



CITY OF PROVIDENCE, RHODE ISLAND

Department: Public Property

RFP Title: HVAC and Electrical Upgrades at 2 Fire Stations

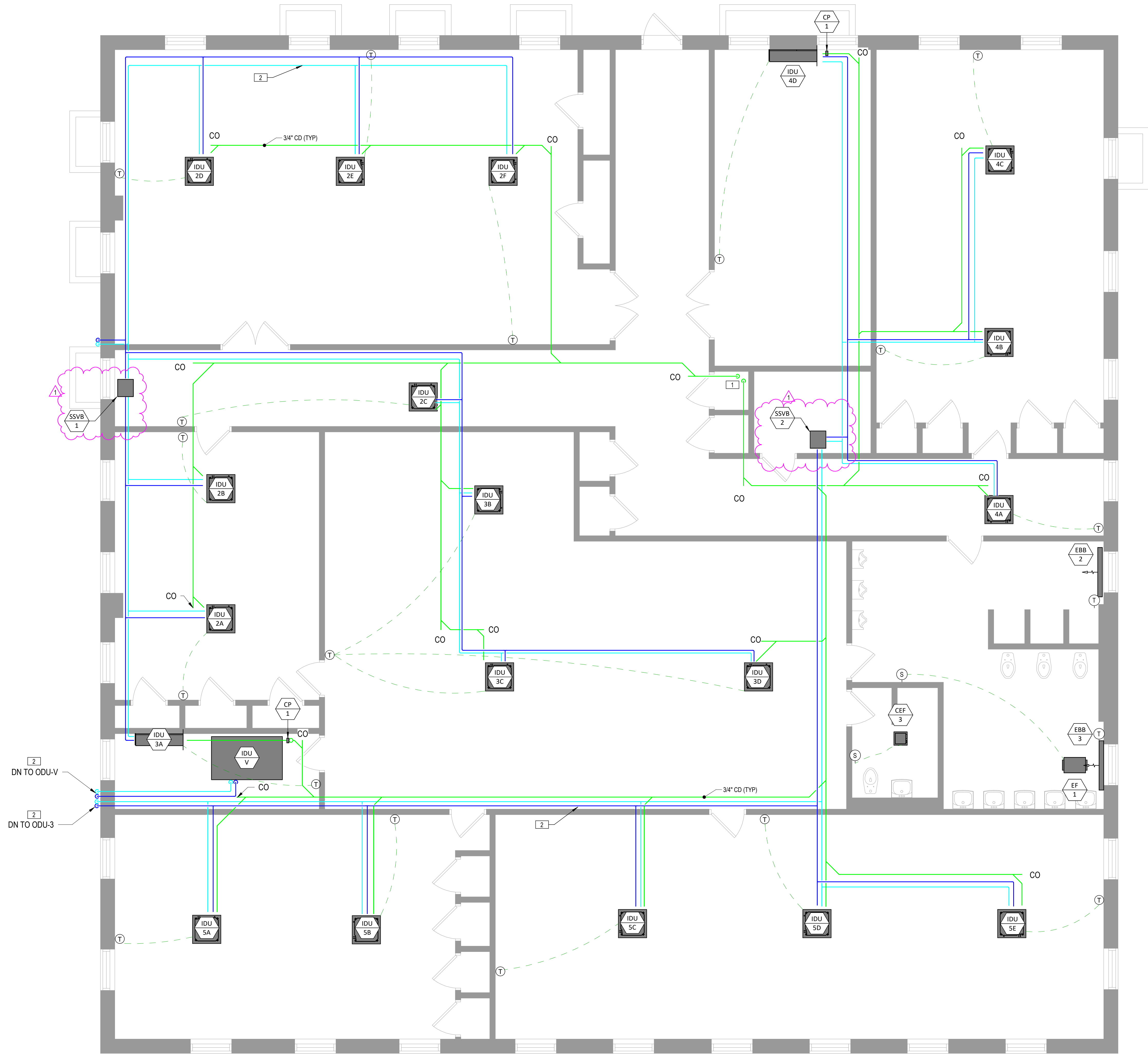
Opening Date: 24 Aug 2026

Addendum #: 6

Issuing Date: 17 Aug 2026

The purpose of this addendum is to provide an update:

During review of bidder questions, our design team at Creative identified a correction that needed to be made to the drawings at North Main. They identified that there are two additional 208V boxes required for safety shutoff valves to comply with code requirements. Creative have provided updated drawings showing the two added boxes which are attached here for bidders to update their bids.



GENERAL SHEET NOTES

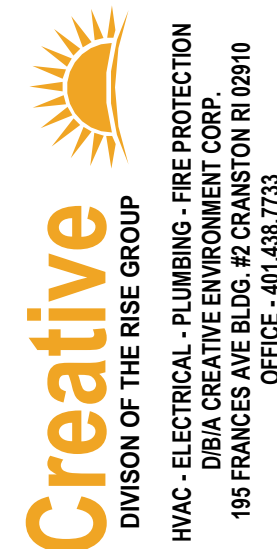
1. ALL CONDENSATE PIPING IS 3/4" UNLESS OTHERWISE NOTED.
2. PROVIDE CONDENSATE CP-1 (AND POWER) WHERE PITCH CANNOT BE ACHIEVED. CONTRACTOR TO COORDINATE REQUIRED QUANTITIES WITH COORDINATION MODEL.
3. MOUNT EQUIPMENT AS HIGH AS POSSIBLE, CONTRACTOR TO COORDINATE HEIGHTS AND ROUTING ON SITE.

KEYED SHEET NOTES

1. TERMINATE 1" CONDENSATE MAIN 1'-0" ABOVE MOP SINK. COORDINATE EXACT LOCATION OF MOP SINK WITH PLUMBER.
2. RS & RL. SIZE PER MANUFACTURER'S REQUIREMENTS.

PROJECT:

NORTH MAIN STREET FIRE STATION - HVAC & ELECTRICAL UPGRADES



151 North Main Street
Providence, RI 02903

REVISIONS:

1	08/14/26	Addendum #6

STAMP:

PROJECT STATUS:

100% CD SET

DATE: 8/14/2026

PROJECT NO: 20250752

DRAWN BY: TW

CHECKED BY: DH

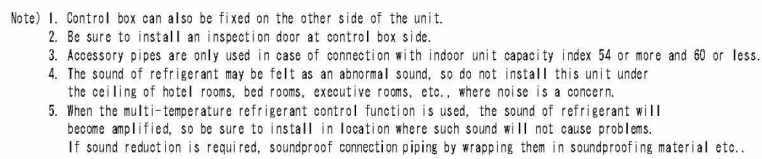
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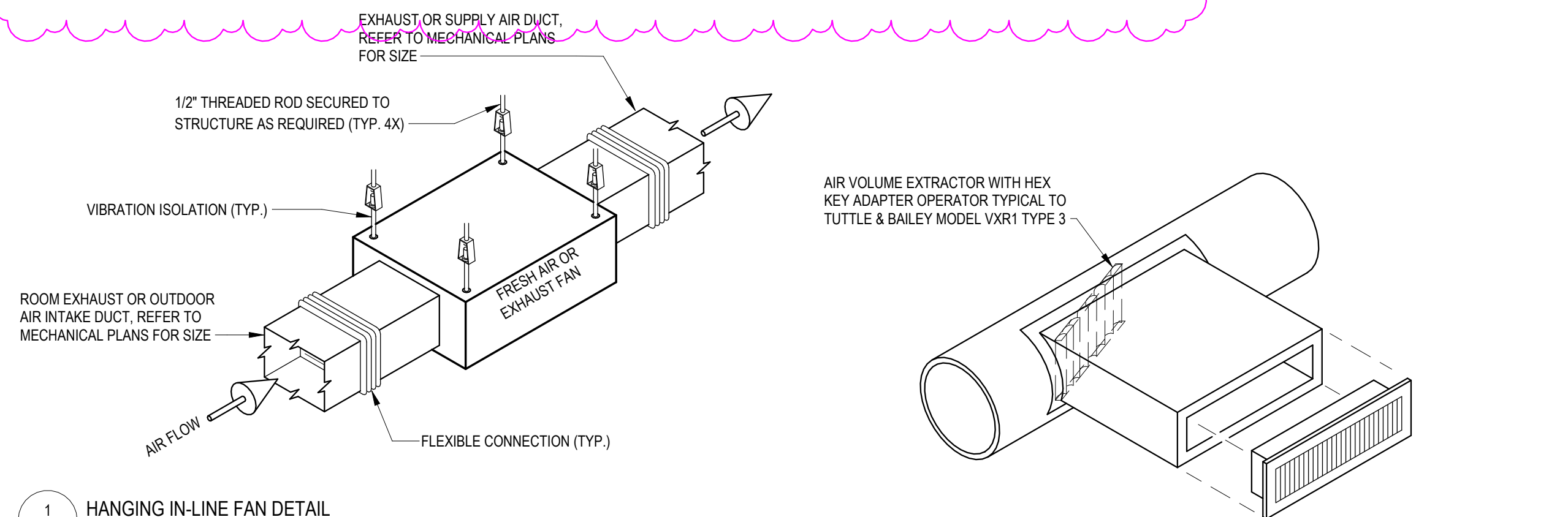
MECHANICAL PIPING -
SECOND FLOOR

