

OLD MEMORIAL

SITE ADDRESS

13600 Hixon Rd, Tampa, FL 33626

SITE LOCATION MAP

GENERAL NOTES

- EXISTING ITEMS AND CONDITIONS ARE DEPICTED AND DESCRIBED ON THESE DRAWINGS ACCORDING TO THE BEST AVAILABLE INFORMATION AND SURVEYS. THE ARCHITECT PROVIDES NO ASSURANCE AS TO, AND ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THESE DEPICTIONS AND DESCRIPTIONS. FIELD VERIFY AND DETERMINE, BY ANY MEANS NECESSARY, THE ACTUAL LOCATION, CONFIGURATION AND CONDITION OF ALL PERTINENT ITEMS, INCLUDING THOSE THAT MAY BE IN CONCEALED LOCATIONS. IF INVESTIGATION DISCOVERS THAT ACTUAL CONDITIONS DIFFER FROM WHAT IS DEPICTED OR DESCRIBED ON THESE DRAWINGS OR IF THE ITEMS AND CONDITIONS THAT ARE TO REMAIN AS PART OF THE FINISHED WORK ARE UNSUITABLE TO SUPPORT OR ACCOMMODATE THE WORK REQUIRED FOR THIS PROJECT, OR DO NOT COMPLY WITH BUILDING CODE REQUIREMENTS OR MEET CONSTRUCTION INDUSTRY STANDARDS, IMMEDIATELY NOTIFY THE ARCHITECT BY RFI AND DO NOT PROCEED WITH THE WORK UNTIL RECEIPT OF SUPPLEMENTAL INSTRUCTIONS FROM THE ARCHITECT.
- DO NOT SCALE DRAWINGS. THE DIMENSIONS ON THE DRAWINGS GOVERN. WRITTEN NOTES REFERRING AN ITEM WITH THE WORD "TYPICAL" (TYP) APPLY TO ALL IDENTICAL ITEMS OR FEATURES INDICATED ELSEWHERE ON THE DRAWINGS.
- ESTABLISH AREAS AND LIMITS OF CONSTRUCTION ACTIVITY ACCEPTABLE TO THE OWNER AND PROVIDE THE TEMPORARY FACILITIES REQUIRED TO ACCOMPLISH THE WORK INCLUDING: FIELD OFFICE, TOILETS, ELECTRIC SERVICE, SITE ACCESS, PARKING, STORAGE AND CONSTRUCTION STAGING AREAS. PROVIDE TEMPORARY WALKWAYS, DRIVEWAYS, BARRIERS, SIGNS AND ILLUMINATION TO SEPARATE AND PROTECT THE GENERAL PUBLIC FROM THE WORK RELATED ACTIVITIES. PROVIDE ACCESS ROUTES TO AND FROM AREAS OF CONSTRUCTION ACTIVITY FOR CONSTRUCTION PERSONNEL THAT COMPLY WITH ALL OSHA AND OTHER GOVERNMENT SAFETY AND ACCESSIBILITY REQUIREMENTS. ASSUME FULL LIABILITY FOR ANY DAMAGE TO ADJACENT PROPERTIES, DAMAGE TO PERSONAL PROPERTY, INJURY TO PERSONS, ETC., CAUSED BY WORK RELATED ACTIVITIES OR NEGLIGENCE.
- PROVIDE TEMPORARY SHORING AS REQUIRED TO ADEQUATELY SUPPORT AND RETAIN EXISTING MATERIALS AND CONSTRUCTION AFFECTED BY THE WORK. PROTECT THOSE ITEMS, MATERIALS & FINISHES TO REMAIN. REMOVE ONLY THOSE ITEMS AND MATERIALS NECESSARY TO ACCOMMODATE THE WORK WITH CLEAN, UNIFORM CUTS. FILL AND PATCH REMAINING CONSTRUCTION AS REQUIRED WITH MATERIALS MATCHING THE ADJACENT MATERIALS IN KIND, STRENGTH, AND APPEARANCE SO AS TO FINISH UNIFORMLY WITHOUT TELEGRAPHING DIFFERENCES BETWEEN THE PATCHES AND THE ADJACENT CONSTRUCTION. REPAIR OR REPLACE ANY ITEMS, MATERIALS OR FINISHES DAMAGED BY THE WORK AT NO COST TO THE OWNER.
- PROVIDE THE ITEMS, PRODUCTS AND FEATURES AS DEPICTED, DESCRIBED AND SPECIFIED ON THE DRAWINGS. IF DISCREPANCIES ARE DISCOVERED ON THE DRAWINGS, NOTIFY THE ARCHITECT BY RFI AND DO NOT PROCEED WITH WORK RELATED TO ITEMS IN QUESTION UNTIL RECEIPT OF SUPPLEMENTAL INSTRUCTIONS FROM THE ARCHITECT. REQUESTS FOR SUBSTITUTIONS MAY BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION. DO NOT MAKE SUBSTITUTIONS WITHOUT THE APPROVAL OF THE ARCHITECT. WHERE A "BASIS-OF-DESIGN" PRODUCT IS SPECIFIED, A COMPARABLE PRODUCT MAY BE PROVIDED, SUBJECT TO COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- SUBMIT SHOP DRAWINGS, PRODUCT DATA AND SAMPLES TO THE ARCHITECT FOR REVIEW AS REQUIRED BY THE CONTRACT DOCUMENTS. DO NOT PROCEED WITH WORK RELATED TO SUBMITTALS MARKED "REJECTED" OR "REVISE AND RESUBMIT" BY THE ARCHITECT OR THE ARCHITECT'S CONSULTANTS. SUBMITTALS MARKED "APPROVED", "NO EXCEPTION TAKEN" OR "MAKE CORRECTIONS NOTED" DO NOT SUPERSEDE THE NEED TO COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. SHOP DRAWINGS/SUBMITTALS ARE REQUIRED FOR BUT NOT LIMITED TO THE FOLLOWING: MILLWORK, STRUCTURAL/MISCELLANEOUS STEEL, HARDWARE, WOOD AND METAL DOORS, AND EQUIPMENT. SHOP DRAWINGS SHOULD INCLUDE DETAILED FABRICATION AND ERECTION DRAWINGS, SETTING DRAWINGS, AND MATERIAL SCHEDULES. FABRICATION SHALL BEGIN ONLY AFTER ARCHITECT'S REVIEW AND APPROVAL OF SHOP DRAWINGS.
- PROVIDE A FLORIDA PRODUCT APPROVAL ISSUED BY THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION OR A MIAMI-DADE NOTICE OF ACCEPTANCE (NOA) ISSUED BY THE MIAMI-DADE COUNTY GOVERNMENT FOR EACH EXTERIOR COMPONENT AND CLADDING ASSEMBLY CERTIFYING THAT APPROVED TESTING HAS SUFFICIENTLY DEMONSTRATED THAT THE ASSEMBLY AND ITS COMPONENTS, AS DESIGNED AND MANUFACTURED, WILL WITHSTAND THE WIND LOADS AND WIND-BORNE MISSILE IMPACTS IN COMPLIANCE WITH ALL CODE AND JURISDICTIONAL REQUIREMENTS FOR THE PROJECT LOCATION WHEN INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS INCLUDING INSTRUCTIONS THAT MAY BE PROVIDED WITH THE FLORIDA PRODUCT APPROVAL OR NOA DOCUMENTS. PROVIDE THESE DOCUMENTS AS PART OF THE SUBMITTAL FOR EACH OF THESE ITEMS AND ASSEMBLIES FOR BCA APPROVAL.
- PROVIDE ALL ITEMS AND FEATURES DEPICTED AND DESCRIBED ON THESE DRAWINGS AND OTHER CONTRACT DOCUMENTS SO THEY ARE PROPERLY PLACED, ALIGNED, PLUMB, SECURED, FINISHED AND FUNCTIONING AS INTENDED. PROVIDE FINISHED WORK THAT MEETS OR EXCEEDS CURRENT INDUSTRY STANDARDS FOR QUALITY AND PERFORMANCE. ARRANGE AND CONDUCT INSPECTIONS OF THE FINISHED WORK WITH THE OWNER, THE ARCHITECT, AND THE AUTHORITY HAVING JURISDICTION. APPROVAL OF THE WORK BY THESE OR ANY OTHER PARTY OR AGENCY DOES NOT SUPERSEDE THE NEED TO COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- REMOVE CONSTRUCTION DEBRIS, INCLUDING DEMOLISHED MATERIALS, FROM THE SITE AS REQUIRED TO PREVENT ACCUMULATION. TRANSPORT THESE MATERIALS OFF THE SITE IN A MANNER THAT WILL PREVENT SPILLAGE AND LEGALLY DISPOSE OF THESE MATERIALS AT AN EPA APPROVED DISPOSAL OR RECYCLING FACILITY.
- KEEP COMPLETE AND LEGIBLE SETS OF CONSTRUCTION DOCUMENTS, ADDENDA, SUPPLEMENTAL INSTRUCTIONS, SUPPLEMENTAL DRAWINGS, MEETING NOTES, ETC. TOGETHER AND READILY AVAILABLE IN AN APPROPRIATE LOCATION ON SITE.
- CONCEAL CONDUIT, PIPING, ETC. WITHOUT EXCEPTION. PROVIDE ACCESSIBLE JUNCTION BOXES, VALVES, CLEANOUTS, ETC., AS REQUIRED BY CODE.
- WHERE POSSIBLE AND BEST PRACTICE, ALIGN THE SEAMS AND EDGES OF BREAK METAL AND FLASHING WITH ADJACENT REVEALS. EDGES OF MATERIAL TRANSITIONS, OR WITH BUILDING DESIGN FEATURES, CONSULT WITH ARCHITECT AS REQUIRED.
- PER OWNER - CONTRACTOR AGREEMENT, PROJECT TO FOLLOW ALL OSHA STANDARDS AND REQUIREMENTS. INCLUDE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) EXCAVATION SAFETY STANDARD 29 C.F.R., SECTION 1926.630 SUBPART F, WHICH ARE INCORPORATED AS THE STATE STANDARD.

ABBREVIATIONS

A/C	AIR CONDITIONING	MAX	MAXIMUM
AD	AREA DRAIN	MECH	MECHANICAL
ADA	AMERICANS WITH DISABILITIES ACT	MEP	MECHANICAL, ELECTRICAL, PLUMBING
ADD	ADDITIONAL	MFR	MANUFACTURER
ADJ	ADJUSTABLE	MISC	MISCELLANEOUS
AFF	ABOVE FINISH FLOOR	MTD	MOUNTED
ALT	ALTERNATE	MTL	METAL
AL	ALUMINUM	MULL	MULLION
ARCH	ARCHITECTURAL	N/A	NOT APPLICABLE
A/V	AUDIO VISUAL	NC	NOISE CRITERIA
BLDG	BUILDING	NIC	NOT IN CONTRACT
CMF	COLD FORM METAL FRAMING	NOM	NOMINAL
CJ	CONTROL JOINT / CONSTRUCTION JOINT	NRC	NOISE REDUCTION COEFFICIENT
CL	CENTER LINE	NTS	NOT TO SCALE
CLG	CEILING	OC	ON CENTER
CLR	CLEAR	OH	OVER HEAD
CMU	CONCRETE MASONRY UNIT	PLAM	PLASTIC LAMINATE
CO	CLEANOUT	PLBS	PLUMBING
COL	COLUMN	PREFAB	PREFABRICATED
CONC	CONCRETE	PT	PRESSURE TREATED
CTR	CENTER	PTD	PAINTED
DBL	DOUBLE	PTN	PARTITION
DEMO	DEMOLITION	PTx	PAINT
DEPT	DEPARTMENT	QC	QUALITY CONTROL
DF	DRINKING FOUNTAIN	QTY	QUANTITY
DIA	DIAMETER	R	RADIUS
DIFF	DIFFUSER	RCP	REFLECTED CEILING PLAN
DIM	DIMENSION	RD	ROOF DRAIN
DN	DOWN	REC	RECESSED
DWG	DRAWING	REF	REFERENCE
EA	EACH	REQ	REQUIRE / REQUIRED
EJ	EXPANSION JOINT	REV	REVISION / REVISED
ELEV	ELEVATION	RM	ROOM
ELEC	ELECTRICAL	SCHED	SCHEDULE
EQ	EQUAL	SD	STORM DRAIN
EQUIP	EQUIPMENT	SECT	SECTION
EW	ELECTRICAL WATER COOLER	SF	SQUARE FEET/FOOT
EXIST	EXISTING	SHT	SHEET
EXP	EXPANSION	SIM	SIMILAR
EXT	EXTERIOR	SPEC	SPECIFICATION
FA	FIRE ALARM	SPKR	SPEAKER
FACP	FIRE ALARM CONTROL PANEL	SPR	SPRINKLER
FD	FLOOR DRAIN	SS	STAINLESS STEEL
FDC	FIRE DEPARTMENT CONNECTION	SSK	SERVICE SINK
FEC	FIRE EXTINGUISHER CABINET	STD	STANDARD
FEX	FIRE EXTINGUISHER	STL	STEEL
FF	FINISH FLOOR	STOR	STORAGE
FF&E	FURNITURE, FINISHES & EQUIPMENT	STRL	STRUCTURAL
FIN	FINISH	SUSP	SUSPENDED
FXI	FIXTURE	SYMM	SYMMETRICAL
FT	FEET	TEL	TELEPHONE OR TELECOM
FURN	FURNITURE/ FURNISHED	THK	THICKNESS
GC	GENERAL CONTRACT/OR	THRU	THROUGH
GWB	GYPNUM WALLBOARD	TV	TELEVISION
HB	HOSE BIBB	TYP	TYPICAL
HDW	HARDWARE	UL	UNDERWRITERS LABORATORY
HM	HOLLOW METAL	UNFIN	UNFINISHED
HSS	HOLLOW STRUCTURAL SECTION	U.N.O.	UNLESS NOTED OTHERWISE
HT	HEIGHT	UR	URNAL
HVAC	HEATING, VENTILATING, AIR CONDITIONING	VCT	VINYL COMPOSITION TILE
HW	HOT WATER	VERT	VERTICAL
IN	INCH	VEST	VESTIBULE
LAV	LAVATORY	VIF	VERIFY IN FIELD
		W	WIDE, WIDTH
		W/	WITH
		W/O	WITHOUT
		WC	WATER CLOSET
		WD	WOOD
		XTR	EXISTING TO REMAIN

- Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD1
7/20/2026
- Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
- Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
- Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
- Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
- Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

SHEET #	SHEET NAME
A1-000	COVER SHEET
A1-100	LIFESAFETY PLAN
A1-101	FLOOR PLANS
A1-102	CEILING PLAN
A1-103	ROOF PLAN
A1-104	ELEVATIONS
A1-105	ENLARGED PLANS & INTERIOR ELEVATIONS
A1-106	DOOR HARDWARE
A-002	ARCHITECTURAL SITE PLAN

1

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OLD MEMORIAL

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Tampa, FL 33626

no.	description	date
	PERMIT SET	04.24.26
1	REVISION 01	06.19.26

A1-000
COVER SHEET

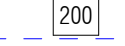
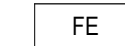
NUMBER	ROOM NAME	AREA (SF)	USE	FUNCTION OF SPACE	AREA (SF)	OCCUPANCY LOAD FACTOR	OCCUPANT TOTAL
100	parts room	178 SF	S	MECHANIC SHOP	300	1	1
101	irrigation office	245 SF	B		150	2	2
102	corridor	125 SF	B		150	1	1
103	bathroom 2	58 SF	B		150	1	1
104	bathroom 1	56 SF	B		150	1	1
105	office 2	238 SF	B		150	2	2
106	office 1	240 SF	B		150	2	2
107	maintenance	4352 SF	Industrial Areas	MECHANIC SHOP	100	44	44
108	grinding room	359 SF	Industrial Areas	MECHANIC SHOP	100	4	4
109	storage & charging	4032 SF	S-1		300	14	14
Grand total: 10		9904 SF				72	

LIFE SAFETY GENERAL NOTES

- ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED AS REQUIRED BY BUILDING AND FIRE CODES AND AS BY GOVERNING AUTHORITIES.
- VERIFY LOCATIONS FOR FIRE ALARM PULL STATIONS, FIRE ALARM ANNUNCIATOR PANEL, FIRE ALARM REMOTE CONTROL PANEL, EMERGENCY LIGHTING, STROBES AND AUDIBLE ALERTS.
- INSTALL FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10 BY A LICENSED FIRE EQUIPMENT DEALER. INSPECT, TAG, AND MOUNT ALL FIRE EXTINGUISHERS. SEE LOCATION IN PLAN
- ALL PANIC AND FIRE EXIT HARDWARE TO BE COMPLIANT WITH FBC SECTION 1008.1.10
- FINAL EXIT SIGNS AND EMERGENCY LIGHTING LOCATIONS ARE SUBJECT TO THE APPROVAL OF THE GOVERNING JURISDICTION. APPLICABLE SIGNAGE SHALL BE PROVIDED BY CONTRACTOR AND COORDINATE WITH OTHER BUILDING SIGNAGE. REFER TO FBC SECTION 1013.4 FOR RAISED CHARACTER AND BRAILLE EXIT SIGN REQUIREMENTS.

LIFE SAFETY PLAN LEGEND

*COORDINATE ITEMS W/ ELECTRICAL AS REQUIRED

- 
- ILLUMINATED (DIRECTIONAL) EXIT SIGN

RECESSED FIRE EXTINGUISHER CABINET

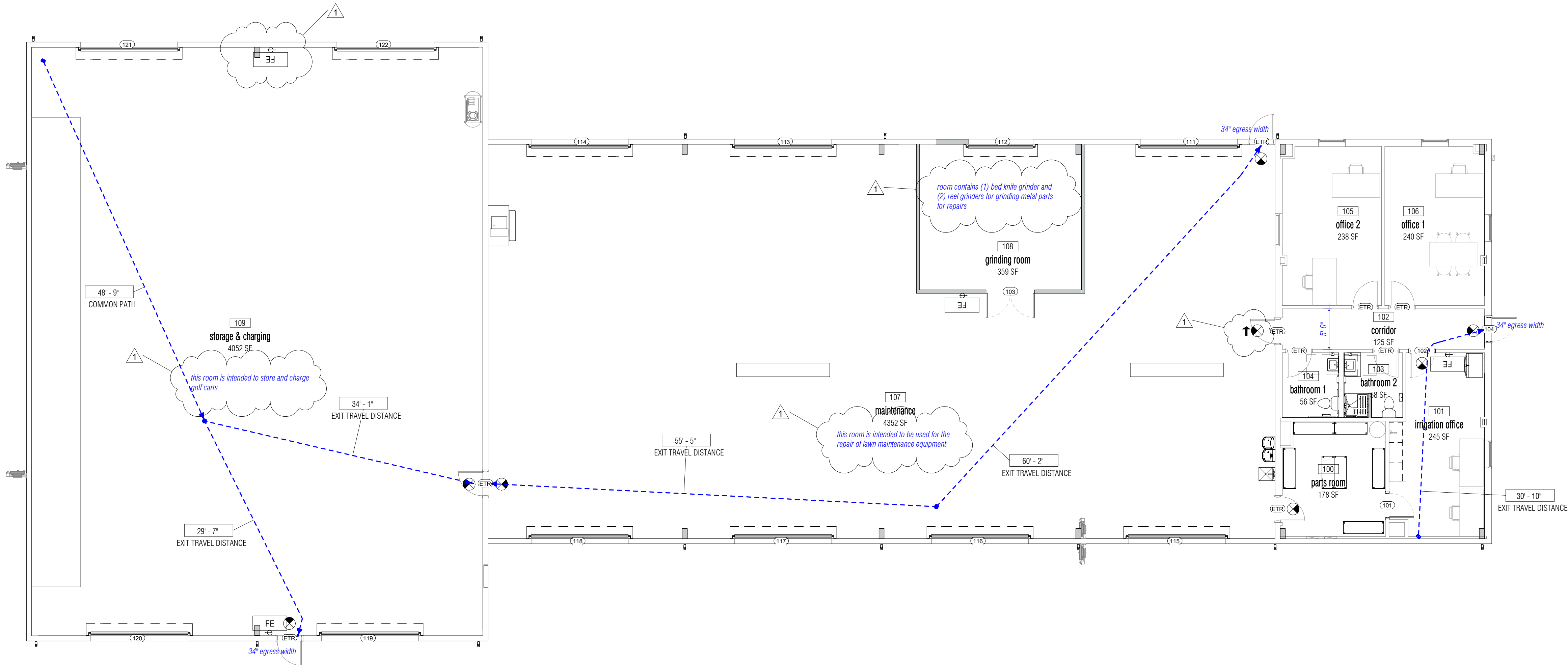
WALL HUNG FIRE EXTINGUISHER

DOOR TAG

TOTAL EXIT ACCESS TRAVEL DISTANCE (FEET)

1 HR FIRE SEPARATION WALL

OCCUPANT LOAD SIGN PER FBC 1004.9



1 BUILDING 1 - LIFESAFETY PLAN
1/8" = 1'-0"

no.	description	date
1	PERMIT SET	04.24.26
1	REVISION 01	06.19.26

GENERAL NOTES - DEMOLITION

1. ALL DIMENSIONS AND CONDITIONS TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO WORK. NOTIFY ARCHITECT IF CONFLICTS ARE FOUND
2. PROTECT ALL AREAS TO REMAIN. G.C. TO REPAIR OR REPLACE ANY ITEM TO REMAIN OR TO BE RELOCATED THAT IS DAMAGED DURING THE WORK. PROVIDE A SEAMLESS, UNDAMAGED APPEARANCE WHEN JOINING NEW TO EXISTING
3. REMOVE DASHED PORTION OF EXISTING WALLS, DOORS, WINDOWS, SIDELIGHTS, TRANSOMS, AND FRAMES. PREPARE AREA TO RECEIVE NEW CONSTRUCTION AS SCHEDULED.
4. FIRE RESISTANCE - MAINTAIN INTEGRITY OF EXISTING FIRE AND/OR SMOKE PARTITIONS. THROUGHOUT, UNLESS OTHERWISE NOTED, MAINTAIN INTEGRITY OF ALL EXISTING FIREPROOFING, FIRE STOPPING, COLUMN ENCLOSURES, ETC. TO ENSURE FIRE RESISTANCE MEETS OR EXCEEDS THAT ORIGINALLY REQUIRED OR SPECIFIED. PATCH ALL AREAS DAMAGED OR REMOVED DUE TO NEW CONSTRUCTION TO MATCH THAT OF THE EXISTING OR AS REQUIRED FOR NEW.
5. FINISHES - ALL EXISTING FINISHES SHALL REMAIN, UNLESS SCHEDULED FOR NEW. CONTINUE EXISTING FINISHES TO REMAIN INTO NEW EXTENDED AREAS THAT ARE ADJACENT. PATCH & REPAIR EXISTING TO MATCH NEW. PREPARE SUBSTRATES TO RECEIVE NEW FINISHES WHERE SCHEDULED. FINISH ALL PATCHED OR EXTENDED WALLS TO NEAREST CHANGE OF DIRECTION, WALL TERMINATION, OR INTERSECTION. PHASING - COORDINATE EQUIPMENT DELIVERIES AND INSTALLATION WITH THE PHASING PLAN FOR APPROPRIATE SCHEDULING.
6. CONFLICTS - ANY CONFLICT FOUND WITH EXISTING CONDITIONS AND REQUIREMENTS FOR NEW CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT. IF THE CONFLICT AFFECTS THE PROGRESS OF THE WORK, VERIFY WITH ARCHITECT SOLUTION NECESSARY PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK AND IN A TIMELY FASHION SO AS NOT TO DELAY THE WORK. COORDINATE ALL TRADES TO ASCERTAIN NO FURTHER WORK WILL BE IMPACTED BY THE CONFLICT, OR ITS SOLUTION.

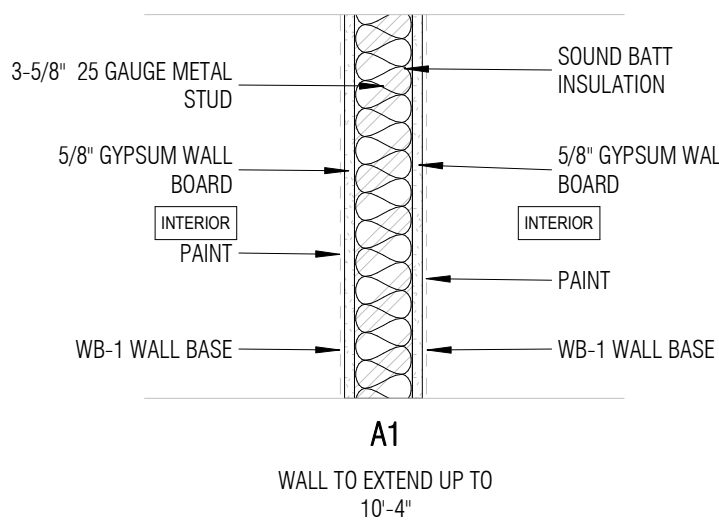
GENERAL FLOOR PLAN NOTES

1. PROVIDE SUPPORT FOR WALL MOUNTED CABINETS AND PLUMBING FIXTURES. STEEL STUDS SUPPORTING WALL MOUNTED FIXTURES TO BE DOUBLED AT 16 O.C. OR NOT LESS THAN 20 GAUGE PER FBC 2517.5.1.1.
2. PROVIDE CEMENTITIOUS BACKER BOARD IN PLACE OF GWB AT ALL LOCATIONS SHOWING TILE FINISH.

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING TO BE REMOVED
- EXISTING TO REMAIN

WALL TYPES



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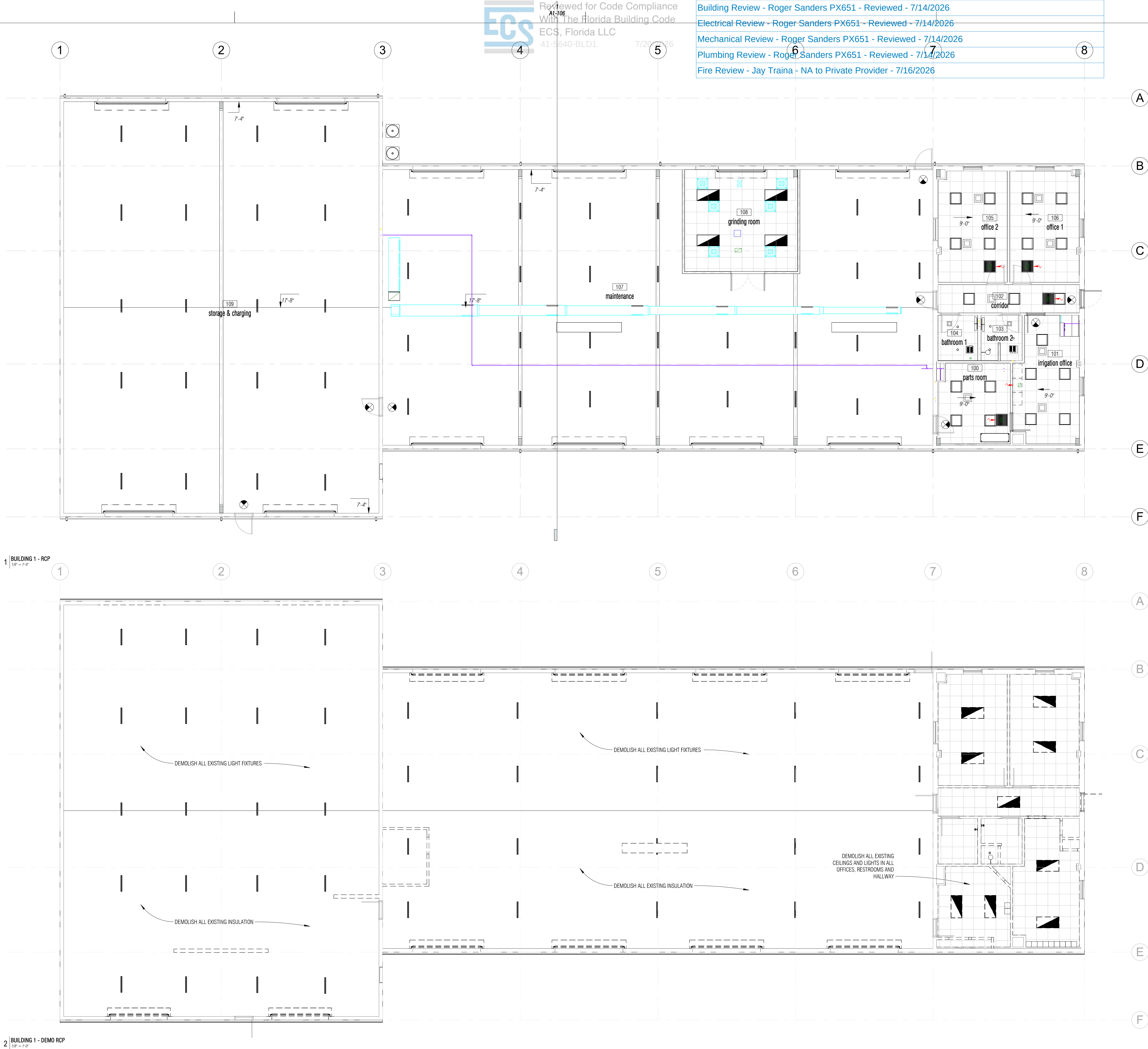
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A1-101
FLOOR PLANS



- CEILING LEGEND
- EXPOSED STRUCTURE
 - 2x2 ARMSTRONG OPTIMA LAY-IN ACT CEILING
 - EXHAUST FAN
 - SURFACE MOUNTED
 - WALL SCONCE, INTERIOR
 - WALL SCONCE, EXTERIOR
 - RECESSED LED CAN LIGHT
 - 2x4 RECESSED LIGHT FIXTURE
 - 2x2 RECESSED LIGHT FIXTURE
 - EM LIGHT

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A1-102
CEILING PLAN

1

2

3

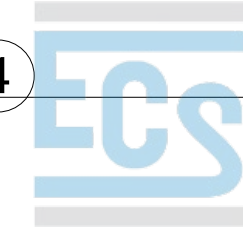
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5

6

7

8



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ECS, Florida LLC
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Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026	
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026	A

B

C

D

E

F

1

2

3

4

5

6

7

8

1 | BUILDING 1 - ROOF PLAN
1/8" = 1'-0"

A

B

C

D

E

F

2 | BUILDING 1 - DEMO ROOF PLAN
1/8" = 1'-0"

A1-104

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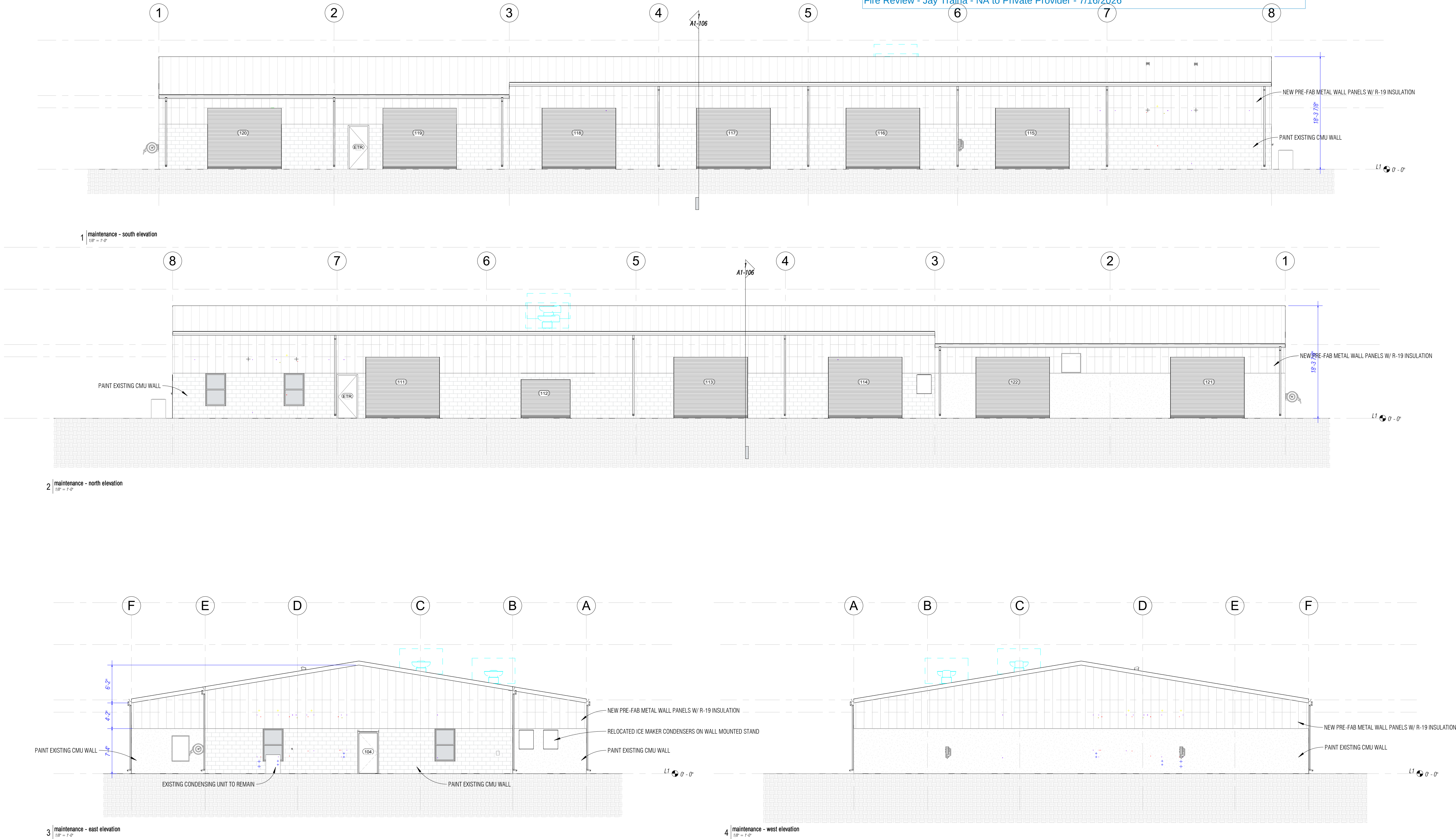
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A1-103

