RESPONSIBILITIES

RSW- KLB

	NOT APPLICABLE	EXISTING	LANDLORD SUPPLY	LANDLORD INSTALL	GENERAL CONTRACTOR SUPPLY	GENERAL CONTRACTOR INSTALL	SEC CONTRACTOR (S.C.) HIRD BY OWNER SUPPLY	SEC CONTRACTOR (S.C.) HIRD BY OWNER INSTALL	TENANT (INDOR (PARADIES LAGARDERE) SUPPLY	TENANT (INDOR (PARADIES LAGARDERE) INSTALL	MILLWORK (FUTURE CONTRACTOR (M.C.) HIRED BY OWNER SUPPLY	MILLWORK (FUTURE CONTRACTOR (M.C.) HIRED BY OWNER INSTALL	REMARKS
GENERAL:													
BUILDING AND/ OR HEALTH PERMIT						●							PERMIT HAS BEEN APPLIED FOR. G.C. TO PICK UP WHEN APPROVED.
OTHER PERMITS, FEES, INSURANCE						●							
CLEAN-UP & FINAL CLEANING						●							
TRASH REMOVAL & DUMPSTER						●							MUST EMPTY NIGHTLY
FLOOR- STRUCTURAL	●												ANY REPAIRS OR FLOOR LEVELING BY G.C. STRUCTURAL INSPECTION REQ'D. G.C. TO COORD
TEMPORARY BARRICADES & DOORS						●							
TEMPORARY BARRICADE GRAPHICS							●						G.C. TO BUILD, PRIME, PAINT, AND OFF-GAS, THEN INSTALL SC PROVIDED GRAPHICS
GENERAL CONDITIONS:													
DEMOLITION						●	●						SEE D-1
CORE DRILLING/ TRENCHING OF EXISTING SLAB- XRAY OR GPR						●	●						COORDINATE SLAB PENETRATIONS WITH AIRPORT AND STRUCTURAL INSPECTOR
CARPENTRY, ROUGH & FINISH						●	●						
BLOCKING & FURRING						●	●						
DEMISING PARTITION STUDS	●					●	●						PROVIDE ONLY WHERE NEEDED FOR PATCH/ REPAIR TO MAINTAIN RATING
DEMISING PARTITION GWB	●					●	●						PROVIDE ONLY WHERE NEEDED FOR PATCH/ REPAIR TO MAINTAIN RATING
INTERIOR GWB, METAL STUDS, ETC.						●	●						
EXPANSION JOINT COVERS (FLOOR, WALL, AND CEILING)	●												PROTECT FOR REUSE WITH NEW FINISHES
DOORS, DOOR FRAMES						●	●						
DOOR HARDWARE						●	●						
CEILING GWB & METAL FRAMING						●	●						
ACOUSTIC CEILING TILES & T-BAR SYSTEM						●	●						
FLOORING TRANSITION STRIP, ADHESIVES, ETC.						●	●						
TENANT TILE/ FLOORING (SEE FLOOR COVERING PLAN)									●				C ONTACT LESLIE DEAN, QUATERTURN GROUP, T. 770-843-0147
TILE GROUT						●	●						
FLOOR PREPARATION						●	●						REMOVE OLD ADHESIVE, LEVEL AS REQUIRED.
PAINTING						●	●						
SURFACE MTD. WALL STANDARDS	●												
STOREFRONT LIGHTED SIGNS							●	●					FINAL ELEC CONNECTION BY G.C. ESCORT AND COORDINATION BY G.C.
STOREFRONT BLADE SIGN ASSEMBLY							●	●					FINAL ELEC CONNECTION BY G.C. ESCORT AND COORDINATION BY G.C.
ENVIRONMENTAL GRAPHICS							●	●					G.C. TO PROVIDE PROPER LEVEL WALL FINISH. ESCORT AND COORDINATION BY G.C.
STOREFRONT SYSTEM & GLAZING	●												
STOREFRONT SECURITY GATE									●	●			ESCORT OWNERS CONSULTANT AND COORDINATION BY G.C.
SECURITY GATE, FRAMING, BLOCKING, BRACING, COORDINATION						●	●						ESCORT AND COORDINATION BY G.C MILLWORK CLOSET DOOR BY MC.
STOREFRONT/ GATE POCKET						●	●						WALL CONSTRUCTION TO FORM GATE POCKETS BY G.C.
FIRE EXTINGUISHERS						●	●						NEW- SEE A-1
ESCORTING AND COORDINATION WITH ALL OWNER VENDORS						●	●						MILLWORKERS, A/V CONSULTANT, SIGN INSTALLERS, ETC.
MECHANICAL: (REFER TO MECHANICAL DRAWINGS)													
VAV UNITS (OR FCU)	●												CLEAN, REPAIR, MAINTAIN BY G.C. IF INCREASE CAPACITY REQUIRED
HVAC DISTRIBUTION-DUCTWORK, DIFFUSERS, FILTER CHANGE						●	●						SEE MEP DRAWINGS.
SUPPLY AIR DUCT						●	●						SEE MEP DRAWINGS.
AIR BALANCES						●	●						PROVIDE TAB REPORT
RETURN AIR GRILLES AND/ OR DUCTS						●	●						ALL NEW. SEE MEP
SMOKE DETECTION, STROBES, HORNS						●	●						G.C. TO HIRE LICENSED CONTRACTOR TO PROVIDE DRAWINGS AND PERMIT.
FIRE SPRINKLER SHUT-OFF						●	●						COORDINATE WITH AIRPORT
SPRINKLER SYSTEM MODIFICATION, DRAWINGS & EXTENSION						●	●						G.C. TO HIRE LICENSED CONTRACTOR TO PROVIDE DRAWINGS AND PERMIT.
SPRINKLER MAIN STUBBED TO PREMISES	●												
SPRINKLER GRID & HEADS IN PREMISES	●					●	●						SYSTEM REVISIONS REQUIRED TO COMBINE RESTAURANT WITH RETAIL SPACE
CHILLED & HOT WATER LINES, METER	●					●	●						ANY WORK REQUIRED TO MOVE SYSTEMS
THERMOSTATS						●	●						NEW REQUIRED. SEE MEP
EXHAUST HOOD SUPPLY EQUIPMENT AND DUCTING						●	●						ALL SYSTEMS NECESSARY FOR EXHAUSTING COOKING VAPORS BY G.C.
EXHAUST HOOD, FAN, CONTROLS, FIRE SUPPRESSION SYSTEM						●	●						ALL SYSTEMS NECESSARY FOR EXHAUSTING COOKING VAPORS BY G.C.
EXHAUST DUCTS, COLLARS, SMOKE DETECTORS						●	●						ALL SYSTEMS NECESSARY FOR EXHAUSTING COOKING VAPORS BY G.C.
ROOF TOP EXHAUST & MUA FANS/ ROOF OPENINGS						●	●						SEE MECH. NEW OPENINGS IN ROOF REQUIRED. COORD WITH STRUCTURAL INSPECTOR
ROOFING MEMBRANE REPAIR/ WARRANTY						●	●						G.C. TO USE AIRPORT SPECIFIED ROOFING CONTRACTOR.
NATURAL GAS LINE, METER, PRESSURE VALVES, VENT.MOUNTING, ACCYS	●					●	●						REUSE EXISTING SERVICE- EXTEND TO NEW APPLIANCES
OPEN													OPEN
ELECTRICAL: (REFER TO ELECTRICAL DRAWINGS)													
ELECTRICAL SERVICE TO SPACE/ CONDUIT						●	●						NEW SERVICE FROM LL ELEC. CLOSET.
ELECTRICAL PANELS, DISCONNECT, TIME CLOCK						●	●						ALL NEW. GANG PANELS TOGETHER TO USE A LITTLE WALL SPACE AS POSSIBLE.
WIRING, CIRCUITING, RECEPTACLES, SWITCHES, ETC.						●	●						SEE ELECTRICAL.
SWITCHES AND PROPER WIRING						●	●						
EMERGENCY LIGHTING						●	●						NEW AS REQUIRED. COLOR SPECIFIED IN LIGHTING SCHEDULE
EXIT SIGNS						●	●						NEW AS REQUIRED. COLOR SPECIFIED IN LIGHTING SCHEDULE
LIGHT FIXTURES						●		●					RELOCATE OR NEW AS REQUIRED
LAMPS						●		●					
METER & METER SOCKET	●												
CONDUIT FOR POS SYSTEM						●	●						IF REQUIRED. CORE PER DETAIL ON A-1.1
WIRE PULL FOR POS SYSTEM						●	●						G.C. TO ESCORT OWNERS CONSULTANTS
FINAL ELECTRICAL CONNECTION OF SIGNAGE						●	●						
FIRE ALARM/ SMOKE DETECTORS, CONNECTION AS REQUIRED		●				●	●						INTEGRATE WITH LL LIFE SAFETY SYSTEM. HIRE LICENSED CONTRATOR FOR FA WORK
TELEPHONE BOARD & PLYWOOD BACKER						●	●						
TELEPHONE/ INTERNET CONDUIT TO SPACE & WIRE PULL						●	●						NEW SERVICE FROM I.T. CLOSET TO SPACE REQUIRED
SOUND SYSTEM CONDUIT	●												
SOUND SYSTEM SPEAKERS, WIRE PULL, AND A/V RACK						●	●						G.C. TO INSTALL ALL WIRING. PROVIDE SLACK & LABELING. PROVIDE ESCORT & COORD.
COMPUTER & ROUTER									●	●			
ELECTRICAL TRANSFORMERS						●	●						ALL NEW. HANG PER DETAIL ON A-1.1. COORD WITH STRUCTURAL INSPECTOR
SECURITY CAMERAS						●	●						G.C. TO INSTALL PLENUM RATED WIRING. PROVIDE SLACK & LABELING. PROVIDE ESCORT
SECURITY CAMERA CONDUIT						●	●						ONLY IF REQUIRED
CAT 6 INTERNET CABLING FROM LL I.T. CLOSET & WITHIN LEASEHOLD						●	●						G.C. TO PULL DATA CABLING TO EACH DEVICE AND TERMINATE. FINAL CONNECTION BY OWNER CONSULTANT. G.C. TO PROVIDE ESCORT
IT CABINET & PATCH PANEL						●	●						SEE SHEET A-4.1
OPEN													OPEN
FIXTURES & EQUIPMENT:													
OPEN													
LIGHTS WITHIN MILLWORK AND FEATURES						●			●				FINAL ELECTRICAL CONNECTION OF LIGHTING BY G.C. SEE A-4, A-4.1, AND ELECTRICAL
HOST STAND											●	●	G.C. TO PROVIDE ESCORT FOR OWNER CONSULTANTS
FIXTURE HARDWARE											●	●	G.C. TO PROVIDE ESCORT FOR OWNER CONSULTANTS
OPEN													OPEN
TAKE AWAY COUNTER MILLWORK											●	●	G.C. TO PROVIDE ESCORT FOR OWNER CONSULTANTS
CASH REGISTER/ POS EQUIPMENT									●	●			ELECTRICAL, ESCORT, & COORDINATE WITH OWNERS CONSULTANTS BY G.C.
QUARTZ COUNTERTOPS						●	●						TEMPLATE BAR DIE WALLS AND CABINETS PRIOR TO FABRICATION. COORD. WITH M.C.
OPEN													OPEN
LCD MONITORS AND WALL MOUNT @ STOREFRONT, MENU BOARD, BAR						●			●				CONDUIT, WIRE PULL, AND TERMINATION BY G.C. MONITORS AND MOUNTS BY TENANT
OPEN													OPEN
GRAB-N-GO COOLER						●			●				G.C. TO RECEIVE AT DOCK, TRANSPORT TO SPACE, AND SET COOLERS
RESTAURANT EQUIPMENT UNLESS NOTED OTHERWISE									●	●			G.C. TO PROVIDE ESCORT FOR OWNER CONSULTANTS AND ALL UTILITIES FOR EQUIPMENT.
PVC CONDUIT FOR BEER AND SODA LINES						●	●						SEE A-2 FOR ROUTING INFO. NO FLOOR PENETRATIONS
UNFIXED SEATING, TABLES, RESTAURANT FURNISHINGS						●			●				G.C. TO COORDINATE RECEIPT AND TRANSPORT TO SPACE. ASSEMBLY. SEE A-2
SITE SPECIFIC SPECIAL CONDITIONS:													
LAPTOP BARS (2)									●	●			ELECTRICAL/ USB CHARGING PORTS BY G.C.
WOOD TRELLIS OVER BAR/ TRAPEZE STRUCTURE						●			●	●			G.C TO ERECT TRAPEZE AND ANCHOR TO ROOF DECK, M.C. TO PROVIDE THREADED RODS
SEATING, TABLES, RESTAURANT FURNISHINGS						●			●				G.C. TO RECEIVE AT DOCK, AND TRANSPORT TO SPACE. ANY ASSEMBLY REQUIRED BY G.C.
OPEN						●	●						OPEN
BOAT FEATURE OVER DINING						●			●				BOAT TO BE HUNG FROM STRUCTURE. G.C. TO PURCHASE HANG HARDWARE. SEE A-4.1
3D WALL PROPELLER						●	●						G.C. TO COORDINATE ORDERING/ SHIPPING ADDRESS/ RECEIPT/ INSTALL. SEE A-2
3D AIRPLANE MODELS ON DINING WALLS									●	●			PLANES PROVIDED AND INSTALLED BY UNTAMED VISUALS. HIRED BY TENANT.
GYP 'WATER CLOUD' FEATURE ABOVE BOAT						●	●						G.C. TO PROVIDE SMOOTH GYP SURFACE FOR SC INSTALLED GRAPHIC

KEY PLAN:

CONSTRUCTION DOCUMENTS FOR:

KEYLIME BISTRO

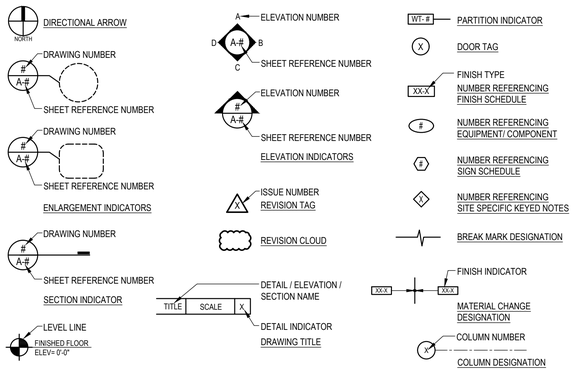
LOCATION:

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
11000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

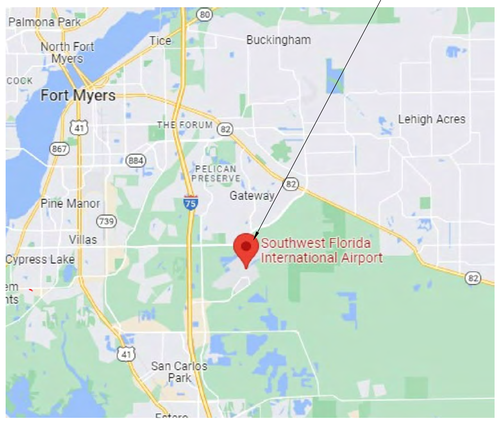
2,895 SQ. FT.
PROJECT #414

95% SUBMITTAL

GRAPHIC SYMBOLS:



VICINITY MAP:



PROJECT MANAGEMENT:

ALL PROJECT INQUIRIES TO: NDS
1301 HIGHTOWER TRAIL
SUITE 125
ATLANTA, GA. 30350
CONTACT: MATT NORRIS
P: 770-817-4111 x1
e-mail: matt@norrisdesign.net

ARCHITECT:

T.M. MORGAN
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
CONTACT: TOM MORGAN
P: 214-893-3188

ENGINEER:

WESTSIDE ENGINEERING
200 GALLERIA PARKWAY
SUITE 1150
ATLANTA, GA 30339
CONTACT: CHRIS ESSLINGER
P: 404-242-6240
E: cesslinger@westside-engineering.com

TENANT:

PARADIES LAGARDERE
2849 PACES FERRY ROAD
OVERLOOK I, 4TH FLOOR
ATLANTA, GA 30339
CONTACT: RICHARD FOREMAN
P: 404.494.3350
E: richard.foreman@paradies-na.com

LANDLORD/OWNER:

LEE COUNTY PORT AUTHORITY (OWNER)
11000 TERMINAL ACCESS ROAD, STE 8671
FT. MEYERS, FL. 33913
CONTACT: TRACY JAMES, TENANT IMPROVEMENT MGR.
P: 239-590-4607
E: tmjames@flylcpa.com

BLDG DEPT. JURISDICTION:

LEE COUNTY BUILDING PERMIT SERVICES
1500 MONROE STREET
FT. MEYERS, FL. 33901

FOOD SAFETY:

FLORIDA D.B.P.R.
DIVISION OF HOTELS AND RESTAURANTS
2601 BLAIR STONE ROAD
TALLAHASSEE, FL 32399
P: 850 - 487 - 1395
E: dhr.planreview@myfloridalicense.com

SCOPE OF WORK:

RENOVATION OF EXISTING RETAIL STORE AND RESTAURANT WITHIN EXISTING AIRPORT TERMINAL. DEMOLITION OF ALL FINISHES, FIXTURES, AND EQUIPMENT TO LEAVE A BROOM SWEPT SHELL. REMOVAL OF ONE DEMISING WALL BETWEEN SPACES TO CREATE ONE CONTIGUOUS SPACE. INSTALLATION OF NEW ELECTRICAL, PLUMBING, FINISHES, FOOD SERVICE EQUIPMENT, AND MILLWORK TO OPERATE NEW RESTAURANT. EXISTING MECHANICAL HVAC EQUIPMENT TO BE REUSED. ALL SPRINKLER AND LIFE SAFETY EQUIPMENT TO BE PROTECTED, TESTED, AND REUSED, IF POSSIBLE.

CODE REQUIREMENTS:

BUILDING:	FLORIDA BUILDING CODE, EXISTING, 8TH EDITION (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE
MECHANICAL:	FLORIDA BUILDING CODE, MECHANICAL (2023)
PLUMBING:	FLORIDA BUILDING CODE, PLUMBING (2023)
ELECTRICAL:	NFPA 70-NEC 2023
FIRE:	NFPA 101 LIFE SAFETY CODE AND FLORIDA FIRE PREVENTION CODE 8TH EDITION (2023)
ENERGY:	FLORIDA BUILDING CODE, ENERGY CONSERVATION (2023)
ACCESSIBILITY:	FLORIDA BUILDING CODE, ACCESSIBILITY (2023)

SHELL BUILDING INFO:

TWO LEVEL
PRIMARY OCCUPANCY: (ASSEMBY A-3)
TENANT OCCUPANCY: (ASSEMBLY A-2)
CONSTRUCTION TYPE: IIB
FULLY SPRINKLERED

LIFE SAFETY SYSTEM:

EMERGENCY LIGHTING AND EXIT SIGNS: YES
FIRE ALARM AND SMOKE DETECTION SYSTEMS: YES

OCCUPANCY LOAD ANALYSIS:

AREA NAME	S.F.	LOAD	OCCUPANTS
DINING (UNCONCENTRATED)	470	1/15 NET	31
BANQUETTE	337	556" / 18"	31
LAPTOP BARS	415	428" / 18"	24
BAR	452	816" / 18"	45
TAKE AWAY QUEUE	55	1/5	11
KITCHEN/ BAR EMPLOYEES	967	1/100	10
TOTAL	2695		152

NUMBER OF EXITS PROVIDED FOR OCCUPANCY UNDER 500 PERSONS = 2
EXITS PROVIDED = 2

NOTE: EXITS SHALL BE SEPARATED BY MORE THAN 1/3RD THE MAX. DIAGONAL LENGTH OF THE SPACE PER NFPA 101: 7.5.1.3
ACTUAL SEPARATION DISTANCE SEE CS-2

MAXIMUM TRAVEL DISTANCE FOR THIS PROJECT = <250'
PER NFPA 36.2.6.2
ACTUAL TRAVEL DISTANCE SEE CS-2

SEE EGRESS PLAN CS-2 FOR MORE INFORMATION

RENDERING:

RENDERING:

DRAWING INDEX:

ARCHITECTURAL

CS-1	COVER SHEET
CS-2	EGRESS LIFE SAFETY PLAN
GN-1	GENERAL NOTES
GN-1	GENERAL NOTES/ U.L. DETAILS
D-1	DEMOLITION PLAN
D-2	DEMOLITION DETAILS
A-1	PARTITION PLAN
A-1.1	WALL TYPES
A-1.2	CONSTRUCTION DETAILS
A-2	FIXTURE PLAN
A-3	POWER & SIGNAL PLAN
A-3.1	I.T. REQUIREMENTS
A-4	REFLECTED CEILING PLAN
A-4.1	CEILING DETAILS
A-5	FLOOR COVERING PLAN
A-6	STOREFRONT ELEVATION
A-6.1	STOREFRONT SECTIONS & DETAILS
A-6.2	STOREFRONT SECTIONS & DETAILS
A-7	INTERIOR ELEVATIONS
A-7.1	INTERIOR ELEVATIONS
A-8	SECTIONS & DETAILS
A-8.1	SECTIONS & DETAILS
A-8.2	SECTIONS & DETAILS

MECHANICAL ENGINEERING

M-0.1	MECHANICAL NOTES, DETAILS, LEGEND	
M-0.2	MECHANICAL SPECIFICATIONS	
M-1.1	MECHANICAL PLAN	
M-2.1	EXHAUST HOOD SHOP DRAWING	(G.C. INFO ONLY)
M-2.2	EXHAUST HOOD SHOP DRAWING	(G.C. INFO ONLY)
M-2.3	EXHAUST HOOD SHOP DRAWING	(G.C. INFO ONLY)
M-2.4	EXHAUST HOOD SHOP DRAWING	(G.C. INFO ONLY)
M-2.5	EXHAUST HOOD SHOP DRAWING	(G.C. INFO ONLY)
M-2.6	EXHAUST HOOD SHOP DRAWING	(G.C. INFO ONLY)
M-2.7	EXHAUST HOOD SHOP DRAWING	(G.C. INFO ONLY)
M-2.8	EXHAUST HOOD SHOP DRAWING	(G.C. INFO ONLY)
M-2.9	EXHAUST HOOD SHOP DRAWING	(G.C. INFO ONLY)
M-2.10	EXHAUST HOOD SHOP DRAWING	(G.C. INFO ONLY)
M-2.11	EXHAUST HOOD SHOP DRAWING	(G.C. INFO ONLY)
M-2.12	EXHAUST HOOD SHOP DRAWING	(G.C. INFO ONLY)
M-2.13	EXHAUST HOOD SHOP DRAWING	(G.C. INFO ONLY)
M-2.14	EXHAUST HOOD SHOP DRAWING	(G.C. INFO ONLY)

ELECTRICAL ENGINEERING

ED-1	ELECTRICAL NOTES, DETAILS, LEGEND
E-0	ELECTRICAL NOTES, DETAILS, LEGEND
E-0.1	ELECTRICAL PANEL SCHEDULE, RISERS
E-1	ELECTRICAL PLAN- POWER
E-2	ELECTRICAL PLAN- LIGHTING

PLUMBING ENGINEERING

P-0	PLUMBING NOTES, DETAILS, LEGEND
P-1	PLUMBING PLAN- SANITARY, GREASE WASTE, VENT
P-2	PLUMBING PLAN- WATER
P-3.1	PLUMBING RISERS- S.W.V.
P-3.2	PLUMBING RISERS- WATER

FOOD SERVICE COORDINATION

FS1.1	FOODSERVICE EQUIPMENT PLAN	(G.C. INFO ONLY)
FS1.2	FOODSERVICE ELEVATIONS	(G.C. INFO ONLY)
FS2.0	FOODSERVICE PLUMBING PLAN	(G.C. INFO ONLY)
FS2.1	FOODSERVICE ELECTRICAL PLAN	(G.C. INFO ONLY
FS2.2	FOODSERVICE SPECIAL PLAN	(G.C. INFO ONLY)
FS2.3	FOODSERVICE UTILITY DETAILS	(G.C. INFO ONLY)

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
11000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

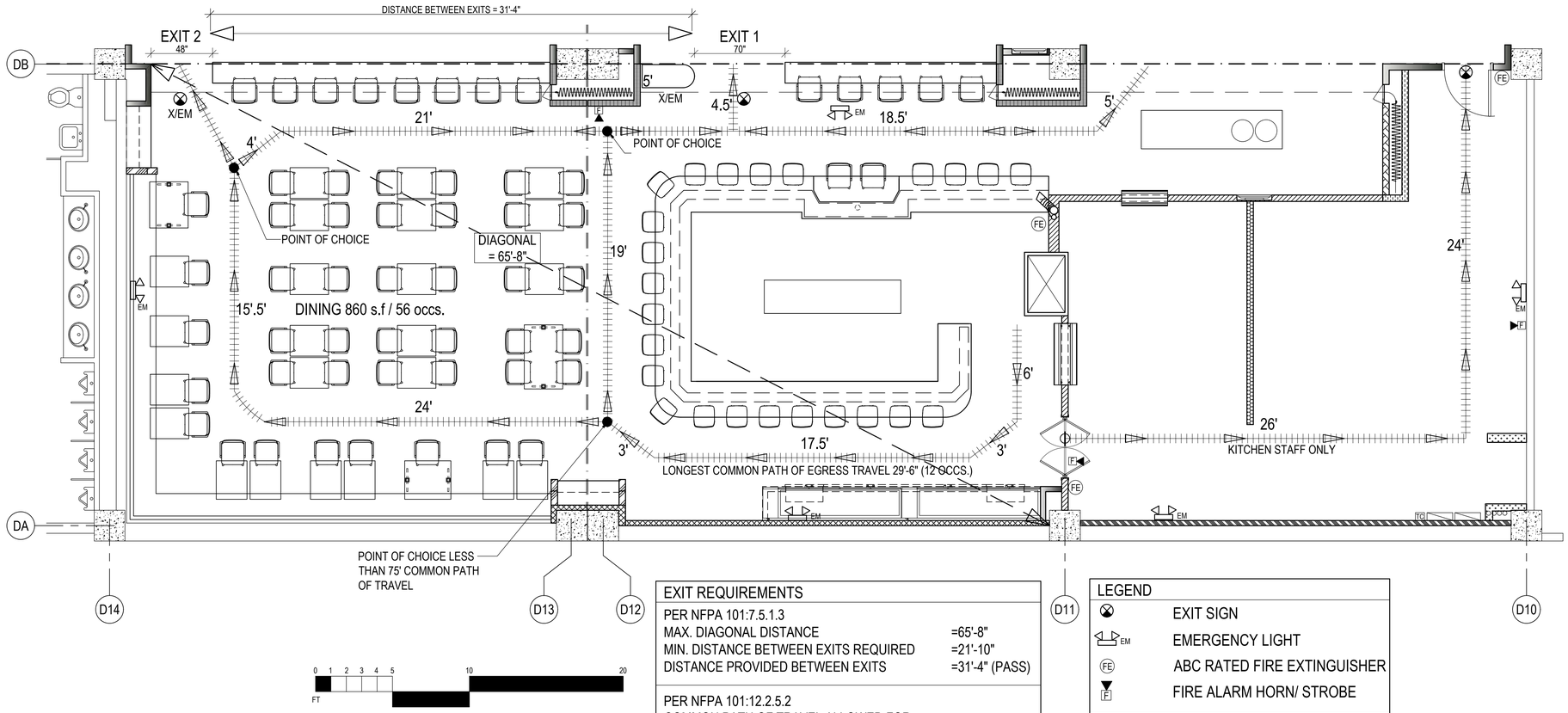
REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

COVER SHEET

SHEET NUMBER

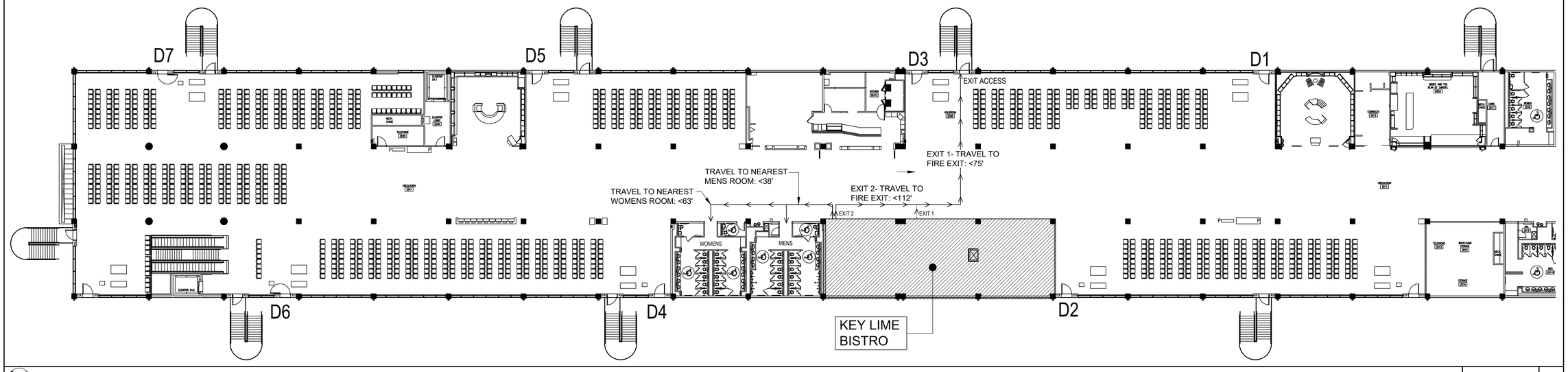
CS-1



EXIT REQUIREMENTS	
PER NFPA 101:7.5.1.3	
MAX. DIAGONAL DISTANCE	=65'-8"
MIN. DISTANCE BETWEEN EXITS REQUIRED	=21'-10"
DISTANCE PROVIDED BETWEEN EXITS	=31'-4" (PASS)
PER NFPA 101:12.2.5.2	
COMMON PATH OF TRAVEL ALLOWED FOR PATH SERVING UNDER 50 OCCS	=75' MAX
COMMON PATH OF TRAVEL THIS PROJECT	=29.5' (PASS)
EGRESS WIDTH	
152 OCCUPANT X .2"	=31"
PROVIDED	=118" (PASS)

LEGEND	
X/EM	EXIT SIGN
EM	EMERGENCY LIGHT
FE	ABC RATED FIRE EXTINGUISHER
F	FIRE ALARM HORN/ STROBE

LIFE SAFETY PLAN | 1/4" = 1'-0" | 1



EGRESS PLAN | N.T.S. | 2

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

EGRESS LIFE SAFETY PLAN

SHEET NUMBER
CS-2

GENERAL NOTES

DIVISION 1 - GENERAL REQUIREMENTS

1. THE WORK INCLUDES TENANT IMPROVEMENTS IN AN EXISTING BUILDING. PER SQUARE FOOT CALCULATIONS AS NOTED ON THE TITLE SHEET. CONTRACT WILL INCLUDE CONSTRUCTING WALLS AND CEILING PER FINISHES, DETAILS AND SPECIFICATIONS. SECURE AND PAY FOR GOVERNMENT FEES, LICENSES, AND PERMITS.
2. CONTRACTORS SHALL VISIT THE PREMISES WHILE BIDDING AND SHALL FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND THE REQUIREMENTS OF THE PROJECT PRIOR TO DEVELOPING THEIR BID. MATERIAL QUANTITIES SHALL BE BASED ON ACTUAL FIELD CONDITIONS AND MEASUREMENTS. DO NOT RELY ON SCALING PLANS FOR ACCURATE DIMENSIONING.
3. PRIOR TO BEGINNING WORK VERIFY ALL EXISTING DIMENSIONS AND SQUARE FOOTAGES. NOTIFY THE TENANT AND PROJECT MANAGER OF COMPLIANCE OR DISCREPANCIES, COMPARING THOSE DISCREPANCIES TO THE NUMBERS ON THE TITLE SHEET.
4. CONTRACTORS SHALL TAKE CARE TO PROTECT ADJACENT AREAS FROM DUST AND DAMAGE DURING THE CONSTRUCTION PROCESS, AND SHALL CLEAN UP AFTER THEMSELVES AT THE END OF EACH WORKING DAY.
5. ALL RUBBISH AND TRASH SHALL BE REMOVED FROM THE PREMISES AND PROPERLY DISPOSED OF EACH DAY. NO RUBBISH SHALL LEFT IN THE PREMISES AFTER WORK IS COMPLETED EACH DAY.
6. ALL DRAWINGS HEREIN CREATE AN ENTIRE PACKAGE. ALL TRADES SHALL BE RESPONSIBLE FOR REVIEWING THEIR RESPECTIVE REQUIREMENTS AND COORDINATING THEIR HIDDEN OR EXPOSED WORK WITH OTHER RELATED TRADES.
7. COORDINATE ALL WORK OF THE VARIOUS TRADES AND SUBCONTRACTORS TO ASSURE EFFICIENT AND ORDERLY INSTALLATION. PROVIDE ACCOMMODATION FOR ITEMS INSTALLED AT A LATER DATE. VERIFY THAT CHARACTERISTICS OF ELEMENTS OF INTERRELATED OPERATING EQUIPMENT ARE COMPATIBLE; COORDINATE WORK OF VARIOUS SECTIONS WHICH HAVE INTERDEPENDENT RESPONSIBILITIES FOR INSTALLING, CONNECTING TO, AND PLACING IN SERVICE, SUCH EQUIPMENT. COORDINATE SPACE REQUIREMENTS AND INSTALLATION OF MECHANICAL AND ELECTRICAL WORK AND FIRE SPRINKLER SYSTEM WHICH ARE INDICATED, DETAILED, OR IMPLIED DIAGRAMMATICALLY ON DRAWINGS.
8. UNLESS SPECIFICALLY NOTED, PROVIDE AND PAY FOR LABOR, MATERIALS AND EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT AND MACHINERY, AND OTHER FACILITIES AND SERVICES NECESSARY FOR PROPER EXECUTION AND COMPLETION OF WORK, INCLUDING PERMITS. UTILITIES SHALL BE PROVIDED BY TENANT.
9. GENERAL CONTRACTOR SHALL PURCHASE AND MAINTAIN INSURANCE COVERAGE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LANDLORD AND THE TENANT AS DESCRIBED IN EXHIBIT A. VERIFY AND COORDINATE WITH THE TENANT'S PROJECT MANAGER, ANY ADDITIONAL REQUIREMENTS.
10. FURNISH ALL REQUIRED TEMPORARY FACILITIES AND ALL TEMPORARY UTILITIES IMMEDIATELY AFTER RECEIPT OF NOTICE TO PROCEED FOR USE IN CONVENIENCE OF ALL THOSE ENGAGED IN THE PROJECT WORK.
11. ALL CONTRACTORS MUST STAY BEHIND THE BARRIERS AND MAINTAIN ACCESS TO SUCH AREAS CLEAN AND FREE OF CONSTRUCTION MATERIALS AND DEBRIS. FAILURE TO MAINTAIN CLEAN STOREFRONT WILL RESULT IN BUILDING MANAGEMENT HAVING SUCH MATERIALS AND DEBRIS REMOVED AND ALL CHARGES FOR MAINTENANCE WILL BE BILLED TO GENERAL CONTRACTOR.
12. COORDINATE ALL CONSTRUCTION & SCHEDULING WITH THE BUILDING MANAGER REVIEWING ALL SCHEDULED ACTIVITIES AT OUTSET OF CONSTRUCTION.
13. ALLOWABLE TOLERANCES - UNLESS OTHERWISE NOTED OR INDICATED,THE FOLLOWING TOLERANCES SHALL APPLY TO ALL WORK:
    - A. ALL VERTICAL SURFACES SHALL BE PLUMB OR CONSTRUCTED TO THE EXACT SLOPES OR ANGLES INDICATED.
    - B. THE MAXIMUM DEVIATION FROM THE TRUE PLANE FOR VERTICAL AND HORIZONTAL SURFACES SHALL NOT BE GREATER THAN 1/8" IN 10'-0" AS MEASURED BY A STRAIGHT EDGE PLACED ANYWHERE ON THE SURFACE.
    - C. ALL HORIZONTAL SURFACES SHALL BE LEVEL OR CONSTRUCTED TO THE EXACT ANGLE INDICATED OR INTENDED.
    - D. WALL AND SOFFIT INTERSECTIONS SHALL BE 90 OR THE EXACT ANGLE INDICATED OR INTENDED.
    - E. ALL CORNERS AND EDGES SHALL BE STRAIGHT AND TRUE WITHOUT DENTS, WAVES OR BULGES OR OTHER BLEMISHES.
    - F. ALL JOINTS SHALL BE TIGHT, STRAIGHT, EVEN AND SMOOTH.
    - G. ALL OPERABLE ITEMS SHALL OPERATE SMOOTHLY WITHOUT STICKING OR BINDING AND WITHOUT EXCESSIVE "PLAY" OR LOOSENESS.
14. THE FOLLOWING MATERIALS SHALL BE LEFT AT JOBSITE IN ONE LOCATION UPON OWNER'S REPRESENTATIVE'S DIRECTION AND APPROVAL.. THEY SHALL BE TAKEN FROM SAME MATERIAL, LOT OR RUN USED TO CONSTRUCT AND FINISH THE PROJECT:
    - A) 1 FULL QUART OF EACH PAINT COLOR IN A CLEAN, TIGHTLY CLOSED CAN & CLEARLY MARKED.
    - B) SIX FLOOR TILES FREE FROM KNICKS, SCRATCHES OR CRACKS.
    - C) ONE-HALF BAG OF TILE GROUT.
    - D) FOUR FULL LENGTH STRIPS OF RUBBER BASE.
15. THE TENANT OR THE TENANT'S SUBCONTRACTORS MAY OCCUPY PORTIONS OF THE PROJECT DURING THE FINAL STAGE OF CONSTRUCTION. COORDINATE AND COOPERATE WITH TENANT TO MINIMIZE CONFLICT AND FACILITATE THE TENANT'S OPERATION.
16. ALL DIMENSIONS AND FINISHES SHALL BE VERIFIED AND COORDINATED WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION, FABRICATION, OR PURCHASING. IN CASE OF CONFLICT BETWEEN THE PROJECT REQUIREMENTS AND/ OR EXISTING CONDITIONS THE ONE HAVING THE MOST STRINGENT REQUIREMENTS SHALL GOVERN, AS APPROVED BY THE TENANT.
17. PERFORM ALL WORK IN ACCORDANCE WITH ACCEPTABLE TRADE PRACTICE TO INSURE THE HIGHEST QUALITY FINISHED PRODUCT EXPRESSED OR IMPLIED. PERFORM ALL WORK BY SKILLED MECHANICS IN ACCORDANCE WITH ESTABLISHED STANDARDS OR WORKMANSHIP IN EACH OF THE VARIOUS TRADES.
18. COORDINATE BLOCKING REQUIREMENTS WITH ADJACENT OR RELATED TRADES, ACCESSORIES, EQUIPMENT & FIXTURES, INSTALL REQUIRED BLOCKING AT NO ADDITIONAL COST TO THE CONTRACT. ALL BLOCKING IN WALLS TO BE FIRE RETARDANT TREATED, U.N.O.
19. REPAIR PROPERTY DAMAGE BY THE INSTALLERS TO A LIKE NEW CONDITION OR REPLACE DAMAGED SURFACES AND MATERIALS OF THE PREVIOUSLY INSTALLED WORK BY OTHER TRADES, INSTALLERS AND SUBCONTRACTORS.
20. WHERE REQUESTED BY THE TENANT TO CERTIFY CONFORMANCE TO TRADE STANDARDS OR THE PROJECT REQUIREMENTS, THE CONTRACTOR SHALL ENLIST A TESTING LABORATORY AT THE TENANT'S COST. IF THE REQUESTED TEST SHOWS NON-CONFORMANCE TO GENERALLY ACCEPTED TRADE STANDARDS OR THE PROJECT REQUIREMENTS, THE CONTRACTOR SHALL CORRECT THE DEFICIENCY AT NO ADDITIONAL COSTS TO THE OWNER AND REIMBURSE ALL THE COSTS OF THE TESTING TO THE TENANT, UNLESS THE CONTRACTOR HAS USED PRODUCTS INCORRECTLY LABELED BY THE MANUFACTURER OR HAS MADE PREVIOUSLY APPROVED CHANGES.
21. PROVIDE SECURITY OF THE WORK, INCLUDING TOOLS AND UNINSTALLED MATERIALS. PROTECT THE WORK, STORED PRODUCTS, CONSTRUCTION EQUIPMENT AND TENANT'S PROPERTY FROM THEFT AND VANDALISM AND THE PREMISES FROM ENTRY BY UNAUTHORIZED PERSONNEL UNTIL FINAL ACCEPTANCE BY OWNER.
22. MAINTAIN AN ACTIVE FIRE EXTINGUISHER AT THE PROJECT.
23. DO NOT USE MATERIAL OR EQUIPMENT FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SPECIFICALLY DESIGNED OR SPECIFIED. ALL MATERIALS AND EQUIPMENT THAT ARE SIMILAR SHALL BE THE SAME TYPE, MODEL, AND STYLE FOR THE SAME USE THROUGHOUT THE PROJECTOR THEY SHALL BE REJECTED.
24. WHEN THE PROJECT REQUIRES THE INSTALLATION OF WORK TO COMPLY WITH MANUFACTURER'S INSTRUCTIONS, PERFORM THE WORK IN STRICT ACCORDANCE WITH THE MOST CURRENT WRITTEN MANUFACTURER'S INSTRUCTIONS.
25. ALL PRODUCTS AND EQUIPMENT SHALL BE DELIVERED IN UNDAMAGED CONDITION AND STORED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS TO AVOID DISRUPTION OF THE WORK OR DAMAGE TO THE ITEMS. REPLACE DAMAGED OR UNFIT MATERIALS, AT NO COST TO THE TENANT.

DIVISION 1 - GENERAL REQUIREMENTS CONT'D

26. NOTIFY THE TENANT WHEN THE WORK IS SUBSTANTIALLY COMPLETE AND READY FOR INSPECTION. UPON INSPECTION, PROVIDE WRITTEN OPERATION AND MAINTENANCE INSTRUCTIONS AND GUARANTEES FOR ALL EQUIPMENT AND MATERIALS INSTALLED. PROVIDE WRITTEN GUARANTEES FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK.
27. PROVIDE FINAL CLEAN-UP AND DAMAGE REPAIR AT THE PROJECT CONCLUSION. LEAVE THE PREMISES NEAT, CLEAN AND CLEAR OF TOOLS, EQUIPMENT AND SURPLUS MATERIALS, UNLESS REQUESTED BY THE TENANT. CLEAN-UP SHALL INCLUDE AND NOT BE LIMITED TO :
    - A. POWER VACUUMING THE ENTIRE SPACE.
    - B. HAND DUSTING AND CLEANING OF ALL SHELVING, CABINETRY, CASEWORK, GLASS AND MIRRORS
    - C. REPAIR OR REPLACEMENT OF PROPERTY DAMAGED DURING FINAL COMPLETION OF THE PROJECT.
28. TENANT IS RESPONSIBLE FOR OBTAINING THE "BUILDING RULES AND REGULATIONS FOR TENANT CONSTRUCTION" AND SHALL BE RESPONSIBLE FOR INSTRUCTING IT'S CONTRACTORS ON COMPLIANCE. TENANT TO PROVIDE G.C. WITH A COPY OF MANUAL.
29. NO PIPES ,WIRE, CONDUITS SHALL BE INSTALLED BELOW FPTU/VAV'S OR WITHIN THE 42"/30" CLEAR ZONE OF THE ELECTRICAL/CONTROL BOX OF THE FPTU/VAVS
30. SUBSTITUTIONS ARE STRONGLY DISCOURAGED AND SHALL BE SUBMITTED TO THE LAND LORD FOR APPROVAL. ALLOW A MINIMUM OF 2 WEEKS FOR REVIEW. SUBMIT SUBSTITUTION IN TRIPLICATE WITH A LETTER OF EXPLANATION AS TO WHY THE SUBSTITUTION IS BEING REQUESTED.

DIVISION 2 - SITE CONSTRUCTION

1. THE WORK MAY INCLUDE DEMOLITION OF EXISTING CONSTRUCTION, REMOVAL OF VARIOUS ITEMS OF EQUIPMENT AND CONSTRUCTION, AND THE CUTTING OR ALTERATION OF EXISTING CONSTRUCTION AS SHOWN, NOTED OR IMPLIED ON THE DRAWINGS. CONTRACTORS SHALL DETERMINE AND INVENTORY ALL NECESSARY DEMOLITION AND ALTERATION OF ITEMS TO PROVIDE FOR A COMPLETE INSTALLATION OF NEW WORK. ALL COSTS OF REMOVAL, REPAIR, OR REPLACEMENT SHALL BE INCLUDED IN THE BID. ADDITIONAL COSTS FOR DEMOLITION OF ITEMS HIDDEN OR INACCESSIBLE DURING THE BIDDING PHASE, SHALL BE SUBMITTED FOR APPROVAL PRIOR TO THE BEGINNING OF WORK.
2. AT ALTERED CONSTRUCTION, REPAIR CUT EDGES, REPLACE CONSTRUCTION, AND FIT NEW TO EXISTING CONSTRUCTION TO MATCH EXISTING WORK. MAKE JOINTS OF NEW AND EXISTING PATCHES VERY SMOOTH, EVEN AND PRACTICALLY INVISIBLE. COORDINATE ALL REPLACEMENT AND REPAIR REQUIREMENTS WITH LANDLORD'S CONSTRUCTION CRITERIA AND TENANT'S COORDINATOR. ABANDONED FLOOR PENETRATIONS ARE TO BE REPAIRED.
3. PREVENT MOVEMENT OR SETTLEMENT OF STRUCTURE. PROVIDE AND PLACE BRACING AND SHORING AND BE RESPONSIBLE FOR SAFETY AND SUPPORT OF STRUCTURE, AS DETERMINED BY G.C.'S ENLISTED STRUCTURAL ENGINEER. ASSUME LIABILITY FOR SUCH MOVEMENT, SETTLEMENT DAMAGE OR INJURY.
4. ARRANGE AND PAY FOR DISCONNECTING, AND REMOVING UTILITY SERVICES BACK TO NEAREST MAIN. PLACE MARKERS TO INDICATE LOCATION OF DISCONNECTED SERVICES. LOCATE SPRINKLER SHUT-OFF VALVE AND SMOKE ALARM PRIOR TO COMMENCING WORK; COORDINATE REQUIRED MODIFICATION WITH LANDLORD.
5. ERECT AND MAINTAIN WEATHERPROOF AND DUST PROOF CLOSURES AND PARTITIONS TO PREVENT WEATHER DAMAGE OR SPREAD OF DUST, FUMES AND SMOKE TO OTHER PARTS OF THE BUILDING, IN ACCORDANCE WITH BUILDING GUIDELINES AND STIPULATIONS. CONSTRUCTION OF BARRICADE PER BASE BUILDING REQUIREMENTS.
6. PERFORM DEMOLITION IN ACCORDANCE WITH APPLICABLE AUTHORITIES HAVING JURISDICTION.
7. REPAIR ALL DEMOLITION IN EXCESS OF THAT REQUIRED AT NO COST TO THE OWNER.
8. REMOVE FROM SITE CONTAMINATED, VERMIN INFESTED OR DANGEROUS MATERIALS ENCOUNTERED. DISPOSE OF BY SAFE MEANS TO PROTECT HEALTH OF WORKERS AND PUBLIC.

DIVISION 3 - CONCRETE REPAIR & REPLACEMENT

1. WORK INCLUDES PATCHED, DEMOLISHED SLAB AND CERAMIC TILE, IF ANY; FILLING AND LEVELING JOINTS AND CRACKS; AND FILLING ABANDONED ELECTRICAL BOXES AND ALL HOLES. ITEMS IN SLABS TO BE REMOVED. DO NOT ABANDON ELECTRICAL BOXES IN SLAB.
2. USE RAECO-LITH "R-35" AS UNDERLAYMENT FOR PATCHING OR APPROVED EQUAL. MIX SHALL BE TWO PARTS - MORTAR MIX AND LATEX BINDER. MIX AND INSTALL PER MANUFACTURER'S LATEST WRITTEN AND RECOMMENDED DIRECTIONS.

DIVISION 4 - MASONRY NOT USED

DIVISION 5 - METALS

1. PROVIDE ALL MISCELLANEOUS METAL ITEMS INCLUDING MATERIALS, FABRICATIONS, FASTENERS, ADHESIVES AND ACCESSORIES REQUIRED FOR FINISHED INSTALLATION AS INDICATED AND SPECIFIED.
2. STEEL SHALL BE ASTM Q366 AMERICAN OPEN HEARTH SHEET STEEL, FREE FROM SCALE AND PITTING AND OTHER DEFECTS AFFECTING APPEARANCE.
3. TUBING SHALL CONFORM TO REQUIREMENTS OF ASTM A500 OR A501 AS APPROVED.
4. WHERE METAL ITEMS ARE TO BE ERECTED AND IN CONTACT WITH DISSIMILAR MATERIALS, PROVIDE CONTACT SURFACES WITH COATING OF AN IMPROVED ZINC CHROMATE PRIMER IN MANNER TO OBTAIN NOT LESS THAN 1.0 MIL DRY FILM THICKNESS.
5. SHEET STEEL SHALL CONFORM TO REQUIREMENTS OF ASTM A606.
6. CARBON STEEL BARS SHALL CONFORM TO REQUIREMENTS OF ASTM A321.
7. ALUMINUM BREAK METAL SHALL CONFORM TO SPECIFICATIONS. FINISH TO BE AS SPECIFIED.
8. FASTENERS SHALL BE AS REQUIRED FOR ASSEMBLY AND INSTALLATION OF FABRICATED ITEMS.
9. BOLTS SHALL BE LOW CARBON STEEL EXTERNALLY AND INTERNALLY THREADED FASTENERS CONFORMING WITH REQUIREMENTS OF ASTM A307; INCLUDE NECESSARY UNITS AND PLAIN HARDENED WASHERS. FOR MEMBERS FOR SUPPORT OF STRUCTURAL MEMBERS OR CONNECTION THERETO, USE FASTENERS CONFORMING WITH ASTM A325. FOR STAINLESS STEEL AND NON-FERROUS ITEMS, USE TYPE 302 AND 304 STAINLESS STEEL FASTENERS.
10. MISCELLANEOUS MATERIALS: PROVIDE ALL INCIDENTAL ACCESSORY MATERIALS, TOOLS, METHODS, AND EQUIPMENT REQUIRED FOR FABRICATION AND INSTALLATION OF MISCELLANEOUS METAL ITEMS AS INDICATED ON DRAWINGS.
11. VERIFY DIMENSIONS PRIOR TO FABRICATION OR CASTING. FORM METAL ITEMS TO ACCURATE SIZES AND CONFIGURATIONS AS INDICATED ON DRAWINGS AND OTHERWISE REQUIRED FOR PROPER INSTALLATION; FABRICATE WITH ALL LINES STRAIGHT AND ANGLES SHARP, CLEAN AND TRUE; DRILL, COUNTERSINK, TAPE, AND OTHERWISE PREPARE ITEMS FOR CONNECTION WITH WORK OF OTHER TRADES. MAKE PERMANENT CONNECTIONS BY WELDING AND GRIND ALL EXPOSED WELDS SMOOTH TO MATCH ADJACENT SURFACES; ROUGH JOINT SURFACES NOT PERMITTED. AVOID USING BOLTS AND SCREWS UNLESS SPECIFICALLY INDICATED OR APPROVED. WHEN USED, DRAW UP TIGHT AND TIE THREADS TO PREVENT LOOSENING.
12. ALL FERROUS METAL ITEMS SHALL BE SHOP FINISHED. TOUCH UP OR REPAIR DAMAGED AREAS PRIOR TO INSTALLATION WITH SAME MATERIAL.
13. PROVIDE CONTACT SURFACES WITH CONCRETE MASONRY OR OTHER DISSIMILAR MATERIALS WITH A MINIMUM ONE POINT ZERO (1.0) MIL DRY THICKNESS OF AN APPROVED ZINC CHROMATE PRIMER.
14. PROVIDE ALL STEEL BLOCKING AND BRACING IN METAL STUD FRAMED PARTITIONS AS NECESSARY FOR A COMPLETE INSTALLATION. INCLUDE AS REQUIRED FOR SUPPORT OF ALL WALL-MOUNTED EQUIPMENT AND FABRICATIONS AS INDICATED ON DRAWINGS. PROVIDE SUPPORTS AT JAMBS OF DOORS AND ELSEWHERE, AS REQUIRED.
15. FABRICATE ALL MISCELLANEOUS FRAMING AND BRACING ITEMS TO DETAIL OF STRUCTURAL SHAPES, PLATES, AND BARS; WELD JOINTS WHERE PRACTICAL; PROVIDE BOLTS AND OTHER CONNECTION DEVICES REQUIRED. INCLUDE ANCHORAGES, CLIP ANGLES, SLEEVES, ANCHOR PLATE, AND SIMILAR DEVICES, WHETHER IMPLIED OR INDICATED. SET ACCURATELY IN POSITION AS REQUIRED AND ANCHOR SECURELY TO BUILDING CONSTRUCTION WITH FASTENERS APPROPRIATE TO THE INSTALLATION.
16. PRIOR TO WELDING, SOLDERING, OR CUTTING THE GENERAL CONTRACTOR IS TO OBTAIN A BURN PERMIT AND PROVIDE A 3-HOUR FIRE WATCH AFTER COMPLETION OF WORK.
17. PROVIDE CHANNEL-SHAPED ROLL FORMED SHEET MEMBERS CONFORMING WITH ASTM C640, HOT DIPPED FINISH WHERE EXPOSED TO MOISTURE NOT LESS THAN 20 GAUGE. PROVIDE 16 GAUGE AT DOOR JAMB.

DIVISION 5 - METALS CONT'D

18. PROVIDE COLD ROLLED, STEEL CHANNELS NOT LESS THAN 16 GAUGE.
19. PROVIDE ROLL HAT-SHAPED CHANNELS MINIMUM 25 GAUGE, 7/8" DEEP WITH 1/2" HEMMED EDGES. HOT DIPPED FINISH WHERE NOTED.
20. PROVIDE GALVANIZED HANGERS OF STEEL WIRE IN ACCORDANCE WITH ASTM C754.
21. PROVIDE JACK STUDS BETWEEN BOTTOM TRACK AND WINDOW AND/OR RELIEF SILLS BETWEEN LINTELS AND HEADERS IN TOP TRACKS.
22. PROVIDE BLOCKING AND FRAMING FOR ALL WALL MOUNTED FINISH HARDWARE AND EQUIPMENT, INCLUDING DOOR STOPS.
23. PROVIDE CEILING SEISMIC BRACING IN ACCORDANCE WITH REQUIREMENTS OF APPLICABLE CODES AND AS INDICATED ON DRAWINGS.
24. PROVIDE DOUBLE BEAD OF BUTYL SEALANT AT FLOOR TRACKS. APPLY DOUBLE BEAD TO CEILING TRACK AND TO STUDS ABUTTING OTHER CONSTRUCTION.
25. PROVIDE CHANNEL SHAPED BLOCKING SUPPORT OR GALVANIZED STRIP SUPPORT OF WALL-HUNG CABINETS, EQUIPMENT, FIXTURES AND ACCESSORIES OF NOT LESS THAN 22 GA. MATERIAL. PROVIDE SUPPORT IN WALL OR PARTITION FRAMING SYSTEM WHEREVER WALL HUNG CABINETS AND EQUIPMENT ARE INDICATED ON DRAWINGS, AND WHERE REQUIRED FOR MOUNTING OF MISCELLANEOUS ITEMS REQUIRING BACKING.
26. SET FLOOR TRACKS IN ACCURATE LOCATIONS AND SECURELY ANCHOR IN ACCORDANCE WITH ASTM STANDARDS. ERECT STUDS ON 16" OR 24" (AS INDICATED) CENTERS AND SECURE TO TRACK. INSTALL HEAD TRACK IN ACCORDANCE WITH DETAILS. INSTALL BLOCKING, BRACING, AND ANCHOR STRIPS; LEAVE READY TO RECEIVE FINISH MATERIALS.
27. ERECT ALL COMPONENTS FOR CEILING AND SOFFIT FRAMING IN ACCURATE LOCATIONS AS INDICATED, TRUE TO LINE, LEVEL AND PLUMB, AND IN ACCORDANCE WITH APPLICABLE ASTM STANDARDS AS REFERENCED ABOVE, USING A LASER LEVEL. ADJUST SUPPORTS, SPANS OR OTHERWISE FOR INSTALLATION WITHIN SPECIFIED TOLERANCES.
28. PROVIDE KICK BRACING IN ACCORDANCE WITH INDUSTRY STANDARDS FOR WALL STUDS, CEILING MEMBERS, DRAFT OR SMOKE STOPS AND CURTAIN WALLS.

DIVISION 6 - WOOD & PLASTICS

1. PROVIDE ROUGH LUMBER AND PLYWOOD IN STANDARD DIMENSIONS. MOISTURE CONTENT NOT MORE THAN 19%.
2. PROVIDE ALL NECESSARY ROUGH HARDWARE IN SIZES IN QUANTITIES REQUIRED BY LOCAL CODE OR APPROVED BY DESIGNER/ STORE PLANNER.
3. USE FINISH OR CASING NAILS FOR EXPOSED WORK; USE TYPE "S" TRIM HEAD SCREWS FOR ATTACHMENT OR WOOD TRIM TO METAL STUDS, RUNNERS, OR FURRING.
4. RELIEVE BACKS OF WOOD TRIM; KERF BACKS OF MEMBERS MORE THAN 5" WIDE AND 1" NOMINAL THICKNESS; EASE ALL EXTERNAL CORNERS.
5. INSTALL LAMINATES ONLY WHEN RECEIVING SURFACES ARE IN A SATISFACTORY CONDITION FOR INSTALLATION.
6. USE ADHESIVES RECOMMENDED BY THE MANUFACTURER FOR THE PARTICULAR APPLICATION; INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOST CURRENT PRINTED APPLICATION INSTRUCTIONS.
7. PROTECT FROM DAMAGE BY OTHER TRADES WORKING ADJACENT TO THE INSTALLATION. REPLACE DAMAGED SURFACES.
8. REMOVE EXCESS ADHESIVE AND CLEAN SURFACES USING MANUFACTURER'S RECOMMENDED SOLVENT AND CLEANING PROCEDURES.
9. FILL IN ALL SEAMS WITH MANUFACTURER'S APPROPRIATE COLOR SEAM COMPOUND.
10. INSTALL WOODS AND PLASTICS IN CONFORMANCE WITH DETAILS, WITH THE FOLLOWING CONSIDERATIONS AND REQUIREMENTS:
    - A. INSTALL ALL MATERIAL WITH TIGHT JOINTS.
    - B. MITER CASINGS, MOLDING, BASE AND STOREFRONT LAMINATED OR PAINTED MDF PANELS.
    - C. ALL RUNNING TRIM ONE (1) PIECE UP TO 10'-0". MATCH GRAIN AND COLOR PIECE TO PIECE.
    - D. USE FINISH NAILS EXCEPT WHERE SCREWS ARE SPECIFICALLY CALLED FOR OR WHERE SCREWS DO NOT SHOW.
    - E. SET FASTENERS FOR PUTTYING.
    - F. WHERE SCREW ATTACHMENT REQUIRED, SPACE SCREWS AT EQUAL INTERVALS; SINK AND PUTTY IN FINISH WOOD SURFACE.
    - G. ALL MEMBERS AND LINES LEVEL AND PLUMB
    - H. SELECT AND CUT MATERIAL TO EXCLUDE DAMAGED, MARKED OR DEFECTIVE AREAS.
    - I. FINISHED EXPOSED SURFACES SMOOTH, FREE FROM TOOL AND MACHINE MARKS.
    - J. EASE ALL EXPOSED WOOD EDGES 1/8" MINIMUM RADIUS.
    - K. INSTALL FIRE RATED DOORS IN ACCORDANCE WITH REQUIREMENTS OF NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RECOMMENDATIONS.
    - L. NON-COMB. FIRE TREATED WOOD BEARING FACTORY IMPREGNATED STAMP SHALL BE USED FOR ALL WOOD FRAMING MEMBERS UNLESS NOTED OTHERWISE, INCLUDING PLYWOOD.

DIVISION 7 - SEALANTS AND CAULKING

1. PROVIDE NON-SAG SEALANT COMPLYING WITH REQUIREMENTS OF FEDERAL SPECIFICATIONS TTS-1543 OR FS TT-S-230 TYPE "II", CLASS "A". PROVIDE ACOUSTICAL SEALANT WHICH SHALL BE NON-HARDENING, NON-DRYING SYNTHETIC RUBBER SEALING COMPOUND WITH MINIMUM 90% SOLIDS. USE AT ALL INTERIOR JOINTS AT INTERSECTIONS BETWEEN PLANES. AROUND DOOR AND WINDOW FRAMES SEALANT SHALL BE INSTALLED AS RECOMMENDED BY SEALANT MANUFACTURER FOR THE SPECIFIC CONDITIONS AND SUBSTRATES.
2. PROVIDE BACKING MATERIAL BY DOW "ETHAFOAM" OR APPROVED EQUAL. APPLY SEALANT OVER BACKING TO UNIFORM THICKNESS IN CONTINUOUS BEADS FILLING ALL JOINTS AND VOIDS SOLID. SUPERFICIAL POINTING WITH THE SKIM BEAD WILL NOT BE ACCEPTABLE.
3. ALL SURFACES SHALL BE ADEQUATELY CLEANED AND PREPARED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS PRIOR TO INSTALLATION.

DIVISION 8 - DOORS AND WINDOWS

1. PROVIDE WELDED METAL DOOR FRAMES AT ALL G.C. PROVIDED DOORS, AS DETAILED FREE FROM SCALE AND PITTING AND OTHER SURFACE DEFECTS, UNLESS OTHERWISE NOTED.
2. PROVIDE DOORS OF SIZES AND TYPES INDICATED ON DRAWINGS, FULLY WELDED SEAMLESS CONSTRUCTION WITH NO VISIBLE SEAMS OR JOINTS ON FACE OR VERTICAL EDGES; THICKNESSES AS SCHEDULED ON DRAWINGS.
3. FACE STIFFENERS, EDGES AND HARDWARE REINFORCEMENT SHALL BE THE HIGHEST QUALITY WORKMANSHIP AND MATERIALS. PROVIDE IN ACCORDANCE WITH BEST TRADE PRACTICE AND MANUFACTURER'S WRITTEN RECOMMENDATIONS FOR THE USE INTENDED.
4. PROVIDE CUSTOM MADE WELDED UNITS WITH INTEGRAL TRIM; SIZES AND SHAPES AS INDICATED ON DRAWINGS; FABRICATE UNITS SQUARE, TRUE AND FREE FROM DEFECTS.
5. HARDWARE REINFORCEMENT AND ANCHORS (ERECTION, FLOOR AND JAMB) SHALL BE AS REQUIRED FOR A SECURE INSTALLATION AND SHALL BE IN ACCORDANCE WITH TRADE REQUIREMENTS FOR THE SPECIFIED HARDWARE AND INTENDED USE.
6. AFTER FABRICATION, DRESS, FILL AND SAND EXPOSED SURFACES, BODY-PUTTY HOLES AND IMPERFECTIONS. APPLY UNIFORM COAT OF MANUFACTURER'S STANDARD PRIME COAT TO ALL EXPOSED SURFACES. LEAVE READY TO RECEIVE FINISH PAINTING.
7. INSTALL FRAMES IN ACCURATE LOCATIONS AS INDICATED ON DRAWINGS. INSTALL RIGID, PLUMB, LEVEL AND TRUE. ALIGN WITH ADJACENT CONSTRUCTION. SECURE FLOOR ANCHORS TO FLOOR CONSTRUCTION WITH APPROVED TYPE MECHANICAL FASTENINGS; ANCHOR TO ADJOINING WALLS WITH SPECIFIED ANCHORS. BRACE FRAMES TO RETAIN POSITION AND CONTINUOUSLY CHECK ALIGNMENT DURING CONSTRUCTION OF ADJACENT WALLS. ADJUST FRAME LOCATIONS AS NECESSARY USING SHIMS BEFORE FASTENING. LEAVE READY TO RECEIVE SEALANT WHERE INDICATED ON DRAWINGS.

DIVISION 8 - DOORS AND WINDOWS CONT'D.

8. INSTALL WOOD DOORS, FRAMES, AND TRIM. SIZES AND THICKNESS AS SCHEDULED ON THE DRAWINGS.
9. PREPARE DOORS FOR FINISH HARDWARE. OBTAIN TEMPLATES FROM HARDWARE MANUFACTURER AND CONFIRM TYPE, LOCATION, AND SPECIAL REQUIREMENTS OF HARDWARE FOR EACH DOOR PRIOR TO CUTTING.
10. HANG DOORS AS SCHEDULED ON DRAWINGS, IN ACCURATE LOCATIONS WITH 1/8" CLEARANCE AT TOPS AND 3/8" CLEARANCE AT BOTTOM, UNLESS SPECIFICALLY NOTED FOR "UNDERCUTS" OR OTHER DEVIATIONS IN FIT. VERIFY CLEARANCES REQUIRED FOR TILE AND MAKE NO JOBSITE FIT IN CUTS UNLESS APPROVED. HANG PAIRS OF DOORS AS SPECIFIED WITH 3/32" CLEARANCE AT MEETING EDGES. DEMONSTRATE THAT DOORS OPEN FREELY WITHOUT BINDING, AND WHEN CLOSED, WILL LATCH PROPERLY.
11. ALL DOOR HARDWARE AND OPERATING MECHANISMS MUST MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND ALL OTHER LOCAL AND STATE CODES

DIVISION 9 - FINISHES

PAINTING

1. PROVIDE PAINT FINISHES FOR BUILDING AND OTHER SURFACES AS SCHEDULED ON DRAWINGS OR AS SPECIFIED HEREIN AFTER INCLUDING SEALING OF CONCRETE FLOOR, IF APPLICABLE. NO PAINT FINISH IS REQUIRED ON ITEMS HAVING COMPLETE FACTORY FINISH, EXCEPT AS MAY BE SPECIFIED HEREINAFTER; PUTTY AND/OR SEALANT AT ALUMINUM WINDOWS; NON-FERROUS METAL UNLESS SPECIFICALLY MENTIONED IN THE PAINTING SCHEDULE; STAINLESS STEEL; INTERIOR OR EXTERIOR OF EXISTING BUILDING, EXCEPT WHERE ALTERATIONS OCCUR OR WHERE SCHEDULED. PAINT GRILLES AND DIFFUSERS. NO PAINTING IS REQUIRED FOR INSULATING PIPING, EXCEPT WHERE EXPOSED IN FINISH, NON-MECHANICAL ROOM SPACES.
2. PROTECT WORK OF OTHER TRADES FROM DAMAGE AND DEFACEMENT CAUSED BY THIS WORK. REPAIR ANY DAMAGE CAUSED BY THE WORK OF THIS SECTION. REMOVE ELECTRICAL OUTLET AND SWITCH PLATES, MECHANICAL DIFFUSERS, GRILLES, ESCUTCHEONS, REGISTERS, SURFACE HARDWARE, FITTINGS, AND FASTENINGS PRIOR TO COMMENCING THE WORK. STORE, CLEAN, AND REPLACE UPON COMPLETION.
3. PAINT CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR IF ANY SURFACE TO BE PAINTED OR STAINED IS FOUND TO BE UNSUITABLE TO PRODUCE PROPER FINISH. APPLY NO FINISH MATERIAL UNTIL THE UNSUITABLE SURFACES HAVE BEEN MADE SATISFACTORY.
4. FINISH WORK SHALL BE UNIFORM, OF APPROVED COLOR, SMOOTH AND FREE FROM RUNS. MAKE ENDS OF PAINT ADJOINING OTHER MATERIALS OR COLORS SHARP AND CLEAN. WHERE HIGH GLOSS ENAMEL IS USED, LIGHTLY SAND UNDERCOAT TO OBTAIN A SMOOTH FINISH COAT.
5. PROVIDE ALL NEWLY PAINTED SURFACES WITH (1) COAT TINTED PRIMER AND (2) COATS FINAL COLOR COAT, UNLESS OTHERWISE RECOMMENDED BY MANUFACTURER'S SPECIFICATIONS.
6. DELIVER ALL PAINT TO JOBSITE IN UNOPENED CONTAINERS BEARING THE MANUFACTURER'S LABEL, AND SHOWING PAINT TYPE, SHEEN AND COLOR.
7. PAINT TYPES USED SHALL BE THOSE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE MATERIAL TO WHICH THEY WILL BE APPLIED. PAINTING CONTRACTOR SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS FOR PROPER APPLICATION OF THE PAINT.
8. ALL SURFACES TO BE PAINTED SHALL BE THOROUGHLY CLEANED, AND PREPARED FOR PAINTING PRIOR TO APPLICATION OF PAINT. PROVIDE VENTILATORS AS REQUIRED TO PREVENT BUILD UP OF FUMES.
9. SANDPAPER ALL NEW WOOD TO SMOOTH AND EVEN SURFACE AND DUST OFF. AFTER PRIMING COAT HAS BEEN APPLIED, THOROUGHLY FILL ALL NAIL HOLES AND OTHER SURFACE IMPERFECTIONS WITH PUTTY TINTED WITH PRIMER OR STAIN TO MATCH WOOD COLOR. SAND ALL WOODWORK BETWEEN COATS TO A SMOOTH FINISH.
10. BACK PRIME ALL EXTERIOR AND INTERIOR WOOD TRIM PRIOR TO INSTALLATION. THOROUGHLY CLEAN SURFACES AND APPLY NO FINISH UNLESS SURFACES ARE DRY AND READY FOR APPLICATION. SANDPAPER SURFACES OF TRIM SMOOTH AND WIPE CLEAN. AFTER STAIN COAT HAS BEEN APPLIED, FILL CRACKS AND HOLES WITH PLASTIC WOOD OR PUTTY. IF STAIN HAS BEEN USED, TINT CRACK FILLER TO MATCH; PRIME BACKS OF TRIM. PRIME BARE WOOD SCHEDULED TO RECEIVE PAINT FINISH; FINISH NAIL HOLES, CRACKS, AND OTHER IMPERFECTIONS WITH PUTTY AND SAND SMOOTH.
11. AT COMPLETION, TOUCH-UP AND RESTORE FINISH WHERE DAMAGED AND LEAVE ALL SURFACES IN GOOD AND CLEAN CONDITION. PROVIDE FOR MULTIPLE SITE VISITS AS REQUIRED FOR TOUCH-UP AND REFINISHING.
12. OTHER PAINT MANUFACTURER'S MAY NOT BE SUBSTITUTED WITHOUT APPROVAL OF DESIGNER/ STORE PLANNER.
13. GENERAL CONTRACTOR SHALL SUBMIT SAMPLES OF EACH COLOR AND FINISH FOR DESIGNER/ STORE PLANNER'S APPROVAL.
14. UNLESS OTHERWISE NOTED:

    -GYP-BOARD TO BE FLAT EGGSHELL
    -TRIM/ DOORS TO BE LOW SHEEN SEMI-GLOSS
    -DOORS TO BE BRUSHED NOT ROLLED.

GYPSUM WALL BOARD

1. PROVIDE GYPSUM WALL PANELS MANUFACTURED IN ACCORDANCE WITH REQUIREMENTS OF ASTM 336.
2. PROVIDE TYPE"X" FIRE RETARDANT GYPSUM WALL BOARD PANELS 5/8" THICK, TESTED AND QUALIFIED FOR 1-HOUR RATING, TAPERED AND ROUNDED AT EDGES AS INDICATED ON DRAWINGS.
3. PROVIDE METAL EDGE AND CORNER BEADS AT ENDS, EDGES AND CORNERS.
4. WATER RESISTANT GYPSUM WALL BOARD SHALL BE 5/8" THICK, QUALIFIED FOR 1-HOUR RATING, TAPERED AN ROUNDED EDGES AND BE INSTALLED IN ALL WET AREAS AS INDICATED ON DRAWINGS.
5. FOR CONTROL JOINTS, PROVIDE U.S. GYPSUM #093 OR APPROVED EQUAL. INSTALL IN LOCATIONS AS RECOMMENDED BY INDUSTRY STANDARDS AND IN COMPLIANCE WITH U.S. GYPSUM STANDARDS.
6. PROVIDE FASTENERS IN ACCORDANCE WITH ASTM C646; UNLESS OTHERWISE NOTED OR INDICATED, PROVIDE TYPE "S" BUGLE HEAD SCREWS FOR ATTACHMENT OF WALL BOARD TO METAL FRAMING, AND TYPE "S" PAN HEAD SCREWS FOR ATTACHMENT OF FRAMING TO DOOR FRAMES.
7. PROVIDE ALL INCIDENTAL AND ACCESSORY MATERIALS, TOOLS, EQUIPMENT, AND METHODS REQUIRED FOR SATISFACTORY COMPLETION OF GYPSUM WALL BOARD CONSTRUCTION INCLUDING ACCESS DOORS AND PANELS.
8. APPLY CONTINUOUS BEAD OF SEALANT AT ALL JOINTS OF WALL BOARD ABUTTING ADJACENT CONSTRUCTION, INCLUDING AROUND FRAMED OPENINGS AND OTHER PROTRUSIONS THROUGH WALL BOARD. WHERE SEALANT IS EXPOSED, PROVIDE POLY-SULFIDE SEALANT; WHERE UNEXPOSED, PROVIDE ACOUSTIC SEALANT.
9. APPLY PRE-FILL COMPOUND TO JOINTS IN ACCORDANCE WITH INDUSTRY STANDARDS. APPLY EMBEDDING COMPOUND REINFORCING TAPE CENTERED OVER JOINT; APPLY SKIM COAT. AFTER TAPING AND EMBEDDING COMPOUND IS DRY, APPLY SECOND COAT FILLING AND TAPER FLUSH WITH SURFACE; NO SECOND COAT REQUIRED AT INTERIOR ANGLES. FIRE TAPE PENETRATIONS AT DEMISING WALLS, CORRIDOR ENVELOPE AND OTHER RATED ASSEMBLIES.
10. AT DEMISING WALLS, CORRIDOR ENVELOPE AND OTHER RATED ASSEMBLIES. BLEMISH, READY TO RECEIVE PAINT.

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

GENERAL NOTES

SHEET NUMBER

GN-1

GENERAL NOTES

DIVISION 9 - FINISHES CONT'D.

PLASTIC LAMINATE

1. INSTALL LAMINATES ONLY WHEN RECEIVING SURFACES ARE IN A SATISFACTORY CONDITION FOR INSTALLATION.
2. USE ADHESIVES RECOMMENDED BY THE MANUFACTURER FOR THE PARTICULAR APPLICATION. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOST CURRENT PRINTED APPLICATION INSTRUCTIONS.
3. PROTECT FROM DAMAGE BY OTHER TRADES WORKING ADJACENT TO THE INSTALLATION REPLACE DAMAGED SURFACES WITHOUT EXTRA COSTS TO THE TENANT.
4. REMOVE EXCESS ADHESIVES AND CLEAN SURFACES USING MANUFACTURER'S RECOMMENDED SOLVENT AND CLEANING PROCEDURES.
5. FILL IN ALL SEAMS WITH MANUFACTURER'S APPROPRIATE COLOR SEAM COMPOUND.
6. INSTALL PLASTIC LAMINATE IN ACCORDANCE WITH DIVISION 6.

GLASS & GLAZING

1. PROVIDE LAMINATED GLASS, GRADE "B", STYLE #1, TYPE "1", QUALITY 03, 1/2" THICK, UNLESS OTHERWISE NOTED. ALL GLASS TO BE CLEAR.
2. ALL GLASS EDGES SHALL BE GROUND SMOOTH & POLISHED.
3. GENERAL GLASS SHALL BE q3 IN ACCORDANCE WITH FEDERAL SPECIFICATIONS DD-G-451 AND FGMA GLAZING MANUAL.
4. STOREFRONT GLASS SHALL BE AS REQUIRED FOR THE SIZES AND CONDITIONS DETAILED. FRAME SECTION SHALL BE EXPOSED WHERE INDICATED. SEE SECTION DETAIL.
5. PROVIDE RESILIENT NEOPRENE BLOCKS 70 TO 90 SHORE A DUROMETER HARDNESS AND RESILIENT ACCESSORIES DESIGNED FOR POSITIONING GLASS IN RABBETS.
6. PROVIDE CLIPS OF NON-CORROSIVE METAL WITH ROUNDED EDGES DESIGNED FOR CONTACT BLOCKS OF GLASS.
7. PROVIDE STANDARD PREFORMED GLAZING TAPE, STANLOCKE 400, TRIMCO 440, OR APPROVED.
8. PROVIDE NON-SHRINKING ELASTROMERIC TAPE WHERE REQUIRED.
9. USE SILICONE SEALANT DOW #795 OR GE SILPRUF, CLEAR, OR APPROVED EQUAL. USE ONLY IF REQUIRED BY LOCAL BUILDING CODES, OTHERWISE ALL STOREFRONT GLASS SHALL HAVE A 1/4" VERTICAL CLEAR SPACE BETWEEN GLASS PANELS.
10. ALL EDGES, DRILLED HOLES AND NOTCHES SHALL BE FACTORY CUT AND/OR FACTORY FORMED TOUCH UP "RAW" EDGES TO MATCH FRAME.
11. INSTALL IN ACCORDANCE WITH FGMA RECOMMENDATIONS UNLESS NOTED OTHERWISE.
12. VERIFY THAT FRAMES TO RECEIVE GLAZING ARE SQUARE AND TRUE, THAT PERIMETER CLEARANCES ARE SUFFICIENT TO PREVENT "POINT LOADING" AND THAT SURFACES ARE CLEAN, DRY AND READY TO RECEIVE GLAZING MATERIALS. REMOVE ALL PROTECTIVE COATINGS FROM FRAMING SURFACES.
13. CENTER GLASS IN RABBETS AND POSITION SO AS TO MAINTAIN CLEARANCES ON ALL SIDES, INDOORS AND OUT, IN ACCORDANCE WITH FGMA RECOMMENDATIONS. SHIM AS REQUIRED TO POSITION AGAINST FIXED STOPS AND FRAME BARS.
14. SET ALL EXTRUSIONS IN CORRECT LOCATIONS AS SHOWN IN THE DETAILS. THEY SHALL BE LEVEL, FLUSH, SQUARE, PLUMB AND IN ALIGNMENT WITH OTHER WORK.
15. UPON COMPLETION, REMOVE ALL EXCESS SEALANT AND MATERIALS FROM SURFACES; WASH AND CLEAN ALL GLASS FRAMING MEMBERS.

SUSPENDED CEILING SYSTEM

1. SYSTEM COMPONENTS SHALL CONFORM TO ASTM C635 INTERMEDIATE DUTY AND UBC STANDARD 47-18 INTERMEDIATE DUTY. INSTALLATION OF SYSTEMS SHALL CONFORM TO ASTM C636, WITH A DEFLECTION OF NOT MORE THAN 1/360 OF THE SPAN.
2. FURNISH ALL LABOR AND MATERIALS REQUIRED FOR A COMPLETE SUSPENDED CEILING SYSTEM. REVIEW JOB SCHEDULE TO VERIFY INSTALLATION DATES AND MATERIAL AVAILABILITY.
3. COORDINATE CEILING SUSPENSION SYSTEM WORK WITH OTHER WORK, SUCH AS CEILING LIGHT FIXTURES AND AIR OUTLETS. PROTECT FINISHED WORK INSTALLED BEFORE INSTALLATION OF CEILING SUSPENSION SYSTEM. REPLACE WORK DAMAGED BY WORK UNDER THIS SECTION.
4. THE TENANT'S G.C. SHALL MAINTAIN FIRE AND SMOKE RATINGS AS REQUIRED BY CODES AND LANDLORD'S SPECIFICATIONS AND REGULATIONS.
5. ALL LOCKING CROSS TEES SUPPORTING OTHER CROSS TEES SHALL CONFORM TO THE SAME CLASSIFICATION AS THE MAIN RUNNERS. MAIN RUNNERS AND CROSS TEES SHALL BE COLD ROLLED ELECTO-GALVANIZED STEEL.
6. WALL ANGLE MOLDINGS SHALL BE COLD ROLLED ELECTRO-GALVANIZED STEEL.
7. CORNERS SHALL BE MANUFACTURER'S PREFABRICATED INSIDE AND OUTSIDE CORNER MOLDINGS.
8. FINISH SHALL BE BAKED ENAMEL IN SELECTED COLOR.
9. HANGER WIRE SHALL BE 12 GAUGE GALVANIZED STEEL WIRE CONFORMING TO FS QQ-W-461, TYPE 1, UNLESS NOTED OTHERWISE.
10. INSPECT LOCATIONS TO RECEIVE WORK AND CHECK THE EXISTING DIMENSIONS. ASCERTAIN BEFORE PROCEEDING WITH WORK THAT ALL REQUIRED INSPECTIONS HAVE BEEN MADE. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF RESPONSIBILITY RELATED TO GUARANTEE REQUIREMENTS.
11. THE BUILDING SHALL BE EXAMINED BEFORE BEGINNING WORK TO DETERMINE THAT IT IS PROPERLY ENCLOSED AND THE STRUCTURE IS IN PROPER CONDITION TO RECEIVE ACOUSTICAL CEILING SYSTEM.
12. THE AREA SHALL BE BROOM CLEANED AND UNINTERRUPTED FOR FREE MOVEMENT OF SCAFFOLDING. SCAFFOLDING SHALL BE OF A TYPE THAT WILL NOT SCAR OR MAR FLOOR SURFACES AND WILL NOT DAMAGE OTHER CONSTRUCTION. WORK NOT TO PROCEED UNTIL SATISFACTORY CONDITIONS DESCRIBED ABOVE PRESIDE.
13. ATTACH HANGER WIRE TO SOUND, SECURE STRUCTURAL MEMBERS CAPABLE OF CARRYING THE NEW LOAD WITHOUT DEFLECTION. WRAP, BOLT, OR CLIP WIRE HANGERS TO STRUCTURAL STEEL MEMBERS, OR INSTALL DROP CLIPS ON STRUCTURAL STEEL MEMBERS AND TIE WIRE HANGERS TO DROP CLIPS.
14. INSTALL SUPPLEMENTARY FRAMING, BLOCKING AND BRACING WHERE NECESSARY TO SUSPEND CEILING SYSTEM FIXTURES AND EQUIPMENT AND WHERE SPACING OF STRUCTURAL SUPPORTS EXCEEDS SPECIFIED HANGER SPACING. WHERE DIRECT SUSPENSION OF SUPPLEMENTARY FRAMING FOR SUPPORT OF EQUIPMENT, FIXTURE OR DUCTWORK IS NOT POSSIBLE DUE TO OBSTRUCTIONS, SUPPLEMENTARY FRAMING MAY BE SUSPENDED BY "TRAPEZE" ARRANGEMENT OF HANGER WIRE. SUSPEND LIGHT FIXTURES FROM STRUCTURE BY ATTACHMENT OF ONE HANGER AT EACH CORNER OF THE FIXTURE
15. FURNISH ADDITIONAL WIRES FOR LIGHTING FIXTURES AND MECHANICAL REGISTERS IN SUSPENDED CEILING. PROVIDE SEISMIC BRACING AS REQUIRED.
16. INSTALL CEILING SUSPENSION SYSTEM IN ACCORDANCE WITH ASTM C636. LOADING OF ANY COMPONENT MAY NOT CAUSE DEFLECTION OF MORE THAN 1/360 OF THE SPAN. USE LASER LIGHT FOR LAYOUT AND LEVELING.
17. INSTALL MAIN RUNNERS 48 INCHES O.C. TIE HANGER WIRES TO MAIN RUNNERS TIGHTLY WITH AT LEAST THREE FULL TURNS. INTERCONNECT MAIN RUNNERS BY LOCKING CROSS TEES 48 INCHES LONG TO FORM 24 INCH BY 48 INCH MODULES. WHOEVER SHOWN ON THE DESIGN PLANS, THESE MODULES SHALL BE DIVIDED BY CROSS TEES 24 INCHES LONG INSTALL PERPENDICULAR TO THE OTHER CROSS TEES TO FORM 24 INCH BY 24 INCH SECTIONS. PROPER LENGTH LOCKING CROSS TEES SHALL ALSO BE INSTALLED ADJACENT TO ALL SIDES OF RECESSED LIGHT FIXTURES NOT SUPPORTED BY A MAIN RUNNER. (UNLESS OTHERWISE SPECIFIED).
18. ALL SUSPENDED CEILINGS SHALL BE BRACED TO RESIST LATERAL AND HORIZONTAL MOVEMENT AS REQUIRED BY THE GOVERNING CODES. THE TENANT'S G.C. SHALL VERIFY ALL APPLICABLE CODES AND CONFORM.
19. CUT TILES TO MATCH FIELD PATTERN RECESS. ANY ACOUSTICAL CEILING PANELS LESS THAN FULL SIZE SHALL HAVE CUT EDGES TRIMMED TO MATCH FACTORY REGULAR EDGES. SUSPENDED CEILING SHALL INTERSECT ALL VERTICAL WALLS AT 90 DEGREES UNLESS OTHERWISE NOTED. PAINT ALL CUT EDGES TO MATCH CEILING COLOR.
20. UPON COMPLETION OF WORK FOLLOWING INSTALLATION OF SUSPENSION SYSTEMS, DIRTY OR DISCOLORED SURFACES OF SUSPENSION COMPONENTS SHALL BE CLEANED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND LEFT FREE FROM DEFECTS. COMPONENTS THAT ARE DAMAGED OR IMPROPERLY INSTALLED SHALL BE REMOVED AND REPLACED WITHOUT ADDITIONAL COST TO THE TENANT.
21. LEAVE FOUR, FULL, UNDAMAGED TILES AT JOBSITE.
22. ENSURE ACT GRID SUSPENSION SYSTEM IS APPROPRIATE FOR SEISMIC ZONE.

DIVISION 9 - FINISHES CONT'D.

FIBERGLASS REINFORCED PANELS

1. PROVIDE WHITE TYPE I/A PANELS CONFORMING TO STANDARD BUILDING CODE REQUIREMENTS CONCERNING FLAMMABILITY AND SMOKE DEVELOPMENT. FOLLOW MANUFACTURERS RECOMMENDED METHOD FOR INSTALLATION.

