

JIANG'S KITCHEN

RESTAURANT BUILD OUT 27 EAST ROBINSON STREET ORLANDO, FLORIDA 32801

OWNER:

SPEEDY DOWNTOWN, LLC

62 W COLONIAL DRIVE APT 209
ORLANDO, FLORIDA 32801

ARCHITECTURE, MECHANICAL, PLUMBING AND ELECTRICAL:



C4 ARCHITECTURE, LLC

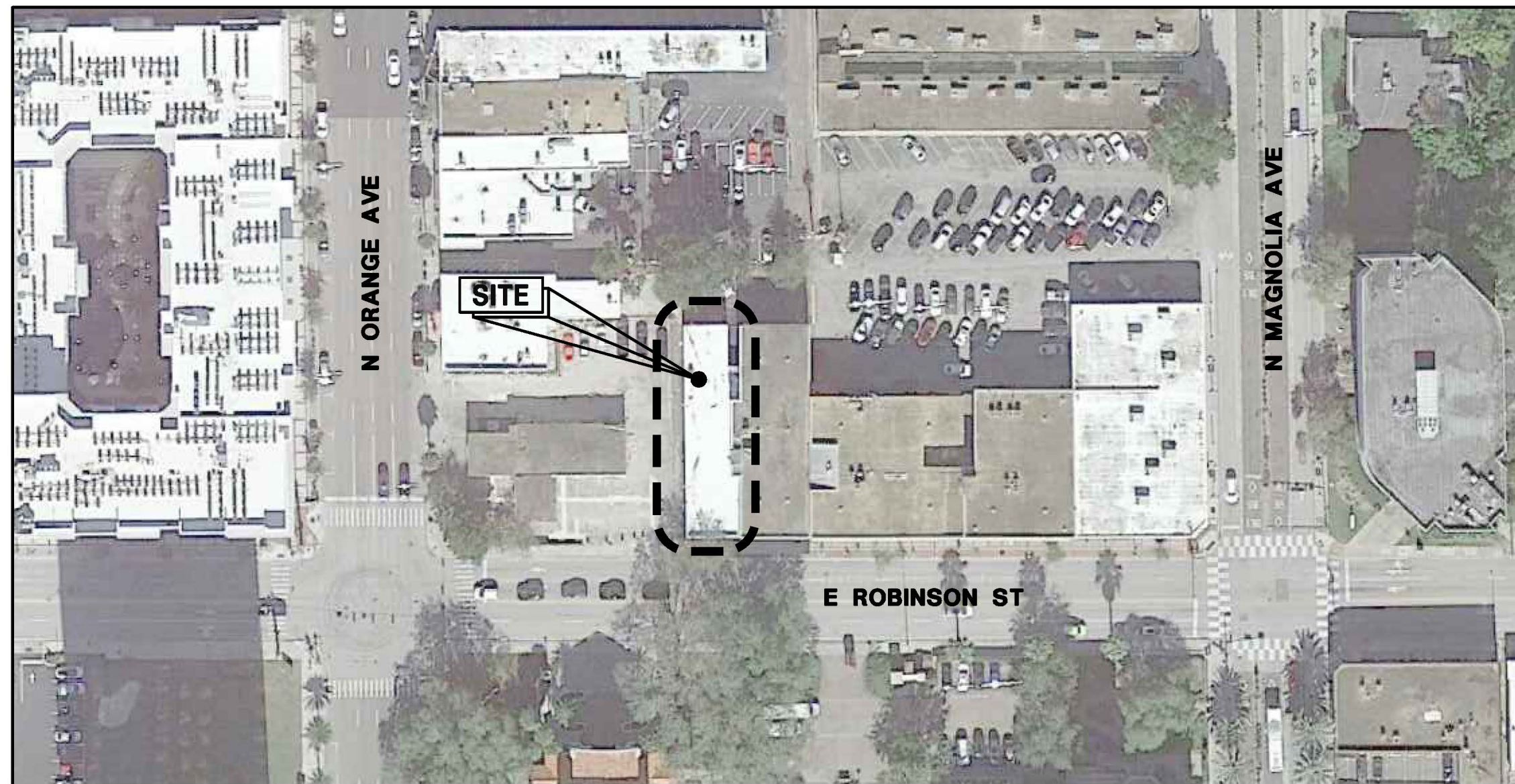
135 WEST CENTRAL BLVD. SUITE 400
ORLANDO, FLORIDA 32801
PHONE: (407) 363-6136

ARCHITECTURE CONTACT: RHENY SMITH

EMAIL: RSMITH@C4ARCHITECTURE.COM

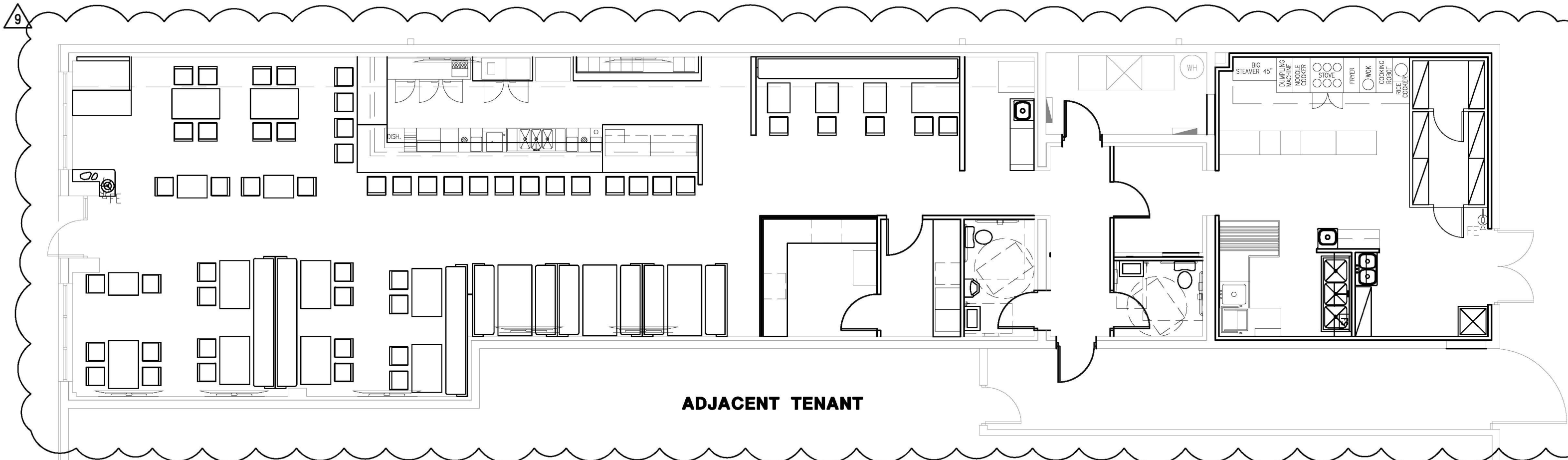
MECHANICAL & PLUMBING CONTACT: ERIC CROSS, PE
EMAIL: ECROSS@C4ARCHITECTURE.COM

ELECTRICAL CONTACT: DREW LILES, PE
EMAIL: DLILES@C4ARCHITECTURE.COM



VICINITY MAP

SCALE: N.T.S.



KEY PLAN

SCALE: 1/8" = 1'-0"

CODE INFORMATION

PROJECT SQUARE FOOTAGE:

ASSEMBLY (A-2) = 2,904 SQ. FT.

TOTAL S.F. = 2,904 SQ. FT.

ALTERATION LEVEL 2 -
(PER FBC EIGHTH EDITION (2023) - EXISTING BUILDING)

CONSTRUCTION TYPE:

TYPE II-B - UNPROTECTED, NON-SPRINKLERED (FBC)
TYPE II(000) - UNPROTECTED, NON-SPRINKLERED (NFPA)

OCCUPANCY:

A-2 - BUSINESS PER FLORIDA BUILDING CODE, EIGHTH EDITION (2023)
NO SEPARATION REQUIRED PER SECTION 508.3.3. AND
TABLE 508.4 OCCUPANCY SEPARATION.

APPLICABLE BUILDING CODES:

- FLORIDA BUILDING CODE, EIGHTH EDITION (2023)
- FLORIDA ENERGY CODE, EIGHTH EDITION (2023) - 2019 ASHRAE 90.1
- FLORIDA MECHANICAL CODE, EIGHTH EDITION (2023)
- FLORIDA PLUMBING CODE, EIGHTH EDITION (2023)
- EXISTING BLDG. FLORIDA BUILDING CODE, EIGHTH EDITION (2023)
- FLORIDA ACCESSIBILITY CODE, EIGHTH EDITION (2023)
- FLORIDA FIRE PREVENTION CODE, EIGHTH EDITION (2023)
- 2020 NATIONAL ELECTRIC CODE
- NFPA 101 LIFE SAFETY CODE, 2021 EDITION
- NFPA 10 STANDARD FOR PORTABLE FIRE EXTINGUISHERS, 2022 EDITION

MUNICIPALITY:

CITY OF ORLANDO

PARCEL ID #:

26-22-29-8596-00-184

PROPERTY DESCRIPTION:

G TAYLORS ADDITION TO ORLANDO C/69 THE E 30 FT OF W 176.6 FT OF
LOT 18 (LESS N 47 FT OF S 86.3 FT OF E 4.33 FT OF W 176.6 FT PER OR
346/410)

NOTES:

ROOF STRUCTURE IS NOT LIGHT GAUGE METAL FRAMING.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO FURNISH AND INSTALL ALL NECESSARY
COMPONENTS FOR THE PROPER OPERATION OF ALL SPECIFIED SYSTEMS, REGARDLESS OF
WHETHER THOSE COMPONENTS ARE SHOWN ON THE DRAWINGS OR NOT. CONTRACTOR SHALL
ALSO VERIFY THAT SPECIFIED COMPONENTS ARE COMPATIBLE WITH OTHERS WITHIN THE
SAME SYSTEM AND WITH THE SYSTEM ITSELF.

*SEPARATE PERMITS REQUIRED FOR: DUMPSTER ENCLOSURE, SIGNS, SPRINKLERS, FIRE ALARM,
AND BURGLAR ALARM.*

PROJECT NO.: 22500

DATE: JANUARY 27, 2023

△ CITY COMMENTS - 03/22/23.

△ OWNER'S CHANGES - 04/11/25.

△ NEW TENANT CHANGES - 07/25/25.

SHEET INDEX

ARCHITECTURAL

1	07-25-25	COVER SHEET
2	04-11-25	IA001 DEMOLITION PLAN
3	07-25-25	IA100 LIFE SAFETY PLAN
4	07-25-25	IA200 FLOOR PLAN
5	07-25-25	IA201 CEILING PLAN
6	07-25-25	IA202 EQUIPMENT PLANS
7	07-25-25	IA300 ENLARGED RESTROOM PLANS & DETAILS
8	07-25-25	IA500 WALL SECTIONS AND DETAILS

MECHANICAL

1	01-27-23	M001 MECHANICAL GENERAL NOTES
2	01-27-23	M300 MECHANICAL DEMOLITION PLAN
3	07-25-25	M301 MECHANICAL FLOOR PLAN
4	07-25-25	M302 MECHANICAL ROOF PLAN
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7	07-25-25	M701 KITCHEN HOOD DETAILS-CAPTIVEAIRE
8	07-25-25	M702 KITCHEN HOOD DETAILS-CAPTIVEAIRE
9	07-25-25	M703 KITCHEN HOOD DETAILS-CAPTIVEAIRE
10	07-25-25	M704 KITCHEN HOOD DETAILS-CAPTIVEAIRE
11	07-25-25	M705 KITCHEN HOOD DETAILS-CAPTIVEAIRE
12	07-25-25	M706 KITCHEN HOOD DETAILS-CAPTIVEAIRE
13	07-25-25	M707 KITCHEN HOOD DETAILS-CAPTIVEAIRE
14	07-25-25	M708 KITCHEN HOOD DETAILS-CAPTIVEAIRE
15	07-25-25	M709 KITCHEN HOOD DETAILS-CAPTIVEAIRE
16	07-25-25	M710 KITCHEN HOOD DETAILS-CAPTIVEAIRE

PLUMBING

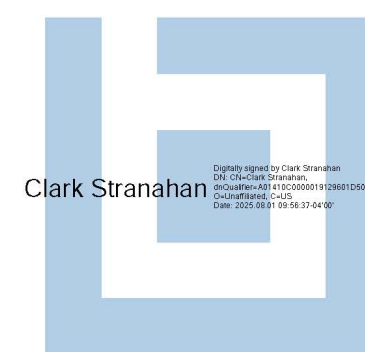
1	04-11-25	P001 PLUMBING GENERAL NOTES
2	07-25-25	P300 PLUMBING SANITARY WASTE & DOMESTIC WATER PLAN
3	07-25-25	P301 PLUMBING NATURAL GAS PLAN
4	07-25-25	P500 PLUMBING RISERS
5	07-25-25	P600 PLUMBING SCHEDULES AND DETAILS

ELECTRICAL

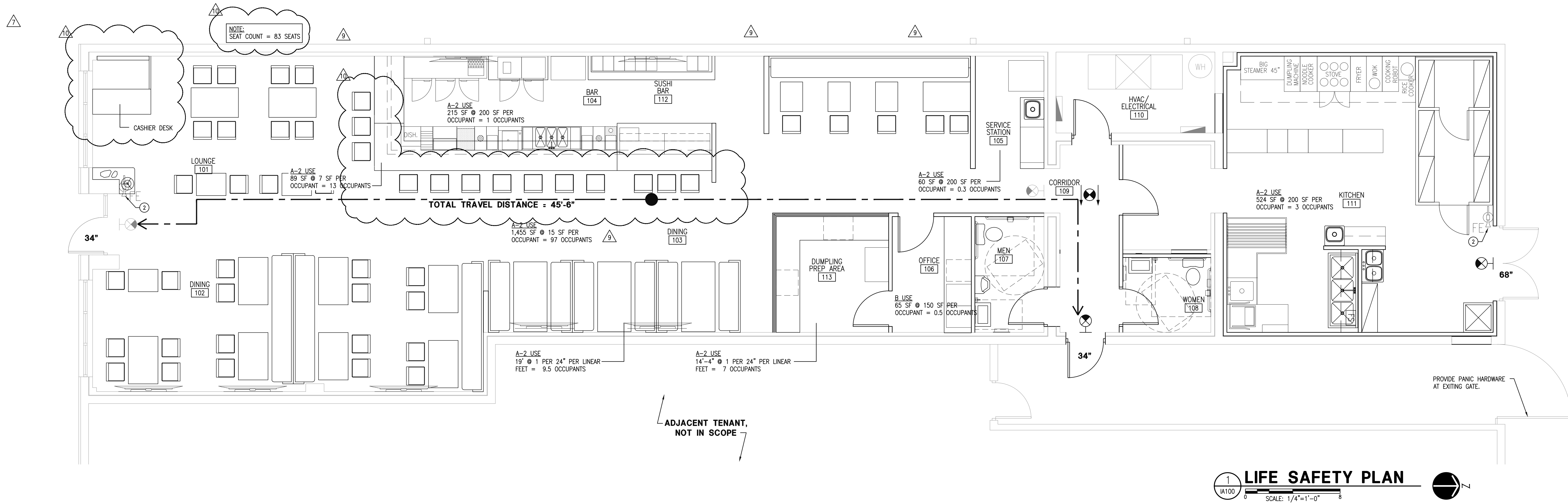
1	07-25-25	E100 ELECTRICAL NOTES, SPECIFICATIONS, SYMBOLS AND ABBREVIATIONS
2	07-25-25	E101 POWER RISER DIAGRAM, NOTES AND SPECIFICATIONS
3	07-25-25	E102 PANELBOARD & ELECTRICAL SCHEDULES
4	01-27-23	E103 FIRE ALARM 61G PLAN
5	07-25-25	E200 ELECTRICAL PLANS
6	07-25-25	E300 ELECTRICAL POWER PLANS
7	07-25-25	E400 ELECTRICAL DETAILS
8	01-27-23	E401 UL DETAILS

PLUMBING FIXTURES

REQUIRED FIXTURES - ASSEMBLY (A-2 = 131 OCCUPANTS)					
WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS	OTHER
MALE	FEMALE	MALE	FEMALE	1 PER 500	1 SERVICE SINK
131 PEOPLE = 1.75 FIXTS.	131 PEOPLE = 1.75 FIXTS.	131 PEOPLE = 0.86 FIXTS.	131 PEOPLE = 0.86 FIXTS.	1 PER 500	1 SERVICE SINK
0.87 MIN.	0.87 MIN.	0.33 MIN.	0.33 MIN.	0.26 MIN.	
TOTAL REQUIRED FIXTURES:					
WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS	OTHER
MALE	FEMALE	MALE	FEMALE	1 PER 500	1 SERVICE SINK
0.87 MIN.	0.87 MIN.	0.33 MIN.	0.33 MIN.	0.26 MIN.	1 SERVICE SINK
TOTAL PROVIDED FIXTURES:					
WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS	OTHER
MALE	FEMALE	MALE	FEMALE	ALL EXISTING PLUMBING FIXTURES TO REMAIN	
1	1	1	1		
URINALS				TOTAL OCCUPANTS = 131	
1					



2023
#001
JANUARY 27, 2023
22500



LIFE SAFETY PLAN
SCALE: 1/4"=1'-0"
N

LIFE SAFETY SUMMARY

OCCUPANT LOAD (PER FLORIDA BUILDING CODE - 7TH EDITION)		
ASSEMBLY (A-2 OCCUPANCY):		
1,455 S.F. (DINING)	= 97	OCCUPANTS (1 PER 15 SF/NFPA 101)
524 S.F. (KITCHEN)	= 3	OCCUPANTS (1 PER 200 SF/NFPA 101)
65 S.F. (OFFICE)	= 0.5	OCCUPANTS (1 PER 150 SF/NFPA 101)
60 S.F. (SERVICE STATION)	= 0.5	OCCUPANTS (1 PER 200 SF/NFPA 101)
215 S.F. (BAR)	= 1	OCCUPANTS (1 PER 200 SF/NFPA 101)
89 S.F. (BAR SEATING)	= 13	OCCUPANTS (1 PER 7 SF/NFPA 101)
33'-4" LINEAR IN. (BENCH SEATING)	= 16.5	OCCUPANTS (1 PER 24" = 16.5 OCCUPANTS)
TOTAL "A-2" OCCUPANCY	= 131	OCCUPANTS
MEANS OF EGRESS		
ASSEMBLY (A-2 USE):		
MAXIMUM ALLOWABLE TRAVEL DISTANCE	=	200' FT. (WITHOUT SPRINKLER SYSTEM)
MAXIMUM PROVIDED TRAVEL DISTANCE	=	45'-6" FT.
COMMON PATH TRAVEL PROVIDED	=	0'-0" FT.
MAXIMUM ALLOWABLE DEAD END CORRIDOR LENGTH	=	50' FT.
MINIMUM ALLOWABLE AISLE WIDTH	=	44 IN.
EGRESS WIDTH PER PERSON SERVED	=	2 IN.
2 INCHES x 131 OCCUPANTS	=	26.2 IN. REQUIRED (68 IN. PROVIDED)
LEGEND: TRAVEL DISTANCE, EXIT SIGN, DIRECTIONAL EXIT SIGN		

GENERAL NOTES:

- A. ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD UNLESS NOTED OR SHOWN OTHERWISE. ANY DIMENSIONS NOT SHOWN OR DEEMED QUESTIONABLE ARE TO BE VERIFIED BY ARCHITECT. DO NOT SCALE DRAWINGS.
- B. PROVIDE WOOD BLOCKING SUPPORTS AS REQUIRED FOR ALL SURFACE MOUNTED ITEMS.
- C. COORDINATE WORK OF THIS TRADE WITH OTHER TRADES.
- D. NEW DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS, WHERE MORE THAN ONE DOOR OCCURS IN A ROOM, 'A' SUFFIX HAS BEEN ADDED (I.E. 100A).
- E. PROVIDE MISCELLANEOUS METAL SUPPORT FOR ALL CEILING SUSPENDED ITEMS.
- F. APPLY SEALANT AT ALL JUNCTURES BETWEEN DIFFERENT MATERIALS (I.E. STOREFRONT AND GYPSUM BOARD).
- G. APPLY SEALANT AT ALL PLUMBING FIXTURES AT JUNCTURE WITH WALL.
- H. APPLY SEALANT AT ALL COUNTERTOPS AND BACK SPLASHES AT JUNCTURE WITH WALL.
- I. ALL STEEL STUDS ARE TO BE BRACED ACCORDING TO MANUFACTURER'S LIMITING HEIGHT L/120.
- J. ALL INTERIOR WALLS SHALL BE MARKED IN PLACE PRIOR TO FRAMING FOR ARCHITECT TO REVIEW.
- K. ALL DOORS MUST BE INSTALLED WITH AT LEAST THE MINIMUM MANEUVERING CLEARANCE AT THE DOOR APPROACH PER THE MOST CURRENT AMERICANS WITH DISABILITIES ACT AND FLORIDA BUILDING CODE.
- L. FLOOR SHALL BE CLEANED, SMOOTH AND LEVEL FOR INSTALLATION OF NEW FLOOR FINISHES AS SHOWN.
- M. ALL FURNITURE & WORK STATIONS PROVIDED & INSTALLED BY TENANT.
- N. PROVIDE GYPSUM BOARD, FURRING, AND INSULATION ON EXTERIOR WALL IN ALL CONDITIONED SPACE AS NECESSARY.
- O. FIRE EXTINGUISHERS SHOWN IN ASSUMED LOCATIONS. CONTRACTOR TO COORDINATE NUMBER, TYPE & LOCATION REQUIRED PER CODE AND CONFIRM WITH LOCAL FIRE MARSHALL.
- P. PROVIDE SEALED PENETRATIONS INTO BUILDING FOR CABLE, TV & TELEPHONE. COORDINATE WITH OWNER.
- Q. SAVE ALL REMOVED ITEMS FOR OWNER, PER OWNER'S DIRECTION, UNLESS OTHERWISE SPECIFIED.
- R. ALL WALLS SCHEDULED TO REMAIN (I.E. CORE WALLS, AND DEMISING WALLS) SHALL BE PATCHED, REPAIRED AND SANDED SMOOTH IN PREPARATION FOR NEW FINISHES.
- S. NEW MECHANICAL RTU LOCATED ON THE ROOF WILL NOT BE VISIBLE FROM THE STREET. IN CASE IT BECOMES VISIBLE, MANUF. SCREENING WILL BE INSTALLED, PER MANUF. STANDARDS.
- T. ALL EXISTING FIRE WALLS THAT HAVE BEEN PARTIALLY REMOVED ABOVE THE CEILING MUST BE DEMOLISHED COMPLETELY. REMOVE ALL FIRE SMOKE BARRIER SIGNS.

PLAN NOTES:

- 1 ALIGN FINISHES.
- 2 FIRE EXTINGUISHER LOCATION. MOUNT TOP AT +54" A.F.F. FIRE EXTINGUISHER TO HAVE MIN. RATING OF 4A:20BC FOR EVERY 3000 SQ.FT. OF FLOOR AREA. TRAVEL DISTANCE TO AN EXTINGUISHER SHALL NOT EXCEED 75 FEET. ALL EXTINGUISHERS SHALL BE CONSPICUOUSLY LOCATED AND READILY ACCESSIBLE. THE TOP OF THE EXTINGUISHER SHALL NOT BE MORE THAN 5'-0" ABOVE THE FLOOR AND THE BOTTOM OF THE EXTINGUISHER SHALL NOT BE LESS THAN 4" ABOVE THE FLOOR.
- 3 NEW JANITOR MOP SINK. SEE PLUMBING DRAWINGS.
- 4 EXISTING WATER HEATER LOCATION.
- 5 COUNTERTOP BY TENANT AND INSTALLED BY GC. CONTRACTOR TO VERIFY DIMENSIONS WITH TENANT BEFORE INSTALLATION.
- 6 FURNITURE PROVIDED & INSTALLED BY TENANT.
- 7 TELEVISION PROVIDED AND INSTALLED BY TENANT. GC TO PROVIDE BLOCKING AS REQUIRED.



Revisions:
OWNER'S CHANGES - 04/10/25
NEW TENANT CHANGES - 07/25/25
CITY COMMENTS - 09/04/25

Scale:	AS	NOTED
Date:	01/27/2023	
Drawn By:	RS	
Checked By:	CMS	

JIANG'S KITCHEN
RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801
LIFE SAFETY PLAN





Drawing Number:

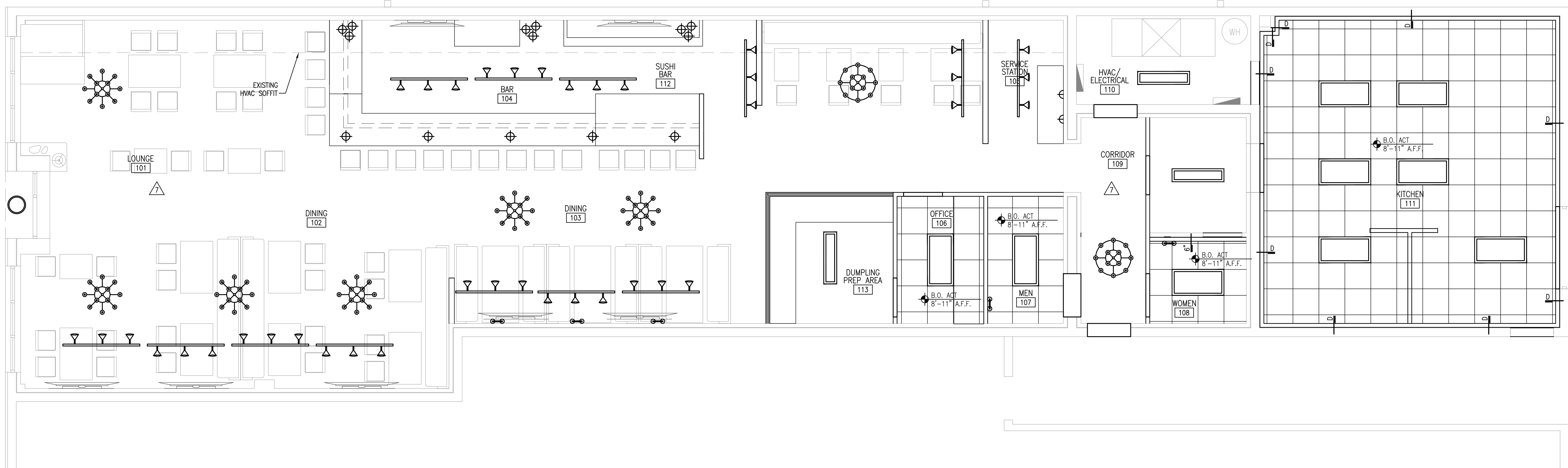
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Of Sheets

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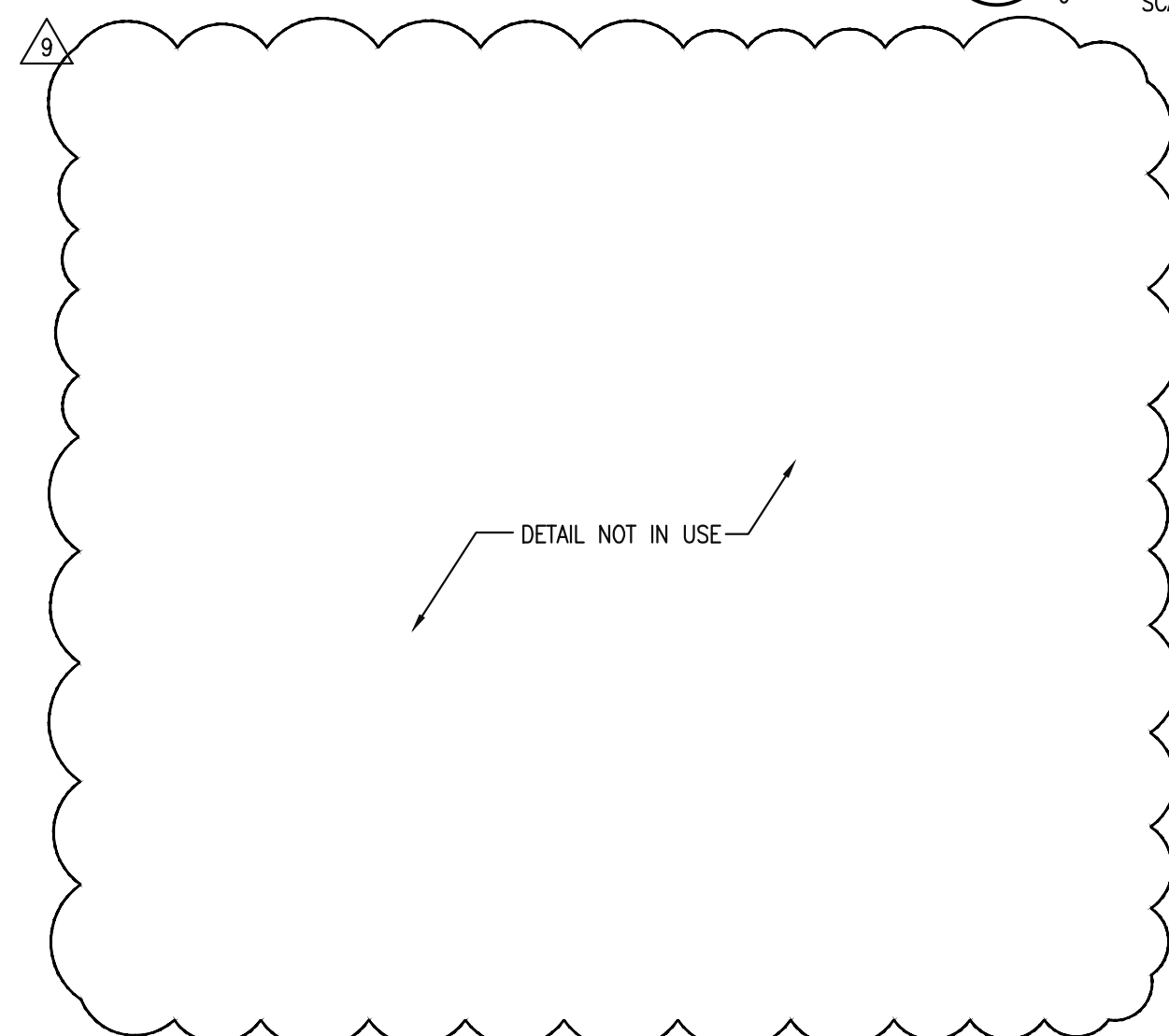
A/E Job Number:

22500



REFLECTED CEILING PLAN

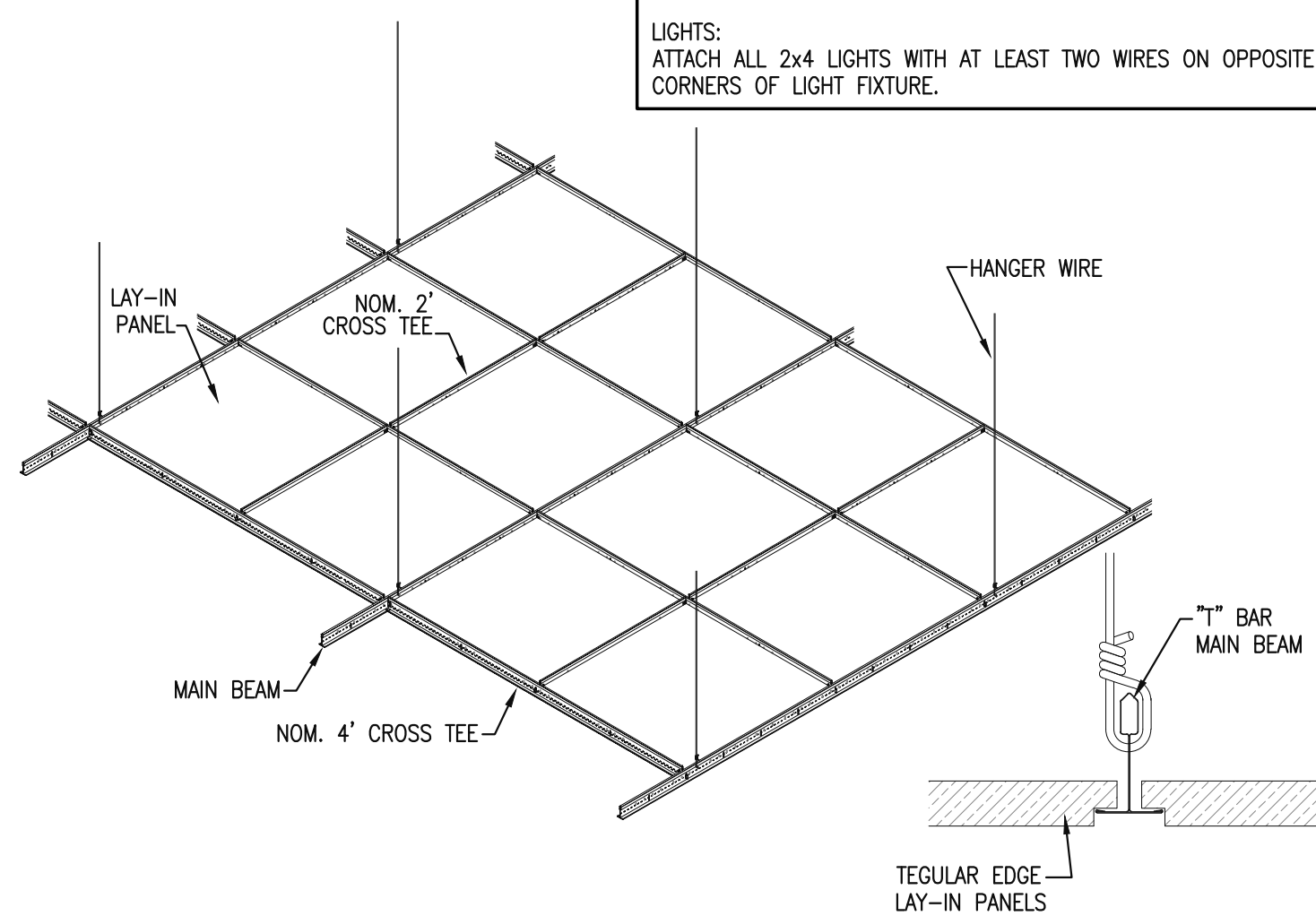
SCALE: 1/4"=1'-0"



NOTE:
ACOUSTIC CEILING GRID SHALL BE 15/16" AND SUSPENDED A MIN. OF 4'-0" O.C. WITH 12 GA. STEEL WIRE PER ASTM C336. EDGE GRID SHALL BE ATTACHED WITH SCREWS A MINIMUM OF 4'-0" O.C.

ADP1:
24"x24"x15/16" WHITE ACOUSTIC CEILING TILE, MFG: ARMSTRONG, DUNE, STYLE #1774, EDGE ANGLED TEGULAR, GRID: 15/16".

LIGHTS:
ATTACH ALL 2x4 LIGHTS WITH AT LEAST TWO WIRES ON OPPOSITE CORNERS OF LIGHT FIXTURE.



TYPICAL CEILING DETAIL

SCALE: 1/2"=1'-0"

GENERAL NOTES:

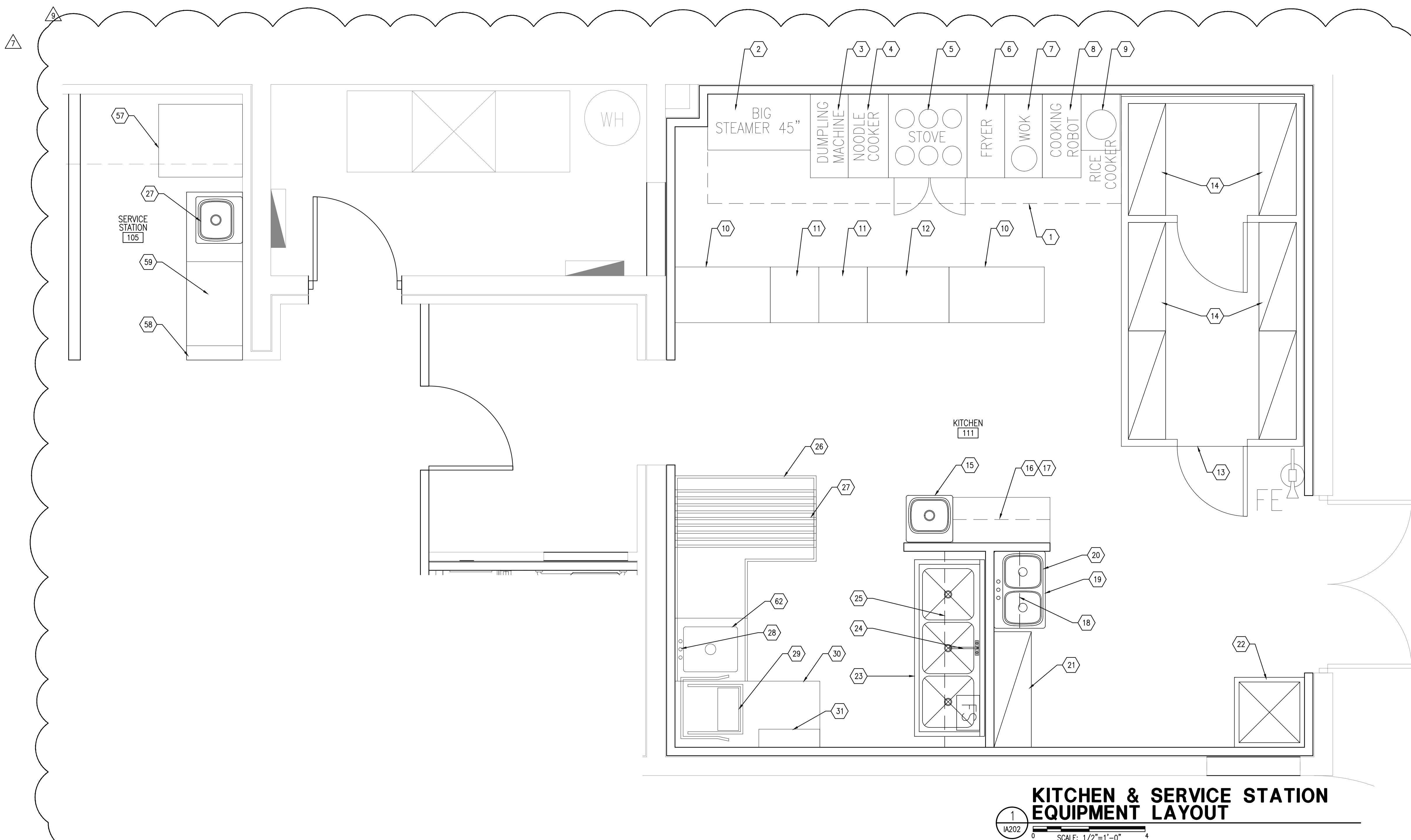
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GENERAL CEILING NOTES:

- ALL WALLS GO TO UNDERSIDE OF CEILING GRID/TILES UNLESS NOTED AS FOLLOWS:
 - 6" WALL EXTENDS 6" ABOVE GRID/TILES.
 - D WALL EXTENDS TO DECK ABOVE.
 - XD EXISTING WALL EXTENDS TO DECK ABOVE.
- ALL CEILINGS TO BE 8'-11" AFF. UNLESS NOTED.
- LIGHTS, DIFFUSERS, AND SPRINKLER HEADS ARE SHOWN FOR SUGGESTED LOCATION ONLY. SEE ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.
- NEW CEILING TILE SHALL BE CENTERED IN THE ROOM WITH GREATER THAN 1/2" TILE AROUND THE PERIMETER. UNLESS SHOWN OTHERWISE.

CEILING LEGEND:

- AT-1, NEW 2'x2' SUSPENDED ACOUSTIC CEILING GRID. 2x2 WHITE, ARMSTRONG DUNE CEILING 24"x24"x5/8" W/ TEGULAR EDGE OR EQUAL, WHITE, OR APPROVED ALTERNATE.
- NEW 2'x4' RECESSED LED LIGHT FIXTURE.
- NEW 1'x4' RECESSED LED LIGHT FIXTURE.
- NEW LED TRACK LIGHT FIXTURE
- PENDANT CAN LED FIXTURE
- LOUNGE/DINING ROOM CHANDELIER
- ROOM VESTIBULE CHANDELIER
- NEW LIGHTED EXIT SIGN TO MATCH BUILDING STANDARD
- NEW DIRECTIONAL LIGHTED EXIT SIGN TO MATCH BUILDING STANDARD

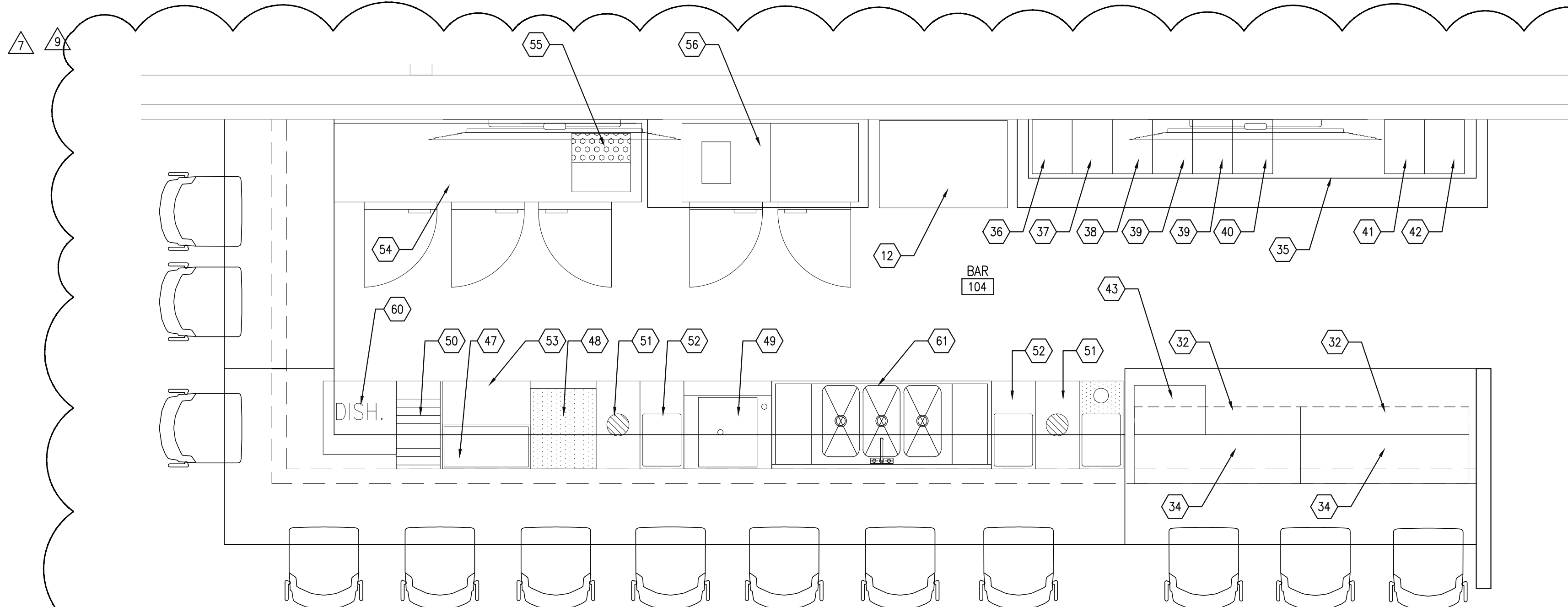


**KITCHEN & SERVICE STATION
EQUIPMENT LAYOUT**

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IA202
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SCALE: 1/2"=1'-0"

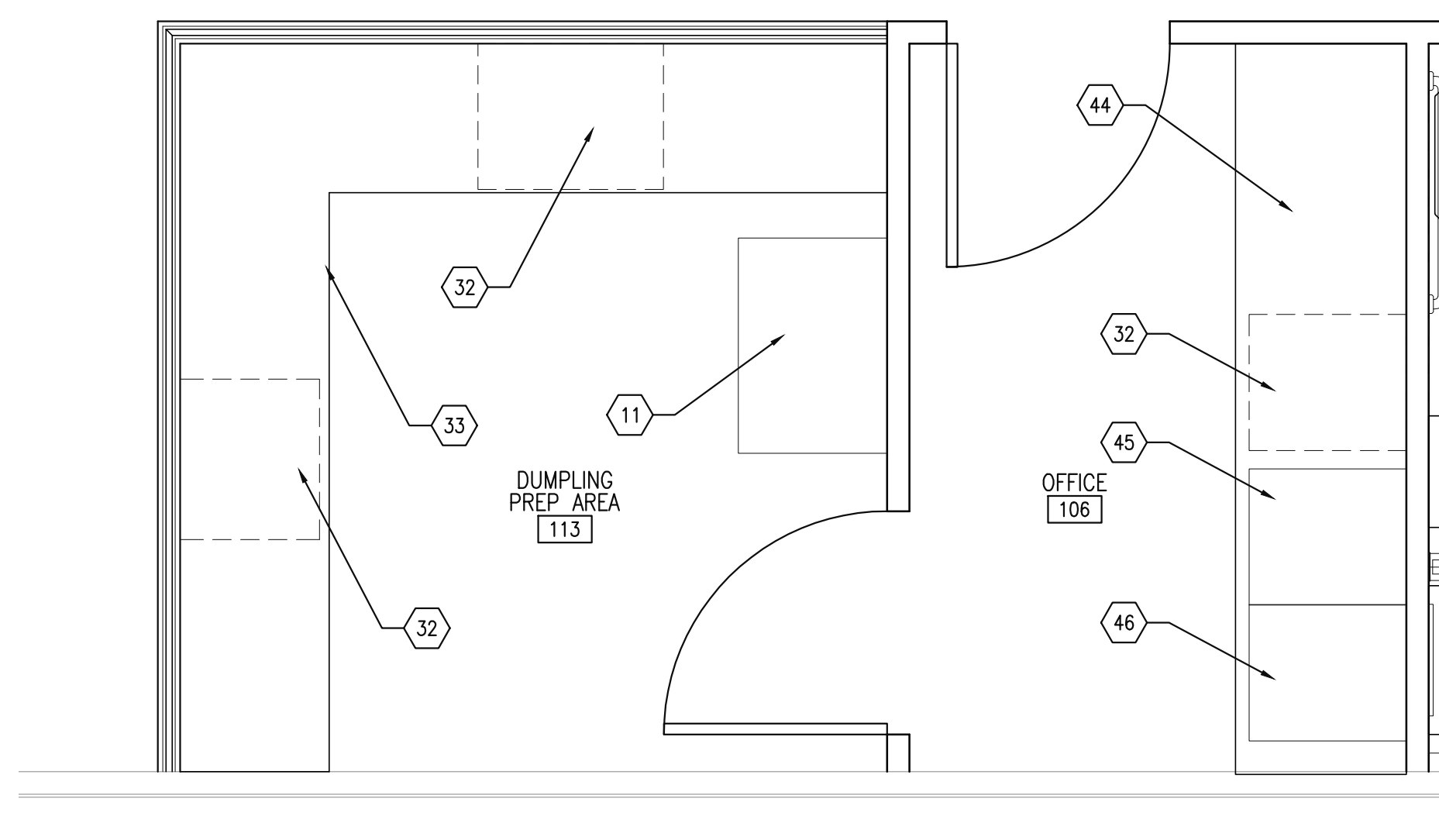
PLAN EQUIPMENT NOTES:

1. EXHAUST HOOD CAPTIVE-AIRE.
2. BIG STEAMER 45".
3. DUAL FRIED DUMPLING MACHINE.
4. NOODLE COOKER.
5. RANGE, 36", 6 OPEN BURNERS WITH OVEN.
6. DEEP FRYER.
7. CHINA WOK.
8. AI COMMERCIAL COOKING ROBOT.
9. RICE COOKER.
10. WORK TABLE.
11. REACH IN FREEZER.
12. 48" SANDWICH PREP FRIDGE.
13. WALK-IN COMBINATION COOLER/FREEZER, REMOTE TAFCO
14. WIRE SHELVING EAGLE GROUP 1860VG
15. HAND SINK BK RESOURCES BKHS-D-SS-SS-P- G
16. WORK TABLE, STAINLESS STEEL TOP ADVANCE TABCO SLAG-185-X
17. SHELVING, WALL MOUNTED ADVANCE TABCO WS-12-60
18. OVERSHELF ADVANCE TABCO PS-12-48
19. TWO (2) COMPARTMENT SINK ADVANCE TABCO FC-2-1824
20. WALL/SPLASH MOUNT FAUCET KROWNE 14-814L
21. WIRE SHELVING EAGLE GROUP 2448VG
22. MOP SINK ADVANCE TABCO 9-OP-40
23. THREE (3) COMPARTMENT SINK ADVANCE TABCO FC-3-1824-18RL-X
24. WALL/SPLASH MOUNT FAUCET KROWNE 14-816L
25. OVERSHELF ADVANCE TABCO PS-15-96
26. DISHTABLE, SOILED "L" SHAPED ADVANCE TABCO DTS-D30-72R
27. DISHTABLE SORTING SHELF ADVANCE TABCO DTA-79
28. PRE-RINSE FAUCET ASSEMBLY KROWNE 17-108WL
29. DISHWASHER, DOOR TYPE JACKSON WWS CONSERVER XL-E
30. CLEAN DISHTABLE ADVANCE TABCO DTC-S70-48L-X
31. SHELVING, WALL MOUNTED ADVANCE TABCO WS-12-36
32. UNDERCOUNTER FRIDGE.
33. L-SHAPE COUNTER BY TENANT.
34. SUSHI DISPLAY CASE.
35. WALL MOUNTED SHELF. COORDINATE SIZE WITH TENANT.
36. HOT WATER DISPENSER.
37. FRUCTOSE DISPENSER.
38. CUP SHAKING MACHINE.
39. BLENDER.
40. BLENDER.
41. SUSHI ROLL MAKI MAKER.
42. SUSHI ROLL MAKI CUTTER.
43. TEA & COFFEE EXPRESSO MACHINE.
44. COUNTER. COORDINATE SIZE WITH TENANT.
45. DOUGH MIXER.
46. DOUGH SHEETER.
47. MODULAR BAR SYSTEM GLASTENDER MD
48. GLASS RACK GLASTENDER DBGR-18
49. ICE BIN GLASTENDER IBA-24-CP10
50. BOTTLE STORAGE UNIT GLASTENDER LDA-12S
51. UNDERBAR ADD-ON UNIT GLASTENDER DWB-12
52. HAND SINK GLASTENDER DHSB-12
53. GLASS FROSTER GLASTENDER MF24-52
54. BACK BAR CABINET, REFRIGERATED GLASTENDER C1FB84
55. DRAFT BEER/WINE DISPENSING TOWER GLASTENDER BT-4-MF
56. BACK BAR CABINET, REFRIGERATED GLASTENDER C2FB60
57. ICE MAKER, CUBE-STYLE MANITOWOC IY0900A 208-23
58. BEVERAGE COUNTER ADVANCE TABCO BEV-30-84L
59. SODA MACHINE.
60. BAR DISHWASHER.
61. UNDERBAR SINK UNITS GLASTENDER TSB-60-S.
62. COMPARTMENT SINK - KROWNE BS-2421 27".