ROOF PLAN

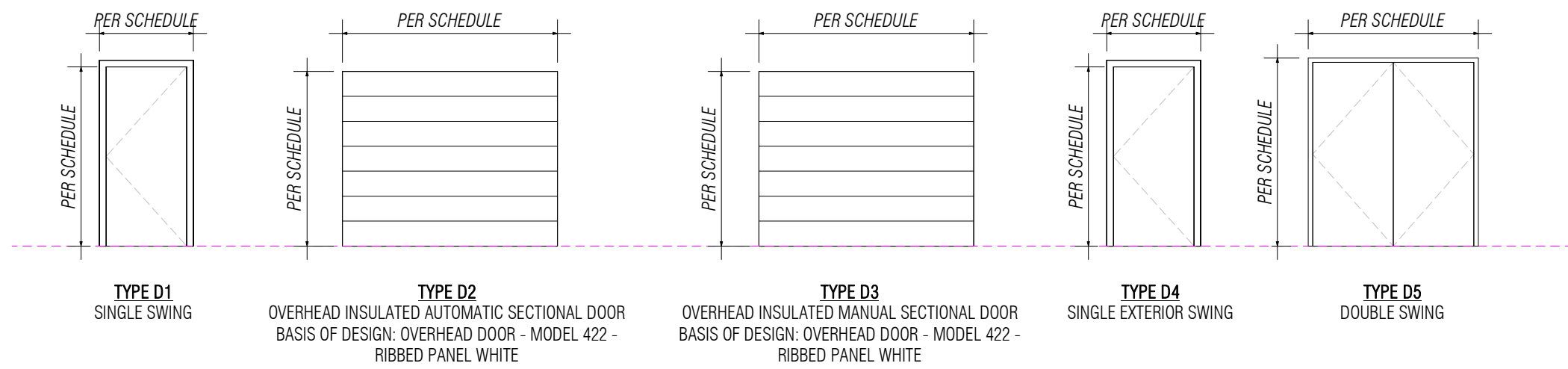


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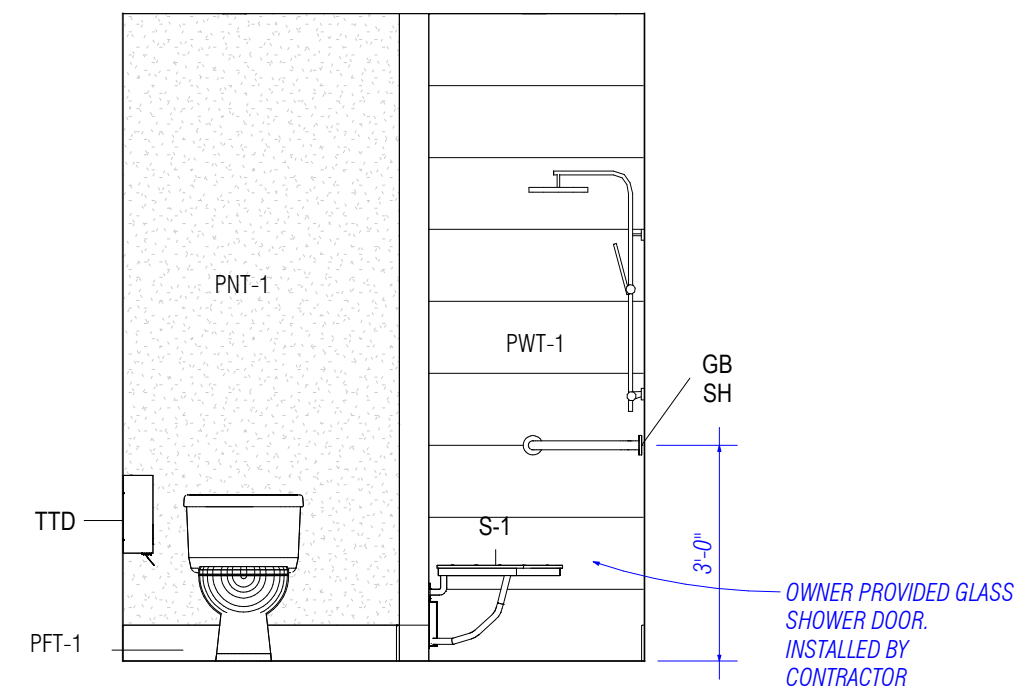
#	WIDTH	HEIGHT	TYPE	FRAME MATERIAL	FRAME FINISH	DOOR MATERIAL	DOOR FINISH	HARDWARE SET
101	3'-0"	7'-0"	D1	HM	PAINTED	HM	PAINTED	11
102	3'-0"	7'-0"	D1	HM	PAINTED	HM	PAINTED	07
103	6'-0"	6'-8"	D5	HM	PAINTED	HM	PAINTED	09
104	3'-0"	6'-8"	D4	HM	PAINTED	HM	PAINTED	04
111	12'-0"	11'-8"	D2	STEEL		STEEL	WHITE	20
112	8'-0"	8'-0"	D3	STEEL		STEEL	WHITE	20
113	12'-0"	11'-8"	D2	STEEL		STEEL	WHITE	20
114	12'-0"	11'-8"	D2	STEEL		STEEL	WHITE	20
115	12'-0"	11'-8"	D2	STEEL		STEEL	WHITE	20
116	12'-0"	11'-8"	D2	STEEL		STEEL	WHITE	20
117	12'-0"	11'-8"	D2	STEEL		STEEL	WHITE	20
118	12'-0"	11'-8"	D2	STEEL		STEEL	WHITE	20
119	12'-0"	11'-8"	D2	STEEL		STEEL	WHITE	20
120	12'-0"	11'-8"	D2	STEEL		STEEL	WHITE	20
121	12'-0"	11'-8"	D2	STEEL		STEEL	WHITE	20
122	12'-0"	11'-8"	D2	STEEL		STEEL	WHITE	20

DOOR SCHEDULE

NOTE: VERIFY ALL WINDOW AND DOOR ROUGH OPENING SIZES WITH MANUFACTURERS REQUIREMENTS



1 KITCHENETTE



4 BATHROOM 2 - VIEW 2

TOILET ACCESSORY SCHEDULE		
Type Mark	Manufacturer	Model
GB36	BOBRICK	B-5806 Series
GB42	BOBRICK	B-5806 Series
GB SH	BOBRICK	B-6861
MR	BOBRICK	B-290 2436
PTD-1	BOBRICK	B-509
S-1	BOBRICK	B-5181
SD	BOBRICK	B-2012
TTD	BOBRICK	B-9890

Room Finish Schedule - BUILDING 1

Room Number	Room Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
100	parts room	LVT-1	WB-1	PNT-1	ACT	
101	irrigation office	LVT-1	WB-1	PNT-1	ACT	
102	corridor	LVT-1	WB-1	PNT-1	ACT	
103	bathroom 2	PFT-1	PFT-1	PNT-1	ACT	
104	bathroom 1	PFT-1	PFT-1	PNT-1	ACT	
105	office 2	LVT-1	WB-1	PNT-1	ACT	
106	office 1	LVT-1	WB-1	PNT-1	ACT	
107	maintenance	N/A	WB-1	PNT-1	EXPOSED	WB-1 AND PNT-1 AT NEW GYP WALLS ONLY
108	grinding room	N/A	WB-1	PNT-1	EXPOSED	
109	storage & charging	N/A	N/A	N/A	EXPOSED	

LVT-1	DESCRIPTION: WOOD LOOK LVT MANUFACTURER: INTERFACE STYLE: ON GRAIN COLOR: WHITE OAK	PNT-3	DESCRIPTION: PAINT MANUFACTURER: SHERWIN WILLIAMS STYLE: FLAT FINISH COLOR: TBD REMARKS: CEILING PAINT
PL-1	DESCRIPTION: PLASTIC LAMINATE MANUFACTURER: WILSONART STYLE: HIGH PRESSURE LAMINATE COLOR: WHITE OAK PB WHEATON	PWT-1	DESCRIPTION: PORCELAIN WALL TILE MANUFACTURER: TILEBAR STYLE: PAINT COLOR: VERDE GREEN SIZE: 3" X 16"
PFT-1	DESCRIPTION: TERRAZZO FIELD TILE MANUFACTURER: JEFFREY COURT STYLE: GARDEN PARTY TERRAZZO COLOR: GARDEN PARTY SIZE: 10" X 20"	SSM-1	DESCRIPTION: SOLID SURFACE MATERIAL MANUFACTURER: EVEREST STONE STYLE: QUARTZ COLOR: GOLDEN SERENITY
PNT-1	DESCRIPTION: PAINT MANUFACTURER: SHERWIN WILLIAMS STYLE: EG SHEL FINISH COLOR: TBD REMARKS: FIELD WALL PAINT	WB-1	DESCRIPTION: WALL BASE- ROLLED GOODS MANUFACTURER: JOHNSONITE STYLE: TRADITIONAL COLOR: TBD SIZE: 4"



5 BUILDING 1 - FINISH PLAN

OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

no.	description	date
1	PERMIT SET	04.24.26
1	REVISION 01	06.19.26

A1-105 ENLARGED PLANS & INTERIOR ELEVATIONS

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

Hardware Group No. 04

For use on Door #(s):
104

Provide each SGL door(s) with the following:

QTY	EA	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	STOREROOM LOCK	ND80P6D RHO	626	SCH
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	RAIN DRIP	142AA (IF EXPOSED ABOVE)	AA	ZER
1	EA	GASKETING	188SBK PSA	BK	ZER
1	EA	DOOR SWEEP	328AA	AA	ZER
1	EA	THRESHOLD	65A	A	ZER

Hardware Group No. 07

For use on Door #(s):
102

Provide each SGL door(s) with the following:

QTY	EA	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	CLASSROOM LOCK	ND70P6D RHO	626	SCH
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

Hardware Group No. 09

For use on Door #(s):
103

Provide each PR door(s) with the following:

QTY	EA	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
2	EA	MANUAL FLUSH BOLT	FB467	626	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	STOREROOM LOCK	ND80P6D RHO	626	SCH
1	EA	OH STOP	90S	630	GLY
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	ASTRAGAL	43SP X 488SBK	SP	ZER

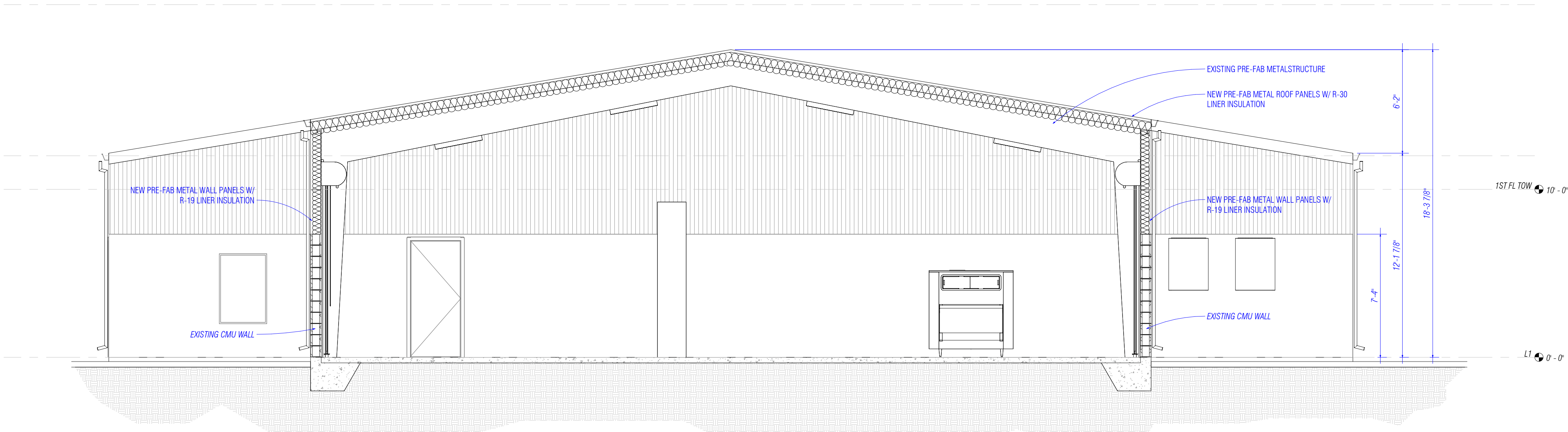
Hardware Group No. 20

For use on Door #(s):

111	112	113	114	115	116
117	118	119	120	121	122

Provide each RU door(s) with the following:

QTY	EA	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	ALL HARDWARE BY ROLL UP DOOR MANUFACTURER			



1 | BUILDING 1 - SECTION
1/4" = 1'-0"

LAFATE WILSON

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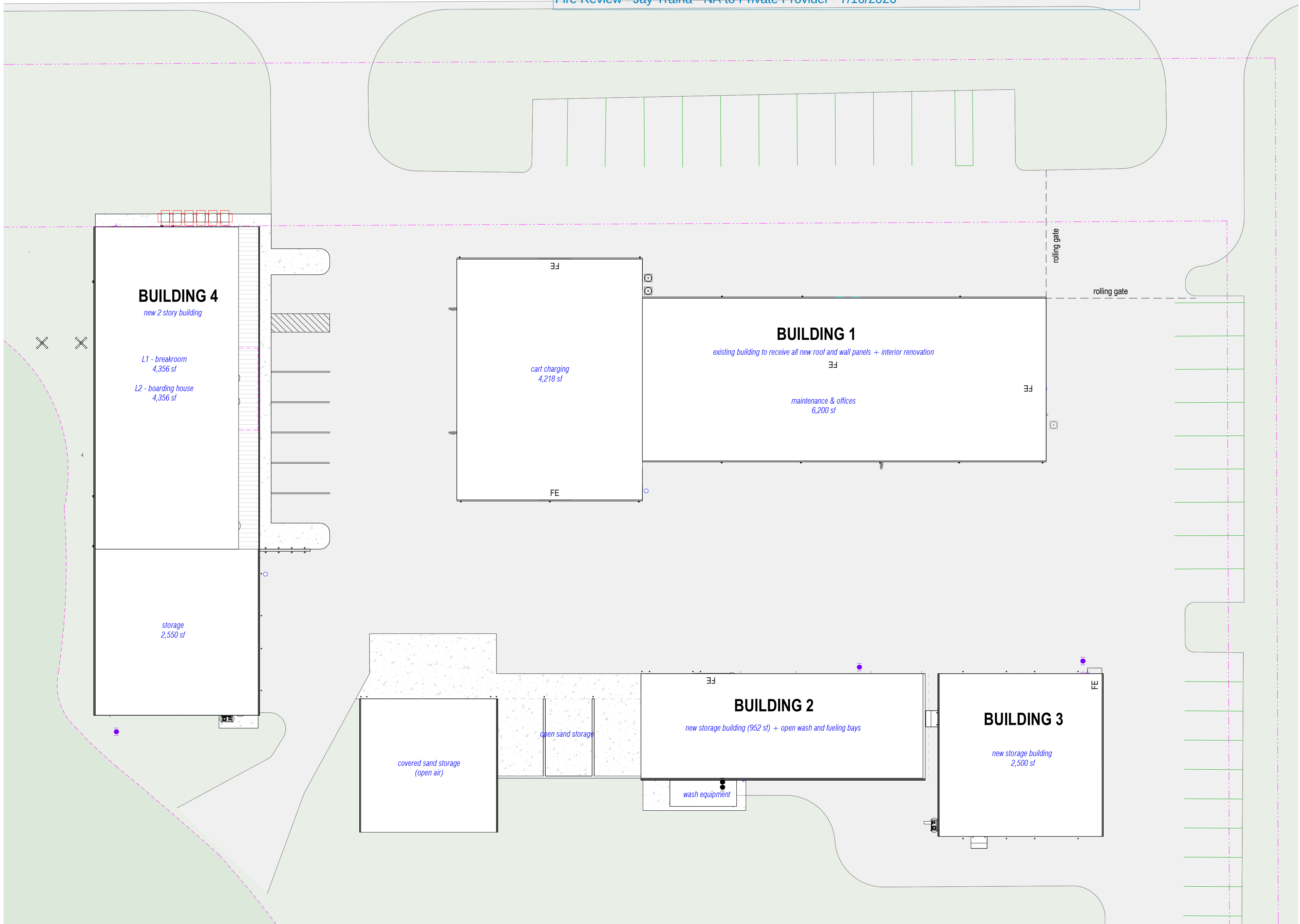
OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

no.	description	date
1	PERMIT SET	04.24.26
1	REVISION 01	06.19.26

A1-106
BUILDING SECTION
& DOOR HARDWARE

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026



 1 | SITE PLAN
1" = 20'-0"

ARCHITECTURAL SITE PLAN FOR BUILDING LOCATION REFERENCE ONLY. REFER TO CIVIL PLANS FOR SITE LAYOUT AND DETAILS.

LAFATE WILSON

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OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

no.	description	date
	PERMIT SET	04.24.26

A-002

ARCHITECTURAL
SITE PLAN



ELECTRICAL SYMBOL LEGEND

WIRING AND POWER

	WALL OUTLET BOX AND SINGLE RECEPTACLE
	WALL OUTLET BOX AND DUPLEX RECEPTACLE
	TWO GANG WALL OUTLET BOX AND (2) DUPLEX RECEPTACLES
	WALL OUTLET BOX AND DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER
	WALL OUTLET BOX AND DUPLEX RECEPTACLE WITH TOP HALF SWITCHED
	WALL OUTLET BOX AND DUPLEX RECEPTACLE CONNECTED TO EMERGENCY SYSTEM
	CEILING OUTLET BOX AND SINGLE RECEPTACLE
	CEILING OUTLET BOX AND DUPLEX RECEPTACLE
	WALL OUTLET BOX AND GFCI DUPLEX RECEPTACLE
	WALL OUTLET BOX AND GFCI DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER
	WALL OUTLET BOX AND DUPLEX SAFETY RECEPTACLE
	WALL OUTLET BOX AND DUPLEX TWIST-LOCK RECEPTACLE
	WALL OUTLET BOX AND WEATHERPROOF COVER
	WALL OUTLET BOX AND SPECIAL PURPOSE OUTLET AS NOTED ON PLANS
	FLUSH FLOOR OUTLET BOX WITH DUPLEX RECEPTACLE
	FLUSH FLOOR OUTLET BOX WITH (2) DUPLEX RECEPTACLES
	FLUSH FLOOR OUTLET BOX WITH DUPLEX RECEPTACLE AND TELECOMMUNICATIONS OUTLET
	FLUSH WALL JUNCTION BOX AND BLANK PLATE
	JUNCTION BOX AND BLANK PLATE ABOVE CEILING
	SURFACE MOUNTED JUNCTION BOX AND BLANK PLATE
	SURFACE MOUNTED WEATHERPROOF JUNCTION BOX AND COVER
	FLUSH GRADE FIBER COMPOSITE PULL BOX AS NOTED
	MOTOR CONNECTION AS NOTED
	FLUSH SHUNT-TRIP BUTTON, MOUNTED 80" TO TOP
	CONTROL AND/OR POWER EQUIPMENT CONNECTION
	TIME CLOCK
	PHOTO CELL
	DISCONNECT SWITCH, SIZE AS NOTED
	120/208V BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED
	120/208V BRANCH CIRCUIT PANELBOARD, FLUSH MOUNTED
	277/480V BRANCH CIRCUIT PANELBOARD
	TRANSFORMER
	AUTOMATIC TRANSFER SWITCH
	BRANCH CIRCUIT HOMERUN WITH PANEL NAME AND CIRCUIT NUMBER. QUANTITY OF ARROWHEADS DENOTES QUANTITY OF BRANCH CIRCUITS
	BRANCH CIRCUIT WIRING, PROVIDE QUANTITY OF CONDUCTORS REQUIRED FOR CIRCUITING AND SWITCHING INDICATED ON PLANS
	POWER LEG ONLY (NO SWITCH LEG BETWEEN ROOMS)
	CONDUIT CAPPED OFF
	CONDUIT CONTINUED
	CONDUIT RUN UP
	CONDUIT RUN DOWN
	GROUND OR GROUND ROD AS NOTED

NOTE:
SYMBOLS SHOWN ARE FOR
REFERENCE PURPOSES
ONLY. ALL OF THESE
SYMBOLS MAY NOT BE
USED FOR THIS PROJECT.

ELECTRICAL SYMBOL LEGEND

LIGHTING AND SWITCHING

	CEILING MOUNTED LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
	CEILING MOUNTED RECESSED DOWNLIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
	CEILING MOUNTED RECESSED WALLWASH FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
	CEILING MOUNTED "CLOSE TO CEILING" FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
	PENDANT MOUNTED LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
	TRACK LIGHT FIXTURE WITH HEADS AS REQUIRED, REFER TO LIGHT FIXTURE SCHEDULE
	WALL MOUNTED LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
	CEILING MOUNTED LIGHT FIXTURE WITH EMERGENCY BACKUP
	CEILING MOUNTED RECESSED DOWNLIGHT FIXTURE WITH EMERGENCY BACKUP
	WALL MOUNTED LIGHT FIXTURE WITH EMERGENCY BACKUP
	WALL MOUNTED EMERGENCY BATTERY LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
	CEILING MOUNTED EMERGENCY BATTERY LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
	CEILING MOUNTED EXIT SIGN WITH EMERGENCY BACKUP, REFER TO LIGHT FIXTURE SCHEDULE
	WALL MOUNTED EXIT SIGN WITH EMERGENCY BACKUP, REFER TO LIGHT FIXTURE SCHEDULE
	COMBINATION EXIT SIGN AND EMERGENCY LIGHT FIXTURE WITH BATTERY BACKUP
	WALL OUTLET BOX AND SINGLE POLE SWITCH (*a* INDICATES SWITCH LEG)
	WALL OUTLET BOX AND THREE-WAY SWITCH
	WALL OUTLET BOX AND FAN CONTROL SWITCH
	WALL OUTLET BOX AND DIMMER SWITCH AS REQUIRED FOR LOAD SERVED
	WALL OUTLET BOX AND THREE-WAY DIMMER SWITCH
	WALL OUTLET BOX WITH SINGLE POLE MANUAL MOTOR STARTER SWITCH
	WALL OUTLET BOX AND DUAL TECHNOLOGY OCCUPANCY SENSOR
	CEILING OUTLET BOX AND DUAL TECHNOLOGY OCCUPANCY SENSOR
	CEILING OUTLET BOX AND DAYLIGHT HARVESTING SENSOR

FIRE ALARM SYSTEM LEGEND

	MANUAL PULL STATION
	WALL MOUNTED HORN WITH STROBE (cd=CANDELA RATING)
	WALL MOUNTED HORN WITH STROBE IN WEATHERPROOF ENCLOSURE
	CEILING MOUNTED HORN WITH STROBE
	WALL MOUNTED MINI HORN
	WALL MOUNTED MINI HORN WITH STROBE
	WALL MOUNTED VOICE EVACUATION SPEAKER WITH STROBE
	CEILING MOUNTED VOICE EVACUATION SPEAKER WITH STROBE
	WALL MOUNTED STROBE
	SMOKE DETECTOR
	SMOKE AND CARBON MONOXIDE DETECTOR
	DUCT MOUNTED SMOKE DETECTOR
	HEAT DETECTOR
	REMOTE DUCT DETECTOR INDICATOR LIGHT AND TEST SWITCH (NUMBER INDICATES QUANTITY)
	FAN SHUT-DOWN RELAY
	ELECTROMAGNETIC DOOR RELEASE DEVICE
	SMOKE DAMPER (PROVIDE BY MECHANICAL, CONNECTED BY ELECTRICAL)
	FIREMAN'S PHONE JACK
	SPRINKLER SYSTEM SUPERVISORY SWITCH CONNECTION
	SPRINKLER SYSTEM FLOW SWITCH CONNECTION
	CONTROL MODULE
	MONITOR MODULE
	LOCK BOX
	FIRE ALARM CONTROL PANEL
	FIRE ALARM TERMINAL CABINET
	FIRE ALARM ANNUNCIATOR PANEL
	DIGITAL ALARM COMMUNICATOR TRANSMITTER

TELECOMMUNICATION SYSTEM LEGEND

	COMBINATION TELECOMMUNICATIONS/DATA WALL OUTLET BOX AND BLANK PLATE WITH MIN. 3/4"C. TO ACCESSIBLE CEILING SPACE. COORDINATE OUTLET REQUIREMENTS WITH OWNER.
	TELECOMMUNICATIONS WALL OUTLET BOX AND BLANK PLATE FOR WALL MOUNTED TELEPHONE WITH MIN. 3/4"C. TO ACCESSIBLE CEILING SPACE. COORDINATE OUTLET REQUIREMENTS WITH OWNER.
	DATA WALL OUTLET BOX AND BLANK PLATE WITH MIN. 3/4"C. TO ACCESSIBLE CEILING SPACE.
	FLUSH FLOOR OUTLET BOX WITH POWER DEVICE AND TELECOMMUNICATIONS OUTLET WITH MIN. 3/4"C. TO ACCESSIBLE CEILING SPACE.
	CEILING OUTLET BOX AND BLANK PLATE WITH MIN. 3/4"C. TO TTB FOR WIRELESS ACCESS POINT. COORDINATE OUTLET REQUIREMENTS WITH OWNER.
	COMBINATION TELECOMMUNICATIONS/TELEVISION WALL OUTLET BOX AND BLANK PLATE. COORDINATE OUTLET AND CABLING REQUIREMENTS WITH OWNER.
	3/4" PLYWOOD TELEPHONE TERMINAL BOARD, SIZE AS SHOWN ON PLANS.
	TELEPHONE TERMINAL CABINET, SIZE AS NOTED ON PLAN.

GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), AND THE LATEST ADOPTED EDITION OF THE FLORIDA BUILDING CODE.
- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND COORDINATE WITH ALL EQUIPMENT MANUFACTURER/INSTALLERS PRIOR TO BIDDING.
- ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABEL LISTED BY AN APPROVED THIRD-PARTY TESTING AGENCY.

BUILDING:

RECEPTACLE = 18"
CLOCK = 7'-6"
SWITCH = 44"
MODULAR JACK FOR WALL MOUNTED TELEPHONE = 48"
MODULAR TELEPHONE JACK = 18"
TELEVISION OUTLET = 84"
COMPUTER OUTLET = 18"
CALL SWITCH = 44"
REMOTE TEST STATION FOR DUCT DETECTOR = 52"
C = ABOVE COUNTER BACKSPLASH, COORDINATE WITH ARCHITECTURAL ELEVATIONS AND MILLWORK.
- INSTALLATION HEIGHT OF EQUIPMENT (TO CENTERLINE) ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE SHALL BE:

RECEPTACLE = 18"
CLOCK = 7'-6"
SWITCH = 44"
MODULAR JACK FOR WALL MOUNTED TELEPHONE = 48"
MODULAR TELEPHONE JACK = 18"
TELEVISION OUTLET = 84"
COMPUTER OUTLET = 18"
CALL SWITCH = 44"
REMOTE TEST STATION FOR DUCT DETECTOR = 52"
C = ABOVE COUNTER BACKSPLASH, COORDINATE WITH ARCHITECTURAL ELEVATIONS AND MILLWORK.
- ALL CONDUIT AND WIRING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE OR APPROVED BY THE ARCHITECT/ENGINEER. ALL DEVICE OUTLET BOXES SHALL BE RECESSED UNLESS NOTED OTHERWISE OR APPROVED BY THE ARCHITECT/ENGINEER. WHERE APPROVED OR NOTED SURFACE METAL RACEWAY AND DEVICE BOXES SHALL BE USED IN LIEU OF CONDUIT AND CONCEALED BOXES AT NO EXTRA COST TO THE OWNER.
- ALL CONDUIT ROUTING SHOWN IS APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY FINAL ROUTE WITH ALL OTHER TRADES AND CONDITIONS IN FIELD PRIOR TO ROUGH-IN.
- CONDUIT RUNS SHOWN ARE SCHEMATIC AND DO NOT INDICATE THE NECESSARY FITTINGS AND JUNCTION BOXES THAT ARE INCLUDED IN THE SCOPE OF THE WORK.
- CONTRACTOR SHALL PERMANENTLY IDENTIFY ALL WIRING WITH THE SOURCE AND CIRCUIT AT ALL ELECTRICAL EQUIPMENT, PULL AND JUNCTION BOXES AND ELECTRICAL TERMINATIONS PROVIDED OR ASSOCIATED WITH THIS CONSTRUCTION.
- COORDINATE EXACT LOCATION OF LIGHTING FIXTURES IN MECH. ROOMS/SPACES WITH DUCTWORK INSTALLER PRIOR TO ROUGH-IN. LOCATE BELOW DUCTWORK(8'-0" AFF MINIMUM) CENTERED IN ROOM AS MUCH AS POSSIBLE.
- COORDINATE EXACT INSTALLATION REQUIREMENTS OF OUTLETS IN MILLWORK WITH ARCHITECTURAL DRAWINGS, APPROVED SHOP DRAWINGS AND MILLWORK INSTALLER PRIOR TO ROUGH-IN.
- VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL INSTALLER PRIOR TO ROUGH-IN.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL LIGHT FIXTURES
- PROVIDE NYLON PULLSTRINGS IN ALL EMPTY CONDUITS.
- COORDINATE THE EXACT LOCATION OF ALL ELECTRICAL EQUIPMENT LOCATED IN ELEVATOR MACHINE ROOMS, SHAFTS AND PITS. LOCATE EQUIPMENT AS REQUIRED TO MEET APPLICABLE CODES.PROVIDE AUTOMATIC DISCONNECTION OF THE ELEVATOR MAIN POWER SUPPLY (PER ANSI A17.1, RULE 102.2 1987 ED.) PRIOR TO ACTIVATION OF AUTOMATIC SPRINKLER LOCATED WITHIN THE ELEVATOR MACHINE ROOM, PIT OR SHAFT. COORDINATE WITH FIRE PROTECTION AND FIRE ALARM INSTALLER.
- COORDINATE THE REQUIRED SIZE OF ALL CIRCUIT BREAKERS FEEDING EQUIPMENT, (I.E. MOTORS, HVAC, KITCHEN EQUIPMENT, SPECIAL PURPOSE OUTLETS, ELEVATORS, OWNER FURNISHED EQUIPMENT ETC.) WITH APPROVED EQUIPMENT SHOP DRAWINGS AND OWNER REPRESENTATIVES PRIOR TO ORDERING PANELBOARDS. BREAKERS SHALL BE SIZED PER THE NEC, THE EQUIPMENT NAME PLATE AND MANUFACTURERS RECOMMENDATIONS.
- ALL DIMMED CIRCUITS SHALL BE PROVIDED WITH DEDICATED NEUTRALS FOR EACH DIMMER AND PHASE CONDUCTOR THROUGHOUT THE ENTIRE CIRCUIT.
- THE POWER COMPANY SHALL BE CONTACTED WITHIN 10 DAYS OF THE AWARD OF THE CONTRACT BY THE CONTRACTOR TO VERIFY THE ACTUAL AVAILABLE SHORT CIRCUIT FAULT CURRENT (AIC) AT THE TRANSFORMER SECONDARY BUSHINGS. THE CONTRACTOR SHALL PROVIDE ELECTRICAL DISTRIBUTION AND UTILIZATION EQUIPMENT AND PANELBOARDS WHICH HAVE AIC/WITHSTAND RATINGS GREATER THAN THE AVAILABLE AIC AT EACH POINT IN THE ELECTRICAL SYSTEM.
- CONTRACTOR SHALL INCLUDE IN HIS BID THE TRANSPORT AND DISPOSAL OR RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL RULES, REGULATIONS AND GUIDELINES APPLICABLE.
- PANEL SCHEDULES INDICATE CIRCUIT DESIGNATIONS ONLY. CONTRACTOR TO PROVIDE MATERIALS AS REQUIRED WHEN NEUTRALS ARE SHARED TO COMPLY WITH NEC REQUIREMENTS. ALL SINGLE PHASE MULTIWIRE BRANCH CIRCUITS SHALL BE FED VIA A TWO POLE BREAKER OR TWO SINGLE POLE BREAKERS WITH AN IDENTIFIED HANDLE TIE. ALL THREE PHASE MULTIWIRE BRANCH CIRCUITS SHALL BE FED VIA A THREE POLE BREAKER OR THREE SINGLE POLE BREAKERS WITH AN IDENTIFIED HANDLE TIE (PER NEC 210.4B).
- PER NEC 110.22; PROVIDE PERMANENT LABELING FOR ALL SERIES RATED PANEL ENCLOSURES TO READ AS FOLLOWS: CAUTION - SERIES COMBINATION SYSTEM RATED _____ AMPERES. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED.

GROUNDING:

21. ALL METAL RACEWAYS, INCLUDING CONDUIT, WIRE TROUGHS, WIREMOLD, ETC., SHALL BE GROUNDED. ALL CONNECTIONS IN METAL RACEWAYS SHALL BE COMPLETED IN SUCH A MANNER AS TO MAINTAIN A CONTINUOUS PATH TO GROUND THROUGHOUT THE ENTIRE LENGTH OF THE RACEWAY.

WIRING:

22. UNLESS NOTED OTHERWISE ON THE DRAWINGS OR ON THE EQUIPMENT WIRING SCHEDULE, EACH BRANCH CIRCUIT HOME RUN SHALL BE THREE (3) #12 AWG THHN/THWN (1 HOT, 1 NEUTRAL & 1 EQUIPMENT GROUND) IN 3/4" EMT CONDUIT. PROTECT EACH CIRCUIT WITH A 20 AMPERE, 1-POLE OVERCURRENT DEVICE UNLESS NOTED OTHERWISE. COMBINED NEUTRALS ARE NOT PERMITTED.

23. THE USE OF 'NM' CABLE FOR BRANCH CIRCUIT WIRING IS ACCEPTABLE WHERE ALLOWED BY THE NEC AND AUTHORITY HAVING JURISDICTION.

BDA SYSTEM:

24. ALL BUILDINGS WITHIN THIS PROJECT SHALL HAVE AN APPROVED THIRD-PARTY PROVIDE A SPECTRUM ANALYSIS GRID TEST OF THE BUILDINGS AND PROVIDE A COPY OF THE ANALYSIS OF THE RADIO SIGNAL STRENGTH AND RECOMMENDATIONS FOR THE REQUIREMENT OF A DAS/BDA SYSTEM (WHETHER NECESSARY TO INSTALL) TO THE G.C. AND A.H.J. IF REQUIRED TO BE ADDED, BASED ON TESTING, DESIGN WILL BE PROVIDED BY OTHERS (DAS/BDA CONTRACTOR) UNDER A SEPARATE PERMIT AND IN CONFORMANCE TO THE FPPC, FAC AND NFPA. FINAL TESTING WILL BE REQUIRED AT COMPLETION OF THE BUILDING CONSTRUCTION PRIOR TO OBTAINING THE CERTIFICATE OF OCCUPANCY. THE SIGNAL STRENGTH SHALL MEET THE REQUIREMENTS OF THE FLORIDA FIRE PREVENTION CODE 6TH EDITION; NFPA 111.10; NFPA 72-2016 EDITION; 24.5.2.2, 24.5.2.3; AND MUST BE TESTED IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN NFPA 72-2016 EDITION 14.4.10 (1-6) AND A14.4.10 (1-3).

OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

no.	description	date
	PERMIT SET	04.24.26

E0.00
ELECTRICAL
SYMBOLS LEGEND

GENERAL NOTES:

A. DO NOT SCALE ELECTRICAL DRAWING FOR ANY DIMENSIONS.

B. ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, STATE, AND LOCAL CODES. PROVIDE GROUNDING AND BONDING PER NEC 250.

C. SEE SINGLE LINE DIAGRAM FOR FEEDER WIRE AND CONDUIT SIZE. ALL CIRCUITS NOT SIZED ON DRAWING SHALL BE INSTALLED TO MEET MINIMUM SIZE REQUIRED BY NEC. ALL CONDUCTORS SHALL HAVE AN EQUIPMENT GROUND WIRE SIZED PER NEC.

D. FIELD VERIFY EXACT LOCATION OF ALL DEVICES AND EQUIPMENT PRIOR TO ROUGH IN.

REFERENCE NOTES:

1 PROVIDE PUSHBUTTON CONTROL AND LOW VOLTAGE WIRING FOR GARAGE DOOR OPENER AS REQUIRED BY OWNER/MANUFACTURER.

2 PROVIDE 120V CEILING MOUNTED OUTLET FOR GARAGE DOOR OPENER. COORDINATE LOCATION WITH DOOR INSTALLER PRIOR TO ROUGH-IN. PROVIDE LOW VOLTAGE WIRING AND PUSH BUTTON LOCATED NEAR DOOR AS REQUIRED.

3 PROVIDE EXTERIOR GARAGE DOOR KEYPAD. COORDINATE LOCATION AND REQUIREMENTS WITH GARAGE DOOR INSTALLER. PROVIDE LOW VOLTAGE WIRING AS REQUIRED.

4 CONNECT CIRCUIT VIA PHOTOCELL FOR AUTOMATIC CONTROL OF LIGHT FIXTURES.

5 COORDINATE PANEL AND METER LOCATION WITH OWNER AND UTILITY COMPANY PRIOR TO ROUGH-IN.

6 ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECT AND FUSE REQUIREMENTS FOR MECHANICAL UNIT WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN AND PROVIDE AS REQUIRED. CONNECT CONDENSING UNIT TO CORRESPONDING UNIT PANEL. REFER TO TYPICAL UNIT PLANS AND SCHEDULES FOR CIRCUITING AND SIZING INFORMATION. COORDINATE LOCATION OF DISCONNECT WITH OWNER AND MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. LOCATE AS REQUIRED TO MAINTAIN NEC CLEARANCES.