DRAWING NO.:

M302



8 SAFETY SHUT OFF VALVE BOX
M601 NOT TO SCALE



1 HANGING IN-LINE FAN DETAIL

M601 NOT TO SCALE

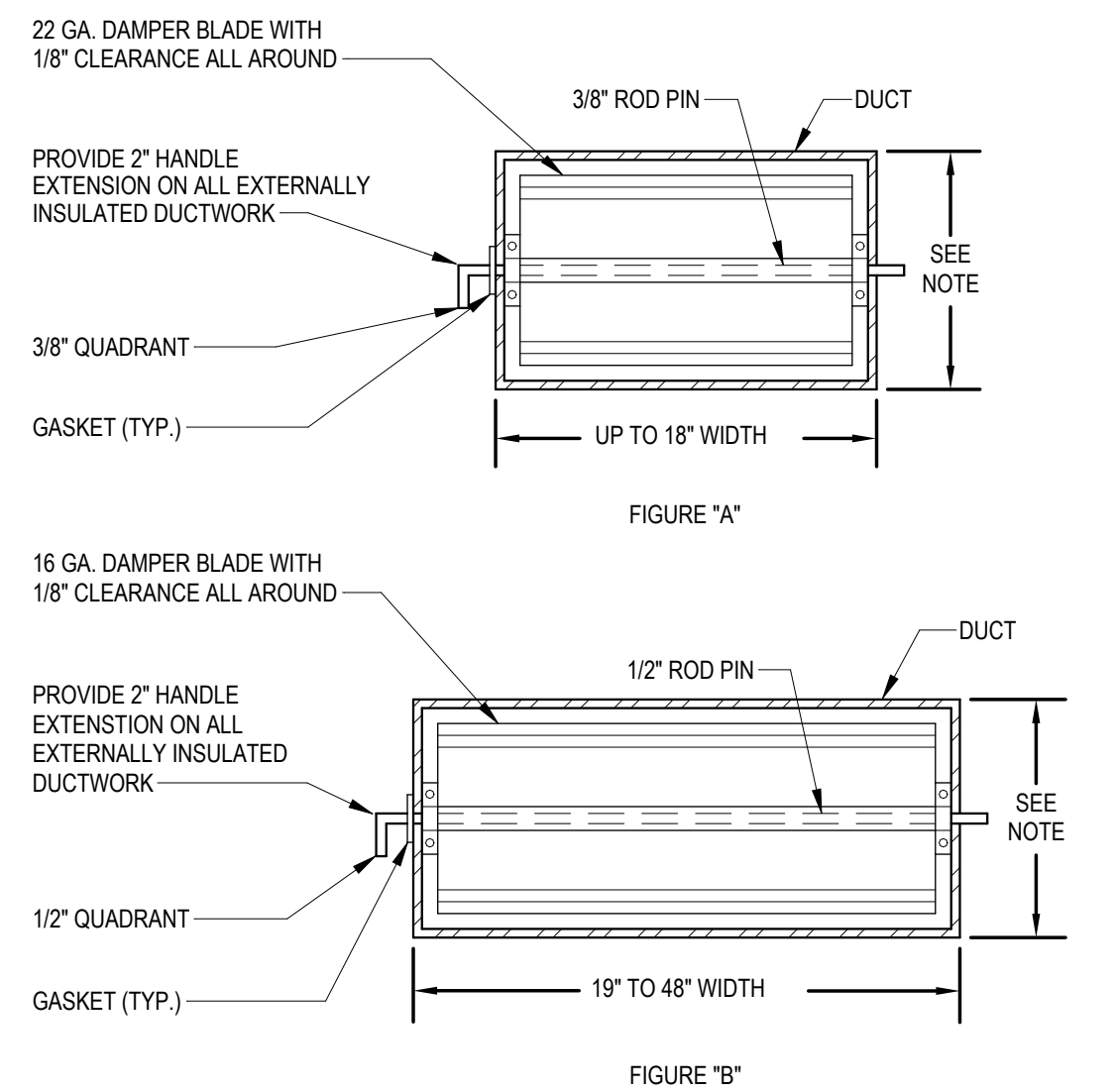
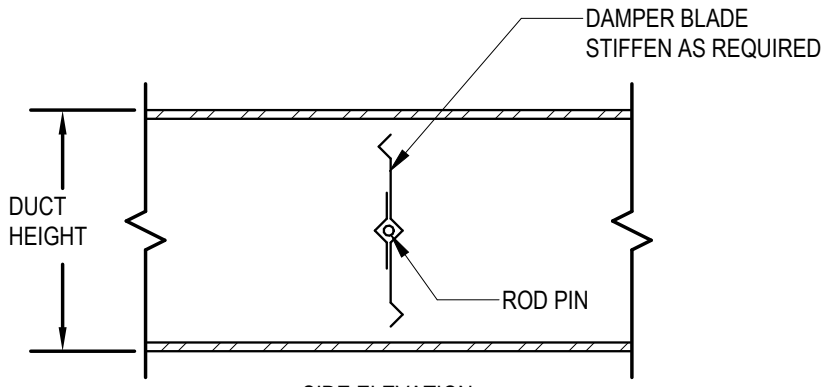


FIGURE "B"

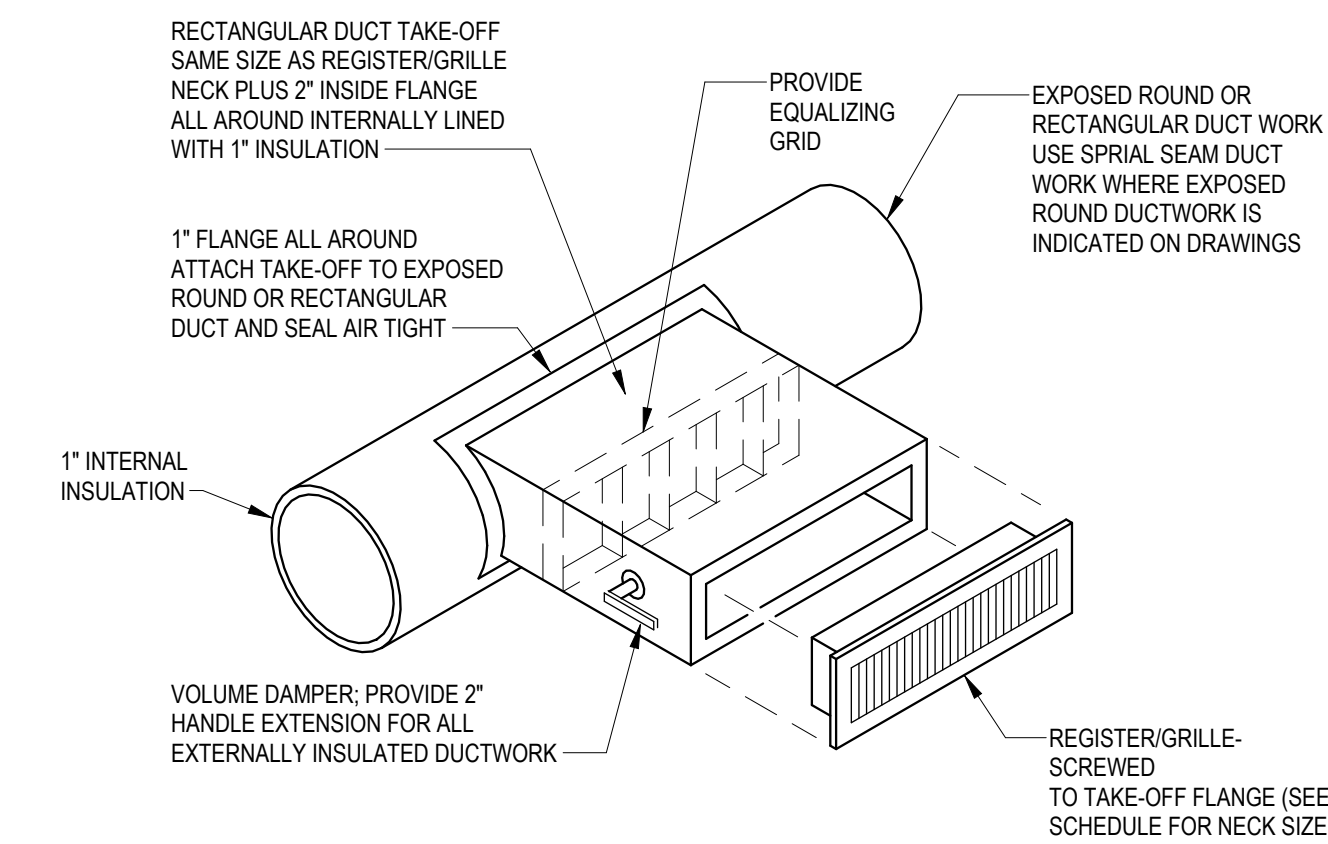


DE ELEVATION
FIGURE "A" & "