2 BAR EQUIPMENT LAYOUT

IA202
0 4
SCALE: 1/2"=1'-0"



3 ENLARGED FLOOR PLAN

IA202
0 4
SCALE: 1/2"=1'-0"

JIANG'S KITCHEN

RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801

EQUIPMENT PLANS

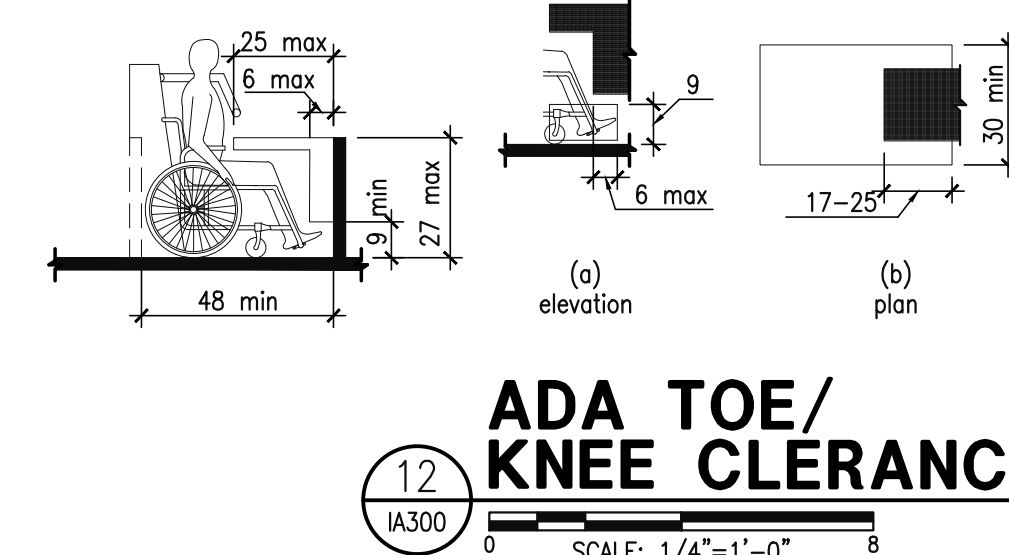
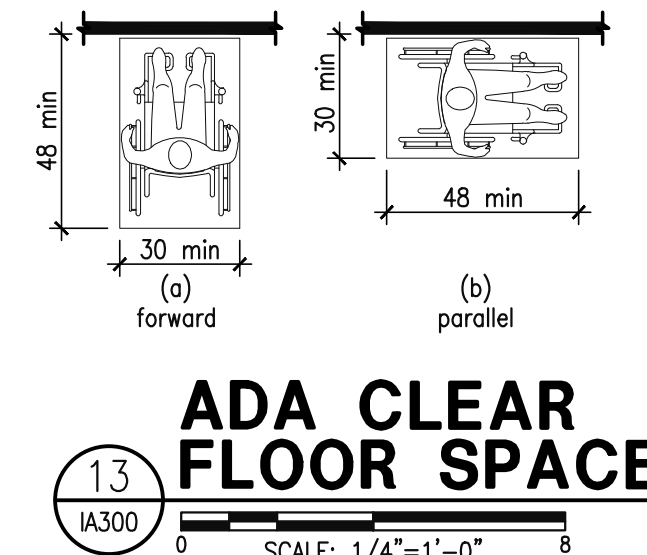
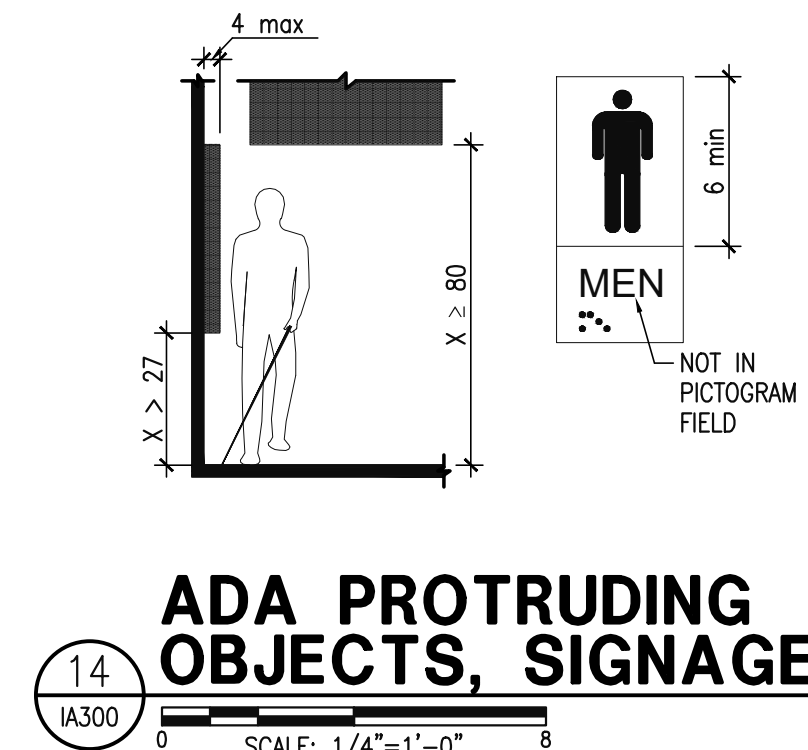
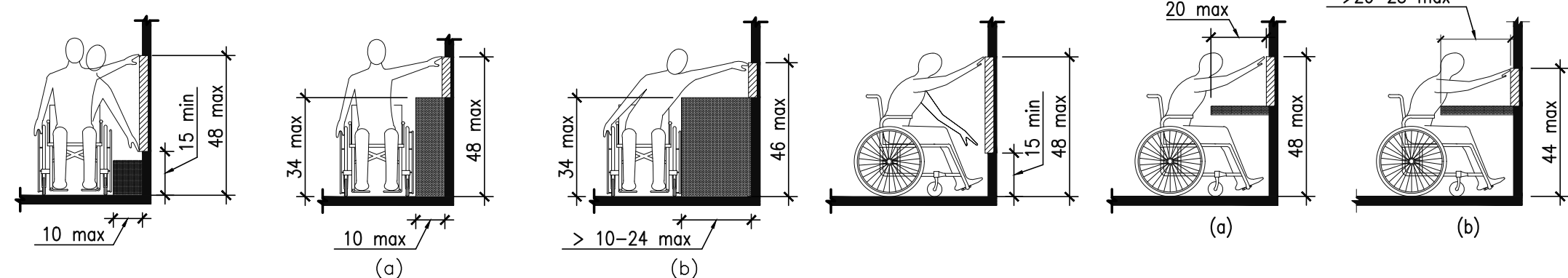
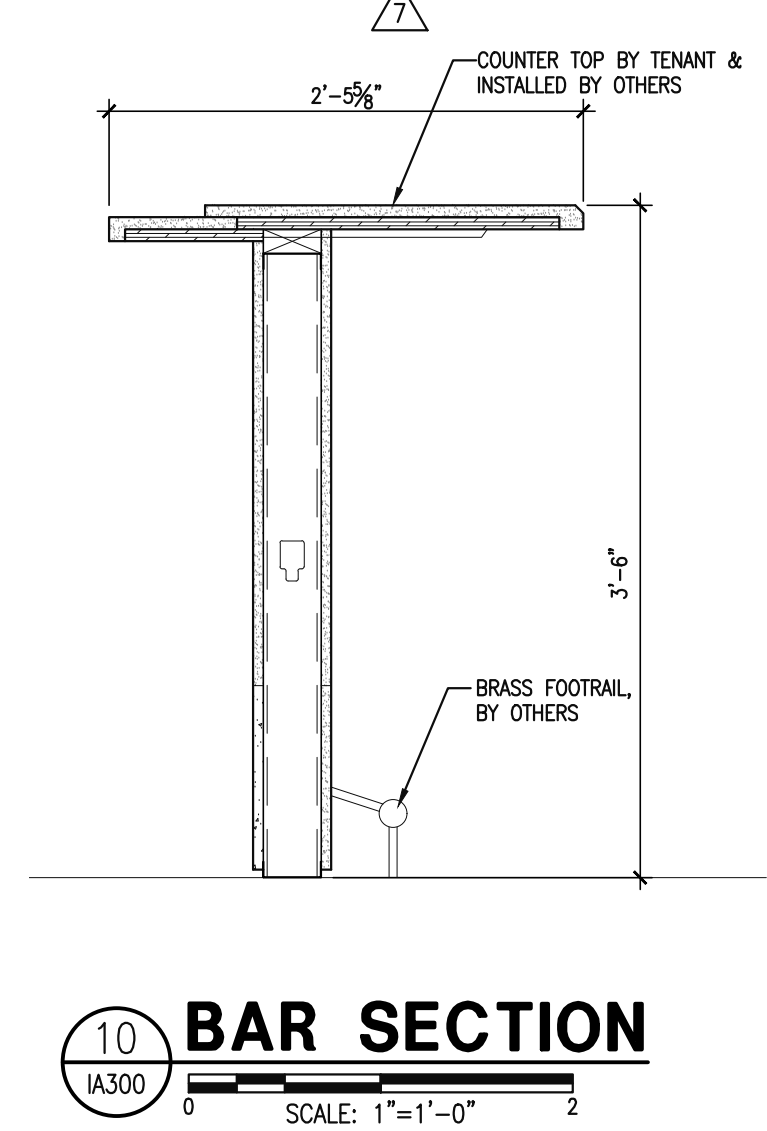
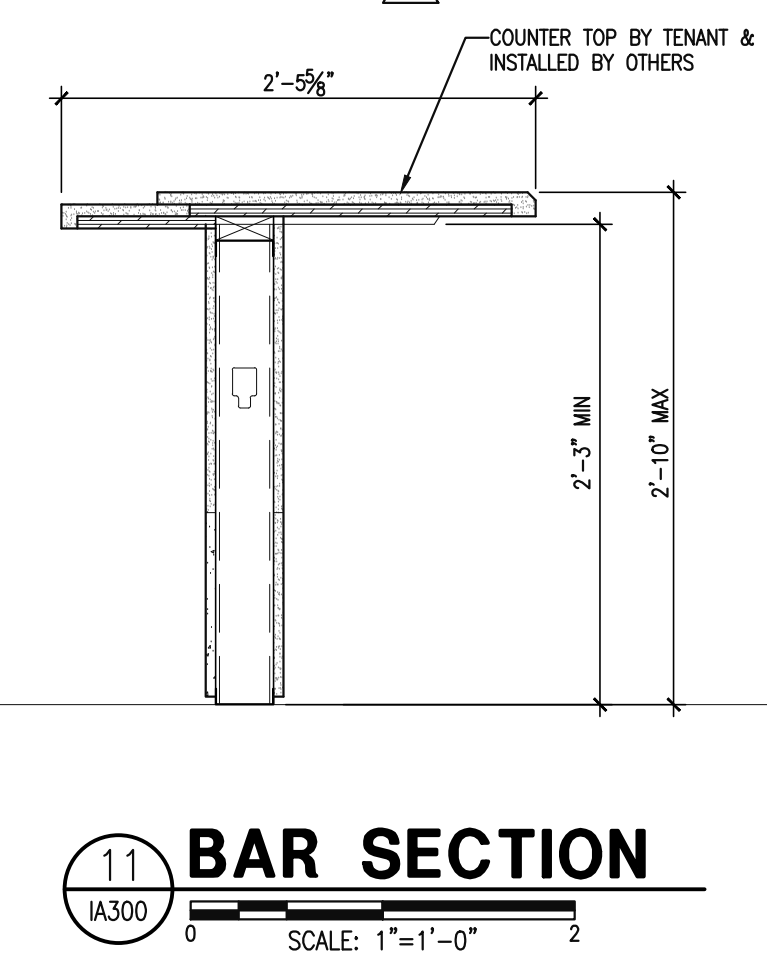
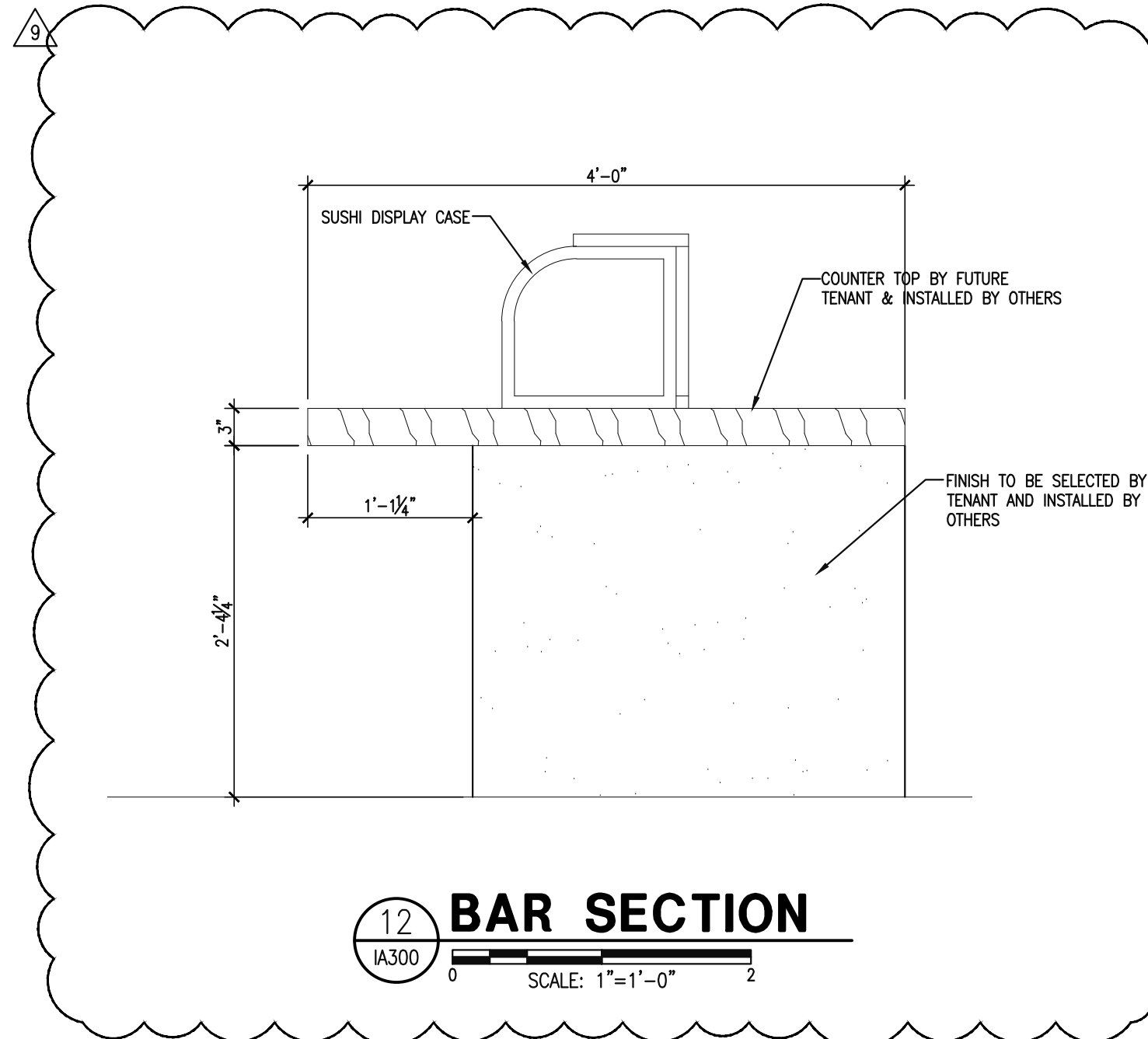
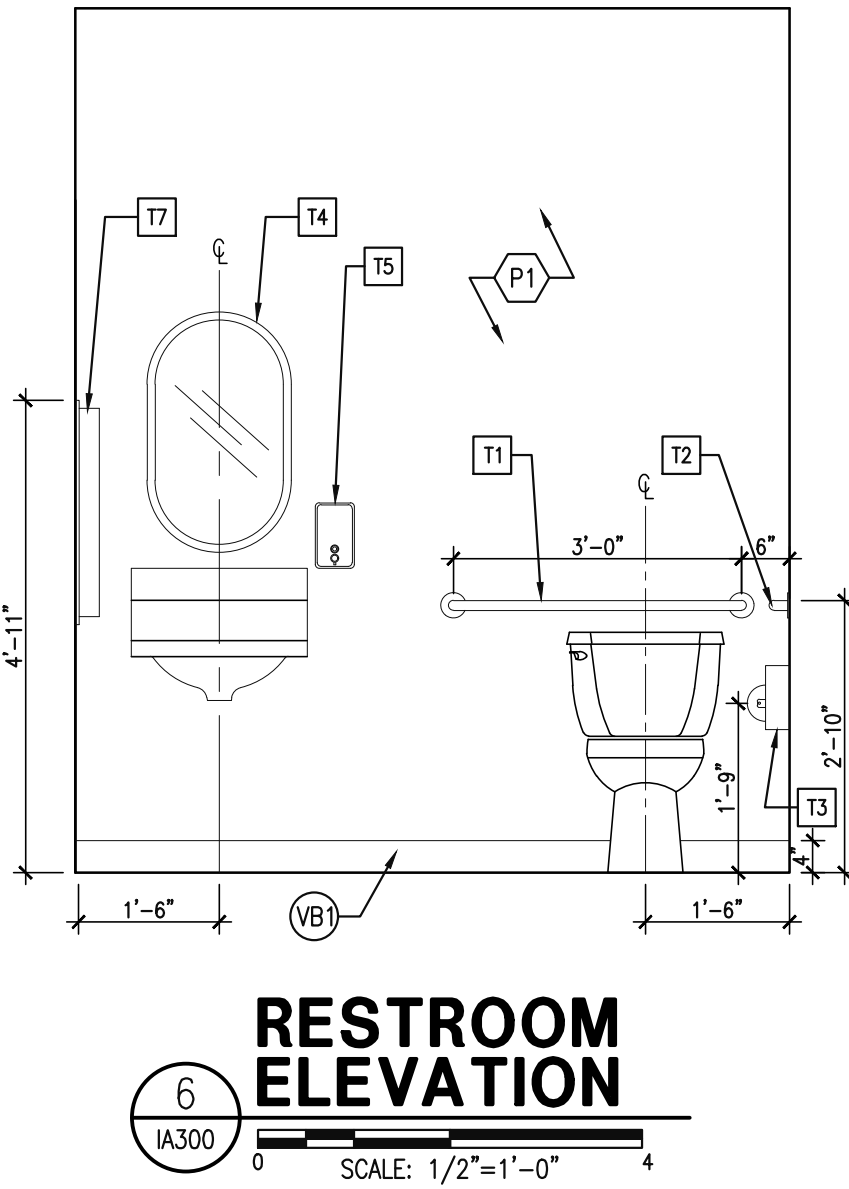
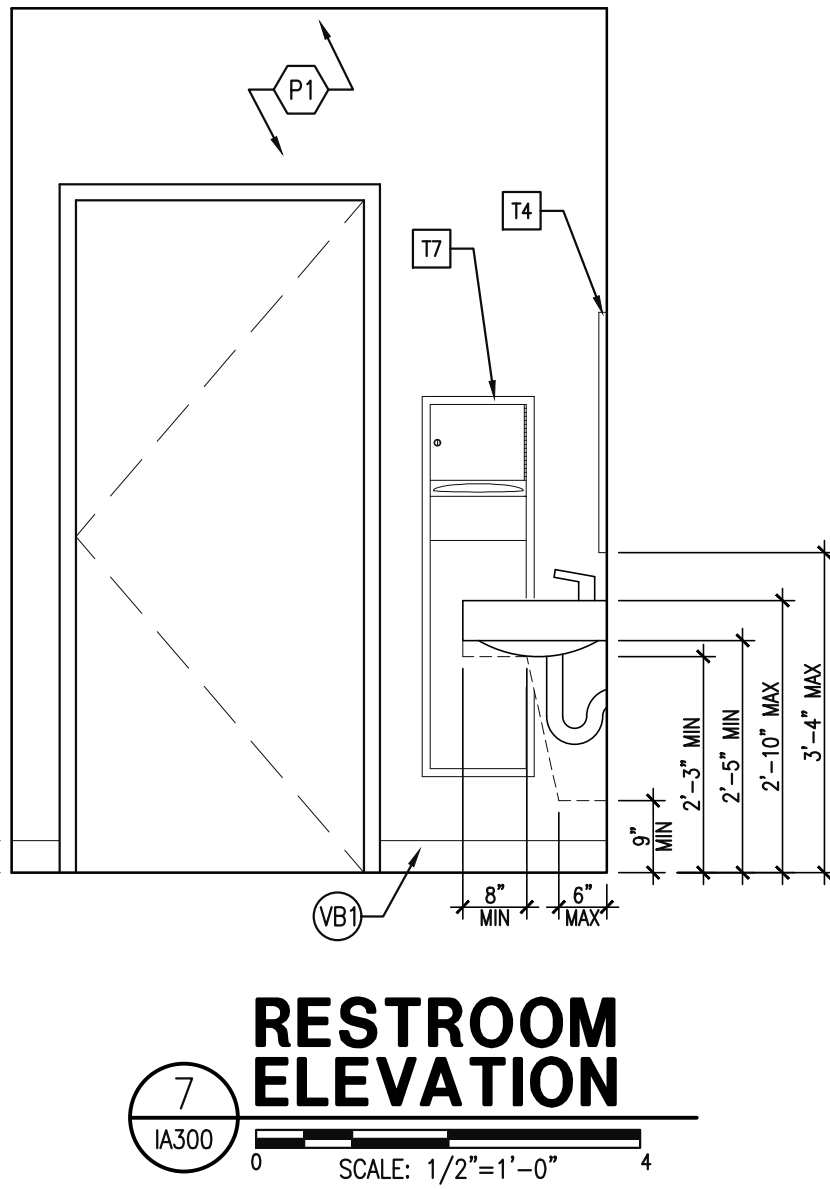
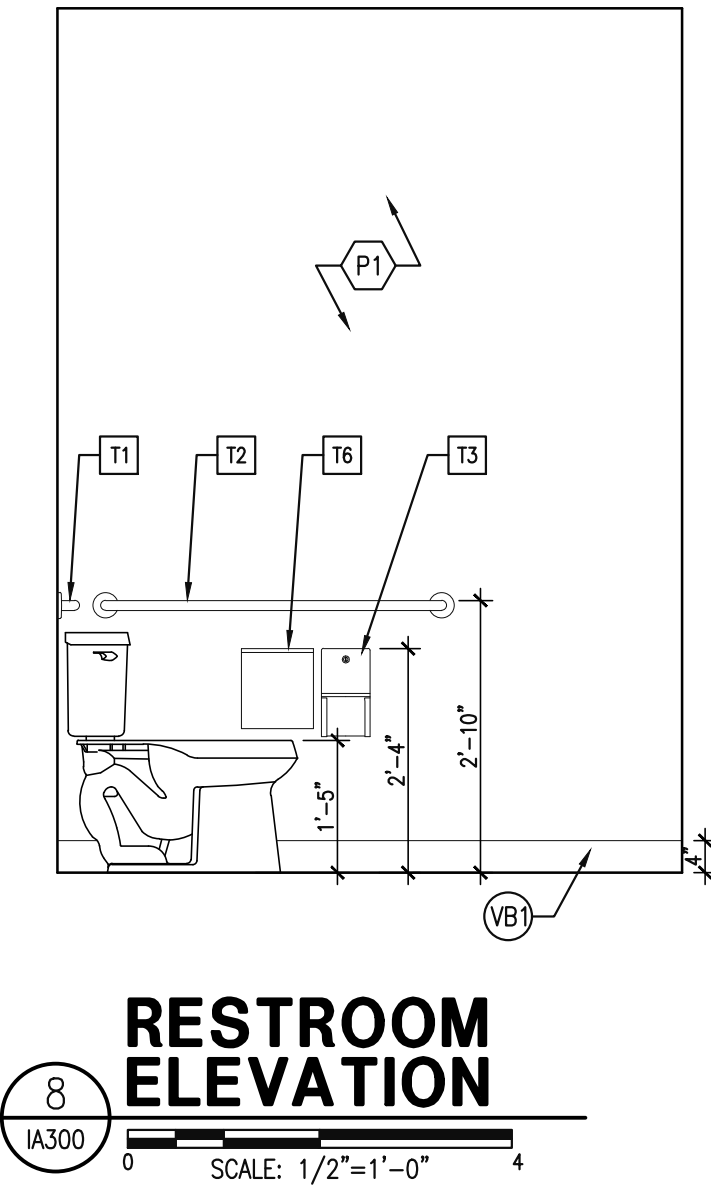
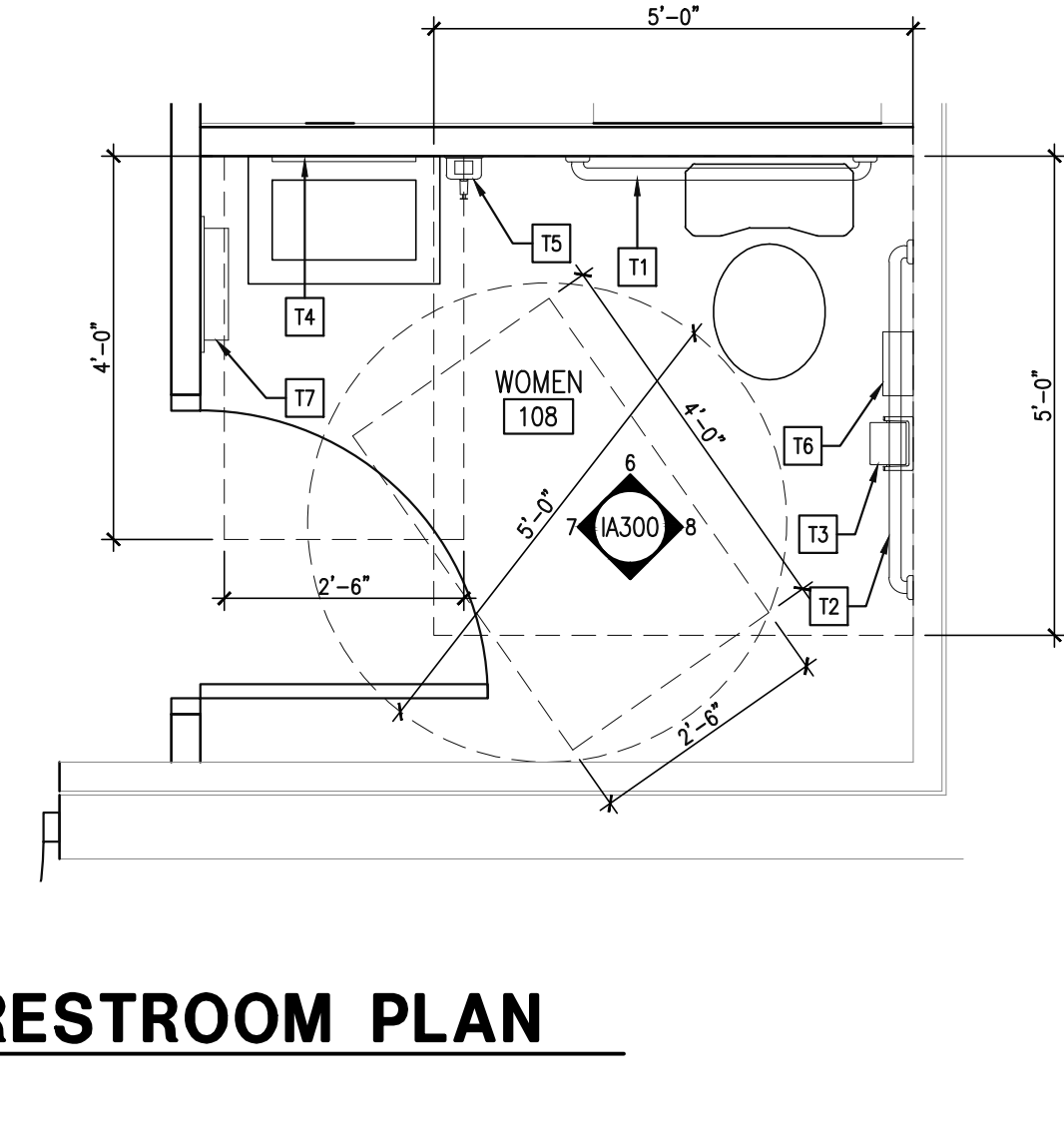
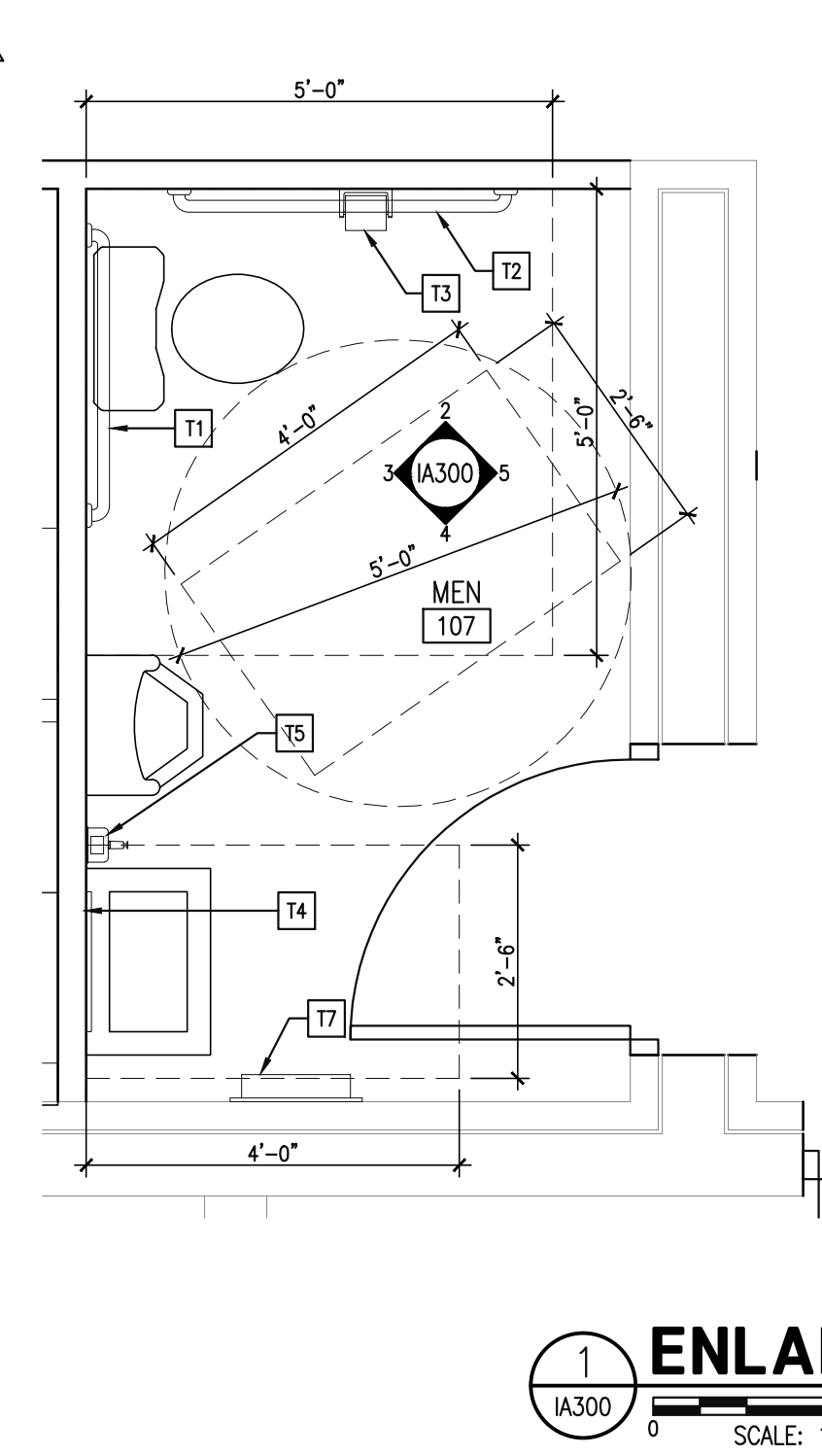
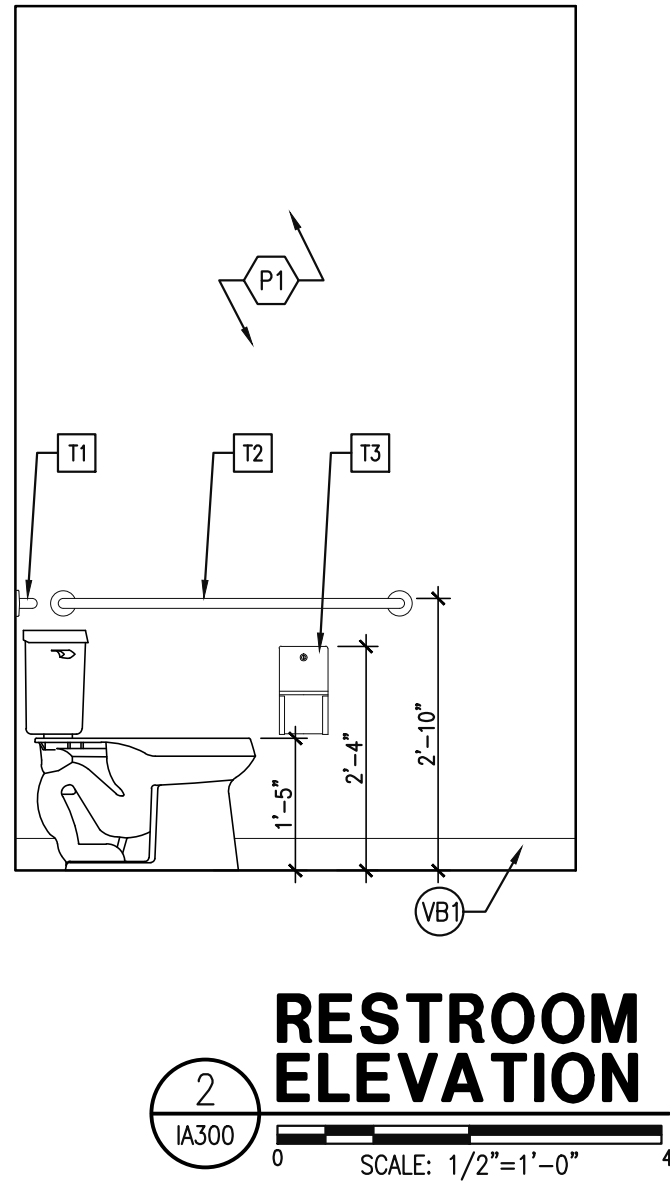
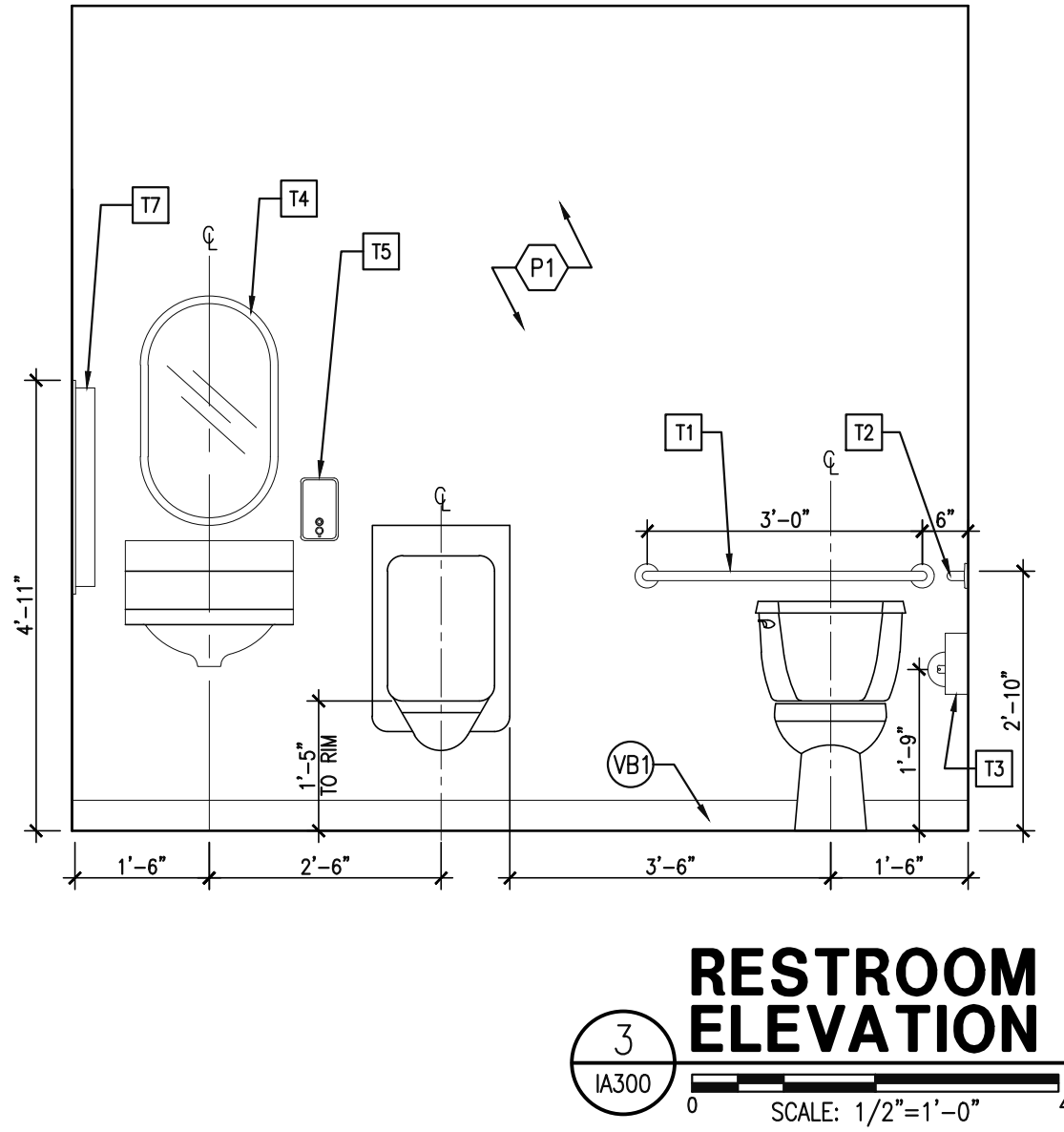
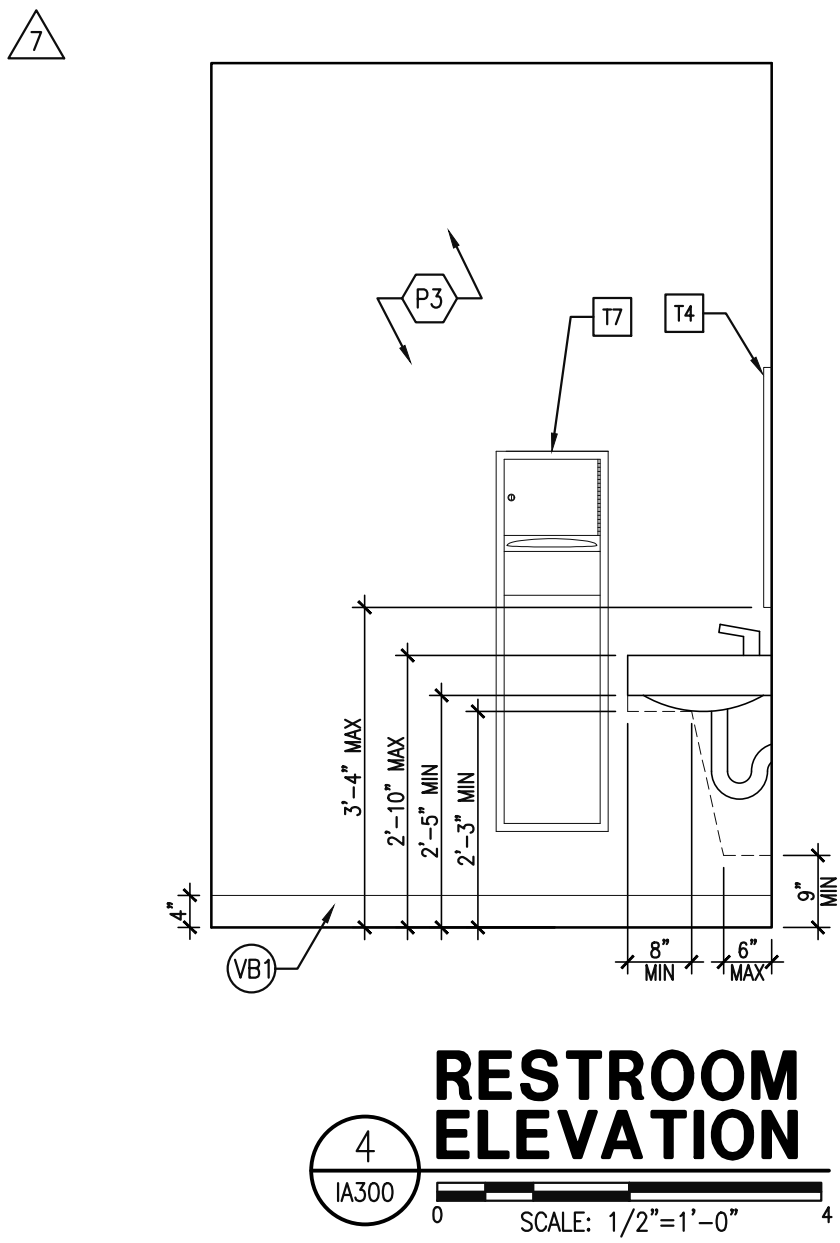


Drawing Number:

IA202
Of Sheets

Issuance:

A/E Job Number:
22500



GENERAL FINISH NOTES:

- XXX INDICATES FLOOR FINISH TO BE DETERMINED
XX INDICATES BASE FINISH TO BE DETERMINED
XXX INDICATES MISCELLANEOUS FINISH TO BE DETERMINED
1. PROVIDE SAMPLES OF ALL FINISHES TO ARCHITECT/DESIGNER FOR REVIEW INCLUDING INSTALLATION JOINT AND SEAM LAY-OUTS.
2. REFERENCE INTERIOR ELEVATIONS, WHERE PROVIDED, FOR ADDITIONAL FINISH INFORMATION.
3. PAINT ALL EXPOSED METAL SURFACES (ie. GRILLES, HEATERS, AND FIRE EXTINGUISHER CABINETS) TO MATCH ADJACENT SURFACE.
4. ALTERNATES WILL NOT BE ACCEPTED WITHOUT WRITTEN APPROVAL OF ARCHITECT/DESIGNER. SAMPLES, WHEN APPLICABLE, SHALL BE SUBMITTED FOR REVIEW.
5. ALL FLOORING TRANSITIONS ARE TO BE EASED USING LATEX TO ACHIEVE A SMOOTH AND UNIFORM TRANSITION. UNLESS NOTED OTHERWISE.
6. ALL CARPET IS TO BE DIRECT GLUE, UNLESS NOTED OTHERWISE.
7. GC TO HAVE MOISTURE TESTING DONE BEFORE INSTALLING CARPET ON NEW LIGHTWEIGHT CONCRETE ELEVATED SLABS ONLY.
8. TRANSITIONS BETWEEN UNLIKE FLOORING SURFACES ARE TO BUTT UP TO EACH OTHER WITHOUT ANY GRADE DIFFERENCE. IF THIS IS NOT POSSIBLE THEN TRANSITION STRIPS ARE TO BE USED BETWEEN UNLIKE FLOORING SURFACES. TRANSITION STRIPS ARE TO BE MANUFACTURERS STANDARD - SCHULTER SYSTEMS. VERIFY WITH ARCHITECT/INTERIOR DESIGNER BEFORE INSTALLATION.
9. ALL HOLLOW METAL DOORS AND/OR FRAMES TO BE PAINTED WITH TWO (2) COATS OF ZERO VOC LATEX SEMI-GLOSS ENAMEL OVER PROPERLY PRIMED SURFACE. PAINT COLOR TO MATCH WALL COLOR THAT DOOR IS LOCATED ON. UNO.
10. ALL FINISHES TO MEET CLASS C OR BETTER FOR FLAME SPREAD AND SMOKE DEVELOPED PER FBC SEVENTH EDITION (2020) TABLE 803.11 & 803.1.1. SPRINKLERED: CORRIDORS & EXIT ENCLOSURES=CLASS C, EXIT PASSAGEWAYS, EXIT STAIRS= CLASS B, ROOMS AND ENCLOSED SPACES= CLASS C.
11. ELECTRICAL DEVICES & COVERS COLOR TO MATCH EXISTING.
12. USE EPOXY PAINT ON ALL INTERIOR RESTROOM WALLS TO CREATE A WASHABLE SURFACE IF WALL TILE NOT BEING USED.
13. PATCH AND REPAIR ALL GYPSUM BOARD TO REMOVE ALL HOLES AND IMPERFECTIONS. PRIME ALL WALL SURFACES WITH A MINIMUM OF TWO (2) COATS BEFORE WALL PAINT TO ASSURE COMPLETE COVERAGE AND NO PREVIOUS COLOR BLEED THROUGH.
14. PAINT ALL WALL SURFACES, WITH A MINIMUM OF TWO (2) COATS OF QUALITY GRADE PAINT, INCLUDING TOUCH UPS AFTER MOVE IN OR UPON PUNCH-LIST.
15. INTERIOR FINISHES SHALL BE IN ACCORDANCE WITH NFPA101-10.2, & TABLE A.10.2.2 2018 EDITION, & FLORIDA FIRE PREVENTION CODE, 7TH EDITION, BUSINESS: EXITS: A OR B, EXIT ACCESS CORRIDORS = A OR B, OTHER SPACES = A, B OR C.
16. ALL NEW WOOD DOORS TO HAVE ONE (1) COAT OF STAIN, ONE (1) COAT OF SEALER, AND TWO (2) COATS OF POLYURETHANE SATIN FINISH OVER PROPERLY PREPARED SURFACE. STAIN COLOR TO MATCH EXISTING.
17. G.C. TO PROVIDE NEW BLINDS AT EXTERIOR WINDOWS IN OFFICE AREA TO MATCH EXISTING, IF REQUIRED.
18. ALL BULKHEADS ARE TO BE PAINTED SAME COLOR AS WALL IF REQUIRED.
19. ALL FURNITURE AND WORKSTATIONS INSTALLED BY TENANT.
20. ALL QUARTZ, SOLID SURFACE, MARBLE TYPE MATERIALS WITH PATTERNS: AWARDED FABRICATOR TO SUBMIT PATTERN MATCHING DRAWINGS TO ARCHITECT/INTERIOR DESIGNER FOR APPROVAL PRIOR TO CUTTING SLABS.
21. INSTALLER TO SUBMIT RUN SEAMING DIAGRAMS FOR ALL BROADLOOM CARPET TO ARCHITECT/INTERIOR DESIGNER FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION.
22. GC OR INSTALLER MUST STORE FLOORING MATERIAL WITHIN THE SUITE OF INSTALLATION. PER MANUFACTURE SPECIFICATION REQUIREMENTS THE FLOORING MATERIAL MUST BECOME ACCLIMATED TO THE ENVIRONMENT PRIOR TO INSTALLATION. THIS WILL PREVENT SHRINKAGE AND OR EXPANDING OF THE PRODUCT AFTER INSTALLATION.
23. ALL PARTITIONS TO BE FINISHED TO A LEVEL 4 FINISH PER ASTM C 840.
24. DO NOT PAINT OVER ANY CODE REQUIRED LEVELS, SUCH AS UNDERWRITERS LABORATORIES AND FACTORY MUTUAL OR ANY EQUIPMENT ID, PERFORMANCE RATING, NAME OR NOMENCLATURE PLATES.
25. FOR ALL QUARTZ, MARBLE, GRANITE AND/OR SOLID SURFACE MATERIAL - INSTALLER TO USE APPROVED ADHESIVES AND MATCHING FILLERS FOR SEAMS ONLY.

FINISH SPECIFICATIONS

- FLOOR FINISHES**
- MATERIAL: LUXURY VINYL TILE
MFG: TO BE DETERMINED
PATTERN: TO BE DETERMINED
COLOR: TO BE DETERMINED
SIZE: 6" x 8"
INSTALLATION: TO BE DETERMINED
LOCATION: SEE PLANS
- BASE FINISHES**
- MATERIAL: VINYL BASE
MFG: TO BE DETERMINED
STYLE: TO BE DETERMINED
COLOR: TO BE DETERMINED
SIZE: 4"
INSTALLATION: TO BE DETERMINED
LOCATION: SEE PLANS
- WALL FINISHES**
- MATERIAL: PAINT
MFG: TO BE DETERMINED
FINISH: EPOXY
COLOR: TO BE DETERMINED
LOCATION: RESTROOM
- MATERIAL: PAINT
MFG: TO BE DETERMINED
FINISH: EPOXY
COLOR: TO BE DETERMINED
LOCATION: KITCHEN

ALL DOORS TO REMAIN CLEAR PRE-FINISHED.
NOTE:
ADDITIONAL FINISHES WILL BE SELECTED BY TENANT.

ACCESSORY SCHEDULE

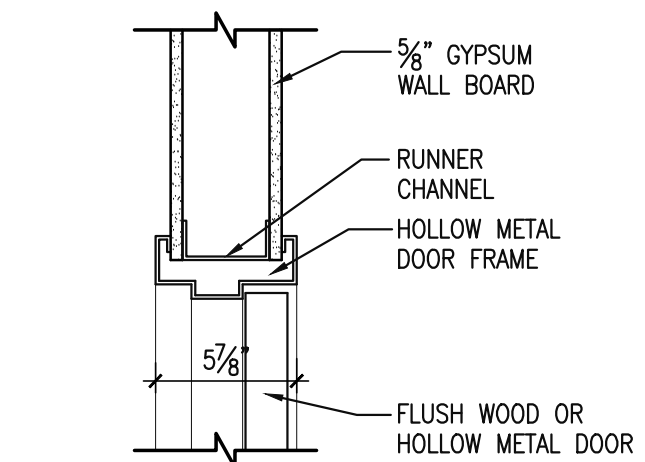
NO.	ITEM	MANUF.	CATALOG #	MOUNTING HT.
11	GRAB BAR - 36" STAINLESS STEEL	BOBRICK	B-6806	34" A.F.F.
12	GRAB BAR - 42" STAINLESS STEEL	BOBRICK	B-6806	34" A.F.F.
13	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER	BOBRICK	B-2888	TOP AT 28" A.F.F.
14	MIRROR WITH STAINLESS FRAME	CUSTOM	-	BOT. @ 6" ABOVE SINK
15	SURFACE MOUNTED SOAP DISPENSER	BOBRICK	B-2111	TOP @ 50-7/8"
16	SURFACE MOUNTED SANITARY WIPER DISPOSAL	BOBRICK	B-270	TOP AT 28" A.F.F.
17	SURFACE MOUNTED PAPER TOWEL & WASTE RECEPTACLE	BOBRICK	B-3699	TOP AT 51/2" A.F.F.

NOTE: MOUNTING HEIGHTS NOTED ARE TO BE USED ONLY WHEN MANUFACTURERS STANDARD MOUNTING HEIGHTS ARE NOT PROVIDED. ALL ACCESSORIES IN ACCESSIBLE STALL TO COMPLY WITH MANUFACTURERS RECOMMENDED BARRIER FREE MOUNTING HEIGHTS.

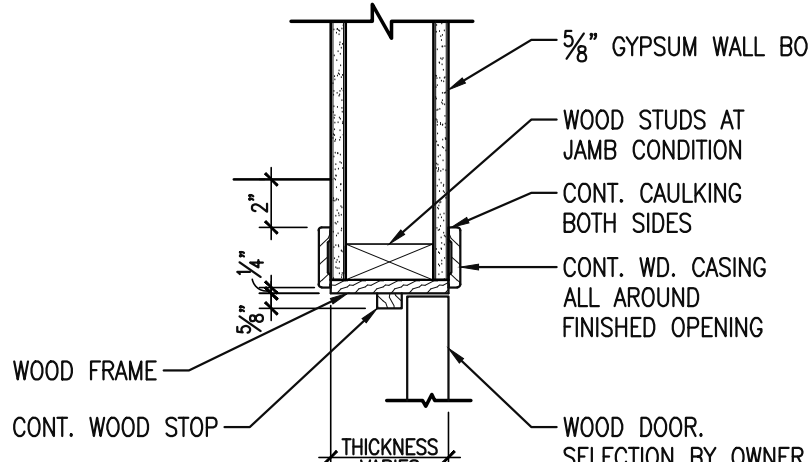
DOOR AND FRAME SCHEDULE																														
DOOR OPENING	ROOM NUMBER AND NAME	DOOR						FRAME					LABEL	HARDWARE					SECURITY				REMARKS							
		SIZE			MATERIAL	FINISH	ELEVATION	GLASS	MATERIAL	FINISH	ELEVATION			GLASS	DETAILS			HINGES/PIVOTS	PUSH/PULL	EXIT DEVICE	LOCK SET	STOP	CLOSER	MISC.	WEATHER ST.	ELEC. STRIKE	MAG. LOCK	CARD READER	ABBREVIATIONS	
		WIDTH	HEIGHT	THICKNESS											HEAD	JAMB	SILL													
101	101-LOUNGE AREA	*	*	*																									EXISTING TO REMAIN.	
106	106-OFFICE	3'-0"	7'-0"	1 3/4"	WD	PT	D1	-	HM	PT	F1	-	H1	J1	-	B-1	-	-	L-2	S-1	-	-	-	-	-	-	-	-		
107	107-MEN	3'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F1	-	H1	J1	-	B-1	-	-	L-4	S-1	D-1	-	-	-	-	-	-	-		
108	108-WOMEN	3'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F1	-	H1	J1	-	B-1	-	-	L-4	S-1	D-1	-	-	-	-	-	-	-		
109A	109-CORRIDOR	3'-0"	7'-0"	1 3/4"	WD	PT	D1	-	HM	PT	F1	-	H1	J1	-	B-1	-	-	L-1	S-1	D-1	-	-	-	-	-	-	-		
109B	109-CORRIDOR	3'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F1	-	H1	J1	-	B-1	-	-	L-6	S-1	D-1	-	-	-	-	-	-	-		
110	110-HVAC/ELECT.	3'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F1	-	H1	J1	-	B-1	-	-	L-3	S-1	D-1	-	-	-	-	-	-	-		
111	111-KITCHEN	3'-0"	7'-0"	1 3/4"	WD	PT	D1	-	HM	PT	F1	-	H1	J1	-	B-1	-	-	L-6	S-1	D-1	-	-	-	-	-	-	-		
113	113-DUMPING PREP	3'-0"	7'-0"	1 3/4"	WD	PT	D1	-	HM	PT	F1	-	H1	J1	-	B-1	-	-	L-6	S-1	D-1	-	-	-	-	-	-	-		

ST = STAINED
HM = HOLLOW METAL
WD = WOOD
W = WIRE GLASS
INS = INSULATED GLASS
T = TEMPERED GLASS
F = FIRE RATE TEMPERED GLASS

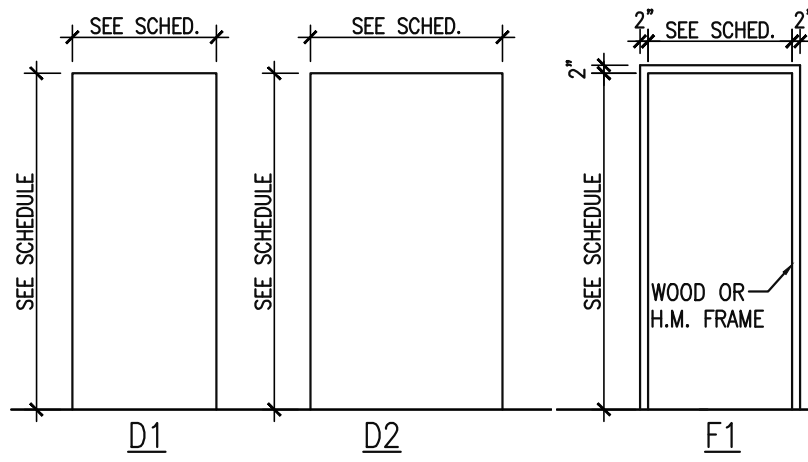
BA = BRONZE ANODIZED
CLA = CLEAR ANODIZED
PT = PAINT
20 PT = PRE-FINISHED
C = CLEAR
P = PAIR



HEAD DETAIL H1
1-1/2" = 1'



HEAD DETAIL H2
1-1/2" = 1'

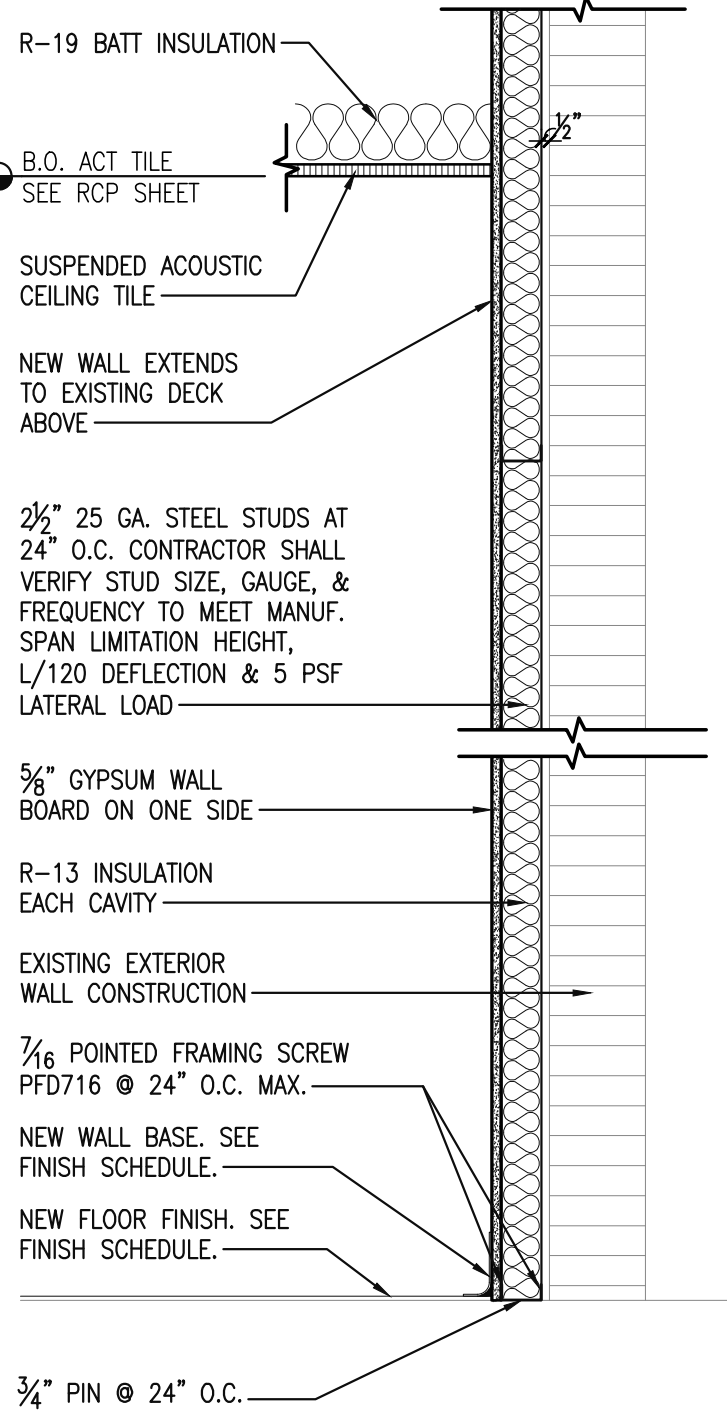


DOOR & FRAME ELEVATIONS

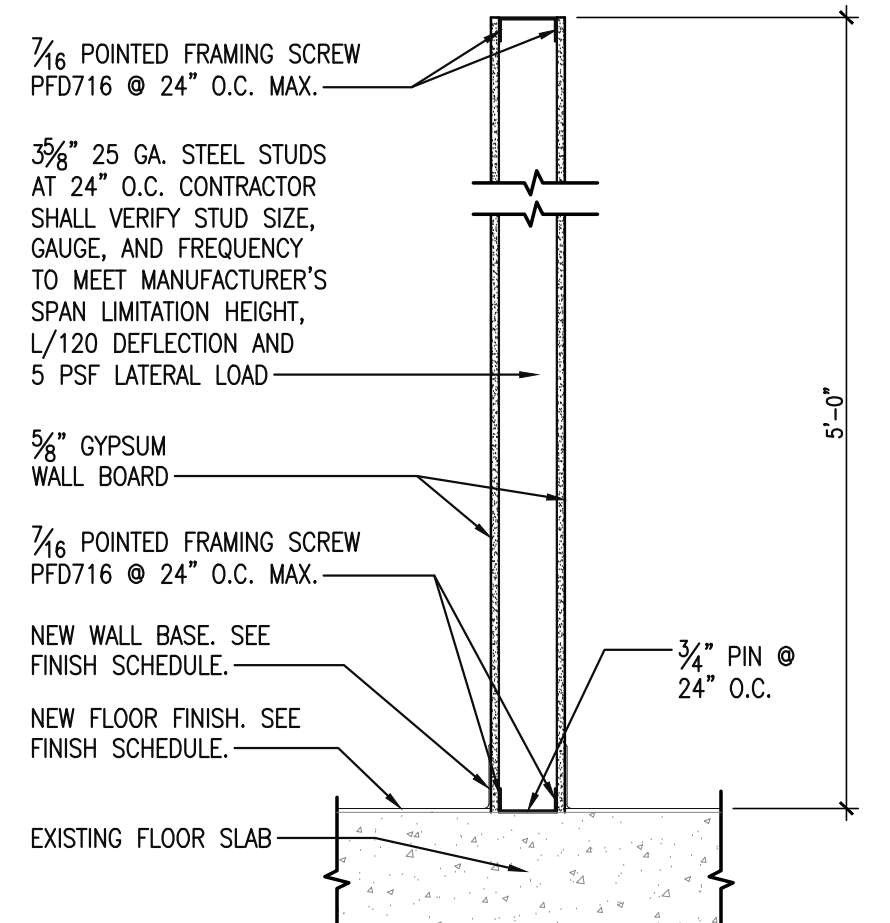
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2 WALL SECTION
1/4500 SCALE: 1"=1'-0"

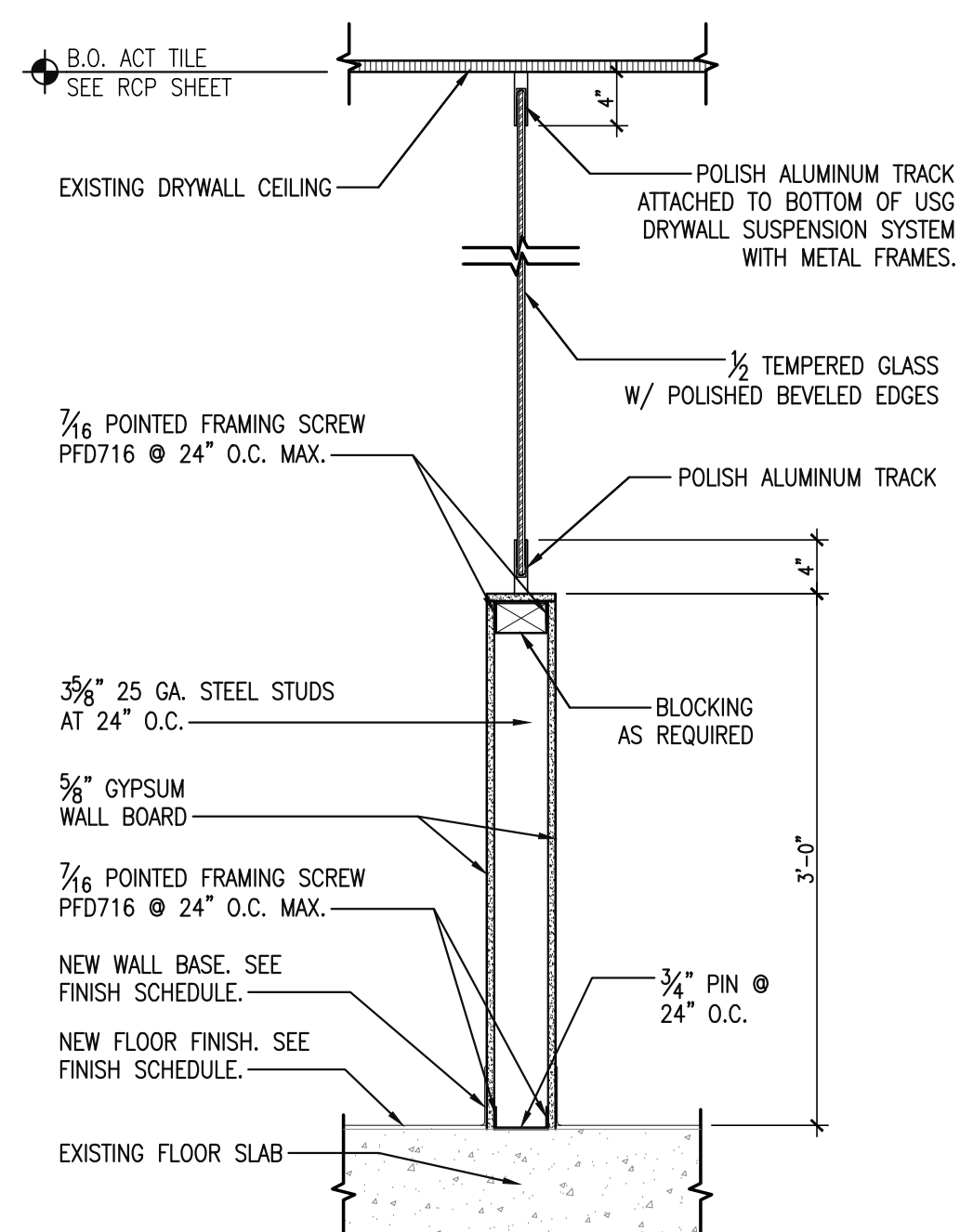
1 WALL SECTION
1/4500 SCALE: 1"=1'-0"