TILE/ TILE BASE

1. INSTALL TILE IN AREAS INDICATED FROM LEASE LINE TO TRANSITION. USE ADHESIVES AND APPLY ONLY AS RECOMMENDED BY MANUFACTURER AND IN ACCORDANCE WITH INDUSTRY STANDARDS.
2. INSTALLERS MUST BE SPECIALISTS WITH A MINIMUM OF TWO (2) YEARS EXPERIENCE.
3. THE MATERIALS, PREPARATION AND INSTALLATION SHALL CONFORM TO THE AMERICAN NATIONAL STANDARD INSTITUTE AND TILE COUNCIL OF AMERICA AND THE DETAILED INSTRUCTIONS OF THE MATERIAL'S MANUFACTURER.
4. DO NOT COMMENCE INSTALLATION UNTIL SUBSTRATE HAS BEEN MADE SUITABLE FOR TILE INSTALLATION.
5. REVIEW ALL AREAS TO RECEIVE TILE FLOORING (PRIOR TO SUBMITTING ESTIMATE) TO DETERMINE THE REQUIRED EXTENT OF SUBFLOOR PREPARATION.
6. SET AND GROUT TILE WHEN AMBIENT TEMPERATURE IS AT LEAST 50 DEGREES AND RISING. ALIGN ALL JOINTS AND CORNERS.
7. CLEAN METAL AND WOOD SURFACES AND CONCRETE FLOORS, REMOVING ALL FOREIGN MATTER AND CONTAMINANTS SUCH AS GREASE, OIL, DUST, WATER, SURFACE DIRT, OLD SEALANTS OR GLAZING COMPOUNDS, AND PROTECTIVE COATINGS. METAL SHALL BE CLEANED BY MECHANICAL OR SOLVENT PROCEDURES.
8. INSTALL TILE TO CONCRETE SUBSTRATE PER TCA STANDARD F113-89 WITH UNIFORMLY SPACED JOINTS AS SPECIFIED, TO PATTERN INDICATED IN PLANS, OR AS SPECIFIED BY L.L. VERIFY LAYOUT AND CUTS WITH PROJECT MANAGER PRIOR TO COMMENCEMENT OF WORK. CUT TILE AT WALL INTERSECTIONS FOR CONCEALMENT BY BASE WHERE APPLICABLE. VARY MORTAR THICK NESS, AS NECESSARY, TO ACCOMMODATE VARIATIONS IN THE TILE THICKNESS.
9. CLOSE AREAS IN WHICH TILE IS BEING PLACED TO TRAFFIC AND OTHER WORK. KEEP AREA CLOSED UNTIL TILE IS FIRMLY SET.
10. INSTALL TILE TO WOOD SURFACES AND ALUMINUM GLAZING CHANNEL AND METAL BASE WITH DOW CORNING 795 SILICONE BUILDING SEALANT, BEADS AT 6" ON CENTER MAXIMUM.(IF SPECIFIED)
11. GROUT FLUSH WITH TILE EDGES. WIPE TILES WITH CHEESE CLOTH INSTEAD OF SPONGE.
12. DAMP CURE PER MORTAR AND GROUT MANUFACTURER'S RECOMMENDATIONS.
13. SEAL TILE PER MANUFACTURER'S WRITTEN INSTRUCTIONS WITH SEALER RECOMMENDED FOR THE TILE INSTALLED. DOUBLE SEAL ALL JOINTS.
14. INSTALL TILE BASE PER DETAIL AND SPECS, INCLUDING ANY BUILDING/ HEALTH CODES.
15. PROVIDE PRE-MOLDED INSIDE AND OUTSIDE CORNERS FOR ALL CONDITIONS AT WHICH CORNERS ARE TO BE USED. JOB MITERING SHALL BE PERMITTED ONLY UPON TENANT'S APPROVAL.
16. USE ADHESIVES ONLY AS RECOMMENDED BY THE MANUFACTURER OF THE MATERIAL TO WHICH IT IS APPLIED.
17. CAREFULLY INSPECT ALL SURFACES TO RECEIVE BASE PRIOR TO INSTALLATION. REPAIR DAMAGED SURFACES PRIOR TO INSTALLATION.
18. UPON COMPLETION, IMMEDIATELY REMOVE ALL SURPLUS ADHESIVE FROM ADJACENT SURFACES, IN ACCORDANCE WITH THE TIMING RECOMMENDED BY THE MANUFACTURER, USING MATERIALS RECOMMENDED FOR THAT PURPOSE BY THE MANUFACTURER.
19. CONTRACTOR TO INSPECT SURFACES TO RECEIVE TILE BEFORE STARTING INSTALLATION. NOTIFY GENERAL CONTRACTOR OF ANY DEFECTS OR CONDITIONS THAT WILL PREVENT SATISFACTORY TILE INSTALLATION.
20. PROTECT TILE FROM DAMAGE. REPLACE ANY DAMAGED TILE CAUSED BY WORKMEN WITHOUT ADDITIONAL COST TO OWNER.
21. LAY OUT FLOORING SO THAT NO LESS THAN ONE-HALF (1/2) SIZE OCCURS. ALIGN ALL JOINTS IN BOTH DIRECTIONS.
22. NO TILE EDGE OR CORNER WILL BE ALLOWED TO BE HIGHER OR LOWER THAN THE ADJACENT TILE EDGE OR CORNER.
23. CLEAN ALL TILE AFTER GROUTING.

DIVISION 10 -SPECIALTIES

TOILET ACCESSORIES (F.O.I.C.)

N/A

FIRE EXTINGUISHERS (FURNISHED & INSTALLED BY TENANT'S G.C.)

1. EXTINGUISHERS SHALL BE 10-POUND CAPACITY, U.L. LABELS, ENAMEL, STEEL CONTAINER WITH PRESSURE INDICATING GAUGE FOR CLASS A, B, OR C FIRES.
2. IF REQUIRED TO MOUNT FIRE EXTINGUISHER IN SALES AREA INSTALL FIRE EXTINGUISHER CABINET RECESSED IN WALL (LOCATION TO BE DETERMINED BY STORE PLANNER) CABINET TO BE "LARSEN'S MANUFACTURING" 2409-R RECESSED CABINET 1-800-527-7367 FINISH TO BE POLISHED STAINLESS STEEL.
3. SUPPLY AT LEAST ONE (1) 2A 10BC FIRE EXTINGUISHER.

HARDWARE

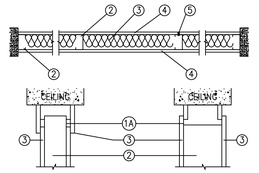
1. ALL FINISH HARDWARE FOR COMPLETE WORK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS. QUANTITIES LISTED IN ANY INSTANCE ARE FOR THE CONTRACTORS CONVENIENCE ONLY AND ARE NOT GUARANTEED. ITEMS NOT SPECIFICALLY MENTIONED BUT NECESSARY TO COMPLETE THE WORK SHALL BE FURNISHED. MATCHING IN QUALITY AND FINISH, THE ITEMS SPECIFIED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER OPERATION AND FITTING OF HARDWARE IN LOCATIONS SPECIFIED. THE CONTRACTOR MUST SUPPLY A ROOM UNDER LOCK AND KEY TO STORE ALL FINISH HARDWARE UNTIL INSTALLATION IS MADE. THE HARDWARE SUPPLIER MUST MARK EACH ITEM OF HARDWARE AS TO DESCRIPTION AND LOCATION OF INSTALLATION IN ACCORDANCE WITH APPROVED HARDWARE SCHEDULE. EXPOSED SURFACES OF HARDWARE SHALL BE COVERED AND WELL PROTECTED DURING INSTALLATION, SO AS TO AVOID DAMAGE TO FINISHES.
3. PROVIDE HARDWARE FOR FIRE-RATED OPENINGS IN COMPLIANCE WITH REQUIREMENTS OF NFPA 80. THIS REQUIREMENT TAKES PRECEDENCE OVER OTHER REQUIREMENTS FOR SUCH HARDWARE.
4. HARDWARE FINISH SHALL BE AS SPECIFIED.
5. HARDWARE SUPPLIER WILL PROVIDE APPROVED SCHEDULED AND PAPER TEMPLATES TO VARIOUS OTHER SUPPLIERS FOR DOOR AND FRAME PREPARATION FOR HARDWARE.
6. FURNISH AND INSTALL FINISH HARDWARE, CYLINDERS, AND KEYS: "BEST" SEVEN PIN ROD.
7. EACH ITEM OF HARDWARE SHALL BE PACKAGED SEPARATELY WITH ALL NECESSARY SCREWS, BOLTS, TAMPINS, KEYS AND INSTALLATION TEMPLATES. DELIVER PACKAGES, CLEARLY IDENTIFIED, WITH HEADING NUMBER AS APPROVED ON HARDWARE SCHEDULE.
8. INSTALL EACH HARDWARE ITEM IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AN RECOMMENDATIONS AND LOCATE IN ACCORDANCE WITH RECOMMENDED LOCATIONS. SET ITEMS LEVEL, PLUMB, AND TRUE TO LINE AND LOCATION. ADJUST AND REINFORCE THE ATTACHMENT SUBSTRATE, AS NECESSARY, FOR A SECURE INSTALLATION. SPACE FASTENERS AND ANCHORAGES AS INDICATED OR IN ACCORDANCE WITH INDUSTRY STANDARDS.
9. MAKE FINAL ADJUSTMENT AND CHECK OF HARDWARE DURING THE WEEK IMMEDIATELY PRIOR TO ACCEPTANCE. CLEAN AND RE-LUBRICATE OPERATING ITEMS, AS NECESSARY, TO RESTORE PROPER FUNCTIONING AND FINISH OF HARDWARE AND DOORS. MAKE FINAL ADJUSTMENT OF LOCK SETS AND THE CLOSERS TO COMPENSATE FOR OPERATION OF HEATING AND VENTILATION SYSTEMS UNDER THE SUPERVISION OF MANUFACTURER'S REPRESENTATIVE.
8. LUBRICATE ALL MOVING PARTS WITH GRAPHITE-TYPE LUBRICANT, UNLESS OTHERWISE RECOMMENDED BY MANUFACTURER. REPLACE ALL HARDWARE WHICH CANNOT BE LUBRICATED AND ADJUSTED TO OPERATE FREELY AND SMOOTHLY.

ADDITIONAL NOTES

ADDITIONAL GENERAL NOTES TO ALL INTERIOR CONTRACTORS

1. ALL WORK SHALL BE LIMITED TO THAT SHOWN ON THE DRAWINGS. NO ADDITIONAL SHALL BE DONE WITHOUT PRIOR WRITTEN APPROVAL OF THE TENANT OR TENANT'S REPRESENTATIVE. ANY ADDITIONAL WORK PERFORMED WITHOUT THIS CONSENT SHALL BE DONE AT THE CONTRACTOR'S SOLE EXPENSE.
2. CONTRACTOR TO GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR FROM DATE OF PROJECT ACCEPTANCE.
3. ALL CONCEALED WOOD BLOCKING OR BRACING REQUIRED FOR THIS PROJECT TO BE TREATED FIRE RETARDANT LUMBER, UNLESS OTHERWISE NOTED.
4. ALL GYPSUM WALLBOARD CONSTRUCTION SHALL CONFORM TO RECOMMENDATIONS AND INSTRUCTIONS PUBLISHED BY U.S. GYPSUM COMPANY IN THE GYPSUM CONSTRUCTION HANDBOOK.
5. CONTRACTOR SHALL SUPPLY STORE PLANNER WITH (2) COPIES OF BROCHURES, CUTS, SHOP DRAWINGS, OPERATIONS MANUALS AND MAINTENANCE MANUALS FOR ALL EQUIPMENT INSTALLED ON THIS PROJECT. SUBMITTALS ARE REQUIRED PRIOR TO FINAL PAYMENT OF THIS PROJECT.
6. UNLESS OTHERWISE NOTED INSIDE FACE OF DOOR AT HINGED SIDE SHALL BE LOCATED 6" FROM CENTERLINE OF ADJACENT PERPENDICULAR PARTITION. CONTRACTOR SHALL LEAVE 1'-6" CLEAR AT LEVER SIDE OF DOOR PER ADA REQUIREMENTS. ALL HANDLES SHALL BE LEVER TYPE WITH DOOR CLOSERS, LOCKS SHALL BE INSTALLED WHERE NOTED ONLY.
7. CONTRACTOR SHALL SUBMIT TO STORE PLANNER FOR APPROVAL LOCATIONS OF THERMOSTATS AND A/C AND HEAT CONTROLS PRIOR TO INSTALLATION. MECHANICAL DRAWINGS SHALL BE AVAILABLE FOR REVIEW BY STORE PLANNER PRIOR TO INSTALLATION.
8. CONTRACTOR SHALL LABEL ALL CIRCUITS WITHIN ELECTRICAL PANEL. CONTRACTOR SHALL GROUP FLUORESCENT AND INCANDESCENT LIGHTING SEPARATELY.
9. IF APPLICABLE, CONTRACTOR SHALL TAG ALL WATER SHUT OFFS. PROVIDE LANDLORD WITH LOCATION ALL UTILITY SHUT-OFFS.
10. SWITCHES DENOTE LOCATION AND TYPE ONLY, CIRCUITS TO BE DETERMINED BY ELECTRICAL CONTRACTOR ABIDING BY ALL STATE AND LOCAL BUILDING CODES.
11. NO SURFACE MOUNTED CONDUIT SHALL BE ALLOWED UNLESS LOCATIONS ARE SHOWN AND APPROVED BY TENANT AND/OR TENANT'S REPRESENTATIVE. CONTRACTOR TO ALERT STORE PLANNER FIRST.
12. ALL NEW RECESSED STANDARDS ARE TO BE HEAVY-DUTY AND INSTALLED AT HEIGHTS AND LENGTHS SPECIFIED ON ELEVATIONS AND/OR SECTIONS AND ON CENTERS SPECIFIED (USUALLY 18" OR 24"). MINIMUM DISTANCES MUST BE MAINTAINED BETWEEN STANDARDS AND END WALLS OR CORNER FILLERS (9" WHEN STANDARDS ARE 18" O.C. AND 12" WHEN STANDARDS ARE 24" O.C.).
13. GENERAL CONTRACTOR TO LEVEL ALL SLOTTING IN RECESSED AND SURFACE MTD STANDARD INSTALLATIONS SO ALL HARDWARE INSTALLS LEVEL AND EVEN IN FIELD. CONTRACTOR TO ALIGN AND FLOAT LEVEL ALL SLOTTING.
14. G.C. TO REMOVE ALL PARTITIONS, FIXTURE-WORK, ELECTRICAL AND FLOORING MATERIALS AS SHOWN IN DOTTED LINES AND/OR ON DEMOLITION PLANS.
15. FINAL CLEAN-UP OF DEMOLITION OR CONSTRUCTION DUST SHALL BE THE RESPONSIBILITY OF THE G.C.
16. G.C. TO SAVE AND SAFELY STORE ALL MATERIALS SLATED FOR REUSE OR REINSTALLATION. ITEMS TO BE SAVED, BUT NOT REUSED IN THIS PROJECT ARE TO BE HANDLED ACCORDING TO INSTRUCTIONS IN DRAWINGS OR AS INSTRUCTED BY OWNER.
17. ALL CONTRACTORS AND SUB-CONTRACTORS TO ABIDE BY OWNER'S RULES AND REGULATIONS FOR SECURITY , FIRE PROTECTION AND CUSTOMER/EMPLOYEE SAFETY.
18. G.C. SHALL OBTAIN ALL NECESSARY PERMITS FROM GOVERNING AUTHORITIES PRIOR TO THE COMMENCEMENT OF WORK AND SHALL CALL FOR INSPECTIONS ON A TIMELY BASIS, IN THE INTEREST OF THE EARLIEST POSSIBLE COMPLETION DATE OF THE PROJECT.
19. NO ELECTRICAL OR HVAC WORK SHALL COMMENCE WITHOUT PRIOR CONSULTATION AND DIRECTION FROM OWNER'S MAINTENANCE AND ENGINEERING OFFICE (AS RELATES TO CIRCUITING, PANELS EMS, AIR SUPPLY, SPRINKLERS AND ELECTRICAL/ MECHANICAL FIXTURES/ MATERIALS.),
20. ALL NEW OR RELOCATED DOORS TO STOCK AREAS TO HAVE DOOR CLOSERS. ALL HARDWARE AND LOCK SETS ARE TO COMPLY W/ OWNER'S CONSTRUCTION STANDARDS. G.C. TO VERIFY.
21. ALL WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER ALL OTHERS. DO NOT SCALE DRAWINGS! ALL CONTRACTORS ARE TO VERIFY ALL FIELD DIMENSIONS AND TO ALERT TENANT'S REPRESENTATIVE AND/OR STORE PLANNER OF ANY DISCREPANCIES PRIOR TO CONTINUING WORK.
22. ALL MATERIALS AND CONSTRUCTION ARE TO COMPLY WITH PLANNER'S DRAWINGS. ANY SUBSTITUTIONS WILL NOT BE ACCEPTED WITHOUT APPROVAL OF OWNER'S REPRESENTATIVE AND/ OR DESIGNER.
23. UNLESS OTHERWISE NOTED, VERTICAL PLASTIC LAMINATE SURFACES ARE TO BE GLOSSY AND HORIZONTAL SURFACES TEXTURED.
24. BACK SURFACES OF ALL OPEN VALENCES ARE TO BE PAINTED WHITE BY THE FIXTURE CONTRACTOR (F.C.)
25. ALL FABRIC AND PAINT TO CARRY BEHIND BUNKERS, CUBE UNITS, ETC. TO 4" BASE IN ALL CASES. WHERE NO CRATE OR ACRYLIC SOFFIT IS SHOWN, PAINT CONTRACTOR(P.C.) TO CARRY WALL FINISH UP TO CEILING.
26. F.C. TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

UL DETAILS



DESIGN NO. U465
NONBEARING WALL RATING – 1HR.

1. FLOOR AND CEILING RUNNERS -(NOT SHOWN)-CHANNEL SHAPED RUNNERS, 3 5/8 IN. WIDE (MIN), 1-1/4 IN. LEGS, FORMED FROM NO. 25 MSG (MIN) GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. O.C. MAX.

1a. AS AN ALTERNATE TO ITEM 1 CEILING RUNNER*-25 MSG MIN GALV STEEL WIDTH TO ACCOMODATE STUD, WITH 3 OR 4 IN. LEGS OFFSET AT MIDPOINT 5/8 IN. TO ACCOMODATE WALL CLADDING THICKNESS. ATTACHED TO CEILING WITH FASTENERS SPACES 24 IN. O.C. THE WALL CLADDING SHALL OVERLAP WALLBOARD 1-1/4" IN. MIN. FIRE TRACK CORP.

2. STEEL STUDS-CHANNEL SHAPED, 3-5/8 IN. WIDE (MIN), 1-1/4 IN. LEGS, 3/8 IN. FOLDED BACK RETURNS, FORMED FROM NO. 25 MSG (MIN) GALV STEEL SPACED 24 IN. OC MAX.

3. BATTS AND BLANKETS*-(OPTIONAL)-MINERAL WOOD OR GLASS FIBER BATTS PARTIALLY OR COMPLETELY FILLING STUD CAVITY. SEE BATTS AND BLANKETS (BZJZ) CATEGORY FOR THE NAMES OF CLASSIFIED COMPANIES.

4. WALLBOARD, GYPSUM*-5/8 IN. THICK, 4 FT. WIDE, ATTACHED TO STEEL STUDS AND FLOOR AND CEILING TRACK WITH 1 IN. LONG, TYPE 2 SELF-TAPPING STEEL SCREWS SPACED 8 IN. OC ALONG EDGES OF BOARD AND 12 IN. OC IN THE FIELD OF THE BOARD. JOINTS ORIENTED VERTICALLY AND STAGGERED ON OPPOSITE SIDES OF THE ASSEMBLY. WHEN ATTACHED TO ITEM 6 (FURRING CHANNELS), WALLBOARD IS SCREW ATTACHED TO FURRING CHANNELS WITH 1 IN. LONG, TYPE S STEEL SCREWS SPACED 12 IN. OC.

BOREAL GYPSUM INC. - TYPE BG-C.
CANADIAN GYPSUM CO, LTD - TYPES C, SCX, SHX, WRX.
CONTINENTAL GYPSUM COMPANY - TYPE CG-C.
DOMTAR GYPSUM INC. - TYPE 5 OR C.
EAGLE-GYPSUM PRODUCTS - TYPE EG-C.
GEORGIA-PACIFIC CORP., GYPSUM DIV. - TYPE GPFS-6 OR GPFS-C.
NATIONAL GYPSUM CO., CHARLOTTE, NC - TYPE FSK-G, FSW-G.
NATIONAL GYPSUM CO., RIYADH, SAUDI ARABIA - TYPE FR OR WR.
PABCO GYPSUM CO. - TYPE PG-C.
REPUBLIC GYPSUM CO., - TYPE RG-C.
STANDARD GYPSUM CORP., - TYPE SG-C.
TEMPLE-INLAND FOREST PRODUCTS CORP. - TYPE TP-5.
UNITED STATES GYPSUM CO. - TYPE AR, C, IP-X2, SCX, SHX, WRC, OR WRX.
WESTROC INDUSTRIES LTD. - TYPE WESTROC FIREBOARD.

4a. WALLBOARD, GYPSUM*-(AS AN ALTERNATE TO ITEM 4)-NOM 3/4 IN. THICK, 4 FT. WIDE, INSTALLED AS DESCRIBED IN ITEM 4 WITH SCREW LENGTH INCREASED TO 1-1/4 IN.

UNITED STATES GYPSUM CO. - TYPE AR.

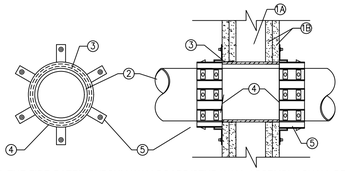
4b. WALLBOARD, GYPSUM*-(AS AN ALTERNATE TO ITEMS 4 AND 4A)-5/8 IN. THICK INSTALLED AS DESCRIBED IN ITEM 4. JOINT COVERING (ITEM 5) NOT REQUIRED.

UNITED STATES GYPSUM CO. - TYPE WSX.

5. JOINT TAPE AND COMPOUND-VINYL, DRY OR PREMIXED JOINT COMPOUND, APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS; PAPER TAPE, 2 IN. WIDE, WMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS. AS AN ALTERNATE, NOMINAL 3/32 IN. THICK GYPSUM VENEER PLASTER MAY BE APPLIED TO THE ENTIRE SURFACE OF CLASSIFIED VENEER BASEBOARD. JOINTS REINFORCED.

6. FURRING CHANNEL-(OPTIONAL-NOT SHOWN)-RESILIENT 25 MSG GALV STEEL FURRING CHANNELS SPACED VERTICALLY MAX 24 IN. OC, FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1/2 IN. LONG TYPE S-12 PAN-HEAD STEEL SCREWS.
*BEARING THE UL CLASSIFICATION MARKING.

1
UL1
UL DETAIL #U465
SCALE: N.T.S. 1HR RATED WALL



1. WALL ASSEMBLY- THE FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE CONSTRUCTION FEATURES NOTED BELOW. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED. THE HOURLY T RATING IS 1-1/2 HR WHEN INSTALLED IN 2 HR FIRE-RATED WALL, 0 HR WHEN INSTALLED IN 1 HR FIRE-RATED WALL.

A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN LUMBER SPACED 16 IN O.C. STEEL STUDS TO BE MIN 2 1/2 IN. WIDE AND SPACED MAX 24 IN OC.

B. GYPSUM BOARD - NOM 5/8 IN. THICK GYPSUM WALLBOARD, AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IS 8 IN.

2. THROUGH-PENETRANTS - ONE NONMETALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE AND PERIPHERY OF OPENING SHALL BE MIN 1/4 IN. TO MAX. 1 - 1/4 IN. PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF NONMETALLIC PIPES MAY BE USED:

A. POLYVINYL CHLORIDE (PVC) PIPE - NOM 6 IN DIAM (OR SMALLER) SCHEDULE 40 SOLID CORE OR CELLULAR CORE PVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEM.

B. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE - NOM 6 IN DIAM (OR SMALLER) SDR17 CPVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEM.

C. ACRYLONITRILE BUTADIENE STURENE (ABS) PIPE - NOM 6 IN DIAM (OR SMALLER) SCHEDULE 40 SOLID CORE OR CELLULAR CORE ABS PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEM.

D. FLAME RETARDANT POLYPROPYLENE (FRPP) PIPE - NOM 6 IN DIAM (OR SMALLER) SCHEDULE 40 SOLID CORE OR CELLULAR CORE ABS PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEM.

3. METALLIC SLEEVE - NOM 8 IN DIAM (OR SMALLER) SCHEDULE 40 (OR THINNER) STEEL PIPE CAST INTO WALL ASSEMBLY WITH JOINT COMPOUND AND INSTALLED FLUSH WITH WALL SURFACES.

4. METAL COVER PLATE - MIN. 18 GA STEEL WITH MAX I.D. 1/4 IN. LARGER THAN O.D. OF PIPE. MIN O.D. OF COVER PLATE TO BE 2 1/2" LARGER THAN O.D. OF PIPE. INSTALLED BETWEEN COLLAR AND WALL SURFACES.

5. FIRESTOP DEVICE - FIRESTOP COLLAR - FIRESTOP COLLAR SHALL BE INSTALLED IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS. COLLAR TO BE INSTALLED AND LATCHED AROUND THE PIPE AND SECURED TO BOTH SIDES OF THE WALL USING THE ANCHOR HOOKS PROVIDED WITH THE COLLAR. (MINIMUM 2 ANCHOR HOOKS FOR 1-1/2 AND 2 INC. DIAM PIPES, 3 ANCHOR HOOKS ARE TO BE SECURED TO THE SURFACE OF WALL WITH 3/16 BY 2-1/2 IN. LONG TOGGLE BOLTS ALONG WITH WASHERS.

WL2084
UL1
UL DETAIL #WL2084
SCALE: N.T.S. 1 AND 2HR RATED PENETRATIONS (SEE ITEM 1)

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

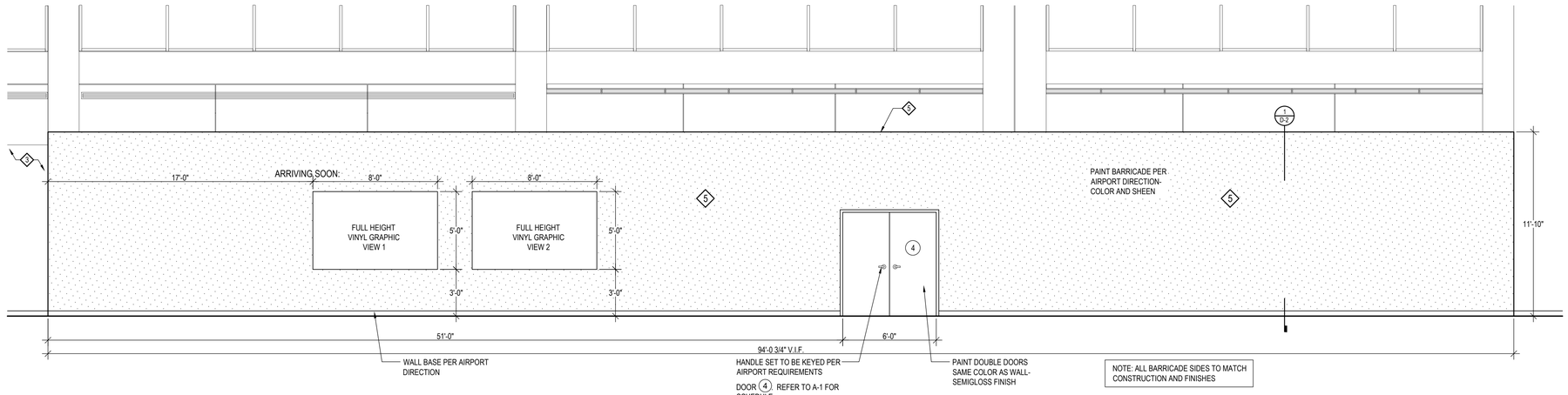
REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

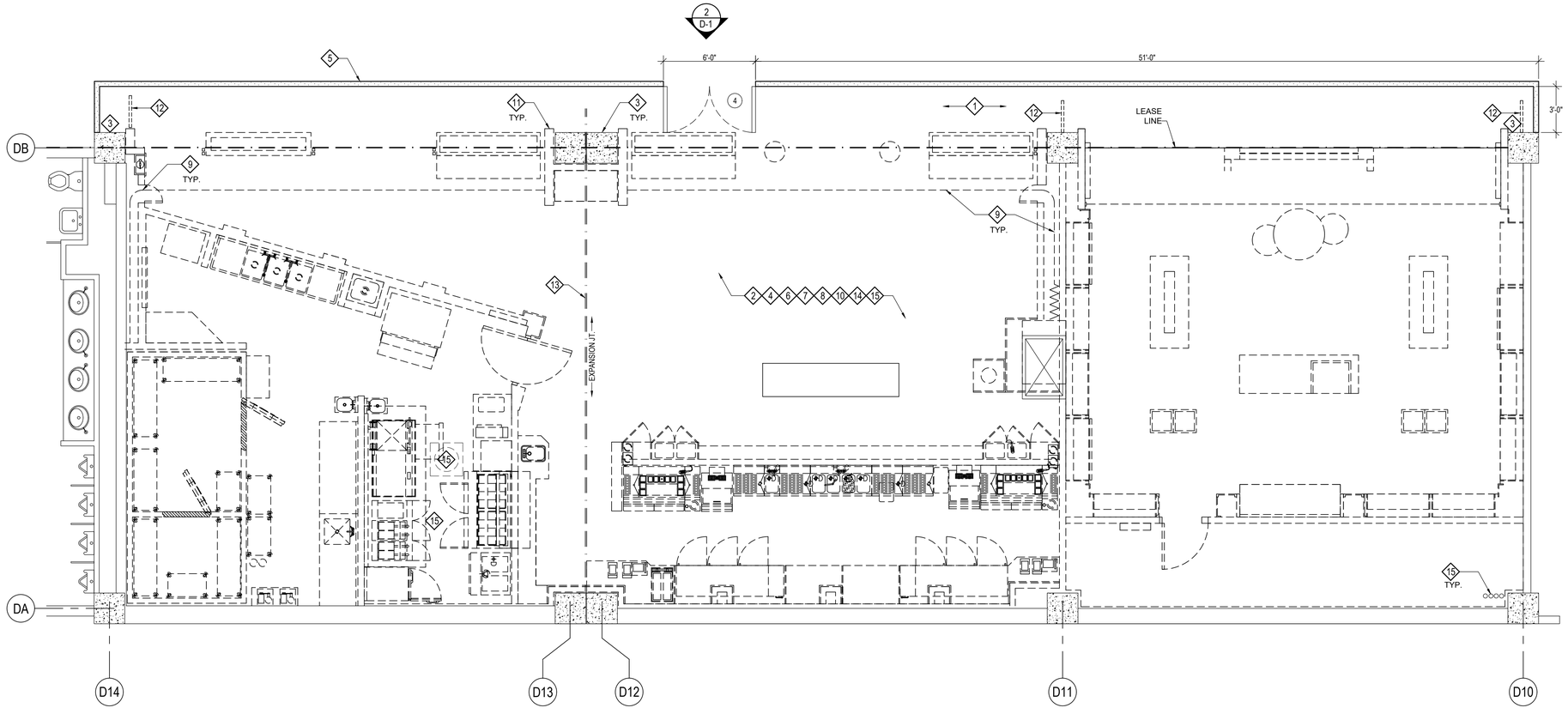
GENERAL NOTES

SHEET NUMBER

GN-2



BARRICADE ELEVATION | 1/4" = 1' - 0" | 2



DEMOLITION/ TEMPORARY BARRICADE PLAN | 1/4" = 1' - 0" | 1

LEGEND

- 4 — KEYNOTE INDICATOR
- EXISTING PARTITIONS TO REMAIN
- NEW BARRICADE WALL
- DEMOLITION

SITE SPECIFIC KEYED NOTES

1. PROTECT EXISTING AIRPORT CONCOURSE FLOORING FROM DAMAGE. G.C. SHALL REPAIR OR REPLACE WITH NEW SPECIFIED FLOORING AS NEEDED.
2. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, AND WIRING NOT SCHEDULED FOR REUSE.
3. G.C. TO REMOVE AIRPORT COLUMN TILES TO ALIGN WITH NEW TILES. REFER TO STOREFRONT SECTIONS A-6.1 FOR DETAILS. PROTECT EXISTING AIRPORT COLUMNS AND FINISHES FROM DAMAGE. GC SHALL REPAIR ANY DAMAGED SURFACES TO LIKE NEW CONDITION.
4. G.C. TO REMOVE ALL EXISTING CEILING ELEMENTS INCLUDING LIGHTING, HVAC DIFFUSERS, FLEX DUCT, GYP AND CEILING TILES SYSTEM. PROTECT HVAC AIR HANDLER, RIGID DUCTING, SPRINKLER AND LIFESAFETY SYSTEMS. SEE ENGINEERING FOR UTILITY REUSE SCOPE.
5. TEMPORARY BARRICADE AS SPECIFIED BY LANDLORD CRITERIA. VINYL GRAPHIC TO BE INSTALLED BY TENANT SIGN CONTRACTOR.
6. ALL EXISTING FLOOR PENETRATIONS TO BE REPAIRED PER DETAIL B/A-1. ALL PIPING AND ELECTRICAL CONDUIT TO BE REMOVED BACK TO SOURCE AND CAPPED IF NOT REUSED OR SERVING OTHER TENANT SPACES. PROTECT ALL PLUMBING SERVING ADJACENT TENANTS.
7. G.C. TO REMOVE EXISTING WALLS, MILLWORK & LOOSE FIXTURES. PATCH & REPAIR WALLS (TO REMAIN) WHERE DAMAGED BY DEMO. MAINTAIN RATING ON RATED WALLS.
8. REMOVE ALL EXISTING FLOORING AND ADHESIVES. PREP FOR NEW FLOORING
9. REMOVE EXISTING GATES, TRACKS, AND ALL ASSOCIATED HARDWARE.
10. DURING DEMOLITION AND CONSTRUCTION, PROTECT ALL EXISTING DATA, SECURITY, ALARM LINES, AND/OR DEVICES, SPEAKERS, SPRINKLERS, EQUIPMENT, AND PORTS, ETC.SCHEDULED FOR REUSE.
11. G.C. TO TAKE STOREFRONT FINISHES BACK TO AIRPORT'S FINISHES/ COLUMNS (PROTECT AIRPORT FINISHES & STRUCTURAL ELEMENTS AT ALL TIMES).
12. EXISTING BLADE SIGN TO BE REMOVED. PATCH/REPAIR DRYWALL ON COLUMN. PAINT WITH AIRPORT STD. PAINT.
13. EXPANSION JOINT AND COVER TO REMAIN. PROTECT DURING CONSTRUCTION FOR REUSE.
14. G.C. TO REMOVE ALL GYP. BD. ON EXISTING-TO-REMAIN PARTITIONS (TENANT SIDE ONLY) NECESSARY FOR NEW PLUMBING AND ELECTRICAL INSTALLATION. REPAIR ANY PENETRATIONS PER U465.
15. EXISTING PIPES TO REMAIN. PROTECT DURING CONSTRUCTION.
16. REMOVE EXISTING EXHAUST HOOD AND COMPONENTS INCLUDING ROOF MOUNTED EQUIMENT, DUCTING, ANSUL SYSTEM, ETC.

FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THE CONTRACTOR SHALL VISIT 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 TENANT PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN THE BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR TENANT 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 TENANT OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

GENERAL DEMOLITION NOTES

1. ALL REFUSE REMOVAL TO BE DONE AT NIGHT. ALL NOISE INTENSIVE WORK TO BE DONE AT NIGHT OR AS DIRECTED BY AIRPORT AUTHORITY
2. G.C. TO OBTAIN NECESSARY PERMITS FROM AUTHORITY HAVING JURISDICTION IF REQUIRED BEFORE BEGINNING DEMOLITION.
3. THE GENERAL CONTRACTOR SHALL PAY ALL FEES, LICENSES, PERMITS, AND INSPECTIONS REQUIRED FOR THE WORK
4. NOTIFY ARCHITECT IMMEDIATELY OF ANY INCONSISTENCIES OR DISCREPANCIES WITH PLANS IN RELATION TO EXISTING FIELD CONDITIONS.
5. REMOVE ANY MILLWORK OR TRIM MOULDINGS AND SIGNAGE LEFT BEHIND BY PREVIOUS TENANT AND DISCARD.
6. G.C TO VERIFY EXISTING POST-DEMOLITION CONDITIONS AND TO COMMUNICATE TO DESIGNER ANY CONDITIONS THAT MAY IMPACT DESIGN INTENT, HVAC, LIGHTING, ETC. INDICATED ELSEWHERE IN THESE DOCUMENTS
7. G.C. TO PROTECT FROM DAMAGE ALL ITEMS NOT TO BE DISCARDED. G.C. TO INQUIRE AS TO THE STATUS OF ANY ITEM FOUND IN SPACE WHICH IS NOT EXPRESSELY CALLED OUT ON THESE DOCUMENTS
8. ANY EXISTING ITEMS TO BE REUSED/ RELOCATED SHALL BE PROTECTED OR SALVAGED AND STORED FOR REUSE LATER.
9. AFTER REMOVAL OF EQUIPMENT BY PREVIOUS TENANT, G.C. TO REMOVE ALL ELEMENTS AS NOTED, PATCH AND REPAIR WHERE NECESSARY TO RECEIVE NEW SCHEDULED FINISH.
10. EXISTING FIRE SAFETY EQUIPMENT TO BE PROTECTED, SALVAGED/ RELOCATED AS NECESSARY.
11. PROTECT EXISTING SPRINKLER SYSTEM AND HEADS DURING DEMOLITION FOR REUSE LATER .
12. G.C. TO MEASURE SPACE AFTER DEMOLITION AND SEND A DIMENSIONED FIELD REPORT TO DESIGNER PRIOR TO START OF CONSTRUCTION FOR VERIFICATION OF SPACE AND MILLWORK DIMENSIONS.
13. PROVIDE FILTER MEDIUM OVER ALL RETURN AIR DUCTING THAT WILL OPERATE DURING CONSTRUCTION. CHANGE FILTERS WEEKLY.

CONSTRUCTION BARRICADE NOTES

1. INSTALL AIRPORT APPROVED BARRICADE PRIOR TO WORK BEGINNING. GRAPHICS ON BARRICADE MUST BE APPROVED BY AIRPORT. GRAPHICS PROVIDED BY TENANT, INSTALL BY G.C.
2. BARRICADE WALL HAS TO BE INSTALLED PRIOR TO G.C. CONTRACT. BARRICADE GRAPHICS ARTWORK BY TENANT, INSTALL AT TENANTS EXPENSE.
3. GC TO PROVIDE AND APPLY DOUBLE FACE TAPE AT TOP AND BOTTOM TO STABILIZE WALL.
4. GC TO PROVIDE AND INSTALL DOUBLE HOLLOW CORE METAL DOORS AND FRAMES SET AS SHOWN.
5. DO NOT ATTACH BARRICADE TO FLOOR OR CEILING WITH MECHANICAL FASTNERS.
6. PROTECT CONCOURSE FLOOR WITH 1/2" PLYWOOD FROM DUST WALL TO LEASE LINE.
7. DO NOT ATTACH BARRICADE TO COLUMNS.
8. GC IS RESPONSIBLE FOR REMOVAL OF THE BARRICADE WHEN DIRECTED BY THE LANDLORD AT THE CONCLUSION OF THE PROJECT.
9. PRIME WALLS FOR VINYL APPLICATION. REFER TO BARRICADE SECTION.
10. THE TENANT IS TO PROVIDE AND INSTALL VINYL GRAPHICS ON ENTIRE FACE OF WALL. ALL GRAPHICS TO BE APPROVED BY AIRPORT.
11. PIPE AND DRAPE NOT TO BE INSTALLED. BARRICADE WALL TO REMAIN UNTIL STORE OPENING. G.C. TO COORDINATE WITH AIRPORT.
12. REFER TO AIRPORT TENANT CONSTRUCTION BARRICADE STANDARDS FOR DETAILS IN THIS SECTION.

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
10000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

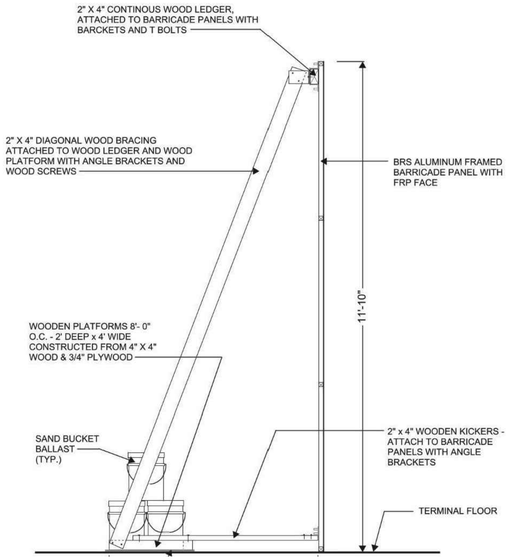
REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

DEMOLITION PLAN

SHEET NUMBER

D-1



Concessionaries must comply with the following temporary construction barricade standards.

- Concessionaire shall provide all security and protection facilities required by the Authority.
- Concessionaire shall maintain the work in a safe, lawful, and publicly acceptable manner.
- All security and protection facilities must provide a neat and uniform appearance.
- Concessionaire shall be fully responsible for the protection of the public and adjacent areas during the construction process.
- Concessionaire shall safely isolate the construction areas while maintaining normal airport operations.
- Concessionaire shall comply with all FAA approved Airport security requirements.
- All work and/or material storage areas shall be separated from the common use public areas of the Airport by use of barricades of a type and size acceptable to the Authority. See sample barricade section.
- Concessionaire shall comply with recognized standards and code requirements.
- Concessionaire shall cooperate and coordinate with the Authority for installation of all barricades to allow continuous Airport operations.
- Access shall be maintained into all building spaces, including Concessionaire construction spaces, and existing mechanical and electrical control devices.
- Concessionaire shall comply with all barricade standards in the Leasehold Development Standards.

To maintain a consistent look between various construction projects within the Main Terminal and Concourses, LCPA has created the following barricade construction criteria. Barricades not meeting the following criteria will require additional review by the Authority.

- Barricades located a maximum of 2'-0" beyond the Concessionaire's furthest projection, not including signage.
- Barricades insulated for sound control and be designed for a STC rating of 45.
- Barricades extending the full height to the existing ceiling or returned to the soffit to positively seal off the construction area.
- Barricades in view of the public designed to seem permanent, not temporary.
- Barricades must be self-supporting.
- "Coming soon" graphics with full renderings to be approved by the Authority.
- Building finishes should not be disturbed or altered in the construction of barricades.
- Barricades may not be anchored to the ceiling or base building floor.
- All existing and adjacent finishes and flooring are to be returned to their original condition when barricades are removed.
- Access doors into construction areas must be installed and lockable.
- Water from drilling or cutting operations must be controlled. Surfaces around and below such operations must be protected. Concessionaire is responsible for the costs of any damages and loss of revenue sustained during such procedures.
- Concessionaire space must be under negative pressure in relation to the surrounding spaces to prevent migration of construction dust.
- All temporary directional signage required due to Concessionaire construction activities shall be constructed to match the permanent Main Terminal and Concourse directional signs.
- Concessionaire shall be required to provide an interim fire life safety plan to assure all life safety requirements are maintained during construction.

BARRICADE DETAILS | N.T.S. | 1

HOLE MOLE FLOOR PENETRATION REPAIR.

RATED FLOOR REPAIR DETAIL | N.T.S. | 2

OPEN

OPEN

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

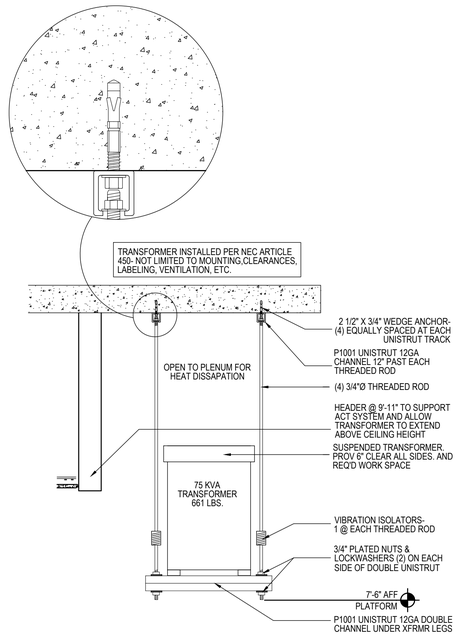
DEMOLITION DETAILS

SHEET NUMBER

D-2

GENERAL PARTITION NOTES

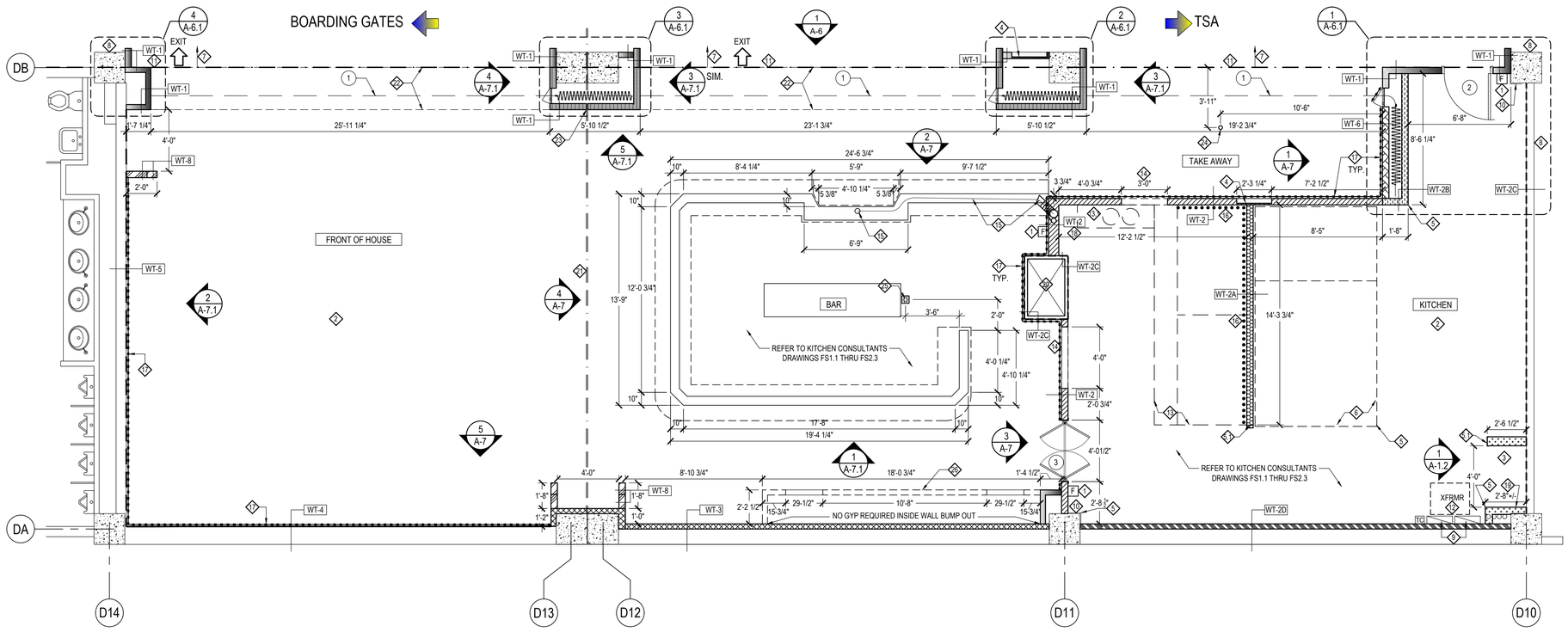
1. ALL DIMENSIONS ARE TO FACE OF FINISHED MATERIAL (GYP.BD., LAMINATE, ETC.) UNLESS OTHERWISE NOTED. USE WRITTEN DIMENSIONS. DO NOT SCALE DRAWINGS
2. ALL WOOD FURRING IS TO BE 1 1/2" THICK, FIRE-TREATED, UNLESS OTHERWISE NOTED
3. ALL DRYWALL SHALL BE 5/8" TYPE 'X', UNLESS OTHERWISE NOTED
4. ALL WOOD BLOCKING USED IN CONSTRUCTION TO BE FIRE-RETARDANT
5. G.C. IS TO MAINTAIN ALL LANDLORD'S SUPPLIED, SPRAYED-ON FIRE PROTECTION IF PRESENT
6. G.C. TO FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO DESIGNER OR MILLWORK CONTRACTOR IMMEDIATELY FOLLOWING DEMOLITION OR AS SOON AS POSSIBLE. NOTIFY ARCHITECT IMMEDIATELY OF ANY INCONSISTENCIES OR DISCREPANCIES WITH PLANS IN RELATION TO EXISTING FIELD CONDITIONS
7. CONSULTANTS DRAWINGS ARE SUPPLEMENTAL TO THE ARCHITECTURAL DRAWINGS. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CROSS CHECK WITH ARCHITECTURAL DRAWINGS PRIOR TO THE ORDERING/ INSTALLATION OF ANY MECHANICAL, PLUMBING, AND ELECTRICAL WORK. ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL AND THE CONSULTING ENGINEERS DRAWINGS SHALL BE BROUGHT TO THE DESIGNERS ATTENTION FOR IMMEDIATE CLARIFICATION
8. DEMISING WALLS ARE NOT RATED HOWEVER WALL TO BE SMOKE SEALED AT THE DECK AND AT ALL PENETRATIONS. G.C. TO REPLACE ANY MISSING SMOKE SEALANT.
9. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, USED, CLEANED, AND CONDITIONED IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN SPECIFICATIONS OR INSTRUCTIONS
10. G.C. SHALL PAY ALL FEES, LICENSES, PERMITS, AND INSPECTIONS REQUIRED FOR PROPER EXECUTION OF THE WORK
11. G.C. SHALL COORDINATE WITH LANDLORD'S TENANT COORDINATION TEAM. THE LANDLORD TENANT COORDINATION TEAM WILL COORDINATE WITH THE DOA. THE GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL CONSTRUCTION AND/OR INSTALLATION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATION OF ALL PORTIONS OF THE WORK
12. CUTTING AND PATCHING: WHERE EXISTING CONDITIONS ARE CUT OR DISTURBED TO PERMIT NEW CONSTRUCTION AND/ OR INSTALLATION, MATCH AND PATCH EXISTING DISTURBED CONSTRUCTION/FINISH
13. ALL INTERIOR AND STOREFRONT CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES IN PLACE IN THE LOCATION OF THE WORK
14. APPROVED FIRE EXTINGUISHERS SHALL BE LOCATED AS REQUIRED BY CODE
15. ALL DOOR HARDWARE AND OPERATING MECHANISMS MUST MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND ALL OTHER LOCAL AND STATE CODES
16. CONTRACTOR TO VERIFY ALL MILLWORK SIZING WITH ACTUAL FIELD CONDITIONS
17. G.C. TO VERIFY THAT ALL EXISTING EQUIPMENT IS IN GOOD CONDITION AND WORKING ORDER
18. OVERHEAD GRILLE BY GRILLE MANUFACTURER. BIDS AND SPECIFICATIONS TO BE PROVIDED BY G.C.
19. G.C. TO FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE DESIGNER OR MILLWORK CONTRACTOR AS SOON AS SPACE IS ACCESSIBLE
20. EXISTING SLAB IS 0 HOUR RATED. PRE-STRESSED DESIGN. ALL PROPOSED PENETRATIONS TO BE APPROVED BY AIRPORT AND INSULATED / FILLED AS PER DESIGN CRITERIA. X-RAY OF SLAB IS NOT REQUIRED FOR CORING/PENETRATIONS AND WILL BE CONDUCTED AT THE DISCRETION OF THE G.C/SUB-CONTRACTOR PERFORMING THE WORK. ALL FLOOR CORING SHALL BE DONE AT THE CONTRACTOR'S EXPENSE
21. AIRPORT SURFACES/ITEMS (PROPERTY) DAMAGED BECAUSE OF CONSTRUCTION WILL BE REPAIRED WITH SIMILAR MATERIAL TO BE APPROVED BY AIRPORT ARCHITECT BEFORE REPLACEMENT IS PURCHASED
22. ALL WOOD USED SHALL BE FIRE RETARDANT TREADED
23. ALL METAL FRAMING SHALL BE COVERED WITH 5/8" TYPE "X" GYPSUM THEN FIRE TREATED WOOD IF REQUIRED
24. FULL SPRINKLER & SMOKE DETECTOR COVERAGE IS REQUIRED
25. ALL NEW METAL STUDS TO BE 20GA MINIMUM. (2) 18 GA STUDS REQUIRED ON EACH SIDE OF DOOR OPENINGS



TRANSFORMER HANGING DETAIL | NTS | 2

DOOR SCHEDULE

ITEM	QTY	DIAGRAM	LOCATION	MANUFACTURER AND MODEL NO. /
1	3	SIDE FOLDING DOOR RECESSED, DUSTLESS FLOOR STRIKES AS NECESSARY FOR GATE TRACK 3/4" THREADED ROD TO STRUCTURE IF REQUIRED PLAN VIEW ELEVATION	STOREFRONT	ALUMATEC "LXS" POLYCARBONATE SIDE-FOLDING ACCORDION DOOR, OR EQUAL POLYCARBONATE SIDE-FOLDING ACCORDION DOOR TO BE INSTALLED BY TENANT'S G.C. SOFFIT HEIGHT AT GRILLE TO BE 10'-6" A.F.F CLEAR OPENING (V.IF). TENANT G.C. TO VERIFY DIMENSIONS IN FIELD PRIOR TO FABRICATION. MANUFACTURER: ALUMATEC LXS OR APPROVED EQUAL TO MATCH AIRPORT STANDARD. SEE STOREFRONT SHEET FOR MORE DETAILS. LOCATION OF THREADED RODS TO STRUCTURE FOR GATE SUPPORT. COORDINATE WITH GATE MANUFACTURER AS REQUIRED. REFER TO STOREFRONT SECTIONS FOR SOFFIT DETAILS.
2	1	ELEVATION (FROM CONCOURSE)	AIRPORT DOOR TO KITCHEN (B.O.H.)	HOLLOW METAL DOOR WITH VISION PANEL DOOR: 36" X 80" X 1 3/4" HOLLOW METAL DOOR & FRAME, (3) BALL BEARING HINGES LOCKSET: AIRPORT STANDARD HARDWARE FINISH: AIRPORT STANDARD CLOSER: AIRPORT STANDARD KICKPLATE: AIRPORT STANDARD PAINT DOOR AND FRAME, SEE ELEVATIONS. NOTE: KEYED EXTERIOR CANNOT LOCK OCCUPANT INSIDE ROOM. NOTES: 1) SEE PLAN FOR DOOR HAND.
3	1	7'-0" 4'-0 1/2" ELEVATION	KITCHEN DOOR SET	PAIR OF 24" X 84" STAINLESS STEEL TRAFFIC DOORS. MANUFACTURER: ELIASON MODEL: SCP-3 HINGE: ELIASON EASY SWING HINGE SYSTEM WINDOW: 9" X 14" CLEAR ACRYLIC SAFTEY WINDOW SET IN BLACK RUBBER MOLDING PANELS: STAINLESS STEEL CLADDING, BOTH SIDES
4	1	CONTRACTOR INFORMATION PER AIRPORT REQUIREMENTS ELEVATION	BARRICADE	TEMPORARY DOORS PAIR OF 3'-0" X 7'-0" X 1 3/4" TEMPORARY BARRICADE DOORS, BY G.C. NOTE: KEYED EXTERIOR CANNOT LOCK OCCUPANT INSIDE ROOM.



PARTITION PLAN | 1/4" = 1'-0" | 1

SITE SPECIFIC KEYED NOTES

1. G.C TO PROVIDE ABC RATED FIRE EXTINGUISHER IN FRONT OF HOUSE AND TYPE K FIRE EXTINGUISHERS IN KITCHEN. MOUNT PER ADA REQUIREMENTS.
2. ALL NEW WALLS SHALL BE BUILT AT 90 DEGREE ANGLES UNLESS INDICATED OTHERWISE.
3. NEW WATER HEATER TO BE INSTALLED ON RAISED PLATFORM. SEE A-1.1 AND PLUMBING DWGS FOR DETAILS.
4. G.C. TO INSTALL PLYWOOD BETWEEN STUDS FOR MONITOR SUPPORT.
5. G.C. TO FURNISH AND INSTALL 2" S.S CORNER GUARD ON ALL OUTSIDE CORNERS IN BOH FROM TOP OF BASE TO 6'-0" A.F.F.
6. G.C. TO FURNISH AND INSTALL S.S WALL CAP IN FROM TOP OF BASE TO 6'-0" A.F.F.
7. WALK-IN COOLER FOOTPRINT. SEE FEC & MEP DRAWINGS FOR MORE INFO.
8. EXISTING AIRPORT FLOORING TO REMAIN, PROTECT DURING CONSTRUCTION. G.C. TO REPAIR IF DAMAGED DURING CONSTRUCTION.
9. EXISTING AIRPORT FINISH TO REMAIN. G.C. TO REPAIR IF DAMAGED DURING CONSTRUCTION.
10. NEW ELECTRICAL PANELS. SEE ELECTRICAL.
11. GLUE FRP DIRECTLY TO COLUMN
12. LEASE LINE
13. NEW TRANSFORMERS ABOVE. SEE SUPPORT DETAIL 2/A-1
14. DASHED LINE IS NEW TYPE 1 EXHAUST HOOD AND SUPPLY PLENUM. SEE FS AND MECH. DWGS.
15. DASHED LINE IS FIRE SUPPRESSION SYSTEM TANK CABINET
16. G.C. TO FRAME OPENING FOR PASS-THRU WINDOW. SUPPLY FEC, INSTALL G.C.
17. G.C. TO PROVIDE AND INSTALL PVC CONDUIT FROM EQUIP #546 TO DIE WALL ENTRY
18. DOTTED LINE REPRESENTS STAINLESS STEEL PANELS FROM TOP OF BASE TO BOTTOM OF HOOD PROVIDED BY FEC AND INSTALLED BY G.C.
19. DASHED LINE REPRESENTS GYP. BD. THAT REQUIRES LEVEL 3 FINISH. GYP. BD. TO BE FINISHED PRIOR TO GRAPHIC PANEL INSTALLATION.
20. PARTITION SIMILAR TO WT-2, BUT 6" STUD IN LIEU OF 3-5/8".
21. G.C. TO BUILD PARTITION AS TIGHT TO PIPES AS POSSIBLE. REPORT FINAL DIMS TO NDS.
22. G.C. TO REMOVE CHASE WALLS AND REBUILD 1-HR. RATED MECHANICAL CHASE AS TIGHT TO EXISTING UTILITIES AS POSSIBLE. REPORT EXACT LOCATION AND DIMENSIONS TO NDS.
23. EXISTING EXPANSION JOINT AND COVER TO REMAIN.
24. GYP. BD. SOFFIT AT 10'-6". REFER TO RCP A-6.
25. G.C. TO PROVIDE AND INSTALL NEW WALL EXPANSION JOINT. SEE 6/A-1.2 FOR DETAIL. TUCK WALLCOVERING WC-1 UNDER EXPANSION JOINT TO SECURE.
26. G.C. TO CORE SLAB IN (1) ONE LOCATION FOR ALL POWER REQUIREMENTS AT POS. COORDINATE WITH BASE BUILDING PLANS AND SPECIFICATIONS. COORDINATE LOCATION WITH TAKE AWAY COUNTER DESIGN. FURNISH AND INSTALL SURFACE MOUNTED J-BOX IN CASEWORK. ELEC. CONTRACTOR TO MAKE FINAL CONNECTIONS. FLOOR CORING TO BE COORDINATED WITH AIRPORT ENGINEERING DEPT. XRAY SLAB PRIOR TO CORING. USE EXISTING CORE IF POSSIBLE. REFER TO A/A-1.2, 3/A-8, AND 4/A-8.
27. STUB-UP DUPLEX FOR FEC EQUIPMENT #547 AND 548
28. WALL BUMP OUT. REFER TO DETAILS 1/A-8.2 AND 2/A-8.2.

GENERAL CONSTRUCTION REQUIREMENTS

1. THE USE OF PERCUSSIVE ANCHORS AND IMPACT DEVICES IS NOT PERMITTED.
2. ALL CORE DRILLING IS TO BE COORDINATED THROUGH MRD WHO WILL THEN COORDINATE THE WORK WITH AIRPORT.
3. ALL PENETRATIONS THROUGH FIRE-RATED WALLS, FLOORS AND CEILINGS SHALL BE SLEAVED AND SEALED WITH FIRE-RATED SEALANT. COORDINATE ALL PENETRATIONS WITH DOA ENGINEERING.
4. MATERIAL AND EQUIPMENT SHALL NOT BE MOVED THROUGH THE PUBLIC CORRIDORS UNTIL THE FOLLOWING APPROVALS ARE RECEIVED FROM THE DOA: HOURS OF MOVEMENT, ROUTE, AND TRANSPORT EQUIPMENT. NO EQUIPMENT/ FIXTURES SHALL BE BROUGHT ON SITE UNTIL THE WEIGHTS ARE SUBMITTED AND APPROVED.

WALL TYPES

- EXISTING EXTERIOR WALL OR INTERIOR DEMISING WALL TO REMAIN. REPAIR ALL PENETRATIONS TO MAINTAIN ANY RATING.
- WT-1: UNRATED PARTITION. REFER TO WALL TYPES, A-1.1
- WT-2: UNRATED PARTITION. REFER TO WALL TYPES, A-1.1
- WT-2A: UNRATED PARTITION. REFER TO WALL TYPES, A-1.1
- WT-2B: UNRATED PARTITION. REFER TO WALL TYPES, A-1.1
- WT-2C: 1-HR. RATED PARTITION. REFER TO WALL TYPES, A-1.1
- WT-2D: UNRATED PARTITION. REFER TO WALL TYPES, A-1.1
- WT-3: UNRATED PARTITION. REFER TO WALL TYPES, A-1.1
- WT-4: UNRATED PARTITION. REFER TO WALL TYPES, A-1.1
- WT-5: 1-HR. RATED PARTITION. REFER TO WALL TYPES, A-1.1
- WT-6: UNRATED PARTITION. REFER TO WALL TYPES, A-1.1
- WT-7: UNRATED PARTITION. REFER TO WALL TYPES, A-1.1
- WT-8: UNRATED PARTITION. REFER TO WALL TYPES, A-1.1

LEGEND

- KEYNOTE INDICATOR
- F: FIRE EXTINGUISHER, SEE SITE SPECIFIC NOTE #1
- ELEVATION INDICATOR
- DOOR TAG, SEE DOOR SCHEDULE SHEET A-1

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

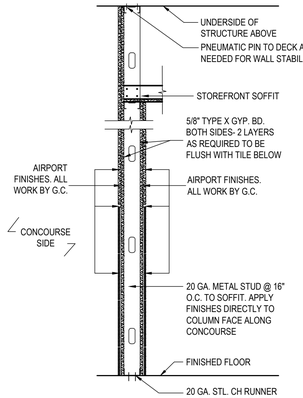
REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

PARTITION PLAN

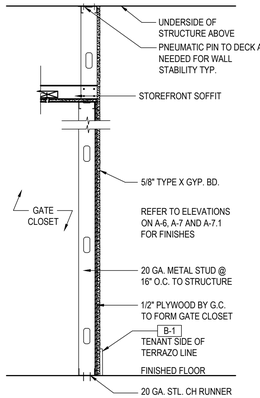
SHEET NUMBER
A-1

IMPORTANT NOTE TO G.C.: SEE 2/A-1.1 FOR WALL CONNECTION AND STABILIZATION DETAILS FOR ALL WALL TYPES, TYP.



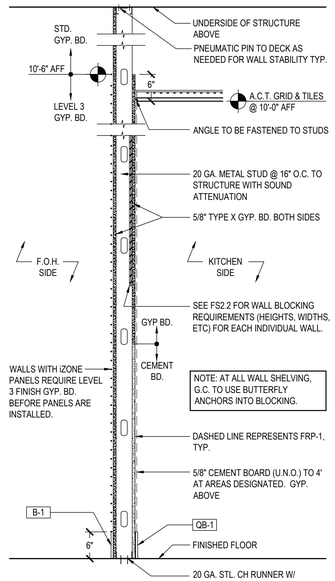
WT-1

UNRATED PARTITION



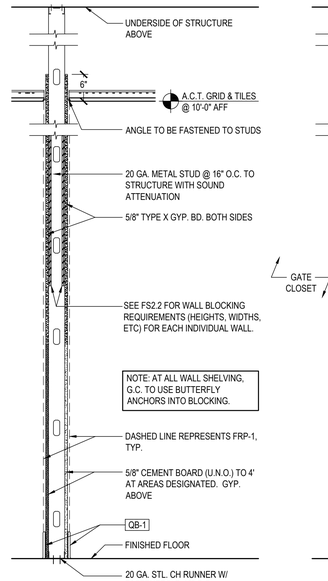
WT-1A

UNRATED PARTITION



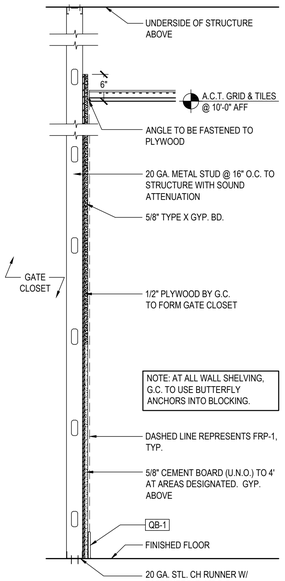
WT-2

UNRATED PARTITION



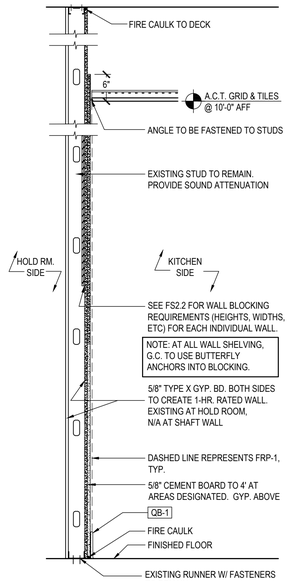
WT-2A

UNRATED PARTITION



WT-2B

UNRATED PARTITION

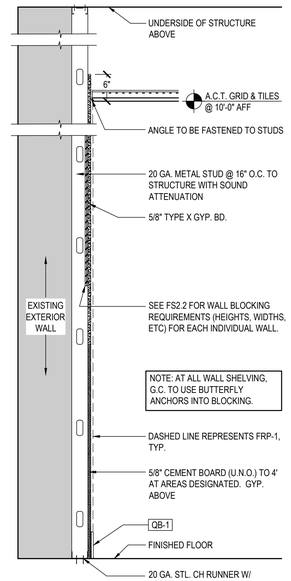


WT-2C

SEAL ALL PENTRATIONS

MAINTAIN WALL RATING

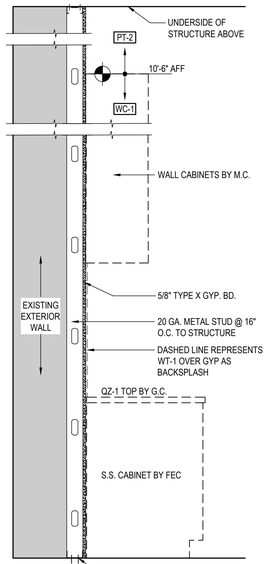
1-HR. RATED DEMISING WALL
1-HR. RATED MECH. SHAFT IN A 2 STORY BUILDING



WT-2D

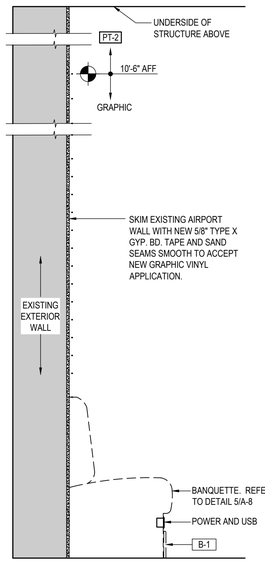
UNRATED PARTITION

WALL TYPES



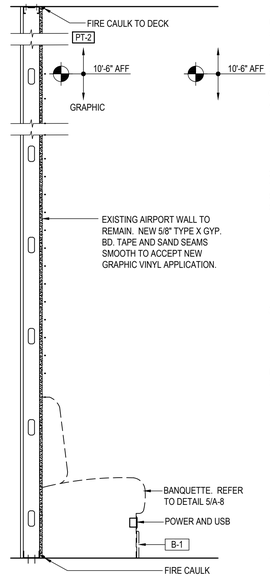
WT-3

UNRATED PARTITION



WT-4

UNRATED PARTITION

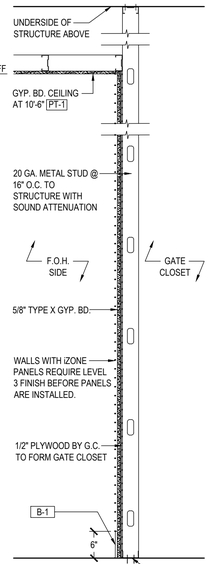


WT-5

SEAL ALL PENTRATIONS

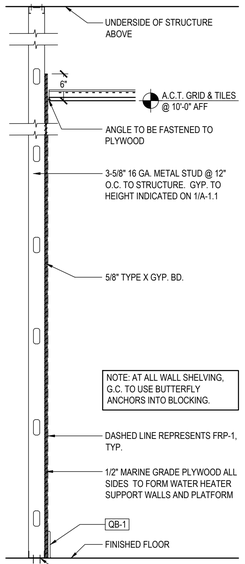
MAINTAIN WALL RATING

1-HR. RATED DEMISING WALL



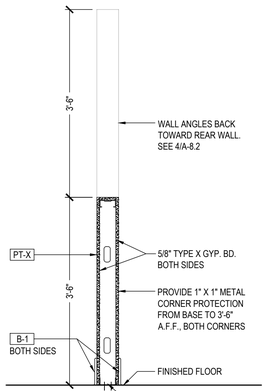
WT-6

UNRATED PARTITION



WT-7

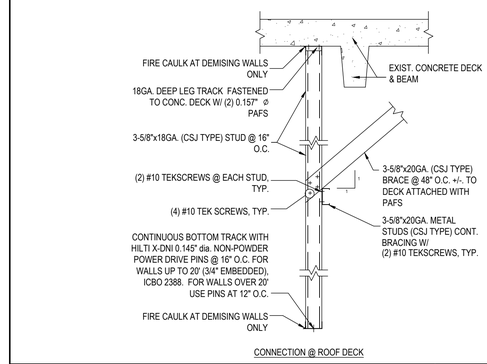
UNRATED PARTITION



WT-8

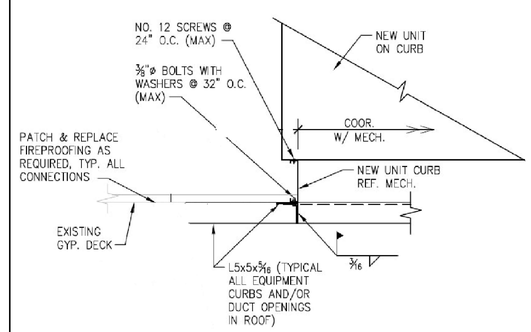
UNRATED PARTITION

WALL TYPES (CONTINUED)



CONNECTION @ ROOF DECK

WALL CONSTRUCTION / BRACING DETAIL | NTS | 1



TYPICAL ROOF EQUIPMENT SUPPORT DETAIL | NTS | 2

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

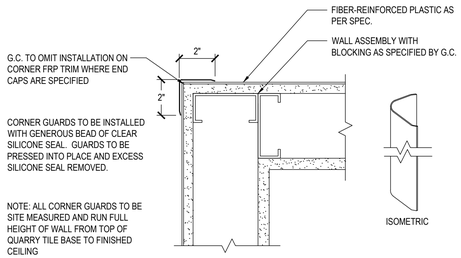
REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

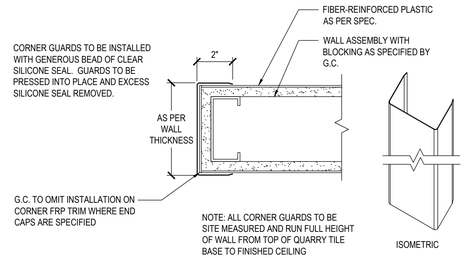
WALL TYPES

SHEET NUMBER

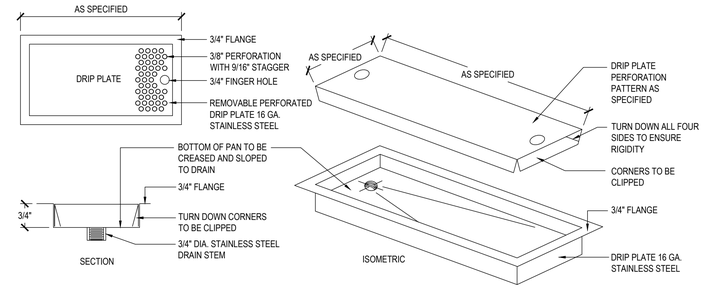
A-1.1



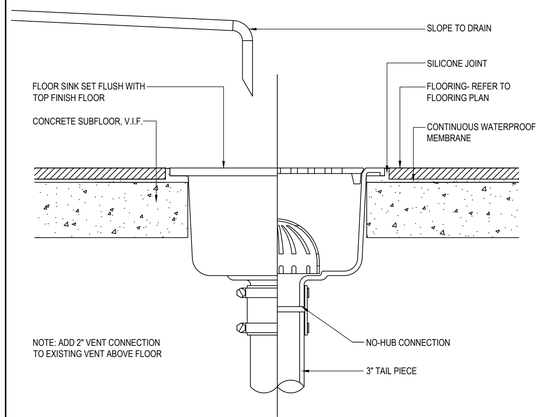
STAINLESS STEEL CORNER GUARD DETAIL@ KITCHEN | 3" = 1'-0" | 2



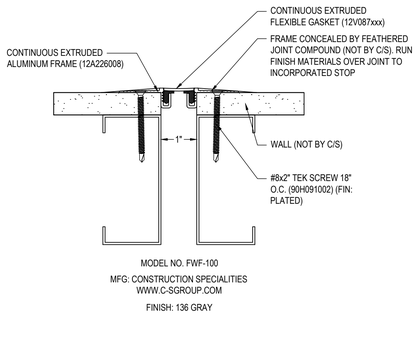
STAINLESS STEEL END CAP DETAIL @ KITCHEN | 3" = 1'-0" | 3



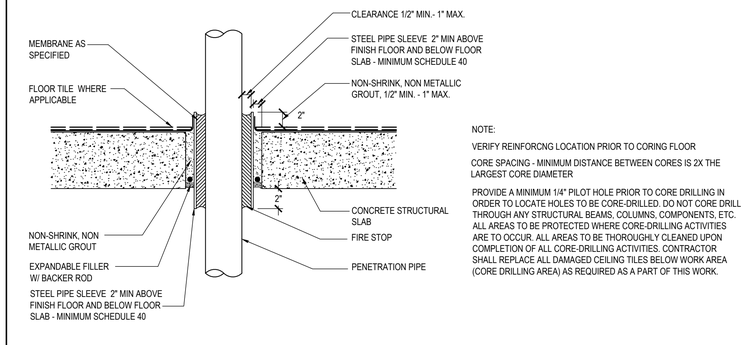
RECESSED DRIP PAN DETAIL | N.T.S. | 4



FLOOR SINK TYP. DETAIL | 6" = 1' - 0" | 5



WALL EXPANSION JOINT COVER | N.T.S. | 6



NOTE:

VERIFY REINFORCNG LOCATION PRIOR TO CORING FLOOR

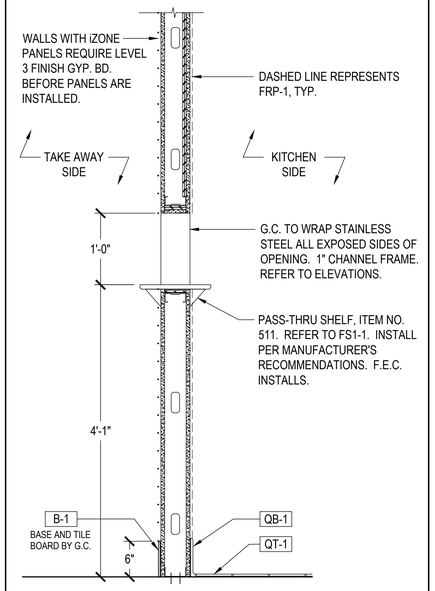
CORE SPACING - MINIMUM DISTANCE BETWEEN CORES IS 2X THE LARGEST CORE DIAMETER

PROVIDE A MINIMUM 1/4" PILOT HOLE PRIOR TO CORE DRILLING IN ORDER TO LOCATE HOLES TO BE CORE-DRILLED. DO NOT CORE DRILL THROUGH ANY STRUCTURAL BEAMS, COLUMNS, COMPONENTS, ETC. ALL AREAS TO BE PROTECTED WHERE CORE-DRILLING ACTIVITIES ARE TO OCCUR. ALL AREAS TO BE THOROUGHLY CLEANED UPON COMPLETION OF ALL CORE-DRILLING ACTIVITIES. CONTRACTOR SHALL REPLACE ALL DAMAGED CEILING TILES BELOW WORK AREA (CORE DRILLING AREA) AS REQUIRED AS A PART OF THIS WORK.

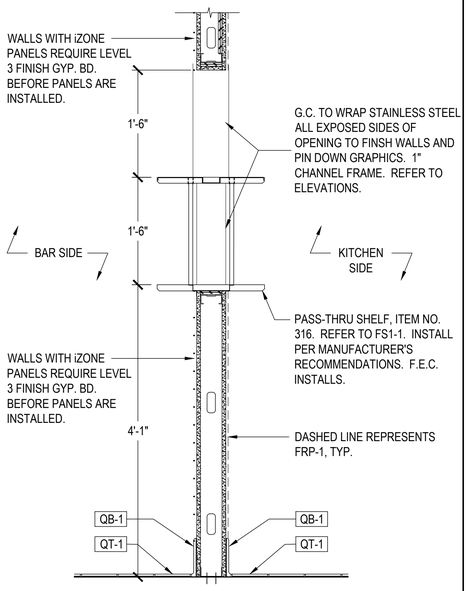
FLOOR PENETRATION SLEEVE | 3" = 1'-0" | A

HOLE MOLE FLOOR PENETRATION REPAIR.

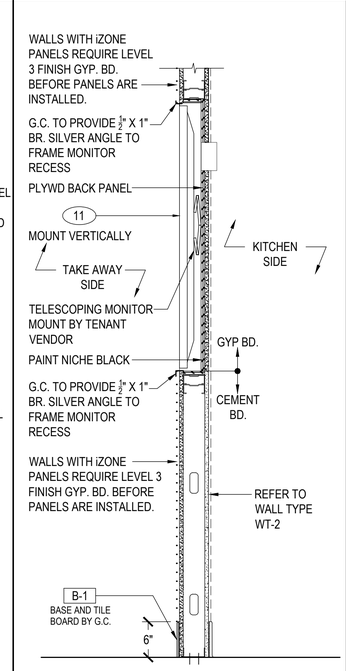
RATED FLOOR CORE REPAIR DETAIL | 3" = 1'-0" | B



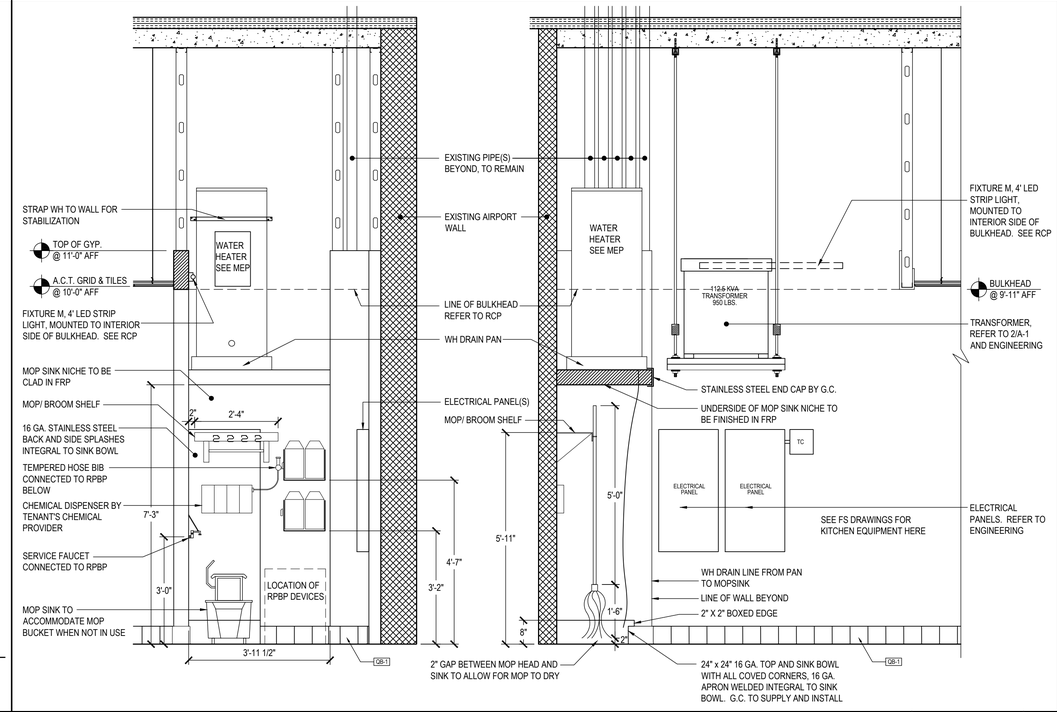
PASS THRU WINDOW DETAIL | 1" = 1'-0" | 6



PASS THRU WINDOW DETAIL | 1" = 1'-0" | 7



MONITOR DETAIL | 1" = 1'-0" | 8



MOP SINK DETAIL | 1/2" = 1'-0" | 1

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

CONSTRUCTION DETAILS

SHEET NUMBER

A-1.2

FURNITURE SCHEDULE

NOTE: ALL FURNITURE SHALL HAVE VINYL GLIDES

ITEM	DESCRIPTION	QTY	COMPONENT	MFR	PROVIDE	INSTALL	MODEL	SIZE	FINISH	NOTES/ CONTACT
T1	TABLE- RECTANGULAR, STANDARD HEIGHT	23	TABLE TOP	GRAND RAPIDS	TENANT	G.C.	GRAND RAPIDS- SPARTAN	24" x 30"	NATURAL	
		23	BASE	GRAND RAPIDS	TENANT	G.C.	GRAND RAPIDS- SPARTAN 'X' BASE	TABLE HEIGHT	GRAPHITE	
T2	CUSTOM- WHEEL CHAIR ACCESSIBLE TABLE	2	TABLE TOP	GRAND RAPIDS	TENANT	G.C.	GRAND RAPIDS- SPARTAN	36" W X 30" D	NATURAL	"T' BASE LEGS SET AT OUTSIDE EDGES OF TABLE TO PROVIDE ACCESSIBLE KNEE SPACE OF 30" WIDE, MIN.
		2	LEG SETS	GRAND RAPIDS	TENANT	G.C.	GRAND RAPIDS- SPARTAN "T' BASE		GRAPHITE	
T3	CUSTOM- WHEEL CHAIR ACCESSIBLE TABLE	1	TABLE TOP	GRAND RAPIDS	TENANT	G.C.	GRAND RAPIDS- SPARTAN	50" W X 30" D	NATURAL	"T' BASE LEGS SET AT OUTSIDE EDGES OF TABLE TO PROVIDE ACCESSIBLE KNEE SPACE OF 30" WIDE, MIN.
		1	LEG SET		TENANT	G.C.	GRAND RAPIDS- SPARTAN "T' BASE		GRAPHITE	
B1	BARSTOOLS	25	STOOL	GRAND RAPIDS	TENANT	G.C.	BROOKE BARSTOOL	22.6D X 18.6W X 42"H	WOOD: NATURAL METAL: DUSTY BLUE	
C1	CHAIRS- STANDARD HT.	54	CHAIR	GRAND RAPIDS	TENANT	G.C.	BROOKE CHAIR	20.71D X 19.1W X 30.5H	WOOD: NATURAL METAL: DUSTY BLUE	

KITCHEN FINISH SCHEDULE

LOCATION	MATERIAL	REMARK
FLOOR	QUARRY TILE	QT-1, SEE FINISH SCHEDULE ON A-6
WALL BASE	QUARRY COVE BASE	QB-1, SEE FINISH SCHEDULE ON A-6
WALL	FRP, TYPE 1 TEXTURED	WHITE IN KITCHEN, BLACK ON BAR DIE WALL
CEILING	SUSPENDED 2X4 VINYL GYP	WHITE

NOTES

SEATING CAPACITY

REFER TO FURNITURE SCHEDULE AND FIXTURE PLAN

	SEATS	REMARK
DINING	67	
BAR	27	
TOTAL	94	
ACCESSIBLE SEATING	5	

COMPONENT LEGEND

(#) SEE 1/A-2

ITEM	QTY	DESCRIPTION	PROVIDED BY	INSTALLED BY	MFR	NOTES	ELEC A.F.F.
1	1	BAR FOOT REST AND BRACKET	G.C.	G.C.	KEGWORKS	TO FOLLOW BAR. WORK W/ FIELD DIMENSIONS. PRODUCT: 2", 90°, FINISH (ALL PARTS): BR. STAINLESS STEEL	N/A
2	1	HOST STATION	M.C.	M.C.	CUSTOM	SEE 7/A-8	N/A
3	1	BANQUETTE SEATING	M.C.	M.C.	CUSTOM	22-6" LONG (V.I.F.), 3'-0" TALL. SEE 5/A-8.	9" TO CENTER
4	1	BANQUETTE SEATING	M.C.	M.C.	CUSTOM	27'-4" LONG (V.I.F.), 3'-0" TALL. SEE 5/A-8.	9" TO CENTER
5	1	LAPTOP BAR	M.C.	M.C.	CUSTOM	13'-8 3/4" LONG (V.I.F.), 2'-5 3/4" TALL. SEE 1/A-8.1 AND 3/A-8.1	18" TO CENTER
6	1	LAPTOP BAR	M.C.	M.C.	CUSTOM	21'-11" LONG (V.I.F.), 2'-5 3/4" TALL. SEE 2/A-8.1 AND 3/A-8.1	18" TO CENTER
7	2	WAITSTATION	M.C.	M.C.	CUSTOM	SEE 4/A-8.2	48"
8	1	TAKE AWAY COUNTER	M.C.	M.C.	CUSTOM	SEE 6/A-8	REFER TO DETAILS
9	1	BAR	M.C.	M.C.	CUSTOM		REFER TO DETAILS
10	5	65" TV MONITORS AND MOUNT	TENANT	TENANT	SAMSUNG COMMERCIAL	MODEL NO: BE65T-H. 65" SCREEN AND ADJUSTABLE LENGTH, ANGLED, POST DROP TYPE MOUNT BY OWNER VENDOR. - POST MOUNT FROM BAR TRELLIS FEATURE. SEE RCP A-4. BLOCKING BY G.C.	TOP OF TRELLIS
11	2	50" TV MONITORS AND MOUNT	TENANT	TENANT	SAMSUNG COMMERCIAL	MODEL NO: BE50T-H. 50" MONITOR & PREMIER MOUNT AM55 FOR STOREFRONT TV AND TAKE AWAY MENU PROVIDED BY TENANT VENDOR. G.C. TO PROVIDE BLOCKING. MOUNT VERTICALLY.	SEE DETAIL
12	-	FLOOR MAT, ANTI-FATIGUE	TENANT	G.C.		VERIFY NUMBERS AND LOCATION W/ OWNER	N/A
13	8	AIRPLANES	TENANT	TENANT	CUSTOM	PROVIDED AND INSTALLED BY TENANT VENDOR	N/A
14	1	PROPELLER	G.C.	G.C.	WAYFAIR	INSTALL AND BLOCKING BY G.C. WAYFAIR: KELLAR INDUSTRIAL WALL DECOR ON WOOD, ITEM: W003342667	N/A
15	1	BOAT	TENANT	G.C.	CUSTOM	INSTALL AND HANGING BY G.C.	REFER TO 3/A-4.1 AND 4/A-4.1
16	20	PURSE HOOKS	G.C.	G.C.	RICHELIEU	PRODUCT: 3" DOUBLE WARDROBE HOOK, NO. 2235, FINISH: SATIN NICKEL.	
17	1	TRELLIS	M.C.	M.C.	CUSTOM	WOOD TRELLIS MEMBERS AND THREADED ROD CONNECTIONS BY M.C. TRAPEZE AND ANCHOR TO DECK BY G.C.	REFER TO 1/A-4.1 AND 2/A-4.1
18	2	SHUTTERS	M.C.	M.C.	SEE NOTES	WWW.ARCHITECTURALDEPOT.COM, STYLE: TWO EQUAL LOUVERS, 30"X65" EA., FINISH: UNFINISHED, MATERIAL: PINE, ($569 FOR PAIR). STAIN TO MATCH PL-1. BY M.C.	REFER TO 1/A-8.2
19	1	GRAPHIC FRAME	M.C.	M.C.	CUSTOM	RANDALL BROTHERS RB-42 AND RB-620 MOULDING TO CREATE FRAME. MATERIAL: A GRADE PINE (NO FINGER JOINTING ALLOWED). STAIN TO MATCH PL-1. BY M.C.	REFER TO 2/A-8.2

NOTES

FIXTURE & EQUIPMENT KEY NOTES

1. OPEN
2. LOCATION OF NEW ELEC.PANELS. SEE ELECTRICAL DRAWINGS FOR MORE INFO.
3. DASHED LINE REPRESENTS NEW EXHAUST HOOD, SEE MECHANICAL DWGS FOR MORE INFO.
4. FIVE TV'S AT BAR
5. ADA SEATING, SEE SECTION 5/A-8 FOR MORE INFORMATION.
6. RESTAURANT IS REQD. TO HAVE POSTED OCCUPANT LOAD. SIGN SHOULD BE NEAR ENTRANCE, PERMANENT AND LEGIBLE. COORD. AS REQD.
7. G.C. TO PROVIDE SS-1 SOLID SURFACE COUNTERTOP OVER DRINK STATION (PROVIDED BY FEC). COUNTER 2'-2" X 8'-10" +/- V.I.F. AND COORDINATE WITH F.S.
8. G.C. TO PROVIDE 6" ELECTRICAL CONDUIT WITH 24" RADIUS TURNS FROM GLYCOL POWER PAK ON KITCHEN WALL TO BEER TOWER AT BAR. ROUTE TO BE ABOVE CEILING, DOWN INSIDE THICKENED WALL, AND ENTERING THE BAR DIE WALL WHERE CONDUIT ENDS.
9. G.C. TO PROVIDE 4" PVC CONDUIT WITH 24" RADIUS TURNS FROM SYRUP RACK IN KITCHEN TO SODA MACHINE AT DRINK STATION AND TO BAR DIE WALL ENTRY WHERE CONDUIT ENDS & LINES SHALL BE WRAPPED IN A FLEXIBLE SLEEVE AND ROUTED TO SODA GUNS AT BAR LOCATIONS.
10. EQUIPMENT NOTED 10 ON THIS PLAN IS SUPPLIED BY G.C., INSTALL BY G.C. SEE FS1-1 FOR BALANCE OF EQUIPMENT AND EQUIPMENT SCHEDULE.
11. EQUIPMENT NOTED 11 ON THIS PLAN IS SUPPLIED AND INSTALLED BY OWNER VENDOR. G.C. TO PROVIDE ALL UTILITIES TO EQUIPMENT. SEE FS1-1 FOR BALANCE OF EQUIPMENT AND EQUIPMENT SCHEDULE.
12. NOT SHOWN HERE- ALL ROOF MOUNTED EQUIPMENT SUPPLIED AND INSTALLED BY G.C.