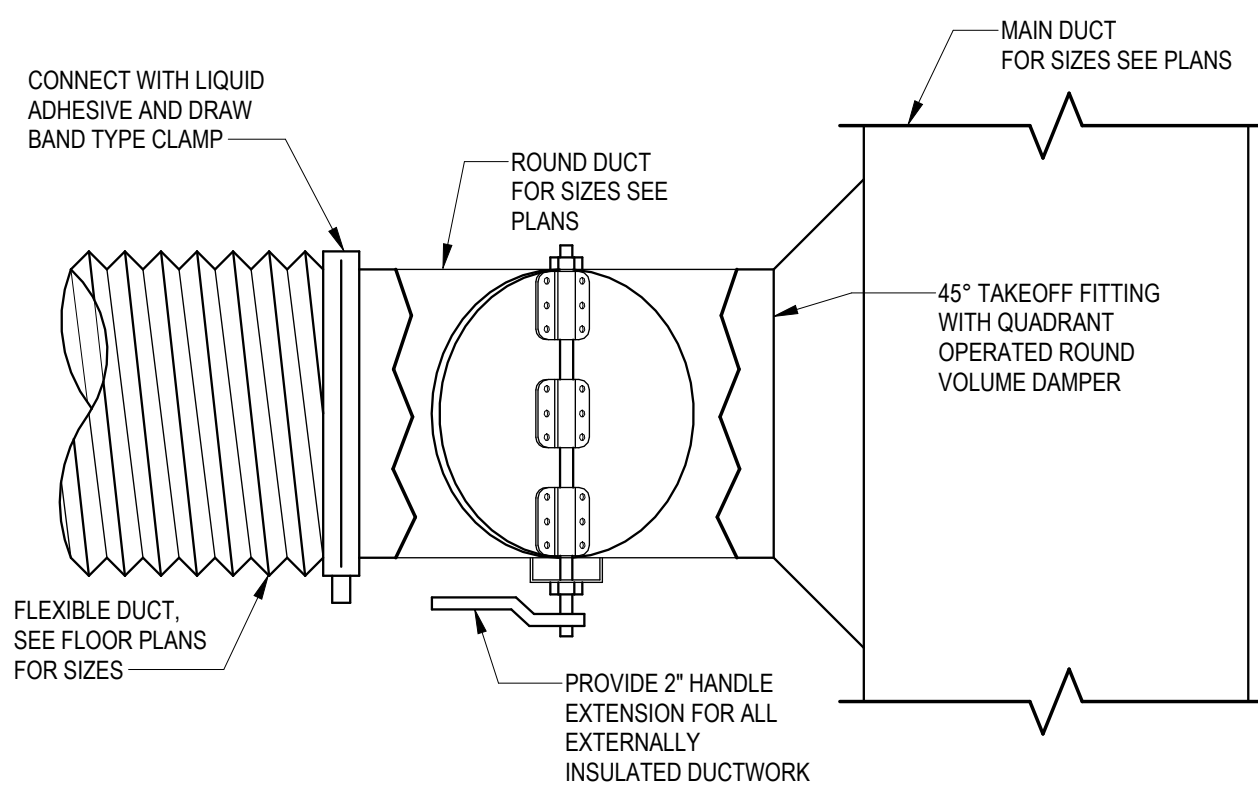
NOTE:

1. MAX. HEIGHT FOR SINGLE BLADE DAMPER AS REQUIRED BY MANUFACTURER
FOR GREATER HEIGHT USE MULTI-BLADE CONTROL DAMPER.

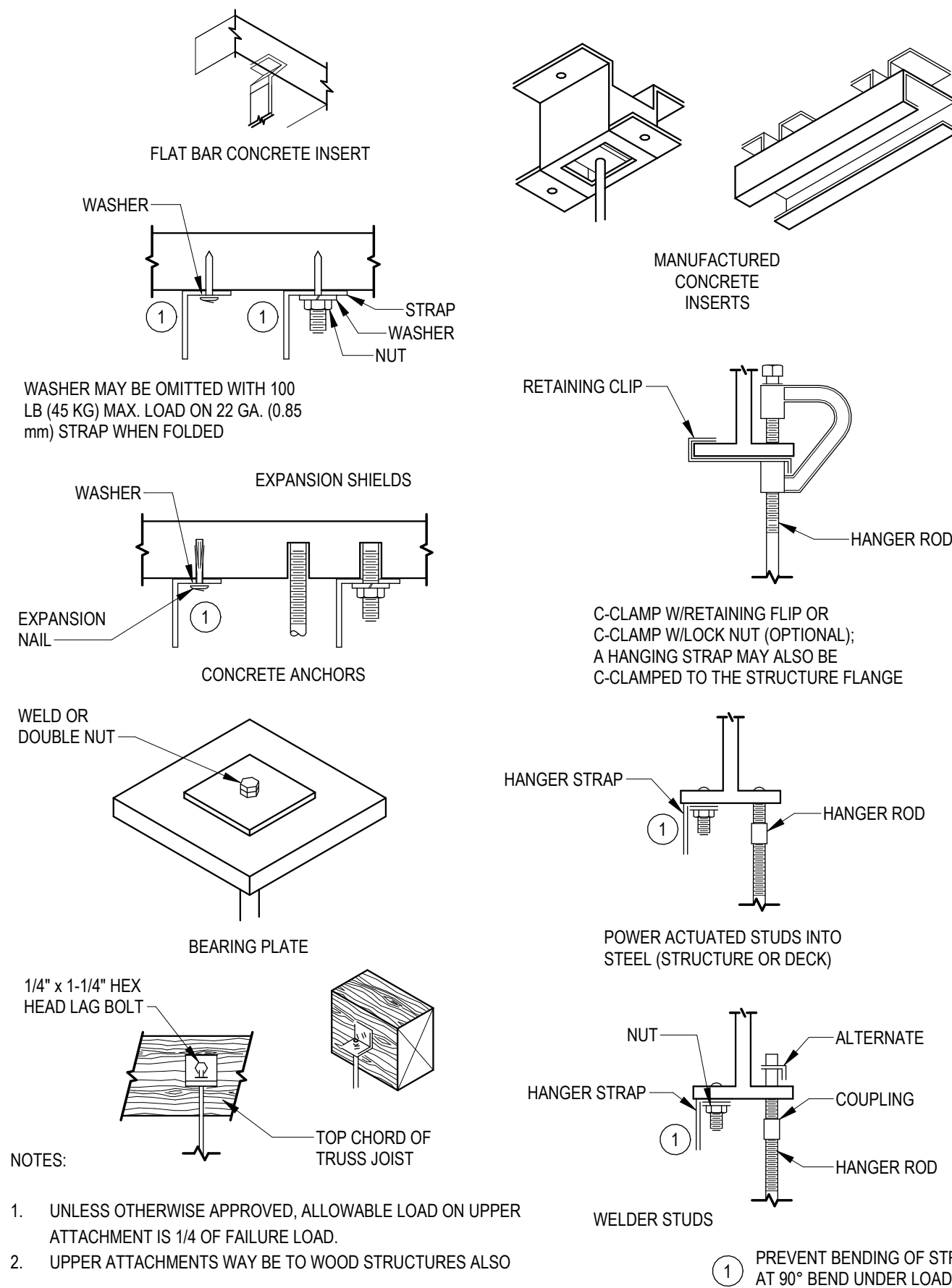
4 VOLUME DAMPER DETAIL
M601 NOT TO SCALE