3 WALL SECTION
1/4500 SCALE: 1"=1'-0"



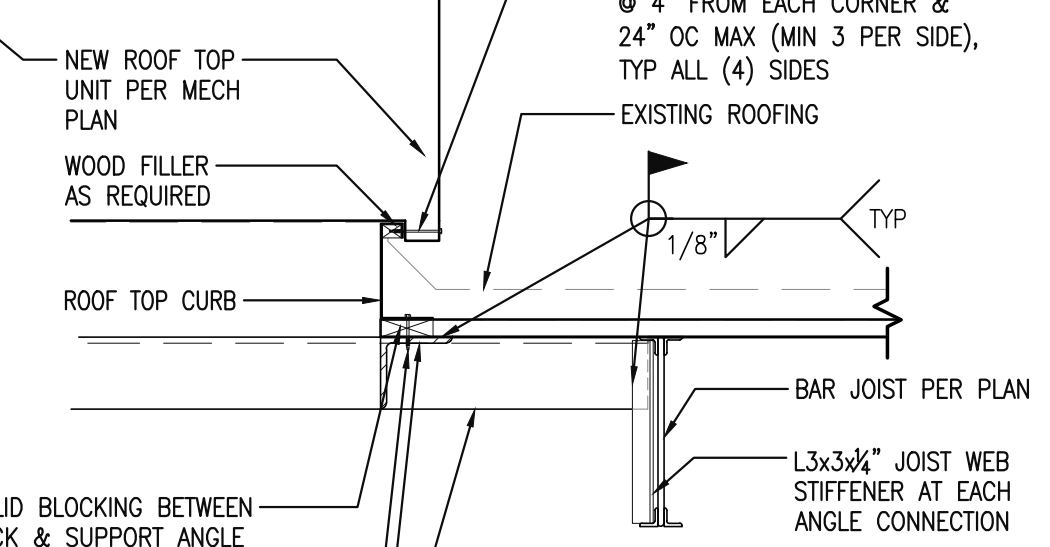
4 WALL SECTION
1/4500 SCALE: 1"=1'-0"



5 WALL SECTION
1/4500 SCALE: 1"=1'-0"

GENERAL NOTES:

1. MEAN ROOF HEIGHT OF 30'-0"
2. WIND SPEED OF 139 MPH (Vult)
3. EXPOSURE CATEGORY 'B'
4. BUILDING RISK CATEGORY II
5. DESIGN WIND PRESSURE OF +/- 64.0 PSF



5 RTU SUPPORT DETAIL
1/4500 SCALE: 1"=1'-0"

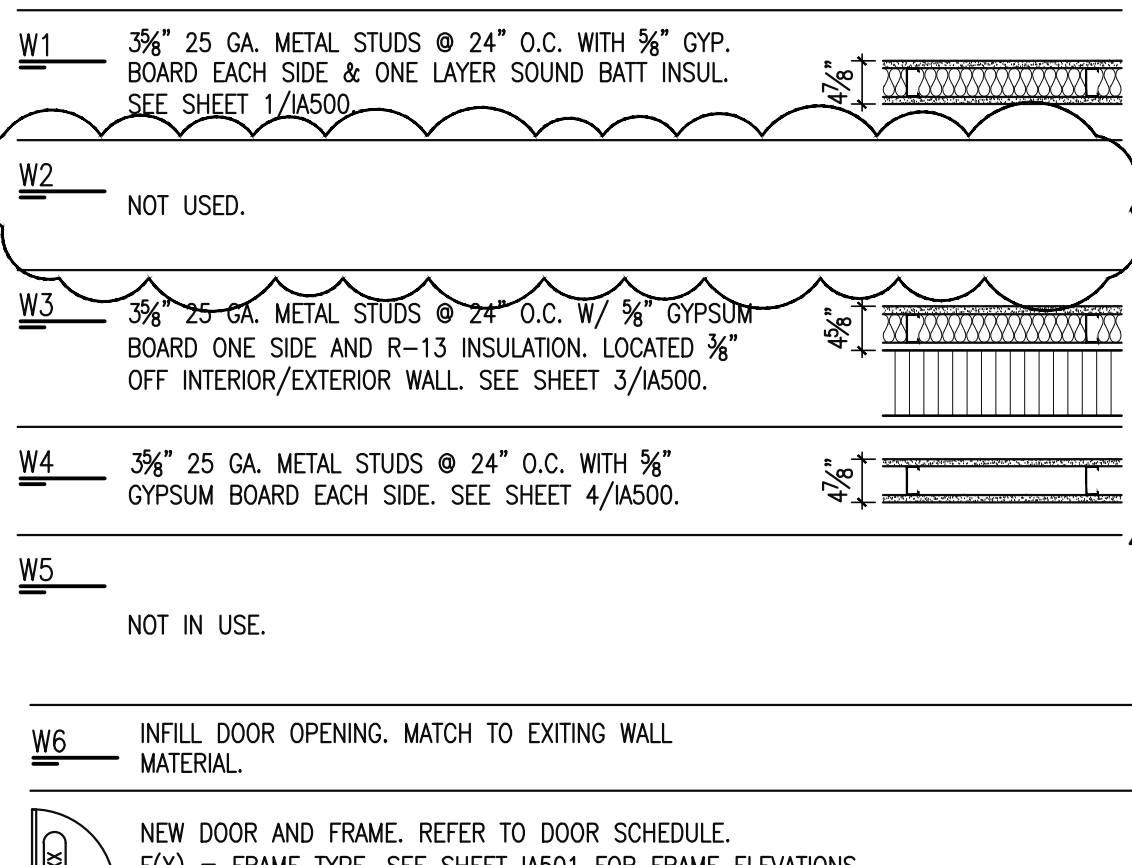
GENERAL NOTES:

- ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD UNLESS NOTED OR SHOWN OTHERWISE. ANY DIMENSIONS NOT SHOWN OR DEEMED QUESTIONABLE ARE TO BE VERIFIED BY ARCHITECT. DO NOT SCALE DRAWINGS.
- PROVIDE WOOD BLOCKING SUPPORTS AS REQUIRED FOR ALL SURFACE MOUNTED ITEMS.
- COORDINATE WORK OF THIS TRADE WITH OTHER TRADES.
- NEW DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS. WHERE MORE THAN ONE DOOR OCCURS IN A ROOM, 'A' SUFFIX HAS BEEN ADDED (I.E. 100A).
- PROVIDE MISCELLANEOUS METAL SUPPORT FOR ALL CEILING SUSPENDED ITEMS.
- APPLY SEALANT AT ALL JUNCTURES BETWEEN DIFFERENT MATERIALS (I.E. STOREFRONT AND GYPSUM BOARD).
- APPLY SEALANT AT ALL PLUMBING FIXTURES AT JUNCTURE WITH WALL.
- APPLY SEALANT AT ALL COUNTERTOPS AND BACK SPLASHES AT JUNCTURE WITH WALL.
- ALL STEEL STUDS ARE TO BE BRACED ACCORDING TO MANUFACTURER'S LIMITING HEIGHT L/120.
- ALL INTERIOR WALLS SHALL BE MARKED IN PLACE PRIOR TO FRAMING FOR ARCHITECT TO REVIEW.
- ALL DOORS MUST BE INSTALLED WITH AT LEAST THE MINIMUM MANEUVERING CLEARANCE AT THE DOOR APPROACH PER THE MOST CURRENT AMERICANS WITH DISABILITIES ACT AND FLORIDA BUILDING CODE.
- FLOOR SHALL BE CLEANED, SMOOTH AND LEVEL FOR INSTALLATION OF NEW FLOOR FINISHES AS SHOWN.
- ALL FURNITURE & WORK STATIONS PROVIDED & INSTALLED BY TENANT.
- PROVIDE GYPSUM BOARD, FURRING, AND INSULATION ON EXTERIOR WALL IN ALL CONDITIONED SPACE AS NECESSARY.
- FIRE EXTINGUISHERS SHOWN IN ASSUMED LOCATIONS. CONTRACTOR TO COORDINATE NUMBER, TYPE & LOCATION REQUIRED PER CODE AND CONFIRM WITH LOCAL FIRE MARSHALL.
- PROVIDE SEALED PENETRATIONS INTO BUILDING FOR CABLE, TV & TELEPHONE. COORDINATE WITH OWNER.
- SAVE ALL REMOVED ITEMS FOR OWNER, PER OWNER'S DIRECTION, UNLESS OTHERWISE SPECIFIED.
- ALL WALLS SCHEDULED TO REMAIN (I.E. CORE WALLS, AND DEMISING WALLS) SHALL BE PATCHED, REPAIRED AND SANDED SMOOTH IN PREPARATION FOR NEW FINISHES.
- NEW MECHANICAL RTU LOCATED ON THE ROOF WILL NOT BE VISIBLE FROM THE STREET. IN CASE IT BECOMES VISIBLE, MANUF. SCREENING WILL BE INSTALLED, PER MANUF. STANDARDS.
- ALL EXISTING FIRE WALLS THAT HAVE BEEN PARTIALLY REMOVED ABOVE THE CEILING MUST BE DEMOLISHED COMPLETELY. REMOVE ALL FIRE SMOKE BARRIER SIGNS.

WALL TYPES:

- NOTES:
- EXISTING CONSTRUCTION TO REMAIN
 - NEW WALL PARTITION

1. ALL WALLS GO TO UNDERSIDE OF CEILING, UNLESS OTHERWISE NOTED.
2. PROVIDE MOISTURE RESISTANT GYPSUM WALL BOARD IN ALL WET AREAS.
3. CONSTRUCT ALL STUD WALL FRAMING TO MEET MANUFACTURER'S MINIMUM REQUIREMENTS FOR FLOOR AND CEILING ATTACHMENT BASED ON 5 PSF LATERAL LOADING AND L/120 DEFLECTION, UNLESS OTHERWISE APPROVED, IN NO CASE SHALL THE ATTACHMENT BE LESS THAN THE FOLLOWING:
 - A. ALL STEEL STUD RUNNER CHANNELS ATTACHED TO CONCRETE FLOOR SHALL BE FASTENED WITH CONCRETE STUD WALLS, EXPANSION ANCHORS, SHIELDED SCREWS, OR POWER-DRIVEN FASTENERS NOT EXCEEDING 24" O.C. AND NO MORE THAN 2" FROM EACH END.
 - B. FASTEN STUD FLANGE TO RUNNER TRACK WITH ONE 3/8" TYPE S PAN HEAD SCREWS ON BOTH SIDES OF STUD FLANGE.
 - C. ALL STEEL STUD RUNNER CHANNELS ATTACHED TO SUSPENDED CEILING SHALL BE FASTENED WITH "MOLLY"-TYPE EXPANDABLE FASTENERS, TOGGLE BOLTS, CLAMPS, OR SCREWS INTO CHANNELS, SPLINES, "T" RUNNERS, OR OTHER CHANNELS AT A MAXIMUM SPACING OF 48" OR LESS TO MATCH CEILING GRID.
 - D. ALL GYPSUM BOARD AND ACCESSORIES SHALL BE U.S. GYPSUM BRAND ONLY.
 - E. PROVIDE LEVEL 4 FINISH PER ASTM C840 IN OFFICE.
 - F. PROVIDE LEVEL 3 IN WAREHOUSE AREA.



6 WALL SECTION
1/4500 SCALE: 1"=1'-0"

HARDWARE SCHEDULE

HINGES/PIVOTS					
DES.	QTY.	TYPE	MODEL #	FINISH	BRAND
B-1	3/LEAF	HINGES	FBB179	US260	STANLEY
LATCH-FUNCTION					
DES.	QTY.	TYPE	MODEL #	FINISH	BRAND
L-1	1	PASSAGE-NON LOCKING	AL SERIES	US260	SCHLAGE
L-2	1	OFFICE	AL SERIES	US260	SCHLAGE
L-3	1	STORAGE	AL SERIES	US260	SCHLAGE
L-4	1	PRIVACY	AL SERIES	US260	SCHLAGE
L-5	1	CLASSROOM	AL SERIES	626	SCHLAGE
L-6	1	RIM CYLINDER W/ THUMBTURN	ADA	626	MBS
STOP					
DES.	QTY.	TYPE	MODEL #	FINISH	BRAND
S-1	1/LEAF	FLOOR STOP	3310	US260	DCI
CLOSER					
DES.	QTY.	TYPE	MODEL #	FINISH	BRAND
D-1	1/LEAF	SURFACE MTD. CLOSER	5200	ALM	HAGER
MISCELLANEOUS					
DES.	QTY.	TYPE	MODEL #	FINISH	BRAND
M-1	1/LEAF	KICK PLATE	8"x34"	US32D	HIWATHA
WEATHER STRIP					
DES.	QTY.	TYPE	MODEL #	FINISH	BRAND
W-1	1	WEATHER STRIPPING AND THRESHOLD	MFG. STD.	MFG. STD.	MFG. STD.
PUSH/PULL					
DES.	QTY.	TYPE	MODEL #	FINISH	BRAND
P-1	1	PUSH PLATE	30S	260	HAGER
	1	PULL HANDLE	30E	260	HAGER

DOOR SCHEDULE NOTES:

1. PROVIDE NEW MEDIUM GRADE ADA LEVER HARDWARE - BRUSHED CHROME FINISH.
2. COORDINATE KEYING LOCK SETS WITH TENANT.
3. ALL EXT. DOOR HARDWARE TO MEET THE REQUIREMENTS OF LIFE SAFETY CODE 101, SECTION 7.2.1.6.2.
4. INTERIOR WOOD DOORS TO BE BUILDING STANDARD, MATCH EXISTING STAIN/FINISH.
5. VERIFY SECURITY HARDWARE WITH TENANT.
6. ALL HARDWARE MAY BE SUBSTITUTED FOR EQUAL WITH ARCHITECT'S APPROVAL.
7. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED WITH SEMI-GLOSS ENAMEL TO MATCH ADJACENT WALL COLOR.
8. PROVIDE SILENCERS (3) PER SINGLE DOOR BY IVES AT ALL DOORS. MANUFACTURER MAY BE SUBSTITUTED AT OWNERS REQUEST.
9. SEE MECHANICAL DRAWINGS FOR LOCATIONS OF DOORS THAT ARE UNDERCUT.
10. VERIFY WALL THICKNESS BEFORE ORDERING H.M. FRAMES.

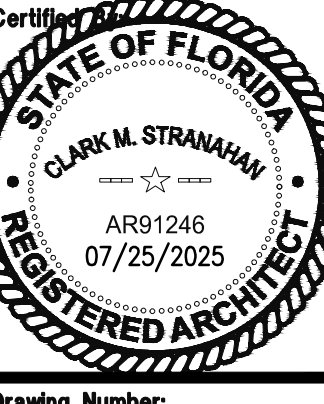


Scale: AS NOTED
Date: 01/27/2023
Drawn By: RS
Checked By: CMS

JIANG'S KITCHEN

RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801

WALL SECTION AND DETAILS



Drawing Number:
IA500
Of Sheets
Issued:
A/E Job Number:
22500

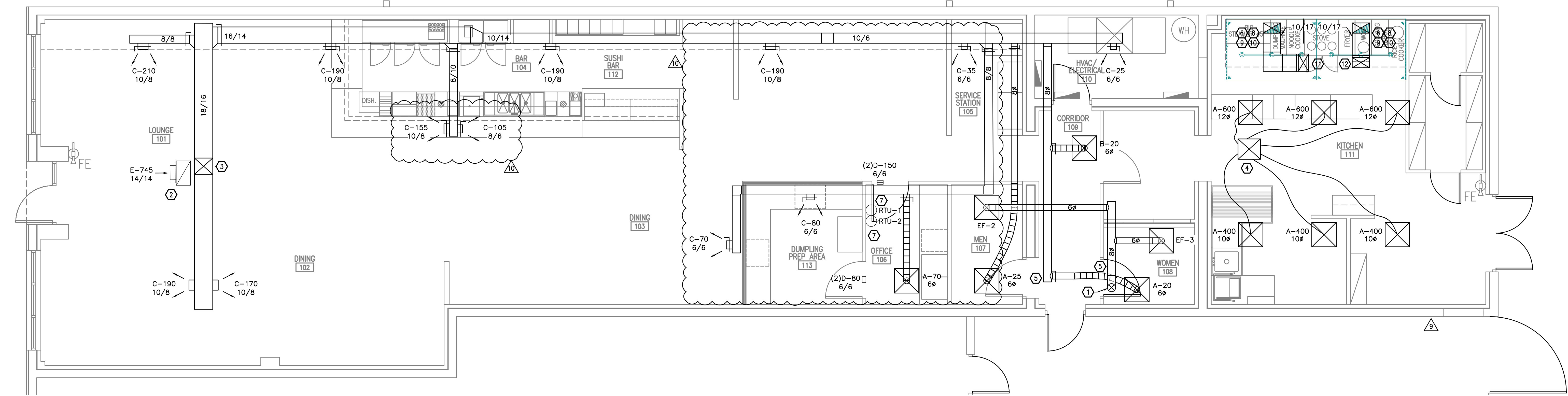
PLAN KEY NOTES: ⑦

1. FIELD VERIFY EXISTING GRAVITY RELIEF VENTILATOR IS ON ROOF. IF NOT, PROVIDE NEW 8" RISER UP TO GRAVITY VENTILATOR ON ROOF. PROVIDE WITH ROOF CAP AND BACKDRAFT DAMPER.
2. 24X14 RETURN DUCT RISER UP TO RTU-1. TRANSITION AT UNIT AS NEEDED.
3. 18X16 SUPPLY DUCT RISER UP TO RTU-1. TRANSITION AT UNIT AS NEEDED.
4. 22X20 SUPPLY DUCT RISER UP TO RTU-2. TRANSITION AT UNIT AS NEEDED.
5. UNDERCUT DOOR 1" AFF.
6. 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 "Y" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "EDW" DOES NOT REQUIRE WELDING. PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURERS INSTALLATION GUIDE. PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURERS 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. CONSTRUCTION AND INSTALLATION OF EXHAUST DUCT SHALL ADHERE STRICTLY TO NFPA 96 AND THE 2020 FLORIDA MECHANICAL CODE. PROVIDE ACCESS PANELS AS REQUIRED BY CODE.
7. PROVIDE THERMOSTAT MOUNTED AT 48" A.F.F. COORDINATE LOCATION WITH OWNER.
8. MAINTAIN 18" CLEARANCE TO COMBUSTIBLE CONSTRUCTION PER 2020 FLORIDA MECHANICAL CODE - TABLE 511.2.
9. HOOD SHALL COMPLY WITH 2020 FLORIDA MECHANICAL CODE CHAPTERS 506 AND 507.
10. A CLEAN-OUT MUST BE PROVIDED AT EACH CHANGE OF DIRECTION EXCEPT WHERE THE ENTIRE LENGTH OF DUCT CAN BE INSPECTED AND CLEANED FROM EITHER THE HOOD OR THE DISCHARGE END. OPENINGS MUST BE AT THE SIDE OR THE TOP, WHICHEVER IS MORE ACCESSIBLE. ON VERTICAL DUCT RUNS WHERE PERSONNEL ENTRY IS POSSIBLE, ACCESS MUST BE FROM THE TOP OF THE RISER. WHERE ENTRY IS POSSIBLE, ACCESS MUST BE PROVIDED AT EACH FLOOR.
11. NEW 10X17 EXHAUST RISER UP TO KEF-1.
12. NEW 10X17 EXHAUST RISER UP TO KEF-2.

KITCHEN EXHAUST CAPTURE & CONTAINMENT

PER 2020 FLORIDA MECHANICAL CODE, SECTION 507.6.1, THE PERMIT HOLDER MUST VERIFY CAPTURE AND CONTAINMENT PERFORMANCE OF THE KITCHEN EXHAUST SYSTEM. REQUIREMENTS FOR CONDUCTING FIELD TEST ARE AS FOLLOWS:

1. ALL APPLIANCES BELOW HOOD SHALL BE AT OPERATING TEMPERATURE.
2. ALL SOURCES OF OUTDOOR AIR PROVIDING MAKEUP AIR FOR THE HOOD SHALL BE OPERATING.
3. ALL SOURCES OF REDIRCULATED AIR PROVIDING CONDITIONING FOR THE SPACE IN WHICH THE HOOD IS LOCATED SHALL BE OPERATING.
4. CAPTURE AND CONTAINMENT SHALL BE VERIFIED VISUALLY BY OBSERVING SMOKE OR STEAM PRODUCTION PRODUCED BY ACTUAL OR SIMULATED COOKING, SUCH AS WITH SMOKE CANDLES, SMOKE PUFFERS, AND SIMILAR MEANS.



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

JIANG'S KITCHEN
RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801
MECHANICAL FLOOR PLAN

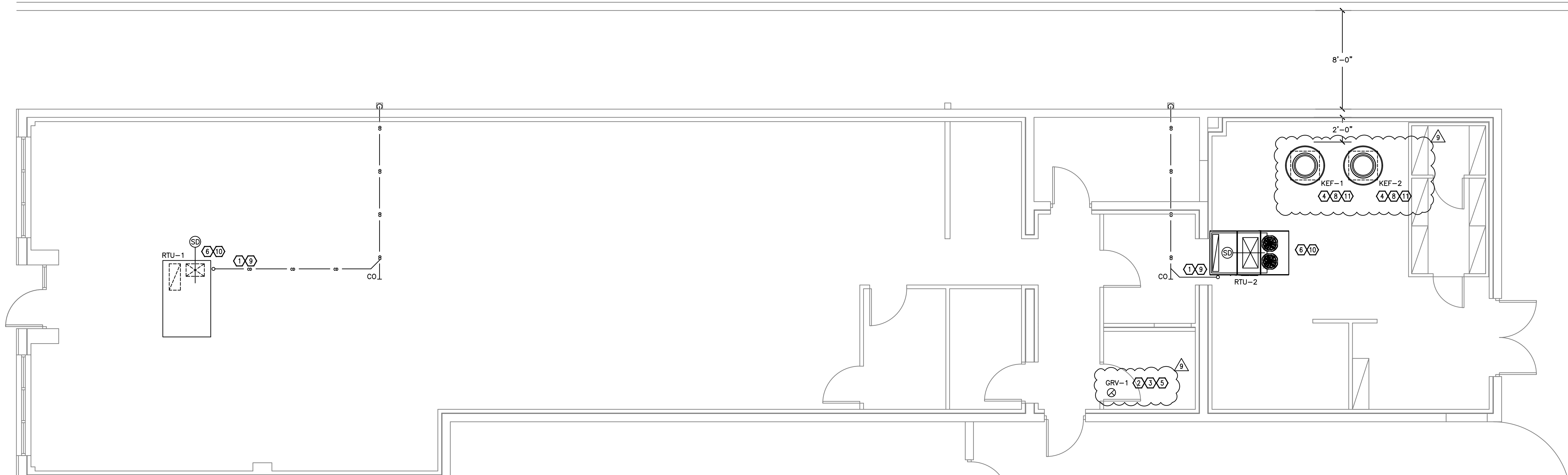


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PLAN KEY NOTES:

- CONDENSATE PIPE ON ROOF TO BE PVC WITH SOLVENT WELDED FITTINGS, INSTALLED AS DETAILED, AND ROUTED FULL SIZE TO DOWNSPOUT AS SHOWN ON PLAN. PIPING SHALL BE SLOPED AT 1/8" PER FOOT. DOWNSPOUTS DRAIN TO PATCH OF GRASS ON THE WEST SIDE OF THE BUILDING.
- COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE FULL CRICKET ON HIGH SIDE OF EQUIPMENT.
- COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE ADDITIONAL LAYER OF TPO, 24" WIDE, AROUND ALL SIDES OF EQUIPMENT.
- NEW 10X17 RISER UP TO EXHAUST FAN ON ROOF. PROVIDE WITH ROOF CAP AND BACKDRAFT DAMPER.
- NEW 8" RISER UP TO GRAVITY VENTILATOR ON ROOF. PROVIDE WITH ROOF CAP AND BACKDRAFT DAMPER.
- COORDINATE EXACT LOCATION OF UNITS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS. REFER TO MECHANICAL DETAILS AND CAPTIVEARE DRAWINGS FOR RTU INSTALLATION.
- PROVIDE SMOKE DUCT DETECTOR IN SUPPLY AIR DUCT.
- MAINTAIN AT LEAST 10'-0" CLEARANCE BETWEEN EXHAUST/VENT DISCHARGE AND ANY OUTSIDE AIR OPENINGS.
- REFER TO CONDENSATE DRAIN TRAP DETAIL.
- SUPPLY AND RETURN DROPS INTO SPACE SHALL BE SIZED THE FULL CONNECTION SIZE OF THE UNIT. PROVIDE FLEXIBLE CONNECTIONS BETWEEN UNITS AND ALL DUCTWORK.
- KITCHEN EXHAUST FAN INSTALLED A MINIMUM OF 2'-0" FROM PARAPET WALL. PARAPET WALL SHALL NOT EXTEND HIGHER THAN THE TOP OF THE FAN DISCHARGE OPENING.
- FIELD VERIFY EXISTING GRAVITY RELIEF VENTILATOR IS ON ROOF. IF NOT, PROVIDE NEW GRAVITY RELIEF VENTILATOR PER GRAVITY RELIEF VENTILATOR SCHEDULE ON SHEET M700.



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

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WHITE RABBIT RESTAURANT

RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801

MECHANICAL ROOF PLAN



Drawing Number:

M302
Of Sheets

Issuance:

A/E Job Number:

22500

ASHRAE 62.1 - Ventilation Sizing																
Project: JIANG'S KITCHEN	Space Design Airflow	Zone Design Airflow	Space Minimum Supply Air	(Vps) Zone Minimum Supply Air	(Aa) Floor Area	(Ra) Area OA Rate	(Pa) Time Averaged Occupancy	Occupant with Diversity	(Rb) People OA Rate	(Eb) Air Distribution Effectiveness	Space Required OA	(Vps) Zone Required OA	Space Uncorrected OA	(Vps) Zone Uncorrected OA	(Zp) Zone Outdoor Air Fraction	(Eb) Zone Ventilation Efficiency
C4 Project #: 22500																
System: RTU12																
Zone Name / Space Name	(CFM)	(CFM)	(CFM)	(CFM)	(SF)	(CFM/SF)	(People)	(People)	(CFM/Person)		(CFM)	(CFM)	(CFM)	(CFM)		
Bar/Waiting/Office		1770			540							520		513	0.96	0.99
101 LOUNGE	220	87			159	0.06	9	9	5	1	57		57			
102 DINING	615	188			638	0.06	32	32	5	1	198		198			
103 DINING	300	92			661	0.06	30	10	5	1	90		90			
104 BAR	425	130			300	0.06	22	22	5	1	128		128			
105 SERVICE STATION	25	8			82	0.06	0	0	5	1	5		5			
106 OFFICE	75	23			98	0.06	1	1	5	1	11		11			
107 MEN	25	8			42	0.06	0	0	5	1	3		3			
108 WOMEN	25	8			39	0.06	0	0	5	1	2		2			
109 CORRIDOR	20	6			79	0.06	0	0	5	1	5		5			
110 HVAC/ELECTRICAL	25	8			92	0.06	0	0	5	1	6		6			
113 DUMPING PRSP AREA	15	5			92	0.06	1	1	5	1	11		11			
	1770	1770	540	540	2,292		75	75			512.52		513		0.96	0.99
Summary																
Ventilation Sizing Method ASHRAE Std 62.1-2019											0.77 CFMSQFT		540 (Vps) System Primary Airflow			
Design Condition Minimum flow (heating)											0.95 (As) Average Outdoor Air Fraction					
(D) Occupant Diversity 1.00																
(Vps) Uncorrected Outdoor Air 513 CFM															68.5% CFM Reduction During Heating	
(Ev) System Ventilation Efficiency 0.99															96.2% OA During Heating	
(Vps) Design Ventilation Airflow Rate 520 CFM															28.4% OA During Normal	

ASHRAE 62.1 - Ventilation Sizing																
Project: JIANG'S KITCHEN	Space Design Airflow	Zone Design Airflow	Space Minimum Supply Air	(Vps) Zone Minimum Supply Air	(Aa) Floor Area	(Ra) Area OA Rate	(Pa) Time Averaged Occupancy	Occupant with Diversity	(Rb) People OA Rate	(Eb) Air Distribution Effectiveness	Space Required OA	(Vps) Zone Required OA	Space Uncorrected OA	(Vps) Zone Uncorrected OA	(Zp) Zone Outdoor Air Fraction	(Eb) Zone Ventilation Efficiency
C4 Project #: 22500																
System: RTU12																
Zone Name / Space Name	(CFM)	(CFM)	(CFM)	(CFM)	(SF)	(CFM/SF)	(People)	(People)	(CFM/Person)		(CFM)	(CFM)	(CFM)	(CFM)		
Kitchen		3000			900							110		109	0.12	1.00
112 Kitchen	3000	3000	900	900	532	0.12	6	6	7.5	1	109		109		0.12	1.00
	3000	3000	900	900	532		6	6			108.84		109			
Summary																
Ventilation Sizing Method ASHRAE Std 62.1-2019											5.64 CFMSQFT		900 (Vps) System Primary Airflow			
Design Condition Minimum flow (heating)											0.12 (As) Average Outdoor Air Fraction					
(D) Occupant Diversity 1.00																
(Vps) Uncorrected Outdoor Air 109 CFM															70.0% CFM Reduction During Heating	
(Ev) System Ventilation Efficiency 1.00															12.1% OA During Heating	
(Vps) Design Ventilation Airflow Rate 109 CFM															3.8% OA During Normal	

PACKAGE ROOF TOP UNIT SCHEDULE

MARK	RTU-1	RTU-2 (DOAS)
MANUFACTURER	CAPTIVEAIRE	CAPTIVEAIRE
MODEL #	CASRTU2-E-304-15-10T	CASRTU3-E-454-18-20T
TOTAL COOLING CAP-- MBH	114.4	67.4
SENSIBLE COOLING CAP-- MBH	264.0	130.4
TONS	5	7.5
IEER	18.6	18.2
AREA SERVE	BAR/DINING/OFFICE	KITCHEN
SUPPLY CFM	1745	3000
OUTSIDE AIR CFM	1000	3000
FAN BHP	--	--
ESP -- IN.WG	0.50	0.50
EAT (DB/WB) °F	85.3/63.9	--/--
LAT (DB/WB) °F	49.0.3/49.0	51.8/49.0
COIL FACE AREA (SQ.FT.)	--	--
ROWS -- FINS/INCH	--	--
HEATER	TYPE	ELECTRIC
	STAGES	1
	CAPACITY (KW)	45.0
	DISCHARGE TEMPERATURE °F	--
FILTER TYPE	THROW AWAY	THROW AWAY
FILTER QTY. AND SIZE.	--	--
REFRIGERANT	R410A	R410A
COMPRESSOR QTY. -- TYPE	--	--
COMPRESSOR RLA/LRA	--	--
CONDENSER FAN QTY. -- HP	1	1
CONDENSER FAN FLA	0.8	0.8
VOLT/PHASE/Hz	230--3-60	230--3-60
MCA/MOCP	79.0/80.0	120.2/125.0
WEIGHT (LBS)	1889	2486
NOTES:	1,2,3,4,5,6,7,8,9,10	1,2,3,4,5,6,7,8,9,10
NOTES: 1. NEW EQUIPMENT LISTED IS TO SERVE AS THE BASIS OF DESIGN. CONTRACTOR MAY SUBMIT OTHERS FOR REVIEW. 2. MOUNT UNIT ON 14" TALL PREFABRICATED ROOF CURB TO MEET 150 MPH WIND SPEEDS. 3. PROVIDE 7 DAY PROGRAMMABLE T-STAT. 4. PROVIDE 5 MINUTE TIME DELAY TO PREVENT COMPRESSOR SHORT CYCLING. 5. PROVIDE WITH A MOTORIZED OUTSIDE AIR DAMPER AND BAROMETRIC RELIEF. 6. PROVIDE WITH SINGLE POINT POWER CONNECTION. 7. PROVIDE WITH DISCONNECT (DISCONNECT AND CONVENIENCE OUTLET TO BE INSTALLED BY ELECTRICAL). 8. COORDINATE WITH ARCHITECT AND PROVIDE SCREENING IF UNITS ARE VISIBLE FROM THE GROUND AS VIEWED FROM ANY PUBLIC OR PRIVATE RIGHT OF WAY OR FROM THE ABUTTING PROPERTY. 9. PROVIDE WITH HINGED ACCESS PANELS AND HALL GUARDS. 10. PROVIDE WITH VARIABLE SPEED ECM FAN MOTOR.		

GRILLE AND DIFFUSER SCHEDULE

MARK	MANUFACTURER/MODEL	MOUNTING	COLOR	MATERIAL	REMARKS
A	TITUS/OMNI-AA	CEILING SUPPLY	WHITE	ALUMINUM	1
B	TITUS/OMNI-AA	CEILING SUPPLY	WHITE	ALUMINUM	2
C	TITUS/250AA	SIDEWALL SUPPLY	WHITE	ALUMINUM	3
D	TITUS/3FS	TRANSFER AIR GRILLE	WHITE	ALUMINUM	4
E	TITUS/350RS	SIDEWALL RETURN	WHITE	ALUMINUM	5
NOTES: 1. SEE HVAC PLANS FOR NECK SIZES AND AIRFLOWS. 2. 4-WAY UNLESS NOTED OTHERWISE ON PLAN BY ARCHITECT. 3. MAXIMUM PRESSURE DROP OF .04 IN WC. 4. TRANSITION ROUND FLEXIBLE OR RECTANGULAR RIGID DUCTWORK TO DIFFUSERS AS REQUIRED.			REMARKS: 1. 24x24 LAY-IN. 2. 24x24 SURFACE MOUNT. 3. SIDEWALL SEE PLAN FOR SIZE. 4. SEE PLAN FOR SIZE. 5. SIDEWALL SEE PLAN FOR SIZE.		

GRAVITY VENTILATOR

ID	MANUFACTURER/ MODEL NUMBER	THROAT SIZE	THROAT AREA SQ.FT.	CFM	HOOD SIZE	SERVICE	REMARKS
GRV-1	GREENHECK/GRSR-8	--	0.37	140	--	RELIEF	1
NOTES: 1. PROVIDE MANUFACTURER ROOF CURB FOR ROOF PITCH. 2. PROVIDE GRAVITY RELIEF DAMPER. 3. PROVIDE WITH INSECT SCREEN.			REMARKS: 1. 7 LBS				

FAN SCHEDULE

MARK	SPACE SERVED	CFM	E.S.P. IN INCHES H ₂ O	FAN RPM	MOTOR DATA			TYPE OF FAN	MAKE	MODEL	DRIVE	REMARKS
					HP/WATTS	RPM	VOLTS/PH					
KEF-1	KITCHEN 112	3646	1.2	1355	3 HP	--	230/3	ROOF EXHAUST	CAPTIVEAIRE	DU180HFA	DIRECT	4
EF-2	MEN 107	70	0.4	600	30 W	650	115/1	CEILING EXHAUST	GREENHECK	SP-B110ES	DIRECT	1,2,3
EF-3	WOMEN 108	70	0.4	600	30 W	650	115/1	CEILING EXHAUST	GREENHECK	SP-B110ES	DIRECT	1,2,3
REMARKS: 1. INTERLOCK WITH OCCUPANCY SENSOR. ALLOW FAN TO RUN 15 MINUTES AFTER OCCUPANT LEAVES THE SPACE. 2. PROVIDE WITH DISCONNECT (DISCONNECT AND CONVENIENCE OUTLET TO BE INSTALLED BY ELECTRICAL). 3. PROVIDE FAN WITH BACK-DRAFT DAMPERS. 4. REFER TO CAPTIVEAIRE DRAWINGS FOR GREASE EXHAUST FAN SPECIFICATIONS AND DETAILS. FANS SHALL BE INTERLOCKED TO RUN SIMULTANEOUSLY WITH RTU-2(DOAS).												

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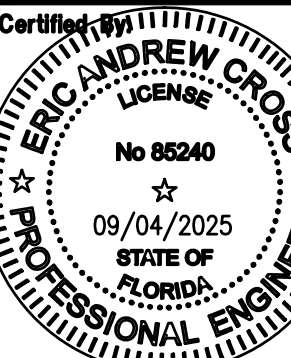
Revisions:
NEW TENANT CHANGES - 09/04/2025

Scale:	AS	NOTED	Date:	04/08/2025	Drawn By:	RNR	Checked By:	EAC
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JIANG'S KITCHEN

RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801

MECHANICAL SCHEDULES



Drawing Number:

M700
Of Sheets

Issuance:

A/E Job Number:

22500

FOR QUESTIONS, CALL THE
Central Florida Office
REGION 6A
PHONE: (407) 682 - 0317
EMAIL: reg6a@econair.com

PATENT NUMBERS
EXHAUST HOODS ND-2/BD-2/SND-2 (CANADA) - CA PATENT 2580435 C.

HOOD INFORMATION - JOB#6718547

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)							HOOD CONSTRUCTION		HOOD CONFIG	
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	LEFT	END	END	RDW
1		6024 EX-2	ECON-AIR	7' 4"	600 DEG	I	HEAVY	249	1823	10"	17"	4"	1823	1544	-0.687"	430 SS WHERE EXPOSED	LEFT	ALDNE		
2		6024 EX-2	ECON-AIR	7' 3"	600 DEG	I	HEAVY	251	1823	10"	17"	4"	1823	1544	-0.687"	430 SS WHERE EXPOSED	RIGHT	ALDNE		

HOOD INFORMATION

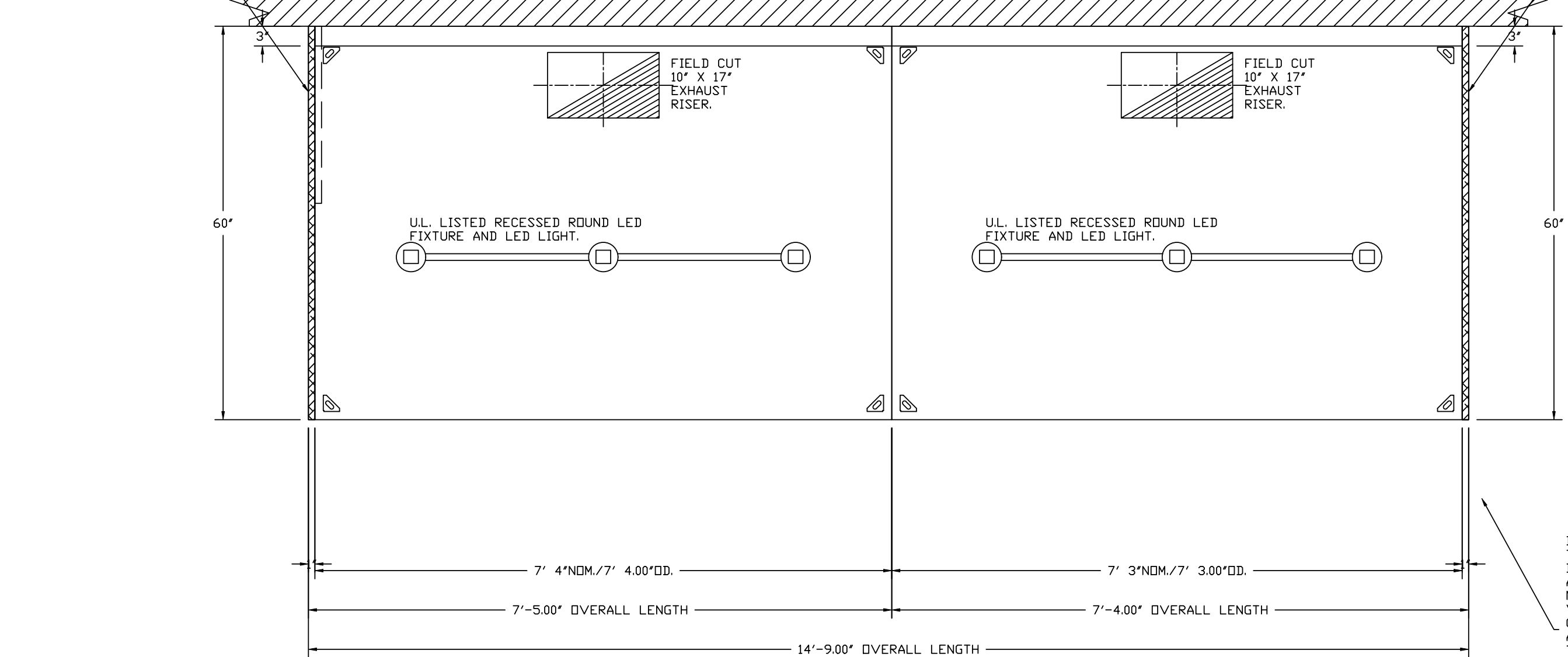
HOOD NO	TAG	TYPE	FILTER(S)				QTY	TYPE	WIRE GUARD	LOCATION	SIZE	UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
			QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS						TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY		
1		CAPTRATE SOLID FILTER	5	20"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO							NO	415 LBS
2		CAPTRATE SOLID FILTER	5	20"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO							NO	365 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1		FIELD WRAPPER 6.00" HIGH FRONT, LEFT.
		BACKSPLASH 122.00" HIGH X 195.00" LONG 430 SS VERTICAL.
		LEFT END STANDOFF (FINISHED) 1" WIDE 60" LONG INSULATED.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
2		FIELD WRAPPER 6.00" HIGH FRONT, RIGHT.
		RIGHT SIDESPLASH 122.00" HIGH X 78.00" LONG 430 SS VERTICAL.
		RIGHT END STANDOFF (FINISHED) 1" WIDE 60" LONG INSULATED.
		RIGHT WALL AS END PANEL.

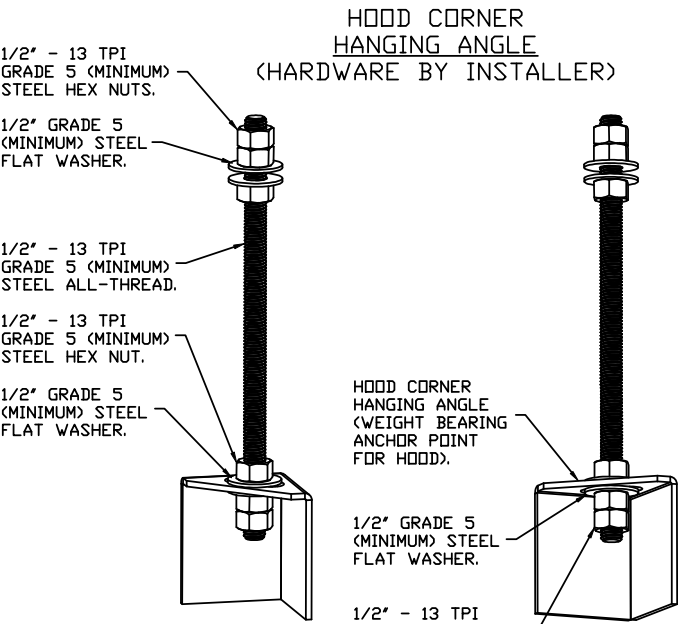
1" LAYER OF INSULATION FACTORY INSTALLED IN 100" END STANDOFF MEETS 0" REQUIREMENTS CLEARANCE TO COMBUSTIBLE SURFACES.

1" LAYER OF INSULATION FACTORY INSTALLED IN 100" END STANDOFF MEETS 0" REQUIREMENTS CLEARANCE TO COMBUSTIBLE SURFACES.



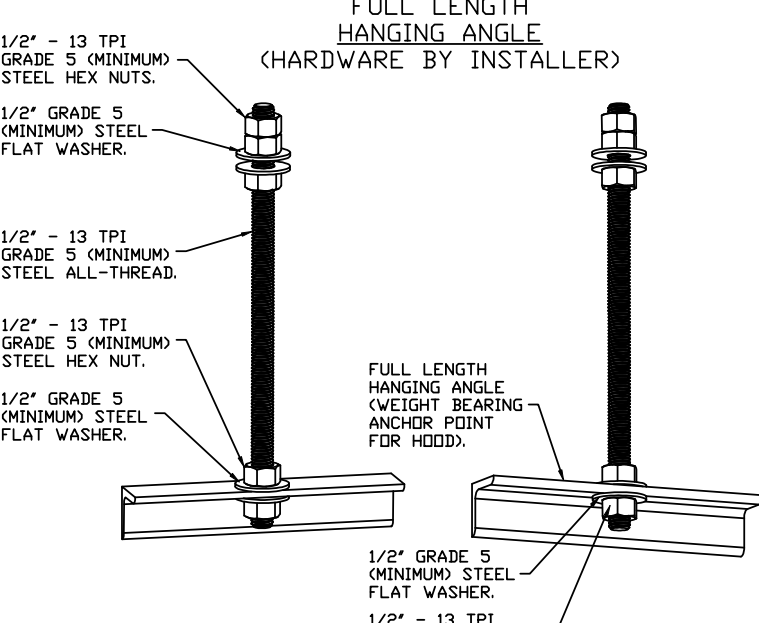
PLAN VIEW - HOOD #1
7' 4.00" LONG 6024EX-2

PLAN VIEW - HOOD #2
7' 3.00" LONG 6024EX-2



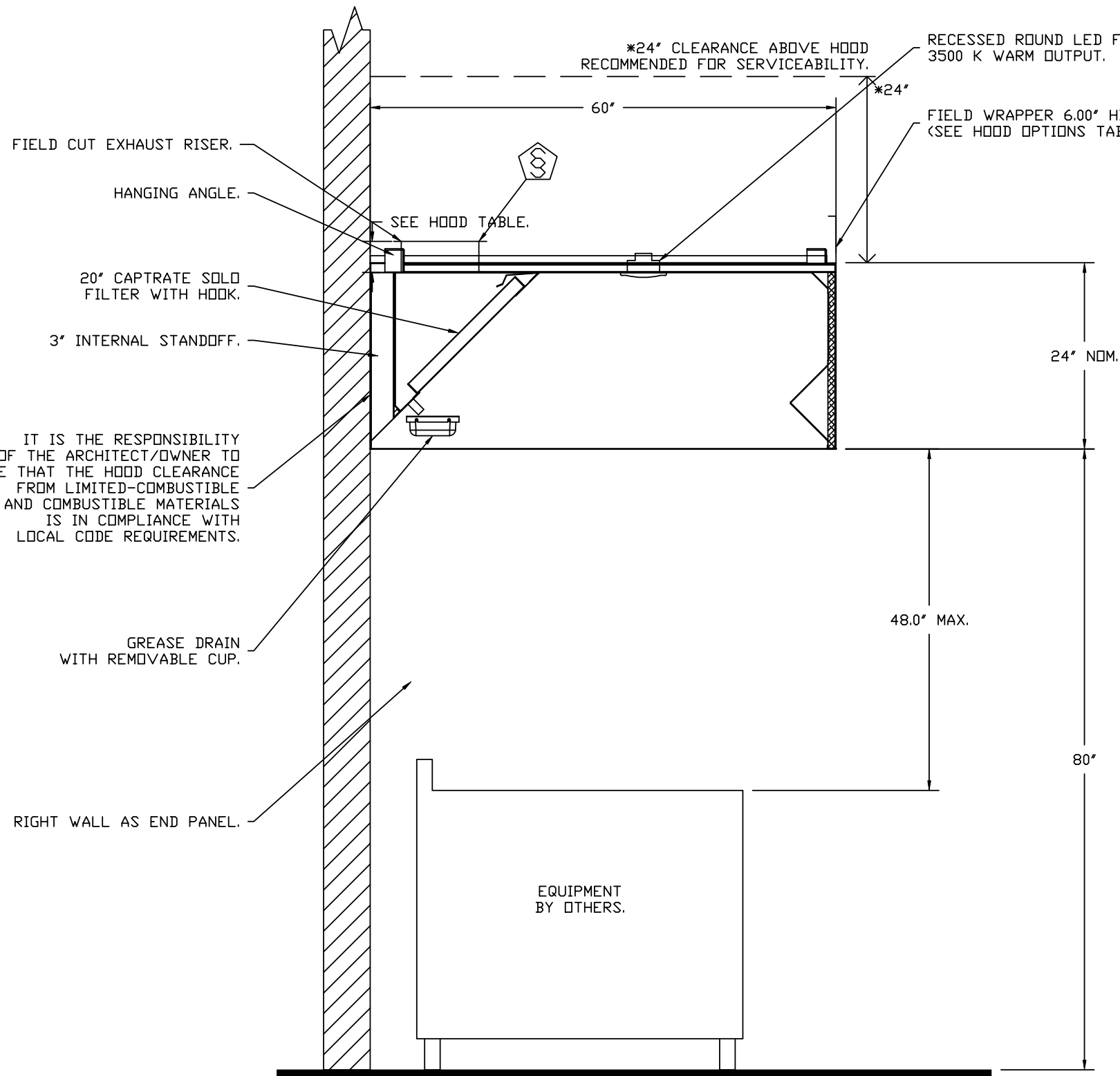
ASSEMBLY INSTRUCTIONS

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.



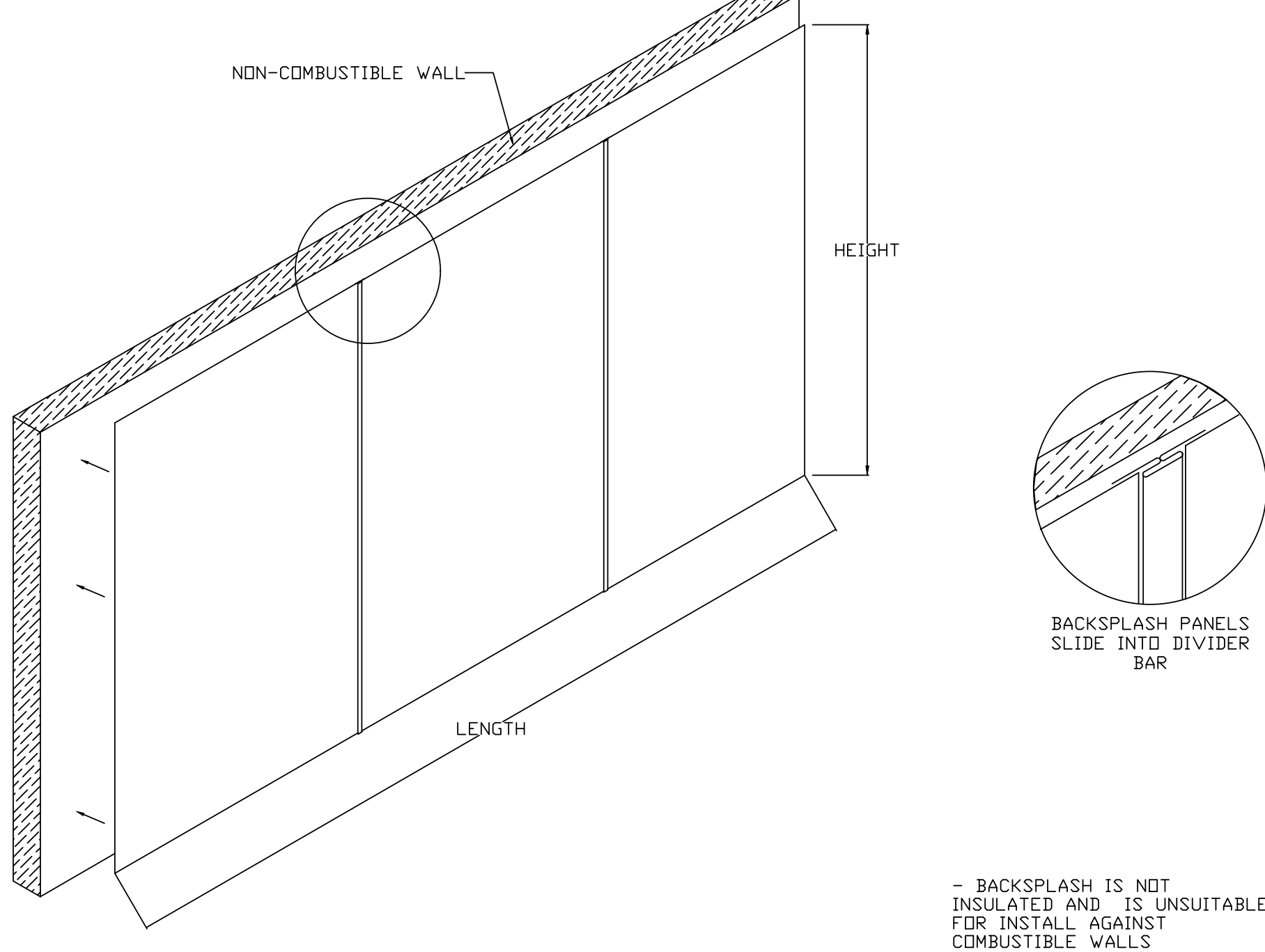
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SECTION VIEW - MODEL 6024EX-2
HOOD - #2

BACKSPLASH



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

SPECIFICATION: CAPTRATE® GREASE-STOP® SOLID FILTER

THE CAPTRATE GREASE-STOP SOLID 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.

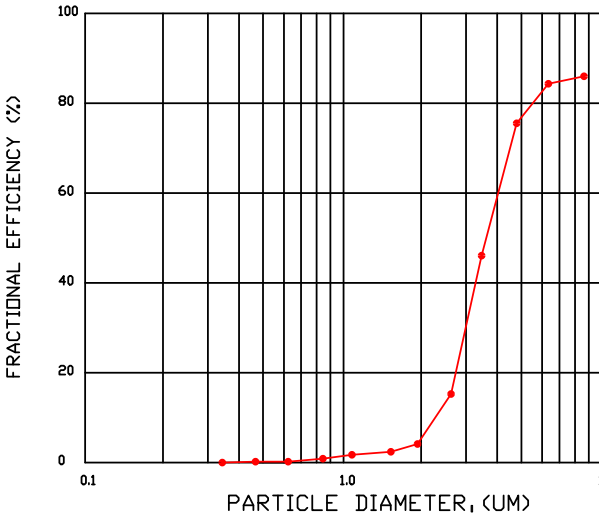
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNELS.

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

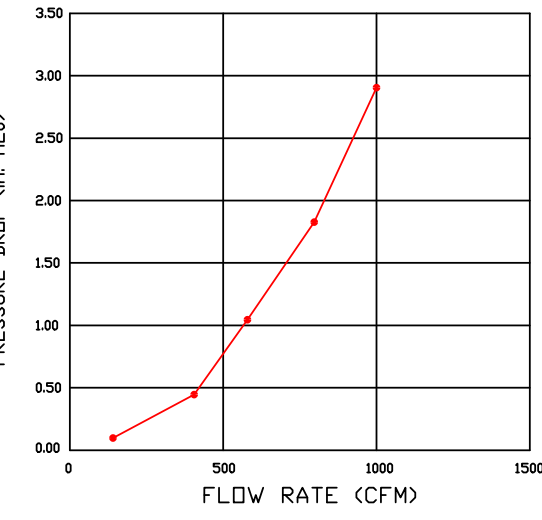
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLID 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:

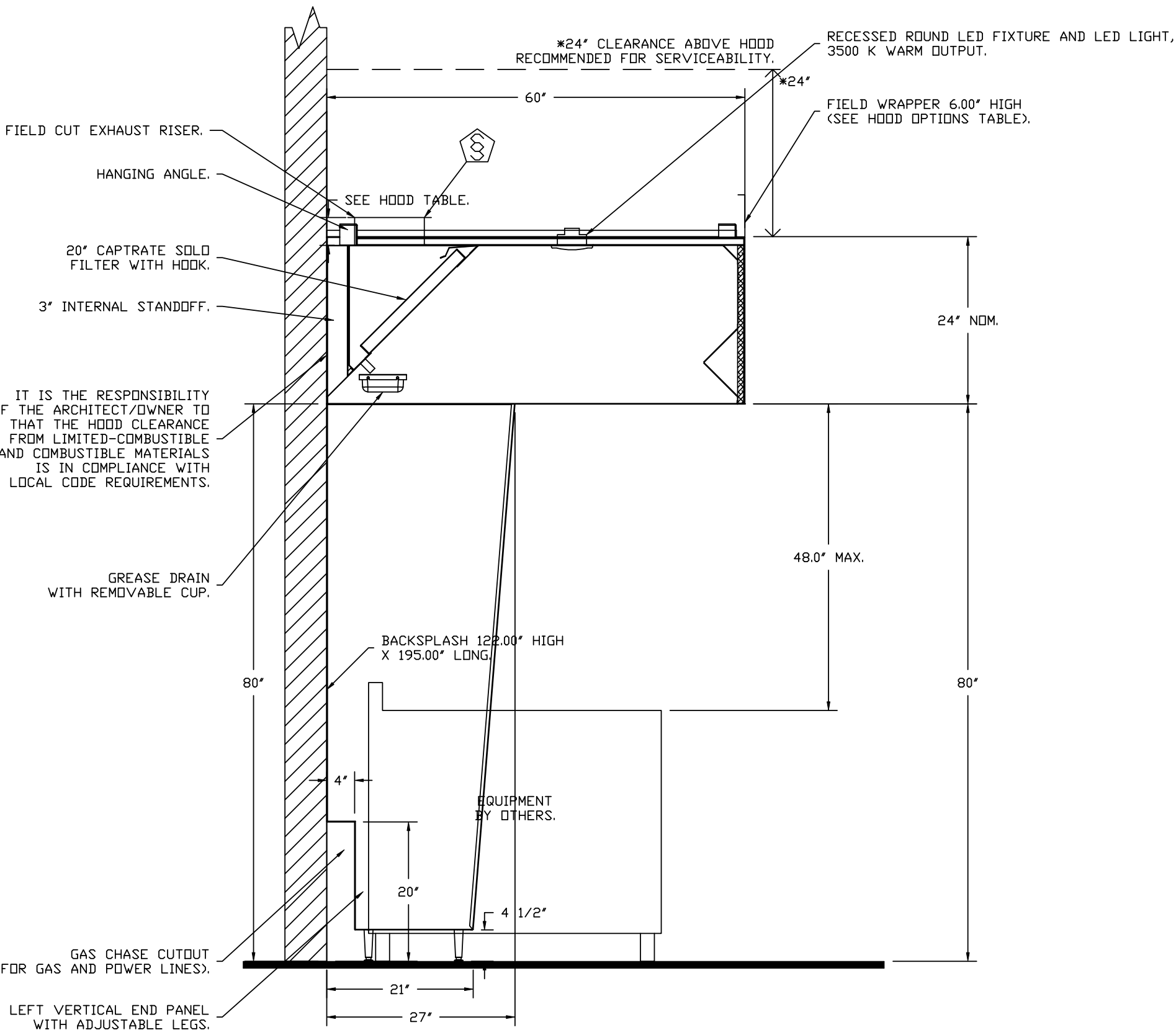
NFPA #96.
NSF STANDARD #2.
UL STANDARD #1046.
INT. MECH. CODE (IMC).
ULC-S649.