LEGEND

- LEASE LINE
- ACCESSIBLE FIXED TABLE REQUIRED PER ADA 226.1
- KEYNOTE INDICATOR
- X-X POINT OF SALE EQUIPMENT INDICATOR, REFER TO A-2
- (X) COMPONENT INDICATOR, REFER TO SCHEDULE ON A-2
- [F] FIRE EXTINGUISHER
- SODA LINE INSIDE OR OUTSIDE CONDUIT. BY G.C.
- BEER GLYCOL LINE INSIDE OR OUTSIDE CONDUIT. BY G.C.

FIXTURE NOTES

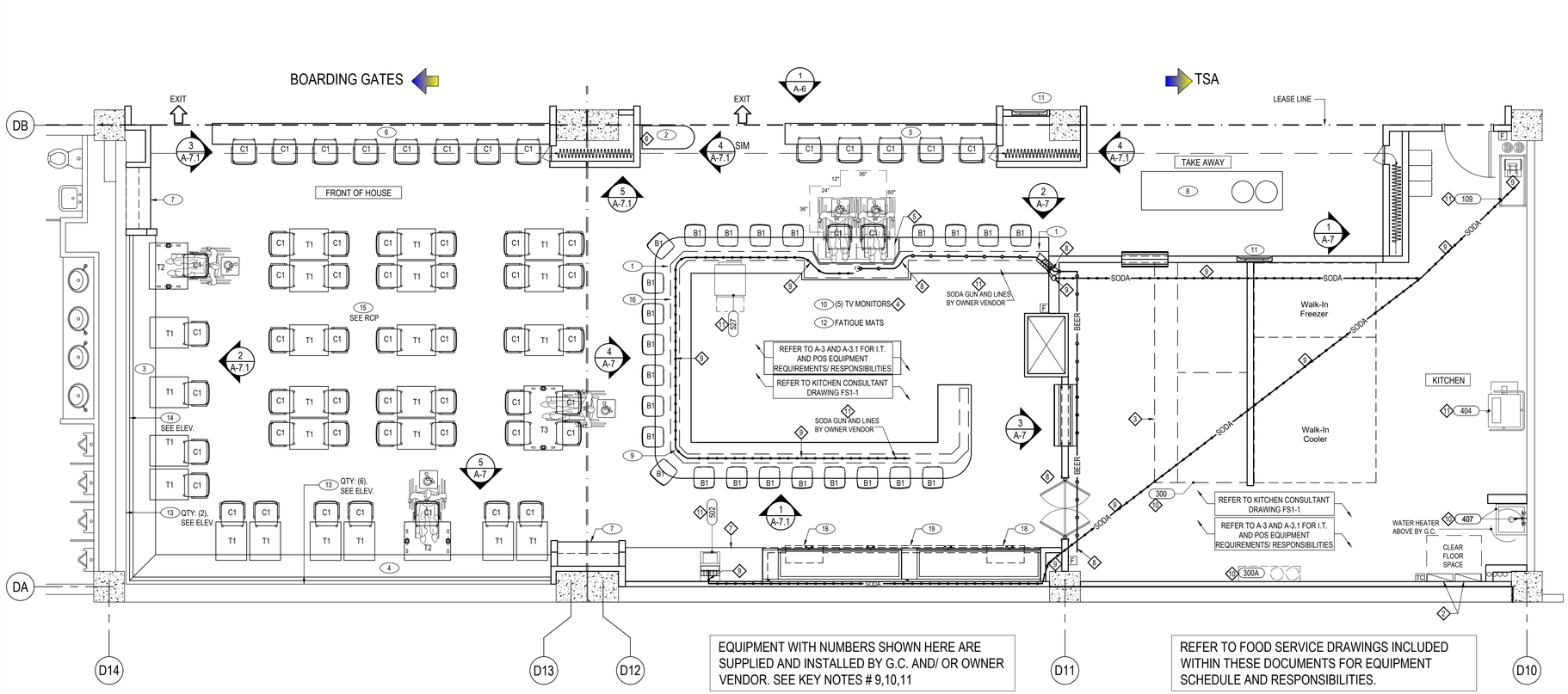
1. ALL MERCHANDISING HARDWARE (STANDARDS, BRACKETS, CLIPS, CUSHIONS, ETC.) TO BE PROVIDED BY M.C. UNLESS OTHERWISE NOTED. SEE WALL SECTIONS AND HARDWARE SCHEDULE
2. ALL CASH REGISTERS, TRASH BINS, CREDIT CARD MACHINES TO BE FURNISHED, RECEIVED, STORED AND INSTALLED BY TENANT
3. TOLERANCE PROVIDED BETWEEN ARCHITECTURE AND FIXTURE. START FIXTURES TIGHT AT FRONT OF STORE. ANY GAP SHOULD OCCUR AT THE BACK OF THE STORE.
4. LOCATE FIXTURES AS TO MAINTAIN A 44" WIDE PATH OF EGRESS TO EXIT DOORS. MAINTAIN ALL OTHER EGRESS CLEAR AS REQUIRED BY CODE.
5. GENERAL CONTRACTOR TO COORDINATE WITH FIXTURE FABRICATOR LOCATION OF BLOCKING AS REQUIRED
6. THIS INFO GIVEN AS A GUIDE TO FIXTURE PLACEMENT. FIXTURE FABRICATOR TO INFORM G.C. OF CHANGES PRIOR TO FABRICATION
7. VERIFY ALL SITE DIMENSIONS IN FIELD PRIOR TO INSTALLATION OR FABRICATION

EQUIPMENT NOTES

1. ALL WALLS SCHEDULED TO RECEIVE WALL SHELVES TO HAVE 5/8" FRT PLYWD SUBSTRATE BLOCKING FOR WALL SHELF SUPPORT. USE BUTTERFLY ANCHORS FOR ATTACHMENT. COORDINATE IN FIELD FOR FINAL LOCATION AS REQUIRED
2. ALL EXISTING EQUIPMENT SCHEDULED TO REMAIN SHALL BE CLEANED AND REPAIRED TO LIKE NEW CONDITION
3. ALL FURNITURE AND EQUIPMENT SHALL BE FURNISHED BY OWNER EXCEPT AS NOTED IN SCHEDULES AND CS-1 MATRIX, ALL INSTALL BY G.C.
4. G.C. TO ACCESS CONDITION OF ALL PLUMBING AND EXHAUST DUCTS, PIPES, AND SYSTEMS IMMEDIATELY AND REPORT TO OWNER ANY ITEMS NOT IN PROPER WORKING ORDER. OWNER SHALL DIRECT REPLACEMENT.

HEALTH DEPT. SPECIFIC NOTES

1. FOOD PREPARATION AREAS SHALL BE PROVIDED WITH 50 fc LIGHT
2. WAREWASHING AND WAREWASHING AREAS SHALL BE PROVIDED WITH 20 fc LIGHT
3. WALK-IN COOLER MUST HAVE A MIN. OF 10 fc OF LIGHT 30" A.F.F.
4. ALL LAMPS IN FOOD PREPARATION AREAS MUST INCLUDE A COVER GLASS AS PER HEALTH CODE. ALL FIXTURES TO BE U.L. APPROVED.
5. EQUIPMENT MUST BE EASILY MOVABLE WITH APPROVED CONNECTIONS
6. STATIONERY COUNTER EQUIP MUST BE SEALED TO COUNTERS OR ON 4" LEGS
7. STATIONERY FLOOR EQUIP MUST BE SEALED TO FLOOR OR BE ON 6" LEGS
8. FLOOR STORAGE IN COOLERS IS UNACCEPTABLE. SHELVING TO BE PROVIDED
9. HAND WASH SIGNAGE SHALL BE PROVIDED AT ALL HAND SINKS
10. ALL GREASE INTERCEPTORS TO BE NEW. REUSE IS NOT PERMITTED.
11. FIXED EQUIPMENT SHALL SEALED IN PLACE OR SPACED FOR CLEANING
12. ICE MACHINE TO INCLUDE CLASP TO HOLD SCOOP OUT OF THE ICE
13. AIRPORT'S SUBCONTRACTOR IN CHARGE OF WASTE OIL
    SPECIAL NOTE TO OWNER: ALL REFRIGERATOR AND COOLER EQUIPMENT SHALL HAVE A NSF INDIVIDUAL THERMOMETER INSTALLED ON SHELF/RACK WITHIN THE CABINET.
14. GAS FIRED EQUIPMENT THAT IS ON WHEELS TO BE TETHERED TO THE WALL AND PROVIDED WITH A FLEXIBLE GAS CONNECTION.



EQUIPMENT WITH NUMBERS SHOWN HERE ARE SUPPLIED AND INSTALLED BY G.C. AND/ OR OWNER VENDOR. SEE KEY NOTES # 9,10,11

REFER TO FOOD SERVICE DRAWINGS INCLUDED WITHIN THESE DOCUMENTS FOR EQUIPMENT SCHEDULE AND RESPONSIBILITIES.

FIXTURE/ EQUIPMENT PLAN | 1/4" = 1'-0" | 1

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
10000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% AIRPORT REVIEW
2/24/2025	PERMIT SUBMITTAL

FIXTURE PLAN

SHEET NUMBER

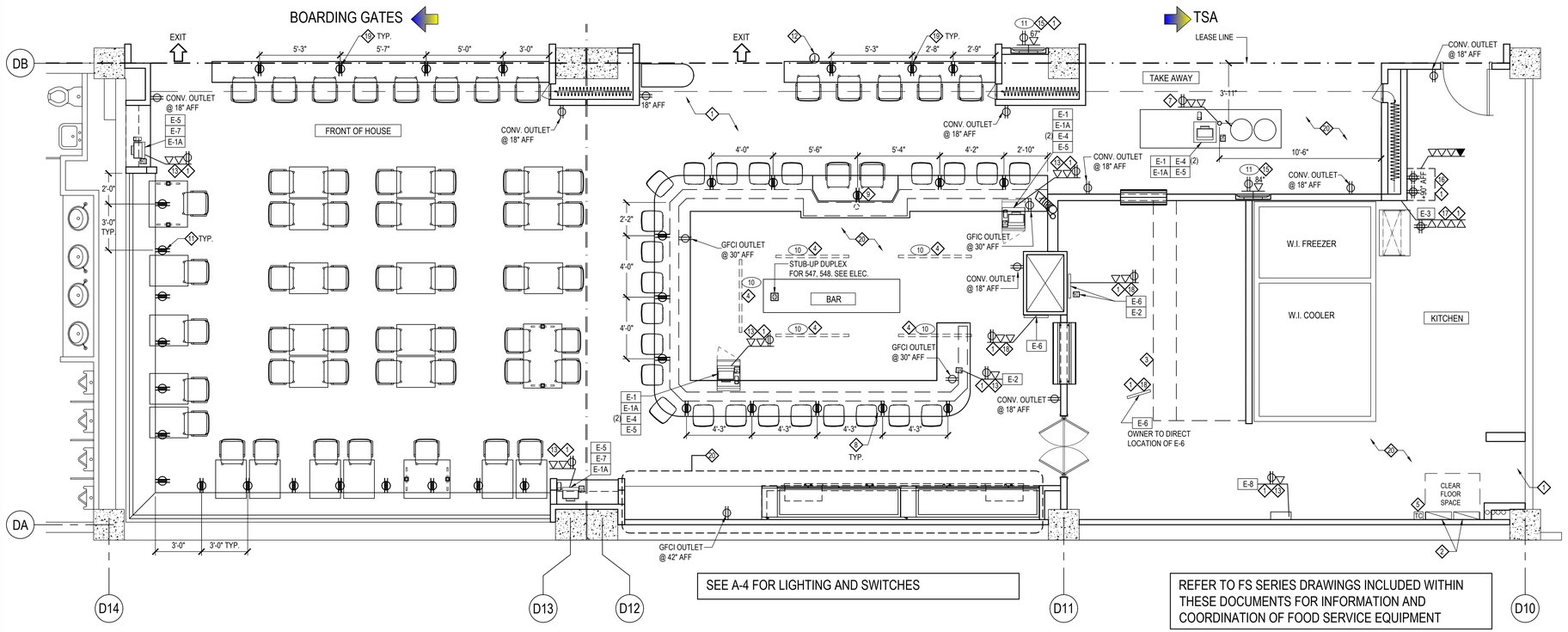
A-2

POINT OF SALE SYSTEM SCHEDULE

E-# SEE 1/A-3

ALL CONDUIT AND WIRE FROM BUILDING COMM ROOM TO SPACE BY G.C.
ALL CONDUIT & WIRES, CAT 6 CABLE, AND WALL MOUNTED OUTLETS IN SPACE BY G.C.
ALL COMPUTERS, ROUTERS, CASH REGISTERS AND PRINTERS BY OWNER.

ITEM	QTY	DESCRIPTION	PROVIDED BY	INSTALLED BY	REMARKS
E-1	3	POS	TENANT	GC	GC TO INCLUDE (2) CAT 6 PER CONDUIT FROM COMPUTER CABINET TO EACH FOR REDUNDANCY E-1 E-1A 13
E-1A	5	RECEIPT PRINTER	TENANT	GC	
E-2	2	ORDER PRINTER	TENANT	GC	
E-3	1	COMPUTER HARD DRIVE	TENANT	GC	
E-4	6	CASH DRAWER	TENANT	GC	EACH POS TO HAVE 2 DRAWERS
E-5	5	CARD READER	TENANT	GC	
E-6	3	KITCHEN DISPLAY SCREEN WITH BUMP BAR	TENANT	GC	GC TO COORDINATE EXACT LOCATIONS OF KDS AND BUMP BAR WITH OWNER OPERATIONS PRIOR TO INSTALL
E-7	2	ORDERING TOUCHSCREENS	TENANT	GC	GC TO INCLUDE (2) CAT 6 PER CONDUIT FROM COMPUTER CABINET TO EACH FOR REDUNDANCY
E-8	1	SPOILAGE MANAGEMENT	TENANT	GC	KTI MONITORING AND WASTE TRACKING. GC TO INSTALL ALL MONITORING EQUIPMENT AS DIRECTED BY OWNER.



SEE A-4 FOR LIGHTING AND SWITCHES

REFER TO FS SERIES DRAWINGS INCLUDED WITHIN THESE DOCUMENTS FOR INFORMATION AND COORDINATION OF FOOD SERVICE EQUIPMENT

POWER SIGNAL PLAN | 1/4" = 1'-0" | 1

FIXTURE & EQUIPMENT KEY NOTES

1. REFER TO A-3.1 I.T. REQUIREMENTS SHEET FOR ADDITIONAL INFORMATION.
2. LOCATION OF NEW ELEC.PANELS. SEE ELECTRICAL DRAWINGS FOR MORE INFO.
3. DASHED LINE REPRESENTS NEW EXHAUST HOOD & PLENUM, SEE MECHANICAL DWGS FOR MORE INFO.
4. FIVE TV'S AT BAR. SEE RCP SHEET A-4. POWER FOR MONITOR & CAT 6 FOR VIDEO PLAYER SURFACE MOUNTED TO TOP OF TRELLIS. G.C. TO ENSURE OUTLET IS NOT BLOCKED AFTER TV MOUNT IS INSTALLED AND NOT VISIBLE TO CUSTOMER. G.C. TO VERIFY TV MOUNT SPEC BEFORE OUTLETS/DATA JACKS ARE INSTALLED. COORDINATE ALL CONNECTIONS AND POWER REQUIREMENTS WITH SPEC SHEET FOR SYSTEM. SEE ELECTRICAL FOR MORE INFO AND CONNECTIVITY
5. PROVIDE NEW TIME CLOCK FOR SIGNAGE.. SEE ELECTRICAL FOR MORE INFO.
6. OPEN
7. G.C. TO PROVIDE 1 FLOOR CORE FOR ELECTRICAL FEED AND CAT 6 DATA FROM ELECTRICAL PANEL TO POS. MOUNT JBOX TO MILLWORK WALL INSIDE CAB. AND THEN ROUTE TO ALL POWER LOCATIONS.
8. PROVIDE POWER/USB OUTLET @ 34" A.F.F. SIDEWAYS UNDER BAR TOP FOR LAPTOP CHARGING. GREY WITH ST. STEEL COVER.
9. PROVIDE POWER/USB OUTLET @ 34" A.F.F. SIDEWAYS FOR LAPTOP CHARGING AT ADA BAR SECTION.
10. OPEN
11. COMBO OUTLET / USB CHARGER (DOUBLE SOCKET WITH 2 USB PORTS) BUILT INTO BANQUETTE AT 9"+/- AFF. COORDINATE W/ M.C. AS NEEDED. REFER TO ELEC. DRAWINGS. GREY WITH ST. STEEL COVER
12. ILLUMINATED STOREFRONT SIGN. G.C. TO PROVIDE HIDDEN, BUT ACCESSIBLE J-BOX AT BACK OF ENTRY SOFFIT. PROVIDE AND INSTALL TIME CLOCK FOR STOREFRONT SIGN. SEE ELECTRICAL FOR MORE INFORMATION.
13. CONFIRM ELEC./DATA REQUIREMENTS FOR ORDER ENTRY TOUCH SCREEN OR POS, RECEIPT PRINTER, CASH DRAWER, AND CHIP READER. CONFIRM HTS PRIOR TO ROUGH-IN.
14. OPEN
15. POWER FOR MONITOR & CAT 6 FOR VIDEO PLAYER MOUNTED +/- 84" A.F.F. G.C. TO ENSURE OUTLET IS NOT BLOCKED AFTER TV MOUNT IS INSTALLED AND NOT VISIBLE TO CUSTOMER. G.C. TO VERIFY TV MOUNT SPEC BEFORE OUTLETS/DATA JACKS ARE INSTALLED. COORDINATE ALL CONNECTIONS AND POWER REQUIREMENTS WITH SPEC SHEET FOR SYSTEM. SEE ELECTRICAL FOR MORE INFO AND CONNECTIVITY SEE SHEET A-8 FOR MORE INFORMATION.
16. PLYWOOD BOARD TO MOUNT TENANT IT RACK IN KITCHEN AND HAVE THE FOLLOWING: CONSULT W/ OWNER ON FINAL LOCATION PRIOR TO INSTALL. ELECTRICAL CONTRACTOR TO INSTALL (2) OUTLETS IN IT CABINET (BY E.C.) FOR SECURITY CAMERA RACK. G.C. TO RUN CAT 6 CABLES (WITH EXTRA 2' SLACK) FROM EACH CAMERA ON SALES FLOOR TO CAMERA RACK. EACH END TO BE TERMINATED WITH STANDARD CAT 6 MALE END. TAG CAMERA WIRES FOR IDENTIFICATION FOR FINAL HOOK UP BY TENANT SECURITY CAMERA VENDOR. I.T. CABINET TO BE MOUNTED AT 7'-6" TO BOTTOM.
-A/V HEAD END EQUIPMENT TO BE INSTALLED ON SHELF ADJACENT TO TENANT IT EQUIPMENT. IF SHELF NOT PROVIDED BY VENDOR, G.C. TO PROVIDE/ INSTALL. SEE SHEET A-3.1 FOR IT REQUIREMENTS. ALL LOW VOLTAGE WIRING TO BE PLENUM RATED.
17. POWER AND DATA FOR MANAGER'S DESK EQUIPMENT IN GATE POCKET WALL. SEE SHEET A-3.1 FOR I.T. REQUIREMENTS. ALL LOW VOLTAGE WIRING TO BE PLENUM RATED.
18. POWER AND DATA FOR KITCHEN DISPLAY EQUIPMENT. SEE SHEET A-3.1 FOR I.T. REQUIREMENTS. ALL LOW VOLTAGE WIRING TO BE PLENUM RATED. COORDINATE EXACT REQUIREMENTS.
19. POWER/USB OUTLET AT POWER BAR. REFER TO 3/A-8.1. GREY WITH ST. STEEL COVER
20. REFER TO KITCHEN CONSULTANTS FOOD SERVICE DRAWINGS AND ENGINEERING SHEETS FOR ALL ADDITIONAL POWER/ DATA WITHIN THESE AREAS.

POWER/ SIGNAL NOTES:

1. COORDINATE LOCATION OF POWER REQUIREMENTS IN CASEWORK WITH ARCHITECTURAL DRAWINGS
2. G.C. TO PROVIDE ALL NEW CONDUITS AS REQUIRED. ALL LINE VOLTAGE WIRING IN CONDUIT.
3. MAIN TELEPHONE DISTRIBUTION LINE CONDUITS TO BE PROVIDED BY G.C.
4. ELECTRICIAN TO BE SUBCONTRACTED BY TENANT'S GENERAL CONTRACTOR
5. ELECTRICAL DEVICE & COVER PLATE COLORS ARE CALLED OUT IN ELECTRICAL LEGEND.
6. RECEPTACLES SHALL BE RATED AT 20 AMPERES, 125 VOLTS (NEMA 5-20 CONFIGURATION) WITH SIDE WIRED, COPPER ALLOY SCREW TERMINAL
7. COORDINATE LOCATION OF POWER REQUIREMENTS IN CASEWORK WITH ARCHITECTURAL DWGS. CONFIRM POWER REQUIREMENTS AND FEEDS W/ FIXTURE FABRICATOR PRIOR TO INSTALLATION

ELECTRICAL LEGEND

SEE ELECTRICAL ENGINEERING SHEETS FOR ACTUAL DEVICES. ENG. SHEETS TAKE PRECEDENCE.

⊕	DUPLEX OUTLET	DUPLEX RECEPTACLE, 15A, 120V, MOUNTED AT 18" AFF, UNO. MOUNTED IN MILLWORK OR IN PARTITION AS NOTED. GREY WITH ST. STEEL COVER
⊕	DUPLEX/USB OUTLET	DUPLEX RECEPTACLE, 15A, 120V & USB, MOUNTED AS NOTED. MOUNTED ON OR IN MILLWORK PANEL. GREY WITH ST. STEEL COVER
⊕	QUAD OUTLET	QUAD RECEPTACLE, 15A, 120V OR 208 (SEE ELEC). MTD AT 18" AFF, UNO
▼	TELEPHONE OUTLET	TELEPHONE OUTLET WITH 1"DIAM. CONDUIT WITH PULL WIRE BACK TO TELEPHONE BACK BOARD
▽	DATA OUTLET	DATA OUTLET WITH CONNECTION TO REGISTERS BY OWNER'S CONTRACTOR. CONDUIT, IF REQ'D., BY G.C.
J	JUNCTION BOX	MOUNTED WITHIN WALL OR ON OR ABOVE CEILING AS LOCATED ON PLAN
$	ELEC. SWITCH	SEE ELEC. FOR MORE INFORMATION
TC	TIME CLOCK SWITCH	SEE ELEC. FOR MORE INFORMATION

LEGEND

- LEASE LINE
- KEYNOTE INDICATOR
- X-X POINT OF SALE EQUIPMENT INDICATOR, REFER TO A-2
- X COMPONENT INDICATOR, REFER TO SCHEDULE ON A-2

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
10000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

POWER SIGNAL PLAN

SHEET NUMBER

A-3

PARADIES LAGARDERE I.T. REQUIREMENTS- DINING DATE: 2/8/24, VERSION 1.0

Construction Tasks for Network & Cabling

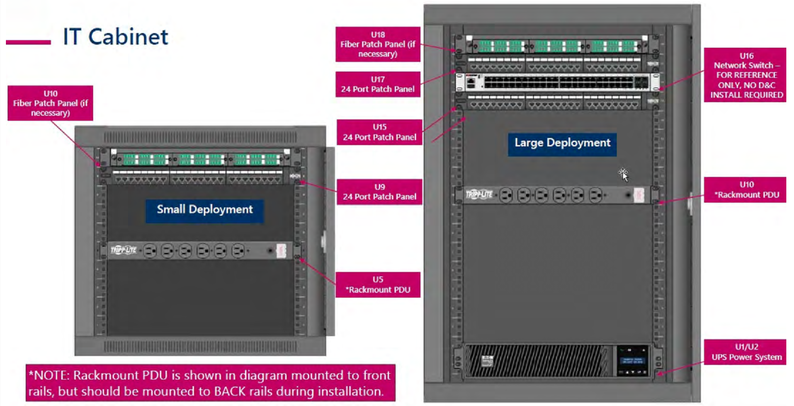
Purchase IT Cabinet & Patch Panel(s)	Pull cables from airport telecom room	Install IT Cabinet & Patch Panel(s)	Pulling & Terminate Cables + Label Patch Panel(s), Network Jacks	Pulling & Terminate Cables for Access Point	Construction Handover to IT Network Vendor
See Specifications • Battery backup purchase may also be required based on deployment	• All data cabling (fiber/copper) needs to be run through conduit	• Wall mounted 6'0 elevation • Must be minimum of 3" below the ceiling. Metal, Ventilated, Locking • Standard 19" rails • At least 200lb load capacity • 1 quad isolated Power Outlet located inside IT Cabinet.	See IT Cabinet for cabinet specs See Patch Panel for termination specs See Port Assignment for port labelling specs	• Locate access point cable termination at the center of customer area • T568B standard termination with female connector	Provide Photos • IT Cabinet • Patch Panel with cables terminated • Power Outlets • All Network Jacks with Labels • Powered battery backup • Cash Desk(s)

IT Cabinet, Patch Panel & UPS Power System

Large Deployment (more than 1 firewall and switch)	Small Deployment (1 firewall and/or 1 switch)
IT Cabinet/Racks: https://www.cdw.com/product/tripp-lite-18u-ups-depth-wall-mount-rack-enclosure-cabinet-hinged-back/3949108	**IT Cabinet/Racks:** https://www.cdw.com/product/tripp-lite-10u-wall-mount-server-rack-enclosure-cabinet-hinged-wallmount/2103607?pfm=srh https://www.cdw.com/product/tripp-lite-10u-wall-mount-rack-enclosure-clear-acrylic-door-hinged-back/3797644?pfm=srh
Patch Panel: https://www.cdw.com/product/tripp-lite-24-port-shielded-blank-patch-panel-rj45-usb-hdmi-cat5e-cat6-taa/4225882?pfm=srh	**Patch Panel:** https://www.cdw.com/product/tripp-lite-24-port-shielded-blank-patch-panel-rj45-usb-hdmi-cat5e-cat6-taa/4225882?pfm=srh
UPS Power System & License (required): https://www.cdw.com/product/apc-smart-ups-750va-smartconnect-port-sinewave-2u-rackmount-lcd-120v/4751124?pfm=srh https://www.cdw.com/product/apc-by-schneider-electric-digital-license-ups-network-management-cards-3y/7536076	
Power Distribution (PDU): https://www.cdw.com/product/tripp-lite-power-strip-12-outlet-rackmount-metal-120v-5-15r-15ft-cord-1urm/1641155?pfm=srh	**Power Distribution (PDU):** https://www.cdw.com/product/tripp-lite-power-strip-12-outlet-rackmount-metal-120v-5-15r-15ft-cord-1urm/1641155?pfm=srh

*The Network or PMA team will inform the Construction PM which size is required

IT Cabinet



*NOTE: Rackmount PDU is shown in diagram mounted to front rails, but should be mounted to BACK rails during installation.

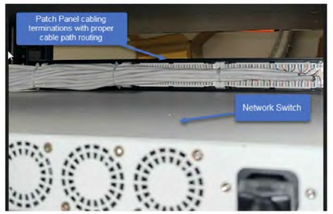
Patch Panel

Construction low voltage vendor to terminate CAT6 cables at Patch Panel, label and test.

- **Cabling runs terminated in keystone jacks.**
- **Pictured example of cabling path to accommodate installation of the switch directly below or in between patch panel rack spaces.**
- **Vendor to provide certification of cabling, testing all wiring pairs.**

***Fiber patch panel needs to be mounted at the top most "U" of the IT cabinet.**

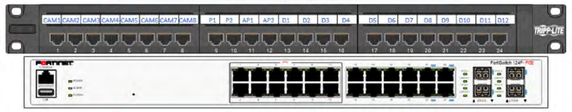
- **For locations that do not require fiber, copper patch panels should shift up 1 "U" to occupy the space left where the fiber patch panel would have installed.**



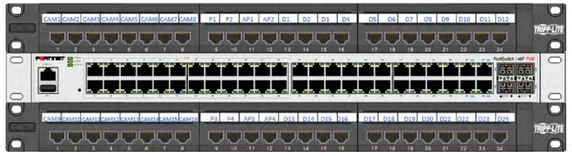
Port Assignment

Port Abbrev. Key	
CAM	Cameras
P1	Phone/"PoE"
AP	Access Points
D	Non-PoE Data Ports

Small Deployment



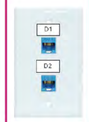
Large Deployment



Network

Power Outlets	Network Jacks	Cable Termination	IT Cabinet	Patch Panel	Access Point
					
One (1) **isolated** quad power outlet inside IT Cabinet Installation of the quad inside the cabinet will require drilling hole(s) through rear cabinet wall. UPS gets plugged in here. With U18 only. PDU gets plugged into UPS U10: PDU gets plugged into wall	• Under counter network jacks secured in an Ethernet keystone wall plate • Labelling to match corresponding punch-down port at the patch panel. • Require line testing/verification from low voltage technician	CAT6 UTP terminated to the T568B standard, female connections at endpoint.	• FW, Switches, Dining Server, NVR/QNAP/DVR CCTV Server. Cradlepoints to be mounted or placed on top. • PDU mounted mid-rack on rear rails • Rack rails installed such that the **SQUARE** mounting holes face the front, NOT the circular fixed holes.	Port Assignment Scheme See Port Assignment for port labelling specs	• Dual Cat6 from network rack to AP location • AP location should be wired to the ceiling (if a drop ceiling, to surface of the drop ceiling with access to the wiring for later installation or repair). • AP location should be roughly in the center of the store footprint. • AP's will provide coverage of 2,500 sq ft – 3,000 sq ft, but we spec for 1 AP per roughly 2,000 sq ft.

POS Requirement - Dining

Power Outlets	Network Jacks	Grommet	POS Area	Move 5000s
				
One (1) **isolated** duplex power outlet per POS • Must also include a floating shelf to support the Power Conditioner 4.23" h X 4.97"W X 7.58"l & weighing 7lbs.	Two LABELED (2) network jacks per POS	Two-inch diameter grommet	• Space for POS needs to be 31"W x 18"D from grommet • Cash Counter Height: 30" from floor to cash counter surface • A cubby or shelf for the 2nd cash drawer 5.5" Height X 18" Wide X 20 " Deep required under the counter. • All equipment should be at least 2ft away from heat and water. E.g. kitchen sink, stove, microwave, etc. • If a POS is to be wall-mounted, the top of the POS screen must be between 55"-58". A shelf needs to be installed within 1 ft away, the shelf needs to be at minimum 12" Wide x 12" Deep holding 30lbs	• Each Move 5000s require: • A duplex power outlet (behind lock and key for charging when store closed. Gate is fine.) • Needs access point • Docking station dimensions: • 8" L x 3.25" W x 2" H

Kitchen Display or Kitchen Printer Requirement

Power Outlets	Network Jacks	Kitchen Printers	Kitchen Display
		Standard Remote Printer  "Sticky" Remote Printer 	
One (1) **isolated** duplex power outlet per Kitchen Display or Printer Must be within 2 ft of the Kitchen Display	Two (2) LABELED network jacks per Kitchen Display or Printer	Standard Remote Printer 5" W x 8"H x 8"D (Dims includes paper/ribbon covers open) "Sticky" Remote Printer 6" W x 11" H x 9D (H includes paper cover open)	21" W x 13" H x 3" D Weight: 11.5 lbs/5.2 kg • Kitchen Display & Bump Bar must be mounted arms-length. • Wall Mount will be supplied by Store Systems. Must be mounted so that the top of the Display will not exceed 81" from the ground. (When Tilted down at 45 degree) • If the top of the display is above 72" Store systems will provide a T-Bar for the bump bar. • Must also include a floating shelf to support the Power Conditioner 4.23" h X 4.97"W X 7.58"l & weighing 7lbs.

Office Requirement

Power Outlets	Network Jacks	Mitel Phone	PC	Printer
				
One (1) **isolated** quad power outlet	Four (4) network jacks	For office = 6000 Series 9.3" L x 5.9" W x 7.5" H For store = 6940s	AIO = 14.75" H x 21.34" W x 8.56" D, 16" W to use a mouse 14" Laptop closed = 0.7" x 12.75" W x 8.68" D, open 10" Hx 15" W x 11" D	C180F - 17.3" × 13.5" × 11.0" (WDH) MC240FW - 16.19" x 15.32" x 13.58" Epson WF-C8610 16.7" x 15.3" x 15"

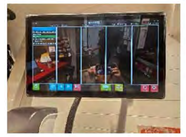
Temperature / Waste Management

KTI Monitoring And Waste Tracking

KTI Technology will enables real-time monitoring of food production, distribution, and storage, ensuring timely identification and response to potential hazards in the platform and commissaries.

1. Automate HACCP compliance and food safety audits.
2. Eliminate food operations errors, paper-based procedures, and manual tasks.
3. Continuously monitor temperature of walk-in coolers, display case, and refrigerators.
4. Receive refrigerator, cooler and freezer temperature alerts whenever there are temperature excursions.

Kitchen Display Scenarios

No Bump Bar	Bump Bar with T-bar Bracket		Bump Bar without T-Bar
	Portrait	Landscape	
			
All KDS are touch enabled KDS will be installed somewhere reachable 21" W x 13" H x 3" D	If the site prefers a bump bar (perhaps in a very greasy area) AND the KDS is reachable, we can add a bump bar on a T-Bar bracket underneath the KDS Portrait KDS with T-bar & Bumpbar: 25"H x 13"W x 5"D Landscape KDS with T-Bar & Bump Bar: 17"H x 21"W x 5"D		If a site wants a bump bar but the KDS is not in reachable distance or there is no room underneath the KDS for a bump bar, the bump bar bracket must be mounted somewhere reachable Bump Bar: 8.25" x 1.25" x 2.75" (W x H x D)

NOTES

ALL NEW NETWORK WIRING MUST BE CAT6.

ALL POWER OUTLETS MUST BE ACCESSIBLE AND DEDICATED CIRCUITS.

ALL EQUIPMENT MUST BE SEPARATED FROM HEAT AND WATER.

ALL DIGITAL DISPLAYS REQUIRE ONE NETWORK JACK EVEN IF IT HAS PROVISIONED OTHER TYPE OF CONNECTIONS.

~~CONSTRUCTION CONTRACTOR TO INSTALL SELF-CHECKOUT~~

ALL OUTLETS AT I.T. CABINET, OFFICE AREA, POS'S, AND PRINTERS SHALL BE ISOLATED.

COMMUNICATIONS & ELECTRICAL CONNECTIONS

ELECTRICAL SERVICE:

NEW WIRES FROM AIRPORT ELEC. ROOM? ■ YES ☐ NO ☐ EXISTING
NEW CONDUIT REQUIRED? ■ YES ☐ NO ☐ EXISTING

INTERNET CAT6 OR FIBER / CABLE TV:

NEW WIRES FROM AIRPORT COMM. ROOM? ■ YES ☐ NO ☐ EXISTING
NEW CONDUIT FROM COMM. ROOM? ■ YES ☐ NO ☐ EXISTING

CAT6, SPEAKER, CAMERA WIRES WITHIN SPACE:

CONDUIT REQUIRED IN PLENUM / WALLS? ☐ YES ■ NO ☐ EXISTING
* ALL CABLING TO BE PLENUM RATED

TENANT IS RESPONSIBLE FOR CONTACTING CABLE TV SERVICE IF DESIRED. ALL FEES PAID BY TENANT

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

I.T. REQUIREMENTS

SHEET NUMBER

A-3.1

LEGEND

- KEYNOTE INDICATOR
- CEILING @ X'-X" AFF — CEILING HEIGHT INDICATOR
- X / A-X — SECTION/ DETAIL INDICATOR
- FIXED / 360° — TENANT SECURITY CAMERA. OWNER TO DIRECT LOCATION.
- J — ELECTRICAL CONNECTION FOR SIGNAGE OR LIGHTING
- S D,3 — SWITCH- DIMMING, 3 WAY
- F — FIRE ALARM HORN/ STROBE

LIGHTING SCHEDULE

ALL LIGHTING FIXTURES & LAMPS SUPPLIED BY OWNER, INSTALL BY G.C.

SYMBOL		DESCRIPTION	QTY	CATALOG #: REMARKS	DIM?	NOTES
◎	A	LED DOWNLIGHT	20	SENSO, LATONA- 510-FL-A90- 615-35-15-00-01-915-DIM-120 WHITE FIXTURE @ STOREFRONT SOFFIT.	Y	
▭	A1	LED MULTISPOT (28 WATTS EACH)	5	SOLAIS, SAR12/1/OF/PW/PW/SP/9/35/1600/UNV120/LS	N	
▽ ▽	B	LED TRACK SYSTEM- ADJ. BEAM SPREAD	68 12	JUNO, R620L - 15W - 35K - 90CRI - BLACK. HEADS AIMED TO LIGHT GRAPHIC SET TO WIDE SPREAD. HEADS AIMED AT FLOOR OR TABLES SET TO NARROW. 8', T8 TRACKS, BLACK. HANG VIA THREADED ROD AT 11'-6", OR MOUNT TO SOFFIT BACK FACE AS SHOWN. ALL PARTS BLACK.	Y	TRACK HEADS DESIGNED TO LIGHT WALL GRAPHICS AND PROVIDE CIRCULATION LIGHTING. FINAL AIMING TO BE DIRECTED BY OWNER, ACCOMPLISHED BY GC.
⊕	C	RATTAN PENDANT	4	BERKLIN 1-LIGHT NATURAL DOME PENDANT. AVAILABLE AT WAYFAIR.COM, SKU: W110940835, $148.79 EA. MOUNT AT 6'-9" AFF TO BOTTOM. LAMP: 60 W EQ, E26 LED, 2700K	Y	
◉	C1	RATTAN PENDANT	3	JANICA 2-LIGHT GEOMETRIC CHANDELIER. AVAILABLE AT WAYFAIR.COM, SKU: W100282908, $74.99 EA. MOUNT AT 8'-0" AFF. LAMP: 40 W EQ, CANDELABRA LED, 2700K	Y	JBOX MOUNTED TO CLG ABOVE. CUT ROUND HOLE IN BOAT TO RUN WIRE TO LAMP
⊶⊶	D	LED FESTOON- STRING	3	25' FESTOON STRING FIXTURE, BLACK, ATTACH TO TRELLIS MEMBERS, END TO END CONNECTION. AVAILABLE AT WWW.1000BULBS.COM, SKU: PLTS-12133	Y	SEE RENDERINGS FOR APPROXIMATE SWAG HANGING HEIGHTS.
	D	LED FESTOON- LAMP	50	300 LUMEN, MEDIUM BASE, S14 BULB, 2700 K, AVAILABLE AT WWW.1000BULBS.COM, SKU: PLTS-13270		
◁▷	EM	EMERGENCY LIGHT W/ BATTERY	5	(2) IN KITCHEN TO BE WHITE (3) IN DINING ROOM TO BE BLACK	N	
▭	F	FLOURESCENT TROFFER	9	LITHONIA LIGHTING,CPX - 2X4 - 400LM - 35K - M2. 2' X 4'. 38.9 WATTS. WHITE	N	
⋯	L	FLEXIBLE LED STRIP LIGHT	TBD	HERA,CURVE-LED, 3000K, E. SAM JONES TO DETERMINE BEST LENGTHS AND PROPER TRANSFORMERS TO INCLUDE WITH ORDER. FOR BOAT TOP EDGE LIGHTING.	N	LED STRIP IS BENDABLE TO ALLOW FOR CONTINUOUS INSTALLATION WITHOUT BREAKS. SET INTO ROUTS.
					N	
▭	M	LED STRIP LIGHT	1	MOUNTED TO INTERIOR SIDE OF BULKHEAD IN KITCHEN. PURCHASE LOCALLY. CIRCUIT WITH OTHER 'F' LIGHTS.	N	INSTALL AT BOTTOM OF HEADER TO LIGHT XFRMRS AND ELEC PANELS
⊗	X	EXIT SIGN	3	LIGHTED EXIT SIGN. KITCHEN TO HAVE WHITE BODY WITH RED LETTERS. DINING ROOM TO HAVE BLACK BODY WITH GREEN LETTERS	N	

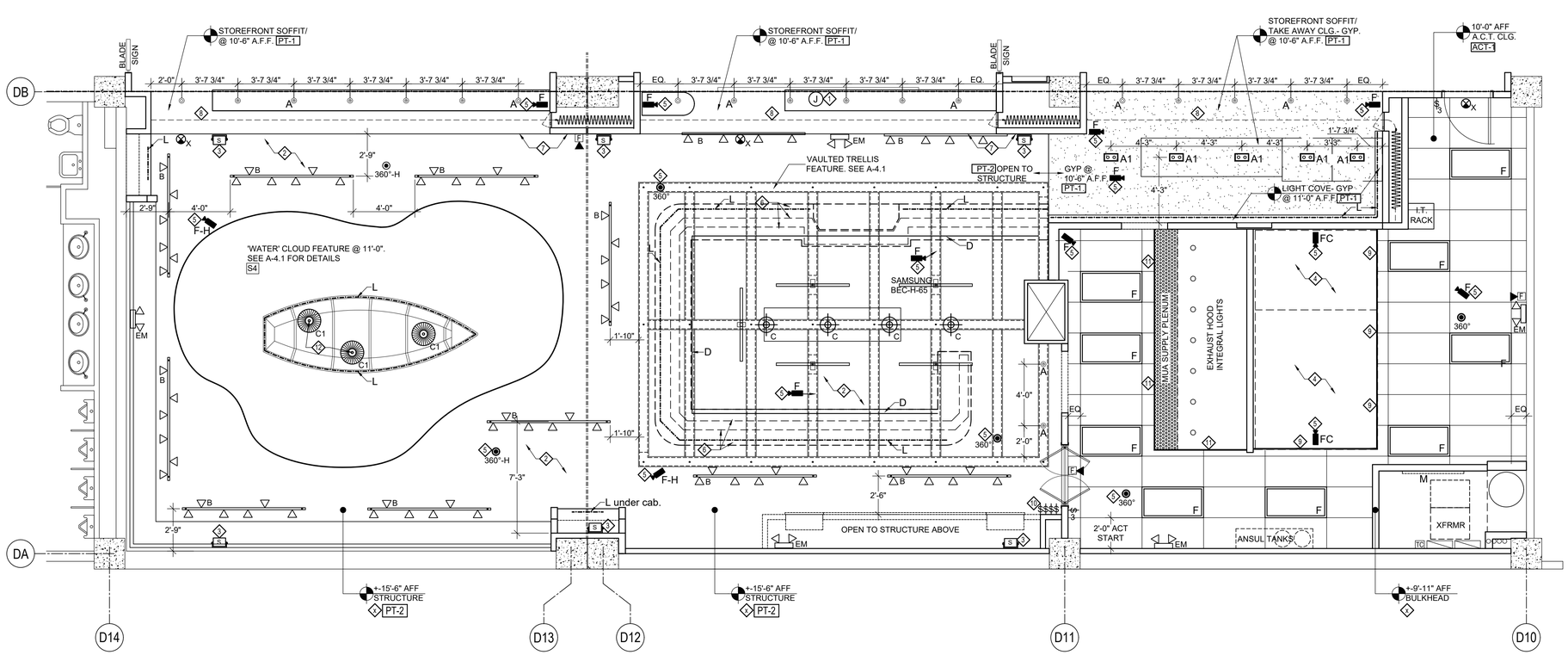
CEILING SCHEDULE

ACT-1	NEW 2'X4' LAY-IN CEILING GRID & TILE		STOCK ROOM: WHITE VINYL COVERED GYP PANELS ON 15/16" GRID, CLASS A
SUPPLY / RETURN	HVAC DIFFUSER		KITCHEN AND ANY GYP CEILING AREAS. REFER TO MEP.
SUPPLY / RETURN	HVAC DIFFUSER		BLACK ROUND TYPE IN OPEN CLG AREAS, REFER TO MEP. DIFFUSERS AND ASSOCIATED DUCTWORK TO BE PAINTED PT-1 TO MATCH PLENUM .
J	J-BOX		ELECTRICAL CONNECTION FOR SIGNAGE OR LIGHTING
●	SPRINKLER HEAD		RELOCATE AS REQUIRED FOR NEW LAYOUT

SECURITY CAMERA SCHEDULE

ALL NECESSARY CONDUIT, WIRE, JBOXES, AND THREAED RODS BY G.C. OWNER TO AFFIX CAMERA ONLY

SYMBOL	DESCRIPTION	QTY	CATALOG #: REMARKS
F	SURFACE MTD. FIXED SECURITY CAMERA	9 WHITE	CONDUIT, WIRE PULL AND ELECTRICAL CONNECTIONS BY GC. CAMERA, LOCATION, AND AFFIX BY OWNER.
FC	SURFACE MTD. FIXED SECURITY CAMERA- COLD	2 WHITE	CONDUIT, WIRE AND ELEC CONNECTIONS BY GC. FOLLOW NFPA 70 GUIDELINES FOR COOLER CAMS. GC TO SEAL PENETRATION. CAMERA, LOCATION, AND AFFIX BY OWNER.
F-H	FIXED ON THREADED ROD FROM ROOF	2 BLACK	CONDUIT, WIRE PULL AND ELECTRICAL CONNECTIONS BY GC. CAMERA, LOCATION, AND AFFIX BY OWNER. CONDUIT/ WIRE TO BE BLACK
360°-H	360° ON THREADED ROD FROM ROOF	2 BLACK	CONDUIT, WIRE PULL AND ELECTRICAL CONNECTIONS BY GC. CAMERA, LOCATION, AND AFFIX BY OWNER. CONDUIT/ WIRE TO BE BLACK
360°	SURFACE MTD. 360° SECURITY CAMERA	4 WHITE	CONDUIT, WIRE PULL AND ELECTRICAL CONNECTIONS BY GC. CAMERA, LOCATION, AND AFFIX BY OWNER.
S	SPEAKER	6 BLACK	WALL MOUNTED AT 12'. BLACK WIRE TO EACH SPEAKER BY G.C.



REFLECTED CEILING PLAN | 1/4" = 1' - 0" | 1

SITE SPECIFIC KEYED NOTES

1. NEW ILLUMINATED STOREFRONT SIGN. G.C. TO PROVIDE JUNCTION BOX. REUSE EXISTING JUNCTION BOX WHEN POSSIBLE. REFER TO STOREFRONT SHEET A-6 FOR MORE INFORMATION AND SIGN LEGEND FOR DESCRIPTION.
2. G.C. SHALL HIRE A LICENSED SPRINKLER CONTRACTOR TO PRODUCE A FIRE PROTECTION PLAN AS REQUIRED FOR PERMITTING. HEADS IN OPEN CEILING AREAS TO BE UPRIGHT TYPE.
3. G.C. TO CONFIRM QUANTITY AND LOCATION OF WALL MOUNTED SPEAKERS WITH OWNERS A/V CONSULTANT. SPEAKERS TO BE BLACK. NOTE: ALL TENANT SOUND SYSTEMS SHALL BE INTERLOCKED WITH THE BUILDINGS FIRE ALARM SYSTEM TO TERMINATE OPERATION UPON A SIGNAL FROM THE FIRE ALARM. WORK ON THE EXISTING FIRE ALARM SYSTEM SHALL BE CARRIED OUT BY AN AUTHORITY APPROVED CONTRACTOR AT THE TENANT'S EXPENSE.
4. MAINTAIN OPEN PLENUM ABOVE WALK-IN BOXES FOR HEAT DISSIPATION.
5. CAMERAS BY OWNER. CONDUIT/ WIRE SUPPLIED AND INSTALLED BY G.C. FINAL CAMERA LOCATIONS TO BE DETERMINED BY OWNER, TYPICAL. CAMERA LENS TO BE LOCATED FLUSH WITH BOTTOM OF CEILING FEATURE WITHOUT OBSTRUCTED VIEW. CAMERA RACK TO BE LOCATED IN STOCK ROOM AS INDICATED ON POWER-SIGNAL PLAN. CAMERAS TO BE BCOLOR INDICATED IN SCHEDULE. EACH POS CAMERA TO BE LOCATED 5'-6' FROM CENTER OF EACH POS/ TOUCHSCREEN.
6. BARTOP AND BAR DIE WALL SHOWN DASHED BELOW
7. BACK OF SOFFIT FLUSH WITH BACK OF STOREFRONT WALL.
8. DASHED LINE REPRESENTS TRACK FOR SECURITY GATE OPERATION.
9. STAINLESS STEEL FIELD WRAPPER INSTALLED FORM TOP COLER TO CEILING
10. DINING/ BAR SWITCH BANK LOCATION. STACK SWITCHES AS REQUIRED. COORD DIMMING REQUIREMENTS

    STAINLESS FIELD WRAPPER FROM TOP OF HOODS TO CEILING. SEE FS DWGS.

    CUT ROUND HOLE IN BOAT BOTTOM TO RUN WIRE FROM J BOX IN CEILING TO THE LIGHT FIXTURE.

GENERAL CEILING NOTES

1. G.C. TO VERIFY THAT EXISTING STRUCTURE, DUCTWORK, EQUIPMENT, ETC. DOES NOT INTERFERE W/ NEW FINISHED CEILING HEIGHTS SHOWN ON CEILING PLAN. G.C. TO NOTIFY TENANT'S REPRESENTATIVE IMMEDIATELY IF FINISHED CEILING HEIGHTS ARE NOT ATTAINABLE
2. G.C. MUST RAISE ANY OBSTRUCTION DISCOVERED AFTER DEMOLITION TO ATTAIN CEILING HEIGHTS SHOWN.
3. VERIFY ALL SITE DIMENSIONS IN FIELD PRIOR TO INSTALLATION OR FABRICATION
4. ALL CONCEALED WOOD BLOCKING TO BE FIRE RETARDANT TREATED
5.
6. SPRINKLER CONTRACTOR TO PROVIDE SPRINKLER SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. ALIGN SPRINKLERS AS REQUIRED BY CODE. DESIGN INTENT: ALIGN PARALLEL WITH CEILING PLANES
7. ARCHITECTURAL DRAWINGS SHALL GOVERN THE PLACEMENT OF ITEMS (LIGHT FIXTURES, BEAMS, ETC.) EXPOSED TO VIEW
8. G.C. SHALL PROVIDE TENANT WITH CEILING PLAN SHOWING PROPOSED SPRINKLER HEAD LOCATIONS FOR APPROVAL PRIOR TO INSTALLATION
9. SEE ELECTRICAL PLANS TO COORDINATE REQUIREMENTS FOR SPEAKERS AND FIRE SAFETY EQUIPMENT
10. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR LOCATION OF AIR DIFFUSERS, SPRINKLER HEADS AND EMERGENCY LIGHTING, ETC. NOTIFY THE DESIGNER AND/OR OWNER'S REPRESENTATIVE AT ONCE OF ANY CONFLICTS.
11. LOCATION OF ANY FIRE OR MEP ITEM IN CEILING FEATURE TO BE APPROVED BY DESIGNER PRIOR TO INSTALLATION
12. PROVIDE ADEQUATE CLEARANCES FOR FIXTURES, DUCTS, CEILING AND RELATED PERTINENT ITEMS NECESSARY TO MAINTAIN THE SPECIFIC HEIGHTS ABOVE FINISH FLOOR. COORDINATE MECHANICAL, ELECTRICAL AND PLUMBING AS REQUIRED.
13. G.C. TO COORDINATE FINAL LOCATIONS OF FIXTURES W/ OWNER PRIOR TO INSTALLATION OF POWER
14.
15. LOUDSPEAKER SYSTEMS SHALL NOT INTERFERE WITH BUILDING. PUBLIC SAFETY, PUBLIC ADDRESS ANNOUNCEMENTS AND ALL TENANT SOUND SYSTEMS SHALL BE INTERLOCKED WITH BASE BUILDING FIRE ALARM SYSTEM TO TERMINATE OPERATION UPON A SIGNAL FROM THE FIRE ALARM.
16. SPEAKER VOLUME SHALL BE CONTROLLED AT OFFICE DESK AREA.
17. ALL SOUND EQUIPMENT, SPEAKERS, ETC TO BE CONCEALED AND AS UNOBTRUSIVE AS POSSIBLE. AUDIO VISUAL CONSULTANT TO COORDINATE. OWNER TO REVIEW AND APPROVE. COORDINATE POWER AND DATA AS REQUIRED. COLOR TO MATCH BACKGROUND AS CLOSE AS POSSIBLE.
18. SEE MECHANICAL PLAN FOR LOCATIONS OF EXISTING VAV BOXES ABOVE CEILING AND FOR LOCATION OF DIFFUSERS. RELOCATE AS NECESSARY.
19. ALL DIFFUSERS AND GRILLES TO BE PAINTED TO MATCH ADJACENT CEILING COLOR
20. ADDITIONAL HANGER AND SAFETY WIRES FOR LIGHT FIXTURES, SPEAKERS AND AIR SUPPLY/RETURN DIFFUSERS AS REQUIRED BY LOCAL CODES TO BE THE RESPONSIBILITY OF THE SUBCONTRACTOR
21. SUSPENDED ACT CEILING SHALL BE BRACED TO STRUCTURAL FRAMING AS PERMITTED AND REQUIRED-G.C. TO VERIFY
22. LIGHT AIMING TO BE EXECUTED BY G.C. OR E.C. AND OWNER ON SITE AT PROJECT TURNOVER AS REQUIRED.
23. LOCATE REMOTE TRANSFORMERS REQUIRED FOR LIGHTING AS REQUIRED
24. ANY REQUIRED ACCESS PANELS TO MAINTAIN EQUIPMENT SHOULD BE 24"x24" FLUSH, FRAMELESS TYPE & PAINTED TO MATCH ADJACENT MATERIALS.. ACCESS PANELS TO BE AS UNOBSTRUSIVE AS POSSIBLE. COORDINATE LOCATION & NUMBER REQUIRED WITH PLENUM EQUIPMENT.
25. G.C. TO INSTALL CONDUIT, IF REQUIRED BY AIRPORT, AS NECESSARY FOR POS SYSTEM, SECURITY CAMERAS, SOUND SYSTEM. COORDINATE WITH OWNER'S REPRESENTATIVE.
26. SMOKE DETECTOR AND FIRE ALARM SYSTEM DEVICES TO BE SPECIFIED AND INTEGRATED INTO EXISTING AIRPORT SYSTEMS BY LICENSED CONSULTANT FOR AIRPORT APPROVAL.
27. ALL REQUIRED EGRESS SIGNAGE AND POWER TO BE COORDINATED BY G.C.
28. ALL LIGHT FIXTURES IN CEILING GRID SHALL BE CENTERED IN TILE, U.N.O.
29. NO LIGHT TO BE VISIBLE UNDER RECESSED FIXTURE TRIM
30. NIGHT LIGHTS TO BE INSTALLED ON SEPARATE CIRCUIT - SEE ELEC. PLAN
31. SPACE SHALL EMPLOY SECURITY CAMERAS. GC TO LOCATE PER DIRECTION OF OWNER REP. CAMERAS TO BE PLACED WITH UNOBSTRUCTED VIEW. CONFIRM CAMERA COLOR PRIOR TO ORDER AND INSTALL.
32. NO NEW SPRINKLER WORK IS ENVISIONED FOR THE PROJECT. ALL FIRE SAFETY EQUIPMENT TO BE TESTED AND REUSED. BRING ANY DEFICIENCIES TO THE ATTENTION OF THE PROJECT MANAGER
33. USE MOUNTING KITS FOR ALL RECESSED LIGHT FIXTURES AS REQUIRED
34. ALL HVAC COMPONENTS TO HAVE MINIMAL EXPOSURE. G.C. TO COORDINATE CONDITIONS AND SPECIFICATIONS. DESIGN INTENT IS FOR LINEAR DIFFUSERS TO BE ALIGNED PARALLEL WITH FIXTURE LAYOUT. G.C. TO COORDINATE WITH AIRPORT STANDARDS
35. OPEN
36. G.C. MUST BRING NEUTRAL PIERS & MALL CEILINGS BACK TO LIKE NEW CONDITIONS AFTER CONSTRUCTION
37. NO CEILING SHALL BE INSTALLED UNTIL A HYDROSTATIC TEST HAS BEEN CONDUCTED ON THE SPRINKLER SYSTEM
38. ALL HANGING EQUIPMENT AND ARCHITECTURAL FEATURES TO BE SUPPORTED AS DETAILED. CAUTION TO BE USED WHEN INSTALLING ANCHORS, UNISTUT TRAPEZES, AND THREADED RODS.

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

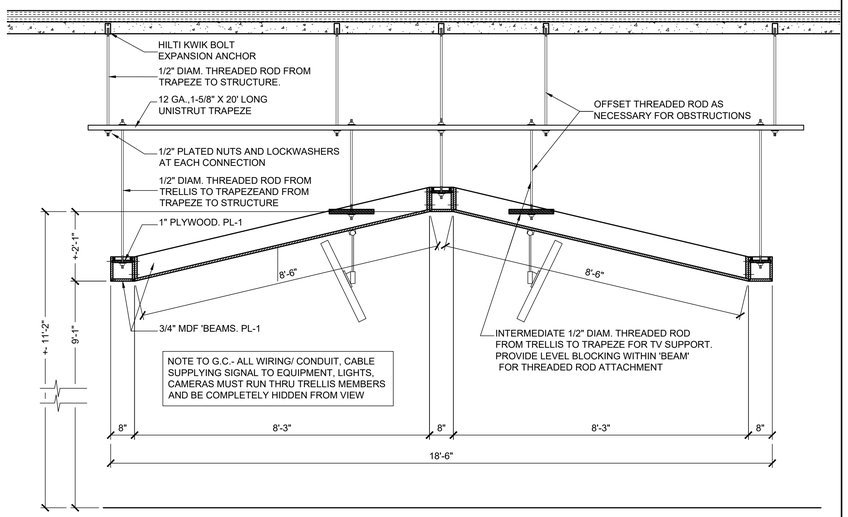
REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

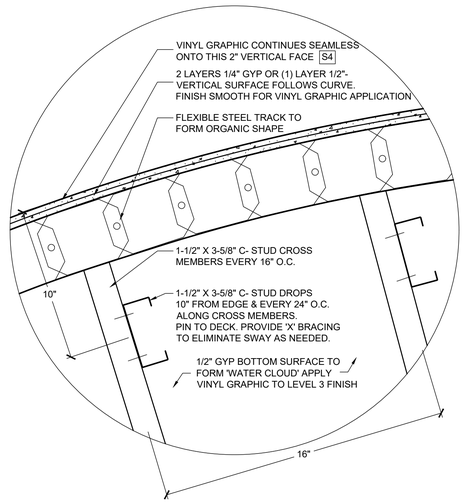
REFLECTED CEILING PLAN

SHEET NUMBER

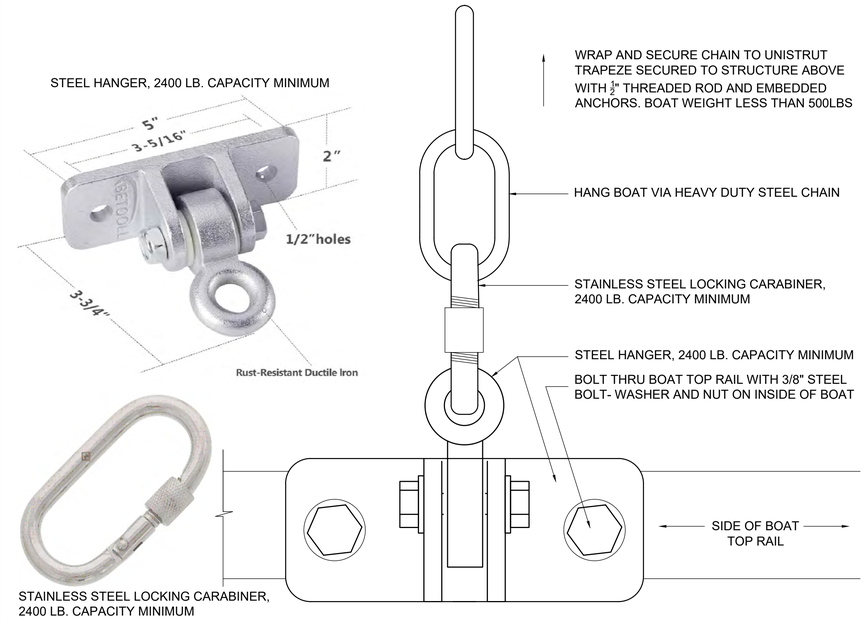
A-4



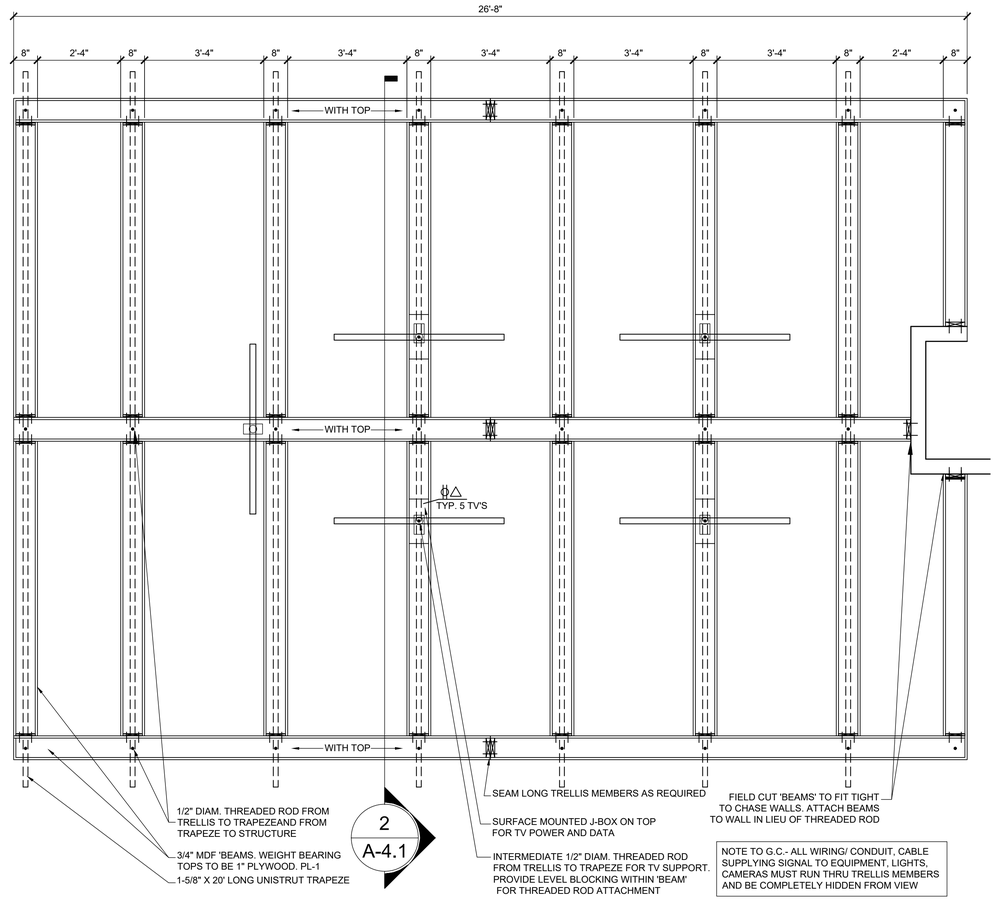
SECTION @ TRELLIS PEAK | 1/2" = 1'-0" | 2



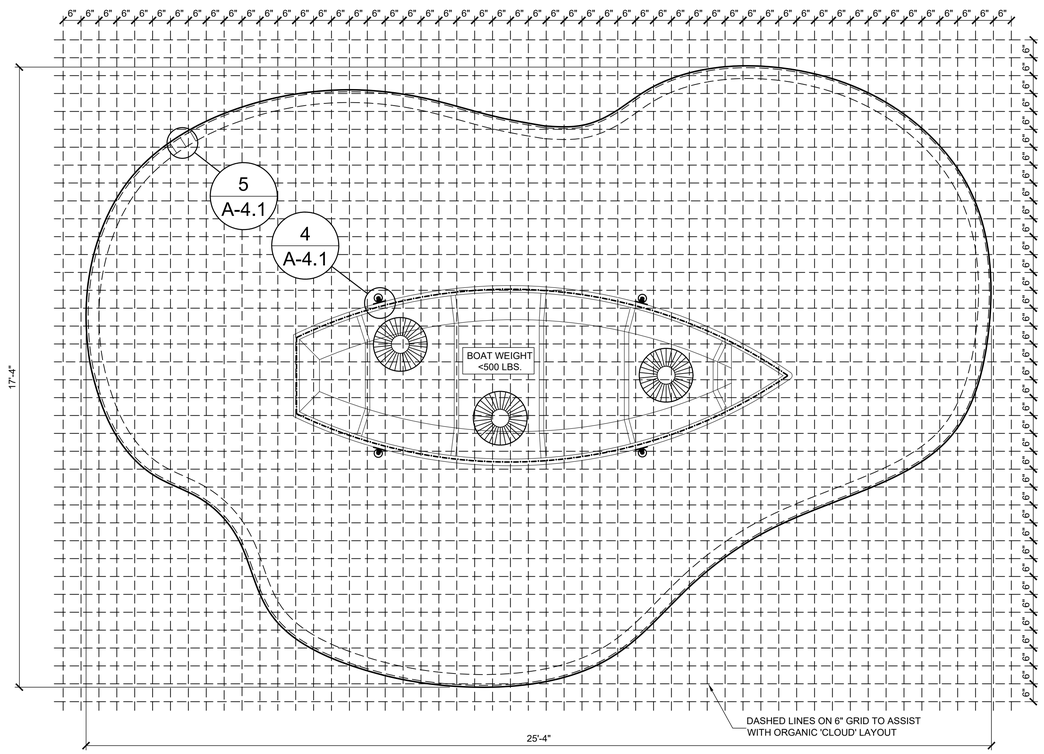
'WATER CLOUD' DETAIL | HALF SIZE | 5



STEEL HANGER @ BOAT | FULL SIZE | 4



BAR TRELLIS- PLAN | 1/2" = 1'-0" | 1



WATER CLOUD/ BOAT FEATURE LAYOUT PLAN | 1/2" = 1'-0" | 3

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

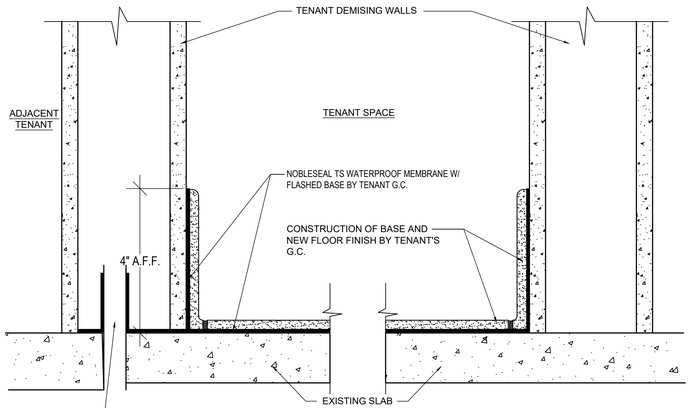
REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

CEILING DETAILS

SHEET NUMBER

A-4.1

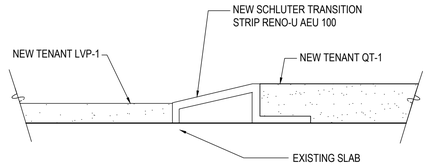


NOTE TO G.C.- ENTIRE TENANT KITCHEN AND BAR AREA WILL REQUIRE WATERPROOF IN THEIR ENTIRETY, TO EXTEND 4" UP THE VERTICAL SURFACE OF ALL INTERIOR OR PERIMETER WALLS AND FLOOR PENETRATIONS.

ANY WALLS THAT HAVE PLUMBING RUNNING WITHIN WILL NEED TO HAVE WATERPROOFING MEMBRANE INSTALLED UNDER BASE TRACK, NOBLE SEALANT 150 TO BE USED AT ANCHORS THROUGH MEMBRANE TO SLAB.

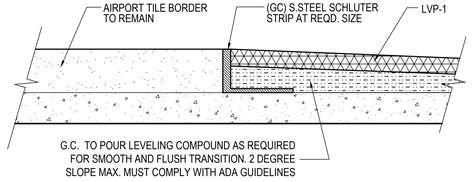
WATERPROOF MEMBRANE TO BE NOBLESEAL TS, WATERPROOFING MEMBRANE WITH FIBERGLASS ALKALI RESISTANT WATERPROOFING MESH OR EQUAL.

WATERPROOFING DETAIL | N.T.S. | A



TRANSITION FROM TENANT QUARRY TILE TO TENANT LVP-1

TILE TRANSITION DETAILS | N.T.S. | B



TRANSITION FROM CONCOURSE TILE TO TENANT LVP-1

TILE TRANSITION DETAIL | N.T.S. | C

SITE SPECIFIC KEYED NOTES

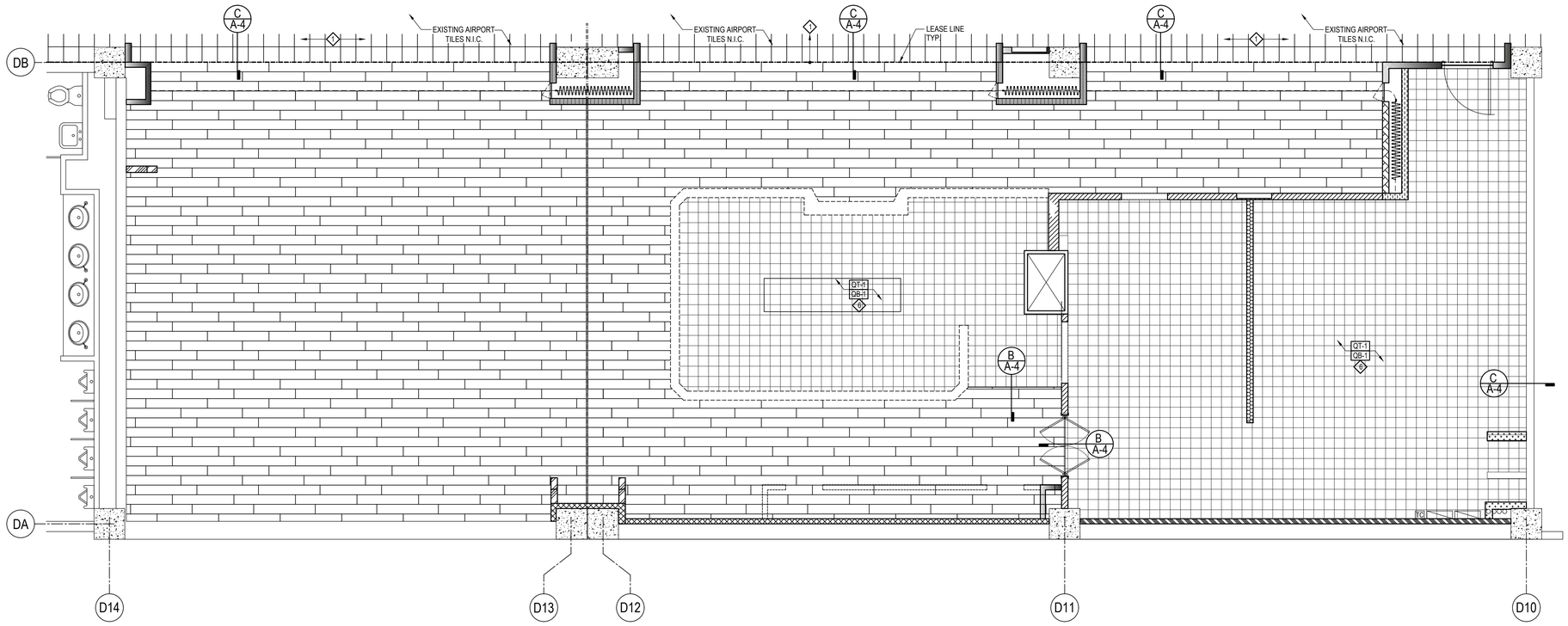
1. LEVEL FLOOR AS REQUIRED IF OUT OF LEVEL MORE THAN 1" OVER TOTAL FLOOR.
2. EXISTING AIRPORT FLOORING. PROTECT DURING CONSTRUCTION.
3. PROTECT EXISTING TILE AT STOREFRONT. REPLACE IF DAMAGED. G.C. TO INFILL WITH AIRPORT STANDARD TILE AS REQUIRED DUE TO NEW CONSTRUCTION LAYOUT.
4. LINE OF SECURITY GRILLE CLOSURE.
5. G.C. TO PROVIDE/REPAIR AIRPORT STANDARD TILE AT AREAS AFFECTED BY DEMOLTION.
6. FLOOR SLAB UNDER QT-1 TO RECEIVE LIQUID MEMBRANE WATERPROOF MEMBRANE. SEE DETAIL A/ A-5 FOR INFORMATION. MEMBRANE TO TURN UP WALLS AND PIPE PENETRATIONS TO PROVIDE WATERPROOF FLOOR.

LEGEND

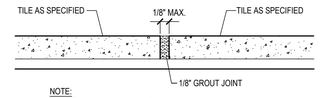
- LEASE LINE
- KEYNOTE INDICATOR
- FINISH INDICATOR
- SECTION INDICATOR

GENERAL FLOORING NOTES

1. FLOORING INSTALLATION TO BE LEVEL. NO MORE THAN 1/16" VARIANCE IN HEIGHT WILL BE ACCEPTED. G.C. SHALL FIELD VERIFY CONDITION OF FLOOR FOR LEVELNESS, STABILITY AND/ OR ANY IMPERFECTIONS PRIOR TO SUBMITTING BID. (NOTE: G.C. TO FIX AND/ OR REPAIR EXISTING SUBSTRATE IF NECESSARY IN ORDER TO MEET THE BONDING AND LEVELNESS TOLERANCE).
2. TILE IS TO BE THIN SET.
3. ALL GROUT JOINTS TO BE 1/16" WIDE MAXIMUM, UNLESS OTHERWISE NOTED.
4. ALL TRANSITIONS BETWEEN FLOORING MATERIALS SHALL BE FLUSH AND SMOOTH.
5. FLOORING MATERIAL IS FROM DEMISING WALL TO DEMISING WALL, U.O.N.
6. ONLY CEMENTICIOUS PATCHING AND LEVELING COMPOUND TO BE USED.
7. ANY FLOOR PENETRATIONS REQUIRED SHALL BE PERFORMED PER DETAIL A/A-1.1
8. ANY ABANDONED FLOOR PENETRATIONS SHALL BE REPAIRED PER DETAIL B/A-1.1



FLOOR COVERING PLAN | ¼" = 1' - 0" | 1



NOTE:
GROUT JOINT FLUSH WITH TOP OF TILES, NOT CONCAVE.
1/8" TOTAL WIDTH OF FINISHED JOINT.

GROUT DETAIL | NTS | A

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

FLOOR COVERING PLAN

SHEET NUMBER
A-5

FINISH & MATERIAL SCHEDULE

FINISH	TAG	MATERIAL	MANUFACTURER	PATTERN & COLOR	REMARKS	FIRE RATING	SUPPLIED BY	INSTALLED BY
	LVP-1	LAMINATED VINYL PLANK	SHAW CONTRACT	SERIES: REPOSE, STYLE NO. 4089V, COLOR: SHELL 89250, SIZE: 7" x 48" PATTERN: STAGGERED	RETAIL FLOOR- USE MANUFACTURERS RECOMMENDED ADHESIVE. FOR ALL FLOOR OR WALL TILE, CONTACT: LESLIE DEAN w/ STORE FLOORS, 678-638-1615, lesliedean@quarterturngroup.com	N/A	TENANT	GC
	PT-1	PAINT- ACRYLIC LATEX	AIRPORT STANDARD	COLOR: AIRPORT STANDARD, G.C. TO VERIFY SPECIFICATION WITH AIRPORT	FINISH: AIRPORT STANDARD. TO RECEIVE ONE COAT OF COMMERCIAL GRADE PRIMER PRIOR TO RECEIVING TWO COATS OF PAINT.	N/A	GC	GC
	PT-2	PAINT- ACRYLIC LATEX	SHERWIN WILLIAMS	COLOR: DEEP SEA DIVE, SW7618, FINISH: FLAT	INTERIOR WALLS AT 10'-6" AND HIGHER AND EXPOSED PLENUM THROUGHOUT, UNLESS NOTED OTHERWISE- FINISH: EGGSHELL ON WALLS AND MATTE AT CEILING. TO RECEIVE ONE COAT OF COMMERCIAL GRADE PRIMER PRIOR TO RECEIVING TWO COATS OF PAINT. REFER TO ELEVATIONS FOR LOCATIONS.	N/A	GC	GC
	PT-3	PAINT- ACRYLIC LATEX	SHERWIN WILLIAMS	COLOR: SOFTENED GREEN, SW6177, FINISH: SATIN	INTERIOR WALLS- FINISH: EGGSHELL. TO RECEIVE ONE COAT OF COMMERCIAL GRADE PRIMER PRIOR TO RECEIVING TWO COATS OF PAINT.	N/A	GC	GC
	WC-1	WALLCOVERING	WOLF GORDON	STYLE: LEICESTER, COLOR: GREEN MIST VINYL WALLCOVERING. 54" WIDTH, REVERSE HANG, RANDOM MATCH, TYPE II.	INTERIOR WALL, SEE ELEVATIONS.	CLASS A	GC	GC
	WC-2	WALLCOVERING	FROM AMAZON.COM (SEE DESCRIPTION)	STYLE: Amazon.com: 36" (3feet) Width x 6.6 feet Length Natural Rattan, Cane Webbing, Rattan roll, Large Size Woven Open Mesh Caning Material, Rattan Material, Cane Direct from Origin Asia for Rattan Furniture, Chair	REFER TO DETAIL 3/A-8.2, SEE ELEVATIONS.	CLASS A	M.C.	M.C.
	WT-1	PORCELAIN TILE	TILE BAR	SERIES: EDEN ELECTRIC LIME GREEN RIMMED, POLISHED PORCELAIN TILE, 1" PENNYROUND, GROUT: CUSTOM 640, ARCTIC WHITE, SEALED.	TAKE AWAY FRONT AND ACCENT BACK SPLASHES AT WAITSTATIONS- USE MANUFACTURERS RECOMMENDED ADHESIVE. FOR ALL FLOOR OR WALL TILE, CONTACT: LESLIE DEAN w/ STORE FLOORS, 678-638-1615, lesliedean@quarterturngroup.com	N/A	TENANT	GC
	WT-2	PORCELAIN TILE	TILE BAR	SERIES: CAVALLO FIJI BLUE 7" HEXAGON GLOSSY PORCELAIN TILE, SIZE: 7" X 8.05", THICKNESS: 10mm, GROUT: CUSTOM, 115 PLATINUM, 1/4" WIDE, SEALED	BAR FRONT - USE MANUFACTURERS RECOMMENDED ADHESIVE. FOR ALL FLOOR OR WALL TILE, CONTACT: LESLIE DEAN w/ STORE FLOORS, 678-638-1615, lesliedean@quarterturngroup.com	N/A	TENANT	GC
	WT-3	**AIRPORT TILE**	AIRPORT STANDARD	COLOR: AIRPORT STANDARD, G.C. TO VERIFY SPECIFICATION WITH AIRPORT. AIRPORT HAS STOCK.	USE MANUFACTURERS RECOMMENDED ADHESIVE. GROUT: AIRPORT STANDARD	CLASS A	AIRPORT	GC
	PL-1	PLASTIC LAMINATE	FORMICA	COLOR: BEIGE ELM NATURAL GRAIN, 5794-NG	MILLWORK	CLASS A	MC	MC
	PL-2	PLASTIC LAMINATE	WILSONART	COLOR: CRISP LINEN	GATE POCKET DOORS	CLASS A	MC	MC

FINISH	TAG	MATERIAL	MANUFACTURER	PATTERN & COLOR	REMARKS	FIRE RATING	SUPPLIED BY	INSTALLED BY
	UPH-1	UPHOLSTERY	MOMENTUM SINA PEARSON	STYLE: ALLOVER 372, COLOR: GRASS 75	BANQUETTE BACKS	CLASS A	MC	MC
	UPH-2	VINYL UPHOLSTERY	CF STINSON	STYLE: AMPLIFY, COLOR: PARAKEET 27	BANQUETTE SEAT	CLASS A	MC	MC
	SS-1	SOLID SURFACE	FORMICA	EVERFORM SOLID SURFACE, COLOR: LUNA SAND 757, 1/2" THK.	WAITSTATION, TAKE-AWAY, EAT AT BAR COUNTERTOPS	CLASS A	MC	MC
	QZ-1	QUARTZ	CAMBRIA	COLOR: INVERNESS BRISTOL BAY, FINISH: POLISHED, 3 cm THK.	BAR COUNTERTOP	CLASS A	GC	GC
	QT-1	QUARRY TILE	ANY	COLOR: GREY, 0.5" THK.	KITCHEN AND BEHIND BAR. SEE FLOORING PLAN. G.C. TO PROVIDE WATERPROOFING MEMBRANE.	CLASS A	GC	GC
	B-1	WALL BASE	CROSSVILLE	COLOR: BLISSFUL OAK, 6"H. X 18"W. SINGLE BULLNOSE, AV353.10618BNS	BASE AT LVP-1	N/A	GC	GC
	QB-1	QUARRY WALL BASE	ANY	COLOR: GREY, BULLNOSE	BASE AT QT-1	N/A	GC	GC
	FRP-1	FRP	ANY	COLOR: WHITE	KITCHEN WALLS	CLASS A	GC	GC
	FRP-2	FRP	ANY	COLOR: BLACK	INTERIOR BAR WALLS (EMPLOYEE SIDE)	CLASS A	GC	GC

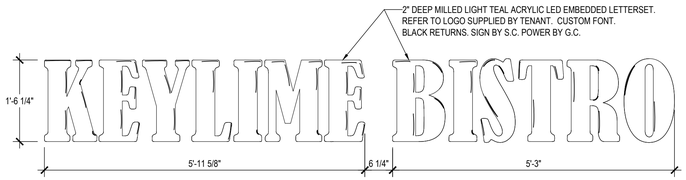
REFERENCE NOTES

1: REFER TO MATERIALS & FINISHES SCHEDULES FOR FINISH FLOOR MATERIAL SPECIFICATIONS. ALL FLOOR TRANSITIONS TO BE FLUSH AND LEVEL.
2: MATERIALS AND PRODUCTS SPECIFIED FOR USE IN THIS TENANT LEASE SPACE SHALL NOT CONTAIN ASBESTOS, POLYCHLORINATED BIPHENYLS (PCB) OR OTHER HAZARDOUS MATERIALS.
3: SUBMIT ALL FINISHES TO TENANT FOR FINAL APPROVAL. NO SUBSTITUTIONS WILL BE ACCEPTED. IF THERE IS A FINISH DISCONTINUED, CONTACT NDS IMMEDIATELY.

SIGN SCHEDULE

REFER TO SIGN DRAWINGS FOR ADDITIONAL INFORMATION.

