division and within each section of that Division.

Some Divisions may include a division-specific "Submittal Requirements for …" section. Where this section exists, it articulates additional requirements for submittals that apply to the work of that Division.

The following requirements help to identify, track and keep the project organized for all parties involved. They are necessary to ensure a timely turnaround and an appropriate technical review. Submittals that do not conform to the administrative requirements are rejected and returned, without technical review.

Supply submittals for each section: Submittals shall be supplied on a section-by-section and type-by-type basis. For example, independent product data submittals shall be furnished for each section that requires product data submittals. Independent shop drawing submittals shall be furnished for each section that requires shop drawings. Separate PDF file packages shall be supplied for each section, for each submittal type. Each PDF shall represent a single standalone submittal.

Include a transmittal: Transmittals shall enumerate each submittal for each section of each type and iteration.

Include cover sheet / title page: The cover sheet shall include the information identified in the contract documents. It shall be included as the first page of each electronic and/or hardcopy document-based submittal. An editable and printable PDF form created with editable fields and specification compliant appearance is available from KLH upon request. It is also downloadable from the KLH website at www.klhengrs.com.

Include an index: The index shall enumerate the contents of the submittal.

Include checklists: Where checklists are included with the specifications, complete and include them within the appropriate submittal. Supply complete submittals: Complete submittals of each type are required. Partial submittals will be rejected. Where a section requires a product data submittal, all product data for that section shall be supplied together, at one time, as one complete submittal. When resubmittal is required (e.g. Revise and Resubmit) the revised submittal shall be more complete, more accurate and more contract-compliant than its rejected predecessor. The submittal number (for each section and type) shall increment for each subsequent submittal (00 – Original submission, 01 – First Resubmission, 02 – Second Resubmission, etc…).

Resubmittals shall include a copy of the reviewers comments supplied with the prior submittal rejection and shall be amended with a description of the specific action taken to comply with the reviewer's comments. The absence of this on resubmittal is cause for rejection.

Name electronic files to match the submittal ID and cover sheet: The electronic file name of submittals shall match the submittal ID included on the submittals cover page. For example: The original/first product data submittal for Section 220523 would be labeled as "220523.00-PD-00"; the first resubmittal of same shall be labeled "220523.00-PD-01". The original/first shop drawings submittal file for the same section would be labeled "220523.00-SD-00"; the first resubmittal of same shall be labeled "220523.00-SD-01".

If expressly permitted by the Owner and the terms of the Contract, editable electronic drawings may be made available for the creation of shop and as-built drawings upon request. Drawings will be made available at the discretion of the Engineer.

"Request Drawings" form can be accessed, filled out and submitted at http://www.klhengrs.com (right hand side of page - Contractor Resources). Direct access to this form can be found here:
http://files.klhengrs.com/requestdrawings.html

22 05 17.00 – SLEEVES AND SLEEVE SEALS FOR PLUMBING PIPING

SLEEVES

Steel Pipe: ASTM A 53, Type E, Grade B, Schedule 40, galvanized, plain ends.

EXECUTION

Install steel pipe sleeves two sizes larger than pipes passing through floors, rated walls, building foundation walls or masonry construction. Sleeves are not required for core drilled holes.

For sleeves that will have sleeve-seal systems installed, select sleeves of size large enough to provide 1-inch annular clear space between piping and concrete slabs and walls.

Install sleeves in concrete floors, concrete roof slabs, and concrete walls as new slabs and walls are constructed. Permanent sleeves are not required for holes in slabs formed by molded-PE or -PP sleeves.

Cut sleeves to length for mounting flush with both surfaces.

Exception: Extend sleeves installed in floors of mechanical equipment areas or other wet areas 2 inches above finished floor level.

Using grout, seal the space outside of sleeves in slabs and walls without sleeve-seal system.

Install sleeves for pipes passing through interior partitions. Cut sleeves to length for mounting flush with both surfaces.

Install sleeves that are large enough to provide 1/4-inch annular clear space between sleeve and pipe or pipe insulation.

Seal annular space between sleeve and piping or piping insulation; use joint sealants appropriate for size, depth, and location of joint.

Seal sleeves and piping with material rating equivalent to the wall rating. Maintain indicated fire rating of walls, partitions, ceilings, and floors at pipe penetrations. Seal pipe penetrations with firestop materials where required.

22 05 23.00 - GENERAL DUTY VALVES

Submittal Requirements
Product Data: For each type of product indicated.
GENERAL
Provide stops or isolation valves on domestic water supplies to isolate hot and cold water to each fixture, including all equipment and equipment provided by others. Access shall be provided to all valves. Provide fire-rated access panel(s) to maintain full access to concealed valves.
Ball valves - 2 inch and smaller: Lead-Free, 150 psi @ 250ºF minimum pressure rating, cast bronze body, blowout-proof stem.
Butterfly Valves - 3" and up: Ductile Iron Butterfly Valve, 200 WOG, Lug Body, Lever Operator.
Approved Manufacturers: Milwaukee Valve, NIBCO, and Watts Water Technologies Co.
Valves to conform to: MSS-SP-110 Type I/ MSS-SP-67 Type I, NSF/ANSI -61/372.
Check valves - to be same size as system piping it accompanies. Lead-free, bronze body, 250 WOG, non-shock, spring check valve. Conforms to the following standard(s): MSS-SP-80 I, NSF/ANSI -61/372

22 05 29.00 – HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT

GENERAL
Provide hangers, supports, clamps, attachments, and structural steel members where required to support piping and equipment from building structure.
Support of piping from the decking or equipment is prohibited.
Arrange for grouping of parallel runs of horizontal piping supported together on field-fabricated, heavy-duty trapeze hangers where possible. Trapeze hangers shall conform to: MSS SP-69, Type 59. Horizontal-Piping Clamps: Provide Carbon- or Alloy-Steel, Double-Bolt Pipe Clamps (MSS Type 3) for suspension of pipes requiring clamp flexibility and up to 4 inches of insulation.
Vertical-Piping Clamps: Provide extension pipe or Riser Clamps (MSS Type 8) for support of pipe risers.
Hangers shall be sized to allow insulation to pass through unobstructed.
Hanger and support types:
Hangers: Provide adjustable, Steel Clevis Hangers (MSS Type 1) for suspension of noninsulated or insulated, stationary pipes.
Horizontal-Piping Clamps: Provide Carbon- or Alloy-Steel, Double-Bolt Pipe Clamps (MSS Type 3) for suspension of pipes requiring clamp flexibility and up to 4 inches of insulation.
Vertical-Piping Clamps: Provide extension pipe or Riser Clamps (MSS Type 8) for support of pipe risers.
Hangers and supports shall be placed at all changes in direction, valves and equipment.
The maximum horizontal spacing of cast-iron pipe hangers can be 10' where 10-foot lengths of pipe are installed.
Piping shall also be supported at each change in direction, valves and equipment.
Clevis-type hangers shall and supports shall conform to: MSS SP-58, Type 1-58.

22 11 16.00 –HEAT TRACING FOR PLUMBING PIPING

Submittal Requirements
Product Data: For each type of product indicate rated heating capacities, length of cables, and controllers. Clearly state model numbers on all submittals.
Delegated-Design Submittal: For installed products indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation. Delegated design submittals include the following:
Heat Trace Circuit Layout Drawings, including: Location/identification of area to be traced, heater circuit number, electrical load, heater catalog numbers, heater termination points, start-up temperature, location of all components, material list and quantities of all components, heating cable layout.
GENERAL
SELF-REGULATING, PARALLEL-RESISTANCE HEATING CABLES FOR PIPE FREEZE PROTECTION AND GREASE WASTE FLOW MAINTENANCE
Basis-of-Design Product: Subject to compliance with requirements, provide RAYCHEM, a brand of nVent; XL-Trace Pipe Freeze/Flow Maintenance or comparable product by one of the following:
Chromalox inc.
Thermon Americas Inc.
Source Limitations: Obtain heat-tracing components and controllers from single manufacturer. To ensure system integrity and meet warranty requirements, only components and controllers supplied by cable manufacturer are to be used.
Heating cable and connection kit shall be included in a UL Listed, CSA Certified, and FM Approved system.
SYSTEM DESCRIPTION
Complete pipe freeze protection system for insulated pipes exposed to the risk of freezing, flow maintenance and grease waste . System consists of a self-regulating heating cable, connection kits, accessories, and energy-efficient control, monitoring, and Building Management System (BMS) communication capabilities. The heating cable shall have an approved suitable jacket for above ground water piping applications, and an approved suitable jacket for below ground grease waste piping applications.
Grease flow maintenance of above ground, sanitary grease waste piping.
Delegated Design: Engage manufacturer to design complete and functional heat-tracing system as required by Project documents.
Maximum Operating and Exposure Temperature: 150 deg F.
INSTALLATION
All heat-tracing components including power connections, splices, tees, crosses or end seal, must be installed above grade and protected from abuse or damage. In accordance with NEC and CEC, electrical connections are not permitted to be installed below grade.
In the field, all heating cables shall be meggered with a minimum of 2,500 V dc for self-regulating cable when the cable is received at the Project Site prior to installation, after installation but prior installation of insulation, after insulation is installed, and at final commissioning prior to being energized.
Installation to conform to all NEC and IEEE applicable standards.
PROTECTION
Protect installed heating cables, including non-heating leads, from damage and moisture ingress during construction. Remove and replace damaged heat-tracing cables as necessary to ensure a complete and functioning system.

22 05 53.00 - IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT

PIPING
Provide self-adhesive pipe labels with white background and black lettering, contact type with permanent adhesive backing. Include identification of piping service using same designations or abbreviations as used on the drawings and an arrow indicating flow direction.
EQUIPMENT
Provide self-adhesive plastic equipment labels with white background and black lettering, contact type with permanent adhesive backing, 160 degree F temperature. Include equipment's drawing designation and specification section number where equipment is specified.

22 07 19.00 – PLUMBING SYSTEM INSULATION

GENERAL
Insulation shall be listed and labeled per ASTM E 84 for plenum installations employing slip on techniques.
Provide insulation materials, accessories, and finishes with smooth, straight, and even surfaces; free of voids throughout the length of piping including fittings, valves, and specialties.
Surface Preparation: Clean and dry surfaces to receive insulation. Remove materials that will adversely affect insulation application.
PIPING SYSTEMS REQUIRING INSULATION
Insulate domestic cold water piping, associated fittings and valves with flexible elastomeric 1/2" wall thickness insulation.
Insulate domestic hot water piping, associated fittings and valves with 1" thick flexible elastomeric, 1-1/2" thick fiberglass insulation or per local energy code, whichever greater.
Insulate domestic hot water return piping, associated fittings and valves with 1" wall thickness insulation or per local energy code, whichever greater.
Insulate waste piping above ceilings that receive condensate with 1/2" wall thickness insulation.
Insulate exposed sanitary drains, domestic water, domestic hot water, and stops for plumbing fixtures for people with disabilities.
FLEXIBLE ELASTOMERIC INSULATION
Closed-cell, sponge- or expanded-rubber materials. Comply with ASTM C 534, Type I for tubular materials and Type II for sheet materials.
Adhesives, Sealers, and Protective Finishes: As recommended by insulation manufacturer for applications indicated.
Manufacturers: Subject to compliance with requirements, available products that may be incorporated into the work include, and are limited to, the following:
Aeroflex USA, Inc.; Aerocel., Armacell LLC; AP Armaflex.,K-Flex USA;
FIBERGLASS INSULATION
Fiberglass piping insulation: ASTM C 547, Class 1
Encase pipe fittings insulation with one-piece pre-molded PVC fitting covers.
Vapor Barrier Material: Paper-backed aluminum foil, except as otherwise indicated, strength and permeability rating equivalent to adjoining pipe insulation jacketing.
Staples, Bands, Wires, and Cement: As recommended by insulation manufacturer for applications indicated.
Adhesives, Sealers, and Protective Finishes: As recommended by insulation manufacturer for applications indicated.
Manufacturers: Subject to compliance with requirements, available products that may be incorporated into the work include, and are limited to, the following:
Armstrong World Industries, Inc., Owens-Corning Fiberglass Corp., Johns Manville.
ADHESIVES
Materials shall be compatible with insulation materials, jackets, and substrates and for bonding insulation to itself and to surfaces to be insulated, unless otherwise indicated.
Insulation for handicap accessible fixtures
All handicap lavatory p-trap and angle stop assemblies shall be insulated with trap wrap protective kit manufactured by Proflo model PF202WH or equal.
Abrasion resistant, anti-microbial vinyl exterior cover shall be smooth. For traps, the insulation shall have a cleanout nut cap to allow service to the trap without disassembly. For stops, the insulation shall have a lock lid that prevents tampering but allows access without removal of the insulation. Fasteners shall remain substantially out of sight.
Manufacturers: subject to compliance with requirements: Proflo, Truebro, Plumberex

22 11 16.00 – DOMESTIC WATER PIPING

Submittal Requirements
Product Data: For each type of product indicated.
GENERAL
Install piping concealed from view unless noted otherwise, free of sags and bends. Do not enclose, cover, or put piping into operation until it has been inspected and approved by authorities having jurisdiction. Clean and disinfect potable domestic water piping using approved procedures by authorities having jurisdiction or AWWA C651, whichever is more rigorous.
Install at right angles; diagonal runs are prohibited unless otherwise shown. Install piping above accessible ceilings to allow sufficient space for ceiling panel removal.
Coordinate all piping with all other trades.
Provide water pressure regulators where necessary to limit the incoming water pressure to 80 psi inside the building.
DOMESTIC WATER PIPING ABOVE GROUND:
Hard copper tube, ASTM B 88, Type L; wrought-copper, solder-joint fittings; and soldered joints.
Solder Filler Metals: ASTM B 32, lead-free alloys.
Flux: ASTM B 813, water flushable.
Type "L"; copper pressure-seal joint; and pressure-seal joint systems.
CATHODIC PROTECTION
Provide dielectric insulation at points where copper or brass pipe comes in contact with ferrous piping, reinforcing steel or other dissimilar metal in structure.

22 11 19.00 – DOMESTIC WATER PIPING SPECIALTIES

Submittal Requirements
Product Data: For each type of product indicated.
Manufacturers: Subject to compliance with requirements, available products that may be incorporated into the work include, and are limited to, the following:
Conbraco Industries, Inc., Watts Water Technologies Co., Zurn Industries, LLC., Thermomegatech, Acorn Engineering Co., and Caleffi, N. America., MIFAB, Inc., Precision Plumbing Products, Inc., Sioux Chief Manufacturing Company, Inc., Jay R. Smith Mfg. Co., Provent Systems, Rector Seal.
DUAL CHECK VALVE BACKFLOW PREVENTER
Provide a dual check valve backflow preventer that complies with ASSE 1022 at connection of domestic water supply to any permanently connected potable water dispensing equipment such as ice makers, coffee machines, and beverage dispensers or where indicated in the contract documents.
Beverage dispensing equipment backflow preventer
Provide a continuous pressure backflow preventer with stainless steel body, threaded connections and complies with ASSE 1022.
Carbonated beverage dispenser backflow preventer
Provide a continuous pressure dual check valve backflow preventer with stainless steel body, threaded connections and complies with ASSE 1032.
BALANCING VALVES
Provide balancing valves where required for proper balancing of water systems as shown on the contract documents.
Balancing valves shall be equal to Red-White Valve Corporation model 9517AB (NPT) or model 9519 (solder). Valve shall have brass body, globe valve regulation and isolation properties, fixed orifice design for precise measurement, integral memory stop to ensure repeatable setting, full shutoff without affecting memory settings, high and low pressure metering points, precision indicator windows, rugged top set hand-wheel assembly, pressure rating of 300 psi, and temperature rating of 15 deg. F to 260 deg. F.
VACUUM BREAKERS
Vacuum breakers shall be equal to Watts model LF288A for piping connections or Watts LF8 series for hose connections. Vacuum breakers shall comply with ASSE 1001 for piped connections, ASSE 1011 for hose connections, bronze body and threaded connections with rough bronze finish.
PRESSURE REDUCING VALVES
Provide pressure reducing valve to regulate incoming domestic water pressure in excessive of 80 psig. Pressure reducing valve shall be equal to Watts model LF223S, comply with ASSE 1003, initial working pressure of 300 psig, integral strainer, lead-free brass body with threaded connections.
STRAINERS
Provide lead-free wye-pattern strainer rated for 125 psig minimum, bronze body, threaded connections, stainless steel screen with round perforations of 0.020 inch and pipe plug drain. Provide strainers on supply side of each pressure reducing valve, solenoid valve and pump.
TRAP-SEAL PRIMER DEVICE
The plumbing contractor shall provide trap primers for all floor drains. Provide access panel in wall or ceiling for all concealed trap primers. Install trap seal primer valves with outlet piping pitched down toward drain trap a minimum of 1% and connect to floor drain body, trap or inlet fitting. Coordinate exact location with architect prior to installation.
WATER TAB METERS
Displacement-Type Water Meters:
Plumbing contractor to coordinate with owner for exact model and manufacturer.
Description: Displacement-Type Water Meter complying with AWWA C700.
Remote Registration System: Direct-reading type complying with AWWA C706; modified with signal-transmitting assembly, low-voltage connecting wiring, and remote register assembly as required by landlord or owner. Mount reader in an accessible location.
WATER HAMMER ARRESTERS
Provide water-hammer arresters in water piping according to PDI-WH 201.
Standard: ASSE 1010 or PDI-WH 201.
Type: Metal bellows or copper tube with piston.
Size: ASSE 1010, sizes AA and A through F, or PDI-WH 201, sizes a through F.

22 11 23.00 – RECIRCULATION DOMESTIC WATER PUMP

Submittal Requirements
Product Data: For each type of product indicated.
GENERAL
Hot-water circulating pump shall be constructed of the following; in-line wet-rotor, lead-free bronze body, plastic impeller, with ceramic bearings. Working pressure to be a minimum 125 psig with a maximum continuous operating temperature of 220º F.
Pump shall be controlled with an aquastat and timer.
Aquastat: Electric; surface mounted sensing element. Adjustable temperature control of hot-water circulation from 65 to 200 ºF.
Timer: Electric; for control of hot-water circulation. Programmable type, seven-day, twenty-four hour clock with manual override on-off switch. Programmable for pre-set times during the day for each day for seven days.
Approved Manufacturers: Armstrong Pumps Inc, Bell & Gossett/Goulds Water Technology; Xylem Inc., Taco inc., Honeywell International inc.
Pumps shall conform to: UL 778, NSF 61/372.
CONNECTIONS
On water heating systems with separate storage tanks, interlock pump between water heater(s) and hot-water storage tank(s) with water heater burner and time-delay relay.

22 13 16.00 - SANITARY, WASTE AND VENT PIPING SYSTEM

Submittal Requirements
Product Data: For each type of product indicated.
GENERAL
Provide a complete soil, waste and vent system in the building and on the site as indicated on the drawings and as specified herein.
Above ground soil, waste and vent piping within buildings including soil stacks, vent stacks, horizontal branches, traps, and connections to fixtures and drains.
Underground building drain piping including mains, branches, traps, connections to fixtures and drains, and connections to stacks, terminating at connection to existing sanitary sewer.
INTERIOR PIPING ABOVE GRADE
Solid wall schedule 40 PVC pipe and fittings 1-1/2" and larger shall conform to ASTM D 2665 / ASTM D 1785 DWV. Fittings shall conform to ASTM D 2665, made to ASTM D, DWV patterns and fit schedule 40 pipe.
Contractor shall maintain integrity of fire ratings. Piping shall not be run in plenum spaces and contractor shall provide intumescent collars when penetrating a rated wall, floor, or other assembly
Piping alignment shall be as indicated on the drawings using approved wye branches or eight bands for direction changes and shall be surely supported or secured to maintain such alignment.
Soil, waste and vent piping smaller than 1-1/2" shall be Type "M" copper and conform to ASTM B-306.
BELOW GRADE PIPING
Solid wall schedule 40 PVC pipe and fittings 2" and larger shall conform to ASTM D 2665 / ASTM D 1785 DWV. Fittings shall conform to ASTM D 2665, made to ASTM D, DWV patterns and fit schedule 40 pipe.
Piping alignment shall be as indicated on the drawings using approved wye branches or eight bands for direction changes and shall be surely set and buried to maintain such alignment.
Soil, waste and vent piping smaller 1-1/2" and smaller below grade shall not be permitted
Slope piping according to local codes.
Protection shall be given to all footings and other structural elements during underground work adjacent to such items. Refer to architectural and/or structural drawings for locations.
Vent all fixtures, connect branch vents to main vent risers at least six inches above flood rim of fixtures. Pitch vent lines back to soil or waste pipe, free of drops and sags.
Cleanouts shall be full size of pipe up to 4", and 4" for larger sizes. For underground and concealed lines, provide cleanouts in accessible positions at each right angle turn and at intervals not to exceed fifty feet. In floors, install flush with finish floor with extension pipe from cleanout wye.

22 13 19.00 - SANITARY WASTE PIPING SPECIALTIES

Submittal Requirements
Product Data: For each type of product indicated.
CLEANOUTS
Floor cleanout equal to Zurn Z-1400 adjustable floor cleanout.
Wall cleanout equal to Zurn Z-1443 with smooth nickel bronze square wall access panel and frame.

Provide a sanitary tee with threaded cap cleanout plug for changes-in-direction in aboveground horizontal waste piping.
Manufacturers: Subject to compliance with requirements, available products that may be incorporated into the work include, and are limited to, the following:
Jay R Smith MFG. Co., Watts Drainage Products Inc., Zurn Plumbing Products Group.
FLOOR DRAINS
Provide floor drains in compliance with ASME A112.6.3.
Provide floor drains with trap-seal primer fitting. All floor drains located in rooms with tile floors shall be provided with manufacturer's standard square grate, unless noted otherwise.
Refer to plumbing drain schedule for project specific floor drain manufacturers and models.
Manufacturers: Subject to compliance with requirements, available products that may be incorporated into the work include, and are limited to, the following:
Jay R Smith MFG. Co., Watts Drainage Products Inc., Zurn Plumbing Products Group.
FLOOR SINKS
Provide floor sinks in compliance with ASME A112.6.7. All floor sinks shall have a cast iron body unless noted otherwise. All floor sinks located in a commercial kitchen to have a half grate cover unless noted otherwise.
Refer to plumbing drain schedule for project specific floor drain manufacturers and models.
Manufacturers: Subject to compliance with requirements, available products that may be incorporated into the work include, and are limited to, the following:
Jay R Smith MFG. Co., Watts Drainage Products Inc., Zurn Plumbing Products Group.

22 16 13.00 - NATURAL GAS PIPING SYSTEMS

Submittal Requirements
Product Data: For each type of product indicated.
GENERAL
Plumbing contractor shall be responsible for installing gas piping run-outs to all gas-fired equipment, including equipment supplied by the HVAC and electric contractors. Piping shall be installed full-size (as indicated on the drawings) to each units' gas inlet connection, burner, regulator, etc. Plumbing subcontractor shall provide gas cock and make final connections. Connections to each gas-fired equipment item shall include a drip leg and shutoff gas cock. Comply with equipment manufacturer's instruction. For connections to gas-fired rooftop equipment, plumbing contractor shall be responsible for the roof penetration and shall install the gas piping through the roof in a location that has been coordinated with the HVAC contractor. Contractor shall be responsible for all the costs associated with work provided by the utility company, including tap fees, installation costs, materials, equipment, road cuts, and bores if applicable.
BUILDING DISTRIBUTION PIPING:
All piping from meter/regulator to gas fired equipment connections shall be black steel.
Steel Pipe: ASTM A 53/A 53M, black steel, Schedule 40, Type E or S, Grade B.
Pipe size 2" and smaller: Malleable-Iron Threaded Fittings
Malleable-Iron Threaded Fittings: ASME B16.3, Class 150, standard pattern.
Press-Connect fittings: Carbon steel, cold-pressed, ANSI LC4/CSA 6.32
Pipe size 2-1/2" and larger: Wrought-Steel Welding Fittings for butt welding and socket welding.
Wrought-Steel Welding Fittings: ASTM A 234/A 234M for butt welding and socket welding.
Field prepare and paint exterior natural gas piping, fittings, etc… with alkyd anticorrosive metal primer and topcoat with exterior alkyd enamel flat. Color to match building exterior and approved by the architect
GENERAL DUTY VALVES:
Metallic valves 2 inches and smaller shall comply with ASME B16.33, cold working pressure of 125 psig.
Metallic valves larger than 2 inches shall comply with ASME B16.38, cold working pressure of 125 psig.
Provide one-piece ball valves with bronze body, chrome-plated brass ball, blowout proof stem and seat, and bronze trim complying with MSS SP-110.
Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, and limited to, the following:
Milwaukee valve, NIBCO, and Watts Water Technologies co.
SOLENOID VALVES
Provide brass or aluminum solenoid valve with nitrile rubber seats and discs, stainless steel springs, 120 volt, 60 hz, Class B, continuous duty molded replaceable coil, visual position indicator. Provide NEMA ICS 6, Type 4 coil enclosure. Valve shall be normally-closed when de-energized.
Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, and limited to, the following:
ASCO Valve, inc., Versa Products Co. inc., Jefferson Valves.
PRESSURE REGULATORS:
Provide pressure regulators to conform with ANSI Z21.80, cast iron or die-cast aluminum body, interchangeable zinc-plated steel springs and diaphragm plate, single port, self-contained regulator with orifice no larger than required at maximum pressure inlet and no pressure sensing piping external to the regulator.
Pressure regulator shall maintain discharge pressure setting downstream, and not exceed 150 percent of design discharge pressure at shutoff.
Overpressure Protection Device: Factory mounted on pressure regulator.
Regulator shall include vent limiting device, instead of vent connection and piping, if approved by authorities having jurisdiction.
NATURAL GAS METERS:
Service meters shall comply with the requirements of the utility supplying gas to the facility.
FLEXIBLE CONNECTORS FOR GAS APPLIANCES
Provide indoor, fixed-appliance flexible connector that complies with ANSI Z21.24.
Flexible connector shall be corrugated stainless steel tubing with yellow polymer coating; operating pressure of 0.5 psig and zinc coated threaded steel connections complying with ASME B1.20.1. Maximum length shall be 72 inches.

22 30 01.00 - POINT OF USE THERMOSTATIC MIXING VALVES

Submittal Requirements
Product Data: For each type of product indicated.
GENERAL
Thermostatic mixing valves shall be provided for all public hand washing sinks and lavatories and shall be ASSE 1070 listed, lead free, sweat connections, 125 psi operating pressure and have integral checks. Mount under sink or lavatory. Set outlet temperature of thermostatic mixing valve to 105 degrees F.
Point-of use thermostatic mixing valves shall be equal to Powers LFG480. Route tempered water to hot water side of sink and lavatories.
Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the work include, and are limited to, the following:
Symmons, Acorn Engineering, Powers, Bradley

22 33 00.00 - COMMERCIAL ELECTRIC, DOMESTIC WATER HEATERS

Submittal Requirements
Product Data: For each type of product indicated.
TANK TYPE
Provide commercial electric tank type water heater as scheduled. Comply with UL 1453 Standard.
Provide corrosion resistant metal drain pan with raised edges at the base of the water heater and include drain outlet.
Provide field fabricated piping heat trap arrangement according to ASHRAE/IESNA 90.1.
Provide combination temperature and pressure relief valve, ASME rated and stamped with relieving capacity at least as great as heat input and pressure setting less than water heater's rated operating pressure.
Provide water heater stands or mounting brackets with manufacturer's factory fabricated steel capable of supporting water heater.
Provide steel pressure-rated thermal expansion tank constructed with welded joints and factory-installed butyl rubber diaphragm, pre-charged to minimum system operating pressure at tank.
Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the work include, and are limited to, the following:
Bock Water Heaters, Bradford White Corp., Lochinvar Corp., State Industries.

22 40 00.00 - PLUMBING FIXTURES

Submittal Requirements
Product Data: For each type of product indicated.
GENERAL
Refer to plumbing fixture schedule and install per the manufacturer's installation and operation manual.
Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the work include, and are limited to, the following:
American Standard, Kohler Co., Zurn Industries, LLC.

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KOHRS LONNEMANN HEIL ENGINEERS, INC.
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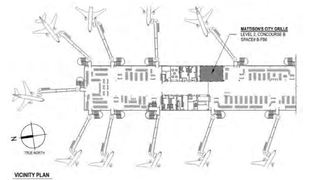
Notes



Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

PLUMBING - SPECIFICATIONS

Project No.	Scale
Revision	Drawing No. P-701

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ORIGINAL SHEET - ARCH D

ELECTRIC CONDUIT AND WIRE MATERIAL SCHEDULE

MC - METAL CLAD CABLE
MI - MINERAL INSULATED CABLE
HMC - HEALTHCARE METAL CLAD CABLE
USE - UNDERGROUND SERVICE ENTRANCE CABLE
SE - SERVICE ENTRANCE CABLE
UF - UNDERGROUND FEEDER
NM - NON-METALLIC SHEATHED CABLE
RMC - RIGID METAL CONDUIT
RNC - RIGID NON-METALLIC CONDUIT
RTRC - REINFORCED THERMOSETTING RESIN CONDUIT
LIM - LINE ISOLATION MONITOR

ARC - ALUMINUM RIGID CONDUIT
EMT - ELECTRIC METALLIC TUBING
ENT - ELECTRIC NON-METALLIC TUBING
FMC - FLEXIBLE METALLIC CONDUIT
GRC - GALVANIZED RIGID STEEL CONDUIT
HDPE - HIGH DENSITY POLYETHYLENE CONDUIT
IMC - INTERMEDIATE METAL CONDUIT
LFMC - LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT
LFNC - LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT
SCH 40 PVC - SCHEDULE 40 POLYVINYL CHLORIDE CONDUIT
SCH 80 PVC - SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT

CONDUIT APPLICATION	CONDUCTOR TYPE	RACEWAY TYPE	RACEWAY AND CONDUCTOR NOTES
---FIRE ALARM---			
EXISTING HOLLOW PARTITIONS	NON-PLENUM RATED	EMT	
CONCEALED	NON-PLENUM RATED	EMT	
EXPOSED	NON-PLENUM RATED	EMT	
CONCEALED, ABOVE ACCESSIBLE CEILINGS	PLENUM RATED	J-HOOKS	
CONCEALED, ABOVE INACCESSIBLE CEILINGS	NON-PLENUM RATED	EMT	
EMBEDDED IN CONCRETE SLAB	NON-PLENUM RATED	RNC (SCH 40 PVC)	
---POWER - INDOOR---			
EXISTING HOLLOW PARTITIONS	THHN	EMT	
CONCEALED	THHN	EMT	
CONCEALED, DAMP LOCATIONS	XHHW-2	EMT	
CONCEALED, MASONRY	THHN	RNC (SCH 40 PVC)	
VERTICAL RISERS FROM BELOW GRADE INCLUDING ELBOW	XHHW-2	RMC (GRC)	
CONNECTION TO SYSTEMS FURNITURE	THHN	LFMC	
EMBEDDED IN CONCRETE SLAB	THHN	RNC (SCH 40 PVC)	
LUMINAIRE WHIPS IN ACCESSIBLE CEILING, 72" MAX	THHN	FMC	
CONNECTION TO VIBRATING EQUIPMENT, 72" MAX	THHN	LFMC	
EXPOSED	THHN	EMT	
UNDERGROUND	XHHW-2	RNC (SCH 40 PVC)	
EMBEDDED IN CONCRETE WALL	THHN	RNC (SCH 40 PVC)	
---POWER - OUTDOOR---			
EXPOSED	XHHW-2	RMC (GRC)	
CONCEALED	XHHW-2	EMT	
CONCEALED, DAMP LOCATIONS	XHHW-2	IMC	
UNDERGROUND	XHHW-2	RNC (SCH 40 PVC)	
CONNECTION TO VIBRATING EQUIPMENT, 72" MAX	XHHW-2	LFMC	
EXPOSED TO DIRECT SUNLIGHT, ROOF	XHHW-2	RMC (GRC)	
---TECHNOLOGY---			
EXISTING HOLLOW PARTITIONS	NON-PLENUM RATED	EMT	
CONCEALED, ABOVE INACCESSIBLE CEILINGS	NON-PLENUM RATED	EMT	
CONCEALED, ABOVE ACCESSIBLE CEILINGS	PLENUM RATED	J-HOOKS	

ELECTRIC DESIGN CRITERIA

APPLICABLE BUILDING CODES

2023 FLORIDA BUILDING CODE (BASED ON THE 2021 INTERNATIONAL BUILDING CODE)
2020 NFPA 70 - NATIONAL ELECTRICAL CODE (NEC)
2019 NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

TESTING/COMMISSIONING FOR LIGHTING CONTROLS

LIGHTING CONTROL DEVICES AND SYSTEMS SHALL BE TESTED TO ENSURE THE HARDWARE AND SOFTWARE IS CALIBRATED, PROGRAMMED, AND IN PROPER WORKING ORDER. INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED INSTALLATION REPORTS AND CERTIFICATES (UNLESS COMMISSIONING IS BEING PERFORMED IN WHICH CASE THE COMMISSIONING PROVIDER SHALL BE RESPONSIBLE FOR ALL REPORTS, CERTIFICATES, ETC.) AND SHALL PROVIDE MANUALS FOR LIGHTING CONTROL DEVICES TO OWNER PRIOR TO PROJECT CLOSE-OUT AND ALSO INCLUDE THE NAME AND ADDRESS OF AT LEAST ONE SERVICING AGENCY FOR THE LIGHTING CONTROL EQUIPMENT. INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTING WITH APPROPRIATE PARTIES TO ARRANGE FOR TESTING OF THE LIGHTING CONTROL SYSTEMS AND SHALL BE RESPONSIBLE FOR ENSURING ALL REQUIRED FUNCTIONAL PERFORMANCE TESTING FORMS/REPORTS ARE COMPLETED AND SUBMITTED TO THE OWNER AND LOCAL AHJ PRIOR TO PROJECT CLOSE-OUT (NO LATER THAN WITHIN 90 DAYS OF PROJECT CLOSEOUT). FUNCTIONAL PERFORMANCE TESTING OF LIGHTING CONTROLS SHALL FOLLOW THE REQUIREMENTS LISTED IN THE APPLICABLE ENERGY CODE INCLUDING (BUT NOT LIMITED TO) VERIFICATION OF THE PERFORMANCE OF OCCUPANCY SENSORS, AUTOMATIC TIME SWITCHES, AND DAYLIGHT HARVESTING CONTROLS.