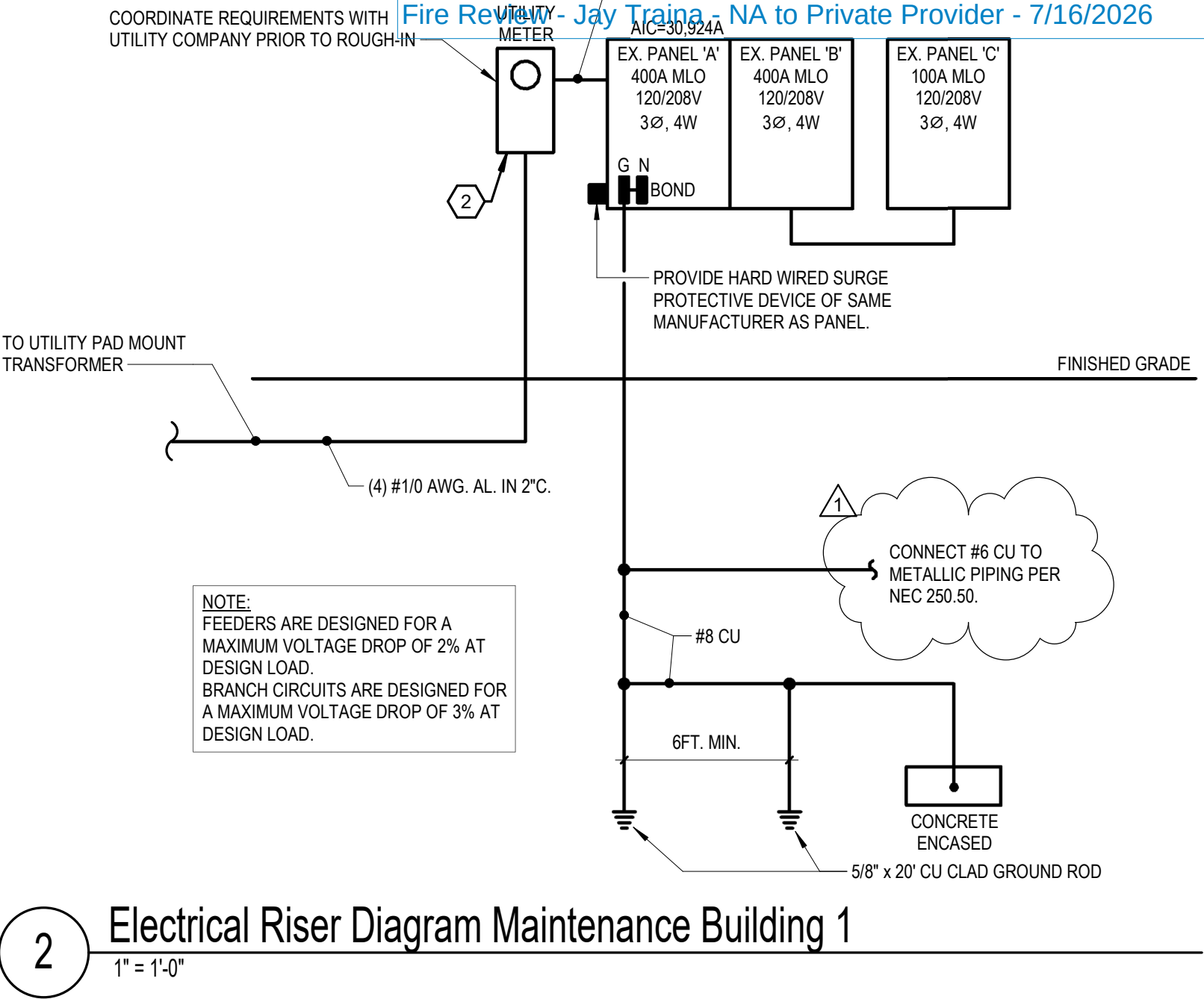
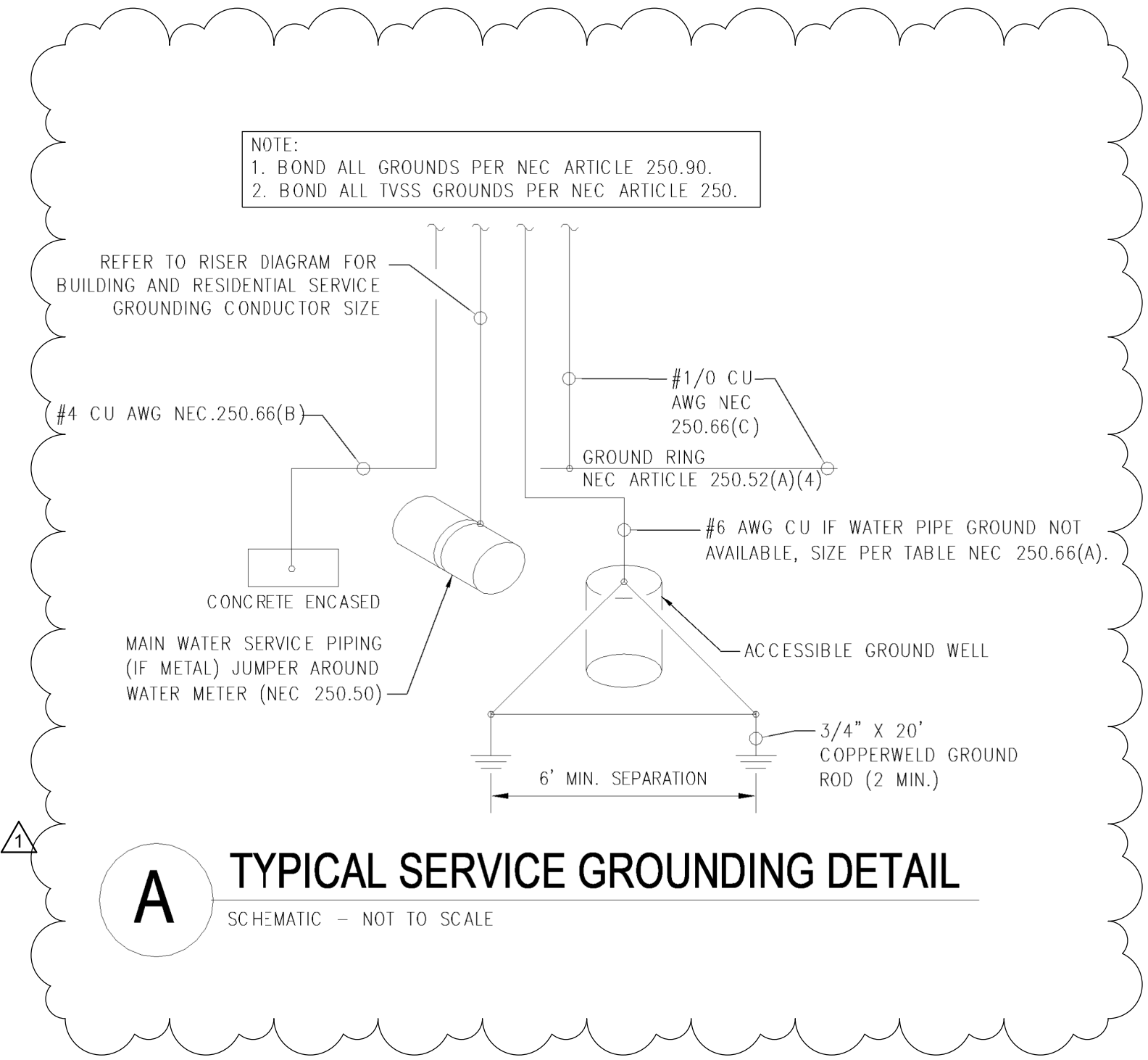
7 EXISTING PANEL A, B, AND C TO REMAIN. SEE ELECTRICAL SCHEDULES FOR ADDITIONAL INFORMATION.

8 CONNECT FRACTIONAL HORSEPOWER EXHAUST FAN TO LOCAL LIGHTING CIRCUIT. FAN SHALL BE CONTROLLED BY INDIVIDUAL SWITCH. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

9 PROVIDE CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC CONTROL OF ROOM LIGHTING. SENSOR SHALL OVERRIDE WALL CONTROL AND "TURN OFF" ROOM LIGHTS IF ROOM UNOCCUPIED FOR MORE THAN 30 MINUTES. PROVIDE ADDITIONAL SENSORS, RELAY PACKS, CONTROL WIRING, ETC. AS REQUIRED FOR COMPLETE COVERAGE OF ROOM AND CIRCUITS/SWITCH LEGS SHOWN. CONTROLS SHALL BE "MANUAL ON/AUTOMATIC OFF" WITH THE EXCEPTION OF RESTROOMS, PUBLIC CORRIDORS, AND LOBBIES. THESE AREAS SHALL BE FULLY AUTOMATIC ON/AUTOMATIC OFF" IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE 7TH EDITION.

10 PROVIDE WALL MOUNTED, DUAL TECHNOLOGY, LOW VOLTAGE VACANCY SENSOR, WATTSTOPPER #DW-100-24 (OR APPROVED SUBSTITUTION) FOR AUTOMATIC CONTROL OF LIGHTING. CONNECT LIGHTING IN SPACE AS SHOWN ON PLANS VIA WATTSTOPPER LIGHTING POWER PACK #BZ-200 (OR APPROVED SUBSTITUTION). PROVIDE ALL ADDITIONAL POWER PACKS, RELAYS, SENSORS AS REQUIRED FOR COMPLETE COVERAGE OF SPACE AND SWITCHING AS SHOWN ON PLANS. INSTALLATION SHALL COMPLY WITH FLORIDA ENERGY CONSERVATION CODE 2020 7TH EDITION SECTION C405.6.1.

11 RELOCATE AND EXTEND EXISTING POWER SUPPLY TO AHU-1.2, CONDUIT AND WIRING TO MATCH EXISTING.



1 MAINTENANCE BUILDING FLOOR PLAN - ELECTRICAL

1/8" = 1'-0"

no.	description	date
1	PERMIT SET	04.24.26
1	PERMIT COMMENTS	06.19.26



Luminaire Schedule						
Symbol	Qty	Label	Description	LLF	Luminaire Lumens	Luminaire Watts
	2	LR01	LUMENWERX LV3_5RR-SW-60DEG-30K-14W	0.910	1527	14
	3	LR02	LITHONIA CPX 2X2 4000LM 80 40K SWL MVOLT	0.910	4505	36.3
	17	LR03	LITHONIA CPX 2X2 3200LM 80 40K SWL MVOLT	0.910	3735	30.1
	3	LR05	LUMENWERX LV3_5RR-SW-60DEG-35K-10W	0.910	1172	10
	4	LR06	LITHONIA CPX 2X4 5000LM 80 40K SWL MVOLT	0.910	5194	40
	38	LS01	LITHONIA CLX L48 10000LM SEF FDL 40K 80CRI	0.910	9278	70.67

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Grid Pt Spcg (FT)
CORRIDOR_Floor	Illuminance	Fc	32.3	36.3	24.9	1.3
GRINDING ROOM 108_Workplane	Illuminance	Fc	37.1	46.4	25.3	1.5
MAINTENANCE 107_Workplane	Illuminance	Fc	27.2	38.3	5.8	4.7
OFFICE 101_Workplane	Illuminance	Fc	44.5	56.7	23.6	1.9
OFFICE 105_Workplane	Illuminance	Fc	38.3	49.4	23.6	1.6
OFFICE 106_Workplane	Illuminance	Fc	38.3	49.7	23.4	1.6
PARTS 100_Workplane	Illuminance	Fc	45.9	57.8	36.6	1.3
RR 103_Workplane	Illuminance	Fc	31.4	38.4	22.7	1.4
RR 104_Workplane	Illuminance	Fc	32.6	33.1	32.1	1.0
STORAGE 109_Workplane	Illuminance	Fc	36.9	54.8	17.0	2.2

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BUILDING 1 FLOOR

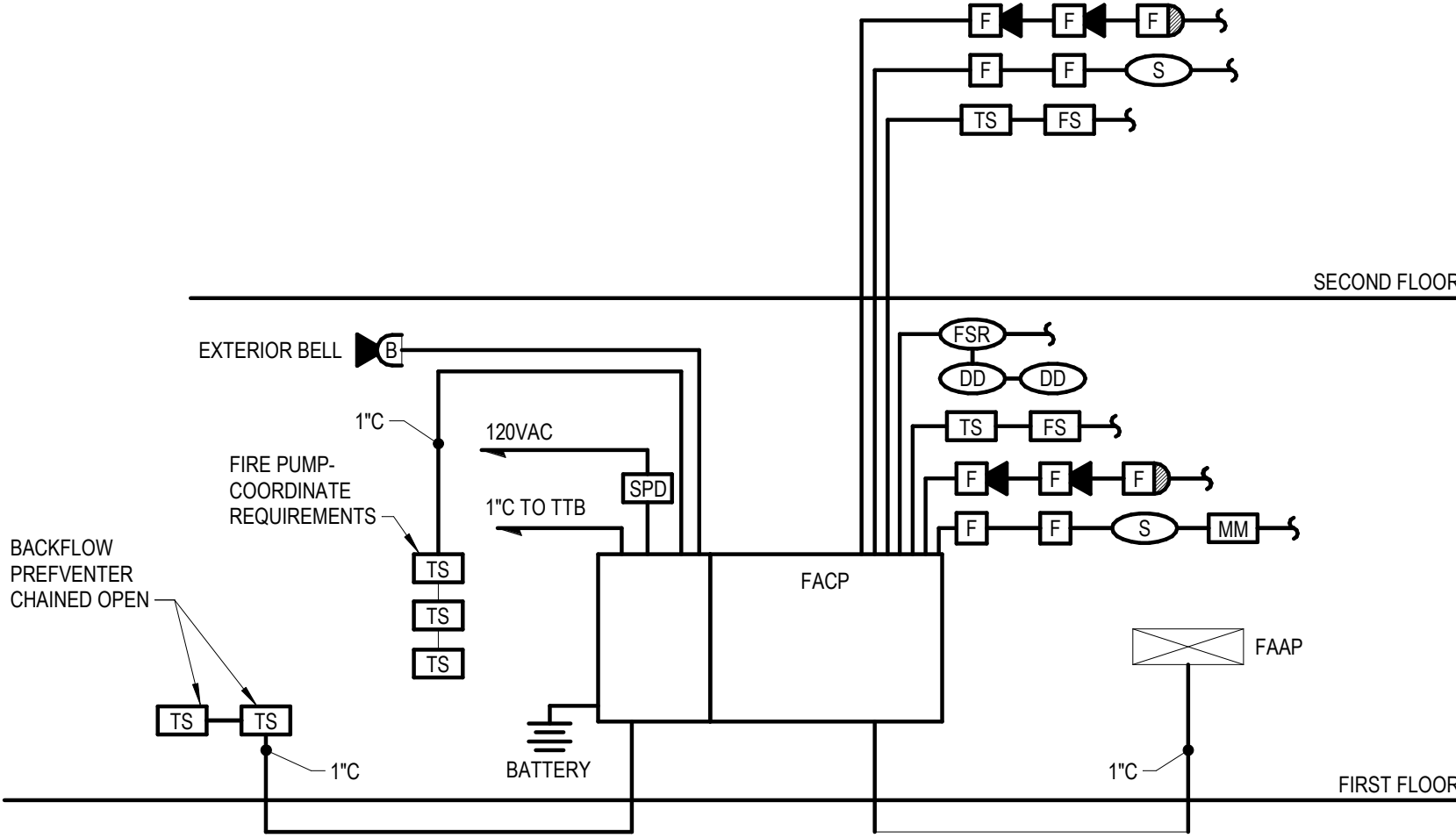
PLAN - ELECTRICAL

LIGHTING

PHOTOMETRY

FIRE ALARM SYMBOL LEGEND

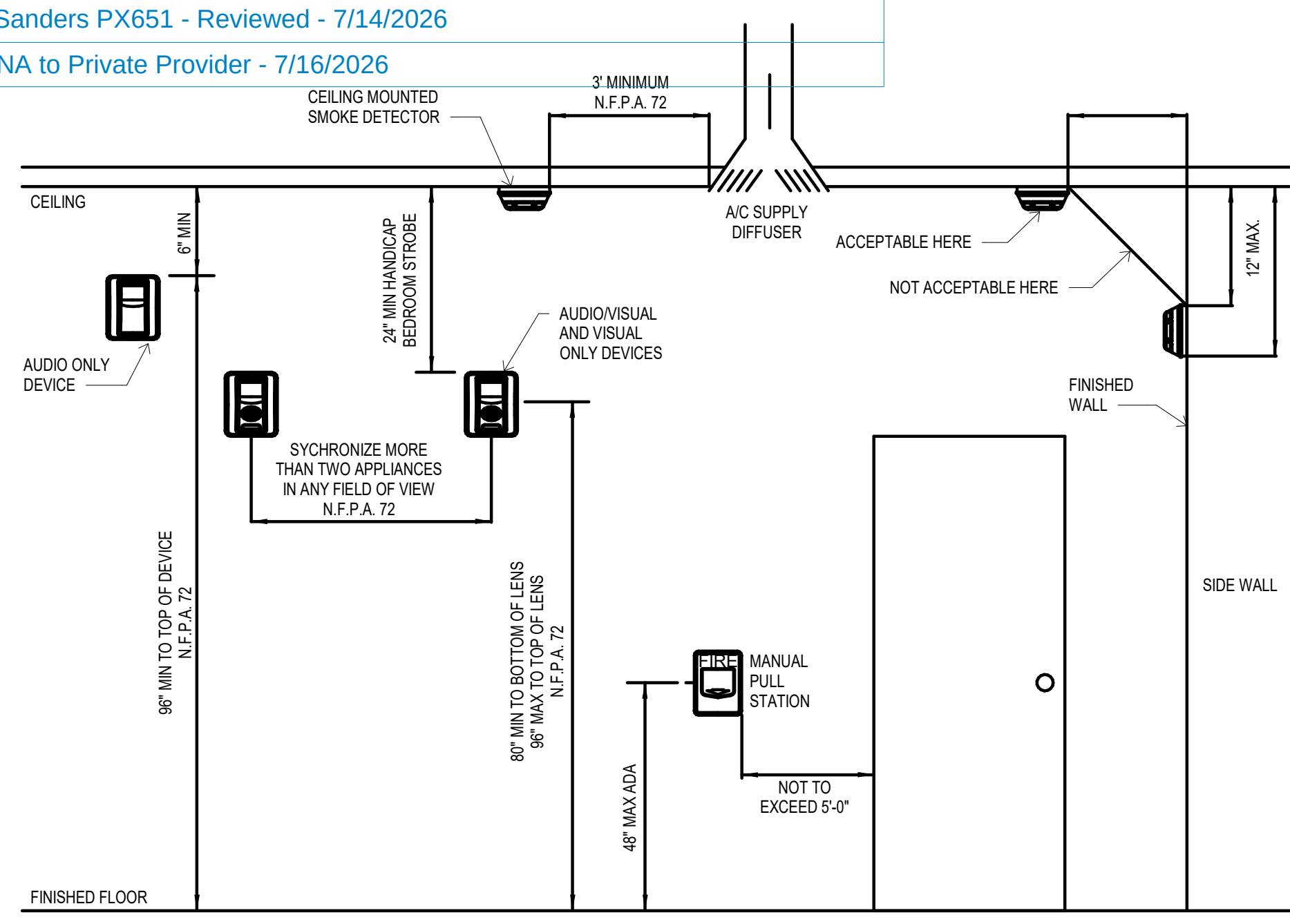
	FIRE ALARM CONTROL PANEL		FIRE ALARM MINI HORN
	FIRE ALARM ANNUNCIATOR PANEL		FIRE ALARM MINI HORN & STROBE COMBINATION
	FIRE ALARM PULL STATION		SURGE PROTECTOR DEVICE
	FIRE ALARM HORN		SMOKE DETECTOR
	FIRE ALARM HORN & STROBE COMBINATION		HEAT DETECTOR
	FIRE ALARM HORN & STROBE COMBINATION (CEILING MTD)		DUCT DETECTOR
	FIRE ALARM STROBE		REMOTE TEST STATION FOR DUCT DETECTOR
	EXTERIOR FIRE ALARM BELL		FIRE ALARM SHUT DOWN RELAY
			FLOW SWITCH
			TAMPER SWITCH



1 Fire Alarm System Riser Diagram
12" = 1'-0"

FIRE ALARM RISER - GENERAL NOTES:

- FIRE ALARM SYSTEM RISER DIAGRAM IS DIAGRAMMATICAL. SEE FLOOR PLANS FOR EXACT QUANTITIES OF DEVICES. WIRING SHALL BE AS RECOMMENDED BY SYSTEMS MANUFACTURER.
- DO NOT SCALE ELECTRICAL DRAWING FOR ANY DIMENSIONS.
- ALL WORK SHALL COMPLY WITH THE 2014 NATIONAL ELECTRICAL CODE, NATIONAL, STATE AND LOCAL CODES. PROVIDE GROUNDING AND BONDING PER NEC 250.
- PROVIDE 120VAC SURGE SUPPRESSION AND LOW VOLTAGE FIRE ALARM CIRCUIT SURGE SUPPRESSION.
- PROVIDE NOTIFICATION APPLIANCE CIRCUITS AND POWER SUPPLIES AS REQUIRED.
- REFER TO POWER AND SYSTEMS FLOOR PLANS FOR FIRE ALARM EQUIPMENT COUNT.
- PROVIDE 1" CONDUIT FROM FACP TO TTB.
- ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT WHERE REQUIRED BY CODE OR AHJ. PROVIDE ALL REQUIRED MONITORING AND CONTROL OF MECHANICAL UNITS AS REQUIRED BY AUTHORITY HAVING JURISDICTION.
- COORDINATE FINAL FLOW SWITCH, TAMPER SWITCH, AND FIRE ALARM CONNECTIONS REQUIRED BY FIRE PROTECTION DEVICES AS SHOWN IN FINAL SHOP DRAWINGS. PROVIDE ALL MONITORING OF FIRE PROTECTION SYSTEM AS REQUIRED.
- CARBON MONOXIDE DETECTION SHALL BE PROVIDED NEAR GAS APPLIANCES AND WITHIN 10 FEET OF SLEEPING AREAS IN BUILDINGS WITH FUEL BURNING APPLIANCES, PER FBC (2017) SECTION 908.8 AND FLORIDA STATE STATUTES (2018) #509.211(4) AND #553.885.



2 Fire Alarm Typical Mounting Height Detail
1" = 1'-0"

CONTROL UNIT ANNUNCIATION								NOTIFICATION	FIRE SAFETY CONTROL											
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
ACTUATE COMMON ALARM SIGNAL INDICATOR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
ACTUATE AUDIBLE ALARM SIGNAL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
ACTUATE COMMON SUPERVISORY SIGNAL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
ACTUATE COMMON TROUBLE SIGNAL INDICATOR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
ACTUATE COMMON TROUBLE SIGNAL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
ACTUATE ALARM INDICATOR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
ACTUATE EVACUATION SIGNAL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
DISPLAY/PRINT CHANGE OF STATUS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
RELEASE MAGNETICALLY HELD SMOKE DOORS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
RECALL ELEVATORS TO PRIMARY RECALL FLOOR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
RECALL ELEVATORS TO ALTERNATE RECALL FLOOR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
CLOSE SMOKE/FIRE DAMPERS IN RATED WALLS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
SHUTDOWN AFFECTED ELEVATOR POWER	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
SHUTDOWN AFFECTED AIR HANDLING UNIT(S)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
UNLOCK SECURED EGRESS EXITS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	

FIRE ALARM MATRIX OF OPERATIONS

NO SCALE

LAFATE WILSON

architects

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(727) 490-9483
studio@lafatewilson.com

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no.	description	date
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FIRE ALARM

DIAGRAM, DETAILS

& NOTES

Product Information

Firestop Putty Pad
(CP 617, CP 617L and CP 617XL)

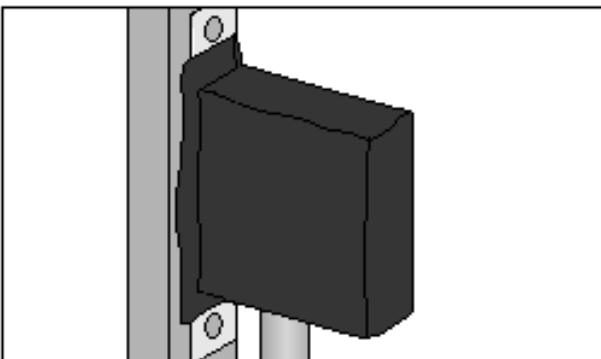
Product description
■ A moldable firestop putty designed to help protect electrical outlet boxes.

Product features
■ Applied by hand
■ Fast installation

Areas of application
■ Protection of electrical outlet boxes

For use with
■ Gypsum wall assemblies with wood or metal studs

Examples
■ Where two outlets are within a single stud/cavity or within 24" measured horizontally (not back to back unless specified by the specific UL approval)



Technical Data*	CP 617
Dimensions (LxWxH)	CP 617: 6" x 7" x 1/8" (15 x 18 x 0.3 cm) CP 617L: 7" x 7" x 1/8" (18 x 18 x 0.3 cm) CP 617XL: 9" x 9" x 1/8" (23 x 23 x 0.3 cm)
Consistency	Moldable putty
Color	Red
Application temperature	40°F (5°C) to 95°F (35°C)
Storage temperature	40°F (5°C) to 104°F (40°C)
Curing time	Non-curing
Density	1.48 g/cm ³
Fluorescent activation	Approx. 220°F to 250°F (154°C to 121°C)
Volatile solvents	None
Adhesive fibers	None
Surface burning characteristics (ASTM E 84-05)	Flame Spread: 15 Smoke development: 10
Sealant transmission classification (ASTM E 96-97)	99 (Passes to specific construction)
Tested in accordance with	UL 2033, ASTM E 84, ASTM E 81
	*At 70°F (21°C) and 65% relative humidity



Installation instructions for CP 617

Notes:
• Before handling, read Material Safety Data Sheet and product label for safe usage and health information.
• Instructions below are general guidelines — always refer to the applicable listing (CLN) in the UL Fire Resistance Directory or Hilti Firestop Systems Guide for complete installation information.

Application of firestop putty:
1. After ensuring box is cleared of loose debris, dirt, oil, moisture, frost and wax, remove label from one side of pad. For a 1 to 2 hour fire rating, one CP 617 pad is required. Exposed side of pad is placed against box.
2. CP 617 Firestop Putty Pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the

stud) and completely seal against the stud within the stud cavity.

3. Reshape CP 617 to fit around conduit or cables.
4. Press CP 617 to all sides of electrical box.
5. Remove other side of label.

1. Remove side from one side of CP 617

2. Adhere CP 617 to outlet box

3. Reshape CP 617 to fit around box

4. Press CP 617 to all sides of outlet box

5. Remove other side of label

6. Press CP 617 to all sides of outlet box

7. Remove other side of label

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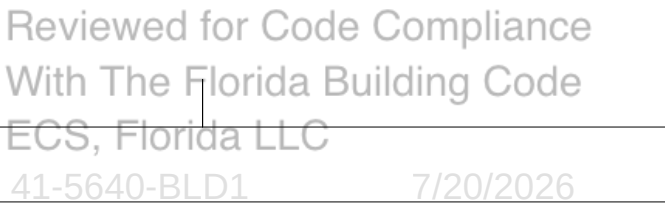
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Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

sheet size 24" x 36"

REFERENCE NOTES:

- 1

INSTALL NEW VERTICAL AHU. REFER TO AHU DETAIL FOR ADDITIONAL REQUIREMENTS. CONTRACTOR TO VERIFY EXACT LOCATION IN FIELD. PROVIDE NEW OUTSIDE AIR WALL CAP AND DUCT ROUTED AS SHOWN. BALANCE TO EACH QUANTITY SHOWN ON CALCULATION ON SHEET M3.1. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS.
- 2

NEW CONDENSING UNIT PLACED ON 4" TURNED DOWN HOUSEKEEPING PAD. ROUTE REFRIGERANT LINES FROM CU TO AHU WHERE SHOWN. SIZE AND INSULATE LINES PER MANUFACTURER'S INSTRUCTIONS AND COAT ANY EXPOSED EXTERIOR INSULATION WITH 2 COATS OF UV AND MOISTURE PROTECTANT.
- 3

RELOCATE AND INSTALL EXISTING HORIZONTAL AHU SUPPORTED FROM STRUCTURE ABOVE. EXTEND EXISTING REFRIGERANT, AND CONDENSATE PIPING AS NECESSARY. EXISTING CONDENSATE PUMP, DRAIN PAN AND ALL OTHER ACCESSORIES SHALL BE INSPECTED AND RE-USED OR REPLACED. AHU SHALL BE CLEANED TO LIKE-NEW CONDITION AND TESTED FOR PROPER FUNCTION. IF THE AHU IS FOUND TO BE IN INOPERABLE OR POOR CONDITION, THEY SHALL BE REPLACES WITH LIKE-FOR-LIKE EQUIPMENT. CONTRACTOR SHALL VERIFY THE CONDITION OF THE EXISTING EQUIPMENT TO BE RE-USED PRIOR TO COMMENCING RENOVATION WORK. EXTEND NEW OUTSIDE AIR DUCT ROUTED AS SHOWN AND BALANCE TO EACH QUANTITY SHOWN ON CALCULATION ON SHEET M4.1. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS. UNIT SHALL BE RETROFITTED WITH BI-POLAR IONIZATION AIR TREATMENT SYSTEM EQUAL TO "GPS-FC48-AC". DEVICE SHALL BE PLACED IN UNIT DOWNSTREAM OF FILTER BUT UPSTREAM OF COOLING COIL. OR PER MANUFACTURER'S INSTRUCTIONS FOR DUCT MOUNTED INSTALLATION. POWER WITH 120V POWER FOR UNIT. COORDINATE WITH MANUFACTURER OF EQUIPMENT. AHU AND ELECTRICAL CONTRACTOR. SEE GPS SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- 4

PROVIDE NEW INLINE EXHAUST FAN AND ROOF CURB ASSEMBLY. CONTRACTOR SHALL VERIFY FINAL EXHAUST FAN LOCATION IS MIN. 10'-0" FROM ALL FRESH AIR INTAKES ON NEARBY RTU'S. ROUTE 14"x8" EXHAUST DUCT UP TO GRAVITY VENTILATOR. "GREENHECK GRSI-8" OR EQUAL. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS.
- 5

PROVIDE ROOF CURB ASSEMBLY.ROUTE 14"x8" RELIEF DUCT UP TO GRAVITY VENTILATOR. "GREENHECK GRSR-8" OR EQUAL. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS.
- 6

PROVIDE NEW CEILING MOUNTED EXHAUST FANS TO BE CONNECTED TO EXISTING ROOF CONNECTIONS.

GENERAL NOTES:

1. ALL WORK SHALL BE COMPLETED TO COMPLY WITH ALL APPLICABLE LOCAL AND STATE CODES AND STANDARDS.
2. PROVIDE DUCT ACCESS DOOR FOR ALL S/FDPR, SDPR AND FDPR.
3. PROVIDE A VOLUME DAMPER ON ALL BRANCH DUCTWORK AND ANY RUNOUT TO A SUPPLY DIFFUSER, RETURN GRILLE OR EXHAUST GRILLE, WHETHER SHOWN OR NOT ON THE DRAWINGS.
4. ALL VOLUME DAMPERS INSTALLED ABOVE GYPSUM BOARD CEILING SHALL HAVE A REMOTELY OPERATED DAMPER.
5. PROVIDE VOLUME DAMPERS ON EACH BATHROOM EXHAUST GRILLE.
6. THE CONTRACTOR SHALL PROVIDE THE AIRFLOWS, QUANTITIES AND GENERAL LOCATIONS OF AIR TERMINAL DEVICES AS SHOWN ON THIS PLAN. THOUGH, EXACT CEILING MOUNTED AIR TERMINAL DEVICE CEILING GRID LOCATIONS SHALL BE PER THE ARCHITECTURAL REFLECTED CEILING PLAN AND COORDINATED WITH ALL OTHER CEILING MOUNTED DEVICES PRIOR TO INSTALLATION.
7. SEE AIR DEVICE SCHEDULE FOR DIFFUSER/GRILL NECK AND/OR DUCT CONNECTION SIZES.
8. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS. MAINTAIN ALL MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES AROUND EACH PIECE OF EQUIPMENT.
9. DO NOT LOCATE ANY MECHANICAL INTAKE (I.E. LOUVER OA INTAKE) WITHIN 10FT OF ANY MECHANICAL EXHAUST POINT/EXHAUST FAN.
9. PROTECT RATED ASSEMBLY PENETRATIONS WITH A FIRE OR SMOKE DAMPER AS IS APPROPRIATE TO RETAIN THE ASSEMBLY RATING PER CODE.
10. ALL LOUVER LOCATIONS AND ELEVATIONS SHALL BE COORDINATED WITH ARCHITECTURAL PLANS.
11. DO NOT LOCATE ROOFTOP MECHANICAL EQUIPMENT WITHIN 10FEET OF ANY ROOF EDGE.

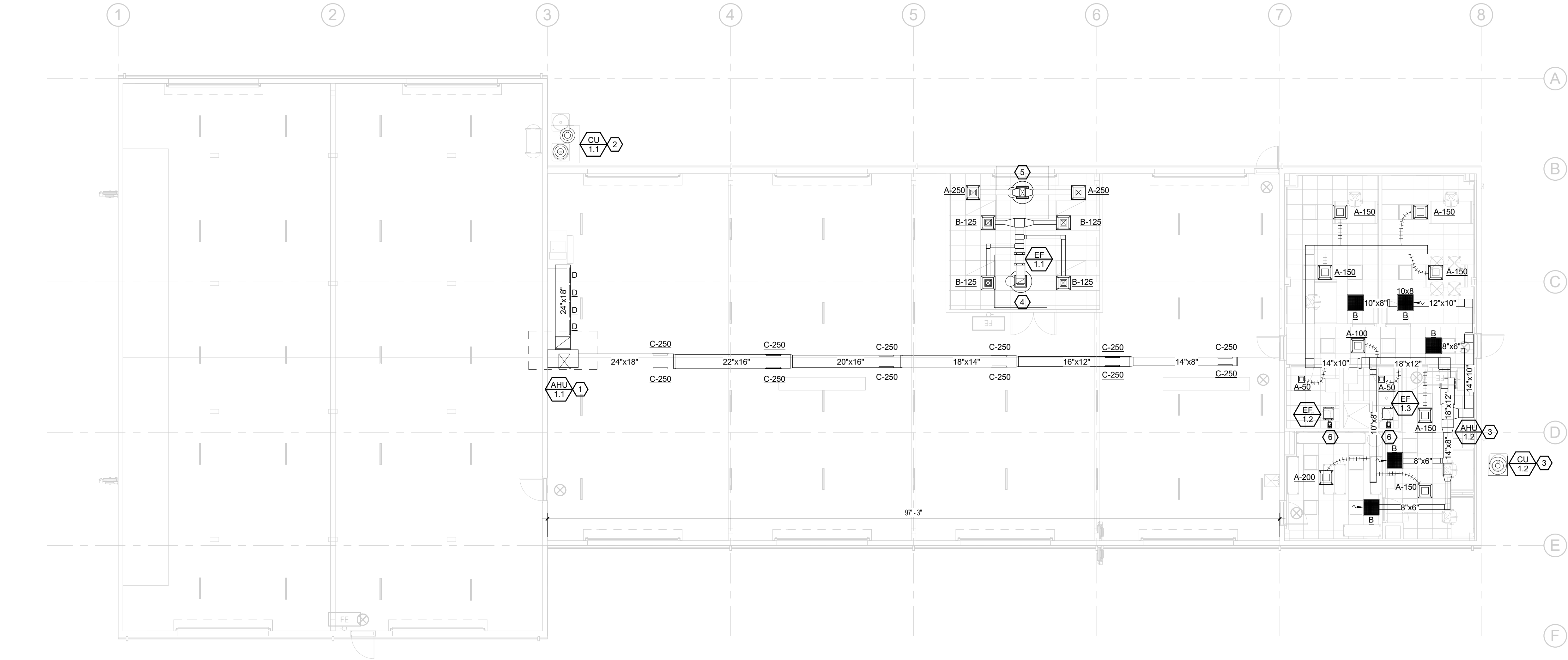
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	PERMIT SET	04.24.26

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BUILDING 1 FIRST
FLOOR PLAN -
MECHANICAL



1 MAINTENANCE BUILDING FLOOR PLAN - MECHANICAL

1/8" = 1'-0"

Planning Review - N/A

Final Review - Jay Traina

DX SPLIT SYSTEM - CONDENSING UNIT SCHEDULE (HEAT PUMP)

UNIT NO.	SECTION BASED ON		SERVING	UNIT DATA				CONDENSER FAN MOTOR				COMPRESSOR DATA						UNIT ELECTRIC DATA					NOTES
	MANUFACTURER	MODEL		GROSS CAP. (MBH)	EER / (SEER2)	COND. EAT F	REFRIG TYPE	QTY	HP (EACH)	VOLT	PH	QTY	STAGES	VOLT	PH	RLA (EACH)	LRA (EACH)	VOLT	PH	FLA	MCA	MOCP	
CU-1.1	CARRIER	38AXQM08	AHU-1.1	90	(16.0)	95	R-454B	2	0.25	208	3	1	1	208	3	26.3	191	208	3	1.5	42	60	ALL

NOTES:

1.PROVIDE COMPLETE WITH PULL TYPE DISCONNECT SWITCH (PROVIDED BY DIVISION 16), TIME DELAY RELAY AND ANTI-SHORT CYCLE TIMER.