	TAG	QTY	DESCRIPTION	REMARKS
	S1	1	EMBEDDED LED INDIVIDUAL LETTER SET	STOREFRONT SIGN. SEE A/A-6
	S2	1	2 SIDED UNLIT BLADE SIGN	STOREFRONT BLADE SIGN AT RESTAURANT, SEE B/A-6
	S3	1	2 SIDED UNLIT BLADE SIGN	STOREFRONT BLADE SIGN AT TAKE AWAY, SEE C/A-6
	S4	1	VINYL GRAPHIC	CONTINUOUS AND SEAMLESS VINYL GRAPHIC. SEE 3/A-4.1 AND 5/A-4.1 iSTOCK IMAGE 1157328042
	SG-1	1	INTERIOR GRAPHIC	CUSTOM GRAPHIC. S.C. TO COORDINATE ARTWORK WITH NDS
	SG-2	1	INTERIOR GRAPHIC	CUSTOM GRAPHIC. S.C. TO COORDINATE ARTWORK WITH NDS
	SG-3	1	INTERIOR GRAPHIC	CUSTOM GRAPHIC. S.C. TO COORDINATE ARTWORK WITH NDS
	SG-4	SEE ELEVS.	INTERIOR GRAPHIC	CUSTOM GRAPHIC. S.C. TO COORDINATE ARTWORK WITH NDS
	SG-5	1	INTERIOR GRAPHIC	CUSTOM GRAPHIC. S.C. TO COORDINATE ARTWORK WITH NDS



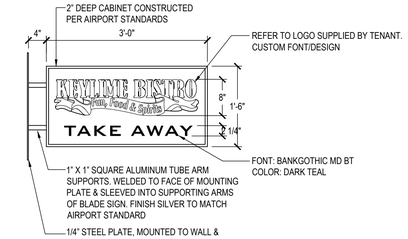
STOREFRONT SIGN- S1 | 3/4" = 1'-0" | A

LEGEND

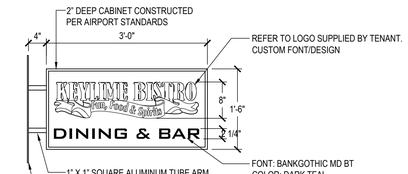
- KEYNOTE INDICATOR
- SIGN/ GRAPHICS INDICATOR
- XX-X FINISH INDICATOR
- # / A-# ELEVATION INDICATOR
- X / A-X SECTION/ DETAIL INDICATOR

SITE SPECIFIC KEYED NOTES

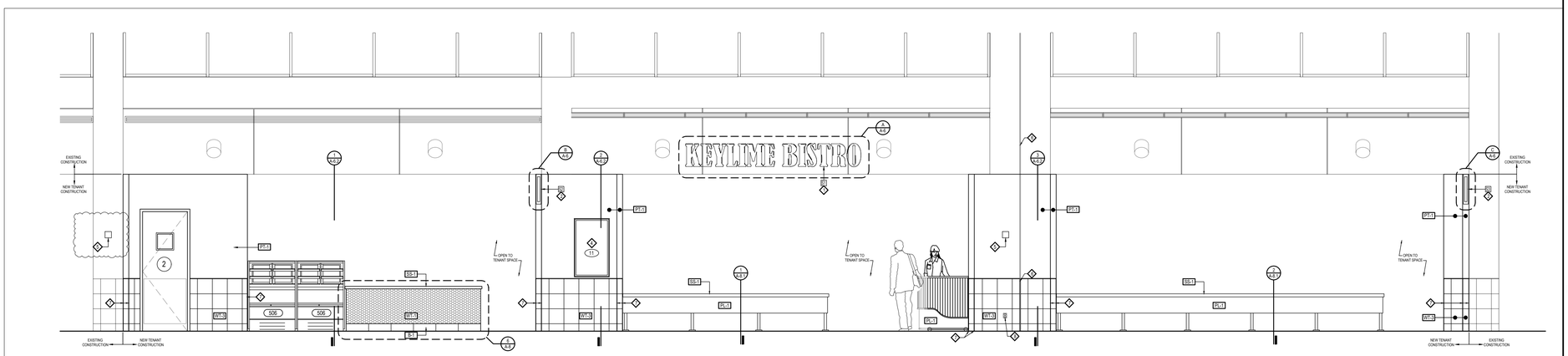
1. ILLUMINATED STOREFRONT SIGN, REFER TO DETAIL A/A-6.
2. NON-ILLUMINATED BLADE SIGN, REFER TO DETAIL B/A-6.
3. STOREFRONT WALLS TO BE FINISHED WITH AIRPORT STANDARD FINISHES. G.C. TO COORDINATE WITH AIRPORT SPECIFICATIONS AND DETAILS.
4. NEW MENU DISPLAY MONITOR. OWNER TO PROVIDE PROGRAMMING.
5. AIRPORT FIRE STROBE TO REMAIN. PROTECT DURING CONSTRUCTION.
6. EXISTING EXPANSION JOINT TO REMAIN FOR REUSE WITH NEW FINISHES.
7. G.C. TO INSTALL STAINLESS STEEL SCHLUTER INDEC RECESSED GROOVE, OR EQUAL, ON ALL TILE CORNERS
8. ALL EXISTING ELECTRICAL DEVICES TO BE REINSTALLED INTO NEW WALLS



BLADE SIGN- S2 | 3/4" = 1'-0" | B



BLADE SIGN- S3 | 3/4" = 1'-0" | C



STOREFRONT ELEVATION | 1/4" = 1'-0" | 1

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

NDS norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

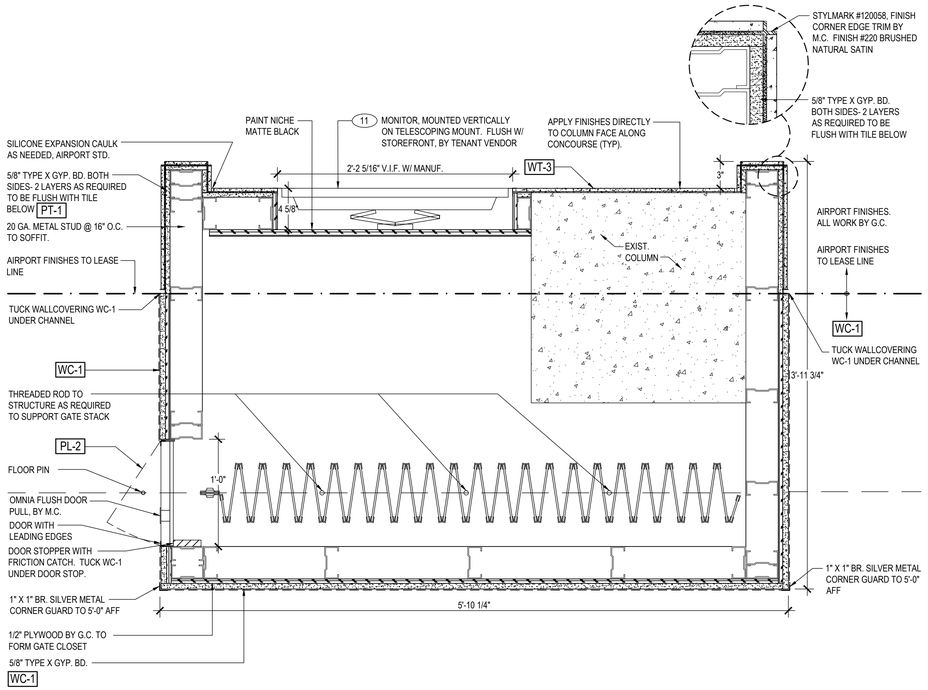
REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

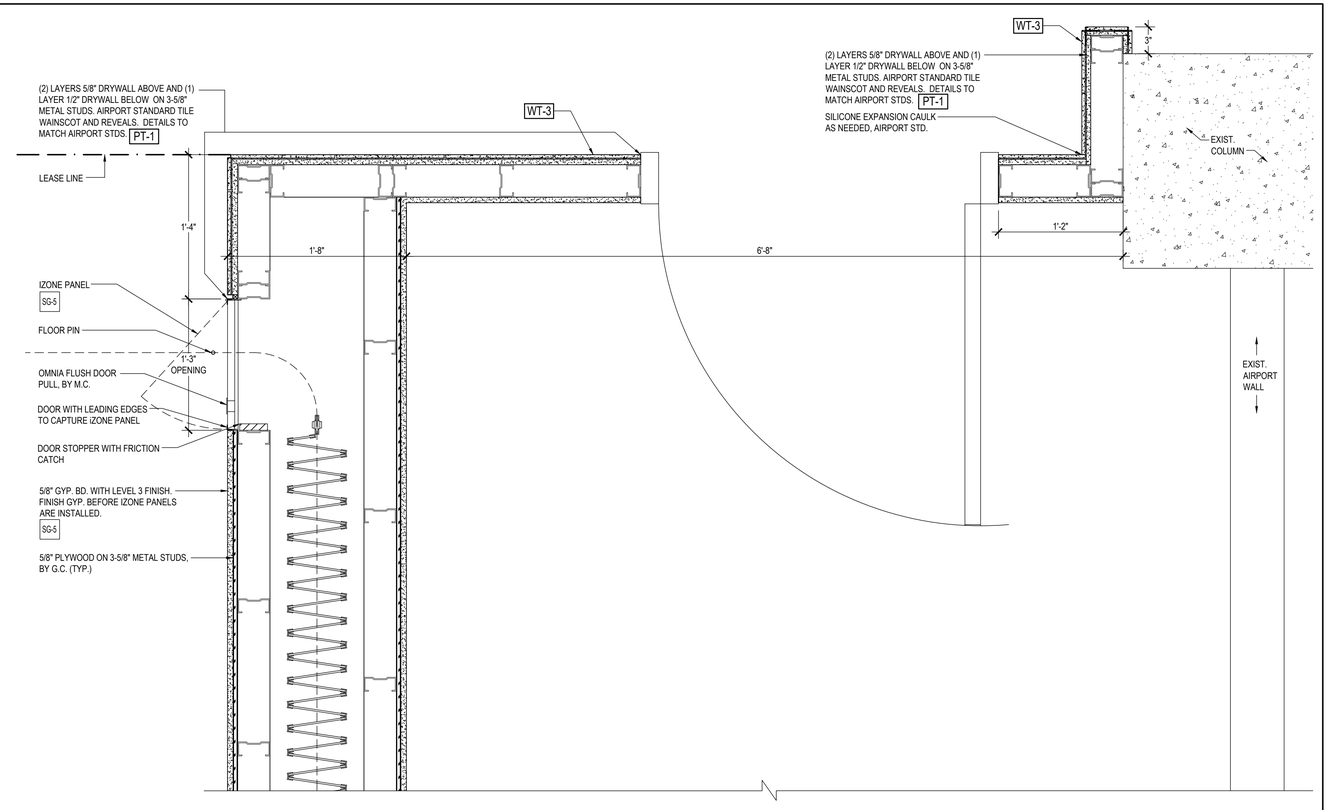
STOREFRONT ELEVATION

SHEET NUMBER

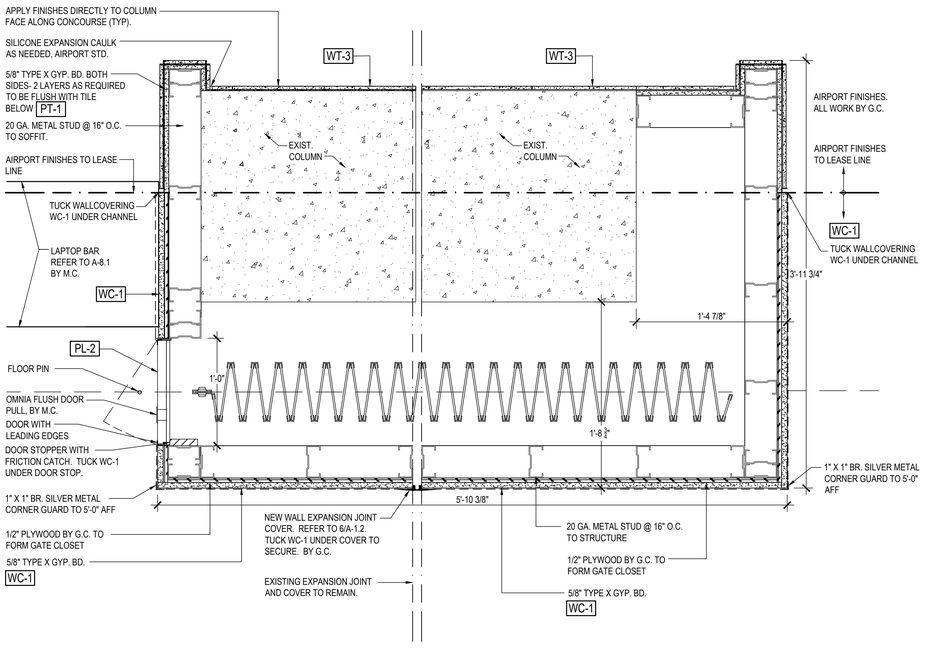
A-6



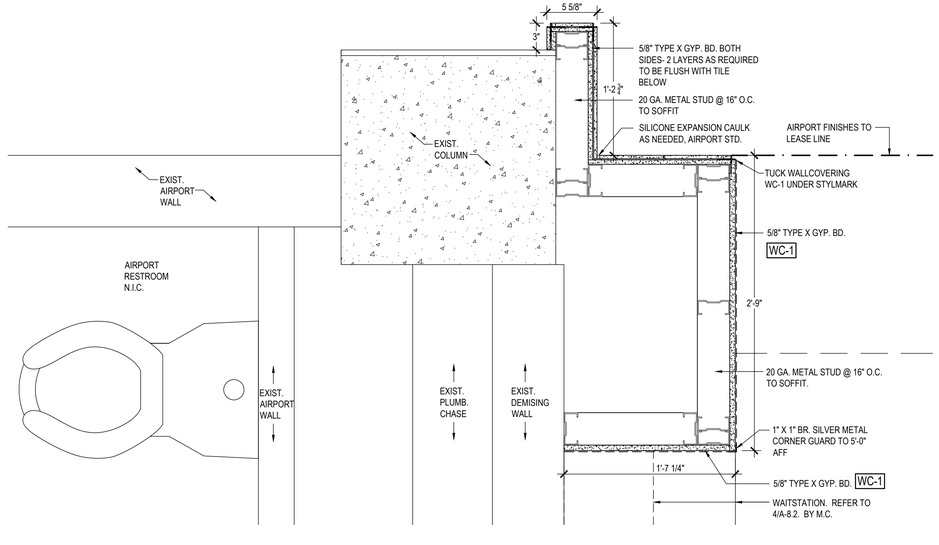
STOREFRONT PLAN SECTION | 1-1/2" = 1'-0" | 2



STOREFRONT PLAN SECTION | 1-1/2" = 1'-0" | 1



STOREFRONT PLAN SECTION | 1-1/2" = 1'-0" | 3



STOREFRONT PLAN SECTION | 1-1/2" = 1'-0" | 4

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

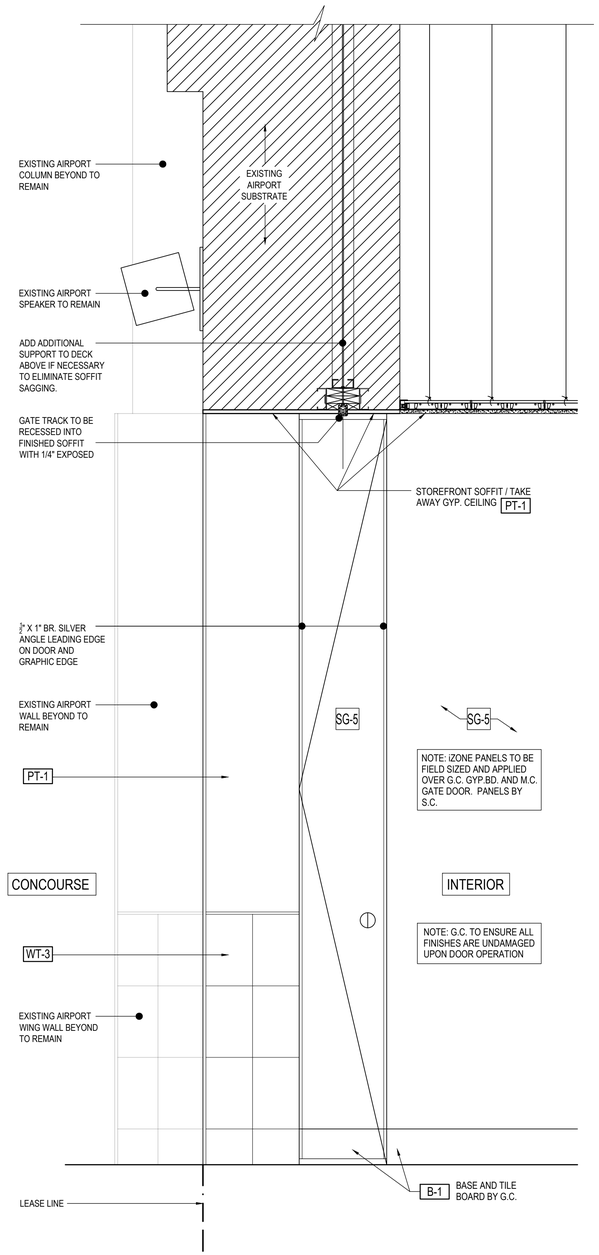
REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

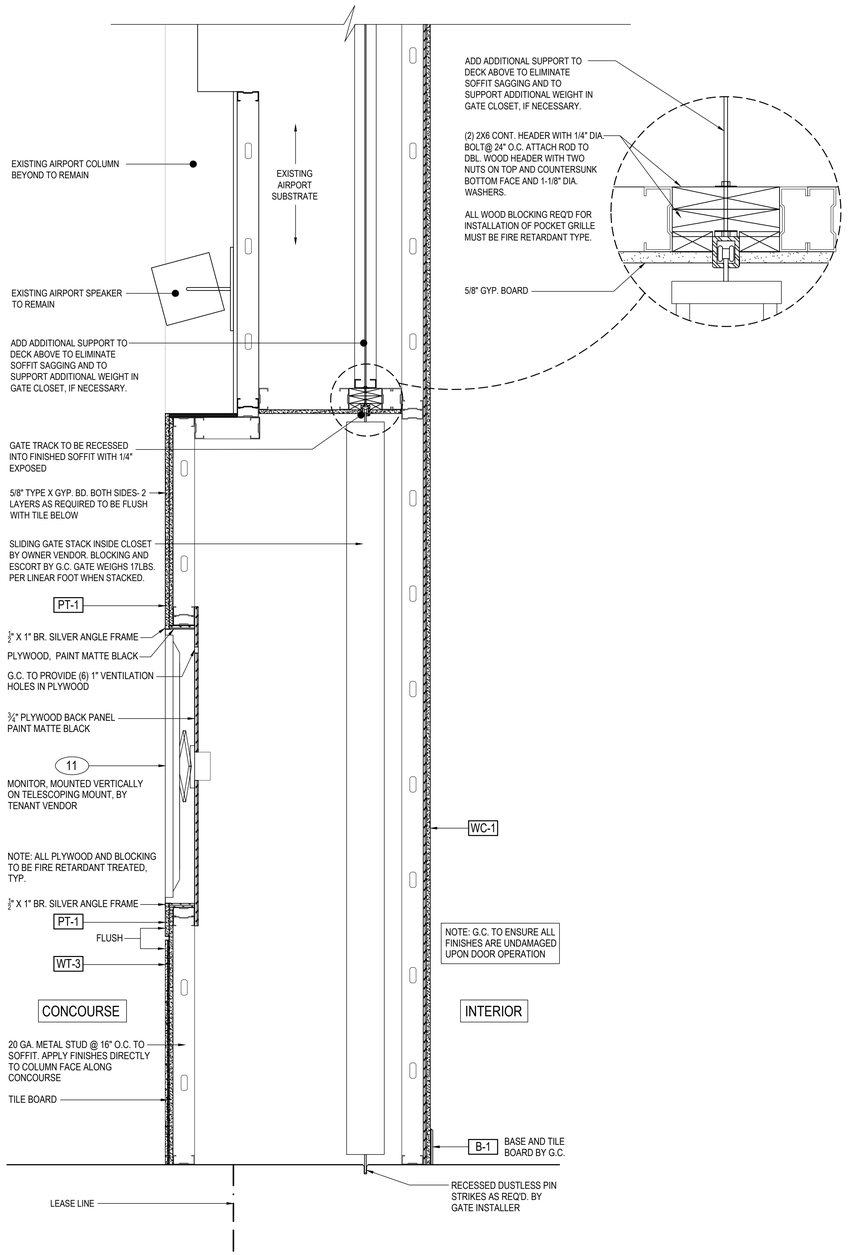
STOREFRONT PLAN SECTIONS

SHEET NUMBER

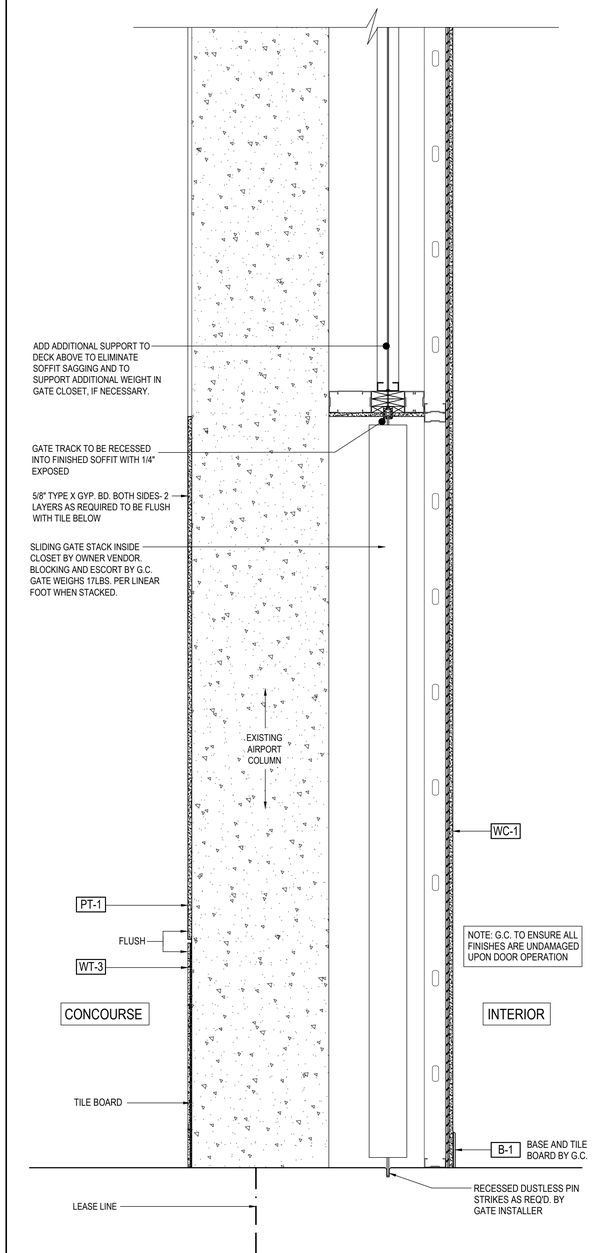
A-6.1



STOREFRONT SECTION | 1" = 1'-0" | 1



STOREFRONT SECTION | 1" = 1'-0" | 2



STOREFRONT SECTION | 1" = 1'-0" | 3

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

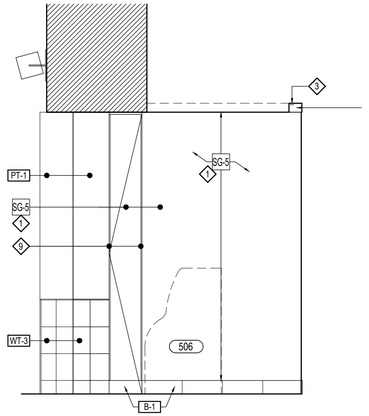
REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

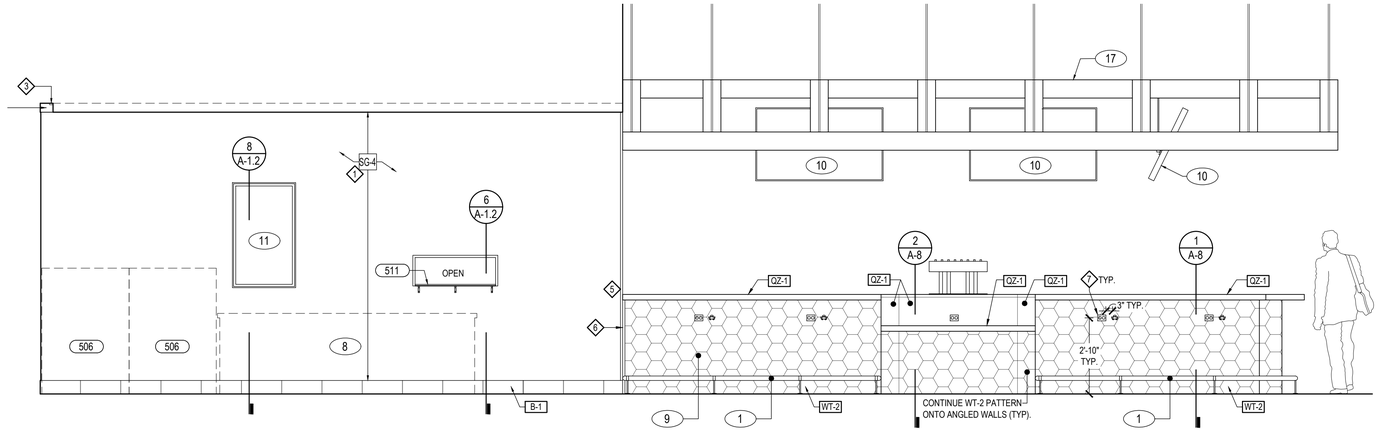
STOREFRONT SECTIONS

SHEET NUMBER

A-6.2



ELEVATION | 3/8" = 1' - 0" | 1



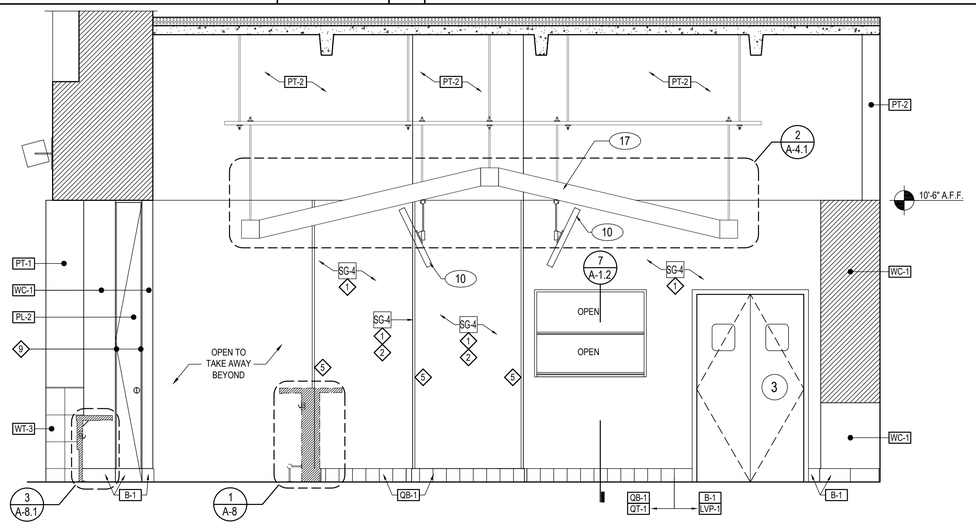
ELEVATION | 3/8" = 1' - 0" | 2

SITE SPECIFIC KEYED NOTES

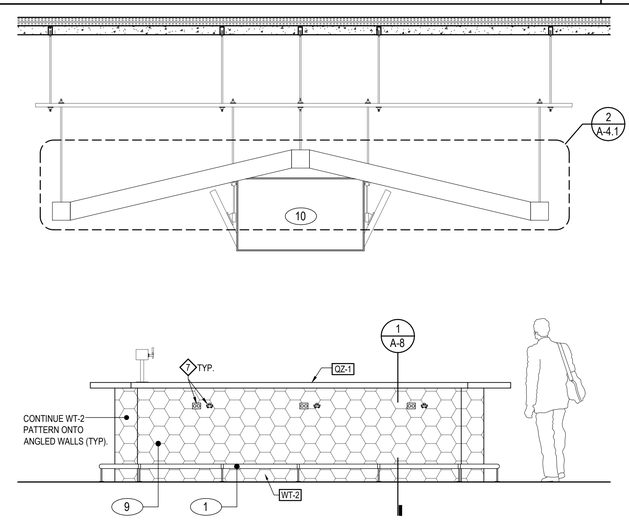
1. SUPER GRAPHICS BY S.C. WALL TO BE LEVEL 3 FINISH. REFER TO SIGN SCHEDULE A-6.
2. INSTALL CONTINUOUS GRAPHIC ON ALL SIDES OF CHASE.
3. LIGHT COVE. INSTALL STRIP NEAR REAR OF COVE TO BE HIDDEN FROM VIEW. REFER TO RCP A-4. LIGHT FIXTURE 'L'. PAINT COVE INTERIOR FLAT WHITE.
4. PROVIDE 1/2" X 1" BR. SILVER METAL CORNER GUARD TO PROTECT WALLCOVERING ALONG ENTIRE HORIZONTAL EDGE. WC-1 TO TUCK INSIDE CORNER GUARD. BY G.C. STYLMARK FINISH 220
5. 1" X 1" BR. SILVER METAL CORNER GUARD TO PROTECT GRAPHIC AT EDGES. FROM TOP OF BASE TO TOP OF GRAPHIC. BY G.C.
6. 1" X 1" BR. SILVER METAL CORNER GUARD TO PROTECT TILE AT CORNER. FROM FLOOR TO COUNTERTOP. BY G.C. STYLMARK FINISH 220
7. POWER & USB OUTLET, MOUNTED HORIZONTALLY, AND PURSE HOOK. REFER TO 1/A-8. BY G.C.
8. NEW EXPANSION JOINT COVER. SEE 6/A-1.2. RUN WC-1 OVER COVER TO STOP INCORPORATED INTO JOINT.
9. 1/2" EXPOSED X 1" BR. SILVER METAL LEADING EDGE ON EITHER SIDE OF GATE POCKET DOORS, FULL HEIGHT. BY G.C. STYLMARK FINISH 220

LEGEND

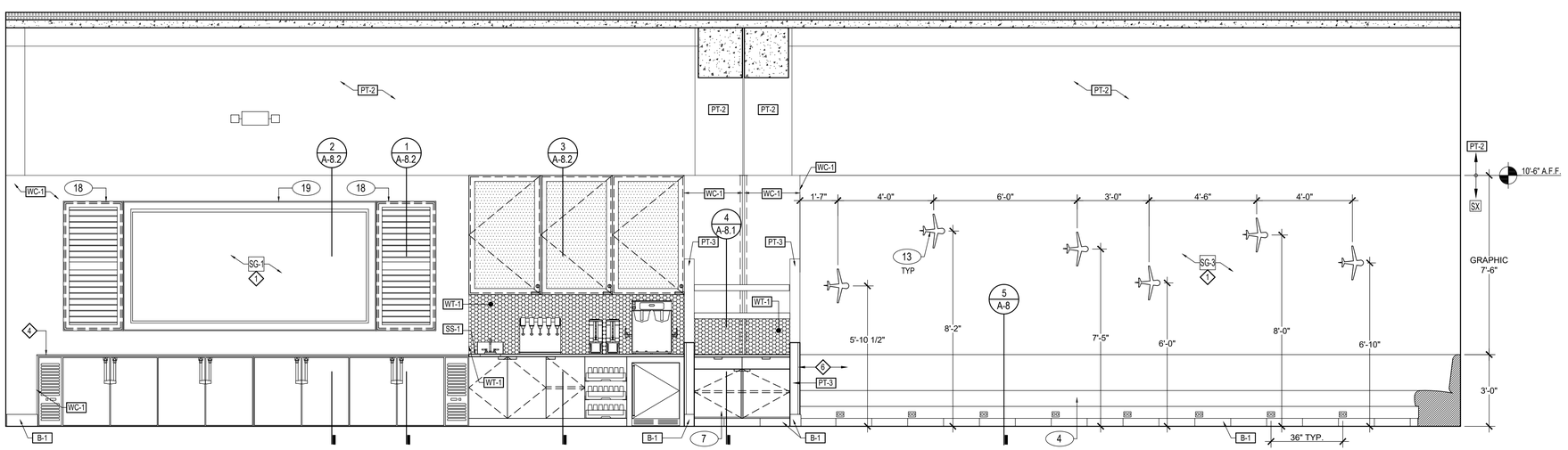
- KEYNOTE INDICATOR
- SIGN/ GRAPHICS INDICATOR, REFER TO SIGN SCH. A-6
- COMPONENT INDICATOR, REFER TO SCHEDULE A-6
- FOOD SERVICE EQUIPMENT INDICATOR, REFER TO FS DWGS. AND SCHEDULE ON A-2
- XX-X FINISH INDICATOR, REFER TO SCHEDULE A-6
- # / A-# ELEVATION INDICATOR
- X / A-X SECTION/ DETAIL INDICATOR



ELEVATION | 3/8" = 1' - 0" | 3



ELEVATION | 3/8" = 1' - 0" | 4



ELEVATION | 3/8" = 1' - 0" | 5

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

SEAL

KEYLIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

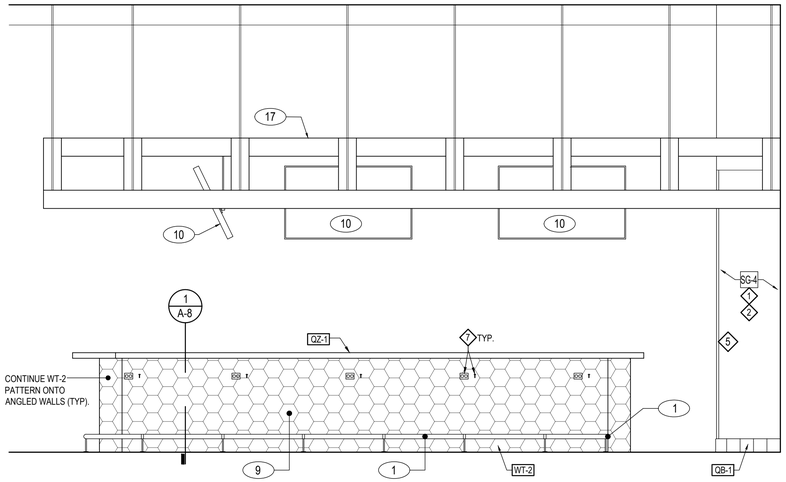
REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

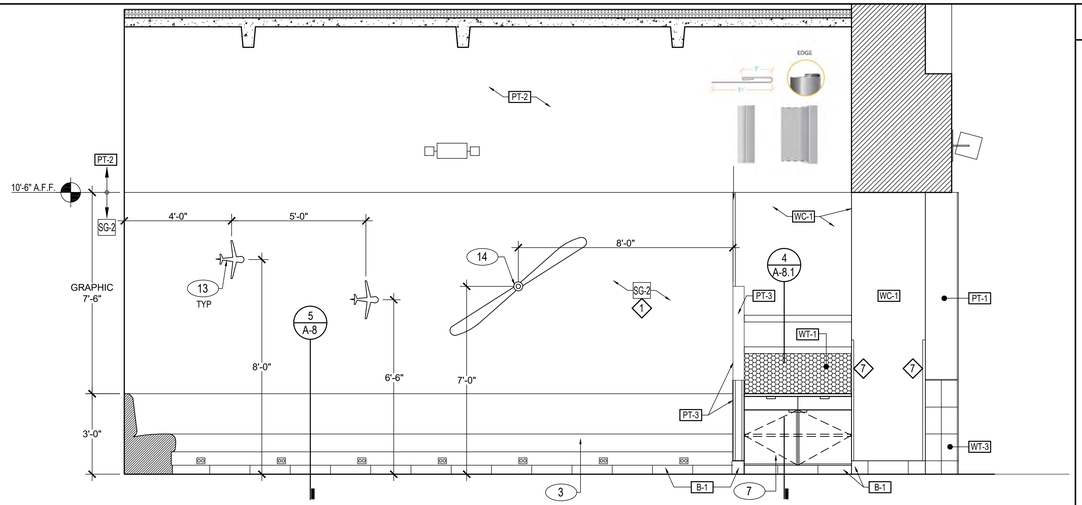
INTERIOR ELEVATIONS

SHEET NUMBER

A-7



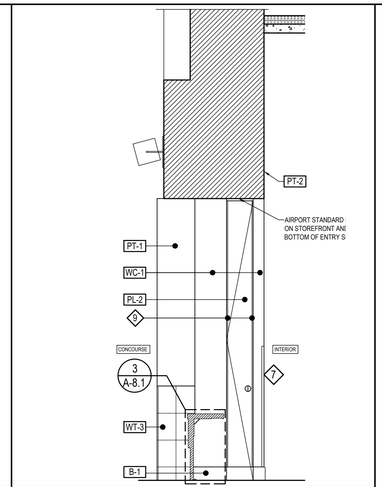
ELEVATION | 3/8" = 1' - 0" | 1



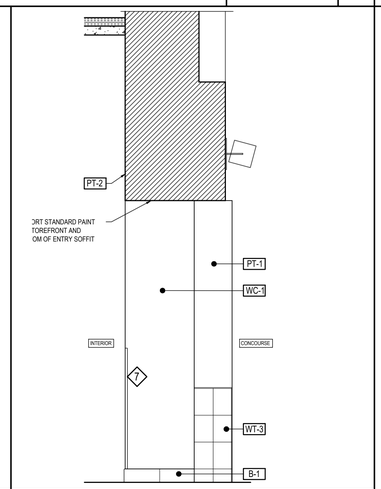
ELEVATION | 3/8" = 1' - 0" | 2

SITE SPECIFIC KEYED NOTES

1. SUPER GRAPHICS BY S.C. WALL TO BE LEVEL 3 FINISH. REFER TO SIGN SCHEDULE A-6.
2. INSTALL CONTINUOUS GRAPHIC ON ALL SIDES OF CHASE.
3. LIGHT COVE. INSTALL STRIP NEAR REAR OF COVE TO BE HIDDEN FROM VIEW. REFER TO RCP A-4. LIGHT FIXTURE 'L'.
4. PROVIDE 1/2" X 1" BR. SILVER METAL CORNER GUARD TO PROTECT WALLCOVERING ALONG ENTIRE HORIZONTAL EDGE. WC-1 TO TUCK INSIDE CORNER GUARD. BY G.C.
5. 1" X 1" BR. SILVER METAL CORNER GUARD TO PROTECT GRAPHIC AT EDGES. FROM TOP OF BASE TO TOP OF GRAPHIC. BY G.C.
6. 1" X 1" BR. SILVER METAL CORNER GUARD TO PROTECT TILE AT CORNER. FROM FLOOR TO COUNTERTOP. BY G.C.
7. POWER & USB OUTLET, MOUNTED HORIZONTALLY, AND PURSE HOOK. REFER TO 1/A-8. BY G.C.
8. NEW EXPANSION JOINT COVER. SEE 6/A-1.2. RUN TILE OVER JOINT TO INCORPORATED STOP.
9. 1/2" X 1" BR. SILVER METAL LEADING EDGE ON EITHER SIDE OF GATE POCKET DOORS, FULL HEIGHT. BY G.C.
10. 1/2" X 1" BR. SILVER METAL LEADING EDGE ON EITHER SIDE OF GATE POCKET DOORS, FULL HEIGHT. BY G.C.



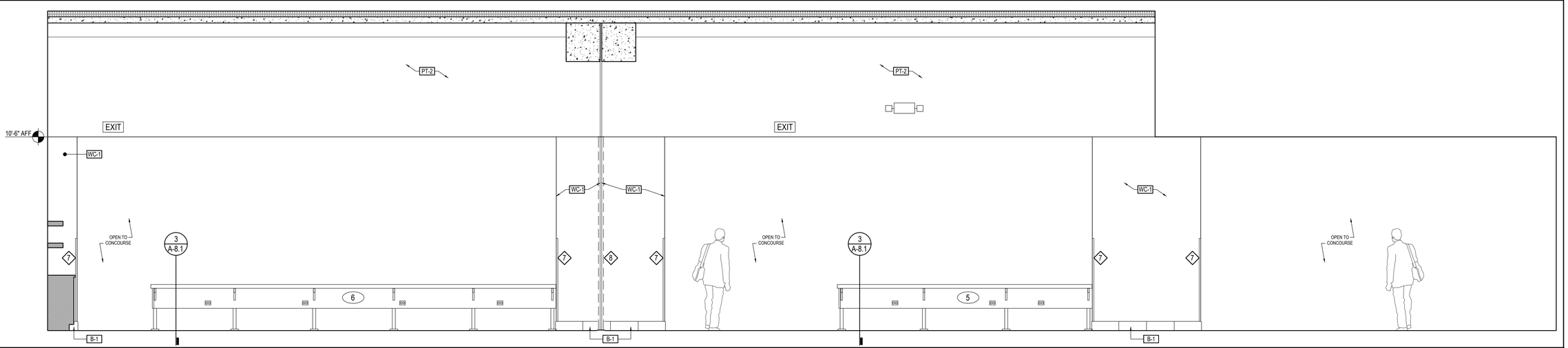
ELEVATION | 3/8" = 1' - 0" | 3



ELEVATION | 3/8" = 1' - 0" | 4

LEGEND

- KEYNOTE INDICATOR
- SIGN/ GRAPHICS INDICATOR, REFER TO SIGN SCH. A-6
- COMPONENT INDICATOR, REFER TO SCHEDULE A-6
- FOOD SERVICE EQUIPMENT INDICATOR, REFER TO FS DWGS. AND SCHEDULE ON A-2
- XX-X FINISH INDICATOR, REFER TO SCHEDULE A-6
- # / A-# ELEVATION INDICATOR
- X / A-X SECTION/ DETAIL INDICATOR



ELEVATION | 3/8" = 1' - 0" | 5

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEYLIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

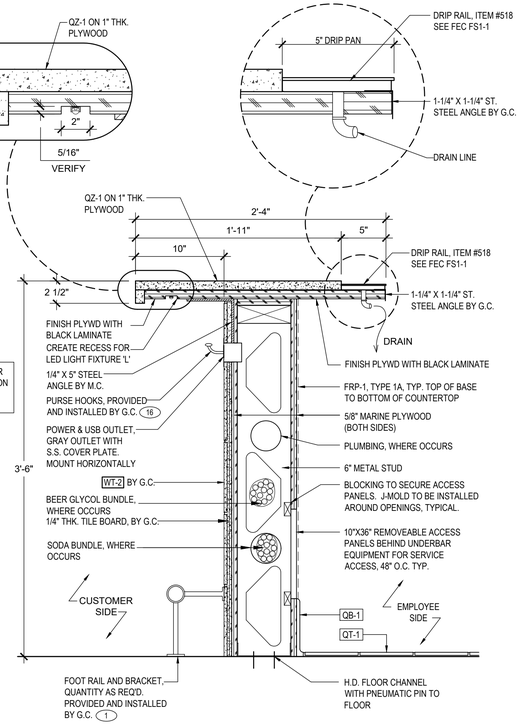
REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

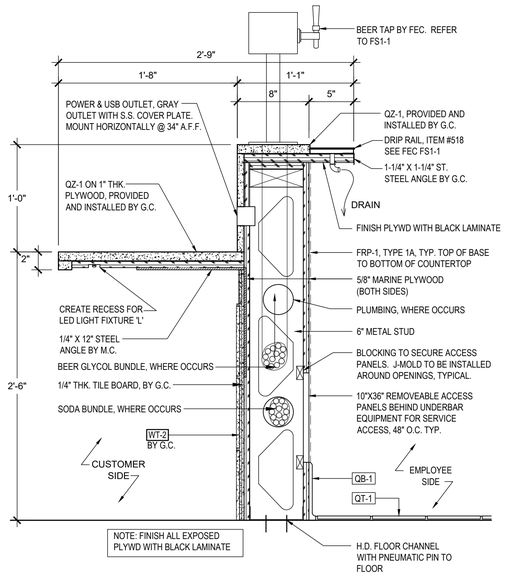
INTERIOR ELEVATIONS

SHEET NUMBER

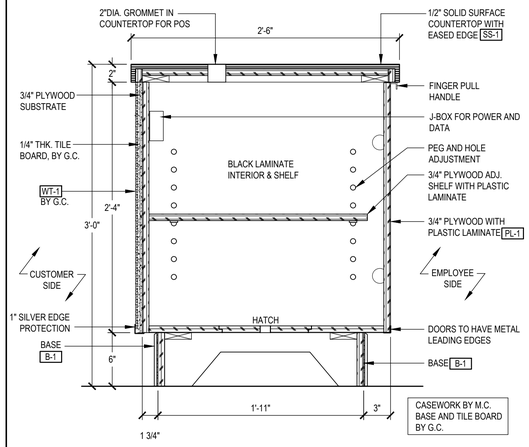
A-7.1



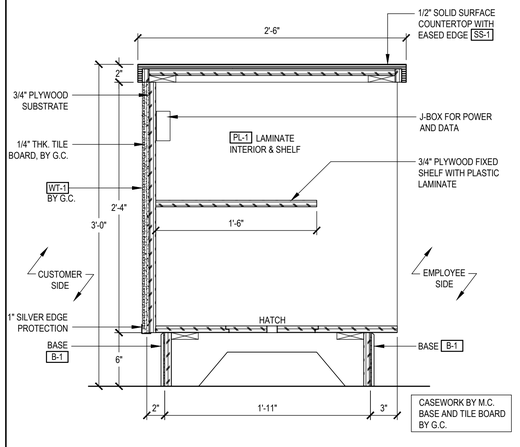
SECTION @ BAR | 1-1/2" = 1'-0" | 1



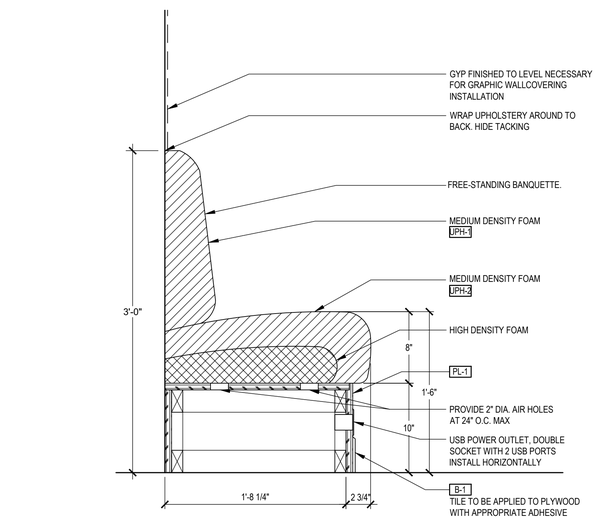
SECTION @ ADA BAR | 1-1/2" = 1'-0" | 2



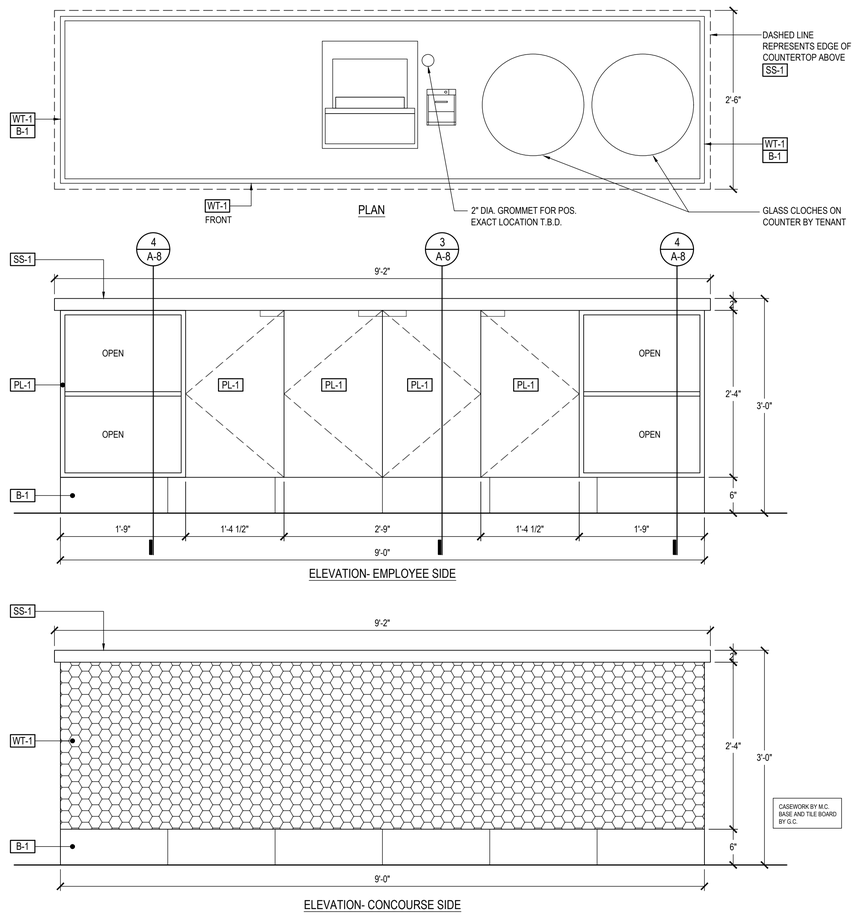
SECTION AT TAKE AWAY CABINET | 1-1/2" = 1'-0" | 3



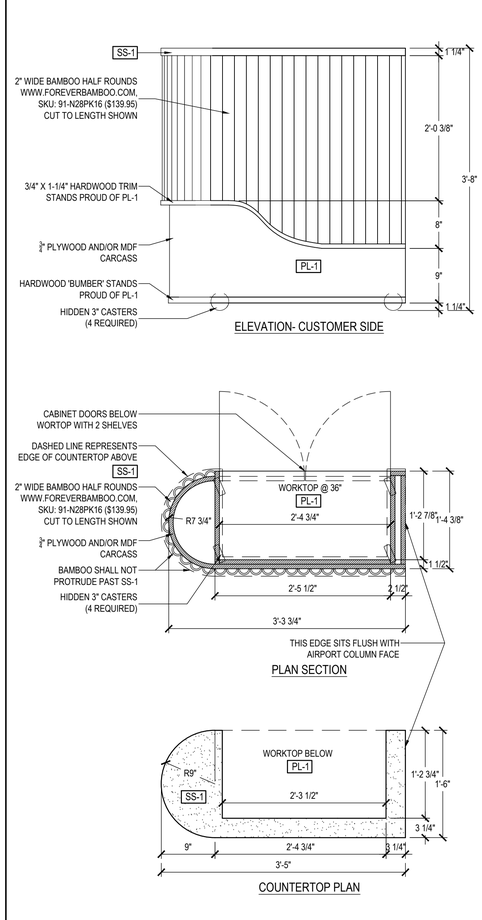
SECTION AT TAKE AWAY CUBBY | 1-1/2" = 1'-0" | 4



SECTION @ BANQUETTE | 1-1/2" = 1'-0" | 5



TAKE AWAY COUNTER | 1" = 1'-0" | 6



HOST STAND | 1" = 1'-0" | 7

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

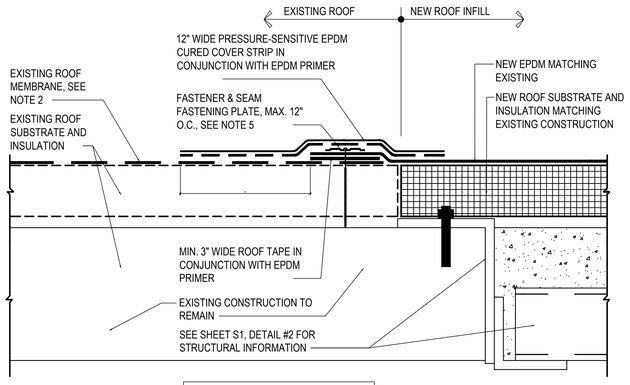
KEYLIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

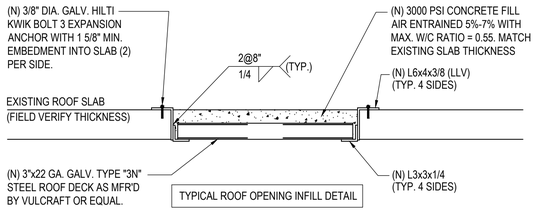
1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

SECTIONS & DETAILS

SHEET NUMBER
A-8



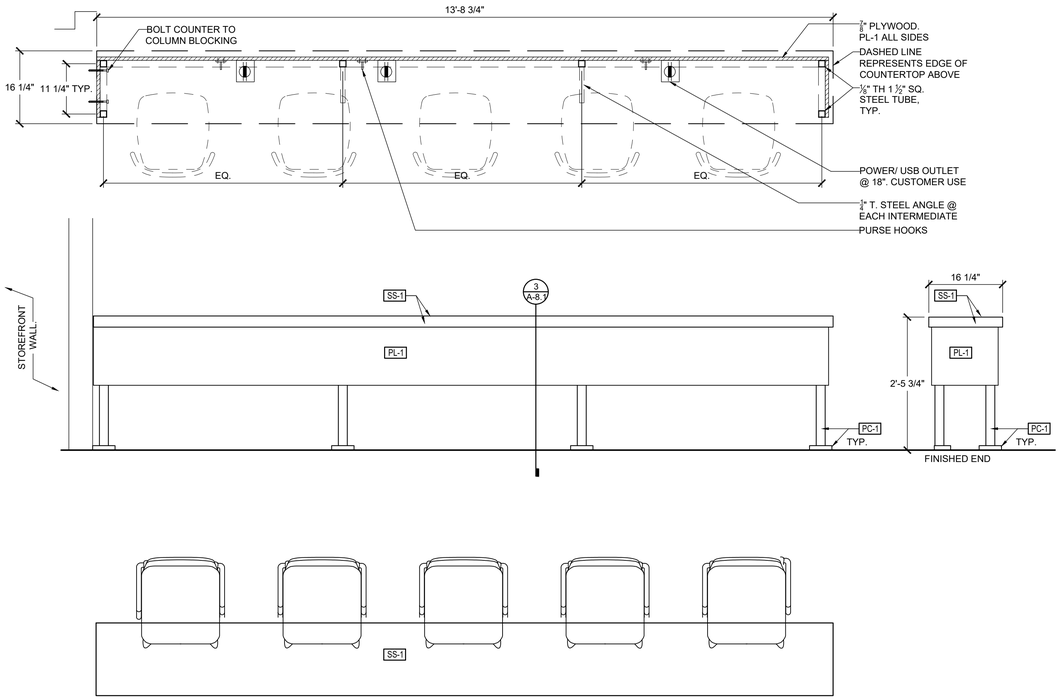
TYPICAL ROOFING REPAIR DETAIL



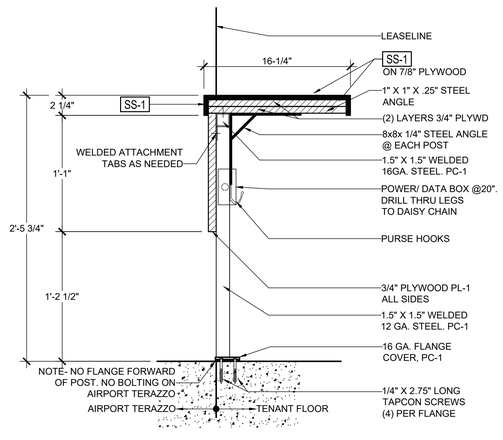
TYPICAL ROOF OPENING INFILL DETAIL

NOTE: EXISTING ROOF IS LIGHTWEIGHT CONCRETE WITH AN INSULATION LAYER AND MEMBRANE WATERPROOFING. DETAILS SHOWN HERE ARE TYPICAL. G.C. TO FOLLOW AIRPORT ENGINEERING DIRECTION TO PENETRATE AND/OR REPAIR ROOF

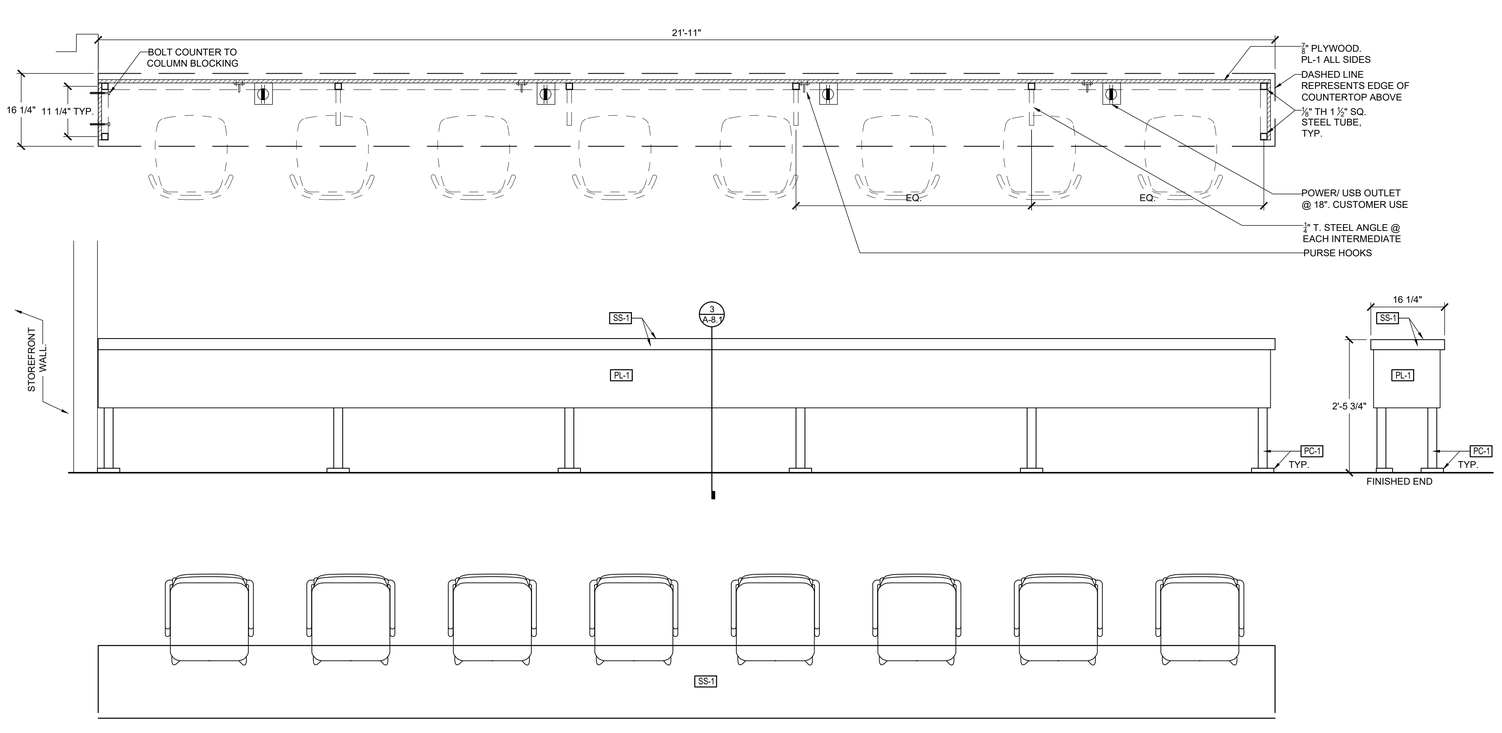
TYPICAL ROOF PENETRATION AND REPAIR DETAILS | NTS | 4



PLAN/ ELEVATION/ PLAN SECTION AT SHORT LAPTOP BAR | 3/4" = 1'-0" | 1



SECTION AT POWER BAR | 1 ½" = 1'-0" | 3



PLAN/ ELEVATION/ PLAN SECTION AT LONG LAPTOP BAR | 3/4" = 1'-0" | 2

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

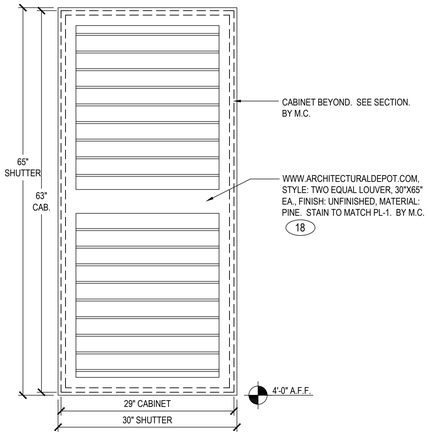
KEYLIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

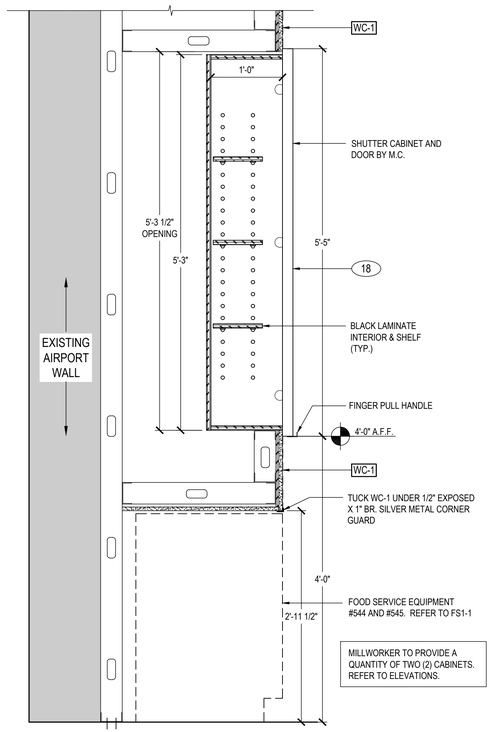
1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

SECTIONS & DETAILS

SHEET NUMBER
A-8.1

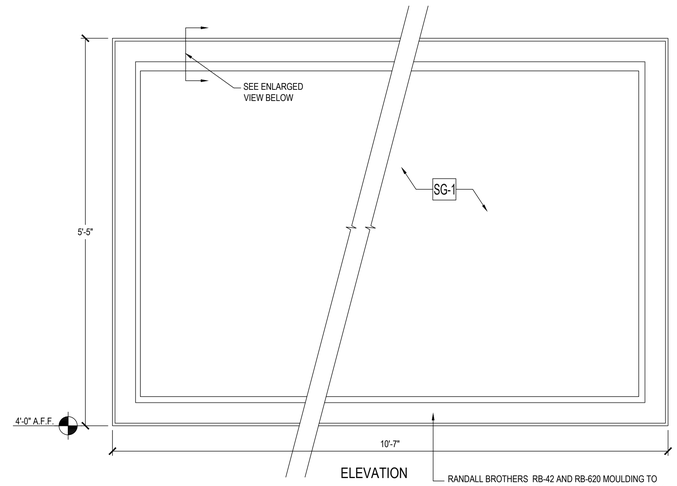


ELEVATION



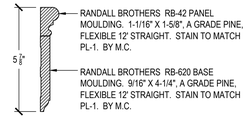
SECTION

ELEVATION AND SECTION AT SHUTTER CABINET | 1" = 1'-0" | 1

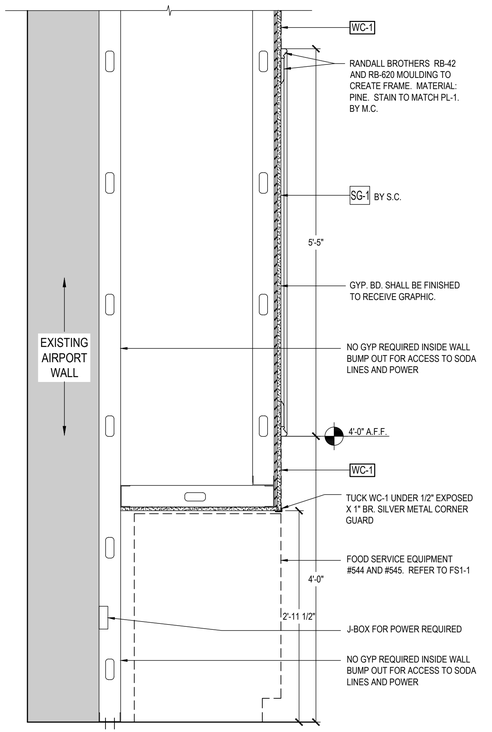


ELEVATION

RANDALL BROTHERS RB-42 AND RB-620 MOULDING TO CREATE FRAME. MATERIAL: PINE. STAIN TO MATCH PL-1. BY M.C.

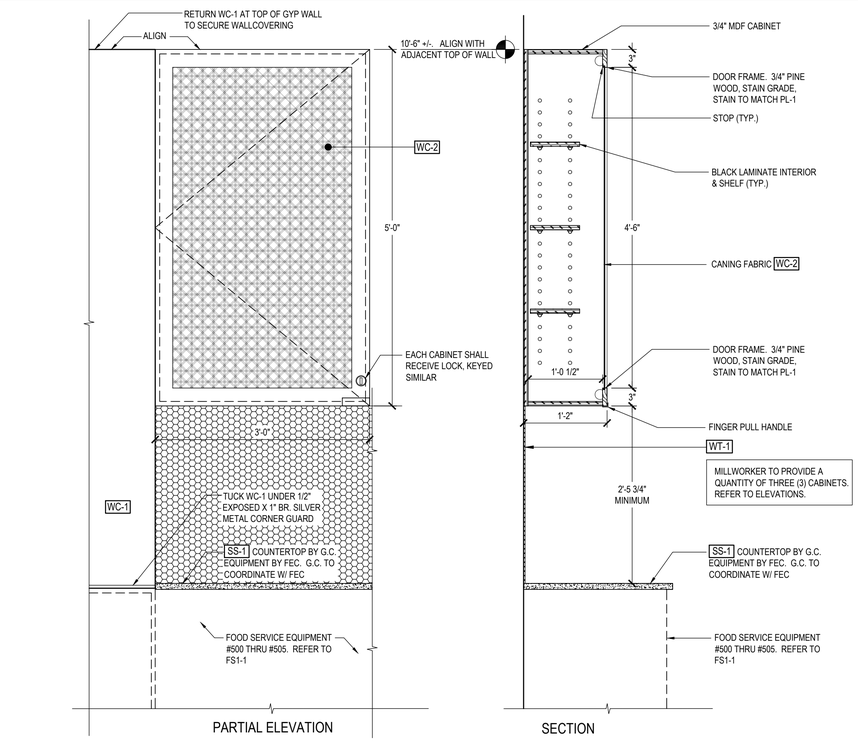


ENLARGED VIEW



SECTION

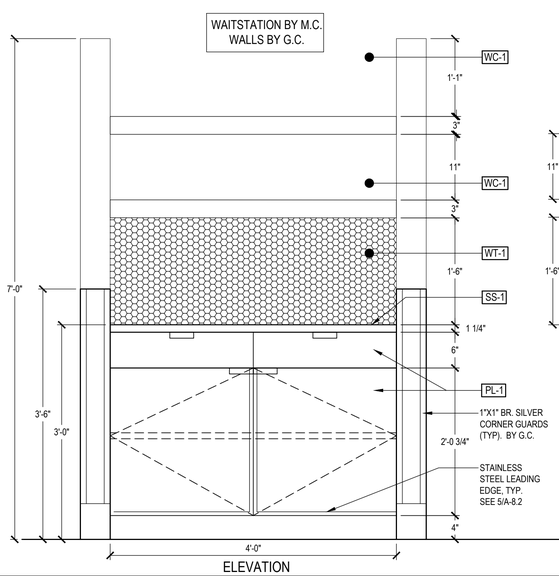
ELEVATION AND SECTION AT GRAPHIC FRAME | 1" = 1'-0" | 2



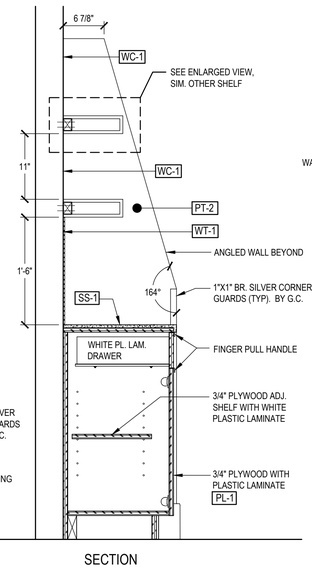
PARTIAL ELEVATION

SECTION

ELEVATION AND SECTION AT BEVERAGE CABINET | 1" = 1'-0" | 3

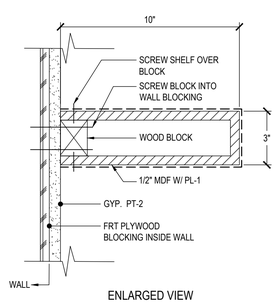


ELEVATION

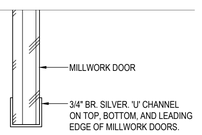


SECTION

WAITSTATION DETAILS | 1" = 1'-0" | 4



ENLARGED VIEW



LEADING EDGE DETAIL | N.T.S. | 5

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

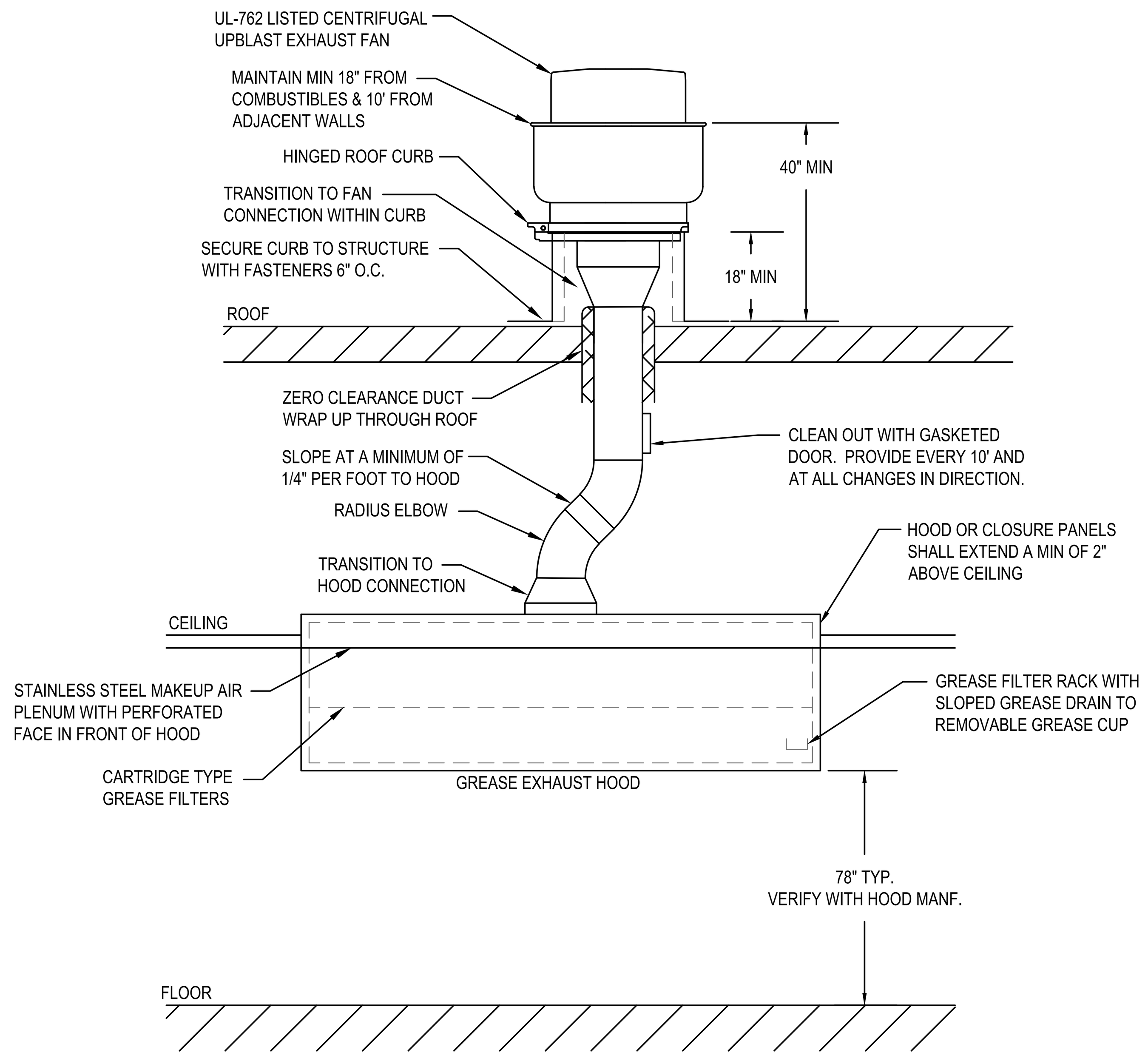
KEYLIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

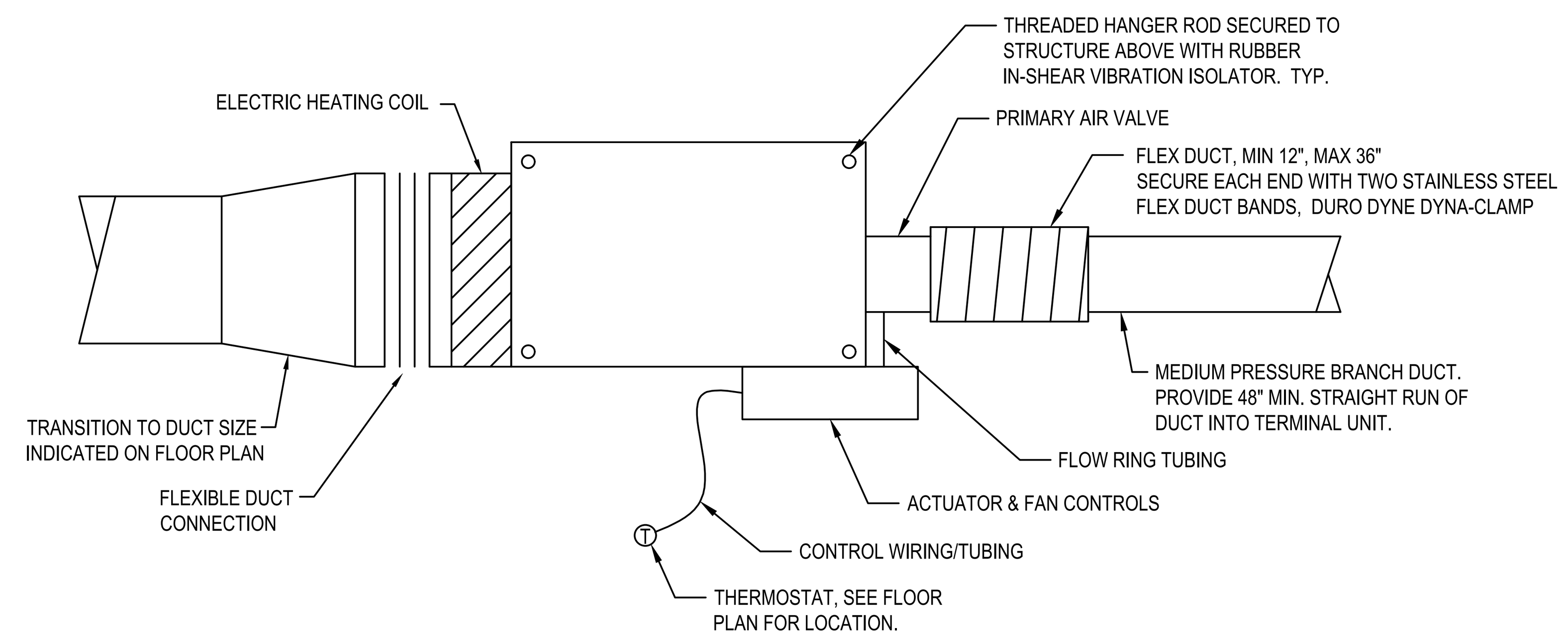
SECTIONS & DETAILS

SHEET NUMBER
A-8.2

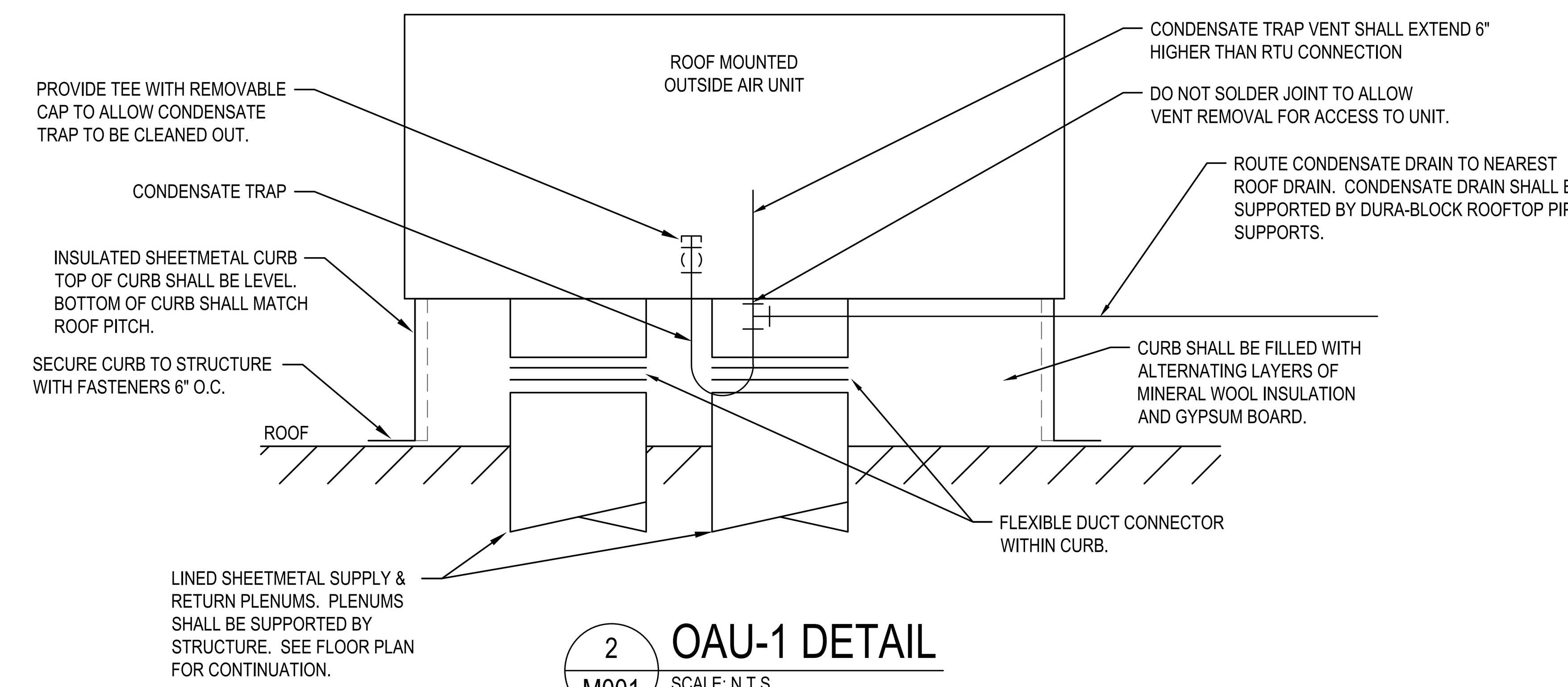


NOTES:
1. KITCHEN HOOD SHALL BE UL LISTED, COMPLY WITH NFPA 96 AND ALL LOCAL CODES.
2. HOOD SYSTEM SHALL INCLUDE FACTORY INSTALLED, UL LISTED FIRE SUPPRESSION SYSTEM.
3. HOOD & FIRE SUPPRESSION SYSTEM SHALL BE PROVIDED BY OTHERS FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, CODE COMPLIANT INSTALLATION AND ALL INSPECTIONS.
4. CONTRACTOR SHALL STARTUP ,TEST & BALANCE HOOD SYSTEMS INCLUDING EXHAUST AND MAKEUP AIR SYSTEMS.
5. CONTRACTOR SHALL TRAIN OWNER ON OPERATION & MAINTENANCE REQUIREMENTS OF HOOD SYSTEM INCLUDING, EXHAUST FAN, MAKEUP AIR FAN, FIRE SUPPRESSION & GREASE DUCT CLEANING.
6. SEE KITCHEN EQUIPMENT PLANS & CUT SHEETS FOR SPECIFICATION & ADDITIONAL DETAILS OF KITCHEN HOOD AND FIRE SUPPRESSION SYSTEM.
7. GREASE DUCT SHALL BE FABRICATED WITH 16 GAGE BLACK STEEL WITH LIQUID TIGHT, WELDED JOINTS AND SEAMS.
8. ALL GREASE DUCT SHALL SLOPE A MINIMUM OF 1/4" PER FOOT TOWARD THE HOOD.
9. ALL GREASE DUCT SHALL BE WRAPPED WITH A 2 HOUR RATED, ZERO CLEARANCE DUCT WRAP, 3M FIRE BARRIER DUCT WRAP 615+ OR APPROVED EQUAL.

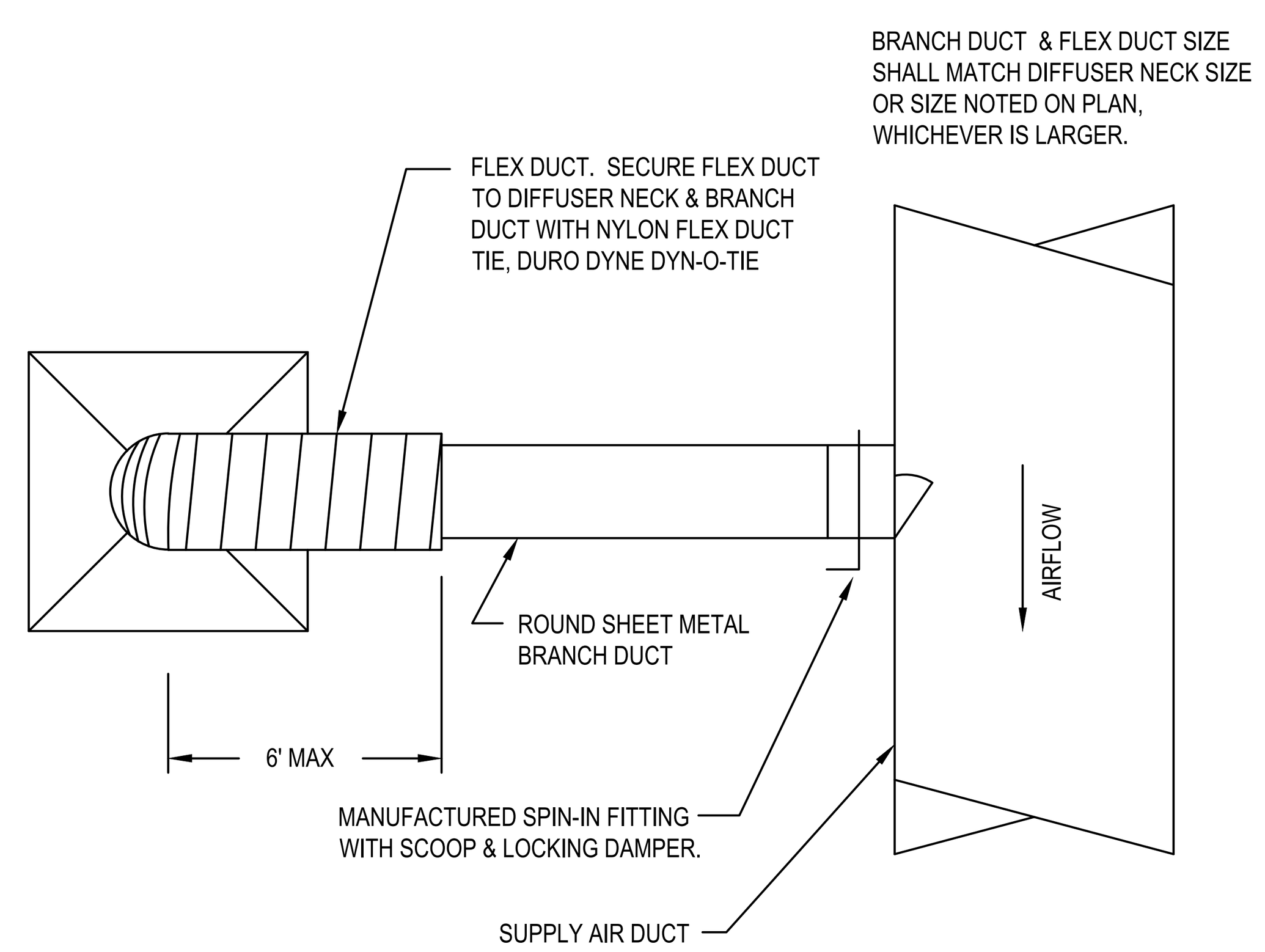
5 / M001 TYPICAL KITCHEN HOOD DETAIL
SCALE: N.T.S.



3 / M001 VAV-R DETAIL
SCALE: N.T.S.



2 / M001 OAU-1 DETAIL
SCALE: N.T.S.



1 / M001 DIFFUSER CONNECTION DETAIL
SCALE: N.T.S.

VAV SEQUENCE OF OPERATION:
1. THE CONTROLLER SHALL CONTINUE TO MONITOR ROOM TEMPERATURE AND RESET THE CFM SETPOINT UP OR DOWN IN RESPONSE TO COOLING/HEATING DEMAND.
2. ON A RISE IN ROOM TEMPERATURE, MODULATE THE AIR DAMPER TOWARDS ITS MAXIMUM CFM SETPOINT UNTIL COOLING SETPOINT HAS BEEN ACHIEVED.
3. WHEN THE ZONE TEMPERATURE IS BETWEEN THE COOLING SETPOINT AND THE HEATING SETPOINT, THE AIR DAMPER SHALL CONTROL TO ITS MINIMUM AIRFLOW AND HOT WATER REHEAT VALVE SHALL REMAIN CLOSED.
4. ON A CONTINUED FALL IN ROOM TEMPERATURE BELOW SETPOINT, THE AIR DAMPER SHALL CONTROL TO ITS HEATING AIR FLOW CFM AND THE HOT WATER REHEAT VALVE SHALL MODULATE OPEN UNTIL THE HEATING SETPOINT HAS BEEN ACHIEVED.

LEGEND

TAG	SYMBOL	DESCRIPTION
A/C		ABOVE CEILING
AHU		AIR HANDLER
BDD		BACKDRAFT DAMPER
B/F		BELOW FLOOR
CD	⊠	CEILING DIFFUSER
CWS&R		CONDENSER WATER SUPPLY & RETURN
CFM		CUBIC FOOT PER MIN.
DB		DRY BULB
	———	NEW DUCT WORK
EXIST.	— — —	EXISTING DUCT / PIPE
EAT		ENTERING AIR TEMPERATURE
EWT		ENTERING WATER TEMPERATURE
EF		EXHAUST FAN
ER	⊠	EXHAUST REGISTER
ESP		EXTERNAL STATIC PRESSURE
FD	—▼—	FIRE DAMPER
F/SD	—▼—	COMBINATION FIRE & SMOKE DAMPER
	—◆—	VERTICAL FIRE DAMPER
	—◆—	VERTICAL COMBINATION FIRE & SMOKE DAMPER
HP		HORSEPOWER
LAT		LEAVING AIR TEMPERATURE
LWT		LEAVING WATER TEMPERATURE
MD		MANUAL DAMPER
	M	MOTOR OPERATED DAMPER
OED		OPEN ENDED DUCT
OA		OUTSIDE AIR
RA		RETURN AIR
RAG	⧄	RETURN AIR GRILLE
SA		SUPPLY AIR
SR		SUPPLY REGISTER
	Ⓣ	THERMOSTAT
	⋈	BALL VALVE
WSHP		WATER SOURCE HEAT PUMP

KITCHEN HOOD

TAG	HOOD LENGTH (IN)	WIDTH(IN)	HEIGHT (IN)	EXHAUST VOLUME CFM	BASIS OF DESIGN
KH-1	84	54	24	1860	ECON-AIR 5424 EX-2-PSP-F
KH-2	87	54	24	1925	ECON-AIR 5424 EX-2-PSP-F

NOTES:
HOOD SCHEDULED FOR COORDINATION PURPOSES ONLY. HOOD PACKAGE PROVIDED BY OTHERS. REFER TO ECON-AIR KITCHEN HOOD & FAN DRAWINGS.