GENERAL ELECTRICAL INSTALLATION NOTES

A. CODE COMPLIANCE: PROVIDE ALL ELECTRICAL WORK COMPLIANT WITH ALL PREVAILING CODES.
B. LISTINGS: PROVIDE MATERIALS, COMPONENTS AND ASSEMBLED COMPONENTS WITH LISTINGS AND LABELS FROM A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL), MANUFACTURED, LISTED AND LABELED FOR THEIR INTENDED USE.
C. RATED BUILDING SURFACES: SEPARATE DEVICE BOXES BY A MINIMUM OF 6 INCHES WHERE INSTALLED BACK-TO-BACK WITHIN DEMISING WALLS TO MAINTAIN REQUIRED FIRE AND SOUND RATING (TYPICAL OF ALL DEVICE BOXES INSTALLED ON DEMISING WALLS). PROVIDE LISTED FIRE-RATED WRAPS AROUND ALL RECESSED OUTLET, DEVICE AND EQUIPMENT BOXES IN FIRE/SMOKE RATED WALLS, CEILINGS AND FLOORS TO MEET OR EXCEED THE RESPECTIVE FIRE/SMOKE RATING OF THE SURFACE.
D. RATED PENETRATIONS: SEAL ALL PENETRATIONS THROUGH FIRE-RATED AND/OR SMOKE-RATED MEMBRANES (FLOORS, WALLS, CEILINGS, ETC.) USING SEALANT PRODUCTS THAT MEET OR EXCEED THE RATING OF THE RESPECTIVE MEMBRANE.
E. GANGED DEVICES: INSTALL WIRING DEVICES GANGED WHEREVER POSSIBLE FOR INSTANCES WHERE THEY ARE SHOWN TOGETHER. THIS INCLUDES LOCATIONS ABOVE COUNTERS AND WORK SURFACES WHERE APPLICABLE.
F. OUTLET BOXES NEAR CORNERS: INSTALL WALL-MOUNTED SWITCHES, CONTROLS, RECEPTACLES, OUTLETS, ETC. AT LEAST 6 INCHES FROM WALL CORNERS.
G. CONCEALMENTS: CONCEAL ALL CONDUIT DROPS AND RISES WITHIN WALLS, AND PROVIDE FLUSH-MOUNTED WALL OUTLET BOXES UNLESS OTHERWISE INDICATED.
H. DOCUMENTS OF OTHER TRADES: REVIEW DOCUMENTS OF OTHER TRADES, INCLUDING ARCHITECTURAL, PRIOR TO SUBMITTING A BID. PROVIDE ELECTRICAL WORK FOR EQUIPMENT, DEVICES, ETC. OF OTHER TRADES AS REQUIRED TO RENDER THEM FULLY OPERATIONAL. REFER TO ARCHITECTURAL ELEVATIONS FOR INTENDED LOCATIONS AND MOUNTING HEIGHTS FOR EQUIPMENT AND OUTLETS, ETC. PRIOR TO COMMENCING WITH ANY RELATED ROUGH-IN WORK.
I. SCHEMATIC REPRESENTATIONS: CIRCUITING WORK SHOWN ON DRAWINGS IS FOR SCHEMATIC GENERAL GRAPHIC REPRESENTATION ONLY. DETERMINE SPECIFICS IN FIELD (POINT-TO-POINT ROUTING, HOME-RUN LOCATIONS, METHODS OF CONCEALMENT, ETC.). LOCATIONS AND ROUTING INDICATED ON PLANS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. LAYOUT AND INSTALL ALL ELECTRICAL WORK IN STRICT COMPLIANCE WITH CHAPTER 1, PART II, ARTICLE 110.26 OF THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70).
J. HOME-RUN DESIGNATIONS: HOME-RUN DESIGNATIONS INDICATED ON PLANS ARE SCHEMATIC DESIGNATIONS ONLY. DETERMINE EXACT CIRCUIT ASSIGNMENTS IN FIELD BASED ON FIELD CONDITIONS. PROVIDE COLOR-CODED CONDUCTOR INSULATION ACCORDINGLY, CODED PROPERLY DEPENDING ON SYSTEM, PHASE, NEUTRAL, ETC. PROVIDE EQUIPMENT AND PANELBOARD SCHEDULES THAT ACCURATELY INDICATE INSTALLED CONDITIONS.
K. LOCAL DISCONNECTS AND CONTROLS AT EQUIPMENT: LOCAL DISCONNECTS AND LOCAL CONTROLS SHOWN AT OR ON EQUIPMENT IN PLAN-VIEW ARE SHOWN FOR SCHEMATIC ASSOCIATIONS ONLY. AVOID INSTALLING DISCONNECTS OR CONTROLS ON EQUIPMENT ENCLOSURES. INSTALL ON ADJACENT WALLS OR BUILDING STRUCTURE, OR PROVIDE FIELD-FABRICATED UNISTRUT OR EQUIVALENT ASSEMBLIES AS NEEDED. PROVIDE FIELD COORDINATION WITH SITE CONDITIONS AND OTHER TRADES, AND PROVIDE ALL RELATED WORK IN STRICT COMPLIANCE WITH NFPA 70, INCLUDING ARTICLE 110.26. PROVIDE A PERMANENT LABEL ON LOCAL DISCONNECTS NOTING THE EQUIPMENT IT SERVES AND THE PANEL AND CIRCUIT NUMBER FEEDING THE EQUIPMENT PER NFPA 70, ARTICLE 110.22(A).
L. EQUIPMENT & LOAD COORDINATION: REFER TO AND COORDINATE WITH POWER FLOOR PLANS, EQUIPMENT SCHEDULES (INCLUDING EQUIPMENT COORDINATION SCHEDULES), DRAWINGS OF ALL TRADES, ALL DIVISIONS AND SECTIONS OF SPECIFICATIONS AND INSTALLERS OF ALL TRADES. BASED ON ACTUAL EQUIPMENT BEING PROVIDED, DETERMINE AND PROVIDE APPROPRIATE BREAKERS, FUSES, CONDUCTORS, CONTROLS, POWER DISTRIBUTION EQUIPMENT, ETC. PERFORM THESE SERVICES PRIOR TO FURNISHING POWER DISTRIBUTION EQUIPMENT SUBMITTALS.
M. EXTERIOR ELECTRICAL WORK AND WORK SUBJECT TO MOISTURE: EXTERIOR ELECTRICAL WORK SHALL BE WEATHERPROOF AND WATER-TIGHT, AND SHALL BE RUST-RESISTANT. PROVIDE XHHW-2 CONDUCTORS FOR ALL APPLICATIONS THAT ARE BELOW GRADE OR SUBJECT TO MOISTURE. PROVIDE MINIMUM NEMA 3R ENCLOSURES FOR ALL OUTDOOR EQUIPMENT AND ALL INDOOR EQUIPMENT THAT IS SUBJECT TO MOISTURE. PROVIDE NEMA 1 ENCLOSURES FOR ALL OTHER INDOOR EQUIPMENT.
N. EQUIPMENT GROUNDING CONDUCTORS: PROVIDE EQUIPMENT GROUNDING CONDUCTORS IN STRICT COMPLIANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), INCLUDING ARTICLE 250 AND TABLE 250.122. THESE CONDUCTORS MAY OR MAY NOT BE INDICATED ON SINGLE-LINE DIAGRAMS OR ELSEWHERE, BUT SHALL BE PROVIDED UNDER BASE BID NEVERTHELESS.
O. OVERHEAD WORK: HOLD ALL NEW OVERHEAD ELECTRICAL WORK AS TIGHTLY AS POSSIBLE TO THE BOTTOM OF THE OVERHEAD STRUCTURE. DO NOT INSTALL ANY ELECTRICAL WORK WITHIN SIX INCHES OF ROOF DECKING.
P. COORDINATION DRAWINGS: LAYOUT ALL PROPOSED RACEWAY ROUTING, ELEVATIONS, INSTALLATION METHODS, ETC. ON COORDINATION DRAWINGS AND COORDINATE ALL PROPOSED RACEWAY ROUTING WITH ALL AFFECTED TRADES PRIOR TO COMMENCING WITH WORK. IN ADDITION, REVIEW THE INFORMATION WITH ARCHITECT, ENGINEER AND OWNER FOR ALL AREAS WHERE THE RACEWAYS WILL BE VISIBLE AFTER COMPLETION OF CONSTRUCTION.
Q. JUNCTION AND PULL BOXES: LOCATE JUNCTION AND PULL BOXES SO THAT THEY REMAIN ACCESSIBLE AFTER ALL CONSTRUCTION WORK IS COMPLETE. COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO COMMENCEMENT OF THE WORK. LOCATE BOXES IN A MANNER THAT AVOIDS HAVING TO USE ACCESS PANELS. IF ACCESS PANELS ARE INEVITABLE, PROVIDE THEM RATED TO MEET OR EXCEED THE FIRE AND/OR SMOKE RATINGS OF THE RESPECTIVE CEILING OR WALL, AND OBTAIN APPROVAL OF DESIGN PROFESSIONALS FOR EACH LOCATION.
R. CONDUCTOR TERMINATIONS: IN CASES WHERE CONDUCTOR SIZES ARE TOO LARGE TO FIT INTO LUGS/TERMINALS, PROVIDE APPROPRIATE FACTORY LUG KITS FOR AFFECTED EQUIPMENT IF AVAILABLE. ELSEWHERE, PROVIDE INSULATED BUTT-SPLICES OR EQUIVALENT METHOD, WITH TAILS SIZED TO FIT LUGS/TERMINALS. PROVIDE SPLICES IN SEPARATE BOXES IF REQUIRED BASED ON FIELD CONDITIONS, BOX SIZE LIMITATIONS, ETC. CONCEAL BOXES IN ACCESSIBLE OVERHEAD JOIST SPACES IN FINISHED REGULARLY OCCUPIED AREAS.
S. TYPE MC, AC, NM, SE CABLE: WHERE MORE THAN TWO TYPE AC, NM, OR SE CABLES CONTAINING TWO OR MORE CURRENT CARRYING CONDUCTORS IN EACH CABLE ARE INSTALLED IN CONTACT WITH THERMAL INSULATION, CAULK, OR SEALING FOAM MAINTAIN SPACING BETWEEN CABLES. MC CABLE IS PROHIBITED FOR USAGE.

ELECTRIC DRAWING INDEX

Consultant

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MECHANICAL/ELECTRICAL ENGINEERS
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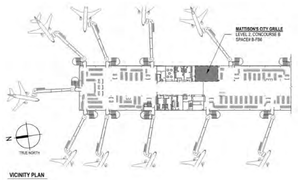
Notes



VICINITY PLAN

Revision	By	Appd	
1 Rev 2 - Client Changes			2024.10.25
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued — By — Appd — YYYY.MM.DD

File Name: N/A — Dwn. — Dsgn. — Chkd. — YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
ELECTRIC COVER SHEET

Project No.
Scale 1/8" = 1'-0"
Revision 1
Drawing No. **E-001**

1/16/2025 1:55:27 PM
ORIGINAL SHEET - ARCH D

TECHNOLOGY LEGEND

SYMBOL	DESCRIPTION
TELECOMMUNICATIONS	
◁	WALL DATA OUTLET WAP = WIRELESS ACCESS POINT
SECURITY SYSTEMS	
C	CEILING SECURITY CAMERA
CABLE / RACEWAY / SPACE	
ER-02-01,13	CIRCUIT HOME RUN WITH RACK IDENTIFIER AND PORT NUMBER
	CABLING / RACEWAY INSTALLED CONCEALED IN WALLS OR ABOVE CEILING
	CABLING / RACEWAY INSTALLED BELOW FLOOR OR GRADE
	CABLE TRAY
	LADDER RACK
	SERVICE POLE - POWER AND TECHNOLOGY WHERE APPLICABLE.
UP O DN	4" CONDUIT SLEEVE UP OR DOWN THROUGH FLOOR
	CONDUIT SLEEVE THROUGH WALL

DEVICE MARK

BASE TYPE MARK
SUB TYPE MARK
ITEM MARK SUFFIX
INSTANCE MARK
PORT MARK
BTM-STM(IMS).IM:PM

1. THE BASE TYPE MARK AND SUB TYPE MARK TOGETHER IDENTIFY THE TYPE OF DEVICE/ASSEMBLY.
2. WHERE MORE THAN ONE ITEM IS ASSEMBLED TOGETHER ON THE SAME DEVICE, AN ITEM MARK SUFFIX MAY BE USED TO UNIQUELY IDENTIFY THAT ITEM WITHIN THE ASSEMBLY.
3. THE INSTANCE MARK UNIQUELY IDENTIFIES A SPECIFIC DEVICE PLACED WITHIN THE BUILDING.
4. WHERE APPLICABLE, THE PORT MARK IDENTIFIES A SPECIFIC PORT/CONNECTOR ON A DEVICE.

ABBREVIATIONS

(R)	RELOCATE FIXTURE, EQUIPMENT OR DEVICE	OFE	OWNER FURNISHED EQUIPMENT
		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
42"	DISTANCE ABOVE FINISHED FLOOR / GRADE / PAVEMENT	PBB	PRIMARY GROUNDING BUSBAR
		PED	PEDESTAL
ACC	ADMINISTRATIVE CONTROL CONSOLE	PLY	PLYWOOD BACKBOARD
ADA	AMERICANS WITH DISABILITIES ACT	PM	PATIENT MONITOR
AFF	ABOVE FINISHED FLOOR	PS	PATIENT STATUS
AFG	ABOVE FINISHED GRADE		
AVR	AUDIO VISUAL SYSTEM EQUIPMENT RACK	R	ROUGH-IN ONLY
BAS	BUILDING AUTOMATION SYSTEM	SBB	SECONDARY GROUNDING BUSBAR
BFC	BELOW FINISHED CEILING	SCL	SINGLE FACE CLOCK
		SEC	SECURITY
C	CONDUIT	SER	SECURITY SYSTEM EQUIPMENT RACK
CH	COUNTER HEIGHT OR SPECIAL HEIGHT DEVICE	SME	STRUCTURED MEDIA ENCLOSURE
		SSR	SOUND SYSTEM EQUIPMENT RACK
DCL	DOUBLE FACE CLOCK		
DS	DIGITAL SIGNAGE	TAAC	TO ABOVE ACCESSIBLE CEILING
DVR	DIGITAL VIDEO RECORDER	TAHC	TO ABOVE ACCESSIBLE HALLWAY CEILING
		TR	TELECOMMUNICATIONS ROOM
EC	ELECTRICAL CONTRACTOR		
EF	ENTRANCE FACILITY	WP	WEATHERPROOF
ELEV	ELEVATOR	WG	WIRE GUARD
EMR	ELECTRONIC MEDICAL RECORDS		
EQR	EQUIPMENT RACK		
ER	EQUIPMENT ROOM		
ETR	EXISTING TO REMAIN		
EX	EXISTING		
FACP	FIRE ALARM CONTROL PANEL		

PLAN-VIEW LINE TYPES

WORK SHOWN BOLD-CONTINUOUS INDICATES NEW WORK
(UNLESS INDICATED OTHERWISE)

WORK SHOWN FADED INDICATES EXISTING WORK TO REMAIN OR NEW WORK BY OTHERS AS APPLICABLE
(UNLESS INDICATED OTHERWISE)

WORK SHOWN BOLD-DASHED INDICATES SELECTIVE DEMOLITION WORK
(UNLESS INDICATED OTHERWISE)

DRAWING SET APPEARANCE

TO BETTER COMMUNICATE SCOPE TO PERMIT AGENCIES AND CONTRACTORS, EACH DRAWING IN THIS DRAWING SET HAS BEEN CREATED IN BOTH "COLOR" AND "BLACK AND WHITE". THERE EXISTS A COLOR LAYER WITHIN EACH DRAWING WHERE VISIBILITY IS CONTROLLED THROUGH THE PDF LAYER MANAGER. THIS LAYER VISIBILITY CAN BE TOGGLED DISPLAYING EITHER "COLOR" OR "BLACK AND WHITE". TO MAINTAIN SCOPE BASED SHADING WHEN PRINTING TO PAPER, BLACK AND WHITE NEEDS TO BE VISIBLE.
FOR FURTHER INSTRUCTIONS, REFER TO CONTRACTOR RESOURCES ON OUR WEBSITE AND DOWNLOAD "DRAWING COLOR INSTRUCTIONS".
WWW.KLHENGRS.COM - CONTRACTOR RESOURCES (RIGHT HAND SIDE OF PAGE).

ELECTRIC LEGEND

SYMBOL	DESCRIPTION
LIGHTING AND LIGHTING CONTROLS	
	LUMINAIRE (REFER TO THE LUMINAIRE SCHEDULE) NOTE THAT OTHER SHAPES MAY ALSO BE USED TO REPRESENT LUMINAIRES
	SHADED LUMINAIRES DENOTE THOSE CONNECTED TO EMERGENCY OR STANDBY POWER AS APPLICABLE (UNSWITCHED LUMINAIRES ARE EGRESS LIGHTS AND/OR NIGHT-LIGHTS THAT OPERATE 24/7)
	TRACK LIGHTING IN LENGTH SHOWN AND WITH NUMBER OF LUMINAIRE HEADS AS INDICATED PROVIDE ALL REQUIRED ACCESSORIES (FITTINGS, END CAPS, POWER FEEDS, ETC.)
WALL MOUNT	SINGLE / DOUBLE SIDED EXIT SIGN CONNECT AHEAD OF SWITCHING & CONFIGURE ARROWS TO INDICATE DIRECTION OF EGRESS TRAVEL
	EMERGENCY LIGHTING UNIT WITH 90-MINUTE BATTERY BACKUP AND ASSOCIATED REMOTE HEADS WHERE APPLICABLE. CONNECT TO LOCAL LIGHTING CIRCUIT AHEAD OF SWITCHING
	OUTDOOR AREA SITE LIGHTING STANDARD NUMBER OF LUMINAIRE HEADS AS INDICATED ON DRAWINGS.
A NL a EL	A = LUMINAIRE TYPE, NL = NIGHT-LIGHT (UNSWITCHED), a = SWITCHING DESIGNATION, EL = EGRESS LUMINAIRE (ILLUMINATES PATH OF EGRESS, UNSWITCHED UNLESS OTHERWISE NOTED)
$	LIGHTING SWITCH (KEYS: 2 = 2-POLE, 3 = 3-WAY, 4 = 4-WAY, D=DIMMER, K=KEYED, T = TIMER SWITCH, M = MOMENTARY-CONTACT, P = SWITCH W/PILOT LIGHT)
TYPE	CEILING-MOUNTED OCCUPANCY SENSOR. DUAL TECHNOLOGY UNLESS OTHERWISE NOTED BY TYPE. TYPE "IR" = INFRARED, TYPE "US" = ULTRASONIC
RECEPTACLES AND MISCELLANEOUS OUTLETS	
	SINGLE ("SIMPLEX"), DUPLEX, AND DOUBLE DUPLEX ("QUAD") RECEPTACLE RESPECTIVELY
	GFI / GFCI RECEPTACLES
	RECEPTACLES WITH USB OUTLETS. SPECIFICATION: LEVITON T5633-E OUTLET
	SPECIAL PURPOSE RECEPTACLE
H C T 42" W SW L	RECEPTACLE ATTRIBUTES 42" = MOUNT RECEPTACLE AT THIS HEIGHT ABOVE GRADE / FINISHED FLOOR C = INSTALL ABOVE COUNTER AND BACKSPLASH H = INSTALL RECEPTACLE HORIZONTALLY L = LIT (PROVIDE ILLUMINATED FACE OR INDICATOR LIGHT TO INDICATE THERE IS POWER TO RECEPTACLE) SW = SPLIT WIRED T = TAMPER-RESISTANT W = WEATHER PROOF WHILE IN USE COVER AND WEATHER RESISTANT RECEPTACLE
MISCELLANEOUS	
T TS	LOW VOLTAGE THERMOSTAT (LEFT) AND TEMPERATURE SENSOR (RIGHT)
	INDICATES DIRECT CONNECTION TO EQUIPMENT
$ $MS $MSR	MOTOR RATED TOGGLE SWITCH, MANUAL STARTER WITH PILOT LIGHT, AND MANUAL STARTER WITH PILOT LIGHT WITH EXTERNAL RELAY FOR CONTROL OR MONITORING RESPECTIVELY - ALL MAY BE KEYED "K"
	HEAVY DUTY DISCONNECT SWITCH (NON-FUSED) (LEFT) HEAVY DUTY DISCONNECT SWITCH (FUSED) (RIGHT)
	ENCLOSED CIRCUIT BREAKER
TC	TIME CLOCK FOR PROGRAMMABLE TIME-OF-DAY AND EXTENDED CONTROL
	CONTACTOR
FRONT	ELECTRICAL SWITCHBOARD OR SWITCHGEAR (DIMENSIONS MAY VARY)
	ELECTRICAL PANELBOARD OR DISTRIBUTION BOARD (DIMENSIONS MAY VARY / FLUSH OR SURFACE MOUNTED AS INDICATED)
FRONT	DRY TYPE TRANSFORMER - FLOOR MOUNTED ON CONCRETE PAD (LEFT), SUSPENDED FROM CEILING OR WALL (RIGHT)

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
FIRE ALARM DEVICES	
cd C	FIRE ALARM SYSTEM CEILING / OVERHEAD MOUNTED HORN / STROBE DEVICE (PROVIDE CANDELA (cd) RATING FOR STROBE AS INDICATED ON DRAWINGS)

PLAN-VIEW AND GRAPHIC LINE TYPES

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(UNLESS OTHERWISE INDICATED)

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(UNLESS OTHERWISE INDICATED)

WORK SHOWN BOLD-DASHED INDICATES SELECTIVE DEMOLITION WORK
(UNLESS OTHERWISE INDICATED)

ELECTRIC LEGEND

SYMBOL	DESCRIPTION
SINGLE LINE DIAGRAM	
	GROUNDING ELECTRODE PER NFPA 70 ARTICLE 250 MINIMUM
	ENCLOSED CIRCUIT BREAKER
	ELECTRICAL PANELBOARD OR DISTRIBUTION BOARD
	ELECTRICAL SWITCHBOARD OR SWITCHGEAR
	SURGE PROTECTIVE DEVICE
WIRE / CABLE / RACEWAY	
LPA-1,3	BRANCH CIRCUIT HOME RUN WITH PANEL NAME AND CIRCUIT NUMBER(S)
	CABLING / RACEWAY INSTALLED CONCEALED IN WALLS OR ABOVE CEILING
	CABLING / RACEWAY INSTALLED BELOW FLOOR OR GRADE
	CABLE TRAY
	FEEDER DUCT / BUS DUCT
	JUNCTION BOX ABOVE ACCESSIBLE CEILING JUNCTION BOX AT OVERHEAD STRUCTURE IN AREAS WITH NO CEILING
J	FLUSH MOUNTED JUNCTION BOX OR PULL BOX AS APPLICABLE FOR APPLICATION
P	FLUSH MOUNTED PULL BOX
	SERVICE POLE - POWER AND TECHNOLOGY WHERE APPLICABLE.
UP O DN	CONDUIT UP OR DOWN

ABBREVIATIONS

42"	DISTANCE ABOVE FINISHED FLOOR / GRADE / PAVEMENT	LR	LEGALLY REQUIRED STANDBY
		LI	LONG - INSTANTANEOUS
AF	AMP FRAME OF FUSED SWITCH OR CIRCUIT BREAKER	LSI	LONG - SHORT - INSTANTANEOUS
		LSIG	LONG - SHORT - INSTANTANEOUS - GROUND FAULT
AFCI	ARC-FAULT CIRCUIT INTERRUPTER		
AT	AMP TRIP OF FUSED SWITCH OR CIRCUIT BREAKER	MCB	MAIN CIRCUIT BREAKER
		MFR	MANUFACTURER
ATS	AUTOMATIC TRANSFER SWITCH	MLO	MAIN LUGS ONLY
		MTS	MANUAL TRANSFER SWITCH
BAS	BUILDING AUTOMATION SYSTEM	MW	MICROWAVE OVEN
C.T.C.	WORK UNDER DIVISION 27 OR 28 AS APPLICABLE	NIC	NOT IN CONTRACT (SHOWN FOR REFERENCE ONLY)
C/B	CIRCUIT BREAKER	NTS	NOT TO SCALE
C / CH	COUNTER HEIGHT OR SPECIAL HEIGHT DEVICE		
DW	DISHWASHER	OFE	OWNER-FURNISHED EQUIPMENT - INSTALLED AND WIRED BY E.C.
E	EMERGENCY	OS	OPTIONAL STANDBY
E.C.	WORK UNDER DIVISION 26		
EMS	ENERGY MANAGEMENT SYSTEM	P.C.	WORK UNDER DIVISION 22
EPO	EMERGENCY POWER OFF		
ER	EQUIPMENT ROOM	(R)	RELOCATE
ERM	ENERGY REDUCTION MAINTENANCE SWITCH		
ESP	EMERGENCY STANDBY RATING	S.C.	WORK UNDER DIVISION 21
ETR	EXISTING TO REMAIN	SCCR	SHORT CIRCUIT CURRENT RATING
EWC	ELECTRIC WATER COOLER	SPD	SURGE PROTECTIVE DEVICE
EX.	EXISTING	ST	SHUNT TRIP
FBO	FURNISHED BY OTHERS - INSTALLED AND WIRED BY E.C.	TAAC	TO ABOVE ACCESSIBLE CEILING
		TR	TAMPER RESISTANT
FIBO	FURNISHED AND INSTALLED BY OTHERS - WIRED BY E.C.	TTB	TELEPHONE TERMINAL BOARD
		TYP	TYPICAL
FP	RECEPTACLE TO BE USED FOR A FLAT PANEL DISPLAY.	UCR	UNDER COUNTER REFRIGERATOR
FWE	FURNISHED WITH EQUIPMENT BY OTHERS - INSTALLED AND WIRED BY E.C.	UL	UNDERWRITER'S LABORATORY
		U.L.S.E.	LISTED FOR SERVICE ENTRANCE
		UNO	UNLESS NOTED OR INDICATED OTHERWISE ON DRAWINGS OR IN SPECIFICATIONS
GD	GARBAGE DISPOSAL		
GFEP	GROUND FAULT EQUIPMENT PROTECTION		
GFI / GFCI	GROUND FAULT CIRCUIT INTERRUPTER DEVICE	VFD / VSD	VARIABLE FREQUENCY / SPEED DRIVE
GND	GROUND	VIF	VERIFY IN FIELD
		VM	VENDING MACHINE
H.C.	WORK UNDER DIVISION 23	VP	VANDAL PROOF
H.O.A.	"HAND - OFF - AUTO" SWITCH		
		W / WP	WEATHERPROOF
IG	ISOLATED GROUND	WG	WIRE GUARD
Isc	SHORT CIRCUIT CURRENT	WR	WEATHER RESISTANT
		X	RATED FOR CLASSIFIED LOCATION

PLAN-VIEW AND GRAPHIC LINE TYPES

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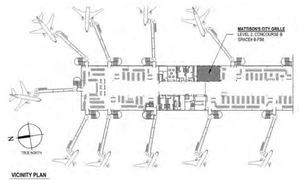
Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
ELECTRIC LEGEND SHEET

Project No.	Scale
	1/8" = 1'-0"
Revision	Drawing No.
	E-002

1/16/2025 1:53:28 PM

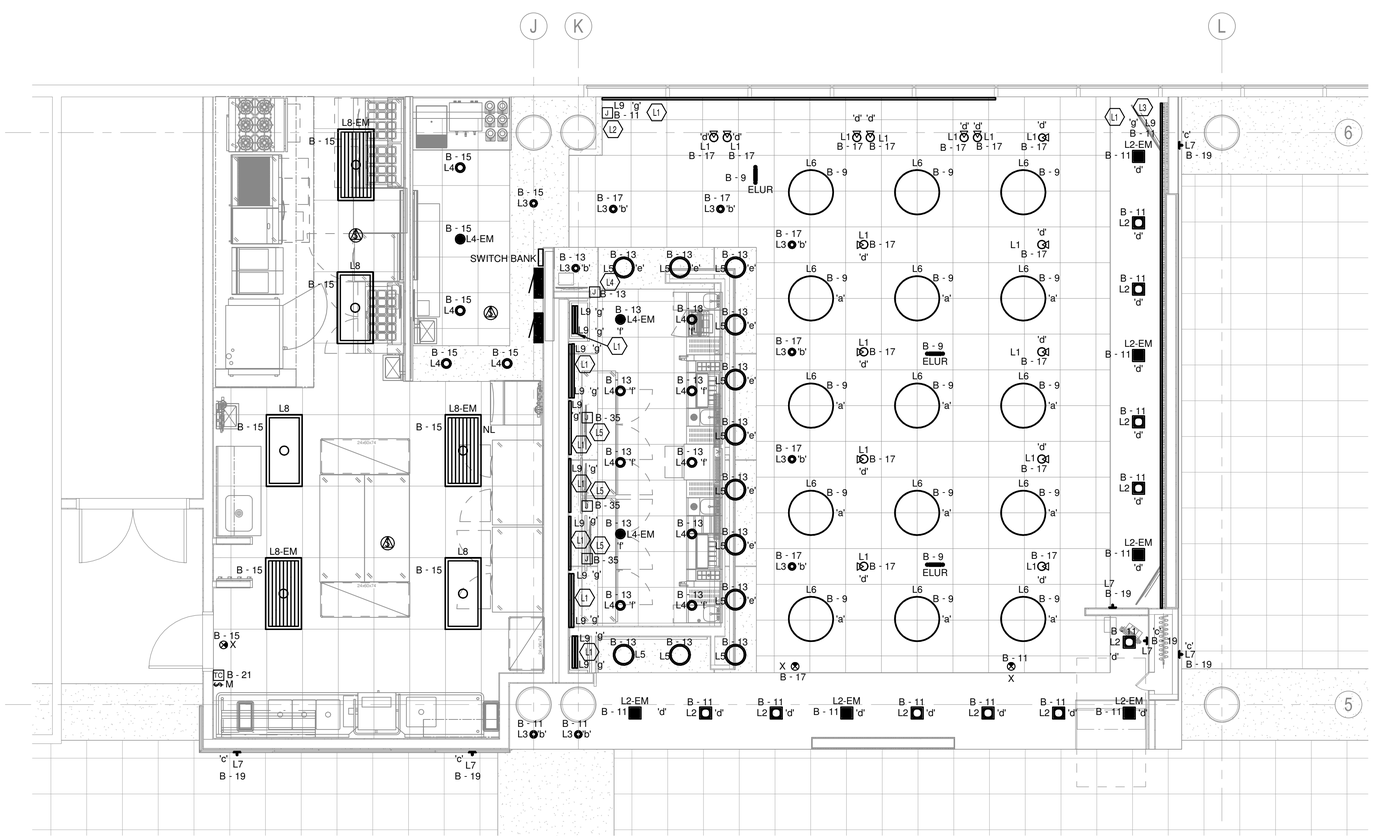
ORIGINAL SHEET - ARCH D

LIGHTING GENERAL NOTES

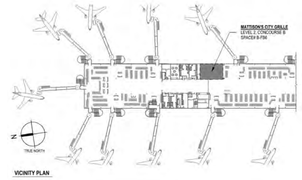
A. EXIT SIGN CONNECTIONS: CONNECT ALL EXIT SIGNAGE AHEAD OF ANY SWITCHING.
B. INDOOR EGRESS LIGHTING: CONNECT ALL INDOOR EGRESS LIGHTING, DESIGNATED "EL", AHEAD OF ANY SWITCHING. UNLESS CONTROL METHODS ARE INDICATED OTHERWISE FOR A GIVEN AREA.
C. BATTERY BACKUP DEVICES: WHERE INDICATED IN DOCUMENTS, PROVIDE UL 924 LISTED BATTERY DEVICES, WHICH AUTOMATICALLY REVERT TO FULL ILLUMINATION FOR THE AFFECTED LUMINAIRES IN THE EVENT OF LOSS OF POWER FROM THE NORMAL POWER SUPPLY CIRCUIT. PROVIDE UNSWITCHED "HOT" TO SUCH COMPONENTS TO PROVIDE CONTINUOUS POWER EVEN IF LUMINAIRE IS TURNED OFF USING NORMAL LIGHTING CONTROLS.
D. TRANSFER/RELAY-CONTROL DEVICES: WHERE INDICATED IN DOCUMENTS, PROVIDE TRANSFER/RELAY-CONTROL DEVICES, WHICH AUTOMATICALLY REVERT TO FULL ILLUMINATION FOR THE AFFECTED LUMINAIRES IN THE EVENT OF LOSS OF POWER FROM THE NORMAL POWER SUPPLY CIRCUIT. PROVIDE UNSWITCHED "HOT" TO SUCH COMPONENTS, TO PROVIDE CONTINUOUS POWER EVEN IF LUMINAIRE IS TURNED OFF USING NORMAL LIGHTING CONTROLS.

KEYED NOTES

L1	CONCEALED L9 LED STRIP LIGHTING IN MILLWORK COUNTER (SUPPLIED AND INSTALLED BY MILLWORKER. FINAL CONNECTION BY CONTRACTOR.)
L2	PROVIDE (1) 34W LED DRIVER IN A CONCEALED, VENTILATED, AND ACCESSIBLE LOCATION TO L9 STRIP LIGHTING. ELECTRICIAN TO CLEARLY LABEL EACH DRIVER & CONFIRM WIRE GAUGE REQ'D PER DRIVER SPECIFICATIONS.
L3	PROVIDE (1) 39W LED DRIVER IN A CONCEALED, VENTILATED, AND ACCESSIBLE LOCATION TO L9 STRIP LIGHTING. ELECTRICIAN TO CLEARLY LABEL EACH DRIVER & CONFIRM WIRE GAUGE REQ'D PER DRIVER SPECIFICATIONS.
L4	PROVIDE (1) 39W LED DRIVER IN A CONCEALED, VENTILATED, AND ACCESSIBLE LOCATION TO ALL L9 STRIP LIGHTING AT BACK BAR. ELECTRICIAN TO CLEARLY LABEL EACH DRIVER & CONFIRM WIRE GAUGE REQ'D PER DRIVER SPECIFICATIONS.
L5	GENERAL CONTRACTOR TO COORDINATE LOCATION OF LIGHTED MERCHANDISE DISPLAY PERLICK LIGHTED 3-TIER DISPLAY LMD3-60L WITH TC.



1 ELECTRIC LIGHTING PLAN
1/4" = 1'-0"



VICINITY PLAN

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Notes

B1	Rev 1 - Bid Addendum			2024.08.16
Revision		By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION		KLH	KLH	2025.01.16
Issued		By	Appd	YYYY.MM.DD

File Name: N/A — Dwn. — Dsgn. — Chkd. — YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
ELECTRIC LIGHTING PLAN

Project No.
Scale
1/4" = 1'-0"
Revision
B1
Drawing No.
E-101

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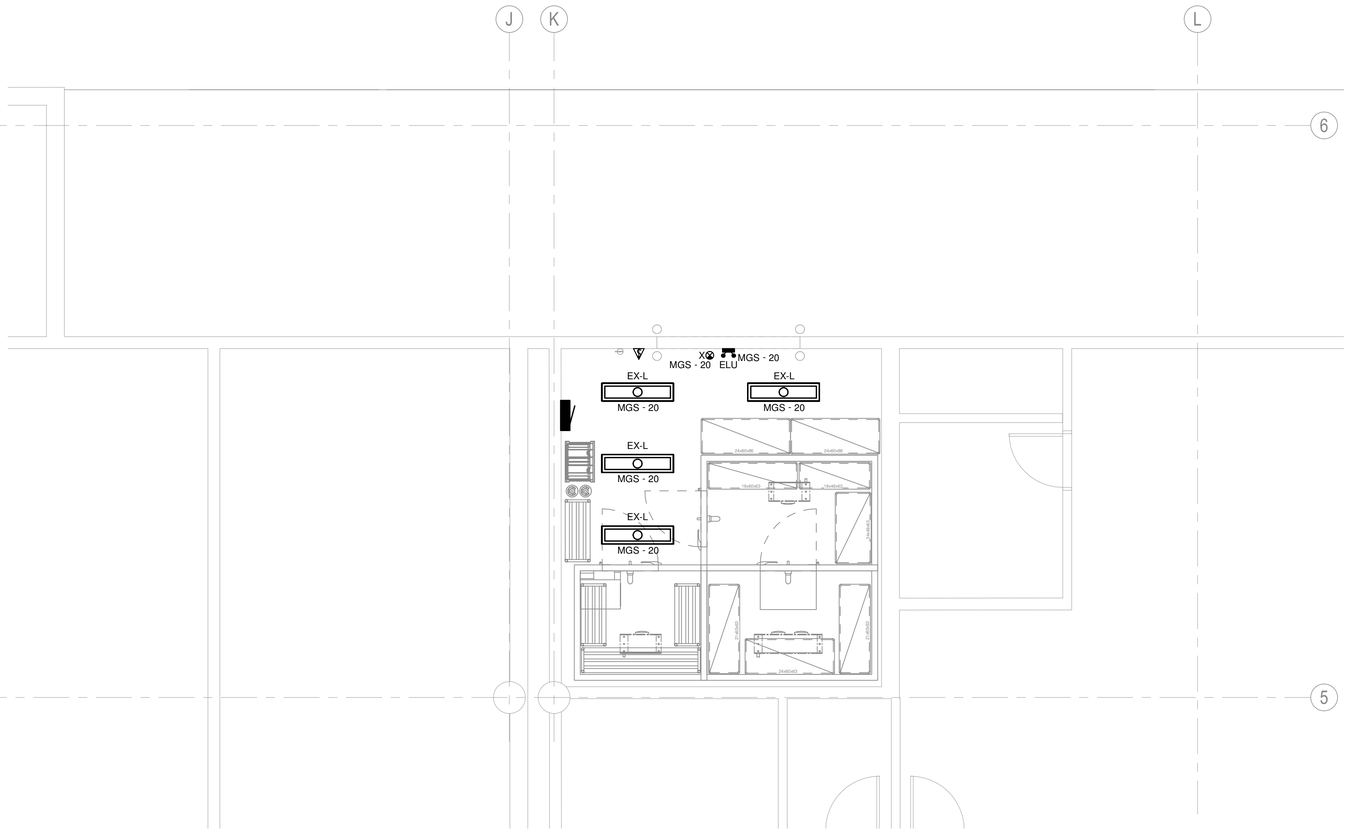
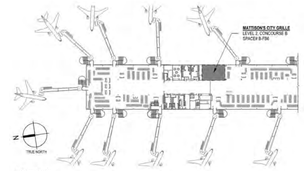
ORIGINAL SHEET - ARCH D

KEYED NOTES



1 ELECTRIC LIGHTING PLAN - SUPPORT SPACE
1/4" = 1'-0"



VICINITY PLAN

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Notes

1	Rev 2 - Client Changes			2024.10.25
Revision		By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION		KLH	KLH	2025.01.16
Issued		By	Appd	YYYY.MM.DD

File Name: N/A

Dwn. Dsgn. Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
ELECTRIC LIGHTING SUPPORT SPACE PLAN

Project No.

Scale
1/4" = 1'-0"

Revision
1

Drawing No.
E-102

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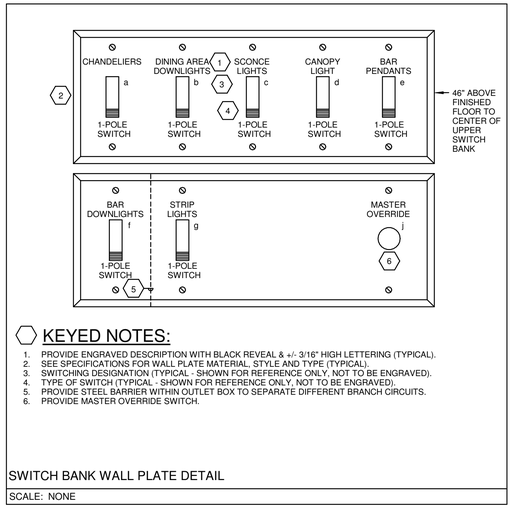
ORIGINAL SHEET - ARCH D



KEYED NOTES:

1. PROVIDE ENGRAVED DESCRIPTION WITH BLACK REVEAL & +/- 3/16" HIGH LETTERING (TYPICAL).
2. SEE SPECIFICATIONS FOR WALL PLATE MATERIAL, STYLE AND TYPE (TYPICAL).
3. SWITCHING DESIGNATION (TYPICAL - SHOWN FOR REFERENCE ONLY, NOT TO BE ENGRAVED).
4. TYPE OF SWITCH (TYPICAL - SHOWN FOR REFERENCE ONLY, NOT TO BE ENGRAVED).
5. PROVIDE STEEL BARRIER WITHIN OUTLET BOX TO SEPARATE DIFFERENT BRANCH CIRCUITS.
6. PROVIDE MASTER OVERRIDE SWITCH.

SWITCH BANK WALL PLATE DETAIL

SCALE: NONE

ELECTRIC CONTACTOR SCHEDULE

NOTES:
1) PROVIDE A MINIMUM OF (2) SPARE CONTACTS IN EACH CONTACTOR UNLESS NOTED OTHERWISE.
2) REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3) CONTACTOR DESIGNATIONS DO NOT INDICATE QUANTITY OF CONTACTORS, THEY INDICATE CONTACTOR GROUPING(S) AND COMMON CONTROL METHODS ONLY. PROVIDE QUANTITY OF CONTACTOR(S) NEEDED TO ACCOMMODATE NUMBER OF POLES SHOWN.