CLEARANCE TO COMBUSTIBLES

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

* 0" CLEARANCE TO COMBUSTIBLES CONFORMS TO UL710 STANDARD.



SECTION VIEW - MODEL 6024EX-2
HOOD - #1

Recon·air
Central Florida Office
www.econair.com
2901 W SR 434, Suite 101, Longwood, FL 32719 PHONE: (407) 882 - 0317 FAX: 9182275976 EMAIL: reg6a@econair.com

White Rabbitt - Orlando, FL_RI
27 East Robinson Street,
Orlando, FL, 32801

DATE: 6/27/2025

DWG.#:
6718547

DRAWN BY: PAB

SCALE:
3/4" = 1'-0"

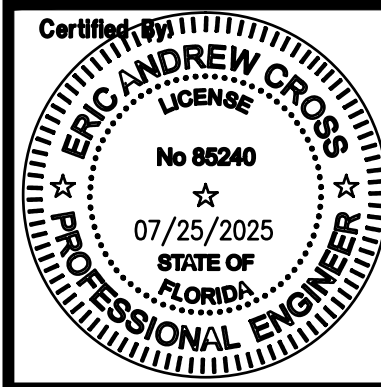
MASTER DRAWING

SHEET NO.
1

WHITE RABBIT RESTAURANT

RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801

KITCHEN HOOD DETAILS



Drawing Number:
M701
3 of 3 Sheets

Issuance:
A/E Job Number:
22500

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EXHAUST FAN INFORMATION – JOB#6718547

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SDNES
1	KEF-1	1	DUI80HFA	CAPTIVEAIRE	1823	1.250	1070	ODP,PREMIUM	1.500	0.8110	3	208	6.6	421 FPM	179	11.4
2	KEF-2	1	DUI80HFA	CAPTIVEAIRE	1823	1.250	1070	ODP,PREMIUM	1.500	0.8110	3	208	6.6	421 FPM	179	11.4

DOAS/RTU FAN SCHEDULE – JOB#6718547

FAN INFORMATION										ELECTRICAL INFORMATION										COOLING INFORMATION										REHEAT INFORMATION					ELECTRIC HEAT INFORMATION					NOTES
FAN UNIT NO	TAG	QTY	DDAS/RTU MODEL #	MANUFACTURER	BLOWER	RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	WEIGHT (LBS)	ESP	HP	PHASE	VOLT	MCA	MDCP	OUTSIDE AIR DB	OUTSIDE AIR WB	MIXED AIR DB	MIXED AIR WB	LEAVING AIR DB	LEAVING AIR WB	CAPACITY		IEER	ISMRE2	DISCHARGE		CAPACITY		MOISTURE REMOVAL RATE	DSGN. KW'S	MAX. KW'S	VOLTS	AMPS	TEMP REISE					
																						DB	WB			DB	WB	DB	WB							DESIRED	MAX			
3	RTU-1A	1	CAS-HVAC2-E.302-15-10T	CAPTIVEAIRE	15P-2	745	1000	1745	1330	0.500	1.50	3	230	79A	80A	93.0°F	77.0°F	85.3°F	63.9°F	49.0°F	49.0°F	49.1°F	114.4 MBH	67.4 MBH	18.6	0	72.0°F	60.0°F	45.5 MBH	96 MBH	43.1 LBS/HR	22	30	230	72.2	42 °F	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19			
4	RTU-2A	1	CAS-HVAC3-E.452-18-20T-DDAS	CAPTIVEAIRE	18P-3	0	3000	3000	1644	0.500	3.00	3	208	121.4A	125A	93.0°F	77.0°F	---	---	51.8°F	49.0°F	46.7°F	264.0 MBH	130.4 MBH	18.2	0	70.0°F	58.5°F	61.5 MBH	129.6 MBH	121.0 LBS/HR	39	45	230	108.3	42 °F	1,2,3,4,5,6,7,8,9,10,11,12,14,15,19,20			

NOTES:

1. INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR. DIGITAL DR 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. FULLY MODULATING HOT GAS REHEAT
13. 15 DEGREE LOW AMBIENT OPERATION
14. MIAMI DADE RATED
15. HALL GUARD FOR CONDENSING COIL
16. STATIC PRESSURE CONTROLLED OUTSIDE AIR DAMPER
17. BAROMETRIC RELIEF DAMPER
18. DOWN DISCHARGE/DOWN RETURN
19. SINGLE POINT POWER CONNECTION FOR UNIT & ELECTRIC HEATER
20. DOWN DISCHARGE/NO RETURN

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						
2	KEF-2	YES						

REVISIONS

DESCRIPTION	DATE
Δ	
Δ	
Δ	
Δ	

2901 W SR 434, Suite 101, Longwood, FL 32779 PHONE: (407) 682-1031 / FAX: 9192218976 EMAIL: reg@econair.com

Central Florida Office

White Rabbit - Orlando, FL_R1
27 East Robinson Street,
Orlando, FL, 32801

DATE: 6/27/2025

DWG.#: 6718547

DRAWN BY: PAB

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO.
2

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WHITE RABBIT RESTAURANT

RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801

KITCHEN HOOD DETAILS



Drawing Number:
M702
Of Sheets

Issuance:
A/E Job Number:
22500

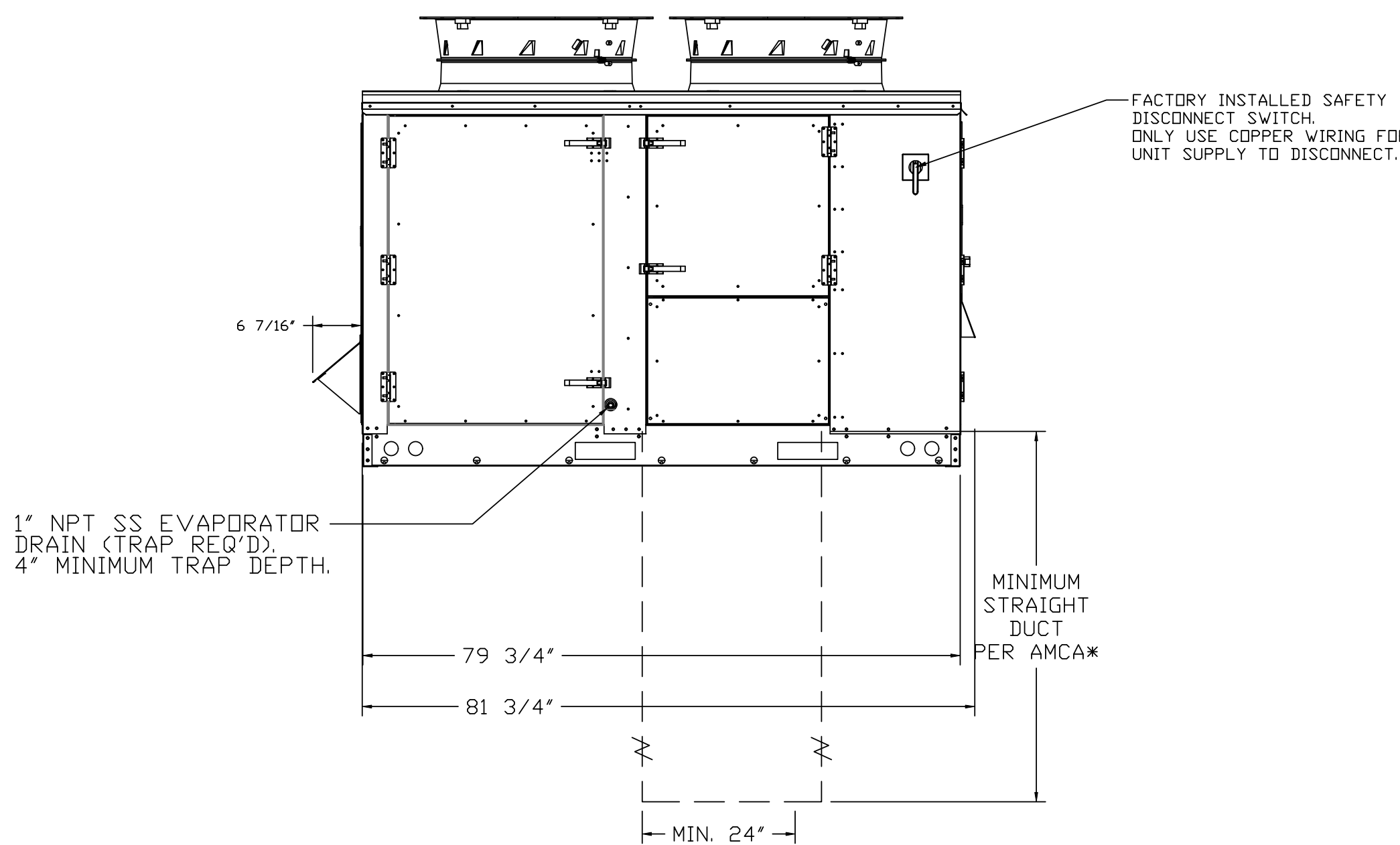
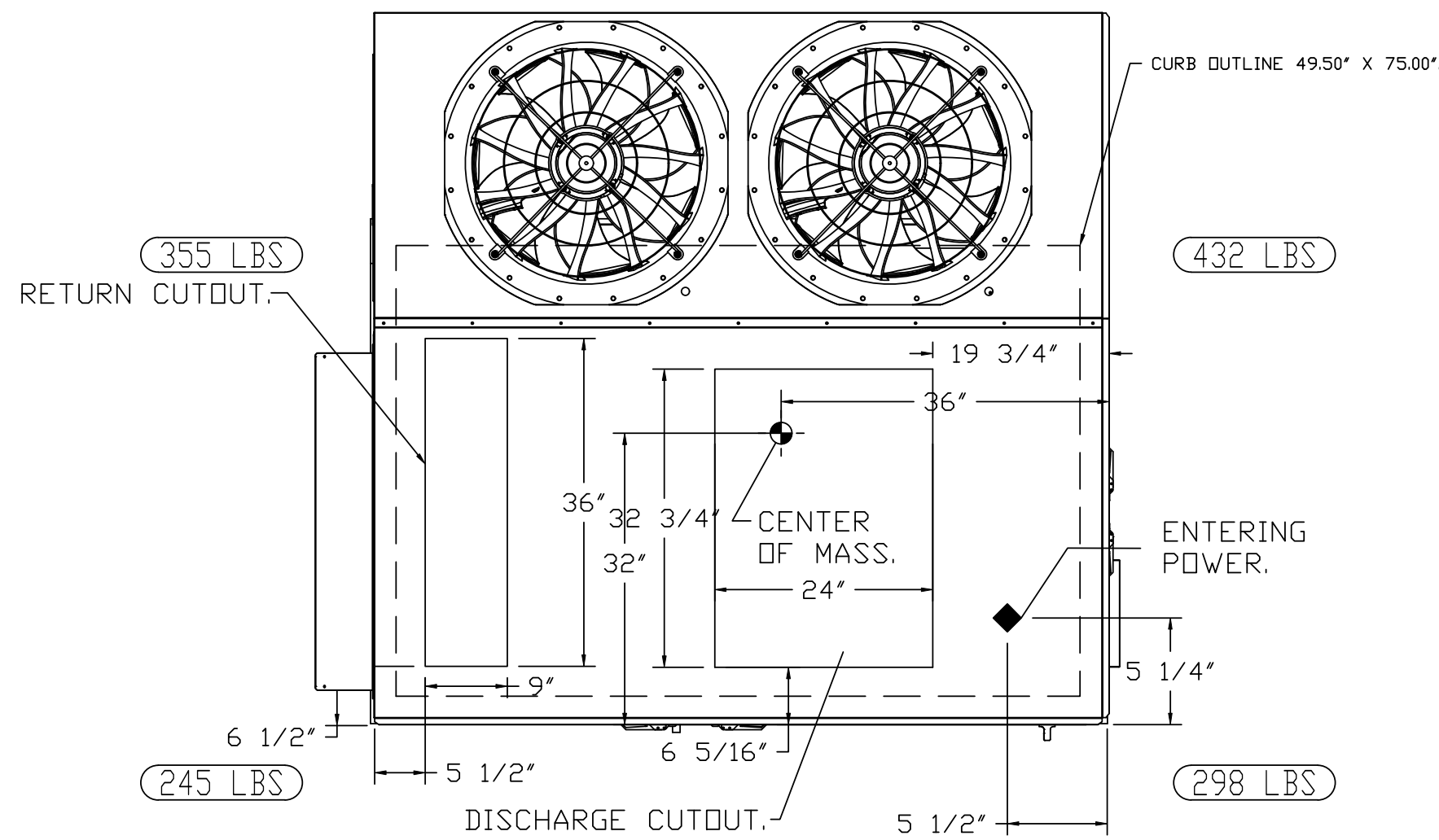
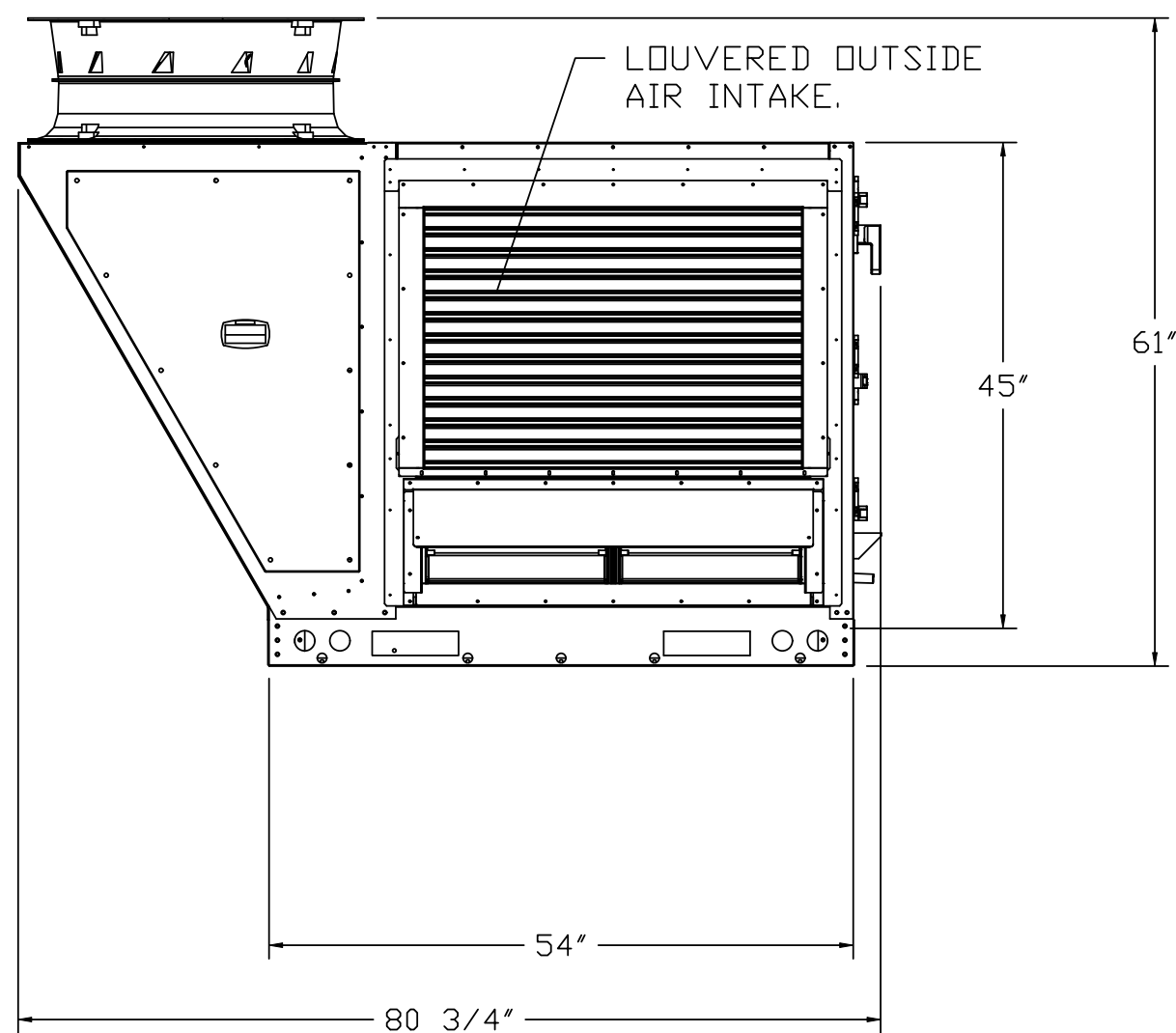
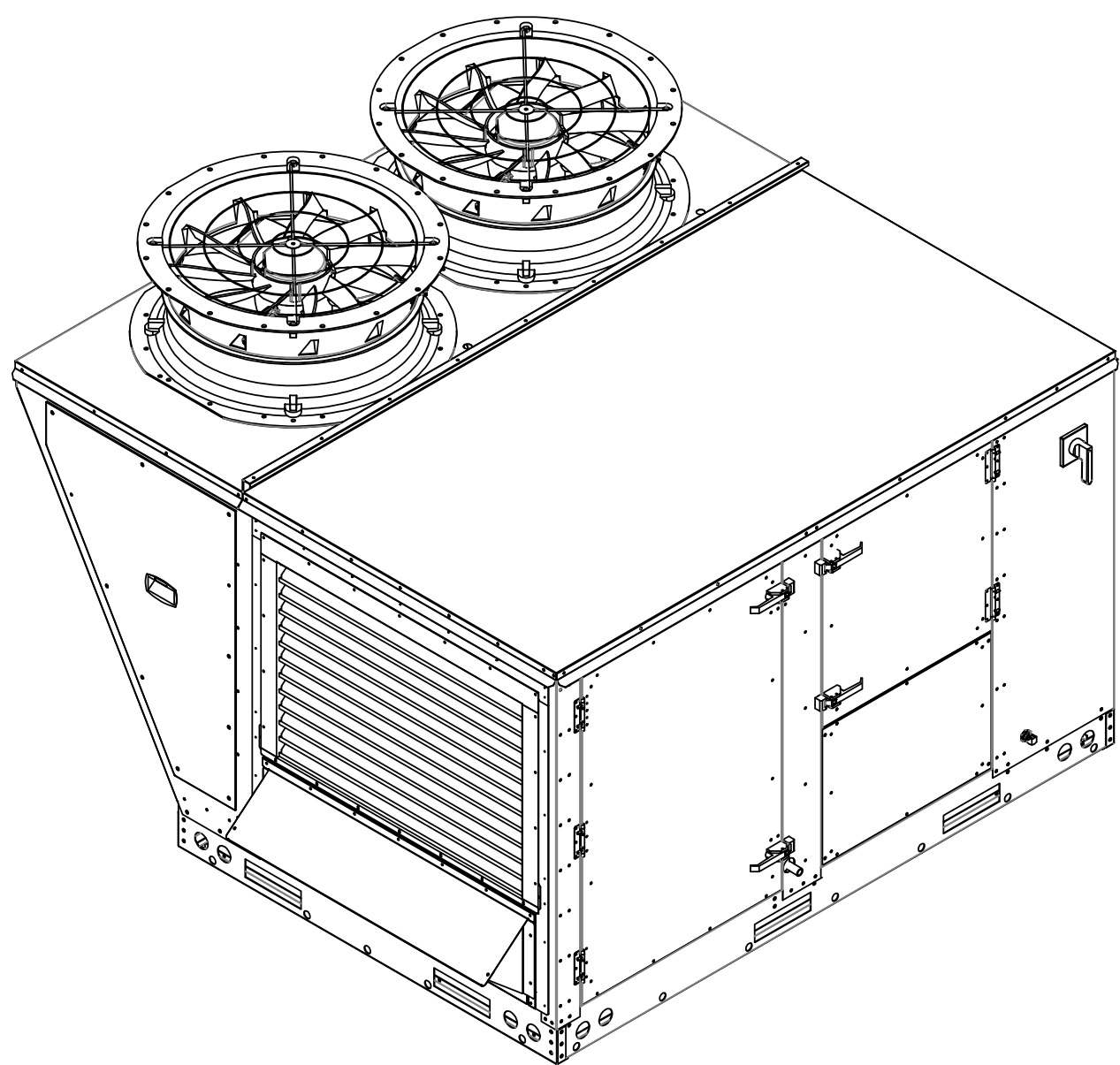
FAN #3 CAS-HVAC2-E.302-15-10T - HEATER (RTU-1A)

NOTES:

- DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
- DENOTES CORNER WEIGHT.
- CONNECTION FROM BREAKER TO UNITS SAFETY DISCONNECT SWITCH TO BE COPPER WIRE ONLY.

*NOTE: INTEGRAL CO2 MONITORING AND CONTROL CAPABILITIES FOR ALL SPACE MOUNTED THERMOSTATS.

*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" × 30.25".



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DESCRIPTION	DATE

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White Rabbitt - Orlando, FL_R1
27 East Robinson Street,
Orlando, FL, 32801

DATE: 6/27/2025
DWG.#: 6718547
DRAWN BY: PAB
SCALE: 3/4" = 1'-0"
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SHEET NO.
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WHITE RABBIT RESTAURANT

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ORLANDO, FL 32801

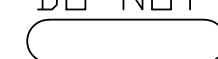
KITCHEN HOOD DETAILS



Drawing Number:
M704
Of Sheets

Issuance:
A/E Job Number:
22500

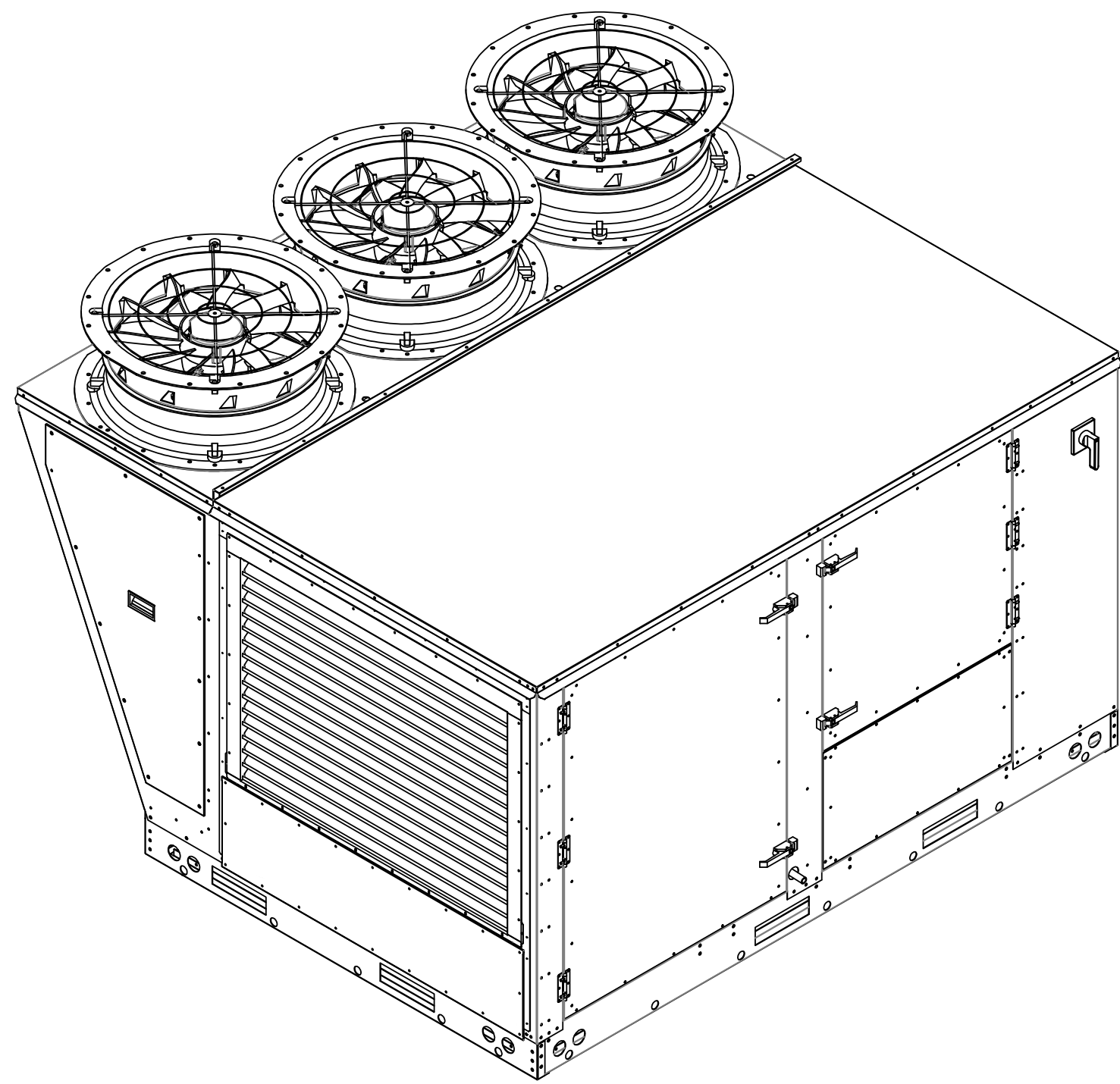
FAN #4 CAS-HVAC3-E.452-18-20T-DDAS - HEATER (RTU-2A)

- NOTES:
- DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
 -  DENOTES CORNER WEIGHT.
 - CONNECTION FROM BREAKER TO UNITS SAFETY DISCONNECT SWITCH TO BE COPPER WIRE ONLY.

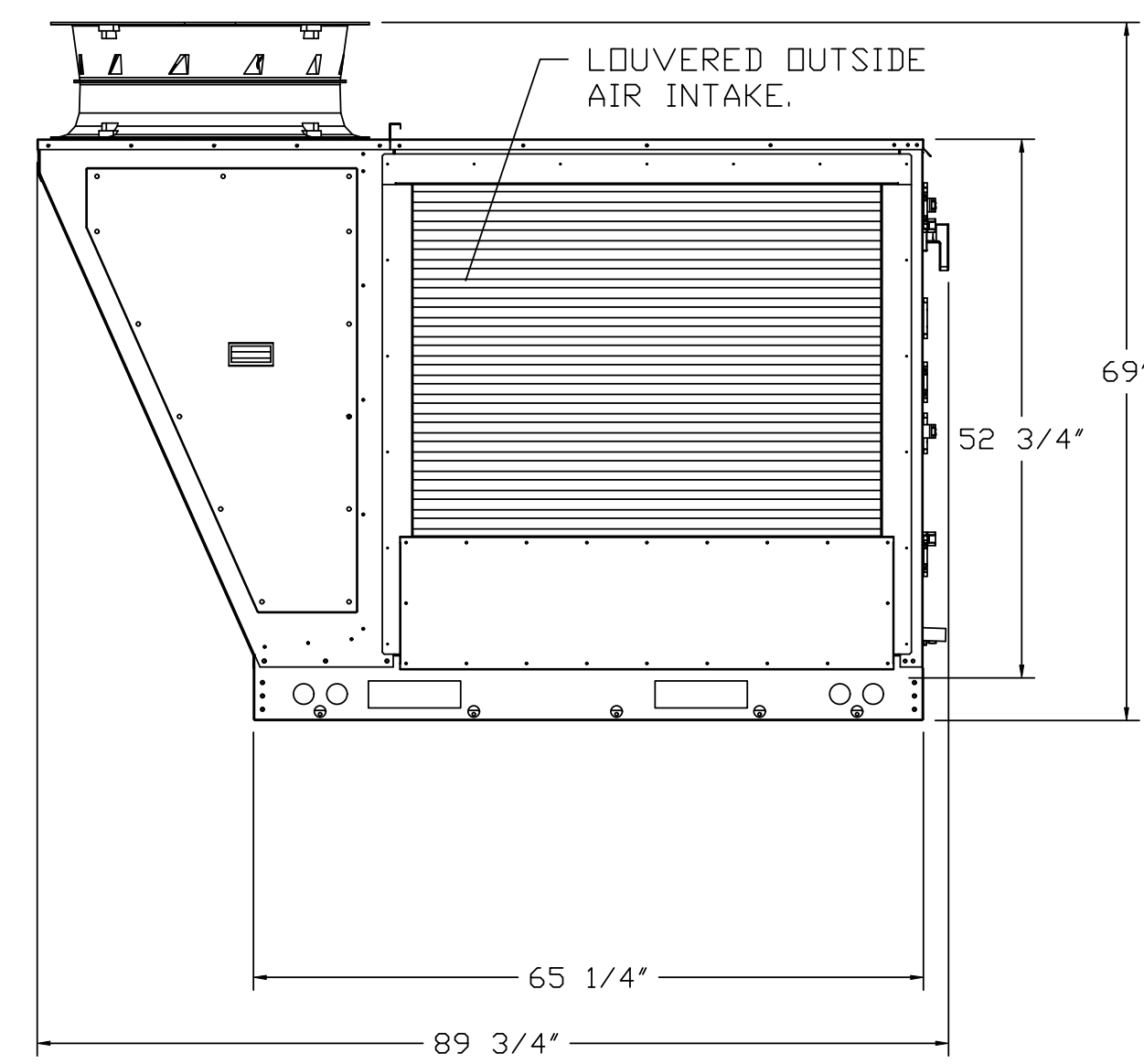
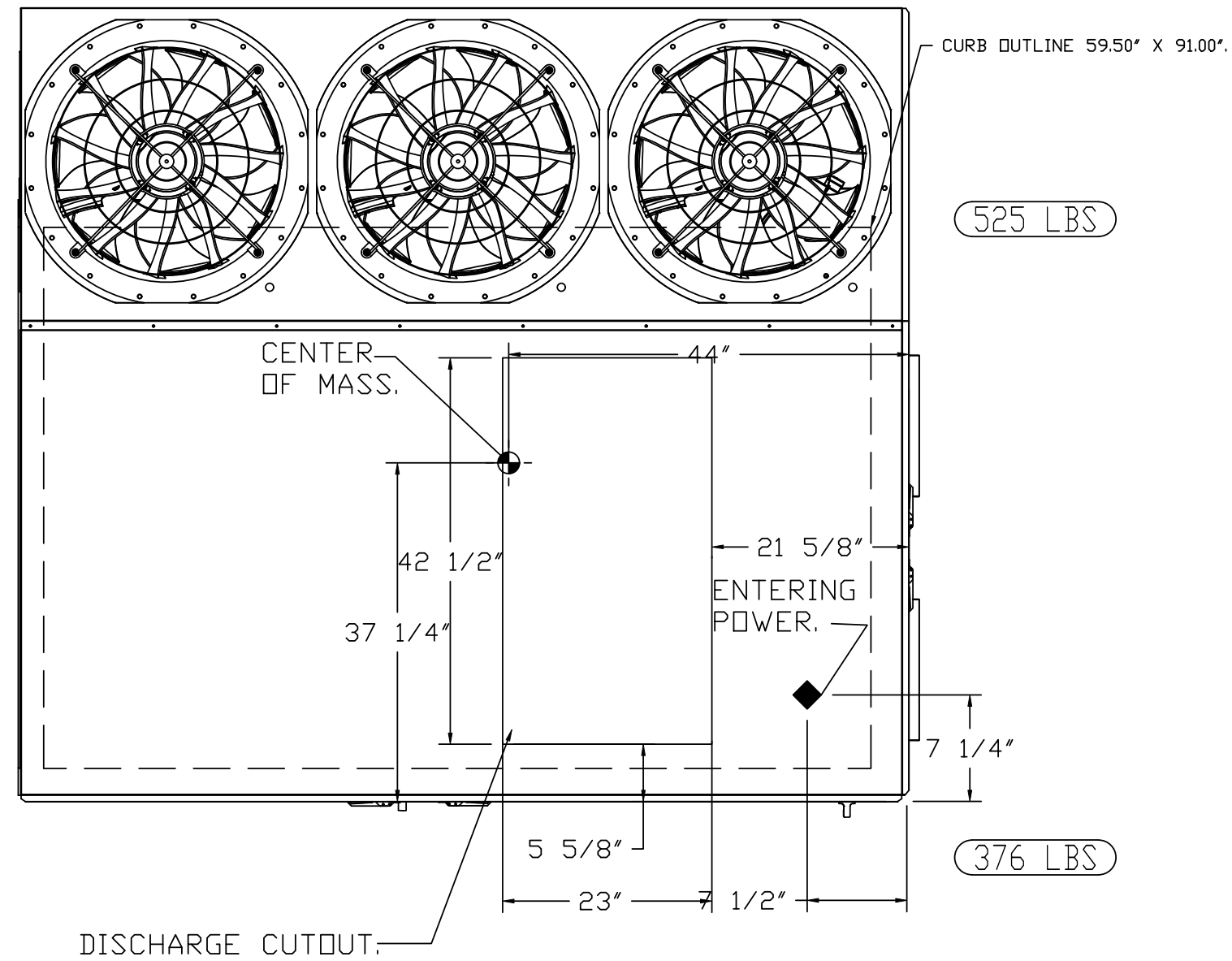
*NOTE: INTEGRAL CO2 MONITORING AND CONTROL CAPABILITIES FOR ALL SPACE MOUNTED THERMOSTATS.

***NOTE: THIS UNIT IS INTENDED TO SERVE IN PLACE OF THE KITCHEN HVAC ROOF TOP UNIT (RTU) IN ADDITION TO PROVIDING APPROPRIATE MAKE-UP AIR FOR THE KITCHEN HOOD(S). RTU AND ASSOCIATED DUCTWORK SHALL BE REMOVED FROM SCOPE UNLESS REQUIRED FOR INTERNAL LOAD ESTIMATES. FINAL DESIGN SHALL BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD.**

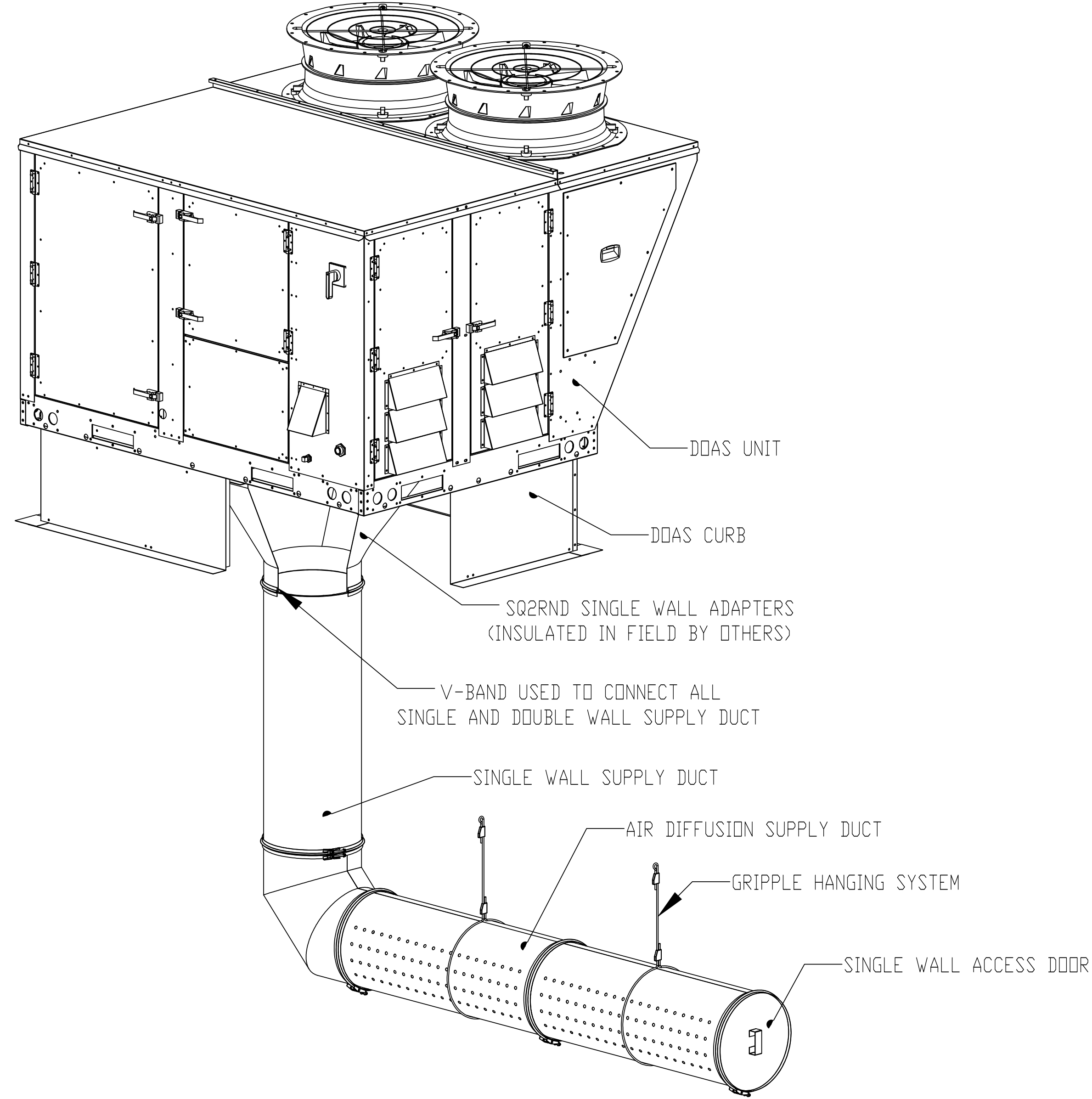
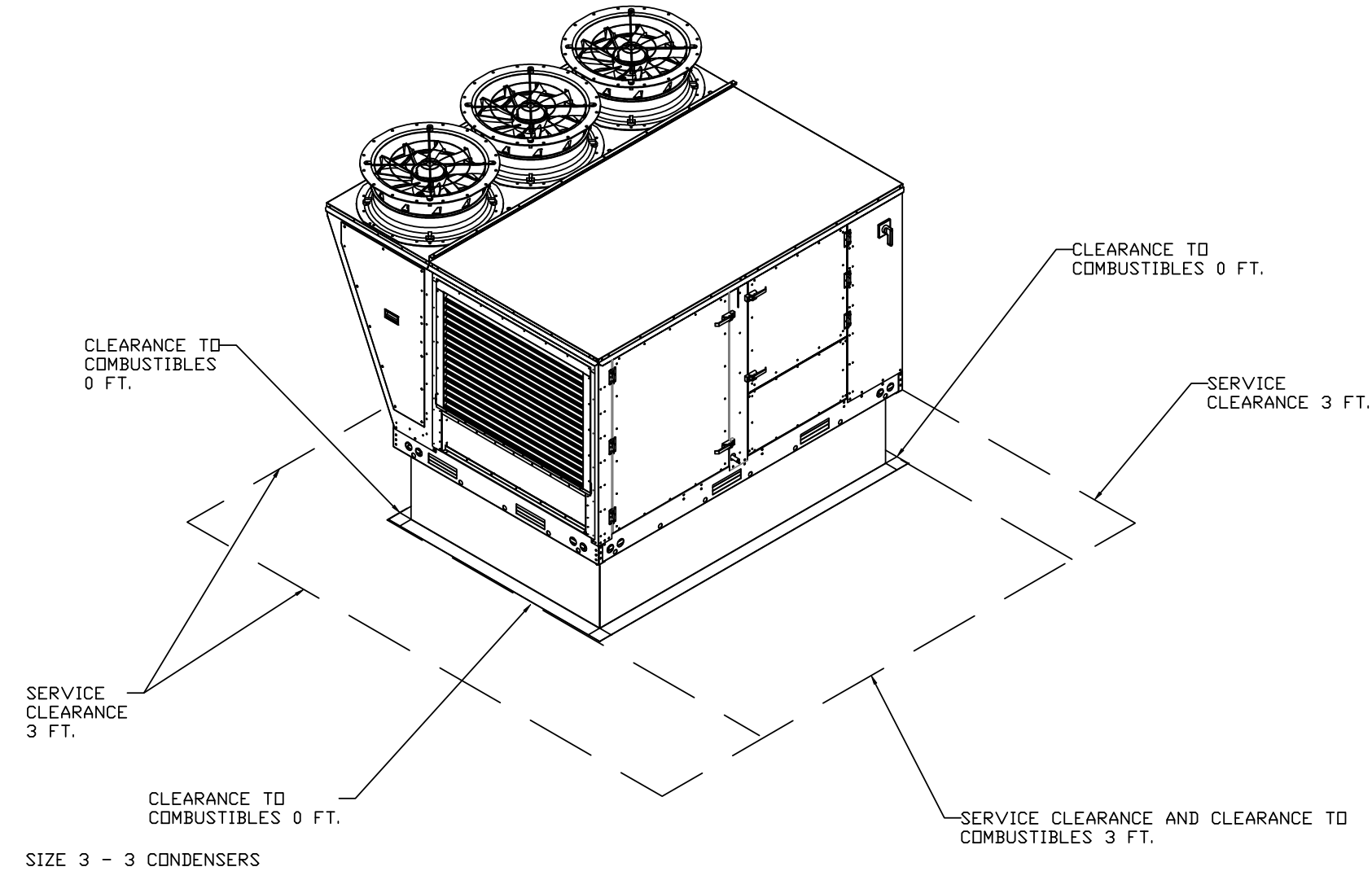
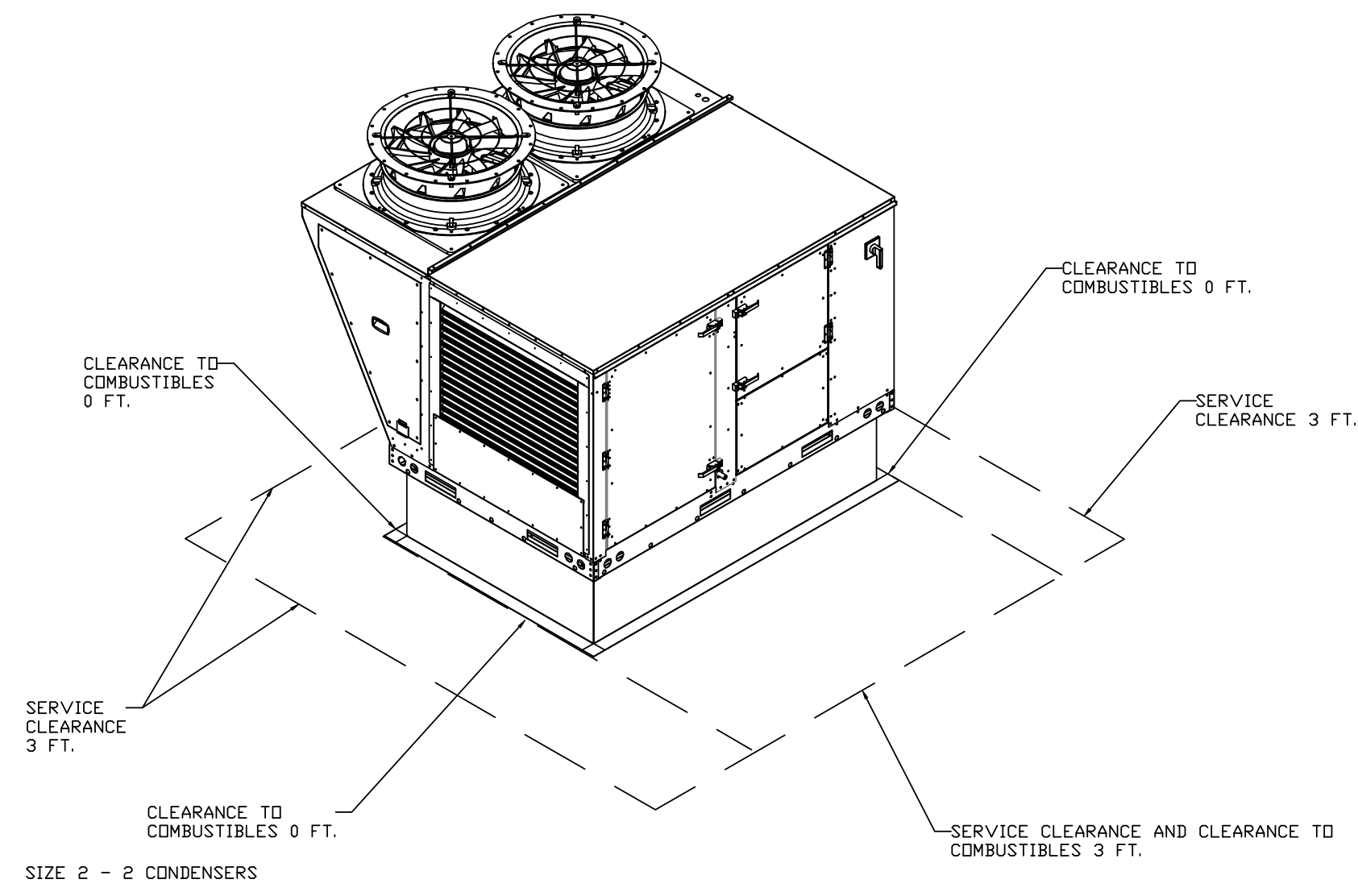
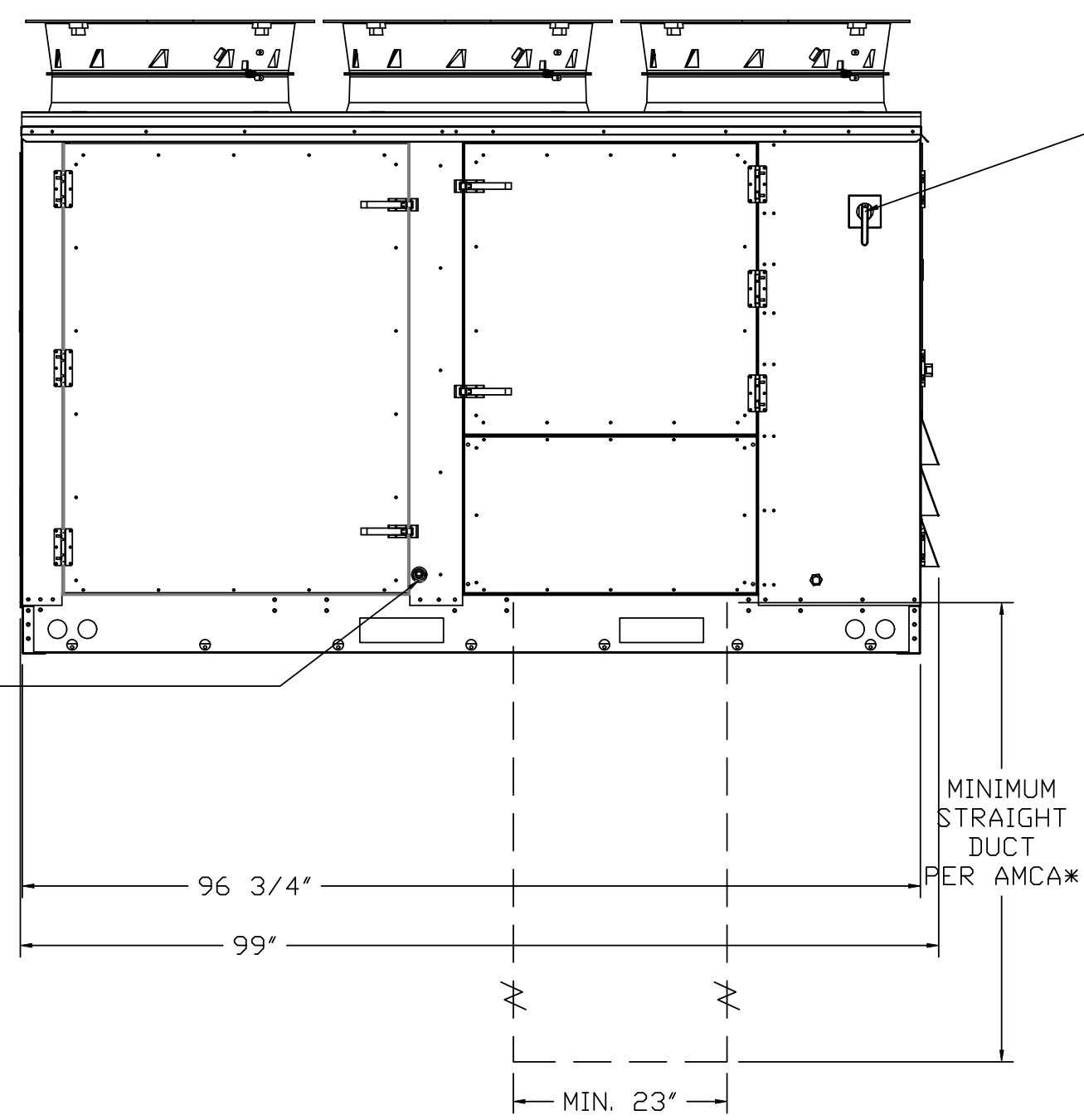
*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE 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 23" x 39".



433 LBS



1" NPT SS EVAPORATOR DRAIN (TRAP REQ'D).
4" MINIMUM TRAP DEPTH.



REVISIONS

REVISION	DESCRIPTION	DATE
1		
2		
3		
4		

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27 East Robinson Street,
Orlando, FL, 32801

DATE: 6/27/2025
DWG.#: 6718547
DRAWN BY: PAB
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 5

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G4 ARCHITECTURE

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Revisions: OWNER'S CHANGES - 01/25/25

Scale: AS NOTED
Date: 04/08/2025
Drawn By: RMR
Checked By: EAC

WHITE RABBIT RESTAURANT
RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801
KITCHEN HOOD DETAILS

Certified Professional Engineer
ERIC A. CROSS
No 85240
07/25/2025
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Drawing Number: M705
Of 5 Sheets

Issuance: A/E Job Number: 22500

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 DNSITE 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

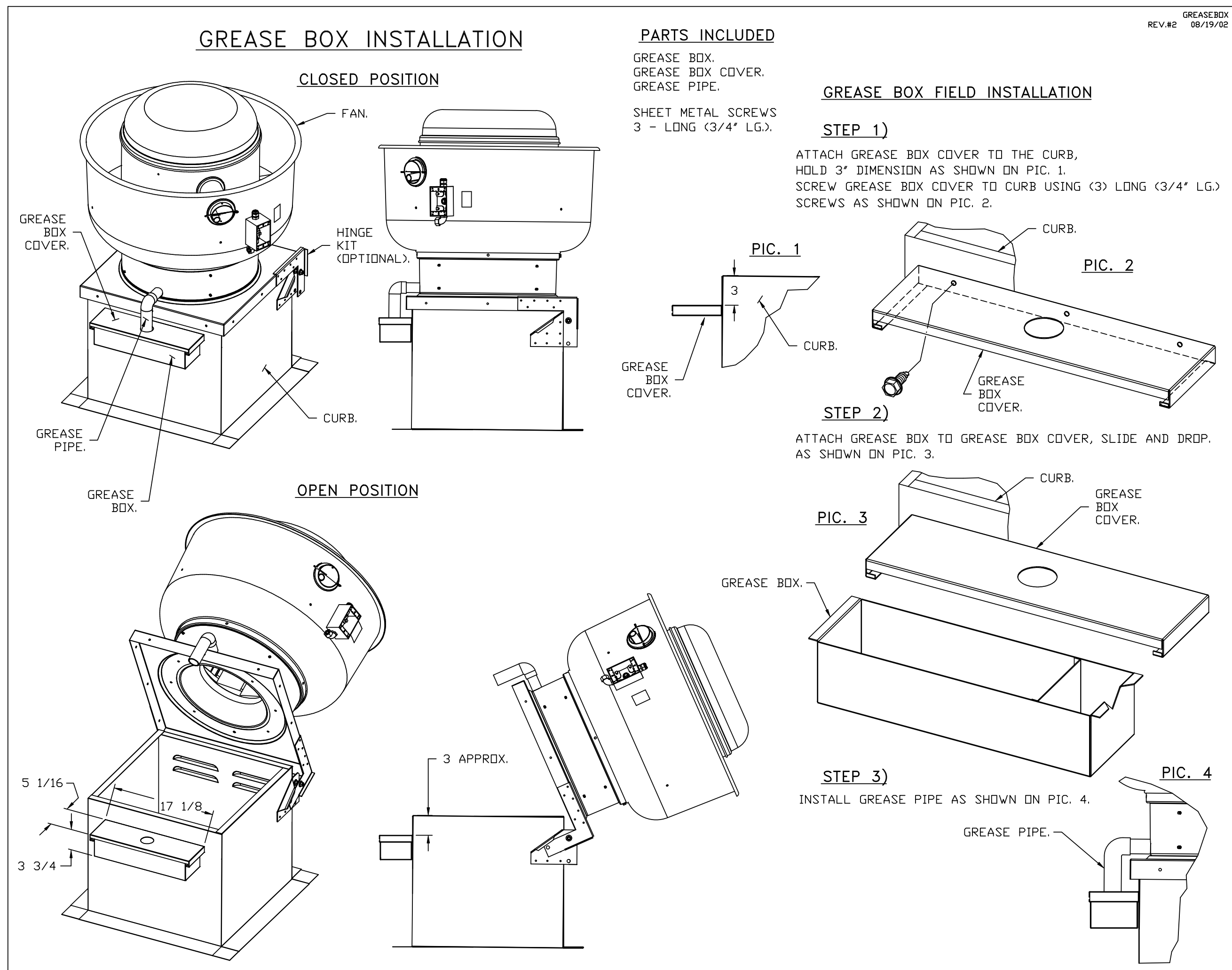
DOUBLE WALL SUPPLY DUCT IS INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.
AIR DIFFUSION SUPPLY DUCT COMPLIES WITH SMACNA (SHEET METAL AND AIR CONDITIONING CONTRACTORS) BEST PRACTICES.
POSITIONING OF SPRINKLERS TO AVOID OBSTRUCTION TO DISCHARGE, SEE NFPA 13, TABLE 8.12.5.1.1.

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.

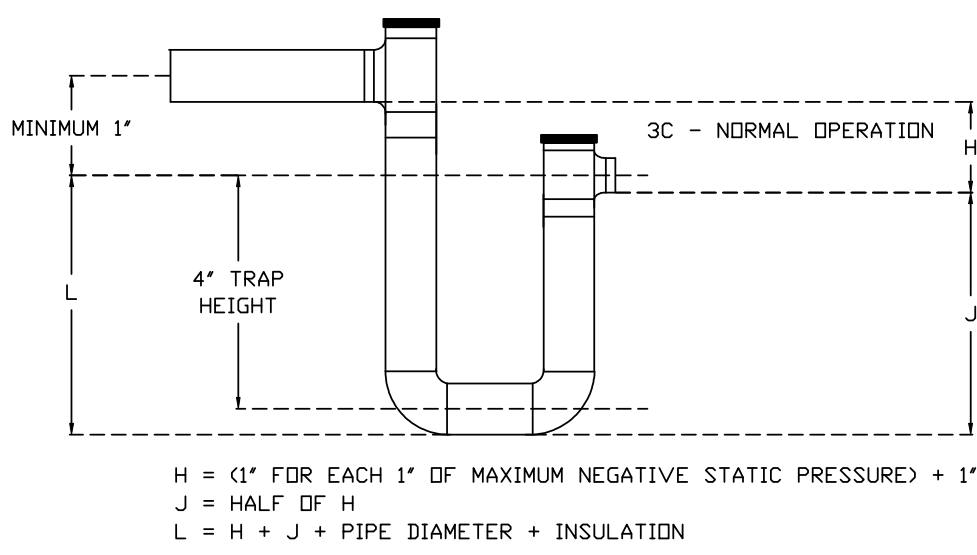
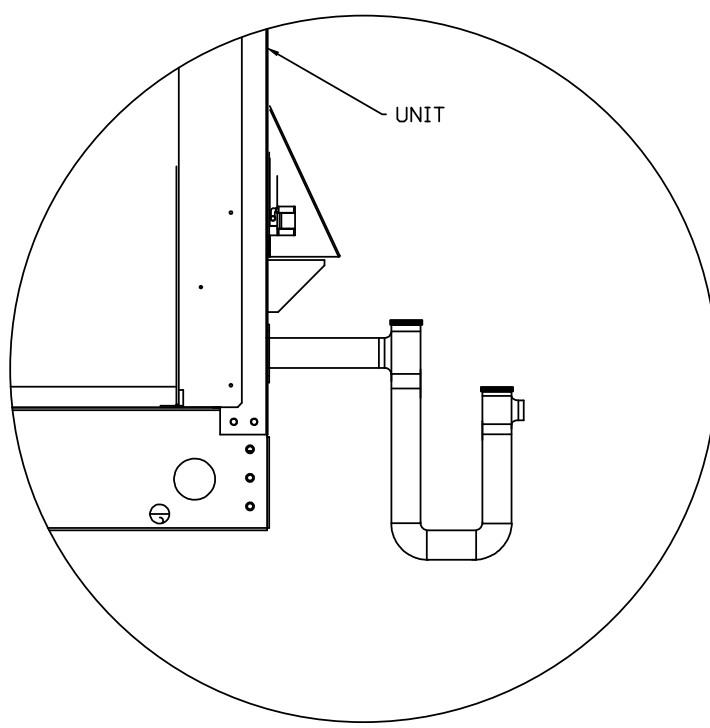
CUSTOMER APPROVAL TO MANUFACTURE:

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



*NOTE: UL 705 INSTALL.