TERMINAL UNIT SCHEDULE

TAG	TYPE	VALVE SIZE (IN)	MIN. VALVE FLOW (CFM)	MAX. VALVE FLOW (CFM)	HEATING AIRFLOW (CFM)	ELECTRIC HEAT (KW)	VOLTS / PHASE (V/Ø)	NOTES
VAV-1	VAV-R	12	320	1,600	800	6	277/1	1
VAV-2	VAV-R	14	240	1,800	900	6	277/1	1
VAV-3	VAV-R	14	240	1,800	900	6	277/1	1

NOTES:
(1) TERMINAL UNIT SHALL BE RENUMBERED IN THE FIELD TO MATCH BUILDING

MAKEUP AIR UNIT SCHEDULE

TAG	AIRFLOW (CFM)	ESP (IN W.C.)	BLOWER MOTOR HP	COOLING CAPACITY	COOLING SENSIBLE	HEATING TYPE	HEATING (KW)	DRIVE TYPE	WEIGHT LBS	VOLTS/ PHASE	BASIS OF DESIGN	NOTES
KSF-1	2,940	1.0	3.0	139.6	88.3	ELECTRIC	15	BELT	2200	460/3	ECON-AIR EARTU2-E.154-18-10T-MPU	1

NOTES:
MAU SCHEDULED FOR COORDINATION PURPOSES ONLY. FAN SHALL BE PROVIDED WITH HOOD PACKAGE. REFER TO ECON-AIR KITCHEN HOOD & FAN DRAWINGS.

AIR DISTRIBUTION SCHEDULE

TAG	DESCRIPTION	BASIS OF DESIGN
RAG	CEILING RETURN GRILLES (RAG) SHALL BE ALUMINUM, PERFORATED. FACE AREA SHALL BE SUITABLE FOR 24"X24" LAY-IN CEILING GRID. PROVIDE WITH BAKED ENAMEL FINISH IN A COLOR MATCHING THE CEILING GRID.	TITUS PAR-AA
SR	SUPPLY REGISTERS (SR) SHALL BE STEEL, DOUBLE DEFLECTION TYPE PROVIDED WITH OPPOSED BLADE DAMPER, OUTER MOST SET OF DEFLECTORS PARALLEL TO THE SHORT DIMENSION. DIFFUSER FINISH SHALL BE READY FOR FIELD APPLIED PAINT.	TITUS 300RS
LSD	LINEAR SLOT DIFFUSERS (LSD) SHALL BE 4' LONG CONTINUOUS ALUMINUM DIFFUSER WITH FOUR (4) 1" SLOTS WITH TYPE 3 FLUSH BORDER, 180° ADJUSTABLE PATTERN CONTROLLERS AND LINED PLENUM. PLENUM SHALL HAVE NECK SIZE AS INDICATED ON PLAN. DIFFUSER FINISH SHALL BE READY FOR FIELD APPLIED PAINT. PROVIDE WITH CABLE OPERATED BALANCING DAMPER IN DIFFUSER NECK TO ALLOW DAMPER ADJUSTMENT FROM FACE OF DAMER.	TITUS ML-39
LSD-1	LINEAR SLOT DIFFUSERS (LSD) SHALL BE 4' LONG CONTINUOUS ALUMINUM DIFFUSER WITH TWO (2) 1" SLOTS WITH TYPE 22, TAPE & SPACKLE BORDER, 180° ADJUSTABLE PATTERN CONTROLLERS AND LINED PLENUM. PLENUM SHALL HAVE NECK SIZE AS INDICATED ON PLAN. DIFFUSER FINISH SHALL BE READY FOR FIELD APPLIED PAINT. PROVIDE WITH CABLE OPERATED BALANCING DAMPER IN DIFFUSER NECK TO ALLOW DAMPER ADJUSTMENT FROM FACE OF DAMER.	TITUS ML-39
KD	KITCHEN CEILING DIFFUSER (KCD) SHALL BE 24x24 PERFORATED ALUMINUM DIFFUSER SUITABLE FOR INSTALLATION IN LAY-IN CEILING GRID.	TITUS PAR-AA

FAN SCHEDULE

TAG	AIRFLOW (CFM)	ESP (IN W.C.)	MOTOR HP	FAN RPM	DRIVE TYPE	VOLTS/ PHASE	WEIGHT (LBS)	TYPE	BASIS OF DESIGN	NOTES
KEF-1	3785	1.5	3	875	BELT	460/3	2200	ROOF EXHAUST	ECON-AIR EADU240H	1,2

NOTES:
1. KEF SCHEDULED FOR COORDINATION PURPOSES ONLY. FAN SHALL BE PROVIDED WITH HOOD PACKAGE. REFER TO ECON-AIR KITCHEN HOOD & FAN DRAWINGS.
2. PROVIDE UL-762 RATED FAN WITH GREASE CUP, ROOF CURB AND DISCONNECT.

WESTSIDE ENGINEERING
WE # 24269
COA # 32602
200 Galleria Parkway
Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

NDS norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS
1/13/2025 50% AIRPORT REVIEW
2/13/2025 95% SUBMITTAL

LEGEND, NOTES, DETAILS, & SCHEDULES MECHANICAL PLAN

SHEET NUMBER
M-0.1

SECTION 230100 - GENERAL:

A. GENERAL

1. CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, TOOLS AND LABOR NECESSARY TO PROVIDE A COMPLETE MECHANICAL SYSTEM COMPLIANT WITH ALL REQUIRED CODES & STANDARDS.
2. DRAWINGS ARE SCHEMATIC IN NATURE AND SHALL NOT BE SCALED.
3. ALL REQUIRED PERMITS & INSPECTIONS SHALL BE SECURED & PAID FOR UNDER THIS CONTRACT. INSPECTION CERTIFICATIONS SHALL BE PROVIDED TO THE OWNER.
4. CONTRACTOR SHALL VISIT THE SITE TO THOROUGHLY EXAMINE EXISTING CONDITIONS PRIOR TO SUBMITTING BID. IF EXISTING CONDITIONS DIFFER FROM DESIGN DOCUMENTS IN SUCH A MANNER THAT AFFECTS PRICING, THE CONTRACTOR SHALL ADJUST THE BID ACCORDINGLY AND NOTIFY THE OWNER & ENGINEER PRIOR TO SUBMITTING THE BID. NO ALLOWANCES WILL BE MADE FOR LACK OF KNOWLEDGE REGARDING THE EXISTING CONDITIONS.

B. VIBRATION ISOLATION

1. VIBRATION ISOLATION SHALL BE PROVIDED FOR ALL MOTOR DRIVEN EQUIPMENT SUSPENDED FROM STRUCTURE OR MOUNTED ON FLOOR. VIBRATION ISOLATORS SHALL BE SIZED PER EQUIPMENT MANUFACTURER'S REQUIREMENTS.

C. IDENTIFICATION

1. PERMANENT BAKELITE TAGS WITH 1" TALL LETTERS SHALL BE PROVIDED FOR ALL EQUIPMENT. EQUIPMENT NUMBERING SHALL MATCH BUILDING STANDARDS.

D. STARTERS

1. ALL MOTORS SHALL BE PROVIDED WITH MAGNETIC MOTOR STARTERS WITH OVERLOAD PROTECTION.
2. STARTERS SHALL BE PROVIDED WITH HAND-OFF-AUTO SWITCHES.
3. INDOOR MOTOR STARTERS SHALL BE FURNISHED WITHIN A NEMA 1 ENCLOSURE.
4. OUTDOOR MOTOR STARTERS SHALL BE FURNISHED WITHIN A NEMA 3R ENCLOSURE.

E. SUBMITTALS & SHOP DRAWINGS

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS & PRODUCT DATA FOR ALL MECHANICAL EQUIPMENT & SYSTEMS TO BE PROVIDED AND/OR INSTALLED.

F. SUBSTITUTE MANUFACTURERS

1. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION & COST OF ALL CHANGES REQUIRED FOR INSTALLATION OF EQUIPMENT & PRODUCTS MANUFACTURED BY THOSE OTHER THAN WHAT IS SPECIFIED IN THE CONTRACT DOCUMENTS.
2. CAREFULLY COORDINATE SUBSTITUTE MANUFACTURER'S INSTALLATION REQUIREMENTS WITH ALL OTHER TRADES INCLUDING BUT NOT LIMITED TO STRUCTURE, ELECTRICAL, PLUMBING AND ARCHITECTURAL. ALL INSTALLATION COSTS ASSOCIATED WITH INSTALLATION OF SUBSTITUTE MANUFACTURER SHALL BE INCLUDED IN BID. NO ALLOWANCES SHALL BE GIVEN FOR CHANGES ASSOCIATED WITH INSTALLATION OF SUBSTITUTE EQUIPMENT & SYSTEMS.
3. LISTING OF A MANUFACTURER AS AN "EQUAL" DOES NOT RELIEVE CONTRACTOR'S RESPONSIBILITY OF COORDINATION & COST ASSOCIATED WITH CHANGES REQUIRED TO OTHER TRADES.

G. WARRANTY

1. CONTRACTOR SHALL WARRANT ALL EQUIPMENT, MATERIALS AND WORKMANSHIP FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR.
2. ALL HVAC COMPRESSORS SHALL BE WARRANTED FOR A PERIOD OF NOT LESS THAN 5 YEARS.

H. AS-BUILT DRAWINGS

1. CONTRACTOR SHALL KEEP REDLINE SET OF DRAWINGS ON SITE DURING CONSTRUCTION TO UPDATE LOCATION OF ALL EQUIPMENT AND SYSTEMS AS THE CONSTRUCTION PROGRESSES. REDLINE SET OF DRAWINGS SHALL BE TURNED OVER TO OWNER AT COMPLETION OF CONSTRUCTION.

I. OPERATION & MAINTENANCE MANUALS

1. CONTRACTOR SHALL PROVIDE AN ELECTRONIC SET AND ONE (1) SET OF HARD COPIES OF INSTALLATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT & SYSTEMS PROVIDED UNDER THIS CONTRACT.

J. INSTRUCTION

1. CONTRACTOR SHALL THOROUGHLY INSTRUCT OWNER ON OPERATION AND RECOMMENDED MAINTENANCE PROCEDURES OF ALL INSTALLED EQUIPMENT & SYSTEMS.

SECTION 230600 PIPING SYSTEMS

A. CONDENSATE PIPING SHALL BE TYPE L HARD COPPER WITH WROUGHT COPPER FITTINGS & SOLDERED JOINTS.

B. HOT WATER PIPING 2" AND SMALLER SHALL BE TYPE L HARD COPPER WITH WROUGHT COPPER FITTINGS. JOINTS SHALL BE SOLDERED WITH AN ASTM B32 SOLDER FOR 150 LB SERVICE.

SECTION 231810 INSULATION

A. RETURN AIR AND TRANSFER AIR DUCTS SHALL BE LINED WITH 1" THICK DUCT LINER.

B. SUPPLY & OUTSIDE AIR DUCTWORK SHALL BE WRAPPED WITH 2" THICK, 3/4 LB DENSITY, R-6 FOIL BACKED INSULATION. JOINTS SHALL BE LAPPED A MINIMUM OF 2" AND SECURED WITH FLARE TYPE STAPLES.

C. HOT WATER PIPING INSULATION SHALL BE 2" THICK, PREFORMED FIBERGLASS INSUALTION WITH WHITE ALL SERVICE JACKET INCLUDING SELF ADHESIVE, LONGITUDINAL CLOSURE FLAP. FITTINGS AND ELBOWS SHALL BE FIBERGLASS FILLED ZESTON FITTINGS.

SECTION 238000 - DUCTWORK

A. ALL DUCTWORK SHALL BE FABRICATED WITH GALVANIZED SHEET METAL .

B. MEDIUM PRESSURE DUCTWORK, INSTALLED BETWEEN BUILDING AIR HANDLER & TERMINAL UNITS, SHALL BE SPIRAL, FLAT OVAL OR RECTANGULAR DUCT CONSTRUCTED FOR 4" PRESSURE SERVICE WITH CLASS A SEALS.

C. LOW PRESSURE DUCTWORK, INSTALLED DOWN STREAM OF TERMINAL UNITS, SHALL BE CONSTRUCTED FOR 2" PRESSURE SERVICE WITH CLASS C SEALS.

D. DUCTWORK CONSTRUCTION AND INSTALLATION SHALL CONFORM TO THE LATEST VERSION OF SMACNA DUCT STANDARDS.

E. ALL ELBOWS SHALL BE FULL RADIUS TYPE OR MITERED WITH TURNING VANES. MITERED ELBOWS ARE NOT ACCEPTABLE FOR USE IN MEDIUM PRESSURE DUCTWORK.

F. PROVIDE BELL MOUTH FITTINGS AT ALL MEDIUM PRESSURE BRANCH DUCT TAPS INTO MEDIUM PRESSURE MAIN DUCT.

G. PROVIDE SPIN IN FITTING WITH SCOOP & LOCKING DAMPER AT ALL LOW PRESSURE BRANCH DUCT CONNECTIONS TO MAIN DUCT.

H. DUCTWORK SHALL BE INSPECTED & SEALED AIR TIGHT TO BE FREE OF LEAKS PRIOR TO INSULATING OR COVERING UP THE DUCTWORK.

I. SMOKE DETECTORS SHALL BE PROVIDED BY DIVISION 26 FOR INSTALLATION BY DIVISION 23.

J. SMOKE DETECTORS SHALL CLOSE ALL ASSOCIATED SMOKE DAMPERS AND SHUT DOWN THE ASSOCIATED AIR MOVING DEVICE.

SECTION 239500 - TEST & BALANCE

A. TEST & BALANCE AGENCY SHALL BE NEBB OR AABC CERTIFIED.

B. TEST & BALANCE AGENCY SHALL BE HIRED DIRECTLY BY THE GENERAL CONTRACTOR.

C. ALL EQUIPMENT SHALL BE LUBRICATED, TESTED, ADJUSTED AND BALANCED TO MEET DESIGN, MANUFACTURER'S OPERATING & INSTALLATION GUIDELINES.

D. AIR TERMINALS SHALL BE BALANCED TO CFM INDICATED ON PLAN.

E. TERMINAL UNITS SHALL BE BALANCED TO THE SUM OF THE CONNECTED AIR DISTRIBUTION DEVICES.

F. ALL DEFICIENCIES SHALL BE RECORDED AND SENT TO THE MECHANICAL CONTRACTOR FOR RESOLUTION.

G. ONCE ALL DEFICIENCIES HAVE BEEN CORRECTED, TWO (2) HARD COPIES OF THE FINAL REPORT SHALL BE DELIVERED TO THE OWNER. AN ELECTRONIC COPY IN PDF FORMAT SHALL BE SUBMITTED IN ADDITION TO THE HARD COPIES.

GENERAL & CONTROLS NOTES:

1. MATERIALS EXPOSED IN RETURN AIR PLENUMS SHALL BE NON COMBUSTIBLE WITH A FLAME SPREAD INDEX NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50.
2. ROUND DUCT BRANCHES SERVING DIFFUSERS SHALL BE SIZED TO MATCH THE DIFFUSER CONNECTION SIZE OR AS INDICATED ON FLOOR PLAN. TAPS FROM THE MAIN DUCT SHALL BE MADE WITH SPIN-IN FITTINGS COMPLETE WITH SCOOP AND LOCKING DAMPER. FLEX DUCT SUPPORTS SHALL BE NO MORE THAN 48" APART TO PREVENT ANY SAGS OR KINKS. FLEX DUCT SHALL NOT BE SUPPORTED BY CONDUITS, PIPING OR CEILING GRID.
3. ALL RETURN AIR INTAKES SHALL BE COVERED WITH MERV 8 FILTER MEDIA DURING ALL PHASES OF CONSTRUCTION.
4. TEST & BALANCE MUST BE PERFORMED BY AN INDEPENDENT TEST & BALANCE COMPANY CERTIFIED BY AABC OR NEBB. AATC REQUIRES A CERTIFIED REPORT PRIOR TO THE START OF A PROJECT AND AT THE COMPLETION OF A PROJECT TO VALIDATE NO IMPACT TO THE HVAC SYSTEM.
5. ENSURE ALL VENTS ARE LOCATED MORE THAN 10' FROM ANY OUTDOOR INTAKE OF ROOF MOUNTED UNITS (RMU's).
6. HVAC TIE-INS ARE TO BE COORDINATED WITH AATC PRIOR TO INSTALLATION.
7. ALL CONTROL WORK SHALL BE COMPLETED BY A BASE BUILDING APPROVED CONTRACTOR AND SHALL TIE INTO THE BASE BUILDING ENERGY MANAGEMENT SYSTEM. GRAPHICS SHALL BE UPDATED TO REFLECT ALL RELOCATED & NEW EQUIPMENT. ALL MATERIAL, LABOR AND PROGRAMMING SHALL BE INCLUDED AS A PART OF THIS CONTRACT.
8. ALL LOW VOLTAGE WIRING SHALL BE INSTALLED AND WIRED TO EQUIPMENT AS A PART OF THIS CONTRACT.
9. BUILDING MANAGEMENT SYSTEM (BMS) COMMUNICATIONS MUST BE IDENTIFIED AND TAGGED PRIOR TO DEMO TO PREVENT SERVICED INTERRUPTION. ANY INTERRUPTIONS TO THE BMS COMMUNICATIONS BUS REQUIRE A UTILITY SERVICE REQUEST FORM.
10. ALL BMS CONTROL WIRING SHALL BE ROUTED WITHIN CONDUIT.
11. BMS GRAPHICS SHALL BE UPDATED TO REFLECT NEW FLOOR PLAN AND ANY NEW/MOVED/DEMOLISHED CONTROL POINTS.
12. ALL THERMOSTATS & TEMPERATURE SENSORS MUST BE LABELED WITH THEIR CORRESPONDING PRIMARY AND SECONDARY BOX IDENTIFIERS PER AIRPORT STANDARDS.
13. ALL DDC CONTROLLERS SHALL BE BACNET COMPATIBLE TO MATCH BUILDING STANDARD.

WESTSIDE ENGINEERING
WE # 24269
COA # 32602
200 Galleria Parkway
Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

SPECIFICATIONS - MECHANICAL

SHEET NUMBER

M-0.2

WESTSIDE ENGINEERING
WE # 24269
COA # 32602
200 Galleria Parkway
Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax

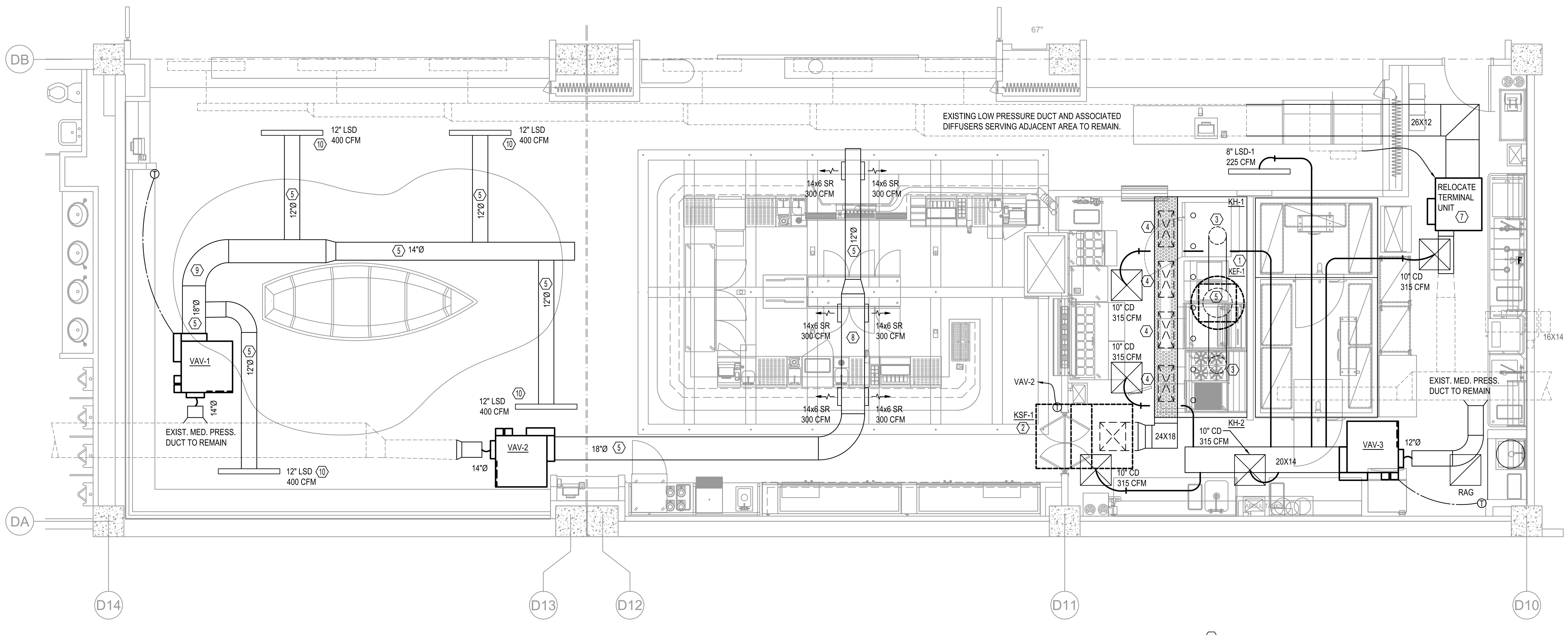
DATE:	10/07/2024
JOB NO:	414
DRAWN:	STAFF
CHECKED:	TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3186

JAMES DANIEL HUBBART
LICENSE
No 81195
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SEAL



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

KEY NOTES:

1. KITCHEN HOOD EXHAUST FAN (KEF-1)ON ROOF.
2. KITCHEN HOOD MAKE UP AIR UNIT (KSF-1 MPU) ON ROOF.
3. 14"Ø GREASE EXHAUST FROM HOOD EXHAUST CONNECTION.
4. 28"X12" SUPPLY AIR DOWN TO SUPPLY AIR PLENUM.
5. 20"Ø GREASE EXHAUST UP TO KEF-1 ON ROOF.
6. EXPOSED DUCTWORK SHALL BE DOUBLE WALL, PAINT GRIP SPIRAL DUCT, CLEAN, FREE OF DENTS AND READY FOR PAINT.
7. RELOCATE EXISTING TERMINAL UNIT. EXTEND LOW PRESSURE DUCT & RECONNECT TO EXISTING MEDIUM PRESSURE DUCT AS INDICATED. EXTEND CONTROL WIRING AND POWER WIRING AS REQUIRED. PRE-TEST UNIT AIRFLOW PRIOR TO BEGINNING CONSTRUCTION. AFTER RELOCATION, BALANCE UNIT TO PRE-TEST CFM.
8. ROUTE BOTTOM OF DUCTWORK 6" ABOVE HIGH POINT OF TRELLIS.
9. ROUTE BOTTOM OF DUCT 12" ABOVE FLOATING CEILING TO HIDE DUCT AS MUCH AS POSSIBLE.
10. LINEAR SLOT DIFFUSER PLENUM SHALL BE LINED PAINT GRIP, EXPOSED AND SUSPENDED FROM STRUCTURE ABOVE.

KEY LIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

Mechanical Plan

SHEET NUMBER

M-1.1

WESTSIDE ENGINEERING
VE # 24269
CDA # 32602

200 Galleria Parkway
Suite 1150
Atlanta, GA 30339

404-965-1287 tel
404-601-9859 fax
cdalinger@westsideengineering.com

DATE:	10/07/2024
JOB NO:	414
DRAWN:	STAFF
CHECKED:	TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

FOR QUESTIONS, CALL THE
Tampa Mechanical
REGION 68
PHONE: (813) 448 - 7884
EMAIL: reg68@econair.com

PATENT NUMBERS

AC-PSP (UNITED STATES) - US PATENT 7963830 B2.
AC-PSP WALL (CANADA) - CA PATENT 2820509.
AC-PSP ISLAND (CANADA) - CA PATENT 2520330.

HOOD INFORMATION - JOB#7334109

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG END TO END	HOOD CONFIG ROW
1	LEFT	5424 EX-2-PSP-F	ECON-AIR	7' 0"	600 DEG	I	HEAVY	266	1860			4"	14"	1860	1740	-0.827"	1450	430 SS WHERE EXPOSED	LEFT	ALONE
2	RIGHT	5424 EX-2-PSP-F	ECON-AIR	7' 3"	600 DEG	I	HEAVY	266	1925			4"	14"	1925	1801	-0.885"	1490	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	LEFT	CAPTRATE SOLO FILTER	5	20"	16"	85% SEE FILTER SPEC	2	RECESSED ROUND	NO							YES	443 LBS
2	RIGHT	CAPTRATE SOLO FILTER	5	20"	16"	85% SEE FILTER SPEC	2	RECESSED ROUND	NO							YES	513 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	LEFT	FIELD WRAPPER 18.00" HIGH FRONT.
		BACKSPLASH 80.00" HIGH X 172.00" LONG 430 SS VERTICAL.
		LEFT END STANDOFF (FINISHED) 1" WIDE 54" LONG INSULATED.
		BALANCE DAMPERS.
		LEFT WALL AS END PANEL.
2	RIGHT	FIELD WRAPPER 18.00" HIGH FRONT, RIGHT.
		BALANCE DAMPERS.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	RISER(S) TYPE	WIDTH	LENG	DIA	CFM	SP
1	LEFT	Front	85"	18"	6"	MUA	12"	28"		725	0.198"
						MUA	12"	28"		725	0.198"
2	RIGHT	Front	87"	18"	6"	MUA	12"	28"		745	0.208"
						MUA	12"	28"		745	0.208"

WALL-MOUNT UTILITY CABINET

HOOD NO	LOCATION	SIZE	UTILITY CABINET(S) FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	WEIGHT
1	WALL MNT	12"x60"x30"	TANK FS	4.0/4.0/4.0	DCV-1111	1 LIGHT 1 FAN	440.00 LBS

CLEARANCE TO COMBUSTIBLES

HOODS #	SURFACE	*CLEARANCE
1	TOP	18"
	FRONT	0"
	BACK	18"
	LEFT	0"
	RIGHT	18"
2	TOP	18"
	FRONT	0"
	BACK	18"
	LEFT	18"
	RIGHT	18"

- *0" CLEARANCE TO COMBUSTIBLES CONFORMS TO UL710 STANDARD.

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.

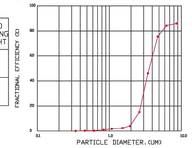
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

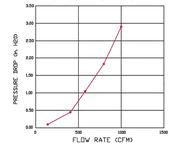
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

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

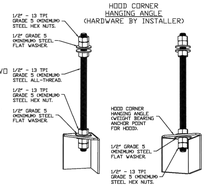


PRESSURE DROP VS. FLOW RATE



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
NFPA #96.
NSF STANDARD #2.
UL STANDARD #1046.
INT. MECH. CODE (IMC).
ULC-S649.

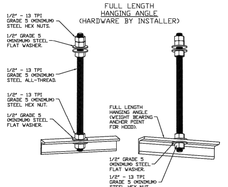
HOOD CORNER HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

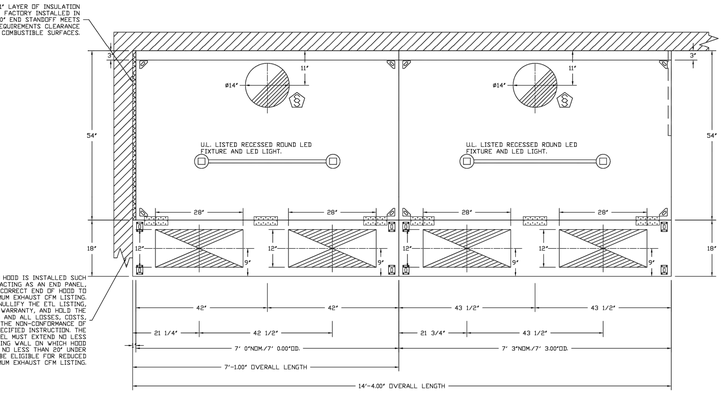
HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND 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

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 ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR FULL LENGTH HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



INSTALLER MUST CONFIRM HOOD IS INSTALLED SUCH THAT THE SPECIFIED WALL ACTING AS AN END PANEL, IS MATED TIGHT TO THE CORRECT END OF HOOD TO ACHIEVE A REDUCED MINIMUM EXHAUST CFM LISTING. NON-COMPLIANCE WILL NULLIFY THE ETL LISTING, VOIDING THE MANUFACTURER'S WARRANTY, AND HOLD THE CONTRACTOR LIABLE FOR ANY AND ALL LOSSES, COSTS, AND EXPOSURES RELATED TO THE NON-CONFORMANCE OF THE MANUFACTURER'S SPECIFIED INSTRUCTION. THE WALL ACTING AS AN END PANEL MUST EXTEND NO LESS THAN 20" FROM THE INTERSECTING WALL ON WHICH HOOD IS MOUNTED AND MUST EXTEND NO LESS THAN 20" UNDER BOTTOM OF HOOD TO BE ELIGIBLE FOR REDUCED MINIMUM EXHAUST CFM LISTING.

PLAN VIEW - HOOD #1 (LEFT)
7' 0.00" LONG 5424EX-2-PSP-F

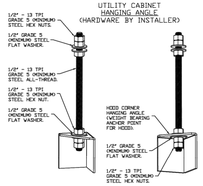
PLAN VIEW - HOOD #2 (RIGHT)
7' 3.00" LONG 5424EX-2-PSP-F

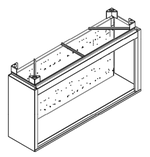
WALL-MOUNT UTILITY CABINET ASSEMBLY INSTRUCTIONS

CABINET TO BE HUNG BY OTHERS. SEE UTILITY CABINET SCHEDULE FOR CABINET SIZE.

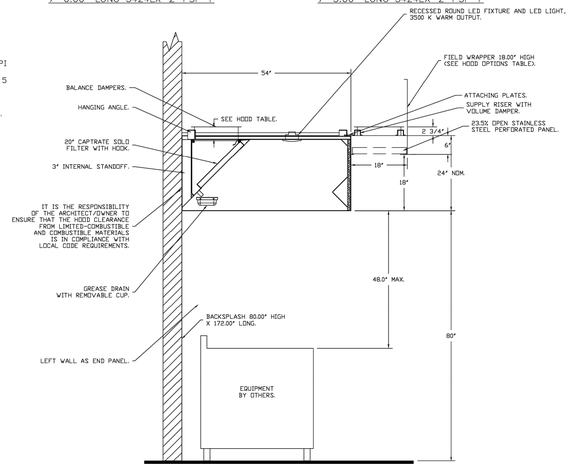
HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH UTILITY CABINET HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

UTILITY CABINET HANGING ANGLE (HARDWARE BY INSTALLER)



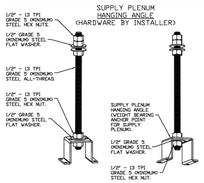


RECESSED ROUND LED FIXTURE AND LED LIGHT, 3500 K WARM OUTPUT.



SECTION VIEW - MODEL 5424EX-2-PSP-F
HOOD - #1 (LEFT)

SUPPLY PLENUM 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 ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR PSP HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

GREASE DUCT & CHIMNEY SPECIFICATIONS:
PROVIDE GREASE DUCT EQUAL TO ECON-AIR MODEL "EDW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "EDW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "EDW" 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 "EDW" 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 ECON-AIR MODEL "EDW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

ECON-AIR 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 _____

REVISIONS

DESCRIPTION	DATE

econ·air
www.econair.com
Tampa Mechanical
4519 George Road, Suite 150, Tampa, FL. 33634 PHONE: (813) 448 - 7884 FAX: 8182279920 EMAIL: reg68@econair.com

Paradies - RSW - Key Lime Bistro_101_R1
11000 Terminal Access Road,Concourse "D" - Second Level
Fort Myers, FL, 33913

DATE:	2/11/2025
DWG.#:	7334109
DRAWN BY:	jordanpettiford
SCALE:	3/4" = 1'-0"
MASTER DRAWING	
SHEET NO.	1

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

HOOD PACKAGE

SHEET NUMBER

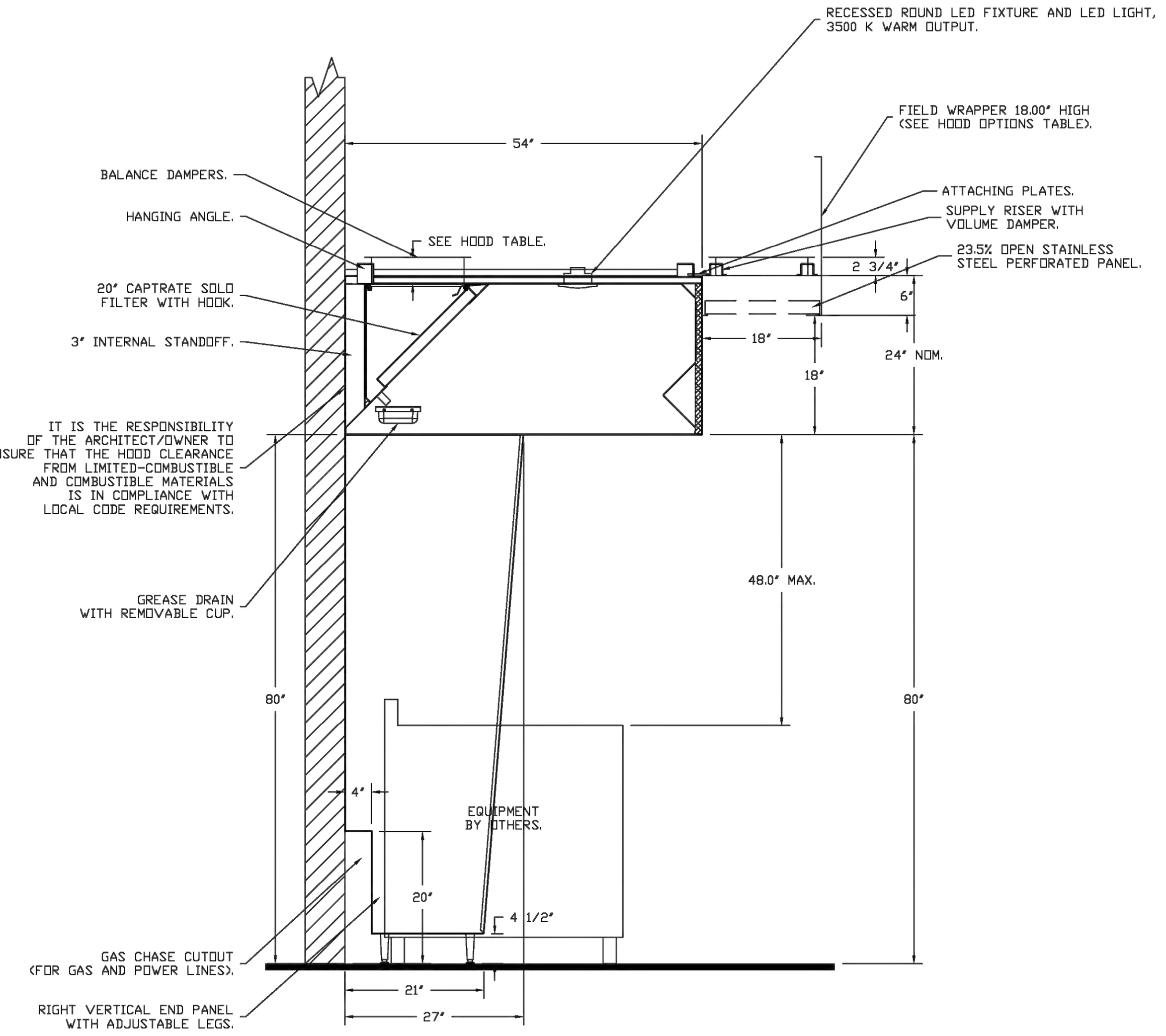
M-2.1

WESTSIDE
ENGINEERING
WE # 24269
COA # 32602
200 Galleria Parkway
Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax
cdslinger@westside-engineering.com

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

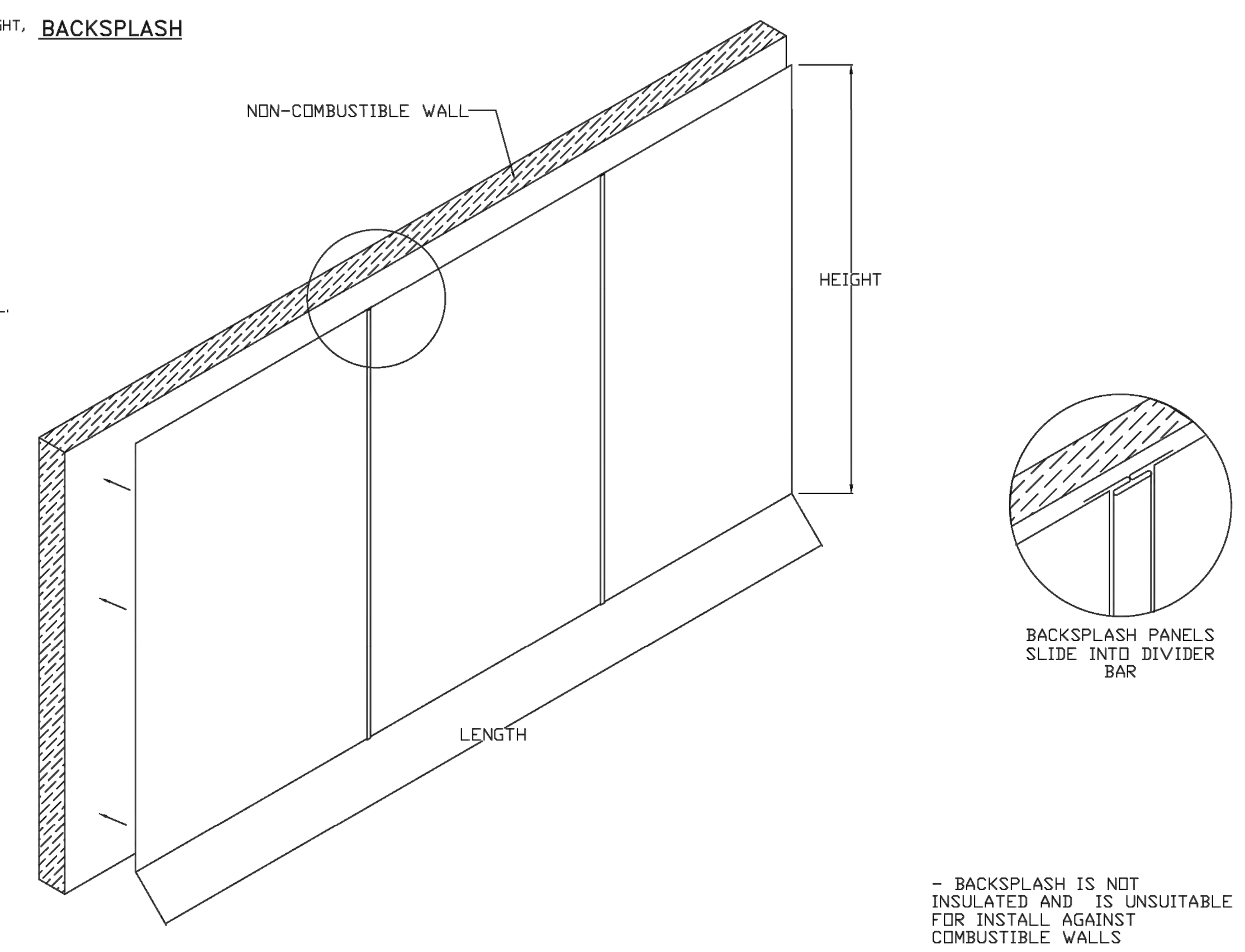
NDS
norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan
Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3168



SECTION VIEW – MODEL 5424EX-2-PSP-F
HOOD – #2 (RIGHT)

BACKSPLASH



- BACKSPLASH IS NOT INSULATED AND IS UNSUITABLE FOR INSTALL AGAINST COMBUSTIBLE WALLS

REVISIONS		
	DESCRIPTION	DATE:
△		
△		
△		
△		

econ·air
www.econair.com
Tampa Mechanical
4519 George Road, Suite 150, Tampa, FL, 33634 PHONE: (813) 448 - 7884 FAX: 9192275920 EMAIL: reg68@econair.com

Paradies – RSW – Key Lime Bistro_101_R1
11000 Terminal Access Road,Concourse "D" – Second Level
Fort Myers, FL, 33913

DATE: 2/11/2025
DWG.#: 7334109
DRAWN BY: jordan.pettiford
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 2

SEAL

KEY LIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

HOOD PACKAGE

SHEET NUMBER

M-2.2

WESTSIDE ENGINEERING
WE # 24269
CDA # 32602

200 Galleria Parkway
Suite 1150
Atlanta, GA 30339

404-965-1287 tel
404-601-9859 fax
cdsalinge@westsideengineering.com

FIRE SYSTEM INFORMATION – JOB#7334109

FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN FP	INSTALLATION	
						SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0/4.0/4.0	60	46	WALL UTILITY CABINET LEFT	N/A

GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1		SC ELECTRICAL	2.000	ECON-AIR

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 POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	0
		0 – 0 – TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	0
		0 – 0 – 12-F28021-32144-01-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F. (A0034310).	2	0
		0 – 0 – 32-00002 QUIK SEAL – 1/2" (UL).	2	0
		0 – 0 – 361091 3/8" BRASS PLUG.	6	0
		0 – 0 – 44291453 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	3	0
		0 – 0 – 44291422 1/2" X 1/4" BRASS REDUCING BUSHING.	2	0
		0 – 0 – 79425 3/8" NPT FEMALE TO 1/2" MALE PROPRESS ADAPTER.	6	0
		0 – 0 – 79525 1/2" 90 PRO-PRESS ELBOW WITH 1/2" NPT FEMALE CONNECTION, VIEGA.	2	0
		0 – 0 – 79580 1/2" X 1/2" PRO-PRESS TEE X 1/2" NPT FEMALE CONNECTION, VIEGA.	3	0
		0 – 0 – 87-120042-001 SECONDARY ACTUATOR VALVE (SVA) – SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	2	0
		0 – 0 – 87-120045-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5" BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	2	0
		0 – 0 – 87-300001-001 TANK – PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	3	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 – 87-300033-001 DIN CONNECTOR, CANFIELD PART #5J560-201-EU0A, TANK FIRE SUPPRESSION, SUBMINATURE SOLENOID CONNECTION (CED VENDOR 30377).	1	0
		0 – 0 – 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	12	0
		0 – 0 – 9055455PC PRO PRESS 1/2 PRESS X PRESS 90 ELBOW LD.	4	0
		0 – 0 – 909720PC PRO PRESS PC611 1/2 PRESS TEE LD.	9	0
		0 – 0 – 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	6	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.	2	0
		0 – 0 – B1145 3/8" BLACK IRON 90 ELL.	4	0
		0 – 0 – DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	3	0
		0 – 0 – SLPCDN-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 – SLPCDN-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.	2	0
		0 – 0 – TANK STRAP TANK STRAP – USED FOR TANK FIRE SUPPRESSION.	9	0
		0 – 0 – TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	3	0
		0 – 0 – WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	3	0
		16 – 16 – 79210 1/2" X 3/8" NPT MALE ADAPTER, VIEGA.	10	0
		16 – 16 – DL-F NOZZLE – TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE).	10	0
		26 – 26 – QSA-3/8 QUIK SEAL – 3/8" (UL).	10	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

REVISIONS

	DESCRIPTION	DATE:
△		
△		
△		
△		

econ·air
Tampa Mechanical
www.econair.com
4519 George Road, Suite 150, Tampa, FL, 33634 PHONE: (813) 448 - 7884 FAX: 9182275500 EMAIL: mgr@econair.com

Parades - RSW - Key Lime Bistro_101_R1
11000 Terminal Access Road,Concourse "D" - Second Level
Fort Myers, FL, 33913

DATE: 2/11/2025
DWG.#: 7334109
DRAWN BY: jordanpettiford
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 3

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

NDS norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan
Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
11000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

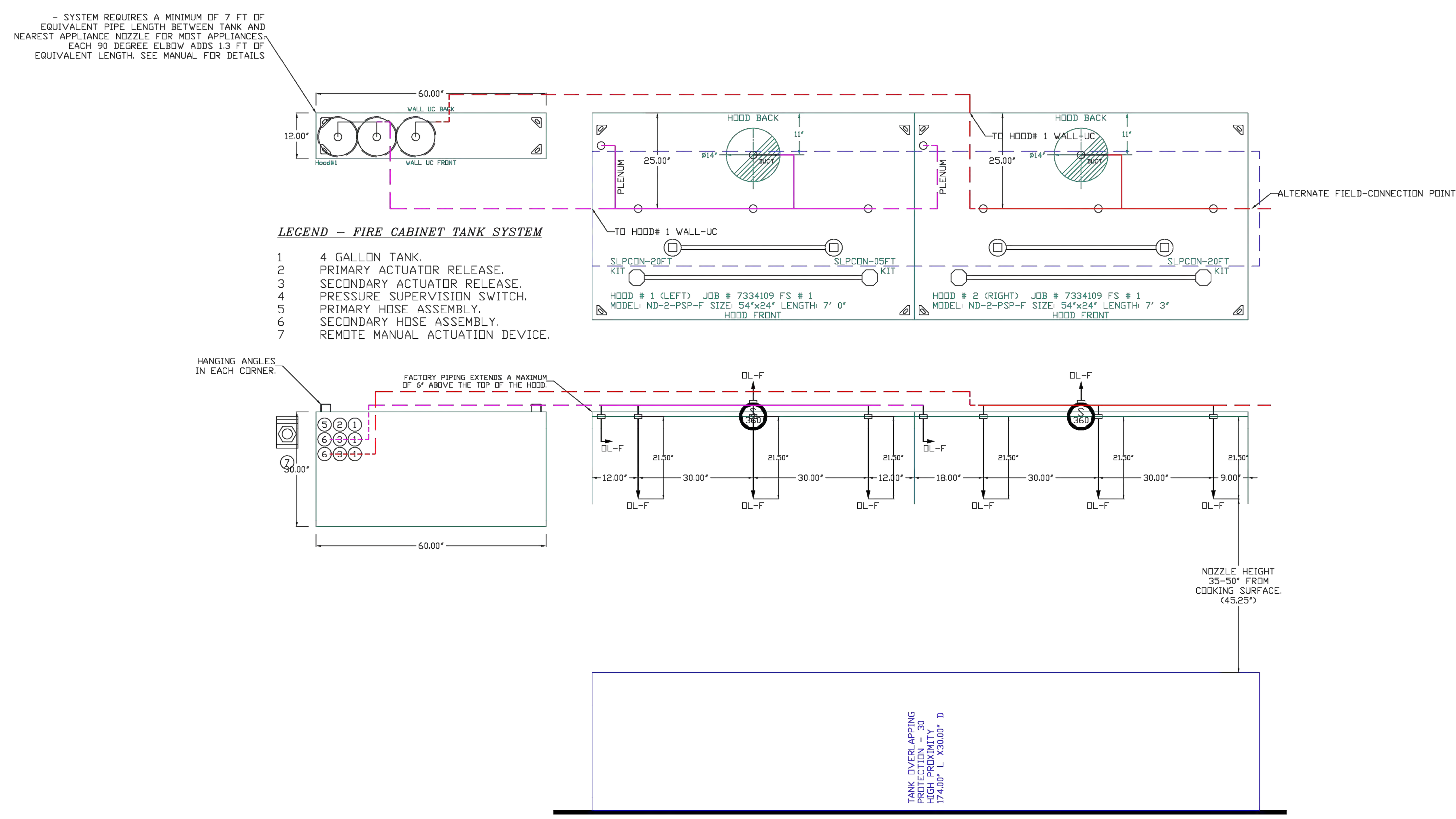
HOOD PACKAGE

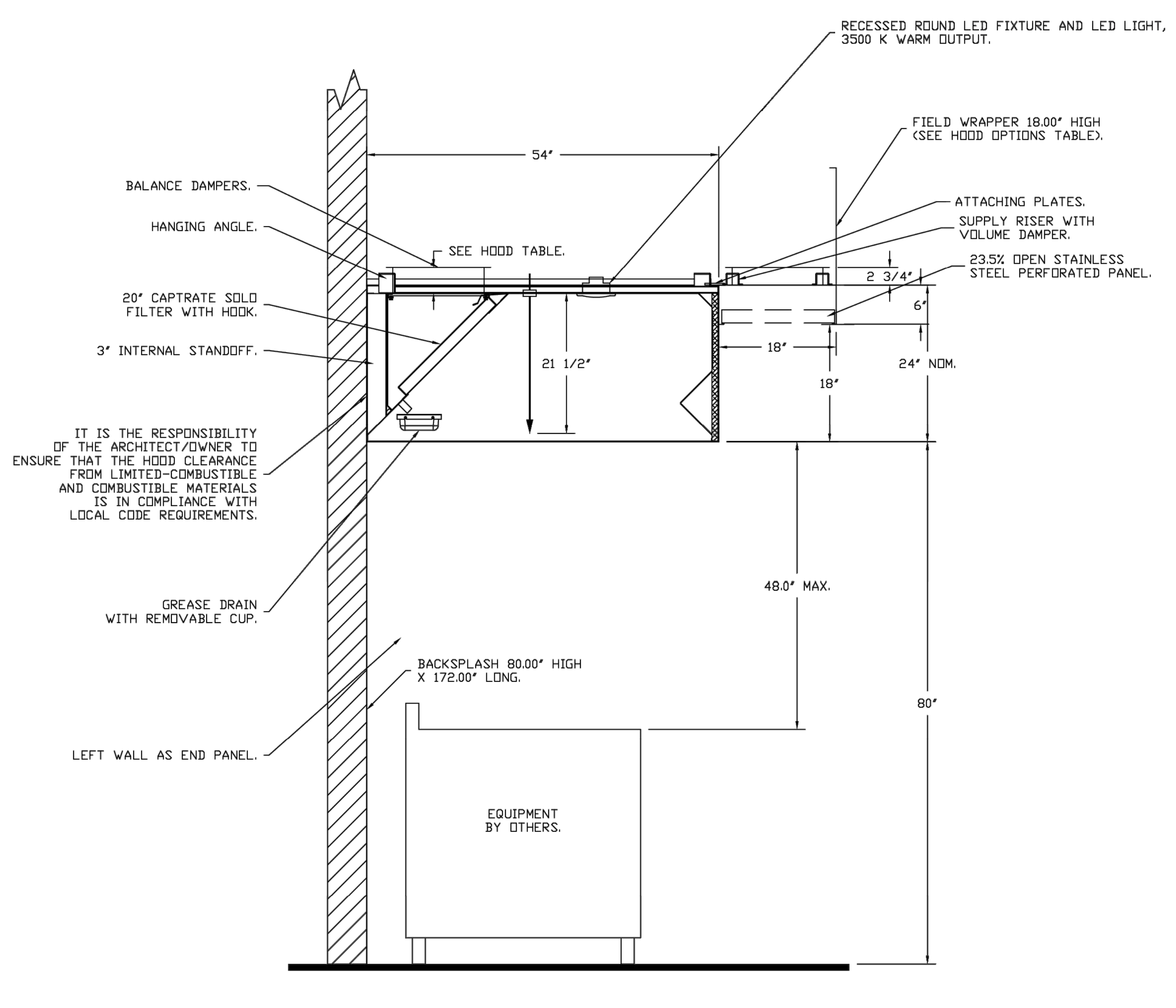
SHEET NUMBER

M-2.3

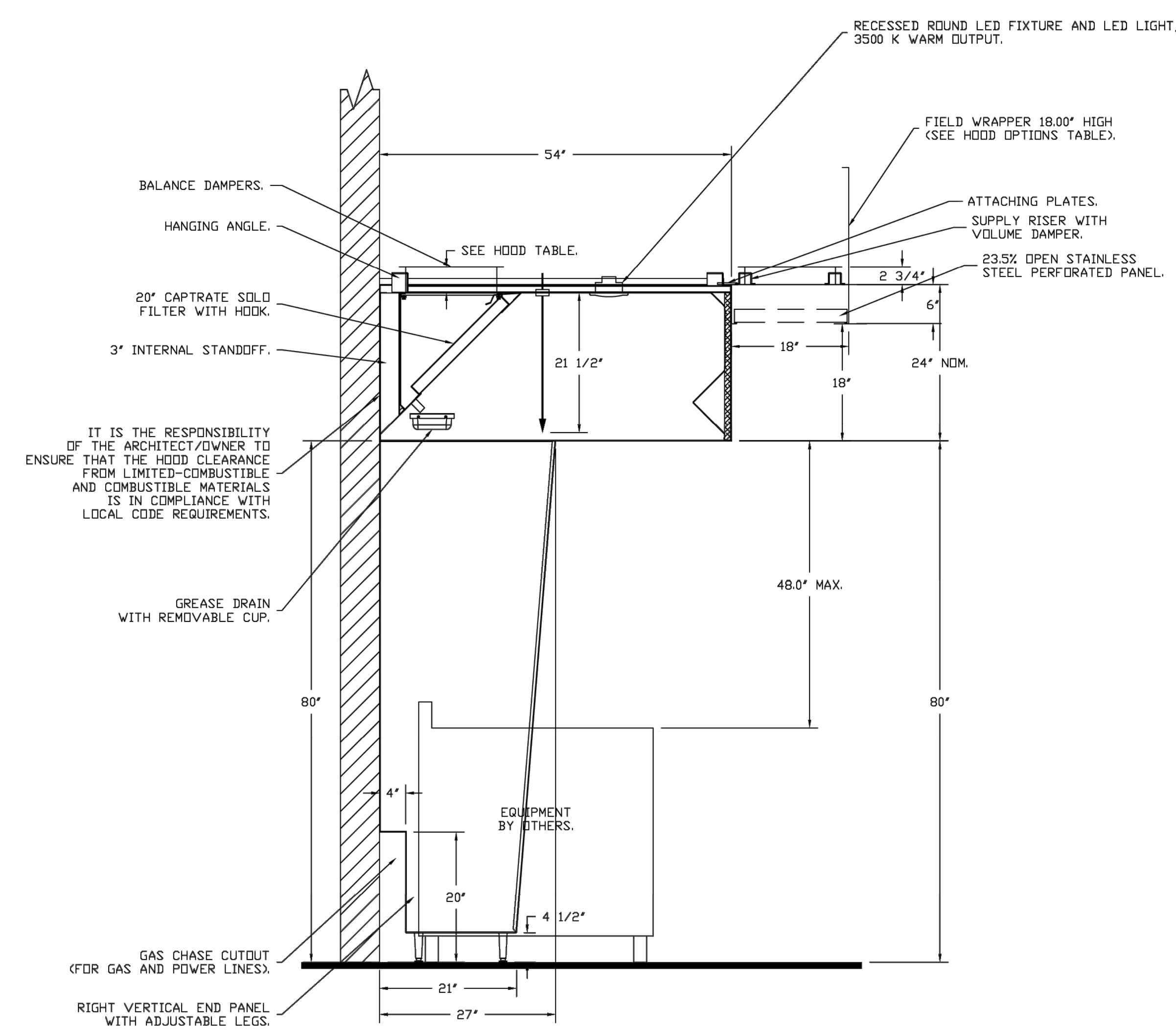
WESTSIDE ENGINEERING
WE # 24269
COA # 32602
200 Galleria Parkway
Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax

DATE:	10/07/2024
JOB NO:	414
DRAWN:	STAFF
CHECKED:	TMM





SECTION VIEW – MODEL 5424EX-2-PSP-F
HOOD – #1



SECTION VIEW – MODEL 5424EX-2-PSP-F
HOOD – #2

NOTES
- FIELD PIPE DROPS AS SHOWN
  PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

- OL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 7334109.
JOB NAME: PARADIES - RSW - KEY LIME BISTRO_101_R1.

SYSTEM SIZE: TANK-SP-3-WC DESIGN FP: 46. MAXIMUM FP: 60.
HOOD # 1 7' 0.00" LONG x 54" WIDE x 24" HIGH.
RISER # 1 SIZE: 14" DIA.
HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.
HOOD # 2 7' 3.00" LONG x 54" WIDE x 24" HIGH.
RISER # 1 SIZE: 14" DIA.
HOOD # 2 METAL BLOW-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

AGENT DISTRIBUTION PIPING LIMITATIONS	
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10

REVISIONS
DESCRIPTION | DATE

econ·air
www.econair.com
Tampa Mechanical
4519 George Road, Suite 150, Tampa, FL 33634

Paradies - RSW - Key Lime Bistro_101_R1
11000 Terminal Access Road,Concourse "D" - Second Level
Fort Myers, FL, 33913

DATE: 2/11/2025
DWG.#: 7334109
DRAWN BY: jordangetti
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 4

www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

HOOD PACKAGE

SHEET NUMBER

M-2.4

WESTSIDE ENGINEERING
WE # 24269
COA # 32602
200 Galleria Parkway
Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

NDS norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

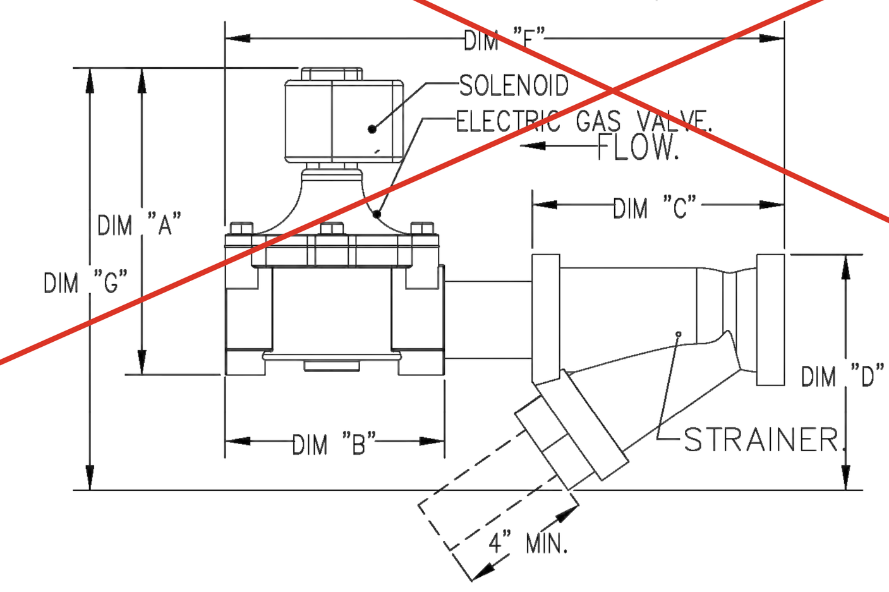
T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

GAS VALVES AND STRAINERS																	
	GAS VALVE SIZING							GAS VALVE DIMENSIONS						INSTALLATION	PART NUMBERS		
	TYPE	SIZE	VOLTAGE	MIN. INLET PRESSURE	MAX. INLET PRESSURE	FLOW AT 1 IN.W.C. DROP NATURAL GAS	FLOW AT 1 IN.W.C. DROP PROPANE	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "F"	DIM "G"	PIPE ORIENTATION	GAS VALVE PART NUMBER	STRAINER PART NUMBER	GAS VALVE/STRAINER KIT
GAS VALVE FOR FS#1→	ELECTRICAL	2"	120 VAC	0 PSI (0 IN.W.C.)	5 PSI (138 IN.W.C.)	2,940,500 BTU/HR	1,908,048 BTU/HR	7-5/8"	6-3/8"	7-1/4"	7-13-16"	15-5/8"	13-15/16"	HORIZONTAL/VERTICAL	8214280	4417K68	(SC)EGVA2

ELECTRIC GAS VALVES ONLY: SOLENOID ORIENTATION
3/4"-2" 120VAC GAS VALVES CAN BE MOUNTED WITH THE SOLENOID IN ANY POSITION AT OR ABOVE HORIZONTAL.
2 1/2"-3" 120VAC GAS VALVES MUST BE MOUNTED WITH THE SOLENOID VERTICAL AND UPRIGHT.
24VDC GAS VALVES MUST BE MOUNTED WITH THE SOLENOID VERTICAL AND UPRIGHT.

ALL GAS VALVES/STRAINERS
PROPER CLEARANCE MUST BE PROVIDED IN ORDER TO SERVICE THE STRAINERS A MINIMUM OF 4" CLEARANCE DISTANCE MUST BE PROVIDED AT THE BASE OF THE STRAINER CUSTOMER MUST VERIFY BTU CONSUMPTION AS WELL AS PRESSURE RATING SPECIFIC GRAVITY OF NATURAL GAS = 0.64, SPECIFIC GRAVITY OF LP = 1.52.

CALCULATIONS
TO CALCULATE GAS FLOW FOR OTHER THAN 1 IN.W.C. PRESSURE DROP
NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP$^{0.5}$
TO CALCULATE GAS FLOW FOR OTHER THAN 0.64 SPECIFIC GRAVITY
NEW BTU/HR = (BTU/HR AT 0.64) X (0.64 / NEW SPECIFIC GRAVITY)$^{0.5}$.



NOT USED

REVISIONS

△ DESCRIPTION	DATE:
△	
△	
△	
△	

econ·air www.econair.com
Tampa Mechanical
4519 George Road, Suite 150, Tampa, FL, 33634 PHONE: (813) 448 - 7884 FAX: 9192275920 EMAIL: reg68@econair.com

Paradies - RSW - Key Lime Bistro_101_R1
11000 Terminal Access Road,Concourse 'D' - Second Level
Fort Myers, FL, 33913

DATE: 2/11/2025
DWG.#: 7334109
DRAWN BY: jordan.pettiford
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 5

SEAL

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
11000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

HOOD PACKAGE

SHEET NUMBER
M-2.5

WESTSIDE ENGINEERING
WE # 24269
COA # 32602
200 Galleria Parkway
Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

EXHAUST FAN INFORMATION – JOB#7334109

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	1	EADU240H	ECON-AIR	3785	1.500	875	TEFC,PREMIUM	3.000	1.8960	3	460	4.5	860 FPM	379	15

DOAS/RTU FAN SCHEDULE – JOB#7334109

FAN INFORMATION											ELECTRICAL INFORMATION					COOLING INFORMATION											ELECTRIC HEAT INFORMATION					A2L MINIMUM ROOM VOLUME			NOTES
																OUTSIDE AIR		MIXED AIR		LEAVING AIR			CAPACITY												
FAN UNIT NO	TAG	QTY	DOAS/RTU MODEL #	MANUFACTURER	BLOWER	RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	WEIGHT (LBS)	ESP	HP	PHASE	VOLT	MCA	MOCP	DB	WB	DB	WB	DB	WB	DP	TOTAL	SENS.	IEER	ISMRE	DSGN. KW'S	MAX. KW'S	VOLTS	AMPS	TEMP RISE	ROOM AREA (FT2)	AIRFLOW (CFM)	HEIGHT (FT)	
2	KSF-1 MPU	1	EARTU2-E.154-18-10T-MPU	ECON-AIR	18MF-2-RTU	0	2940	2940	1917	1.000	3.00	3	460	29.4A	30A	92.0°F	77.0°F	92.0°F	77.0°F	64.5°F	64.4°F	64.4°F	139.6 MBH	88.3 MBH	18.6	4.3	10	15	460	18.1	10 °F	440.6	793	7.2	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16

NOTES:
1. INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR. DIGITAL OR STAGED SCROLL NOT AN APPROVED EQUAL
2. DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE
3. INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER
4. REFRIGERATION PRESSURE MONITORING ON HIGH AND LOW PRESSURE SIDE OF SYSTEM INCLUDED THROUGH DIGITAL INTERFACE
5. EC MOTOR CONDENSING FANS
6. ELECTRONIC EXPANSION VALVE. TXV NOT ACCEPTABLE
7. SUCTION LINE ACCUMULATOR
8. FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY
9. AVERAGING INTAKE, EVAP AND DISCHARGE TEMPERATURE SENSORS (DISCHARGE SENSOR TO BE FACTORY MOUNTED WITHIN UNIT)
10. 2" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-13 INSULATION-MINIMUM 20GA EXTERIOR W/ 14GA BASE
11. SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE
12. 15 DEGREE LOW AMBIENT OPERATION
13. MIAMI DADE RATED
14. DOWN DISCHARGE/NO RETURN
15. SINGLE POINT POWER CONNECTION FOR UNIT & ELECTRIC HEATER
16. MINIMUM ROOM AREA ASSUMED 7.2' SUPPLY DIFFUSER HEIGHT AND IS CALCULATED PER UL60335-2-40 4TH ED. VALUES BASED ON FACTORY CHARGE. ACTUAL SITE CHARGE MAY DIFFER.

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF-1	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL – DU/DR240HFA – INSTALLED AT PLANT – FOR GREASE DUCTS
		1	MIAMI DADE CERTIFICATION – NOA-1 ALUMINUM UPBLAST
		1	HINGE KIT LOCKING EXTENDED (XHDEXT)- SHIPS LOOSE FOR CURB SUPPLIED BY OTHERS
		1	LOAD REACTOR MOUNTED IN FAN
		1	2 YEAR PARTS WARRANTY
2	KSF-1 MPU	1	COOLING OVERRIDE
		1	CASLINK BUILDING MONITORING SYSTEM – INTERNET OR CELLULAR CONNECTION REQUIRED
		1	CONSTRUCTION MODE – MODIFIES START-UP SETTINGS TO ALLOW TEMPERING A BUILDING STILL UNDER CONSTRUCTION
		1	RTU BLOWER DOOR SWITCH
		1	TOTAL CFM MONITORING
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
		1	RTU2 DOWN DISCHARGE ELECTRIC HEAT
		1	10 TON MODULATING COOLING OPTION, 460/480V. R454B REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS
		1	LOW AMBIENT COOLING OPERATION – DOWN TO 0F AMBIENT
		1	R454B LEAK DETECTOR OPTION FOR RTUS
		1	RTU2 MIAMI DADE CERTIFICATION
		1	SINGLE POINT CONNECTION – ELECTRIC HEATER RTU. BLOWER & HEATER MUST BE THE SAME VOLTAGE & PHASE. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE
		1	RTU2 CURB DUCT HANGER
		1	SIZE 2 MOISTURE ELIMINATOR FOR SIZE 2, 10 TON RTU. NO REHEAT
		1	DISCHARGE FIRESTAT SET TO 240°F
		1	INTAKE FIRESTAT SET TO 135°F
		1	RTU FIXED 100% OA INTAKE CONTROL
		1	RTU2 NO RETURN – 100% OA – MPU
		1	2" MERV 13 FILTERS FOR RTU2 (QTY. 4)
		1	2" MERV 8 FILTERS FOR RTU2 (QTY. 4)
		1	RTU SIZE 2 INTAKE HOOD, SHIPPED LOOSE
		1	VAV PACKAGE W/ 0-10VDC INPUT CONTROL (571 VFD INCLUDED)
		1	LOAD REACTOR MOUNTED IN FAN
		1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT

FAN ACCESSORIES

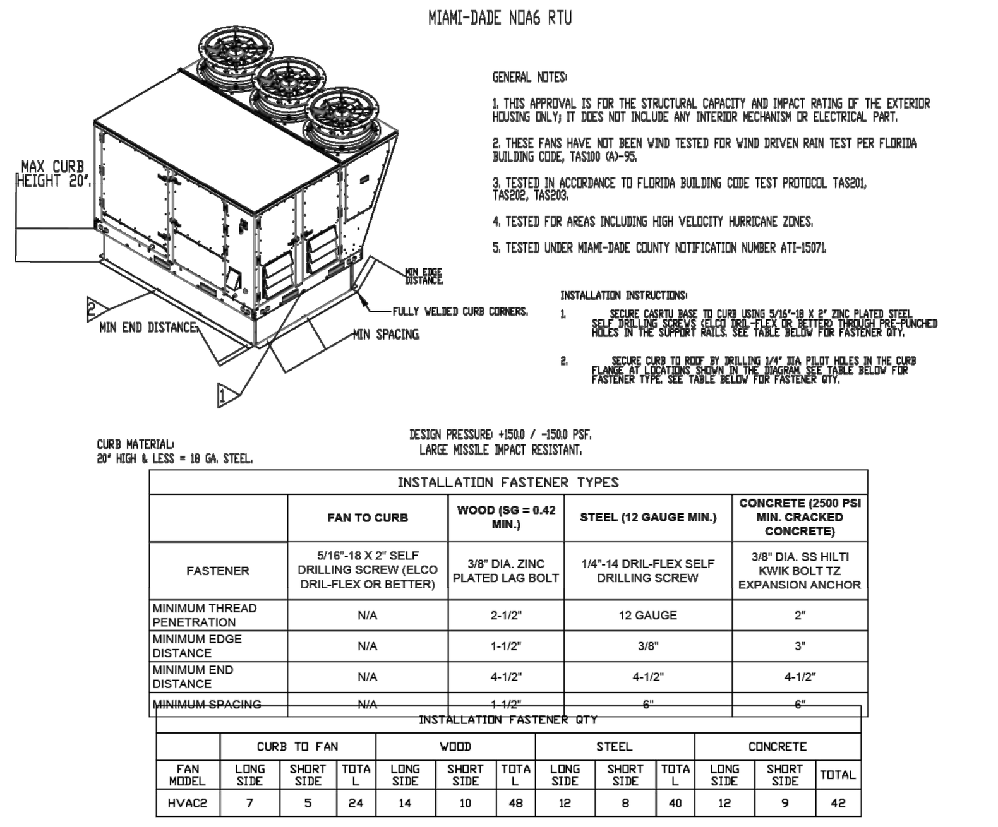
FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	KEF-1	YES						

CURB ASSEMBLIES

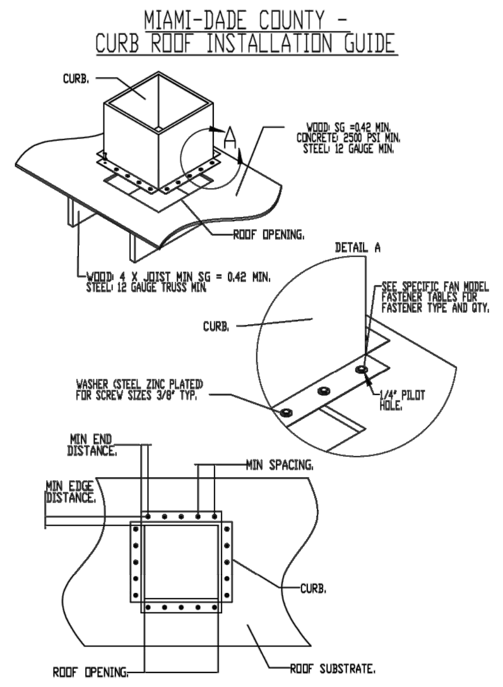
NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-1	90 LBS	CURB	31.500"W X 31.500"L X 26.000"H VENTED 16 GAUGE.
2	# 2	KSF-1 MPU	111 LBS	CURB	49.500"W X 75.000"L X 20.000"H INSULATED.

HMI SCHEDULE				
UNIT NUMBER	HMI #	HMI LOCATION	TEMP AVERAGING	MODBUS ADDRESS
FAN #2	HMI #1 – UNIT	IN UNIT	NOT AVERAGED	55

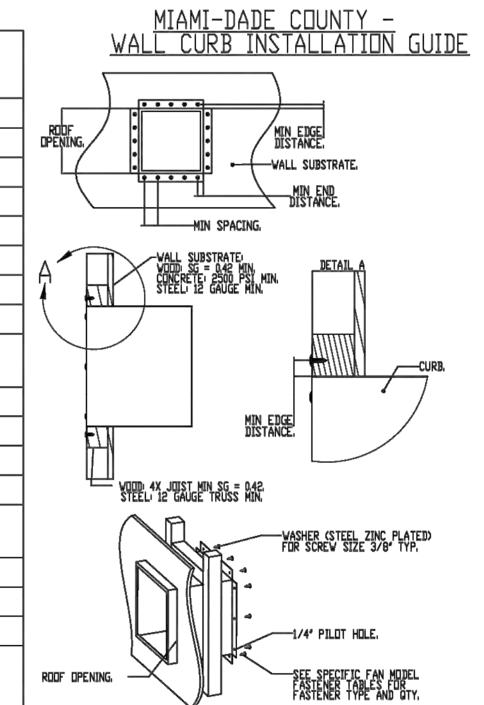
MIAMI-DADE NOA6 RTU



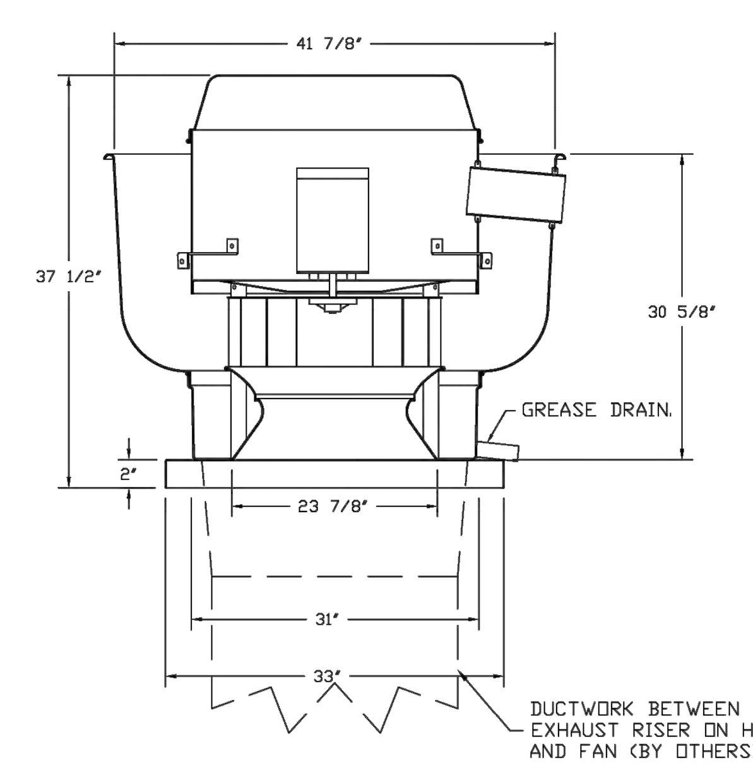
MIAMI-DADE COUNTY – CURB ROOF INSTALLATION GUIDE

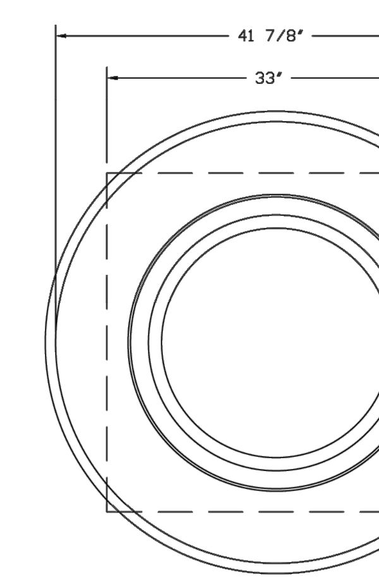


MIAMI-DADE COUNTY – WALL CURB INSTALLATION GUIDE



FAN #1 EADU240H – EXHAUST FAN (KEF-1)





TOP VIEW

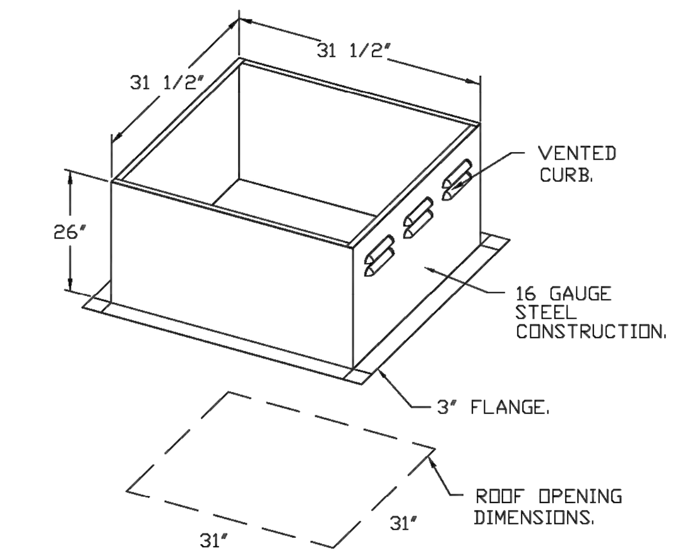
FEATURES:

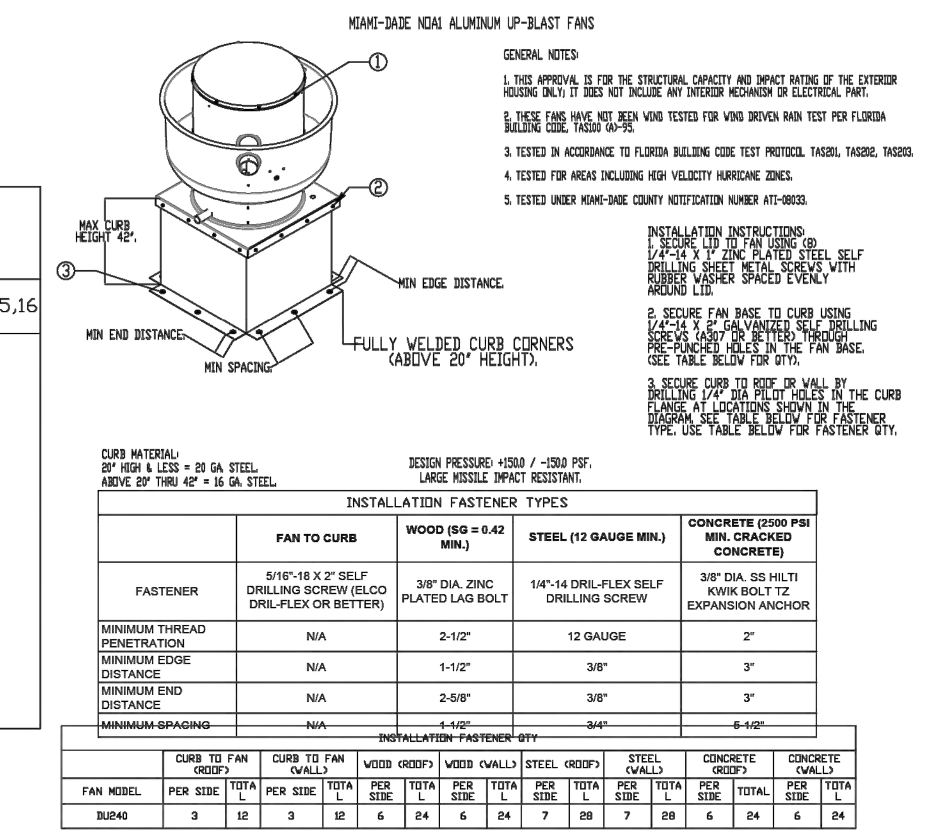
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT 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 600°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/DR240HFA – INSTALLED AT PLANT – FOR GREASE DUCTS.
- MIAMI DADE CERTIFICATION – NOA-1 ALUMINUM UPBLAST.
- HINGE KIT LOCKING EXTENDED (XHDEXT)- SHIPS LOOSE FOR CURB SUPPLIED BY OTHERS.
- LOAD REACTOR MOUNTED IN FAN.
- 2 YEAR PARTS WARRANTY.





REVISIONS	
DESCRIPTION	DATE:
△	
△	
△	
△	

econ·air
www.econair.com
Tampa Mechanical
4519 George Road, Suite 150, Tampa, FL 33634 PHONE: (813) 448 - 7884 FAX: 9192275920 EMAIL: mgl58@econair.com

Paradies – RSW – Key Lime Bistro_101_R1
11000 Terminal Access Road, Concourse "D" – Second Level
Fort Myers, FL, 33913

DATE: 2/11/2025
DWG.#: 7334109
DRAWN BY: jordan.pettiford
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 6

SEAL

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS
1/13/2025 50% AIRPORT REVIEW
2/13/2025 95% SUBMITTAL

HOOD PACKAGE

SHEET NUMBER

M-2.6

WESTSIDE ENGINEERING
WE # 24269
CDA # 32602

200 Galleria Parkway
Suite 1150
Atlanta, GA 30339

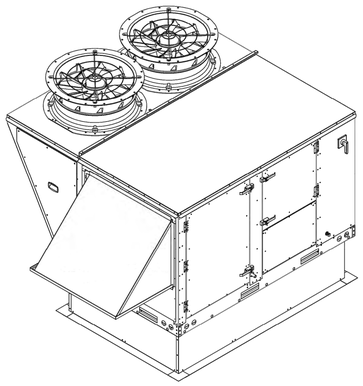
404-965-1287 tel
404-601-9859 fax
cadalinglei@westsideengineering.com

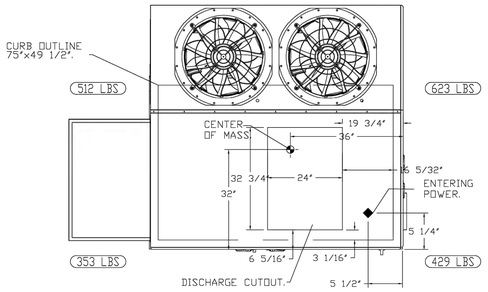
DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

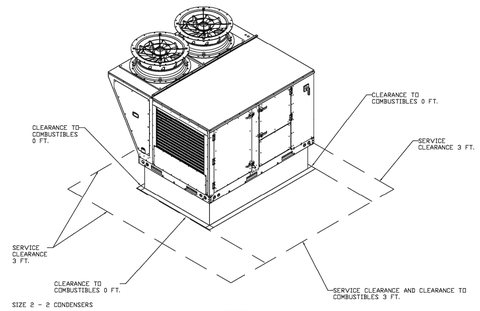
FAN #2 EARTU2-E.154-18MF-10T-MPU - HEATER (KSF-1 MPU)

NOTES:
1. DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
2. ( ) DENOTES CORNER WEIGHT.
3. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.
4. CONNECTION FROM BREAKER TO UNITS SAFETY DISCONNECT SWITCH TO BE COPPER WIRE ONLY.

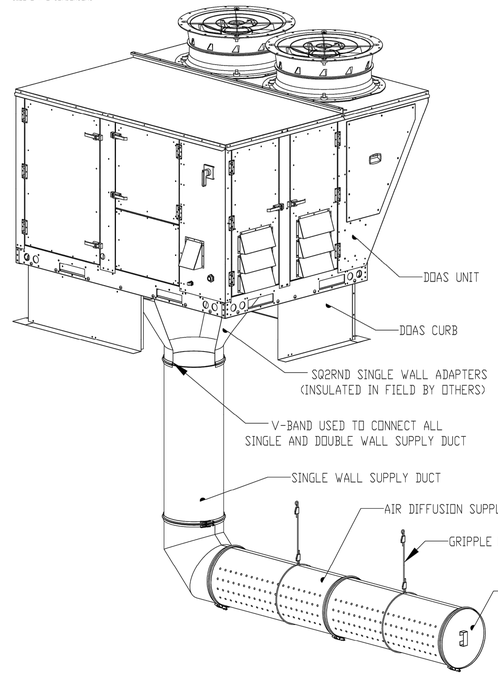
*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.
SUGGESTED STRAIGHT DUCT SIZE IS 24" x 30.25".

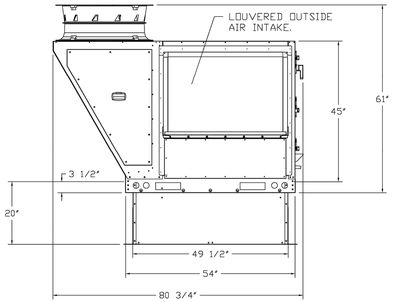


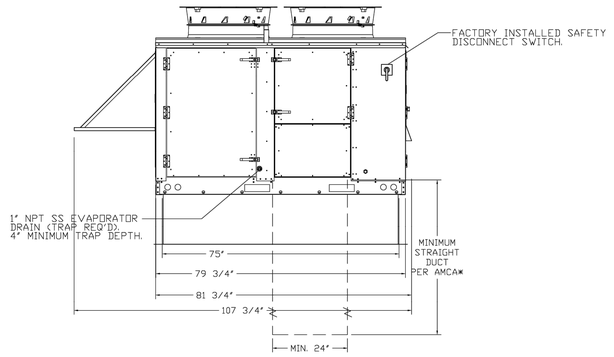


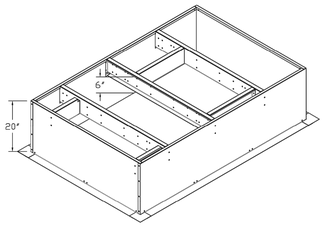


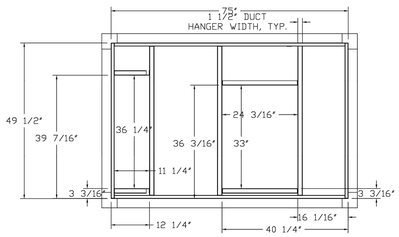
SIZE 2 - 2 CONDENSERS











REVISIONS

	DESCRIPTION	DATE
1		
2		
3		
4		

econ·air
www.econair.com
Tampa Mechanical
4519 George Road, Suite 150, Tampa, FL, 33634 PHONE: (813) 448 - 7884 FAX: 9192276900 EMAIL: mgill@econair.com

Paradies - RSW - Key Lime Bistro_101_R1
11000 Terminal Access Road,Concourse "D" - Second Level
Fort Myers, FL, 33913

DATE: 2/11/2025
DWG.#: 7334109
DRAWN BY: jordanpettiford
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 7

NDS norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
11000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

HOOD PACKAGE

SHEET NUMBER

M-2.7

WESTSIDE ENGINEERING
VE # 24269
CDA # 32602

200 Galleria Parkway
Suite 1150
Atlanta, GA 30339

404-965-1287 tel
404-601-9859 fax
cdaling@westsideengineering.com

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

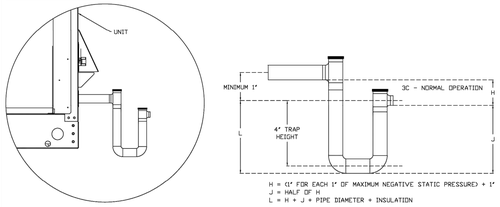
SEAL

AIR DIFFUSION SUPPLY DUCT SPECIFICATIONS:
PROVIDE AIR DIFFUSION SUPPLY DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL DW-S0(HC), DW-S90(HC), & DW-S180(HC).
THREE DISTINCT HOLE PATTERN OPTIONS TO COVER A VARIETY OF CEILING HEIGHTS.
NO ADDITIONAL DIFFUSERS REQUIRED, AS THE DUCT ITSELF PROVIDES AIR DIFFUSION.
MADE OF HIGH QUALITY STAINLESS STEEL DESIGNED TO LAST 20+ YEARS.
HIGH INDUCTION SUPPLY DUCT IS CONSTRUCTED USING 24 GAUGE, 430 SS - 5" THRU 24".
HIGH INDUCTION SUPPLY DUCT IS CONSTRUCTED USING 20 GAUGE, 430 SS - 26" THRU 36".
QUICK ONSITE ASSEMBLY USING EPDM GASKETS & UNIVERSAL V-BANDS.
DOUBLE WALL SUPPLY DUCT AVAILABLE FOR INTERIOR AND EXTERIOR SPACES, EITHER CONDITIONED OR UNCONDITIONED.
DOUBLE WALL SUPPLY DUCT AVAILABLE IN DW-1S, DW-2S, & DW-3S TO MEET SPECIFIC REGIONAL "R" VALUE REQUIREMENTS.