CONTROL ZONE DESCRIPTION & CONTACTOR CONTROL METHOD

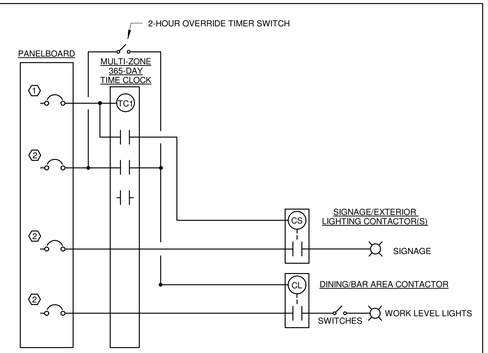
CL: DINING/BAR AREA LIGHTING
CS: SIGNAGE

SUPPLY	CIRCUIT NUMBER	NUMBER OF POLES	CONTACT CURRENT	LOAD NAME
CL				
B	9	1	4 A	LTG
B	11	1	5 A	LTG DINING 100
B	13	1	5 A	LTG DINING 100
B	17	1	4 A	LTG DINING 100
CS				
B	1	1	10 A	BLADE SIGNAGE | CONTINUOUS
B	19	1	1 A	LTG DINING 100
MGS	14	1	5 A	SIGNAGE | CONTINUOUS
MGS	16	1	5 A	SIGNAGE | CONTINUOUS
MGS	18	1	10 A	SIGNAGE | CONTINUOUS

LIGHTING CONTROL DESIGN INTENT

STOREFRONT LIGHTING AND SIGNAGE:
HARDWARE: LIGHTING CONTACTOR(S) AND TIMECLOCK.
CONTROL INTENT: STOREFRONT LIGHTING, RECEPTACLES AND SIGNAGE SHALL TURN "ON" AND "OFF" BASED ON THE TIME SCHEDULE(S) PROGRAMMED INTO THE TIMECLOCK.

DINING/BAR AREA DISPLAY LIGHTS:
HARDWARE: WALL MOUNTED TOGGLE SWITCH, LIGHTING CONTACTOR AND TIMECLOCK.
CONTROL INTENT: DURING BUSINESS HOURS (HOURS PROGRAMMED INTO TIMECLOCK) THE SALES AREA DISPLAY LIGHTS AND TRACK LIGHTING SHALL TURN "ON" AND "OFF" BASED ON THE TIME SCHEDULE(S) PROGRAMMED INTO THE TIMECLOCK.
THE TIMER SWITCH SHALL OVERRIDE THE TIMECLOCK SCHEDULING (FOR A MAXIMUM OF 2-HOURS) AND ALLOW FOR AFTER HOURS CONTROL OF THE LIGHTING.



KEYED NOTES:

1. PROVIDE TIME-BASED CONTROL FOR APPLICABLE CIRCUITS AS DEFINED ON TIMECLOCK SCHEDULE.
2. PROVIDE CONTACTOR CONTROL FOR APPLICABLE CIRCUITS AS DEFINED ON LIGHTING CONTACTOR SCHEDULE.

LIGHTING CONTROL DESIGN INTENT

SCALE: NONE

ELECTRIC LUMINAIRE SCHEDULE

GENERAL NOTES:
A. REFER TO DRAWINGS FOR MOUNTING TYPE, NUMBER OF FACES AND ARROWS OF EXIT SIGNS. VERIFY IN FIELD PRIOR TO INSTALLATION.
B. VERIFY COMPATIBILITY WITH VOLTAGE, CONTROLS, ETC. FOR ALL LUMINAIRE COMPONENTS
C. COORDINATE EACH LUMINAIRE LOCATION WITH THE ARCHITECTURAL REFLECTED CEILING PLANS, CEILING INSTALLERS, ETC. AND PROVIDE APPROPRIATE MOUNTING SYSTEM REQUIRED FOR EACH LUMINAIRE. ALSO, PROVIDE PLASTER FRAMES, WALL BRACKETS, SUPPORTS, OR OTHER APPURTENANCES AS REQUIRED FOR PROPER AND COMPLETE INSTALLATIONS.
D. WEAR CLEAN WHITE COTTON GLOVES WHEN HANDLING EXPOSED REFLECTIVE LUMINAIRE SURFACES. REMOVE PLASTIC SHIPPING BAGS ONLY AFTER INTERIOR WORK IS COMPLETE, AND CLEAN ALL SURFACES WITH CLEAN DRY CHEESECLOTH.
E. MOUNTING HEIGHTS INDICATED ARE TO THE BOTTOM OF THE LUMINAIRE, UNLESS OTHERWISE NOTED.
F. PRODUCTS: PROVIDE PRODUCTS INDICATED ON DRAWINGS AND SCHEDULES. WHERE MULTIPLE MANUFACTURER SERIES/MODEL NUMBERS ARE LISTED FOR A SINGLE LUMINAIRE, PROVIDE ONE OF THOSE LISTED. WHERE A SPECIFIC MANUFACTURER SERIES/MODEL NUMBER IS LISTED AS BASIS-OF-DESIGN, AND WHERE IT IS STATED THAT EQUIVALENTS WILL BE CONSIDERED, ANY PROPOSED NON-LISTED LUMINAIRES ARE SUBJECT TO REVIEW BY DESIGN PROFESSIONAL(S), SUBMITTALS FOR WHICH SHALL BE FURNISHED AT LEAST (10) DAYS PRIOR TO BID DUE DATE OR THEY WILL NOT BE CONSIDERED. THESE PRE-BID SUBMITTALS SHALL CLEARLY STATE EXACTLY WHAT IS BEING PROPOSED AND SHALL DEMONSTRATE COMPLIANT EQUIVALENCY. SIMILAR REQUESTS FOR PROPOSED SUBSTITUTIONS MAY BE MADE ONLY AFTER BIDS ARE RECEIVED, AND ONLY IF OWNER CHOOSES TO CONSIDER SUBSTITUTION REQUESTS. DESIGN PROFESSIONAL(S) AND OWNER RESERVE THE RIGHT TO REJECT ALL PRODUCTS THAT ARE NOT DEEMED TO BE FULLY EQUIVALENT TO THE BASIS-OF-DESIGN LISTING(S). SUBMIT ALL REQUESTS AND QUESTIONS THROUGH THE FORMALLY-ESTABLISHED BIDDING PROCESS, NOT DIRECTLY TO ENGINEER.

TYPE	DESCRIPTION	MANUFACTURER	MODEL	MOUNTING	FLANGE KIT	LIGHT SOURCE	LAMP QTY	COLOR TEMPERATURE (K)	CRI	LUMEN OUTPUT (L)	BATTERY	BATTERY TYPE	DIMMING PROTOCOL	FINISH	LOAD (VA)	VOLTAGE	PHASE	COMMENTS
ELU	EMERGENCY LIGHTING UNIT	DUAL-LITE	EV	WALL		LED	2	3500	82	250	No	REMOTE-90 MINUTE-SELF-DIAGNOSTIC	NONE	WHITE, BLACK IN FOH	4 VA	120 V	1	REMOTE CAPACITY
ELUR	EMERGENCY LIGHTING UNIT - RECESSED CEILING	ISOLITE	ELF	RECESSED CEILING		LED	3	5000	80	198	Yes	INTEGRAL-90 MINUTES-SELF-DIAGNOSTIC	NONE	BLACK	7 VA	120 V	1	
EX-L	EXISTING LINEAR	EXSTING	EXISTING	EXISTING		LED	1	3500	82	1000	No	NONE	0-10V	WHITE	16 VA	120 V	1	
L1	CANOPY LIGHT	SOLAIS	LCM-1-NFL-9-35-2000-BK-J	CANOPY MOUNT		LED	1	3500	95	2000	No	NONE	0-10V	BLACK	19 VA	120 V	1	
L2	DOWNLIGHT - SQUARE	SENSO	670-A90-618-65-20-02	RECESSED	No	LED	1	3500	95	2000	No	NONE	0-10V	BLACK	32 VA	120 V	1	STANDARD HOUSING
L2-EM	DOWNLIGHT - SQUARE	SENSO	670-A90-618-65-20-02-EMG	RECESSED	No	LED	1	3500	95	2000	Yes	INTEGRAL-90 MINUTE	0-10V	BLACK	32 VA	120 V	1	
L3	DOWNLIGHT - ROUND 3.3"	3G LIGHTING	3G-DL33RA-22-H90-35K-60D-UNV-DIM-BT-BI-NCF-WL	RECESSED	No	LED	1	3500	90	1566	No	NONE	0-10V	WHITE	23 VA	120 V	1	
L4	DOWNLIGHT - ROUND 4.5"	3G LIGHTING	3G-DL45RA-22-H90-35K-60D-UNV-DIM-BT-WI-WL	RECESSED	No	LED	1	3500	90	2200	No	NONE	0-10V	WHITE	22 VA	120 V	1	
L4-EM	DOWNLIGHT - ROUND 4.5"	3G LIGHTING	3G-DL45RA-22-H90-35K-60D-UNV-DIM-BT-WI-WL-EMR	RECESSED	No	LED	1	3500	90	2200	Yes	INTEGRAL-90 MINUTE	0-10V	WHITE	22 VA	120 V	1	
L5	DISK CANOPY DOWNLIGHT	BOCK LIGHTING	PALLONE-CL-9.8-G29-MEDS-DISK-CANOPY-12-G28	CANOPY MOUNTED	No	LED	1	3500	90	1000	No	NONE	0-10V	BRASS	26 VA	120 V	1	
L6	CUSTOM CHANDELIER	PRIMA LIGHTING	PQ21014 - 6 BULB CHANDELIER	SUSPENDED		LED	6	3500	70	2000	No	NONE	NONE	METALLIC COPPER	30 VA	120 V	1	
L7	WALL SCONCE	MODERN FORMS	AEGIS	SURFACE	No	LED	2	3000	90	1146	No	NONE	0-10V	BLACK	22 VA	120 V	1	
L8	TROFFER - RECESSED	LITHONIA	CPX-2X4-80CRI-SW W7-SWL-120	RECESSED	No	LED	1	3500	80	3200	No	NONE	0-10V	WHITE	15 VA	120 V	1	
L8-EM	TROFFER - RECESSED	LITHONIA	CPX-2X4-80CRI-SW W7-SWL-120-E10W LCP	RECESSED	No	LED	1	3500	80	3200	Yes	INTEGRAL-90 MINUTE	0-10V	WHITE	15 VA	120 V	1	
L9	TAPE LIGHT	ACOLYTE	RB-90-SWS268-1.535	MOUNTING CLIPS	No	LED	1	3500	90	<varies>	No	NONE	0-10V	WHITE	<varies>	120 V	1	REFER TO ARCH DRAWINGS FOR SPECIFIC LOCATIONS; 2 VA PER FOOT; 180 LUMENS PER FOOT
X	EXIT SIGN - AC ONLY - THERMOPLASTIC	LITHONIA	EXRG	UNIVERSAL		LED	1	3500	82	0	No	NONE	NONE	WHITE HOUSING, RED LETTERS	2 VA	120 V	1	

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ORIGINAL SHEET - ARCH D

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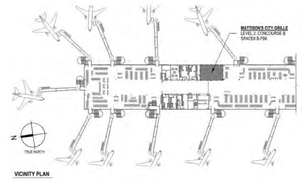
Notes



Revision	By	Appd	YYYY.MM.DD
2 Rev 3 -			2025.01.13
B1 Rev 1 - Bid Addendum			2024.08.16
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued

	By	Appd	YYYY.MM.DD
File Name: N/A			
	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
ELECTRIC LIGHTING - SCHEDULES

Project No.

Scale
1/8" = 1'-0"

Revision
2

Drawing No.
E-103

ELECTRIC KITCHEN SCHEDULE

PANEL	CIRCUIT NUMBER	ITEM #	LOAD NAME	LOAD CLASSIFICATION	VOLTS	POLE	LOAD (kW)	CURRENT (A)	RATING	CONNECTION
A	32,34	108	(G) GLASSWASHER | KITCHEN EQUIPMENT DINING 100	Kitchen Equipment	208 V	2	6.66 kW	32 A	40 A	DIRECT
B	53	117	(G) 117 BACK BAR COOLER | KITCHEN EQUIPMENT DINING - I 100-I	Kitchen Equipment	120 V	1	0.34 kW	3 A	15 A	NEMA 5-15P
B	31	118	(G) 118 BACK BAR COOLER | KITCHEN EQUIPMENT DINING - I 100-I	Kitchen Equipment	120 V	1	0.34 kW	3 A	15 A	NEMA 5-15P
A	39,41	202	(G) 202 COFFEE BREWER | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	208 V	2	6.24 kW	30 A	40 A	DIRECT
A	37	203	(G) 203 SODA DISPENSER | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	120 V	1	1.44 kW	12 A	15 A	5-15P
MGS	8,10	205	(G) 205 ICE MAKER | NON-CONT. KITCHEN 101	Kitchen Equipment	208 V	2	2.31 kW	11 A	20 A	DIRECT
A	19	206	(G) 206 FREEZER REACH-IN | RCPT KITCHEN 101	Kitchen Equipment	120 V	1	1.13 kW	9 A	15 A	NEMA 5-15P
A	21	207	(G) 207 REFRIGERATOR REACH-IN | RCPT KITCHEN 101	Kitchen Equipment	120 V	1	0.97 kW	8 A	15 A	NEMA 5-15P
B	8,10	210	(G) 210 WAREWASHER | KITCHEN EQUIPMENT	Kitchen Equipment	208 V	2	7.49 kW	36 A	50 A	DIRECT
A	24	300	(L) 300 EXHAUST HOOD | NON-CONT. KITCHEN 101	Kitchen Equipment	120 V	1	1.20 kW	10 A	15 A	DIRECT
A	22	300A	(L) 300A FIRE SUPPRESSION SYSTEM | NON-CONT. KITCHEN 101	Kitchen Equipment	120 V	1	1.20 kW	10 A	20 A	DIRECT
A	7,9	301	(G) 301 COMBI STEAMER | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	208 V	2	1.50 kW	7 A	20 A	CORD & PLUG
B	43	302	(G) 302 FRYERS | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	120 V	1	0.80 kW	7 A	15 A	NEMA 5-15P
A	11	303	(G) 303 CHARBROILER | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	120 V	1	0.50 kW	4 A	15 A	NEMA 5-15P
A	13	306	(G) 306 SOUTHBEND RANGE | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	120 V	1	0.71 kW	6 A	15 A	NEMA 5-15P
A	15	307	(G) 307 REFRIGERATED SANDWICH STATION | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	120 V	1	0.68 kW	6 A	15 A	NEMA 5-15P
A	17	309	(G) 309 REFRIGERATED SANDWICH STATION | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	120 V	1	0.58 kW	5 A	15 A	NEMA 5-15P
A	18	311	(G) 311 HEAT LAMP	Kitchen Equipment	120 V	1	1.10 kW	9 A	20 A	DIRECT
A	20	311	(G) 311 HEAT LAMP	Kitchen Equipment	120 V	1	1.10 kW	9 A	20 A	DIRECT
MGS	3	401	(G) 401 SUPPORT SPACE COOLER	Kitchen Equipment	120 V	1	0.10 kW	1 A	15 A	DIRECT
MGS	1	404	(G) 404 | SUPPORT SPACE FREEZER	Kitchen Equipment	120 V	1	1.18 kW	10 A	15 A	DIRECT
MGS	5	407	(G) 407 SUPPORT SPACE COOLER	Kitchen Equipment	120 V	1	0.10 kW	1 A	20 A	DIRECT
MGS	12	407C	(G) BEER LINE CHILLER 407C | DINING - I 100-I	Kitchen Equipment	120 V	1	1.50 kW	13 A	20 A	NEMA 5-20P

DEMOLITION NOTE:

ELECTRICAL CONTRACTOR TO REMOVE EXISTING ELECTRICAL EQUIPMENT, LIGHTING FIXTURES, POWER FIXTURES, MISCELLANEOUS POWER EQUIPMENT, ETC. WITHIN THE SPACE THAT IS NOT INTENDED FOR REUSE.

POWER PLAN GENERAL NOTES

A. EQUIPMENT COORDINATION SCHEDULES: REFER TO EQUIPMENT COORDINATION SCHEDULES FOR REQUIREMENTS ASSOCIATED WITH EQUIPMENT CIRCUITING, CONNECTIONS, ANCILLARY DEVICES AND EQUIPMENT, ETC. COORDINATE LOCATIONS AND REQUIREMENTS FOR ALL EQUIPMENT WITH RESPECTIVE EQUIPMENT SUPPLIERS AND INSTALLERS PRIOR TO ORDERING ANY RELATED MATERIALS OR COMMENCING WITH ANY RELATED ROUGH-IN WORK.

B. TECHNOLOGY SYSTEMS: PROVIDE RACEWAY AND PATHWAY SYSTEMS FOR ALL TECHNOLOGY WORK. INCLUDE OUTLET BOXES, CONDUITS, RACEWAYS, J-HOOKS, CABLE TRAY, ETC. AS REQUIRED FOR COMPLETE OPERATIONAL SYSTEMS. COORDINATE ALL RELATED WORK (INCLUDING ASSOCIATED POWER) WITH OWNER (INCLUDING OWNER'S PROJECT MANAGER), FIELD CONDITIONS, FURNITURE INSTALLER(S), TECHNOLOGY INSTALLER(S) AND WORK OF OTHER TRADES AND SUPPLIERS/INSTALLERS AS APPLICABLE. TERMINATE ALL CONDUITS FROM OUTLET BOXES TO NEAREST ACCESSIBLE CEILING CAVITY, OR TO OVERHEAD STRUCTURAL SPACE FOR AREAS WITH NO CEILINGS. PROVIDE CONDUITS WITH SWEEP BENDS, PULL STRINGS, PLASTIC BUSHINGS AND IDENTIFICATION AT OVERHEAD ENDS. PROVIDE BLANK WALL PLATES TO MATCH WIRING DEVICE WALL PLATES.

C. STOREFRONT WINDOWS: INSTALL RECEPTACLE(S) INDICATED ABOVE STOREFRONT WINDOWS WITHIN 18 INCHES OF THE TOP OF STOREFRONT WINDOWS, AND INSTALL COMPLIANT WITH NEC, INCLUDING ARTICLE 210.62.

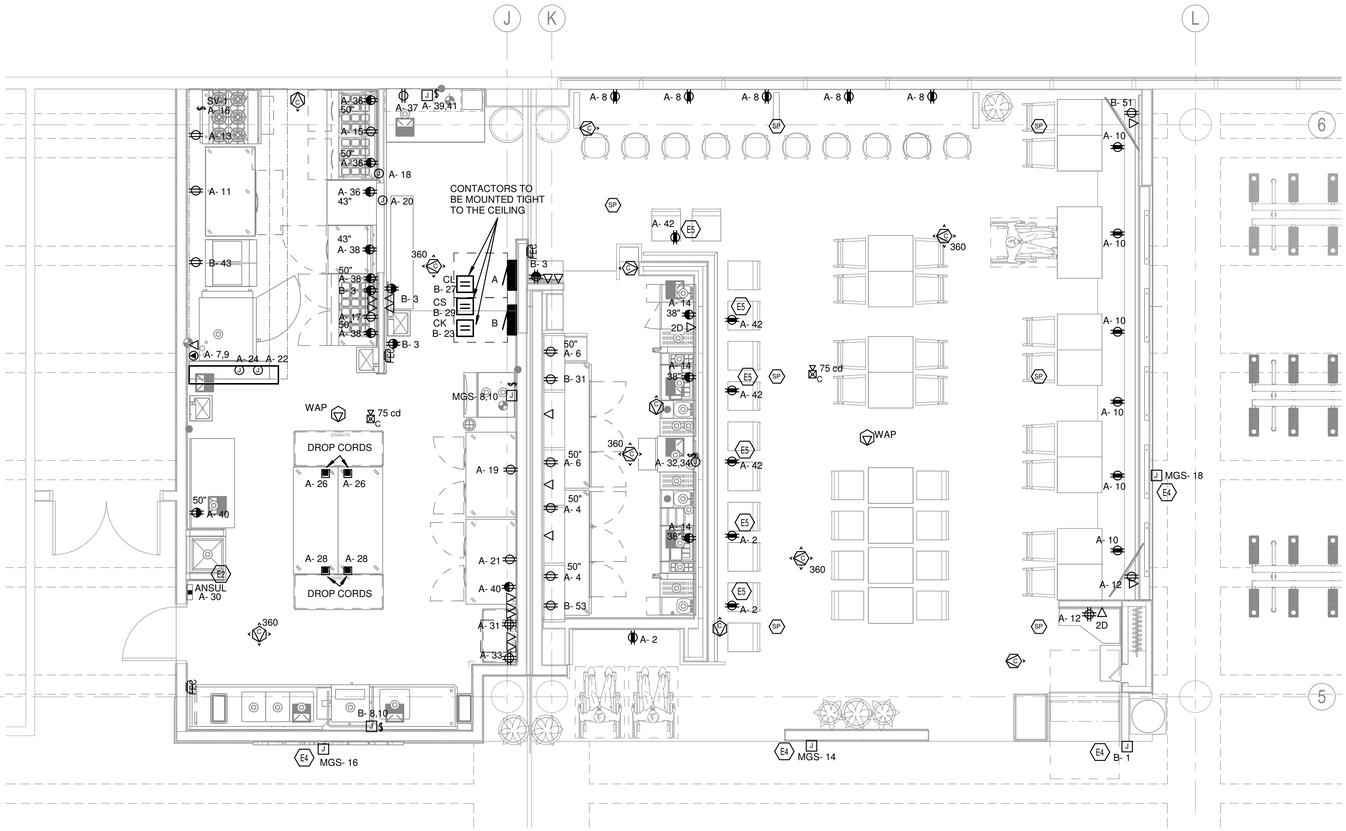
D. TRIM AND DOOR FINISHES: PROVIDE FACTORY-PAINTED OR FIELD-PAINTED TRIMS AND DOORS TO MATCH WALL FINISH COLOR FOR ALL PANELBOARDS AND SIMILAR EQUIPMENT THAT ARE INSTALLED RECESSED IN FINISHED WALLS. IF FIELD-PAINTED, PAINT ALL SIDES AND EDGES WITH TWO COATS OF PAINT BEFORE INSTALLATION, AND LET DRY BEFORE INSTALLING THEM. ENSURE THAT NO COMPONENTS ARE (DOORS, LATCHES, SCREWS, ETC.) ARE "PAINTED SHUT".

E. SIGNAGE: COORDINATE ALL SIGNAGE REQUIREMENTS WITH OWNER (INCLUDING OWNER'S PROJECT MANAGER), SIGNAGE SUPPLIERS AND INSTALLERS, AND ARCHITECT TO DETERMINE SPECIFICS REGARDING LOCATIONS, POWER, CONTROL, AND OTHER PERTINENT INFORMATION. PROVIDE POWER (ON DEDICATED CIRCUIT(S)) FOR SIGNAGE REQUIRING POWER CONNECTIONS. PROVIDE PHOTOCELL AND TIME-BASED CONTROL, CONFIGURED AS DIRECTED BY OWNER. PROVIDE ALL ELECTRICAL WORK, INCLUDING DISCONNECTING MEANS, COMPLIANT WITH ARTICLE 600 OF NFPA 70. COMPLY WITH LANDLORD REQUIREMENTS WHERE APPLICABLE.

KEYED NOTES

E2	PROVIDE SURFACE MOUNTED EMPTY OCTAGON BOX FOR HOOD FIRE SUPPRESSION SYSTEM MANUAL ACTIVATION STATION. PROVIDE FOR EACH HOOD FIRE SUPPRESSION SYSTEM INSTALLED. INSTALL AT 48" TO TOP OF OUTLET BOX ABOVE FINISHED FLOOR AND PROVIDE (1) SURFACE MOUNTED, STRAIGHT 1/2" EMPTY CONDUIT (NO BENDS) FROM BOX TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE DIRECTED BY THE FIRE SUPPRESSION INSTALLER. INSTALL BOX NEAR MEANS OF EGRESS, BETWEEN 10 AND 20 FEET FROM THE COOKING AREA. FINAL LOCATIONS SHALL BE DETERMINED BY FIRE SUPPRESSION SYSTEM INSTALLER, COORDINATE IN FIELD.
E4	PROVIDE POWER AND CONTROL WIRING, CONNECTIONS, ETC. FOR SIGNAGE. COORDINATE EXACT LOCATION, HEIGHT, AND ELECTRICAL REQUIREMENTS WITH SIGNAGE INSTALLER AND PROVIDE ELECTRICAL WORK ACCORDINGLY. WHERE THE SIGN IS NOT PROVIDED WITH AN INTEGRAL DISCONNECTING MEANS, PROVIDE FLUSH-MOUNTED, LOCAL DISCONNECT SWITCH INSTALLED IN A CONCEALED, BUT ACCESSIBLE, LOCATION WITHIN SITE OF THE SIGN. WHERE THIS IS NOT POSSIBLE, PROVIDE LOCK-OUT, TAG-OUT BREAKER IN SOURCE PANELBOARD IN LIEU OF LOCAL DISCONNECT SWITCH AND A LABEL INSIDE THE SIGN ENCLOSURE IDENTIFYING THE BREAKER'S LOCATION PER NEC 600.6(A)(2).
E5	BAR USB/RECEPTACLES TO BE MOUNTED IN BAR MILLWORK. CONTRACTOR TO COORDINATE LOCATIONS AND MOUNTING HEIGHTS WITH KITCHEN VENDOR. USB RECEPTACLE SPECIFICATION TO BE LEVITON T5633-E FOR CUSTOMER SIDE OF BAR ONLY.

ALL TENANT MUSIC SPEAKERS TO BE COORDINATED WITH AIRPORT FIRE ALARM SPEAKERS FOR OVERRIDING TENANT SPEAKERS DURING EMERGENCIES.



1 ELECTRIC POWER PLAN
1/4" = 1'-0"

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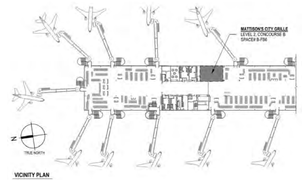
Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
2 Rev 3 -			2025.01.13
1 Rev 2 - Client Changes			2024.10.25
B1 Rev 1 - Bid Addendum			2024.08.16
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued

	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd.

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

ELECTRIC POWER PLAN

Project No.

Scale
1/4" = 1'-0"

Revision
2

Drawing No.
E-201

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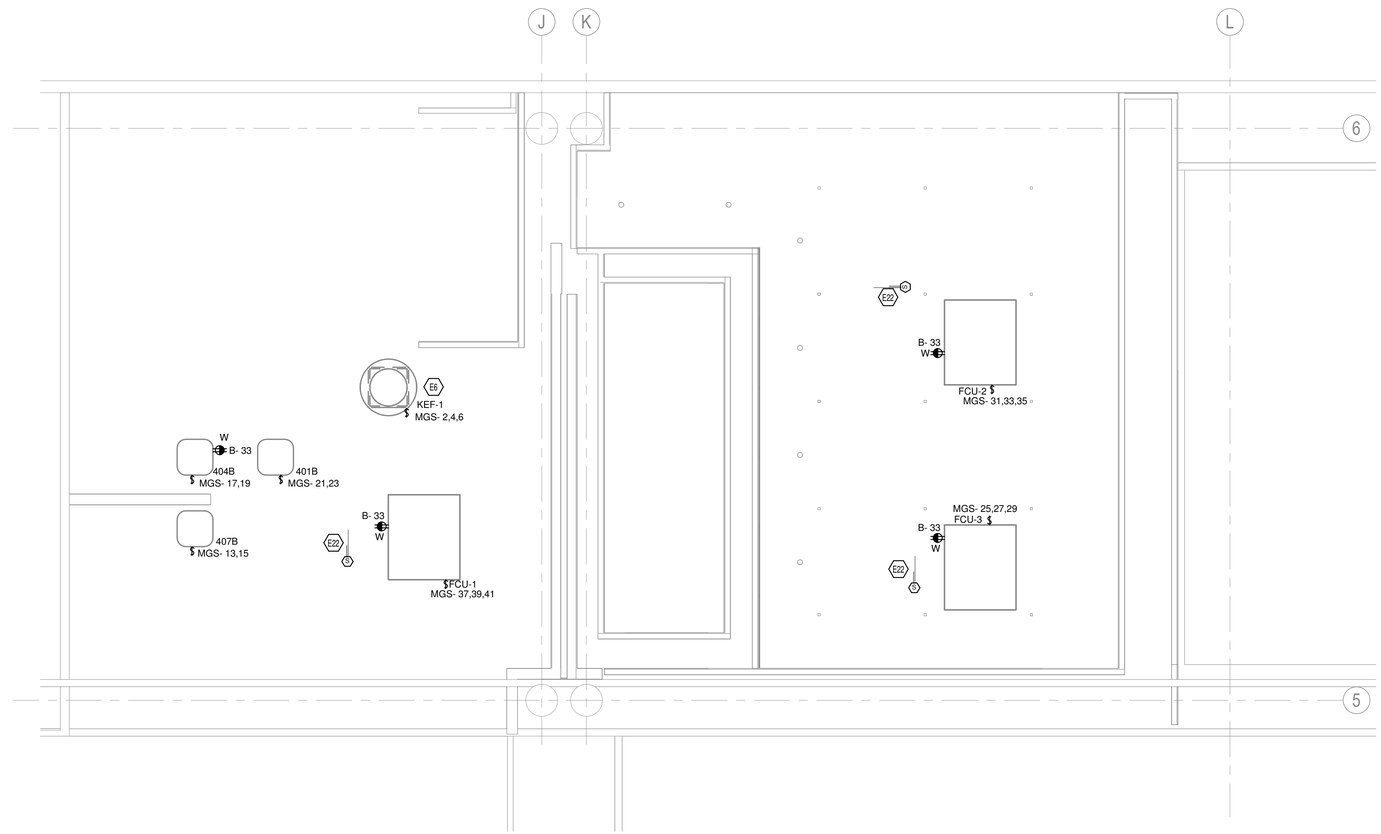
ORIGINAL SHEET - ARCH D

KEYED NOTES

E6	EXHAUST FAN SHALL BE CONTROLLED VIA KITCHEN HOOD SO THAT WHEN THE HOOD IS IN USE, THE EXHAUST FAN WILL BE ENERGIZED.
E22	SMOKE DETECTOR INDICATED IS FOR SHUTDOWN OF ASSOCIATED MECHANICAL EQUIPMENT (TAGGED ADJACENT TO THE DETECTOR). QUANTITY AND TYPE SHOWN IS SCHEMATIC ONLY. PROVIDE QUANTITIES AND TYPES AS NEEDED FOR THE SPECIFIC MEANS AND METHODS USED. MECHANICAL CONTRACTOR SHALL INSTALL ALL DETECTORS THAT ARE INSIDE OF DUCTWORK. PROVIDE ALL RELATED WORK SO THAT WHEN SMOKE IS DETECTED THE ASSOCIATED MECHANICAL EQUIPMENT SHUTS DOWN UNTIL ALARM IS CLEARED AT THE FIRE ALARM PANEL. REFER TO FIRE ALARM SPECIFICATIONS FOR MORE INFORMATION.



1 ELECTRIC POWER ROOF PLAN
1/4" = 1'-0"

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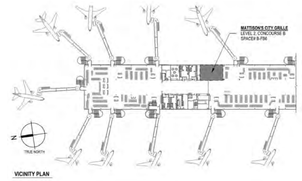

VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL

Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

ELECTRIC POWER ROOF PLAN

Project No.	Scale
	1/4" = 1'-0"
Revision	Drawing No.
	E-202

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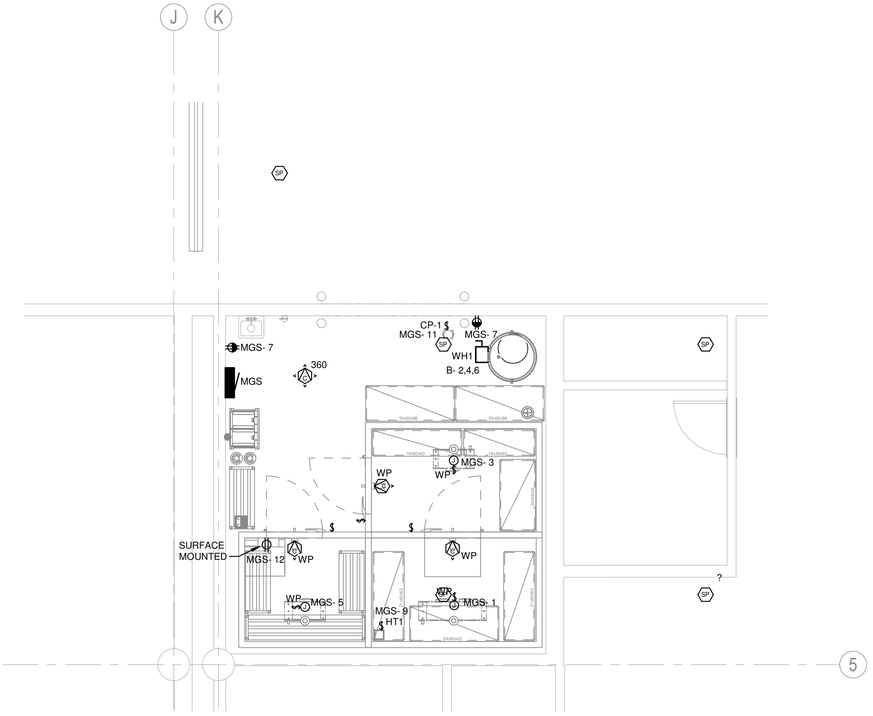
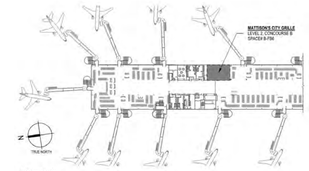
ORIGINAL SHEET - ARCH D

KEYED NOTES



1 ELECTRIC POWER SUPPORT SPACE PLAN
1/4" = 1'-0"



VICINITY PLAN

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Notes

1	Rev 2 - Client Changes			2024.10.25
Revision		By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION		KLH	KLH	2025.01.16
Issued		By	Appd	YYYY.MM.DD
File Name: N/A		Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

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Mattison's City Grille

Client/Project

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Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

ELECTRIC POWER SUPPORT SPACE PLAN

Project No.