2.MOUNT AND SECURE CONDENSING UNITS PER DETAILS PROVIDED.

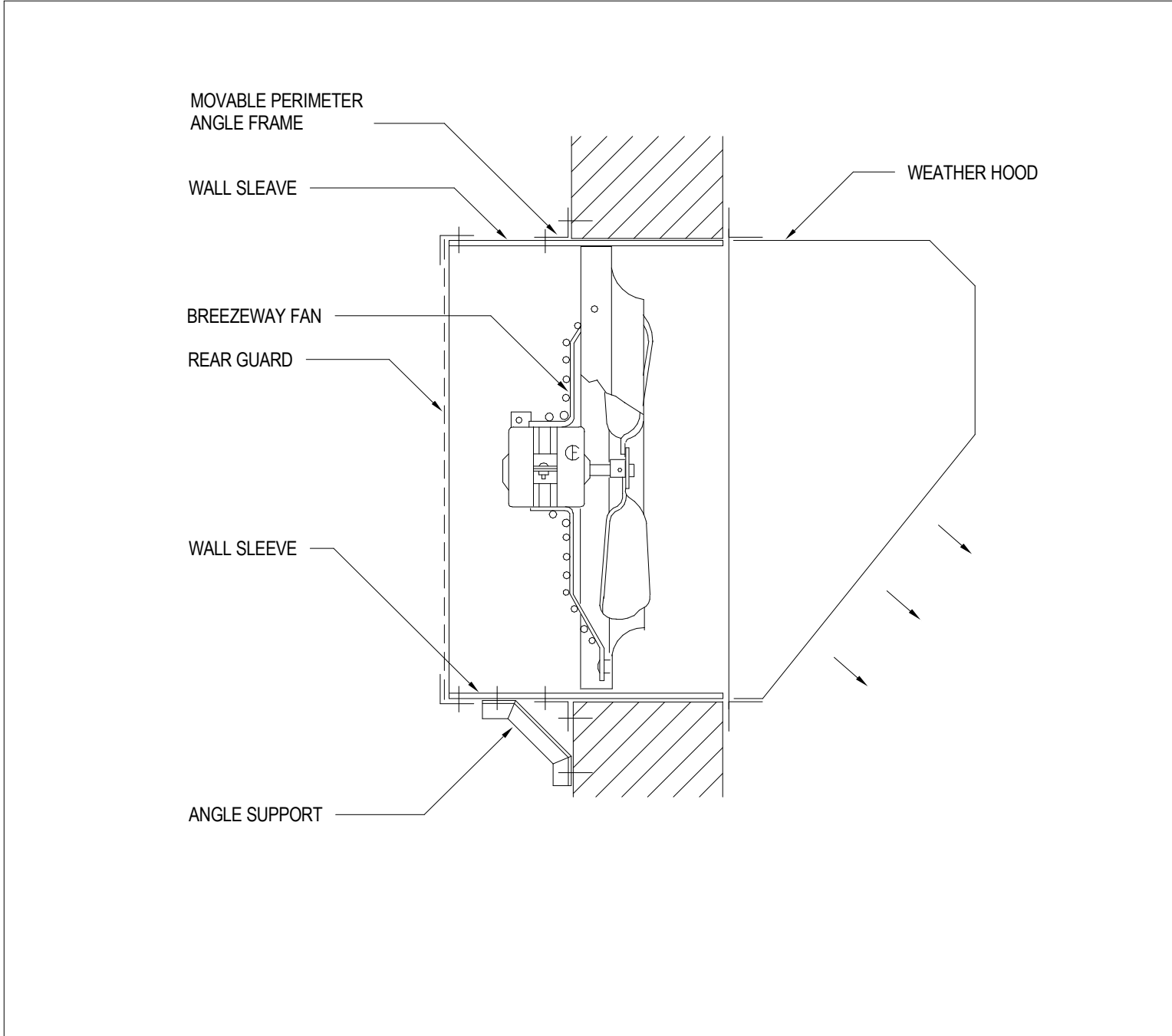
DX SPLIT SYSTEM - INDOOR UNIT SCHEDULE																								
UNIT NO.	SELECTION BASED ON		FAN DATA						COIL DATA								UNIT ELECTRICAL DATA					UNIT WEIGHT	NOTES	
	MANUFACTURER	MODEL	TOTAL AIRFLOW (CFM)	OUTSIDE AIR (CFM)	EXT. STATIC P. (IN H2O)	MOTOR DATA			NET COOLING CAPACITY (MBH)	NET SENSIBLE CAPACITY (MBH)	MAX CC LAT (°F)	DB	HOT GAS REHEAT COIL DATA		ELEC. HEATER DATA		VOLT	PH	BLOWER MOTOR FLA	MCA	MOCP			
						HP	VOLT	PH					HOT GAS REHEAT COIL	HOT GAS REHEAT COIL LAT (°F)DB	KW	LAT (DEG-F)								
AHU-1.1	CARRIER	40RLQA08	3,000	350	0.5	2.4	208	3	90	82	75		NO	N/A	15	85		208	3	5.8	52.4	60	385	1-3
NOTES: 1. PROVIDE COMPLETE WITH 7-DAY PROGRAMMABLE THERMOSTAT WITH HUMIDISTAT. 2. ROUTE AND SIZE REFRIGERANT LINES PER MANUFACTURER'S REQUIREMENTS. 3. PROVIDE INTERNAL CIRCUIT BREAKER PROTECTION OPTION. 4. PROVIDE CONDENSATE OVERFLOW SWITCH SAFE-T SWITCH MODEL SS2 OR EQUIVALENT. 5. PROVIDE WITH MOTORIZED OUTSIDE AIR DAMPER. DAMPER TO BE INTERLOCKED WITH AHU AND BALANCED PER OUTSIDE AIR SCHEDULE. 6. UNIT SHALL BE PROVIDED WITH BI-POLAR IONIZATION AIR TREATMENT SYSTEM EQUAL TO "GPS-FC48-AC". DEVICE SHALL BE PLACED IN UNIT DOWNSTREAM OF FILTER BUT UPSTREAM OF COOLING COIL. OR PER MANUFACTURER'S INSTRUCTIONS FOR DUCT MOUNTED INSTALLATION. POWER WITH 120V POWER FOR UNIT. COORDINATE WITH MANUFACTURER OF EQUIPMENT, RTU AND ELECTRICAL CONTRACTOR. SEE GPS SCHEDULE FOR ADDITIONAL REQUIREMENTS.																								

DX SPLIT AIR HANDLING UNIT SCHEDULE																						
MARK	LOCATION SERVED	FAN				COOLING COIL			FILTERS			ELECTRIC HEATING COIL			SINGLE POINT UNIT ELEC. REQ'S		UNIT INFORMATION					
		TOTAL AIR FLOW (CFM)	OUTSIDE AIR FLOW (CFM)	EXT. STATIC PRESS. (IN.WG.)	DRIVE TYPE	HP	ENT. AIR TEMP. (F° DB/WB)	LEAVING AIR TEMP. (F° DB/WB)	TOTAL CAP. (BTUH)	TYPE	EFF. %	THICK	NO. OF ST.	TOTAL KW	VOLTAGE/ PHASE	SINGLE CIRCUIT MCA	SINGLE CIRCUIT MOCP	UNIT SIZE (H°XW°XD°)	OP. WEIGHT (LBS.)	MANUFACTURER	MO. NUMBER	NOTES
AHU-4.1	LOCKER ROOM AREA	2000	-	0.5	DIR.	3/4	80.0/67.0	56.0/54.0	60,000	TH AWAY	25%-30%	1"	1	7.5	208/1 ^{1/2}	51.6	60	59"x25"x22"	203	CARRIER	FGSANBD60L	ALL
AHU-4.2	BREAK ROOM	1400	-	0.5	DIR.	3/4	80.0/67.0	56.0/54.0	42,000	TH AWAY	25%-30%	1"	1	7.5	208/1 ^{1/2}	51.6	60	59"x25"x22"	203	CARRIER	FGSANBD60L	ALL
AHU-4.3	BREAK ROOM	1600	-	0.5	DIR.	3/4	80.0/67.0	56.0/54.0	48,000	TH AWAY	25%-30%	1"	1	7.5	208/1 ^{1/2}	51.6	60	59"x25"x22"	203	CARRIER	FGSANBD60L	ALL
AHU-4.4	DORM	1200	-	0.5	DIR.	1/2	80.0/67.0	56.0/54.0	36,000	TH AWAY	25%-30%	1"	1	6.0	208/1 ^{1/2}	40.6	45	54"x22"x22"	146	CARRIER	FGSAXNC36L	ALL
AHU-4.4	COMMON AREA	1200	-	0.5	DIR.	1/2	80.0/67.0	56.0/54.0	36,000	TH AWAY	25%-30%	1"	1	6.0	208/1 ^{1/2}	40.6	45	54"x22"x22"	146	CARRIER	FGSAXNC36L	ALL
AHU-4.6	DORM	1200	-	0.5	DIR.	1/2	80.0/67.0	56.0/54.0	36,000	TH AWAY	25%-30%	1"	1	6.0	208/1 ^{1/2}	40.6	45	54"x22"x22"	146	CARRIER	FGSAXNC36L	ALL
NOTES: 1. PROVIDE COMPLETE WITH 7-DAY PROGRAMMABLE THERMOSTAT/HUMIDISTAT (ECOBEE) AND REMOTE TEMPERATURE SENSORS AS SHOWN. 2. ROUTE AND SIZE REFRIGERANT LINES PER MANUFACTURER'S REQUIREMENTS. 3. PROVIDE INTERNAL CIRCUIT BREAKER PROTECTION OPTION. 4. PROVIDE CONDENSATE OVERFLOW SWITCH SAFE-T SWITCH MODEL SS2 OR EQUIVALENT. 5. PROVIDE WITH MOTORIZED OUTSIDE AIR DAMPER. DAMPER TO BE INTERLOCKED WITH AHU AND BALANCED PER OUTSIDE AIR SCHEDULE. 6. UNIT SHALL BE PROVIDED WITH BI-POLAR IONIZATION AIR TREATMENT SYSTEM EQUAL TO "GPS-FC48-AC". DEVICE SHALL BE PLACED IN UNIT DOWNSTREAM OF FILTER BUT UPSTREAM OF COOLING COIL. OR PER MANUFACTURER'S INSTRUCTIONS FOR DUCT MOUNTED INSTALLATION. POWER WITH 120V POWER FOR UNIT. COORDINATE WITH MANUFACTURER OF EQUIPMENT, RTU AND ELECTRICAL CONTRACTOR. SEE GPS SCHEDULE FOR ADDITIONAL REQUIREMENTS.																						

DX SPLIT CONDENSING UNIT SCHEDULE (HEAT PUMP)																				
MARK	LOCATION	COMPRESSOR		COND. FANS		ELECTRICAL								UNIT INFORMATION		MANUFACTURER	MODEL NUMBER	NOTES		
		OUTDOOR DESIGN TEMP. (F°)	QTY.	CAP. STEPS %	NOM. HP	VOLT/ PHASE	COMP. RLA EACH	COND. FANS QTY.	FLA (EA.)	MCA	MOCP	SEER2	HSPF2	UNIT SIZE (H"XW"XD")	OP WEIGHT (LBS.)					
CU-4.1	GROUND	95°	1	100	1	1/4	208/1½	23.7	1	1.50	31.1	50	15.2	7.8	28"x32"x32"	233	CARRIER	GHSSAN560		ALL
CU-4.2	GROUND	95°	1	100	1	1/4	208/1½	23.7	1	1.50	31.1	50	15.5	7.8	28"x32"x32"	233	CARRIER	GHSSAN560		ALL
CU-4.3	GROUND	95°	1	100	1	1/4	208/1½	23.7	1	1.50	31.1	50	15.5	7.8	28"x32"x32"	233	CARRIER	GHSSAN560		ALL
CU-4.4	GROUND	95°	1	100	1	1/4	208/1½	22.4	1	1.40	29.4	50	15.5	7.8	28"x32"x32"	231	CARRIER	GHSSAN548		ALL
CU-4.5	GROUND	95°	1	100	1	1/4	208/1½	22.4	1	1.40	29.4	50	15.5	7.8	28"x32"x32"	231	CARRIER	GHSSAN548		ALL
CU-4.6	GROUND	95°	1	100	1	1/4	208/1½	22.4	1	1.40	29.4	50	15.5	7.8	28"x32"x32"	231	CARRIER	GHSSAN548		ALL
NOTES: 1. PROVIDE COMPLETE WITH PULL TYPE DISCONNECT SWITCH (PROVIDED BY DIVISION 16) TIME DELAY RELAY AND ANTI-SHORT CYCLE TIMER. 2. TOTAL DEVELOPED LINESET LENGTH, INCLUDING HORIZONTAL AND VERTICAL DISTANCE, TO BE VERIFIED WITH CONDENSING UNIT MANUFACTURER PRIOR TO PURCHASE. IF CONDENSING UNIT LOCATIONS EXCEED THE MANUFACTURER'S RECOMMENDED TOTAL LINESET LENGTH VERIFY THE MANUFACTURER HAS AN OPTION TO ALLOW FOR LONG LINESETS AND PROVIDE ACCESSORIES AS REQUIRED. 3. MOUNT AND SECURE CONDENSING UNITS PER DETAILS PROVIDED.																				

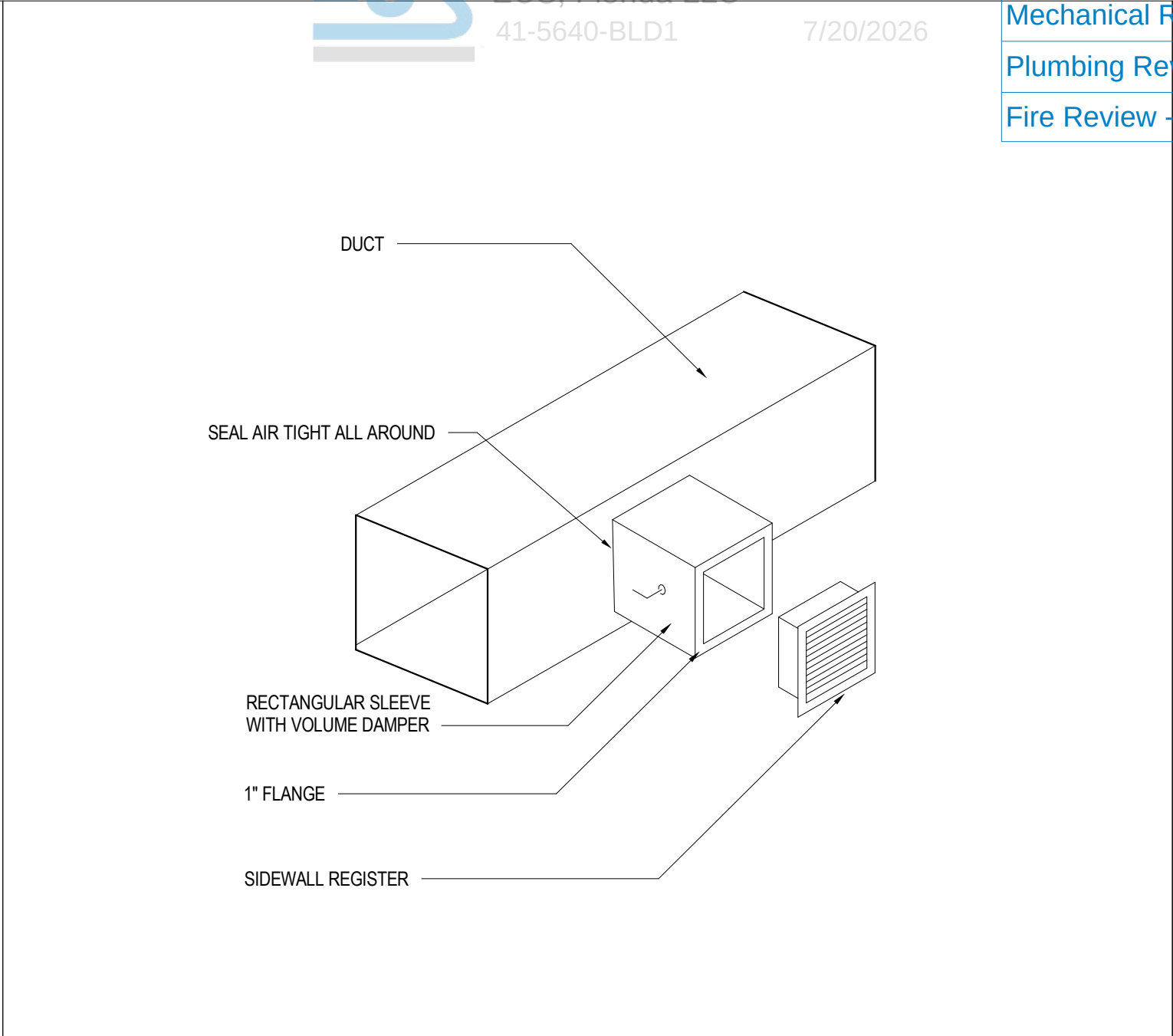
EXHAUST FAN SCHEDULE													
MARK	MANUFACTURER	MODEL	SERVING	TYPE	CFM	EXTERNAL STATIC PRESSURE (IN. W.G.)	SONES	FAN RPM	MOTOR DATA				NOTES
									HP/(WATTS)	RPM	VOLT	PH	
EF-1.1	GREENHECK	CSP-A510-VG	GRINDING ROOM	CABINET	500	0.5	0.8	1369	1/6	1800	120	1	1,2,3,7,8
EF-1.2	GREENHECK	SQ-A90	RESTROOMS	CABINET	70	0.5	0.8	900	(15)	1200	120	1	1,2,3,7,8
EF-1.3	GREENHECK	SQ-A90	RESTROOMS	CABINET	70	0.5	0.8	900	(15)	1200	120	1	1,2,3,7,8
EF-3.1	GREENHECK	BAER-36-03-0310	DRY STORAGE	WALL MOUNTED	550	0.5	29	1017	1.5	1200	120	1	1,2,3,7,8
EF-3.2	GREENHECK	BAER-36-03-0910	CHEMICAL STORAGE	WALL MOUNTED	1700	0.5	27	737	1	1200	120	1	1,2,3,7,8
EF-4.1	GREENHECK	CSP-A510-VG	RESTROOMS/LOCKER ROOM	INLINE	310	0.5	0.8	1144	1/6	1800	120	1	1,2,3,7,8
EF-4.2	GREENHECK	CSP-A510-VG	RESTROOMS/LOCKER ROOM	INLINE	300	0.5	0.8	1144	1/6	1800	120	1	1,2,3,7,8
EF-4.3	GREENHECK	SQ-A90	RESTROOMS	CABINET	70	0.5	0.8	900	(15)	1200	120	1	1,2,3,7,8
REMARKS: 1. PROVIDE WITH BACKDRAFT DAMPER 2. PROVIDE WITH DISCONNECT SWITCH 3. PROVIDE WITH SCR. SPEED CONTROLLER OR POTENTIOMETER DIAL FOR ECM MOTORS. 4. PROVIDE WITH ROOF CURB 5. SPARK/EXPLOSION PROOF 6. PROVIDE WITH INSULATED HOUSING FOR SOUND CONTROL. 7. PROVIDE WITH VIBRATION ISOLATORS. HANG USING VIBRATION ISOLATION HANGERS 8. FAN SHALL TIE INTO RESTROOM LIGHT SWITCH/OCCUPANCY SENSOR.													
GENERAL: 1. ALL ROOF MOUNTED FANS MUST HAVE A FLORIDA PRODUCT APPROVAL NUMBER.													

no.	description	date
	PERMIT SET	04.24.26



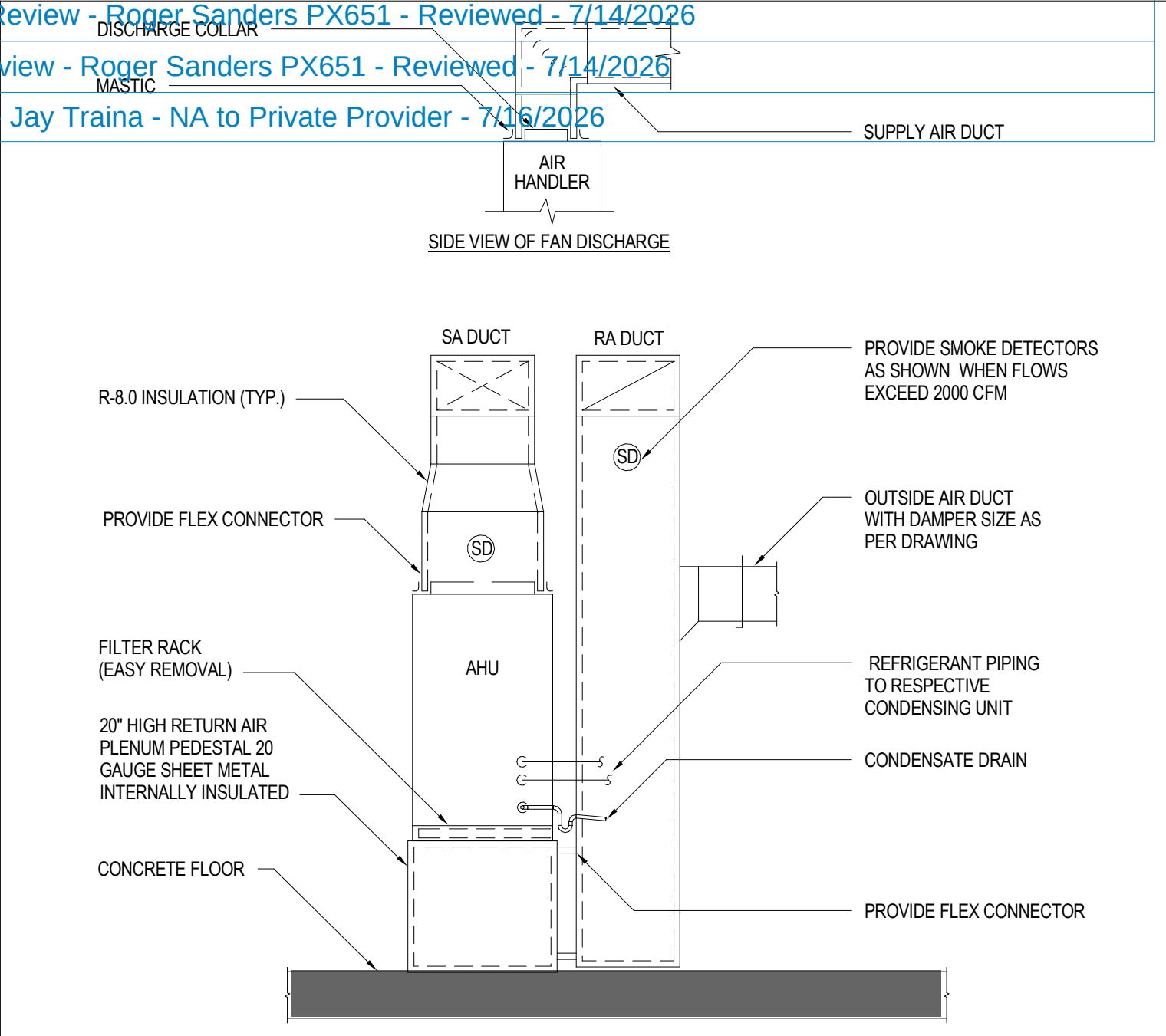
WALL MOUNTED BREEZEWAY FAN DETAIL

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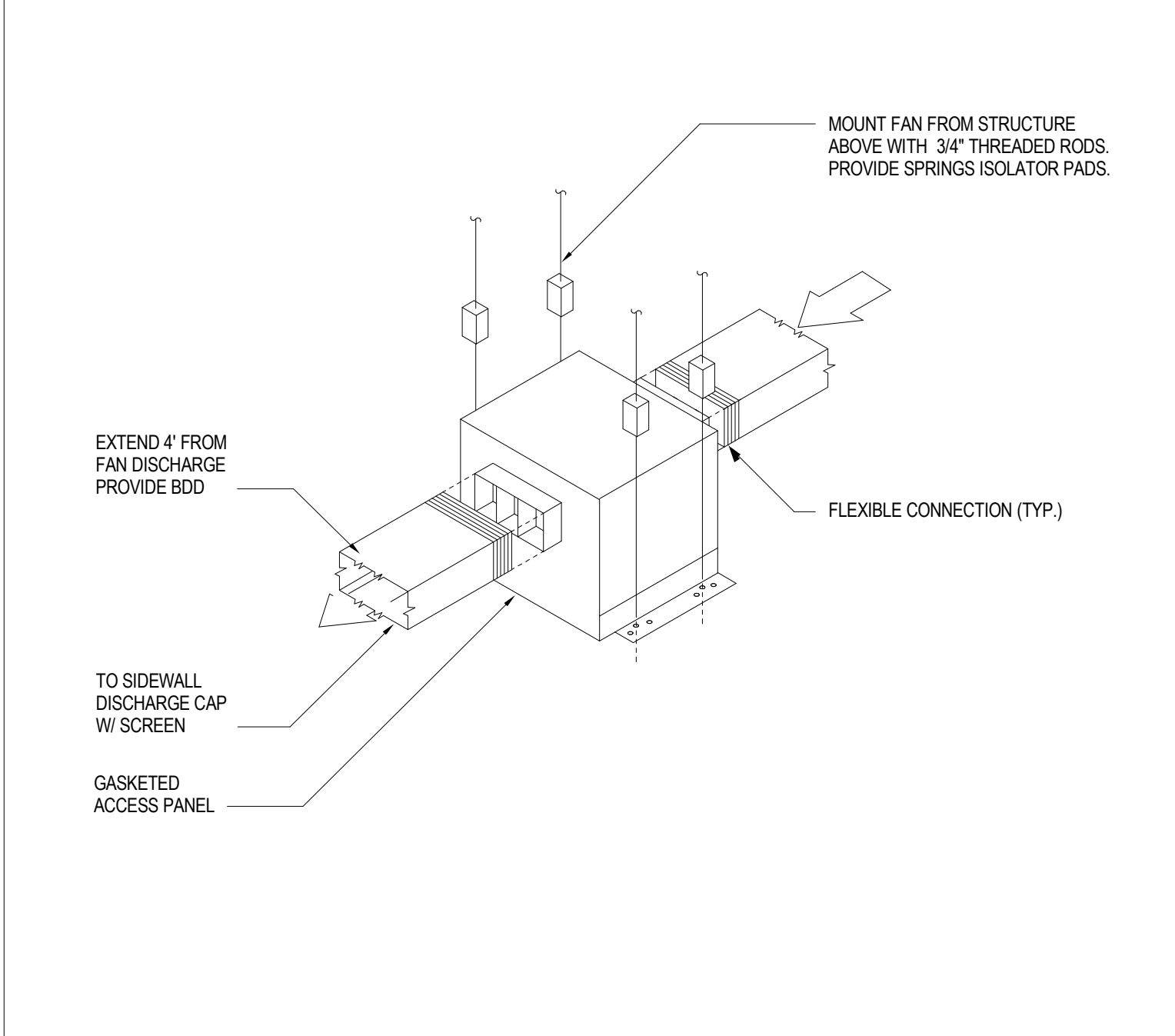
SIDEWALL GRILLE DUCT CONNECTION

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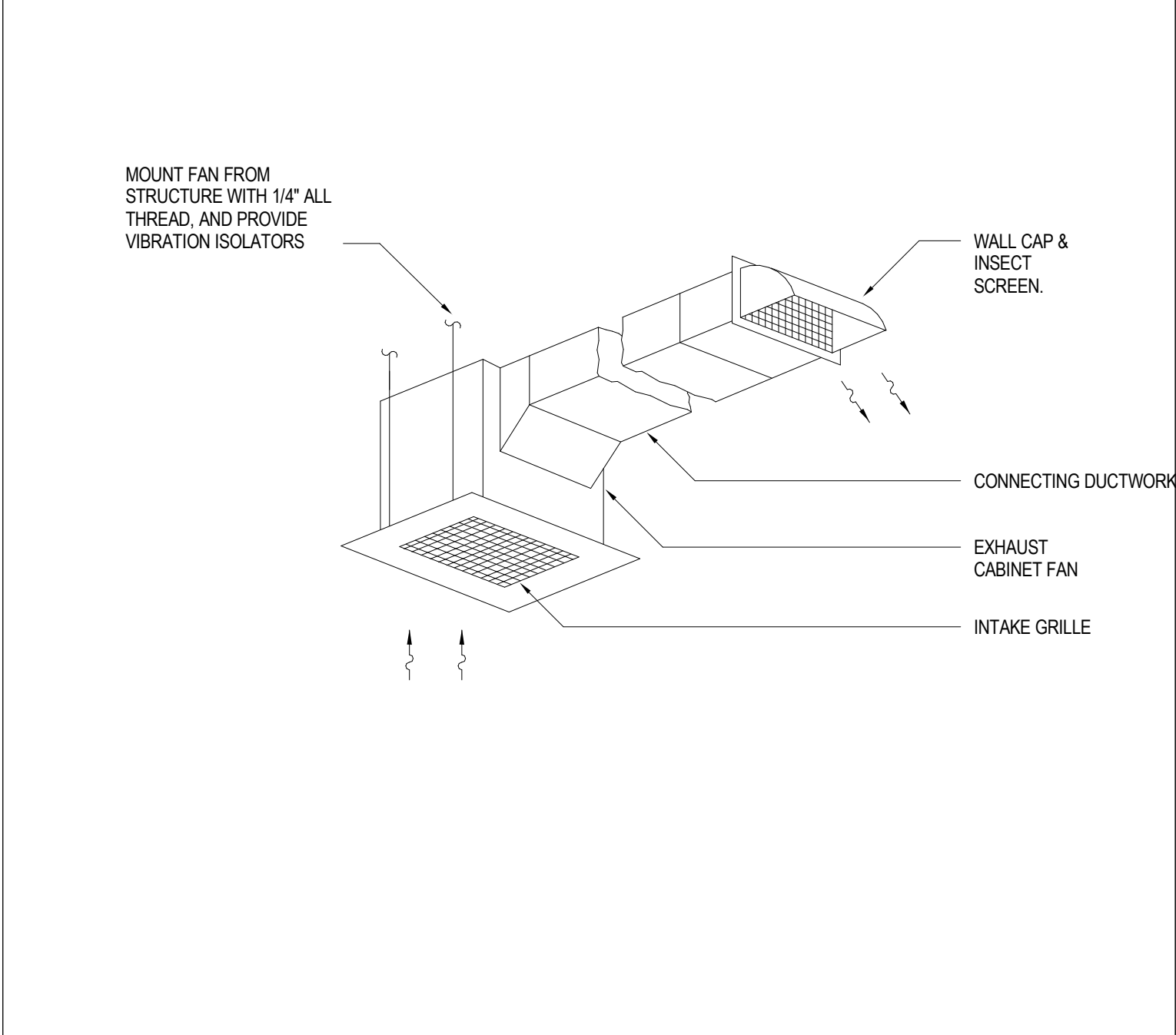
VERTICAL AIR HANDLER DIAGRAM

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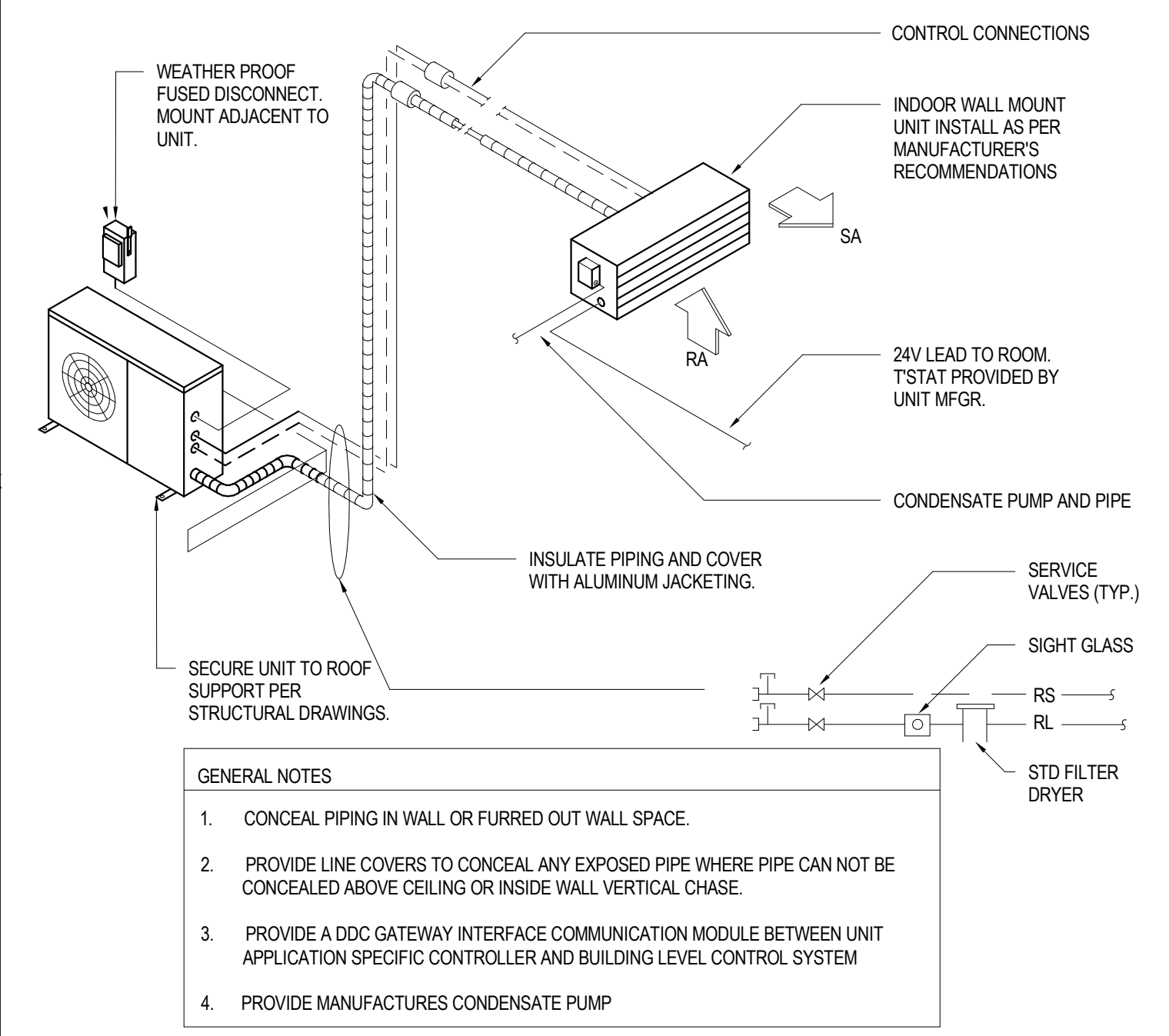
IN-LINE CEILING EXHAUST FAN DETAIL