5 TYPICAL/EXPOSED DUCT REGISTER/GRILLE TAKEOFF
M601 NOT TO SCALE

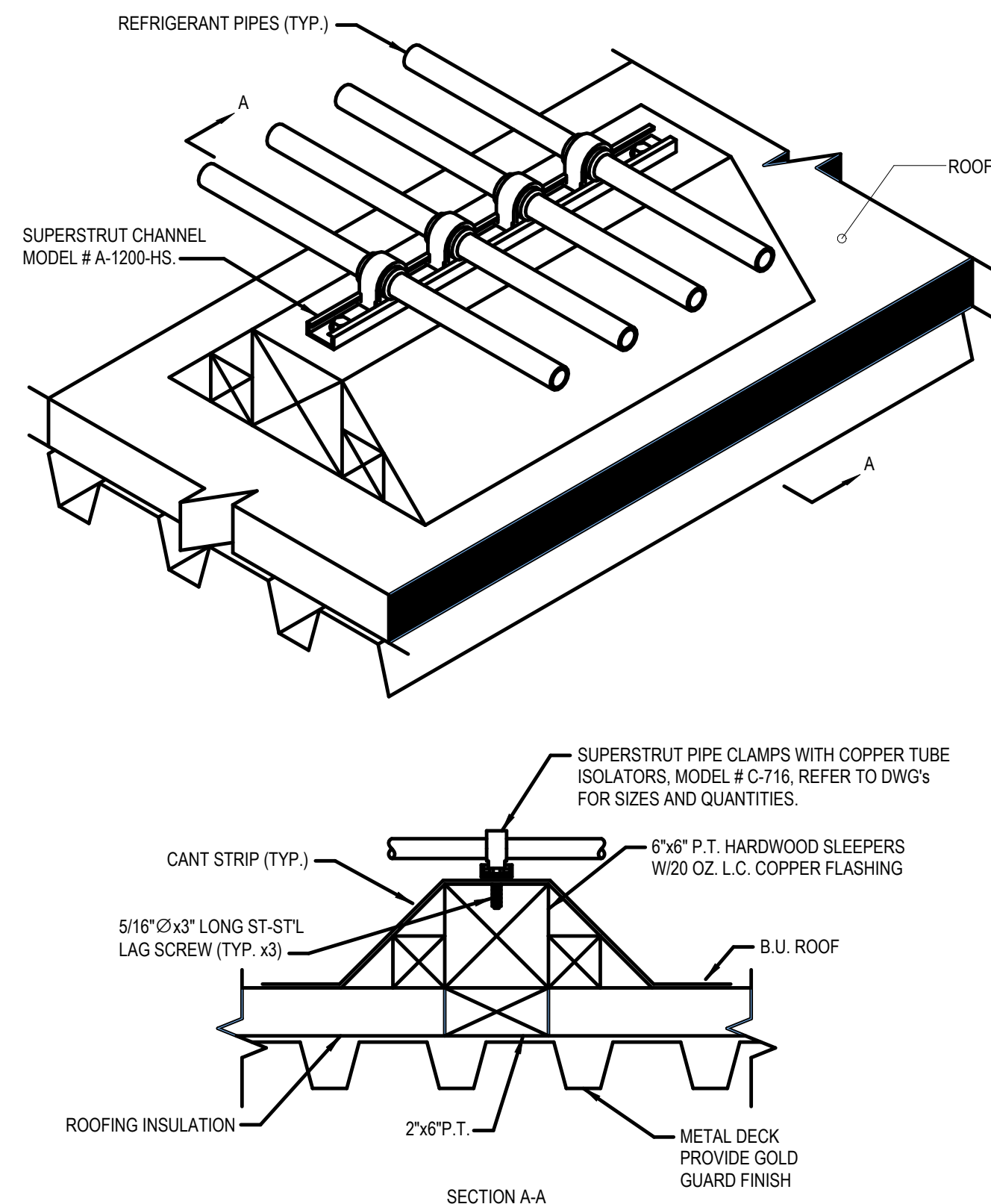


6 ROUND BRANCH TAKEOFF DETAIL
M601 NOT TO SCALE



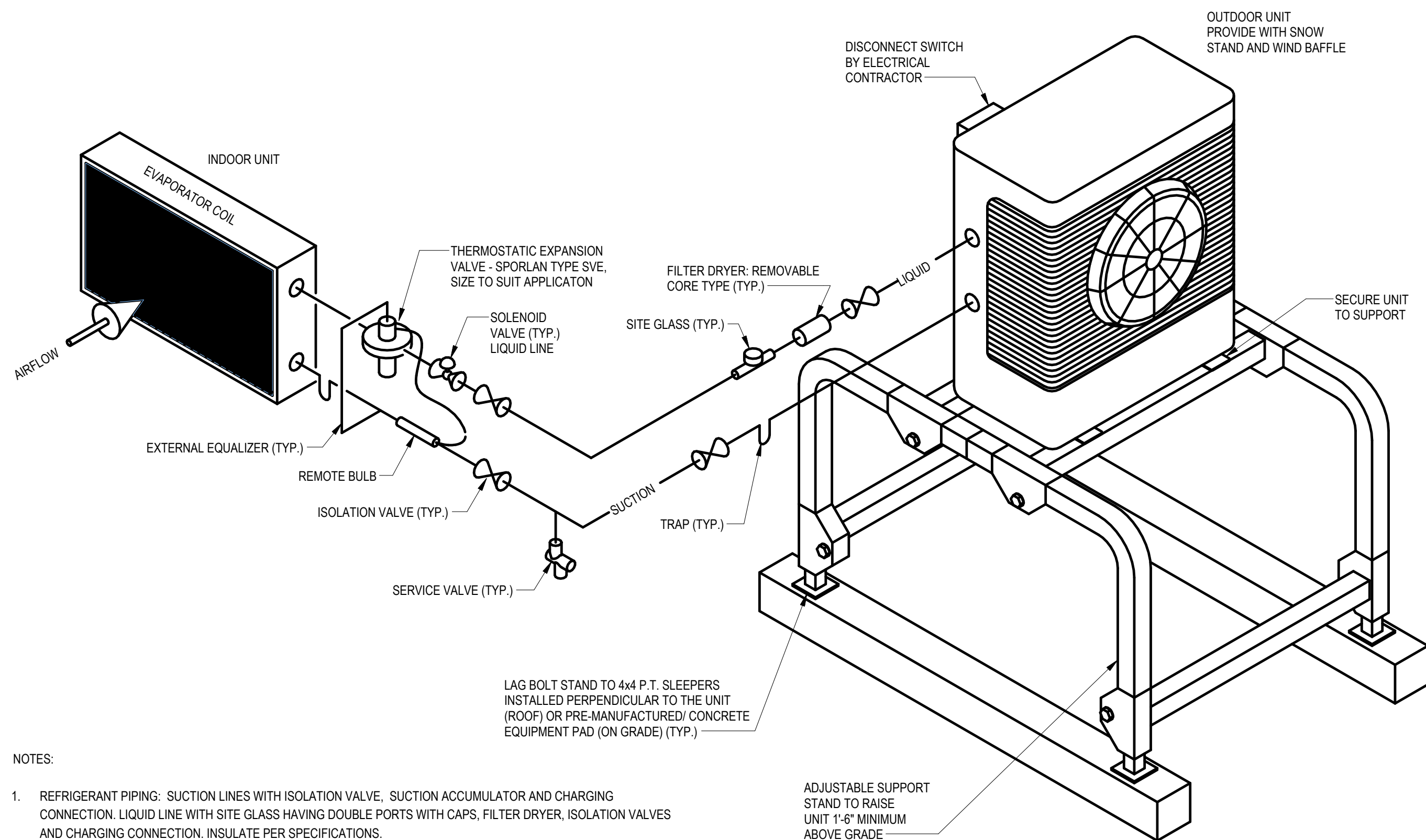
1. UNLESS OTHERWISE APPROVED, ALLOWABLE LOAD ON UPPER ATTACHMENT IS 1/4 OF FAILURE LOAD.
2. UPPER ATTACHMENTS MAY BE TO WOOD STRUCTURES ALSO

2 UPPER ATTACHMENTS DETAIL
M601 NOT TO SCALE



- NOTE:
1. PROVIDE GOLDDGUARD FINISH

3 REFRIGERANT PIPE SLEEPER SUPPORT DETAIL

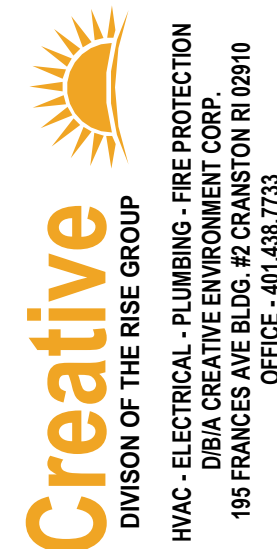


- NOTES

1. REFRIGERANT PIPING: SUCTION LINES WITH ISOLATION VALVE, SUCTION ACCUMULATOR AND CHARGING CONNECTION. LIQUID LINE WITH SITE GLASS HAVING DOUBLE PORTS WITH CAPS, FILTER DRYER, ISOLATION VALVES AND CHARGING CONNECTION. INSULATE PER SPECIFICATIONS.
2. NOT ALL INSTALLATIONS REQUIRE A THERMOSTATIC EXPANSION VALVE. REFER TO SCHEDULE AND SPECIFICATION.
3. CONTACT OWNER'S ROOFING CONTRACTOR FOR DETAIL OF SLIP-SHEET INSTALLATION UNDER SLEEPERS TO MAINTAIN THE EXISTING MANUFACTURER'S ROOF WARRANTY.