Scale
1/4" = 1'-0"

Revision
1

Drawing No.
E-203

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ORIGINAL SHEET - ARCH D

HVAC ELECTRICAL COORDINATION SCHEDULE

ABBREVIATIONS		CONTRACTOR TYPE		MOTOR CONTROL TYPE		CONTROL TYPE		SHORT CIRCUIT RATING
DC	LOCAL DISCONNECT	EC	ELECTRICAL CONTRACTOR	CS	COMBINATION STARTER	TC	TIMECLOCK	WHERE SHORT CIRCUIT
MC	MOTOR CONTROL (POWER)	EX	EXISTING	MCC	MOTOR CONTROL STARTER	CPT	CONTROL POWER TRANSFORMER	RATING CODE REQUIRED
SD	DUCT SMOKE DETECTOR	FC	FIRE PROTECTION CONTRACTOR	MG	MAGNETIC STARTER OR CONTACT	BAS	BUILDING AUTOMATION SYSTEM	VALUE INDICATES "YES"
CN	CONTROLS	GC	GENERAL CONTRACTOR	MS	MANUAL STARTER	LOW	LOW VOLTAGE CONTROLS	APPLICABLE EQUIPMENT'S
TS	TOGGLE SWITCH	HC	HVAC CONTRACTOR	VFD	VARIABLE FREQUENCY DRIVE	LINE	LINE VOLTAGE CONTROLS	SHORT CIRCUIT RATING
C/B	H.A.C.R. CIRCUIT BREAKER AT SOURCE PANELBOARD	MFR	MANUFACTURER	MSR	MANUAL STARTER W/ CONTROL RELAY	RLINE	REVERSE ACTING LINE VOLTAGE THERMOSTAT	SHALL EXCEED THE
FUSE	FUSE AT LOCAL DISCONNECT (VERIFY FIELD RATING)	PC	PLUMBING CONTRACTOR	OV	OVERCURRENT PROTECTION	MAN	MANUAL	AVAILABLE FAULT
FLA	OPERATING FULL LOAD AMPS	OR	OWNER OR OTHERS			FA	FIRE ALARM	CURRENT VALUE
MCA	MINIMUM CIRCUIT AMPACITY					CO	CARBON MONOXIDE SENSOR	INDICATED.
CP	CORD AND PLUG CONNECTION					INT	INTEGRAL TO EQUIPMENT	
[BLANK]	HARD WIRED (WHEN INDICATED FOR DC TYPE)					ASD	AREA SMOKE DETECTOR	
						DSD	DUCT SMOKE DETECTOR	

CONNECTION MARK	DESCRIPTION	VOLTAGE	PHASE	EMERGENCY	HP	WATTS	HTG KW	FLA	MCA	OCP	FED FROM	DC TYPE	DC FURN	DC INST	DC WIRE	MC TYPE	MC FURN	MC INST	MC WIRE	CN TYPE	CN FURN	CN INST	CN WIRE	SHORT CIRCUIT RATING CODE REQUIRED?	AVAILABLE FAULT CURRENT
FCU-1	CHILLED WATER FAN COIL UNIT	208 V	3	NO				3.7	4.63	15			EC	EC	EC	MG	MFR	MFR	MFR	BAS	HC	HC	HC	Yes	1640
FCU-2	CHILLED WATER FAN COIL UNIT	208 V	3	NO				3.7	4.63	15			EC	EC	EC	MG	MFR	MFR	MFR	BAS	HC	HC	HC	Yes	1420
FCU-3	CHILLED WATER FAN COIL UNIT	208 V	3	NO				3.7	4.63	15			EC	EC	EC	MG	MFR	MFR	MFR	BAS	HC	HC	HC	Yes	1316
KEF-1	HVAC FAN	208 V	3	NO	5			15					EC	EC	EC	MG	MFR	MFR	MFR	LOW	HC	HC	HC	No	2299

PLUMBING ELECTRICAL COORDINATION SCHEDULE

ABBREVIATIONS		CONTRACTOR TYPE		MOTOR CONTROL TYPE		CONTROL TYPE		SHORT CIRCUIT RATING
DC	LOCAL DISCONNECT	EC	ELECTRICAL CONTRACTOR	CS	COMBINATION STARTER	TC	TIMECLOCK	WHERE SHORT CIRCUIT
MC	MOTOR CONTROL (POWER)	EX	EXISTING	MCC	MOTOR CONTROL STARTER	CPT	CONTROL POWER TRANSFORMER	RATING CODE REQUIRED
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CN	CONTROLS	GC	GENERAL CONTRACTOR	MS	MANUAL STARTER	LOW	LOW VOLTAGE CONTROLS	APPLICABLE EQUIPMENT'S
TS	TOGGLE SWITCH	HC	HVAC CONTRACTOR	VFD	VARIABLE FREQUENCY DRIVE	LINE	LINE VOLTAGE CONTROLS	SHORT CIRCUIT RATING
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FUSE	FUSE AT LOCAL DISCONNECT (VERIFY FIELD RATING)	PC	PLUMBING CONTRACTOR	OV	OVERCURRENT PROTECTION	MAN	MANUAL	AVAILABLE FAULT CURRENT
FLA	OPERATING FULL LOAD AMPS	OR	OWNER OR OTHERS			FA	FIRE ALARM	VALUE INDICATED.
MCA	MINIMUM CIRCUIT AMPACITY					CO	CARBON MONOXIDE SENSOR	
CP	CORD AND PLUG CONNECTION					INT	INTEGRAL TO EQUIPMENT	
[BLANK]	HARD WIRED (WHEN INDICATED FOR DC TYPE)					ASD	AREA SMOKE DETECTOR	
						DSD	DUCT SMOKE DETECTOR	

CONNECTION MARK	DESCRIPTION	VOLTAGE	PHASE	EMERGENCY	HP	WATTS	HTG KW	FLA (A)	MCA (A)	OCP (A)	FED FROM	DC TYPE	DC FURN	DC INST	DC WIRE	MC TYPE	MC FURN	MC INST	MC WIRE	CN TYPE	CN FURN	CN INST	CN WIRE	SHORT CIRCUIT RATING CODE REQUIRED?	AVAILABLE FAULT CURRENT
SV-1	PLUMBING SOLENOID VALVE	120 V	1			35.1							EC	EC	EC	--	--	--	--	LINE	EC	EC	EC	No	1706
WH1	TANK TYPE ELECTRIC WATER HEATER	208 V	3				24	66.6					EC	EC	EC	--	--	--	--	INT	MFR	MFR	MFR	No	4355
CP-1	DOMESTIC HOT WATER CIRCULATION PUMP	120 V	1		0.04			0.79					EC	EC	EC	MG	MFR	MFR	MFR	LINE	PC	PC	EC	No	1492
HT1	PLUMBING HEAT TRACE PANEL	120 V	1				30	15					EC	EC	EC	--	--	--	--	LINE	PC	PC	PC	No	1294

ELECTRIC KITCHEN SCHEDULE

PANEL	CIRCUIT NUMBER	ITEM #	LOAD NAME	LOAD CLASSIFICATION	VOLTS	POLE	LOAD (kW)	CURRENT (A)	RATING	CONNECTION
A	32,34	108	(G) GLASSWASHER | KITCHEN EQUIPMENT DINING 100	Kitchen Equipment	208 V	2	6.66 kW	32 A	40 A	DIRECT
B	53	117	(G) 117 BACK BAR COOLER | KITCHEN EQUIPMENT DINING - I 100-I	Kitchen Equipment	120 V	1	0.34 kW	3 A	15 A	NEMA 5-15P
B	31	118	(G) 118 BACK BAR COOLER | KITCHEN EQUIPMENT DINING - I 100-I	Kitchen Equipment	120 V	1	0.34 kW	3 A	15 A	NEMA 5-15P
A	39,41	202	(G) 202 COFFEE BREWER | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	208 V	2	6.24 kW	30 A	40 A	DIRECT
A	37	203	(G) 203 SODA DISPENSER | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	120 V	1	1.44 kW	12 A	15 A	5-15P
MGS	8,10	205	(G) 205 ICE MAKER | NON-CONT. KITCHEN 101	Kitchen Equipment	208 V	2	2.31 kW	11 A	20 A	DIRECT
A	19	206	(G) 206 FREEZER REACH-IN | RCPT KITCHEN 101	Kitchen Equipment	120 V	1	1.13 kW	9 A	15 A	NEMA 5-15P
A	21	207	(G) 207 REFRIGERATOR REACH-IN | RCPT KITCHEN 101	Kitchen Equipment	120 V	1	0.97 kW	8 A	15 A	NEMA 5-15P
B	8,10	210	(G) 210 WAREWASHER | KITCHEN EQUIPMENT	Kitchen Equipment	208 V	2	7.49 kW	36 A	50 A	DIRECT
A	24	300	(L) 300 EXHAUST HOOD | NON-CONT. KITCHEN 101	Kitchen Equipment	120 V	1	1.20 kW	10 A	15 A	DIRECT
A	22	300A	(L) 300A FIRE SUPPRESSION SYSTEM | NON-CONT. KITCHEN 101	Kitchen Equipment	120 V	1	1.20 kW	10 A	20 A	DIRECT
A	7,9	301	(G) 301 COMBI STEAMER | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	208 V	2	1.50 kW	7 A	20 A	CORD & PLUG
B	43	302	(G) 302 FRYERS | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	120 V	1	0.80 kW	7 A	15 A	NEMA 5-15P
A	11	303	(G) 303 CHARBROILER | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	120 V	1	0.50 kW	4 A	15 A	NEMA 5-15P
A	13	306	(G) 306 SOUTHBEND RANGE | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	120 V	1	0.71 kW	6 A	15 A	NEMA 5-15P
A	15	307	(G) 307 REFRIGERATED SANDWICH STATION | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	120 V	1	0.68 kW	6 A	15 A	NEMA 5-15P
A	17	309	(G) 309 REFRIGERATED SANDWICH STATION | KITCHEN EQUIPMENT KITCHEN 101	Kitchen Equipment	120 V	1	0.58 kW	5 A	15 A	NEMA 5-15P
A	18	311	(G) 311 HEAT LAMP	Kitchen Equipment	120 V	1	1.10 kW	9 A	20 A	DIRECT
A	20	311	(G) 311 HEAT LAMP	Kitchen Equipment	120 V	1	1.10 kW	9 A	20 A	DIRECT
MGS	3	401	(G) 401 SUPPORT SPACE COOLER	Kitchen Equipment	120 V	1	0.10 kW	1 A	15 A	DIRECT
MGS	1	404	(G) 404 | SUPPORT SPACE FREEZER	Kitchen Equipment	120 V	1	1.18 kW	10 A	15 A	DIRECT
MGS	5	407	(G) 407 SUPPORT SPACE COOLER	Kitchen Equipment	120 V	1	0.10 kW	1 A	20 A	DIRECT
MGS	12	407C	(G) BEER LINE CHILLER 407C | DINING - I 100-I	Kitchen Equipment	120 V	1	1.50 kW	13 A	20 A	NEMA 5-20P

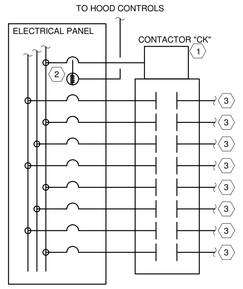
ELECTRIC SHUNT TRIP CONTACTOR SCHEDULE

NOTES:
1) PROVIDE A MINIMUM OF (2) SPARE CONTACTS IN EACH CONTACTOR UNLESS NOTED OTHERWISE.
2) REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3) CONTACTOR DESIGNATIONS DO NOT INDICATE QUANTITY OF CONTACTORS, THEY INDICATE CONTACTOR GROUPING(S) AND COMMON CONTROL METHODS ONLY. PROVIDE QUANTITY OF CONTACTOR(S) NEEDED TO ACCOMMODATE NUMBER OF POLES SHOWN.

CONTROL ZONE DESCRIPTION & CONTACTOR CONTROL METHOD

CK: SHUNT TRIP KITCHEN CONTACTOR

SUPPLY	CIRCUIT NUMBER	NUMBER OF POLES	CONTACT CURRENT	LOAD NAME
CK				
A	7,9	2	7 A	(G) 301 COMBI STEAMER | KITCHEN EQUIPMENT KITCHEN 101
A	11	1	4 A	(G) 303 CHARBROILER | KITCHEN EQUIPMENT KITCHEN 101
A	13	1	6 A	(G) 306 SOUTHBEND RANGE | KITCHEN EQUIPMENT KITCHEN 101
B	43	1	7 A	(G) 302 FRYERS | KITCHEN EQUIPMENT KITCHEN 101



DETAIL NOTES

1. PROVIDE ELECTRICALLY HELD CONTACTOR. CONTACTOR SHALL BE LOCATED ABOVE PANELS. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
2. PROVIDE SHUNT-TRIP BREAKER FOR CIRCUIT CONTROLLING CONTACTOR.
3. CONTACTOR SHALL CONTROL ALL KITCHEN EQUIPMENT UNDERNEATH HOOD.

DETAIL 4 - SHUNT TRIP CONTACTOR

SCALE: NONE

ELECTRIC EQUIPMENT SUPPLY SCHEDULE

EQUIPMENT MARK	SUPPLY FROM	CKT	EMERG.	LOAD (kVA)	AVAILABLE FAULT CURRENT	VOLTS	POLE	HTG KW	WATT	HP	FLA (A)	MCA (A)	RQD OCP (A)	BREAKER RATING (A)
CP-1	MGS	11		0.10	1492	120 V	1			0.04	0.79			15
FCU-1	MGS	37,39,41	NO	1.33	1640	208 V	3				3.7	4.63	15	15
FCU-2	MGS	31,33,35	NO	1.33	1420	208 V	3				3.7	4.63	15	15
FCU-3	MGS	25,27,29	NO	1.33	1316	208 V	3				3.7	4.63	15	15
HT1	MGS	9		1.80	1294	120 V	1	30			15			20
KEF-1	MGS	2,4,6	NO	5.40	2299	208 V	3			5	15			30
SV-1	A	16		0.04	1706	120 V	1		35.1					20
WH1	B	2,4,6		23.99	4355	208 V	3	24			66.6			90

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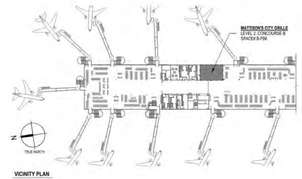
Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

ELECTRIC POWER SCHEDULES

Project No.

Scale
1/8" = 1'-0"

Revision

Drawing No.
E-204

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ORIGINAL SHEET - ARCH D

ELECTRIC PANELBOARD AND SWITCHBOARD SCHEDULE

TYPICAL EQUIPMENT NAME NOMENCLATURE:
1 - POWER DISTRIBUTION SYSTEM (BLANK - NORMAL, E - EMERGENCY, S - STANDBY, L - LIFE SAFETY)
2 - DESCRIPTION (H - 480Y/277V, L - 208Y/120V)
3 - FLOOR / LEVEL
4 - SEQUENCE

ALL ALUMINUM BUSSING SHALL BE TIN-PLATED. ALL COPPER BUSSING SHALL BE EITHER TIN-PLATED OR SILVER-PLATED

EQUIPMENT	PHASE	SPACE NUMBER	SPACE NAME	SUPPLY FROM	POWER BRANCH	TYPE	VOLTAGE	PHASE	WIRES	DEMAND (kVA)	DEMAND (A)	MAINS RATING (A)	MAINS FRAME RATING (A)	MAINS TYPE	BUSSING (PLATED)	MOUNTING	FEEDER	LUGS TYPE	SPD	ULSE	GEC	ENCLOSURE TYPE	FAULT CURRENT (A)	SHORT CIRCUIT RATING (A)	NOTES
A	New Construction	101	KITCHEN	D1		Branch Panelboard	208	3	4	68256 VA	189 A	250	250	THERMAL MAGNETIC	COPPER OR ALUMINUM	SURFACE	(4) #250 KCMIL CU, (1) #4 AWG CU GND. IN 3" CONDUIT 75C RATED	FEED-THROUGH				NEMA 1	5712	10000	
B	New Construction	101	KITCHEN	A		Branch Panelboard	208	3	4	44070 VA	122 A	250	250	MAIN LUGS ONLY	COPPER OR ALUMINUM	SURFACE	(4) #250 KCMIL CU, (1) #4 AWG CU GND. IN 3" CONDUIT 75C RATED					NEMA 1	5674	10000	
MGS	New Construction	100-I	DINING - I	LTEN		Branch Panelboard	208	3	4	24093 VA	67 A	70	70	MAIN LUGS ONLY	COPPER OR ALUMINUM	SURFACE	(4) #4 AWG CU, (1) #8 AWG CU GND. IN 1-1/4" CONDUIT 75C RATED					NEMA 1	3903	10000	

ELECTRIC FEEDER SCHEDULE

NOTES:
ALL CONDUIT SIZES INDICATED ARE MINIMUM SIZES. INCREASE SIZES AS REQUIRED TO ACCOMMODATE CONDUCTOR PULLING EASE, FIELD CONDITIONS, ETC.

"CU" = COPPER CONDUCTOR,
"AL" = ALUMINUM CONDUCTOR

** WHERE THESE FIELDS ARE BLANK, PROVIDE INSULATION & CONDUIT MATERIAL PER THE CONDUIT & WIRE MATERIAL SCHEDULE.

FEEDER ID NOMENCLATURE:
* - INDICATES FEEDER SIZED TO COMPENSATE FOR VOLTAGE DROP
1 - GROUND TYPE (MAY BE BLANK)
U = EQUIPMENT GROUND CONDUCTOR REMOVED FOR SERVICE ENTRANCE FROM UTILITY
P = PARITY-SIZED EQUIPMENT GROUND CONDUCTOR
X = EXISTING FEEDER TO REMAIN UNLESS OTHERWISE NOTED
T = UPSIZED GROUND CONDUCTORS FOR TRANSFORMER SECONDARY
2 - CONDUCTOR AMPACITY
3 - TOTAL NUMBER OF PHASE AND GROUNDED ("NEUTRAL") CONDUCTORS
4 - CONDUCTOR MATERIAL: C = COPPER, A = ALUMINUM
5 - SPECIAL (MAY BE BLANK)
I = ISOLATED GROUND (PROVIDE CONTINUOUS INSULATED ISOLATED EQUIPMENT GROUNDING CONDUCTOR(S) FROM INSULATED ISOLATED GROUND BAR(S) TO RESPECTIVE UPSTREAM SERVICE ENTRANCE OR DERIVED SYSTEM GROUNDING ELECTRODE CONDUCTOR AS APPLICABLE.

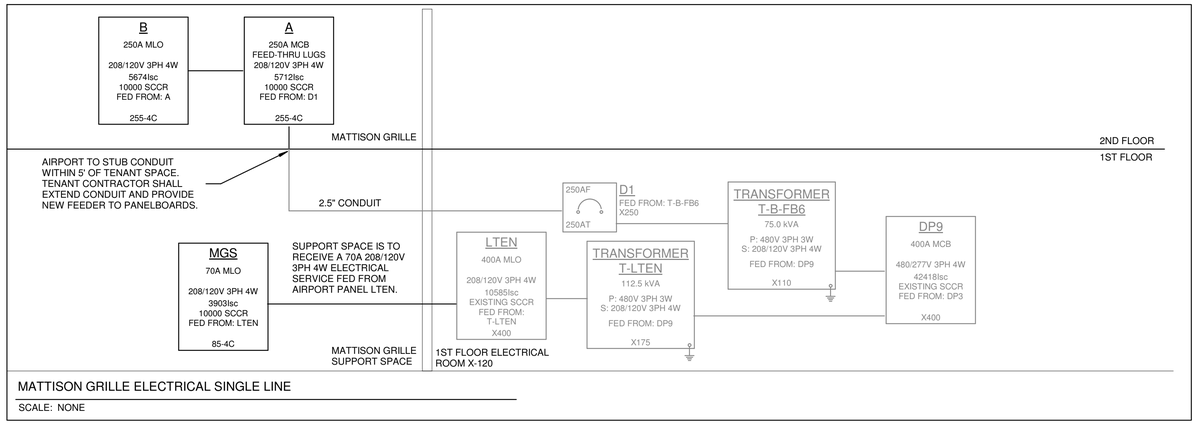
SUPPLY TO	SUPPLY FROM	FEEDER ID	FEEDER	INSULATION **	CONDUIT**	DEMAND (A)	VD %	NOTES
DP3						0 A	0	
-- DP9	DP3	X400	EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE			111 A	0.111	
---- T-B-FB6	DP9	X110	EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE			82 A	0.162	
------ D1	T-B-FB6	X250	EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE			189 A	0.269	
-------- A	D1	255-4C	(4) #250 KCMIL CU, (1) #4 AWG CU GND. IN 3" CONDUIT 75C RATED			189 A	0.946	
---------- B	A	255-4C	(4) #250 KCMIL CU, (1) #4 AWG CU GND. IN 3" CONDUIT 75C RATED			122 A	0.964	
---- T-LTEN	DP9	X175	EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE			29 A	0.122	
------ LTEN	T-LTEN	X400	EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE			67 A	0.142	
--------- MGS	LTEN	85-4C	(4) #4 AWG CU, (1) #8 AWG CU GND. IN 1-1/4" CONDUIT 75C RATED			67 A	1.464	

ELECTRIC TRANSFORMER SCHEDULE

TYPICAL EQUIPMENT NAME NOMENCLATURE:
1 - POWER DISTRIBUTION SYSTEM (BLANK - NORMAL, E - EMERGENCY, S - STANDBY, L - LIFE SAFETY)
2 - DESCRIPTION (H - 480Y/277V, L - 208Y/120V)
3 - FLOOR / LEVEL
4 - SEQUENCE

GENERAL TRANSFORMER NOTES:
A. FOR FLOOR-MOUNTED TRANSFORMERS, PROVIDE PERMANENT MARKING ON TRANSFORMER THAT READS "STORING ITEMS ON TOP OF TRANSFORMER IS PROHIBITED.

EQUIPMENT	PHASE	SPACE NUMBER	SPACE NAME	SUPPLY FROM	TYPE	RATING	DEMAND (kVA)	PRIMARY VOLTAGE	PRIMARY WIRES	SECONDARY VOLTAGE	SECONDARY WIRES	WINDINGS	ENCLOSURE TYPE	K-RATING	MOUNTING	NOTES
T-B-FB6	Existing			DP9	Dry Type Transformers	75.0 kVA	68.3 kVA	480 V	3	208	4	(none)	NEMA 1		PAD	
T-LTEN	Existing			DP9	Dry Type Transformers	112.5 kVA	24.1 kVA	480 V	3	208	4	(none)			PAD	



MATTISON GRILLE ELECTRICAL SINGLE LINE

SCALE: NONE

Consultant

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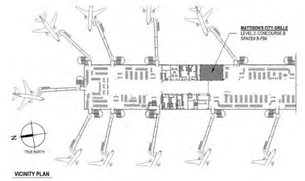
Notes



VICINITY PLAN

1 Rev 2 - Client Changes			2024.10.25
Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16
Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

ELECTRIC POWER - SINGLE LINE DIAGRAM

Project No.	Scale
	1/8" = 1'-0"
Revision	Drawing No.
1	E-601

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ORIGINAL SHEET - ARCH D

PANEL NAME: MGS

BUSSING: COPPER OR ALUMINUM | **MOUNTING:** SURFACE | **PHASE:** New Construction
SUPPLY FROM: LTEN | **MAINS RATING (A):** 70 | **FAULT CURRENT (A):** 3903 | **SURGE SUPRESSION:**
LOCATION: DINING - I 100-I | **MAINS TYPE:** MAIN LUGS ONLY | **SHORT CIRCUIT RATING (A):** 10000 | **ULSE:**
DISTRIBUTION SYSTEM: 208/120V 3PH 4W | **FEEDER ID:** 85-4C | **LUGS TYPE:** | **200% NEUTRAL:**
FEEDER: (4) #4 AWG CU, (1) #8 AWG CU GND. IN 1-1/4" CONDUIT 75C RATED | **ENCLOSURE TYPE:** NEMA 1 | **ISOLATED GROUND:**

CKT	CIRCUIT DESCRIPTION	VD%	AWG	GND	TRIP	FRAME	POLE	A		B		C		POLE	FRAME	TRIP	GND	AWG	VD%	CIRCUIT DESCRIPTION	CKT
1	(G) 404 | SUPPORT SPACE FREEZER	0.918	#12	#12	15 A	15 A	1	1.18	1.80												2
3	(G) 401 SUPPORT SPACE COOLER	0.055	#12	#12	15 A	15 A	1			0.10	1.80			3	30 A	30 A	#10	#10	0.327	KEF-1	4
5	(G) 407 SUPPORT SPACE COOLER	0.055	#12	#12	20 A	20 A	1					0.10	1.80								6
7	RCPT DINING - I 100-I	0.043	#12	#12	20 A	20 A	1	0.36	1.15					2	20 A	20 A	#12	#12	0.135	(G) 205 ICE MAKER | NON-CONT. KITCHEN 101	8
9	HT1	1.894	#12	#12	20 A	20 A	1			1.80	1.15										10
11	CP-1	0.08	#12	#12	15 A	15 A	1					0.10	1.50	1	20 A	20 A	#12	#12	0.562	(G) BEER LINE CHILLER 407C | DINING - I 100-I	12
13	407B REFRIGERATION SYSTEM	0.549	#12	#12	15 A	15 A	2	0.73	0.60					1	20 A	20 A	#12	#12	0.583	SIGNAGE | CONTINUOUS	14
15										0.73	0.60			1	20 A	20 A	#12	#12	0.569	SIGNAGE | CONTINUOUS	16
17	404B REFRIGERATION SYSTEM	0.494	#12	#12	15 A	15 A	2					0.73	1.20	1	20 A	20 A	#12	#12	1.309	SIGNAGE | CONTINUOUS	18
19								0.73	0.07					1	20 A	20 A	#12	#12	0.029	LTG	20
21	401B REFRIGERATION SYSTEM	0.425	#12	#12	15 A	15 A	2			0.73	0.00			1	20 A	20 A	--	--	--	SPARE	22
23												0.73	0.00	1	20 A	20 A	--	--	--	SPARE	24
25								0.44	0.00					1	20 A	20 A	--	--	--	SPARE	26
27	FCU-3	0.228	#12	#12	15 A	15 A	3			0.44	0.00			1	20 A	20 A	--	--	--	SPARE	28
29												0.44	0.00	1	20 A	20 A	--	--	--	SPARE	30
31								0.44	0.00					1	20 A	20 A	--	--	--	SPARE	32
33	FCU-2	0.202	#12	#12	15 A	15 A	3			0.44	0.00			1	20 A	20 A	--	--	--	SPARE	34
35												0.44	0.00	1	20 A	20 A	--	--	--	SPARE	36
37								0.44	0.00					1	20 A	20 A	--	--	--	SPARE	38
39	FCU-1	0.159	#12	#12	15 A	15 A	3			0.44	0.00			1	20 A	20 A	--	--	--	SPARE	40
41												0.44	0.00	1	20 A	20 A	--	--	--	SPARE	42
							TOTAL CONNECTED LOAD:	8.0 kVA		8.2 kVA		7.5 kVA									

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	CALCULATED DEMAND
Continuous	2400 VA	125.00%	3000 VA
Kitchen Equipment	5184 VA	70.00%	3629 VA
Lighting	70 VA	125.00%	88 VA
Motor	15666 VA	108.62%	17017 VA
Receptacle	360 VA	100.00%	360 VA

NOTES:

BREAKER QUANTITIES (NEW ONLY)
(1) 15A / 1P, (2) 15A / 1P(G), (3) 15A / 2P, (3) 15A / 3P, (17) 20A / 1P, (2) 20A / 1P(G), (1) 20A / 2P(G), (1) 30A / 3P

PANEL TOTALS	
CONNECTED LOAD:	23.7 kVA
CALCULATED DEMAND:	24093 VA
DEMAND ADJUSTMENTS:	
TOTAL DEMAND:	24.1 kVA
TOTAL DEMAND AMPS:	**67 A**

PANEL NAME: A

BUSSING: COPPER OR ALUMINUM | **MOUNTING:** SURFACE | **PHASE:** New Construction
SUPPLY FROM: D1 | **MAINS RATING (A):** 250 | **FAULT CURRENT (A):** 5712 | **SURGE SUPRESSION:**
LOCATION: KITCHEN 101 | **MAINS TYPE:** THERMAL MAGNETIC | **SHORT CIRCUIT RATING (A):** 10000 | **ULSE:**
DISTRIBUTION SYSTEM: 208/120V 3PH 4W | **FEEDER ID:** 256-4C | **LUGS TYPE:** FEED-THROUGH | **200% NEUTRAL:**
FEEDER: (4) #250 KCMIL CU, (1) #4 AWG CU GND. IN 3" CONDUIT 75C RATED | **ENCLOSURE TYPE:** NEMA 1 | **ISOLATED GROUND:**

CKT	CIRCUIT DESCRIPTION	VD%	AWG	GND	TRIP	FRAME	POLE	A		B		C		POLE	FRAME	TRIP	GND	AWG	VD%	CIRCUIT DESCRIPTION	CKT
1	SPARE	--	--	--	20 A	20 A	1	0.00	0.54					1	20 A	20 A	#12	#12	0.442	(G) RCPT DINING 100	2
3	SPARE	--	--	--	20 A	20 A	1			0.00	0.36			1	20 A	20 A	#12	#12	0.151	(G) RCPT DINING 100	4
5	SPARE	--	--	--	20 A	20 A	1					0.00	0.36	1	20 A	20 A	#12	#12	0.061	(G) RCPT DINING 100	6
7	(G) 301 COMBI STEAMER | KITCHEN EQUIPMENT KITCHEN 101	0.36	#12	#12	20 A	20 A	2	0.75	0.90					1	20 A	20 A	#12	#12	0.491	RCPT DINING 100	8
9										0.75	1.08			1	20 A	20 A	#12	#12	1.159	RCPT DINING 100	10
11	(G) 303 CHARBROILER | KITCHEN EQUIPMENT...	0.367	#12	#12	15 A	15 A	1					0.50	0.36	1	20 A	20 A	#12	#12	0.543	RCPT DINING 100	12
13	(G) 306 SOUTHBEND RANGE | KITCHEN EQUIPMEN...	0.578	#12	#12	15 A	15 A	1	0.71	0.54					1	20 A	20 A	#12	#12	0.201	RCPT DINING 100	14
15	(G) 307 REFRIGERATED SANDWICH STATION |...	0.355	#12	#12	15 A	15 A	1			0.68	0.04			1	20 A	20 A	#12	#12	0.029	SV-1 | KITCHEN 101	16
17	(G) 309 REFRIGERATED SANDWICH STATION |...	0.207	#12	#12	15 A	15 A	1					0.58	1.10	1	20 A	20 A	#12	#12	0.545	(G) 311 HEAT LAMP	18
19	(G) 206 FREEZER REACH-IN | RCPT KITCHEN 101	0.429	#12	#12	15 A	15 A	1	1.13	1.10					1	20 A	20 A	#12	#12	0.494	(G) 311 HEAT LAMP	20
21	(G) 207 REFRIGERATOR REACH-IN | RCPT KITCHE...	0.508	#12	#12	15 A	15 A	1			0.97	1.20			1	20 A	20 A	#12	#12	0.813	(L) 300A FIRE SUPPRESSION SYSTEM | NON-CONT....	22
23	SPARE	--	--	--	20 A	20 A	1					0.00	1.20	1	15 A	15 A	#12	#12	0.847	(L) 300 EXHAUST HOOD | NON-CONT. KITCHEN 101	24
25	SPARE	--	--	--	20 A	20 A	1	0.00	1.00					1	20 A	20 A	#12	#12	0.698	(G) DROP CORDS | NON-CONT.	26
27	SPARE	--	--	--	20 A	20 A	1			0.00	1.00			1	20 A	20 A	#12	#12	0.85	(G) DROP CORDS | NON-CONT.	28
29	SPARE	--	--	--	20 A	20 A	1					0.00	0.50	1	20 A	20 A	#12	#12	0.569	(L) ANSUL | KITCHEN 101	30
31	(G) RCPT KITCHEN 101	0.226	#12	#12	20 A	20 A	1	0.36	3.33					2	40 A	40 A	#10	#8	0.613	(G) GLASSWASHER | KITCHEN EQUIPMENT DINING 100	32
33	(G) RCPT KITCHEN 101	0.245	#12	#12	20 A	20 A	1			0.36	3.33										34
35	SPARE	--	--	--	20 A	20 A	1					0.00	0.54	1	20 A	20 A	#12	#12	0.198	RCPT KITCHEN 101	36
37	(G) 203 SODA DISPENSER | KITCHEN EQUIPMENT...	0.785	#12	#12	15 A	15 A	1	1.44	0.54					1	20 A	20 A	#12	#12	0.124	RCPT KITCHEN 101	38
39	(G) 202 COFFEE BREWER | KITCHEN EQUIPMENT KITCHEN 101	0.451	#8	#10	40 A	40 A	2			3.12	0.36			1	20 A	20 A	#12	#12	0.181	RCPT KITCHEN 101	40
41												3.12	0.72	1	20 A	20 A	#12	#12	0.268	(G) RCPT DINING 100	42
							TOTAL CONNECTED LOAD:	27.1 kVA		27.7 kVA		18.6 kVA									

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Continuous	25693 VA	125.00%	32116 VA
Kitchen Equipment	33976 VA	65.00%	22084 VA
Lighting	2768 VA	125.00%	3460 VA
Non-Continuous	185 VA	100.00%	185 VA
Receptacle	10820 VA	96.21%	10410 VA

NOTES:

BREAKER QUANTITIES (NEW ONLY)
(7) 15A / 1P(G), (1) 15A / 1P(L), (16) 20A / 1P, (10) 20A / 1P(G), (2) 20A / 1P(L), (1) 20A / 2P(G), (2) 40A / 2P(G)

PANEL TOTALS	
TOTAL CONNECTED LOAD:	73.4 kVA
DEMAND CALCULATION NOTES:	
TOTAL DEMAND:	68.3 kVA
TOTAL DEMAND AMPS:	**189 A**

PANEL NAME: B

BUSSING: COPPER OR ALUMINUM | **MOUNTING:** SURFACE | **PHASE:** New Construction
SUPPLY FROM: A | **MAINS RATING (A):** 250 | **FAULT CURRENT (A):** 6674 | **SURGE SUPRESSION:**
LOCATION: KITCHEN 101 | **MAINS TYPE:** MAIN LUGS ONLY | **SHORT CIRCUIT RATING (A):** 10000 | **ULSE:**
DISTRIBUTION SYSTEM: 208/120V 3PH 4W | **FEEDER ID:** 256-4C | **LUGS TYPE:** | **200% NEUTRAL:**
FEEDER: (4) #250 KCMIL CU, (1) #4 AWG CU GND. IN 3" CONDUIT 75C RATED | **ENCLOSURE TYPE:** NEMA 1 | **ISOLATED GROUND:**

CKT	CIRCUIT DESCRIPTION	VD%	AWG	GND	TRIP	FRAME	POLE	A		B		C		POLE	FRAME	TRIP	GND	AWG	VD%	CIRCUIT DESCRIPTION	CKT
1	BLADE SIGNAGE | CONTINUOUS	1.97	#12	#12	20 A	20 A	1	1.20	8.00												2
3	RCPT KITCHEN 101	0.147	#12	#12	20 A	20 A	1			0.90	8.00			3	90 A	90 A	#8	#2	0.434	WH1	4
5	SPARE	--	--	--	20 A	20 A	1					0.00	8.00								6
7	SPARE	--	--	--	20 A	20 A	1	0.00	3.74					2	50 A	50 A	#10	#6	0.619	(G) 210 WAREWASHER | KITCHEN EQUIPMENT	8
9	LTG	0.328	#12	#12	20 A	20 A	1			0.47	3.74										10
11	LTG DINING 100	0.362	#12	#12	20 A	20 A	1					0.63	0.00	1	20 A	20 A	--	--	--	SPARE	12
13	LTG DINING 100	0.102	#12	#12	20 A	20 A	1	0.60	0.00					1	20 A	20 A	--	--	--	SPARE	14
15	LTG KITCHEN 101	0.051	#12	#12	20 A	20 A	1			0.22	0.00			1	20 A	20 A	--	--	--	SPARE	16
17	LTG DINING 100	0.176	#12	#12	20 A	20 A	1					0.42	0.00	1	20 A	20 A	--	--	--	SPARE	18
19	LTG DINING 100	0.115	#12	#12	20 A	20 A	1	0.13	0.00					1	20 A	20 A	--	--	--	SPARE	20
21	LTG KITCHEN 101	0.216	#12	#12	20 A	20 A	1			0.20	0.00			1	20 A	20 A	--	--	--	SPARE	22
23	(ST) CK | KITCHEN 101	0.005	#12	#12	20 A	20 A	1					0.05	0.00	1	20 A	20 A	--	--	--	SPARE	24
25	SPACE FOR SHUNT TRIP	--	--	--	--	--	1	--	0.00					1	20 A	20 A	--	--	--	SPARE	26
27	CL | KITCHEN 101	0.007	#12	#12	20 A	20 A	1			0.05	0.00			1	20 A	20 A	--	--	--	SPARE	28
29	CS | KITCHEN 101	0.006	#12	#12	20 A	20 A	1					0.05	0.00	1	20 A	20 A	--	--	--	SPARE	30
31	(G) 118 BACK BAR COOLER | KITCHEN EQUIPMENT...	0.07	#12	#12	15 A	15 A	1	0.34	0.00					1	20 A	20 A	--	--	--	SPARE	32
33	RCPT 100-I,101	0.627	#12	#12	20 A	20 A	1			0.72	0.00			1	20 A	20 A	--	--	--	SPARE	34
35	LTG DINING - I 100-I	0.018	#12	#12	20 A	20 A	1					0.09	0.00	1	20 A	20 A	--	--	--	SPARE	36
37	SPARE	--	--	--	20 A	20 A	1	0.00	0.00					1	20 A	20 A	--	--	--	SPARE	38
39	SPARE	--	--	--	20 A	20 A	1			0.00	0.00			1	20 A	20 A	--	--	--	SPARE	40
41	SPARE	--	--	--	20 A	20 A	1					0.00	0.00	1	20 A	20 A	--	--	--	SPARE	42
							TOTAL CONNECTED LOAD:	14.8 kVA		14.5 kVA		9.6 kVA									

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Continuous	25193 VA	125.00%	31491 VA
Kitchen Equipment	8960 VA	80.00%	7168 VA
Lighting	2768 VA	125.00%	3460 VA
Non-Continuous	150 VA	100.00%	150 VA
Receptacle	1800 VA	100.00%	1800 VA

NOTES:

BREAKER QUANTITIES (NEW ONLY)
(1) 15A / 1P(G), (34) 20A / 1P, (1) 20A / 1P(ST), (1) 50A / 2P(G), (1) 90A / 3P

PANEL TOTALS	
TOTAL CONNECTED LOAD:	38.9 kVA
DEMAND CALCULATION NOTES:	
TOTAL DEMAND:	44.1 kVA
TOTAL DEMAND AMPS:	**122 A**

PANEL SCHEDULE LEGEND

*	=	WIRE SIZED TO COMPENSATE FOR VOLTAGE DROP
**	=	REFER TO DRAWINGS FOR SPECIFICATIONS
(#)	=	NEW CIRCUIT TO EXISTING CIRCUIT BREAKER
(->)	=	CONNECT BRANCH CIRCUIT, WHICH WAS DISCONNECTED FROM ANOTHER SOURCE AS PART OF SELECTIVE DEMOLITION, TO POLE SPACE(S) INDICATED, DETERMINE EXACT POLE ASSIGNMENT(S) BASED ON EXISTING COLOR-CODING OF THE BRANCH CIRCUIT CONDUCTOR INSULATION. PROVIDE NEW BREAKER IF REQUIRED.
(A)	=	PROVIDE ARC FAULT CIRCUIT INTERRUPTER (AFCI) CIRCUIT BREAKER
(AG)	=	PROVIDE COMBINATION ARC FAULT (AFCI) / GROUND FAULT (GFCI) CIRCUIT INTERRUPTER CIRCUIT BREAKER
(AT)	=	EXISTING SWITCH/BREAKER WITH NEW FUSES/TRIP RATING
(DO)	=	PROVIDE DRAW-OUT CIRCUIT BREAKER
(ERM)	=	PROVIDE ENERGY REDUCTION MAINTENANCE (REDUCED ENERGY) CIRCUIT BREAKER
(EX)	=	EXISTING CIRCUIT TO REMAIN
(F)	=	CIRCUIT FOR FURTURE USE. PROVIDE BREAKER INDICATED. LOAD SHOWN FOR REFERENCE ONLY
(G)	=	PROVIDE GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) CIRCUIT BREAKER
(GE)	=	PROVIDE GROUND-FAULT EQUIPMENT PROTECTION (GFEP) CIRCUIT BREAKER
(GS)	=	PROVIDE SPECIAL PURPOSE GROUND-FAULT CIRCUIT INTERRUPTER (SPGFCI) CIRCUIT BREAKER
(H)	=	PROVIDE HANDLE TIE
(L)	=	PROVIDE LOCK-ON DEVICE
(LI)	=	PROVIDE ELECTRONIC LONG AND INSTANTANEOUS ADJUSTABILITY
(LSI)	=	PROVIDE ELECTRONIC LONG, SHORT, AND INSTANTANEOUS ADJUSTABILITY
(LSIA)	=	PROVIDE ELECTRONIC LONG, SHORT, INSTANTANEOUS, AND GROUND-FAULT ALARM ADJUSTABILITY
(LSIG)	=	PROVIDE ELECTRONIC LONG, SHORT, INSTANTANEOUS, AND GROUND-FAULT ADJUSTABILITY
(LT)	=	PROVIDE LOCK-OUT/TAG-OUT DEVICE
SL	=	SEE THE SINGLE LINE DIAGRAM / SCHEDULE FOR WIRE SIZE AND VOLTAGE DROP
(ST)	=	PROVIDE SHUNT TRIP CIRCUIT BREAKER

PANEL SCHEDULE GENERAL NOTES

A. PROVIDE HACR RATED BREAKERS ON ALL MOTOR LOADS.
B. ALL CONDUCTORS SHOWN ARE COPPER.
C. ALL VOLTAGE DROP CALCULATIONS AND COMPENSATED WIRE SIZES ARE BASED ON RIGHT ANGLE CIRCUIT LENGTHS. ACTUAL VOLTAGE DROP MAY VARY BASED ON INSTALLED WIRE LENGTH.
D. VOLTAGE DROP CALCULATIONS AND WIRE SIZES SHOWN IN THE PANEL SCHEDULES ARE FOR HOMERUN CONDUCTORS ONLY. FOR CIRCUITS WITH MORE THAN 1 DEVICE, THESE SIZES ASSUME THE CONDUCTORS DOWNSTREAM OF THE HOMERUN DEVICE ARE THE MINIMUM SIZE REQUIRED BY THE NEC BASED ON THE RATING OF THE CIRCUIT. WHERE THIS IS NOT THE CASE, IT HAS BEEN INDICATED ON THE DRAWINGS. VOLTAGE DROP TO THE FARTHEST DEVICE HAS BEEN CALCULATED TO NEVER EXCEED 5%.
E. RECEPTACLE LOADS CALCULATED AT 100% OF FIRST 10kVA, 50% OF REMAINDER. MOTOR LOADS CALCULATED AT 125% OF THE LARGEST MOTOR, 100% OF ALL OTHER MOTORS.