RIV CONDENSATE DRAIN TRAP DETAIL



REVISIONS

NO.	DESCRIPTION	DATE
1		
2		
3		
4		

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WHITE RABBIT RESTAURANT

RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801

KITCHEN HOOD DETAILS

White Rabbit - Orlando, FL_R1
27 East Robinson Street,
Orlando, FL, 32801

DATE: 6/27/2025
DWG.#: 6718547
DRAWN BY: PAB
SCALE: 3/4" = 1'-0"
MASTER DRAWING

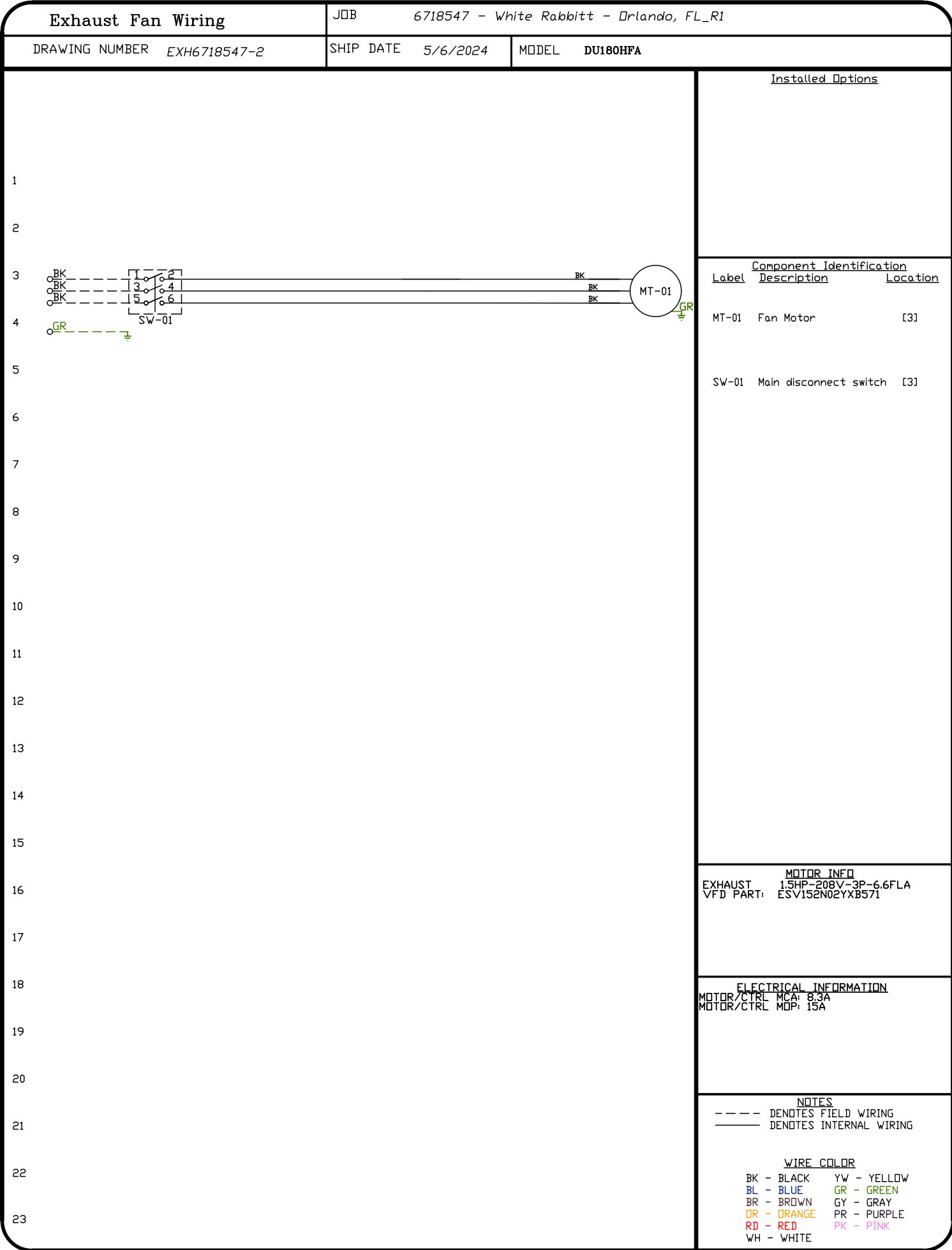
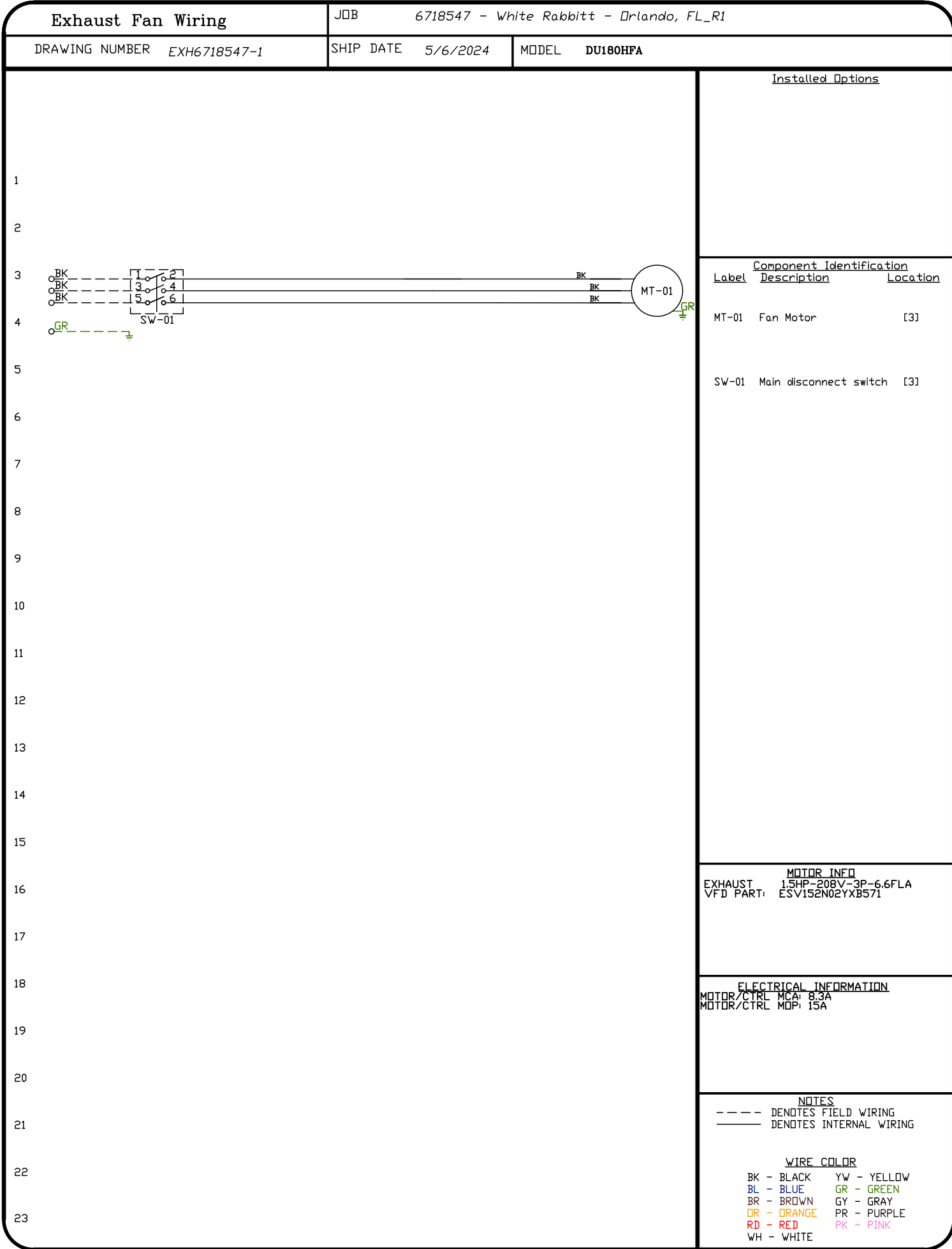
SHEET NO.
6



Drawing Number:
M706
Of Sheets

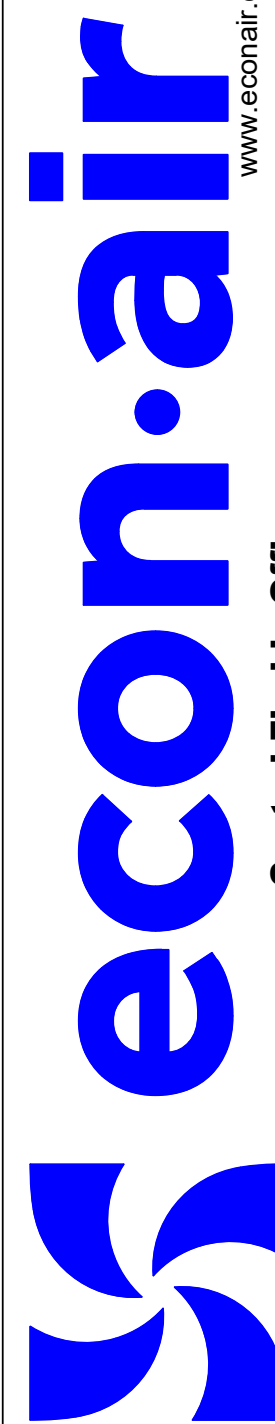
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reg66@econair.com

White Rabbitt - Orlando, FL_R1

27 East Robinson Street,

Orlando, FL, 32801

DATE: 6/27/2025

DWG.#: 6718547

DRAWN BY: PAB

SCALE: 3/4" = 1'-0"

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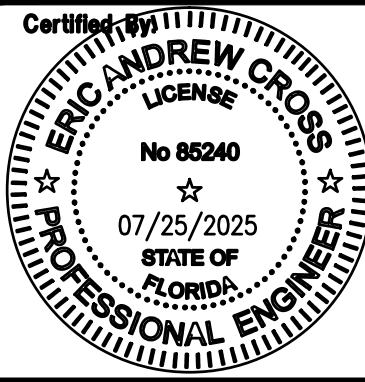
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WHITE RABBIT RESTAURANT

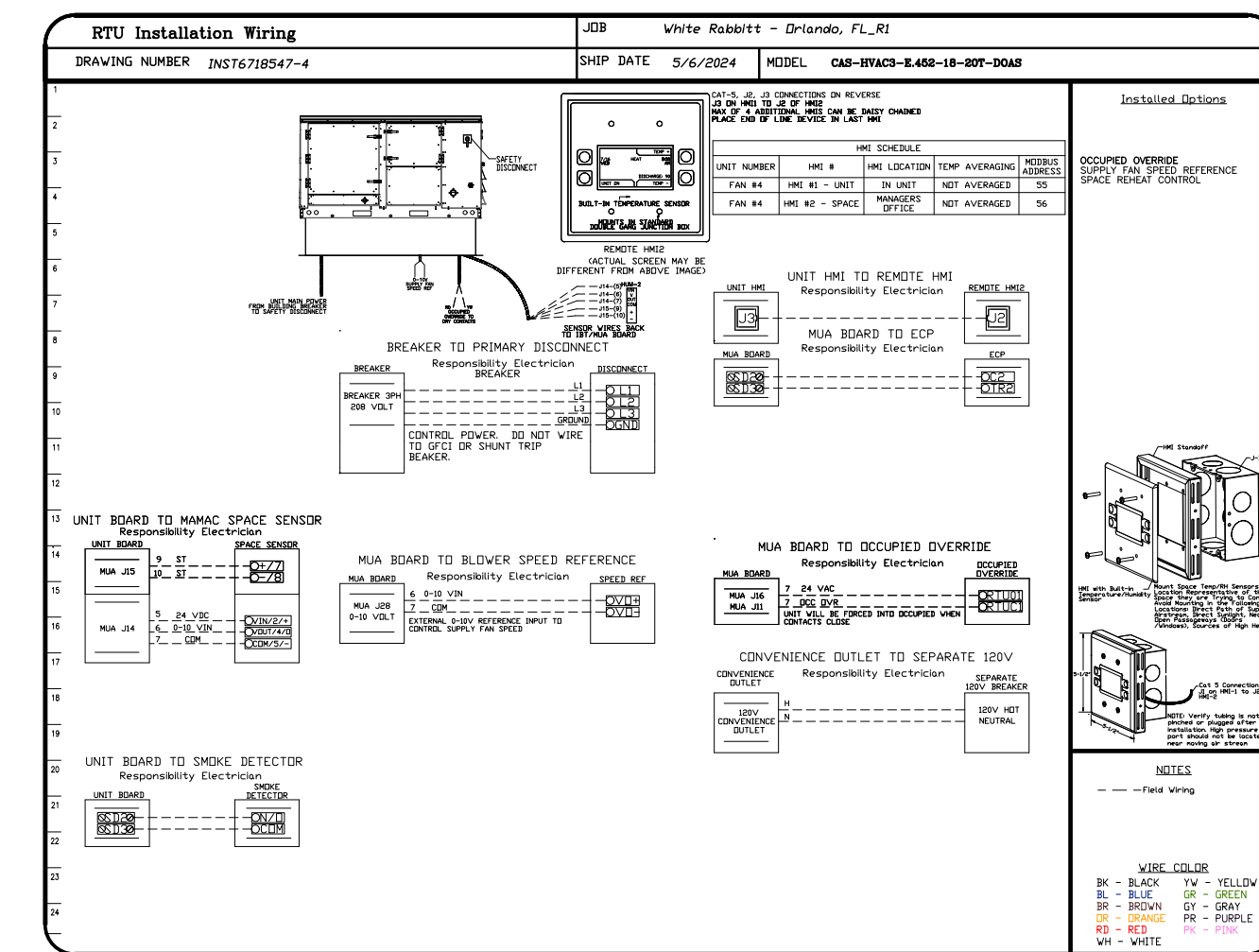
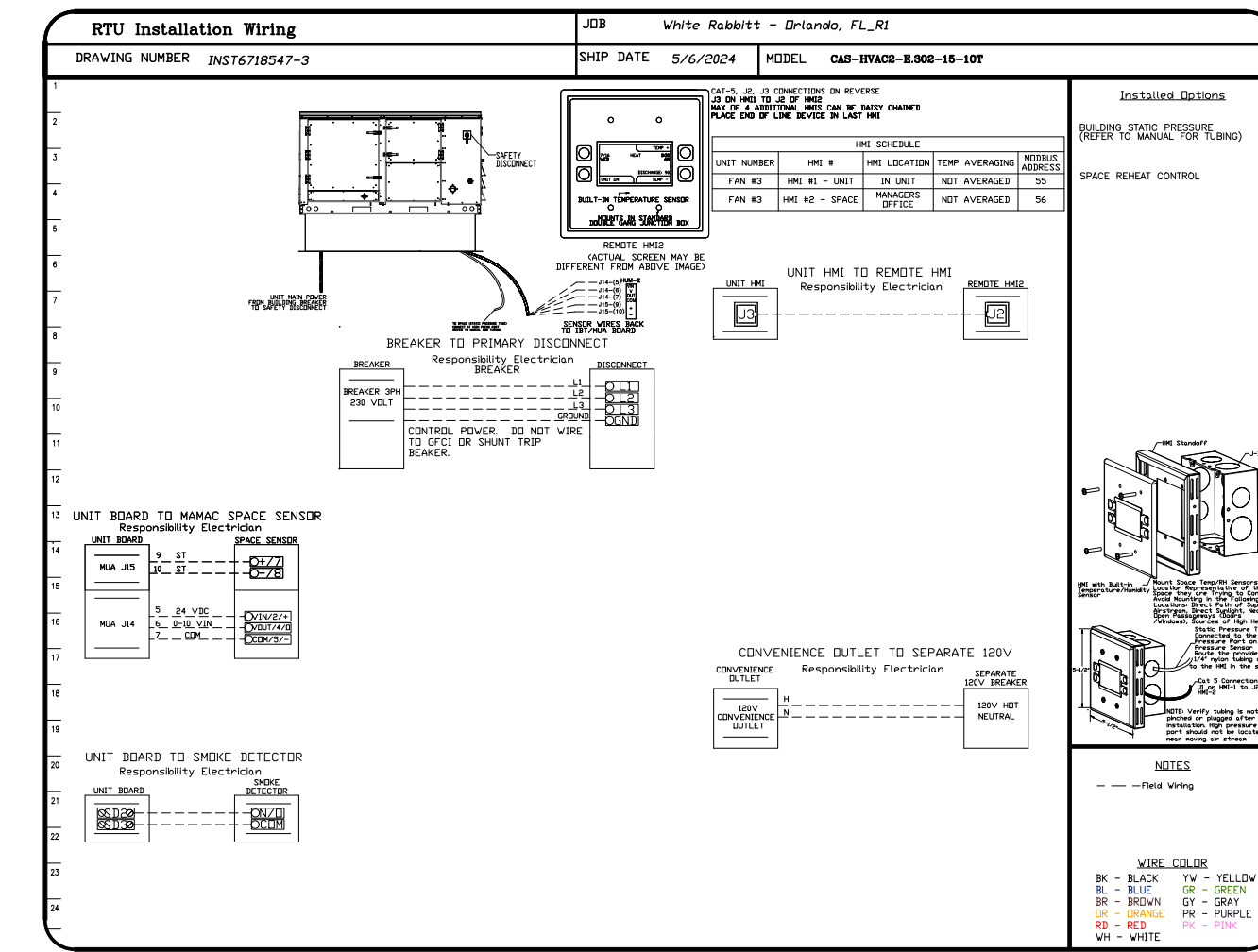
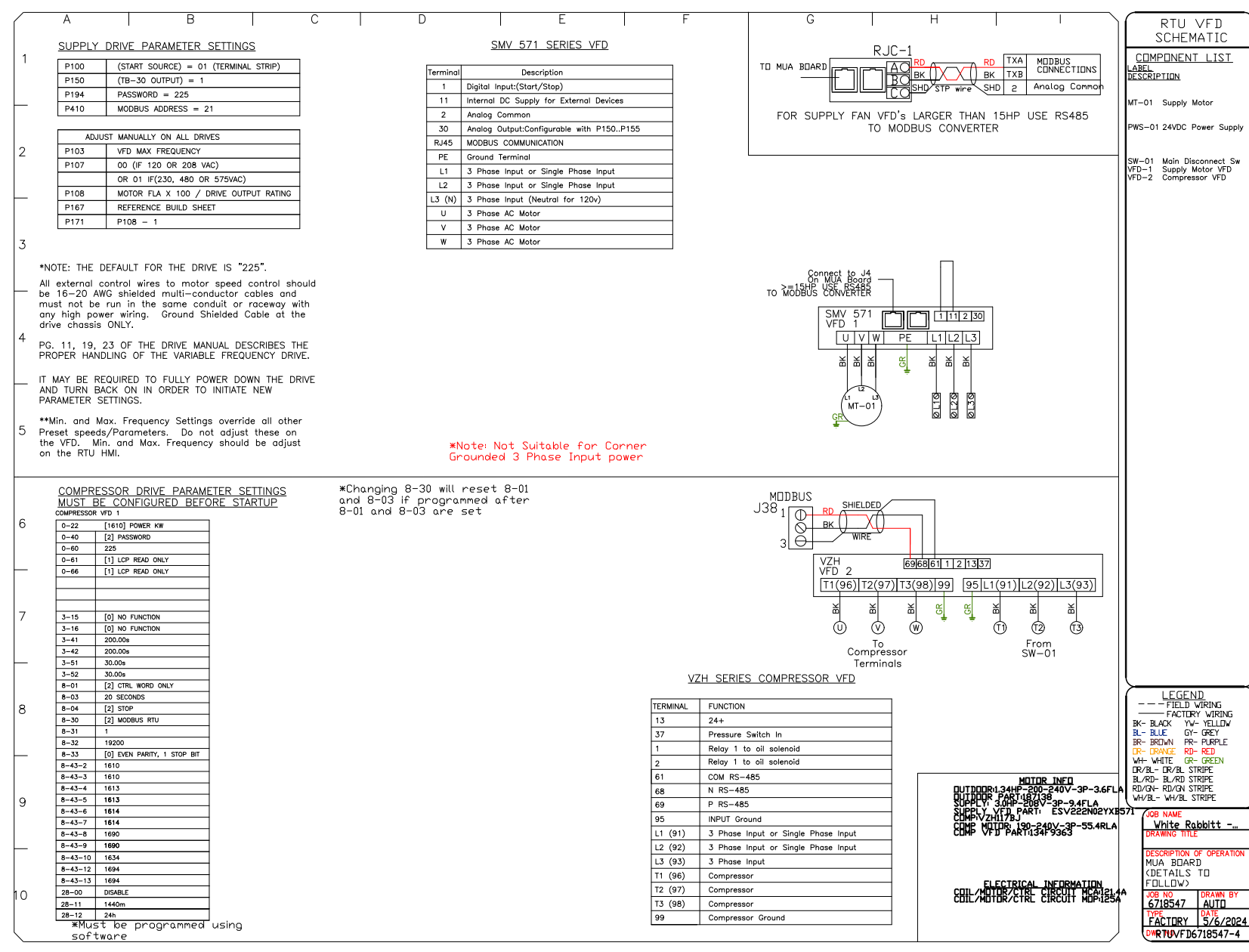
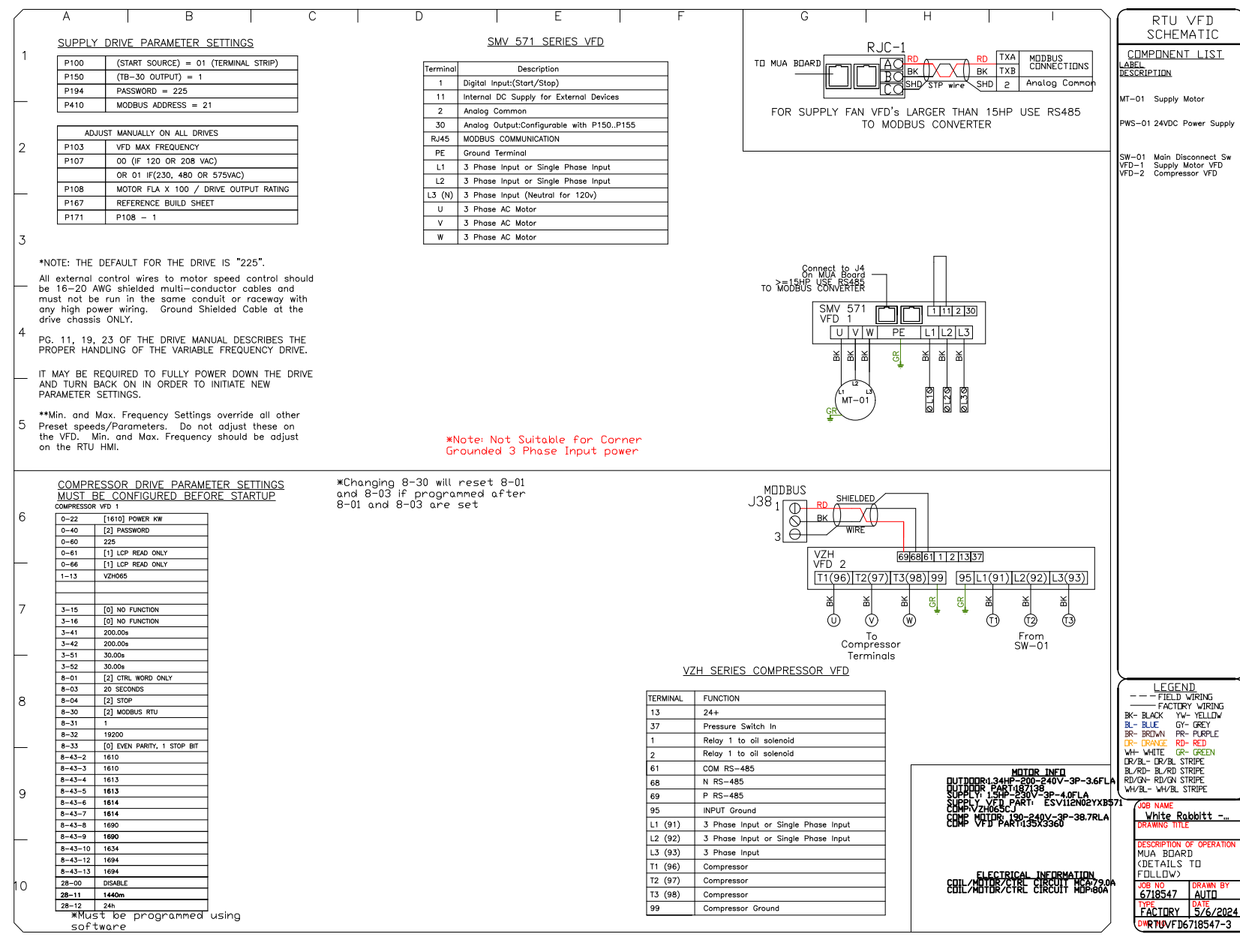
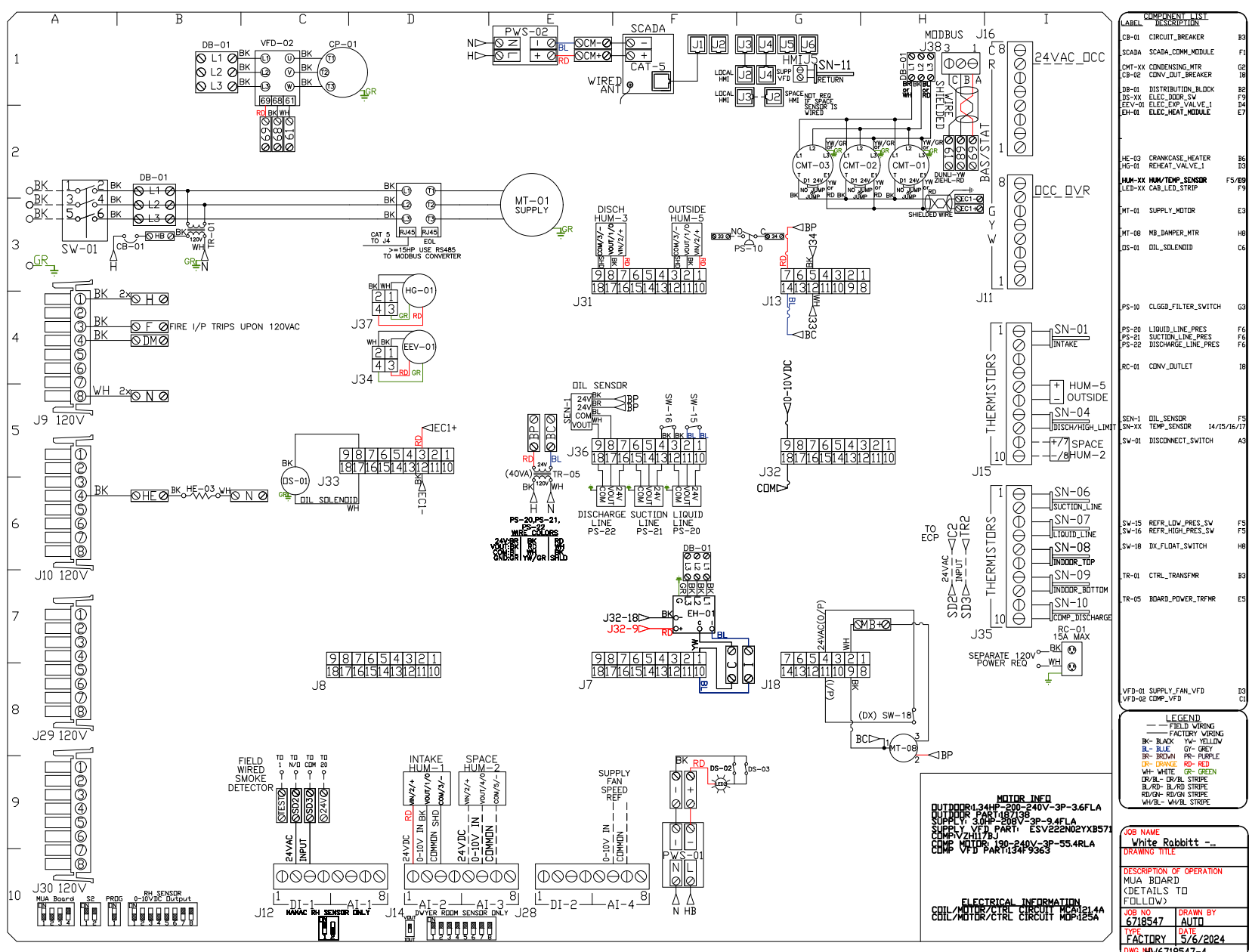
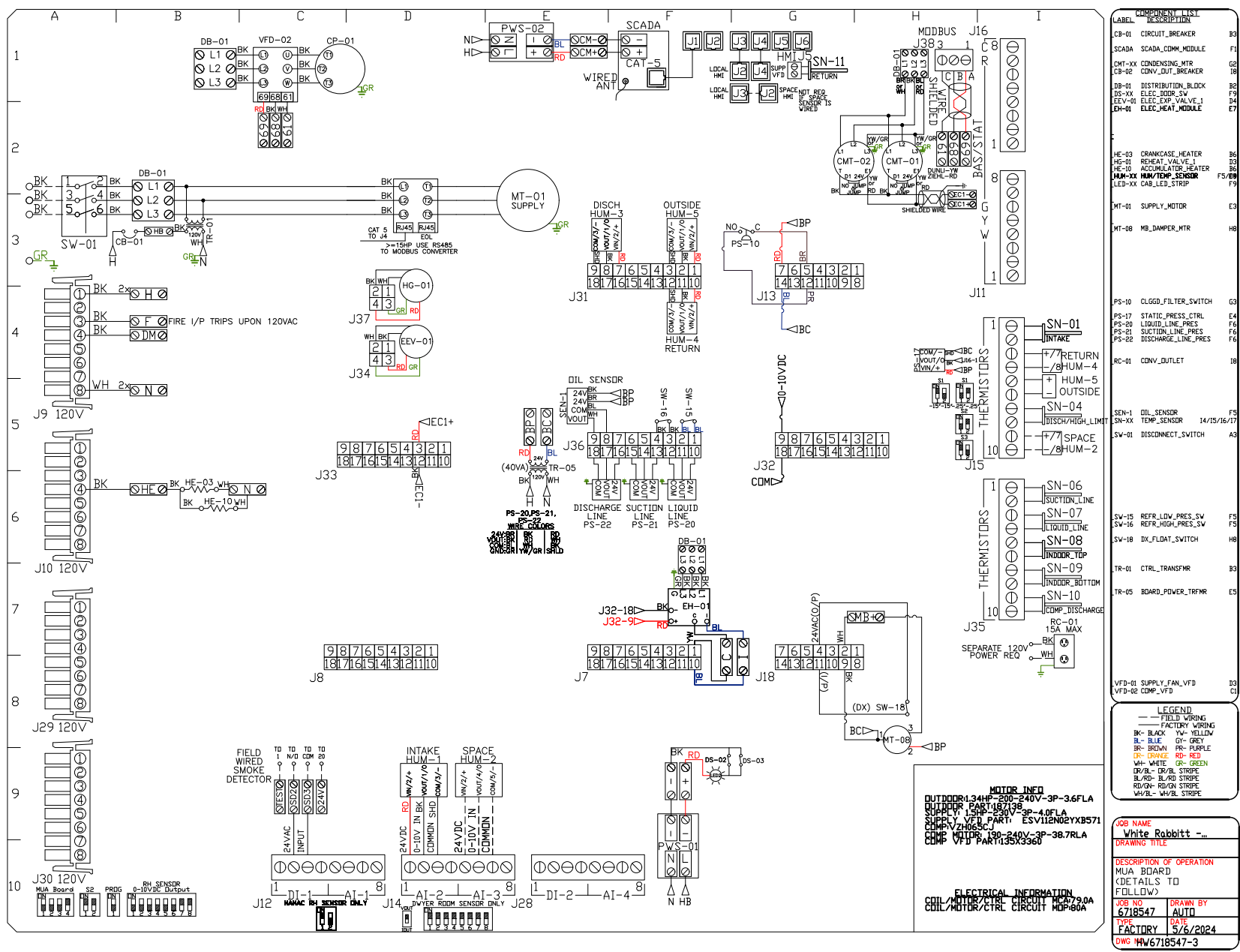
RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801

KITCHEN HOOD DETAILS



Drawing Number:
M707
Of Sheets

Issuance:
A/E Job Number:
22500



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DESCRIPTION	DATE

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White Rabbitt - Orlando, FL_R1
27 East Robinson Street,
Orlando, FL, 32801

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DRAWN BY: PAB
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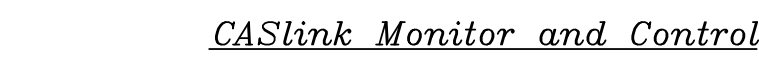
Revisions:
OWNER'S CHANGES - 07/25/25

Scale:	AS NOTED	Date:	Drawn By:	Checked By:
		04/08/2025	RNR	EAC

WHITE RABBIT RESTAURANT
RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801
KITCHEN HOOD DETAILS


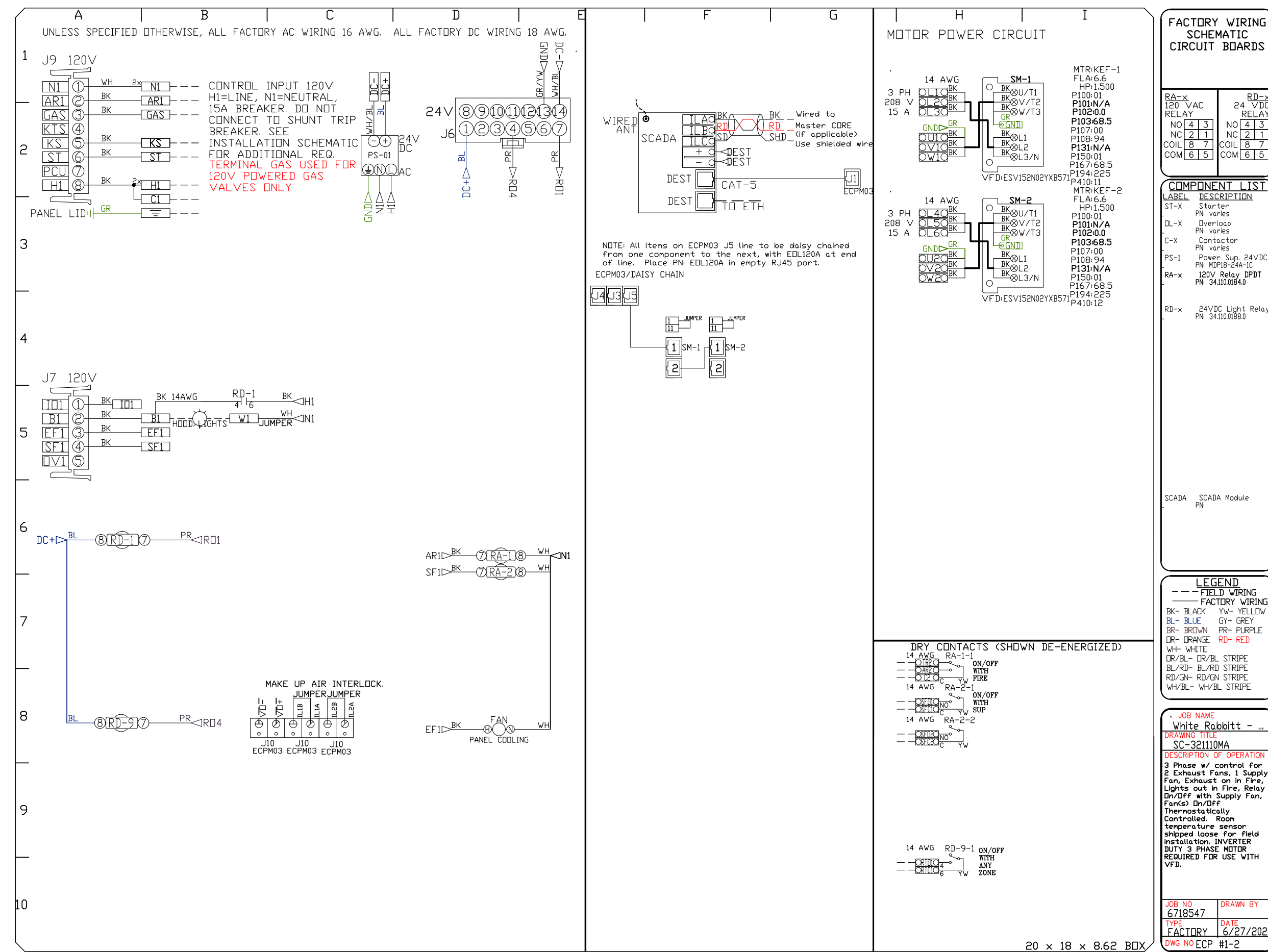
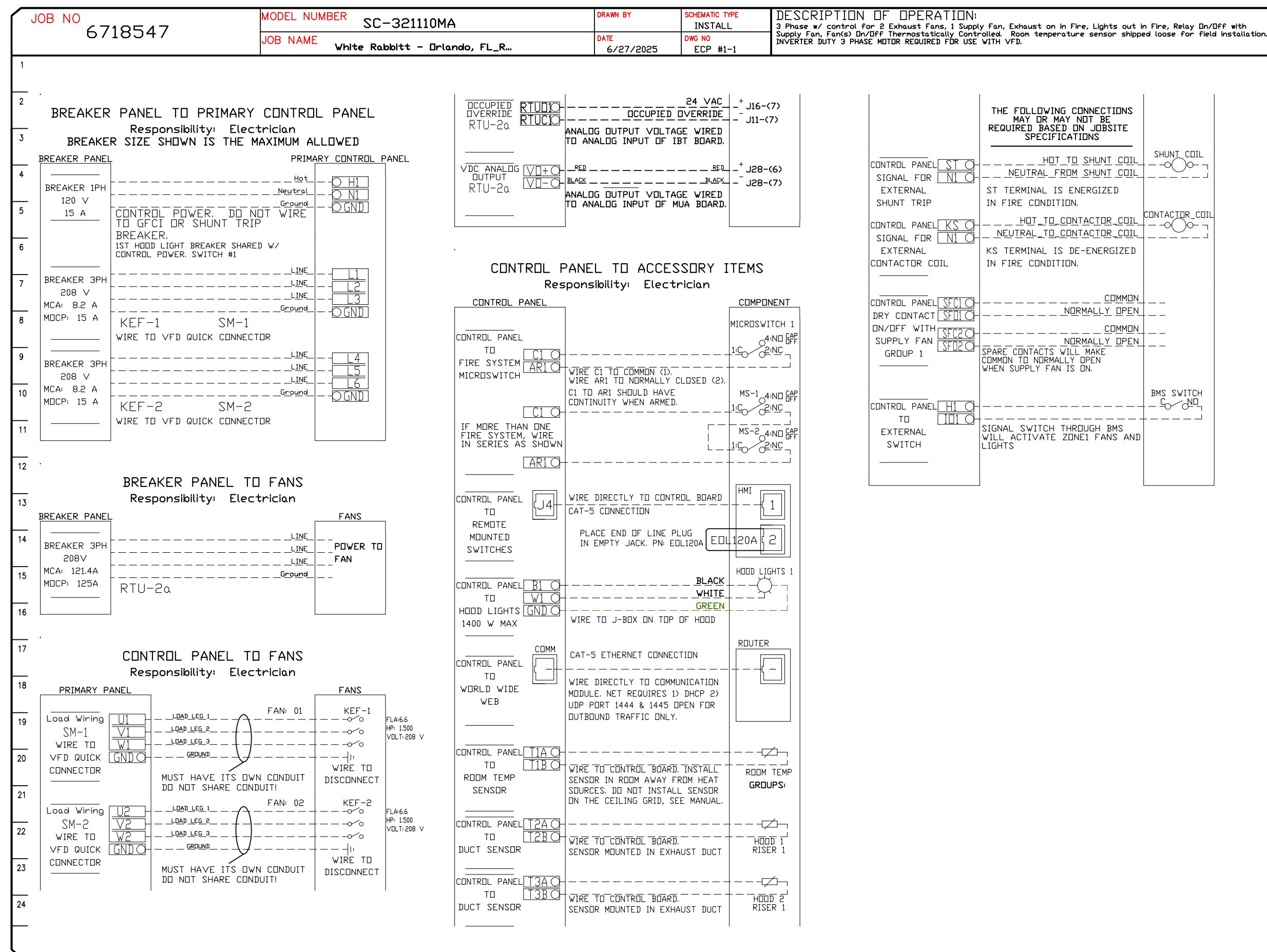
Certified Professional Engineer
ERIC ANDREW CROSS
No 85240
07/25/2025
STATE OF FLORIDA
Professional Engineer
Drawing Number:
M708
Of Sheets
Issuance:
A/E Job Number:
22500

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	Ø	HP	VOLTS	FLA
1	SC-32110MA	WALL MOUNT IN SS BOX	FACE MOUNT LEFT SIDE OF HOOD	1 LIGHT	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	KEF-1	EXHAUST	3	1,500	208	6.6	
			HOOD # 1	1 FAN		KEF-2a	EXHAUST	3	1,500	208	6.6	
						RTU-2a	SUPPLY	3	3,000	208	9.4	



- 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.

DCV Packages	Function	SC Packages	Function
Room Temperature	MONITOR	Room Temperature(s)	MONITOR
Duct Temperature(s)	MONITOR	Duct Temperature(s)	MONITOR
MUA Discharge Temperature	MONITOR	MUA Discharge Temperature	MONITOR
Richlen RTU Discharge Temperature	MONITOR	Richlen RTU Discharge Temperature	MONITOR
Fan Speed	MONITOR	Controller Faults	MONITOR
Fan Amperage	MONITOR	Fan Faults	MONITOR
Fan Power	MONITOR	Fan Status	MONITOR
YFD Faults	MONITOR	PCU Faults	MONITOR
Controller Faults	MONITOR	PCU Filter Clog Percentages	MONITOR
Fan Faults	MONITOR	Pipe Condition	MONITOR
Fan Status	MONITOR	CORE Pire System	MONITOR
PCU Faults	MONITOR	Building Pressures	MONITOR
PCU Filter Clog Percentages	MONITOR	Fans Button(s)	MONITOR & CONTROL
Pipe Condition	MONITOR	Lights Button(s)	MONITOR & CONTROL
CORE Pire System	MONITOR	Wash Button	MONITOR & CONTROL
Building Pressures	MONITOR		
Prep Time Button	MONITOR & CONTROL		
Fans Button	MONITOR & CONTROL		
Lights Button	MONITOR & CONTROL		
Wash Button	MONITOR & CONTROL		



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Central Florida Office
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Revisions:  OWNER'S CHANGES - 07/25/25

Scale:
AS NOTED

--	--

WHITE RABBIT RESTAURANT

RESTAURANT BUILD OUT
EAST ROBINSON STREET
ORLANDO, FL 32801

KITCHEN HOOD DETAILS

White Rabbitt - Orlando, FL_R1
27 East Robinson Street,
Orlando, FL, 32801

DATE: 6/27/2025

DWG.#:

DRAWN BY: PAB

SCALE:

MASTER DRAWING

SHEET NO

9

Certified By

ERIC ANDREW CROSS
 LICENSE
 No 85240
 ☆
 07/25/2025
 STATE OF
 FLORIDA

PROFESSIONAL ENGINEER

Drawing Number:

M709
9 Of Sheets

Issuance:

A/E Job Number:

22500

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SYSTEM DESIGN VERIFICATION (SDV)

IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. TYPICALLY, THE SDV WILL BE PERFORMED AFTER ALL INSPECTIONS ARE COMPLETE.

ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE. THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE. IF CAS SERVICE HAS TO RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK. SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP CHARGES.

DURING THE SDV, CAS SERVICE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER. SHOULD A RETURN TRIP BE REQUIRED, THE GENERAL CONTRACTOR AND APPROPRIATE SALES OFFICE WILL BE NOTIFIED. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER DISCREPANCIES.

REVISIONS

DESCRIPTION	DATE



Central Florida Office

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2901 W SR 434, Suite 101, Longwood, FL 32779

PHONE: (407) 682-0317

FAX: (407) 682-0317

White Rabbitt - Orlando, FL_R1
27 East Robinson Street,
Orlando, FL, 32801

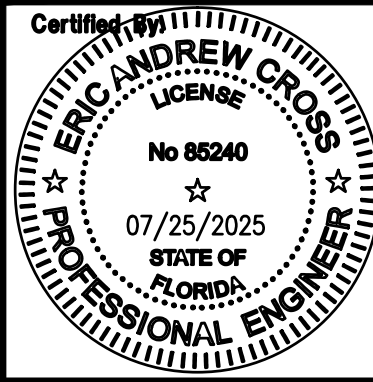
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DWG.#:	6718547
DRAWN BY:	PAB
SCALE:	3/4" = 1'-0"
MASTER DRAWING	
SHEET NO. 10	

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WHITE RABBIT RESTAURANT

RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801

KITCHEN HOOD DETAILS



Drawing Number:	M710
Of	10
Sheets	

Issuance:	A/E Job Number: 22500
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Revisions: OWNER'S CHANGES - 07/25/25

Scale:	AS	NOTED
Date:	04/08/2025	
Drawn By:	RNR	
Checked By:	EAC	



ARCHITECTURE

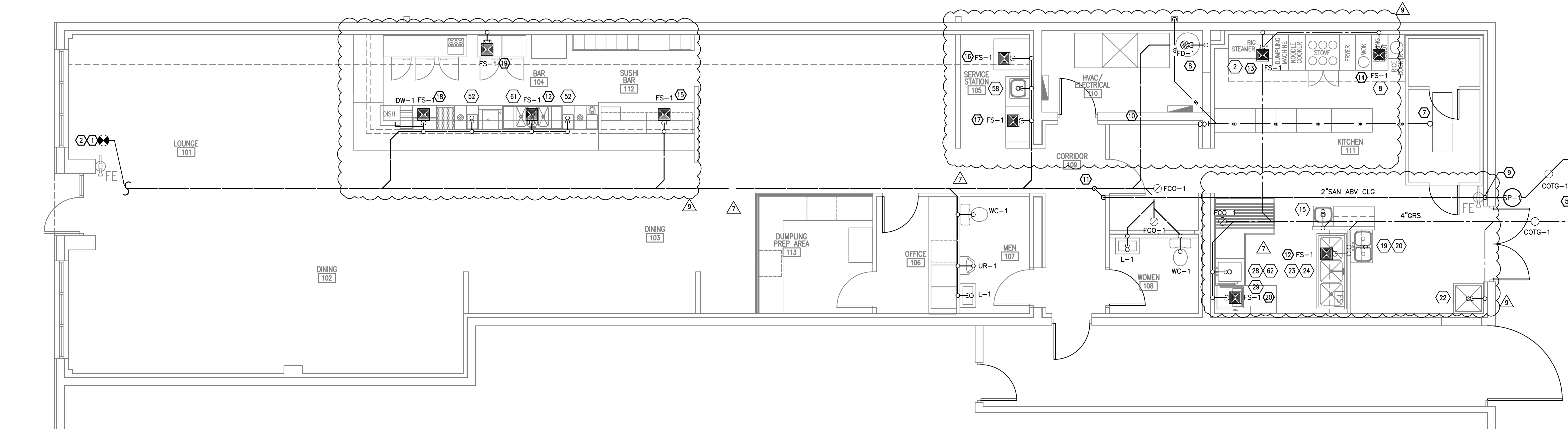
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AK26001097

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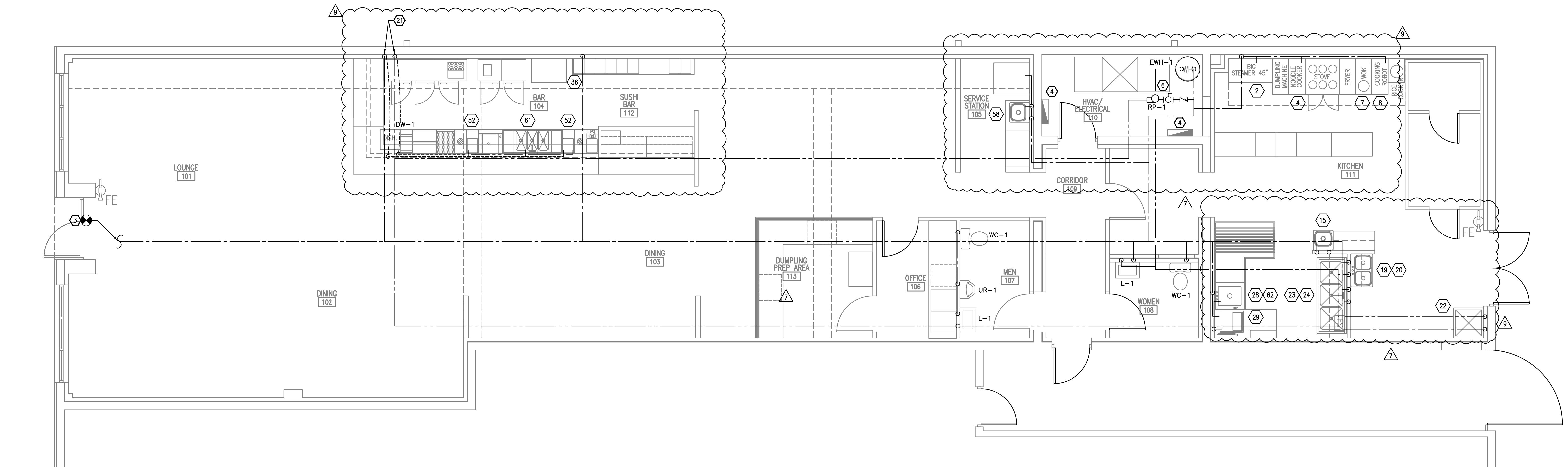
EQUIPMENT NOTE
1. KITCHEN EQUIPMENT PROVIDED BY TENANT. SEE ARCHITECTURAL PLANS FOR EQUIPMENT LAYOUT.

PLAN KEY NOTES:

1. CONNECT NEW 4" SANITARY LINE TO EXISTING 6" SANITARY LINE.
2. CONTRACTOR TO VERIFY SIZE, INVERT AND LOCATION OF EXISTING 6" SANITARY LINE. IF INVERT CANNOT BE MET, CONTRACTOR TO CONTACT ENGINEER OF RECORD TO COORDINATE SANITARY CONNECTION.
3. CONNECT NEW 1-1/2" CW TO EXISTING 2" CW LINE.
4. DO NOT INSTALL WATER PIPING ABOVE ELECTRICAL PANEL(S).
5. PROVIDE NEW GREASE INTERCEPTOR PER SCHEDULE ON SHEET P600.
6. REMOVE EXISTING WATER HEATER AND REPLACE WITH NEW ELECTRIC WATER HEATER. SEE PLUMBING FIXTURE SCHEDULE FOR SPECS.
7. COORDINATE SIZING OF WALK-IN-COOLER CONDENSATE WITH MANUFACTURER. ROUTE TO DOWNSPOUT AND CONNECT PER DETAIL ON SHEET P700. PROVIDE CLEANOUTS AT EACH CHANGE IN DIRECTION. PROVIDE HEAT TRACE FOR ALL CONDENSATE PIPING WITHIN FREEZERS.
8. DRAIN WATER HEATER T&P VALVE TO FLOOR DRAIN BELOW.
9. 2" PUMPED SANITARY UP TO CEILING SPACE.
10. 2" SANITARY DOWN WALL. EXACT ROUTING ABOVE CEILING, AND LOCATION OF DROP, SHALL BE DETERMINED IN THE FIELD TO COORDINATE WITH EXISTING UTILITIES.
11. PUMPED SANITARY TIE-IN TO BUILDING DRAIN. CONNECTION SHALL BE MADE TO TOP OF DRAINAGE PIPING WITH A WYE FITTING.
12. INDIRECTLY DRAIN 3 COMPARTMENT SINK TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
13. INDIRECTLY DRAIN GAS NOODLE COOKER TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
14. INDIRECTLY DRAIN AI COOKING ROBOT TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
15. INDIRECTLY DRAIN SUSHI DISPLAY CASE TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
16. INDIRECTLY DRAIN ICE MAKER TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
17. INDIRECTLY DRAIN SODA MACHINE TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
18. INDIRECTLY DRAIN ICE BIN TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
19. INDIRECTLY DRAIN DRAFT BEER/WINE DISPENSING TOWER TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
20. INDIRECTLY DRAIN DISHWASHER TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
21. ROUTE CW/HW PIPING OVERHEAD AND DOWN UNDER SLAB TO BAR PLUMBING FIXTURES.



1 PLUMBING SANITARY WASTE PLAN
SCALE: 1/4"=1'-0"



2 PLUMBING DOMESTIC WATER PLAN
SCALE: 1/4"=1'-0"

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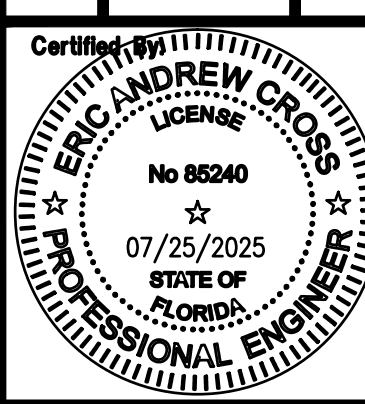


Revision: 04/10/25
OWNER'S CHANGES - 04/10/25
OWNER'S CHANGES - 07/25/25

Scale	AS NOTED	Date	Drawn By	Checked By
		04/11/2025	RNR	EAC

SPEC RESTAURANT
RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801

PLUMBING SANITARY WASTE AND DOMESTIC WATER PLAN



Drawing Number:
P300
Of Sheets
Issuance:
A/E Job Number:
22500

PLAN KEY NOTES:

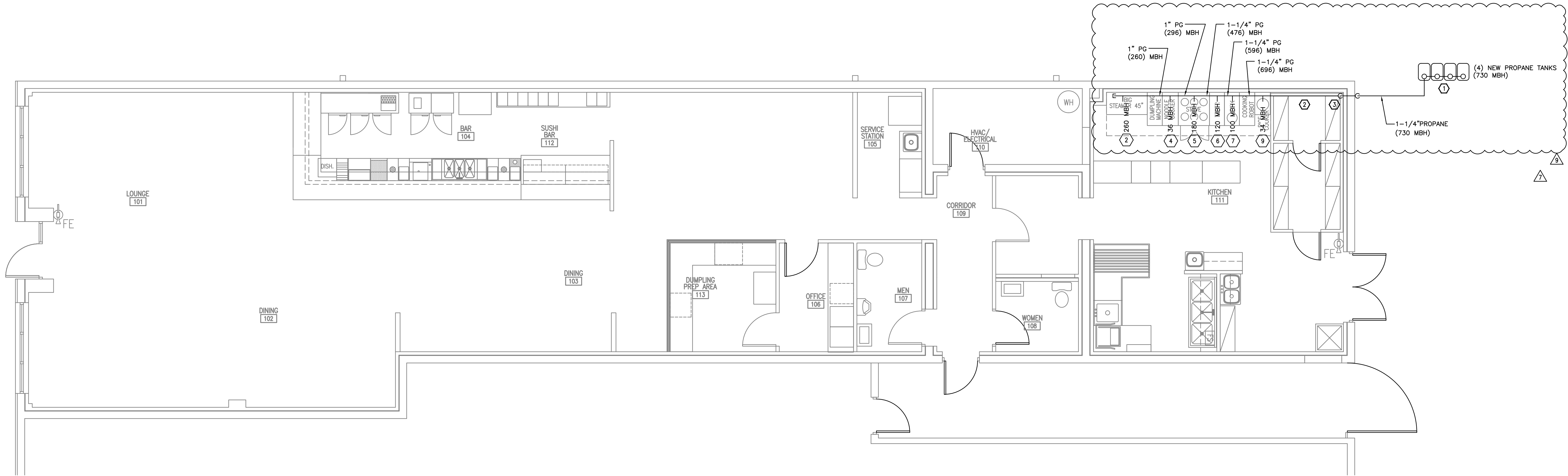
1. PROPANE TANKS PROVIDED AND SIZED BY UTILITY PROVIDER.
2. PROVIDE NEW GAS PIPING IN CEILING SPACE.
3. GAS PIPING STUBBED DOWN IN WALL FOR KITCHEN EQUIPMENT.