7	VRF REFRIGERANT PIPING DIAGRAM
M601	NOT TO SCALE

NORTH MAIN STREET FIRE STATION - HVAC & ELECTRICAL UPGRADES



151 North Main Street
Providence, RI 02903

REVISIONS:		
1	08/14/26	Addendum #6

STAMP

PROJECT STATUS

100% CD SET

DATE: 8/14/2

PROJECT NO: 20250

DRAWN BY:

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DRAWING TITLE:

MECHANICAL DETAILS

DRAWING NO.:

M601

DIFFUSER, GRILLE & REGISTER SCHEDULE											
TAG	NECK SIZE (IN.)	FACE DIMENSIONS (IN.)	SELECTION RANGE (CFM)	SERVICE	MOUNTING ②	ACCESSORIES	NC AT MAXIMUM CFM	THROW AT MAX CFM ③	MAX TP (IN H2O)	MANUFACTURER MODEL NO. (AS STANDARD)	REMARKS
S-1	6x4	6x4	0-65	SUPPLY	SIDEWALL	N/A	<22	4-5-8	<0.15	①	-
S-2	8x6	8x6	66-175	SUPPLY	SIDEWALL	N/A	<22	4-7-10	<0.15	①	-
S-3	10x6	10x6	300	SUPPLY	SIDEWALL	N/A	<22	4-6-11	<0.15	①	-
E-1	6x6	6x6	0-100	EXHAUST	SIDEWALL	STAINLESS	<22	-	<0.15	①	-
E-2	12x6	12x6	150	EXHAUST	SIDEWALL	STAINLESS	<22	-	<0.15	①	-
TG-1	12x4	12x4	150	SUPPLY	SIDEWALL	N/A	<22	-	<0.15	①	-

- ① ACCEPTABLE MANUFACTURERS/MODELS INCLUDE PRICE SDC, TITUS TMS, AND NAILOR RNS.
② COORDINATE COLOR, FINISH, AND MOUNTING WITH ARCHITECTURAL DRAWINGS.
③ THROWS INDICATED FOR 150-100-50 FPM

ELECTRIC UNIT HEATER SCHEDULE										
REMARKS: 1. PROVIDE WITH INTEGRAL POWER DISCONNECT. 2. PROVIDE A LINE VOLTAGE OUTDOOR WEATHERPROOF TEMPERATURE SENSOR ON THE EXTERIOR WALL TO DISABLE OPERATION OF EUH WHEN THE OUTDOOR AIR IS GREATER THAN 45°F. THE ELECTRICAL CONTRACTOR SHALL WIRE TO THE EUH, THERMOSTAT, AND OUTDOOR SENSOR. 3. PROVIDE WITH INTEGRAL THERMOSTAT. 4. PROVIDE WITH MANUFACTURER'S MOUNTING OPTIONS										
TAG	LOCATION	TYPE	CAPACITY (KW)	ELECTRICAL DATA				MANUFACTURER	MODEL NUMBER	REMARKS
				VOLTS	PH	HZ	AMPS			
EUH-1	BIOLER ROOM	BRACKET MOUNTED	3.00 kW	208 V	1	60	14.5	QMARK	MUH03-81	1-7

ELECTRIC BASEBOARD SCHEDULE												
REMARKS: 1. FINISH COLOR BY ARCHITECT. 2. INTEGRAL THERMOSTAT AND DISCONNECT. 3. COORDINATE POWER WITH ELECTRICIAN.												
TAG	TAG #	LOCATION	CAPACITY (KW)	TOTAL LENGTH (IN)	VOLTS	PH	HZ	AMPS	WEIGHT (lb.)	MANUFACTURER	MODEL NUMBER	REMARKS
EBB	1	TOILET	376	30	208 V	1	60	1.8	7.8	MARLEY	BKOC25426	1-3
EBB	2	MENS RESTROOM SHOWER	1.25	60	208 V	1	60	6	13	MARLEY	BKOC2505W	1-3
EBB	3	MENS RESTROOM SHOWER	1.25	60	208 V	1	60	6	13	MARLEY	BKOC2505W	1-3

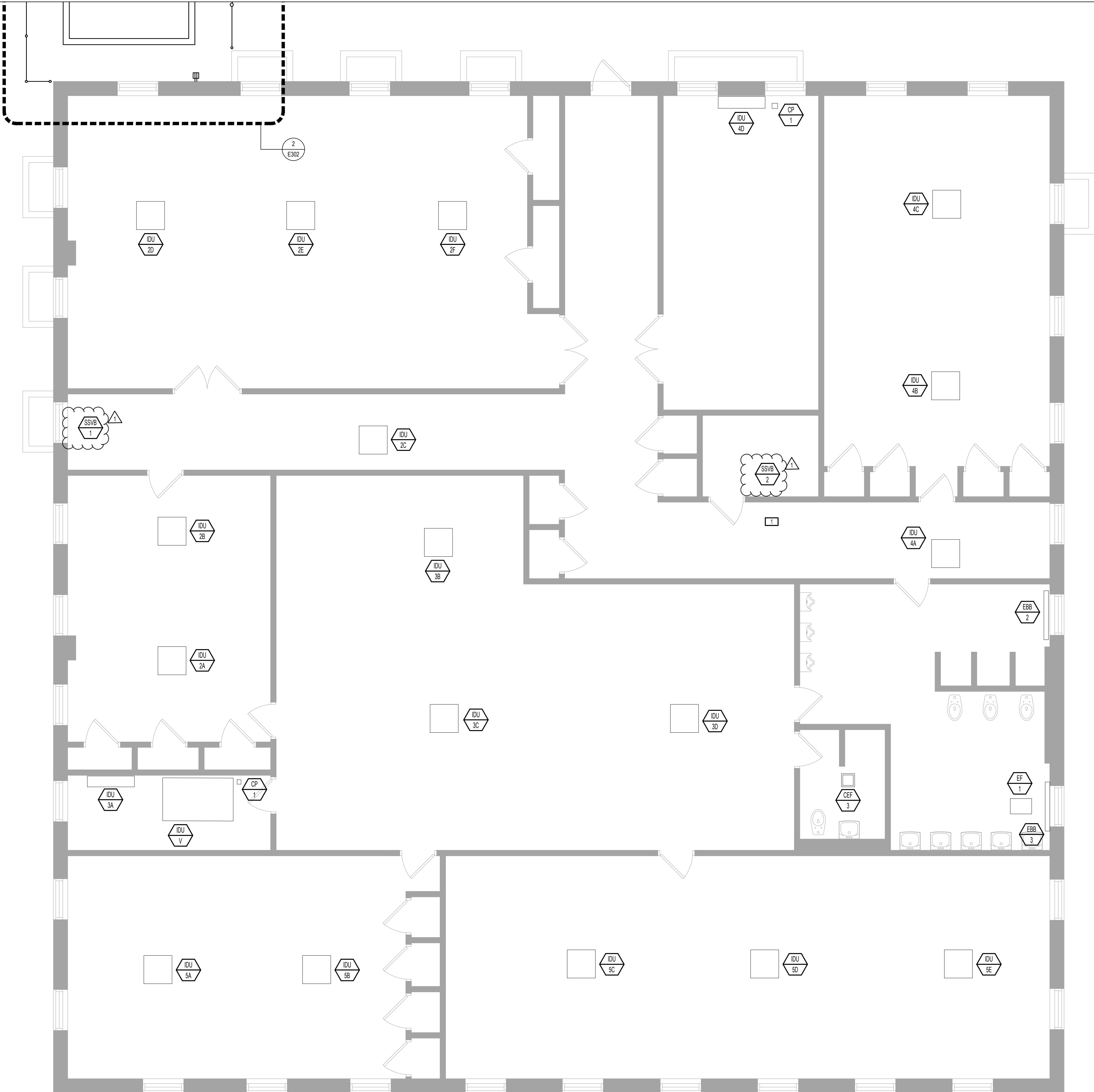
CONDENSATE PUMP SCHEDULE											
REMARKS: 1. INDIVIDUALLY POWERED COORDINATDE WITH ELECTRICAL PLANS. 2. PROVIDE CONDENSATE CP-1 (AND POWER) WHERE PITCH CANNOT BE ACHIEVED CONTRACTOR TO COORDINATE REQUIRED QUANTITIES WITH COORDINATION MODEL.											
TAG	GPH	LIFT MAX (FT)	ELECTRICAL DATA				MANUFACTURER	MODEL NUMBER	REMARKS		
CP-1	3.7	16.5	208 V	1	60	0.50 A	BLUE DIMOND	MAXIBLUE	1		