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ORIGINAL SHEET - ARCH D

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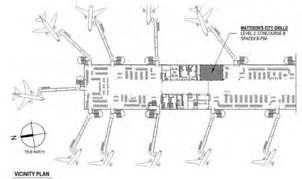
Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
1 Rev 2 - Client Changes			2024.10.25
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued — By — Appd — YYYY.MM.DD

File Name: N/A — Dwn. — Dsgn. — Chkd. — YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille
Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
ELECTRICAL - PANEL SCHEDULES

Project No. — Scale

Revision: 1 — Drawing No.: **E-602**

COMcheck Software Version COMcheckWeb
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: 26473.00 - Mattisons Grille - Sarasota International Airport
Project Type: Alteration

Construction Site: Owner/Agent: Designer/Contractor: KLH Engineers 1538 Alexandria Pike Fort Thomas, KY 41075

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-KITCHEN (Common Space Types:Food Preparation)	706	1.09	770
2-DINING (Common Space Types:Dining Area - Bar Lounge/Leisure)	435	0.86	374
Allowance: Other retail highlighting / Fix. ID: L5	200 (a)	0.45	27 (b)
3-DINING - I (Common Space Types:Dining Area - Bar Lounge/Leisure)	816	0.86	702
Allowance: Other retail highlighting / Fix. ID: L6	700 (a)	0.45	315 (b)
Allowance: Furniture, clothing, cosmetics highlighting / Fix. ID: L0	100 (a)	1.05	105 (b)
4-STORAGE SPACE (Common Space Types:Storage)	340	0.38	129
		Supplemental Allowed Watts (null) =	142
		Total Allowed Watts =	2564

(a) Area claimed may exceed total floor area when Retail Merchandise Highlighting allowance(s) are specified.
(b) Allowance is (ft x C) or the actual wattage of the fixtures given in Proposed Power section, whichever is less.
(c) Supplemental watts must be associated with retail merchandise highlighting fixtures.

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
KITCHEN (Common Space Types: Food Preparation, 706 sq.ft.)				
L8: L8: TROFFER RECESSED: Other:	1	3	15	45
L4: L4: DOWNLIGHT ROUND: Other:	1	4	22	88
L3: L3: DOWNLIGHT ROUND: Other:	1	1	23	23
L8-EM: L8-EM: TROFFER RECESSED: Other:	1	3	15	45
L4-EM: L4-EM: DOWNLIGHT ROUND: Other:	1	1	22	22
DINING (Common Space Types: Dining Area - Bar Lounge/Leisure, 435 sq.ft.)				
L5: L5: DOWNLIGHT ROUND: Other:	1	3	9	27
L3: L3: DOWNLIGHT ROUND: Other:	1	4	23	92
L2: L2: DOWNLIGHT SQUARE: Other:	1	2	32	64
L2-EM: L2-EM: DOWNLIGHT SQUARE: Other:	1	1	32	32
L1: L1: Other:	1	15	19	285
DINING - I (Common Space Types: Dining Area - Bar Lounge/Leisure, 816 sq.ft.)				
L6: L6: CHANDELIER: Other:	6	15	30	450

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
L4: L4: DOWNLIGHT ROUND: Other:	1	8	22	176
L5: L5: DOWNLIGHT ROUND: Other:	1	9	9	81
L9: L9: TAPE LIGHT: Other:	1	3	37	112
L3: L3: DOWNLIGHT ROUND: Other:	1	3	23	69
L2: L2: DOWNLIGHT SQUARE: Other:	1	8	32	256
L7: L7: WALL SCONCE: Other:	2	2	60	120
L4-EM: L4-EM: DOWNLIGHT ROUND: Other:	1	2	22	44
L2-EM: L2-EM: DOWNLIGHT SQUARE: Other:	1	5	32	160
STORAGE SPACE (Common Space Types: Storage, 340 sq.ft.)				
EX-L: L2-EM: LINEAR LED: Other:	1	4	16	64
		Total Proposed Watts =		2255

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COMcheck Software Version COMcheckWeb
Inspection Checklist

Energy Code: 2021 IECC

Requirements: 100.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plain Review	Complies?	Comments/Assumptions
C103.2 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.1 [EL22][1]	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.1, C405.2.1.1 [EL18][1]	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, corridors, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.1.2 [EL19][1]	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more within 20 minutes of when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. Lights not turned off by occupant sensors is done so by time-switch.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.1.3 [EL20][1]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.2, C405.2.2.1 [EL21][1]	Each area not served by occupancy sensors (per C405.2.1.1) have time-switch controls and functions detailed in sections C405.2.2.1.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.4, C405.2.4.1, C405.2.4.2 [EL23][1]	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Sidelit zones on first floor in Group A-2 and M occupancies.
C405.2.5 [EL27][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.7 [EL26][1]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.8 [EL27][1]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.9.1, C405.9.2 [EL28][1]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.10 [EL29][1]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.11 [EL30][1]	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.11, C405.11.1 [EL31][1]	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17][1]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.1.1 [FI57][1]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5 [FI16][1]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.3 [FI33][1]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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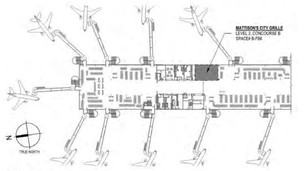
Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued — By Appd YYYY.MM.DD

File Name: N/A — Dwn. Dsgn. Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
LIGHTING COMPLIANCE

Project No. Scale

Revision Drawing No.
E-701

26 05 01.00 - COMMON WORK RESULTS FOR ELECTRIC

The General Provisions of the Contract including the General and Supplemental Conditions and General Requirements apply to the work in this section. Before submitting a bid, examine documents of all other trades, visit the site and get acquainted with all conditions that may in any way affect the execution of this contract. Take measurements and be responsible for exact size and locations of all openings required for the installation of work. Noted dimensions convey desired locations for devices. Coordinate with owner representative on site prior to deviating from noted dimensions for any reason. Where detailed method of installation is not indicated or where variations exist between described work and approved practice, direction of the Owners representative on job site shall be followed.

Whenever the words "contractor", "this contractor", etc. appear on drawings or in these specifications for the Electrical Work, it shall refer to the Electrical Sub-Contractor. Whenever the word "Provide" appears in these documents, it shall be interpreted to mean "Furnish and Install". Whenever the word "Relocate" appears in these documents, it shall be interpreted to disconnect electrical feed, make safe including lock out, store and protect device, reinstall, rework and extend conduit and wire to new location, re-energize and test.

The exact mounting height of devices shall be determined in the field with relation to architectural details and equipment being served. It shall be the responsibility of this contractor to coordinate outlet location with equipment. The Owners representative shall be permitted to relocate any outlet prior to installation within a 15 foot limit at no additional charge in contract price. All fasteners, hangers and methods of hanging exposed work in finished areas shall be submitted to the Owners representative for approval before installation.

The contract includes all items of material and labor required for the complete installation and full operation of the electrical work as shown on the drawings and hereinafter specified. All materials and methods shall be in accordance with applicable codes, regulations and/or ordinances and meet the approval of local inspection authority having jurisdiction. The latest edition of NFPA 70 (NEC/National Electrical Code) shall be the minimum requirement for all work. Examine the drawings and specifications for compliance with the above codes, regulations and ordinances and base bid and work accordingly. Obtain and pay for all permits and inspections related to this work. A Certificate of approval for work from inspection authority shall be given to the Owner before final acceptance will be given by Owners representative.

All work, materials, and equipment shall have a one-year warranty after acceptance/cut/ine work by the Owner. Any defective items shall be removed and replaced at the electrical sub-contractor's expense and to the satisfaction of the engineer and owner's representative.

Perform work under this contract in close harmony with other contractors so completed work shall present a neat and workmanlike installation. Exposed finished materials and equipment shall be carefully cleaned and wiped to remove grease, smudges, fingerprints, dust and other spots and left smooth and clean. During the progress of the work, the electrical sub-contractor shall carefully clean the job site and shall leave the premises and all portions of the building in which he is working free of debris and in a clean and safe condition.

This contractor shall be responsible for the training of owner's representatives of each system to the satisfaction of the Owners representative.

The Electrical Contractor shall consult the Plumbing, HVAC and Structural plans (where applicable) in all instances before installing his work so that his work will not interfere with those branches. In the event of a conflict, this contractor shall report to the Owners representative at once and do no further work to be installed until a satisfactory arrangement is decided upon. Any work done, or equipment placed in position by this contractor, creating a conflict in violation hereof, shall be readjusted to the satisfaction of the Owner's representative at the expense of the contractor. The decision of the Owners representative shall be final in regard to changes due to conflicting conditions. Contractor shall complete his work or any part thereof at such time as may be designated by the Owner, so that it can be used for temporary or permanent use and such use of the system shall not be construed as an acceptance of same by Owner.

Obtain the latest Owner's Design and Construction Standards document(s). Comply with all Owner-specific requirements in addition to requirements set forth in these specifications and accompanying drawings. Should there be a conflict, the Owner's standards shall take precedence, unless prevailing codes and regulations mandate otherwise.

Two sets of electrical drawings shall be provided as record drawings which shall be separate from the working record for the purpose of showing a complete picture of the work as actually installed. These drawings shall also serve as work progress report sheets and the electrical contractor shall make any notations, neat and legible thereon daily as work proceeds. The drawings shall be available for inspection at all times and shall be kept at the job at a location designated by the Owners representative. At the completion of the work, these record drawings shall be signed by the electrical contractor, dated and returned to the Owners representative. Final payment of contract will not be made until receipt and review of said drawings.

Provide two neatly bound (with tabbed sections) copies of maintenance books, instruction books and parts list pertaining to all equipment furnished. Submit to the Owners representative for approval. Final payment will not be made until drawings for record, maintenance and instruction manuals are delivered to the Owners representative.

26 05 02.00 - COMMON ELECTRICAL MATERIALS AND METHODS

All materials and equipment shall be new. All materials, apparatus and equipment shall bear the seal of Underwriters Laboratories Inc. (UL), or similar credible testing agency, label where regularly supplied. Certain manufacturers of material and equipment are specified and plans are divided set outlet by this material. This contractor shall base his bid on furnishing and installing this make of material and equipment.

Where more than one make of material or equipment is specified, the contractor shall state in his bid which make he proposes to furnish. Shop drawings shall be submitted on material and equipment to be furnished by the contractor for Engineers approval. This approval to be obtained prior to shipment of equipment.

Hold routing of new raceways in new and existing buildings as tightly as possible to the structure above. Obtain approval of owner's representative prior to installation. Do not install any electrical work within 6 inches of roof decking.

Neatly dress all work. Install all work parallel and perpendicular to surfaces or exposed structural members, and follow surface contours, where possible. Install splice and tap connectors which possess equivalent or better mechanical strength and insulation rating than conductors being spliced. Use splice and tap connectors which are compatible with conductor material. All wires shall be run continuous from outlet to outlet/luminaire to luminaire. Insulation value of joints shall be 100% in excess of wire. Provide adequate length of conductors within electrical enclosures and train the conductors to terminal points with no excess. Bundle multiple conductors, with conductors no larger than 10 AWG cabled in individual circuits. Make terminations so there is no bare conductor at the terminal. Maintain a uniform elevation for all cable runs wherever possible. All cables shall be supported/anchored at maximum 4 foot intervals and within 12" of box or outlet and shall not sag. Install cables in a manner that prevents overheating. Cables shall be fastened directly to the structure using factory clamps/clips specifically designed for the respective cable (Caddy or equal).

Keep conductor splices to minimum. Pull conductors simultaneously where more than one is being installed in same raceway. Use UL listed pulling compound or lubricant, where necessary. Increase wire sizes to offset voltage drop as/if required.

Branch subfeeder circuits shall be installed as shown on the floor plans. Where outlets are indicated by letters on plans, they shall be controlled by corresponding switches.

Outlets shall be located approximately as shown on the plans and shall be wired to provide control of outlets indicated. All wires of any one circuit shall be run in the same conduit.

Mechanical wire splicers shall be Scotchlock insulated type, TandB Stakon or approved equal. The conductors terminating at each wired outlet shall be left not less than 8" long at their outlet fittings to facilitate installment of devices or luminaires. Friction and rubber tape conform to Federal Specifications HH-T-11 and HH-T-111. Plastic electrical tape shall be Scotch #33+ or approved equal.

Do not share neutrals when amongst multiple branch circuits or with multi-wire branch circuits.

Provide grounding electrode conductors for service entrances and derived systems.

Provide all feeders and branch circuits with insulated (green covering) equipment grounding.

Only install conduit exposed on rooftops when it is impossible to do otherwise, or only if specifically indicated for such installation case-by-case elsewhere in documents. Installation convenience, financial considerations, lack of coordination with other trades and similar rationale are not sufficient reasons for doing so. In cases where conduits must be installed on rooftops, de-rate conductors and modify conduit sizes as needed to accommodate this condition. Provide expansion fittings, which are UL listed and labeled for the respective applications, at all building expansion joints and at maximum distances of 100 feet. Paint all such conduits with at least two coats of UV-resistant weatherproof paint. Provide white paint on flat rooftops that have finishes white in color, and for otherwise-colored roof finishes that are not visible from the building interior or from the ground outdoors. Elsewhere select colors to match surrounding surfaces; submit colors to Architect for review in advance of procuring paint.

Provide all cutting and patching required for the admission of work. Any damage done by this contractor to the building during the progress of work shall be made good at contractor's own expense. All patching shall be done by a skilled craftsman in that respective trade. It shall be the responsibility of this contractor to supervise the installation of, and pay for all additional members, wood or metal and labor which may be required to support any type of permanent or temporary electrical apparatus employed in the execution of this contractor's work.

Access Doors: Do not use access doors unless special prior written permission is granted from the Owner's Representative. Install pull boxes, junction boxes, etc. in areas which are accessible after completion of construction. Do not install pull boxes or junction boxes above gypsum board or similar inaccessible ceiling systems. Where there is no other recourse but to provide an access door/panel, and where approval of Owner's Representative has been obtained, provide required access doors/panels as required for a complete code-compliant electrical installation as defined below. Provide access doors in fire/smoke rated partitions that meet or exceed the surrounding surface that is being penetrated.

Seal all new floor, ceiling, wall, slab. etc. penetrations to match or exceed existing assembly fire ratings. Provide sleeve seals for all sleeves, provide sleeves for all penetrations. All penetrations of fire-rated or smoke-rated wall, floors ceilings, etc. shall be sealed immediately after raceways are installed. All new electrically related work shall be supported directly from building structural members. New electrically related work shall not be supported from ductwork, ductwork hanger, ceiling supports, existing conduit support, etc.

26 05 53.00 - IDENTIFICATION FOR ELECTRICAL SYSTEMS

Provide manufacturers standard self-adhesive vinyl tape not less than 3 mils thick by 1-1/2" wide. Where applicable, install on all concealed raceways at connection to all junction boxes, pull boxes, equipment, wall/floor/roof penetrations, etc. Unless otherwise indicated or required by governing regulations, provide orange tape with black letters. Provide circuit identification bands for all cables and conductors. Provide manufacturers standard color coding for cable/conductor jacket and/or insulation for all cables and conductors of all systems. Match identification with marking system used in existing systems (where applicable), shop drawings, contract documents, and similar previously established identification for projects electrical work. Provide on all conductors of all systems.

The following insulation color code shall be used for system and voltage identification. This shall apply to both feeder and branch circuit wiring. Interchange of colors shall not be permitted.

208Y/120V System:	Black, Red, Blue
and White (neutral)	
480Y/277V System:	Brown, Orange,
Yellow and Gray (neutral)	
Equipment Grounding:	Green
Systems:	To match existing
where applicable - verify in field.	

Provide engraved plastic-laminate sign on major units of electrical equipment, including panelboards, disconnects, starters, control panels, etc. Except as otherwise indicated, provide single line of text, 1/2" high lettering, on 1-1/2" high sign (2" high where 2 lines are required), white lettering in black field. Unless determined otherwise in field, provide text matching terminology and numbering of the contract documents and shop drawings. Secure to substrate with fasteners, except use adhesive where fasteners should not or cannot penetrate substrate.

All equipment and system identification nomenclature shown on drawings or listed herein is shown for general design and installation reference only. The actual nameplate, etc. nomenclature for this project shall be verified by electrical contractor in field prior to fabrication and where applicable, shall be an extension of existing nomenclature used on the site as determined in field by electrical contractor.

Equipment to Be Labeled: All enclosures for all electrical equipment furnished or installed under Divisions 26 and 28; Remote-controlled switches, dimmer modules, and control devices, via engraved wall plates; Miscellaneous Control Stations; Access doors and panels for concealed electrical items; Other similar equipment designated by owner's representative, architect or engineer in field.

Emergency Systems: Provide permanent identification for boxes, enclosures, etc. that are associated with emergency system work. Paint and identify emergency system pull boxes, junction boxes, and other access/pull points (boxes and covers). Provide emergency system equipment panelboards, cabinets, enclosures, etc. with engraved nameplates (white letters on red background) with the first line of text to read "EMERGENCY CIRCUITS" and the remaining lines to include the necessary descriptive text. Properly identify system components, wiring, cabling, and terminals. Provide red color on jacket of all emergency system cables. Provide red-colored breaker handle and red-colored lock-on device at source circuit breakers that feed emergency systems. Provide red coloring for all Emergency system junction boxes, along with identification.

26 05 84.00 - MECHANICAL EQUIPMENT

Provide all necessary electrically related work as required to render all mechanical equipment (including plumbing, heating, ventilating and air conditioning equipment) fully operational and fully compliant with all local and national codes. This includes, prior to ordering materials or commencing with rough-in, reviewing equipment submittal data and coordinating with installing contractors to ensure the correct size, rating and quantity of conductors are provided.

Provide raceway, wiring, connections, and terminations for power and interlocks for electrically operated equipment.

Provide disconnect switch ahead of all equipment, including controls, unless shown otherwise on the drawings. Provide NEMA 3R enclosures where installed outdoors and where installed indoors in areas subject to moisture. Ground metal frames of equipment by connecting frames to the grounded metal raceway and to a full-size green ground conductor. Provide the necessary electrical connections to the specified equipment. Where mechanical equipment lugs cannot accommodate conductor sizes, provide ILSCO ClearTap Insulated Multi-Tap Connectors.

Sizes, electrical ratings, etc. of equipment and wiring shown on drawings are based on the respective equipment basis of design. If different manufacturer(s) or model(s) are supplied, provide necessary coordination in field (prior to ordering materials and prior to rough-in) and provide the necessary size of related electrical equipment, wiring, conduit, etc.

Prior to furnishing submittals and prior to rough-in, determine exact electrically related characteristics, loads, voltages, disconnect and starter requirements, locations, mounting heights, connection points, etc. of mechanical equipment.

Disconnect and Controller Locations: Locations shown on drawings are indicated for schematic purposes only. Determine exact locations in field. Refer to Electrical Coordination Schedules on drawings. Disconnects, starters, controllers, accessories, wiring, connections, services, etc. where defined as "EC" in the schedule. Information in this section supplements the information in the schedules. Provide power wiring and connections for all equipment (including starters/ampere rating/accessories where applicable) as required to render equipment fully operational. Install local disconnects and starters at 48 inches to top of outside box or enclosure where applicable above finished floor/slab/grade. Provide flush mounted units in finished areas. Provide key operated manual starters where accessible to unauthorized personnel, including general public.

Maintenance Receptacles: Provide duplex GFCI receptacle within 25 feet of all electrically operated equipment of any nature that requires periodic testing or maintenance. This applies for all indoor and outdoor equipment. Provide Type WR duplex GFCI weatherproof receptacle for outdoor applications (including rooftops) and for applications subject to high humidity or moisture.

Air Handling Units: Provide separate power feeds or single power feed as directed in field by the HVAC installer (field verify prior to rough-in). Modify starter and disconnect requirements as/if/when accordingly, if required. Provide additional dedicated 120V, 20A branch circuit for each unit from nearest panelboard (whether or not indicated clearly on the electrical drawings) for internal factory-installed lighting and receptacles. Provide conduit, wiring, and overcurrent protection for this work, and terminations to connections within the unit as required for complete operation.

Commercial Kitchen Exhaust Hoods and Related Fan Equipment: Refer to detail(s) on drawings.
Refer to food service drawings, food service specifications and manufacturer's submittals for specific information. Field-coordinate work with affected entities.
Note that multiple kitchen hoods may exist, and any single hood shown may actually consist of multiple sections. Provide electrical work for hoods as required to render them and ancillary systems/controls fully operational.
Provide power wiring and connections to line side of factory disconnect switches for fan units.
Provide interlock wiring and connections to and from the various equipment and controls.
Provide control wiring from the fan units to respective remote duct stats.
Provide control wiring to and from duct heat sensors.
Provide 120V, single-phase, 2-wire, 20 ampere wiring and connections to the indoor hood bodies for factory hood lights and for control circuits.
Provide control wiring from the indoor hood bodies to respective fan units.
Provide 120V, 2-wire (#12 AWG) control wiring connections from indoor hood bodies to contacts on factory micro-switch in respective hood fire suppression system.
Provide auxiliary control circuit wiring from the factory micro-switch in the hood fire suppression systems to respective dedicated fire alarm system monitor modules to initiate alarm signal when respective hood fire protection system is activated.
Provide auxiliary control circuit wiring from the factory micro-switch in the hood fire suppression system to contactor control coil(s).
Provide surface mounted empty octagon box for hood fire suppression system manual activation station. Provide for each hood fire suppression system installed. Install at 48" to top of outlet box above finished floor and provide (1) surface mounted, straight 1/2" empty conduit (no bends) from box to above accessible ceiling unless otherwise directed by the fire suppression installer. Install box near means of egress, between 10 and 20 feet from the cooking area. Final locations shall be determined by fire suppression system installer. coordinate in field.
Provide interlock control wiring between gas solenoid shut off valves and respective kitchen hood fire suppression system. Coordinate with affected installers.

Domestic Water Heaters (Gas): Provide 120V power connection. Provide interlock wiring with circulating pumps, flow switches and aquastat controls where applicable.

Domestic Water Heaters (Electric): Provide local disconnect switch, and power wiring and connections. Provide interlock wiring with circulating pumps, flow switches and aquastat controls where applicable.

Domestic Hot Water Circulating Pumps (Return Line): Provide manual starter with pilot light, and wire pump to operate through the aquastat. Refer to wiring diagrams on drawings for further definition.

Electric Water Coolers: Provide 120V duplex receptacle or direct 120V connection with lock-out/tag-out provisions at source circuit breaker (verify required method in field with electric water cooler installer). Provide GFCI circuit breaker to feed the circuit that serves electric water coolers, even if not indicated on panelboard schedule. Install outlets at height and location as directed by water cooler installer. Conceal outlets within water cooler enclosure if enclosure is designed for such an installation. Assemble and connect cord if applicable and needed. Coordinate all specifics with water cooler installing contractor prior to rough-in of related work.

Electronic Plumbing Fixture Valves: Provide electrical wiring and connections as required for full automatic operation of direct-wired electronic sensor operated valves. Install and wire 120V/24V remote box mounted transformers. Install above nearby accessible acoustical tile ceiling and provide local single-pole switch above ceiling at the transformer to switch primary power. Provide secondary fusing if not integral to the transformer (verify in field). Provide required 24VAC wiring (#14 AWG "MC" Cable with ground), concealed. Field coordinate work carefully prior to rough-in.

Heat Trace (Cord and Plug): Review documents of all mechanical trades to determine extent and specifics related to heat trace requirements for the project. Any loads, quantities, circuits, connection locations, etc. that may be indicated on electrical drawings are shown for design-phase schematic representation only. Coordinate with all installers that may have heat trace for their piping or equipment to determine loads, quantities, required circuits, connection locations, etc. for each application. Provide such coordination prior to furnishing submittals and prior to commencing with any rough-in work. Provide dedicated circuit(s) and dedicated receptacle(s) as required. Provide receptacles that are ground fault equipment protection circuit interrupter type (GFEPCI, per NFPA 70 Article 427-22). Provide cover plate for each receptacle that is weatherproof type, rated NEMA 3R while in use. Provide this special type cover plate whether installed outdoor or indoor (to help deter personnel from inadvertently unplugging the heat trace). Provide power wiring and connections as required to render all heat trace fully operational.

Heat Trace (Direct-Connected): Review documents of all mechanical trades to determine extent and specifics related to heat trace requirements for the project. Any loads, quantities, circuits, connection locations, etc. that may be indicated on electrical drawings are shown for design-phase schematic representation only. Coordinate with all installers that may have heat trace for their piping or equipment to determine loads, quantities, required circuits, connection locations, etc. for each application. Provide such coordination prior to furnishing submittals and prior to commencing with any rough-in work. Provide power wiring (ground fault equipment-protected). Provide identified local weatherproof non-fused disconnect and related field wiring/connections. Provide Type XHHW-2, low-leakage, branch circuit conductors. Keep branch circuit wire splices to an absolute minimum and properly insulated to prevent leakage. Provide Ground Fault Equipment Protection (GFEP) type circuit breakers at source panelboards for these branch circuits, per NFPA 70, Article 427, even if not shown as such on schedules. Provide power wiring and connections as required to render all heat trace fully operational.

General Control Wiring Requirements: Unless specifically indicated as empty conduit on drawings or herein, provide electrical control and interlock work as shown on drawings. Provide additional control work as specifically indicated herein. Coordinate HVAC thermostat and sensor locations in field (case by case) with Architect, Owner's Representative and equipment installer to ensure that they are placed in locations that will not interfere with furniture, equipment, artwork, wall-hung specialties, room finishes, etc. Field-verify these wall locations case by case, prior to rough-in, since locations shown on drawings are schematic only.

260590.00 - ELECTRICAL SPECIALTIES

A. Product Data
For equipment, materials and systems specified in this section. Include product data, descriptive information, technical data, wiring diagrams, etc.

B. Reel-Mounted Drop Cords
Provide Insul-8 1200 Series PowerReel reels with cord (or equivalent by Woodhead) with 25 feet of #12/3-600V cord. Provide matching heavy-duty NEMA 5-20R cord-cap receptacle with heavy-duty strain relief.
Cord reel shall be black.
Provide reel-mounted drop cord units where indicated on the drawings. Field-verify locations with Owner.
Connect each reel unit to a separate 20A/1P, 120V GFCI circuit breaker. Wire circuits with separate neutrals for each circuit.
Provide cord-ball-stop on drop cord to limit cord return to be a maximum of 7 feet (verify with Owner) above the floor.
Adjust cord reel to permit maximum extension of receptacle to be 24 inches above floor.

C. Electrical Drop Cords
Provide drop cords consisting of (3)#12 Type SO hard-usage flexible 600 volt gray (field-verify color with Design Professional) power cord suspended from a round blank cover of a ceiling mounted 4" octagon box (flush-mounted in finished areas) and terminated in a Hubbell, Leviton or Pass & Seymour NEMA L5-20R unless otherwise noted on drawings for connection to a specific piece of equipment. Receptacle shall be a cord grip twist lock receptacle with heavy-duty strain relief. Provide a matching male twist lock plug and cord for each drop receptacle and attach to respective equipment. Provide drop cord support at both outlet box and receptacle with Hubbell Kellems Grips. Field coordinate drop cord locations with equipment served. Obtain approval of means and methods from electrical inspector prior to commencing with work.

D. Systems Furniture
Provide final power (wiring and raceway) and communications (raceway) connections to systems furniture.
Participate in required meetings to discuss and note any required modifications to drawings.
Include actual layout, connection types/locations, wiring, fixture locations, etc. for systems furniture work in record drawings.
Install pre-wired power wiring harnesses. Provide final connections at wall outlet boxes and service poles ("tele-power poles"). For bidding purposes, wiring harnesses will be configured for three 120V/20A circuits (three phase conductors, three neutral conductors, and one equipment ground conductor. Include each of these conductors in the home-runs to the respective source panelboard. Provide 20A/3P branch circuit breaker for each such set of three 20A/1P home-runs. Field-verify wiring harness specifics prior to commencing with any related rough-in work. Provide wall plates for Power Wiring Harnesses, if not already supplied with the factory harnesses (single-gang and engraved, with straight or 90 degree fittings as required for making clean final connections to wall outlet boxes).
Provide empty "Seal-Tite" (with smooth outer wall) telecommunications empty flexible conduit whips (with drag lines) and associated connectors. Connect whips at systems furniture raceways and provide pre-connected engraved wall plates and screws at other end. Size diameters of whips for maximum 40% fill. Unless indicated larger elsewhere in project manual, provide 4" square by 2-1/8" deep backbox for each telecommunications wall outlet location (with single-gang plaster ring).
Determine exact mounting heights and locations of electrical system outlets and "seal-tite" conduit fitting types (straight, 90 degree, etc.) in the field with relation to architectural detail, wires and cables being installed, equipment being served and final locations of systems furniture.
Provide permanent identification on wall plates indicating whether the outlet provides power, telephone or data service to the respective systems furniture connection.
Use manufacturers' recommended tools and installation procedures for connecting and installing systems furniture electrical components, and install same in a level, plumb and secure manner.

E. Commercial/Institutional Kitchen Equipment
Provide a complete wiring system to kitchen equipment. Refer to FS-series drawings and specifications for further definition of work required. Determine exact location, mounting height and termination requirements from the kitchen equipment contract drawings and from manufacturer's equipment submittals. Provide either direct connections or cord & plug connections (including cords, plugs and receptacles) as determined in field; verify case by case prior to rough-in. Verify electrical ratings in field prior to rough-in. Make final connections to equipment.
Provide disconnect switches for direct-wired equipment and receptacles for cord & plug equipment. Provide local power disconnect device for equipment that is more than fifty feet or out of sight from the serving panelboard. Install, wire and connect special purpose receptacles and associated cords. Provide 120V standard receptacles and common use receptacles such as a 30A or 50A range receptacle.
Provide wiring and connections to equipment, controls, defrosters, condensers, compressors, lights, fans, heaters, heating elements, etc., which may not be detailed on plans, as applicable.
Refer to kitchen equipment drawings for additional details and provide related electrical work as required to render equipment fully operational.
Provide GFCI protection for all 15 and 20 ampere receptacles throughout the kitchen. Utilize GFCI receptacles for all accessible receptacles and GFCI branch circuit breakers for all inaccessible receptacles.

26 09 19.00 - ENCLOSED CONTACTORS

Provide contactors equipped with external pilot lights in cover, and external HOA selector switches in cover. Wire contactors for lighting applications so that the "AUTO" position is the normal condition (i.e. photocell controlled, photocell/time-clock controlled, remote switch controlled, BAS controlled, etc.); so that the "OFF" position is manual override to turn lighting off; and so that the "HAND" position is manual override to turn lighting on. Provide contactors with field convertible N.O./N.C. contacts and descriptive nameplates.

Electrically Held Contactors: Provide contactors equal to Square D Class 8903 Type Allen-Bradley Bul. 500L-BA*94 series) for tungsten lighting loads, ballast lighting loads, and small resistance heating loads. Provide contactors that are electrically operated and mechanically held (EOEH). Provide contactors in factory NEMA 1 enclosures, with 120V coils (unless indicated otherwise elsewhere or otherwise required to render controls fully operable). Provide "dry" contacts rated at 30A, minimum 250V (600V if required by application). Provide number of poles (minimum of three poles) and number of contactors as required for each application. Field verify coil voltage ratings.

26 09 23.00 – LOCAL LIGHTING CONTROLS

Submittal Requirements

F. Product Data
For equipment, materials and systems specified in this section. Include product data, descriptive information, technical data, wiring diagrams, load restrictions, etc.

General Requirements

G. Finishes & Wall Plates: Refer to specification 262726.00 – Wiring Devices and match all requirements.

Toggle Switches:
Refer to specification 262726.00 – Wiring Devices.

Momentary-Contact Toggle Switches: Provide Standard of Quality equal to Legrand LVS-1, 3 Amp, 24 VAC/VDC, single-pole, double-throw with center rest, designed to fit conventional toggle switch openings.

Time Clocks
365-Day Multi-Purpose Time Clocks: Provide time clock that is programmable 365-day/24-hour with override controls and holiday option. Provide number of channels indicated on the drawings. Provide required external contactors, relays, etc. to render the control systems fully operational. Verify zone control requirements in field prior to rough-in. Provide 100-hour carryover. Provide Ethernet module.

Occupancy Sensors, Dual Technology Wall Switches: Provide Wattstopper DW-100 wall switch (or equivalent) and configure as manual on, auto off (vacancy sensor) unless otherwise specified on drawings. Provide with time delay as specified on drawings. If no time delay is specified, program to 10 minutes.

Occupancy Sensors, Dual Technology Ceiling Sensors: Provide Wattstopper DT-300 ceiling mounted occupancy sensor (or equivalent). Provide with time delay as specified on drawings. If no time delay is specified, program to 20 minutes. Adjust sensitivity based on field conditions and occupancy of room to provide 100% coverage without nuisance tripping. Provide Wattstopper BZ-150 universal voltage pack(s) as required to properly power all occupancy sensors and provide switching per the design intent. In areas where multiple occupancy sensors control a single zone together, interlock occupancy sensors/power packs per manufacturer instructions to meet control intent.

26 24 16.00 – PANELBOARDS

Submittal Requirements

H. Product Data
For each provide bus configuration, current ratings, voltage ratings, SCCR Ratings, overcurrent protective device(s), surge suppression device(s), accessory, and components indicated. Include dimensions and manufacturers' technical data on features, performance, electrical characteristics, ratings, accessories, and finishes.

Subject to compliance with requirements, provide panelboard products of one of the following (for each type and rating of panelboard and enclosure): Square D Company, GE/ABB, Siemens, Eaton/Cutler-Hammer.

Panelboards shall bear UL labels for their specific applications. Panelboards shall be suitable for service voltage with number of branch circuits of capacity scheduled. Refer to the drawings for bussing material. Where copper is specified provide silver or tin plating. Unless otherwise indicated, panelboards and sections thereof, if any, shall have main-lugs-only of capacity equal to, or greater than, the rating or setting of the over the current protective device next back on the line. All circuit breaker panelboard bus assemblies shall be of the distributed (sequence) bussing type throughout, so that any 2 adjacent single pole breakers and/or spaces shall be replaceable by a 2-pole internal common trip breaker, and any 3 adjacent single pole breakers and/or spaces shall be replaceable by a 3 pole internal common trip breaker, 15 amp through 70 amp inclusive, without disturbing any other breaker. All panelboards shall be UL listed and labeled for use as service entrance equipment where being used as such.

Distribution Panels shall be equal to Square D I-Line series with bolt-on branch breakers
480Y/277V panelboards shall be equal to Square D NF with bolt-on branch breakers
208Y/120V panelboards shall be equal to Square D NQ with bolt-on branch breakers

All branch circuit breakers shall be full ambient compensated thermal magnetic molded case with quick-make and quick-break action and positive handle trip indication, both on manual and on automatic operation. Breakers shall be of the over-the-center toggle operating type with the handle going to a position between "on" and "off" to indicate automatic tripping. All breakers shall be bolt-on type.

All circuit breakers shall be full size. "Tandem" or "split" breakers shall not be permitted. All multi-pole breakers shall have internal common trip with all load side box lugs of one breaker in the same gutter. All circuit breakers shall have sealed cases to prevent tampering. All 15 and 20 ampere branch circuit breakers shall be UL Listed as SWD (switching duty). All 15-70 ampere branch circuit breakers shall be HACR Type. All GFCI circuit breakers shall be UL Class A with maximum threshold of 5 mA. All branch circuit breakers serving all ballasted (fluorescent/HID) lighting loads shall be HID rated.