Insulation R-Value Recommendations		
Supply Duct Type	Minimum R-value	Space Type
Single Wall - S & -HC	N/A	Conditioned Space Only
Double Wall - 1S	R-4	Unconditioned Interior Space Only
Double Wall - 2S	R-8	Unconditioned Space Climate Zones 1-4
Double Wall - 3S	R-12	Unconditioned Space Climate Zones 5-8

DOUBLE WALL SUPPLY DUCT IS INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.
AIR DIFFUSION SUPPLY DUCT COMPLIES WITH SMACNA (SHEET METAL AND AIR CONDITIONING CONTRACTORS) BEST PRACTICES.
POSITIONING OF SPRINKLERS TO AVOID OBSTRUCTION TO DISCHARGE, SEE NFPA 13, TABLE 8.12.5.1.1.

RTU CONDENSATE DRAIN TRAP DETAIL



GREASE DUCT & CHIMNEY SPECIFICATIONS:
PROVIDE GREASE DUCT EQUAL TO ECON-AIR MODEL "EDW"
ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "EDW"
IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING
CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "EDW"
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 "EDW" 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 ECON-AIR MODEL "EDW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430
STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

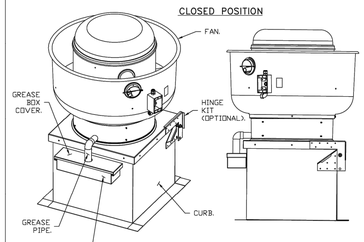
CUSTOMER APPROVAL TO MANUFACTURE:

APPROVED AS NOTED ☐
APPROVED WITH NO EXCEPTION TAKEN ☐
REVISE AND RESUBMIT ☐
SIGNATURE _____
YOUR TITLE _____ DATE _____ _____

GREASEBOX
REV:A2 08/19/02

GREASE BOX INSTALLATION

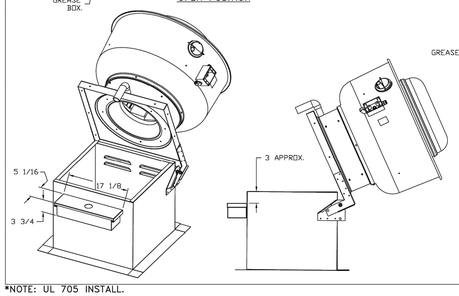
CLOSED POSITION



PARTS INCLUDED
GREASE BOX.
GREASE BOX COVER.
GREASE PIPE.

SHEET METAL SCREWS
3 - LONG (3/4" LG.).

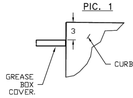
OPEN POSITION



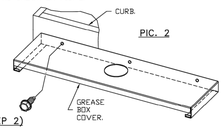
GREASE BOX FIELD INSTALLATION

STEP 1)
ATTACH GREASE BOX COVER TO THE CURB, HOLD 3" DIMENSION AS SHOWN ON PIC. 1. SCREW GREASE BOX COVER TO CURB USING (3) LONG (3/4" LG.) SCREWS AS SHOWN ON PIC. 2.

PIC. 1

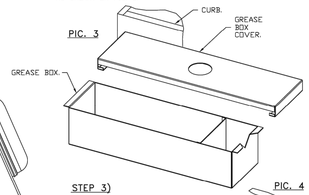


PIC. 2



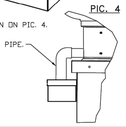
STEP 2)
ATTACH GREASE BOX TO GREASE BOX COVER, SLIDE AND DROP. AS SHOWN ON PIC. 3.

PIC. 3



STEP 3)
INSTALL GREASE PIPE AS SHOWN ON PIC. 4.

PIC. 4



*NOTE: UL 705 INSTALL.

REVISIONS

	DESCRIPTION	DATE
1		
2		
3		
4		

econ·air
www.econair.com
Tampa Mechanical
4519 George Road, Suite 150, Tampa, FL, 33634 PHONE: (813) 448 - 7884 FAX: 9192275920 EMAIL: mgd9@econair.com

Paradies - RSW - Key Lime Bistro_101_R1
11000 Terminal Access Road,Concourse "D" - Second Level
Fort Myers, FL, 33913

DATE: 2/11/2025
DWG.#: 7334109
DRAWN BY: jordonpettiford
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 8

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
11000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

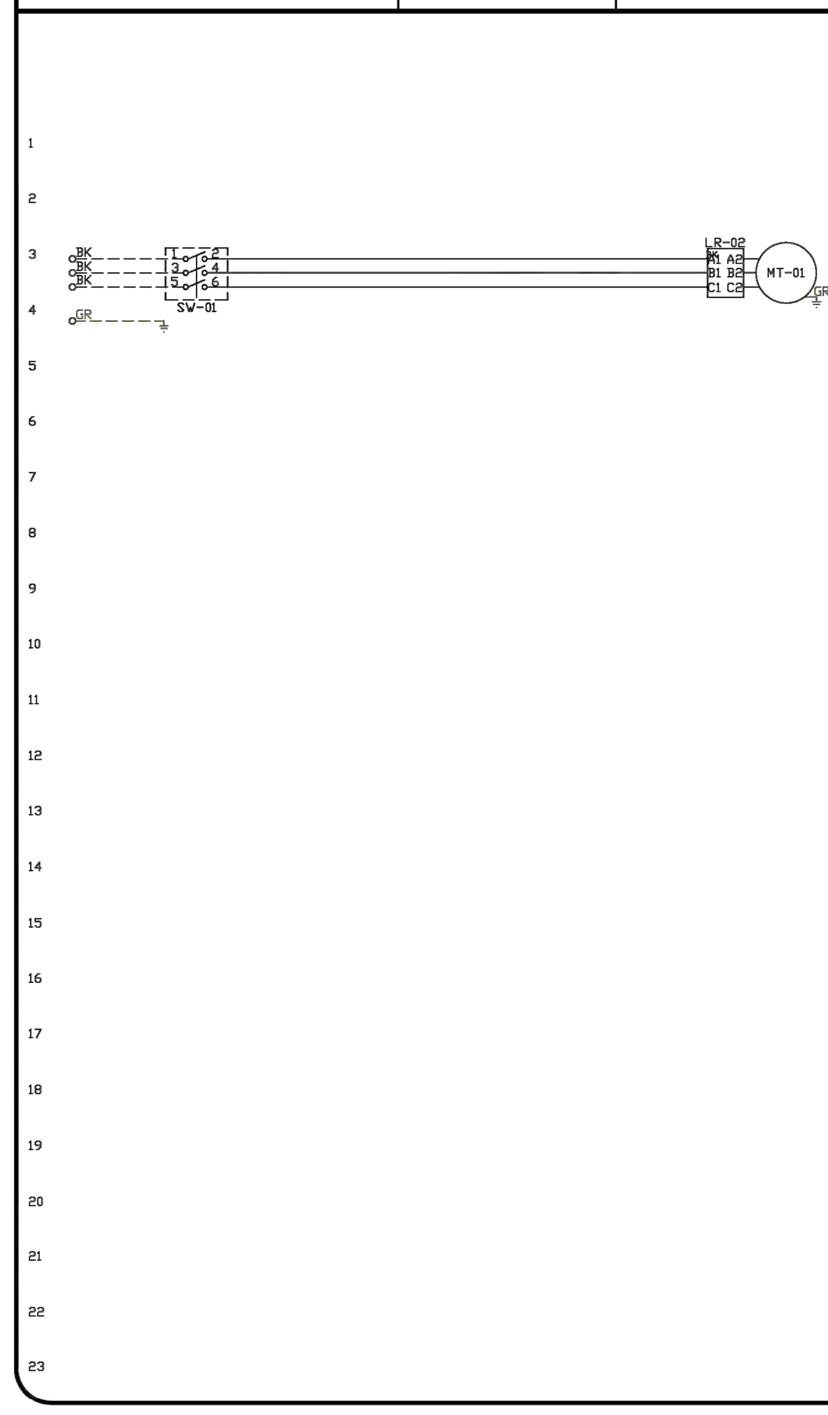
HOOD PACKAGE

SHEET NUMBER

M-2.8

Exhaust Fan Wiring

JOB	7334109 - Paradies - RSW - Key Lime Bis...
DRAWING NUMBER	EXH7334109-1
SHIP DATE	2/11/2025
MODEL	EADU240H



Installed Options

Component Identification

Label	Description	Location
LR-XX	Line/Load Reactor	[3]
MT-01	Fan Motor	[3]
SW-01	Main disconnect switch	[3]

MOTOR INFO

EXHAUST 3.0HP-460V-3P-4.5FLA
VFD PART: ESV222N04TXB571
REACTOR PART: KDRMA8L1

ELECTRICAL INFORMATION

MOTOR/CTRL MCA: 5.7A
MOTOR/CTRL MOP: 15A

NOTES

- - - - - DENOTES FIELD WIRING
——— DENOTES INTERNAL WIRING

WIRE COLOR

BK - BLACK	YW - YELLOW
BL - BLUE	GR - GREEN
BR - BROWN	GY - GRAY
OR - ORANGE	PR - PURPLE
RD - RED	PK - PINK
WH - WHITE	

REVISIONS

	DESCRIPTION	DATE
△		
△		
△		
△		

econ·air
Tampa Mechanical
www.econair.com

4519 George Road, Suite 150, Tampa, FL 33634 PHONE: (813) 448-7884 FAX: 9192275920 EMAIL: ngs88@econair.com

Paradies - RSW - Key Lime Bistro_101_R1
11000 Terminal Access Road,Concourse "D" - Second Level
Fort Myers, FL, 33913

DATE: 2/11/2025
DWG.#: 7334109
DRAWN BY: jordan.pettiford
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 9

WESTSIDE ENGINEERING
WE # 24269
COA # 32602
200 Galleria Parkway
Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

NDS norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEY LIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
11000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

HOOD PACKAGE

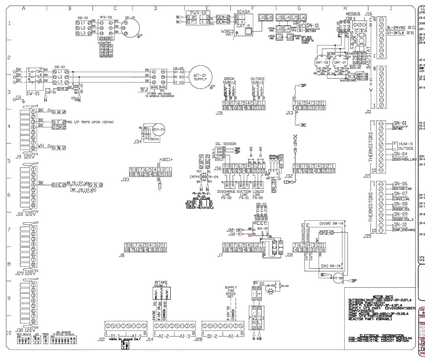
SHEET NUMBER

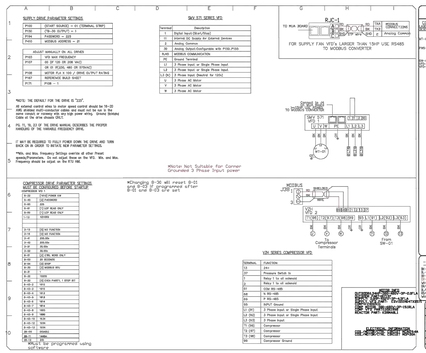
M-2.9

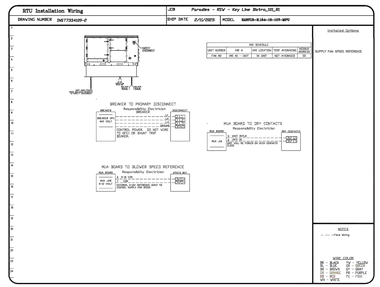
WESTSIDE ENGINEERING
VE # 24269
CDA # 32602

200 Galleria Parkway
Suite 1150
Atlanta, GA 30339

404-965-1287 tel
404-601-9859 fax
cdalings@westsideengineering.com







REVISIONS

DESCRIPTION	DATE

econ·air
www.econair.com
Tampa Mechanical
4519 George Road, Suite 150, Tampa, FL, 33634 PHONE: (813)-448 - 7884 FAX: 9192276920 EMAIL: mg69@econair.com

Parades - RSW - Key Lime Bistro_101_R1
11000 Terminal Access Road,Concourse "D" - Second Level
Fort Myers, FL, 33913

DATE: 2/11/2025
DWG.#: 7334109
DRAWN BY: jordanpettiford
SCALE: 1/2" = 1'-0"
MASTER DRAWING
SHEET NO. 10

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
11000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

HOOD PACKAGE

SHEET NUMBER

M-2.10

W WESTSIDE ENGINEERING
WE # 24269
COA # 32602
200 Galleria Parkway
Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax

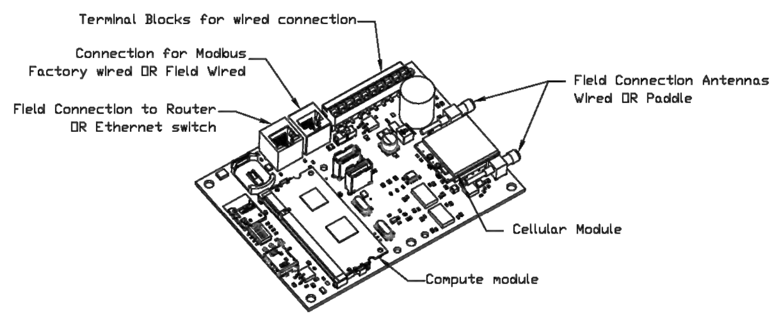
DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

NDS norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

ELECTRICAL PACKAGE – JOB#7334109

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	Φ	HP	VOLT	FLA
1		DCV-1111	WALL UTILITY CABINET RIGHT	WALL UTILITY CAB. ON RIGHT END	1 LIGHT	SMART CONTROLS DCV	KEF-1	EXHAUST	3	3.000	460	4.5
				HOOD # 1	1 FAN		KSF-1 MPU	SUPPLY	3	3.000	460	4.3



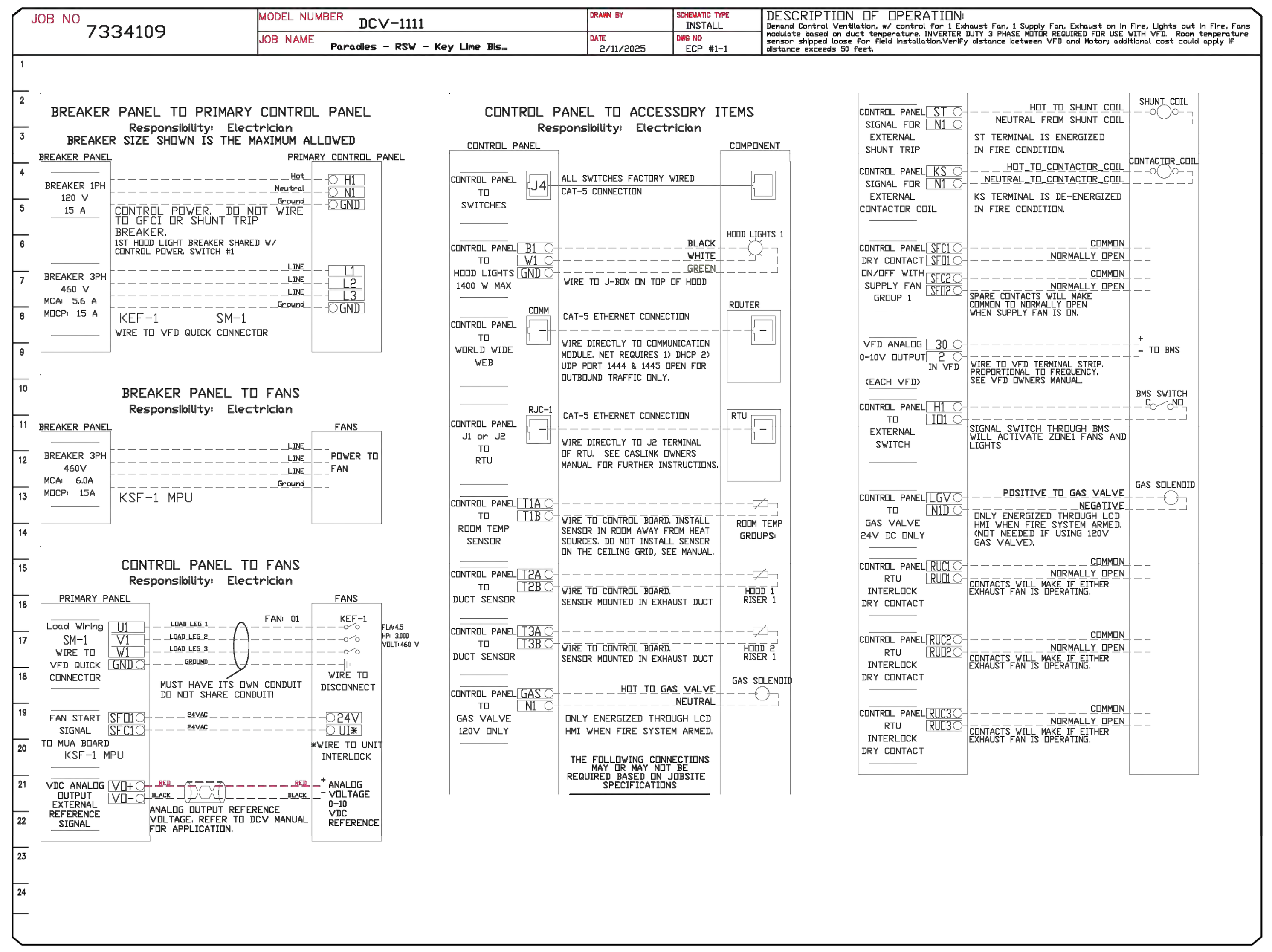
CASlink Monitor and Control

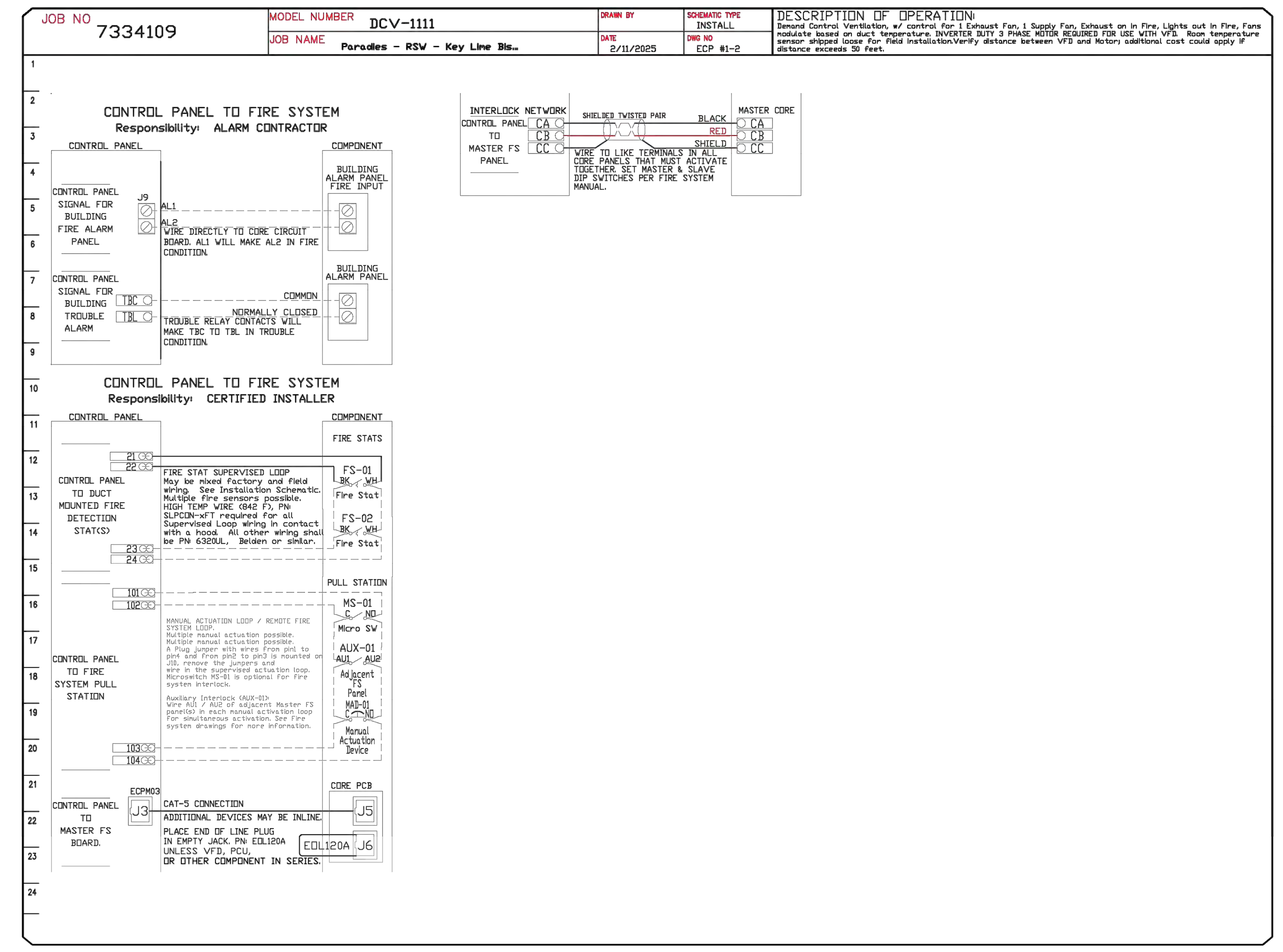
- Hood control panel to support communications to cloud-based Building Management System.
- Hood Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list.
- Hood Control Panel to allow cloud-based Building Management System to 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 Condition	MONITOR
CORE Fire System	MONITOR
Building Pressures	MONITOR
Prep Time Button	MONITOR & CONTROL
Fans Button	MONITOR & CONTROL
Lights Button	MONITOR & CONTROL
Wash Button	MONITOR & CONTROL

SC 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 Condition	MONITOR
CORE Fire System	MONITOR
Building Pressures	MONITOR
Fans Button(s)	MONITOR & CONTROL
Lights Button(s)	MONITOR & CONTROL
Wash Button	MONITOR & CONTROL





JOB NO 7334109 | MODEL NUMBER DCV-1111 | JOB NAME Paradies - RSW - Key Lime Bis... | SCHEMATIC TYPE INSTALL | DATE 2/11/2025 | DWG NO ECP #1-3 | DESCRIPTION OF OPERATION: Fire System #1 TANK FS - 4.0/4.0/4.0.

WALL MOUNT UTILITY CABINET TANK PROTECTION ELECTRICAL DETAIL

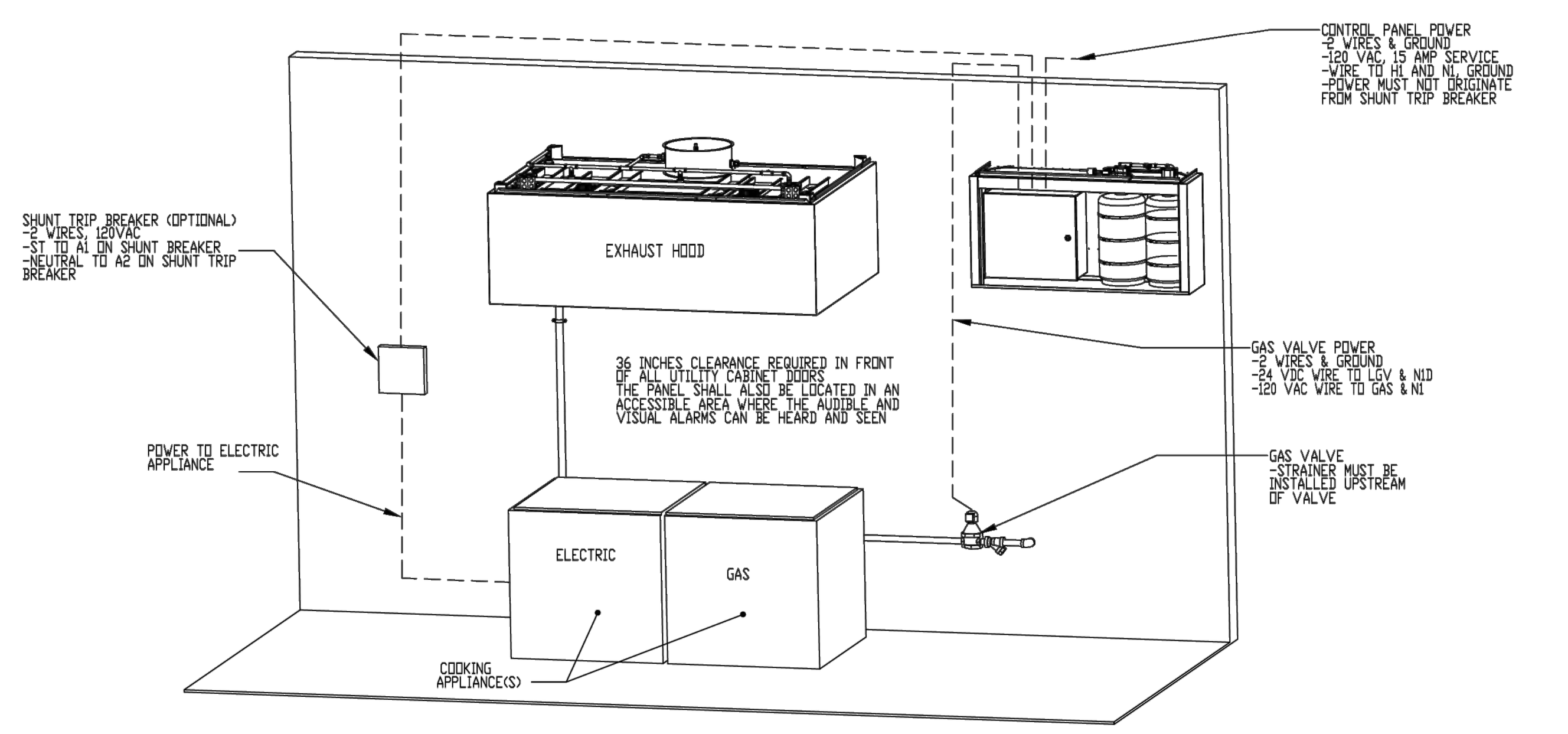
10/01/2023 Rev. 03

FS-1: MASTER

ELECTRICIAN:
1. WIRE MAIN CONTROL PANEL PER INCLUDED SCHEMATIC
2. WIRE ALL FANS PER INCLUDED SCHEMATIC
3. WIRE SHUNT TRIP BREAKER (OPTIONAL)
4. WIRE UDS 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 COIL (A1 & A2)	120 VAC	< 4 AMPS	ST TO A1 ON SHUNT BREAKER COIL, AND NEUTRAL TO A2 ON SHUNT TRIP BREAKER COIL
CONTROL PANEL POWER	H1 & N1 + GROUND	CIRCUIT BREAKER	120 VAC	15 AMPS	CONTROL PANEL POWER MUST NOT BE RUN THROUGH SHUNT TRIP BREAKER
UDS APPLIANCE KILL SWITCH (OPTIONAL)	KTS & N1	KTS & N1	120 VAC	< 4 AMPS	KILL SWITCH TERMINALS MUST BE IN SERIES WITH OTHER KILL SWITCHES
REMOTE 120VAC ANSUL AUTOMAN (OPTIONAL)	AU1, AU2	SOLENOID	120 VAC	< 6 AMPS	120V TO AU1, AU2 TO ANSUL ELECTRIC AUTOMAN, ANSUL SOLENOID TO NEUTRAL
GAS VALVE	LGV & N1D (IF 24 VDC) GAS & N1 (IF 120 VAC)	RED/RED/GREEN	24 VDC OR 120 VAC	< 1.0 AMPS	IF 24 VDC - 2 WIRES & GROUND, N1D TO RED, LGV TO RED, AND GREEN TO GROUND IF 120 VAC - 2 WIRES & GROUND GAS TO RED, N1 TO RED, AND GREEN TO GROUND



NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

JOB NO 7334109 | MODEL NUMBER DCV-1111 | JOB NAME Paradies - RSW - Key Lime Bis... | SCHEMATIC TYPE INSTALL | DATE 2/11/2025 | DWG NO ECP #1-4 | DESCRIPTION OF OPERATION: Fire System #1 TANK FS - 4.0/4.0/4.0.

WALL MOUNT UTILITY CABINET TANK PROTECTION LOW-VOLTAGE DETAIL

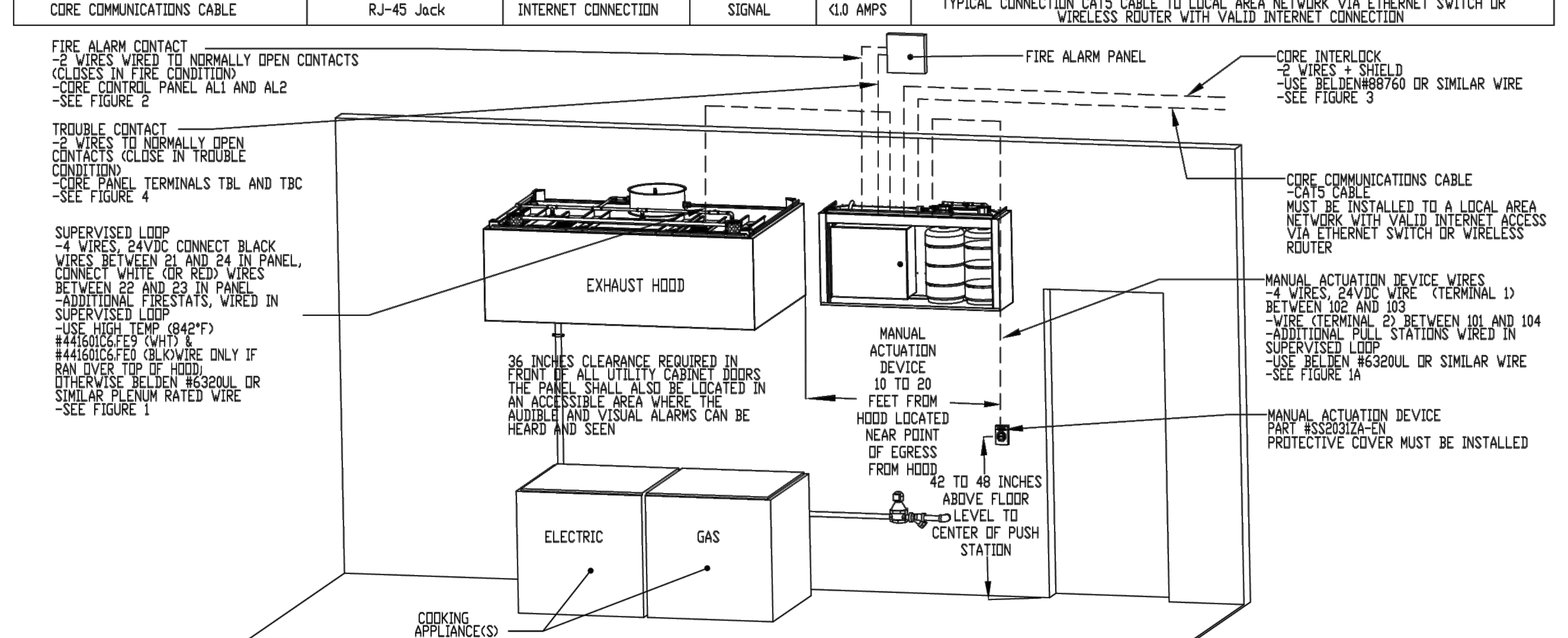
10/01/2023 Rev. 3

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. COMPLETE FINAL HOOKUP OF SYSTEM
3. VERIFY FINAL FIRE SYSTEM TEST

ALARM CONTRACTOR REQUIREMENT

ITEM	CONNECTION IN PANEL	CONNECTION ON DEVICE	VOLTAGE	AMPERAGE	COMMENTS
MANUAL ACTUATION DEVICE(S)	101 AND 104 102 AND 103	1 & 2	24 VDC	< 1.0 AMPS	WIRE MANUAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103 WIRE MANUAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS 101 AND 104 JUMPER 101 TO 104 AND 102 TO 103 IF NO MANUAL ACTUATION DEVICE IS INSTALLED
MANUAL ACTUATION DEVICE COVER	N/A	N/A	N/A	N/A	MANUAL ACTUATION DEVICE COVER MUST BE INSTALLED IF SURFACE MOUNTED, USE COVER EXTENSION STI-6531B
REMOTE FIRESTAT SENSOR(S)	21 AND 24 22 AND 23	BLACK AND WHITE	24 VDC	< 1.0 AMPS	WIRE FIRE SENSOR WHITE WIRES BETWEEN HOOD CORE PANEL TERMINALS 22 AND 23 WIRE FIRE SENSOR BLACK WIRE BETWEEN HOOD CORE PANEL TERMINALS 21 AND 24 HIGH TEMP (842°F) #441601C6.FE9 (WHT) & #441601C6.FE0 (BLK)WIRE OR SIMILAR ONLY IF RAN OF HOOD; OTHERWISE BELDEN #6320UL OR SIMILAR PLENUM RATED WIRE; SEE FIGURE 1
FIRE ALARM CONTACT	AL1, AL2	VARIES	50V 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 (1) CA, TO CORE SYSTEM (2) CA. CORE SYSTEM (1) CB, TO CORE SYSTEM (2) CB. CORE SYSTEM (1) CC, TO CORE SYSTEM (2) CC. USE BELDEN# 88760 OR SIMILAR WIRE
TROUBLE CONTACT	TBC, TBL, TOK	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	<1.0 AMPS	TYPICAL CONNECTION CAT5 CABLE TO LOCAL AREA NETWORK VIA ETHERNET SWITCH OR WIRELESS ROUTER WITH VALID INTERNET CONNECTION



ATTENTION: LOW-VOLTAGE DC OR 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:
△		
△		
△		
△		

econ·air
Tampa Mechanical
www.econair.com
4519 George Road, Suite 150, Tampa, FL 33634 PHONE: (813) 448 - 7684 FAX: 9192275920 EMAIL: regi88@econair.com

Paradies - RSW - Key Lime Bistro_101_R1
11000 Terminal Access Road, Concourse "D" - Second Level
Fort Myers, FL, 33913

DATE: 2/11/2025
DWG.#: 7334109
DRAWN BY: jordan.pettiford
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 11

SEAL

KEY LIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

HOOD PACKAGE

SHEET NUMBER

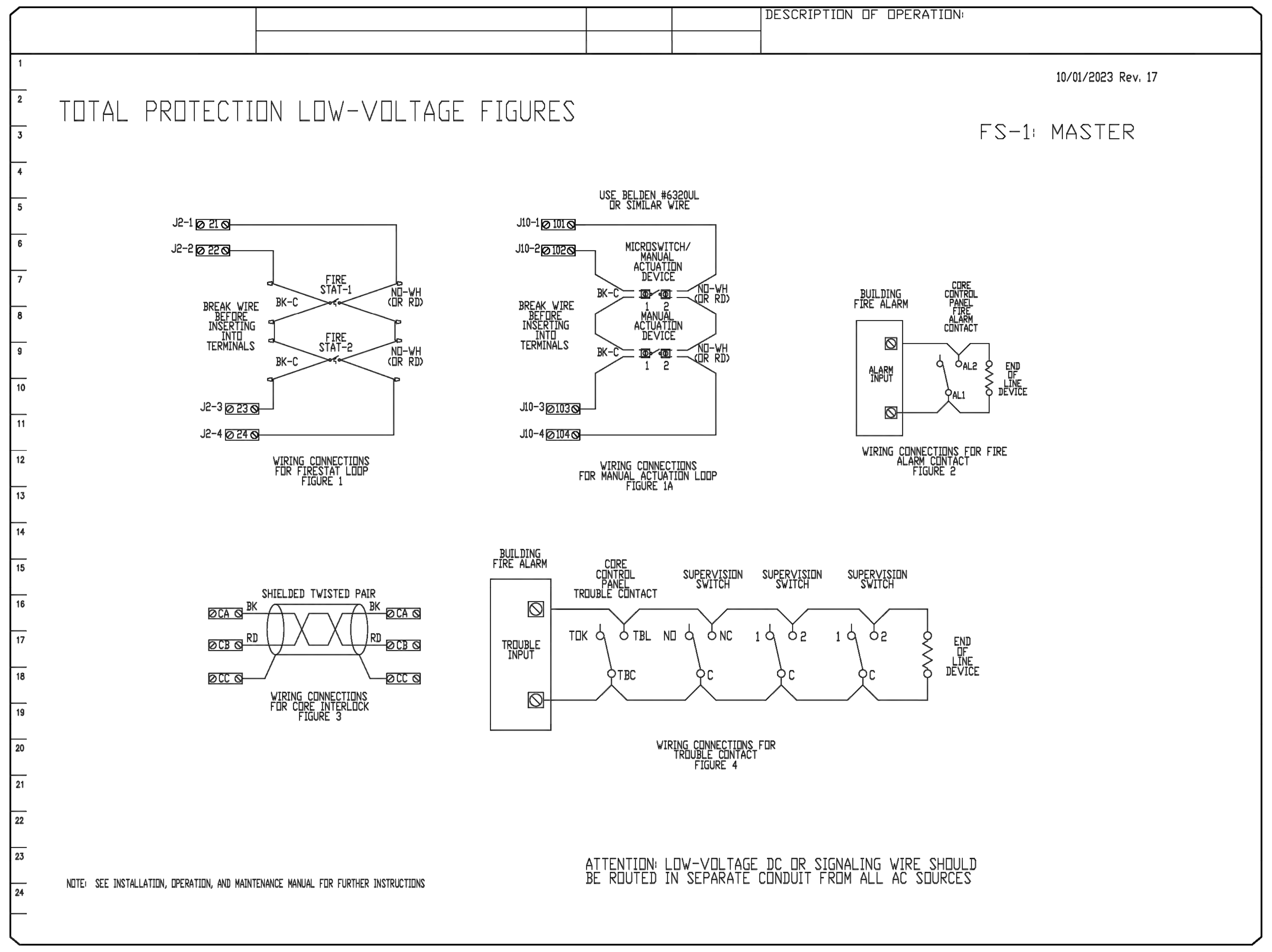
M-2.11

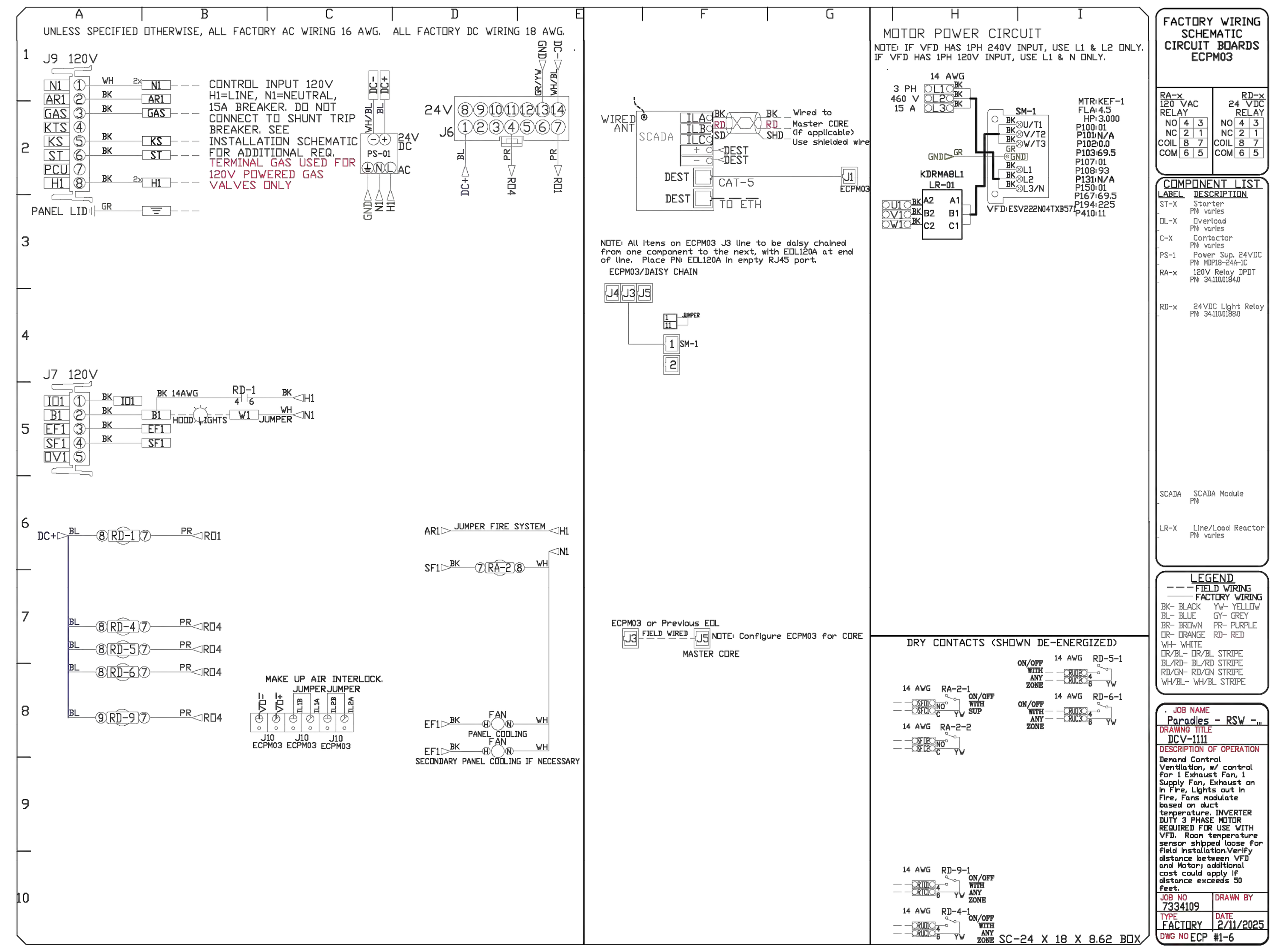
WESTSIDE ENGINEERING
WE # 24269
COA # 32602
200 Galleria Parkway
Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax

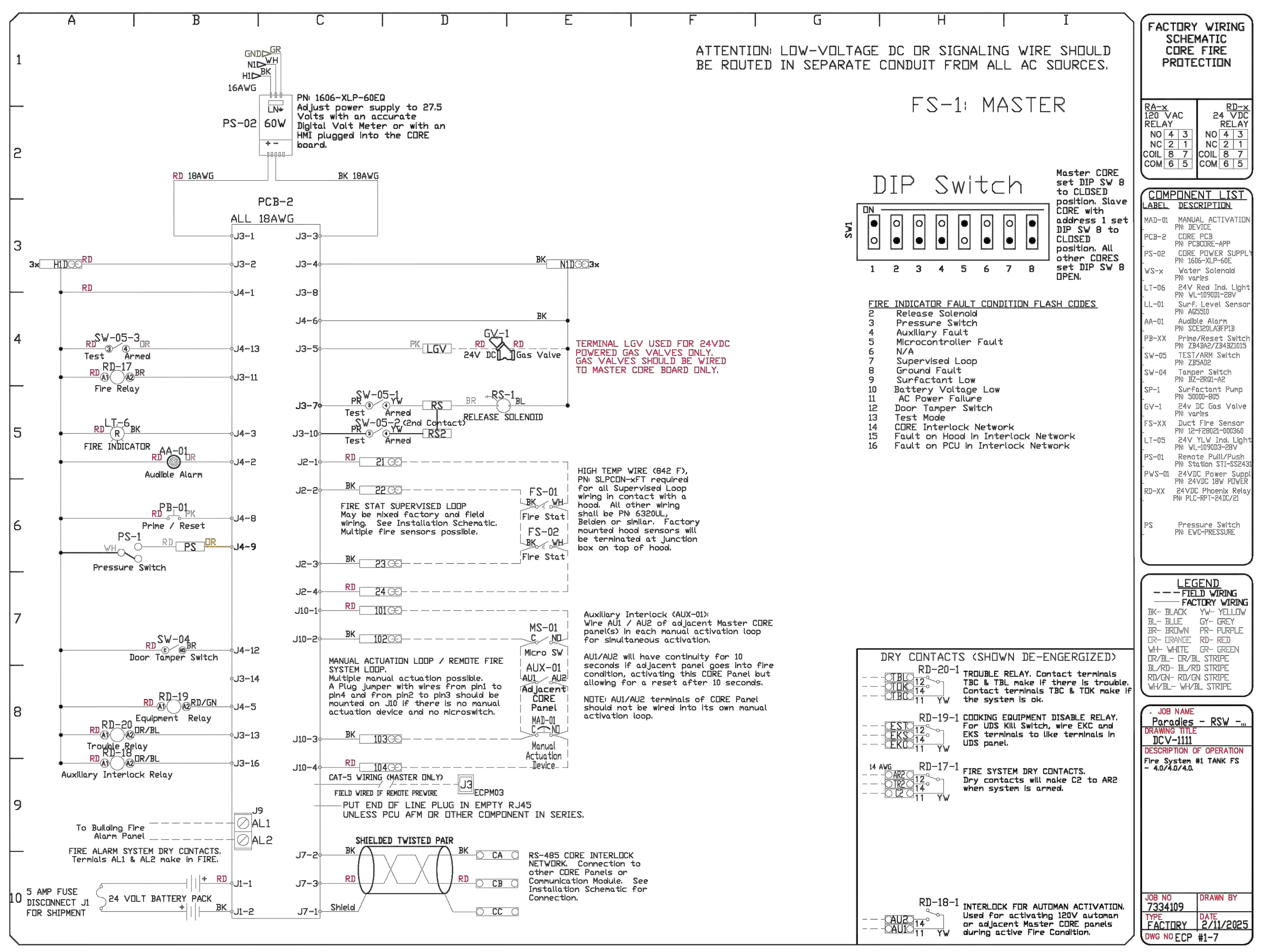
DATE:	10/07/2024
JOB NO:	414
DRAWN:	STAFF
CHECKED:	TMM

NDS norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188







econ·air
Tampa Mechanical
www.econair.com
4519 George Road, Suite 150, Tampa, FL 33634 PHONE: (813) 448-7884 FAX: 9182276920 EMAIL: regfl@econair.com

REVISIONS

Paradies - RSW - Key Lime Bistro_101_R1
11000 Terminal Access Road,Concourse 'D' - Second Level
Fort Myers, FL, 33913

DATE: 2/11/2025
DWG.#: 7334109
DRAWN BY: jordanpettiford
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 12

SEAL

KEY LIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

HOOD PACKAGE

SHEET NUMBER

M-2.12

WESTSIDE ENGINEERING
VE # 24269
CDA # 32602

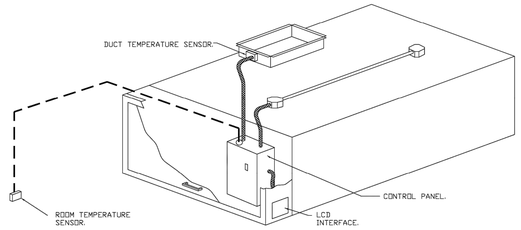
200 Galleria Parkway
Suite 1150
Atlanta, GA 30339

404-965-1287 tel
404-601-9859 fax
cdaling@westsideengineering.com

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

DEMAND CONTROL VENTILATION HOOD CONTROL PANEL SPECIFICATIONS:

- CONTROLS SHALL BE LISTED BY ETL (UL 508A) AND SHALL COMPLY WITH DEMAND VENTILATION SYSTEM TURNDOWN REQUIREMENTS OUTLINED IN IECC 403.7.5 (2021).
- THE CONTROL ENCLOSURE SHALL BE NEMA 1 RATED AND LISTED FOR INSTALLATION INSIDE OF THE EXHAUST HOOD UTILITY CABINET. THE CONTROL ENCLOSURE MAY BE CONSTRUCTED OF STAINLESS STEEL OR PAINTED STEEL.
- TEMPERATURE PROBE(S) LOCATED IN THE EXHAUST DUCT RISER(S) SHALL BE CONSTRUCTED OF STAINLESS STEEL.
- A DIGITAL CONTROLLER SHALL BE PROVIDED TO ACTIVATE THE HOOD EXHAUST FANS DYNAMICALLY BASED ON A FIXED DIFFERENTIAL BETWEEN THE AMBIENT AND DUCT TEMPERATURES SENSORS. THIS FUNCTION SHALL MEET THE REQUIREMENTS OF IMC 507.1.1.
- A DIGITAL CONTROLLER SHALL PROVIDE ADJUSTABLE HYSTERESIS SETTINGS TO PREVENT CYCLING OF THE FANS AFTER THE COOKING APPLIANCES HAVE BEEN TURNED OFF AND/OR THE HEAT IN THE EXHAUST SYSTEM IS REDUCED.
- A DIGITAL CONTROLLER SHALL PROVIDE AN ADJUSTABLE MINIMUM FAN RUN-TIME SETTING TO PREVENT FAN CYCLING.
- VARIABLE FREQUENCY DRIVES (VFDS) SHALL BE PROVIDED FOR FANS AS REQUIRED. THE DIGITAL CONTROLLER SHALL MODULATE THE VFDS BETWEEN A MINIMUM SETPOINT AND A MAXIMUM SETPOINT ON DEMAND. THE DUCT TEMPERATURE SENSOR INPUT(S) TO THE DIGITAL CONTROLLER SHALL BE USED TO CALCULATE THE SPEED REFERENCE SIGNAL.
- THE VFD SPEED RANGE OF OPERATION SHALL BE FROM 0% TO 100% FOR THE SYSTEM, WITH THE ACTUAL MINIMUM SPEED SET AS REQUIRED TO MEET MINIMUM VENTILATION REQUIREMENTS.
- AN INTERNAL ALGORITHM TO THE DIGITAL CONTROLLER SHALL MODULATE SUPPLY FAN VFD SPEED PROPORTIONAL TO ALL EXHAUST FANS THAT ARE LOCATED IN THE SAME FAN GROUP AS THE SUPPLY FAN.
- THE SYSTEM SHALL OPERATE IN PREP MODE DURING LIGHT COOKING LOAD OR COOL DOWN MODE WHEN SUFFICIENT HEAT REMAINS UNDERNEATH THE HOOD SYSTEM AFTER COOKING OPERATIONS HAVE COMPLETED. OPERATION DURING EITHER OF THESE PERIODS WILL DISABLE THE SUPPLY FANS AND PROVIDE AN EXHAUST FAN SPEED THAT IS EQUAL TO THE MINIMUM VENTILATION REQUIREMENT.
- A DIGITAL CONTROLLER SHALL DISABLE THE SUPPLY FAN(S), ACTIVATE THE EXHAUST FAN(S), ACTIVATE THE APPLIANCE SHUNT TRIP, AND DISABLE AN ELECTRIC GAS VALVE AUTOMATICALLY WHEN FIRE CONDITION IS DETECTED ON A COVERED HOOD.
- A DIGITAL CONTROLLER SHALL ALLOW FOR EXTERNAL BMS FAN CONTROL VIA DRY CONTACT (EXTERNAL CONTROL SHALL NOT OVERRIDE FAN OPERATION LOGIC AS REQUIRED BY CODE).
- AN LCD INTERFACE SHALL BE PROVIDED WITH THE FOLLOWING FEATURES:
  - A. ON/OFF PUSH BUTTON FAN & LIGHT SWITCH ACTIVATION.
  - B. INTEGRATED GAS VALVE RESET FOR ELECTRONIC GAS VALVES (NO RESET RELAY REQUIRED).
  - C. VFD FAULT DISPLAY WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  - D. DUCT TEMPERATURE SENSOR FAILURE DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  - E. MIS-WIRED DUCT TEMPERATURE SENSOR DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  - F. A SINGLE LOW VOLTAGE CAT-5 RJ45 WIRING CONNECTION.
  - G. AN ENERGY SAVINGS INDICATOR THAT UTILIZES MEASURED KWH FROM THE VFDS.



TYPICAL HOOD CONTROL PANEL INSTALLATION

SEQUENCE OF OPERATIONS:

THE HOOD CONTROL PANEL IS CAPABLE OF OPERATING IN ONE OR MORE OF THE FOLLOWING STATES AT ANY GIVEN TIME:

- AUTOMATIC: THE SYSTEM OPERATES BASED ON THE DIFFERENTIAL BETWEEN ROOM TEMPERATURE AND THE TEMPERATURE AT THE HOOD CAVITY OR EXHAUST DUCT COLLAR. FANS ACTIVATE AT A CONFIGURABLE TEMPERATURE DIFFERENTIAL THRESHOLD. DEPENDING ON THE JOB CONFIGURATION EACH FAN ZONE CAN BE CONFIGURED AS STATIC OR DYNAMIC. THESE TERMS REFER TO WHETHER A VARIABLE MOTOR (SUCH AS EC MOTORS OR VFD DRIVEN MOTORS) MODULATE WITH TEMPERATURE. IF THE PANEL IS EQUIPPED WITH VARIABLE SPEED FANS AND THE ZONE IS DEFINED AS 'DYNAMIC', THESE WILL MODULATE WITHIN A USER-DEFINED RANGE BASED ON THE TEMPERATURE DIFFERENTIAL. PANELS EQUIPPED WITH VARIABLE SPEED FANS AND A FAN ZONE DEFINED AS 'STATIC', FANS WILL RUN AT A SET SPEED CALCULATED FOR THE DRIVE. DEMAND CONTROL VENTILATION SYSTEMS ARE CAPABLE OF MODULATING EXHAUST AND MAKE UP AIR FAN SPEEDS PER THE REQUIREMENTS OUTLINED IN IECC 403.7.5 (2021).
- MANUAL: THE SYSTEM OPERATES BASED ON HUMAN INPUT FROM AN HMI.
- SCHEDULE: A WEEKLY SCHEDULE CAN BE SET TO RUN FANS FOR A SPECIFIED PERIOD THROUGHOUT THE DAY. THERE ARE THREE OCCUPIED TIMES PER DAY TO ALLOW FOR THE USER TO SET UP A TIME THAT IS SUITABLE TO THEIR NEEDS. ANY TIME THAT IS WITHIN THE DEFINED OCCUPIED TIME, THE SYSTEM WILL RUN AT MODULATION MODE AND FOLLOW THE FAN PROCEDURE ALGORITHM BASED ON TEMPERATURE DURING THIS TIME. DURING UNOCCUPIED TIME, THE SYSTEM WILL HAVE AN EXTRA OFFSET TO PREVENT UNINTENDED ACTIVATION OF THE SYSTEM DURING A TIME WHERE THE SYSTEM IS NOT BEING OCCUPIED.
- OTHER: THE SYSTEM OPERATES BASED ON THE INPUT FROM AN EXTERNAL SOURCE (DDC, BMS OR HARD-WIRED INTERLOCK).
- FIRE: UPON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM, THE EXHAUST FAN WILL COME ON OR CONTINUE TO TO RUN, THE HOOD MAKEUP AIR WILL SHUTDOWN, AND A SIGNAL WILL BE SENT FOR ACTIVATING THE SHUNT TRIP BREAKER PROVIDED BY THE ELECTRICIAN. FUEL GAS WILL SHUT OFF VIA A MECHANICAL/ELECTRICAL GAS VALVE ACTUATED BY THE HOOD FIRE SUPPRESSION SYSTEM.

REVISIONS

DESCRIPTION	DATE

econ.air
www.econair.com
Tampa Mechanical
4519 George Road, Suite 150, Tampa, FL 33634 PHONE: (813) 448 - 7684 FAX: 9192276920 EMAIL: rag58@econair.com

Parades - RSW - Key Lime Bistro_101_R1
11000 Terminal Access Road,Concourse "D" - Second Level
Fort Myers, FL, 33913

DATE: 2/11/2025
DWG.#: 7334109
DRAWN BY: jordanpettiford
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 13

www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEY LIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
11000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

HOOD PACKAGE

SHEET NUMBER

M-2.13

WESTSIDE ENGINEERING
VE # 24269
CDA # 32602

200 Galleria Parkway
Suite 1150
Atlanta, GA 30339

404-965-1287 tel
404-601-9859 fax
cdsalinge@westsideengineering.com

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		
2		
3		
4		

econ·air
www.econair.com
Tampa Mechanical
4519 George Road, Suite 160, Tampa, FL 33634 PHONE: (813) 448 - 7884 FAX: 8192275920 EMAIL: mgill@econair.com

Parrades - RSW - Key Lime Bistro_101_R1
11000 Terminal Access Road,Concourse "D" - Second Level
Fort Myers, FL, 33913

DATE: 2/11/2025
DWG.#: 7334109
DRAWN BY: jordanpettiford
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 14

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

NDS normsdesignstudio
www.normsdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
11000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

HOOD PACKAGE

SHEET NUMBER

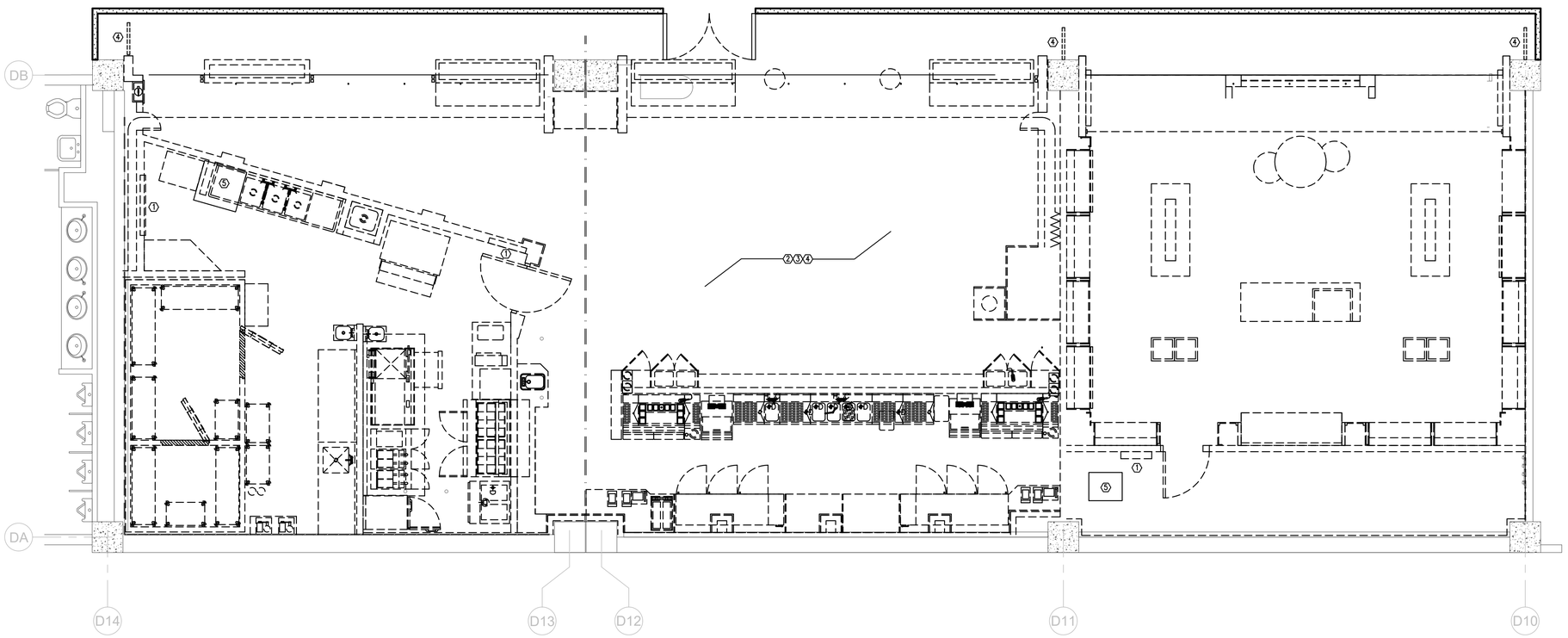
M-2.14

KEYNOTES:

1. EXISTING ELECTRICAL PANEL/S TO BE REMOVED.
2. G.C. TO REMOVE ALL EXISTING CEILING LIGHTING ELEMENTS.
3. ALL EXISTING FLOOR PENETRATIONS TO BE REPAIRED PER DETAIL B/A-1. ALL PIPING AND ELECTRICAL CONDUIT TO BE REMOVED BACK TO SOURCE AND CAPPED IF NOT REUSED OR SERVING OTHER TENANT SPACES.
4. DURING DEMOLITION AND CONSTRUCTION, PROTECT ALL EXISTING DATA, SECURITY, ALARM LINES, AND/OR DEVICES, SPEAKERS, SPRINKLERS, EQUIPMENT, AND PORTS, ETC.
4. EXISTING BLADE SIGN TO BE REMOVED. PATCH/REPAIR DRYWALL ON COLUMN. PAINT WITH AIRPORT STD. PAINT.
5. EXISTING TRANSFORMER TO BE DEMOLISHED.

GENERAL ELECTRICAL DEMOLITION NOTES

1. ELECTRICAL CONTRACTOR SHALL REMOVE DEVICES ON WALLS TO BE REMOVED AND AS DIRECTED BY ARCHITECT.
2. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED WIRING, CONDUIT, SURFACE RACEWAY, ETC. FOR DEVICES/LOADS BEING REMOVED. ITEMS REMOVED SHALL BECOME PROPERTY OF THE ELECTRICAL CONTRACTOR (UON) AND SHALL BE REMOVED FROM THE SITE. ITEMS REMOVED SHALL NOT BE STORED AT THE SITE. UNDER NO CONDITIONS SHALL ITEMS REMOVED BE USED IN THE NEW CONSTRUCTION.
3. ELECTRICAL CONTRACTOR SHALL VISIT AND EXAMINE THE SITE PRIOR TO CONSTRUCTION TO ASCERTAIN THE EXISTING CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
4. IT SHALL BE THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO PROTECT AND RETAIN POWER TO ALL EXISTING ACTIVE EQUIPMENT TO REMAIN. THIS INCLUDES RE-ROUTING OF EXISTING CIRCUITING EFFECTED BY DEMOLITION.
5. ALL REMOVED COMPUTER EQUIPMENT SHALL BE TURNED OVER TO OWNER UNLESS DIRECTED TO DO OTHERWISE.
6. SEE MECHANICAL DRAWING FOR HEATERS, EXHAUST FANS, ETC., WHICH MUST BE DISCONNECTED BY THE ELECTRICAL CONTRACTOR FOR REMOVAL OR ABANDONMENT BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL REMOVE ALL STARTERS, DISCONNECT SWITCHES AND ASSOCIATED CONDUIT AND WIRING.
7. REMOVE ALL CONDUIT, WIRE, BOXES AND FASTENING DEVICES AS REQUIRED TO AVOID ANY INTERFERENCE WITH NEW INSTALLATION.
8. CONDUITS MAY BE ABANDONED IN FLOOR AND WALLS ONLY. ELECTRICAL CONTRACTOR SHALL REMOVE ALL WIRING FROM ABANDONED CONDUITS, DISCONNECT FROM ALL POWER SOURCES AND PROVIDE BLANK PLATES ON ALL ABANDONED OUTLETS. CUT OFF ABANDONED CONDUITS 1" BELOW FINISHED FLOOR AND GROUT FLUSH. ABANDONED CONDUIT SHALL BE CAPPED AT BOTH ENDS.
9. ELECTRICAL CONTRACTOR SHALL TRACE ALL CIRCUITS IN EXISTING PANELS TO REMAIN AFFECTED BY DEMOLITION. TURN OFF AND TAG ALL UNUSED CIRCUIT BREAKERS AS AND LABEL AS "SPARE" AND TIGHTEN ALL CONNECTIONS. PROVIDE NEW TYPED DIRECTORY WITH DATE, PROTECTED BY PLASTIC AND PLACE IN COVER OF PANELS CONSISTENT WITH NEW CONSTRUCTION.
10. ANY ELECTRICAL OUTAGES REQUIRED BY THE WORK SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE AND CONFIRMED IN WRITING. ANY OUTAGE SHALL NOT BE SCHEDULED DURING NORMAL BUSINESS HOURS OR DURING FACILITY FUNCTIONS AND ALL COSTS FOR OVERTIME SHALL BE INCLUDED IN THE BID.
11. EXISTING LIGHTING FIXTURE BALLASTS AND FLUORESCENT LAMPS MAY CONTAIN PCB'S. DISPOSE OF BALLASTS AND LAMPS IN ACCORDANCE WITH EPA.
12. HOLES LEFT BY REMOVAL OF ELECTRICAL DEVICES, PANELS, ETC. SHALL BE PATCHED IN EXISTING WALLS TO REMAIN. REFER TO ARCHITECTURAL DRAWINGS.



ELECTRICAL PLAN - DEMOLITION | 1/4" = 1' - 0" | 2

WESTSIDE ENGINEERING
VE # 24269
CDA # 32602

200 Galleria Parkway
Suite 1150
Atlanta, GA 30339

404-965-1287 tel
404-601-9859 fax
cadalinglab@westsideengineering.com

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

SEAL

KEY LIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

ELECTRICAL PLAN - DEMOLITION

SHEET NUMBER

ED-1

ELECTRICAL KITCHEN CONNECTION SCHEDULE

EQPT. NO.	EQUIPMENT	CIRCUITS	CONDUCTOR	ELECTRICAL DATA		CONNECTION TYPE	MOUNTING HEIGHT AFF (IN)
				VOLTS/PH.	F.L.A.		
UDSH	UTILITY WALL UDS	HKLB1-2,4,6	TBD	480/3		DIRECT	
UDSL	UTILITY WALL UDS	KLB1-78,80,82	TBD	208/3		DIRECT	
100	WALK-IN COOLER	KLB1-61	2#12,1#12G,1/2"C.	120/1	1.0	DIRECT	DFA
100A	WALK-IN COOLER EVAPORATOR	KLB1-63	2#12,1#12G,1/2"C.	120/1	0.9	DIRECT	DFA
100B	WALK-IN COOLER CONDENSER	KLB1-65,67	2#12,1#12G,1/2"C.	208/1	15.0	DIRECT	DFA
101	WALK-IN FREEZER	KLB1-2	2#12,1#12G,1/2"C.	120/1	2.2	DIRECT	DFA
101A	WALK-IN FREEZER EVAPORATOR	KLB1-4,6	2#12,1#12G,1/2"C.	208/1	0.5	DIRECT	DFA
101B	WALK-IN FREEZER CONDENSER	KLB1-8,10	2#10,1#10G.,3/4"C.	208/1	21.0	DIRECT	DFA
109	BAG-N-BOX RACK	KLB1-69	2#12,1#12G,1/2"C.	120/1	15.0	NEMA 5-15	72"
205	ICE MAKER W/BIN	KLB1-71,73	2#12,1#12G,1/2"C.	208/1	15.0	DIRECT	72"
300	EXHAUST HOOD	KLB1-12	2#12,1#12G,1/2"C.	120/1	15.0	DIRECT	DFA
300A	FIRE SUPPRESSION SYSTEM	KLB1-14	2#12,1#12G,1/2"C.	120/1	15.0	DIRECT	DFA
303	INDUCTION RANGE	SEE NOTE 4	3#1,1#6G,1 1/2"C	208/3	82.2	DIRECT	24"
305	GRIDDLE	SEE NOTE 4	3#6,1#10G,1"C	208/3	33.5	DIRECT	24"
305A	CHEESE MELTER	SEE NOTE 4	2#6,1#10G,1"C	208/1	34.0	DIRECT	24"
306	CHEF BASE FREEZER	SEE NOTE 4	2#12,1#12G,1/2"C.	120/1	5.5	NEMA 5-15	24"
307	FRYER	SEE NOTE 4	3#8,1#10G,1"C	480/3	27.0	DIRECT	24"
307	FRYER	SEE NOTE 4	3#8,1#10G,1"C	480/3	27.0	DIRECT	24"
307A	FRYER CONTROLS	SEE NOTE 4	2#12,1#12G,1/2"C.	120/1	(2)6.8	CORD&PLUG	24"
308	COMBI OVEN	SEE NOTE 4	3#12,1#12G,1/2"C.	(2)480/3	(2)13.1	(2)DIRECT	(1)24",(1)48"
313	MEGA TOP UNIT	KLB1-77	2#12,1#12G,1/2"C.	120/1	3.8	NEMA 5-15	24"
315	WORKTOP FREEZER	KLB1-38	2#12,1#12G,1/2"C.	120/1	4.5	NEMA 5-15	24"
317	HEAT LAMP	KLB1-40	2#12,1#12G,1/2"C.	120/1	6.7	NEMA 5-15	44"
318	SANDWICH/SALAD UNIT	KLB1-42	2#12,1#12G,1/2"C.	120/1	8.9	NEMA 5-15	24"
404	WAREWASHER, H/T VENTLESS	KLB1-58,60,62	3#8,1#10G-3/4"C	208/3	29.7	DIRECT	24"
502	DROP-IN SODA DISPENSER	KLB1-75	2#12,1#12G,1/2"C.	120/1	1.5	CORD&PLUG	18"
504	COFFEE BREWER	KLB1-16,18	3#8,1#10G-3/4"C	120/208/1	30.0	DIRECT	50"
505	SINGLE DOOR REFRIGERATOR	KLB1-20	2#12,1#12G.,1/2"C.	120/1	2.0	NEMA 5-15	24"
506	COMBINATION SELF-SERVICE CASE	KLB1-22	2#12,1#12G.,1/2"C.	120/1	15.3	NEMA 5-20	38
506	COMBINATION SELF-SERVICE CASE	KLB1-24	2#12,1#12G.,1/2"C.	120/1	15.3	NEMA 5-20	38
507	POS PRINTER	KLB1-44	2#12,1#12G.,1/2"C.	120/1	15.0	NEMA 5-15	STUB-UP
508	N.I.C. - POS SYSTEM	KLB1-37 (PART)	2#12,1#12G.,1/2"C.	120/1	15.0	NEMA 5-15	STUB-UP
512A	N.I.C. - POS SYSTEM	KLB1-29 (PART)	2#12,1#12G.,1/2"C.	120/1	15.0	NEMA 5-15	38"
524	SINK W/BLENDER STATION	KLB1-46	2#12,1#12G.,1/2"C.	120/1	15.0	NEMA 5-15	12"
527	GLASSWASHER	KLB1-48,50	2#8,1#10G-3/4"C	208/1	32.0	DIRECT	24"
531	BACK BAR COOLER	KLB1-52	2#12,1#12G.,1/2"C.	120/1	2.7	NEMA 5-15	12"
532	PASS THRU BACK BAR REF.	KLB1-54	2#12,1#12G.,1/2"C.	120/1	4.8	NEMA 5-15	STUB-UP
533A	N.I.C. - POS SYSTEM	KLB1-23 (PART)	2#12,1#12G.,1/2"C.	120/1	15.0	NEMA 5-15	38"
539	SINK W/BLENDER STATION	KLB1-56	2#12,1#12G.,1/2"C.	120/1	15.0	NEMA 5-15	12"
540	BLENDER	KLB1-32	2#12,1#12G.,1/2"C.	120/1	13.0	NEMA 5-15	
540	BLENDER	KLB1-34	2#12,1#12G.,1/2"C.	120/1	13.0	NEMA 5-15	
544	SELF CONTAINED REFRIGERATION	KLB1-26	2#12,1#12G.,1/2"C.	120/1	2.8	NEMA 5-15	12"
545	SELF CONTAINED REFRIGERATION	KLB1-26	2#12,1#12G.,1/2"C.	120/1	2.8	NEMA 5-15	12"
546	BEVERAGE COOLING SYSTEM	KLB1-30	2#12,1#12G.,1/2"C.	120/1	12.5	NEMA 5-20	120"
547	LIGHTED LIQUOR DISPLAY	KLB1-28	2#12,1#12G.,1/2"C.	120/1	20.0	NEMA 5-20	STUB-UP
547	LIGHTED LIQUOR DISPLAY	KLB1-28	2#12,1#12G.,1/2"C.	120/1	20.0	NEMA 5-20	STUB-UP
548	FROZEN DRINK MACHINCE	KLB1-36	2#12,1#12G.,1/2"C.	120/1	7.8	NEMA 5-15	STUB-UP

NOTES

1. ALL EQUIPMENT CONNECTIONS ON THIS DRAWING ARE BASED ON PROPOSED EQUIPMENT FOR USE ON THIS PROJECT. ALL FINAL CONNECTIONS SHALL BE AS DIRECTED BY THE KITCHEN EQUIPMENT SUPPLIERS FINAL SELECTIONS AND ROUGH-IN DRAWING. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL COORDINATION OF ALL EQUIPMENT ROUGH-IN LOCATIONS AND ELECTRICAL CONNECTIONS. ANY AND ALL DEVIATIONS SHALL BE ADDRESSED TO THE ARCHITECT IN WRITING PRIOR TO ANY ROUGH-IN.
2. VERIFY VOLTAGE PRIOR TO ORDERING
3. FURNISH BREAKERS WITH INTEGRAL GFCI PROTECTION, WHERE INDICATED. IF GF PROTECTION INTEGRAL TO BREAKER IS NOT AVAILABLE, FURNISH REMOTE GROUND FAULT PROTECTION (NORTHSHORE LINEGARD SERIES OR EQUAL).
4. POWER SUPPLIED FROM UDS UTILITY WALL.
5. CONFIRM MOUNTING HEIGHT OF ALL EQUIPMENT WITH VENDER PRIOR TO ROUGH-IN

EQUIPMENT NAMEPLATE DETAIL | NTS | 2

GENERAL ELECTRICAL NOTES

1. FOR EXACT LOCATION OF EQUIPMENT MOUNTED IN SUSPENDED CEILINGS. SUCH AS LIGHTING FIXTURES, AND SMOKE DETECTORS, SEE ARCHITECTURAL REFLECTED CEILING PLANS. ARCHITECTURAL REFLECTED PLAN SHALL GOVERN FINAL LOCATION.
2. PRIOR TO ROUGH–IN, CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL WIRING DEVICE WITH ARCHITECTURAL ELEVATION TO AVOID CONFLICTS WITH CASEWORK, COUNTER TOPS, DOOR SWINGS, ETC. WHERE CONFLICTS OCCURS, CONTRACTOR SHALL CONTACT THE ARCHITECT IN WRITING FOR RESOLUTION.
3. ALL MOUNTING HEIGHT DIMENSIONS ARE TO THE CENTER OF THE OUTLET BOX UNLESS OTHERWISE NOTED.
4. FOR EXACT LOCATION OF ALL EXTERIOR LIGHTING FIXTURES MOUNTED ON EXTERIOR OF BUILDING, ARCHITECTURAL ELEVATIONS SHALL GOVERN
5. PRIOR TO ROUGH–IN FOR ALL LIGHTING SWITCHES, VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL PLANS.
6. THE CONTRACTOR SHALL USE CARE WHEN CUTTING OPENINGS FOR OUTLET BOXES IN CMU WALLS. OUTLET BOXES SHALL BE INSTALLED IN CMU WALLS SECURELY WITH EPOXY.
7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING OUTLET BOX INSTALLATION WITH WALL FINISH (GYPSUM FURRING, TILE, ETC). THE CONTRACTOR SHALL PROVIDE AND INSTALL ANY EXTENSION RINGS NECESSARY TO ACCOMMODATE WALL FINISHES.
8. ALIGN VERTICALLY AND HORIZONTALLY ALL LIGHT SWITCHES, THERMOSTATS, FIRE ALARM PULL STATIONS, ETC. ALL THESE ITEMS SHALL BE CLUSTERED WHERE POSSIBLE. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
9. COORDINATE MOUNTING OF ALL EXTERIOR DISCONNECT WITH ARCHITECTURAL ELEVATIONS. IF NOT INDICATED ON ARCHITECTURAL ELEVATIONS, REQUEST ELEVATIONS OF DISCONNECT SWITCHES FROM ARCHITECT IN WRITING PRIOR TO ROUGH–IN.
10. ALL CONDUITS FOR LOW VOLTAGE OUTLETS SHALL BE DEDICATED TO A SINGLE BOX. NO DAISY CHAINING OR SHARING OF CONDUITS BETWEEN LOW VOLTAGE OUTLET BOXES IS PERMITTED UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS.
11. PROVIDE PERMANENT NAMEPLATE LABEL FOR PANELBOARDS IDENTIFYING COLOR CODING FOR BRANCH CIRCUITS, IN ACCORDANCE WITH NEC 210.5(C)(1).

ABBREVIATIONS

A	– AMPERES
A.F.F.	– ABOVE FINISHED FLOOR
A.F.G.	– ABOVE FINISHED GRADE
BFG	– BELOW FINISHED GRADE
C	– CONDUIT
ETR	– EXISTING TO REMAIN
F	– FUSE
GFI	– GROUND FAULT CIRCUIT INTERRUPTING
G	– GROUND
KVA	– KILO VOLT AMP
KW	– KILOWATT
MCB	– MAIN CIRCUIT BREAKER
MLO	– MAIN LUG ONLY
NTS	– NOT TO SCALE
P	– POLE
PNL	– PANEL
SN	– SOLID NEUTRAL
U.O.N.	– UNLESS OTHERWISE NOTED
V	– VOLTS
W	– WIRE
WP	– WEATHERPROOF/GFI

FIRE PROOFING NOTES:

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FIRE STOPPING AT ALL WALL, FLOOR AND CEILING PENETRATIONS WHERE CONDUIT PENETRATIONS OCCUR.
2. PROVIDE FIRE STOPPING AT CONDUIT PENETRATIONS PER UL.

POWER

⏀	DUPLEX GROUNDING TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5–20R, 18" A.F.F., U.O.N..
⌖	(2) DUPLEX GROUNDING TYPE RECEPTACLES IN COMMON BOX, 20A, 125 VOLT, NEMA 5–20R, 18" A.F.F, U.O.N
⏀ GFI	DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5–20R, 18" A.F.F., U.O.N.
⍙	SPECIAL RECEPTACLE, AMPERAGE, AND VOLTAGE AS INDICATED, 18" AFF, UON.
⊖	PROVIDE COMBINATION USB CHARGER AND TAMPER RESISTANT RECEPTACLE. LEVITON DEVICE #T5633. COORDINATE LOCATIONS WITH ARCHITECT.
⏀▽	RECEPTACLE/TELEPHONE/DATA OUTLETS, FLUSH MOUNT IN FLUSH MOUNTED FLOOR BOX WITH RUBBER OR THERMOPLASTIC CARPET COVER PLATE. PROVIDE NUMBER AND TYPE OF DEVICES PER PLANS. COORDINATE DEPTH OF FLOOR BOX WITH SLAB DEPTH. COORDINATE EXACT LOCATION WITH ARCHITECT. PROVIDE 3/4" CONDUIT WITH CONDUCTORS INDICATED FOR SERVICE TO RECEPTACLE OUTLET. WHERE TELE/DATA DEVICES ARE SHOWN, PROVIDE (1) 1–1/4" CONDUIT, UON, WITH PULLWIRE FROM EACH SPECIAL SYSTEMS OUTLET TO ABOVE NEAREST ACCESSIBLE CEILING FOR SPECIAL SYSTEM WIRING BY OTHERS.
▬	PANELBOARD
A–1 ⤻	ELECTRICAL CIRCUIT RUN IN CONDUIT AND CIRCUIT HOMERUN TO PANELBOARD (PANEL AND CIRCUIT DESIGNATION AS INDICATED). AS A MINIMUM CONDITION, EACH SINGLE PHASE CIRCUIT SHALL HAVE ONE #12 PHASE CONDUCTOR, ONE #12 NEUTRAL CONDUCTOR, AND ONE #12 GROUNDING CONDUCTOR (PLUS ONE INSULATED, ISOLATED GROUNDING CONDUCTOR WHEN SERVING ISOLATED GROUND TYPE DEVICES) IN 1/2" CONDUIT. PROVIDE ADDITIONAL PHASE CONDUCTORS AS REQUIRED FOR "MULTIPLE PHASED" ELECTRICAL LOADS. PROVIDE ADDITIONAL "SWITCH LEG" CONDUCTORS TO PROVIDE THE LIGHT FIXTURE CONTROL INDICATED. MULTIPLE SINGLE PHASE CONDUCTORS SHALL BE GROUPED TOGETHER IN A COMMON CONDUIT IN ACCORDANCE WITH THE NEC AND AT THE CONTRACTOR'S DISCRETION. MULTIPLE SINGLE PHASE CONDUCTORS SERVING ISOLATED GROUND RECEPTACLES SHALL NOT SHARE COMMON NEUTRALS. NEUTRAL AND GROUNDING CONDUCTORS SHALL BE SHARED AS ALLOWED BY THE NEC. BRANCH CIRCUIT CONDUCTORS IN CONDUIT SHALL BE RUN CONCEALED IN WALLS AND/OR ABOVE CEILINGS, IN/OR BELOW FLOORS, EXCEPT IN EXPOSED CONSTRUCTION AREAS. FLUORESCENT LIGHTING CIRCUITS SERVING SWITCHED FIXTURES WITH EMERGENCY BATTERY BACK–UP SHALL CONTAIN ONE UNSWITCHED CONDUCTOR. FLUORESCENT DIMMING CIRCUITS SERVING DIMMING BALLASTS SHALL BE PROVIDED WITH WIRING AS REQUIRED BY BALLAST MANUFACTURER. MULTIPLE PHASE LIGHTING CIRCUITS SERVING DIMMED LOADS SHALL NOT SHARE COMMON NEUTRALS.
Ⓙ	JUNCTION BOX.
□	DISCONNECT SWITCH, 240 OR 600 VOLTS AS REQUIRED. AMPS, POLES AND FUSING AS NOTED, NEMA 1, U.O.N.
⊠	MOTOR STARTER
⟨1⟩	KEYNOTE.

FIRE ALARM SYSTEMS

S◁	FIRE ALARM SPEAKER. WALL MOUNT 80" A.F.F. TO BOTTOM OF LENS. (BOTTOM OF LENS 96" MAX A.F.F OR 6" BELOW CEILING IN COMPLIANCE WITH NFPA 72.)

SPECIAL SYSTEMS

▼	TELEPHONE/DATA OUTLET 18" A.F.F., U.O.N. DOUBLE GANG BOX WITH DEVICE PLATE. PROVIDE 1" (UON) CONDUIT WITH PULLWIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING. PROVIDE WITH SINGLE GANG ADAPTER.
▽	TELEPHONE OUTLET 18" A.F.F., U.O.N. DOUBLE GANG BOX WITH DEVICE PLATE. PROVIDE 3/4" (UON) CONDUIT WITH PULLWIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING. PROVIDE WITH SINGLE GANG ADAPTER.
TV	TELEVISION OUTLET 18" A.F.F., U.O.N. SINGLE GANG BOX WITH DEVICE PLATE. PROVIDE 3/4" (UON) CONDUIT WITH PULLWIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING.
▨	TELEPHONE/TELEVISION BACKBOARD, 4' X 4' X 3/4" THICK EXTERIOR GRADE PLYWOOD. MOUNT VERTICALLY WITH BOTTOM OF PLYWOOD 6" A.F.F., U.O.N.

DEVICE PLATE NOTE:

ALL COVERPLATES SHALL BE NYLON WITH FINISH PER ARCHITECT. ALL DEVICES (SWITCHES, RECEPTACLES, ETC) SHALL BE FINISH BY ARCHITECT (UON). COORDINATE WITH ARCHITECTURAL PLANS.

DO NOT SCALE EQUIPMENT, DEVICE, LIGHTING, ETC LOCATIONS FROM DRAWINGS. ELECTRICAL DRAWINGS TO BE READ IN CONJUNCTION WITH DRAWINGS FROM OTHER TRADES AND RELEVANT SECTIONS OF SPECIFICATIONS. REFER TO ARCHITECTURAL/INTERIORS PLANS FOR EXACT LOCATIONS OF DEVICES. REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF LIGHTING FIXTURES.

SPECIFICATIONS

SUBMITTALS:

1. SUBMIT SHOP DRAWINGS & PRODUCT INFORMATION FOR THE FOLLOWING:
   - * SERVICE & DISTRIBUTION EQUIPMENT
   - * PROTECTIVE DEVICES
   - * LIGHTING FIXTURES AND LAMPS
   - * WIRING DEVICES AND COVER PLATES

DISTRIBUTION EQUIPMENT:

1. DISTRIBUTION EQUIPMENT USING CIRCUIT BREAKER TYPE PROTECTIVE DEVICES; BOLTED–ON OR 'SQUARE D' I–LINE DEVICES.
2. DISCONNECT SWITCHES; 'HEAVY–DUTY' RATED WITH QUICK–MAKE AND QUICK–BREAK MECHANISMS. PROVIDE GROUND LUGS AND CODE REQUIRED ACCESSORIES. SWITCHES LOCATED OUTSIDE; 'NEMA–3R' ENCLOSED TYPE WITH LOCKING HASP.
3. PROVIDE AN ENCLOSED SWITCH FOR ELECTRICALLY SERVED EQUIPMENT. PROVIDE SWITCHES & FUSES, INCLUDING HEATER ELEMENTS, RATED PER THE CHARACTERISTICS AND NAMEPLATE RATINGS OF EQUIPMENT IN ACCORDANCE WITH CODE REQUIREMENTS, MANUFACTURER'S RECOMMENDATIONS AND CHARTS. PROVIDE SWITCHES WITH CODE REQUIRED ACCESSORIES.
4. FUSED SWITCHES IN BRANCH CIRCUITS; NON–RENEWABLE CARTRIDGE FUSES RATED 250 OR 300 VAC OR 600VAC AS FOLLOWS:
   - * SIZES 1 – 200 AMPS: DUAL ELEMENT, CURRENT LIMITING FUSES, CLASS 'RK–1', OR 'RK–5', SELECTED TO PROVIDE STARTING AND LIMIT LET–THRU CURRENT.
   - * OTHER RATINGS, SIZES OR SPECIAL APPLICATIONS AS INDICATED.
5. STATIONARY FRACTIONAL HORSEPOWER MOTORS NOT PROVIDED WITH INTEGRAL MOTOR RUNNING OVERLOAD PROTECTION, OR INHERENTLY PROTECTED BY DESIGN; SWITCHED BY A FRACTIONAL HORSEPOWER STARTER PROVIDING SUPPLEMENTARY PROTECTION.
6. STARTERS AND DISCONNECT SWITCHES; ENCLOSED QUICK–MAKE AND QUICK–BREAK MECHANISMS.
7. BRANCH CIRCUIT BREAKERS; MOLDED CASE, AUTOMATIC TRIPPING TYPE, BOLT–ON OR I–LINE CONSTRUCTION, MINIMUM FRAME SIZE OF 100 AMPS AND A MINIMUM TRIP SIZE OF 15 AMPS, CALIBRATED FOR 40oC. PROVIDE SUITABLE TYPE BREAKERS SERVING HIGH INRUSH CIRCUITS FOR INCANDESCENT LIGHTING.
8. GROUP SINGLE–POLE BREAKERS USED FOR MULTI–WIRE CIRCUITS CONSECUTIVELY ON THE SAME SIDE OF THE CABINET.