SPLIT SYSTEM HEAT PUMP VRF UNIT SCHEDULE (OUTDOOR UNIT)													
REMARKS: 1. CORRECTED COOLING CAPACITIES ARE BASED ON OUTDOOR OF 95°F (DB). 2. CORRECTED HEATING CAPACITIES ARE BASED ON OUTDOOR OF 9F(WB). 3. FOR SYSTEMS WITH MULTIPLE MODULES, REFRIGERANT PIPE DIMENSIONS INDICATE TOTAL SYSTEM COMBINED PIPING DOWNSTREAM OF MODULE TWINNING. 4. ADDED FIELD CHARGE LISTED IN ADDITION TO FACTORY CHARGE. THIS MUST BE UPDATED BASED UPON FINAL AS-BUILT PIPING LAYOUT. 5. SYSTEM TO PROVIDE GUARANTEED HEATING OPERATION DOWN TO -22F AND MEET THE SCHEDULED CORRECTED HEATING CAPACITIES AT 9F. 6. R-32 REFRIGERANT. 7. COORDINATE POWER AND DISCONNECT REQUIREMENTS WITH ELECTRICIAN. 8. PROVIDE VRV CENTRAL CONTROLLER WITH BACnet INTEGRATION SOFTWARE FOR INTEGRATION WITH BMS.													
TAG	LOCATION	UNITS SERVED	CORRECTED COOLING CAPACITY (BTU/H)	CORRECTED HEATING CAPACITY (BTU/H)	SONES	ELECTRICAL DATA				WEIGHT (LBS)	MANUFACTURER	MODEL NUMBER	REMARKS
						VOLTS	PH	HZ	MOCP	MCA			
ODU-1	SEE PLANS	SEE PLANS	134,879	117,710	89.5	208	3	60	60	50.0	800	DAIKIN	RXYA144AATJA 1-7
ODU-2	SEE PLANS	SEE PLANS	61,889	61,594	89.5	208	3	60	35	33.0	525	DAIKIN	RXYA72AATJA 1-7
ODU-3	SEE PLANS	SEE PLANS	72,892	83,772	82	208	3	60	40	34.9	725	DAIKIN	RXYA85AATJA 1-7
ODU-V	SEE PLANS	IDU-V	88,399	77,535	28	208	3	60	40	34.9	725	DAIKIN	RXYA96AATJA 1-7

SPLIT SYSTEM EVAPORATING UNIT SCHEDULE (INDOOR UNIT)													
REMARKS: 1. COORDINATE POWER AND DISCONNECT REQUIREMENTS WITH ELECTRICIAN. 2. NOMINAL COOLING CAPACITIES ARE BASED ON OUTDOOR OF 95°F (DB). 3. NOMINAL HEATING CAPACITIES ARE BASED ON OUTDOOR OF 43°F (WB). 4. SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES. 5. SEE SCHEMATIC PIPING/CONTROL DIAGRAMS FOR INDICATIONS OF REQUIRED INDOOR UNIT CONTROLLERS, SYSTEM CONTROLLERS, AND INTEGRATION DEVICES. 6. FULL DEMAND CORRECTED CAPACITY INCLUDES DE-RATE ASSOCIATED WITH INDOOR VS. OUTDOOR CONNECTED CAPACITY INDICATED ON OUTDOOR UNIT SCHEDULE FOR ASSOCIATED SYSTEM. PARTIAL CORRECTED CAPACITY ASSUMES SUFFICIENT DIVERSITY EXISTS SUCH THAT THE CONNECTED CAPACITY DE-RATE DOES NOT APPLY. IT IS THE DESIGNER'S RESPONSIBILITY TO ENSURE "DIAMOND SYSTEM BUILDER" IS SET IN THE APPROPRIATE OUTPUT CAPACITY SETTING (FULL DEMAND/PARTIAL DEMAND) PRIOR TO GENERATING THIS SCHEDULE. 7. IT IS RECOMMENDED TO ALWAYS BASE HEATING CORRECTED CAPACITY ON FULL DEMAND. 8. R-32 REFRIGERANT.													

FAN SCHEDULE																		
REMARKS: 1. EC MOTOR. 2. DISCONNECT BY DIVISION 26. 3. FACTORY PROVIDED SPRING ISOLATOR HANGING KIT 4. FACTORY PROVIDED LOW VOLTAGE MOTERIZED DAMPER. 5. FACTORY PROVIDED BIRDSCREEN.																		
TAG	AREAS SERVED	TYPE	CFM	ESP (IN WC)	FAN RPM	BHP	SONES	DRIVE	VFD	ELECTRICAL DATA					WEIGHT (LBS)	MANUFACTURER	MODEL NUMBER	REMARKS
										VOLTS	PH	HZ	WATTS	MCA				
CEF-1	TOILET	CABINET FAN	75 CFM	0.56	1285	.03	1.5	DIRECT	Yes	120 V	1	60	161 W	1.33	24	GREENHECK	CSP-A390-VG	1.5
CEF-2	JAN 1	CABINET FAN	75 CFM	0.56	1285	.03	1.5	DIRECT	Yes	120 V	1	60	161 W	1.33	24	GREENHECK	CSP-A390-VG	1.5
CEF-3	BATHROOM 2	CABINET FAN	75 CFM	0.56	1285	.03	1.5	DIRECT	Yes	120 V	1	60	161 W	1.33	24	GREENHECK	CSP-A390-VG	1.5
EF-1	WASH ROOM	IN LINE	375 CFM	0.5	1215	.12	1.6	DIRECT	Yes	120 V	1	60	218 W	3.11	36	GREENHECK	CSP-A510-VG	1.5
EF-2	EQUIPMENT ROOM	IN LINE	300 CFM	.77	1350	.07	5.7	DIRECT	Yes	115 V	1	60	128 W	1.8	23	GREENHECK	CSP-A390	1.5
VF-1	APPARATUS BAY	IN LINE	1000 CFM	1	1431	.31	6.4	DIRECT	Yes	115 V	1	60	373 W	8.2	61	GREENHECK	SQ-120-VG	1.5

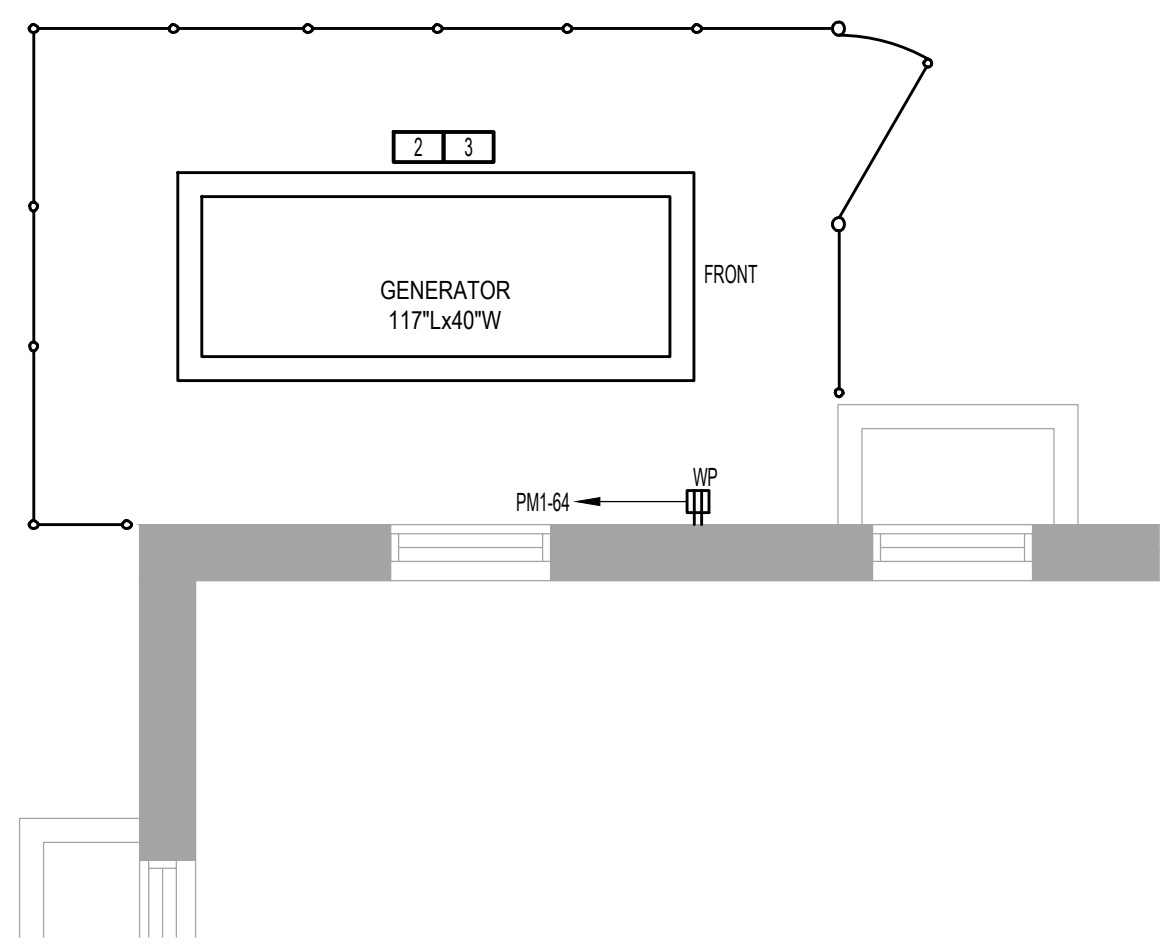
DX AIR HANDLING UNIT SCHEDULE (INDOOR UNIT)																																												
REMARKS: 1. DISCONNECT SWITCH BY DIVISION 26. 2. SELECTION INCLUDES BACKUP ELECTRIC HEATING COIL (17.8 kW, 91.35 FLA) 3. PROVIDE WITH MERV 13 FILTER. 4. THIS UNIT IS SUPPLY MAKE UP AIR ONLY, WITH NO RETURN. 5. PROVIDE WITH FACTORY INSTALLED VALVES AND CONTROLLERS																																												
TAG	TAG #	LOCATION	AREA SERVED	MIN OA CFM	REF CHARGE (lbs)	SUPPLY FAN DATA					PREHEAT HEATING COIL DATA										DX COOLING COIL DATA					DX HEATING COIL DATA					ELECTICAL DATA (UNIT)					ELECTICAL DATA (HEATING COIL)					WEIGHT (LBS)	MANUFACTURER	MODEL NUMBER	REMARKS
						TSP (IN WC)	ESP (IN WC)	MOTOR KW	TYPE	FAN RPM	HTG MBH	HTG KW	VOLT	PH	HZ	FLA	EAT DB °F	EAT WB °F	LAT DB °F	LAT WB °F	REFRIG TYPE	TOTAL MBH	SENSIBLE MBH	LAT DB °F	LAT WB °F	TOTAL MBH	SENSIBLE MBH	LAT DB °F	LAT WB °F	VOLT	PH	HZ	MCA	MOCP	VOLT	PH	HZ	MCA	MOCP					
IDU	V	SEE PLANS	LEVEL 2	1,100	1.95	2.16	1.0	0.78	ECM	2,447	64.8	19	208	3	60	52.74	9	8	59	40	R-32	85.8	46.42	54.78	53.67	51.08	33.26	60.0	208	1	60	4.9	15	208	3	60	65.9	70	872	OXYGEN 8	TRC012	1-5		