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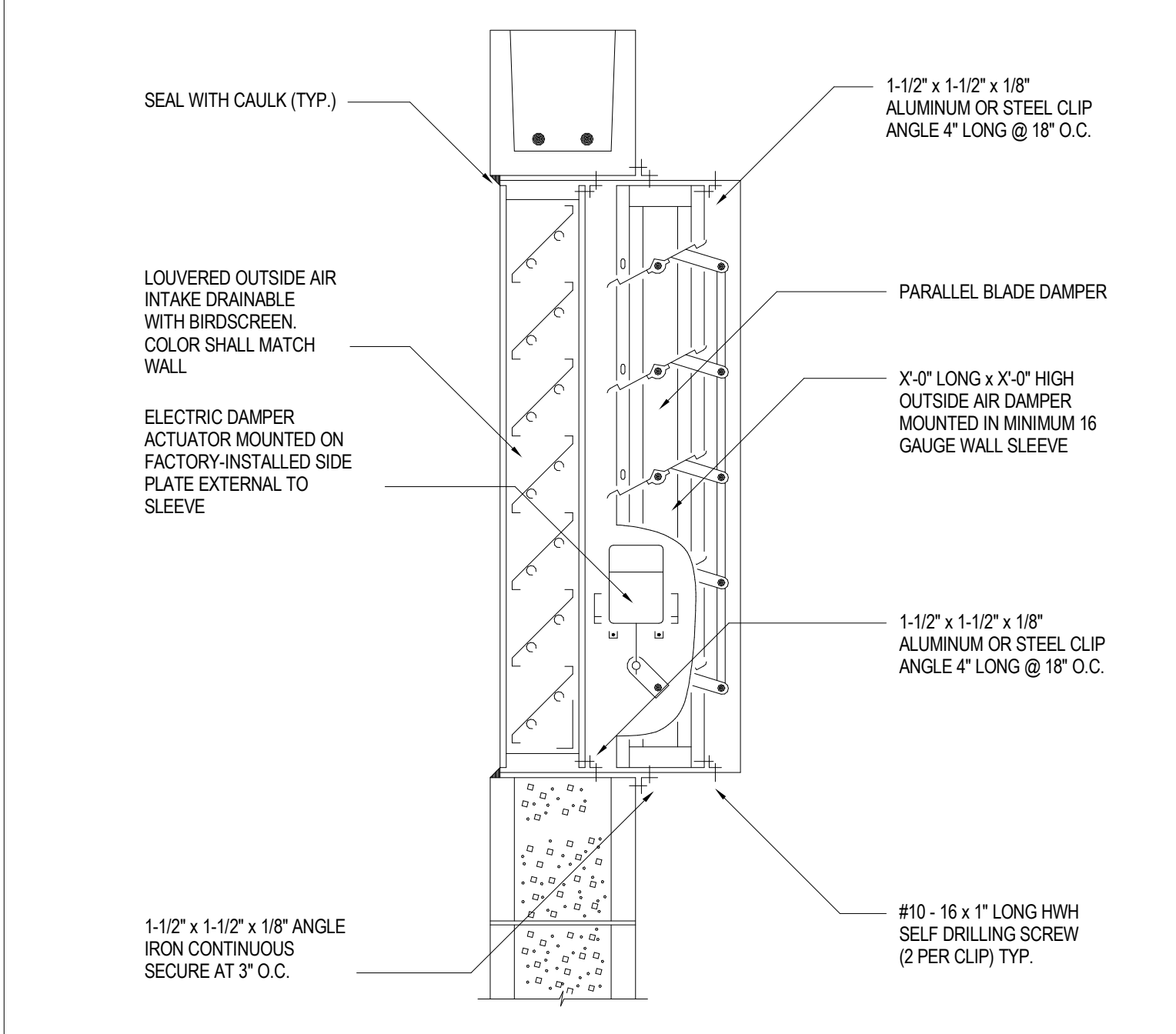
CEILING EXHAUST FAN DETAIL

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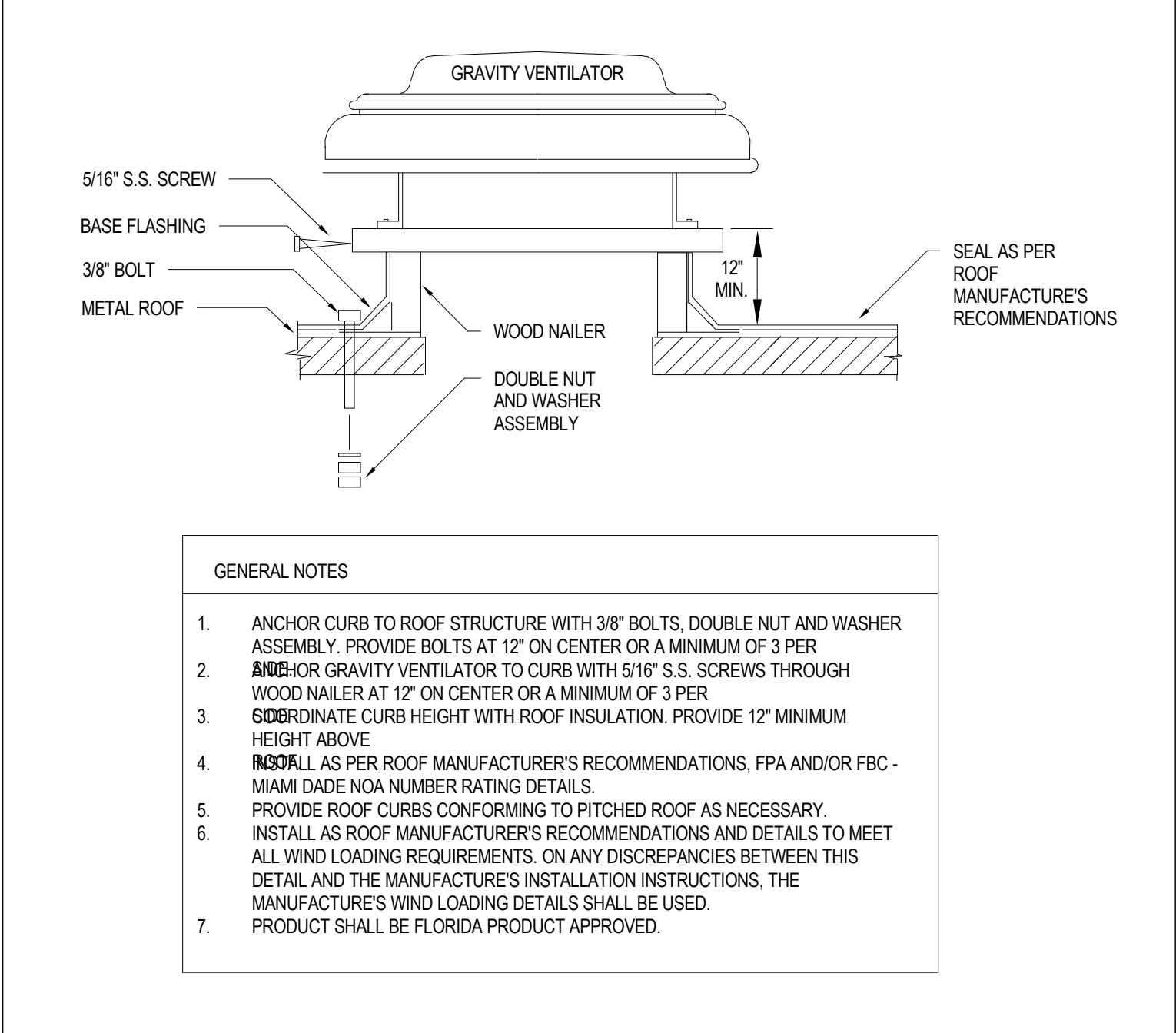
DUCTLESS AIR CONDITIONER UNIT DETAIL

B



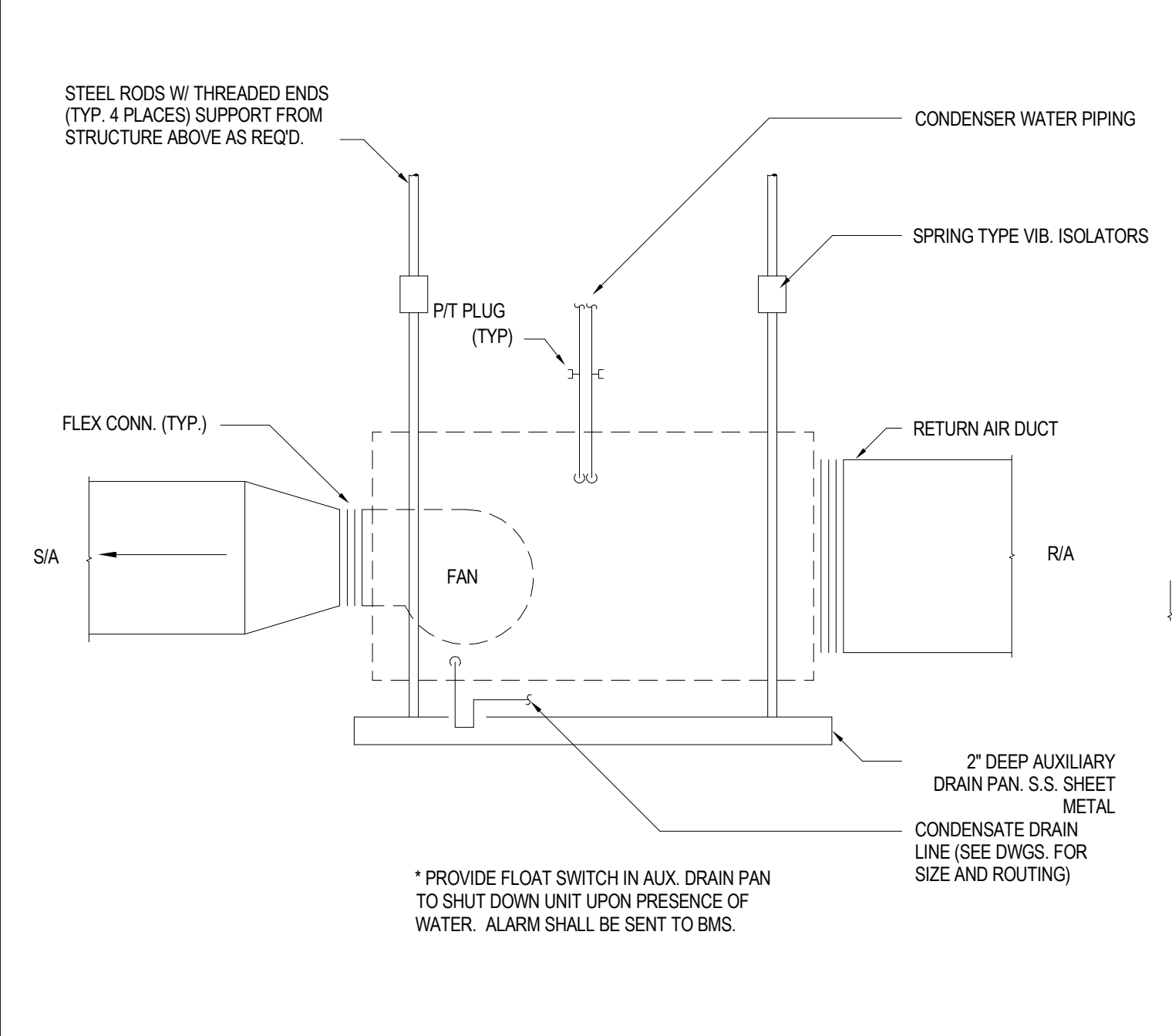
OUTSIDE AIR LOUVER W/MOTORIZED DAMPER

G



GRAVITY VENTILATOR DETAIL

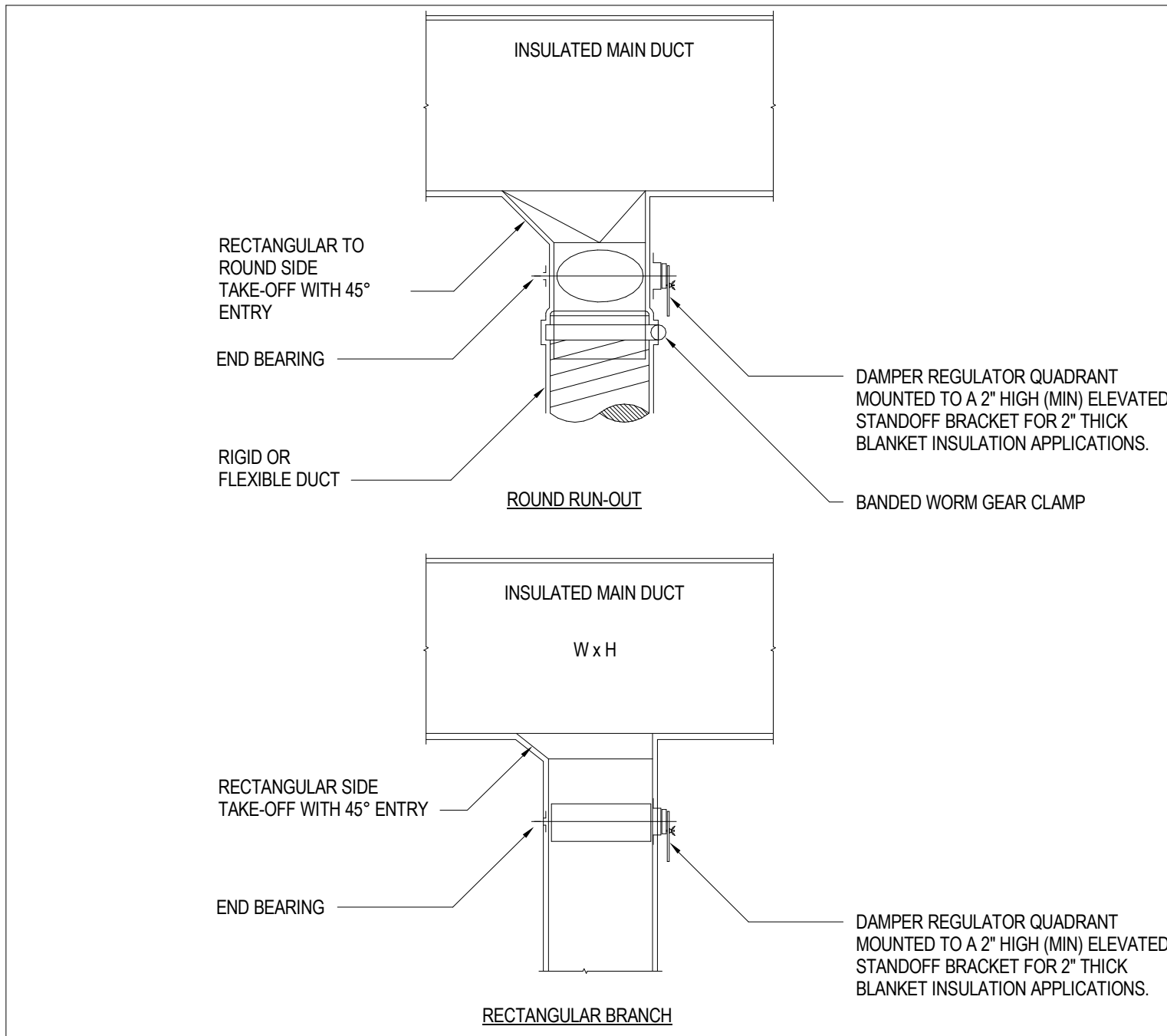
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HORIZONTAL AHU DETAIL

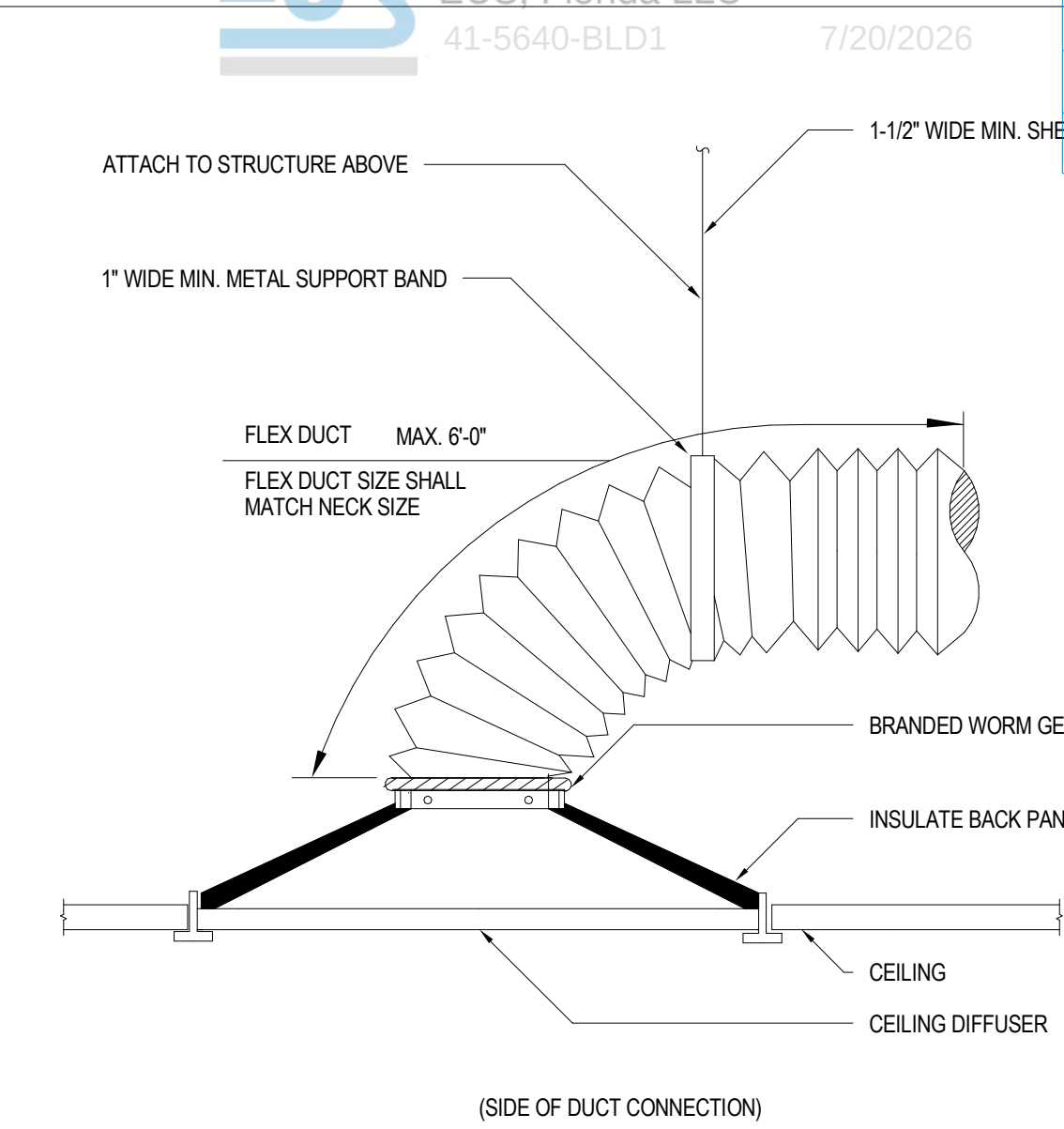
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no.	description	date
	PERMIT SET	04.24.26



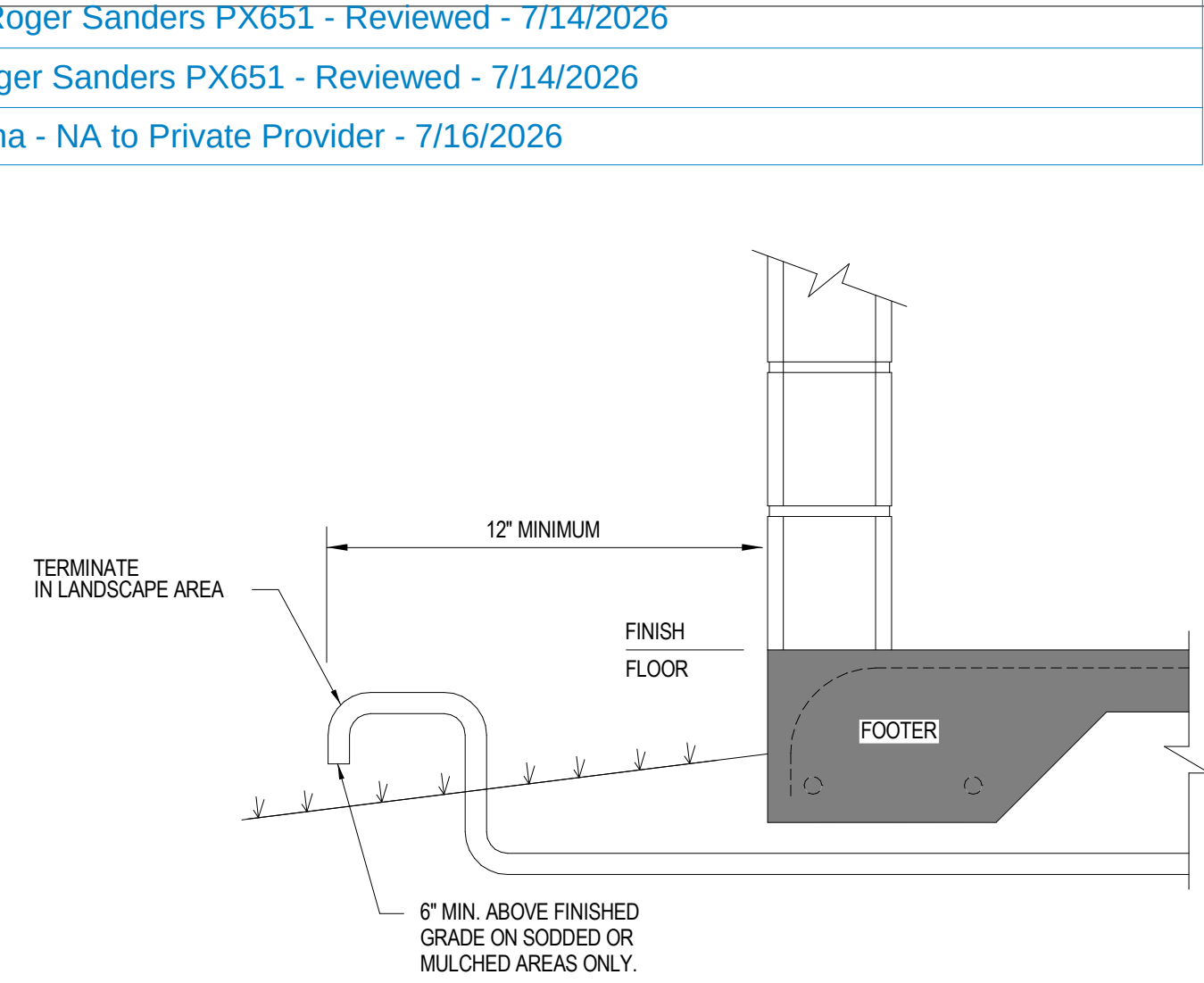
BRANCH TAKE-OFFS

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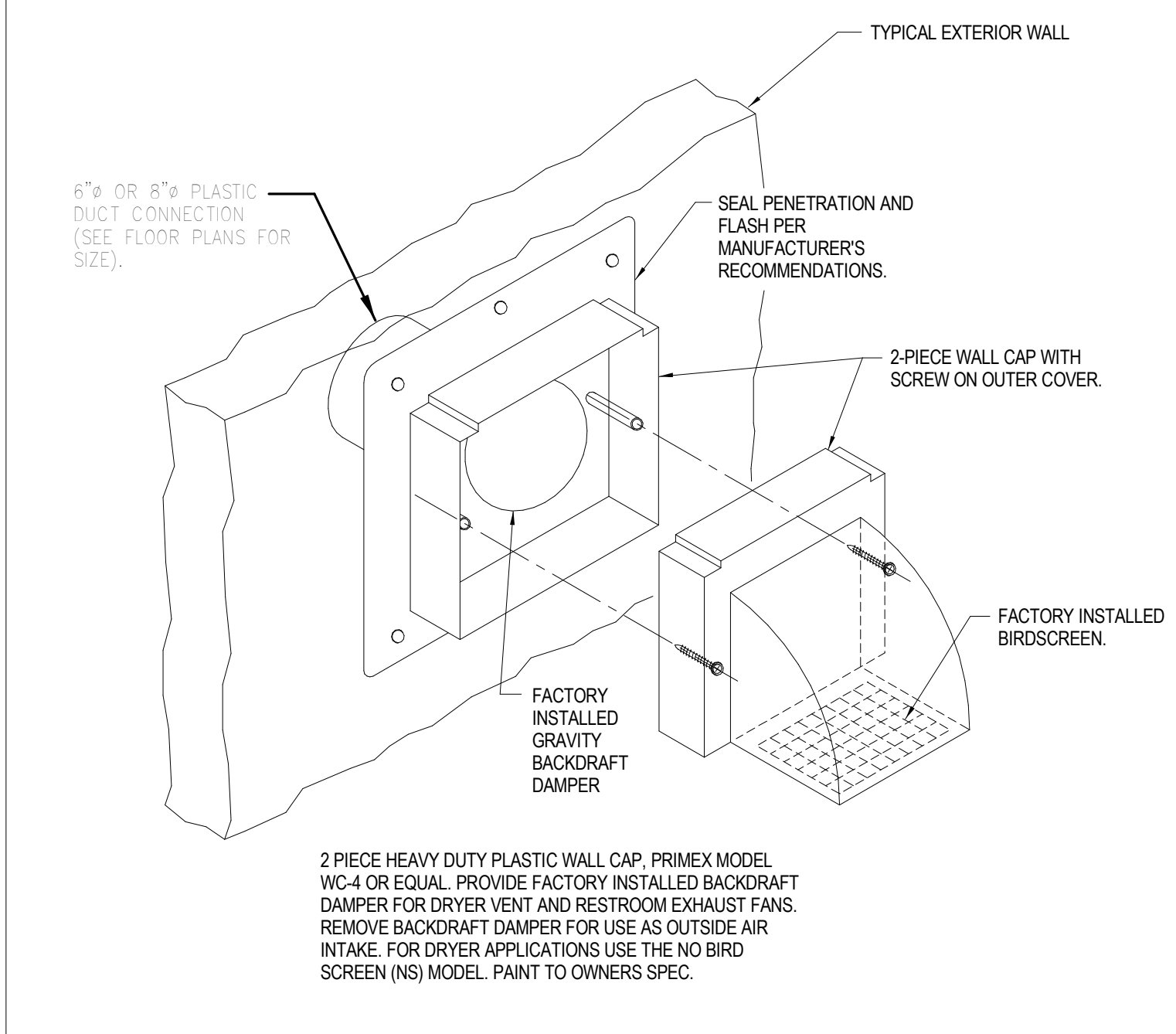
TYPICAL SUPPLY DIFFUSER CONNECTION

F



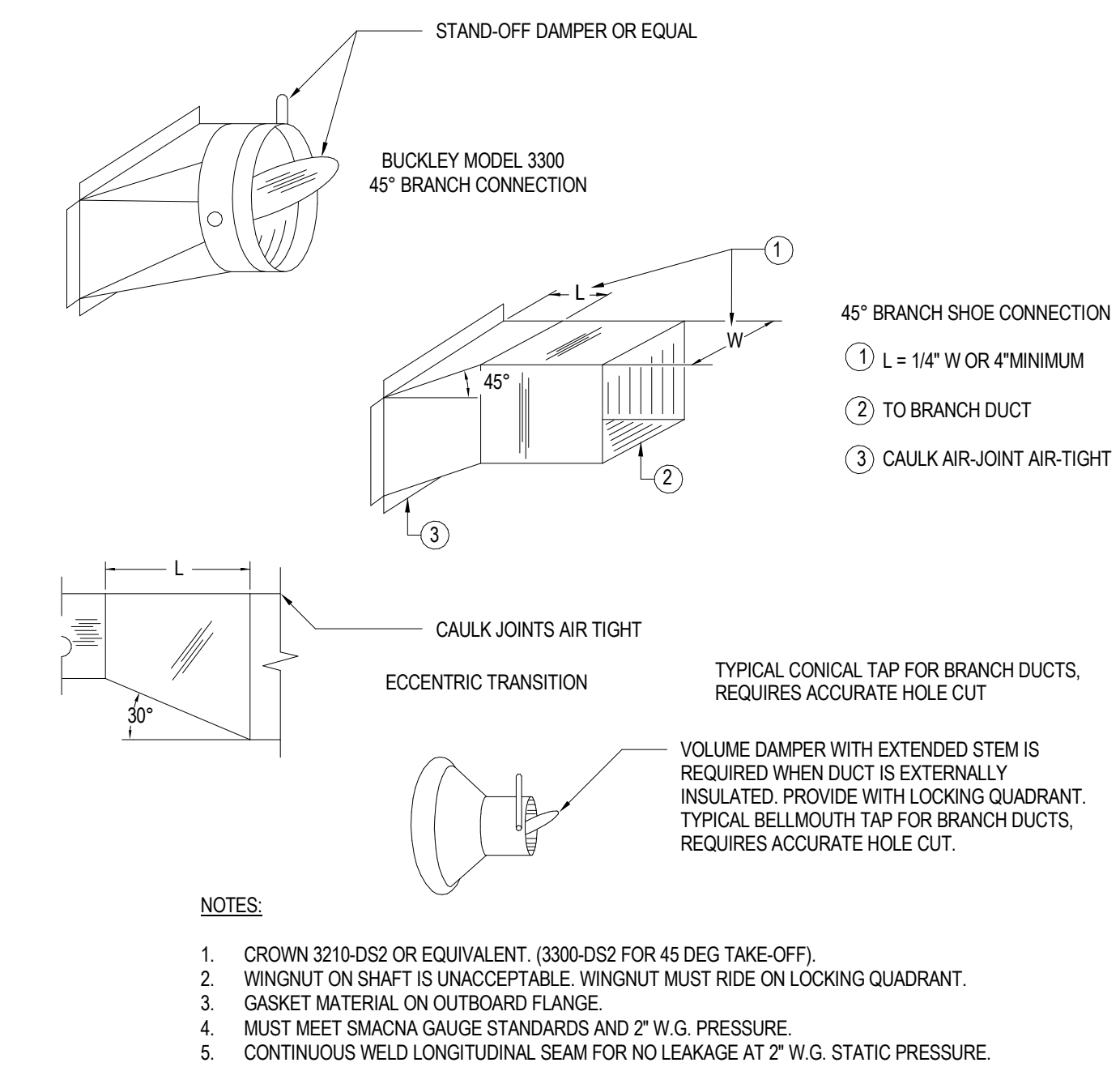
CONDENSATE DISCHARGE TERMINATION DETAIL

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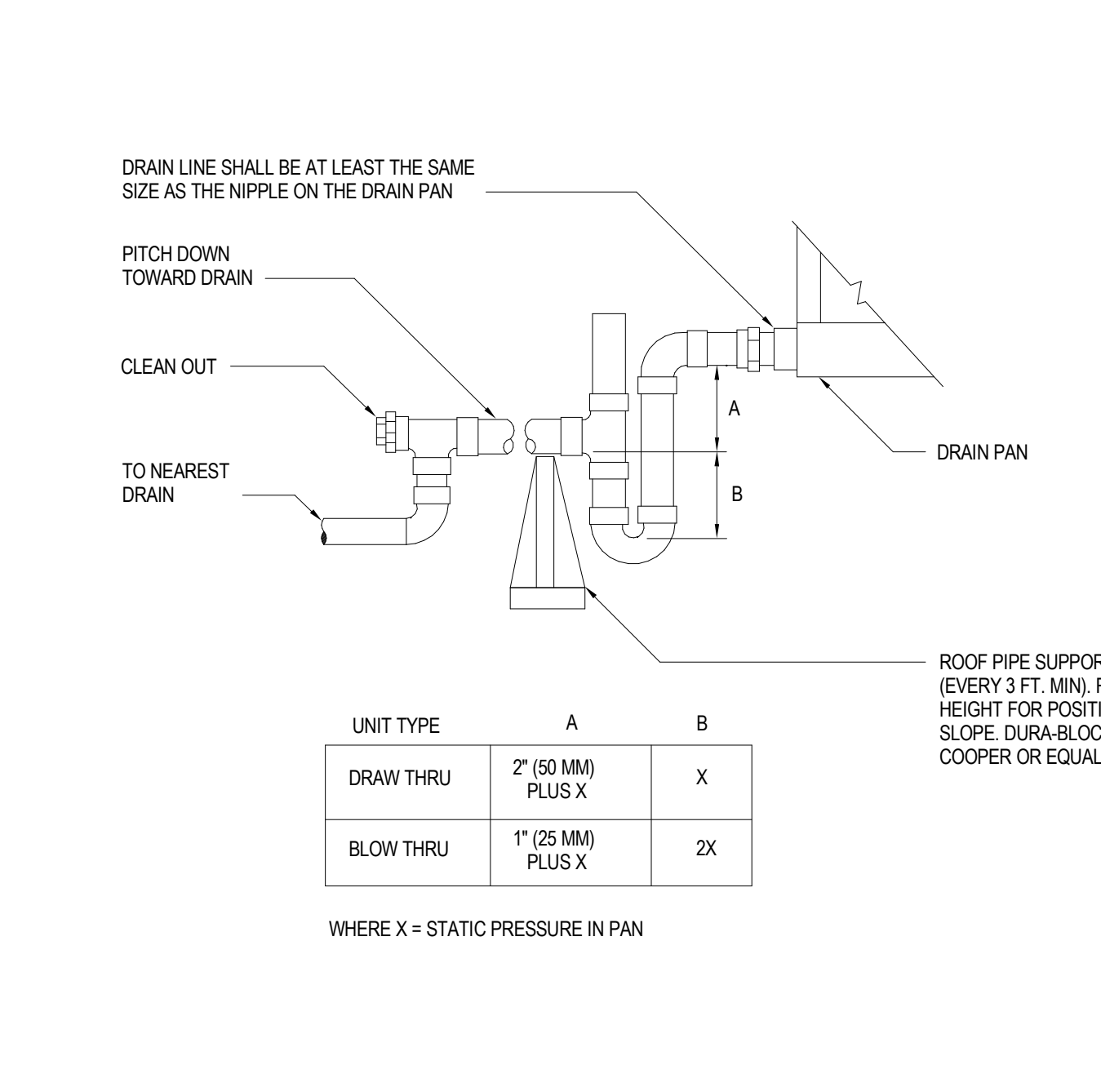
TYPICAL WALL CAP DETAIL