GAS PIPING SIZING NOTE

1. GAS PIPING SIZED PER THE 2023 FLORIDA FUEL GAS CODE, TABLE 402.4(27):
UNDILUTED PROPANE
INLET PRESSURE = 2.0 IN. W.C.
PRESSURE DROP = 1.0 IN. W.C.
SPECIFIC GRAVITY = 1.50
2. TOTAL ESTIMATED LENGTH OF LONGEST RUN = 50'
3. TOTAL ESTIMATED GAS LOAD = 730 MBH

EQUIPMENT NOTE

1. KITCHEN EQUIPMENT PROVIDED BY TENANT. SEE ARCHITECTURAL PLANS FOR EQUIPMENT LAYOUT.



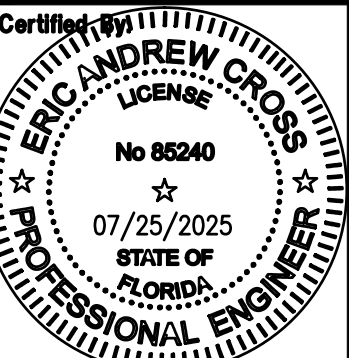
1 PLUMBING PROPANE GAS PLAN
P301
SCALE: 1/4"=1'-0"

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Revisions:
OWNER'S CHANGES - 04/10/25
OWNER'S CHANGES - 07/25/25

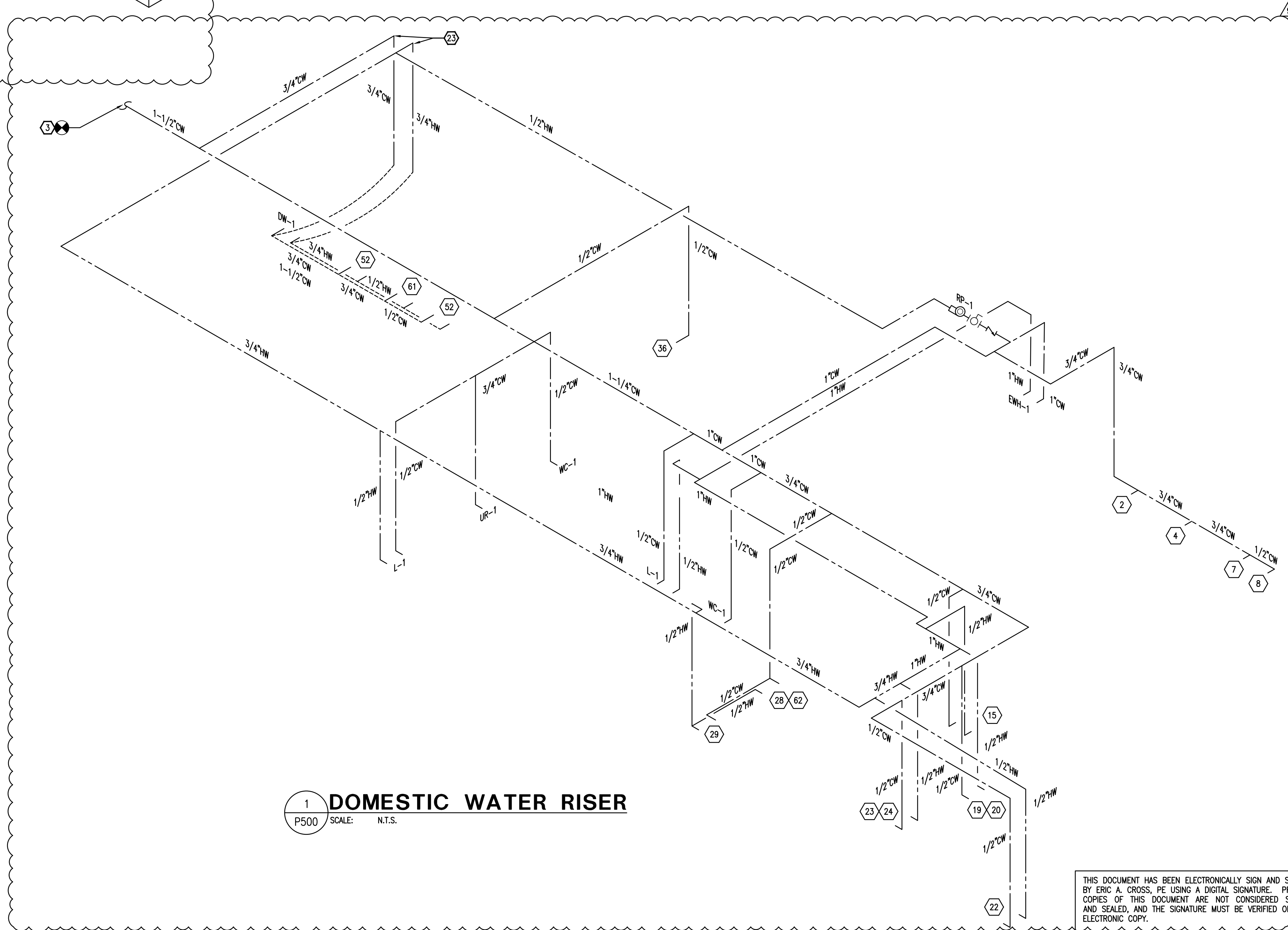
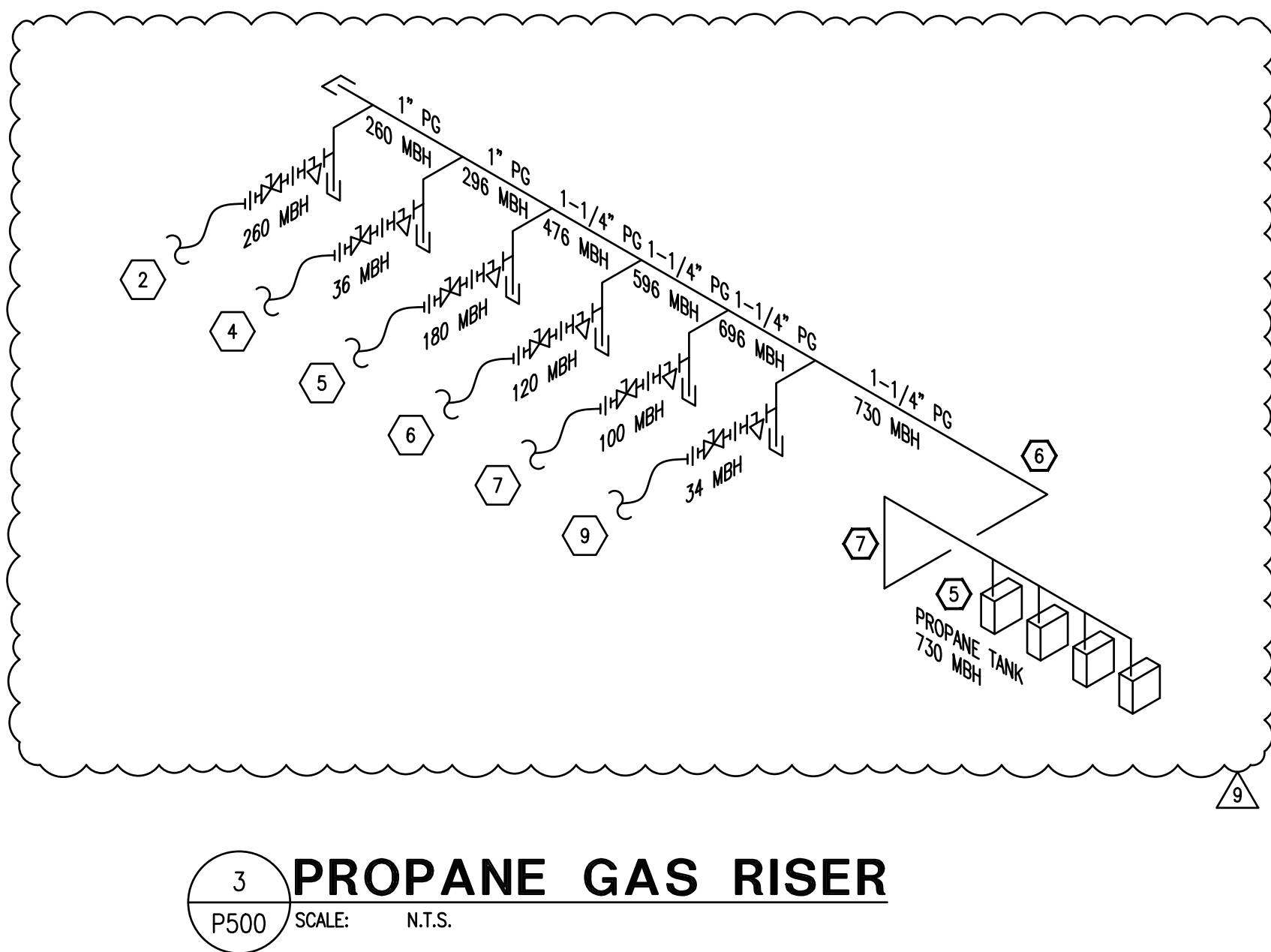
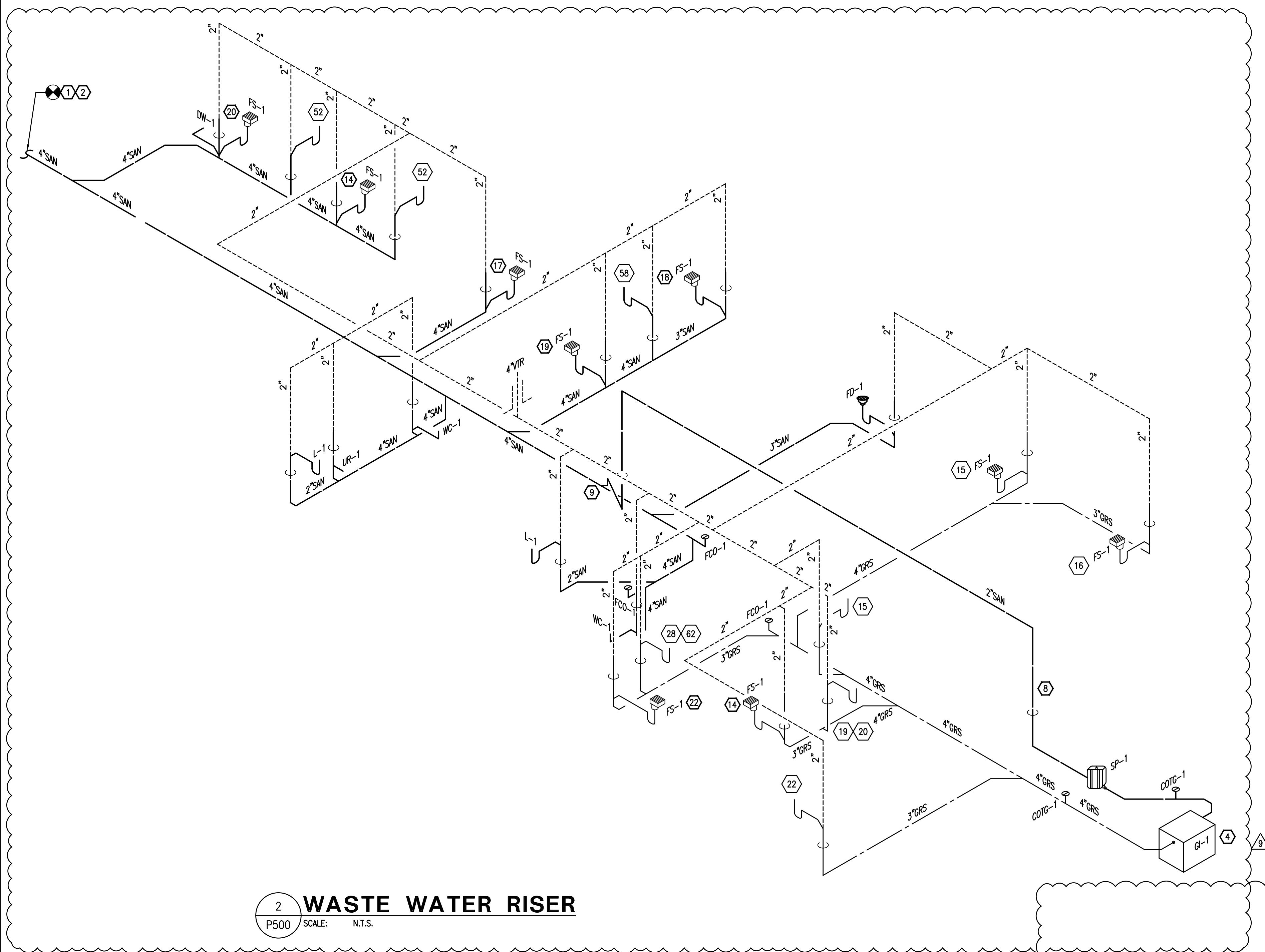
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Date:	04/11/2025
Drawn by:	RNR
Checked by:	EAC

△ SPEC RESTAURANT
RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801
PLUMBING PROPANE GAS PLAN



Drawing Number:
P301
Of Sheets


Issuance:
A/E Job Number:
22500



EQUIPMENT NOTE

1. KITCHEN EQUIPMENT PROVIDED BY TENANT. SEE ARCHITECTURAL PLANS FOR EQUIPMENT LAYOUT.

- RISER KEY NOTES:**
- CONNECT NEW 4" SANITARY LINE TO EXISTING 6" SANITARY LINE.
 - CONTRACTOR TO VERIFY SIZE, INVERT AND LOCATION OF EXISTING 6" SANITARY LINE. IF INVERT CANNOT BE MET, CONTRACTOR TO CONTACT ENGINEER OF RECORD TO COORDINATE SANITARY CONNECTION.
 - CONNECT NEW 1-1/2" CW TO EXISTING 2" CW LINE.
 - PROVIDE NEW GREASE INTERCEPTOR PER SCHEDULE ON SHEET P600.
 - PROPANE TANKS PROVIDED AND SIZED BY UTILITY PROVIDER.
 - PROVIDE NEW GAS PIPING IN CEILING SPACE.
 - GAS PIPING STUBBED DOWN IN WALL FOR KITCHEN EQUIPMENT.
 - REMOVE EXISTING WATER HEATER AND REPLACE WITH NEW ELECTRIC WATER HEATER. SEE PLUMBING FIXTURE SCHEDULE FOR SPECS.
 - COORDINATE SIZING OF WALK-IN-COOLER CONDENSATE WITH MANUFACTURER. ROUTE TO DOWNSPOUT AND CONNECT PER DETAIL ON SHEET P700. PROVIDE CLEANOUTS AT EACH CHANGE IN DIRECTION. PROVIDE HEAT TRACE FOR ALL CONDENSATE PIPING WITHIN FREEZERS.
 - DRAIN WATER HEATER T&P VALVE TO FLOOR DRAIN BELOW.
 - 2" PUMPED SANITARY UP TO CEILING SPACE.
 - 2" SANITARY DOWN WALL. EXACT ROUTING ABOVE CEILING, AND LOCATION OF DROP, SHALL BE DETERMINED IN THE FIELD TO COORDINATE WITH EXISTING UTILITIES.
 - PUMPED SANITARY TIE-IN TO BUILDING DRAIN. CONNECTION SHALL BE MADE TO TOP OF DRAINAGE PIPING WITH A WYE FITTING.
 - INDIRECTLY DRAIN 3 COMPARTMENT SINK TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
 - INDIRECTLY DRAIN GAS NOODLE COOKER TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
 - INDIRECTLY DRAIN AI COOKING ROBOT TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
 - INDIRECTLY DRAIN SLUSH DISPLAY CASE TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
 - INDIRECTLY DRAIN ICE MAKER TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
 - INDIRECTLY DRAIN SODA MACHINE TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
 - INDIRECTLY DRAIN ICE BIN TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
 - INDIRECTLY DRAIN DRAFT BEER/WINE DISPENSING TOWER TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
 - INDIRECTLY DRAIN DISHWASHER TO FLOOR SINK. PROVIDE WITH 2" AIR GAP.
 - ROUTE CW/HW PIPING OVERHEAD AND DOWN UNDER SLAB TO BAR PLUMBING FIXTURES.




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Orlando, Florida 32801
TEL: 407.365.6136
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Revision: 1. OWNER'S CHANGES - 04/10/25 2. OWNER'S CHANGES - 07/25/25			
Scale: AS NOTED	Date: 04/11/2025	Drawn By: RNR	Checked By: EAC

SPEC RESTAURANT

RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801

PLUMBING RISERS

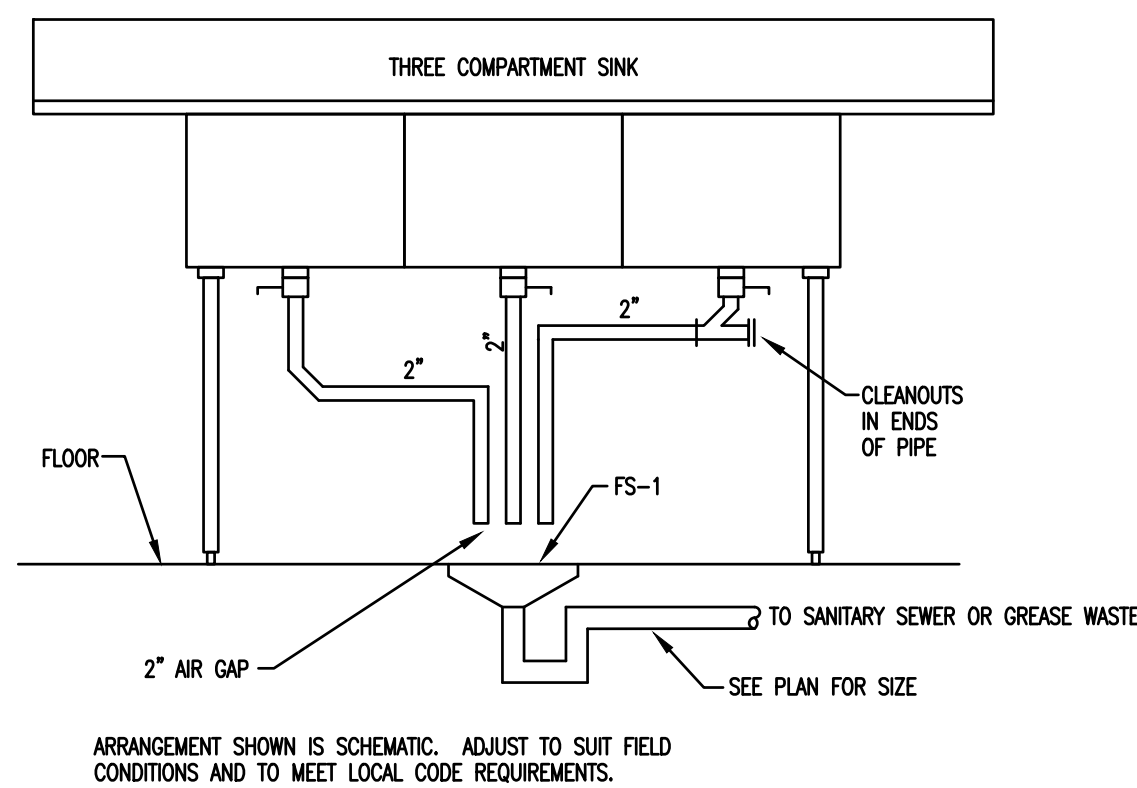


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P500
Of 1 Sheets

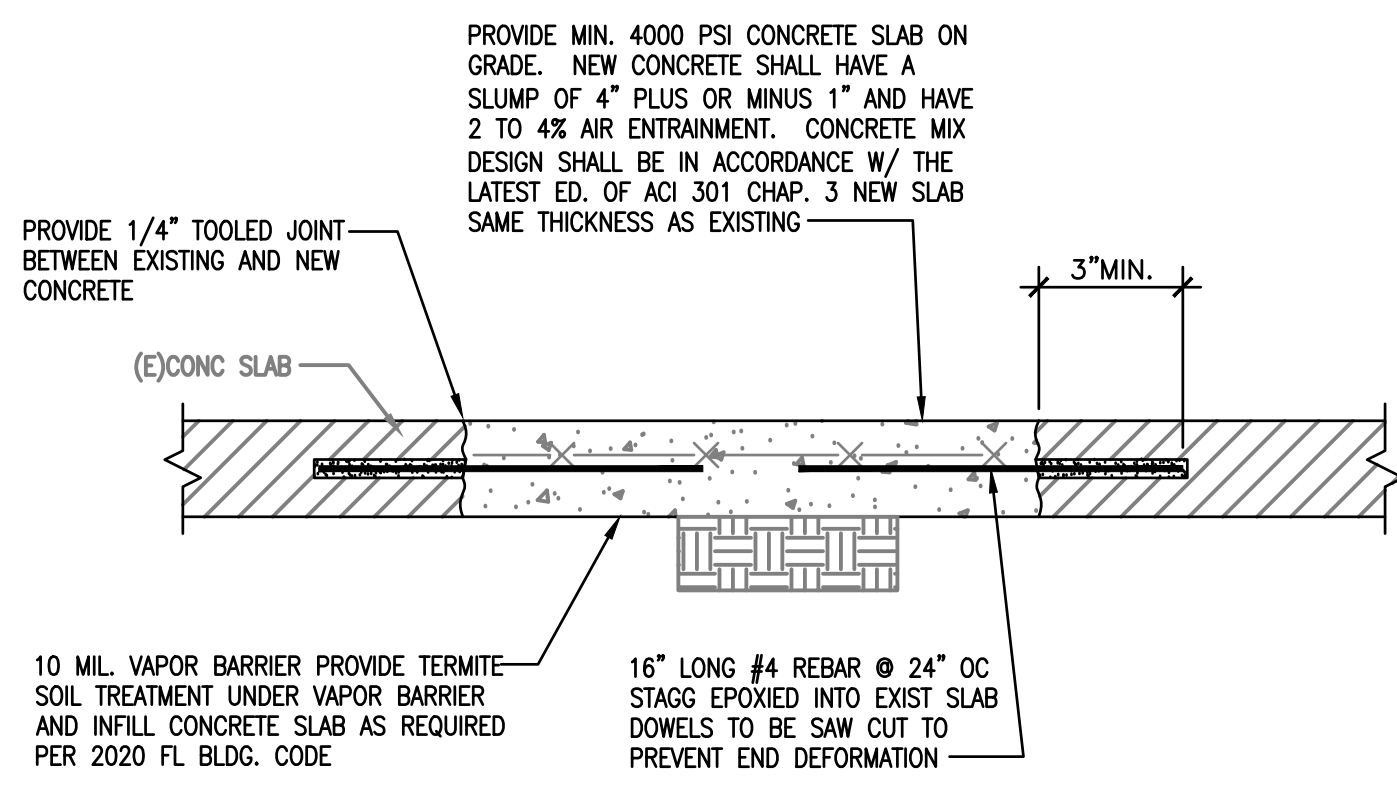
Issuance:
22500

A/E Job Number:
22500

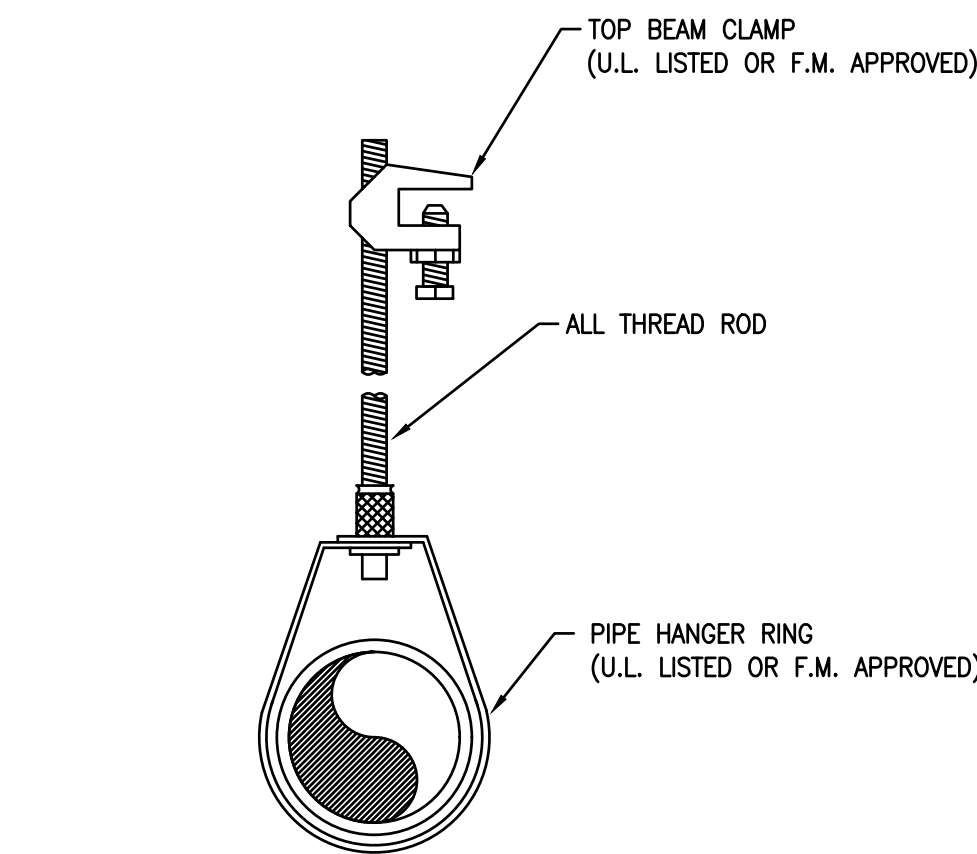
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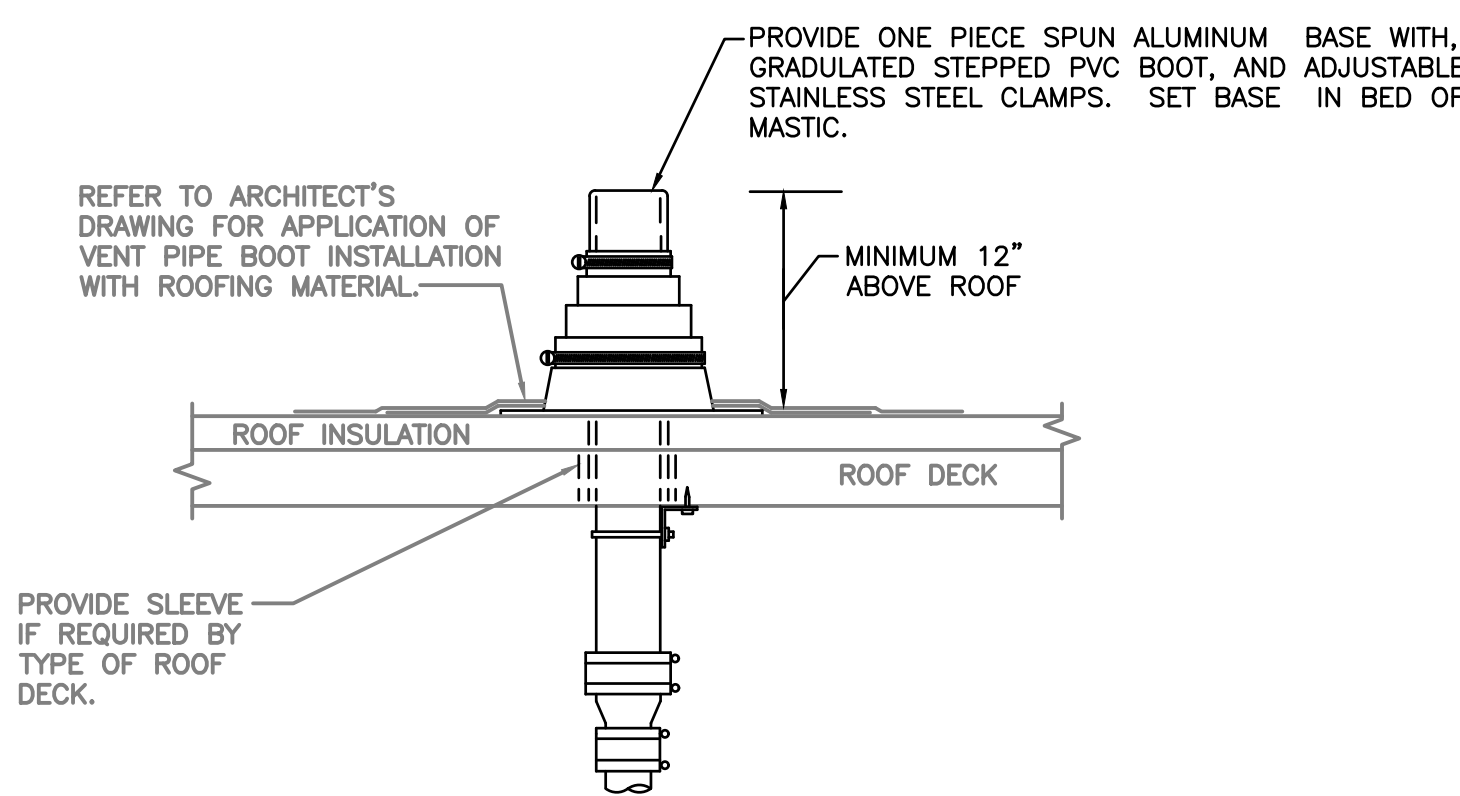
8 **3-COMPARTMENT SINK DETAIL**
P600 SCALE: N.T.S.



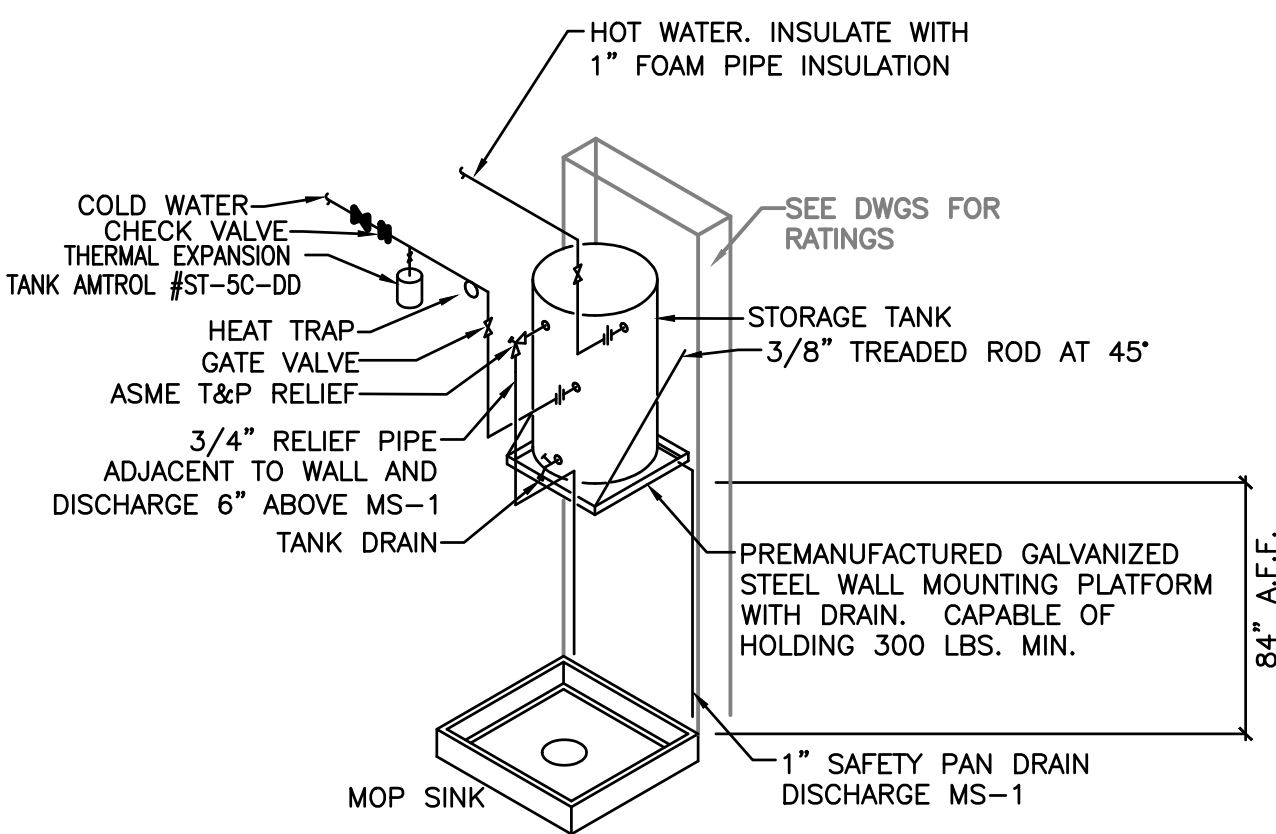
4 **TRENCH INFILL DETAIL**
P600 SCALE: N.T.S.



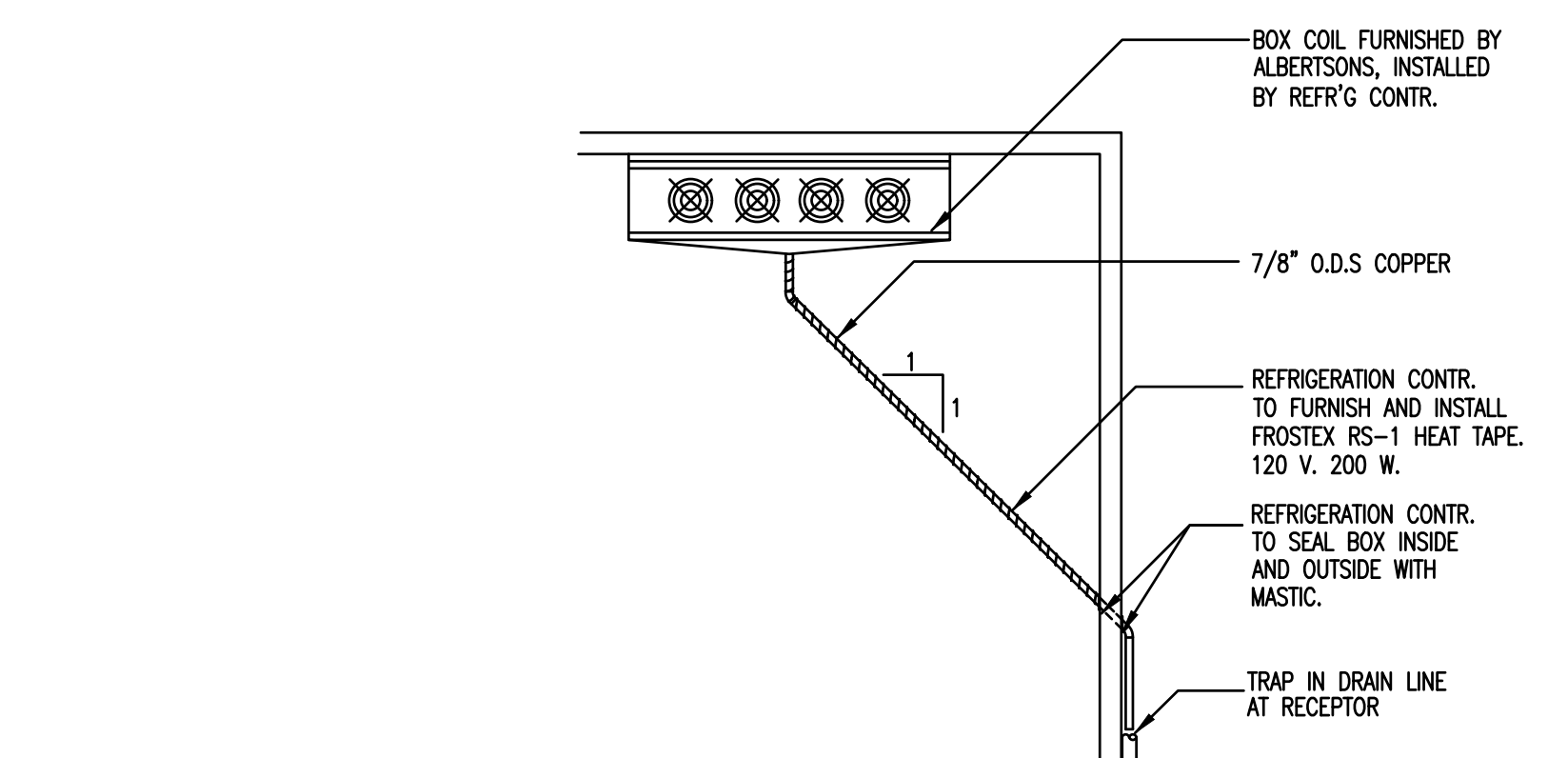
1 **PIPE HANGER DETAIL**
P600 SCALE: N.T.S.



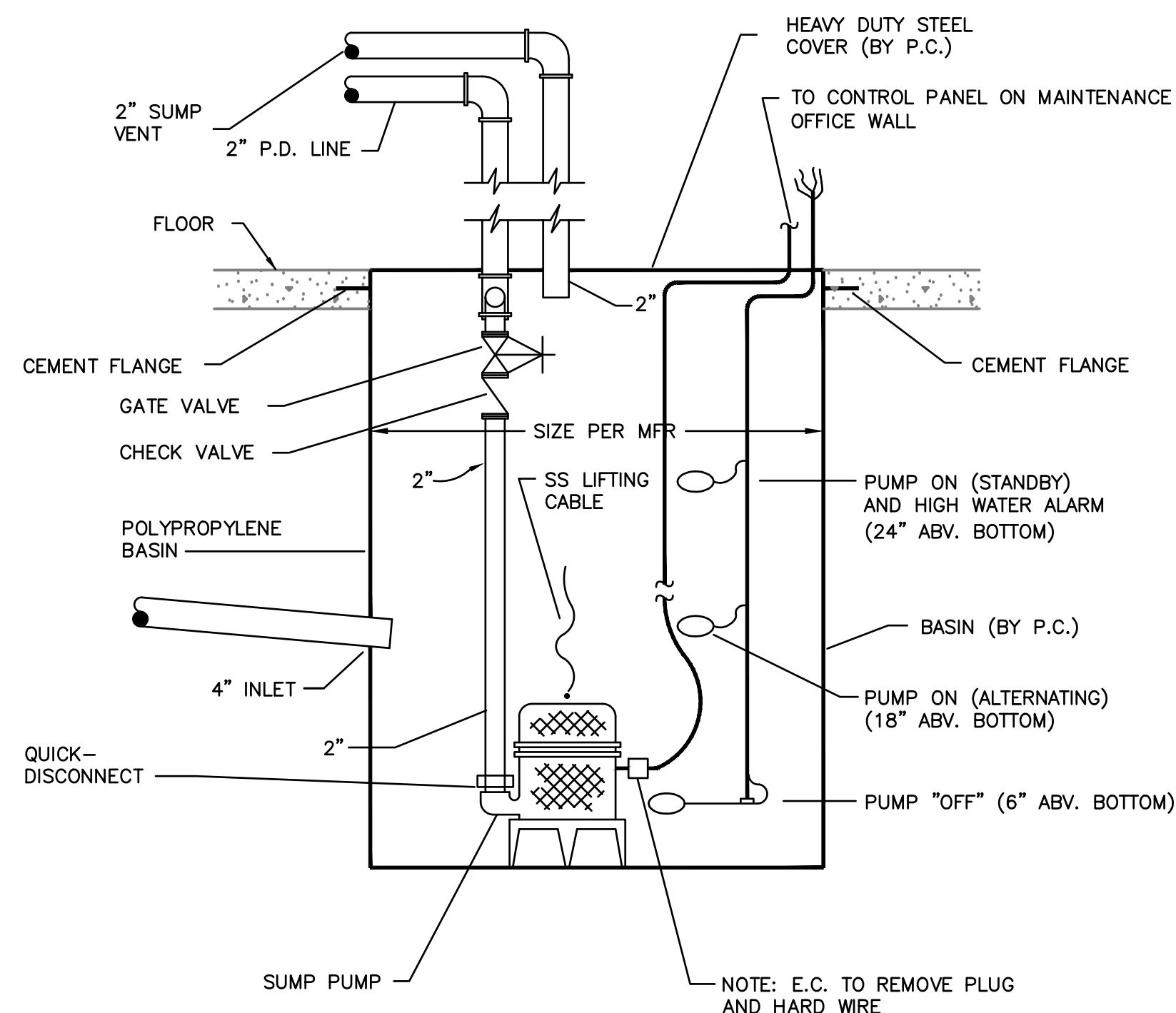
5 **VENT THRU ROOF DETAIL**
P600 SCALE: N.T.S.



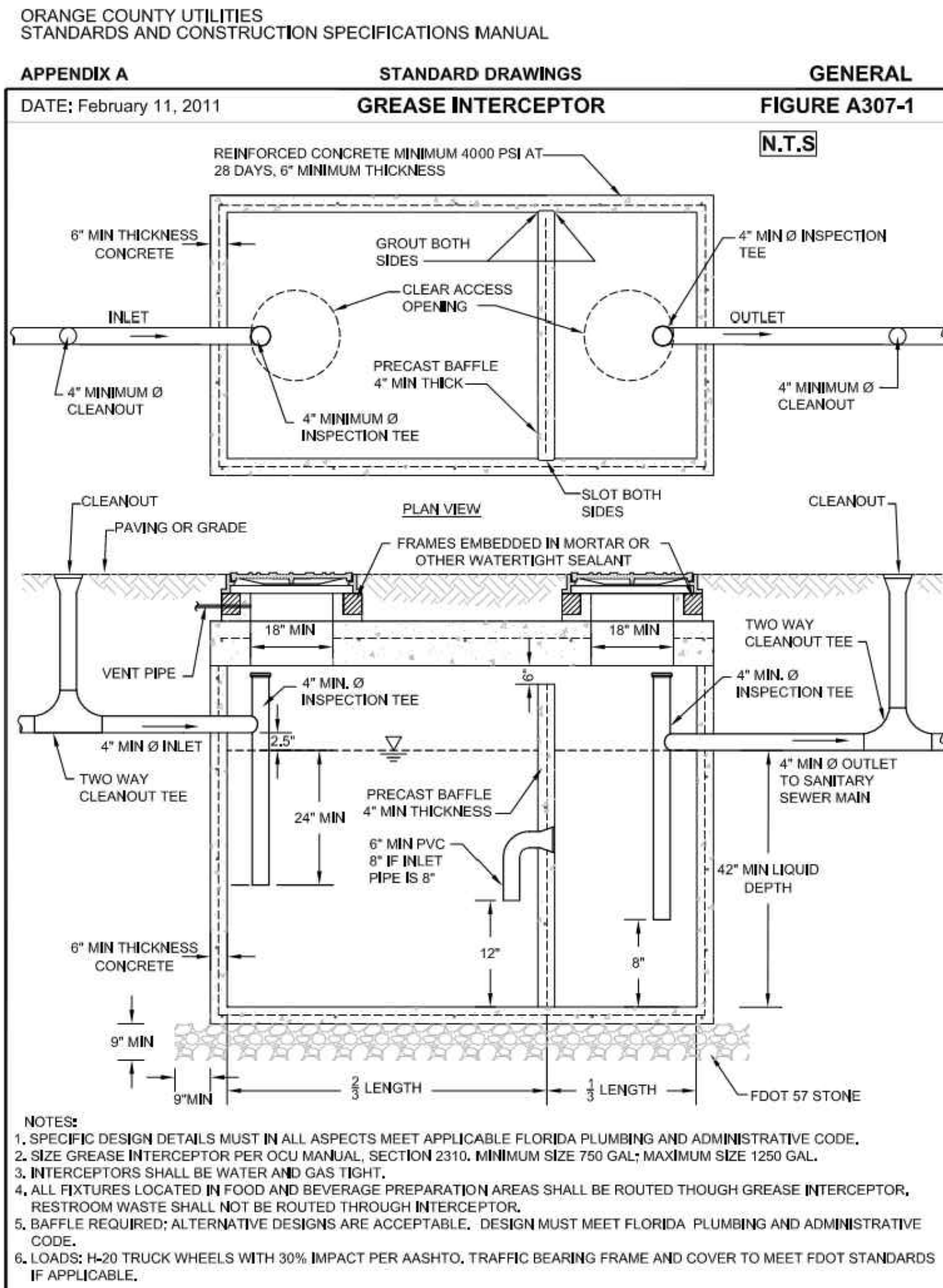
2 **WATER HEATER DETAIL**
P600 SCALE: N.T.S.



6 **WALK-IN COOLER DRAIN PIPING DETAIL**
P600 SCALE: N.T.S.



7 **SUMP PUMP DETAIL**
P600 SCALE: N.T.S.



3 **GREASE TRAP WITH BAFFLE DETAIL**
P600 SCALE: N.T.S.

GAS EQUIPMENT SCHEDULE				
TAG	DESCRIPTION	GAS CONN. SIZE	QTY.	TOTAL INPUT (BTUH)
②	STEAMER	1/2"	1	260,000
④	NOODLE COOKER	3/4"	1	36,000
⑤	6 BURNER STOVE	3/4"	1	180,000
⑥	DEEP GAS FRYER	1/2"	1	120,000
⑦	CHINA WOK	1-1/2"	1	100,000
⑨	RICE COOKER	1/2"	1	34,000
TOTAL GAS LOAD (BTUH)				730,000
GAS NOTES				
1. REFER TO EQUIPMENT PRODUCT DATA FOR EXACT LOCATIONS OF FIXTURES, REQUIRED BTUH, ROUGH-IN HEIGHTS, AND ADDITIONAL INFORMATION.				
2. PLUMBING CONTRACTOR SHALL PROVIDE GAS PIPING TO KITCHEN EQUIPMENT. SUPPLIER SHALL FURNISH GAS REGULATORS AND RESTRAINING DEVICES FOR EACH GAS CONSUMING APPLIANCE. THE GAS REGULATING VALVES SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR AND ALL GAS CONSUMING EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.				
3. PLUMBING CONTRACTOR SHALL PROVIDE GAS PIPING TO ROOFTOP EQUIPMENT. RTU AND/OR MUA SUPPLIERS SHALL FURNISH GAS REGULATORS AND RESTRAINING DEVICES FOR EACH GAS UNIT. THE GAS REGULATING VALVES SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR AND SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.				
4. PLUMBING CONTRACTOR SHALL PROVIDE GAS PIPING TO PLUMBING EQUIPMENT. WATER HEATER SUPPLIER SHALL FURNISH GAS REGULATORS AND RESTRAINING DEVICES FOR EACH GAS UNIT. THE GAS REGULATING VALVES SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR AND SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.				
5. PLUMBING CONTRACTOR SHALL PROVIDE SHUT-OFF VALVES AND FLEXIBLE CONNECTORS WITH QUICK DISCONNECTS FOR EACH GAS CONSUMING APPLIANCE. COORDINATE WITH KITCHEN EQUIPMENT SUPPLIER.				
6. GAS PIPING SHALL BE PROVIDED IN ACCORDANCE WITH THE 2023 FLORIDA FUEL GAS CODE.				
7. GAS SERVICES SHALL BE CONNECTED TO EQUIPMENT WITH STAINLESS STEEL FLEXIBLE HOSES. BRANCH TAPS SHALL BE MADE OFF THE TOP OF THE PIPING. GAS FITTINGS AND HOSES SHALL BE A.G.A. APPROVED FOR COMMERCIAL KITCHEN EQUIPMENT. GAS AND WATER HOSES SHALL BE COVERED WITH A THICK FIRE-RESISTANT PLASTIC OR POLY-COATING.				
8. FUEL GAS SERVICES SHALL BE SIZED TO SUPPLY THE REQUIRED BTUH INDICATED TO THE EQUIPMENT AT PRESSURES AS SHOWN ON DRAWINGS. PROVIDE PRESSURE REGULATORS AS REQUIRED.				
9. INSTALLING SUBCONTRACTOR SHALL BE LICENSED FOR THE INSTALLATION OF NATURAL GAS.				
10. GAS PIPING SHALL BE SCHEDULE 40, ASME B36.10. PIPING JOINTS SHALL BE THREADED (4" PIPE OR LESS) OR WELDED. FITTINGS SHALL BE STEEL OR MALLEABLE IRON.				
11. CONNECTION AT EACH GAS APPLIANCE SHALL INCLUDE AN INVERTED TRAP, GAS COCK, UNION, AND DIRT LEG.				
12. GAS PIPING SHALL BE INSPECTED, TESTED, AND PURGED IN PER THE 2023 FLORIDA FUEL GAS CODE.				
13. ALL GAS EQUIPMENT SHALL BE A.G.A. APPROVED.				
14. GAS PIPING OUTSIDE THE BUILDING SHALL BE PAINTED BLACK WITH RUST-PROOF PAINT, THEN (IF AGAINST BUILDING) PAINTED TO MATCH BUILDING EXTERIOR. GENERAL CONTRACTOR SHALL PAINT EXPOSED PIPING IN CUSTOMER AREA.				
15. GAS PIPING SHALL BE HUNG TIGHT TO ROOF STRUCTURE, AS SHOWN ON THE PLAN, AND SUPPORTED WITH HANGERS.				

PLUMBING FIXTURE SCHEDULE						
MARK	FIXTURE	SOIL/WASTE	VENT	HW	OW	BASIS OF DESIGN
L-1	WALL HUNG VITREOUS CHINA A.D.A.	2"	2"	1/2"	1/2"	AMERICAN STANDARD #0355, A.S. 7385 SINGLE LEVER FAUCET, SUPPLIES, STOPS, P-TRAP, ADA TRAP WRAP (WHITE INSULATION KIT), TMV-1
WC-1	WATER CLOSET	4"	2"	-	1/2"	AMERICAN STANDARD CADET RIGHT HEIGHT, MODEL #2467.016, RM @ 16.3", ADA, ELONGATED, FLOOR MOUNTED, 1.6 GPF, PRESSURE ASSIST, WHITE OPEN-FRONT SEAT
TMV-1	THERMOSTATIC MIXING VALVE	-	-	1/2"	1/2"	ZURN: ZW1070XL ASSE1070 SET TO 110°F
TMV-2	THERMOSTATIC MIXING VALVE	-	-	1/2"	1/2"	ZURN: ZW1017XL OR LAWLER: TMM-1070
MS-1	THERMOPLASTIC 24"x24"x10" MOP SINK	3"	2"	1/2"	1/2"	FIAT #MSB2424, SPEAKMAN #SC-5812 SERVICE FAUCET, WALL BRACE, VACUUM BREAKER
FCO-1	UNFINISHED AREAS FLOOR CLEAN-OUT	4"	-	-	-	J.R. SMITH: 4239L WADE: W6000Z ZURN: Z1400HD
EDW-1	ELECTRIC WATER HEATER 40 GALLONS	-	-	3/4"	3/4"	RHEEM PROE40 M2 RH85, 240V/1Φ, DUAL 4.5 KW, NON-SIMULTANEOUS ELEMENTS, DRAIN PAN T/P RELIEF VALVE, EXPANSION TANK, STAND, TANK DRAIN VALVE
MS-1	THERMOPLASTIC 24"x24"x10" MOP SINK	3"	2"	1/2"	1/2"	FIAT #MSB2424, SPEAKMAN #SC-5812 SERVICE FAUCET, WALL BRACE, VACUUM BREAKER
UR-1	URINAL	2"	2"	-	3/4"	KOHLER: K-4991-ET, RM @ 17", ADA, SIPHON-JET, INLET SPUD, WALL MOUNTED, 1/8 GPF, CHROME PLATED MANUAL FLUSH VALVE
GI-1	GREASE INTERCEPTOR	4"	-	-	-	SHALL BE PROVIDED PER 2020 FBC REQUIREMENTS 1250 GALLON CAPACITY
FD-1	FLOOR DRAIN WITH TRAP PRIMER	4"	-	-	1/2"	ZURN: Z415, TYPE B ROUND STRAINER, ZURN: Z1400, ROUND WITH NICKEL BRONZE COVER ZURN: Z1469, ROUND STAINLESS
COTG-1	OUTSIDE AREAS TWO WAY CLEAN-OUT TO GRADE	6"	-	-	-	J.R. SMITH: 4239L WADE: W6000Z ZURN: Z1400HD INSTALL IN 24"x24"x4" CONCRETE PAD. TOP OF PAD ELEVATION TO BE 2" ABOVE FINISHED GRADE.
FS-1	PORCELAIN COATED CAST IRON SQUARE, 6" DEPTH	3"	-	-	-	J.R. SMITH: #3100-PDBS WADE: W-9110-64 ZURN: Z2-1910-32 BOTTOM DOME STRAINER
DW-1	DISHWASHER	3/4"	-	3/8"	3/8"	GE: GDT226SSLS, ADA, 120/1/60 FLA-8.9A, MOOP-15A, STAINLESS STEEL
NOTES:						
1. MAKE AND MODELS LISTED ARE THE BASIS OF DESIGN CONTRACTOR MAY SUBMIT OTHERS FOR APPROVAL.						

WATER HAMMER ARRESTOR SCHEDULE

PIPE SIZE	PDI SIZE	FIXTURE UNIT RANGE	MANUFACTURER AND PART NUMBER
1/2"	A	1-11	PPP #SC-500A WILKINS #1250-A WATTS #LF15M2-A
3/4"	B	12-32	PPP #SC-750B WILKINS #1250-B WATTS #LF15M2-B
1"	C	33-60	PPP #SC-1000C WILKINS #1250-C WATTS #LF15M2-C
1-1/4"	D	61-113	PPP #SC-1250D WILKINS #1250-D WATTS #LF15M2-D
1-1/2"	E	114-154	PPP #SC-1500E WILKINS #1250-E WATTS #LF15M2-E
2"	F	155-330	PPP #SC-2000F WILKINS #1250-F WATTS #LF15M2-F

WATER HAMMER ARRESTOR NOTES:
1. AIR CHAMBERS ARE NOT AN ACCEPTABLE EQUAL TO WATER HAMMER ARRESTORS AND SHALL NOT BE INSTALLED.
2. SIZE PER MANUFACTURER'S RECOMMENDATIONS

GREASE INTERCEPTOR CALCULATION

SIZING PER 2020 FLORIDA PLUMBING CODE, FLORIDA ADMINISTRATIVE CODE 64E-6.013					
NUMBER OF SEATS IN DINING AREA	(GS) GALLONS OF WASTEWATER PER SEAT*	(HR) HOURS OF OPERATION PER DAY	(LF) LOADING FACTOR**	MINIMUM REQUIRED CAPACITY (GALLONS)	
83	20	12	0.75	$(S) \times (GS) \times (HR) \times (LF)$ $83 \times 20 \times 12 \times 0.75 = 1245$	
CAPACITY PROVIDED: (1) 1,250 GALLON = 1,250 GALLON TOTAL CAPACITY					
(GS) GALLONS OF WASTEWATER PER SEAT:				NOTES:	
ORDINARY RESTAURANT - 25				1. TENANT-SPECIFIC SIZING CALCULATION SHALL BE REQUIRED IN FUTURE TENANT IMPROVEMENT PACKAGE TO CONFIRM SIZING COMPLIANCE.	
BAR AND COCKTAIL LOUNGE - 20					
SINGLE-SERVICE ARTISAN RESTAURANT - 10					
(LF) LOADING FACTOR:					
INTERSTATE HIGHWAYS - 2.0					
OTHER FREEWAYS - 1.5					
RECREATIONAL AREAS - 1.25					
MAIN HIGHWAYS - 1.0					
OTHER ROADS - 0.75					

RECIRCULATING PUMP SCHEDULE

MARK	GPM	HEAD	MOTOR	MANUFACTURER OR PRE-APPROVED EQUAL
RP-1	1.0	5	1/25 H.P. 115/1/60	GRUNDFOS #UPS15-58/FC; SET TO SPEED 3

CIRCULATOR PUMP NOTE:
1. FURNISH WITH GRUNDFOS PRODUCT #519756 ISOLATION VALVE SET.

SUMP PUMP SCHEDULE

MARK	GPM (RATED)	GPM @ 15' HEAD	MOTOR	MANUFACTURER OR PRE-APPROVED EQUAL
SP-1	115 @ 10' HEAD	107	1/2 H.P. 115/1/60, 15A	LITTLE GIANT #WS50H

THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGN AND SEALED BY ERIC A. CROSS, PE USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED, AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPY.



OWNER'S CHANGES - 04/10/25
CITY CHANGES - 05/28/25
OWNER'S CHANGES - 07/25/25
NEW TENANT CHANGES - 09/04/2025

Scale: AS NOTED
Date: 04/17/2025
Drawn by: RNR
Checked by: EAC

JIANG'S KITCHEN
RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801

PLUMBING SCHEDULES AND DETAILS



Drawing Number:
P600
Of Sheets
Issuance:

A/E Job Number:
22500

PANELBOARD: TOTAL LOAD (NEW)										EQUIPMENT GROUND BUS RATED									
BUS AMPS: 600A										AFCI RATING: 42000 FULLY RATED									
MAIN SIZE/TYPE: MLO										SERVICES:									
VOLT/PHASE: 208Y/120V, 3PH, 4W										MOUNTING SURFACE:									
SECTION: 1										LOCATION:									
NOTE	CRKT	DESCRIPTION	VOLTS/PHASE			WIRE	BKR	P	WIRE	VOLTS/PHASE			DESCRIPTION	CRKT	NOTE				
			A	B	C		AMP			A	B	C							
	1	PNLBO A								14,233			PNLBO D	2	4				
	3	PNLBO A	28,369		27,978		200	3	200			13,639		6	6				
	5				26,029							9,583		8	8				
	7													10	10				
	9	PNLBO B	21,769		23,543		200	3	3					12	12				
	11				26,385														
SUBTOTAL			50,138	51,522	52,394					14,233	13,639	9,583	SUBTOTAL						
TOTAL PHASE A - VA			64,371	LOAD			CONN	VA	DF	TOTAL PHASE A - VA			LOAD						
AMPS			536	AMPS			536	100	100	AMPS			100						
TOTAL PHASE B - VA			65,161	HEATING			85,351	100	100	SIGN/DISPLAY			1,200	1,25	1,25				
AMPS			543	LIGHTING			13,233	1,25	1,25	KITCHEN			40,163	0,65	0,65				
TOTAL PHASE C - VA			61,977	RECEPTACLES			8,430	1,00	1,00	EXISTING			1,00	1,00	1,00				
AMPS			516	MOTORS			10,466	1,00	1,00	LARGE MOTOR			1,25	TOTAL DEMAND					
TOTAL PNLBO - VA			191,508	SUPPLY HEAT			6,500	1,00	1,00	SHOW WINDOW			2,000	1,25	181,559 VA				
AMPS			532	MISC EQUIP			9,685	1,00	1,00	LGT TRACK			1,00	1,00	504 VA				
PANELBOARD NOTES																			
FED FROM: OVERHEAD 240D/120V, 3P TRANSFORMER																			

Short-Circuit and Voltage Drop Calculations																							v2.09.02																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Distances are for calculation purposes only and shall not be used for contractor takeoffs nor bidding - Contractor shall notify Engineer of any field condition that results in a change of 10% or greater circuit distance																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
The following calculations are based on the "Point-by-Point" method where:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
ISC (a) = $ISC(a) \times M(a)$ ISC (a) = short circuit current at fault point 1 ISC (a) = short circuit current at fault point 2											$M = 1/(1+f)$ Feeder: $I_f = \frac{1.732 \times L \times I_{sc}}{C \times E}$ Feeder: $I_f = \frac{2 \times L \times I_{sc}}{C \times E}$ L = Length of circuit E = Line to line volts C = "C" Factor from Bussman table where "C" = 1 / Impedance per linear foot Feeder Types = NM - Non Magnetic Conduit, M - Magnetic Conduit, FB - Feeder Busway, PB - Plug-in Busway, TX - Transformer																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
$XFMR: I_p = \frac{IP(sca) \times V_p \times 1.73 \times \%Z}{100,000 \times KVA}$											$ISC(a) = \frac{V_p \times M \times IP(sca)}{V_s}$ VOLTAGE DROP (3Ø): $\%VD = ((R \times \cos(\arccos(pf))) + X \times \sin(\arccos(pf))) \times L / \# \times I \times 1.73 / E$ VOLTAGE DROP (1Ø): $\%VD = ((R \times \cos(\arccos(pf))) + X \times \sin(\arccos(pf))) \times 2 \times L / \# \times I / E$ %Vd CUM= Cumulative Voltage Drop From Fault Point 1 to Fault Point # R= resistance in ohms per LF X= reactances in ohms per LF																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Fault Point (F#)	Bus/Feeder Description	Phas	Source (Fault Point)	Source Isc (amps)	r (ohms)	Material	Wire/Bus Size	Conductor Size	L-L Volts	Circuit Length	Load Power	Circuit Load	Conductor Resistance	Reactance	Conductor Type	Transformer	Degree Rise	Z	V sec	f	M	FAULT T Isc	VOLTAGE DROP %VD	TOTAL V.D. %VD CUM	Fault Point (F#)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1	Utility Service Point	1	59473		at the secondary of the utility transformer - tapped Delta - 3 phase																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

NOTES/SPECS

THERE ARE ADDITIONAL NOTES AND SPECIFICATIONS FOUND ON SUBSEQUENT SHEETS. EXCEPT FOR GENERAL SHEET NOTES AND KEYS (E.G. PLAN KEY NOTES), THESE NOTES AND SPECIFICATIONS SHALL APPLY TO ALL SHEETS.

VOLTAGE DROP

VOLTAGE DROP IN ACCORDANCE WITH FLORIDA BUILDING CODE 7TH EDITION (2020) ENERGY CONSERVATION CODE CHAPTER 4, SECTION C405.5.3 HAS TAKEN IN ACCOUNT FOR THIS PROJECT.

ELECTRICAL SERVICE

CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ELECTRIC SERVICE, BOTH TEMPORARY AND PERMANENT, FOR THE BUILDING, AND PAYING ALL FEES ASSOCIATED WITH THE ELECTRIC SERVICE(S). CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE POWER COMPANY AND PROVIDING ALL REQUIRED DOCUMENTATION TO THE POWER COMPANY. CONTRACTOR SHALL INCLUDE POWER COMPANY DESIGN AND CONSTRUCTION LEAD TIMES IN THEIR OVERALL CONSTRUCTION SCHEDULE. ANY COORDINATION WORK PERFORMED BY THE ENGINEER SHALL NOT PRECLUDE THE CONTRACTOR OF THIS RESPONSIBILITY.

NEC 110.24(A)

CONTRACTOR SHALL PROVIDE A PERMANENT ENGRAVED NAMEPLATE LABEL WITH THE MAXIMUM AVAILABLE FAULT CURRENT AND THE DATE OF THE FAULT CURRENT CALCULATION. LABEL SHALL READ "MAXIMUM AVAILABLE FAULT CURRENT IS 59,473 AMPERES, BASED ON CALCULATIONS PERFORMED WITH UTILITY DATA, DATED 09/03/2025".