CONDUCTORS:

1. CONDUCTORS; SOFT DRAWN, ANNEALED COPPER WITH CONDUCTIVITY OF NOT LESS THAN 98 'ASTM' STANDARDS.
2. CONDUCTOR SIZE NUMBERS; AMERICAN WIRE GAUGE (AWG. SYSTEM, STANDARD TRADE SIZES.
3. CONDUCTORS; COLOR CODED PER CODE AND UTILITY CO.
4. CONDUCTORS;
   - * No.10 AWG SIZEAND SMALLER; SOLID OR STRANDED.
   - * No.8 AWG SIZE AND LARGER; STRANDED. STRANDED CONDUCTORS; CLASS 'B' OR 'C'.
   - * CONTROL CIRCUITS; MINIMUM AWG No.14.
   - * POWER AND LIGHTING BRANCH CIRCUITS; AWG # 12 FOR GENERAL CIRCUITS NOT REQUIRING DERATING OR SIZE INCREASE TO REDUCE VOLTAGE DROP.
5. USE A SEPARATE LUG FOR EACH CONDUCTOR WHERE MULTIPLE CONDUCTORS ARE CONNECTED TO THE SAME ELECTRICAL TERMINAL POSITION
6. BRANCH CIRCUIT CONDUCTORS; UNSPLICED EXCEPT WHERE CIRCUITS ARE SHOWN TO DIVIDE BY THE PLANS.
7. GENERAL WIRING CONDUCTORS OPERATING AT 600 VOLTS AND BELOW; RATED 60 HERTZ, 600 VOLTS, WITH 75oC OR 90oC INSULATION AS FOLLOWS:
   - A. FEEDER CONDUCTORS: RATED FOR WET LOCATIONS OF 'THW', 'THWN' OR 'XHHW'.
   - B. BRANCH CONDUCTORS RATED FOR:
     - * WET LOCATIONS, OR LOCATIONS LOCATED BELOW GRADE OR ENCASED IN SLAB ON GRADE, OF 'THW', 'THWN' OR 'XHHW'.
     - * DRY LOCATIONS OF 'THW', 'THWN', 'XHHW' OR 'THHN'.
   - C. RATED LIGHTING CONDUCTORS FOR CIRCUITS REQUIRING 90oC RATING; 'THHN' OR 'XHHW', OR OTHER APPROVED TYPE.
   - D. JOINTS ON CONDUCTORS RATED ABOVE 75oC; TAPED OR MADE–UP WITH MATERIALS HAVING A SUITABLE HIGH TEMPERATURE RATING.

RACEWAYS:

1. INSTALL WIRING IN METALLIC, RIGID TYPE RACEWAYS ABOVE ACCESSIBLE CEILINGS. MC CABLE SHALL BE PERMITTED TO BE USED IN NON–ACCESSIBLE AREAS.
2. RUN RACEWAYS AND CABLE CONCEALED, EXCEPT RACEWAYS IN EQUIPMENT ROOMS RUN EXPOSED.
3. RACEWAYS IN ORDINARY LOCATIONS:
   - * INSIDE (NOT IN WET OR DAMP LOCATIONS OR EXPOSED TO MECHANICAL INJURY); STEEL, ELECTRICAL METALLIC TUBING (EMT) OR MC CABLE.
   - * EXPOSED OUTSIDE, THROUGH OUTSIDE WALL OR ROOF, OR THROUGH TWO–HOUR OR MORE RATED FIRE BARRIERS; GALVANIZED RIGID STEEL (GRS) CONDUIT MADE UP WATER TIGHT.
   - * FINAL CONNECTION IN DRY LOCATIONS SERVING LIGHTING FIXTURES; FLEXIBLE METAL CONDUIT OR FLEXIBLE METALLIC TUBING.
   - * CONNECTIONS TO MOTORS, OR TO COMPONENTS IN WET OR DAMP LOCATIONS, LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LT FLEX).
4. RIGID STEEL GRS, AND STEEL IMC; HOT DIP GALVANIZED
5. STEEL EMT; HOT DIP GALVANIZED OUTSIDE, AND ENAMEL OR GALVANIZED FINISHED INSIDE.
6. EMT COUPLINGS AND CONNECTORS; METAL AS FOLLOWS:
   - * RAINTIGHT, HEX–NUT, EXPANSION– GLAND COMPRESSION STEEL, FOR ANY WET OR DAMP LOCATION OR FEEDER (OR SUB–FEEDER..
   - * SET–SCREW OR TAP–ON, STEEL OR CAST METAL, FOR DRY LOCATIONS.
7. CIRCULAR RACEWAYS; MINIMUM TRADE SIZE AS FOLLOWS:
   - * 1/2–INCH; GENERAL.
   - * 3/4–INCH; 'HOMERUN' CIRCUIT WIRING; MORE THAN (3) CONDUCTORS.
8. SIZE RACEWAYS TO ACCOMMODATE THE ENCLOSED CONDUCTORS.
9. PROVIDE JUNCTION OR PULL BOXES TO AVOID EXCESSIVE RUNS OR BENDS BETWEEN OUTLETS, AND AT LOW POINTS IN RACEWAY RUNS.
10. SUPPORT CONCEALED CONDUIT ABOVE THE CEILING INDEPENDENTLY OF CEILING CONSTRUCTION. INSTALL CONDUITS HIGH ABOVE LAY–IN CEILINGS TO PERMIT REMOVAL OF CEILING PANELS OR EQUIPMENT.
11. INSTALL EXPOSED RACEWAYS PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS AND ARCHITECTURAL FEATURES. INSTALL CONCEALED CONDUIT RACEWAYS WITH AS FEW BENDS AS FEASIBLE, COORDINATED WITH STRUCTURAL, MECHANICAL AND ARCHITECTURAL REQUIREMENTS. ROUTE RACEWAYS TO AVOID 'TRAPPING' WHERE PRACTICABLE.

ENCLOSURES AND BOXES:

1. EQUIPMENT ENCLOSURES, BOXES, & COVERS; GALVANIZED STEEL, MALLEABLE IRON, GRAY IRON, OR COPPER–FREE ALUMINUM. SCREWS; STAINLESS STEEL; ALUMINUM FOR ALUMINUM BOXES.
2. ENCLOSURES:
   - * FLUSH MOUNTED WITH CONCEALED RACEWAYS OR FLUSH MOUNTED DEVICES.
   - * SURFACE MOUNTED TYPE IN EQUIPMENT ROOMS, WITH EXPOSED RACEWAYS AND OTHER SURFACE MOUNTED DEVICES.
3. BOXES FOR USE WITH GENERAL RACEWAY SYSTEMS; 4 INCHES SQUARE OR OCTAGONAL SIZE, NOT BE LESS THAN 1–1/2 INCHES DEEP, EXCEPT WHERE SHALLOWER BOXES ARE REQUIRED BY STRUCTURAL CONDITIONS. 4 BY 2 INCH BOXES; WHERE ONLY ONE RACEWAY ENTERS AN OUTLET BOX, OR WHERE NEEDED TO MATCH DEVICES AND/OR MOUNTING HARDWARE.
4. BOXES FOR RACEWAY SYSTEMS SERVING CEILING 'POWER' GRID SYSTEMS OR LIGHTING FIXTURES; SIZE 4–11/16 INCH SQUARE BOXES, 42 CU. IN. USE EXTENSION RINGS OR LARGER BOXES IF NECESSARY TO MEET CU. IN. CAPACITY REQUIRED BY CODE.
5. ENCLOSURES AND BOXES; VOLUME AND REQUIRED WIRE BENDING AND GUTTER SPACE AND FEATURES TO SUIT CODE REQUIREMENTS.
6. DO NOT INSTALL BOXES BACK–TO–BACK. DO NOT USE THRU–WALL TYPE BOXES. SEPARATE BOXES IN THE SAME FIRE RATED WALL BY EITHER SOLID STUDS, OR A MINIMUM DISTANCE ESTABLISHED BY LOCAL BUILDING OFFICIALS; SEAL CONNECTING CONDUIT TO PREVENT THE TRANSMISSION OF HEAT, SMOKE, AND NOISE, WITH SEALING METHOD AS APPROVED BY THE FIRE MARSHAL.
7. DO NOT USE SUSPENDED CEILING CONSTRUCTION TO SUPPORT RACEWAYS, BOXES OR OTHER ITEMS, EXCEPT AS ALLOWED BY CODE AND ACCEPTED BY THE ARCHITECT IN WRITING.

WESTSIDE ENGINEERING
WE # 24269
COA # 32602
200 Galleria Parkway
Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax
cesslinger@westside-engineering.com

DEVICES:

1. SWITCHES; STANDARD LINE STYLE, MAINTAINED, 15 OR 20 AMPS, 120–277 VAC, QUIET OPERATING, FLUSH MOUNTING, BY LEVITON, 'SPEC–MASTER, COMMERCIAL SPEC. GRADE' SERIES, HUBBELL OR ARROW HART.
2. RECEPTACLES; STANDARD LINE STYLE, STRAIGHT BLADE, 2–POLE, 3–WIRE GROUNDING TYPE, RATED 125 VAC, 15 OR 20 AMPS, BY LEVITON, 'SPECMASTER, 'COMM. SPEC. GRADE' SERIES, HUBBELL OR ARROW HART.
3. DIMMER SWITCHES; RATED FOR FULL RANGE DIMMING OF 120 VAC LOADS, EITHER FLUORESCENT OR INCANDESCENT, KNOB OR SLIDE CONTROLLED W/ FULL OFF POSITION, FLUSH MOUNTABLE IN STANDARD 1–GANG OR 2–GANG BOXES. ARCHITECTURAL' STYLE, THIN PROFILE TYPES, BY LEVITON, 'COMM. SPEC. GRADE' SERIES, LUTRON OR LITHONIA.
4. GROUND FAULT CIRCUIT INTERRUPTED (GFCI) RECEPTACLES; U.L. LISTED FOR PERSONNEL PROTECTION AGAINST LINE–TO– GROUND SHOCK HAZARD. GFCI RECEPTS.; DUPLEX, 'DECORA STYLE' BY LEVITON, 'COMM. SPEC. GRADE', HUBBELL OR ARROW HART.
5. KEYLESS LAMPHOLDER: WHITE PORCELAIN, 660 WATTS AT 250 VOLTS; LEVITON, CAT. No. 9875–2.
6. LOW VOLTAGE SWITCHES & COMPONENTS: ABB/GENERAL ELECTRIC, 24–VOLT SYSTEM.
7. COVER PLATES: FOR FLUSH, INSIDE, WALL MOUNTED DEVICES; LEVITON.
8. MOUNT DEVICES RECESSED FOR FLUSH INSTALLATION. PROVIDE COVER PLATES FOR EACH DEVICE.
9. ALIGN DEVICES AT DIFFERENT LEVELS VERTICALLY. GROUP DEVICES AT THE SAME LEVEL USING SECTIONAL GANG BOXES. CENTER DEVICES IN ARCHITECTURAL FEATURES.
10. LOCATE WALL SWITCHES ON THE STRIKE SIDE OF A DOOR, SIX (6) INCHES FROM THE OPENING.
11. MOUNT SMALL FLUSH MOUNTED MOTOR DEVICES IN STANDARD DEVICE BOXES.
12. INSTALL WIRING DEVICES WITH TOP–OF–BOX MOUNTING HEIGHTS ABOVE FINISHED FLOORS BETWEEN 18 INCHES AND 48 INCHES, AS REQUIRED BY HANDICAPPED CODES.
13. COVER PLATES FOR FLUSH, DRY, ORDINARY LOCATIONS; STANDARD SIZE ONE PIECE. WIRING DEVICES AND COVER PLATE FINISHES; AS INDICATED BY THE PLANS.

LIGHTING:

1. PROVIDE ALL LAMPS AT 3500K, UNLESS NOTED OTHERWISE.
2. FIXTURE CRI SHALL MEET OR EXCEED THAT SPECIFIED IN FIXTURE SCHEDULE INCLUDED WITHIN CONTRACT DOCUMENTS. WHERE NO CRI IS SCHEDULE, CRI SHALL BE 80 OR GREATER.
3. ALL LED DRIVERS SHALL HAVE AN OPERATING EFFICIENCY OF AT LEAST 85%, MINIMUM STARTING EMPERATURE OF AT LEAST –40DEGREES CELSIUS, VOLTAGE INPUT/PHASE AS SPECIFIED IN FIXTURE SCHEDULE.
4. ALL LED FIXTURES SHALL COME EQUIPPED WITH INTEGRAL HEAT DISSIPATION SYSTEMS.
5. LED FIXTURES SHALL HAVE LED SOURCES AND DRIVERS THAT ARE ACCESSIBLE FROM THE EXPOSED SIDE OF THE FIXTURE AND DO NOT REQUIRE REMOVAL OF FIXTURE FOR LED SOURCE AND/OR DRIVER REPAIR/REPLACEMENT.

GROUNDING:

1. GROUND ELECTRICAL SYSTEMS, EQUIPMENT, AND SUPPORTING STRUCTURES. PROVIDE BONDING JUMPERS WHERE NECESSARY. MECHANICALLY AND ELECTRICALLY SECURE METAL RACEWAYS AND FITTINGS, JOINTS AND CONNECTIONS AT EQUIPMENT TO PROVIDE AN GROUNDING MEANS. METAL RACEWAYS; ELECTRICALLY CONTINUOUS THROUGHOUT THEIR LENGTH FOR AN EFFECTIVE GROUNDING PATH TO THE POWER SERVICE DISCONNECT SWITCH.
2. INSTALL GROUNDING CONDUCTORS WITHOUT JOINT OR SPLICE TO THE GREATEST PRACTICAL EXTENT.
3. PROVIDE FOR EACH RACEWAY A GREEN #12 GROUNDING CONDUCTOR IN ADDITION TO BRANCH CONDUCTORS INDICATED.
4. DO NOT SPLICE MAIN BONDING JUMPER. CONFIRM THAT A MAIN BONDING JUMPER IS PROVIDED AT THE POINT OF SERVICE ONLY.

TESTING:

1. TEST INDIVIDUAL SYSTEMS AND COMPONENTS FOR FULL FUNCTIONAL REQUIREMENTS. PERFORM TESTS AS REQUIRED BY CODE, LOCAL PRACTICES, OR AS REASONABLY REQUIRED BY THE OWNER'S REPRESENTATIVE WHERE A QUESTION ARISES AS TO THE PROPER INSTALLATION OR OPERATION OF MATERIALS.
2. PROVIDE TESTING INSTRUMENTS, PROCEDURES, AND DOCUMENTATION.

MISCELLANEOUS:

1. SELECT, SIZE, AND ASSEMBLE FOUNDATIONS, SUPPORTS, AND FASTENERS.
2. FASTENINGS FOR SECURING CONDUIT RUNS, LIGHT APPARATUS.
   - * BOLTS, BEAM CLAMPS, OR DRIVEN OR WELDED STUDS ON STEEL WORK
   - * TOGGLE BOLTS ON HOLLOW TILE OR CONCRETE BLOCKS
   - * STEEL ANCHORS OF THE SELF–DRILLING OR NON–DRILLING TYPES ON SOLID CONCRETE OR MASONRY.
   - * POWER DRIVEN STUDS MAY BE USED ON STEEL AND SOLID CONCRETE WHERE ACCEPTED BY THE OWNER'S REPRESENTATIVE.
3. MAJOR COMPONENTS OF THE DISTRIBUTION SYSTEM SUCH AS THE PANELBOARD SHALL HAVE PERMANENT NAMEPLATES FOR EQUIPMENT IDENTIFICATION.
4. SEAL CONDUITS ROUTED BETWEEN SPACES OF DIFFERENT AMBIENT TEMPERATURES, SUCH AS REFRIGERATED SPACES OR OUTDOOR AREAS,TO PREVENT CIRCULATION OF AIR.
5. INSTALL RACEWAY OR CABLE, ETC. THAT PENETRATES A FIRE BARRIER, WITH MATERIALS AND METHODS APPROVED FOR APPLICATION BY BUILDING OFFICIALS. IDENTIFY EACH FIRE BARRIER FROM THE ARCHITECTURAL PLANS, AND FOR SECURE APPROVAL OF MATERIALS AND METHODS FOR EACH TYPE PENETRATION.

TELEPHONE SYSTEM ROUGH–IN:

1. CONTACT THE TELEPHONE CO., COORDINATE THE WORK TO MAKE THE INSTALLATION READY FOR THE TELEPHONE COMPANY, INCLUDING CABINETS, RACEWAYS AND PULL WIRES, RACEWAY SYSTEM BOXES, DEDICATED ELECTRICAL BRANCH CIRCUITS AND RECEPTACLES, DEDICATED GROUNDING CONDUCTORS, AND MISCELLANEOUS MATERIALS OR DEVICES.
2. PROVIDE COMPLETE ENCLOSED RACEWAYS WITH MEASURED PULL CORDS FOR FUTURE USE BY OTHERS. PROVIDE A 3/4" PVC CONDUIT FROM EACH MAIN CABINET OR BACKBOARD LOCATION TO NEAREST ACCESSIBLE, GROUNDED, METAL COLD WATER PIPE, AND A #6 SOLID COPPER CONDUCTOR BONDED TO THE WATER PIPE AND COILED FOR USE IN GROUNDING EQUIPMENT.

1. INSTALL FIRE ALARM SYSTEM IN ACCORDANCE WITH ADA AND ALL LOCAL CODES.
2. PROVIDING WIRING PER MANUFACTURER'S RECOMMENDATIONS.
3. CONNECT SYSTEM TO HVAC SYSTEM CONTROLLERS FOR SHUTDOWN OF ENTIRE HVAC SYSTEM UPON ALARM.
4. MODIFY EXISTING FIRE ALARM SYSTEM AS REQUIRED TO ACCEPT NEW DEVICES.

EXISTING FIRE ALARM RISER | NTS | 1

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

NDS
norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan
Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

NOTES AND DETAILS

SHEET NUMBER

E-0

COMcheck Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2019) Standard
Project Title: 24269 - Key Lime Bristo
Project Type: New Construction

Construction Site: Owner/Agent: Designer/Contractor:

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)	750	1.09	818
2-Dining Area (Common Space Types:Dining Area - Bar Lounge/Leisure)	2014	0.86	1732
		Total Allowed Watts =	2550

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)
1-Kitchen (Common Space Types:Food Preparation)				
LED: F: Other:	1	9	38	342
LED: M: Other:	1	1	35	35
2-Dining Area (Common Space Types:Dining Area - Bar Lounge/Leisure)				
LED: A: Other:	1	20	14	280
LED: A1: Other:	1	5	16	78
LED: B: Other:	1	68	15	1020
LED: C: Other:	1	4	10	38
LED: C1: Other:	1	3	4	12
LED: D: Other:	1	50	4	175
LED: L: Other:	1	5	96	480
			Total Proposed Watts =	2460

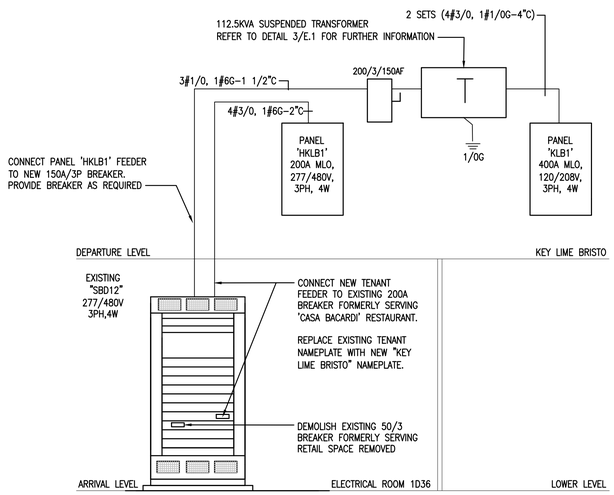
Interior Lighting PASSES: Design 3% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design 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 90.1 (2019) Standard requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Carson Hall - Electrical Designer — Name - Title
Signature
02-06-2025 — Date

COMPLIANCE CERTIFICATE | NTS | 3



PARTIAL RISER DIAGRAM | NTS | 1

PANELBOARD SCHEDULE KLB1

MAIN: 400 A MLO | VOLTAGE: 208/120 3 PHASE 4 WIRE | AIC: 22,000 | MOUNTING: SURFACE

CKT #	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	WH/ EV	NON CON	BKR TYP	TRIP/ POLE	PHASE	TRIP/ POLE	BKR TYP	LTG	REC	MTR	A/C	HTG	KIT	WH/ EV	NON CON	DESCRIPTION	CKT #
1	BANQUETTE BOOTH RECEPTS		0.7								20/1	A	20/1							0.5			WALK-IN FREEZER	2
3	BANQUETTE BOOTH RECEPTS		0.9								20/1	B	20/2							1.5			WALK-IN FREEZER EVAP	4
5	BANQUETTE BOOTH RECEPTS		0.9								20/1	C	--							1.5			---	6
7	BANQUETTE BOOTH RECEPTS		0.9								20/1	A	30/2							2.2			WALK-IN FREEZER CONDENSER	8
9	BAR USB RECEPTACLES		1.1								20/1	B	--							2.2			---	10
11	BAR USB RECEPTACLES		0.7								20/1	C	20/1							1.8			HOOD	12
13	BAR USB RECEPTACLES		0.7								20/1	A	20/1							1.8			FIRE SUPPRESSION	14
15	BAR USB RECEPTACLES		0.7								20/1	B	40/2							3.1			COFFEE MAKER	16
17	BAR USB RECEPTACLES		1.1								20/1	C	--							3.1			---	18
19	CEILING MOUNTED TELEVISIONS		0.9							GF	20/1	A	20/1	GF						0.2			SINGLE DOOR REFRIGERATOR	20
21	BAR CONVENIENCE RECEPTS		0.4								20/1	B	20/1	GF						1.8			COMBINATION SELF CASE	22
23	BAR CONVENIENCE/ P.O.S.		0.7								20/1	C	20/1	GF						1.8			COMBINATION SELF CASE	24
25	KITCHEN CONV/ MANAGERS DESK		0.5								20/1	A	20/1	GF						0.6			SELF-CONTAINED REFRIGERATOR	26
27	BAR CONVENIENCE RECEPTS		0.7								20/1	B	20/1	GF						0.8			LIGHTED LIQUOR DISPLAY	28
29	KITCHEN CONVENIENCE RECEPTS		0.9								20/1	C	20/1	GF						1.5			BEVERAGE COOLING SYSTEM	30
31	KITCHEN CONVENIENCE RECEPTS		0.7								20/1	A	20/1	GF						1.6			BLENDER	32
33	BAR PRINTER/ TOUCH SCREEN		0.4								20/1	B	20/1	GF						1.6			BLENDER	34
35	SIGNAGE	0.5									20/1	C	20/1	GF						0.7			GRANITA C/T DISPENSER	36
37	TAKE AWAY P.O.S./ MONITOR		0.5							GF	20/1	A	20/1							0.5			WORKTOP FREEZER	38
39	TS QUAD DEDICATED		0.4								20/1	B	20/1	GF						0.8			HEAT LAMP	40
41	TS QUAD DEDICATED		0.4								20/1	C	20/1	GF						1.1			SANDWICH/SALAD UNIT	42
43	FRYER CONTROLS						1.6				20/1	A	20/1			1.8							P.O.S. PRINTER	44
45	TIME CLOCK		0.5								20/1	B	20/1	GF						1.8			SINK WITH BLENDER	46
47	SPARE										20/1	C	20/1							3.3			GLASSWASHER	48
49	SPARE										20/1	A	20/1							3.3			---	50
51	SPARE										20/1	B	20/1	GF						0.3			BACK BAR COOLER	52
53	SPARE										20/1	C	20/1	GF						0.6			PASS THRU BACK BAR REF	54
55	TAKE AWAY/KITCHEN LIGHTING	0.5									20/1	A	20/1	GF						1.8			SINK WITH BLENDER	56
57	BAR AND DINING LIGHTING	0.8									20/1	B	60/3							6.8			WARE WASHER	58
59	TRUCK LIGHTING	1.0									20/1	C	--							6.8			---	60
61	WALK-IN COOLER						0.1				20/1	A	--							6.8			---	62
63	WALK-IN COOLER EVAP						0.1				20/1	B	20/1										SPARE	64
65	WALK-IN COOLER CONDENSER						1.6				20/2	C	20/1										SPARE	66
67	---						1.6					A	20/1										SPARE	68
69	BAG-N-BOX RACK						1.8			GF	20/1	B	20/1										SPARE	70
71	ICE MAKER WITH BIN						1.5				20/2	C	20/1										SPARE	72
73	---						1.5				--	A	20/1										SPARE	74
75	SODA DISPENSER						0.2			GF	20/1	B	20/1										SPARE	76
77	MEGA TOP UNIT						0.6			GF	20/1	C	150/3	SH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172.0	UDSL	78
79	SPARE										20/1	A	--		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.5	---	80
81	SPARE										20/1	B	--		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	---	82
83	SPARE										20/1	C	/1										SPACE FOR SHUNT TRIP	84

LIGHTING:	2.8	CONNECTED (KVA)	125%	=	3.5	DEMAND (KVA)	
RECEPTACLES:	16.7	FIRST 10kVA x 100% + REMAINING x 50%		=	13.4		
MOTORS:	0.0	100% +25% LARGEST MOTOR LOAD		=	0.0		
A/C:	0.0		100%	=	0.0		
HEATING:	0.0		100%	=	0.0		
KITCHEN:	72.8		65%	=	47.3		
WATER HEATER/EV CHARGER:	0.0		125%	=	0.0		
DEDICATED/NONCONTINUOUS:	48.4		100%	=	48.4		

CONNECTED LOAD (KVA): 140.7 — DEMAND LOAD (KVA): 112.6
CONNECTED LOAD (AMPS): 390.5 — DEMAND LOAD (AMPS): 312.4
PANEL AMPACITY REQUIRED: 338.4

DEMAND PER PHASE (AMPS)	330.8	A
	296.8	B
	338.4	C

WARNING, CHECK BREAKER S

CONNECTED PER PHASE (AMPS)	400.0	A
	361.7	B
	410.8	C

NOTES: BREAKER TYPES: GF=GFCI, AF=AFCI, SH=SHUNT TRIP, SW=SWITCHED NEUTRAL, L=LOCKABLE

HVAC NOTE: DESIGN BASIS EQUIPMENT FOR THIS PROJECT USES A1 TYPE REFRIGERANTS, INCLUDING R410A. CURRENT REFRIGERANT RULES FROM THE EPA IMPOSES RESTRICTIONS ON A1 TYPE REFRIGERANTS, INCLUDING EQUIPMENT MANUFACTURED AFTER 1/1/2025 OR INSTALLED AFTER 1/1/2026. IF CONSTRUCTION RESULTS IN EQUIPMENT CHANGES TO A2L TYPE REFRIGERANT, THERE WILL BE CHANGES REQUIRED TO MEET ASHRAE 15-2022, INCLUDING EQUIPMENT, CONTROLS, ELECTRICAL AND SAFETY REQUIREMENTS.

PANELBOARD SCHEDULE HKLB1

MAIN: 200 A MLO | VOLTAGE: 480/277 3 PHASE 4 WIRE | AIC: 22,000 | MOUNTING: SURFACE

CKT #	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	WH/ EV	NON CON	BKR TYP	TRIP/ POLE	PHASE	TRIP/ POLE	BKR TYP	LTG	REC	MTR	A/C	HTG	KIT	WH/ EV	NON CON	DESCRIPTION	CKT #
1	WH-1										12.0		125	SH	0.0	0.0	7.8	0.0	0.0	0.0	0.0	22.2	UDSH	2
3	---										12.0		--		0.0	0.0	7.8	0.0	0.0	0.0	0.0	22.2	---	4
5	---										12.0		--		0.0	0.0	7.8	0.0	0.0	0.0	0.0	22.2	---	6
7	PIL-1				7.5						20/1	A	-/1										SPACE FOR SHUNT TRIP	8
9	PIL-2				6.0						20/1	B	20/1										SPACE	10
11	PIL-3				6.0						20/1	C	20/1										SPACE	12
13	SPACE										20/1	A	20/1										SPACE	14
15	SPACE										20/1	B	20/1										SPACE	16
17	SPACE										20/1	C	20/1										SPACE	18
19	SPACE										20/1	A	20/1										SPACE	20
21	SPACE										20/1	B	20/1										SPACE	22
23	SPACE										20/1	C	20/1										SPACE	24
25	SPACE										20/3	A	20/1										SPACE	26
27	SPACE										--	B	20/1										SPACE	28
29	SPACE										--	C	20/1										SPACE	30
31	SPACE										20/1	A	20/1										SPACE	32
33	SPACE										20/1	B	20/1										SPACE	34
35	SPACE										20/1	C	20/1										SPACE	36
37	SPACE										20/1	A	20/1										SPACE	38
39	SPACE										20/1	B	20/1										SPACE	40
41	SPACE										20/1	C	20/1										SPACE	42

LIGHTING:	0.0	CONNECTED (KVA)	125%	=	0.0	DEMAND (KVA)	
RECEPTACLES:	0.0	FIRST 10kVA x 100% + REMAINING x 50%		=	0.0		
MOTORS:	23.4	100% +25% LARGEST MOTOR LOAD		=	23.4		
A/C:	19.5		100%	=	19.5		
HEATING:	0.0		100%	=	0.0		
KITCHEN:	0.0		65%	=	0.0		
WATER HEATER/EV CHARGER:	0.0		125%	=	0.0		
DEDICATED/NONCONTINUOUS:	102.6		100%	=	102.6		

CONNECTED LOAD (KVA): 145.5 — DEMAND LOAD (KVA): 145.5
CONNECTED LOAD (AMPS): 175.0 — DEMAND LOAD (AMPS): 175.0
PANEL AMPACITY REQUIRED: 178.7

DEMAND PER PHASE (AMPS)	178.7	A
	173.3	B
	173.3	C

CONNECTED PER PHASE (AMPS)	178.7	A
	173.3	B
	173.3	C

NOTES: BREAKER TYPES: GF=GFCI, AF=AFCI, SH=SHUNT TRIP, SW=SWITCHED NEUTRAL, L=LOCKABLE

HVAC NOTE: DESIGN BASIS EQUIPMENT FOR THIS PROJECT USES A1 TYPE REFRIGERANTS, INCLUDING R410A. CURRENT REFRIGERANT RULES FROM THE EPA IMPOSES RESTRICTIONS ON A1 TYPE REFRIGERANTS, INCLUDING EQUIPMENT MANUFACTURED AFTER 1/1/2025 OR INSTALLED AFTER 1/1/2026. IF CONSTRUCTION RESULTS IN EQUIPMENT CHANGES TO A2L TYPE REFRIGERANT, THERE WILL BE CHANGES REQUIRED TO MEET ASHRAE 15-2022, INCLUDING EQUIPMENT, CONTROLS, ELECTRICAL AND SAFETY REQUIREMENTS.

PANELBOARD SCHEDULE UDSL (BY OTHERS)

MAIN: 150 A MCB | VOLTAGE: 208/120 3 PHASE 4 WIRE | AIC: 22,000 | MOUNTING: SURFACE

CKT #	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	WH/ EV	NON CON	BKR TYP	TRIP/ POLE	PHASE	TRIP/ POLE	BKR TYP	LTG	REC	MTR	A/C	HTG	KIT	WH/ EV	NON CON	DESCRIPTION	CKT #
	GRIDDLE								3.2		45/3	A	110/3	GF								9.9	INDUCTION RANGE	
	---								3.2		--	B	--									9.9	---	
	---								3.2		--	C	--									9.9	---	
	CHEESE MELTER/ SALAMANDER								3.4		45/2	A	20/1	GF								0.7	CHEF BASE FREEZER	
	---								3.4		--	B	20/1										SPARE	
	FRYER CONTROLS								1.6	GF	20/1	C	20/1										SPARE	
	SPARE										20/1	A	20/1										SPARE	
	SPARE										20/1	B	20/1										SPARE	
	SPARE										20/1	C	20/1										SPARE	
	SPARE										20/1	A	20/1										SPARE	

LIGHTING:	0.0	CONNECTED (KVA)	125%	=	0.0	DEMAND (KVA)	
RECEPTACLES:	0.0	FIRST 10kVA x 100% + REMAINING x 50%		=	0.0		
MOTORS:	0.0	100% +25% LARGEST MOTOR LOAD		=	0.0		
A/C:	0.0		100%	=	0.0		
HEATING:	0.0		100%	=	0.0		
KITCHEN:	0.0		65%	=	0.0		
WATER HEATER/EV CHARGER:	0.0		125%	=	0.0		
DEDICATED/NONCONTINUOUS:	48.4		100%	=	48.4		

CONNECTED LOAD (KVA): 48.4 — DEMAND LOAD (KVA): 48.4
CONNECTED LOAD (AMPS): 134.3 — DEMAND LOAD (AMPS): 134.3
PANEL AMPACITY REQUIRED: 143.3

DEMAND PER PHASE (AMPS)	143.3	A
	137.5	B
	122.5	C

CONNECTED PER PHASE (AMPS)	143.3	A
	137.5	B
	122.5	C

NOTES: BREAKER TYPES: GF=GFCI, AF=AFCI, SH=SHUNT TRIP, SW=SWITCHED NEUTRAL, L=LOCKABLE

HVAC NOTE: DESIGN BASIS EQUIPMENT FOR THIS PROJECT USES A1 TYPE REFRIGERANTS, INCLUDING R410A. CURRENT REFRIGERANT RULES FROM THE EPA IMPOSES RESTRICTIONS ON A1 TYPE REFRIGERANTS, INCLUDING EQUIPMENT MANUFACTURED AFTER 1/1/2025 OR INSTALLED AFTER 1/1/2026. IF CONSTRUCTION RESULTS IN EQUIPMENT CHANGES TO A2L TYPE REFRIGERANT, THERE WILL BE CHANGES REQUIRED TO MEET ASHRAE 15-2022, INCLUDING EQUIPMENT, CONTROLS, ELECTRICAL AND SAFETY REQUIREMENTS.

PANELBOARD SCHEDULE UDSH (BY OTHERS)

MAIN: 125 A MLO | VOLTAGE: 480/277 3 PHASE 4 WIRE | AIC: 22,000 | MOUNTING: SURFACE

CKT #	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	WH/ EV	NON CON	BKR TYP	TRIP/ POLE	PHASE	TRIP/ POLE	BKR TYP	LTG	REC	MTR	A/C	HTG	KIT	WH/ EV	NON CON	DESCRIPTION	CKT #
	FRYER								7.5		35/3	A	20/3									3.6	COMBI OVEN	
	---								7.5		--	B	--									3.6	---	
	---								7.5		--	C	--									3.6	---	
	FRYER								7.5		35/3	A	20/3									3.6	COMBI OVEN	
	---								7.5		--	B	--									3.6	---	
	---								7.5		--	C	--									3.6	---	
	KESF-1				6.5						30/3	A	20/3		1.3								KEF-1	
	---				6.5						--	B	--		1.3								---	
	---				6.5						--	C	--		1.3								---	
	SPACE										20/1	A	20/1										SPACE	

LIGHTING:	0.0	CONNECTED (KVA)	125%	=	0.0	DEMAND (KVA)	
RECEPTACLES:	0.0	FIRST 10kVA x 100% + REMAINING x 50%		=	0.0		
MOTORS:	23.4	100% +25% LARGEST MOTOR LOAD		=	23.4		
A/C:	0.0		100%	=	0.0		
HEATING:	0.0		100%	=	0.0		
KITCHEN:	0.0		65%	=	0.0		
WATER HEATER/EV CHARGER:	0.0		125%	=	0.0		
DEDICATED/NONCONTINUOUS:	66.6		100%	=	66.6		

CONNECTED LOAD (KVA): 90.0 — DEMAND LOAD (KVA): 90.0
CONNECTED LOAD (AMPS): 108.3 — DEMAND LOAD (AMPS): 108.3
PANEL AMPACITY REQUIRED: 108.3

DEMAND PER PHASE (AMPS)	108.3	A
	108.3	B
	108.3	C

CONNECTED PER PHASE (AMPS)	108.3	A
	108.3	B
	108.3	C

NOTES: BREAKER TYPES: GF=GFCI, AF=AFCI, SH=SHUNT TRIP, SW=SWITCHED NEUTRAL, L=LOCKABLE

HVAC NOTE: DESIGN BASIS EQUIPMENT FOR THIS PROJECT USES A1 TYPE REFRIGERANTS, INCLUDING R410A. CURRENT REFRIGERANT RULES FROM THE EPA IMPOSES RESTRICTIONS ON A1 TYPE REFRIGERANTS, INCLUDING EQUIPMENT MANUFACTURED AFTER 1/1/2025 OR INSTALLED AFTER 1/1/2026. IF CONSTRUCTION RESULTS IN EQUIPMENT CHANGES TO A2L TYPE REFRIGERANT, THERE WILL BE CHANGES REQUIRED TO MEET ASHRAE 15-2022, INCLUDING EQUIPMENT, CONTROLS, ELECTRICAL AND SAFETY REQUIREMENTS.

DEMAND LOAD CALCS KLB1

LIGHTING (CONTINUOUS LOADS)	2.80	KVA	X	125	%	=	3.5	KVA
RECEPTACL TOTAL	16.70	KVA						
1ST	10.0	KVA	X	100	%	=	10.0	KVA
REMAIN	6.70	KVA	X	50	%	=	3.4	KVA
MOTORS	0.00	KVA	X	100	%	=	0.0	KVA
A/C	0.00	KVA	X	100	%	=	0.0	KVA
HEATING	0.00	KVA	X	100	%	=	0.0	KVA
LOCKED-OUT LOAD	____	KVA	X	100	%	=	0.0	KVA
KITCHEN	72.80	KVA	X	65	%	=	47.3	KVA
WATER HEATERS (CONTINUOUS LOADS)	0.00	KVA	X	125	%	=	0.0	KVA
DEDICATED CIRCUITS (NON CONTINUOUS LOADS)	48.40	KVA	X	100	%	=	48.4	KVA
TOTAL						=	112.6	KVA

DEMAND LOAD CALCS UDSL

LIGHTING (CONTINUOUS LOADS)	0.00	KVA	X	125	%	=	0.0	KVA
RECEPTACL TOTAL	0.00	KVA						
1ST	10.0	KVA	X	100	%	=	0.0	KVA
REMAIN	0.00	KVA	X	50	%	=	0.0	KVA
MOTORS	0.00	KVA	X	100	%	=	0.0	KVA
A/C	0.00	KVA	X	100	%	=	0.0	KVA
HEATING	0.00	KVA	X	100	%	=	0.0	KVA
LOCKED-OUT LOAD	____	KVA	X	100	%	=	0.0	KVA
KITCHEN	0.00	KVA	X	65	%	=	0.0	KVA
WATER HEATERS (CONTINUOUS LOADS)	0.00	KVA	X	125	%	=	0.0	KVA
DEDICATED CIRCUITS (NON CONTINUOUS LOADS)	48.40	KVA	X	100	%	=	48.4	KVA
TOTAL						=	48.4	KVA

DEMAND LOAD CALCS HKLB1

LIGHTING (CONTINUOUS LOADS)	0.00	KVA	X	125	%	=	0.0	KVA
RECEPTACL TOTAL	0.00	KVA						
1ST	10.0	KVA	X	100	%	=	0.0	KVA
REMAIN	0.00	KVA	X	50	%	=	0.0	KVA
MOTORS	23.40	KVA	X	100	%	=	23.4	KVA
A/C	19.50	KVA	X	100	%	=	19.5	KVA
HEATING	0.00	KVA	X	100	%	=	0.0	KVA
LOCKED-OUT LOAD	____	KVA	X	100	%	=	0.0	KVA
KITCHEN	0.00	KVA	X	65	%	=	0.0	KVA
WATER HEATERS (CONTINUOUS LOADS)	0.00	KVA	X	125	%	=	0.0	KVA
DEDICATED CIRCUITS (NON CONTINUOUS LOADS)	####	KVA	X	100	%	=	102.6	KVA
TOTAL						=	145.5	KVA

DEMAND LOAD CALCS UDSH

LIGHTING (CONTINUOUS LOADS)	0.00	KVA	X	125	%	=	0.0	KVA
RECEPTACL TOTAL	0.00	KVA						
1ST	10.0	KVA	X	100	%	=	0.0	KVA
REMAIN	0.00	KVA	X	50	%	=	0.0	KVA
MOTORS	23.40	KVA	X	100	%	=	23.4	KVA
A/C	0.00	KVA	X	100	%	=	0.0	KVA
HEATING	0.00	KVA	X	100	%	=	0.0	KVA
LOCKED-OUT LOAD	____	KVA	X	100	%	=	0.0	KVA
KITCHEN	0.00	KVA	X	65	%	=	0.0	KVA
WATER HEATERS (CONTINUOUS LOADS)	0.00	KVA	X	125	%	=	0.0	KVA
DEDICATED CIRCUITS (NON CONTINUOUS LOADS)	66.60	KVA	X	100	%	=	66.6	KVA
TOTAL						=	90.0	KVA

PANEL SCHEDULES | NTS | 2

WESTSIDE ENGINEERING
VE # 24269
CDA # 32602

200 Galleria Parkway
Suite 1150
Atlanta, GA 30339

404-965-1287 tel
404-601-9859 fax
cesslinger@westside-engineering.com

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

NOTES AND DETAILS

SHEET NUMBER

E-0.1

KEYNOTES:

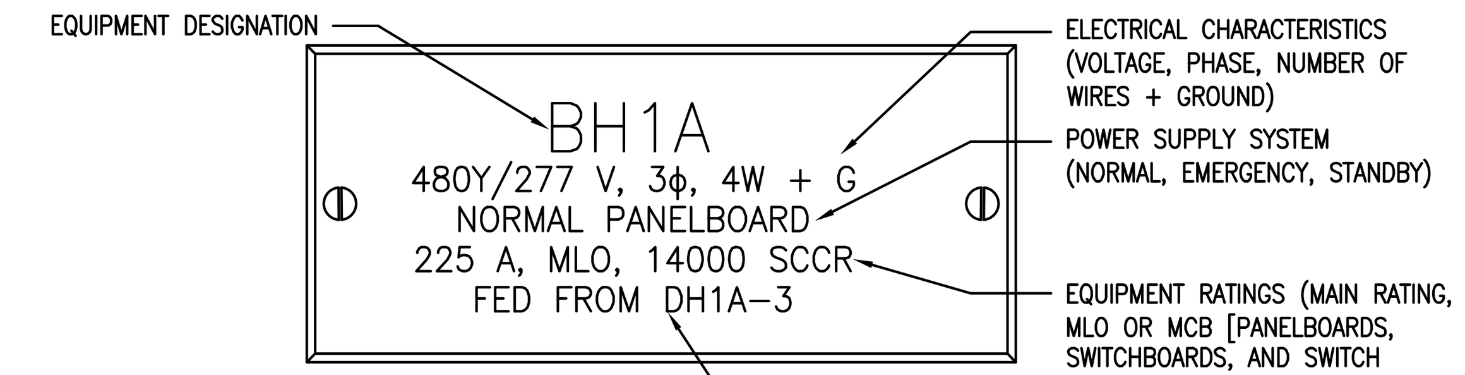
1. FOR KITCHEN HOOD FIRE SUPPRESSION SYSTEM, PROVIDE MICRO-SWITCHES, RELAYS, CONTACTORS AND WIRING TO CONTROL THE FOLLOWING FUNCTIONS UPON ACTIVATION OF THE SYSTEM:
   A. ENERGIZE COILS OF SHUNT-TRIP CIRCUIT BREAKERS TO DE-ENERGIZE ALL EQUIPMENT UNDER KITCHEN HOODS.
   B. ENERGIZE THE KITCHEN HOOD EXHAUST FAN.
   C DE-ACTIVATE HOOD SUPPLY FAN.
   D. ACTIVATE BUILDING FIRE ALARM SYSTEM.
2. NOT ACTUAL EQUIPMENT LOCATION. COORDINATE EXACT LOCATION WITH MECHANICAL.
3. REFER TO STUBBED-UP JUNCTION BOX DETAIL THIS SHEET. COORDINATE FINAL LOCATION WITH ARCHITECT.
4. REFER TO E-3 I.T. REQUIREMENTS SHEET FOR ADDITIONAL INFORMATION.
5. CONFIRM ELEC./DATA REQUIREMENTS FOR ORDER ENTRY TOUCH SCREEN OR POS, RECEIPT PRINTER, CASH DRAWER, AND CHIP READER. CONFIRM HTS PRIOR TO ROUGH-IN.
6. PROVIDE POWER/USB OUTLET @ 3'4" A.F.F. SIDEWAYS UNDER BAR TOP FOR LAPTOP CHARGING. GREY WITH ST. STEEL COVER.
7. PROVIDE POWER/USB OUTLET @ 34" A.F.F. SIDEWAYS FOR LAPTOP CHARGING AT ADA BAR SECTION.
8. FIVE TV'S AT BAR. SEE RCP SHEET A-4. POWER FOR MONITOR & CAT 6 FOR VIDEO PLAYER SURFACE MOUNTED TO TOP OF TRELLIS. G.C. TO ENSURE OUTLET IS NOT BLOCKED AFTER TV MOUNT IS INSTALLED AND NOT VISIBLE TO CUSTOMER. G.C. TO VERIFY TV MOUNT SPEC BEFORE OUTLETS/DATA JACKS ARE INSTALLED. COORDINATE ALL CONNECTIONS AND POWER REQUIREMENTS WITH SPEC SHEET FOR SYSTEM. COORDINATE EXACT LOCATION OF DEVICES WITH ARCHITECT.
9. POWER FOR MONITOR & CAT 6 FOR VIDEO PLAYER MOUNTED +/- 84" A.F.F. G.C. TO ENSURE OUTLET IS NOT BLOCKED AFTER TV MOUNT IS INSTALLED AND NOT VISIBLE TO CUSTOMER. G.C. TO VERIFY TV MOUNT SPEC BEFORE OUTLETS/DATA JACKS ARE INSTALLED. COORDINATE ALL CONNECTIONS AND POWER REQUIREMENTS WITH SPEC SHEET FOR SYSTEM. SEE ELECTRICAL FOR MORE INFO AND CONNECTIVITY SEE SHEET A-8 FOR MORE INFORMATION.
10. G.C. TO PROVIDE 1 FLOOR CORE FOR ELECTRICAL FEED AND CAT 6 DATA FROM ELECTRICAL PANEL TO POS. MOUNT JBOX TO MILLWORK WALL INSIDE CAB. AND THEN ROUTE TO ALL POWER LOCATIONS.
11. ILLUMINATED STOREFRONT SIGN. G.C. TO PROVIDE HIDDEN, BUT ACCESSIBLE J-BOX AT BACK OF ENTRY SOFFIT. PROVIDE AND INSTALL TIME CLOCK FOR STOREFRONT SIGN.
12. PROVIDE NEW 120V,1PH TIME CLOCK FOR SIGNAGE.
13. PLYWOOD BOARD TO MOUNT TENANT IT RACK IN KITCHEN AND HAVE THE FOLLOWING: CONSULT W/ OWNER ON FINAL LOCATION PRIOR TO INSTALL. ELECTRICAL CONTRACTOR TO INSTALL (2) OUTLETS IN IT CABINET (BY E.C.) FOR SECURITY CAMERA RACK. G.C. TO RUN CAT 6 CABLES (WITH EXTRA 2' SLACK) FROM EACH CAMERA ON SALES FLOOR TO CAMERA RACK. EACH END TO BE TERMINATED WITH STANDARD CAT 6 MALE END. TAG CAMERA WIRES FOR IDENTIFICATION FOR FINAL HOOK UP BY TENANT SECURITY CAMERA VENDOR. I.T. CABINET TO BE MOUNTED AT 7'-6" TO BOTTOM.
   -A/V HEAD END EQUIPMENT TO BE INSTALLED ON SHELF ADJACENT TO TENANT IT EQUIPMENT. IF SHELF NOT PROVIDED BY VENDOR, G.C. TO PROVIDE/ INSTALL. SEE SHEET A-3.1 FOR IT REQUIREMENTS. ALL LOW VOLTAGE WIRING TO BE PLENUM RATED.
14. POWER AND DATA FOR MANAGER'S DESK EQUIPMENT IN GATE POCKET WALL. SEE SHEET A-3.1 FOR I.T. REQUIREMENTS. ALL LOW VOLTAGE WIRING TO BE PLENUM RATED.
15. POWER/USB OUTLET AT POWER BAR. REFER TO 3/A-8.1. GREY WITH ST. STEEL COVER
16. NEW FIRE ALARM/ STROBES BY G.C. IF REQUIRED. SHOP DRAWING AND PERMIT BY G.C.
17. PROVIDE GROUND BUS WITH #6G TO MAIN ELECTRICAL SERVICE GROUND.
18. POWER AND DATA FOR KITCHEN DISPLAY EQUIPMENT. SEE SHEET E-3 FOR I.T. REQUIREMENTS. ALL LOW VOLTAGE WIRING TO BE PLENUM RATED. COORDINATE EXACT REQUIREMENTS.
19. COMBO OUTLET / USB CHARGER (DOUBLE SOCKET WITH 2 USB PORTS) BUILT INTO BANQUETTE AT 5"+/- AFF. COORDINATE W/ M.C. AS NEEDED. GREY WITH ST. STEEL COVER
20. ROUTE CIRCUIT VIA CONTACTOR FOR TIMECLOCK ON/ TIMECLOCK OFF OPERATION.
21. TRANSFORMER SUSPENDED ABOVE. REFER TO TRANSFORMER SUPPORT DETAIL, THIS SHEET.

ELECTRICAL ROUGH-IN NOTES

1. VERIFY ALL EQUIPMENT LOCATIONS AND MOUNTING HEIGHTS SHOWN WITH EQUIPMENT SUPPLIER AND OWNER PRIOR TO ROUGH-IN.
2. ALL 20A 1P RECEPTACLES IN SCHEDULE SHALL BE GFI PROTECTED.
3. VERIFY ALL LOADS AND CONNECTION FOR ACTUAL EQUIPMENT SUPPLIED PRIOR TO ROUGH-IN. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
4. COORDINATE EXACT LOCATION WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

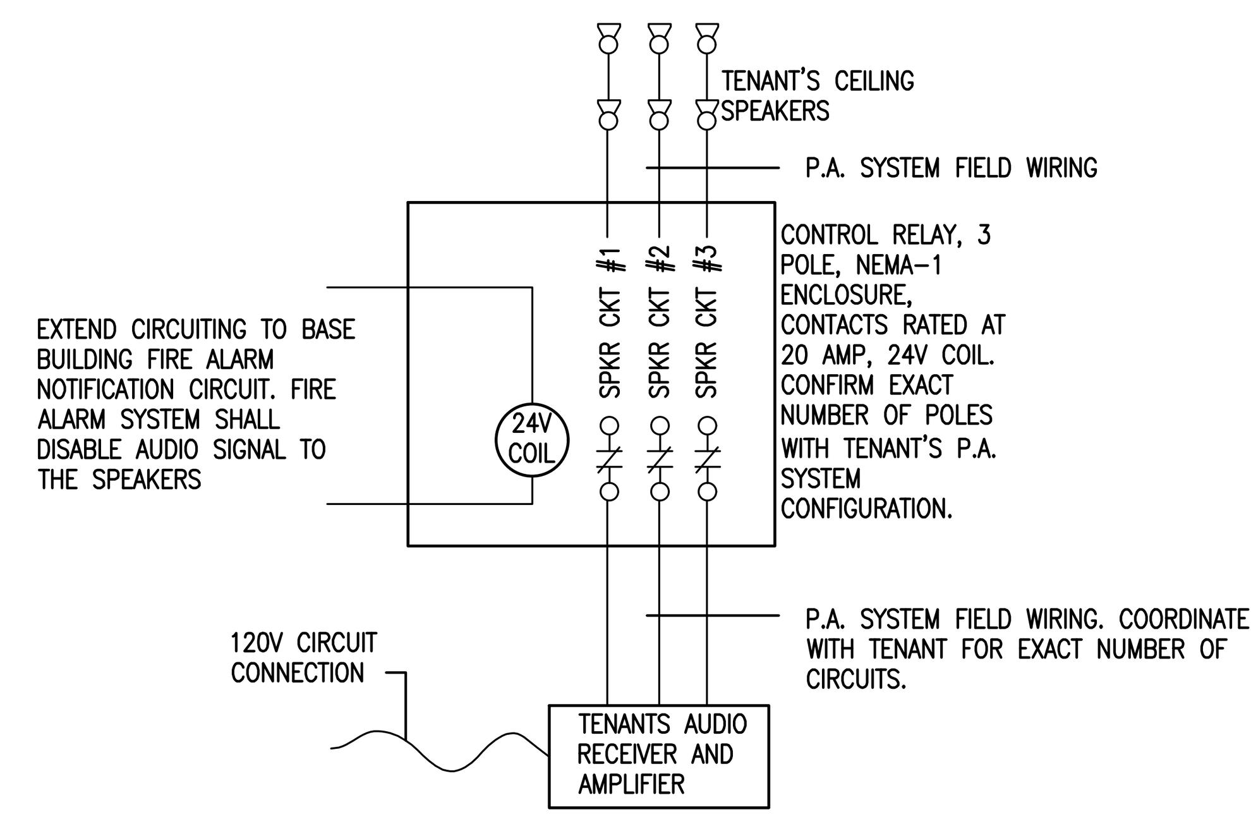
ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BTC	BRANCH TO CONNECT
CLG	CEILING
DFA	DOWN FROM ABOVE
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
FLR.	FLUSH WITH FLOOR
FS	FLOOR SINK
VRF	VERIFY W/EQUIPMENT SUPPLIER



NAMEPLATE BACKGROUND COLORS SHALL BE BLACK FOR NORMAL POWER SUPPLY SYSTEMS, RED FOR LEGALLY REQUIRED EMERGENCY POWER SUPPLY SYSTEMS, AND YELLOW FOR OPTIONAL STANDBY POWER SUPPLY SYSTEMS.

EQUIPMENT NAMEPLATE DETAIL	NTS	5

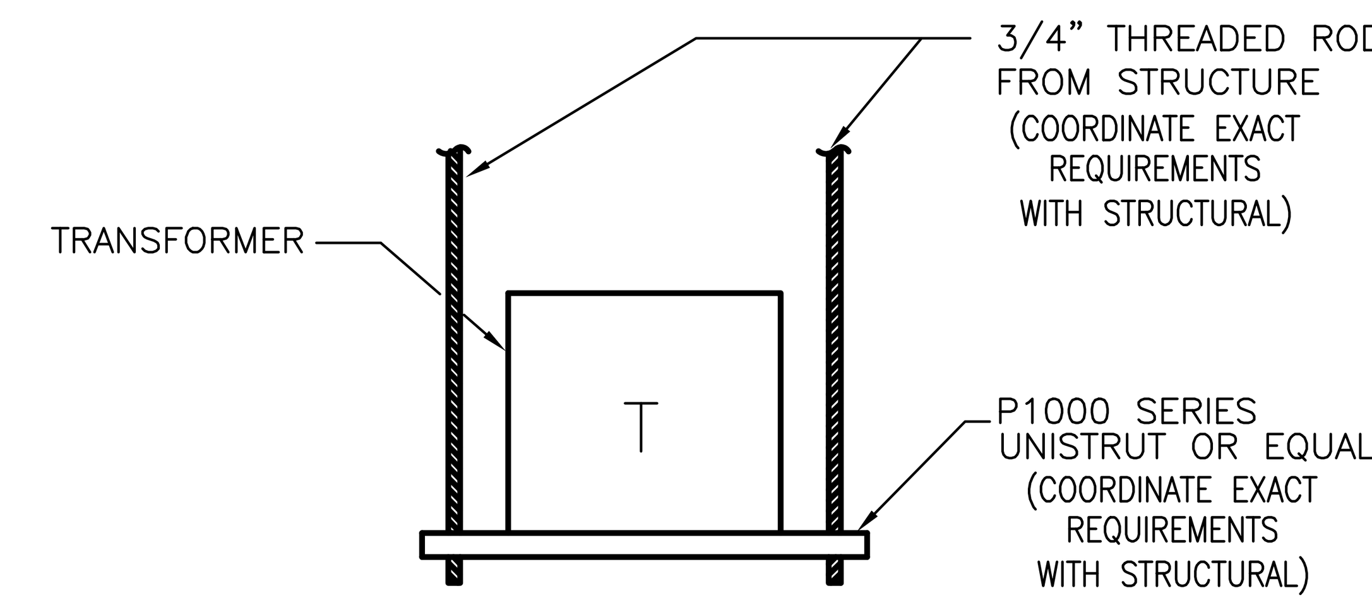


IN THE EVENT OF THE BASE BUILDING FIRE ALARM INITIATION, THE FIRE ALARM PANEL SHALL PROVIDE AN OUTPUT SIGNAL TO INTERLOCK AND DISABLE ALL AUDIO SIGNALS WITHIN THE TENANT'S SPACE. THE TENANT'S AUDIO AMPLIFIER AND RECEIVER SHALL REMAIN "ON" BUT THE OUTPUT SIGNAL SHALL NOT BE BROADCAST THROUGH OUT THE TENANT'S SPACE SO THAT THE OCCUPANTS CAN AUDIBLY HEAR THE BASE BUILDING FIRE ALARM NOTIFICATION.

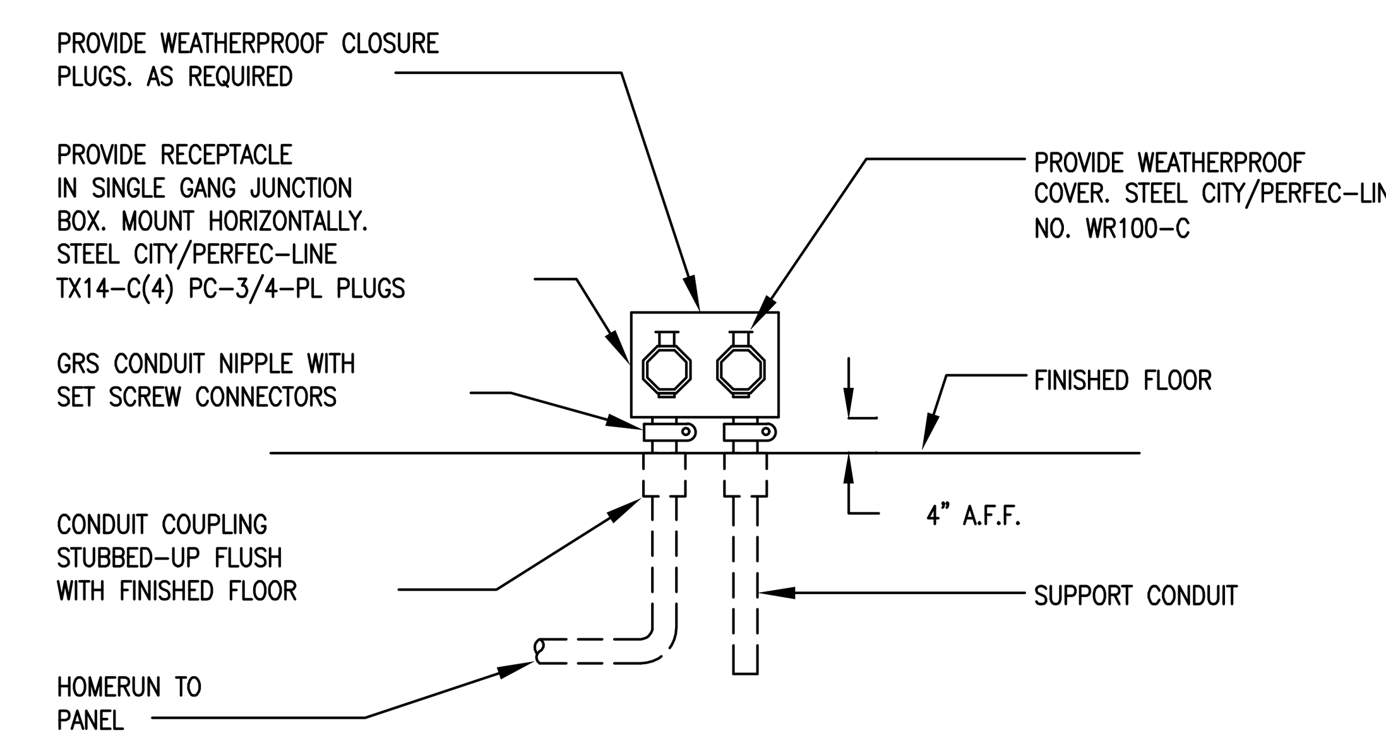
GC SHALL EMPLOY AN APPROVED AIRPORT FIRE ALARM CONTRACTOR TO INSTALL NEW FIRE ALARM DEVICES.

SOUND SYSTEM - FIRE ALARM INTERLOCK	NTS	4

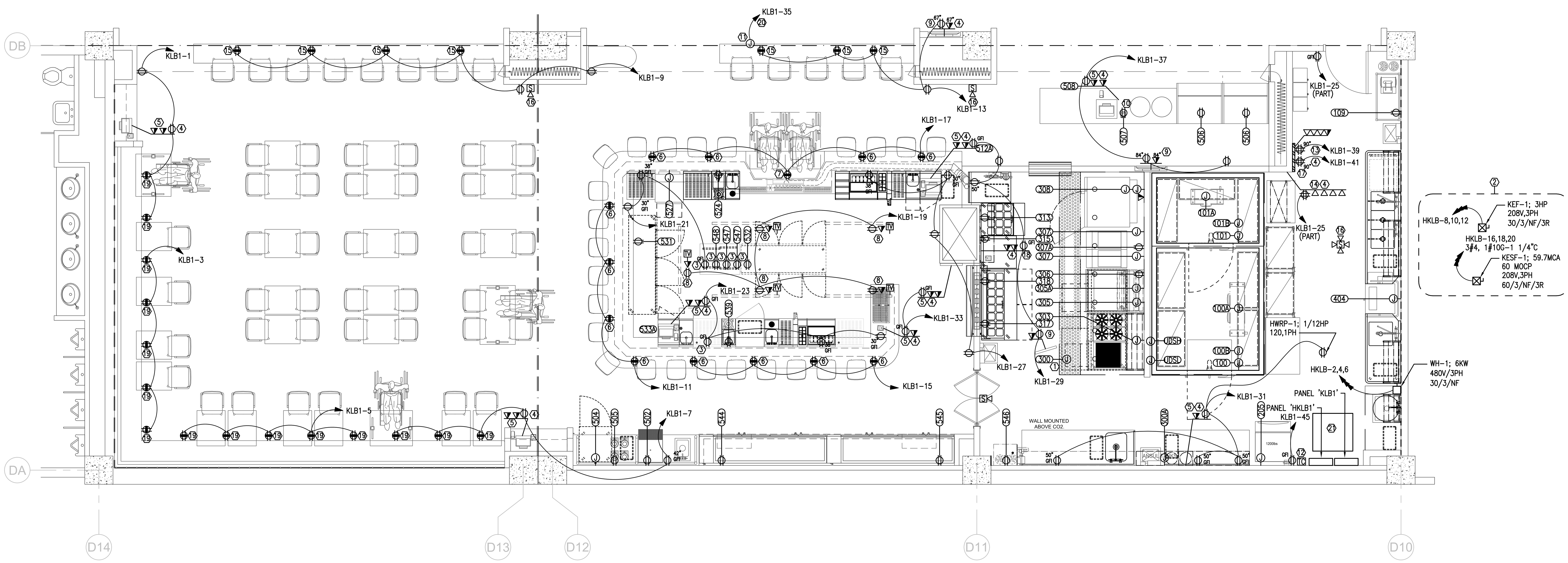
WESTSIDE ENGINEERING
WE # 24269
CDA # 32602
200 Galleria Parkway
Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax



TRANSFORMER SUPPORT DETAIL	NTS	3



STUBBED-UP JUNCTION BOX OR RECEPTACLE MOUNTING DETAIL	NTS	2



ELECTRICAL PLAN - POWER	1/4" = 1' - 0"	1

DATE:	10/07/2024
JOB NO:	414
DRAWN:	STAFF
CHECKED:	TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEY LIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

ELECTRICAL PLAN - POWER

SHEET NUMBER

E-1

KEYNOTES:

① G.C. TO CONFIRM QUANTITY AND LOCATION OF WALL MOUNTED SPEAKERS WITH OWNERS A/V CONSULTANT. SPEAKERS TO BE BLACK. NOTE: ALL TENANT SOUND SYSTEMS SHALL BE INTERLOCKED WITH THE BUILDINGS FIRE ALARM SYSTEM TO TERMINATE OPERATION UPON A SIGNAL FROM THE FIRE ALARM. WORK ON THE EXISTING FIRE ALARM SYSTEM SHALL BE CARRIED OUT BY AN AUTHORITY APPROVED CONTRACTOR AT THE TENANT'S EXPENSE.

② CAMERAS BY OWNER. CONDUIT/ WIRE SUPPLIED AND INSTALLED BY G.C. FINAL CAMERA LOCATIONS TO BE DETERMINED BY OWNER, TYPICAL CAMERA LENS TO BE LOCATED FLUSH WITH BOTTOM OF CEILING FEATURE WITHOUT OBSTRUCTED VIEW. CAMERA RACK TO BE LOCATED IN STOCK ROOM AS INDICATED ON POWER-SIGNAL PLAN. CAMERAS TO BE BCOLOR INDICATED IN SCHEDULE. EACH POS CAMERA TO BE LOCATED 5'-6' FROM CENTER OF EACH POS/ TOUCHSCREEN.

③ DINING/ BAR SWITCH BANK LOCATION. STACK SWITCHES AS REQUIRED. COORD DIMMING REQUIREMENTS. SWITCHING FOR DINING/BAR AS FOLLOWS:
- SDa – PROVIDE (1) DIMMER SWITCH SERVING PLAN NORTH DINING TRACK LIGHTING.
- SDb – PROVIDE (1) DIMMER SWITCH SERVING PLAN SOUTH DINING TRACK LIGHTING.
- SDc – PROVIDE (1) DIMMER SWITCH SERVING PLAN EAST DINING TRACK LIGHTING.
- SDd – PROVIDE (1) DIMMER SWITCH SERVING PLAN WEST DINING TRACK LIGHTING.
- SDe – PROVIDE (1) DIMMER SWITCH SERVING 'C1' FIXTURES IN CENTER OF DINING AREA.
- SDf – PROVIDE (1) SINGLE POLE SWITCH SERVING STRIP LIGHT 'L' IN CENTER OF DINING.
- SDg – PROVIDE (1) DIMMER SWITCH SERVING PLAN NORTH BAR TRACK LIGHTING.
- SDh – PROVIDE (1) DIMMER SWITCH SERVING PLAN SOUTH BAR TRACK LIGHTING.
- SDi – PROVIDE (1) SINGLE POLE SWITCH SERVING STRIP LIGHT 'L' IN BAR.
- SDj – PROVIDE (1) SINGLE POLE SWITCH SERVING STRING LIGHT (SWITCHED) RECEPTACLE.
- SDk – PROVIDE (1) DIMMER SWITCH SERVING 'C' FIXTURES IN CENTER OF BAR.
- SDl – PROVIDE (1) DIMMER SWITCH SERVING 'A' FIXTURES AT ENTRY OF BAR AND RESTAURANT.
- SDm– PROVIDE (1) DIMMER SWITCH SERVING 'A' FIXTURES AT BAR.

④ PROVIDE (1) SWITCHED DUPLEX RECEPTACLE HIGH FOR STRING LIGHTING. REFER TO LIGHTING FIXTURE SCHEDULE THIS SHEET FOR FURTHER INFORMATION. COORDINATE RECEPTACLE LOCATION WITH ARCHITECT.

GENERAL NOTES:

1. PULL AN UNSWITCHED PHASE CONDUCTOR TO ALL EMERGENCY AND EGRESS LIGHTING.

SECURITY CAMERA SCHEDULE

ALL NECESSARY CONDUIT, WIRE, JBOXES, AND THREAED RODS BY G.C. OWNER TO AFFIX CAMERA ONLY

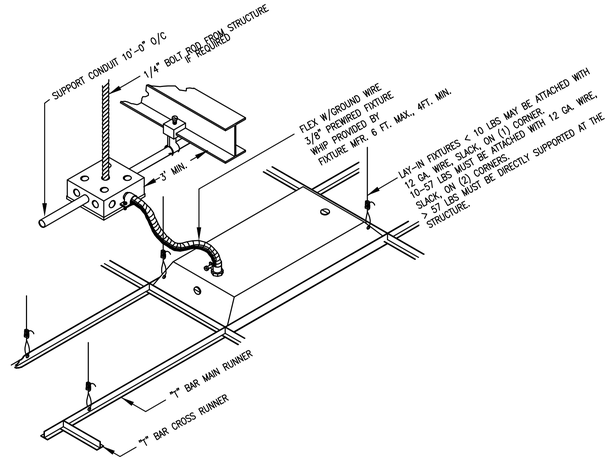
SYMBOL	DESCRIPTION	QTY	CATALOG #: REMARKS
F	SURFACE MTD. FIXED SECURITY CAMERA	9 WHITE	CONDUIT, WIRE PULL AND ELECTRICAL CONNECTIONS BY GC. CAMERA, LOCATION, AND AFFIX BY OWNER.
FC	SURFACE MTD. FIXED SECURITY CAMERA– COLD	2 WHITE	CONDUIT, WIRE AND ELEC CONNECTIONS BY GC. FOLLOW NFPA 70 GUIDELINES FOR COOLER CAMS. GC TO SEAL PENETRATION. CAMERA, LOCATION, AND AFFIX BY OWNER.
F-H	FIXED ON THREADED ROD FROM ROOF	2 BLACK	CONDUIT, WIRE PULL AND ELECTRICAL CONNECTIONS BY GC. CAMERA, LOCATION, AND AFFIX BY OWNER. CONDUIT/ WIRE TO BE BLACK
360°-H	360° ON THREADED ROD FROM ROOF	2 BLACK	CONDUIT, WIRE PULL AND ELECTRICAL CONNECTIONS BY GC. CAMERA, LOCATION, AND AFFIX BY OWNER. CONDUIT/ WIRE TO BE BLACK
360°	SURFACE MTD. 360° SECURITY CAMERA	4 WHITE	CONDUIT, WIRE PULL AND ELECTRICAL CONNECTIONS BY GC. CAMERA, LOCATION, AND AFFIX BY OWNER.
S	SPEAKER	6 BLACK	WALL MOUNTED AT 12'. BLACK WIRE TO EACH SPEAKER BY G.C.

LIGHTING SCHEDULE

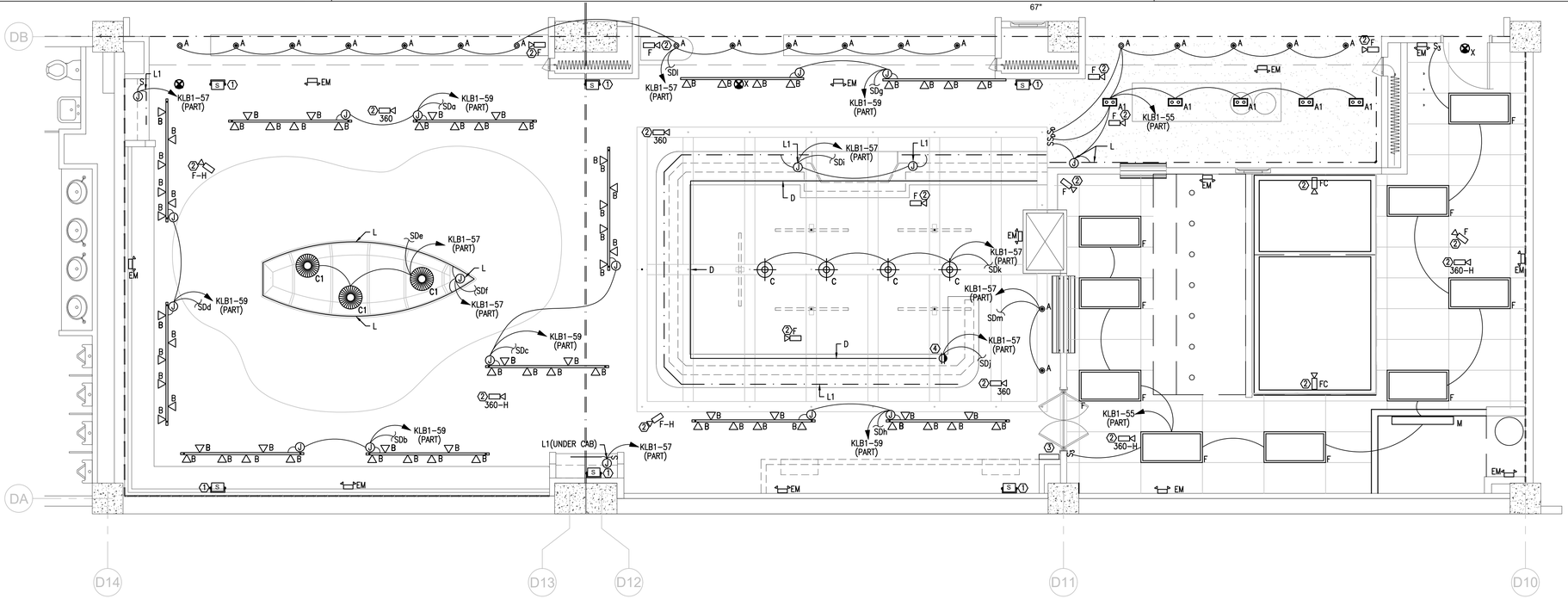
ALL LIGHTING FIXTURES & LAMPS SUPPLIED BY OWNER, INSTALL BY G.C.

SYMBOL		DESCRIPTION	QTY	VOLTAGE	WATTS/CCT	CATALOG #: REMARKS	DIMMABLE	NOTES
◎	A	LED DOWNLIGHT	20	120	14W LED 3500K	SENSO, LATONA– 510–FL–A90– 615–35–15–00–01–915–DIM–120 WHITE FIXTURE @ STOREFRONT SOFFIT.	Y	
	A1	LED MULTISPOT (28 WATTS EACH)	5	120	15.7W LED 3500K	SOLAIS, SAR12/1/OF/PW/PW/SP/9/35/1600/UNV120/LS	N	
▽ ▽	B	LED TRACK SYSTEM– ADJ. BEAM SPREAD	68 12	120	15W LED 3500K	JUNO, R620L – 15W – 35K – 90CRI – BLACK. HEADS AIMED TO LIGHT GRAPHIC SET TO WIDE SPREAD. HEADS AIMED AT FLOOR OR TABLES SET TO NARROW. 8', T8 TRACKS, BLACK. HANG VIA THREADED ROD AT 11'–6", OR MOUNT TO SOFFIT BACK FACE AS SHOWN. ALL PARTS BLACK.	Y	1 9
	C	RATTAN PENDANT	4	120	9.5W LED 2700K	BERKLIN 1–LIGHT NATURAL DOME PENDANT. AVAILABLE AT WAYFAIR.COM, SKU: W110940835, $148.79 EA. MOUNT AT 6'–9" AFF TO BOTTOM. LAMP: 60 W EQ, E26 LED, 2700K	Y	6
	C1	RATTAN PENDANT	3	120	4W LED 2700K	JANICA 2–LIGHT GEOMETRIC CHANDELIER. AVAILABLE AT WAYFAIR.COM, SKU: W100282908, $74.99 EA. MOUNT AT 8'–0" AFF. LAMP: 40 W EQ, CANDELABRA LED, 2700K	Y	2,7
	D	LED FESTOON–STRING	3			25' FESTOON STRING FIXTURE, BLACK, ATTACH TO TRELLIS MEMBERS, END TO END CONNECTION. AVAILABLE AT WWW.1000BULBS.COM, SKU: PLTS–12133	Y	3
	D	LED FESTOON–LAMP	50	120	3.5W LED 2700K	300 LUMEN, MEDIUM BASE, S14 BULB, 2700 K, AVAILABLE AT WWW.1000BULBS.COM, SKU: PLTS–13270		
	EM	EMERGENCY LIGHT W/ BATTERY	5	120	FURNISH WITH UNIT	(2) IN KITCHEN TO BE WHITE (3) IN DINING ROOM TO BE BLACK	N	
	F	FLOURESCENT TROFFER	9	120	38.9W LED 3500K	LITHONIA LIGHTING,CPX – 2X4 – 400LM – 35K – M2. 2' X 4'. 38.9 WATTS. WHITE	N	
	L	FLEXIBLE LED STRIP LIGHT	TBD	120	5W/FT MAX LED 3000K	HERA,CURVE–LED, 3000K, E. SAM JONES TO DETERMINE BEST LENGTHS AND PROPER TRANSFORMERS TO INCLUDE WITH ORDER. FORBOAT TOP EDGE LIGHTING.	N	4
	M	LED STRIP LIGHT	1	120	35W MAX 3500K	MOUNTED TO INTERIOR SIDE OF BULKHEAD IN KITCHEN. PURCHASE LOCALLY. CIRCUIT WITH OTHER 'F' LIGHTS.	N	5
⊗	X	EXIT SIGN	3	120	FURNISH WITH UNIT	LIGHTED EXIT SIGN. KITCHEN TO HAVE WHITE BODY WITH RED LETTERS. DINING ROOM TO HAVE BLACK BODY WITH GREEN LETTERS	N	

1. TRACK HEADS DESIGNED TO LIGHT WALL GRAPHICS AND PROVIDE CIRCULATION LIGHTING. FINAL AIMING TO BE DIRECTED BY OWNER, ACCOMPLISHED BY GC.
2. JBOX MOUNTED INSIDE BOAT. PAINT JBOX TO MATCH PENDANT ESCUTCHEON.
3. SEE RENDERINGS FOR APPROXIMATE SWAG HANGING HEIGHTS.
4. LED STRIP IS BENDABLE TO ALLOW FOR CONTINUOUS INSTALLATION WITHOUT BREAKS. SET INTO ROUTS.
5. INSTALL AT BOTTOM OF HEADER TO LIGHT XFRMRS AND ELEC PANELS.
6. PROVIDE (1) 9.5W E26 BASE (60 WATT EQUIVALENT) DIMMABLE LED REPLACEMENT BULB. 2700K
7. PROVIDE (2) 4W E12/CANDELABRA BASE (40 WATT EQUIVALENT) DIMMABLE LED REPLACEMENT BULB. 2700K
8. CONTRACTOR TO PROVIDE ALL COMPONENTS FOR COMPLETE INSTALLATION, INCLUDING ALL MOUNTING HARDWARE. COORDINATE LENGTHS OF FIXTURE IN FIELD.
9. PROVIDE TRACK WITH COMPATIBLE 3A(360W) TRACK LIMITING DEVICE. COORDINATE MOUNTING WITH ARCHITECT.



LAY-IN FIXTURE DETAIL | NTS | 1



ELECTRICAL PLAN - LIGHTING | ¼" = 1' - 0" | 2

WESTSIDE ENGINEERING
VE # 24269
CDA # 32602

200 Galleria Parkway
Suite 1150
Atlanta, GA 30339

404-965-1287 tel
404-601-9859 fax
cadalinge@westsideengineering.com

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

SEAL

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

ELECTRICAL PLAN - LIGHTING

SHEET NUMBER

E-2

SPECIFICATIONS

SECTION 220100 - PLUMBING GENERAL:

A. GENERAL

1. CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, TOOLS AND LABOR NECESSARY TO PROVIDE A COMPLETE PLUMBING SYSTEM COMPLIANT WITH ALL REQUIRED CODES & STANDARDS.

2. DRAWINGS ARE SCHEMATIC IN NATURE AND SHALL NOT BE SCALED.

3. ALL REQUIRED PERMITS & INSPECTIONS SHALL BE SECURED & PAID FOR UNDER THIS CONTRACT. INSPECTION CERTIFICATIONS SHALL BE PROVIDED TO THE OWNER.

4. CONTRACTOR SHALL VISIT THE SITE TO THOROUGHLY EXAMINE EXISTING CONDITIONS PRIOR TO SUBMITTING BID. IF EXISTING CONDITIONS DIFFER FROM DESIGN DOCUMENTS IN SUCH A MANNER THAT AFFECTS PRICING, THE CONTRACTOR SHALL ADJUST THE BID ACCORDINGLY AND NOTIFY THE OWNER & ENGINEER PRIOR TO SUBMITTING THE BID. NO ALLOWANCES WILL BE MADE FOR LACK OF KNOWLEDGE REGARDING THE EXISTING CONDITIONS.

C. IDENTIFICATION

1. PERMANENT BAKELITE TAGS WITH 1" TALL LETTERS SHALL BE PROVIDED FOR ALL EQUIPMENT. EQUIPMENT NUMBERING SHALL MATCH BUILDING STANDARDS.

D. SUBMITTALS & SHOP DRAWINGS

4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS & PRODUCT DATA FOR ALL PLUMBING EQUIPMENT & SYSTEMS TO BE PROVIDED AND/OR INSTALLED.

F. SUBSTITUTE MANUFACTURERS

1. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION & COST OF ALL CHANGES REQUIRED FOR INSTALLATION OF EQUIPMENT & PRODUCTS MANUFACTURED BY THOSE OTHER THAN WHAT IS SPECIFIED IN THE CONTRACT DOCUMENTS.

2. CAREFULLY COORDINATE SUBSTITUTE MANUFACTURER'S INSTALLATION REQUIREMENTS WITH ALL OTHER TRADES INCLUDING BUT NOT LIMITED TO STRUCTURE, ELECTRICAL, PLUMBING AND ARCHITECTURAL. ALL INSTALLATION COSTS ASSOCIATED WITH INSTALLATION OF SUBSTITUTE MANUFACTURER SHALL BE INCLUDED IN BID. NO ALLOWANCES SHALL BE GIVEN FOR CHANGES ASSOCIATED WITH INSTALLATION OF SUBSTITUTE EQUIPMENT & SYSTEMS.

3. LISTING OF A MANUFACTURER AS AN "EQUAL" DOES NOT RELIEVE CONTRACTOR'S RESPONSIBILITY OF COORDINATION & COST ASSOCIATED WITH CHANGES REQUIRED TO OTHER TRADES.

G. WARRANTY

1. CONTRACTOR SHALL WARRANT ALL EQUIPMENT, MATERIALS AND WORKMANSHIP FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR.

H. AS-BUILT DRAWINGS

1. CONTRACTOR SHALL KEEP REDLINE SET OF DRAWINGS ON SITE DURING CONSTRUCTION TO UPDATE LOCATION OF ALL EQUIPMENT AND SYSTEMS AS THE CONSTRUCTION PROGRESSES. REDLINE SET OF DRAWINGS SHALL BE TURNED OVER TO OWNER AT COMPLETION OF CONSTRUCTION.

I. OPERATION & MAINTENANCE MANUALS

1. CONTRACTOR SHALL PROVIDE AN ELECTRONIC SET AND ONE (1) SET OF HARD COPIES OF INSTALLATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT & SYSTEMS PROVIDED UNDER THIS CONTRACT.

J. INSTRUCTION

1. CONTRACTOR SHALL THOROUGHLY INSTRUCT OWNER ON OPERATION AND RECOMMENDED MAINTENANCE PROCEDURES OF ALL INSTALLED EQUIPMENT & SYSTEMS.

SECTION 24000 PLUMBING SYSTEMS

A. ALL SANITARY PIPING GREATER THAN 2" SHALL BE SLOPED AT 1/8" PER FOOT. 2" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT.

B. ALL GREASE WASTE PIPING SHALL BE SLOPED AT 1/4" PER FOOT MINIMUM.

C. SANITARY & VENT PIPING SHALL BE SOLID WALL SCHEDULE 40 PVC ABOVE GRADE.

D. ALL GREASE WASTE PIPING SHALL BE SOLID WALL SCHEDULE 40 PVC DWV TYPE FITTINGS.

E. DOMESTIC WATER & CONDENSATE PIPING SHALL BE TYPE L HARD COPPER WITH LEAD FREE SOLDERED JOINTS. CONDENSATE PIPING SHALL BE INSTALLED WITH DWV TYPE FITTINGS.

F. ALL CONDENSATE & COLD WATER PIPING SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION WITH WHITE ALL SERVICE JACKET.

G. HOT WATER AND HOT WATER RETURN PIPING SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION WITH WHITE ALL SERVICE JACKET.

H. WATER HAMMER ARRESTORS SHALL BE PROVIDED & SIZED PER PDI GUIDELINES AT ALL QUICK CLOSING VALVES. ALL PIPING SHALL BE PRESSURE TESTED PRIOR TO CONCEALING OR INSULATING THE PIPING.

I. ALL PIPING SHALL BE CONCEALED WITHIN WALLS OR ABOVE CEILING.

J. PIPING INSTALLED ABOVE CEILING SHALL BE INSTALLED AS HIGH AS POSSIBLE.

K. ALL VALVES LOCATED ABOVE CEILING SHALL BE LOCATED WITHIN 1' OF ACCESS PANEL OR 1' ACCESSIBLE CEILING.

L. REFER TO ARCHITECTURAL FLOOR PLANS & ELEVATIONS FOR EXACT LOCATIONS OF PLUMBING FIXTURES.

M. PLUMBING SYSTEMS SHALL NOT BE INSTALLED WITHIN OR PASSING THROUGH, ELECTRICAL CLOSETS, SWITCHGEAR ROOMS, TELEPHONE ROOMS, ELEVATOR EQUIPMENT ROOMS OR ABOVE ELECTRICAL PANELS.

N. INSTALL IDENTIFICATION MARKERS ON ALL PIPING SYSTEMS & VALVES THAT INCLUDE SERVICE TYPE & DIRECTION OF FLOW PER ASME A13.1.

O. ALL DOMESTIC WATER PIPING SYSTEMS SHALL BE FLUSHED & DISINFECTED. SYSTEMS SHALL BE FILLED WITH AN EVENLY DISTRIBUTED DOSE OF 50 TO 200 PPM CHLORINE. ALL FIXTURES & OUTLETS SHALL BE TESTED TO ENSURE EVEN DISTRIBUTION. AFTER 12 HOURS THE RESIDUAL CHLORINE SHALL BE TESTED. DISINFECTION PROCEDURE SHALL BE REPEATED UNTIL RESIDUAL CHLORINE LEVEL IS GREATER THAN 10 PPM AFTER SITTING UNDISTURBED FOR 12 HOURS. ONCE DISINFECTION PROCEDURE IS COMPLETE, SYSTEM SHALL BE THOROUGHLY FLUSHED WITH CLEAN WATER.

GENERAL NOTES (APPLY TO ALL SHEETS):

1. DRAWINGS ARE SCHEMATIC IN NATURE. CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, TOOLS AND LABOR NECESSARY TO PROVIDE A COMPLETE PLUMBING SYSTEM COMPLIANT WITH ALL REQUIRED CODES & STANDARDS.