H



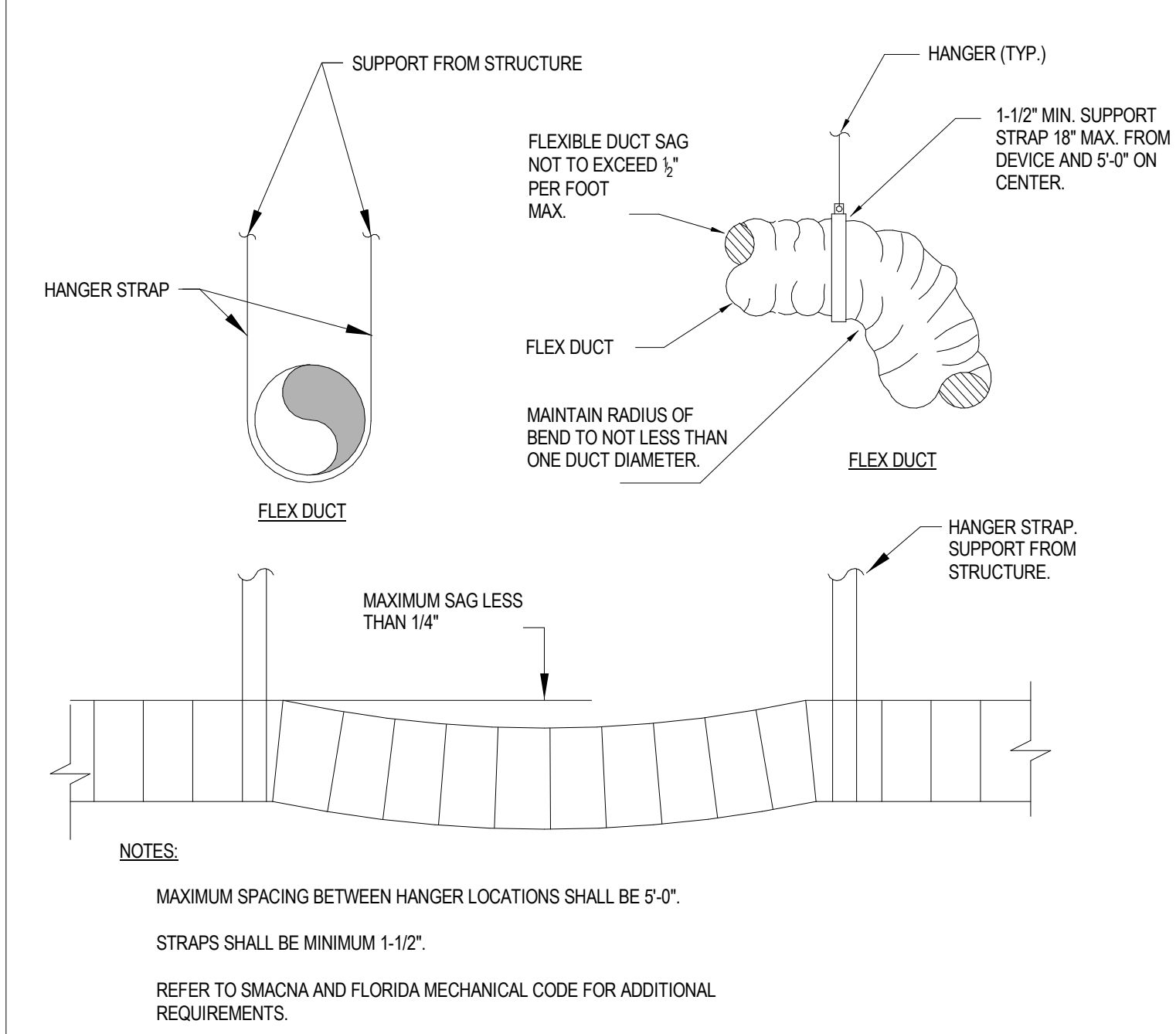
TAKEOFF FITTING DETAIL

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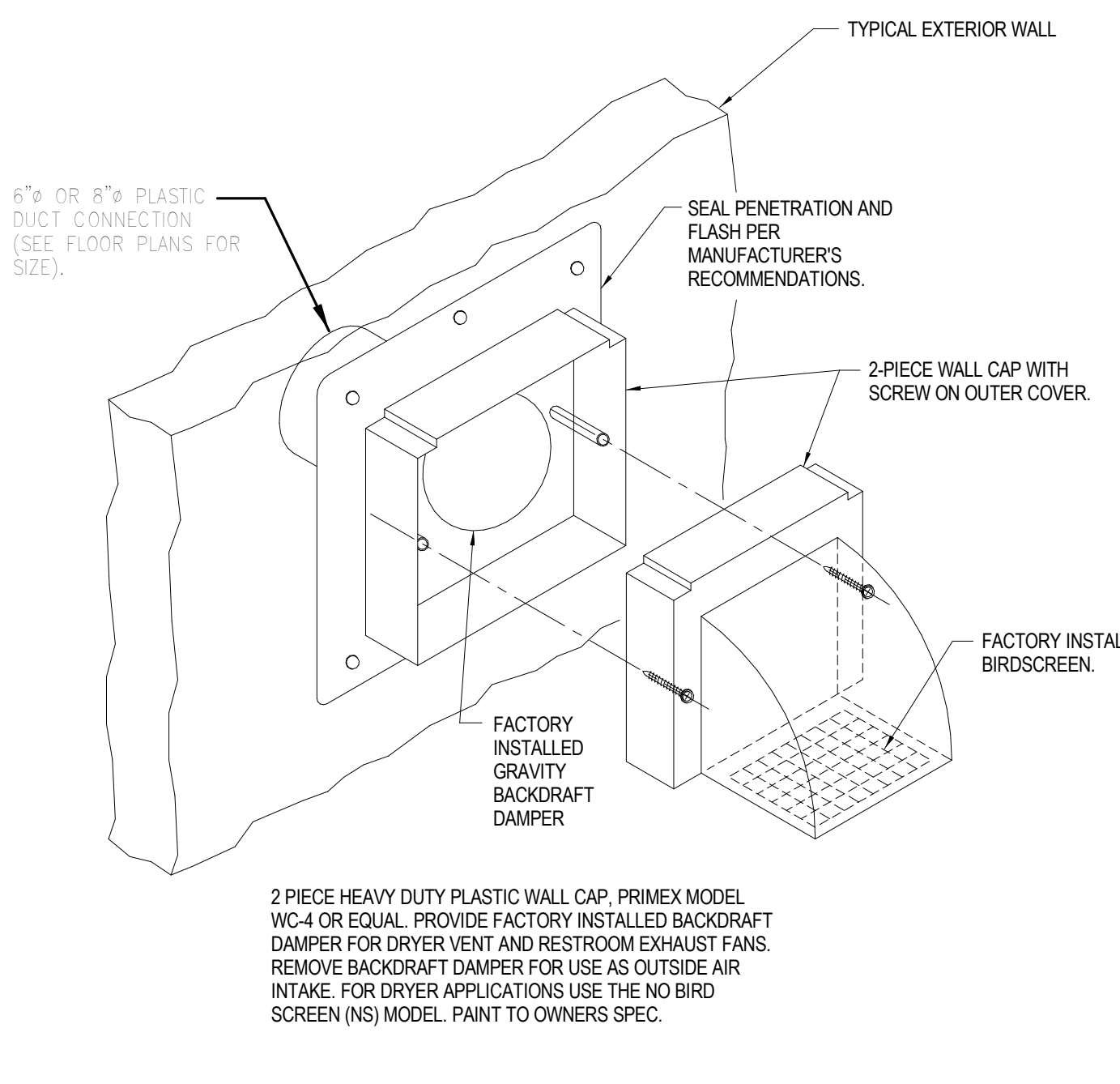
AIR HANDLING UNIT DRAIN TRAP DETAIL

B



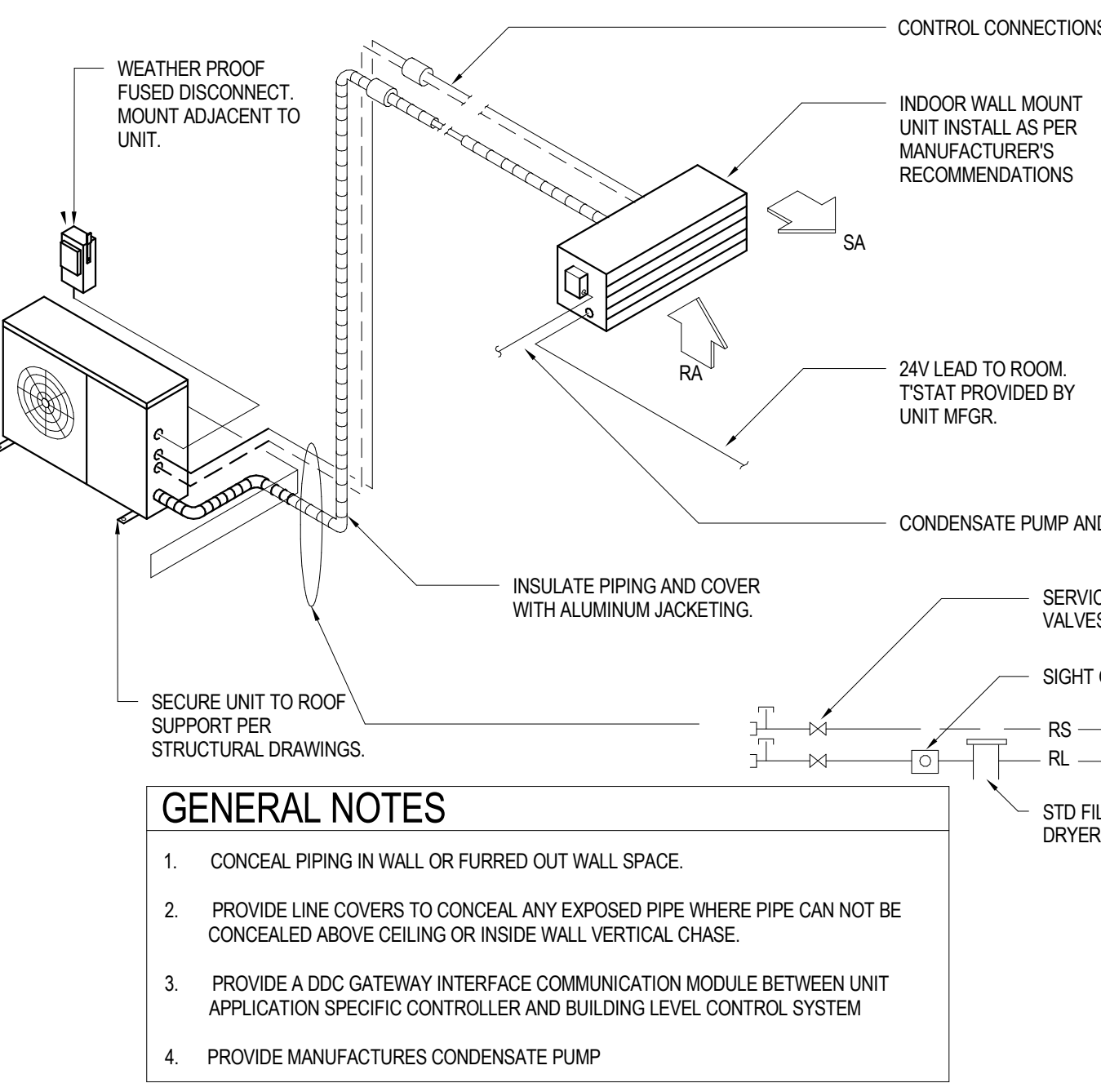
FLEX DUCT HANGAR DETAIL

G



TYPICAL WALL CAP DETAIL

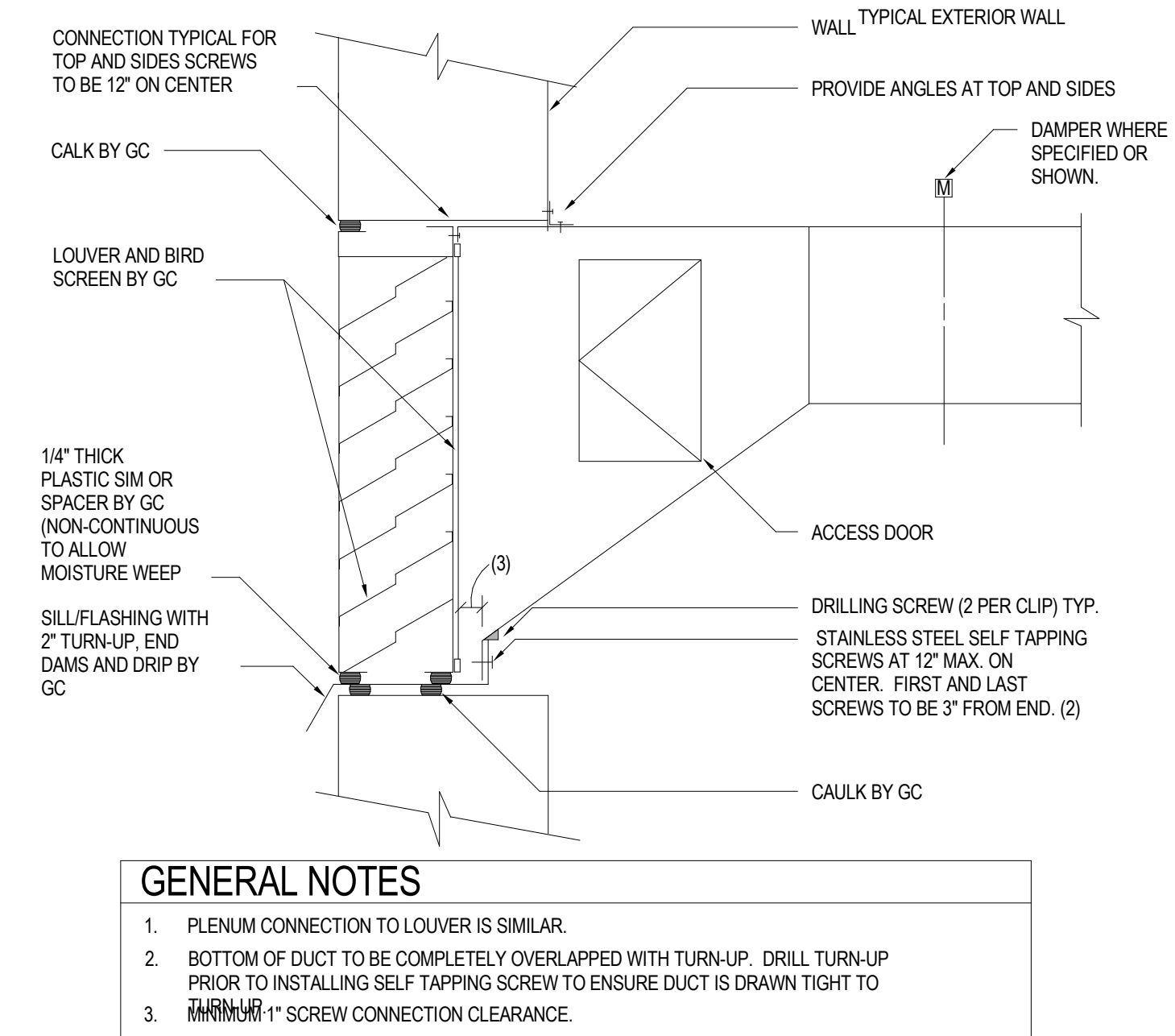
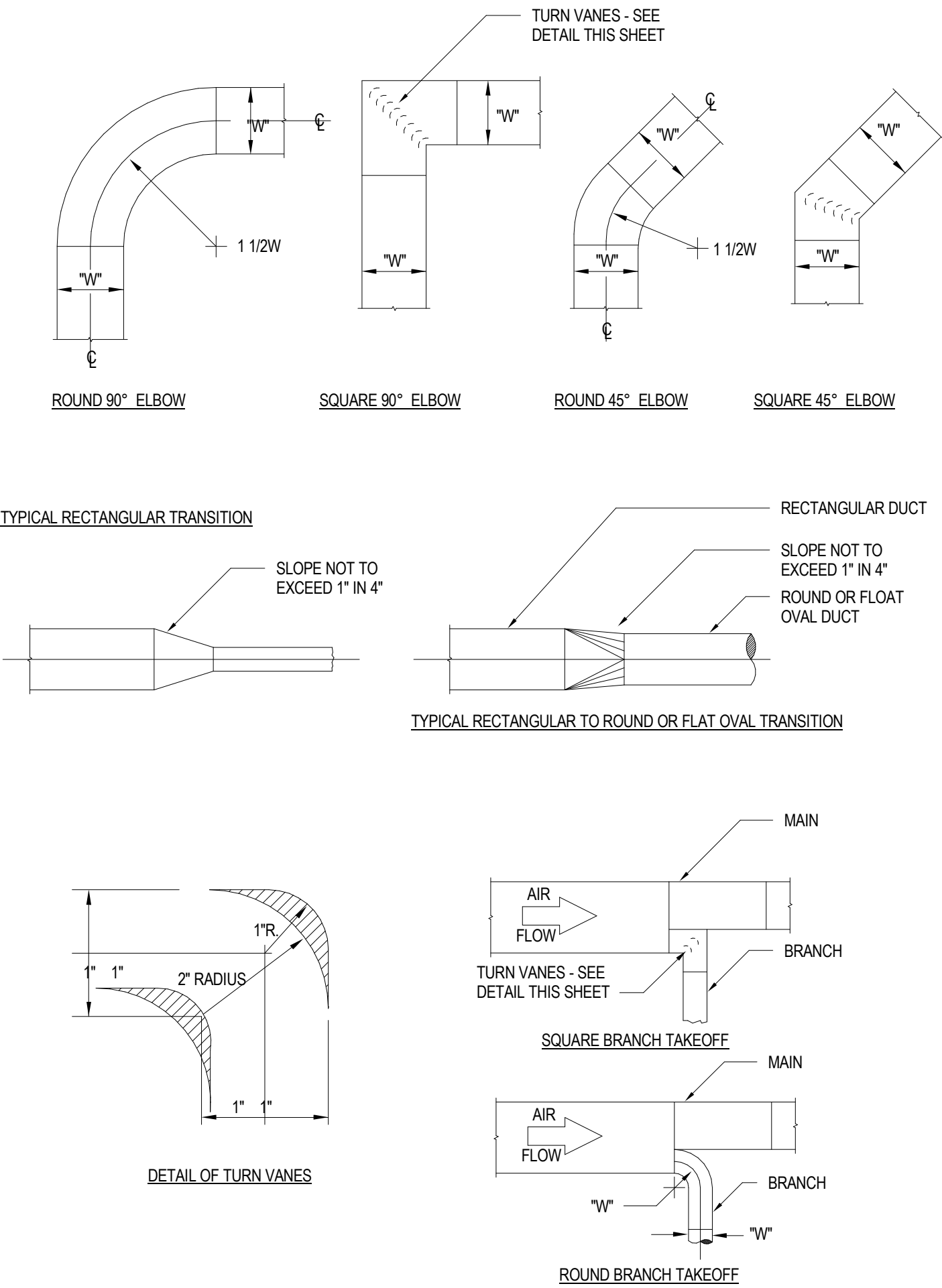
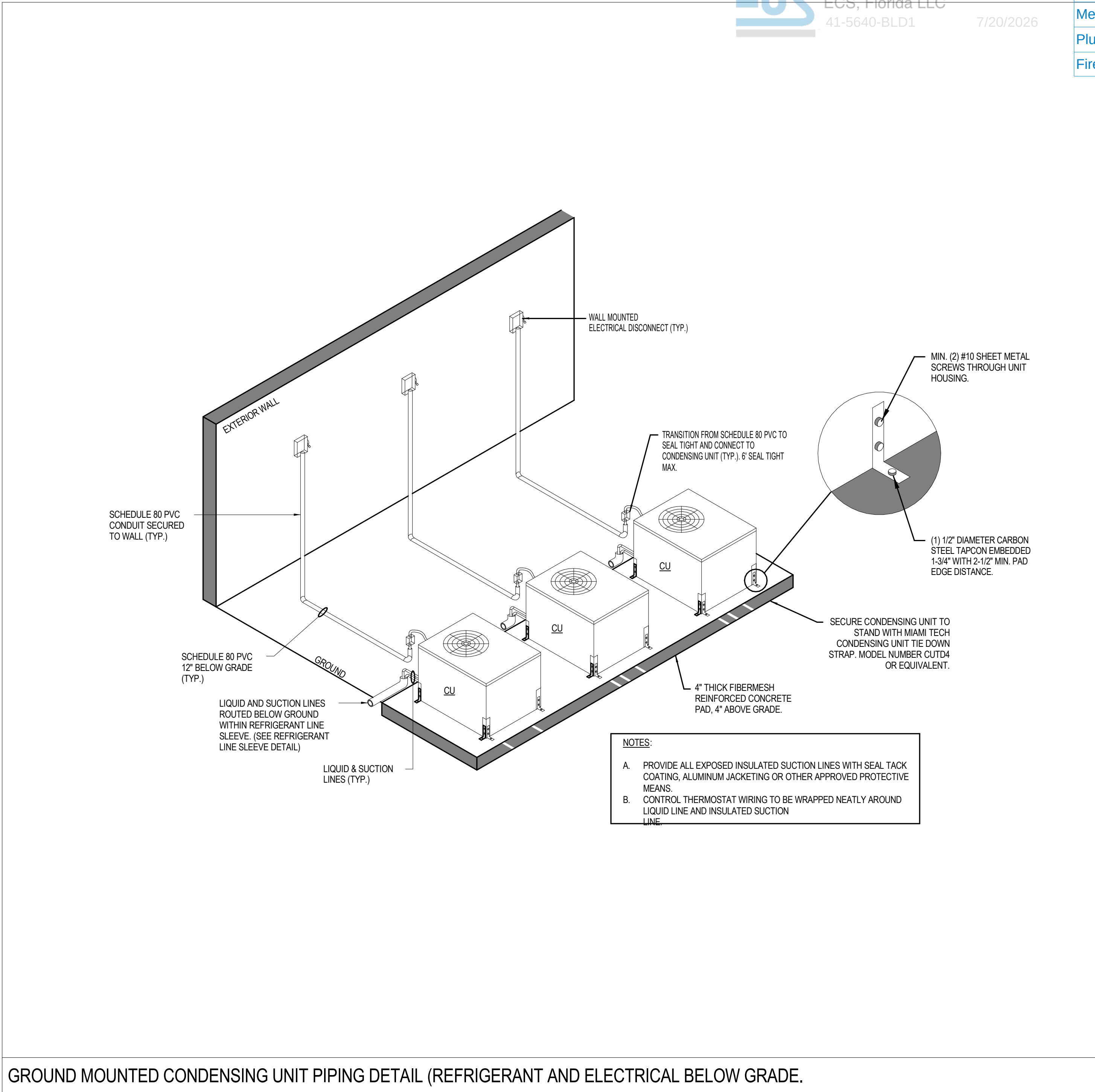
D



DUCTLESS AIR CONDITIONER UNIT DETAIL

A

no.	description	date
PERMIT SET		04.24.26



no.	description	date
	PERMIT SET	04.24.26

System No. F-C-8014

F Rating — 1 Hr

T Rating — 0 Hr

FC 8014

SECTION A-A

1. Floor — Ceiling Assembly — The 1 hr fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory, as summarized below:

A. Floor System — Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in individual Floor-Ceiling Design. Max diam of floor opening is 3 in.

B. Joists — Nom 10 in. deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required and with end firestopped.

C. Gypsum Board* — Nom 5/8 in. thick as specified in the individual Floor-Ceiling Design. Max diam of openings is 3 in.

2. Chase Wall — (Optional) - The through penetrant (Item 3) may be routed through a 1 hr fire-rated single, double or staggered wood stud/gypsum wallboard chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Nom 2 by 6 in. or double nom 2 by 4 in. lumber studs.

B. Sole Plate — Nom 2 by 6 in. or parallel 2 by 4 in. lumber plates, tightly butted.

C. Top Plate — The double top plate shall consist of two nom 2 by 6 in. or two sets of parallel 2 by 4 in. lumber plates, tightly butted. Max diam of openings is 3 in.

D. Gypsum Board* — Thickness, type, number of layers and fasteners shall be as specified in the individual Wall and Partition Design.

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Page: 1 of 2

System No. F-C-8014

F Rating — 1 Hr

T Rating — 0 Hr

FC 8014

3. Through-Penetrants — Pipes, conduits, tubing and cables to be bundled and centered in the opening. The space between penetrants and the periphery of the opening shall be min 1/4 in. to max 3/4 in. Penetrants to be rigidly supported on both sides of the floor-ceiling assembly.

A. Metallic Pipes — A max of two metallic pipes, conduits or tubing, (one 3/4 in. diam and one 1/2 in. diam) to be installed within the firestop system. The following types and sizes of metallic pipes, conduits or tubing may be used:

A1. Steel Pipe — Nom 3/4 in. diam (or smaller) Schedule 5 (or heavier) steel pipe.

A2. Conduit — Nom 3/4 in. diam (or smaller) steel electrical metallic tubing or steel conduit.

A3. Copper Tubing — Nom 3/4 in. diam (or smaller) Type L (or heavier) copper tubing.

A4. Copper Pipe — Nom 3/4 in. diam (or smaller) Regular (or heavier) copper pipe.

B. Nonmetallic Pipes — A max of one nonmetallic pipe to be installed within the firestop system. The following types and sizes of nonmetallic pipes may be used:

B1. Polyvinyl Chloride (PVC) Pipe — Nom 1/2 in. diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

B2. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 1/2 in. diam (or smaller) SDR17 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

C. Cables — A max of two 4/C No. 18 AWG (or smaller) thermostat cables with PVC insulation and PVC/nylon jacketing material.

D. Tube Insulation — Plastic+ — Nom 1/2 in. thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. Tube insulation to be installed on a max of one metallic pipe or tubing.

See Plastics+ (QMF22) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.

4. Fill, Void or Cavity Material* — Sealant — Min 3/4 in. (19 mm) thickness of fill material applied within the annulus, flush with top surface of floor or sole plate. Min 5/8 in. thickness of fill material applied within the annulus, flush with the bottom surface of the ceiling or lower top plate.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS — ONE Sealant

*Bearing the UL Classification Marking

+Bearing the UL Recognized Component Mark

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Page: 2 of 2

System No. F-C-7013

F Rating — 1 Hr

T Rating — 0 Hr

FC 7013

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 1 Hr	F Rating — 1 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Rating — 1 Hr
	FTH Rating — 0 Hr

SECTION A-A

1. Floor-Ceiling Assembly — The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction features of the floor-ceiling assembly are summarized below:

A. Flooring System — Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design. Max diam of opening shall be 5-1/4 in. (133 mm).

B. Wood Joist — Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required and with ends firestopped.

C. Gypsum Board* — Nom 4 ft (1.2 m) wide by 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design. Max diam of opening shall be 5-1/4 in. (133 mm).

1.1 Chase Wall — (Not shown, Optional) The through penetrants (Item 2) may be routed through a 1 hr fire-rated single, double or staggered wood stud/gypsum wallboard chase wall having a fire rating consistent with that of the floor-ceiling assembly. The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Nom 2 by 6 in. (51 by 152 mm) lumber or double nom 2 by 4 in. (51 by 102 mm) lumber studs.

B. Sole Plate — Nom 2 by 6 in. (51 by 152 mm) lumber or parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly butted. Max diam of opening shall be 5-1/4 in.

C. Top Plate — The double top plate shall consist of two nom 2 by 6 in. (51 by 152 mm) lumber plates or two sets of nom 2 by 4 in. (51 by 102 mm) lumber plates tightly butted. Max diam of opening is 5-1/4 in. (133 mm).

D. Gypsum Board* — Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.

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Page: 1 of 2

System No. F-C-7013

FC 7013

2. Steel Duct — Nom 4 in. (102 mm) diam (or smaller) No. 28 gauge (or heavier) steel duct to be installed either concentrically or eccentrically within the firestop system. The annular space between duct and periphery of opening shall be min of 1/4 in. (6 mm) to max 3/4 in. (19 mm). Steel duct to be rigidly supported on both sides of floor-ceiling assembly.

3. Fill, Void or Cavity Materials*Sealant — Min 3/4 in. (19 mm) thickness of sealant applied within the annular space, flush with top surface of floor or sole plate. Min 5/8 in. (16 mm) thickness of sealant applied within annular space, flush with bottom surface of gypsum board or lower top plate.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

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

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Page: 2 of 2

System No. W-L-7017

WL 7017

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 1 Hr	F Rating — 1 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Rating — 1 Hr
	FTH Rating — 0 Hr

SECTION A-A

1. Wall Assembly — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — One layer of nom 5/8 in. (16 mm) thick gypsum board, as specified in the individual Wall and Partition Design. Max diam of opening is 8-5/8 in. (219 mm).

2. Metallic Sleeve — Nom 8 in. (203 mm) diam (or smaller) Schedule 40 (or heavier) steel sleeve cast into wall assembly with joint compound and installed flush with wall surfaces.

3. Air Duct — Nom 6 in. (152 mm) diam (or smaller) prefabricated No. 28 MSG galv sheet metal duct. A min 1/2 in. (13 mm) to max 1-1/2 in. (38 mm) annular space is required within the firestop system. Duct to be rigidly supported on both sides of wall assembly.

4. Forming Material* — Foamed plastic forming material foamed into opening as a permanent form. Forming material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CF812 or CF-AS CJP Foam Sealant

5. Fill, Void or Cavity Material* — Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

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

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OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

no.	description	date
	PERMIT SET	04.24.26

M6.04

DETAILS - MECHANICAL

	System No. W-L-7042 1. Wall Assembly — The 1 or 2 hr fire rated wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features: A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced 24 in. (610 mm) OC. Additional framing members shall be used to completely frame the opening for all ducts greater than 20 in. (502 mm) diam. B. Gypsum Board — For 1 hr assembly, one layer of min 5/8 in. (16 mm) thick wallboard as required in the individual Wall and Partition Design. For 2 hr assembly, two layers of min 5/8 in. (16 mm) thick wallboard as required in the individual Wall and Partition Design. Max diam of opening is 14-1/2 in. (368 mm) for wood stud walls and 25-1/2 in. (648 mm) for steel stud walls. The hourly F and H Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed. 2. Through Penetrant — Galv steel duct to be installed concentrically or eccentrically within the firestop system. The annular space between the duct and periphery of opening shall be 0 in. (0 mm, point contact) and max 1-1/2 in. (38 mm) Duct to be rigidly supported on both sides of the wall assembly. A. Spiral Wound HVAC Duct — Nom 24 in. (610 mm) diam (or smaller) No. 28 MSG (or heavier) galv steel spiral wound duct. B. Sheet Metal Duct — Nom 12 in. (305 mm) diam (or smaller) No. 28 MSG (or heavier) galv sheet steel duct. 3. Fill, Void or Cavity Material — Sealant — Min 5/8 in. (16 mm) and 1-1/4 in. (32 mm) thickness of H material applied within annulus, flush with both surfaces of wall assembly for 1 and 2 hr F Ratings, respectively. When FS-ONE Max is used, min 5/8 in. (16mm) thickness for both 1 and 2 hr F Ratings. At the point contact location between duct and wallboard, a min 1/2 in. (13 mm) diam bead of sealant shall be applied at the wallboard/duct interface on both surfaces of wall assembly. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP601S Elastomeric Firestop Sealant, FS-ONE Sealant, FS-ONE MAX Intumescent Sealant or CP608 Flexible Firestop Sealant * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.	W-L-7042
 HilTI Firestop Systems	Reproduced by HILTI, Inc. Courtesy of Undertwriters Laboratories, Inc. October 12, 2017	Page 2 of 2

	System No. W-L-7153 2. Steel Duct — Galv steel duct to be installed concentrically or eccentrically within the firestop system. Duct to be rigidly supported on both sides of wall assembly. A. Spiral Wound HVAC Duct — Nom 20 in. (508 mm) diam (or smaller) No. 24 MSG (or heavier) galv steel spiral wound duct. B. Sheet Metal Duct — Nom 12 in. (305 mm) diam (or smaller) No. 28 MSG (or heavier) galv steel sheet duct. 3. Duct Insulation* — Nom 1-1/2 in. or 2 in. (38 or 51 mm) thick glass fiber batt or blanket (min 3/4 pcf or 56 kg/m³) jacketed on the outside with a foil-scrim-kraft facing. Longitudinal and transverse joints sealed with aluminum foil tape. During the installation of the fill material, the batt or blanket shall be compressed 50% such that the annular space within the firestop system shall be min 1/4 in. (6 mm) to max 1-1/2 in. (38 mm). See Batts and Blankets — (BKNV) category in the Building Materials Directory for names of manufacturers. Any batt or blanket meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index 50 or less may be used. 4. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall. If voids develop after the fill materials cure, the voids shall be sealed with additional fill material. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively. Hilti Firestop Systems Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. November 15, 2017 Page: 2 of 2
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to UL 1479 and CANULC-S115

System No. W-L-5740

W-L-5740

ANSI/UL1479 (ASTM E814)	CANULC S115
F Ratings - 1 and 2 Hr (See Items 1 and 3)	F Ratings - 1 and 2 Hr (See Items 1 and 3)
T Rating - 0 Hr	FT Rating - 0 Hr
L Rating at Ambient - Less Than 1 CFM/sq ft	FH Ratings - 1 and 2 Hr (See Items 1 and 3)
L Rating at 400°F - Less Than 1 CFM/sq ft	FTH Rating - 0 Hr
	L Rating at Ambient - Less Than 1 CFM/sq ft
	L Rating at 400°F - Less Than 1 CFM/sq ft

SECTION A-A

- Wall Assembly — The fire-rated gypsum wallboard/stud wall assembly must be constructed of the materials and in the manner specified in the individual U300, U400, V400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory and shall include the following construction features:
 - Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (61 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm). Additional framing members shall be used to completely frame around opening.
 - Gypsum Board* — Nom 5/8 in. (16 mm) thick with square or tapered edges. The gypsum wallboard type, number of layers and sheet orientation shall be as specified in the individual Wall and Partition Design Number. Max area of opening is 1300 in.² (0.84 m²) with the dimension of 50 in. (1.27 m).

The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

- Steel Duct — Nom 24 in. by 48 in. (610 by 1219 mm) (or smaller) No. 24 gauge (or heavier) galv steel duct to be installed within the firestop system. The annular space shall be min 0 (point contact) in. to a max 2 in. (51 mm) Duct to be rigidly supported on both sides of the wall assembly.

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Hilti Firestop Systems

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WL 7040

System No. W-L-7040

3. Firestop System — The firestop system shall consist of the following:

A. Fill, Void or Cavity Material — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus flush with both surfaces of wall.
At point contact location, a min 1/2 in. (13 mm) diam bead of fill material shall be applied to the wall/duct interface on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant, FS-ONE MAX Innumescent Sealant, CP601S Elastomeric Firestop Sealant or CP606 Flexible Sealant

B. Steel Retaining Angle — No. 18 MSG (0.048 in.) galv steel angles cut to fit contour of duct with a 2 in. overlap on the duct and a min 1 in. overlap on the gypsum board assembly on both sides of wall. 2 in. leg of angle secured to duct with min No. 6 by 3/4 in. long sheet metal screws, spaced a max of 6 in. OC. When bead of fill material is used at joint contact locations, angles shall be installed prior to full material curing.

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



HilTI Firestop Systems

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M6.05
DETAILS -
MECHANICAL

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to UL 1479 and CANULC-S115

System No. W-L-7059

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Item 1)	F Ratings - 1 and 2 Hr (See Item 1)
T Rating - 1/2 and 3/4 Hr (See Item 1)	FT Rating - 1/2 and 3/4 Hr(See Item 1)
	FH Ratings - 1 and 2 Hr (See Item 1)
	FTH Rating - 1/2 and 3/4 Hr (See Item 1)

SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, U400 or W400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing shall consist of channel studs. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. The opening in the wall to accommodate the steel duct (Item 2) shall be framed on all sides using lengths of studs installed between the vertical studs and attached to the studs at each end. The framed opening in the wall shall be a nom 6 in. (152 mm) wide and 12 in. (305 mm) higher than the width and height of the steel duct.

B. Wallboard, Gypsum — 5/8 in. (16 mm) thick, 4 ft (1,22 mm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400, V400 or W400 Series Design in the UL Fire Resistance Directory, Max area of opening is 395 sq. in. (0,25 m2)with max dimensions of 26-3/4 in. (679 mm) for steel studs. The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed. The hourly T, FT and FTH Ratings are 1/2 hr and 3/4 hr for 1 and 2 hr rated assemblies, respectively

Hilti Firestop Systems

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System No. W-L-7059

2. Steel Duct — Nom 24 in. by 12 in. (610 by 305 mm) (or smaller) No. 24 gauge (or heavier) steel duct to be installed eccentrically within the framed opening. The annular space shall be min 1 in. (25 mm) to max 1-3/4 in. (45 mm) Steel duct to be rigidly supported on both sides of wall assembly.