Provide all electrical distribution related equipment with appropriately braced bussing and properly rated breakers, fuses, etc. for the available fault currents. In existing buildings where fault current values are not indicated on drawings, coordinate with existing "upstream" distribution equipment provide equipment SCCR to meet or exceed same.

Provide barriers around any energized phase busbar or terminal supplied from a feeder tap, transformer, or service entrance conductors.

Fill out panelboard's circuit directory card upon completion of installation work. Directories shall be neatly typewritten. All panelboard directories shall include the actual room names/numbers that are selected for interior signage/designation.

All recessed panelboards shall be provided with a minimum of three 1-1/4" empty conduits terminated to a single 12" X 12" X 6" deep junction box above accessible ceiling.

26 27 13.00 - ELECTRICITY METERING

Furnish and install all work in strict compliance with all requirements set forth by the utility company providing electrical service for the project. Procure all needed details and information directly from the utility company as required for complete operational installations. Furnish and install all electrical work accordingly. Such work includes, but is not limited to: CT cabinets (bussed if necessary), meter bases, supports, conduit, wiring, connections, maintaining clearances, testing and inspections. Provide lugs, lug kits and related accessory work as required to accommodate the conductor sizes and quantities needed for each application. Coordinate with single-line diagram, field conditions, etc. Meter will be furnished and installed by utility company. Provide metering-related work in strict accordance with utility company requirements. Position meters in locations approved by the utility company, the Design Professionals, and the Owner.

Meter Sockets: Provide meter sockets. Comply with requirements of electrical-power utility company. Steady-state and short-circuit current ratings shall meet indicated circuit ratings.

Provide two 1-inch empty PVC electrical conduits (one active, one spare) from each meter enclosure to building telephone service entrance equipment board for solid-state/pulse utility company metering. Provide (1) 4-pair plenum-rated Cat. 5e #22 AWG solid copper communication cable from each utility meter RJ-31X phone jack to the building telephone service entrance equipment board in one of these respective 1-inch conduits. Install RJ-31X phone jacks at the utility meter, which will be furnished by the utility company, and terminated/connected by the utility company. Verify requirements and termination locations in advance with the utility company.

Metering by Owner (Tab Metering): Provide E-Mon D-Mon Class 3400 series metering system and equipment or equal by one of the following manufacturers:
- Electro Industries/GaugeTech (Shark Series)
- Eaton
- ABB
- Siemens
- Schneider Electric

Provide digital meter and current transformers (CT's) rated at amperes and voltage as necessary for each application. Allow for paralleling of sensors and/or mounting up to 500' from the meter. Provide CT's with split-core configuration for low installation without powering down. Provide conduit, wiring, and connections between CT's and meters per manufacturer's instructions. Provide a load indicator to indicate real-time consumption levels for field testing and certification. Provide demand (kW) reading, which shows and records the highest peak demand and date and time it occurred. Provide meter with modular connector(s) to provide interfacing for the following:
- AMR (Automatic Meter Reading)
- Pulse Modules
- Analog Signal Modules
- Energy Control Modules

Meters used for billing shall have an accuracy of 0.5% of reading, complying with requirements in ANSI C12.20. Provide heavy-duty JIC steel enclosure for indoor installations and NEMA type 4X enclosure with hasp for padlocking or sealing for exterior installations.
Memory backup: self-contained, non-volatile, to maintain memory throughout power outages of 72 hours minimum. Provide the following features:
- Easy to read, cycling, 4-line by 20-character backlit LCD display that shows kWh, kW (with peak date and time), power factor per phase, real-time load in kW, amps per phase, and volts per phase.
- Installation diagnostics and verification system.
- Records kWh and kVARh data for two channels. Data stored in 15-minute intervals for up to 36 days or 5-minute intervals for up to 12 days. Maintains the last 36 days of data in a first-in, first-out format.
- External meter pulse input (water, gas, BTU, etc.) on 3rd channel.

26 27 26.00 - WIRING DEVICES

Submittal Requirements

I. Product Data
For each type include electrical characteristics, configurations, ratings, markings, colors, etc.

Unless specifically indicated otherwise, or directed otherwise in field, coordinate finishes for wiring devices with architect and owner prior to ordering. Where applicable, devices on different branches of power shall be a different color.

Provide grounded ("neutral") conductors in all wall switch, dimmer and other lighting control outlet boxes, even if not immediately utilized.

Provide wall plates with engraved legends where indicated on drawings and/or where required per 26 05 53.00 - IDENTIFICATION FOR ELECTRICAL SYSTEMS Section. All device wall plates shall be standard size, "midway", "oversized" ("jumbo") or "extra deep" wall plates shall not be acceptable. Construct with metal screws for securing plates to devices; screw heads colored to match finish of plates. Except where/if indicated otherwise on drawings, wall plates in finished areas shall be commercial specification grade, satin finish stainless steel, with beveled edges, equal to Leviton Type 430 series. Wall plates in unfinished areas shall be galvanized steel unless otherwise noted. Refer to architectural finish schedules and owner representative for additional information.

Wall-Box Type Lighting Controls:
Refer to specification 260923.00 – Local Lighting Controls for types not listed here.

Consultant

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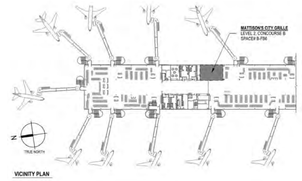
Notes



VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille
Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
ELECTRICAL SPECS

Project No. | Scale

Revision | Drawing No.
E-702

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ORIGINAL SHEET - ARCH D

Toggle Switches:
Provide toggle switches equal to Leviton #1222-2 series in configurations shown on the drawings. Provide switches that are flush, self-grounding with green ground screw, back and side wired, and specification grade. 120/277V, 20A, AC quiet type.

Receptacles:

Special purpose receptacles shall be of the size, type and manufacturer as indicated on the plans or as determined in field.

Duplex and Single Specification Grade Receptacles: 2-pole, 3-wire grounding, self-grounding, green grounding screw, ground terminals and poles internally connected to mounting yoke, color coded base, 20-amperes, 125-volts, with metal plaster ears, back and side wiring, NEMA configuration 5-20R. Provide duplex receptacles equal to Leviton #5362 series. For receptacle circuits protected with 15A breakers, provide NEMA 5-15R equivalents. Provide receptacles equal to Leviton #5361 series for simplex (single) applications. Provide clock hanger receptacles equal to Leviton #5361-CH.

Self-Grounding Commercial Specification grade, Duplex Receptacles, Ground-Fault Circuit Interrupters: Feed-thru type, capable of protecting connected downstream receptacles on single circuit, grounding type UL-rated 943, Class A, Group 1, specification grade, 20-amperes rating (device and feed-thru), 125-volts, 60 Hz; with solid-state ground-fault sensing and signaling (maximum threshold of 5mA at 0.025 seconds maximum); equip with 20-ampere plug configuration, NEMA 5-20R. Provide ground fault circuit interrupter duplex receptacles equal to Leviton #8898 series. For receptacle circuits protected with 15A breakers, provide NEMA 5-15R equivalents. Where GFCI protected receptacles are shown on drawings, provide a separate GFCI receptacle for each one shown. Do not feed downstream receptacles from load-side (GFCI-protected) terminals of upstream receptacles.

Self-Grounding, Duplex Combination USB-Charger/Tamper-Resistant Type Receptacles: 2-pole, 3-wire grounding, self-grounding, green grounding screw, ground terminals and poles internally connected to mounting yoke, color coded base, 20-amperes, 125-volts, with metal plaster ears, back and side wiring, NEMA configuration 5-20R, with shutter mechanisms for tamper resistant applications. Comply with NEMA WD 1, NEMA WD 6 Configuration 5-20R, UL 498, and UL 943 Class A, and UL 1310. Provide one 20 Amp, 125 Volt, Decora Tamper-Resistant Duplex Receptacle, NEMA 5-20R. Provide two 3.6 Amp, 5V DC, 2.0 Type A USB Chargers. Provide integral smart chip that recognizes and optimizes the charging power of the plugged-in device. Label to comply with prevailing codes. Provide duplex safety type receptacles equal to Leviton #TR5632 series. For receptacle circuits protected with 15A breakers, provide NEMA 5-15R equivalents.

Floor Boxes: Refer to floor box schedule on drawings.

26 28 13.00 – FUSES

Extra Material

J. Fuses: Furnish fuses equal to 10% of project quantity not exceeding (10) for each amperage. Furnish no fewer than (2) for single phase applications and (3) for three phase applications.

All fuses shall be of the same manufacturer. Subject to compliance with requirements, provide fuses of one of the following: Bussman, LittelFuse, Shawmut (A4BQ series).

Except as otherwise indicated, provide fuses of types, sizes, ratings, and average time-current and peak let-through current characteristics indicated, which comply with manufacturer's standard design, materials, and constructed in accordance with published product information, and with industry standards and configurations. Fuses 1 ampere through 600 amperes shall be rejection type. Fuses 601 amperes through 6000 amperes shall be HI-Cap, bolt type.

Provide UL Class RK1 time-delay, dual-element (with pure silver links) fuses equal to Bussman #LPS-RK1 (600V) or Bussman #LPN-RK1 (250V) rated 60 Hz with 200,000 RMS symmetrical interrupting current rating for protecting service entrances and distribution feeders 600 amperes and below.

Provide UL Class RK5 time-delay, dual-element (with pure silver links) fuses equal to Bussman #LPS-RK5 (600V) or Bussman #LPN-RK5 (250V) rated 60 Hz with 200,000 RMS symmetrical interrupting current rating for protecting general duty motors.

Provide factory fuse identification labels, installed on the inside of the door of each switch indicating type and size of fuses installed. For types and ratings required, furnish additional fuses, amounting to 10 percent of fuses supplied, but not less than one set of 3 of each kind.

Each fuse shall be clearly factory marked with classification, characteristics, ampere ratings, voltage ratings, etc. Fuses shall not be shipped installed in switches nor shall they be installed in the equipment until the equipment until the equipment is ready to be energized.

Prior to installing fuses for protection of specific equipment, motors, etc., verify recommended fuse size/type in field from respective equipment manufacturer. If a conflict in fuse size/type results between manufacturer's recommendations and above specifications, contact engineer. Provide all required fuses under base bid. Install fuses in fused switches.

26 28 16.00 - ENCLOSED SWITCHES AND CIRCUIT BREAKERS

Submittal Requirements

K. Product Data
For each type include dimensioned elevations, sections, weights, and manufacturers' technical data on features, performance, electrical characteristics, ratings, accessories, and finishes. Include current ratings, voltage ratings, short circuit current ratings, accessories, breaker features, trip unit information as appropriate, etc.

Subject to compliance with requirements, provide equipment of one of the following manufacturers: ABB/GE; Siemans/ITE; Square D Co.; Westinghouse/Cutler-Hammer. Disconnect switches shall be equal to Square D Type HD. All Safety Switches/Disconnects shall be heavy duty, safety type, quick make and quick break and externally operated. Unless noted otherwise on drawings or directed otherwise in field, all disconnect switches shall be fused. Unless noted otherwise on drawings or directed otherwise in field, brace all disconnect switches for 200,000 A.I.C. Provide heavy-duty switches, with fuses of classes and current ratings indicated and UL listed for use as service equipment under UL Standard 98 or 869. Where current limiting fuses are indicated, provide switches with non-interchangeable feature suitable only for current limiting type fuses. Install disconnect switches within sight of controller position unless otherwise indicated.

26 51 00.00 - LIGHTING

Submittal Requirements

L. Product Data
For each type include detailed product information, light source, color temperature, color rendering index, lumen outputs, life, driver manufacturer, model and type, ceiling connection details, integral controls as applicable, drawings of custom fixtures or components, wiring diagrams, warranty, etc. Arrange luminaire submittals in booklet form with separate sheets for each luminaire, assembled by luminaire "type" in alphabetical order.

All recessed luminaires shall be equipped with necessary plaster frames and surface trim.

All junction boxes and serviceable components for recessed luminaires shall be readily accessible for service or replacement from below the ceiling, without removing any ceiling components (other than tiles).

All luminaires utilized for emergency and/or egress lighting shall be connected ahead of switching. All drivers of the same type shall be of the same manufacturer and catalog number. All LED modules of the same type shall be of the same manufacturer and catalog number.

Light Emitting Diode (LED) Systems: Provide factory installed LED modules that are specifically designed for, and matched and mated to, the respective luminaire in which they are used. Provide LED modules that can easily be replaced in the field and are readily accessible for replacement. Provide color temperature as indicated in Luminaire Schedule. Provide factory installed driver(s) for the LED source utilized that are specifically coordinated to the LED source and luminaire in which they are used. Provide driver(s) having specific operating characteristics defined in the Luminaire Schedule. Provide driver(s) that can easily be replaced in the field and are readily accessible for replacement. Provide specification sheet for the specific driver as part of the Luminaire Submittal. Provide Total Harmonic Distortion (THD) rating of less than 20 percent. Provide factory-installed integral filtering system to ensure THD does not exceed 20 percent regardless of quantities and/or mixes with other manufactured LED systems.

All surface and recessed ceiling luminaires installed on grid or tile ceilings shall be installed to agree with module of ceiling either displacing a tile, or unit on center of tile, or centered on grid lines.

Provide luminaires and/or luminaire outlet boxes with hangers to properly support luminaire weight. All luminaires installed in or on suspended ceiling systems shall be anchored directly to the building structural system above. Such anchoring shall be independent of the ceiling support system. All luminaires shall be installed plumb and level. Support surface mounted luminaires greater than 2 feet in length at a point in addition to the outlet box luminaire stud.

Occupancy Adjustments: When requested within 12 months of date of Substantial Completion, provide on-site assistance in adjusting aimable luminaires to suit actual occupied conditions. Provide up to two visits to Project during other-than-normal occupancy hours for this purpose. Some of this work may be required after dark. Adjust aimable luminaires in the presence of Owner's Representative and Design Professionals.

28 46 21.25 - FIRE ALARM SYSTEM EXTENSION

Submittal Requirements
Product Data
For each type of devices including catalog numbers, electrical characteristics, ratings, color, temperature limitations, etc. Submit as separate submittal (PD) but at same time as Shop Drawings for this section.
Shop Drawings
Provide a complete set of floor plan drawings showing conduit sizes and number of conductors required to all components plus detailed wiring connections required at each type of device. Clearly show the intended location of all field devices and their connections to the system. Include battery calculations, voltage drop calculations, critical dimensions, ductwork sizes for sampling tubes and associated required dimensions, wiring diagrams, sequence of operation, cable sizes and types, etc. Shop Drawings shall be prepared by persons with the following qualifications: Trained and certified by manufacturer in fire-alarm system design, and licensed and certified by authorities having jurisdiction. Submit as separate submittal (SD) but at same time as Product Data for this section.
Extra Materials
Audible and Visual Notification Appliances: Furnish one of each type installed.
Smoke Detectors: Furnish 5% of new work quantity, minimum of one.
Fuses: Furnish two of each type installed in the system.

Refer to Division 26 sections for requirements associated with all electrical work not specifically defined in this section, which shall be considered additional and concurrent scope of work that is associated with work of this section. Provide all work in strict compliance with all prevailing codes, standards and ordinances, including NFPA 70 and NFPA 72.

Qualifications of system designers, installers, programming personnel, inspection personnel, testing personnel and maintenance personnel shall be trained and certified by manufacturer for installation of units required for this Project. Provide all materials, labor and services to provide fully operational modifications to and extensions of existing facility fire alarm system(s).

Provide submittals for equipment, materials and systems specified in this section. Include cuts, descriptive information, technical data, wiring diagrams, system battery calculations, plan-view layouts, legend, point-to-point wiring, etc. Identify all information that is specific to this project.

The fire alarm system supplier shall provide to the electrical contractor a complete set of floor plan drawings showing conduit sizes and number of conductors required to all components plus detailed wiring connections required at each type of device.

It shall be the responsibility of the Fire Alarm System Manufacturer to furnish submittals to the authority having jurisdiction for approval. This action shall be taken during the shop drawing procedure. The system must be approved by this authority and a copy submitted to the Engineer with the shop drawing submittal. All fire alarm system working drawings shall be provided by manufacturer.

Program detailed device and room descriptions so that any trouble, supervisory or alarm condition clearly annunciates floor level, room number, room name, device, and indication of normal, alarm, trouble and supervisory status at fire alarm control panel(s), at fire alarm annunciator panel(s) and at the supervising central station.

Initiating Device, Notification Appliance and Signaling Line Circuits: Class A or Class A and B (provide Class A for circuits that provide isolation module protection for zones). Provide power-limited cables that have a temperature rating of at least 60 degrees C; provide additional marking for conductor size and temperature ratings for cables rated in excess of 60°C (140°F).

Interruption of Existing Fire-Alarm Service: Do not interrupt fire-alarm service to facilities occupied by Owner or others unless owner and others have been notified with at least two-day notice and approval.

Maintain existing equipment fully operational until new equipment has been tested and accepted. As new equipment is installed, label it "NOT IN SERVICE" until it is accepted. Remove labels from new equipment when put into service.

Added Devices and Extension of Existing System:

Verify that existing fire-alarm system is operational without troubles before making changes or connections. Connect new equipment to existing control panel in existing part of the building.

Connect new equipment to existing monitoring equipment at the supervising station.

Expand, modify, and supplement existing control/monitoring equipment as necessary to extend existing control/monitoring functions to the new points. New components shall be capable of merging with existing configuration without degrading the performance of either system.

Perform reacceptance testing to verify the proper operation of added or replaced devices and appliances. Initiating Device, Notification Appliance, and Signaling Line Circuits; NFPA 72, Class A, B, or A and B as required to match existing conditions.

Provide materials and labor as required to result in a fully operational extension and modification to the existing fire alarm system.

Where indicated on drawings, remove existing fire alarm devices in affected areas and protect during demolition and construction phases. Clean and reinstall these existing devices as indicated on drawings. Relocate devices as indicated on drawings and extend conduit and wiring as required. Modify and/or extend related existing wiring using code-compliant and landlord-compliant methods as required for a complete operational system.

Provide fire alarm system devices of the same manufacturer as, compatible with, and UL Listed and labeled for use on, the existing building fire alarm system.

Provide auxiliary contacts if required for special applications. All strobe alarms shall be compliant with NFPA and ADA.

Install wall-mounted devices at the following heights above finished floor:
Fire Alarm Manual Pull Stations: 46" to top of operating handle.
Fire Alarm Visual-Only and A/V Annunciators: 80" to bottom of outlet box.

All new wiring shall be installed in strict accordance with manufacturer's requirements.

The installation shall include a complete system test of the equipment by the local representative of the system installed. This test shall be performed in the presence of representatives of the Owner, and local fire department and other Authority/Authorities Having Jurisdiction (AH-J) if/as applicable.

Provide all required modifications (cards, power supplies, hardware, firmware, software, etc.) to the existing Fire Alarm system as required to render the entire extension fully operable.

The audio/visual and visual-only alarm indicating devices shall be red ADA-compliant units wall mounted at 6'8" to bottom of outlet box as shown on plans. Synchronize strobe units wherever required by any authority having jurisdiction, including ADAAG. Additionally, where required by local authority, the strobes shall meet ANSI S3.41 temporal code.

Provide isolation modules as/if required to isolate wire to wire shorts on a data loop to limit the number of other modules or detectors that are incapacitated by the short circuit fault and/or grounds. Isolation modules shall be part of the smoke detector base. The isolation modules shall permit the entire system to operate independently of the area disconnected by the isolation module due to wiring faults. Provide isolation modules and wiring configurations (using Class A, or Class A and B, pathways) for fault isolation so that any one fault will not cause any part of the system to go down other than the zone of the fault; provide zoning compliant with prevailing codes, including NFPA 72, with at least one zone per floor (more if areas are subdivided into multiple zones by fire and/or smoke barriers).

Provide monitor modules in quantities as required to interface all "non-intelligent" devices into the system. Application examples include fire alarm system remotes panels, remote power supplies, Sprinkler Flow Switches, Sprinkler Valve Tamper Switches, Sprinkler Valve Tamper Switches at Post Indicator Valves (PIVs), Sprinkler Valve Tamper Switches at meter pits, Fire Suppression/Protection System Pressure Switches, Kitchen Hoods, etc. as applicable. Refer to documents of all trades since some such devices may not be specifically shown on electrical drawings. Review fire suppression system submittals and installation drawings to determine exact quantities and locations for devices that require monitor modules, as project drawings may not include all devices that require monitoring; provide monitor modules, wiring, connections, programming, etc. accordingly. Provide indoor monitor modules for applications where outdoor valves are being monitored. Field-verify locations for outdoor valves (meter pits, PIVs, etc.). Provide analog wiring in conduit from outdoor tamper switch to indoor monitor module.

Provide control modules for all auxiliary devices and all supervised control functions such as air handler shutdowns.

Photoelectric Smoke Detectors: Provide photoelectric type smoke detectors. Provide contact bases for all applications where auxiliary contacts are required. Smoke detector locations shall not exceed the rated coverage of the detector and, in general, shall be no more than 15 feet from a wall or 30 feet apart. Placement Restrictions: Locate detectors no closer than 3 feet horizontally from air-supply diffuser or return-air opening; Locate detectors no closer than 12 inches from any part of a lighting fixture; Locate detectors no closer than 3 feet horizontally from the tip of a ceiling fan blade. Locate detectors no closer than 3 feet horizontally from the door or opening of a bathroom that contains a bathtub or shower, unless this would prevent placement of a detector that is required by prevailing codes. Locate detectors no closer than 6 feet horizontally from a permanently installed cooking appliance, unless this would prevent placement of a detector that is required by prevailing codes.

Provide ceiling mounted smoke detector located above each control/power unit (all types, including those for associated systems), and above all remote annunciators.

Provide weatherproof audible alarm notification device on the exterior wall at the location where the fire suppression sprinkler system water service enters the building.

Provide ceiling mounted photoelectric smoke detector located above each Fire Alarm Control Unit (FACU), if not already existing.

Provide all required 120V AC power as required to energize all new fire alarm related components. This requirement applies whether or not such power work is shown on the drawings. Branch circuits serving fire alarm related equipment shall be dedicated to fire alarm related equipment only.

Consultant
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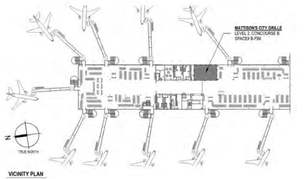

VICINITY PLAN

Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo
Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille
Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
ELECTRICAL SPECS

Project No.
Scale
Revision
Drawing No.
E-703

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ORIGINAL SHEET - ARCH D

FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER, OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER, OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTOR'S COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS, AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER, OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

GENERAL FIRE PROTECTION NOTES

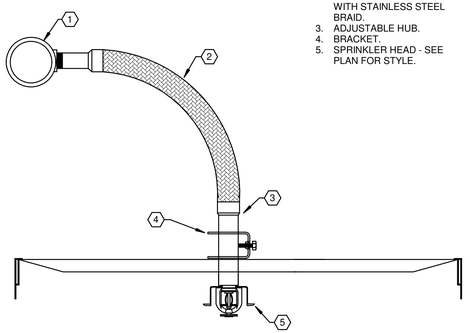
A. RENOVATED AREAS SHALL BE 100% SPRINKLERED.
B. COORDINATE CLOSELY WITH OTHER TRADES. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
C. ALL SPRINKLER WORK SHALL BE INSTALLED PER NFPA 13, BUILDING CODE, AND OWNER'S INSURANCE CARRIER REQUIREMENTS.
D. COORDINATE EXACT LOCATION OF PIPING AND HEADS WITH REFLECTED CEILING PLANS, MECHANICAL, AND ELECTRICAL DRAWINGS.
E. ALL FIRE SUPPRESSION WORK SHALL BE PERFORMED BY A FIRE PROTECTION CONTRACTOR LICENSED IN THE STATE OF FLORIDA.
F. ALL SPRINKLER HEADS SHALL BE LOCATED IN CENTER OF CEILING TILE. PLUS OR MINUS ONE HALF INCH.
G. SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING FOR SPRINKLER WORK IN ALL AREAS OF BUILDING. REFER TO SPECIFICATIONS.
H. ALL ARMOVER PIPING RELATED TO SPRINKLERS TO BE DEMOLISHED, SHALL HAVE ALL PIPING REMOVED BACK TO THE OUTLET ON THE BRANCHLINE.
I. WHEN MODIFYING EXISTING SPRINKLER SYSTEMS, SPRINKLER CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF THE EXISTING SPRINKLER ZONES. COORDINATE WITH NEW FIRE RATING PLANS AS NEEDED.
J. FIRE PROTECTION CONTRACTOR IS REQUIRED TO RAISE/REWORK ALL EXISTING PIPING AS NEEDED TO ACCOMMODATE NEW CEILINGS AND HIGHER CEILING HEIGHTS AS APPLICABLE.

FIRE PROTECTION LEGEND

SYMBOL	DESCRIPTION
SPRINKLER HEAD TYPES	
N, X, D	SPRINKLER TAG (NEW, EXISTING TO REMAIN, DEMOLITION)
●	CONCEALED WHITE PLATE SPRINKLER
HAZARD OCCUPANCY	
LH	LIGHT HAZARD OCCUPANCY
OH1	ORDINARY HAZARD OCCUPANCY GROUP 1

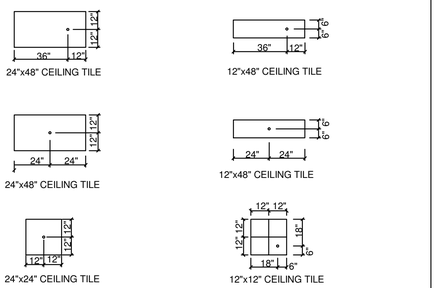
KEYED NOTES:

1. BRANCH LINE.
2. FLEX DROP - CORRUGATED STAINLESS STEEL HOSE WITH STAINLESS STEEL BRAID.
3. ADJUSTABLE HUB.
4. BRACKET.
5. SPRINKLER HEAD - SEE PLAN FOR STYLE.



211313.00-25 - FLEXIBLE DROP DETAIL

SCALE: NONE



NOTE:
ALL LOCATIONS INDICATED ARE TO BE MAINTAINED WITHIN PLUS OR MINUS 1/2", AND ALIGNED WITH ADJACENT HEADS FOR A UNIFORM, EVEN APPEARANCE OF COMPLETED INSTALLATION. POSITIONS INDICATED APPLY TO FULL SIZE SMOOTH SURFACE TILES, AS WELL AS FULL SIZE SUBGRIDDED (SCORED OR GRAPHICALLY DIVIDED) SURFACE TILES. THE APPEARANCE OF THE FINISHED CEILING TILE FACE AS INSTALLED OVERRIDES THE ACTUAL PHYSICAL DIMENSIONS OF THE TILE FOR PLACEMENTS INDICATED HEREIN. VERIFY CEILING TILE TYPES FROM ARCHITECTURAL DOCUMENTATION.

211313.00-02 - SPRINKLER HEAD LOCATION

SCALE: NONE

21 05 01.00 - COMMON REQUIREMENTS FOR FIRE SUPPRESSION
Submittal requirements
Product Data: Provide product datasheets for all fire-suppression materials, components, valves, devices, and equipment.
Shop Drawings: Delegated-Design Submittal: For fire-suppression systems in compliance with performance requirements and design criteria, all applicable codes, the authority having jurisdiction, and NFPA guidelines. Shop Drawings and associated hydraulic calculations shall be signed and sealed by the qualified professional engineer responsible for their preparation. or the Level III NICET certified designer responsible for their preparation.
Include plans, elevations, sections, and hangers, and items listed in NFPA-13
Include water flow test data and calculations on the drawings.
Coordination Drawings: Sprinkler systems, drawn to scale, on which the following items are shown and coordinated with each other.
Items penetrating finished ceiling include the following:
Lighting fixtures.
Air outlets and inlets.
Fire Alarm Devices
Security and IT related components.
Coordinate with all equipment, piping, conduit, ductwork and structural framing.

GENERAL
General Provisions of the Contract including General and Supplementary Conditions and General Requirements apply to work of this section.
PROJECT SCOPE:
The base bid includes furnishing all materials, labor, tools, equipment, permits in the performance of all work required to install a complete fire protection system as outlined herein and shall meet the requirements of the local building department, fire official, and NFPA-13
GUARANTEE
The contractor shall provide a guarantee in written form stating that all work under this section shall be free of defective work, materials, or parts for a period of one year from the date of owner's final acceptance and shall repair, revise or replace al no cost to the owner any such defects occurring within the guarantee period.
QUALITY ASSURANCE
Provide a complete installation in conformance with the following standards.
American Water Works Association, Inc.
Environmental Protection Agency
Factory Mutual
National Institute for Standards and Technology
National Electrical Code by NFPA
National Fire Protection Association
Occupational Safety and Health Administration (U.S. Department of Labor)
Underwriter's Laboratories, Inc.
State Building Code
PERMITS, FEES, INSPECTIONS, LAWS AND REGULATIONS
Permits and fees of every nature required in connection with this work shall be obtained and paid for by this contractor who shall also pay for all the installation fees and similar charges. Laws and regulations, which bear upon or affect the various branches of this work shall be complied with by this contractor and are hereby made a part of this contract. All work, which such laws require to be inspected, shall be submitted to the proper public official for inspection and a certificate of final approval must be furnished.
WORK IN EXISTING SPACES
General: Care shall be taken when working in existing spaces so as not to damage existing walls and ceilings where work is being performed.
Ceilings: Where work is being performed above ceilings, and the architectural drawings do not indicate ceiling modifications by the general contractor, it shall be the responsibility of this contractor to remove and replace existing ceilings where work is being performed. In those instances, all repair and installation of new grid, ceiling panels, etc. shall be the responsibility of this contractor. Match existing finishes.
Walls & Floors: It shall be the responsibility of this contractor to patch existing walls and floors and match existing finishes where work is being removed or installed and patching is being performed, unless noted otherwise on the architectural drawings.
DEMOLITION
Any sprinklers or equipment to be demolished shall also include the demolition of any and all piping, valves, hangers etc. serving or served by the equipment and all accessories, fire alarm devices, wiring, drain piping, control wiring and power wiring associated with the equipment.
Demolition shall be coordinated with all trades. All materials shall be turned over to the owner or disposed at the owner's direction.
Contractor is responsible for reclaiming any agent or halon in association with the demolition in accordance with all local, state and federal regulations.
Any roof or wall penetration shall be patched watertight to the satisfaction of the architect.
TESTS AND ADJUSTMENTS
No piping or equipment shall be concealed or covered until they have been inspected and approved by the Architect and the inspector who shall be notified by the contractor when the work is ready for inspection.
Work shall be completely installed, tested and leak tight before inspection is required. All tests shall be repeated to the satisfaction of those making the inspection.
PROJECT CONDITIONS
Where new fire protection systems are required to be connected to existing fire protection systems, it is the contractor's responsibility to verify the location, size, pressure, condition, and they shall verify that the existing fire protection system is indeed a fire protection system before any work is done. Provide all necessary camera scoping, dye testing, labor, materials, and equipment as necessary. If there is any need for concern, if it is determined that the existing fire protection system is not a fire protection system or not connected to a fire protection system, if the condition of the existing fire protection system is not viable for re-use, or any other condition that would not allow the proper functioning of the new fire protection system, the contractor shall notify the engineer in writing immediately via RFI and wait for direction before proceeding.
Interruption of Existing Fire Protection Service: Do not interrupt service to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary service according to requirements indicated:
Notify, Architect, Construction Manager, and Owner no fewer than seven days in advance of proposed interruption of service.
Do not proceed with interruption of service without Architecf's written permission.

21 05 03.00 – SUBMITTALS FOR FIRE PROTECTION

Provide submittals in accordance with the Contract Documents.
Product Data and Shop Drawings:
A. Sprinkler Heads
B. Sprinkler Pipe
C. Devices
D. Special Equipment
E. Shop Drawings with Calculations when required

Some Divisions may include a division-specific "Submittal Requirements for ..." section. Where this section exists, it articulates additional requirements for submittals that apply to the work of that Division.
The following requirements help to identify, track and keep the project organized for all parties involved. They are necessary to ensure a timely turnaround and an appropriate technical review. Submittals that do not conform to the administrative requirements are rejected and returned, without technical review.
Include cover sheet / title page: The cover sheet shall include the information identified in the contract documents. It shall be included as the first page of each electronic document-based submittal. An editable and printable PDF form created with editable fields and specification compliant appearance is available from KLH upon request. It is also downloadable from the KLH website at www.klhengrs.com.

Include an index: The index shall enumerate the contents of the submittal.

Supply complete submittals: Complete submittals of each type are required. Partial submittals will be rejected. Where a section requires a product data submittal, all product data for that section shall be supplied together, at one time, as one complete submittal. When resubmittal is required (e.g. Revise and Resubmit) the revised submittal shall be more complete, more accurate and more contract-compliant than its rejected predecessor. The submittal number (for each section and type) shall increment for each subsequent submittal (00 – Original submission, 01 – First Resubmission, 02 – Second Resubmission, etc…). Resubmittals shall include a copy of the reviewer's comments supplied with the prior submittal rejection and shall be amended with a description of the specific action taken to comply with the reviewer's comments. The absence of this on resubmittal is cause for rejection.

Name electronic files to match the submittal ID and cover sheet: The electronic file name of submittals shall match the submittal ID included on the submittals cover page. For example: The original/first product data submittal for Section 211316 would be labeled as "211316.00-PD-00"; the first resubmittal of same shall be labeled "211316.00-PD-01". The original/first shop drawings submittal file for the same section would be labeled "211316.00-SD-00"; the first resubmittal of same shall be labeled "211316.00-SD-01";

If expressly permitted by the Owner and the terms of the Contract, editable electronic drawings may be made available for the creation of shop and as-built drawings upon request. Drawings will be made available at the discretion of the Engineer.

"Request Drawings" form can be accessed, filled out and submitted at http://www.klhengrs.com (right hand side of page - Contractor Resources). Direct access to this form can be found here:
http://files.klhengrs.com/requestdrawings.html

21 13 13.00 – WET PIPE SPRINKLER SYSTEMS

PERFORMANCE REQUIREMENTS
Standard-Pressure Piping System Components: Listed for 175-psig minimum working pressure.
Delegated Design: Design sprinkler system(s), including comprehensive engineering analysis by a qualified professional engineer, or NICET Level 3 Technician.
Sprinkler system design shall be approved by all authorities having jurisdiction.
Margin of Safety for Available Water Flow and Pressure: 10 percent, including losses through water-service piping, valves, and backflow preventers.
Sprinkler Occupancy Hazard Classifications to be per NFPA 13.
Area increases and decreases shall be applied per requirements listed in NFPA-13
Total Combined Hose-Stream Demand Requirement: According to NFPA 13.
QUALITY ASSURANCE
NFPA Standards: Sprinkler system equipment, specialties, accessories, installation, and testing shall comply with the following:
NFPA 13, "Installation of Sprinkler Systems."
PROJECT CONDITIONS
Interruption of Existing Sprinkler Service: Do not interrupt sprinkler service to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary sprinkler service according to requirements indicated:
Notify Architect and Owner no fewer than seven days in advance of proposed interruption of sprinkler service. Do not proceed with interruption of sprinkler service without Architect's and Owner's written permission.
Pay for all fees associated and required for system shut-downs and re-activation.
COORDINATION
Coordinate layout and installation of the sprinklers that penetrates ceilings, including light fixtures, HVAC equipment, and partition assemblies.
Coordinate layout with all structural elements and comply with obstruction rules per NFPA-13
PRODUCTS
STEEL PIPE AND FITTINGS
Piping 2" and smaller shall be Schedule 40, Black-Steel Pipe: ASTM A 795 or 53/A 53M, Type E, Grade B. Pipe ends may be factory or field formed to match joining method.
Piping 2" and larger shall be Schedule 10, Black-Steel Pipe: ASTM A135 or ASTM A 795 Schedule 10
Black-Steel Pipe Nipples: ASTM A 53/A 53M, standard-weight, seamless steel pipe with threaded ends.
Steel Couplings: ASTM A 865, threaded.
Threaded Fittings: ASME B16.4, Cast Iron Class 125, standard pattern.
Cast-Iron Flanges: ASME 16.1, Class 125.
Steel Flanges and Flanged Fittings: ASME B16.5, Class 150.
Grooved-End Fittings for Steel Piping: ASTM A 47/A 47M, malleable-iron casting or ASTM A 536, ductile-iron casting; with dimensions matching steel pipe.
Grooved-End-Pipe Couplings for Steel Piping: UL 213, rigid pattern, unless otherwise indicated, for steel-pipe dimensions. Include ferrous housing sections, EPDM-rubber gasket, and bolts and nuts.
SPRINKLER SPECIALTY PIPE FITTINGS
Branch Outlet Fittings: Mechanical tee with grooved or threaded outlets
Flexible, Sprinkler Hose Fittings: UL and FM approved with ceiling bracket and braided stainless steel hose compatible with selected sprinkler.
SPRINKLERS
Use sprinkler types in subparagraphs below for the following applications:
Rooms without Ceilings: Factory brass finish
Finished Rooms with Ceilings:
Ceilings: Fully concealed pendent sprinklers with factory brass finish on sprinkler and factory-painted adjustable, flat white cover.
Areas with corrosive atmospheres, sprinklers shall be nickel plated, Teflon coated or stainless steel.
Sprinkler Guards:
Provide sprinkler guards to protect exposed sprinklers in mechanical rooms, in gymnasiums, and all other locations subject to damage.
EXECUTION
Perform fire-hydrant flow test according to NFPA 13 and NFPA 291.
SPRINKLER INSTALLATION
Install sprinklers in suspended ceilings within 1 inch in both directions, in the center of a 2x2 ceiling tile or in the center of a 2x2 end-section of a 2x4 ceiling tile.
FIELD QUALITY CONTROL
Tests and Inspections: Flush and hydrostatic test sprinkler systems according to NFPA 13 and local AHJ requirements. Sprinkler piping system will be considered defective if it does not pass tests and inspections. Prepare test and inspection reports.
Cleaning: Clean dirt and debris from sprinklers. Remove and replace sprinklers that have paint other than factory finish.