DISCONNECT SWITCHES:

- DISCONNECT SWITCHES SHALL BE HEAVY DUTY, QUICK-MAKE, QUICK-BREAK, VISIBLE BLADES, 600 VOLT, 3 POLE WITH FULL COVER INTERLOCK DEFLECT AND FLANGE MOUNTED OPERATING HANDLES. ALL CURRENT CARRYING PARTS INCLUDING LUGS SHALL BE COPPER. ENCLOSURE SHALL BE NEMA 3R PAINTED STEEL FOR OUTDOORS AND NEMA 1 PAINTED STEEL FOR INDOORS. MANUFACTURED BY SQUARE D, EATON/CUTLER-HAMMER, GENERAL ELECTRIC, OR SIEMENS. PROVIDE FUSING, ARC RATING, SERVICE ENTRANCE, NEUTRAL LUG, MAIN BONDING JUMPER, ETC., AS REQUIRED AND SHOWN ON THE PLANS. PROVIDE ALL DISCONNECTS WITH THE FOLLOWING PROVISIONS: DISCONNECT SHALL BE RATED FOR 75 DEGREE C COPPER OR ALUMINUM WIRE.

EQUIPMENT IDENTIFICATION:

- PROVIDE AND INSTALL ENGRAVED, LAMINATED PLASTIC NAMEPLATES ON ALL LABELED EQUIPMENT (E.G. PANEL LP1, RTU-1, ETC.). NAMEPLATES SHALL BE MINIMUM 1/16" THICK X 3/4" HIGH X 2 1/2" WIDE WITH WHITE LETTER ON BLACK BACKGROUND.
- SCREW MOUNT NAMEPLATES TO NEMA 1 ENCLOSURES. EPOXY BOND (NO DOUBLE SIDED TAPE) ALL OTHER ENCLOSURE TYPES.
- PROVIDE MACHINE TYPED HEAVY DUTY PERMANENT POLYESTER LABELS ON ALL RECEPTACLES, SWITCHES AND JUNCTION BOXES INDICATING THE PANEL THAT FEEDS THE RECEPTACLE AND THE CIRCUIT NUMBER (E.G. LP1-14). JUNCTION BOXES SHALL ALSO INDICATE ALL VOLTAGES REPRESENTED BY THE CIRCUITS IN THE JUNCTION BOX.
- ELECTRICAL EQUIPMENT, SUCH AS SWITCHBOARDS, PANELBOARDS, CONTROL PANELS (THE TYPE CONTAINING MOTOR STARTERS, VFDs, ETC.), METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS, SHALL FACTORY LABEL.

CONDUIT AND WIRE:

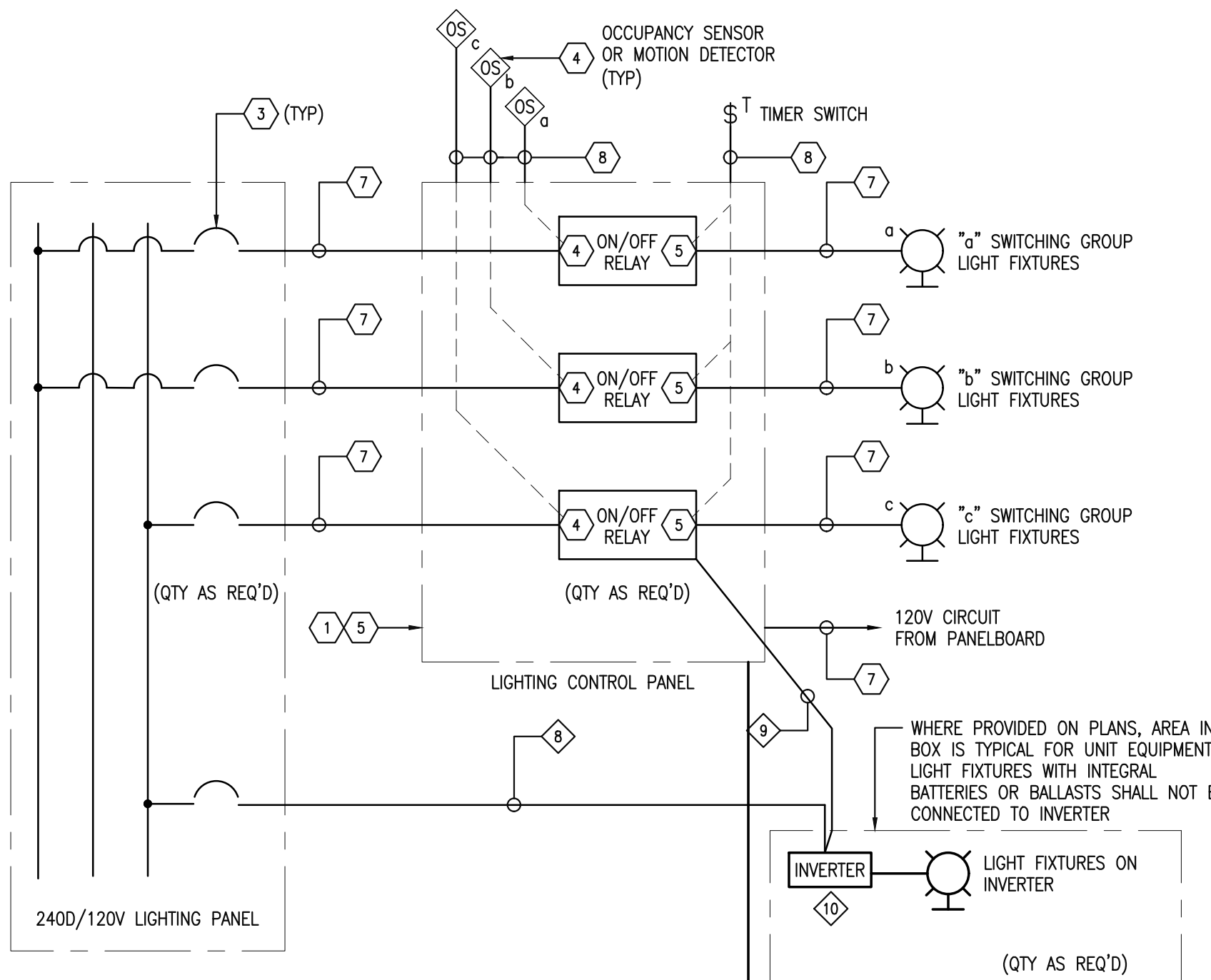
- 1 1/2" C, 3/4", 1/2" G
- (2) 4" (GRS), 3-500KCMIL, 1-500KCMIL (N), (AL)
- (2) 3-500KCMIL, 1-500KCMIL (N), (AL)
- (2) 3-500KCMIL, 1-500KCMIL (N), 1/4" O G AS A SUPPLY SIDE BONDING JUMPER, (AL)
- (1) 3" C, 3-250KCMIL, 1-250KCMIL (N), 1/4" O G, (AL)
- (1) 3" C, 3-250KCMIL, 1-250KCMIL (N), 1/4" G, (AL)
- 1 1/2" C, 1/4" O AL, GEC

CUTTING AND PATCHING:

- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS AND REQUIREMENTS FOR RESTORING EXISTING CONDITIONS, MATERIALS, PAINT COLOR, FINISHES, ETC.
- CUTTING AND PATCHING SHALL BE DONE IN A THOROUGHLY WORKMANLIKE MANNER AND BE IN COMPLIANCE WITH MODIFICATIONS AND REPAIR TO CONCRETE AS SHOWN BY OTHER TRADES. SAWCUT CONCRETE AND MASONRY PRIOR TO BREAKING OUT SECTIONS.
- CORE DRILL HOLES IN EXISTING CONCRETE FLOORS AND WALLS AS REQUIRED.
- INSTALL WORK AT SUCH A TIME AS TO REQUIRE THE MINIMUM OF CUTTING AND PATCHING.
- DO NOT CUT JOISTS, BEAMS, ORDERS, COLUMNS OR ANY OTHER STRUCTURAL MEMBERS.
- CUT OPENING ONLY LARGE ENOUGH TO ALLOW EASY INSTALLATION OF THE CONDUIT.
- PATCHING TO BE OF THE SAME KIND AND QUALITY OF MATERIAL AS WAS REMOVED.
- THE COMPLETED PATCHING WORK SHALL RESTORE THE SURFACE TO ITS ORIGINAL APPEARANCE OR BETTER.
- PATCHING OF WATERPROOFED SURFACES SHALL RENDER THE AREA OF THE PATCHING COMPLETELY WATERPROOFED.
- REMOVE RUBBLE AND EXCESS PATCHING MATERIALS FROM THE PREMISES.
- WHERE EXISTING CONDUITS ARE CUT AT THE FLOOR LINE OR WALL LINE, FILL WITH GROUT OF SUITABLE PATCHING MATERIAL.

LIGHTING CONTROL PANEL RISER DIAGRAM

SCALE: NONE



LIGHTING COMMISSIONING:

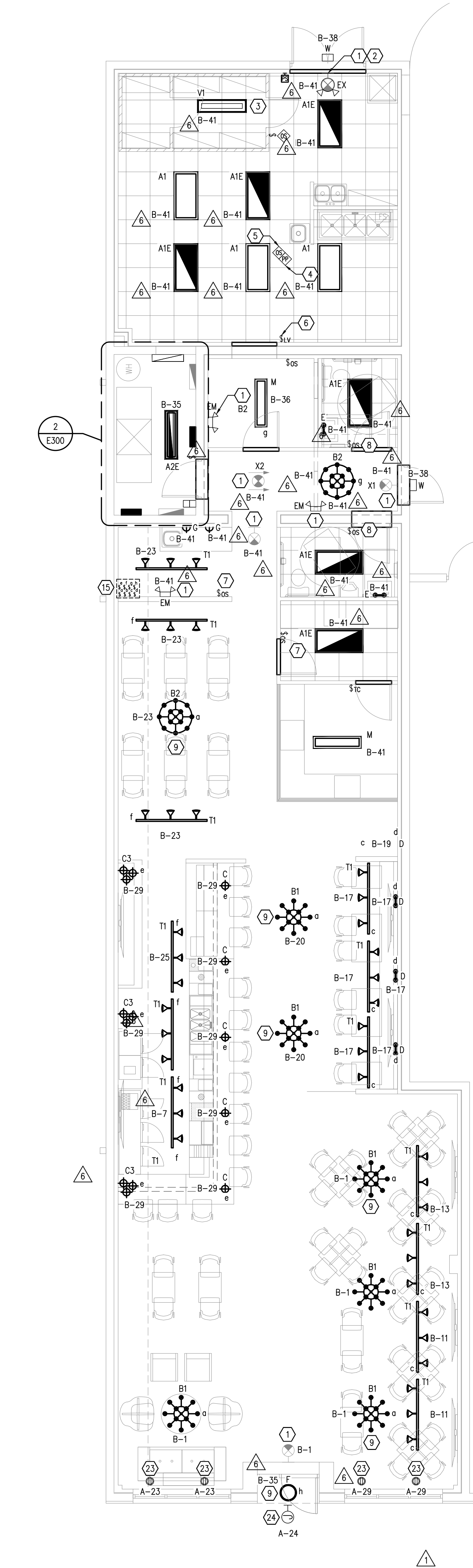
- CONTRACTOR SHALL HIRE AN APPROVED INDEPENDENT PARTY OR THE LIGHTING CONTROLS MANUFACTURER TO PROVIDE CERTIFIED DOCUMENTATION TO THE AUTHORITY HAVING JURISDICTION (AHJ), WHICH PROVES THE INSTALLED LIGHTING CONTROLS MEETS THE PROVISIONS OF THE FLORIDA ENERGY EFFICIENCY CODE, SECTION C405 AND ASHRAE STANDARD 90.1, CHAPTERS 9 AND 9.1. WHERE ALLOWED BY THE AHJ, CONTRACTOR MAY SELF-PERFORM THE CERTIFICATION TESTING AND PROVIDE THE CERTIFIED DOCUMENTATION TO THE AHJ. THE FOLLOWING NOTES DESCRIBE THE REQUIRED PROCEDURES TO BE COMPLETING BY THE LIGHTING CONTROLS MANUFACTURER REPRESENTATIVE OR THE APPROVED INDEPENDENT PARTY.
- CONFIRM THAT ALL SENSORS, POWER PACKS, DIMMING SYSTEMS, SCENE SELECTORS, ETC., PERFORM AND OPERATE AS DESCRIBED IN THE GENERAL SHEET NOTES, PLAN KEY NOTES, COMPONENT SPECIFIC NOTES AND THE LIGHTING SPECIFICATIONS ON SHEET E100. WHERE THE FLORIDA ENERGY CODE REQUIRES A MORE STRINGENT PERFORMANCE OR OPERATION TESTING, THAT SETTING SHALL BE IMPLEMENTED OVER THE SETTING DESCRIBED IN THE FOREMENTIONED NOTES. PROVIDE ALL FUNCTIONAL TESTING AS DESCRIBED IN ASHRAE 90.1-2016, SECTION 9.4.3.
- CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANCY SENSORS YIELD ACCEPTABLE PERFORMANCE.
- CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS ON AND OFF.
- CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE, AS SPECIFIED.
- REFER TO ASHRAE STANDARD 90.1, CHAPTER 9, SECTION 9.4.3 FUNCTION TESTING FOR ADDITIONAL TESTS, CALIBRATIONS, ADJUSTMENTS, PROGRAMMING, ETC., REQUIRED BY THE CODE. PROVIDE ALL TESTING AND ADJUSTMENT OF SETTINGS FOR OCCUPANCY, TIME SWITCH, AND PHOTOSENSOR CONTROLS, AS DESCRIBED IN THIS SECTION. PROVIDE DOCUMENTATION CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET OR EXCEED ALL DOCUMENTED PERFORMANCE CRITERIA.
- FOR THE WAREHOUSE, PROVIDE ALL EQUIPMENT SHOWN, AS WELL AS ANY ADDITIONAL EQUIPMENT REQUIRED TO ACHIEVE THE LIGHTING CONTROLS REQUIREMENTS OF ASHRAE STANDARD 90.1-2016. PROVIDE ALL PROGRAMMING AND COMMISSIONING REQUIRED TO ACHIEVE THE FOLLOWING:
LOCAL CONTROL - 9.4.1.1(c)
DIMMING TO MEET BI-LEVEL LIGHTING CONTROL - 9.4.1.1(d)
AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS - 9.4.1.1(f)
AUTOMATIC PARTIAL OFF - 9.4.1.1(g)
AUTOMATIC FULL OFF - 9.4.1.1(h)
- FOR THE PRIVATE OFFICE, PROVIDE ALL EQUIPMENT SHOWN, AS WELL AS ANY ADDITIONAL EQUIPMENT REQUIRED TO ACHIEVE THE LIGHTING CONTROLS REQUIREMENTS OF ASHRAE STANDARD 90.1-2016. PROVIDE ALL PROGRAMMING AND COMMISSIONING REQUIRED TO ACHIEVE THE FOLLOWING:
LOCAL CONTROL - 9.4.1.1(c)
DIMMING TO MEET BI-LEVEL LIGHTING CONTROL - 9.4.1.1(d)
AUTOMATIC PARTIAL OFF - 9.4.1.1(g)
AUTOMATIC FULL OFF - 9.4.1.1(h)
- FOR THE BREAK ROOM, PROVIDE ALL EQUIPMENT SHOWN, AS WELL AS ANY ADDITIONAL EQUIPMENT REQUIRED TO ACHIEVE THE LIGHTING CONTROLS REQUIREMENTS OF ASHRAE STANDARD 90.1-2016. PROVIDE ALL PROGRAMMING AND COMMISSIONING REQUIRED TO ACHIEVE THE FOLLOWING:
LOCAL CONTROL - 9.4.1.1(c)
DIMMING TO MEET BI-LEVEL LIGHTING CONTROL - 9.4.1.1(d)
AUTOMATIC PARTIAL OFF - 9.4.1.1(g)
AUTOMATIC FULL OFF - 9.4.1.1(h)
- FOR THE OPEN OFFICE, PROVIDE ALL EQUIPMENT SHOWN, AS WELL AS ANY ADDITIONAL EQUIPMENT REQUIRED TO ACHIEVE THE LIGHTING CONTROLS REQUIREMENTS OF ASHRAE STANDARD 90.1-2016. PROVIDE ALL PROGRAMMING AND COMMISSIONING REQUIRED TO ACHIEVE THE FOLLOWING:
LOCAL CONTROL - 9.4.1.1(c)
DIMMING TO MEET BI-LEVEL LIGHTING CONTROL - 9.4.1.1(d)
AUTOMATIC PARTIAL OFF - 9.4.1.1(g)
AUTOMATIC FULL OFF - 9.4.1.1(h)
- FOR THE RESTROOMS, PROVIDE ALL EQUIPMENT SHOWN, AS WELL AS ANY ADDITIONAL EQUIPMENT REQUIRED TO ACHIEVE THE LIGHTING CONTROLS REQUIREMENTS OF ASHRAE STANDARD 90.1-2016. PROVIDE ALL PROGRAMMING AND COMMISSIONING REQUIRED TO ACHIEVE THE FOLLOWING:
LOCAL CONTROL - 9.4.1.1(c)
DIMMING TO MEET BI-LEVEL LIGHTING CONTROL - 9.4.1.1(d)
AUTOMATIC PARTIAL OFF - 9.4.1.1(g)
AUTOMATIC FULL OFF - 9.4.1.1(h)
- FOR THE JANITOR ROOM AND IT CLOSET (CONSIDERED ELECTRICAL/MECHANICAL ROOMS), PROVIDE ALL EQUIPMENT SHOWN, AS WELL AS ANY ADDITIONAL EQUIPMENT REQUIRED TO ACHIEVE THE LIGHTING CONTROLS REQUIREMENTS OF ASHRAE STANDARD 90.1-2016. PROVIDE ALL PROGRAMMING AND COMMISSIONING REQUIRED TO ACHIEVE THE FOLLOWING:
LOCAL CONTROL - 9.4.1.1(c)
AUTOMATIC FULL OFF - 9.4.1.1(h)

LTG CONTROL NOTES:

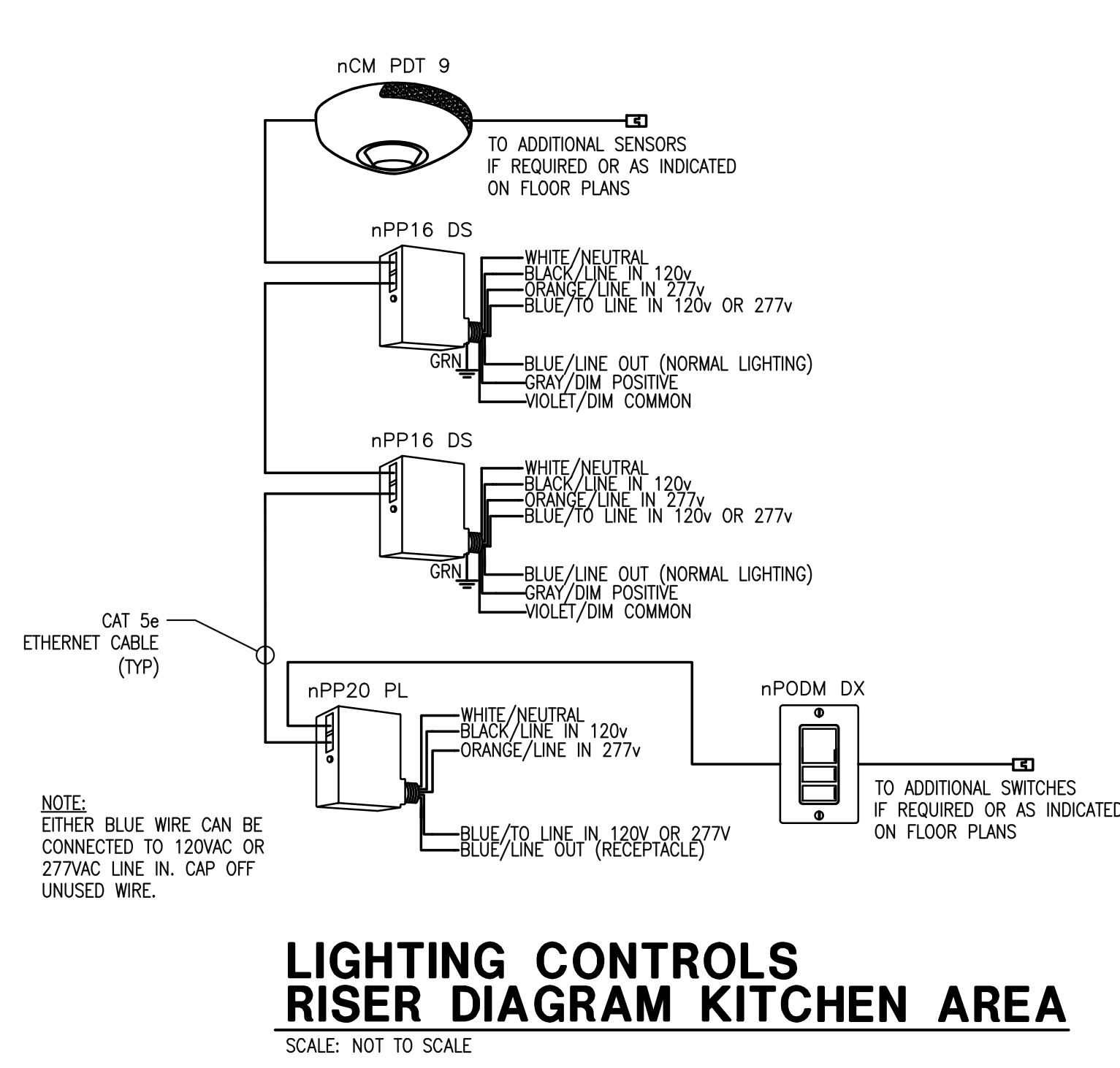
- LPCH IS THE LIGHTING CONTROL PANEL FOR THE HOUSE LIGHTS. LPCH CONTROLS 277V LIGHTING CIRCUITS FROM HOUSE PANEL LPD. 120V CONTROL POWER FOR LPCH COMES FROM HOUSE PANEL LPD.
- LPCH AND LPCH2 ARE LIGHTING CONTROL PANELS FOR THE WAREHOUSE AND DOCK LIGHTS.
- LPCH1 CONTROLS THE ENCLOSED DOCK AREA (DOCK BAYS #1 THRU #12) AND THE WEST WAREHOUSE. LPCH1 CONTROLS 277V LIGHTING CIRCUITS FROM PANELBOARD LP1 AND RECEIVES 120V CONTROL POWER FROM PANELBOARD RP1.
- LPCH2 CONTROLS THE EAST WAREHOUSE AND OPEN DOCK AREA (DOCK BAYS #13 THRU #17). LPCH2 CONTROLS 277V LIGHTING CIRCUITS FROM PANELBOARD BC1 AND RECEIVES 120V CONTROL POWER FROM PANELBOARD RP3.
- LIGHTING CONTROL PANEL, OCCUPANCY SENSORS, TIMER SWITCHES, ETC., SHALL ALL BE BY ONE MANUFACTURER AND BE COMPATIBLE WITH ONE ANOTHER. BASIS OF DESIGN IS LIGHTING INTEGRATOR BY WATTSSTOPPER (LEGRAND). LIGHTING CONTROL PANELS SHALL BE LIGHTING INTEGRATOR LIGHTING CONTROL INTERIOR TYPE LCPH WITH TYPE LENC4S SURFACE MOUNTED ENCLOSURE, 277V RATED, 30A SPDT RELAYS, 115V RATED COILS, 8 OR 16 CHANNELS AS SPECIFIED FOR EACH INDIVIDUAL LIGHTING CONTROL PANEL. RELAYS SHALL BE PROGRAMMED TO OPERATE THE INDIVIDUAL GROUPS AND SWITCHING GROUPS AS SHOWN ON THE DRAWINGS. ANY ONE OF THE OCCUPANCY SENSORS IN A GROUP SHALL ACTIVATE THE WHOLE SWITCHING GROUP. TIMER SWITCHES SHALL TURN ON AND OFF ALL SWITCHING GROUPS AS DESCRIBED HEREIN.
- WALL MOUNTED TIMER SWITCHES SHALL BE TYPE TS-400-24, 24VAC/VDC RATED, BY WATTSSTOPPER (LEGRAND) OR APPROVED EQUAL BY OTHERS. ADDITIONALLY, TIMER SWITCH SHALL RESET THE 2 HOUR TIME-OUT BY HOLDING DOWN THE ON/OFF BUTTON FOR 2 SECONDS. TIMER SWITCH SHALL DISPLAY THE TIME REMAINING ON THE LCD DISPLAY WHILE OPERATING. TIMER SWITCH SHALL BE ABLE TO OVERRIDE MOTION DETECTION CONTROLLED SWITCHING GROUPS. MULTIPLE TIMER SWITCHES SHALL BE PROVIDED AT EACH LOCATION SHOWN ON THE PLANS IN ORDER TO MEET THE REQUIREMENTS OF THE FBC. REFER TO APPROVED MANUFACTURER'S WIRING DIAGRAM FOR LOW VOLTAGE WIRING DIAGRAM TO LIGHTING CONTROL PANEL.
- LOW VOLTAGE HIGH BAY PASSIVE INFRARED OCCUPANCY SENSORS SHALL BE TYPE HB300-B WITH HBL1 AISLE-WAY LENS AND HNB83 BACK BOX, BY WATTSSTOPPER (LEGRAND) OR APPROVED EQUAL BY OTHERS. LOW VOLTAGE HIGH BAY PASSIVE INFRARED OCCUPANCY SENSORS SHALL BE INSTALLED IN CONDUIT, THE CONDUIT SHALL ONLY BE INSTALLED FROM 12" ABOVE FINISHED GRADE AND DOWN BELOW GRADE. GROUNDING ELECTRODE CONDUCTORS SHALL BE EXPOSED AND SECURELY FASTENED 12" OR MORE ABOVE FINISHED GRADE.
- LIGHTING CONTROL PANELS LPCH1 AND LPCH2 SHALL BOTH BE TYPE LCP4S WITH TYPE LENC4S SURFACE MOUNT ENCLOSURE, 48 RELAYS, AND 16 CHANNELS OR SWITCHING GROUPS.
- LIGHTING CONTROL PANEL LPCH1 SHALL BE TYPE LCP24 WITH TYPE LENC4S SURFACE MOUNT ENCLOSURE, 24 RELAYS, AND 8 CHANNELS OR SWITCHING GROUPS.
- CONTRACTOR SHALL WIRE ALL EMERGENCY BATTERY PACKS OF FIXTURES THAT CONTAIN THEM, TO THE LINE, THESE LOADS SHALL NOT BE SWITCHED. REFER TO EMERGENCY BATTERY PACK BALLAST MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SPECIFIC WIRING REQUIREMENTS. PROVIDE ALL ADDITIONAL CONDUIT AND WIRE AS REQUIRED FOR A COMPLETE INSTALLATION.

LCP NOTES:

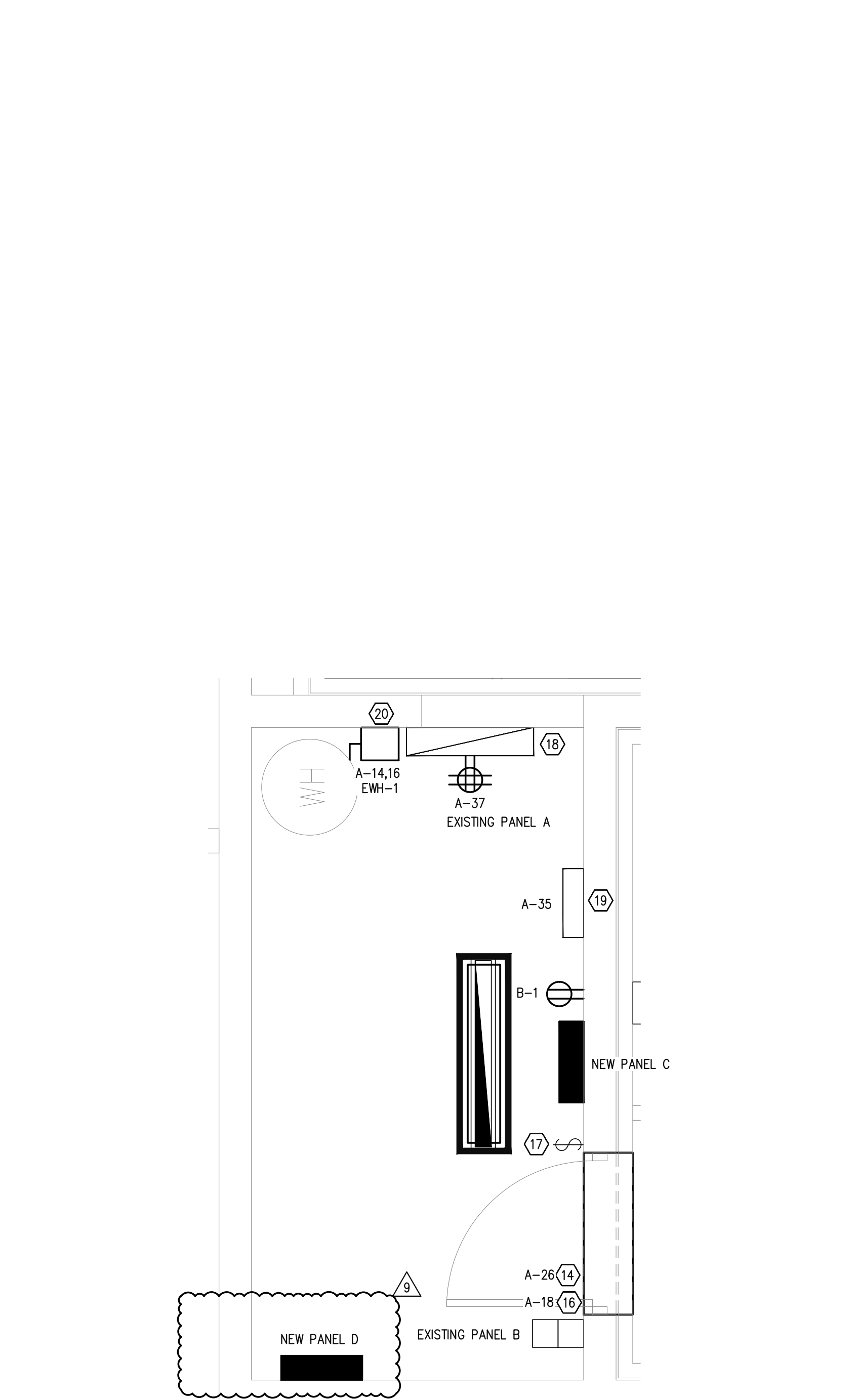
- FURNISH ALL LABOR AND MATERIAL REQUIRED FOR A COMPLETE LIGHTING CONTROL SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL COORDINATE WITH THE MANUFACTURER AND PROVIDE ANY AND ALL SERVICE HOURS BY THE MANUFACTURER'S SERVICE REPRESENTATIVE IN ORDER TO PROGRAM THE LIGHTING CONTROL PANEL AND CERTIFY CLOSE OUT DOCUMENTS.
- CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR BUSINESS HOURS AND SCHEDULING TIME CLOCK CONTROL IN THE ASTRONOMICAL TIME CLOCK SCHEDULER.
- CIRCUIT BREAKERS FEEDING LIGHTING CIRCUITS ARE AS SHOWN ON THE PLANS AND PANELBOARD SCHEDULES. OVERCURRENT AND SHORT CIRCUIT PROTECTION IS PROVIDED BY THE CIRCUIT BREAKER. SWITCHING OF THE LIGHTING LOAD IS CONTROLLED BY THE LIGHTING RELAYS IN THE LIGHTING CONTROL PANEL. EACH CIRCUIT SHALL HAVE ITS OWN INDIVIDUAL RELAY TO OPEN AND CLOSE THE CIRCUIT. QUANTITY OF LIGHTING CIRCUITS IS AS SHOWN ON PLANS AND PANELBOARD SCHEDULES.
- EACH LIGHTING RELAY IN THE LIGHTING CONTROL PANEL FEEDING LIGHTING CIRCUITS ARE AS SHOWN ON THE PLANS. RELAYS ARE GROUPED TOGETHER INTO SWITCHING GROUPS. THE CIRCUIT NUMBER REFERS TO THE 277V CIRCUIT FROM THE PANELBOARD. LOWVOLTAGE LETTERS REFER TO SWITCHING GROUPS CONTROLLED BY THE LIGHTING CONTROL PANEL. EACH SWITCHING GROUP SHALL BE PROGRAMMED TO TURN ON BASED ON MOTION DETECTORS OR OCCUPANCY SENSORS LOCATED WITHIN THEIR SPECIFIC AISLE OR SPACE. ANY ONE DETECTOR/SENSOR FOR THAT GROUP WILL TURN ON THE WHOLE SWITCHING GROUP. ALL DETECTORS/SENSORS FOR THAT GROUP MUST DETECT VACUANCY FOR THE SWITCHING GROUP TO TURN OFF.
- ALL SWITCHING GROUPS SHALL BE PROGRAMMED TO TURN ON AND OFF BASED ON MANUALLY BEING SWITCHED FROM THE TIMER SWITCH, AS DESCRIBED IN THE PLAN KEY NOTES. SHALL BE CONTROLLED ALL TOGETHER BY THAT TIMER, OVERRIDING ANY DETECTOR/SENSOR BASED SWITCHING UPON BEING TIMED OUT OR MANUALLY TURNED OFF THROUGH THE TIMER SWITCH, THE DETECTOR/SENSOR BASED SWITCHING GROUPS WILL RESUME.
- TIMER SWITCHES ARE SET TO TWO HOURS



1 OVERALL LIGHTING PLAN
E300 SCALE: 3/16"=1'-0" 12



LIGHTING CONTROLS RISER DIAGRAM KITCHEN AREA
SCALE: NOT TO SCALE



2 LIGHTING CONTROLS RISER DIAGRAM OFFICE 0-10V DIMMING
SCALE: NOT TO SCALE



3 ELECTRICAL ROOM PLAN
E300 SCALE: 1/2"=1'-0" 4

PLAN KEY NOTES:

- WIRE ALL EXISTING OR NEW EXIT SIGNS, EMERGENCY LIGHTING FIXTURES AND THE EMERGENCY BATTERY PACKS OF FIXTURES THAT CONTAIN THEM, TO THE LINE SIDE OF THE SWITCH. THESE LOADS SHALL NOT BE SWITCHED. PROVIDE AN ADDITIONAL UN-SWITCHED HOT WIRE, AS REQUIRED. LIGHT FIXTURE CONTAINS THE REQUIRED INTERNAL 90 MINUTE BATTERY BACKUP. EXISTING LIGHT FIXTURE IS UL 924 LISTED AND MEETS THE REQUIREMENTS OF NEC 700.12.
- CONTRACTOR SHALL CONNECT THE EXIT SIGN AND EMERGENCY LIGHT COMBO UNIT TO CIRCUIT SHOWN. PROVIDE ALL CONDUIT AND WIRE, JUNCTION BOXES, SPLICES, ETC., AS REQUIRED TO CONNECT THE LIGHT FIXTURES TO THE NEW CIRCUIT. PROVIDE CONDUIT AND WIRE AS CALLED OUT ON THE PANELBOARD SCHEDULES.
- CONTRACTOR SHALL INSTALL VAPOR TIGHT LIGHTING FIXTURE AS CEILING MOUNTED IN WALK-IN COOLER. CONDUIT SHALL BE EXPOSED. LIGHTING SHALL BE 1 FT FAR FROM EVAPORATOR COIL. COORDINATE WITH REFRIGERATION DRAWINGS PRIOR TO INSTALLATION.
- DIMMING POWER PACK(S) FOR LOW VOLTAGE CEILING OCCUPANCY SENSORS ("PP") SHALL BE TYPE nPP16 DS, 120/277V RATED, BY nLIGHT (ACUITY) OR APPROVED EQUAL BY OTHERS. MOUNT POWER PACK ABOVE THE CEILING. PROVIDE TWO ADJACENT DEEP JUNCTION BOXES, ONE TO HOUSE THE POWER PACK, AND THE OTHER FOR THE WIRING TERMINATIONS. REFER TO APPROVED MANUFACTURER'S WIRING DIAGRAM FOR 277V CONTROL POWER WIRING TO PANELBOARD. 277V WIRING FROM PANELBOARD TO THE SWITCHED LIGHTING FIXTURES. 0-10V WIRING TO DIMMING BALLASTS AND CAT5E WIRING BETWEEN LOW VOLTAGE COMPONENTS (CEILING OCCUPANCY SENSORS, PLUG LOAD CONTROLLERS, WALL SWITCHES, ETC.). PROVIDE ALL CAT5E CABLE AND 0-10V WIRING BETWEEN LOW VOLTAGE COMPONENTS AS REQUIRED FOR A COMPLETE INSTALLATION. POWER PACK LOCATION IS ESTIMATED AND MAYBE RELOCATED AS REQUIRED TO MINIMIZE CIRCUIT LENGTH, AVOID OBSTRUCTIONS, ETC. PROVIDE THE QUANTITY OF POWER PACKS REQUIRED FOR THE NUMBER OF SWITCHING GROUPS SHOWN, WHERE INSTALLED IN AREAS WITH EXPOSED CEILINGS, MOUNT POWER PACK JUNCTION BOXES ABOVE THE CLEAR HEIGHT OF THE ROOM, MORE THAN 10'-0" ABOVE FINISHED FLOOR.
- LOW VOLTAGE CEILING OCCUPANCY SENSORS ("OC") SHALL BE TYPE nCM PDT 9 RUB, BY nLIGHT (ACUITY) OR APPROVED EQUAL BY OTHERS. LOW VOLTAGE CEILING OCCUPANCY SENSOR SHALL BE COMPATIBLE WITH THE POWER PACK TYPE nPP16 OR nPP16 DS. IN THE CASE OF APPROVED EQUAL, THE ASSOCIATED COMPATIBLE POWER PACK BY THE APPROVED EQUAL MANUFACTURER SHALL BE PROVIDED. REFER TO APPROVED MANUFACTURER'S WIRING DIAGRAM FOR CAT5E CABLE BETWEEN LOW VOLTAGE COMPONENTS AND THE POWER PACKS. PROVIDE ALL CAT5E CABLE AS REQUIRED FOR A COMPLETE INSTALLATION. OCCUPANCY SENSORS INSTALLED IN EXPOSED CEILINGS SHALL BE CONDUIT STEM MOUNTED ON A JUNCTION BOX AT 10'-0" ABOVE FINISHED FLOOR.
- WALL MOUNTED OCCUPANCY SENSOR SWITCHES ("OC") SHALL BE TYPE nWSX 2P FAN, 120/277VAC RATED, BY SENSOR SWITCH (ACUITY CONTROLS) OR APPROVED EQUAL BY OTHERS. OPERATING MODE SHALL BE PROGRAMMED FOR AUTO-ON/AUTO-OFF.
- WALL MOUNTED OCCUPANCY SENSOR SWITCHES ("OC") SHALL BE TYPE nWSX 2P FAN, 120/277VAC RATED, BY SENSOR SWITCH (ACUITY CONTROLS) OR APPROVED EQUAL BY OTHERS. OPERATING MODE SHALL BE PROGRAMMED FOR AUTO-ON/AUTO-OFF.
- EMERGENCY LIGHTING FIXTURE DRIVER SHALL BE CONNECTED TO BODINE ELI-S-400 INVERTER FOR EXTERIOR LIGHTING, BODINE ELI-S-400 INVERTER FOR INDICATED INTERIOR LIGHTING INVERTER SHALL BE CONNECTED TO 120V HOT UNSWITCHED WIRE OF THE CIRCUIT.
- EXISTING LIGHTING SWITCH TO BE DEMOLISHED, PROVIDE NEW SWITCH AS INDICATED IN LIGHTING PLAN.
- EXISTING LIGHTING FIXTURES TO BE DEMOLISHED, REUSE EXISTING CONDUIT AND WIRE TO FEED NEW LIGHTING IF APPLICABLE. PROVIDE NEW FIXTURES AS INDICATED IN LIGHTING PLAN AND LIGHTING FIXTURE SCHEDULE.
- EXISTING LIGHT FIXTURE TO REMAIN, DISCONNECT, EXTEND, AND RECONNECT ALL ELECTRICAL CIRCUITRY TO NEW CIRCUIT SHOWN. VERIFY CONDITION OF BRANCH CIRCUIT, CONDUIT, AND WIRE PRIOR TO USE TO ENSURE THAT THEY MEET ALL U.L. RATINGS AND REPLACE AS REQUIRED. PROVIDE CONDUIT AND WIRE AS CALLED OUT ON THE PANELBOARD SCHEDULES.
- EXISTING PANELBOARDS/ELECTRICAL FIXTURES SHALL BE REMOVED. REMOVE CONDUIT AND WIRE BACK TO THE SOURCE PANEL. SPARE CIRCUITS THAT IS FEEDING IT/OR REUSE PER PANEL SCHEDULES.
- PROVIDE WALL MOUNTED INVERTER TYPE BODINE ELI-S-400. CONNECT INVERTER TO EXTERIOR ENTRANCE LIGHTING.
- GROUP LIGHTING PER CORRESPONDING LOWER CASE LETTERS AND CONNECT IT TO ASSOCIATED CONTACTORS IN LSP TYPE LMP LIGHTING MANAGEMENT PANEL LOCATED IN OFFICE AREA FOR SCENE CONTROL. REFER TO LCP DETAIL.
- PROVIDE WALL MOUNTED BODINE ELI-S-400 INVERTER FOR INTERIOR LIGHTING. CONNECT INVERTER TO INDICATED LIGHTING PER PLAN.
- PROVIDE 27C, FROM TTC. PROVIDE DEDICATED CIRCUIT AND RECEPTACLE SHOWN. PROVIDE A 4' X 8' X 3/4" FIRE RETARDANT PAINTED PLYWOOD TELEPHONE TERMINAL BACKBOARD (TTB) WITH THE TOP MOUNTED AT 9'-0" ABOVE FINISHED FLOOR. INSTALL A TELECOMMUNICATIONS GROUND BAR MOUNTED 8'-0" ABOVE FINISHED FLOOR, 6" FROM ONE OF THE EDGES OF THE BACKBOARD. EXTEND #6 CU GROUND FROM BACKBOARD TO NEAREST SUITABLE GROUNDING ELECTRODE CONDUCTOR (E.G. BUILDING STEEL). INSTALL GROUNDING AND GROUND BAR IN ACCORDANCE WITH THE ELECTRICAL DETAILS. LOCATE TELEPHONE BACKBOARD RECEPTABLES AT HEIGHT SHOWN ON PLANS. EXTEND TWO (2) 27C, FROM THE TOP OF THE BACKBOARD TO THE ACCESSIBLE SPACE ABOVE THE CEILING. CONTRACTOR SHALL COORDINATE WITH THE TELEPHONE COMPANY AND INTERNET SERVICE PROVIDER FOR PROVIDING TELEPHONE AND INTERNET SERVICE. CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH OBTAINING TELEPHONE AND INTERNET SERVICE. PROVIDE EMPTY CONDUITS WITH 3/16" POLYPROPYLENE PULL STRING AND TERMINATE WITH BUSHING ABOVE THE TELEPHONE TERMINAL BACKBOARD.
- FIRE ALARM CONTROL PANEL (FACP) LOCATED HERE. REFER TO THE FIRE ALARM SYSTEM RISER DIAGRAM AND THE FIRE ALARM PROVIDER'S APPROVED SHOP DRAWINGS FOR ADDITIONAL DETAILS AND REQUIREMENTS. PROVIDE A LOCKING BREAKER.
- PROVIDE 600V, 30A, 2P, DISCONNECT, NEMA 1 RATED TO FEED NEW EWH-1.
- EXISTING TELEPHONE CABINET/BATCH PANEL TO BE DEMOLISHED.
- EXISTING POWER FOR CONDENSING UNIT AND AIR HANDLER UNIT SHALL BE REMOVED.
- SHOW WINDOW RECEPTACLE CALCULATED AT 200 VOLT-AMPERES PER 1-FIT OF SHOW WINDOW, PER NEC 220.14(G)(2). CONTRACTOR SHALL MOUNT SHOW WINDOW RECEPTACLE 6 INCHES ABOVE THE WINDOW, TYPICAL OF ALL SHOW WINDOW RECEPTABLES, UNLESS OTHERWISE NOTED. ROUTE CIRCUIT VIA TIMECLOCK.
- SIGN AND OUTLINE LIGHTING RECEPTACLE AND JUNCTION BOX CALCULATED AT A MINIMUM OF 1200 VOLT-AMPERES, PER NEC 220.14(F) AND 800.5(A). ROUTE SIGN CIRCUIT VIA TIMECLOCK. PROVIDE CIRCUIT BREAKER HANDLE LOCK-OFF PER NEC 600.6(A)(2). JUNCTION BOX SHALL BE STAINLESS STEEL, LOCATED IN THE INTERIOR WALL, OCTAGONAL AND RECESSED. RECEPTACLE SHALL BE THE WEATHERPROOF WHILE IN USE AND GFI TYPE. WALL MOUNT BOTH 6'-0" ABOVE FINISHED GRADE. COORDINATE LOCATION WITH ARCHITECTURAL SIGNAGE.

GENERAL SHEET NOTES:

- THE ELECTRICAL INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2020 AND THE NATIONAL ELECTRIC CODE 2017.
- ALL GROUNDING ELECTRODE SYSTEMS SHALL BE INTERCONNECTED PER NEC ARTICLE 250.52.
- VOLTAGE DROP IN ACCORDANCE WITH FLORIDA BUILDING CODE 7TH EDITION (2020) ENERGY CONSERVATION CODE CHAPTER 4, SECTION C405.5.3 HAS TAKEN IN ACCOUNT FOR THIS PROJECT.
- WHERE CONDUITS ARE CALLED TO BE INSTALLED EMPTY, PROVIDE A 3/16" POLYPROPYLENE PULL STRING. EMT SHALL INSTALLED CONCEALED FROM THE DEVICE/OUTLET BOX UP TO ACCESSIBLE SPACE ABOVE CEILING, TERMINATED WITH A BUSHING. WHERE HARD CEILINGS ARE INSTALLED, ROUTE CONDUIT TO NEAREST ACCESSIBLE LOCATION.
- ALL WIRING CONNECTING FROM THE EXTERIOR, INCLUDING WIRING STUBBED UP THROUGH CONCRETE SLAB, SHALL BE INSTALLED IN OPS CONDUIT AND SHALL BE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 344. THIS INCLUDES THE MAIN POWER FEED FROM THE SERVICE ENTRANCE FUSED DISCONNECT, ANY TELEPHONE AND DATA CONDUITS, AND ANY CIRCUITS MOUNTED ON THE ROOF. PROVIDE DUXSAL IN THESE CONDUITS. PROVIDE LINK-SEAL BY EATON CROUSE-HINDS OR APPROVED EQUAL BY OTHERS FOR ALL EXTERIOR CONDUIT PENETRATIONS. WHERE CONNECTING TO EQUIPMENT THAT HAS ROTATING OR VIBRATING PARTS (E.G. RTU, MOTOR, ETC.), TRANSITION TO LMC CONDUIT AND INSTALL IN ACCORDANCE WITH NEC ARTICLE 350.
- MULTIPLE BRANCH CIRCUITS SHALL NOT HAVE A SHARED NEUTRAL CONDUCTOR.
- REFER TO PANELBOARD SCHEDULES FOR CONDUIT AND WIRE SIZES. WHERE MC CABLE IS PROVIDED, THE CONDUIT SIZE IS IGNORED.
- WORKING CLEARANCES SHALL BE PROVIDED TO ALL ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 110.26. PROVIDE HAZARD FLOOR MARKING TAPE BY SAFETYLOC OR APPROVED EQUAL, TO MARK THE WORKING CLEARANCES REQUIRED IN FRONT OF ALL ELECTRICAL EQUIPMENT. SAFETY FLOOR MARKING TAPE SHALL BE 3" WIDE, LOW PROFILE, 100% SWEAR AND SOUFF RESISTANT WITH TAPERED EDGES.
- ALL WIRING IN THE WAREHOUSE SHALL BE RUN EXPOSED IN EMT CONDUIT AND INSTALLED IN ACCORDANCE WITH NEC ARTICLE 358. WHERE CONNECTING TO EQUIPMENT THAT HAS ROTATING OR VIBRATING PARTS (E.G. VAV, MOTOR, ETC.), TRANSITION TO FMC CONDUIT AND INSTALL IN ACCORDANCE WITH NEC ARTICLE 348.
- WHERE PENETRATING A FIRE RATED WALL ASSEMBLY FOR WIRING, UTILIZE A UL LISTED FIRE-RATED ASSEMBLY SIZED FOR THE CONDUIT MAKING THE PENETRATION, RATED FOR THE TYPE OF MATERIAL PENETRATING THE ASSEMBLY AND THE MATERIAL BEING PENETRATED, AND POSSESSING THE FIRE RATING OF THE ORIGINAL WALL ASSEMBLY. PENETRATION SHALL BE BY USG OR APPROVED OTHER.
- REFER TO HVAC WIRING DIAGRAMS AND SCHEDULES FOR CIRCUIT REQUIREMENTS OF HVAC EQUIPMENT.
- ALL WIRING IN THE OFFICE SPACE SHALL BE INSTALLED CONCEALED IN THE WALLS AND CEILING, AS MC CABLE, UNLESS OTHERWISE NOTED. MC CABLE SHALL BE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 330. WIRING INSTALLED IN THE OFFICE SPACE AND TRANSITIONING TO THE WAREHOUSE SPACE TO TERMINATE IN A PANELBOARD, SHALL TERMINATE IN A JUNCTION BOX OR WIREWAY FIRST. EMT CONDUIT SHALL CONNECT THE JUNCTION BOX OR WIREWAY TO THE PANELBOARD.
- ALL RECEPTABLES WITHIN 6'-0" OF A SINK SHALL BE GFCI PROTECTED. ALL CIRCUITS ON THE PANELBOARD SCHEDULE MARKED AS GFCI SHALL HAVE THE RECEPTABLES GFCI PROTECTED. NO GFCI CIRCUIT BREAKERS ARE REQUIRED IF THE RECEPTABLES ARE GFCI PROTECTED, AS SHOWN ON THE PLANS.
- ALL DEVICES SHOWN DIRECTLY ADJACENT TO A RECEPTACLE SHALL BE MOUNTED AT THE SAME HEIGHT ABOVE FINISHED FLOOR AS THE RECEPTACLE, UNLESS OTHERWISE NOTED.
- ALL CABLE INSTALLED IN THE ACCESSIBLE SPACE ABOVE THE CEILING SHALL BE PLENUM RATED.
- ALL WALL SWITCHES, RECEPTACLE, TEL/DATA/CABLE JACKS, FLUSH MTD JUNCTION BOX, AND EMPTY DEVICE BOX COVERS (EXISTING AND NEW) SHALL BE COORDINATED WITH THE ARCHITECT FOR COLOR AND STYLE AND BE REPLACED. REFER TO THE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS AND REQUIREMENTS. COVERS AND RECEPTABLES SHALL BE WHITE UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECTURAL DRAWINGS FOR ROOM NAMES AND NUMBERS.
- OCCUPANCY SENSOR, WALL SWITCH, RECEPTACLE AND TEL/DATA JACK COVERS SHALL BE COORDINATED WITH THE ARCHITECT FOR COLOR AND STYLE. REFER TO THE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS AND REQUIREMENTS. UNLESS OTHERWISE NOTED, COLOR SHALL BE WHITE.
- RECEPTABLES OR OUTLETS CONTROLLED BY AN AUTOMATIC CONTROL DEVICE (E.G. OCCUPANCY SENSOR), SHALL BE PERMANENTLY MARKED WITH THE WORD "CONTROLLED" AND WITH THE SYMBOL SHOWN IN FIGURE 406.3(E). THIS SHALL APPLY RECEPTABLES PROVIDED IN SYSTEM FURNITURE, AS WELL, MARKING SHALL BE LOCATED ON THE CONTROLLED RECEPTACLE OUTLET WHERE VISIBLE AFTER INSTALLATION, IN ACCORDANCE WITH NEC 406.3(E).
- THERMOSTAT MOUNTED 5'-0" ABOVE FINISHED FLOOR. PROVIDE A RECESSED DEVICE BOX FOR EACH FLOOR, SIZED PER THERMOSTAT MANUFACTURER, WITH 3/4" EMT CONDUIT UP TO ACCESSIBLE SPACE ABOVE CEILING, TERMINATED WITH BUSHING. PROVIDE LOW VOLTAGE WIRING PER HVAC MECHANICAL DESIGN AND MANUFACTURER. REFER TO HVAC MECHANICAL DRAWINGS FOR ADDITIONAL DETAILS, REQUIREMENTS AND EXACT LOCATION PRIOR TO ROUGH-IN.

WHITE RABBIT RESTAURANT
RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801

ELECTRICAL PLANS

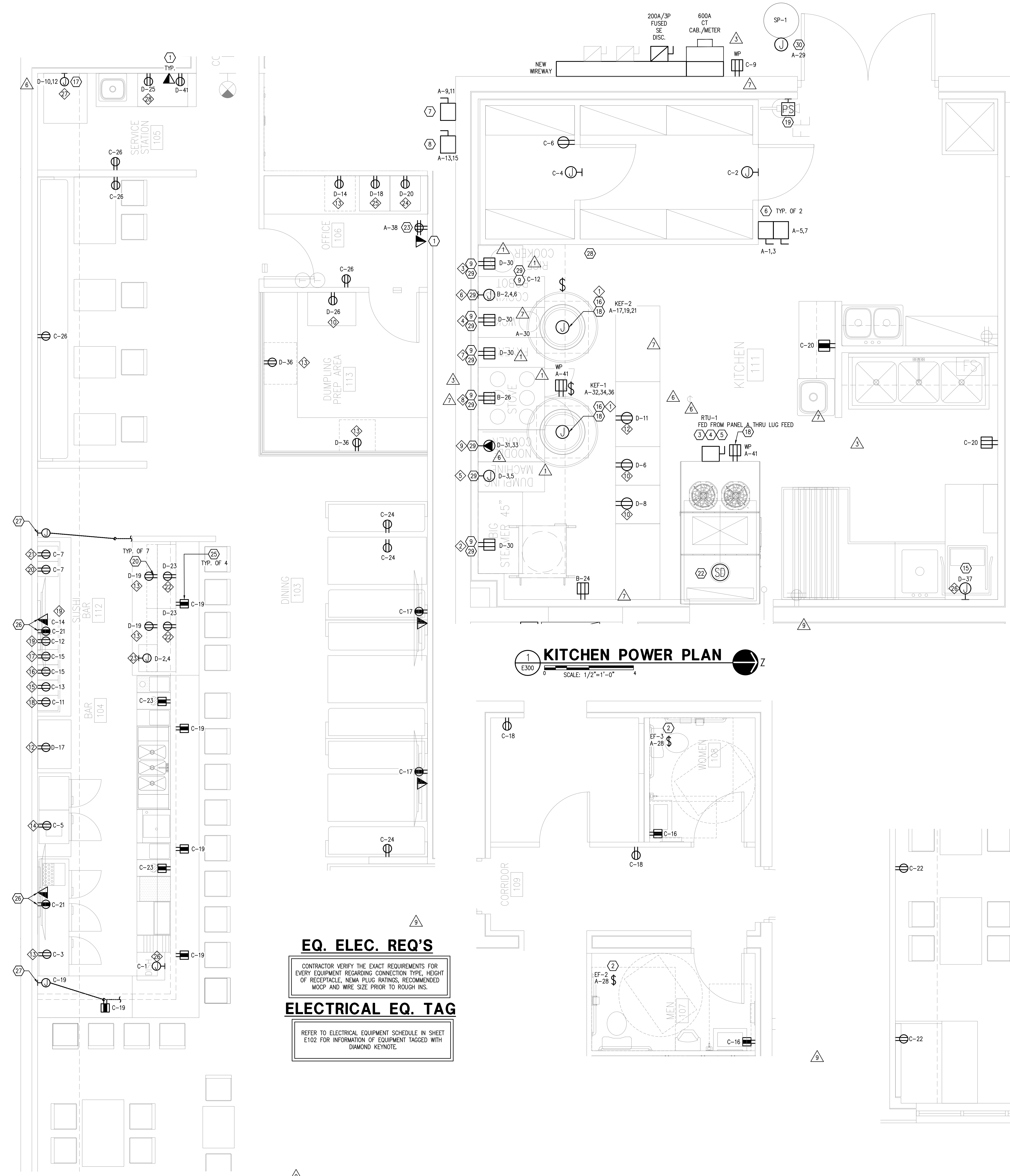
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Engineer
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PROFESSIONAL ENGINEER

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22500

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POWER PLAN KEY NOTES:

- FOR EACH NEW TELEPHONE/DATA OUTLET SHOWN, PROVIDE A 4" SQUARE, DEEP DEVICE BOX WITH A BLANK SINGLE-GANG FACEPLATE. PROVIDE 3/4" CONDUIT CONCEALED, EMPTY WITH PULL STRING FROM THE DATA DEVICE BOX TO AN ACCESSIBLE SPACE ABOVE THE CEILING, TERMINATED WITH BUSHING. MATCH COLOR OF FACEPLATE WITH ARCHITECTURAL DRAWINGS. REFER TO TELEPHONE TERMINAL BOARD RISER DIAGRAM FOR ADDITIONAL DETAILS AND REQUIREMENTS.
- RESTROOM EXHAUST FAN IS CONTROLLED BY 2-POLE OCCUPANCY WITH 1-POLE SERVING THE LIGHTING AND 1-POLE SERVING THE EXHAUST FAN.
- COORDINATE CONDUIT PENETRATIONS WITH THE CONDENSATE PIPING PENETRATIONS THROUGH THE ROOF. THE ROOFING CONTRACTOR SHALL PROVIDE ALL PATCHING, SEALING, FLASHING, ETC., AS REQUIRED TO SEAL CONDUIT PENETRATIONS FOR WATER AND AIR TIGHTNESS. PROVIDE ALL MATERIALS AND LABOR REQUIRED TO MAINTAIN THE ROOF WARRANTY.
- RTU IS ROOF MOUNTED. PROVIDE 240V, 3P, 100A FUSED AT 80A FOR RTU-1A, 200A FUSED AT 125A FOR RTU-2A. FUSED DISCONNECT SHALL BE HEAVY DUTY SAFETY SWITCH IN A NEMA 3R PAINTED STEEL ENCLOSURE, STRUT MOUNTED TO THE ROOF. INSTALL THE NEC REQUIRED MAINTENANCE RECEPTACLE, MOUNTED TO THE DISCONNECT. ROUTE CONDUIT FOR BOTH THE DISCONNECT AND THE RECEPTACLE THROUGH THE ROOF PENETRATION. USE LFMC CONDUIT TO CONNECT THE DISCONNECT TO THE RTU. SAFETY SWITCH SHALL BE AS MANUFACTURED BY EATON, OR APPROVED EQUAL BY OTHERS. REFER TO HVAC DRAWINGS FOR ADDITIONAL DETAILS AND REQUIREMENTS.
- MOUNT DISCONNECT AND NEC REQUIRED MAINTENANCE RECEPTACLE TO ROOF WITH UNISTRUT AND POST BASE BOLTED TO ROOF. PATCH AND SEAL ROOF PENETRATIONS FOR CONDUIT AND MOUNTING CURBS IN ACCORDANCE WITH THE ROOF MANUFACTURER'S REQUIREMENTS IN ORDER TO MAINTAIN ROOF WARRANTY. RECEPTACLE SHALL BE GFCI AND WEATHERPROOF TYPE.
- PROVIDE POWER TO WALK-IN COOLER/ FREEZER CONTROLLER. PROVIDE CONTROL WIRING FROM EACH CONTROLLER TO EVAPORATOR COIL FANS AND DEFROST HEATERS PER MANUFACTURER'S DRAWINGS.
- PROVIDE 30A/2P/NF NEMA 3R, DISCONNECT SWITCH TO FEED CONDENSING UNIT 1. COORDINATE LOCATION WITH REFRIGERATION CONTRACTOR PRIOR TO INSTALLATION.
- PROVIDE 60A/2P/NF NEMA 3R, DISCONNECT SWITCH TO FEED CONDENSING UNIT 2. COORDINATE LOCATION WITH REFRIGERATION CONTRACTOR PRIOR TO INSTALLATION.
- PROVIDE 120V GFCI RECEPTACLE FOR CONTROLS ONLY. RECEPTACLE SHALL BE LOCATED AT ACCESSIBLE HEIGHT. COORDINATE MOUNTING HEIGHT WITH EQUIPMENT INSTALLER PRIOR TO INSTALLATION.
- NOT USED.
- NOT USED.
- PROVIDE 120V, GFCI, WEATHERPROOF RECEPTACLE TO FEED PROPANE TANK METER. COORDINATE EXACT LOCATION AND HEIGHT WITH VENDOR AND OWNER PRIOR TO INSTALLATION.
- NOT USED.
- NOT USED.
- PROVIDE WALL MOUNTED JUNCTION BOX FOR DISHWASHER.
- PROVIDE 3/4" 1#12 G IN 3/4" CONDUIT TO FURNISHED MANUFACTURER'S DISCONNECT SWITCH FOR KITCHEN EXHAUST FAN. FAN SHALL BE INTERLOCKED WITH RTU-DOAS UNIT. INTERNAL WIRING SHALL BE FURNISHED PER UNIT.
- PROVIDE 20B/1P JUNCTION BOX FOR FUTURE ICE CUBE MAKER. COORDINATE MOUNTING HEIGHT WITH EQUIPMENT INSTALLER PRIOR TO INSTALLATION.
- PROVIDE WEATHER PROOF CONVENIENCE RECEPTACLE AT EACH MECHANICAL EQUIPMENT.
- MANUAL PULL STATION. REFER TO SHEET E102 FOR CONNECTION TO FIREALARM CONTROL PANEL.
- PROVIDE POWER FOR EQUIPMENT UNDER BAR. COORDINATE EXACT LOCATIONS AND HEIGHT WITH VENDOR PLANS PRIOR TO INSTALLATION.
- NOT USED.
- PROVIDE AUTOMATIC SMOKE DETECTION IN THIS ROOM, AS REQUIRED BY NFPA 72, SEC. 10.4.4. PROVIDE CONTROL WIRING BETWEEN MUA BOARD AND SMOKE DETECTOR. PROVIDE CONTROL WIRING BETWEEN SMOKE DETECTOR TO FIRE ALARM SYSTEM.
- PROVIDE FSC TOUCHSCREEN WITH DRAWING PANEL FOR SCENE CONTROL. CONNECT TO LIGHTING CONTROL PANEL. REFER TO LIGHTING PLAN FOR LIGHTING SWITCHING.
- PROVIDE 3/4" C, 2#12, 1#12G 120V POWER FOR GAS VALVE. PROVIDE 120VAC WIRING BETWEEN GAS LINE SOLENOID AND HOOD CONTROL PANEL RELAY. ADDITIONAL CHANGES WILL BE REQUIRED IF 24 VDC CONTROL IS USED. HOOD FIRE CONTROL PANEL CONTROLS THE GAS VALVE DIRECTLY AND DOES NOT REQUIRE A SHUNT TRIP.
- PROVIDE 15A RECEPTACLE TYPE LEVITON USE DUAL TYPE-C OR APPROVED EQUAL. RECEPTACLES SHALL BE MOUNTED 36" AFF.
- POWER AND DATA AT 78" AFF. FOR WALL MOUNTED TV, VERIFY LOCATION AND MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION.
- PROVIDE WALL MOUNTED JUNCTION BOX. EXTEND (2) 1" CONDUIT, 1#12, 1#12 G, TO FLOOR. ROUTE CONDUITS THROUGH TRENCHES. STUB UP AT THE COUNTER TO FEED RECEPTACLES SHOWN. COORDINATE WITH MILLWORK DRAWINGS THE CONDUIT ROUTING PRIOR TO INSTALLATION.
- PROVIDE POWER TO HOOD#1 CONTROL PANEL. COORDINATE LOCATION WITH MANUFACTURER'S DRAWINGS PRIOR TO INSTALLATION. PROVIDE 3/4" C, 2#12, 1#12 G FIRE CONTROL PANEL TO JUNCTION BOX AT THE TOP OF THE HOOD FOR LIGHTING.
- OVER CURRENT PROTECTIVE DEVICE FOR THIS EQUIPMENT INCLUDES A SHUNT TRIP CONNECTED TO THE HOOD FIRE CONTROL PANEL. REFER TO PANELBOARD SCHEDULES.
- PROVIDE 120V/20A CIRCUIT TO FEED SLUMP PUMP THROUGH HARD WIRED CONNECTION. COORDINATE EXACT LOCATION AND HEIGHT WITH PLUMBING ENGINEER PRIOR TO INSTALLATION.