2. CONTRACTOR SHALL VISIT THE SITE TO THOROUGHLY EXAMINE EXISTING CONDITIONS PRIOR TO SUBMITTING BID. IF EXISTING CONDITIONS DIFFER FROM DESIGN DOCUMENTS IN SUCH A MANNER THAT AFFECTS PRICING, THE CONTRACTOR SHALL ADJUST THE BID ACCORDINGLY AND NOTIFY THE OWNER & ENGINEER PRIOR TO SUBMITTING THE BID. NO ALLOWANCES WILL BE MADE FOR LACK OF KNOWLEDGE REGARDING THE EXISTING CONDITIONS.

3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE MOUNTING HEIGHTS & LOCATIONS.

4. COORDINATE ALL SAN, VENT, CW, HW, ETC. WITH EXISTING CONDITIONS & ALL OTHER TRADES.

5. WATER HAMMER ARRESTORS SHALL BE PROVIDED & SIZED PER PDI GUIDELINES AT ALL QUICK CLOSING VALVES.

6. ALL PIPING SHALL BE PRESSURE TESTED PRIOR TO CONCEALING OR INSULATING THE PIPING.

7. RETURN AIR PLENUM IS IN USE. ALL MATERIALS EXPOSED IN PLENUM SHALL BE PLENUM RATED. PVC PIPING IN RETURN AIR PLENUM SHALL BE PLENUM WRAPPED.

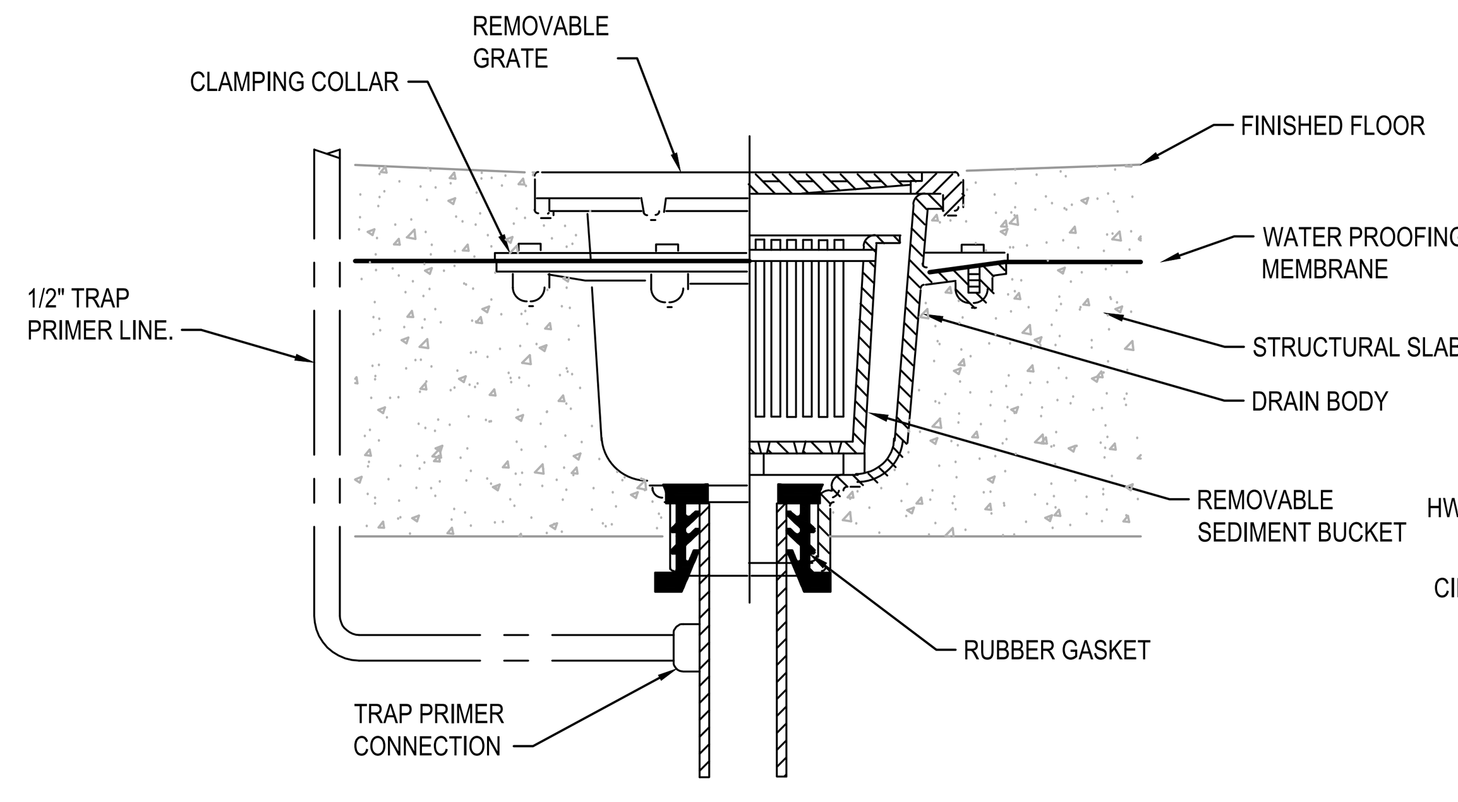
8. ALL NEW AND EXISTING GREASE WASTE PIPING AND SANITARY TRAPS NOT INSTALLED WITHIN HEATED SPACES SHALL BE HEAT TRACED AND INSULATED WITH POLYISOCYANURATE INSULATION WRAPPED WITH ALUMINUM JACKET AND CAULKED WATER TIGHT.

9. ALL WATER LINES LOCATED IN NON-HEATED AREAS SHALL BE HEAT TRACED AND INSULATED.

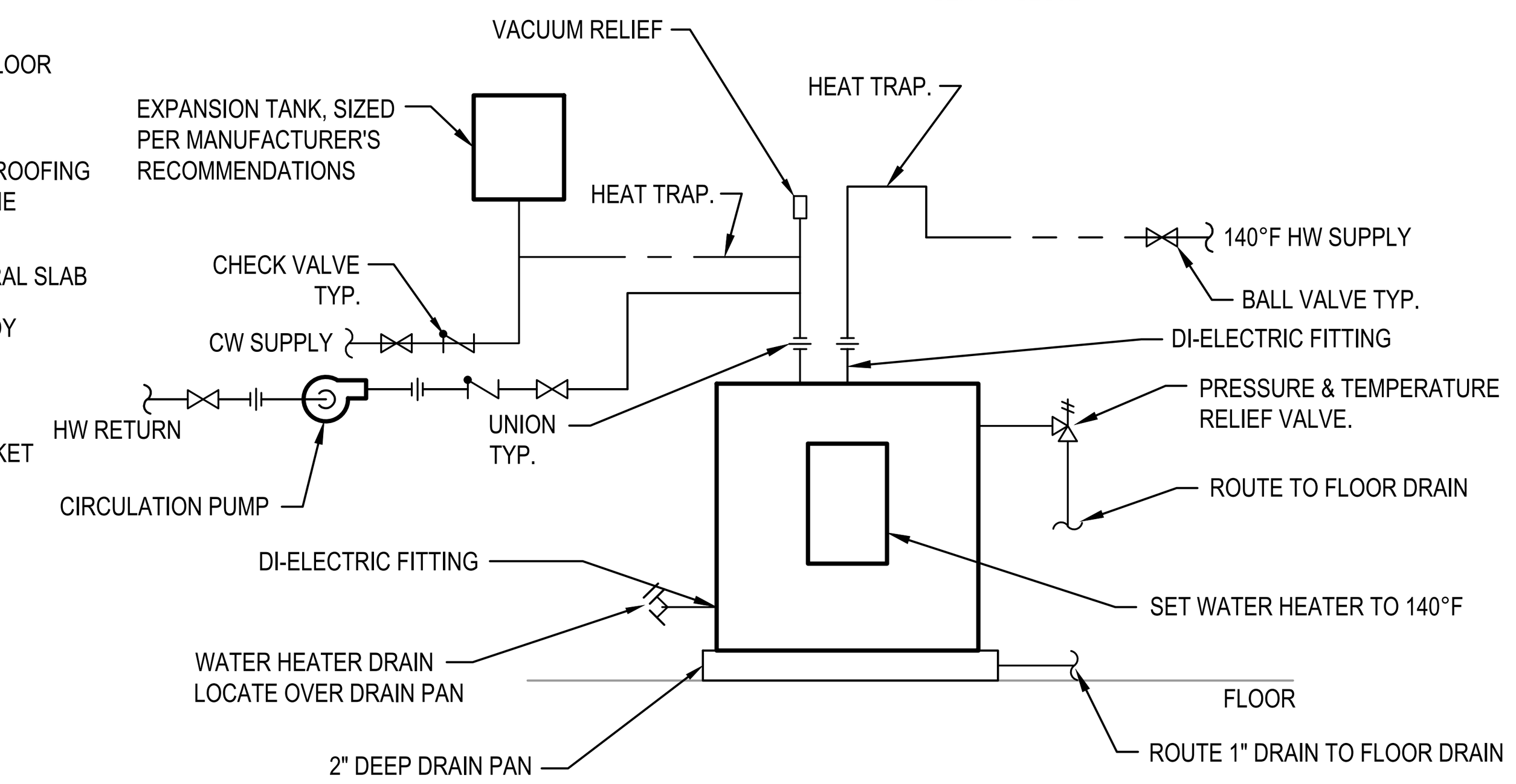
LEGEND

TAG	SYMBOL	DESCRIPTION
A/C		ABOVE CEILING
AFF		ABOVE FINISHED FLOOR
AHU		AIR HANDLING UNIT
B/F		BELOW FLOOR
B/G		BELOW GRADE
CO		CLEAN OUT
CW		DOMESTIC COLD WATER
		CHECK VALVE
		SANITARY ABOVE FLOOR
		SANITARY BELOW FLOOR
EXIST.		EXISTING PIPE / EQUIPMENT
FCU		FAN COIL UNIT
FCO		FLOOR CLEAN OUT
FD		FLOOR DRAIN
FDC		FIRE DEPARTMENT CONNECTION
FS		FLOOR SINK
FW		FILTERED WATER
GW		GREASE WASTE
HB		HOSE BIBB
HD		HUB DRAIN
HW		DOMESTIC HOT WATER
HWR		HOT WATER RETURN
NFWH		NON FREEZE WALL HYDRANT
SAN		SANITARY PIPING
ST		STORM PIPING
SW		SANITARY WASTE
V		VENT PIPING
VTR		VENT THROUGH ROOF
		BALL VALVE
WCO		WALL CLEAN OUT
W		WASTE PIPING
WSHP		WATER SOURCE HEAT PUMP

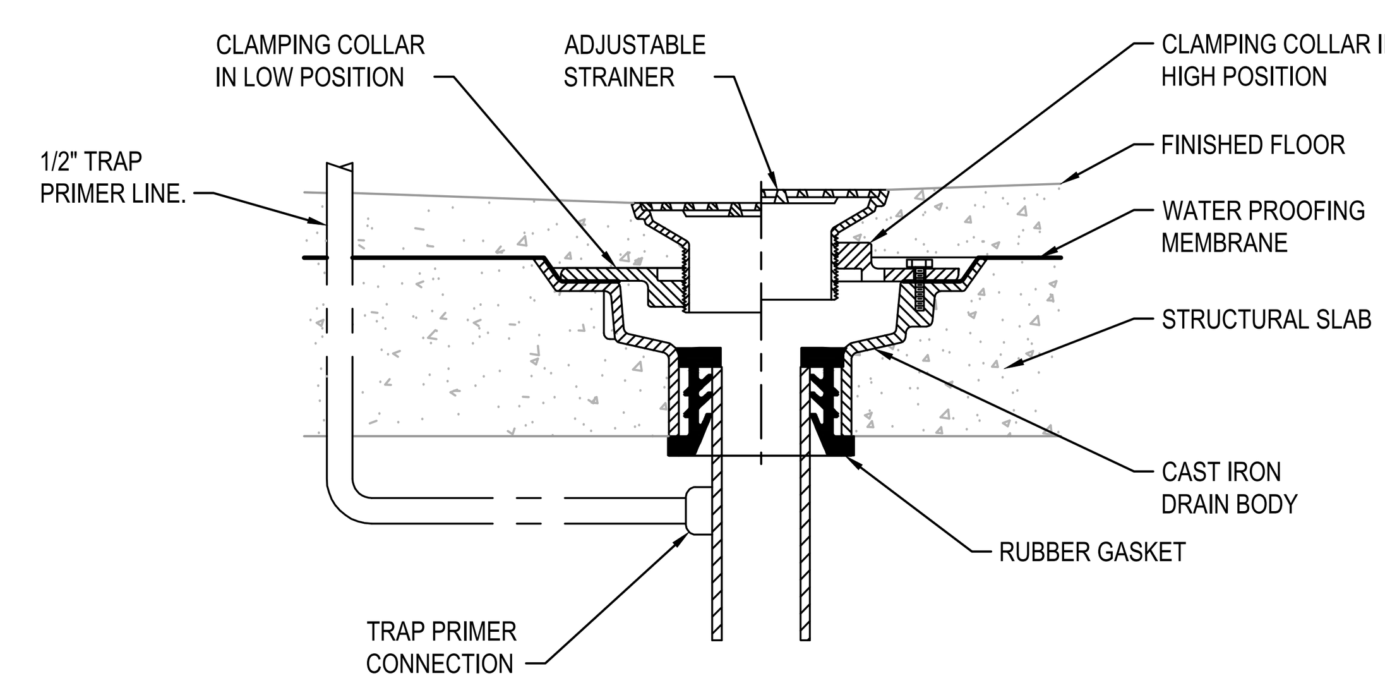
WESTSIDE ENGINEERING
WE # 24269
CDA # 32602
200 Galleria Parkway
Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax



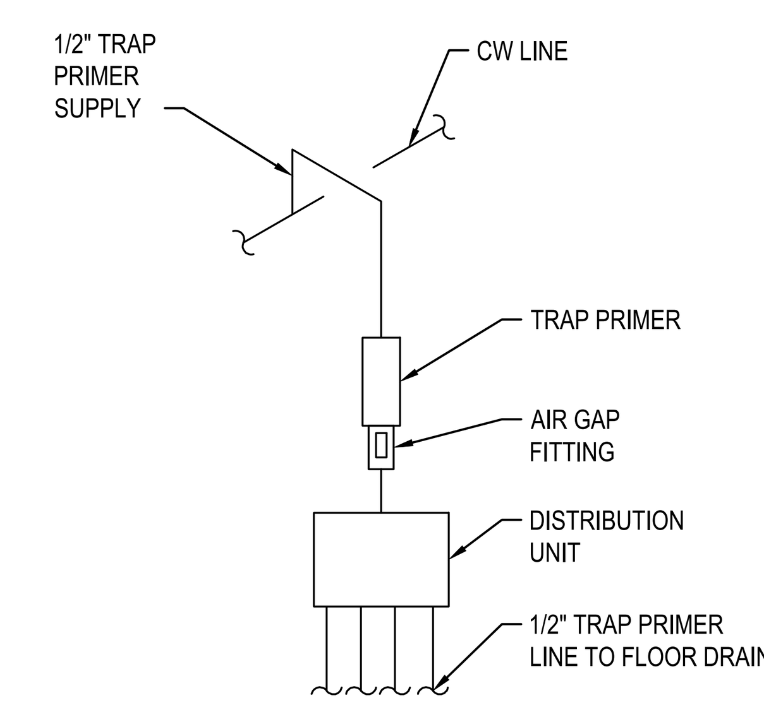
2 P0.1 FLOOR SINK DETAIL
SCALE: N.T.S.



1 P0.1 WATER HEATER DETAIL
SCALE: N.T.S.



4 P0.1 FLOOR DRAIN DETAIL
SCALE: N.T.S.



3 P0.1 TRAP PRIMER DETAIL
SCALE: N.T.S.

GREASE INTERCEPTOR CALCULATIONS

DESCRIPTION	QTY	DFU (EA)	DFU (TOT.)
FLOOR SINK (KITCHEN)	2	5.0	10.0
MOP SINK	1	2.0	2.0
FLOOR DRAIN	1	0.5	0.5
		TOTAL DFU:	12.5
TOTAL DFU DRAINING TO GREASE TRAP(S):			13
FLOW RATE @ 7.5 GPM PER DFU:			94
GREASE INTERCEPTOR REQUIRED FLOW(GPM):			**100**
GREASE INTERCEPTOR REQUIRED STORAGE(LBS):			**200**

ELECTRIC WATER HEATER SCHEDULE

TAG	CAPACITY (GAL)	ELEMENT KW	RECOVERY RATE (GPH @ 90F)	VOLTS/ PHASE	DIS. TEMP. (F)	BASIS OF DESIGN	NOTES
WH-1	80	36	164	480/3	140	AO SMITH DRE-80	

NOTES:

PLUMBING FIXTURES & CONNECTION SCHEDULE

TAG	FIXTURE	CW	HW	WASTE	VENT	FIXTURE SPECIFICATION OR EQUAL
AAV	AIR ADMITTANCE VALVE	--	--	--	3"	AIR ADMITTANCE VALVE. VALVE SHALL BE SUITABLE FOR VENTING UP TO 160 DFUs AND SHALL BE UL2043 COMPLIANT FOR INSTALLATION WITHIN PLENUMS. BASIS OF DESIGN IS STUDOR TEC-VENT.
FS	FLOOR SINK	1/2" TP	--	3"	--	FLOOR SINK WITH 6" DEEP BODY, REMOVABLE STAINLESS STEEL SEDIMENT BUCKET, 12-1/2" SQUARE NICKEL BRONZE TOP AND NON-PUNCTURING FLASHING CLAMPS. COORDINATE GRATE CONFIGURATION WITH KITCHEN EQUIPMENT. BASIS OF DESIGN IS JR SMITH 3007-NB
FD	FLOOR DRAIN - FINISHED AREAS	1/2" TP	--	3"	--	FLOOR DRAINS IN FINISHED AREAS SHALL HAVE 6" SQUARE ADJUSTABLE, VANDAL PROOF STRAINER IN NICKLE BRONZE FINISH. BASIS OF DESIGN: JR SMITH 2000 SERIES. PROVIDE WITH TRAP PRIMER

NOTES: 1. ARCHITECT AND BUILDING OWNER TO HAVE FINAL APPROVAL OF ALL PLUMBING FIXTURES.

PUMP SCHEDULE

TAG	FLOW RATE (GPM)	HEAD (FT)	NPSHR (FT)	RPM	MOTOR HP	EFFICIENCY	VOLTS/ PHASE	PUMP TYPE	BASIS OF DESIGN	NOTES
HWRP-1	5	15	- -	2650	1/12	- -	120/1	INLINE	BELL & GOSSETT PL-30B	1,2

NOTES:
(1) ALL WETTED PUMP PARTS SHALL BE LEAD FREE.
(2) PROVIDE WITH REMOTE AQUASTAT & TIMER TO CYCLE PUMP ON AND OFF TO MAINTAIN HW LOOP TEMPERATURE DURING OCCUPIED HOURS.

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

LEGEND, NOTES & DETAILS

SHEET NUMBER

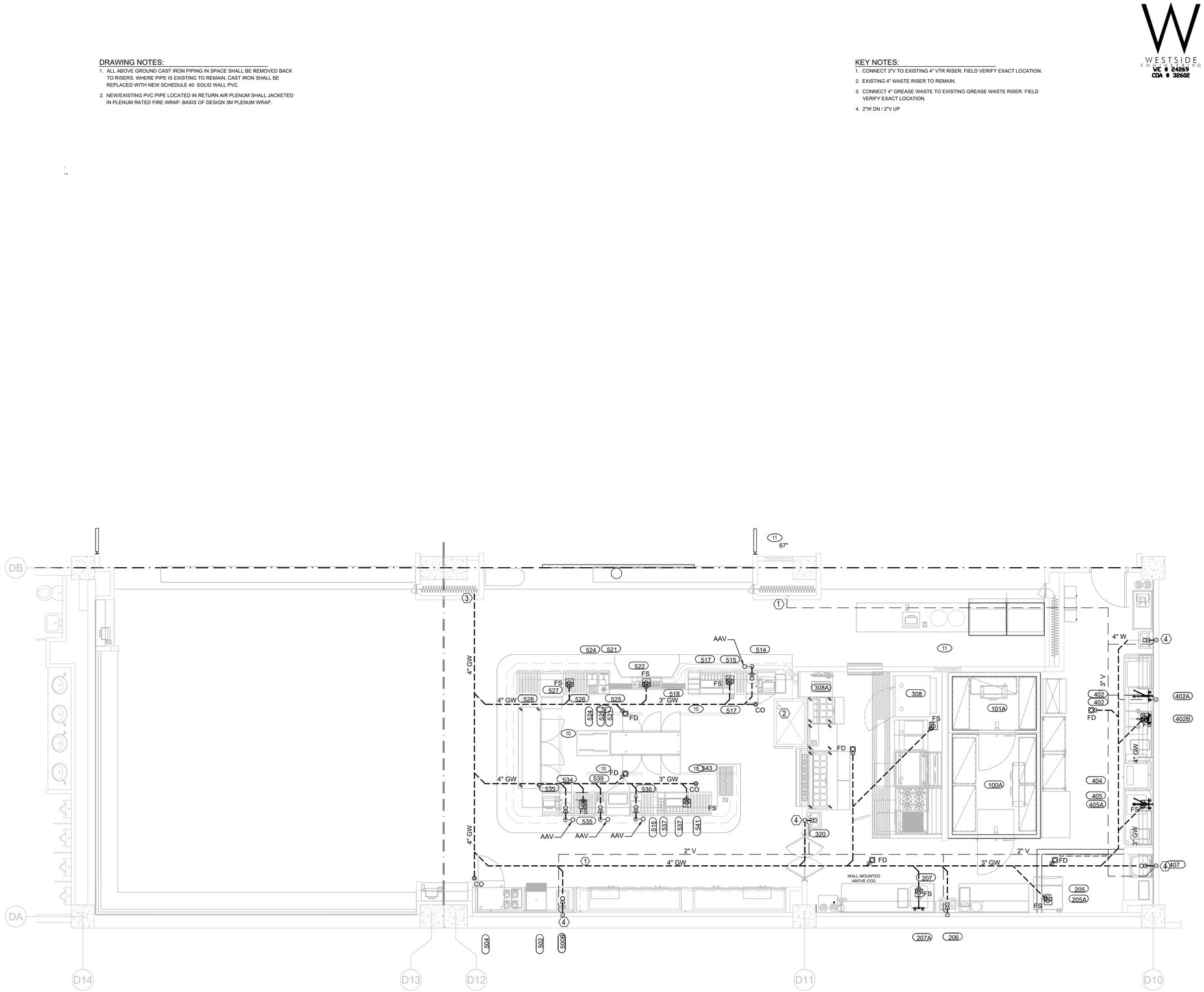
P-0.1

DRAWING NOTES:

1. ALL ABOVE GROUND CAST IRON PIPING IN SPACE SHALL BE REMOVED BACK TO RISERS. WHERE PIPE IS EXISTING TO REMAIN, CAST IRON SHALL BE REPLACED WITH NEW SCHEDULE 40 SOLID WALL PVC.
2. NEW/EXISTING PVC PIPE LOCATED IN RETURN AIR PLENUM SHALL JACKETED IN PLENUM RATED FIRE WRAP, BASIS OF DESIGN 3M PLENUM WRAP.

KEY NOTES:

1. CONNECT 3"V TO EXISTING 4" VTR RISER. FIELD VERIFY EXACT LOCATION.
2. EXISTING 4" WASTE RISER TO REMAIN.
3. CONNECT 4" GREASE WASTE TO EXISTING GREASE WASTE RISER. FIELD VERIFY EXACT LOCATION.
4. 2"W DN / 2"V UP



1 P1.0 PLUMBING – SWV PLAN
SCALE: 1/4" = 1'-0"

WESTSIDE ENGINEERING
VE # 24269
CDA # 32602

200 Galleria Parkway
Suite 1150
Atlanta, GA 30339

404-965-1287 tel
404-601-9859 fax
cdalinger@westsideengineering.com

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

SEAL

KEY LIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
11000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

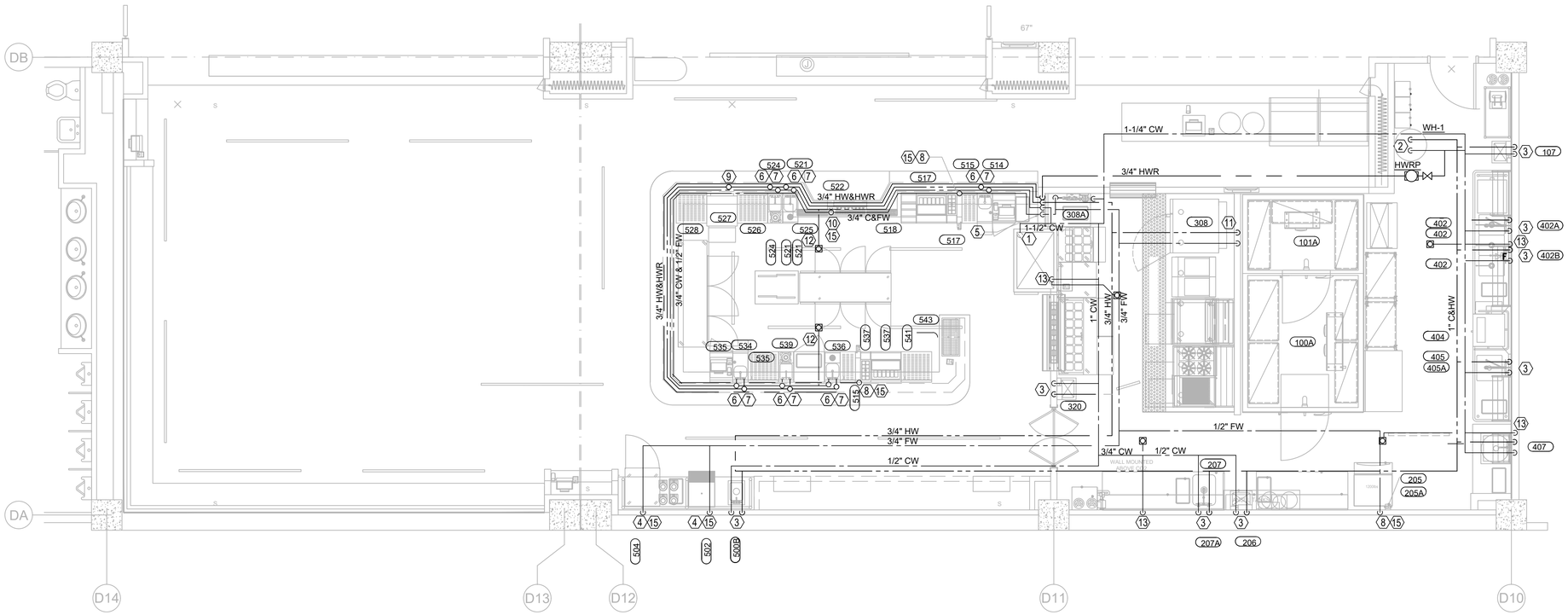
PLUMBING PLAN - SWV

SHEET NUMBER

P-1.0

KEY NOTES:

1. CONNECT NEW 1-1/2" CW TO EXISTING MAIN CW TENANT TAP. CONTRACTOR TO VERIFY EXACT LOCATION ON SITE.
2. 1" HW & CW DN TO WH-1. REFER TO DETAIL 1/P0.1.
3. 1/2" CW & HW DN. PROVIDE SERVICE STOP WITH FINAL CONNECTION SIZE MATCHING EQUIPMENT CONNECTION SIZE LISTED IN EQUIPMENT SCHEDULE.
4. 1/2" FILTERED WATER DN. PROVIDE SERVICE STOP WITH FINAL CONNECTION TO COFFEE MAKER AND TEA DISPENSER MATCHING EQUIPMENT CONNECTION SIZE LISTED IN EQUIPMENT SCHEDULE
5. 3/4" CW, HW & FW DN IN WALL TO BELOW BAR TOP. ROUTE PIPING CONCEALED IN BAR CABINETRY/BEHIND FIXTURES. PIPE SHOWN OFFSET FOR CLARITY, DESIGN INTENT FOR PIPING TO BE STACKED VERTICALLY AS NECESSARY.
6. 1/2" CW & HW UP TO FIXTURE. PROVIDE SERVICE STOP WITH FINAL CONNECTION SIZE MATCHING EQUIPMENT CONNECTION SIZE LISTED IN EQUIPMENT SCHEDULE.
7. PROVIDE POINT OF USE MIXING VALVE ON HW CONNECTION TO FAUCET TO LIMIT HW TEMPERATURE TO 105F.
8. 1/2" FILTERED WATER, PROVIDE SERVICE STOP WITH FINAL CONNECTION TO SODA GUN MATCHING EQUIPMENT CONNECTION SIZE LISTED IN EQUIPMENT SCHEDULE.
9. 1/2" HOT WATER TO GLASSWASHER. PROVIDE SERVICE STOP WITH FINAL CONNECTION MATCHING EQUIPMENT CONNECTION SIZE PER MANUFACTURER.
10. 1/2" FILTERED WATER UP. PROVIDE SERVICE STOP WITH FINAL CONNECTION TO BEER DISPENSER MATCHING EQUIPMENT CONNECTION SIZE LISTED IN EQUIPMENT SCHEDULE
11. 3/4" H&FW DN IN WALL, PROVIDE SERVICE STOP WITH FINAL CONNECTION TO COMBI OVEN MATCHING EQUIPMENT CONNECTION SIZE LISTED IN EQUIPMENT SCHEDULE
12. 1/2" CW BELOW FLOOR TO TRAP PRIMER.
13. 1/2" DN IN WALL TO BELOW FLOOR. ROUTE TO FLOOR DRAIN TRAP PRIMER.
14. INSTALL TENANT ISOLATION/BACKFLOW PREVENTER VAVLE ON WALL 6" BELOW CEILING. VALVE SHALL BE TAGGED "TENANT ISOLATION VALVE".
15. INSTALL INLINE BACKFLOW PREVENTER. DESIGN BASIS: ZURN 740



1 P2.0 PLUMBING – WATER PLAN
SCALE: 1/4" = 1'-0"

WESTSIDE ENGINEERING
VE # 24269
CDA # 32602

200 Galleria Parkway
Suite 1150
Atlanta, GA 30339

404-965-1287 tel
404-601-9859 fax
cdalinger@westsideengineering.com

norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

SEAL

KEY LIME BISTRO
SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

PLUMBING
PLAN - WATER

SHEET NUMBER

P-2.0

WESTSIDE ENGINEERING
VE # 24269
CDA # 32602

200 Galleria Parkway
Suite 1150
Atlanta, GA 30339

404-965-1287 tel
404-601-9859 fax
cdalinger@westsideengineering.com

DATE:	10/07/2024
JOB NO:	414
DRAWN:	STAFF
CHECKED:	TMM

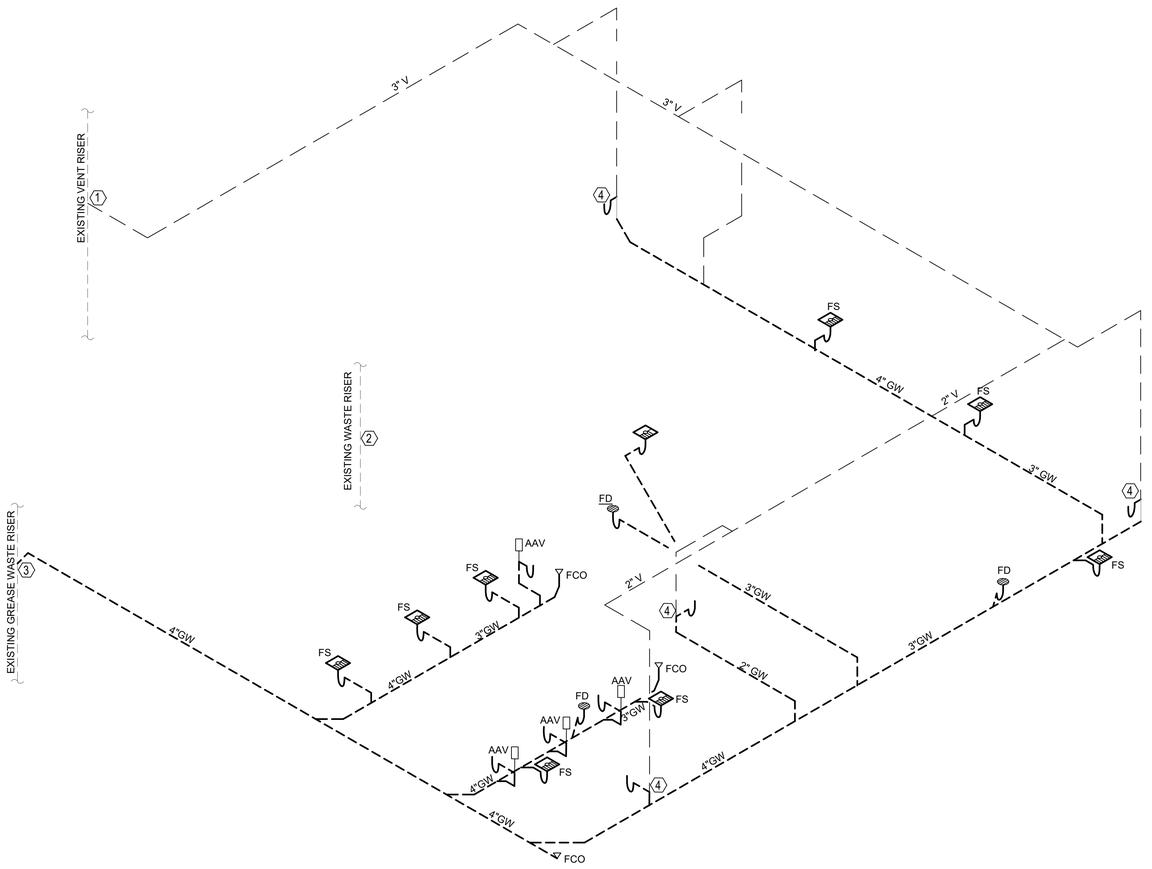
NDS norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

SEAL

KEY NOTES:

1. CONNECT 3"V TO EXISTING 4" VTR RISER. FIELD VERIFY EXACT LOCATION.
2. EXISTING 4" WASTE RISER TO REMAIN.
3. CONNECT 4" GREASE WASTE TO EXISTING GREASE WASTE RISER. FIELD VERIFY EXACT LOCATION.
4. 2"W DN / 2"V UP



1 P1.01 PLUMBING RISER – SWV
SCALE: NTS

KEY LIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

PLUMBING RISER - SWV

SHEET NUMBER

P-3.1

WESTSIDE ENGINEERING
VE # 24269
CDA # 32602

200 Galleria Parkway
Suite 1150
Atlanta, GA 30339

404-965-1287 tel
404-601-9859 fax
cdalingle@westsideengineering.com

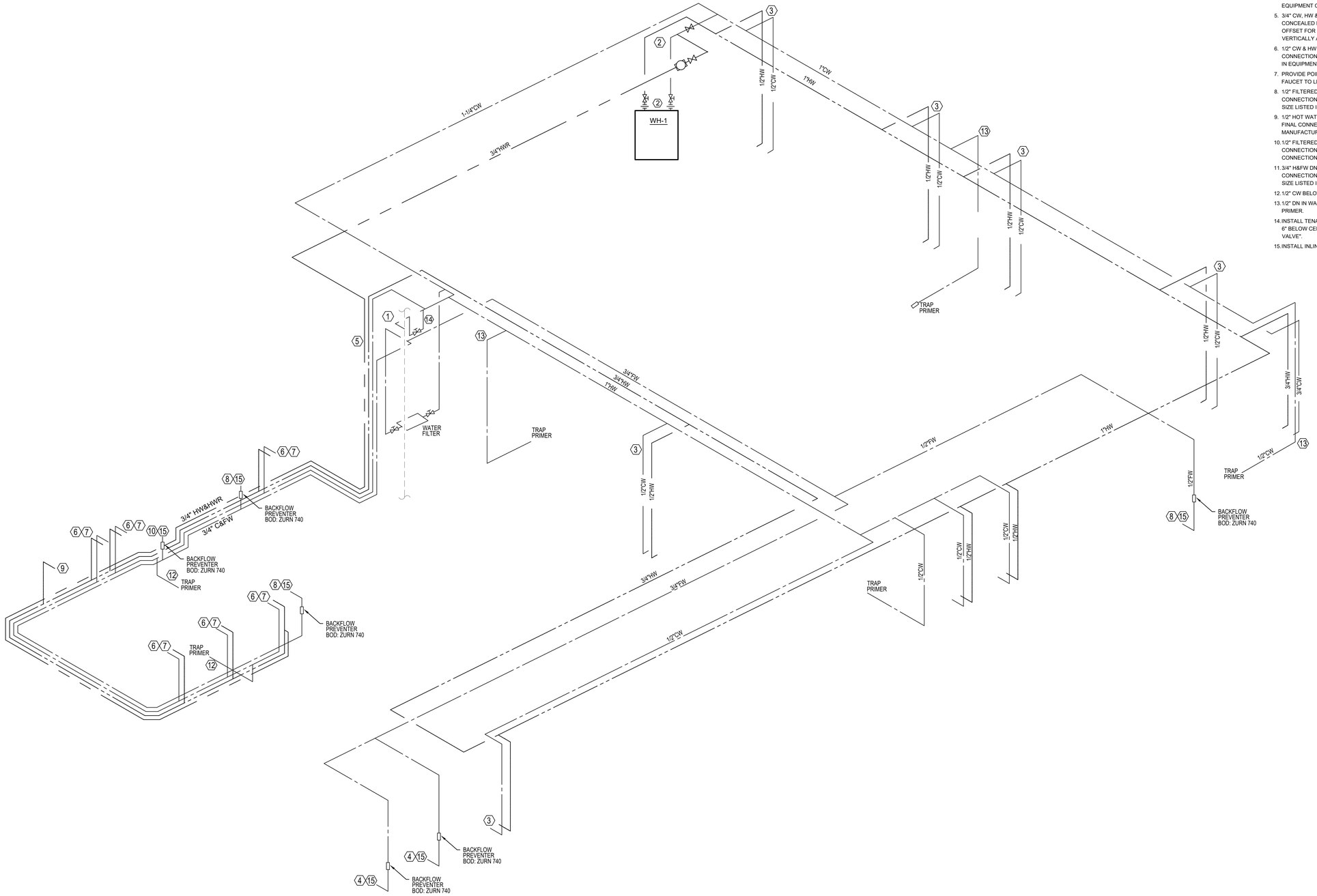
DATE: 10/07/2024
JOB NO: 414
DRAWN: STAFF
CHECKED: TMM

NDS norrisdesignstudio
www.norrisdesign.net
1301 HIGHTOWER TR., SUITE 125
ATLANTA, GA 30350
PH: (770) 817-4111
PROJECT MANAGEMENT

T. M. Morgan Architect
921 N. RIVERFRONT BLVD.
DALLAS, TEXAS 75207
214-893-3188

KEY NOTES:

1. CONNECT NEW 1-1/2" CW TO EXISTING MAIN CW TENANT TAP, CONTRACTOR TO VERIFY EXACT LOCATION ON SITE.
2. 1" HW & CW DN TO WH-1. REFER TO DETAIL 1/P0.1.
3. 1/2" CW & HW DN. PROVIDE SERVICE STOP WITH FINAL CONNECTION SIZE MATCHING EQUIPMENT CONNECTION SIZE LISTED IN EQUIPMENT SCHEDULE.
4. 1/2" FILTERED WATER DN, PROVIDE SERVICE STOP WITH FINAL CONNECTION TO COFFEE MAKER AND TEA DISPENSER MATCHING EQUIPMENT CONNECTION SIZE LISTED IN EQUIPMENT SCHEDULE
5. 3/4" CW, HW & FW DN IN WALL TO BELOW BAR TOP. ROUTE PIPING CONCEALED IN BAR CABINETRY/BEHIND FIXTURES. PIPE SHOWN OFFSET FOR CLARITY, DESIGN INTENT FOR PIPING TO BE STACKED VERTICALLY AS NECESSARY.
6. 1/2" CW & HW UP TO FIXTURE. PROVIDE SERVICE STOP WITH FINAL CONNECTION SIZE MATCHING EQUIPMENT CONNECTION SIZE LISTED IN EQUIPMENT SCHEDULE.
7. PROVIDE POINT OF USE MIXING VALVE ON HW CONNECTION TO FAUCET TO LIMIT HW TEMPERATURE TO 105F.
8. 1/2" FILTERED WATER, PROVIDE SERVICE STOP WITH FINAL CONNECTION TO SODA GUN MATCHING EQUIPMENT CONNECTION SIZE LISTED IN EQUIPMENT SCHEDULE.
9. 1/2" HOT WATER TO GLASSWASHER. PROVIDE SERVICE STOP WITH FINAL CONNECTION MATCHING EQUIPMENT CONNECTION SIZE PER MANUFACTURER.
10. 1/2" FILTERED WATER UP, PROVIDE SERVICE STOP WITH FINAL CONNECTION TO BEER DISPENSER MATCHING EQUIPMENT CONNECTION SIZE LISTED IN EQUIPMENT SCHEDULE
11. 3/4" H&FW DN IN WALL, PROVIDE SERVICE STOP WITH FINAL CONNECTION TO COMBI OVEN MATCHING EQUIPMENT CONNECTION SIZE LISTED IN EQUIPMENT SCHEDULE
12. 1/2" CW BELOW FLOOR TO TRAP PRIMER.
13. 1/2" DN IN WALL TO BELOW FLOOR. ROUTE TO FLOOR DRAIN TRAP PRIMER.
14. INSTALL TENANT ISOLATION/BACKFLOW PREVENTER VAVLE ON WALL 6" BELOW CEILING. VALVE SHALL BE TAGGED "TENANT ISOLATION VALVE".
15. INSTALL INLINE BACKFLOW PREVENTER. DESIGN BASIS: ZURN 740



1 P.3.2 PLUMBING RISER – WATER
SCALE: 1/4" = 1'-0"

SEAL

KEY LIME BISTRO

SOUTHWEST FLORIDA INTERNATIONAL AIRPORT
CONCOURSE D, SPACE D.06
1000 TERMINAL ACCESS ROAD
FORT MYERS, FLORIDA 33913

REVISIONS

1/13/2025	50% AIRPORT REVIEW
2/13/2025	95% SUBMITTAL

PLUMBING
RISER - WATER

SHEET NUMBER

P-3.2

Paradies

RSW International Airport

Key Lime Bistro

SHEET INDEX	
SHEET NUMBER	SHEET NAME
FS1.0	TITLE SHEET
FS1.1	FOODSERVICE EQUIPMENT PLAN
FS1.2	FOODSERVICE EQUIPMENT ELEVATIONS & PERSPECTIVES
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

GREAT LAKES CULINARY DESIGNS

CREATIVE THINKING. EFFICIENT DESIGN.

24101 WEST NINE MILE ROAD
SOUTHFIELD, MI 48033

p. 313.962.9176
info@glcds.com
www.glcds.com

Foodservice Design Division of:

GREAT LAKES HOTEL SUPPLY CO.

#	DATE:	DESCRIPTION:

NOT FOR CONSTRUCTION
FOR COORDINATION ONLY

PROJECT:

Key Lime Bistro

RSW International Airport

SHEET TITLE:

TITLE SHEET

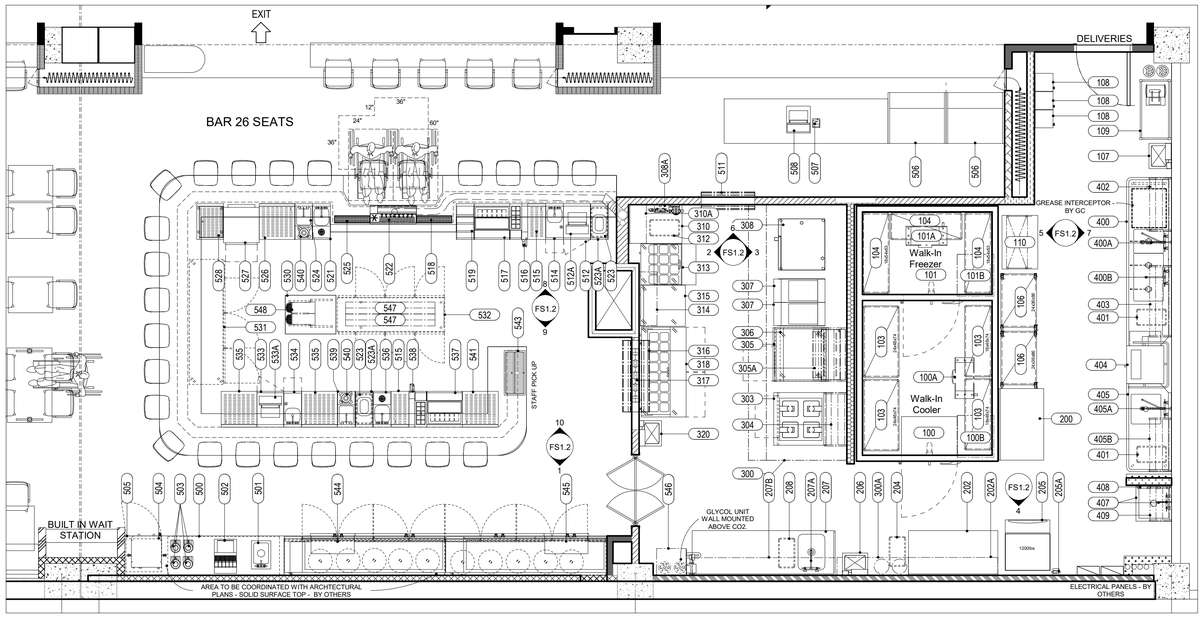
SCALE:
DESIGNER: GLCD
DESIGN TECH: GLCD
DATE: 02-11-2025

PROJECT NUMBER:

CD-0213

SHEET NO:

FS1.0



1 FOODSERVICE EQUIPMENT PLAN
1/4" = 1'-0"

FOODSERVICE EQUIPMENT SCHEDULE			
ITEM	QTY	DESCRIPTION	ITEM REMARKS
100	1	Walk-In Cooler	
100A	1	Walk-In Cooler Evaporator	
100B	1	Walk-In Cooler Air Cooled Condenser	
101	1	Walk-In Freezer	
101A	1	Walk-In Freezer Evaporator	
101B	1	Walk-In Freezer Air Cooled Condenser	
103	4	Shelving Unit	
104	3	Shelving Unit	
105	1	Spare Number	
106	2	Wire Shelving Unit	Mobile
107	1	Hand Sink w/ Side Splashes	Soap & Towel Dispensers - By Others
108	3	Locker Tower 5 Tier	
109	1	Bag-n-Box Rack	Not In Contract - By Owners Vendor
110	1	Managers Desk System	Not In Contract - By Owner
200	1	Work Table	
201	1	Spare Number	
202	1	Work Table	
202A	1	Wall Shelf, Single	
203	1	Wall Shelf, Single	
204	1	Trash Receptacle, Slim-Jim	Not In Contract - By Others
205	1	Ice Maker w/ Bin	
205A	1	Filter System, Ice Maker	
206	1	Hand Sink w/ Side Splashes	Soap & Towel Dispensers - By Others
207	1	Work Table	
207A	1	Faucet, Splash Mount	
207B	2	Wall Shelf	
208	1	Trash Receptacle, Slim-Jim	Not In Contract - By Others
210	1	Spare Number	
300	1	Exhaust Hood	Not In Contract - By Others
300A	1	Fire Suppression System, Wall Mounted	Not In Contract - By Others
303	1	Electric Induction Range	
304	1	Wall Shelf, Tubular	
305	1	Griddle	
305A	1	Cuisine Series Infra-Red Cheesemelter	
306	1	Chef Base Freezer	
307	2	Fryer	
308	1	Combi Oven	
308A	1	Water Filter	
309	1	Spare Number	
310	1	Work Table	
310A	2	Wall Shelf, Single	
311	1	Spare Number	
312	1	Trash Receptacle, Slim-Jim	Not In Contract - By Others
313	1	Mega Top Unit	
314	2	Wall Shelf, Single	
315	1	Worktop Freezer	
316	1	Pass-Thru Shelf	
317	1	Heat Lamp	
318	1	Sandwich/Salad Unit	
320	1	Hand Sink w/ Side Splashes	Soap & Towel Dispensers - By Others
400	1	Clean Dishtable w/ 3 Compartment Sink	
400A	1	Pre-Rinse Faucet w/ Add On Faucet	
400B	1	Faucet, Splash Mount	
401	2	Trash Receptacle, Slim-Jim	Not In Contract - By Others
402	2	Wall Shelf, Tubular	
403	2	Wall Shelf, Tubular	
404	1	Warewasher, Door Type, High Temp Ventless	Not In Contract - By Owners Vendor
405	1	Soiled Dishtable	
405A	1	Pre-Rinse Faucet w/ Faucet	

FOODSERVICE EQUIPMENT SCHEDULE			
ITEM	QTY	DESCRIPTION	ITEM REMARKS
405B	2	Wall Shelf, Tubular	
406	1	Spare Number	
407	1	Mop Sink & Service Faucet	Not In Contract - By Others
408	1	4-Pole Mop Holder	
409	1	Wall Shelf, Tubular	
500	1	Beverage Counter	
501	1	Drop-In Sink	Dump Sink
502	1	Drop-In Soda Dispenser	Not In Contract - By Owners Vendor
503	4	Airpots	
504	1	Coffee Brewer	
505	1	Single Door Refrigerator	
506	2	Combination Self-Service Case	
507	1	POS Printer	Not In Contract - By Owners Vendor
508	1	N.I.C. - POS System	Not In Contract - By Owners Vendor
509	1	Spare Number	
510	1	Spare Number	
511	1	Pass Thru Shelf	
512	1	POS Cabinet	
512A	1	N.I.C. - POS System	Not In Contract - By Owners Vendor
513	1	Spare Number	
514	1	Soap & Towel Hand Sink	
515	2	Storage Cabinet	
516	1	Soda Gun Holder	
517	1	Mixology Station	
518	1	Drop In, Drink Rail	
519	1	Liquor Display	
520	1	Spare Number	
521	1	Dump Sink	
522	1	Tee Tower 8 Tap	
523	2	Trash Receptacle, Slim-Jim	Not In Contract - By Others
523A	2	Trash Station	Stainless Steel Cover w/ Door
524	1	Sink w/ Blender Station	
525	1	Drop In, Drink Rail	
526	1	Drainboard w/ Storage	
527	1	Glasswasher	Not In Contract - By Owners Vendor
528	1	Corner Drainboard	
529	1	Spare Number	
530	1	Worktable, Enclosed Base	
531	1	Back Bar Cooler	
532	1	Pass Thru Back Bar Refrigeration	
533	1	POS Cabinet	
533A	1	N.I.C. - POS System	Not In Contract - By Owners Vendor
534	1	Soap & Towel Hand Sink	
535	2	Drainboard w/ Storage	
536	1	Dump Sink	
537	1	Mixology Station	
538	1	Soda Gun Holder	
539	1	Sink w/ Blender Station	
540	2	Blender	
541	1	Drainboard w/ Storage	
542	1	Spare Number	
543	1	Drop-In Drain Pan	Servers Station
544	1	Self-Contained Back Bar Refrigeration	
545	1	Self-Contained Back Bar Refrigeration	
546	1	Beverage Cooling System, Remote	
547	2	Lighted Liquor Display	
548	1	Granita Countertop Dispenser	

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. If a 42" door is not possible, coordinate for a temporary to be provided during installation.

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 75°F 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 140°F 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. Only items contained in this plan that have been tagged and scheduled are included in the Food Service Equipment Contractor's (FSEC) scope. Millwork counters, smallware items, architectural, plumbing, electrical items or fixtures that do not appear within the equipment schedule are not part of the FSEC's scope.

2. 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.

3. 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.

4. Plumbing Trades will provide and route indirect waste lines to nearest practical floor sinks(drain).

5. 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.

6. 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.

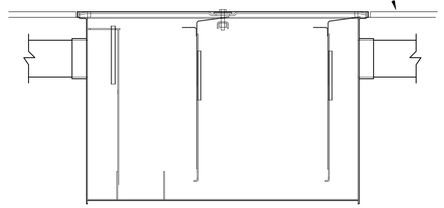
7. Refrigeration roof support curbs or rails are provided by FSEC. Installation of Curb/rails, Structural reinforcing, roof penetrations and flashing to accommodate refrigeration systems installation is the responsibility of the General Contractor.

8. 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 it's aesthetic details.

9. Exhaust hoods, Fire Suppression, MUA, ductwork, and fan systems are the responsibility of the Mechanical Engineers to verify they meet current codes and CFM requirements for the equipment being placed under them.

10. Food Service Equipment Contractor to provide and install Caster Positioning Chock for each item of cooking equipment located under exhaust hood.

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.

GREAT LAKES CULINARY DESIGNS
CREATIVE THINKING. EFFICIENT DESIGN.
24101 WEST NINE MILE ROAD
SOUTHFIELD, MI 48033
p. 313.962.9176
info@glcds.com
www.glcds.com
Foodservice Design Division of:
GREAT LAKES HOTEL SUPPLY CO.

#	DATE:	DESCRIPTION:

NOT FOR CONSTRUCTION FOR COORDINATION ONLY

PROJECT:

Key Lime Bistro

RSW International Airport

SHEET TITLE:

FOODSERVICE EQUIPMENT PLAN

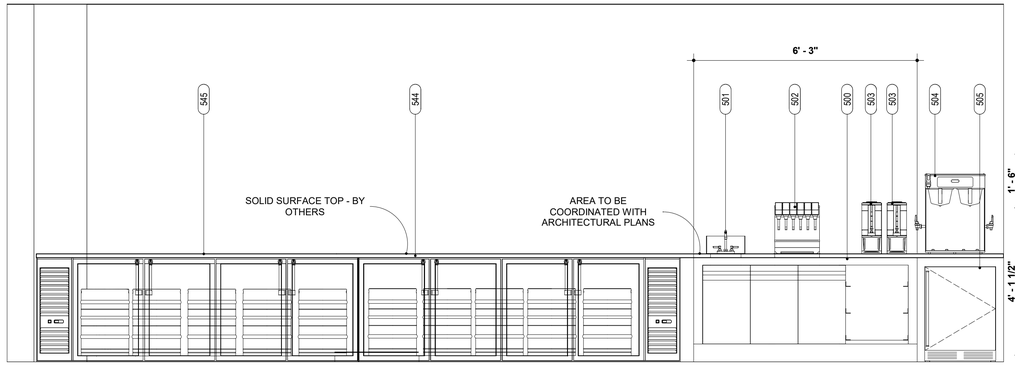
SCALE:	As indicated
DESIGNER:	GLCD
DESIGN TECH:	GLCD
DATE:	02-11-2025

PROJECT NUMBER:

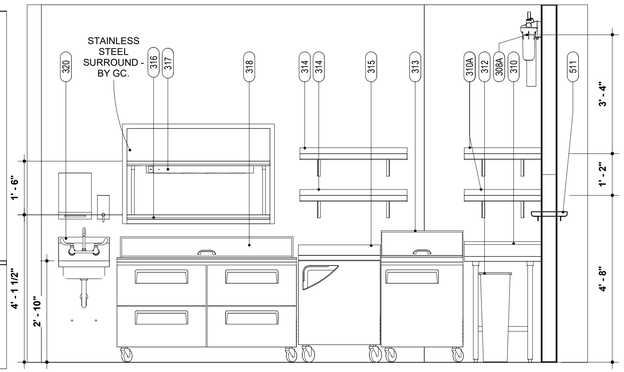
CD-0213

SHEET NO:

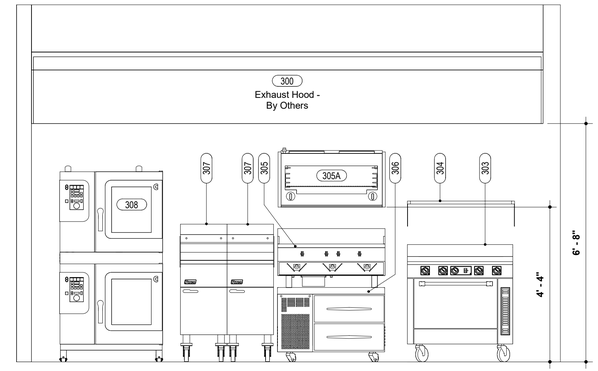
FS1.1



1 Elevation at Beverage Station
1/2" = 1'-0"



2 Elevation at Cold Line/Pass
1/2" = 1'-0"

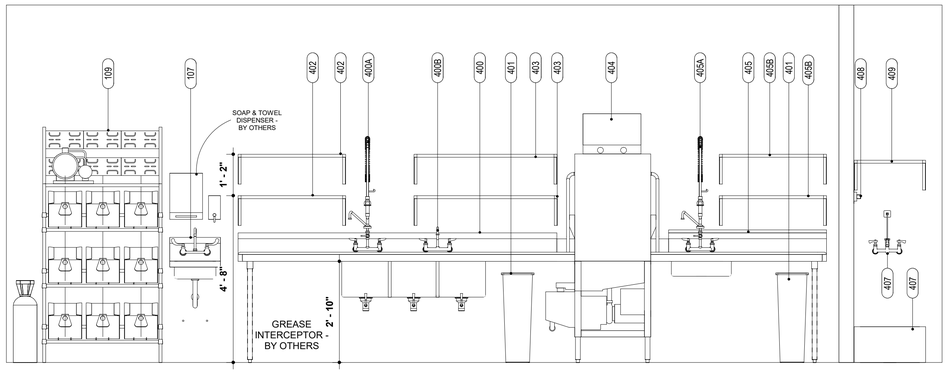


3 Elevation at Hot Line
1/2" = 1'-0"

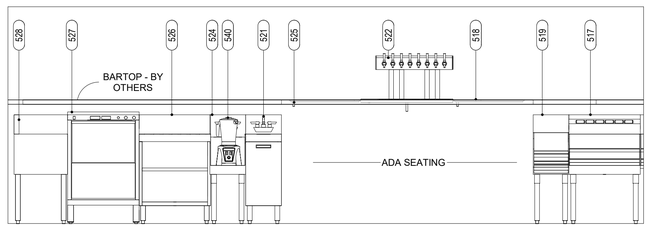
4 Elevation at Prep
1/2" = 1'-0"

5 Elevation at Storage/Walk-In
1/2" = 1'-0"

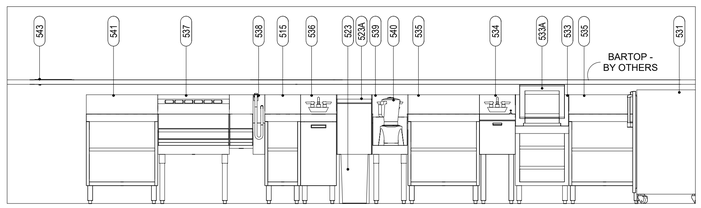
6 Elevation at Take Out Pass
1/2" = 1'-0"



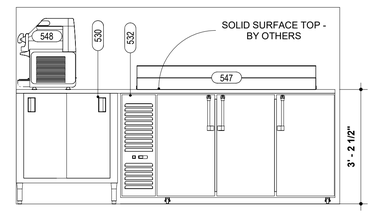
7 Elevation at Warewashing
1/2" = 1'-0"



8 Elevation at Bar North
1/2" = 1'-0"



9 Elevation at Bar South
1/2" = 1'-0"



10 Elevation at Bar Pass Thru
1/2" = 1'-0"

GREAT LAKES CULINARY DESIGNS
CREATIVE THINKING. EFFICIENT DESIGN.
24101 WEST NINE MILE ROAD
SOUTHFIELD, MI 48033
p. 313.962.9176
info@glcds.com
www.glcds.com
Foodservice Design Division of:
GREAT LAKES HOTEL SUPPLY CO.

#	DATE:	DESCRIPTION:

NOT FOR CONSTRUCTION FOR COORDINATION ONLY

PROJECT:

Key Lime Bistro

RSW International Airport

SHEET TITLE:

FOODSERVICE EQUIPMENT ELEVATIONS & PERSPECTIVES

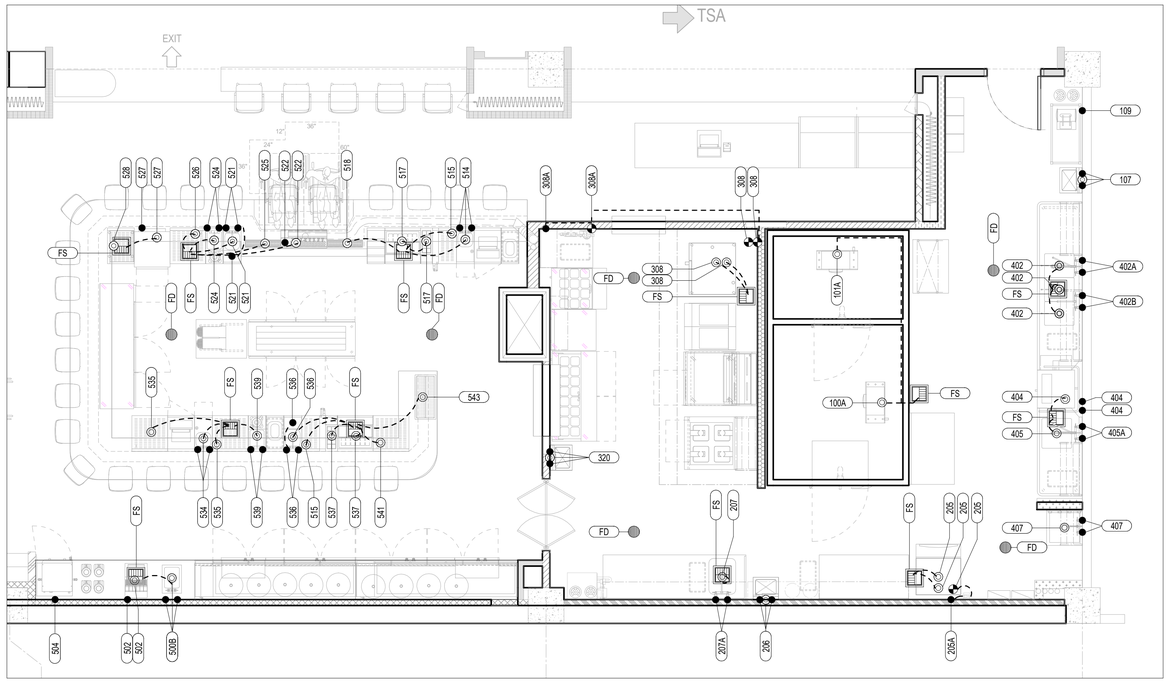
SCALE:	1/2" = 1'-0"
DESIGNER:	GLCD
DESIGN TECH:	GLCD
DATE:	02-11-2025

PROJECT NUMBER:

CD-0213

SHEET NO:

FS1.2



1 FOODSERVICE PLUMBING COORDINATION PLAN
1/4" = 1'-0"

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. 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.

FOODSERVICE PLUMBING SCHEDULE

ITEM	QTY	DESCRIPTION	COLD WATER		HOT WATER		FILTERED WATER		WASTE CONNECTIONS			PLUMBING NOTES (SEE SCHEDULE NOTES)
			SIZE	HT. AFF	SIZE	HT. AFF	SIZE	HT. AFF	IW SIZE	DW SIZE	DW HT. AFF	
100A	1	Walk-In Cooler Evaporator							3/4"			L
101A	1	Walk-In Freezer Evaporator							3/4"			L
107	1	Hand Sink w/ Side Splashes	1/2"	14"	1/2"	14"				1-1/2"	21"	
109	1	Bag-n-Box Rack	1/2"	84"								N
205	1	Ice Maker w/ Bin					BRANCH		(1) 1/2", (1) 3/4"			B, D, Filtered water provided by #205A
205A	1	Filter System, Ice Maker	1/2"	84"								B, Providing filtered water to #205
206	1	Hand Sink w/ Side Splashes	1/2"	14"	1/2"	14"				1-1/2"	21"	
207	1	Work Table							1-1/2"			D
207A	1	Faucet, Splash Mount	1/2"	14"	1/2"	14"						
300	1	Exhaust Hood										P
300A	1	Fire Suppression System, Wall Mounted										P
305	1	Griddle										
308	1	Combi Oven					(2) 3/4"	(1) 14" (1) 36"	(2) 2"			B, D, F, Filtered water provided by 308A
308A	1	Water Filter	3/4"	84"								B, Providing filtered water to #308 (two connections)
320	1	Hand Sink w/ Side Splashes	1/2"	14"	1/2"	14"				1-1/2"	21"	
400	1	Clean Dishtable w/ 3 Compartment Sink							(3) 2"			D
400A	1	Pre-Rinse Faucet w/ Add On Faucet	1/2"	14"	1/2"	14"						
400B	1	Faucet, Splash Mount	1/2"	14"	1/2"	14"						
404	1	Warewasher, Door Type, High Temp Ventless	1/2"	14"	1/2"	14"			2"			D, E, N
405	1	Soiled Dishtable							2"			D
405A	1	Pre-Rinse Faucet w/ Faucet	1/2"	14"	1/2"	14"						
407	1	Mop Sink & Service Faucet	1/2"	36"	1/2"	36"				4"	0"	
501	1	Drop-In Sink	1/2"	14"	1/2"	14"			1-1/2"			D
502	1	Drop-In Soda Dispenser	1/2"	14"					3/4"			D, N, Plumbing trades to provide & install in-line water filter.
504	1	Coffee Brewer	1/2"	50"								Plumbing trades to provide & install in-line water filter.
514	1	Soap & Towel Hand Sink	1/2"	12"	1/2"	12"			1-1/2"			D
515	2	Storage Cabinet							1"			D
517	1	Mixology Station							(2) 3/4"			D
518	1	Drop In, Drink Rail							1/2"			D
521	1	Dump Sink	1/2"	12"	1/2"	12"			1-1/2"			D, Plumbing trades to interconnect to glass rinser.
522	1	Tee Tower 8 Tap	1/2"	12"					1/2"			D, cold water for glass rinser
524	1	Sink w/ Blender Station	1/2"	12"	1/2"	12"			1-1/2"			D
525	1	Drop In, Drink Rail							1/2"			D
526	1	Drainboard w/ Storage							1"			D
527	1	Glasswasher	1/2"	12"					5/8"			D, E, N
528	1	Corner Drainboard							1"			D
534	1	Soap & Towel Hand Sink	1/2"	12"	1/2"	12"			1-1/2"			D
535	2	Drainboard w/ Storage							1"			D
536	1	Dump Sink	1/2"	12"	1/2"	12"			1-1/2"			D, Plumbing trades to interconnect to glass rinser.
537	1	Mixology Station							(2) 3/4"			D
539	1	Sink w/ Blender Station	1/2"	12"	1/2"	12"			1-1/2"			D
541	1	Drainboard w/ Storage							1"			D
543	1	Drop-In Drain Pan							1"			D

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 140°F 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.

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 (FS)	▨	8" X 8" X 10" FLOOR SINK (FS1)
⊕	FUNNEL FLOOR DRAIN (FFD)		

GREAT LAKES
CULINARY DESIGNS

CREATIVE THINKING. EFFICIENT DESIGN.

24101 WEST NINE MILE ROAD
SOUTHFIELD, MI 48033

p. 313.962.9176
info@glcds.com
www.glcds.com

Foodservice Design Division of:

GREAT LAKES
HOTEL SUPPLY CO.

#	DATE:	DESCRIPTION:

NOT FOR CONSTRUCTION
FOR COORDINATION ONLY

PROJECT:

Key Lime Bistro

RSW International Airport

SHEET TITLE:

FOODSERVICE
EQUIPMENT
PLUMBING
COORDINATION PLAN

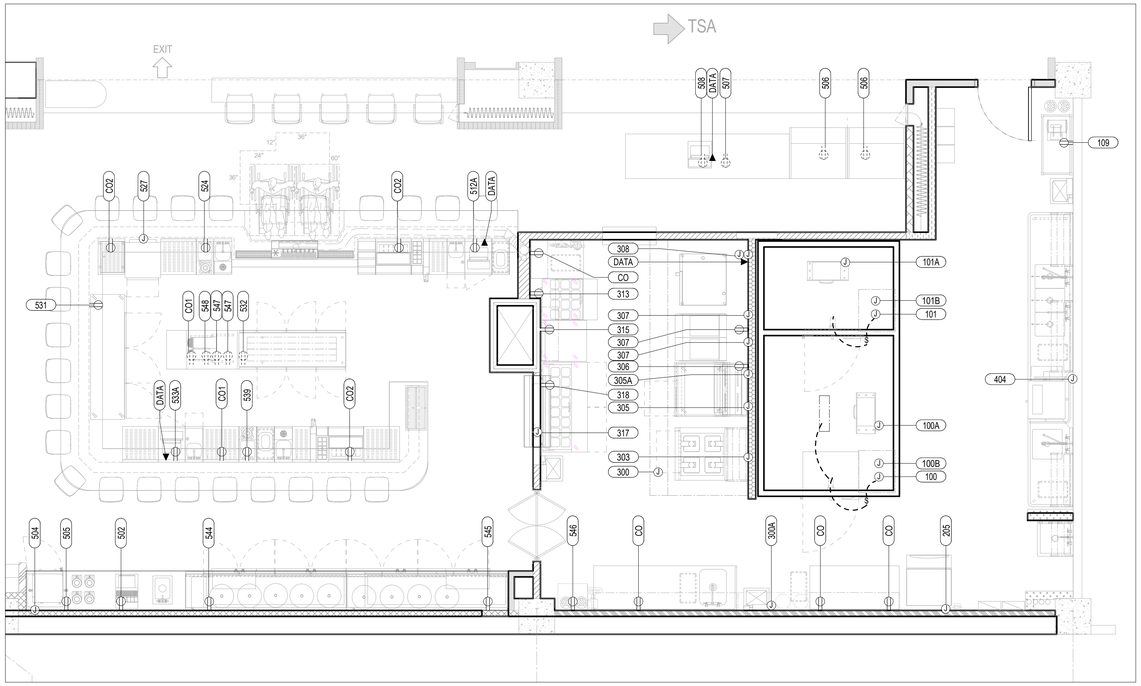
SCALE: 1/4" = 1'-0"
DESIGNER: GLCD
DESIGN TECH: GLCD
DATE: 02-11-2025

PROJECT NUMBER:

CD-0213

SHEET NO:

FS2.0



1 FOODSERVICE ELECTRICAL COORDINATION PLAN
1/4" = 1'-0"

FOODSERVICE ELECTRICAL SCHEDULE

	QTY	DESCRIPTION	CONN. TYPE	VOLTS	PHASE	AMPS	HP	KW	HT. AFF	ELECTRIC NOTES (SEE SCHEDULE NOTES)
100	1	Walk-In Cooler	DIRECT	120	1	20.0 CIR			DFA	F
100A	1	Walk-In Cooler Evaporator	DIRECT	120	1	0.9			DFA	
100B	1	Walk-In Cooler Air Cooled Condenser	DIRECT	208	1	15.0	3/4		DFA	
101	1	Walk-in Freezer	DIRECT	120	1	20.0 CIR			DFA	F
101A	1	Walk-In Freezer Evaporator	DIRECT	208	1	20.0 CIR			DFA	
101B	1	Walk-In Freezer Air Cooled Condenser	DIRECT	208	1	21.0	2.0		DFA	
109	1	Bag-n-Box Rack	5-15P	120	1	15.0			72"	D
205	1	Ice Maker w/ Bin	DIRECT	208	1	15.0 CIR			72"	
300	1	Exhaust Hood	DIRECT	120	1	15.0 CIR			DFA	R
300A	1	Fire Suppression System, Wall Mounted	DIRECT	120	1	15.0 CIR			DFA	R
303	1	Electric Induction Range	DIRECT	120/208	3	82.2			24"	Q
305	1	Griddle	DIRECT	240	3	29.0			24"	
305A	1	Cuisine Series Infra-Red Cheesemelter	DIRECT	240	1	29.0			24"	
306	1	Chef Base Freezer	5-15P	120	1	5.5			24"	
307	1	Fryer	(2) DIRECT	(2) 440/480	3	(2) 27.0			24"	Q, Additional 5-15P (120/1 6.8 amp) cord required for controls.
308	1	Combi Oven	(2) DIRECT	(2) 440/480	3	(2) 13.1			(1) 24", (1) 48"	Q, Electrical Trades to coordinate and provide data requirements
313	1	Mega Top Unit	5-15P	120	1	4.8	1/4		24"	
315	1	Worktop Freezer	5-15P	120	1	4.5			24"	
317	1	Heat Lamp	DIRECT	120	1	6.7			44"	
318	1	Sandwich/Salad Unit	5-15P	120	1	8.9	1/3		24"	
404	1	Warewasher, Door Type, High Temp Ventless	DIRECT						24"	D
504	1	Coffee Brewer	DIRECT	120/208	1	30.0			50"	
505	1	Single Door Refrigerator	5-15P	120	1	2.0			24"	
506	2	Combination Self-Service Case	5-20P	120	1	15.3			STUB-UP	If GFCI is required, a GFCI breaker must be in lieu of a GFCI receptacle
507	1	POS Printer	5-15P	120	1	15.0 CIR			STUB-UP	C, J
508	1	N.I.C. - POS System	5-15P	120	1	15.0 CIR			STUB-UP	C, J
512A	1	N.I.C. - POS System	5-15P	120	1	15.0 CIR			38"	C, J, mounted horizontally
524	1	Sink w/ Blender Station	5-15P	120	1	15.0 CIR			12"	
527	1	Glasswasher	DIRECT	208	1	32.0			24"	D, MOPD: 40 Amp
531	1	Back Bar Cooler	5-15P	120	1	2.7	1/3		12"	
532	1	Pass Thru Back Bar Refrigeration	5-15P	120	1	4.8			STUB-UP	
533A	1	N.I.C. - POS System	5-15P	120	1	15.0 CIR			38"	C, J, mounted horizontally
539	1	Sink w/ Blender Station	5-15P	120	1	15.0 CIR			12"	for blender
544	1	Self-Contained Back Bar Refrigeration	5-15P	120	1	2.8	1/3		12"	
545	1	Self-Contained Back Bar Refrigeration	5-15P	120	1	2.8	1/3		12"	
546	1	Beverage Cooling System, Remote	5-20P	120	1	12.5			120"	MOPD: 20 amp
547	2	Lighted Liquor Display	5-20P	120	1	20.0 CIR			STUB-UP	
548	1	Granita Countertop Dispenser	5-20P	120	1	6.0			STUB-UP	

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.

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, STUB UP
	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

GREAT LAKES CULINARY DESIGNS
CREATIVE THINKING. EFFICIENT DESIGN.
24101 WEST NINE MILE ROAD
SOUTHFIELD, MI 48033
p. 313.962.9176
info@glcds.com
www.glcds.com
Foodservice Design Division of:
GREAT LAKES HOTEL SUPPLY CO.

#	DATE:	DESCRIPTION:

NOT FOR CONSTRUCTION FOR COORDINATION ONLY

PROJECT:

Key Lime Bistro

RSW International Airport

SHEET TITLE:

FOODSERVICE EQUIPMENT ELECTRICAL COORDINATION PLAN

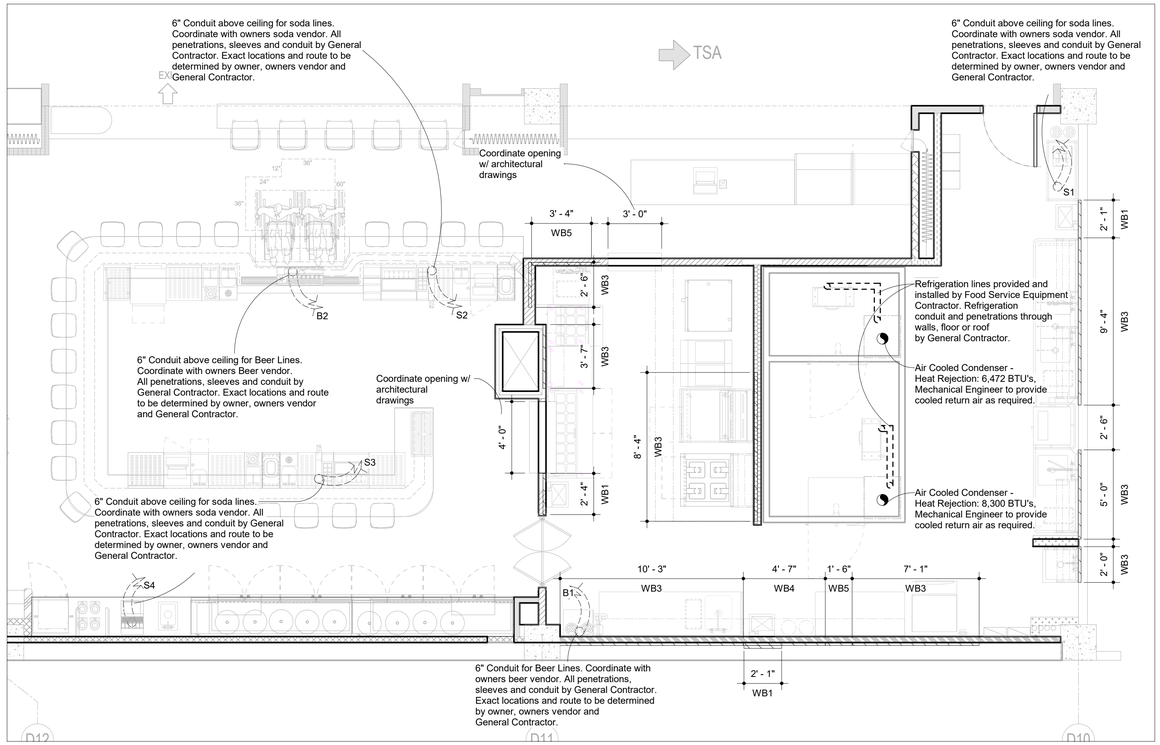
SCALE:	1/4" = 1'-0"
DESIGNER:	GLCD
DESIGN TECH:	GLCD
DATE:	02-11-2025

PROJECT NUMBER:

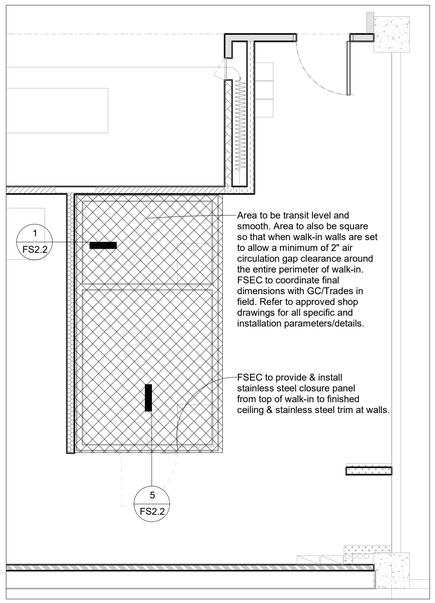
CD-0213

SHEET NO:

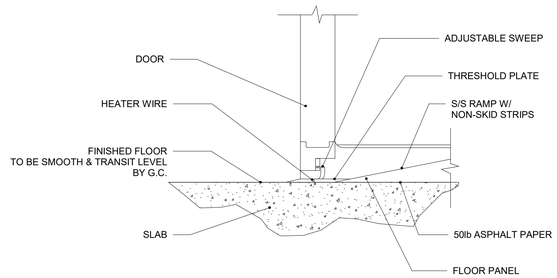
FS2.1



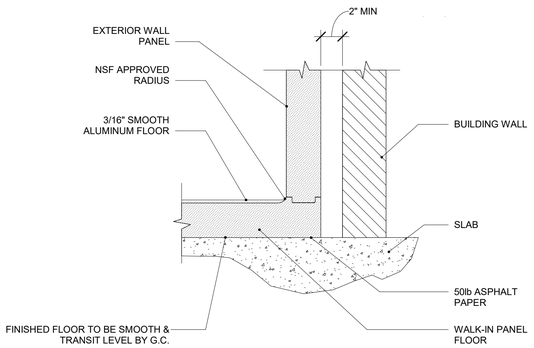
2 FOODSERVICE SPECIAL CONDITIONS PLAN
1/4" = 1'-0"



3 FOODSERVICE SPECIAL CONDITIONS PLAN - WALK-IN
1/4" = 1'-0"



5 WALK-IN FLOOR W/INTERIOR RAMP DETAIL
N.T.S.



1 WALK-IN W/FLOOR DETAIL
N.T.S.

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.

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

GREAT LAKES CULINARY DESIGNS
CREATIVE THINKING. EFFICIENT DESIGN.
24101 WEST NINE MILE ROAD
SOUTHFIELD, MI 48033
p. 313.962.9176
info@glcds.com
www.glcds.com
Foodservice Design Division of:
GREAT LAKES HOTEL SUPPLY CO.

#	DATE:	DESCRIPTION:

NOT FOR CONSTRUCTION FOR COORDINATION ONLY

PROJECT:

Key Lime Bistro

RSW International Airport

SHEET TITLE:

FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN

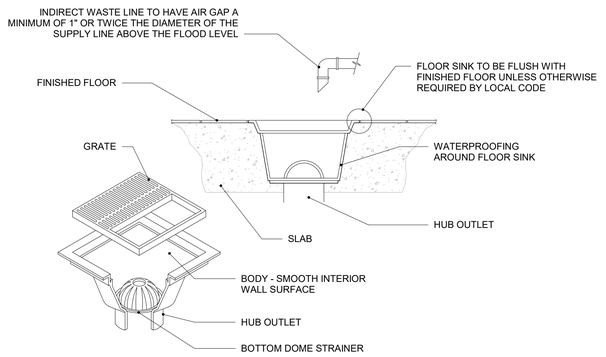
SCALE:	1/4" = 1'-0"
DESIGNER:	GLCD
DESIGN TECH:	GLCD
DATE:	02-11-2025

PROJECT NUMBER:

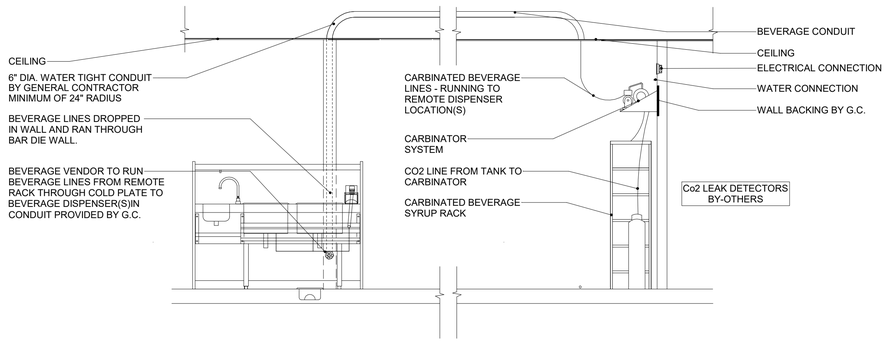
CD-0213

SHEET NO:

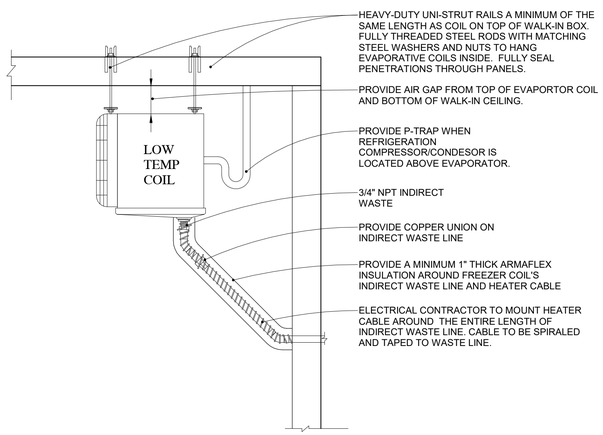
FS2.2



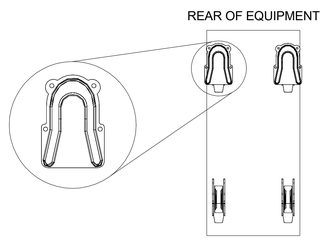
1 FLOOR SINK FLUSH W/ FLOOR DETAIL
N.T.S.



8 BEVERAGE CONDUIT DETAIL (1)
N.T.S.



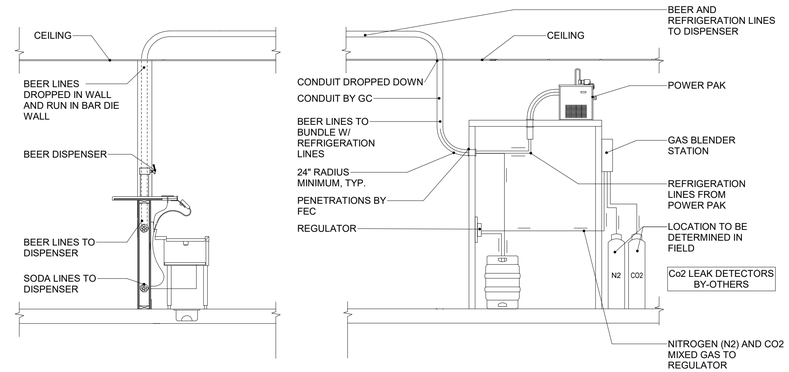
5 FREEZER CONDENSATE DETAIL
N.T.S.



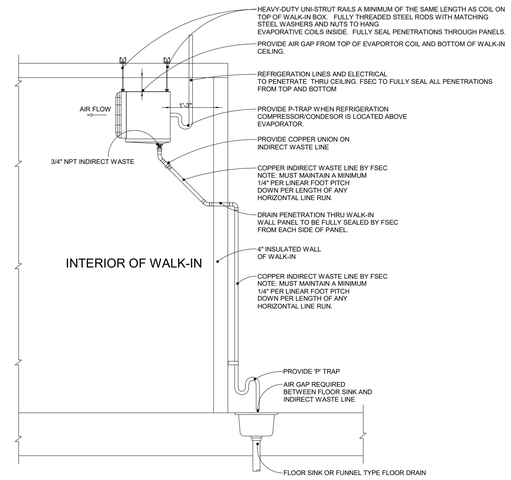
Krowne Metal #28-200 (or Equal) Positioning Chock Notes:

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.

3 WHEEL CHOCK INSTALLATION DETAIL
1/2" = 1'-0"



6 BEER LINE DETAIL
1/4" = 1'-0"



4 EVAPORATOR DETAIL
1/4" = 1'-0"

GREAT LAKES CULINARY DESIGNS
CREATIVE THINKING. EFFICIENT DESIGN.
24101 WEST NINE MILE ROAD
SOUTHFIELD, MI 48033
p. 313.962.9176
info@glcds.com
www.glcds.com
Foodservice Design Division of:
GREAT LAKES HOTEL SUPPLY CO.

#	DATE:	DESCRIPTION:

NOT FOR CONSTRUCTION FOR COORDINATION ONLY

PROJECT:

Key Lime Bistro

RSW International Airport

SHEET TITLE:

FOODSERVICE EQUIPMENT UTILITY COORDINATION DETAILS

SCALE:	As indicated
DESIGNER:	Designer
DESIGN TECH:	GLCD
DATE:	02-11-2025

PROJECT NUMBER:

CD-0213

SHEET NO:

FS2.3