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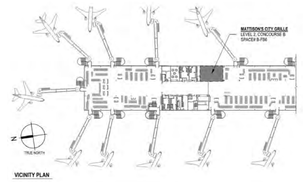
859-442-8058 FAX — NEW YORK, NEW YORK

Notes



Revision	By	Appd	YYYY.MM.DD
ISSUE FOR CONSTRUCTION	KLH	KLH	2025.01.16

Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project
PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille
Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title
FIRE PROTECTION COVER SHEET

Project No.

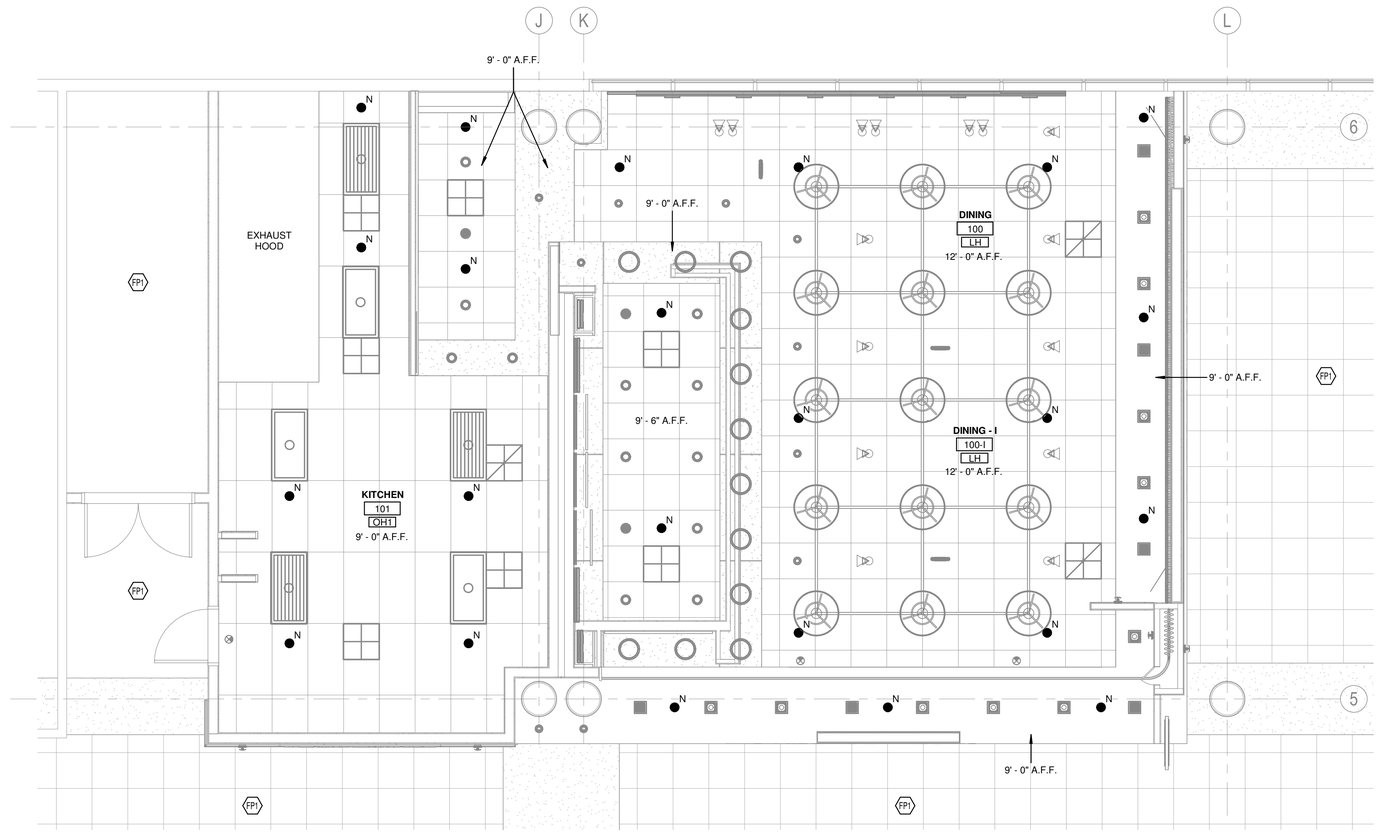
Scale
1/8" = 1'-0"

Revision

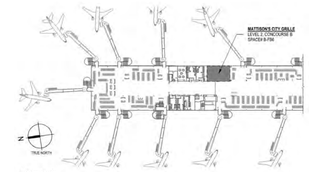
Drawing No.
F-001

KEYED NOTES

FP1	NOT IN SCOPE.



1 FIRE PROTECTION PLAN
1/4" = 1'-0"



VICINITY PLAN

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Notes

Revision	By	Appd	YYYY.MM.DD
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Issued	By	Appd	YYYY.MM.DD
File Name: N/A	Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Permit/Seal

Client/Project Logo

Paradies Lagardère TRAVEL RETAIL
Mattison's City Grille

Client/Project

PARADIES LAGARDERE TRAVEL RETAIL
Mattison's City Grille

Concourse B, L2, SPACE# B-FB6
Support Space: L1, # B-S9
Sarasota Bradenton International Airport, FL, USA
6000 Airport Circle, Sarasota, FL 34243

Title

FIRE PROTECTION PLAN

Project No.

Scale
1/4" = 1'-0"

Revision

Drawing No.
F-101

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ORIGINAL SHEET - ARCH D

Mattison's City Grille

Sarasota, FL

SHEET INDEX	
SHEET NUMBER	SHEET NAME
FS1.0	TITLE SHEET
FS1.1	FOODSERVICE EQUIPMENT PLAN
FS1.2	FOODSERVICE EQUIPMENT ELEVATIONS
FS2.0	FOODSERVICE EQUIPMENT PLUMBING COORDINATION PLAN
FS2.1	FOODSERVICE EQUIPMENT ELECTRICAL COORDINATION PLAN
FS2.2	FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN
FS2.3	FOODSERVICE EQUIPMENT UTILITY COORDINATION DETAILS

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#	DATE:	DESCRIPTION:
1	01/15/25	ISSUED FOR CONSTRUCTION

PROJECT:

Mattison's City Grille

6000 Airport Cir, Sarasota, FL 34243

SHEET TITLE:

TITLE SHEET

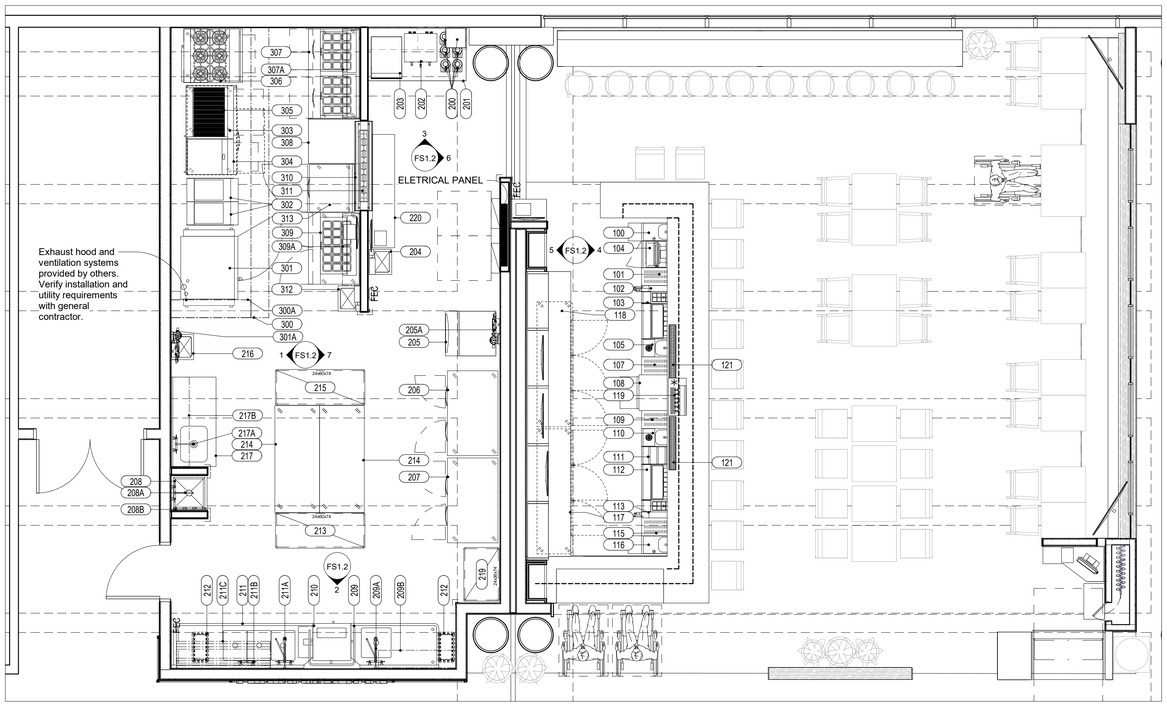
SCALE:
DESIGNER: LE
DESIGN TECH: AA
DATE: 08-05-2024

PROJECT NUMBER:

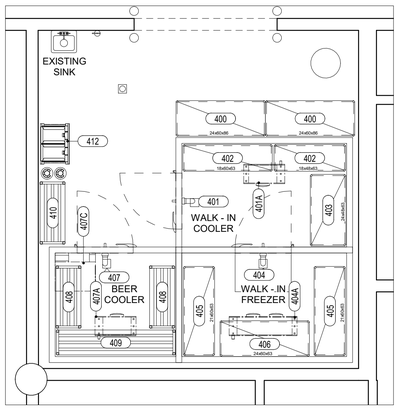
CD-0160

SHEET NO:

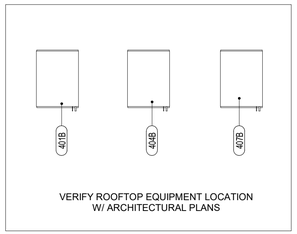
FS1.0



1 FOODSERVICE EQUIPMENT PLAN - KITCHEN
1/4" = 1'-0"



2 FOODSERVICE EQUIPMENT PLAN - BASEMENT
1/4" = 1'-0"



3 ROOFTOP EQUIPMENT
1/4" = 1'-0"

Design - Scope and Coordination Notes :

Architectural Coordination:

1. All lighting fixtures provided within Kitchen, Sanitation, over serving counters, and areas with storage of open food shall be provided with shatterproof light source and/or enclosures.

2. Lighting shall be designed within Kitchen, Sanitation, or other processing areas to provide 50 ft. candles at the surface on which employees will be working with food or equipment. A light intensity of 20 ft. candles must be maintained where food is provided for self-service or where packaged food products are sold.

3. Wall and ceiling finishes in all Kitchen, Sanitation, Storage, and other processing areas shall be of a smooth, washable, nonporous, durable finish.

4. Where floors meet with walls or other vertical surfaces they shall be provided with a coved corner and extend 6" up the vertical surface.

5. Floors throughout the Kitchen, Sanitation and Storage areas shall be of a durable, smooth, nonporous, washable surface. If floor is to be tiled, it is recommended that quarry tile be used with a dark epoxy grout.

6. Provide at least one 42" wide or larger door into all kitchen and serving areas for future installation and removal of equipment.

7. Enclosed areas within the kitchen or storage with mechanically cooled equipment (refrigerators, freezers, ice-makers, cold prep tables) or cooking equipment classified as ventless must be provided with supply and return air from building HVAC system to maintain a maximum ambient temperature of 75F with a maximum humidity of 60%.

8. Cooking equipment items list as "Ventless" may not require a Type 1 or Type 2 exhaust hood that vents to the outside, however, these items still produce heat, moisture and odors that will need to be accounted for in the mechanical design. Mechanical engineers must provide appropriate air changes and tempered air to off-set heat and moisture gain from equipment.

9. Provide high temperature waste lines capable of withstanding temperatures above 140F for equipment items that have the potential for high temperature wastewater discharge. Items such as, but not limited to, combi-ovens, steamers, bain-maries, kettle or tilt skillet floor troughs, and dish washers.

10. Grease traps or solid waste interceptors, if required, are the responsibility of the Mechanical Engineer and installed by the Mechanical Trade. If located in the kitchen, units are to be recessed, flush with top of finished floor and removal of cover shall not interfere with the operation of equipment items. Provide placement information to Great Lakes Culinary Design for coordination with surrounding equipment.

Food Service Scope Coordination:

1. Food Service Equipment Contractor (FSEC) will purchase and set in place the equipment. Once equipment utilities have been connected by Plumbing, Electrical and Mechanical trades the FSEC will return to secure equipment to the surrounding walls, trim any gaps and seal to adjacent surfaces. They will then start-up and calibrate the equipment and provide training and demonstrations to kitchen staff.

2. After installation of the food service equipment, final connection to service lines are by Plumbing Trades. All piping from rough-in location to equipment to be provided by Plumbing Trades. All mechanical components, including water filters, furnished by the Foodservice Equipment Contractor shall be installed by Mechanical Trade during the final connections. General Contractor to furnish and install all material not provided by the Foodservice Equipment Contractor such as, valves, traps, fittings, stops, pressure regulators, and piping between equipment and stub-out locations to make equipment fully operational.

3. Plumbing Trades will provide and route indirect waste lines to nearest practical floor sinks(drain).

4. Electrical Trades are to provide service and fully connect equipment items. Unless specified otherwise, they are to furnish and install all material, cords, cord caps, conduits, junction boxes, disconnects, switches, starters, breaker panels, lamps, and interconnections between stub-out and equipment location to make equipment fully operational. All devices are to meet national and local electrical codes.

5. FSEC to provide refrigeration piping from refrigeration coils to condensers and indirect waste lines from coils to drains. Evaporator waste lines shall have a 4/12 pitch toward drain and be provided with a P-trap at the floor sink.

6. Refrigeration roof support curbs or rails are provided by FSEC. Installation of Curb/rails, Structural reinforcing, roof penetrations and flashing to accommodate refrigeration systems installation is the responsibility of the General Contractor.

7. Bar die-walls, millwork/casework is provided in the Architectural scope. Where serving counters are designed as a hybrid of stainless steel fabrication and millwork fronts, FSEC will provide design the functional configuration of the overall counter and coordinate with the Architectural team for its aesthetic details.

8.Exhaust hood and ventilation systems provided by others. Verify installation and utility requirements with general contractor.

9. Where existing exhaust hoods, MUA and fan systems are to remain it is the responsibility of the Mechanical Engineers to verify they meet current codes and CFM requirements for the equipment being placed under them.

10. Mechanical Trade is to provide water- and grease-proof exhaust ducts from vent connections of dish washing machines and exhaust ventilators at 6" above the finished ceiling. Piping from exhaust ventilator and fire protection control panels to exhaust ventilators by Mechanical Trade.

11. Conduit and wiring between exhaust ventilators control panels, remote fire switch, exhaust fans, starters, shunt-trip breakers, gas solenoids, building alarm system, wash solenoids on ventilators (when required), exhaust duct collar detectors and ventilator lights by Mechanical and Electrical Trades.

12. Food Service Equipment Contractor to provide and install Caster Positioning Chock for each item of cooking equipment located under exhaust hood.

FOODSERVICE EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	ITEM REMARKS
100	1	Soap & Towel Hand Sink	
101	1	Storage Cabinet	
102	1	Soda Gun Holder	
103	1	Mixology Station	
104	1	POS Cabinet	
105	1	Mixology Station	
106	1	Spare Number	
107	1	Storage Cabinet	
108	1	Heat Recovery Glasswasher	Not In Contract - By Owners Vendor
109	1	Storage Cabinet	
110	1	Mixology Station	
111	1	Liquor Display	
112	1	Mixology Station	
113	1	Soda Gun Holder	
114	1	Spare Number	
115	1	Storage Cabinet	
116	1	Soap & Towel Hand Sink	
117	1	Back Bar Cooler	
118	1	Back Bar Cooler	
119	1	Tee Tower	
120	1	Spare Number	
121	2	Drop In, Drink Rail	
200	6	Airpots	
201	1	Beverage Counter	
202	1	Coffee Brewer	
203	1	Soda Dispenser	Not In Contract - By Owners Vendor
204	1	Hand Sink w/ Side Splashes	Soap & Towel Dispensers - By Others
205	1	Ice Maker w/ Bin	
205A	1	Water Filter	
206	1	Freezer, Reach-In	
207	1	Refrigerator, Reach-In	
208	1	Mop Sink	Not In Contract - By GC
208A	1	Faucet	Not In Contract - By GC
208B	1	4-Pole Mop Holder	
209	1	Soiled Dishtable	
209A	1	Pre-Rinse Faucet w/ Faucet	
209B	2	Wall Shelf	
210	1	Warewasher, Door Type, High Temp	Not In Contract - By Owners Vendor
211	1	Clean Dishtable w/ 3 Compartment Sink	
211A	1	Pre-Rinse Faucet w/ Faucet	
211B	1	Faucet	
211C	1	Dish Shelf	
212	2	Trash Bin	Not In Contract - By Owner
213	1	Wire Shelving Unit	

FOODSERVICE EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	ITEM REMARKS
214	2	Work Table	
215	1	Wire Shelving Unit	
216	1	Hand Sink w/ Side Splashes	Soap & Towel Dispensers - By Others
217	1	Work Table w/ Sink	
217A	1	Faucet	
217B	1	Wall Shelf	
219	1	WIre Shelving Unit	
220	1	Plate Cabinet	
300	1	Exhaust Hood	Not In Contract - By GC
300A	1	Fire Suppression System	Not In Contract - By GC
301	1	Combi Oven	Gas
301A	1	Water Filter	
302	2	Fryer - 40lb.	Gas
303	1	Griddle Stand, Refrigerator	
304	1	Gas Griddle, Countertop	Gas
305	1	Gas Char-Broiler, Countertop	Gas
306	1	6-Open Burners - with Convection Oven	Gas
307	1	Sandwich Unit, Refrigerated	
307A	1	Wall Shelf	
308	1	Work Table	
309	1	Sandwich Unit, Refrigerated	
309A	1	Wall Shelf	
310	1	Pass Thru Shelf	
311	1	Heat Lamp	
312	1	Hand Sink w/ Side Splashes	Soap & Towel Dispensers - By Others
313	1	Worktop Freezer	
400	2	Wire Shelving Unit	
401	1	Walk-In Cooler	
401A	1	Walk-In Cooler - Evaporator Coil	
401B	1	Walk-In Cooler - Refrigeration System	
402	2	Wire Shelving Unit	
403	1	Wire Shelving Unit	
404	1	Walk-in Freezer	
404A	1	Walk-In Freezer - Evaporator Coil	
404B	1	Walk-In Freezer - Refrigeration System	
405	2	Wire Shelving Unit	
406	1	Wire Shelving Unit	
407	1	Walk-In Beer Cooler	
407A	1	Walk-In Beer Cooler - Evaporator Coil	
407B	1	Walk-In Beer Cooler - Refrigeration System	
407C	1	Beer Line Chiller	
408	2	Keg Storage Rack	
409	1	Keg Storage Rack	
410	1	Keg Storage Rack	
411	1	Spare Number	
412	1	Bag-In Box w/ CO2	Not In Contract - By Owners Vendor

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SOUTHFIELD, MI 48033
p. 313.962.9176
info@glcds.com
www.glcds.com

#	DATE:	DESCRIPTION:
1	01/15/25	ISSUED FOR CONSTRUCTION

PROJECT:

Mattison's City Grille

6000 Airport Cir, Sarasota, FL 34243

SHEET TITLE:

FOODSERVICE EQUIPMENT PLAN

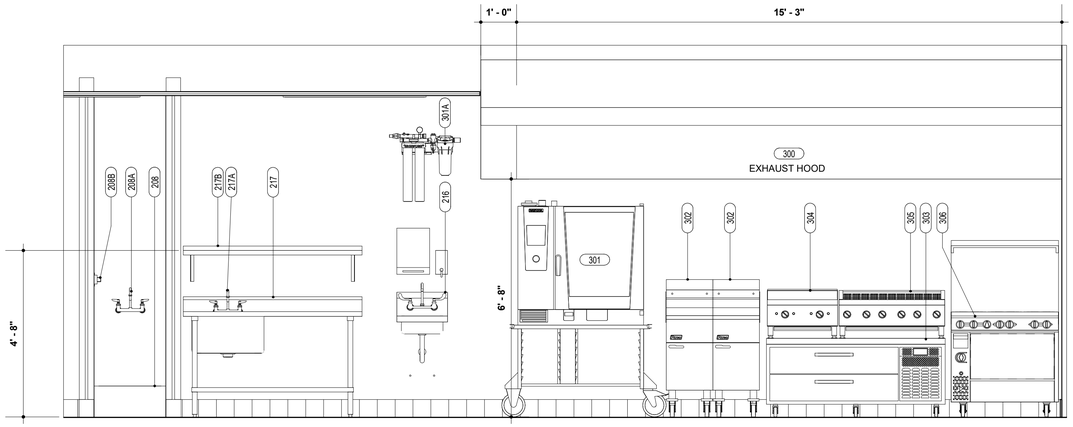
SCALE:	1/4" = 1'-0"
DESIGNER:	LE
DESIGN TECH:	AA
DATE:	08-05-2024

PROJECT NUMBER:

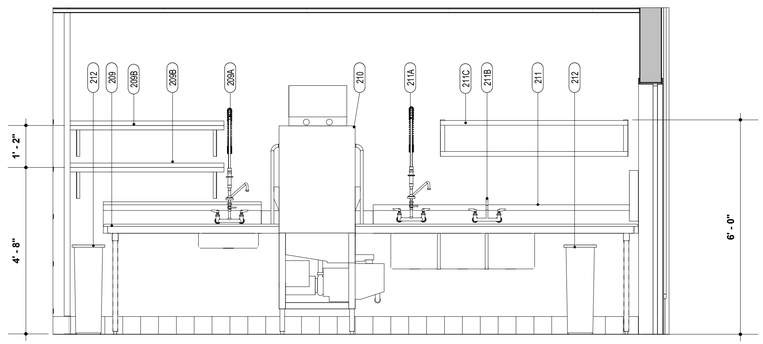
CD-0160

SHEET NO:

FS1.1



1 Elevation at Hood
1/2" = 1'-0"



2 Elevation at Warewash
1/2" = 1'-0"

3 Elevation at Beverage Station
1/2" = 1'-0"

4 Elevation at Bar East
1/2" = 1'-0"

5 Elevation at Bar West
1/2" = 1'-0"

6 Elevation at Ice Maker
1/2" = 1'-0"

7 Elevation at Pass Through
1/2" = 1'-0"

GREAT LAKES
CULINARY DESIGNS

CREATIVE THINKING. EFFICIENT DESIGN.

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#	DATE:	DESCRIPTION:
1	01/15/25	ISSUED FOR CONSTRUCTION

PROJECT:

Mattison's City Grille

6000 Airport Cir, Sarasota, FL 34243

SHEET TITLE:

FOODSERVICE EQUIPMENT ELEVATIONS

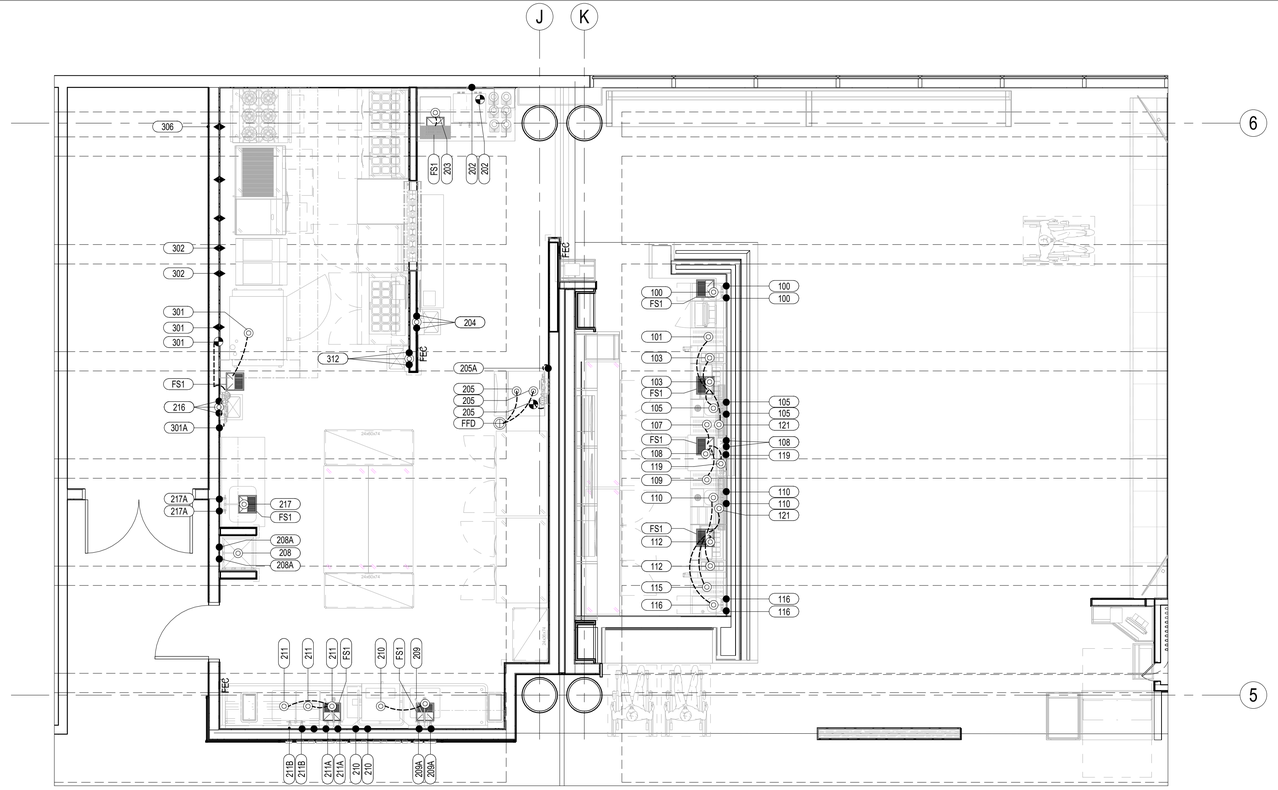
SCALE:	1/2" = 1'-0"
DESIGNER:	LE
DESIGN TECH:	AA
DATE:	08-05-2024

PROJECT NUMBER:

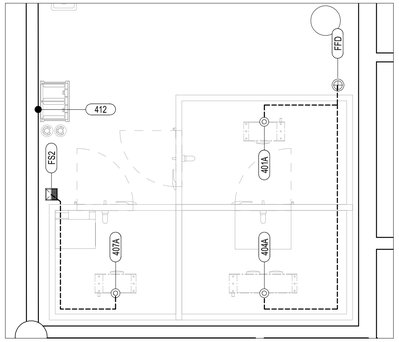
CD-0160

SHEET NO:

FS1.2



1 FOODSERVICE PLUMBING COORDINATION PLAN - KITCHEN
1/4" = 1'-0"



2 FOODSERVICE PLUMBING COORDINATION PLAN - BASEMENT
1/4" = 1'-0"

PLUMBING LEGEND

●		FW	FILTERED WATER
	FIELD CONN. BY PLUMB.	BTC	BRANCH TO CONNECT
●	FIELD CONN. COLD WATER	HW	HOT WATER
●	HOT/COLD WATER	CW	COLD WATER
◔	FILTERED WATER	IW	INDIRECT WASTE
◆	GAS CONNECTION	DW	DIRECT WASTE
⊙	DRAIN LOCATION	DFA	DOWN FROM ABOVE
●	FLOOR DRAIN		
▭	12" X 12" X 10" FLOOR SINK (FS1)	▭	8" X 8" X 10" FLOOR SINK (FS2)
⊕	FUNNEL FLOOR DRAIN (FFD)		

PLUMBING REQUIREMENTS NOTES:

General Plumbing Notes:

1. Drawing indicates plumbing requirements for each item of food service equipment and does not indicate utility rough-in locations. This drawing is intended to be used to coordinate mechanical requirements for food service equipment with the Mechanical Engineer. The design of systems to accommodate these requirements is the responsibility of others and is to be in accordance with all applicable codes and meet with the approval of all governing authorities.

2. The Mechanical Engineer/Architect/Owner shall verify that the requirements for gas, steam, cold water, exhausted and make up air and hot water can be accommodated.

3. Utilities shown are for items of food service equipment in contract only and this drawing must be used in conjunction with the mechanical drawings for other required utilities.

4. Existing and Owner/Vendor provided equipment must be verified with the equipment. Any utilities indicated on this plan are to be considered estimates only and must be verified with equipment. Contact provider for equipment location and specifications.

5. Shut-off valves for all utilities shall be provided at the rough-in location for all equipment items by the Mechanical Trade.

6. Utilities are to be concealed in walls and stubbed out of walls with all horizontal piping runs extended to and connected to equipment items shall be not less than 6" above the floor. Do not stub out of the floor and run exposed on the face of the wall.

7. Grease traps or solid waste interceptors, if required, are the responsibility of the Mechanical Engineer and installed by the Mechanical Trade. If located in the kitchen, units are to be recessed, flush with top of finished floor and removal of cover shall not interfere with the operation of equipment items. Provide placement information to Great Lakes Culinary Design for coordination with surrounding equipment.

8. Faucets and lever waste shall be supplied by the Foodservice Equipment Contractor and installed by the General Contractor/Mechanical Trades.

9. Foodservice Equipment Contractor shall furnish all faucets, special valves, regulators, pressure type relief valves, control valves, vacuum breakers, thermometers, pressure gauges, gas and water quick disconnect units and other equipment items as required to support the installation of the equipment or required by governing codes, shipped loose for field installation by the Mechanical Trade.

10. After installation of the food service equipment, final connection to service lines by Mechanical Trade. All piping from rough-in location to equipment to be provided by Mechanical Trade. All mechanical components furnished by the Foodservice Equipment Contractor shall be installed by Mechanical Trade during the final connections.

11. Floor sinks are intended to handle large flow quantities. Floor sinks shall be a min. of 10" x 10" receptor with an 8" sump depth. Provide with an anti-splash interior dome strainer.

12. All floor sinks are to be set flush with the finished floor. Fully or partially exposed floor sinks are to be complete with top grate, as indicated. In the event that local codes require floor sinks to be set above or below finished floor, the General Contractor shall promptly advise the Architect and Foodservice Designer.

13. The Mechanical Trade shall provide all check valves and back flow prevention devices, nipples, couplings, unions, traps, strainers, shut-off valves, floor sinks, funnel-type floor drains and floor drains.

14. General Contractor to furnish and install wall and floor sleeves as well as watertight conduits for beverage and refrigeration systems. Floor sleeves shall be watertight and extend 2" above finished floor. Sleeves through pads and curbs to be flush. Seal sleeve openings watertight.

15. General water pressure in kitchen shall not exceed 75 PSI, dishwasher, or glasswasher to be at 25 PSI. maximum. General Contractor to furnish and install pressure reducing valves as required.

16. All drain lines provided by the General Contractor shall be 1" minimum: adapters are to be provided and installed on equipment connections that are less than 1". All drain lines are to be hard copper. Drain lines within fixtures are to be routed as high as possible and conform to fixture configuration and functions so as not to obstruct openings or shelves.

17. All gas line utility rough-ins to be stubbed out of wall at point of connection. The main gas line is not to be run exposed on wall.

18. General gas pressure in kitchen shall not exceed 14" w.c.

19. Provide high temperature waste lines capable of withstanding temperatures above 140F for equipment items that have the potential for high temperature wastewater discharge. Items such as, but not limited to, combi-ovens, steamers, bain-maries, kettle or tilt skillet floor troughs, and dish washers.

Walk-in Refrigerator/Freezer and Refrigeration Systems:

20. Ventilate refrigeration machinery rooms to provide a maximum ambient temperature of 90°f (35°c).

21. Refrigeration systems shall be completely piped and controlled to refrigeration units by the Foodservice Equipment Contractor.

22. Refrigeration piping from refrigeration coils to condensers and indirect waste lines from coils to drains are provided under the Foodservice Equipment Contractor's refrigeration scope. Evaporator waste lines shall have a 4/12 pitch toward drain and be provided with a P-trap at the floor sink.

23. Roof support curbs or rails are provided by Foodservice Equipment Contractor. Installation of Curb/rails, Structural reinforcing, roof penetrations and flashing to accommodate refrigeration systems installation is the responsibility of the General Contractor.

PLUMBING SCHEDULE NOTES:

Note: The following notes pertain to individual items as indicated in the plumbing schedule.

A. Plumbing trades to branch 1/2" cold water from rough-in for pre-rinse faucet to disposer cold water inlet. All interconnections from disposer, solenoid valve, flow control valve & vacuum breaker are by Plumbing Trades.

B. Water filter provided by FSEC, to be installed by plumbing trades. Plumbing trade to install filter and provide interconnection from rough-in to filter and from filter to cold water inlet of equipment.

C. Item requires indirect waste and floor sink below counter, coordinate route with General Contractor. Delete bottom of cabinet at floor sink for access.

D. Indirect waste line extended to floor sink by Plumbing Trades.

E. 1/2" cold water supply for wastewater tempering kit. Kit to be installed by plumbing trades.

F. Provide high temperature waste line capable of withstanding temperatures above 140F provided by Pluming Trades.

G. Gas quick disconnect hose assembly & restraining cable provided by FSEC to be installed by Plumbing Trades.

H. Mechanically operated gas shut-off valve provided by FSEC to be installed by plumbing trades. FSEC to interconnect to fire protection system for fuel shut-off to cooking equipment beneath exhaust hoods upon activation of fire protection system.