3. Batts and Blankets* — Max 1-1/2 in. (38 mm) thick glass fiber batt or blanket (min 3/4 pcf or 12 kg/m3) jacketed on the outside with a foil-scrim-kraft facing. Longitudinal and transverse joints sealed with aluminum foil tape. During the installation of the material, the batt or blanket shall be compressed 50% such that the annular space within the firestop system shall be min 1/4 in. (6 mm) to max 1 in. (25 mm). See Batts and Blankets - (BKNV) category in the Building Materials Directory for names of manufacturers. Any batt or blanket meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index 50 or less may be used.

4. Void or Cavity Material* - Sealant — Min 5/8 in. or 1-1/4 in. (16 or 32 mm) thickness of material applied within annulus, flush with both surfaces of wall for 1 or 2 hr walls, respectively. If voids develop after the material cures, the voids shall be sealed with additional material.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

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

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System No. W-L-7151

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Item 1)	F Ratings - 1 and 2 Hr (See Item 1)
T Rating - 0, 1, and 2 Hr (See Item 4C)	FT Rating - 0, 1, and 2 Hr (See Item 4C)
	FH Ratings - 1 and 2 Hr (See Item 1)
	FTH Ratings - 0, 1, and 2 Hr (See Item 4C)

SECTION A-A

1. Wall Assembly — The fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm). Additional framing members shall be used to completely frame around opening.

B. Gypsum Board* — Nom 5/8 in. (16 mm) thick with square or tapered edges. The gypsum wallboard type, number of layers and sheet orientation shall be as specified in the individual Wall and Partition Design Number. Max area of opening is 210 sq. in. (1355 cm2) with a max width of 14-1/2 in. (368 mm) for wood studs. Max area of opening is 2457 in2 (1,58 m2) with the max length or width dimension of 63 in. (1600 mm) for steel studs. The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

2. Steel Duct — Nom 36 in. by 60 in. (914 mm by 1524 mm or smaller) galv steel duct to be installed within the firestop system. The duct shall be constructed and reinforced in accordance with SMACNA construction standards. Duct to be rigidly supported on both sides of the wall assembly.

3. Batts and Blankets* — Max 2 in. (51 mm) thick min 3/4 pcf (12 kg/m3) glass fiber batt or blanket jacketed on the outside with a foil-scrim-kraft facing. Longitudinal and transverse joints sealed with aluminum foil tape. During the installation of the fill material, the batt or blanket shall be compressed minimum 50% such that the annular space within the firestop system shall be min 1/4 in. (6 mm) to a max 3-1/2 in. (89mm); refer to the table below.

See Batts and Blankets - (BKNV) category in the Building Materials Directory for names of manufacturers. Any batt or blanket meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index 50 or less may be used.

Hilti Firestop Systems

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System No. W-L-7151

4. Firestop System — The firestop system shall consist of the following:

A. Packing Material — Min 3-1/2 in. (89 mm) thickness of min 4.0 pcf (64 kg/m3) mineral wool batt insulation firmly packed into the opening as a permanent form. Packing material to be recessed from both sides of the wall to accommodate the required thickness of fill material.

B. Fill, Void or Cavity Material—Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus flush with both surfaces of the wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant

C. Steel Retaining Angle — No. 18 MSG (or heavier) galv steel angles. When duct dimension exceeds 48 in. (1219 mm), angles shall be No. 18 MSG (or heavier). Angles cut to fit contour of duct with a 2 in. (51 mm) overlap on the duct and a min 1 in. (25 mm) overlap on the gypsum board assembly on both surfaces of wall. 2 in. (51 mm) leg of angle secured to duct with min No. 8 by 3/4 in. (19 mm) long sheet metal screws, spaced a max of 6 in. (152 mm) OC. Angles are optional for ducts 30 in. (762 mm) by 24 in. (610 mm) and smaller. In addition, see table below for additional conditions and options regarding retaining angles.

Max Duct Dimension	Duct Thickness	Max Insulation Thickness (Item 3)	Annular Space	Packing Material (Item 4A) Required	Angle (Item 4C) Required	T-Rating Hr
**24 in. (610 mm)	24 ga or heavier	1-1/2 in. (38 mm)	1/4 in. min to 1 in. max (6 to 25 mm)	No	No	0
25 in. (635 mm) wide by 45 in. (1143 mm) high	24 ga or heavier	2 in. (51 mm)	1/4 in. min to 3-1/2 in. max (6 to 89 mm)	Yes	No	1 and 2 (Same as wall rating)

** Indicates that when max 1-1/2 in. (38 mm) thick insulation is used, steel angles are optional for those sides of the duct that do not exceed the dimension specified.

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

Hilti Firestop Systems

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August 22, 2018

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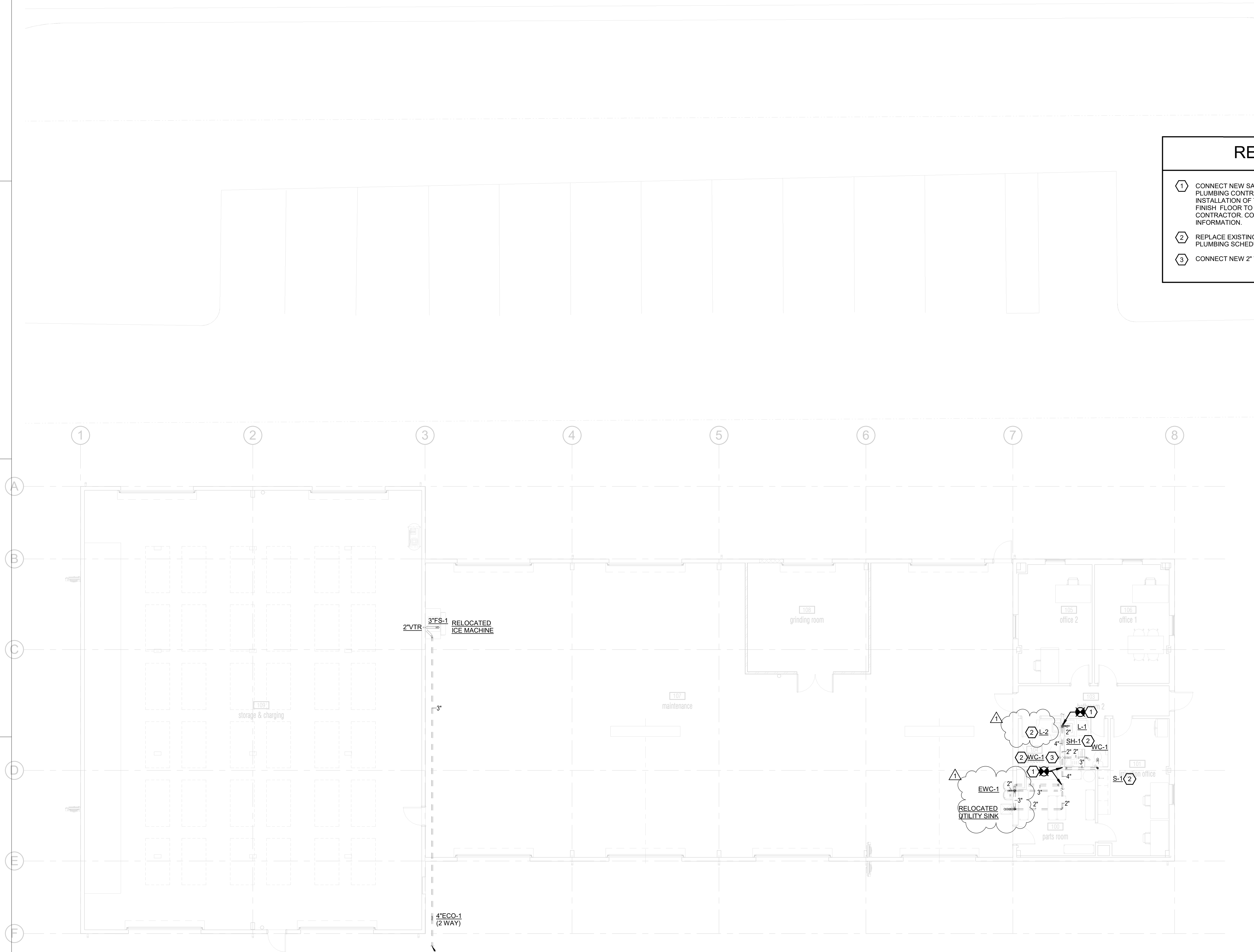
OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

no.	description	date
	PERMIT SET	04.24.26

M6.06

DETAILS -
MECHANICAL



REFERENCE NOTES:

1

CONNECT NEW SANITARY PIPING TO EXISTING SANITARY MAIN BELOW GRADE. PLUMBING CONTRACTOR SHALL SAW-OUT SLAB AS REQUIRED TO FACILITATE THE INSTALLATION OF THE NEW UNDERGROUND SANITARY SERVICE. BACKFILL AND FINISH FLOOR TO MATCH NEW FINISHED FLOOR. COORDINATE WITH GENERAL CONTRACTOR. COORDINATE WITH ARCHITECTURAL FLOOR PLAN FOR ADDITIONAL INFORMATION.

2

REPLACE EXISTING PLUMBING FIXTURES WITH NEW FIXTURES, ONE FOR ONE. SEE PLUMBING SCHEDULE.

3

CONNECT NEW 2\"/>

1

MAINTENANCE BUILDING FLOOR PLAN - SANITARY SEWER - FLOOR PLAN - PLUMBING

1/8" = 1'-0"

OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

no.	description	date
	PERMIT SET	04.24.26
1	PERMIT COMMENTS	06.19.26

P1.01.0

BUILDING 1 -
SANITARY SEWER -
FLOOR PLAN -
PLUMBING

sheet size 24" x 36"

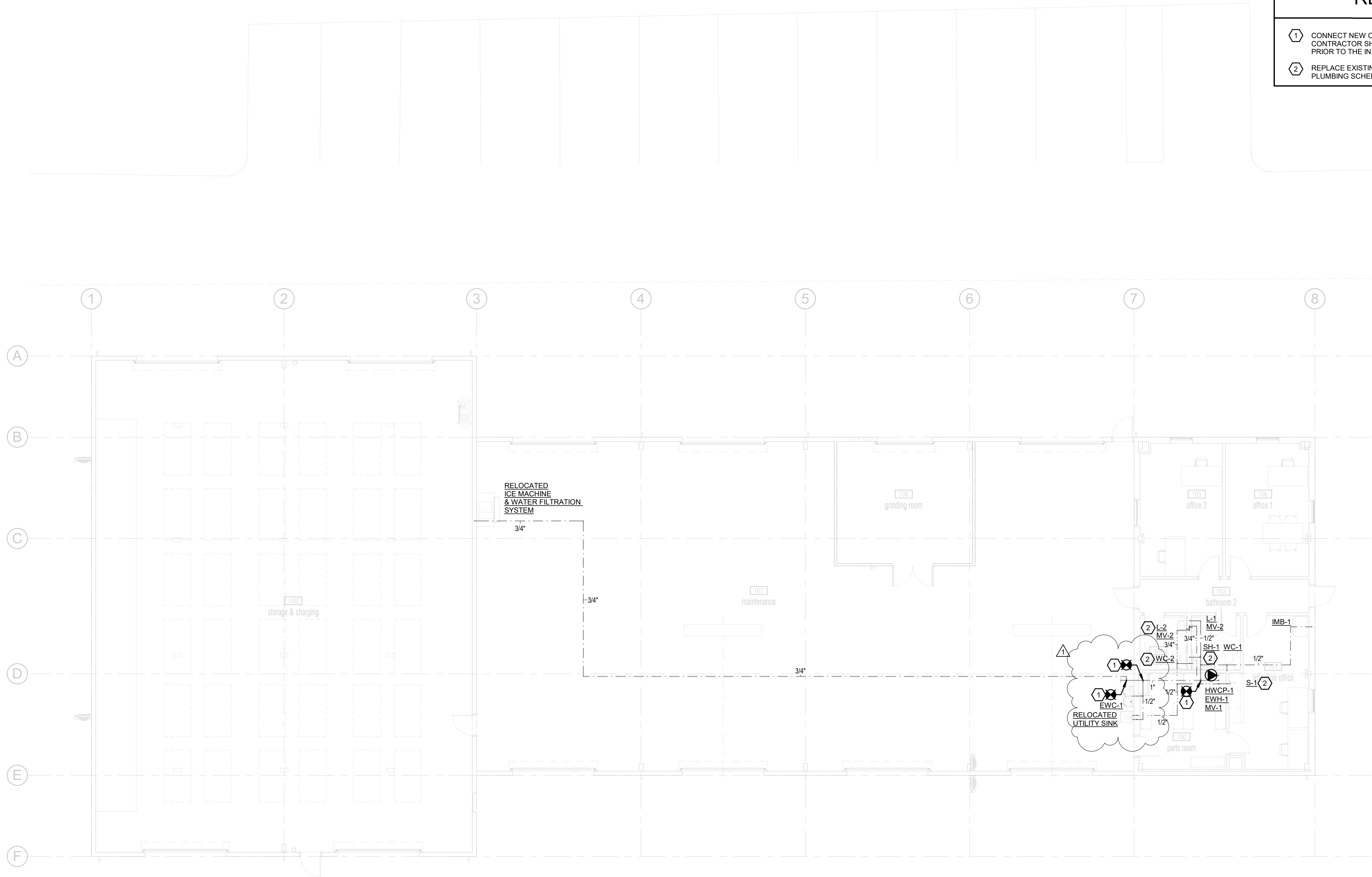
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Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

REFERENCE NOTES:

- 1

CONNECT NEW CW TO EXISTING CW SERVICE ABOVE CEILING. PLUMBING CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF EXISTING WATER SERVICE PRIOR TO THE INITIATION OF ANY WORK.
- 2

REPLACE EXISTING PLUMBING FIXTURES WITH NEW FIXTURES, ONE FOR ONE. SEE PLUMBING SCHEDULE.



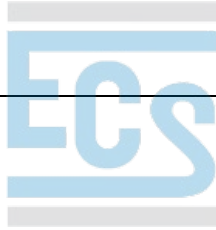
1 MAINTENANCE BUILDING FLOOR PLAN - DOMESTIC WATER - FLOOR PLAN -PLUMBING
1/8" = 1'-0"

OLD MEMORIAL

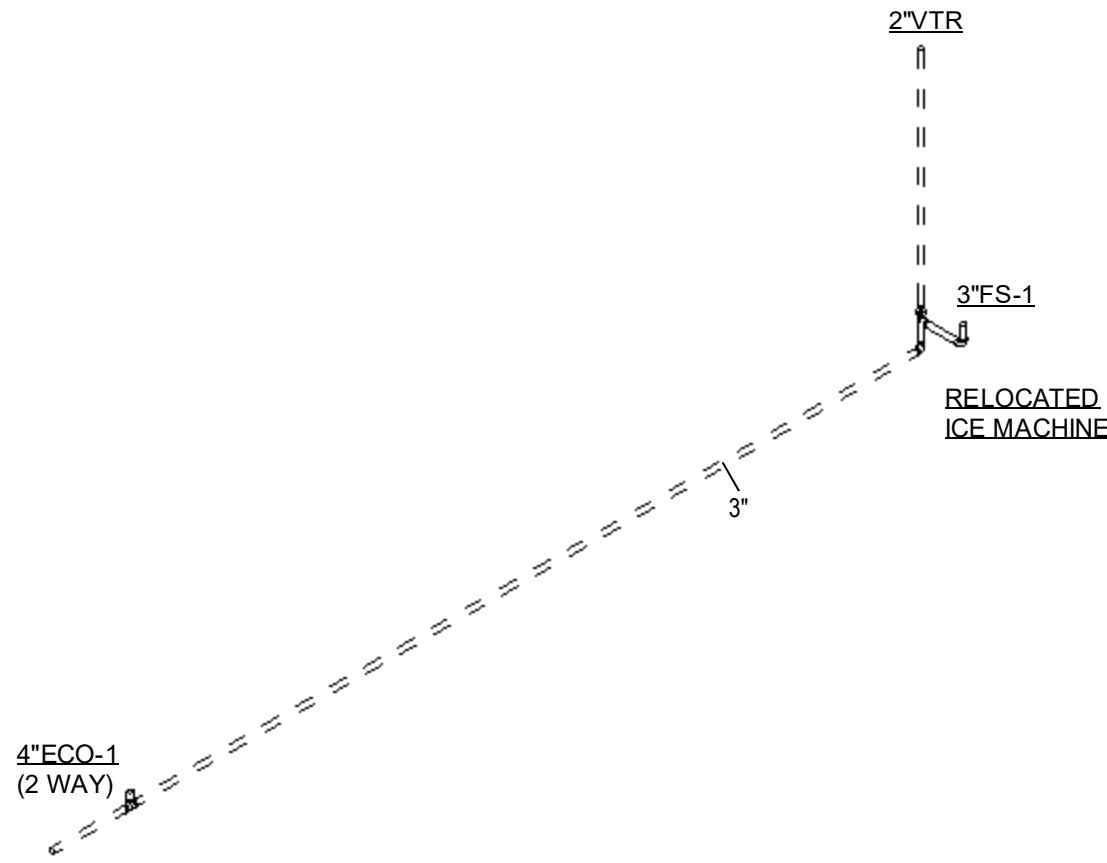
13600 National Golf Dr
Tampa, FL 33626

no.	description	date
1	PERMIT SET	04.24.26
1	PERMIT COMMENTS	06.19.26

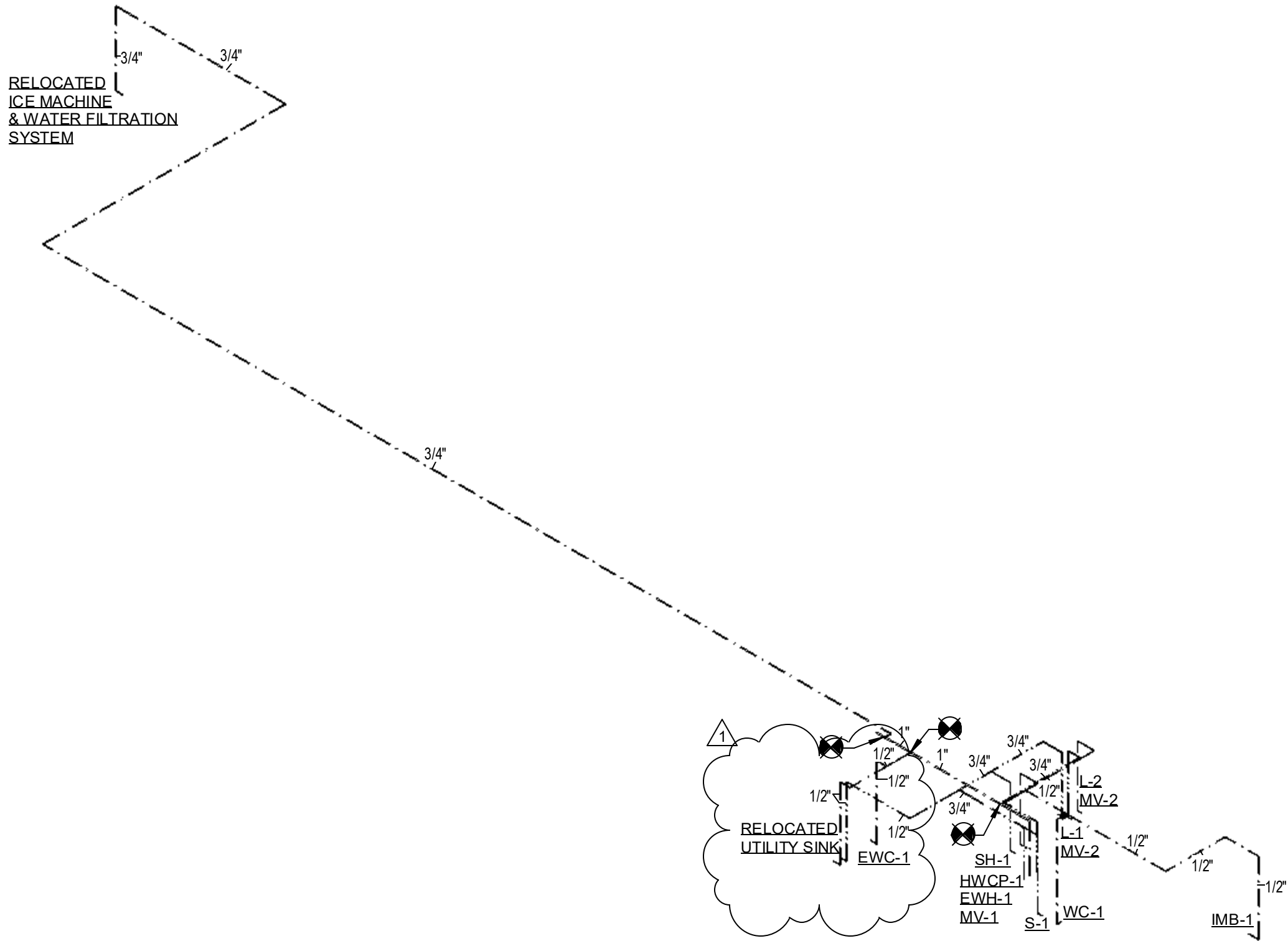
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DOMESTIC WATER -
FLOOR PLAN -
PLUMBING



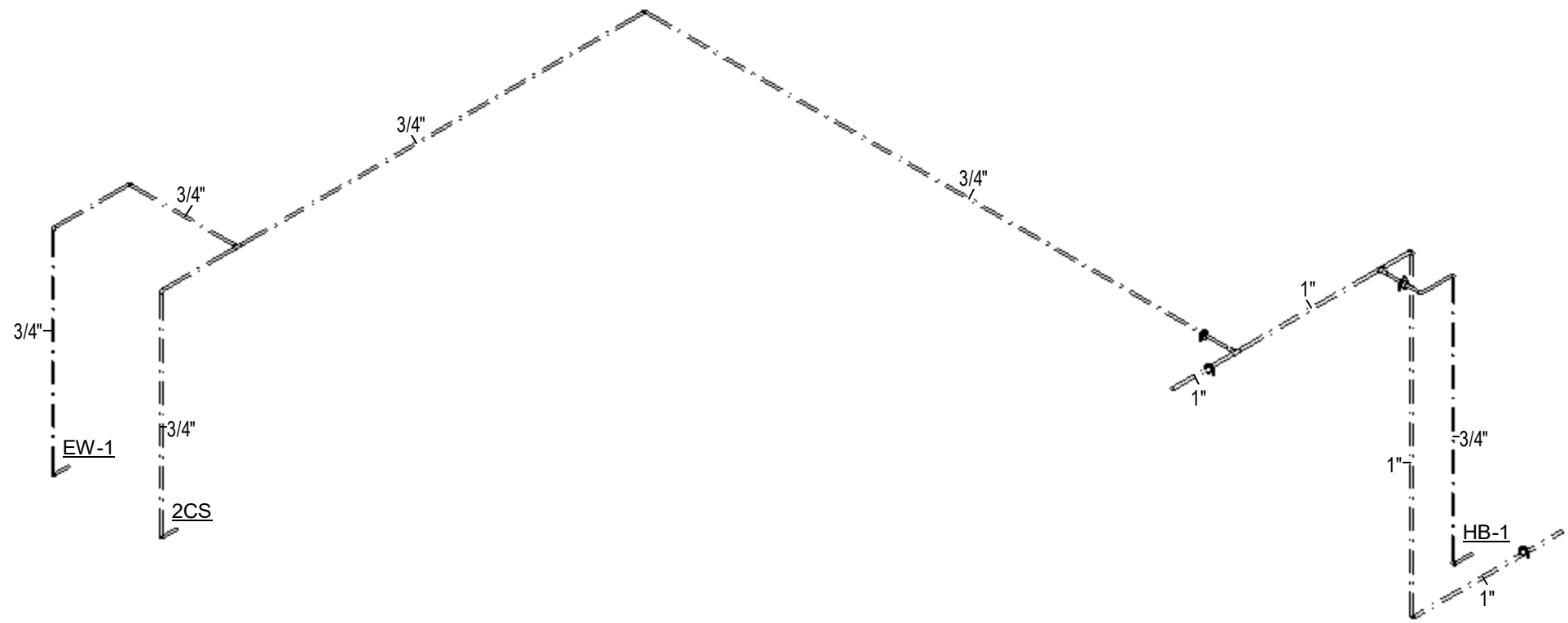
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Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026



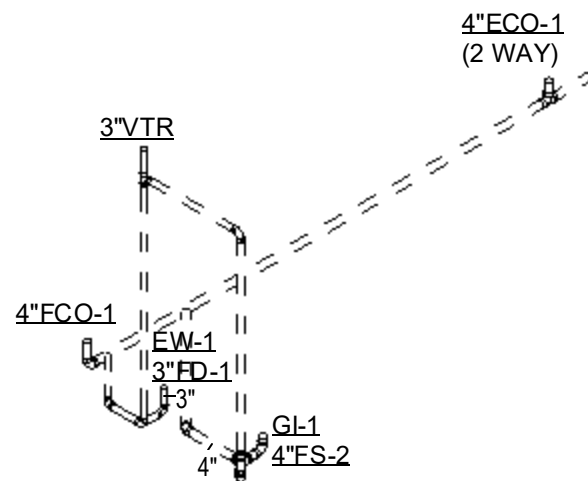
1 SANITARY RISER DIAGRAM - MAINTENANCE BUILDING



2 DOMESTIC WATER RISER DIAGRAM - MAINTENANCE BUILDING



3 DOMESTIC WATER RISER DIAGRAM - CHEM STORAGE

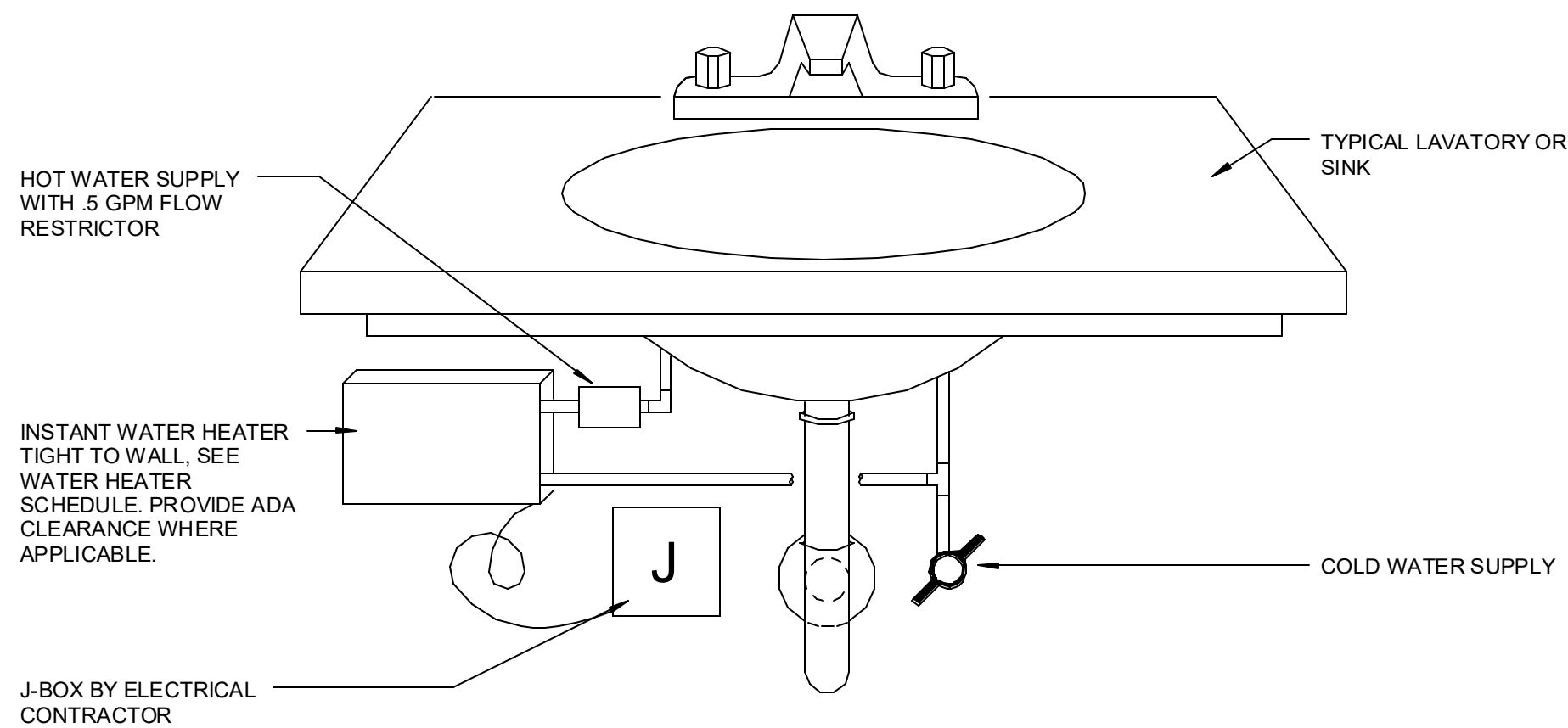


4 SANITARY RISER DIAGRAM - CHEM STORAGE

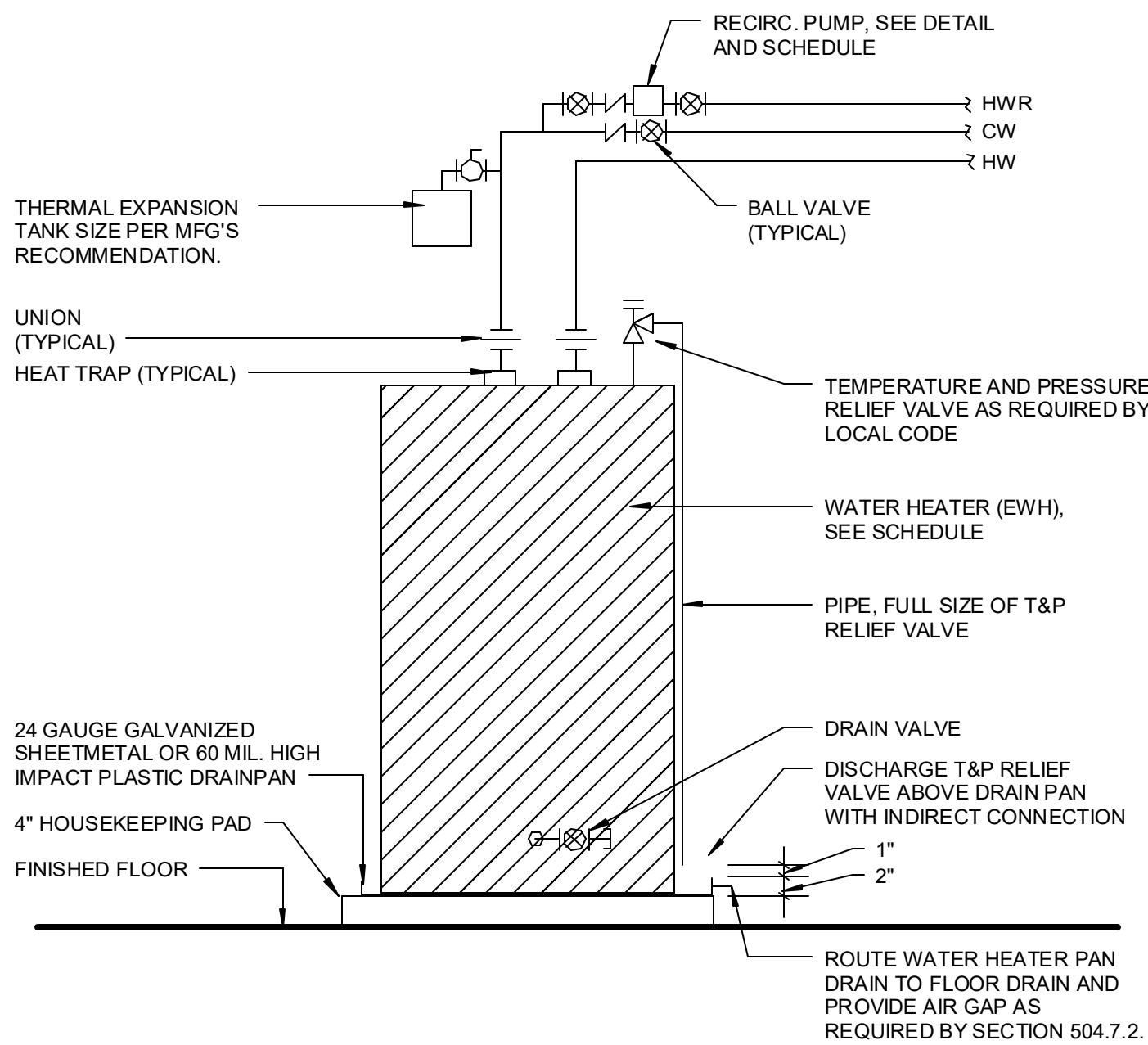
OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

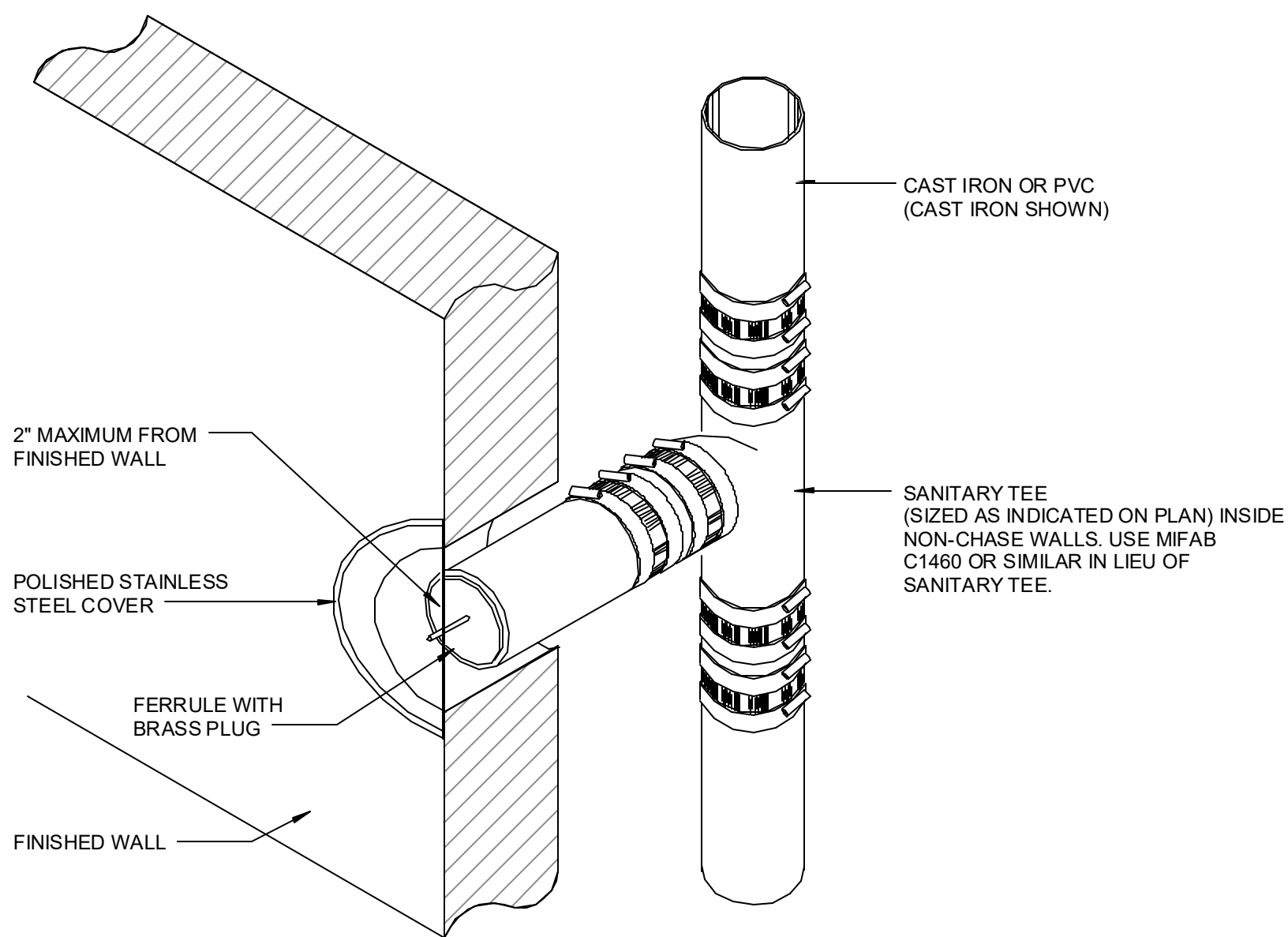
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1	PERMIT SET	04.24.26
1	PERMIT COMMENTS	06.19.26