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- VOLTAGE DROP IN ACCORDANCE WITH FLORIDA BUILDING CODE 7TH EDITION (2020) ENERGY CONSERVATION CODE CHAPTER 4, SECTION C405.3.3 HAS TAKEN IN ACCOUNT FOR THIS PROJECT.
- WHERE CONDUITS ARE CALLED TO BE INSTALLED EMPTY, PROVIDE A 3/16" POLYPROPYLENE PULL STRING. EMT SHALL BE INSTALLED CONCEALED FROM THE DEVICE/OUTLET BOX UP TO ACCESSIBLE SPACE ABOVE CEILING, TERMINATED WITH A BUSHING. WHERE HARD CEILINGS ARE INSTALLED, ROUTE CONDUIT TO NEAREST ACCESSIBLE LOCATION.
- ALL WIRING CONNECTING FROM THE EXTERIOR, INCLUDING WIRING STUBBED UP THROUGH CONCRETE SLAB, SHALL BE INSTALLED IN GRS CONDUIT AND SHALL BE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 344. THIS INCLUDES THE MAIN POWER FEED FROM THE SERVICE ENTRANCE FUSED DISCONNECT, ANY TELEPHONE AND DATA CONDUITS, AND ANY CIRCUITS MOUNTED ON THE ROOF. PROVIDE DUKSAL IN THESE CONDUITS. PROVIDE LINK-SEAL BY EATON CROUSE-HINDS OR APPROVED EQUAL BY OTHERS FOR ALL EXTERIOR CONDUIT PENETRATIONS. WHERE CONNECTING TO EQUIPMENT THAT HAS ROTATING OR VIBRATING PARTS (E.G. RTU, MOTOR, ETC.), TRANSITION TO LFMC CONDUIT AND INSTALL IN ACCORDANCE WITH NEC ARTICLE 350.
- MULTIPLE BRANCH CIRCUITS SHALL NOT HAVE A SHARED NEUTRAL CONDUCTOR.
- REFER TO PANELBOARD SCHEDULES FOR CONDUIT AND WIRE SIZES. WHERE MC CABLE IS PROVIDED, THE CONDUIT SIZE IS IGNORED.
- WORKING CLEARANCES SHALL BE PROVIDED TO ALL ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 110.26. PROVIDE HAZARD FLOOR MARKING TAPE BY SAFETYAC OR APPROVED EQUAL, TO MARK THE WORKING CLEARANCES REQUIRED IN FRONT OF ALL ELECTRICAL EQUIPMENT. SAFETY FLOOR MARKING TAPE SHALL BE 3" WIDE, LOW PROFILE, 100% SMAR AND SOUFF RESISTANT WITH TAPERED EDGES.
- ALL WIRING IN THE WAREHOUSE SHALL BE RUN EXPOSED IN EMT CONDUIT AND INSTALLED IN ACCORDANCE WITH NEC ARTICLE 358. WHERE CONNECTING TO EQUIPMENT THAT HAS ROTATING OR VIBRATING PARTS (E.G. VAV, MOTOR, ETC.), TRANSITION TO FMC CONDUIT AND INSTALL IN ACCORDANCE WITH NEC ARTICLE 346.
- WHERE PENETRATING A FIRE RATED WALL ASSEMBLY FOR WIRING, UTILIZE A UL LISTED FIRE-RATED ASSEMBLY, SIZED FOR THE CONDUIT MAKING THE PENETRATION, RATED FOR THE TYPE OF MATERIAL PENETRATING THE ASSEMBLY AND THE MATERIAL BEING PENETRATED, AND POSSESSING THE FIRE RATING OF THE ORIGINAL WALL ASSEMBLY. PENETRATION SHALL BE BY USG OR APPROVED OTHER.
- REFER TO HVAC WIRING DIAGRAMS AND SCHEDULES FOR CIRCUIT REQUIREMENTS OF HVAC EQUIPMENT.
- ALL WIRING IN THE OFFICE SPACE SHALL BE INSTALLED CONCEALED IN THE WALLS AND CEILING, AS MC CABLE, UNLESS OTHERWISE NOTED. MC CABLE SHALL BE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 330. WIRING INSTALLED IN THE OFFICE SPACE AND TRANSITIONING TO THE WAREHOUSE SPACE TO TERMINATE IN A PANELBOARD, SHALL TERMINATE IN A JUNCTION BOX OR WIREWAY FIRST. EMT CONDUIT SHALL CONNECT THE JUNCTION BOX OR WIREWAY TO THE PANELBOARD.
- ALL RECEPTACLES WITHIN 6'-0" OF A SINK SHALL BE GFCI PROTECTED. ALL CIRCUITS ON THE PANELBOARD SCHEDULE MARKED AS GFCI SHALL HAVE THE RECEPTACLES GFCI PROTECTED. NO GFCI CIRCUIT BREAKERS ARE REQUIRED IF THE RECEPTACLES ARE GFCI PROTECTED, AS SHOWN ON THE PLANS.
- ALL DEVICES SHOWN DIRECTLY ADJACENT TO A RECEPTACLE SHALL BE MOUNTED AT THE SAME HEIGHT ABOVE FINISHED FLOOR AS THE RECEPTACLE, UNLESS OTHERWISE NOTED.
- ALL CABLE INSTALLED IN THE ACCESSIBLE SPACE ABOVE THE CEILING SHALL BE PLENUM RATED.
- ALL WALL SWITCHES, RECEPTACLE, TEL/DATA/CABLE JACKS, FLUSH WTD JUNCTION BOX, AND EMPTY DEVICE BOX COVERS (EXISTING AND NEW) SHALL BE COORDINATED WITH THE ARCHITECT FOR COLOR AND STYLE AND BE REPLACED. REFER TO THE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS AND REQUIREMENTS. COVERS AND RECEPTACLES SHALL BE WHITE UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECTURAL DRAWINGS FOR ROOM NAMES AND NUMBERS.
- OCCUPANCY SENSOR, WALL SWITCH, RECEPTACLE AND TEL/DATA JACK COVERS SHALL BE COORDINATED WITH THE ARCHITECT FOR COLOR AND STYLE. REFER TO THE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS AND REQUIREMENTS. UNLESS OTHERWISE NOTED, COLOR SHALL BE WHITE.
- RECEPTACLES OR OUTLETS CONTROLLED BY AN AUTOMATIC CONTROL DEVICE (E.G. OCCUPANCY SENSOR), SHALL BE PERMANENTLY MARKED WITH THE WORD "CONTROLLED" AND WITH THE SYMBOL SHOWN IN FIGURE 406.3(E). THIS SHALL APPLY RECEPTACLES PROVIDED IN SYSTEM FURNITURE, AS WELL, MARKING SHALL BE LOCATED ON THE CONTROLLED RECEPTACLE OUTLET WHERE VISIBLE AFTER INSTALLATION, IN ACCORDANCE WITH NEC 406.3(E).
- THERMOSTAT MOUNTED 5'-0" ABOVE FINISHED FLOOR. PROVIDE A RECESSED DEVICE BOX FOR EACH DEVICE, SIZED PER THERMOSTAT MANUFACTURER, WITH 3/4" EMT CONDUIT UP TO ACCESSIBLE SPACE ABOVE CEILING, TERMINATED WITH BUSHING. PROVIDE LOW VOLTAGE WIRING PER HVAC MECHANICAL DESIGN AND MANUFACTURER. REFER TO HVAC MECHANICAL DRAWINGS FOR ADDITIONAL DETAILS, REQUIREMENTS AND EXACT LOCATION PRIOR TO ROUGH-IN.

EQ. ELEC. REQ'S
CONTRACTOR VERIFY THE EXACT REQUIREMENTS FOR EVERY EQUIPMENT REGARDING CONNECTION TYPE, HEIGHT OF RECEPTACLE, NEMA PLUG RATINGS, RECOMMENDED MOCP AND WIRE SIZE PRIOR TO ROUGH INS.

ELECTRICAL EQ. TAG
REFER TO ELECTRICAL EQUIPMENT SCHEDULE IN SHEET E102 FOR INFORMATION OF EQUIPMENT TAGGED WITH DIAMOND KEYNOTE

1 BAR AND DINING POWER PLAN
SCALE: 3/8"=1'-0"

2 RESTROOMS & OFFICE POWER PLAN
SCALE: 3/8"=1'-0"

3 LOUNGE POWER PLAN
SCALE: 1/2"=1'-0"

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REVISIONS

NO.	DATE	DESCRIPTION
1	02/22/23	CITY COMMENTS
2	03/07/24	REV - ELECTRICAL CHANGES
3	04/10/2025	REV - OWNER'S CHANGES
4	07/29/25	REV - OWNER'S CHANGES
5	09/04/2025	REV - PERMIT COMMENTS

Scale:

AS NOTED

Date:

01/27/2023

Drawn by:

MSH

Checked by:

DDL

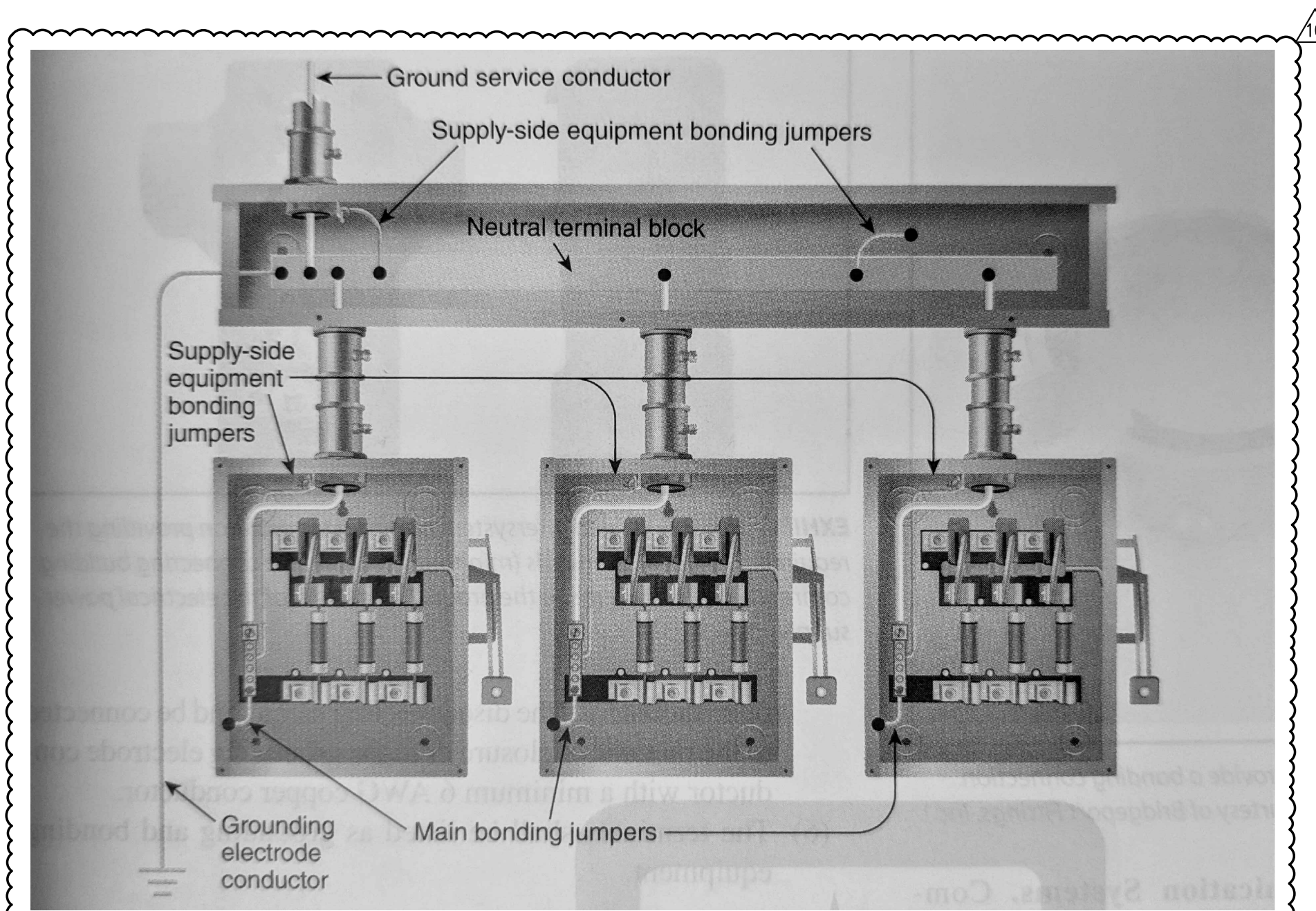
WHITE RABBIT RESTAURANT
RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801

Certified Professional Engineer
DREW DOUGLAS LILES
No 74669
09/04/2025
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Drawing Number:
E300
Of Sheets

Issued:
22500

ELECTRICAL POWER PLANS

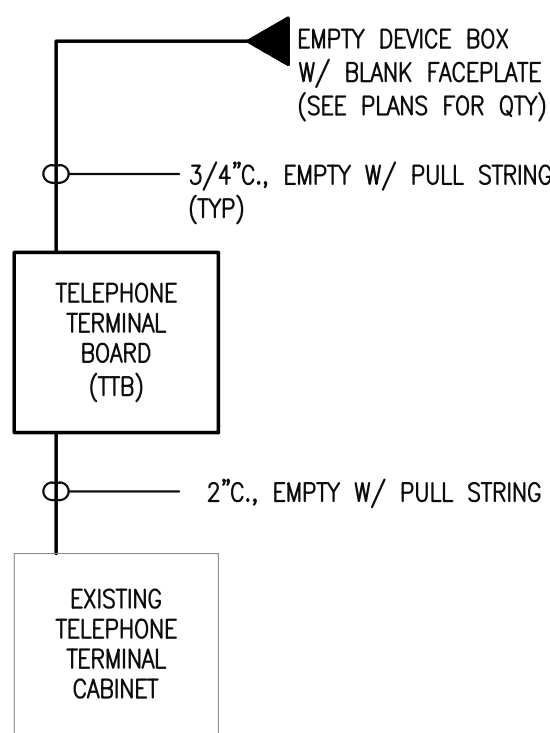


**SERVICE ENTRANCE WIREWAY
GROUNDING AND BONDING DETAIL**

SCALE: NONE

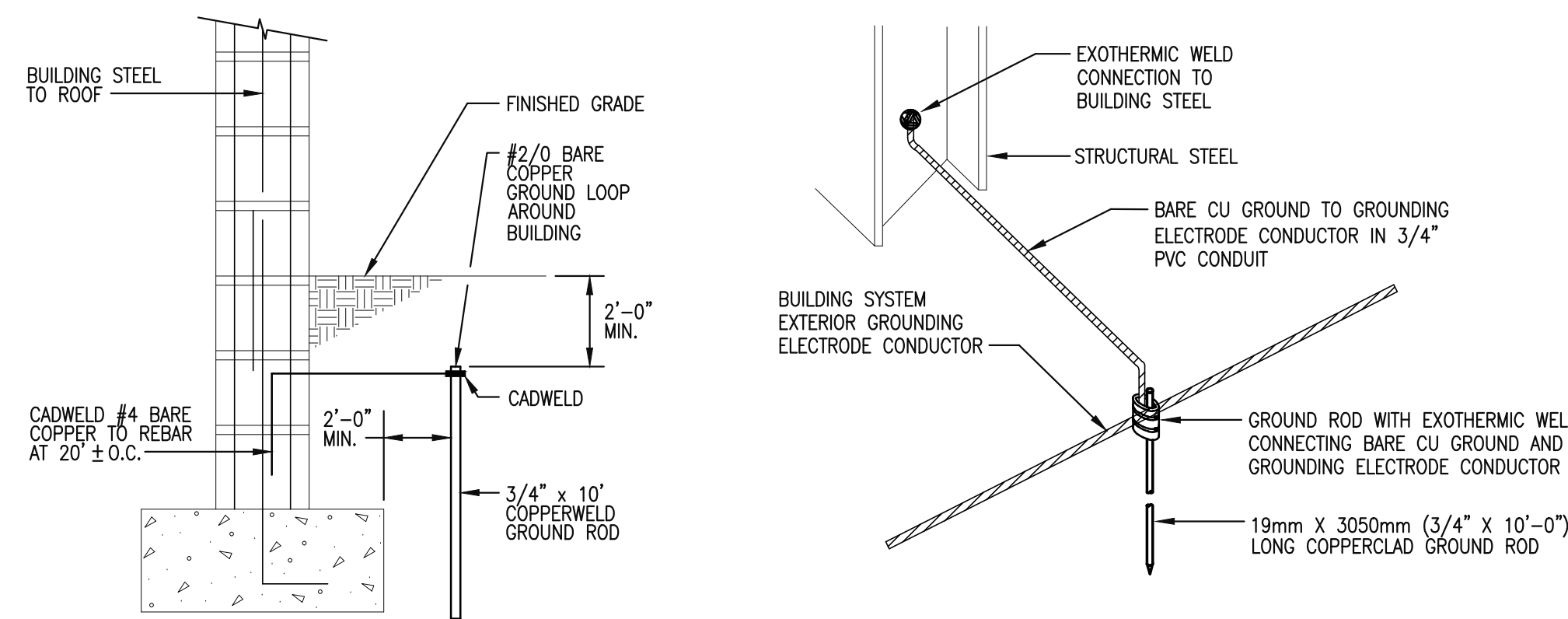
TELEPHONE SERVICE NOTES:

1. MAKE ALL NECESSARY ARRANGEMENTS WITH THE TELEPHONE COMPANY AND INTERNET SERVICE PROVIDER FOR ANY SERVICE CALLS OR MEETINGS THAT MAY BE REQUIRED. FURNISH ALL LABOR AND MATERIAL REQUIRED BY THE TELEPHONE COMPANY OR INTERNET SERVICE PROVIDER AND PAY ALL CHARGES ASSOCIATED WITH PROVIDING THE SERVICES.
2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT TELEPHONE AND INTERNET SERVICE PROVIDER INDUSTRY STANDARDS. COMPLY WITH APPLICABLE REQUIREMENTS OF NEMA AND UL STANDARDS. PROVIDE PRODUCTS AND COMPONENTS THAT HAVE BEEN UL LISTED AND LABELED.
3. OUTLET BOXES SHALL CONSIST OF 4" SQUARE DEEP BOXES WITH SINGLE-GANG FACEPLATE, UNLESS OTHERWISE NOTED. PROVIDE MINIMUM 2 1/4" DEEP BOXES UNLESS REQUIRED OTHERWISE BY FIELD CONDITIONS.
4. PROVIDE CONDUIT SHOWN FROM OUTLET BOXES TO ACCESSIBLE SPACE ABOVE CEILING, TERMINATED WITH BUSHING. WHERE HARD CEILINGS ARE INSTALLED, ROUTE CONDUIT TO NEAREST ACCESSIBLE LOCATION. PROVIDE LARGER CONDUIT AS SHOWN ON THE PLANS, WHERE REQUIRED, ESPECIALLY AT MULTI-FUNCTION COPIERS AND FURNITURE FEEDS.
5. ENSURE BOTH SIDES OF TELEPHONE TERMINAL BOARD IS PAINTED WITH 2 COATS OF FIRE RETARDANT PAINT PRIOR TO INSTALLATION.
6. PROVIDE (1) 2" CONDUIT FOR TELEPHONE SERVICE FROM THE EXISTING MAIN TELEPHONE TERMINAL CABINET TO THE SUITE TELEPHONE TERMINAL BOARD, TERMINATED WITH BUSHINGS. INTERNET SERVICE PROVIDER POINT OF SERVICE TO BE FIELD LOCATED.
7. PROVIDE A GROUND BAR AT EACH TELEPHONE TERMINAL BACKBOARD LOCATION. PROVIDE A #6 GREEN COPPER GROUND FROM EACH GROUND BAR TO THE MAIN TELEPHONE SYSTEM GROUND AND TO THE NEAREST BUILDING GROUNDING ELECTRODE SYSTEM.



**TELEPHONE TERMINAL BOARD
RISER DIAGRAM**

SCALE: NONE

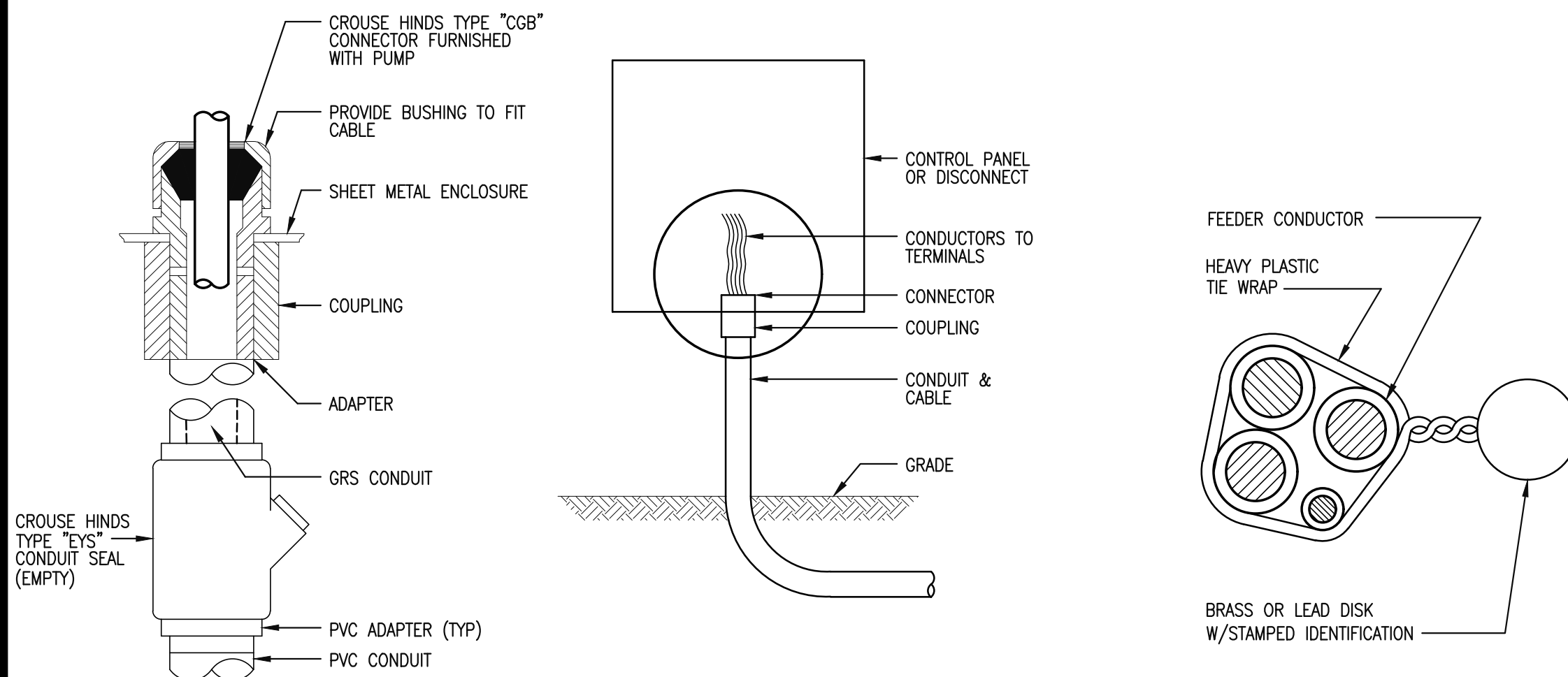


**BUILDING STRUCTURE
BONDING DETAIL**

SCALE: NONE

**STRUCTURAL STEEL
GROUNDING DETAIL**

SCALE: NONE

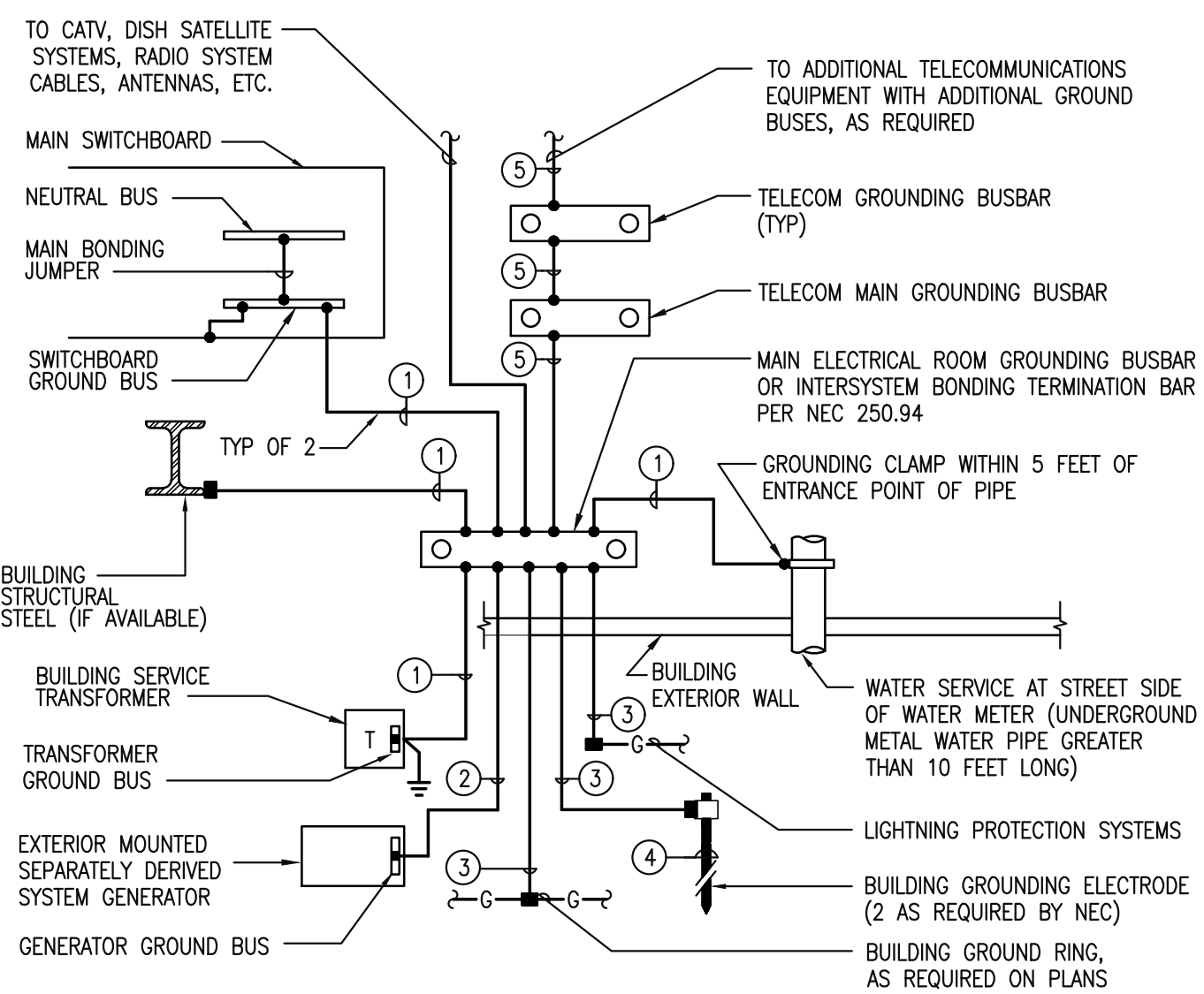


**TYPICAL WATER TIGHT
CONNECTION DETAIL**

SCALE: NONE

**UNDERGROUND CABLE
TAG DETAIL**

SCALE: NONE



LEGEND:

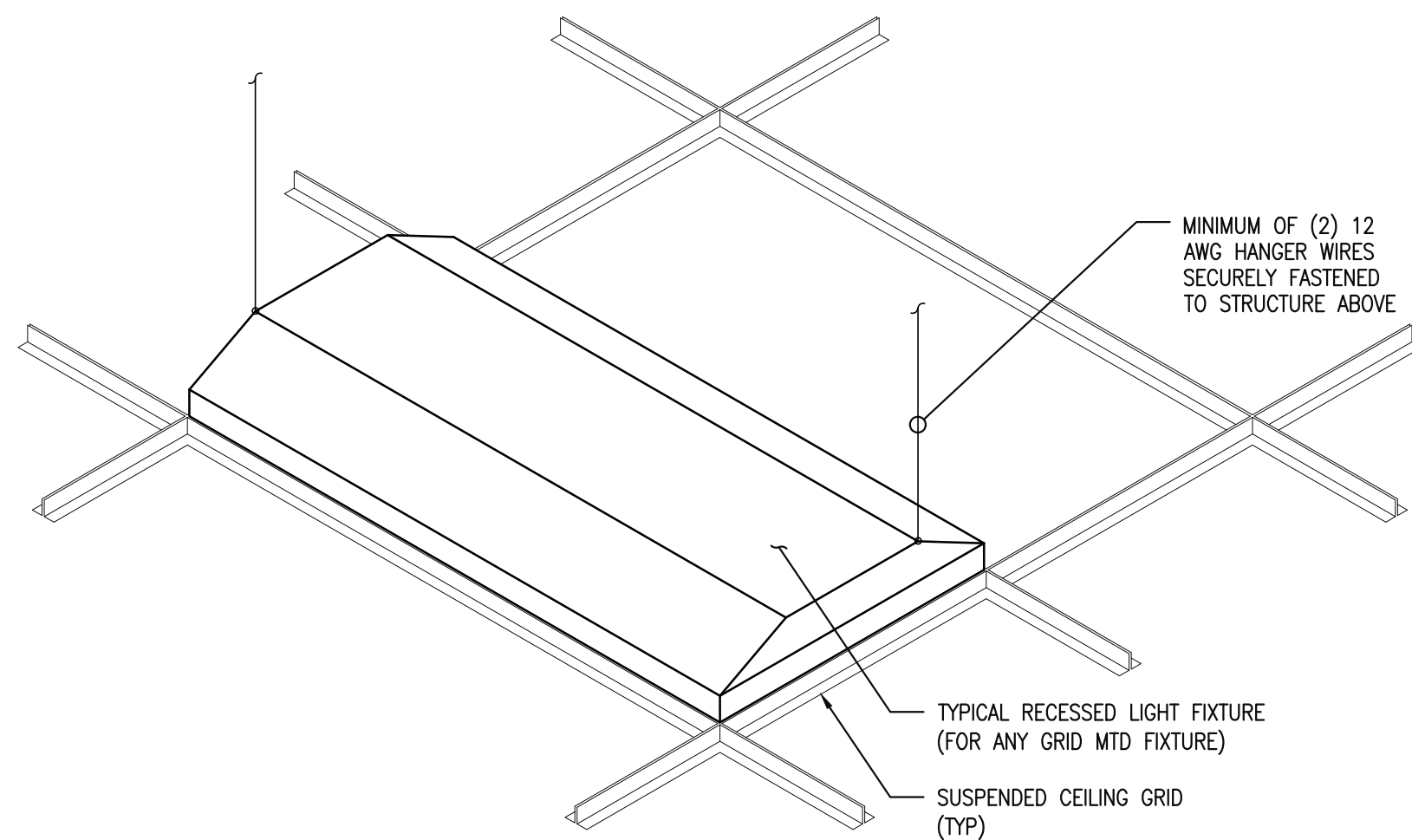
- INDICATES MECHANICALLY BOLTED CONNECTION.
- INDICATES EXOTHERMIC WELD CONNECTION, COMPATIBLE WITH MATERIALS BEING JOINED.
- ① 3/0 AWG INSULATED COPPER GROUND CONDUCTOR IN 1" CONDUIT.
- ② 3/0 AWG COPPER GROUND CONDUCTOR ENCASED IN CONCRETE.
- ③ 3/0 AWG BARE COPPER GROUND CONDUCTOR (GROUNDING ELECTRODE CONDUCTOR).
- ④ 3/4" x 10'-0" LONG COPPER-CLAD GROUND ROD DRIVEN WITH TOP 12" BELOW GRADE.
- ⑤ 3/0 AWG INSULATED COPPER GROUND CONDUCTOR IN 1" CONDUIT.

DETAIL NOTES:

1. COMPONENTS SHOWN ARE NOT NECESSARILY INSTALLED UNDER THE SCOPE OF THIS PROJECT. SOME OF THE COMPONENTS SHOWN ARE EXISTING. NEW ELECTRICAL AND GROUNDING EQUIPMENT SPECIFIED UNDER THE SCOPE OF THIS PROJECT SHALL CONNECT TO NEW AND EXISTING EQUIPMENT AS SHOWN BY THIS SCHEMATIC DETAIL.
2. REFER TO PLANS AND RISER DIAGRAMS FOR ADDITIONAL DETAILS AND REQUIREMENTS.

**BUILDING GROUNDING ELECTRODE
SYSTEM SCHEMATIC DETAIL**

SCALE: NONE

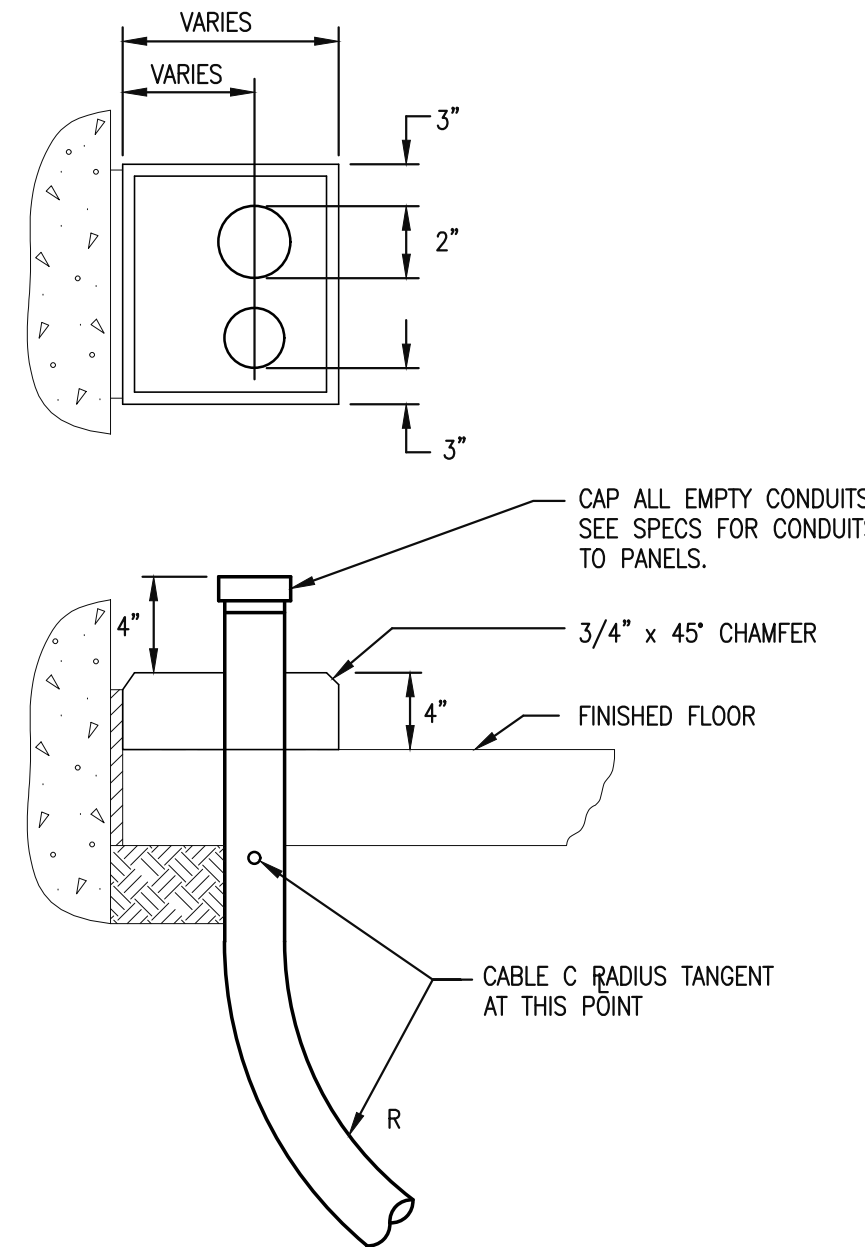


**RECESSED LUMINAIRE
MOUNTING DETAIL**

SCALE: NONE

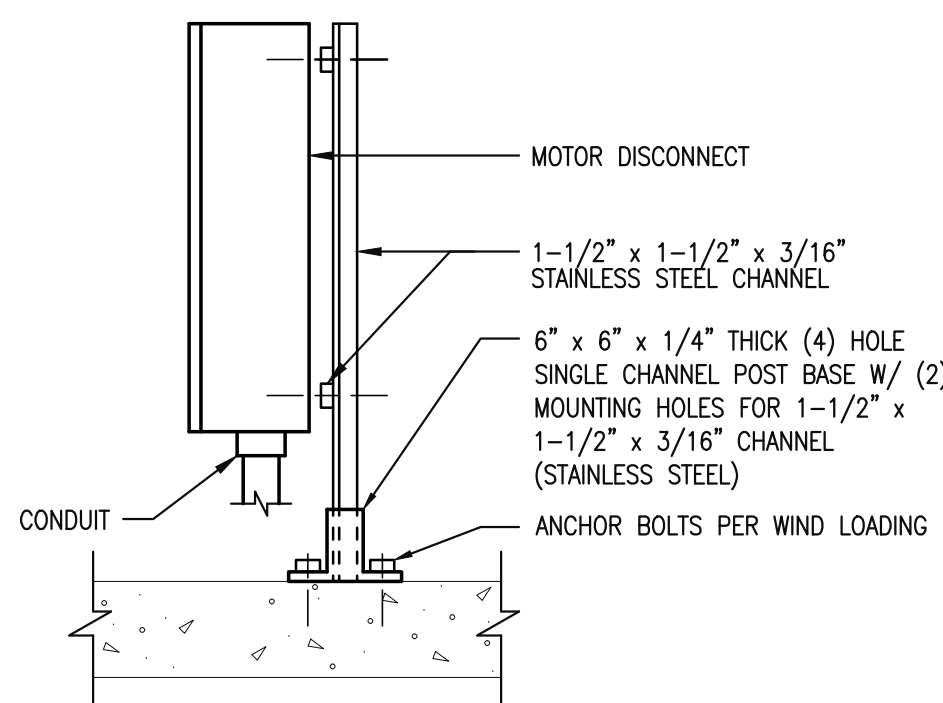
DETAIL NOTES:

1. ALL RECESSED LIGHT FIXTURES SHALL ADHERE TO THE REQUIREMENTS OF NEC ARTICLES 410.110 THROUGH 410.122. INSTALL AS REQUIRED BY ELECTRICAL NOTES, SPECIFICATIONS, AND LIGHTING FIXTURE SCHEDULE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR GRID CONSTRUCTION DETAILS. INSTALLATION OF RECESSED LIGHT FIXTURES SHALL BE IN ACCORDANCE WITH FLORIDA BUILDING CODE (FBC) CHAPTER 8, SECTION 808.1.1.1, AMERICAN SECTION OF INTERNATIONAL ASSOCIATION FOR TESTING MATERIALS (ASTM) C636 AND ASTM C636, PER ASTM C636, SECTION 2.7.2. LIGHT FIXTURES SHALL NOT BE SUPPORTED FROM THE GRID IF THE FIXTURE CAUSES THE TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY OF THE SUSPENSION SYSTEM.



**TYPICAL CONDUIT
THRU SLAB DETAIL**

SCALE: NONE

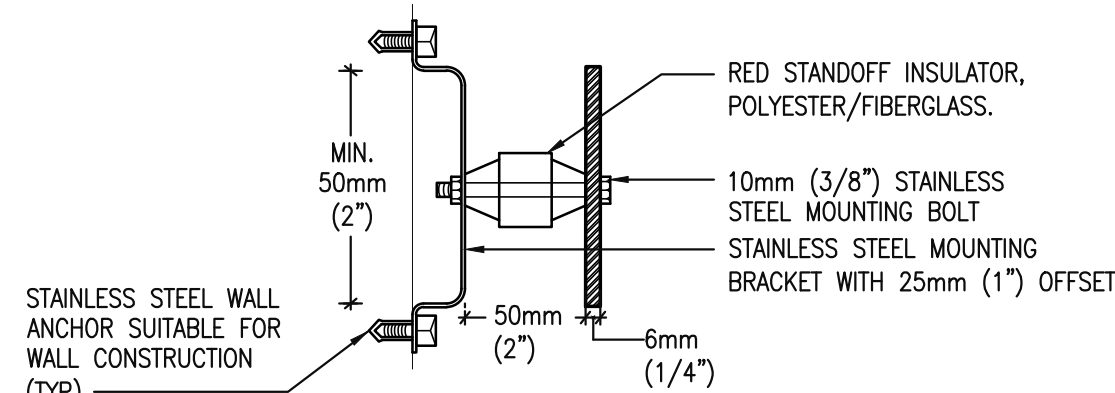


DETAIL NOTES:

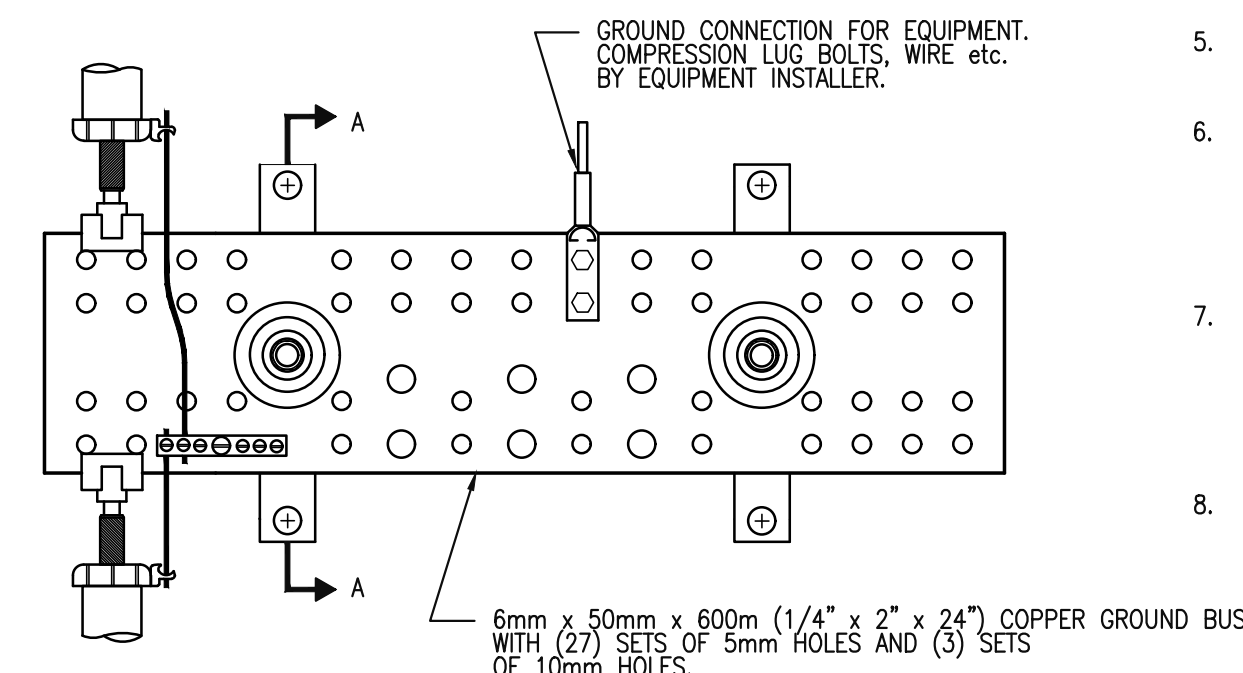
1. FOR ALL ROOF MOUNTED EQUIPMENT AND CONDUIT ROOF PENETRATIONS, CONTRACTOR SHALL PROCURE THE SERVICES OF A LICENSED ROOFING CONTRACTOR TO PROVIDE ALL SEALING, FLASHING, CURSING, ETC., REQUIRED TO PROPERLY WATERPROOF AND SEAL CONDUIT AND MOUNTING HARDWARE PENETRATIONS. INSULATION SHALL MATCH THE EXISTING ROOF IN THERMAL EFFICIENCY AND MAINTAIN AIR/WATER TIGHTNESS. ROOFING MODIFICATIONS, PATCHING, REPAIRS, ETC., SHALL BE PERFORMED IN ACCORDANCE WITH THE ROOFING MANUFACTURER'S WARRANTY TO MAINTAIN EXISTING ROOF WARRANTY.

**TYPICAL DISCONNECT
ROOF MOUNTING DETAIL**

SCALE: NONE



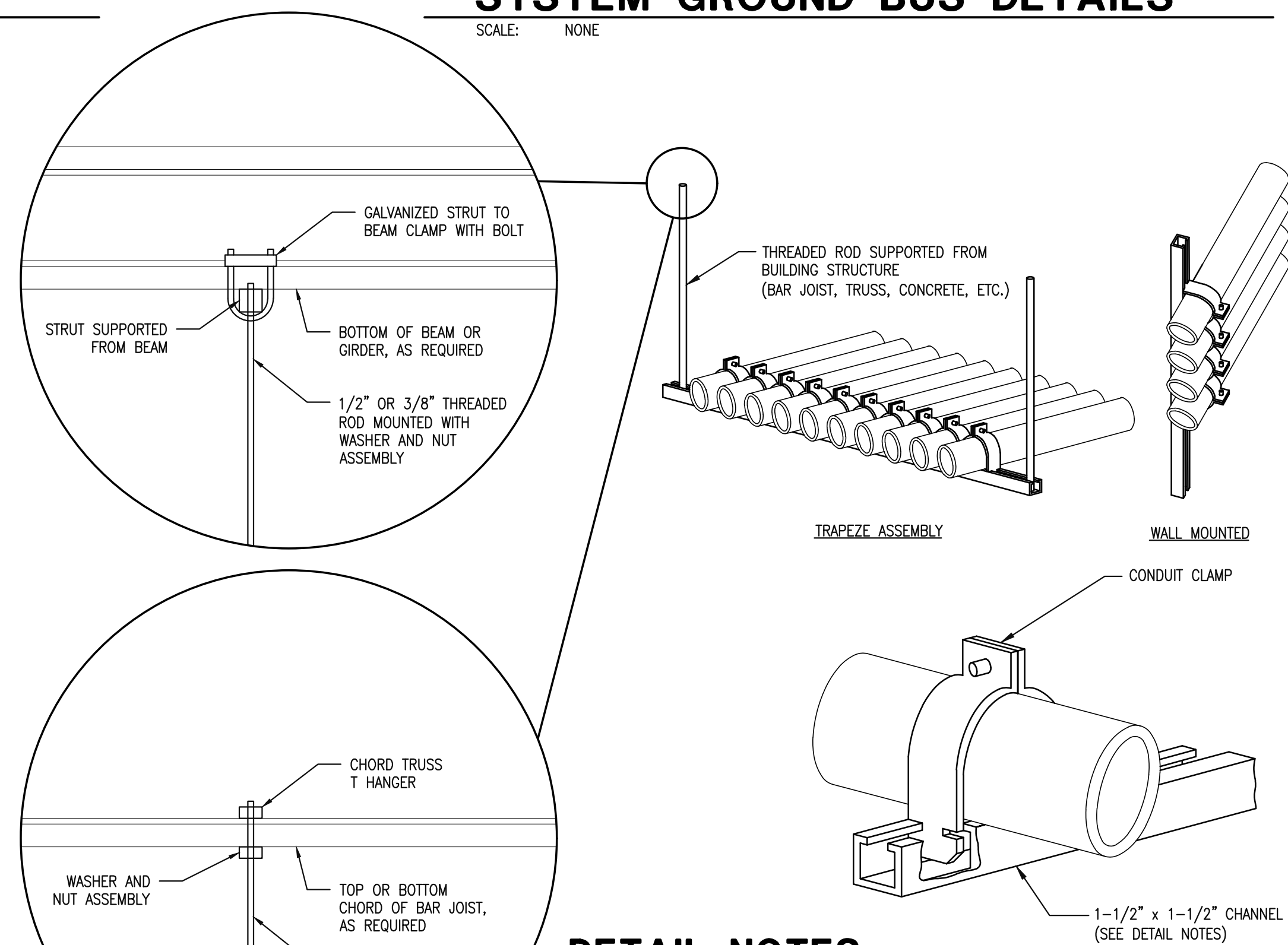
SECTION "A-A"



FRONT ELEVATION

**BUILDING TELECOMMUNICATIONS
SYSTEM GROUND BUS DETAILS**

SCALE: NONE



DETAIL NOTES:

1. INDOOR CHANNEL AND MOUNTING HARDWARE SHALL BE HOT DIP GALVANIZED STEEL. OUTDOOR CHANNEL AND MOUNTING HARDWARE SHALL BE 304 STAINLESS STEEL.
2. MOUNTING HARDWARE SHALL BE DESIGNED FOR THE LOAD IT SHALL CARRY. COORDINATE WITH THE MANUFACTURER FOR SUPPLYING THE PROPER MOUNTING HARDWARE.
3. EXAMPLE SHOWS THREADED ROD SUPPORTED FROM STRUT AND BEAM CLAMP. CONTRACTOR SHALL USE HEAVY DUTY SLEEVE ANCHOR FOR MOUNTING DIRECTLY INTO CONCRETE. CONTRACTOR SHALL COORDINATE WITH THE STRUCTURAL DESIGNER FOR ACCEPTABLE MEANS AND METHODS FOR SUPPORTING RACEWAYS, BOXES, FITTINGS AND RACEWAYS FROM NEW AND EXISTING STRUCTURES. CONTRACTOR SHALL USE APPROPRIATE MEANS TO ANCHOR THE THREADED ROD, BASED ON THE MATERIAL OR STRUCTURAL BEING MOUNTED TO.
4. INSTALL AS REQUIRED PER ELECTRICAL NOTES AND SPECIFICATIONS.

**CONDUIT PIPE STRAP
MOUNTING DETAILS**

SCALE: NONE

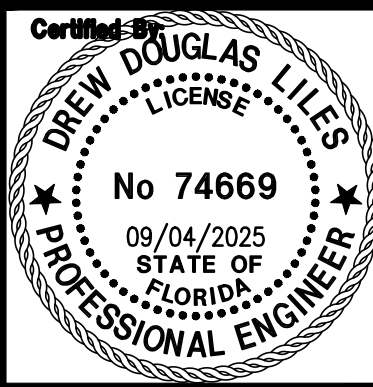
DETAIL NOTES:

1. COMPONENTS SHOWN ARE NOT NECESSARILY INSTALLED UNDER THE SCOPE OF THIS PROJECT. SOME OF THE COMPONENTS SHOWN ARE EXISTING. NEW ELECTRICAL AND GROUNDING EQUIPMENT SPECIFIED UNDER THE SCOPE OF THIS PROJECT SHALL CONNECT TO NEW AND EXISTING EQUIPMENT AS SHOWN BY THIS SCHEMATIC DETAIL.
2. REFER TO PLANS AND RISER DIAGRAMS FOR ADDITIONAL DETAILS AND REQUIREMENTS.
3. ADDITIONAL GROUND CONNECTIONS SHALL BE PROVIDED BY THE TELECOMMUNICATIONS EQUIPMENT INSTALLER. COORDINATE WITH THE TENANT'S IT REPRESENTATIVE AND THE LOW VOLTAGE SYSTEM DESIGNER FOR ADDITIONAL DETAILS AND REQUIREMENTS.
4. REFER TO GROUNDING AND BONDING DIAGRAM FOR ADDITIONAL DETAILS AND REQUIREMENTS.
5. ALL WALL ANCHORS, MOUNTING HARDWARE, BOLTS, WASHERS, ETC. SHALL BE STAINLESS STEEL.
6. SUITE OR TENANT LEVEL TELECOMMUNICATIONS ROOMS OR TELEPHONE TERMINAL BACKBOARDS/CABINETS SHALL HAVE TELECOM MAIN GROUNDING BUS BAR (TMGB), CPI PN 40153-020 AS MANUFACTURED BY CHATSWORTH PRODUCTS, INC., OR EQUAL BY OTHERS.
7. FLOOR OR BUILDING LEVEL TELECOMMUNICATIONS ROOMS OR TELEPHONE TERMINAL BACKBOARDS/CABINETS SHALL HAVE TELECOM MAIN GROUNDING BUS BAR (TMGB), CPI PN 40153-020 AS MANUFACTURED BY CHATSWORTH PRODUCTS, INC., OR EQUAL BY OTHERS.
8. ALL GROUNDING BUSBARS MUST BE UL AND NRTL LISTING WITH PRE-DRILLED TWO-HOLE LUGS PER IBCSI AND ANSI/EIA/TIA.

WHITE RABBIT RESTAURANT

RESTAURANT BUILD OUT
27 EAST ROBINSON STREET
ORLANDO, FL 32801

ELECTRICAL DETAILS



Drawing Number:

E400

Of Sheets

Issued:

A/E Job Number:

22500

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