I. Coordinate ductwork connection size and requirements with manufacturers' shop drawing.

J. Coordinate ductwork & gas service connection to MUA unit with manufacturer's shop drawing.

K. Coordinate interconnections with hood and building alarm system with exhaust hood manufacturer's shop drawing.

L. Evaporator coil indirect waste line extended to floor sink or funnel floor drain by FSEC.

M. Existing equipment to be reused - FSEC to verify utility requirements & location with Owner or Owner's Vendor.

N. Equipment item N.I.C. - FSEC to verify utility requirements & location.

O. Owner Provided Equipment - FSEC to verify utility requirements & location with Owner or Owner's Vendor.

P. Equipment item N.I.C. - Verify utility requirements & location with General Contractor.

FOODSERVICE PLUMBING SCHEDULE

ITEM	QTY.	DESCRIPTION	COLD WATER		HOT WATER		FILTERED WATER		WASTE CONNECTIONS			GAS CONNECTION			PLUMBING NOTES (SEE SCHEDULE NOTES)
			SIZE	HT.	SIZE	HT.	SIZE	HT.	IW SIZE	DW SIZE	DW HT.	SIZE	HT.	MBTU	
100	1	Soap & Towel Hand Sink	1/2"	12"	1/2"	12"			1-1/2"						D
101	1	Storage Cabinet							1"						D
103	1	Mixology Station							(2) 3/4"						
105	1	Mixology Station	1/2"	12"	1/2"	12"			1-1/2"						D, Plumbing trades to interconnect to glass rinser.
107	1	Storage Cabinet							1"						D
108	1	Heat Recovery Glasswasher	(2) 1/2"	(2) 12"					5/8"						D, E, N
109	1	Storage Cabinet							1"						D
110	1	Mixology Station	1/2"	12"	1/2"	12"			1-1/2"						D, Plumbing trades to interconnect to glass rinser.
112	1	Mixology Station							(2) 3/4"						D
115	1	Storage Cabinet							1"						D
116	1	Soap & Towel Hand Sink	1/2"	12"	1/2"	12"			1-1/2"						D
119	1	Tee Tower	1/2"	12"					1/2"						D
121	2	Drop In, Drink Rail							1/2"						D
202	1	Coffee Brewer	1/2"	50"											N, Plumbing trades to provide & install in-line water filter.
203	1	Soda Dispenser							3/4"						D, N
204	1	Hand Sink w/ Side Splashes	1/2"	14"	1/2"	14"				1-1/2"	21"				
205	1	Ice Maker w/ Bin					BRANCH		(1) 1/2", (1) 3/4"						B, D, Filtered water provided by #205A
205A	1	Water Filter	1/2"	96"											B, Providing filtered water to #205 and #202
208	1	Mop Sink								2"	STUB-UP 3"				N
208A	1	Faucet	1/2"	36"	1/2"	36"									N
209	1	Soiled Dishtable							2"						D

FOODSERVICE PLUMBING SCHEDULE

ITEM	QTY.	DESCRIPTION	COLD WATER		HOT WATER		FILTERED WATER		WASTE CONNECTIONS			GAS CONNECTION			PLUMBING NOTES (SEE SCHEDULE NOTES)
			SIZE	HT.	SIZE	HT.	SIZE	HT.	IW SIZE	DW SIZE	DW HT.	SIZE	HT.	MBTU	
209A	1	Pre-Rinse Faucet w/ Faucet	1/2"	14"	1/2"	14"									
210	1	Warewasher, Door Type, High Temp	1/2"	14"	1/2"	14"			2"						D, E, N
211	1	Clean Dishtable w/ 3 Compartment Sink							(3) 2"						D
211A	1	Pre-Rinse Faucet w/ Faucet	1/2"	14"	1/2"	14"									
211B	1	Faucet	1/2"	14"	1/2"	14"									
216	1	Hand Sink w/ Side Splashes	1/2"	14"	1/2"	14"				1-1/2"	21"				
217	1	Work Table w/ Sink							2"						D
217A	1	Faucet	1/2"	14"	1/2"	14"									
300	1	Exhaust Hood													P
300A	1	Fire Suppression System													P
301	1	Combi Oven					1/2"	50"	2"			3/4"	30"	152.0	B, D, F, G, Filtered water provided by #301A
301A	1	Water Filter	1/2"	96"											B, Providing filtered water to #301
302	2	Fryer - 40lb.										3/4"	30"	122.0	G
306	1	6-Open Burners - with Convection Oven										1"	30"	255.0	G
312	1	Hand Sink w/ Side Splashes	1/2"	14"	1/2"	14"				1-1/2"	21"				
401A	1	Walk-In Cooler - Evaporator Coil							3/4"						L
404A	1	Walk-In Freezer - Evaporator Coil							3/4"						L
407A	1	Walk-In Beer Cooler - Evaporator Coil							3/4"						L
412	1	Bag-In Box w/ CO2	1/2"	72"											N

GREAT LAKES CULINARY DESIGNS

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1	01/15/25	ISSUED FOR CONSTRUCTION

PROJECT:

Mattison's City Grille

6000 Airport Cir, Sarasota, FL 34243

SHEET TITLE:

FOODSERVICE EQUIPMENT PLUMBING COORDINATION PLAN

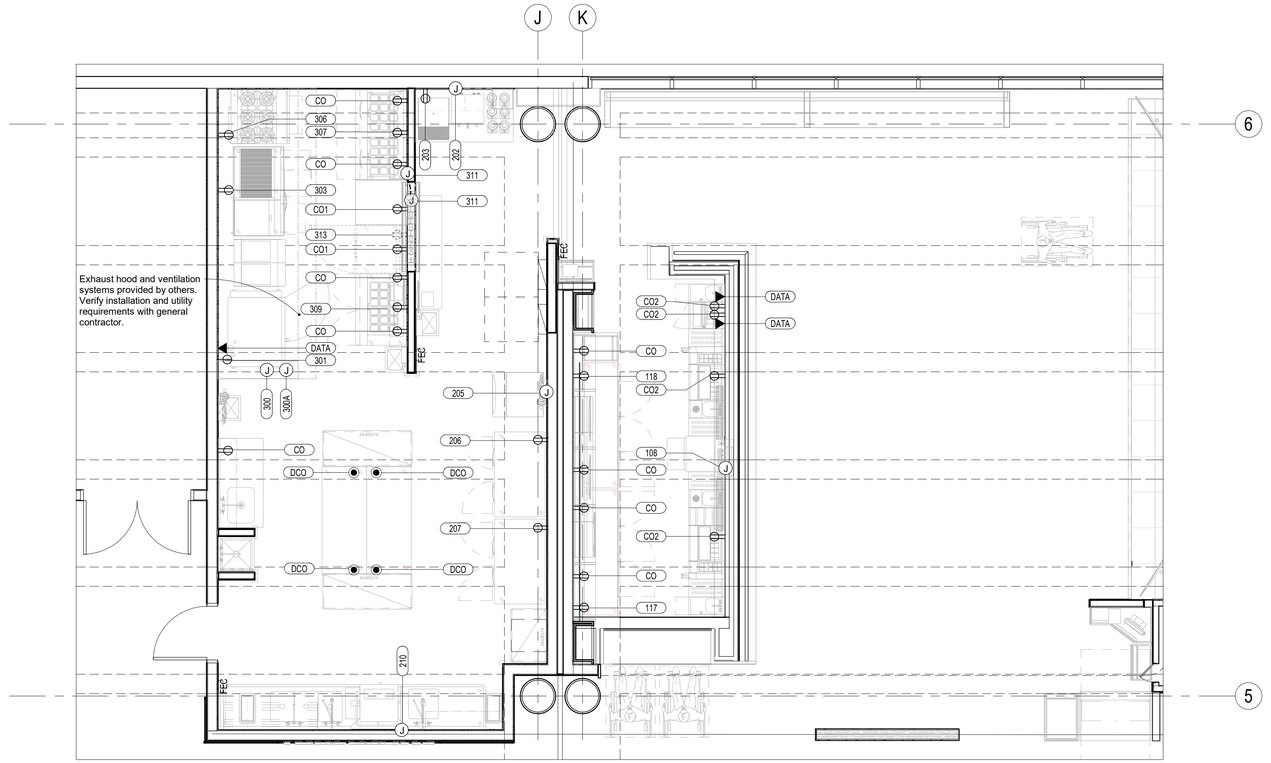
SCALE:	1/4" = 1'-0"
DESIGNER:	LE
DESIGN TECH:	AA
DATE:	08-05-2024

PROJECT NUMBER:

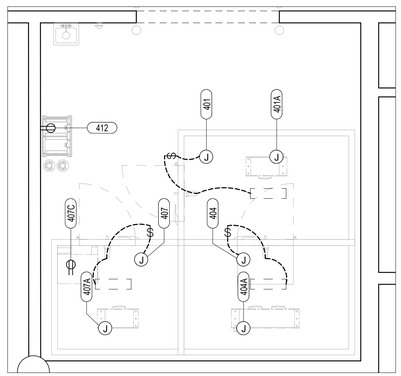
CD-0160

SHEET NO:

FS2.0



1 FOODSERVICE ELECTRICAL COORDINATION PLAN - KITCHEN
1/4" = 1'-0"



2 FOODSERVICE ELECTRICAL COORDINATION PLAN - BASEMENT
1/4" = 1'-0"

ELECTRICAL LEGEND

(J)	JUNCTION BOX	FP	FIRE PULL BOX
	FIELD CONN. BY ELEC. CONT.	JB	JUNCTION BOX
(J)	FIELD CONNECTION	BP	BREAKER PANEL
	DUPLEX RECEPTACLE (DR)	LC	LOAD CENTER
	SINGLE RECEPTACLE (SR)	CO	CONV. OUTLET - 120 VOLT, 20A, 50" AFF
◉	DROP CORD OUTLET (DCO)	CO1	CONV. OUTLET - 120 VOLT, 20A, 43" AFF - MOUNT HORIZONTALLY
◎	FLOOR MOUNTED OUTLET, FLUSH W/ FINISHED FLOOR (FMO)	CO2	CONV. OUTLET - 120 VOLT, 20A, 38" AFF - MOUNT HORIZONTALLY
$	SWITCH	CO3	CONV. OUTLET - 208 VOLT, 1 PH, 20A, 50" AFF
CIR.	CIRCUIT	CO4	CONV. OUTLET - 208 VOLT, 1 PH, 20A, 24" AFF
DR	DUPLEX RECEPTACLE	DCO	DROP CORD OUTLET - 120 VOLT, 20A, SR, 72" AFF
DFA	DOWN FROM ABOVE	DCO2	DROP CORD OUTLET - 120 VOLT, 20A, SR, 50" AFF
		▲	DATA & TELEPHONE OUTLET

FOODSERVICE ELECTRICAL SCHEDULE

ITEM	QTY	DESCRIPTION	CONN. TYPE	VOLTS	PHASE	AMPS	HP	KW	HT. AFF	ELECTRICAL NOTES (SEE SCHEDULE NOTES)
108	1	Heat Recovery Glasswasher	DIRECT	208	1	32.0			24"	D, MOPD: 40 Amp
117	1	Back Bar Cooler	5-15P	120	1	2.8	1/3		12"	
118	1	Back Bar Cooler	5-15P	120	1	2.7	1/3		12"	
202	1	Coffee Brewer	DIRECT	120/208	1	30.0			50"	D
203	1	Soda Dispenser	5-15P	120	1	15.0 CIR			50"	D
205	1	Ice Maker w/ Bin	DIRECT	208	1	15.0 CIR			72"	
206	1	Freezer, Reach-In	5-15P	120	1	9.4	1/2		90"	
207	1	Refrigerator, Reach-In	5-15P	120	1	8.1	1/3		90"	
210	1	Warewasher, Door Type, High Temp	DIRECT						24"	D
300	1	Exhaust Hood	DIRECT	120	1	15.0 CIR			DFA	R
300A	1	Fire Suppression System	DIRECT	120	1	15.0 CIR			DFA	R
301	1	Combi Oven	CORD & PLUG	208	1	15.0 CIR		1.5	50"	
303	1	Griddle Stand, Refrigerator	5-15P	120	1	4.2	1/4		24"	
306	1	6-Open Burners - with Convection Oven	5-15P	120	1	5.9			24"	
307	1	Sandwich Unit, Refrigerated	5-15P	120	1	5.7	1/3		24"	
309	1	Sandwich Unit, Refrigerated	5-15P	120	1	4.8	1/4		24"	
311	1	Heat Lamp	DIRECT	120	1	9.2			72"	Electrical trades to rough power out of wall, and interconnect to heat lamp.
313	1	Worktop Freezer	5-15P	120	1	4.8	1/4		24"	
401	1	Walk-In Cooler	DIRECT	120	1	20.0 CIR			DFA	F
401A	1	Walk-In Cooler - Evaporator Coil	DIRECT	120	1	0.8			DFA	
401B	1	Walk-In Cooler - Refrigeration System	DIRECT	208	1	7.0	1/2		VERIFY	MOPD: 15 Amp
404	1	Walk-in Freezer	DIRECT	120	1	20.0 CIR			DFA	F
404A	1	Walk-In Freezer - Evaporator Coil	DIRECT	208	1	9.8			DFA	
404B	1	Walk-In Freezer - Refrigeration System	DIRECT	208	3	10.1	1.5		VERIFY	MOPD: 15 Amp
407	1	Walk-In Beer Cooler	DIRECT	120	1	20.0 CIR			DFA	F
407A	1	Walk-In Beer Cooler - Evaporator Coil	DIRECT	120	1	0.8			DFA	
407B	1	Walk-In Beer Cooler - Refrigeration System	DIRECT	208	1	7.0	1/2		VERIFY	MOPD: 15 Amp
407C	1	Beer Line Chiller	5-20P	120	1	12.5			DFA	
412	1	Bag-In Box w/ CO2	5-15P	120	1	15.0			72"	D

ELECTRICAL REQUIREMENTS NOTES:

General Electrical Notes:

1. Drawing indicates electrical rough-in requirements for each item of food service equipment and does not indicate utility rough-in locations. This drawing is intended to coordinate electrical requirements for food service equipment with the electrical engineer. The design of systems to accommodate these requirements is the responsibility of others and is to be in accordance with all applicable codes and meet with the approval of all governing authorities.

2. The requirement for electrical voltages and phases is as follows: 120, 120/208, 208, 480 volt, single and three phase. The Electrical Engineer shall verify that the voltages and phases listed in the connection schedule can be accommodated.

3. Utilities shown are for items of food service equipment only and this drawing must be used in conjunction with the electrical drawings for other required utilities. Requirements shown for Owner provided equipment are estimates, verify connections with Owner or Owner's Vender.

4. Utilities are to be concealed in walls and stubbed out of walls at required location. Do not stub out of floor and run exposed on the face of the wall.

5. Disconnects, if required, for food service equipment are furnished and installed by the Electrical Trade.

6. After installation of the food service equipment, final connection to service lines by Electrical Trade. All wiring and conduit from rough-in location to equipment by Electrical Trade. All electrical components furnished by the Foodservice Equipment Contractor shall be installed by the Electrical Trade during the final installation.

7. The Electrical Trade shall provide all wiring and conduit required for the installation of components furnished by the Foodservice Equipment Contractor.

8. The Electrical Trade shall provide all receptacles and junction boxes mounted in ceilings, walls, partitions, and floors.

9. Stub-out heights are to be measured from the finished floor, not from curbs or pads, to the center line of the stub-out. Stub-outs shall extend 4" beyond walls.

10. General Contractor is to furnish and install wall and floor sleeves. Floor sleeves shall be watertight and 1" above finished floor. Sleeves through pads and curbs are to be flush. Seal sleeve openings watertight.

11. Point of sale equipment and its utility connections, including electrical, data, isolated grounds, cabling and conduits, are not part of the Foodservice equipment scope and must be coordinated with the Owner and the Owner's Vendor. Any information contained in this drawing set is an estimate and should be used for reference only.

12. Electrical Contractor is to provide and install beverage line conduit. See special conditions sheet for notes and details on conduits.

Walk-in Refrigerator/Freezer and Refrigeration Systems:

13. Conduits for beverage and refrigeration systems by Electrical Trade shall be watertight with 24" minimum radius at bends. Each line run shall have a maximum of three bends.

14. Electrical Contractor to provide all wiring from condensers to evaporator coils & final power connections to condensers and evaporator coils as required.

15. Electrical contractor to provide all required field connections, wiring and final service connections to walk-in refrigerators and freezer condensers, evaporator coils, light fixtures, temperature alarms, heat tape, door heat and vent provided by Food Service Equipment Contractor. All conduit and interconnections shall be run on top of the walk-in with penetrations through the ceiling at connection locations.

ELECTRICAL SCHEDULE NOTES:

Note: Schedule notes pertain to individual items as indicated in the electrical schedule.

A. Electrical Trades to provide conduit & wire time delay relay, solenoid valve and control panel for disposer.

B. Existing equipment to be reused - FSEC to verify requirements & location with Owner.

C. Owner provided equipment - FSEC to verify requirements & location with Owner or Owner's vendor.

D. Equipment item N.I.C. - FSEC to verify utility requirements & location.

E. Electrical Trades to provide & connect power to the demand defrost controller located on evaporator coils.

F. Power for lights, alarm, door heat and heat tape.

G. Coordinate exact interconnections between exhaust hood, MUA unit and exhaust fans with manufacturer's shop drawings.

H. Coordinate exact interconnections between exhaust hood, fire suppression system and building alarm system with exhaust hood and fire suppression system manufacturer's shop drawings.

I. Electrical trades to provide interconnection from dish machine exhaust fan and vent fan control on dish machine. Fan to activate when dish machine is started and turn off when dish machine stops.

J. Electrical Trades to coordinate and provide data requirements and final termination point for POS system with Owner.

K. Provide minimum 20 amp. circuit for this equipment.

L. Electrical Trades to interconnect table limit switch provided by FSEC with dish machine.

M. Interconnect this equipment with building emergency power.

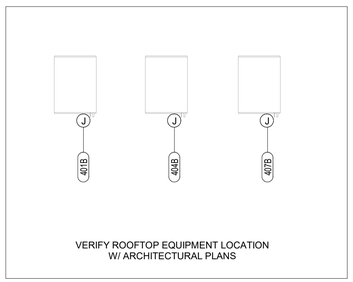
N. Electrical Trades to stub-up power, provide conduit, wiring and receptacle to/in each empty j-box provided within counter to support FSEC provided equipment items to be installed in or on counter.

O. Item to be installed in cabinet base, coordinate space and access with General Contractor.

P. Electrical Trades to provide 120V receptacle, low voltage wiring and network connection on top of walk-in box near access panel for Kolpak's Arctic Fox Controller (or similar monitoring system). Verify exact requirements with manufacturer's approved shop drawings.

Q. Provide 3-wires plus ground.

R. Equipment item N.I.C. - Verify utility requirements & location with General Contractor.



3 ROOFTOP EQUIPMENT ELECTRICAL PLAN
1/4" = 1'-0"

GREAT LAKES CULINARY DESIGNS
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1	01/15/25	ISSUED FOR CONSTRUCTION

PROJECT:

Mattison's City Grille

6000 Airport Cir, Sarasota, FL 34243

SHEET TITLE:

FOODSERVICE EQUIPMENT ELECTRICAL COORDINATION PLAN

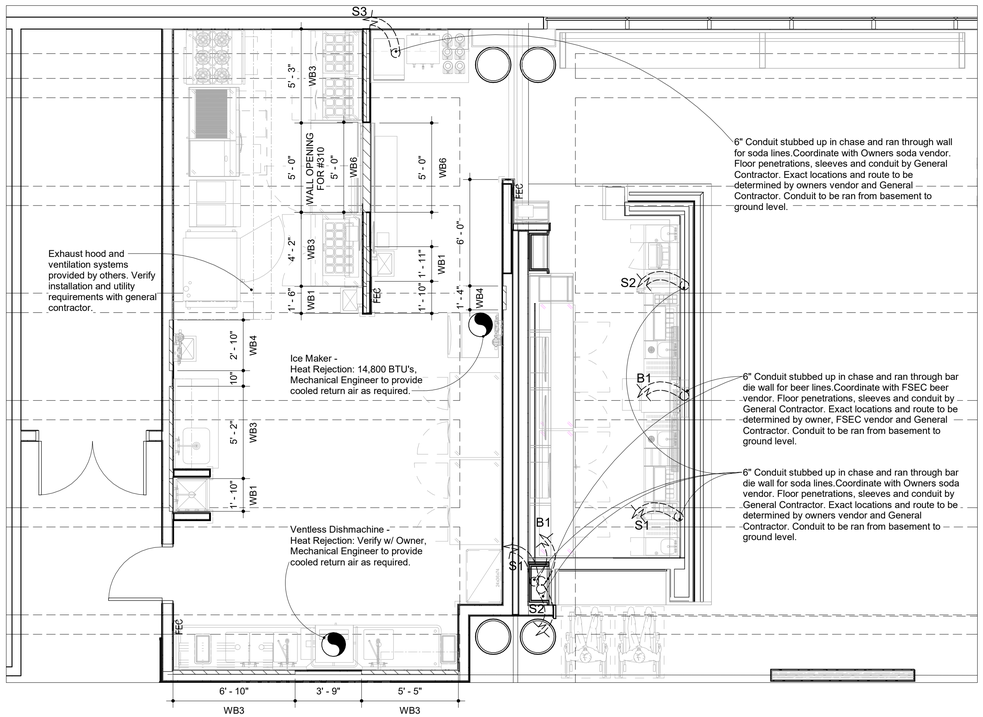
SCALE:	1/4" = 1'-0"
DESIGNER:	LE
DESIGN TECH:	AA
DATE:	08-05-2024

PROJECT NUMBER:

CD-0160

SHEET NO:

FS2.1



1 FOODSERVICE SPECIAL CONDITIONS PLAN
1/4" = 1'-0"

SPECIAL CONDITIONS NOTES:

General Construction:

1. General Contractor to furnish and install wall and floor sleeves as well as watertight conduits for beverage and refrigeration systems. Floor sleeves shall be watertight and extend 2" above finished floor. Sleeves through pads and curbs to be flush. Seal sleeve openings watertight.

2. General water pressure in kitchen shall not exceed 75 PSI, dishwasher, or glasswasher to be at 25 PSI maximum. General Contractor to furnish and install pressure reducing valves as required.

3. General Contractor shall be responsible for removing, reinstalling, repairing, or replacing existing acoustical, gypsum, or other ceilings, walls or floors as required for the performance of work.

4. General Contractor is responsible for compliance with all local and national codes.

5. Cooking equipment items list as "Ventless" may not require a Type 1 or Type 2 exhaust hood that vents to the outside, however, these items still produce heat, moisture and oders that will need to be accounted for in the mechanical design. Mechanical engineers must provide appropriate air changes and tempered air to off-set heat and moisture gain from equipment.

6. Food Service Equipment Contractor to provide and install Caster Positioning Chock for each item of cooking equipment located under exhaust hood.

Walk-in Refrigerator/Freezer and Refrigeration Systems:

7. Allow a minimum of 2" clearance between walk-in and building walls.

8. Building floors must be transit level. The area in which the walk-in is set must be square to allow min. Of 1" clearance around entire perimeter of walk-in.

9. If shimming of the floor panels is required, the walk-in floor must be leveled from the highest point. Shims must extend under the entire section and must be used at the edges and the floor seam shims must not exceed 12" on centers.

10. If the walk-in floor panels are to be set in a recessed slab, sand may be used to shim the floor to the appropriate height. Use 500 mil polyethylene between the sand and the walk-in floor. Overlap a minimum of 6" at the edges.

11. If floor panels are placed directly on the concrete building floor, use a layer of 50 lb. asphalt paper between the building floor and floor panels.

12. If concrete or quarry tile is to be installed after the erection of the walk-in, doors are to remain open until concrete or grout have cured. Wall panels are to be protected by 5 mil polyethylene taped to the walls.

13. In freezer compartments, all ceiling, wall, and floor panels are to be sealed with NSF listed, USDA approved sealant, such as Dow Corning RTV 732 or equal, clear or aluminum. Seal all joints prior to refrigeration start-up.

14. Do not energize door panel until refrigeration is operational.

15. If local code permits, use UL listed PVC conduit for electrical connections.

16. All penetrations through the walk-in panels must be made a minimum of 6" away from the locking devices. Verify with the specific manufacturer's directions.

17. Condensing units located outdoors to include low ambient controls, weather housing, and welded stainless steel rack.

18. All penetrations for conduit, piping, light fixtures, etc. Are to be sealed airtight by Food Service Equipment Contractor

19. Condensing units are to be set level and anchored. Condenser should be no closer than 18" to any obstruction. Do not restrict the air-in side or air-out side; multiple units should be located so discharged air from one unit is not directed into the intake side of another unit. Units located indoors must have an adequate supply of air and a means of exhaust to prevent heat build-up.

20. Mount coils level. Where possible, the air-in side should be minimum of 12" from the structure wall. Coil is to be mounted facing exterior door and air discharge should not be directed toward interior partition freezer doors. Mount coils using 3/8" nylon all-thread rods, nuts, and washers. Silicone seal penetrations for all-thread.

21. Piping is to be refrigeration grade, copper type "k" or "l". Soldered joints are to be made using only silver bearing hard solder. During brazing operations, a small amount of nitrogen should be bled into the piping. Keep all tubing free of metal chips, foreign matter, and moisture during installation.

22. Suction line piping to be installed with 1/2" per 10' slope toward the compressor. When the condenser is located above the coil, install an oil trap in the suction line before the first rise. Additional oil traps should be installed for each 20' of rise or per the manufacturer's recommendations. Insulate suction lines with a minimum of 1/2" thick tube insulation such as rubatex or armaflex.

23. The liquid line is to be installed in such a manner as to avoid excessive pressure drops. Liquid line solenoid valve is to be installed ahead of the expansion valve.

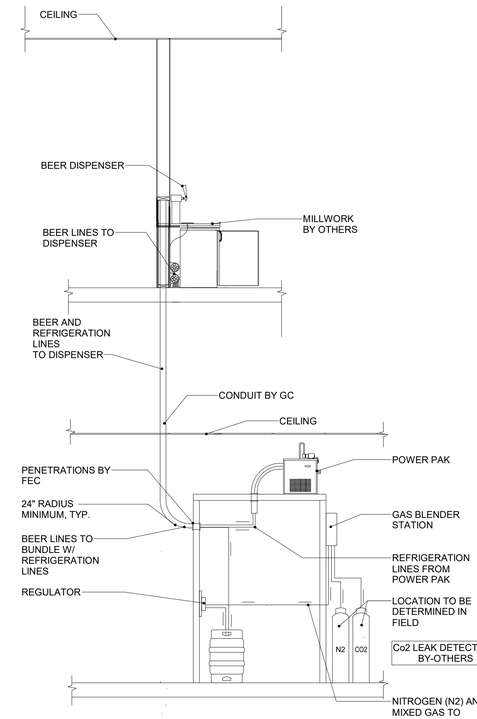
24. The entire system is to be leak tested and evacuated per local codes and the manufacturer's recommendations.

25. Evaporator coil drain is to be piped with type "l" copper pipe. Drain line is to be pitched 1/4" per foot. P-trap is to be installed on the exterior of the structure. Freezer drain line to be wrapped with drain line heater with a minimum of 80 watts per linear foot and installed with a minimum 1/2" thick tube. Insulation drain line heater that is to be rated the same voltage as freezer evaporator unit.

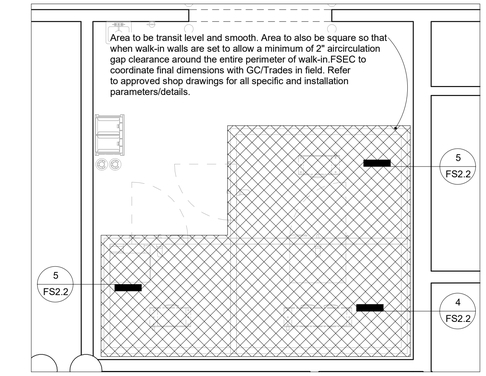
26. Refrigeration piping from refrigeration coils to condensers and indirect waste lines from coils to drains are provided under the Foodservice Equipment Contractor's refrigeration scope. Evaporator waste lines shall have a 4/12 pitch toward drain and be provided with a P-trap at the floor sink.

27. Foodservice Equipment Contractor is to provide & install stainless steel closure panels and trim at points where walk-in structure is adjacent to walls and ceiling.

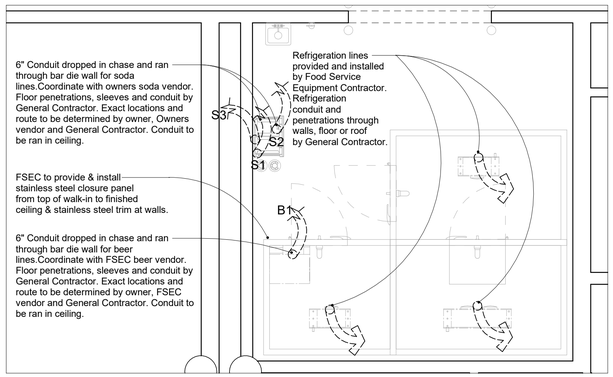
28. Refrigeration roof support curbs or rails are provided by FSEC. Installation of Curb/rails, Structural reinforcing, roof penetrations and flashing to accommodate refrigeration systems installation is the responsibility of the General Contractor.



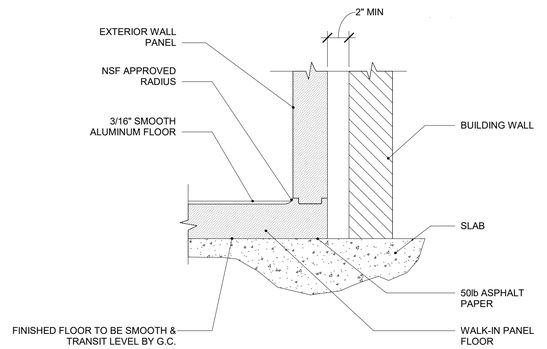
6 BEER LINE DETAIL
N.T.S



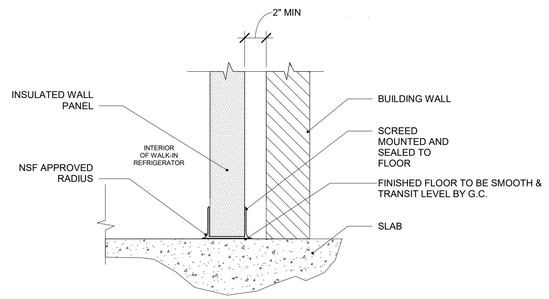
3 FOODSERVICE SPECIAL CONDITIONS PLAN - BASEMENT - WALK-IN
1/4" = 1'-0"



2 FOODSERVICE SPECIAL CONDITIONS PLAN - BASEMENT
1/4" = 1'-0"



4 WALK-IN W/FLOOR DETAIL
N.T.S.



5 WALK-IN WALL PANEL AT FLOOR
N.T.S.

WALL BACKING SCHEDULE	
TAG	DESCRIPTION
WB1	CODE COMPLIANT 3/4" PLYWOOD WALL BACKING TO BE FROM 24" - 72" AFF
WB2	CODE COMPLIANT 3/4" PLYWOOD WALL BACKING TO BE FROM 12" - 48" AFF
WB3	CODE COMPLIANT 3/4" PLYWOOD WALL BACKING TO BE FROM 36" - 96" AFF
WB4	CODE COMPLIANT 3/4" PLYWOOD WALL BACKING TO BE FROM 72" AFF - FINISHED CEILING
WB5	CODE COMPLIANT 3/4" PLYWOOD WALL BACKING TO BE FROM 48" - 72" AFF

SITE ASSEMBLED WALK-IN COOLER & FREEZER - ENERGY CODE COMPLIANCE:

1. Walk-ins to be equipped with automatic door closers to close with-in 1" of full closure except doors wider than 3'9" & taller than 7'.

2. Walk-in doors to have spring hinged secondary doors to minimize infiltration when insulated doors are open.

3. Walk-in cooler to have minimum R-28 wall, ceiling & door insulation. Walk-in freezers shall have minimum of R-32 wall, ceiling & door insulation. Exception: Glazing in doors & Structural members.

4. Walk-in freezer floors shall have a minimum of R-28 insulation rating.

5. Evaporator fan motors less than 1hp & less than 460 volts shall use ECM Motors (electrically commutated motors) (brushless direct-current motors).

6. Lights shall have an efficacy of 40 lm/w or more including ballast losses. Lights with an efficacy less than 40 lm/w including ballast losses will only be used with a timer or device that turns off the lights within 15 minutes of when the walk-in cooler/freezer is not occupied.

7. Transparent reach-in doors for walk-in freezers, and windows in in walk-in freezer doors shall be triple pane or double pane with reflective glass and be filled with an inert gas or heat -reflective glass.

8. Transparent reach-in doors for walk-in coolers, and windows in in walk-in coolers doors to be double-pane with heat treated reflective glass and gas filled or triple-pane filled with an inert gas or heat-reflective treated glass.

9. Anti-sweat heater with-out antisweat heater controls to have a total door rail, glass and frame heater power draw of <= 7.1 w/sq. ft for door openings for walk-in freezers and <=3.0 w/sq.ft of door opening for walk-in coolers.

10. Antisweat heater controls shall reduce energy use as a function of relative humidity outside the door or to the condensation on the glass.

11. Condenser fan motors less than 1 hp shall use ECM or split capacitor, or 3 phase type motors.

12. All walk-in freezers shall incorporate temperature based defrost termination control with time limit default. The defrost cycle shall terminate first on temperature limit breach and second on time limit breach.

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#	DATE:	DESCRIPTION:
1	01/15/25	ISSUED FOR CONSTRUCTION

PROJECT:

Mattison's City Grille

6000 Airport Cir, Sarasota, FL 34243

SHEET TITLE:

FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN

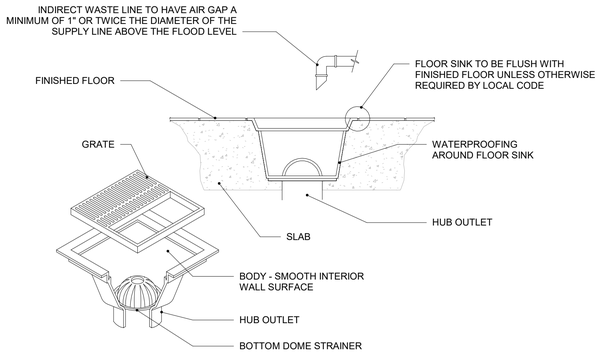
SCALE:	N.T.S
DESIGNER:	LE
DESIGN TECH:	AA
DATE:	08-05-2024

PROJECT NUMBER:

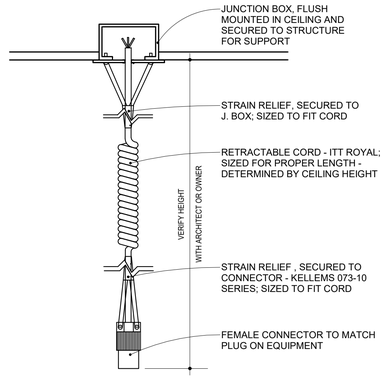
CD-0160

SHEET NO:

FS2.2

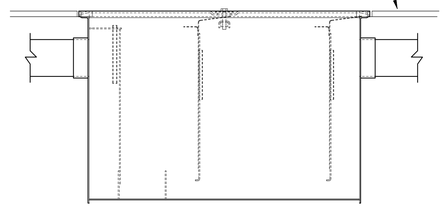


1 FLOOR SINK FLUSH W/ FLOOR DETAIL
N.T.S.



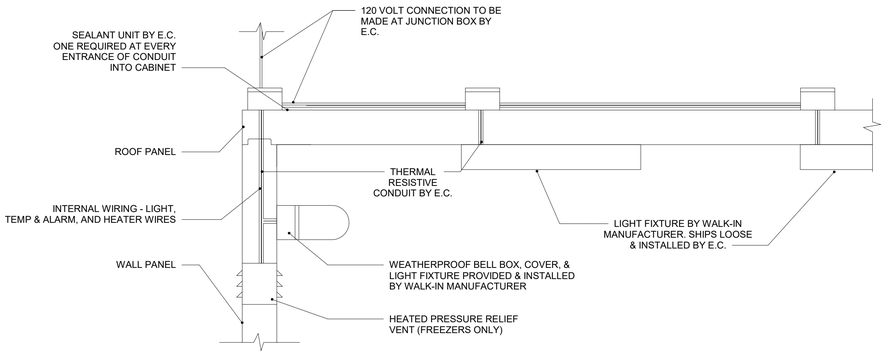
2 DROP CORD OUTLET
N.T.S.

If located in the kitchen, units are to be recessed, flush with top of finished floor and removal of cover shall not interfere with the operation of equipment items. If recessing the grease interceptor is not possible coordinate proposed location with GLCD to prevent conflicts with foodservice equipment.

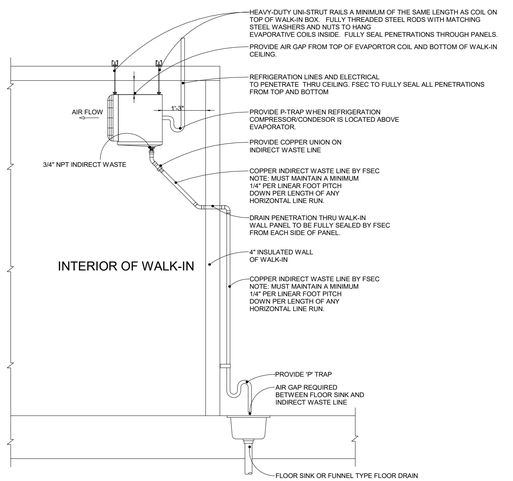


The need for a grease or solid waste interceptor and its size is to be determined by the Architect and Mechanical Engineer & installed by Mechanical Trade.

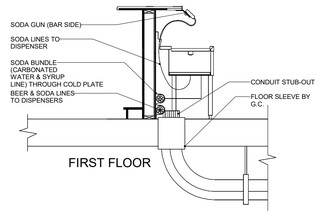
3 GREASE INTERCEPTOR - BY OTHERS
1 1/2" = 1'-0"

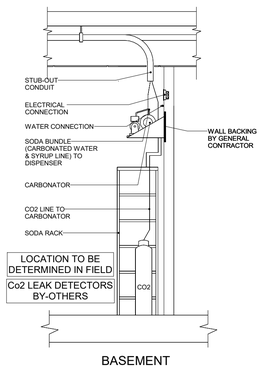


4 WALK-IN ELECTRICAL DETAIL - TOP CONDUIT
N.T.S.

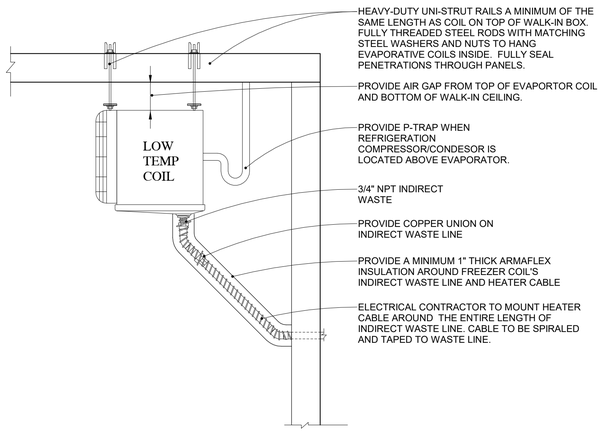


5 EVAPORATOR DETAIL
1/4" = 1'-0"

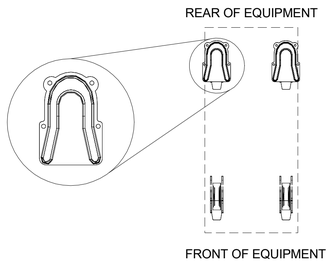




8 SODA CONDUIT DETAIL
1/4" = 1'-0"



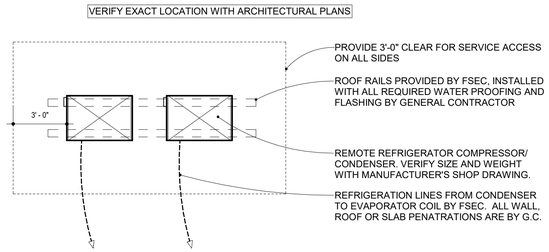
6 FREEZER CONDENSATE DETAIL
N.T.S.



7 WHEEL CHOCK INSTALLATION DETAIL
1/2" = 1'-0"

Krowne Metal #28-200 (or Equal) Positioning Chock Notes:

1. Chocks are to comply with NFPA Codes 17A (5.6.4) and 96 (12.1.2.3).
2. Chock are to be all stainless steel construction to not rust or corrode.
3. FSEC to supply and install positioning chocks. Chocks are to be placed under the rear casters for any movable equipment under exhaust hoods or as noted on plans.
4. FSEC to coordinate equipment location with fire suppression installer to ensure caster positing chocks are placed to allow equipment to be placed exactly where needed for proper fire suppression system coverage
5. FSEC to use a 3/8" bit to drill 3/4" through each point (four locations per chock) and install supplied anchor flush with finished floor prior to final instillation of chock.
6. FSEC to apply silicone sealant around the bottom exterior of chock to ensure chock has proper seal to floor.
7. FSEC to coordinate with GC/Trades to ensure any waterproof floors are kept intact while installing and positioning chucks.
8. See installation manual for further details on proper installation of caster positioning chock.



9 REMOTE REFRIGERATION SYSTEMS (2) - ON ROOF
N.T.S.

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#	DATE:	DESCRIPTION:
1	01/15/25	ISSUED FOR CONSTRUCTION

PROJECT:

Mattison's City Grille

6000 Airport Cir, Sarasota, FL 34243

SHEET TITLE:

FOODSERVICE EQUIPMENT UTILITY COORDINATION DETAILS

SCALE:	As indicated
DESIGNER:	LE
DESIGN TECH:	AA
DATE:	08-05-2024

PROJECT NUMBER:

CD-0160

SHEET NO:

FS2.3