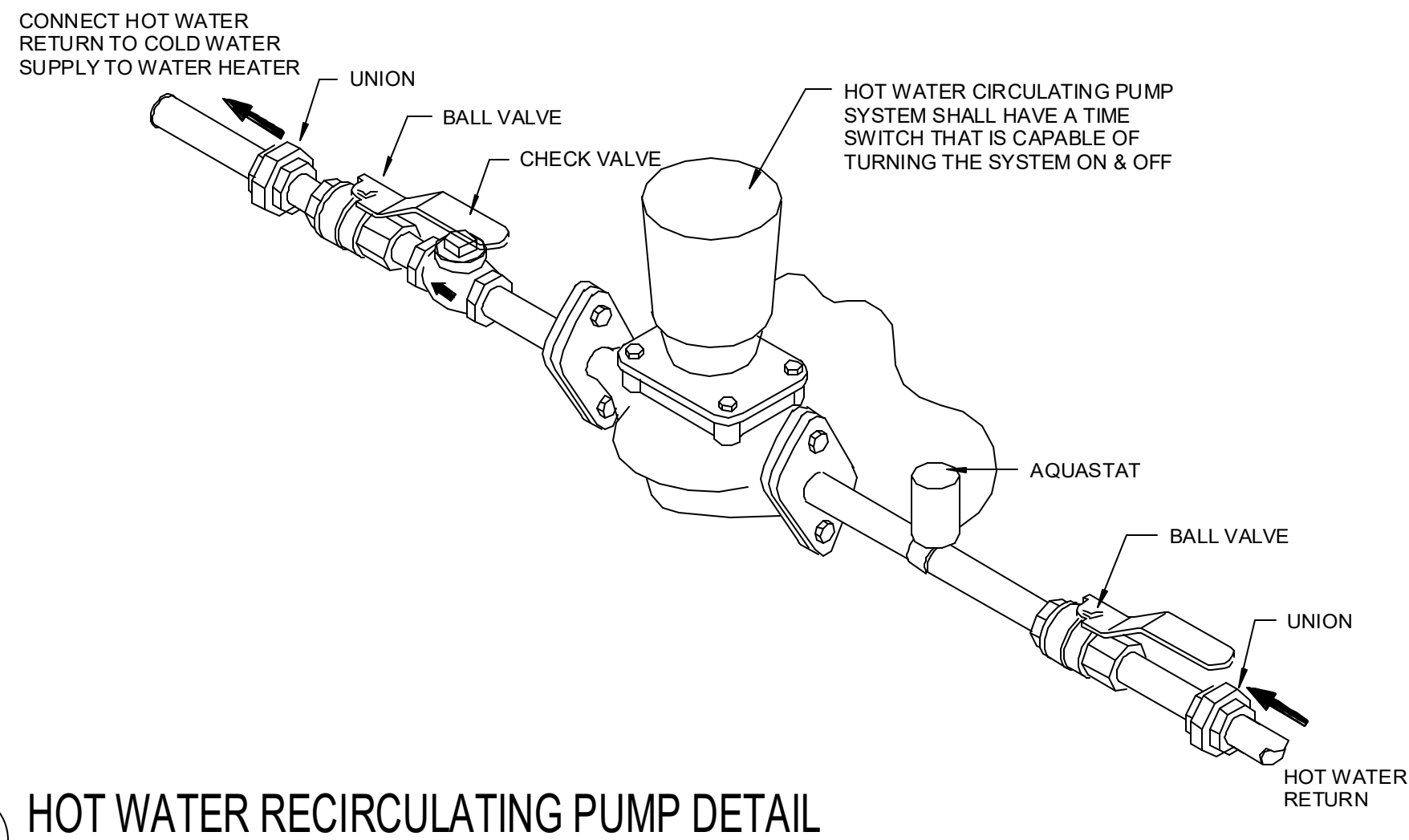
6 INSTANTANEOUS WATER HEATER DETAIL
12" = 1'-0"



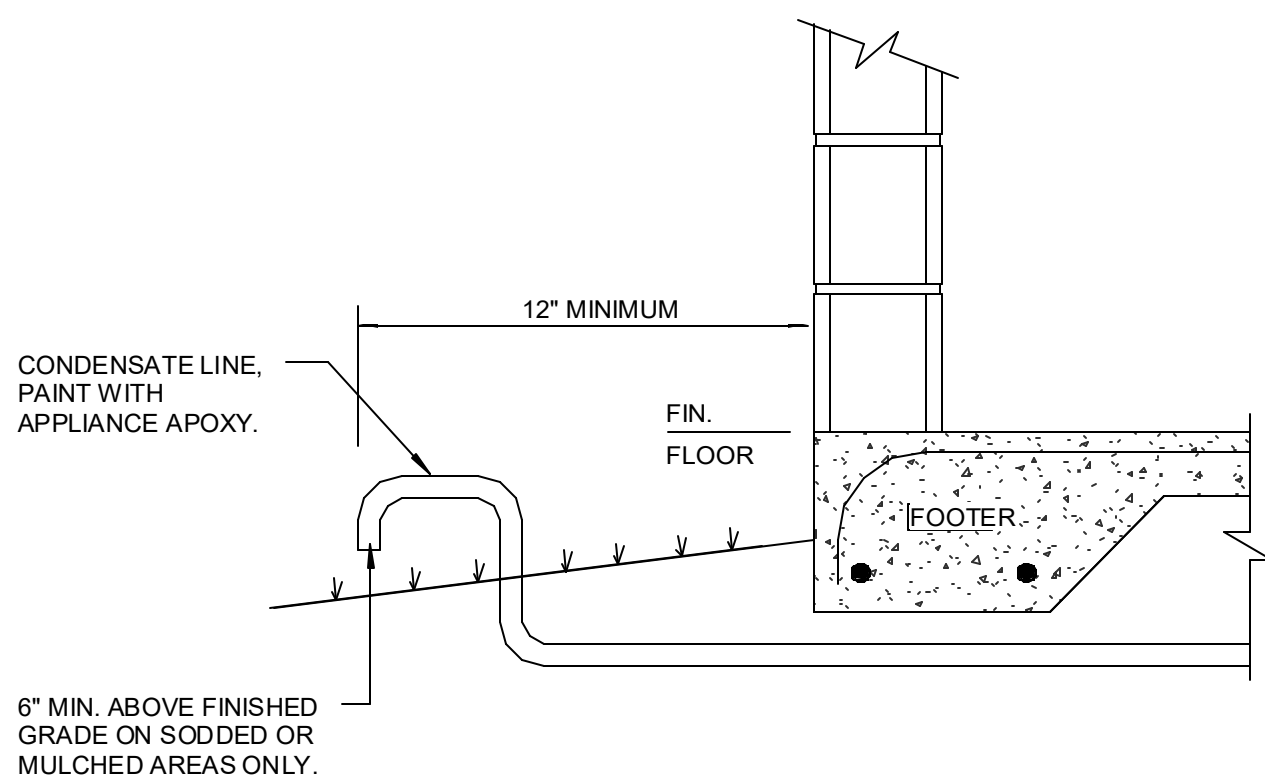
3 ELECTRIC WATER HEATER DETAIL
12" = 1'-0"



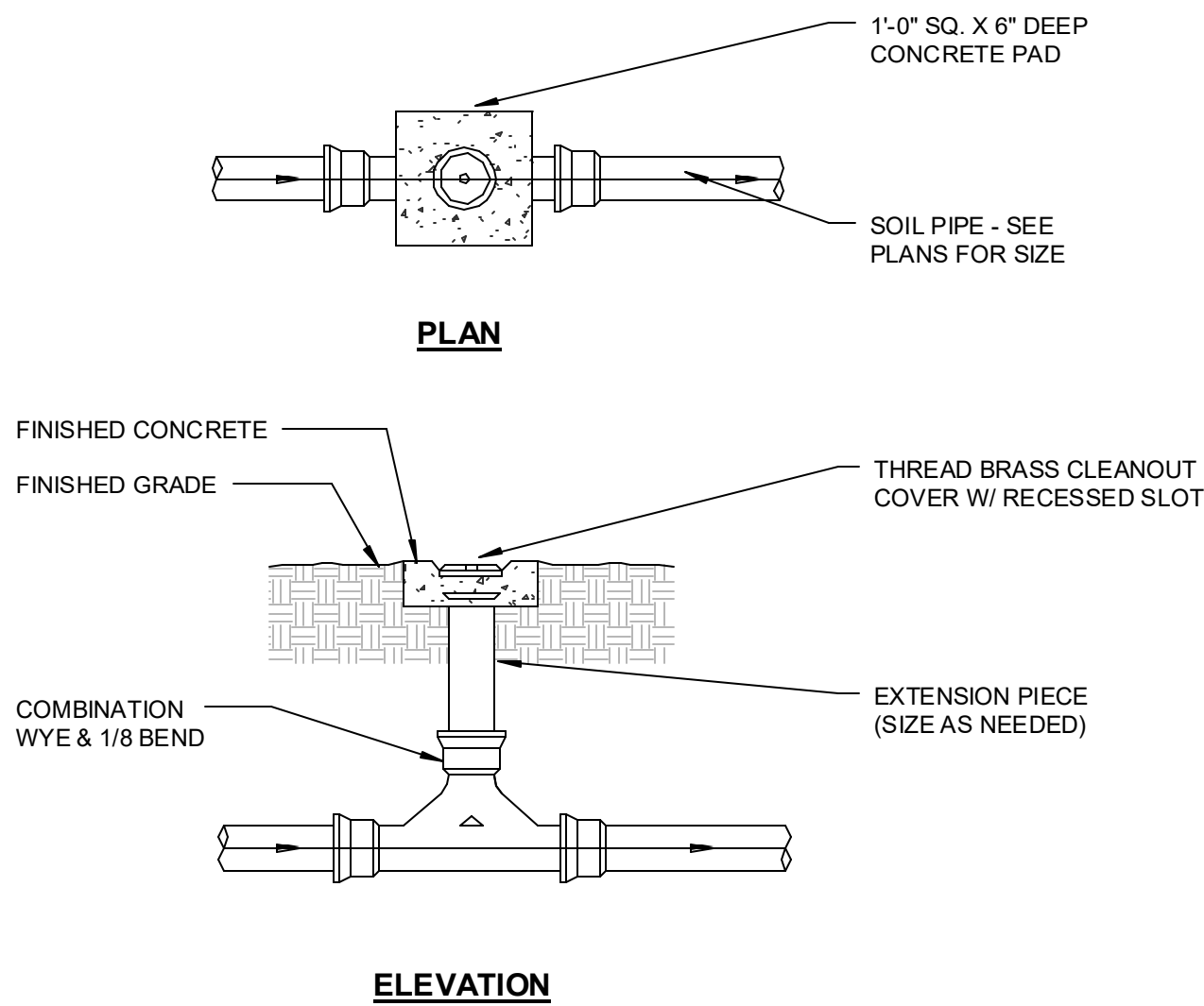
8 WALL CLEANOUT
12" = 1'-0"



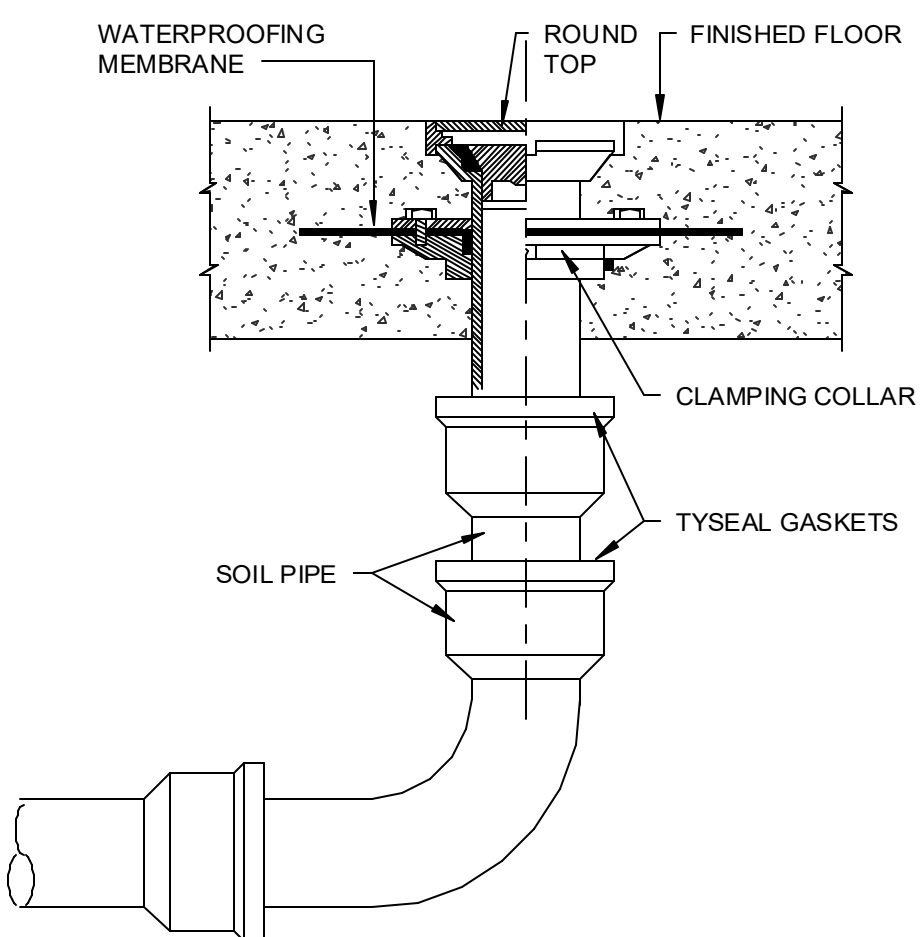
5 HOT WATER RECIRCULATING PUMP DETAIL
12" = 1'-0"



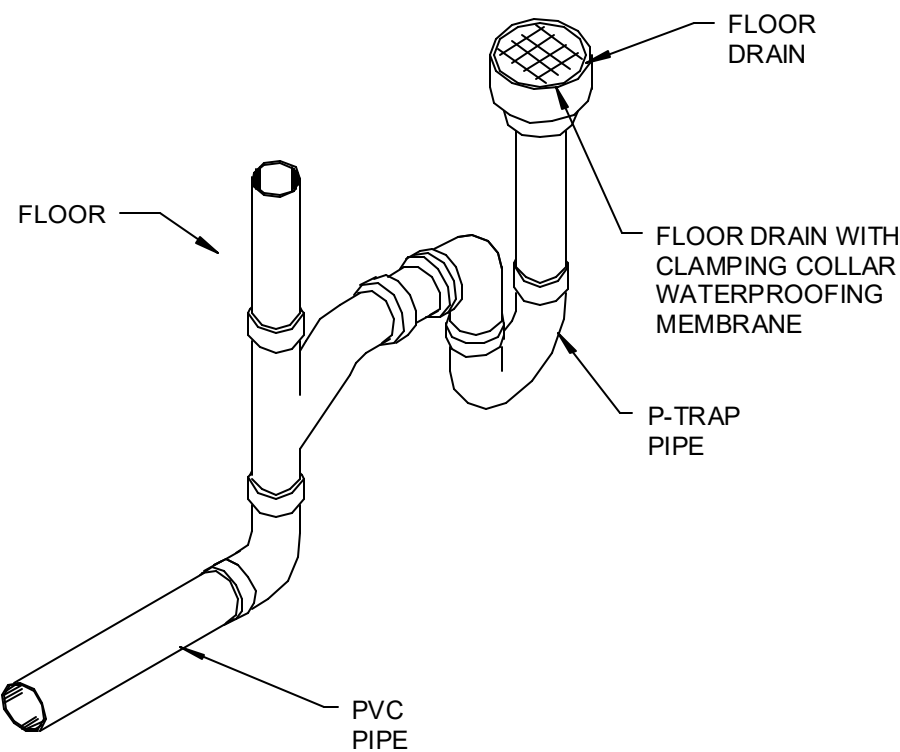
2 CONDENSATE / PAN DRAIN TERMINATION DETAIL
12" = 1'-0"



7 TWO WAY CLEANOUT
12" = 1'-0"



4 FLOOR CLEANOUT
12" = 1'-0"



1 AHU CONDENSATE, DRAIN PAN & T&P VALVE HUB DRAIN
12" = 1'-0"

OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

no.	description	date
	PERMIT SET	04.24.26

P5.01
DETAILS -
PLUMBING

PLUMBING FIXTURE SCHEDULE								
MARK	FIXTURE	WASTE	TRAP	VENT	COLD WATER	HOT WATER	MANUFACTURER /MODEL #	DESCRIPTION
AAV-1	AIR ADMITTANCE VALVE	1-1/2"	-	-	-	-	STUDDO TEC-VENT	Mount in accessible location for maintenance.
WHA-1	WATER HAMMER ARRESTOR	-	-	-	-	-	SILOUX CHIEF 650 SERIES	SIZE PER MANUFACTURER'S RECOMMENDATIONS. PDI CERTIFIED. WHA-1: SIZE "A" WHA-2: SIZE "B" REFER TO RISER DIAGRAMS FOR ARRESTOR LOCATIONS. REFER TO SPECIFICATION FOR SELECTION METHOD.
ECO-1	EXTERIOR CLEAN-OUT	SIZE/ SEE DWG.	-	-	-	-	ZURN ZS1400-VP	"LEVEL-TROL" ADJUSTABLE FINISHED FLOOR CLEANOUT, DURA-COATED CAST IRON BODY WITH GAS AND WATERTIGHT ABS TAPERED THREADED PLUG, AND HEAVY DUTY CAST IRON TOP, VANDALPROOF SCREWS.
WCO-1	WALL CLEAN-OUT	SIZE/ SEE DWG.	-	-	-	-	ZURN Z1446	CAST IRON CLEAN-OUT TEE, DURA COATED BODY, GAS AND WATERTIGHT ABS TAPERED THREAD PLUG AND ROUND, SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW.
FCO-1	FLOOR CLEAN-OUT	SIZE/ SEE DWG.	-	-	-	-	JOSAM 57000-31	PVC CLEAN-OUT WITH 2-WAY CLEAN-OUT TEE, COUNTER SUNK PLUG.
MV-1	MIXING VALVE	SIZE/ SEE DWG.	-	-	3/4"	3/4"	BRADLEY S59-4200T3	ASSE 1017 RATED, MIXING VALVE WITH INTEGRAL CHECKS.
MV-2	MIXING VALVE	SIZE/ SEE DWG.	-	-	3/4"	3/4"	BRADLEY S59-4000-A	ASSE 1070 RATED, MIXING VALVE WITH INTEGRAL CHECKS.
MV-3	MIXING VALVE	SIZE/ SEE DWG.	-	-	3/4"	3/4"	BRADLEY S59-9025	ASSE 1017 RATED, MIXING VALVE WITH INTEGRAL CHECKS.
INT-1	OILSAND INTERCEPTOR	3"	-	-	-	-	ZURN 1188-E-HD	100 GPM FLOW RATE, 110 GALLON CAPACITY, FABRICATED STEEL OIL INTERCEPTOR WITH INTEGRAL STORAGE TANK, ACID RESISTANT COATED INTERIOR AND EXTERIOR, FABRICATED STEEL EXTENSION AND HEAVY DUTY TRAFFIC RATED COVER. PROVIDE PLUG WRENCH.
RBPB-1	REDUCED PRESSURE BACKFLOW PREVENTER						WATTS NO. 9D, OR EQUAL	
1. FIXTURES FOR USE BY PEOPLE WITH DISABILITIES: A. INSTALL IN ACCORDANCE WITH A.D.A., STATE AND LOCAL REQUIREMENTS. B. THE FORCE REQUIRED TO ACTIVATE FLUSH VALVES SHALL BE 5 LBS MAXIMUM. C. FLUSH ACTIVATOR SHALL BE LOCATED ON WIDE SIDE OF THE STALL. D. THE FAUCET CONTROLS AND THE OPERATING MECHANISM (OPERABLE WITH ONE HAND) SHALL BE OF THE TYPE NOT REQUIRING AN OPERATING FORCE EXCEEDING 5 LBS, OR TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.								

ELECTRIC WATER HEATER SCHEDULE										
UNIT #	TYPE	GALLONS	INPUT KW	EFF.	GPH REC. @ 70°F RISE	VOLT/PHASE CURRENT DRAW (PER PHASE)	WEIGHT (LBS.)	DIMENSIONS	MANUFACTURER	
									MANUFACTURER	MODEL #
EW1-1	ELECTRIC	40	4.5	95%	53	208V - 1Ø	473	48" H x 20"Ø	RHEEM	ELDS40-TB
EW1-2	ELECTRIC	40	4.5	95%	53	208V - 1Ø	473	48" H x 20"Ø	RHEEM	ELDS40-TB
EW1-3	ELECTRIC	40	4.5	95%	53	208V - 1Ø	473	48" H x 20"Ø	RHEEM	ELDS40-TB
NOTES: 1. PROVIDE WITH EXPANSION VALVE, T & P VALVE AND WATER HEATER DRAIN PAN. 2. COORDINATE WATER HEATER LOCATION AND PIPING WITH MECHANICAL AND ELECTRICAL PLANS.										

PUMP SCHEDULE														
UNIT #	DESCRIPTION	TYPE	GPM	FT HEAT	PUMP EFF. %	CONN. SIZE		MOTOR DATA				SELECTION BASED ON:		NOTES
						INLET	OUTLET	HP	RPM	VOLT	PH.	MANUFACTURER	MODEL	
HWCP-1	HOT WATER CIRCULATION PUMP	IN LINE PUMP	3	12	70	3/4"	3/4"	1/6	1750	120	1 PH	BELL & GOSSETT	SERIES 60	PROVIDE AQUASTAT AND TIME CLOCK.

ELECTRIC INSTANTANEOUS WATER HEATER SCHEDULE										
UNIT #	SERVING	TYPE	GALLONS	INPUT KW	RECOVERY (GPM)	VOLT/PHASE CURRENT DRAW (PER PHASE)	WEIGHT (LBS.)	DIMENSIONS	MANUFACTURER	
									MANUFACTURER	MODEL #
IWH-1	SINKS	ELECTRIC	INSTANTANEOUS	8.3	57 DEG RISE @ 1 GPM	208V - 1Ø	4.5	10"H x 5.5"W x 4"D	EEMAX	PA008208T
NOTES: 1. COORDINATE WATER HEATER SERVICES, PIPING AND LOCATION WITH MECHANICAL AND ELECTRICAL PLANS.										

PDI SIZING METHOD FOR GREASE TRAP	
EFFECTIVE CAPACITY OF GREASE INTERCEPTOR (GALLONS) 3 COMPARTMENT SINK @ 16"x20"x10" EA. x 2 = 6400	
CONTENTS IN GALLONS: CUBIC INCHES DIVIDED BY 231 = 27.7 GALLONS ACTUAL DRAINAGE LOAD 0.75 x 27.7 = 20.8 GALLONS	
CALCULATION FOR FLOW RATE FOR ONE MINUTE PERIOD: 14/1 = 14 GPM FLOW RATE	
FOR ONE MINUTE PERIOD 20 GPM REQUIRES ONE SCHIER GB-1 (20GPM/70LBS) GREASE TRAP (G1-1)	

PLUMBING FIXTURE SCHEDULE									
MARK	FIXTURE	WASTE	TRAP	VENT	COLD WATER	HOT WATER	MANUFACTURER /MODEL #	DESCRIPTION	
WC-1	WATER CLOSET	3"	INTEG	2"	1/2"	-	KOHLER K-3998-0	TANK TYPE - RIM 14- ³ / ₄ " AFF. VITREOUS CHINA, 1.0 GPF, SIPHON JET, ELONGATED BOWL, FLOOR MOUNTED, CLOSED COUPLED COMBINATION; BOLT CAPS. ANGLE STOP SUPPLIES & ESCUTCHEONS. COORDINATE FINISH WITH ARCHITECT. SOLID PLASTIC, ELONGATED WHITE SEAT, KOHLER K-4636. FLUSH CONTROLS TO BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.	
WC-2	WATER CLOSET - ADA	3"	INTEG	2"	1/2"	-	KOHLER K-3493-0	TANK TYPE - RIM 17- ³ / ₄ " AFF. VITREOUS CHINA, 1.0 GPF, SIPHON JET, ELONGATED BOWL, FLOOR MOUNTED, CLOSED COUPLED COMBINATION; BOLT CAPS. ANGLE STOP SUPPLIES & ESCUTCHEONS. COORDINATE FINISH WITH ARCHITECT. SOLID PLASTIC, ELONGATED WHITE SEAT, KOHLER K-4636. FLUSH CONTROLS TO BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.	
WC-3	WATER CLOSET BREAKROOM	3"	INTEG	2"	1"	-	KOHLER K-98053-0 KOHLER K-76321	VITREOUS CHINA, 15- ³ / ₄ " MOUNTING HEIGHT INCLUDING SEAT, 1.28 GALLON, FLOOR MOUNTED, SIPHON JET, ELONGATED CLOSET BOWL WITH 1-1/2" TOP SPUD, 1.28 GALLON CHROME PLATED FLUSH VALVE(EXPOSED), 1-INCH I.P.S. SCREW DRIVER ANGLE STOP WITH PROTECTIVE CAP, ADJUSTABLE TAILPIECE, VACUUM BREAKER	
WC-4	WATER CLOSET - ADA BREAKROOM	3"	INTEG	2"	1"	-	KOHLER K-96057-0 KOHLER K-76321	VITREOUS CHINA, 16- ³ / ₄ " MOUNTING HEIGHT INCLUDING SEAT, 1.28 GALLON, FLOOR MOUNTED, SIPHON JET, ELONGATED CLOSET BOWL WITH 1-1/2" TOP SPUD, 1.28 GALLON CHROME PLATED FLUSH VALVE(EXPOSED), 1-INCH I.P.S. SCREW DRIVER ANGLE STOP WITH PROTECTIVE CAP, ADJUSTABLE TAILPIECE, VACUUM BREAKER	
L-1	LAVATORY	1-1/2"	1-1/4"	1-1/2"	1/2"	1/2"	KOHLER K-2882-0 BRADLEY S53-3700	18- ³ / ₄ " RECTANGULAR UNDERMOUNT BATHROOM SINK, VITREOUS CHINA, SINGLE HOLE PUNCH, WHITE, OVERFLOW DRAIN. COMPLETE WITH RAP AND TRIM RINGS.	
L-2	LAVATORY - ADA	1-1/2"	1-1/4"	1-1/2"	1/2"	1/2"	DURAVIT 07054500002 BRADLEY S53-3700	BARRIER FREE - 17- ³ / ₄ " x 13- ³ / ₄ " WALL MOUNTED, VITREOUS CHINA SINK, BRASSCRAFT ¹ / ₄ " TURN ANGLE STOP SUPPLIES W/SUPPLY TUBES AND ESCUTCHEONS. PROVIDE CHAIR-CARRIER AND FLOOR DRAIN TRAP GUARDS.	
L-3	LAVATORY DORIS	1-1/2"	1-1/4"	1-1/2"	1/2"	1/2"	KOHLER K-2983-0 BRADLEY S53-3700	15- ³ / ₄ " ROUND UNDERMOUNT BATHROOM SINK, VITREOUS CHINA, SINGLE HOLE PUNCH, WHITE, OVERFLOW DRAIN. COMPLETE WITH RAP AND TRIM RINGS.	
S-1	SINGLE COMPARTMENT SINK	2"	2"	1-1/2"	1/2"	1/2"	AMERICAN STANDARD 18S96252211.075 7074100.002	25"x22" 18-GAUGE STAINLESS STEEL, TOP MOUNT SINK, SINGLE HOLE, SINGLE BOWL, SUPPLY WITH MOUNTING CLIPS AND COLONY PRO SINGLE-HANDLE PULL-OUT SPRAY KITCHEN FAUCET.	
SH-1	SHOWER	2"	2"	1-1/2"	1/2"	1/2"	STERLING OC-SS-39 CLEVELAND FAUCET 46302CGR	39-3/8" x 39-3/8" VIKRELL SHOWER BASE, TEXTURED FLOOR, INTEGRATED TILING FLANGE, CENTER DRAIN, PRESSURE BALANCE SHOWER, METAL LEVER HANDLE, 1.75 GPM SINGLE FUNCTION SHOWER HEAD. PROVIDE WITH KOHLER RITE-TEMP/KP8304-KS.	
SH-2	SHOWER	2"	2"	1-1/2"	1/2"	1/2"	- CLEVELAND FAUCET 46302CGR	60" x 36" VIKRELL SHOWER BASE, TEXTURED FLOOR, INTEGRATED TILING FLANGE, CENTER DRAIN, PRESSURE BALANCE SHOWER, METAL LEVER HANDLE, 1.75 GPM SINGLE FUNCTION SHOWER HEAD. PROVIDE WITH KOHLER RITE-TEMP/KP8304-KS.	
SH-3	SHOWER	2"	2"	1-1/2"	1/2"	1/2"	- CLEVELAND FAUCET 46302CGR	60" x 60" VIKRELL SHOWER BASE, TEXTURED FLOOR, INTEGRATED TILING FLANGE, CENTER DRAIN, PRESSURE BALANCE SHOWER, METAL LEVER HANDLE, 1.75 GPM SINGLE FUNCTION SHOWER HEAD. PROVIDE WITH KOHLER RITE-TEMP/KP8304-KS.	
SH-4	SHOWER DORIS	2"	2"	1-1/2"	1/2"	1/2"	- CLEVELAND FAUCET 46302CGR	62" x 36" VIKRELL SHOWER BASE, TEXTURED FLOOR, INTEGRATED TILING FLANGE, CENTER DRAIN, PRESSURE BALANCE SHOWER, METAL LEVER HANDLE, 1.75 GPM SINGLE FUNCTION SHOWER HEAD. PROVIDE WITH KOHLER RITE-TEMP/KP8304-KS.	
UR-1	URINAL	2"	INTEG	2"	3/4"	-	AMERICAN STANDARD 6561017.020 6063101.002	LIP +17" VITREOUS CHINA, WHITE, WALL HUNG SIPHON JET FLUSH URINAL COMPLETE WITH 3/4" TOP SPUD AND WALL HANGERS. PROVIDE AMERICAN STANDARD SELECTRONIC TOUCHLESS FLUSH VALVE, DC POWER FOR ALL URINALS.	
UR-2	URINAL - ADA	2"	INTEG	2"	3/4"	-	AMERICAN STANDARD 6561017.020 6063101.002	LIP +17" VITREOUS CHINA, WHITE, WALL HUNG SIPHON JET FLUSH URINAL COMPLETE WITH 3/4" TOP SPUD AND WALL HANGERS. PROVIDE AMERICAN STANDARD SELECTRONIC TOUCHLESS FLUSH VALVE, DC POWER FOR ALL URINALS.	
2CS	2 COMPARTMENT SINK	SIZE/ SEE DWG.	1-1/2"	1-1/2"	3/4"	3/4"	BK RESOURCES BK3-2-1620-10-18TS KROWN 14-810L	TWO 16"x20"x10" COMPARTMENT SINK STAINLESS STEEL LEG 18" DRAINBOARD LAR, 10" SWING SPOUT FAUCET SPLASH MOUNT 8" CENTER LOW LEAD	
IMB-1	ICE MAKER BOX	-	-	-	1/2"	-	OATEY 38491	BULK MOLDED COMPOUND, FIRE-RATED BOX W/ DIMENSION OF 8.63" HIGH x 8.13" WIDE, ¹ / ₄ " TURN BRASS BALL VALVE WITH WATER HAMMER ARRESTOR.	
WB-1	WASHER BOX	3"	2"	1-1/2"	3/4"	3/4"	OATEY 36247 PLUMBICRAFT 7639500T	VALVE 36" AFF. HIGH IMPACT PLASTIC BOX W/ DIMENSION OF 7" HIGH x 9.89" WIDE. TWO ¹ / ₄ " TURN ANGLE VALVES WITH WATER HAMMER ARRESTORS, ³ / ₄ " DIA. SUPPLY CONNECTION. NYLON LINT TRAP FOR WASHING MACHINE DRAIN SYSTEM.	
HB-1	HOSE BIBB	-	-	-	3/4"	-	WOODFORD B24	SANITARY, AUTO DRAINING, WITH VACUUM BREAKER, BACKFLOW PROTECTED. SEE PLANS FOR WALL THICKNESS AND MOUNTING HEIGHT.	
FD-1	FLOOR DRAIN	SIZE/ SEE DWG.	-	-	-	-	ZURN ZN415S	DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND SQUARE TYPE 'B' POLISHED NICKEL BRONZE STRAINER.	
FD-2	FLOOR DRAIN	SIZE/ SEE DWG.	-	-	-	-	ZURN ZN415SH	DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND SQUARE TYPE 'SH' POLISHED NICKEL BRONZE, SQUARE HINGED, LIGHT DUTY STRAINER.	
FS-1	FLOOR SINK	SIZE/ SEE DWG.	-	-	-	-	ZURN Z1900	DURA-COATED CAST IRON 12"x12"x6" BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND SQUARE TYPE 'B' POLISHED NICKEL BRONZE HALF GRATE. PROVIDE 1/2" COLD WATER TRAP PRIMER CONNECTION.	
FS-2	FLOOR SINK	SIZE/ SEE DWG.	-	-	-	-	ZURN Z1901	DURA-COATED CAST IRON 12"x12"x8" BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND SQUARE TYPE 'E' POLISHED NICKEL BRONZE HALF GRATE. PROVIDE 1/2" COLD WATER TRAP PRIMER CONNECTION.	
EW-1	EYE WASH STATION	SIZE/ SEE DWG.	-	-	3/4"	-	BRADLEY S19-212	PEDESTAL MOUNT EYE/FACE WASH UNIT WITH PLASTIC BOWL.	
EW-1	ELECTRIC WATER COOLER HILOW W/ BOTTLE FILLER	2"	1-1/2"	1-1/2"	1/2"	-	ELKAY LZST18WSLK	LOWER BUBBLER 32- ³ / ₄ " AFF, UPPER 38- ³ / ₄ " AFF. BOTTLE FILLING STATION WITH ELECTRONIC BOTTLE FILLER SENSOR WITH ELECTRONIC FRONT AND SIDE BUBBLER PUSHBAR ACTIVATION, WALL MOUNTED CAPACITY TO DELIVER 8 GPH OF 50°F WATER WITH INLET TEMP. OF 80°F AND ROOM TEMP. OF 90°F, STAINLESS STEEL BASIN & PEWTER VINYL W/ 1/5 HP., 120V/1Ø.	
1. FIXTURES FOR USE BY PEOPLE WITH DISABILITIES: A. INSTALL IN ACCORDANCE WITH A.D.A., STATE AND LOCAL REQUIREMENTS. B. THE FORCE REQUIRED TO ACTIVATE FLUSH VALVES SHALL BE 5 LBS MAXIMUM. C. FLUSH ACTIVATOR SHALL BE LOCATED ON WIDE SIDE OF THE STALL. D. THE FAUCET CONTROLS AND THE OPERATING MECHANISM (OPERABLE WITH ONE HAND) SHALL BE OF THE TYPE NOT REQUIRING AN OPERATING FORCE EXCEEDING 5 LBS, OR TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.									

no.	description	date
	PERMIT SET	04.24.26
1	PERMIT COMMENTS	06.19.26