1 ELECTRICAL POWER & SYSTEMS PLAN - SECOND FLOOR
SCALE: 1/4" = 1'-0"

- ### GENERAL POWER & SYSTEMS SHEET NOTES
- ALL BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE MC 98% CONDUCTIVITY, COPPER MINIMUM #12 AWG SIZE THWN/THHN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.
 - COORDINATE EXACT LOCATION OF ALL DEVICES.
 - WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
 - WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
 - ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.
 - TYPICALLY REFER TO ARCHITECTURAL ELEVATIONS FOR DEVICE LOCATIONS PRIOR TO ROUGH-IN.
 - COORDINATE MOUNTING HEIGHT OF ALL TECHNOLOGY DEVICES WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN.
 - REFER TO ARCHITECTURAL DRAWINGS FOR FIRE AND SMOKE RATED WALLS AND PROVIDE PROPER METHOD OF PENETRATION FOR EACH.
 - PROVIDE CONDENSATE PUMP CP-1 AND POWER CONNECTION (208V, 1PH, 15A-2P CB) WHERE PITCH CANNOT BE ACHIEVED. CONTRACTOR SHALL COORDINATE REQUIRED QUANTITIES WITH MECHANICAL CONTRACTOR.

- ### KEYED SHEET NOTES
- ELECTRICAL DESIGN BY OTHERS (ANDRE GILL ENGINEERING, LLC). ELECTRICAL CONTRACTOR SHALL COORDINATE ANY NEW ELECTRICAL SERVICE EQUIPMENT WITH THEIR DRAWINGS AND DRAWING E301 AS REQUIRED.
 - 175 KW/218.75 KVA, 120/208V, 3PHASE, 4 WIRE, OUTDOOR DIESEL GENERATOR WITHIN WEATHERPROOF ENCLOSURE WITH FENCE ENCLOSURE AND 39 HOUR SUB-BASE DOUBLE WALL FUEL TANK. POUR NEW CONCRETE PAD FOR NEW GENERATOR. SEE DETAIL 5/E602.
 - THE ELECTRICAL CONTRACTOR SHALL RUN ALL ASSOCIATED GENERATOR CONDUITS UNDERGROUND TO WALL MOUNTED NEMA 3R PULL BOXES OR LB FITTINGS AND RUN INTO BUILDING AS REQUIRED. PROVIDE CORING AND SEALING AS REQUIRED.



2 ELECTRICAL POWER & SYSTEMS PART PLAN - GENERATOR
SCALE: 1/4" = 1'-0"

PROJECT:

NORTH MAIN STREET FIRE STATION - HVAC & ELECTRICAL UPGRADES

Creative

DIVISION OF THE RISE GROUP
HVAC - ELECTRICAL - PLUMBING - FIRE PROTECTION
DBA CREATIVE ENVIRONMENT CORP.
195 FRANCES AVE BLDG #2 CRANSTON RI 02910
OFFICE - 401.438.7733

151 NORTH MAIN STREET,
Providence, RI 02904

REVISIONS:

1	8/14/26	ADDENDUM #6

STAMP:

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DATE:

3/13/2026

PROJECT NO:

20260762

DRAWN BY:

JDP

CHECKED BY:

SC

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DRAWING TITLE:

POWER & SYSTEMS PLAN - SECOND FLOOR

DRAWING NO.:

E302

ELECTRICAL CONNECTION SCHEDULE FOR MECHANICAL EQUIPMENT																							
MECHANICAL EQUIPMENT NOTES: 1. BRANCH CIRCUIT WIRING METHODS SHALL BE AS NOTED ON THE DRAWINGS AND/OR SPECIFICATIONS FOR THE APPLICABLE LOCATION. 2. "FLEX" DENOTES FINAL THREE FEET (MAXIMUM) OF RACEWAY SHALL BE FLEXIBLE METAL OR LIQUIDTIGHT METAL CONDUIT. 3. "CP" DENOTES FINAL CONNECTION TO BOX OR CONTROL PANEL PREWIRED TO THE EQUIPMENT. 4. "REC" PROVIDE RECEPTACLE IN THE NEMA CONFIGURATION NOTED. PROVIDE GFCI TYPE AT OUTDOOR LOCATIONS, KITCHEN AREAS, OR WITHIN 6'-0" OF A SINK. 5. "WP" INDICATES PROVIDE WEATHERPROOF INSTALLATION OF RACEWAY SYSTEM. 6. MOTOR-RATED SWITCH SHALL HAVE THERMAL OVERLOAD ELEMENTS SIZED PER THE MANUFACTURER'S RECOMMENDATIONS. 7. NOTES BELOW ARE OPTIONS WHICH SHALL BE SPECIFICALLY NOTED IN REMARKS FOR INCLUSION. 8. DISCONNECT PROVIDED INTEGRAL (PREWIRED) TO EQUIPMENT BY OTHERS. 9. PROVIDE MOTOR STARTER, SEE COMBINATION MOTOR STARTER SCHEDULE FOR MORE INFORMATION. 10. PROVIDE VARIABLE FREQUENCY DRIVE. REFER TO VFD SCHEDULE FOR MORE INFORMATION. 11. ELECTRICAL CONTRACTOR SHALL WIRE VIA ASSOCIATED CONTROL PANEL. 12. PROVIDE 120V POWER TO LEAK DETECTION FROM NEAREST RECEPTACLE CIRCUIT AND PROVIDE LOW VOLTAGE WIRING AS REQUIRED. 13. PROVIDE 30 MA GFCI CIRCUIT BREAKER FOR HEAT TRACE APPLICATIONS. 14. DISCONNECT SHALL BE PROVIDED. COORDINATE WITH MECHANICAL CONTRACTOR FOR REQUIRED CONTROLS. 15. PROVIDE WEATHERPROOF GFCI RECEPTACLE AND WEATHERPROOF LIGHT FIXTURE AT UNIT. SEE ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION. 16. INDOOR UNIT POWERED FROM OUTDOOR UNIT. WIRE PER THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE SERVICE SWITCH TO DISCONNECT ALL POWER AND CONTROL. 17. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 208V, SINGLE PHASE WITH 15A-2P CB POWER FOR EACH SHUTOFF VALVE KIT ASSOCIATED WITH UNIT. COORDINATE WITH MECHANICAL CONTRACTOR, EQUIPMENT MANUFACTURER AND OWNER ON ALL SHUTOFF VALVE KIT LOCATIONS. 18. CONTRACTOR TO COORDINATE LOCATION AND POWER CONNECTION NEEDED WITH MECHANICAL CONTRACTOR. 19. PROVIDE LINE VOLTAGE OUTDOOR WEATHERPROOF TEMPERATURE SENSOR TO DISABLE OPERATION WHEN OUTDOOR AIR IS GREATER THAN 45° F. ELECTRICAL CONTRACTOR SHALL WIRE TO EUH-1, THERMOSTAT AND OUTDOOR SENSOR.																							
XXX XX TAG#	DESCRIPTION	EQUIPMENT CHARACTERISTICS								PANEL/ CIRCUIT	CIRCUIT BREAKER SIZE	FEEDER AND CONDUIT	EQUIPMENT LOCATION	CONNECTION								NOTES	
		VOLTS	PHASE	FLA	MCA	MOCP	HP	KVA	CFM					FLEX	CP	REC.	S _T	DISCONNECT SWITCH					WP
																		SIZE	FUSE	POLE	NEMA		
CP-1	CONDENSATE PUMP (IDU-1F)	208	1	-	.50	-	-	0.104	-	PM1-72.74	15A-2P	2#12+1#12G IN 3/4"C	SEE FLOOR PLAN	Y	-	-	Y	-	-	-	-	-	14,18
CP-1	CONDENSATE PUMP (IDU-4D)	208	1	-	.50	-	-	0.104	-	PM1-76.78	15A-2P	2#12+1#12G IN 3/4"C	SEE FLOOR PLAN	Y	-	-	Y	-	-	-	-	-	14,18
CP-1	CONDENSATE PUMP (IDU-V)	208	1	-	.50	-	-	0.104	-	PM1-80.82	15A-2P	2#12+1#12G IN 3/4"C	SEE FLOOR PLAN	Y	-	-	Y	-	-	-	-	-	14,18
EBB-1	ELECTRIC BASEBOARD	208	1	-	1.8	15	-	0.376	-	PM1-2.4	15A-2P	2#12+1#12G IN 3/4"C	TOILET	Y	-	-	-	-	-	-	-	-	8
EBB-2	ELECTRIC BASEBOARD	208	1	-	6	15	-	1.25	-	PM1-36.38	15A-2P	2#12+1#12G IN 3/4"C	MEN'S RESTROOM SHOWER	Y	-	-	-	-	-	-	-	-	8
EBB-3	ELECTRIC BASEBOARD	208	1	-	6	15	-	1.25	-	PM1-39.41	15A-2P	2#12+1#12G IN 3/4"C	MEN'S RESTROOM SHOWER	Y	-	-	-	-	-	-	-	-	8
EUH-1	ELECTRIC UNIT HEATER	208	1	-	14.5	-	-	3	-	PM1-1.3	20A-2P	2#12+1#12G IN 3/4"C	BOILER ROOM	Y	-	-	-	-	-	-	-	-	8, 19
IDU-1A	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	1.6	15	-	-	-	PM1-16.18	15A-2P	2#12+1#12G IN 3/4"C	APPARATUS ROOM	Y	-	-	Y	-	-	-	-	-	-
IDU-1B	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	1.6	15	-	-	-	PM1-15.17	15A-2P	2#12+1#12G IN 3/4"C	APPARATUS ROOM	Y	-	-	Y	-	-	-	-	-	-
IDU-1C	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	1.6	15	-	-	-	PM1-12.14	15A-2P	2#12+1#12G IN 3/4"C	APPARATUS ROOM	Y	-	-	Y	-	-	-	-	-	-
IDU-1D	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	1.6	15	-	-	-	PM1-11.13	15A-2P	2#12+1#12G IN 3/4"C	APPARATUS ROOM	Y	-	-	Y	-	-	-	-	-	-
IDU-1F	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-6.8	15A-2P	2#12+1#12G IN 3/4"C	STORAGE ROOM	Y	-	-	Y	-	-	-	-	-	-
IDU-2A	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-48.50	15A-2P	2#12+1#12G IN 3/4"C	STAIRWAY	Y	-	-	Y	-	-	-	-	-	-
IDU-2B	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-47.49	15A-2P	2#12+1#12G IN 3/4"C	OFFICER'S ROOM	Y	-	-	Y	-	-	-	-	-	-
IDU-2C	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-44.46	15A-2P	2#12+1#12G IN 3/4"C	OFFICER'S ROOM	Y	-	-	Y	-	-	-	-	-	-
IDU-2D	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-20.22	15A-2P	2#12+1#12G IN 3/4"C	CORRIDOR	Y	-	-	Y	-	-	-	-	-	-
IDU-2E	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-24.26	15A-2P	2#12+1#12G IN 3/4"C	RECREATION ROOM	Y	-	-	Y	-	-	-	-	-	-
IDU-2F	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-25.27	15A-2P	2#12+1#12G IN 3/4"C	RECREATION ROOM	Y	-	-	Y	-	-	-	-	-	-
IDU-3A	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-51.53	15A-2P	2#12+1#12G IN 3/4"C	STORAGE ROOM	Y	-	-	Y	-	-	-	-	-	-
IDU-3B	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-67.69	15A-2P	2#12+1#12G IN 3/4"C	LOCKER ROOM	Y	-	-	Y	-	-	-	-	-	-
IDU-3C	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-43.45	15A-2P	2#12+1#12G IN 3/4"C	LOCKER ROOM	Y	-	-	Y	-	-	-	-	-	-
IDU-3D	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-40.42	15A-2P	2#12+1#12G IN 3/4"C	LOCKER ROOM	Y	-	-	Y	-	-	-	-	-	-
IDU-4A	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-33.35	15A-2P	2#12+1#12G IN 3/4"C	CORRIDOR	Y	-	-	Y	-	-	-	-	-	-
IDU-4B	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-32.34	15A-2P	2#12+1#12G IN 3/4"C	OFFICER'S ROOM 2	Y	-	-	Y	-	-	-	-	-	-
IDU-4C	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-29.31	15A-2P	2#12+1#12G IN 3/4"C	OFFICER'S ROOM 2	Y	-	-	Y	-	-	-	-	-	-
IDU-4D	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.4	15	-	-	-	PM1-28.30	15A-2P	2#12+1#12G IN 3/4"C	KITCHEN	Y	-	-	Y	-	-	-	-	-	-
IDU-5A	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-55.57	15A-2P	2#12+1#12G IN 3/4"C	PRIVATE QUARTERS SOUTH	Y	-	-	Y	-	-	-	-	-	-
IDU-5B	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.3	15	-	-	-	PM1-56.58	15A-2P	2#12+1#12G IN 3/4"C	PRIVATE QUARTERS SOUTH	Y	-	-	Y	-	-	-	-	-	-
IDU-5C	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.4	15	-	-	-	PM1-59.61	15A-2P	2#12+1#12G IN 3/4"C	DORMITORY	Y	-	-	Y	-	-	-	-	-	-
IDU-5D	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.4	15	-	-	-	PM1-60.62	15A-2P	2#12+1#12G IN 3/4"C	DORMITORY	Y	-	-	Y	-	-	-	-	-	-
IDU-5E	SPLIT SYSTEM EVAPORATING UNIT	208	1	-	0.4	15	-	-	-	PM1-63.65	15A-2P	2#12+1#12G IN 3/4"C	DORMITORY	Y	-	-	Y	-	-	-	-	-	-
IDU-V	HEATER	208	3	52.7	65.9	70	-	-	-	MDP	70A-3P	3#4+1#8G IN 1.25"C	SEE FLOOR PLAN	Y	-	-	-	100	70	3	3R	Y	-
IDU-V	UNIT	208	1	5.1	4.9	15	-	-	-	PM1-52.54	15A-2P	2#12+1#12G IN 3/4"C	SEE FLOOR PLAN	Y	-	-	-	30	15	2	3R	Y	-
ODU-1	SPLIT SYSTEM HEAT PUMP VRF UNIT	208	3	-	50	60	-	-	-	MDP	60A-3P	3#6+1#10G IN 1"C	SEE FLOOR PLAN	Y	-	-	-	60	60	3	3R	Y	-
ODU-2	SPLIT SYSTEM HEAT PUMP VRF UNIT	208	3	-	33	35	-	-	-	MDP	35A-3P	3#8+1#10G IN 3/4"C	SEE FLOOR PLAN	Y	-	-	-	60	35	3	3R	Y	-
ODU-3	SPLIT SYSTEM HEAT PUMP VRF UNIT	208	3	-	34.9	40	-	-	-	MDP	40A-3P	3#8+1#10G IN 3/4"C	SEE FLOOR PLAN	Y	-	-	-	60	40	3	3R	Y	-
ODU-V	SPLIT SYSTEM HEAT PUMP VRF UNIT	208	3	-	34.9	40	-	-	-	MDP	40A-3P	3#8+1#10G IN 3/4"C	SEE FLOOR PLAN	Y	-	-	-	60	40	3	3R	Y	-
SSVB-1	SAFETY SHUTOFF VALVE BOX	208	1	-	0.9	15	-	-	-	PM1-68.70	15A-2P	2#12+1#12G IN 3/4"C	SEE FLOOR PLAN	Y	-	-	Y	-	-	-	-	-	-
SSVB-2	SAFETY SHUTOFF VALVE BOX	208	1	-	0.9	15	-	-	-	PM1-68.70	15A-2P	2#12+1#12G IN 3/4"C	SEE FLOOR PLAN	Y	-	-	Y	-	-	-	-	-	-



FAN SCHEDULE

FAN NOTES:

1. BRANCH CIRCUIT WIRING METHODS SHALL BE AS NOTED ON THE DRAWINGS AND/OR SPECIFICATIONS FOR THE APPLICABLE LOCATION.

2. DISCONNECT PROVIDED INTEGRAL (PREWIRED) TO EQUIPMENT BY OTHERS.

3. PROVIDE MOTOR STARTER, SEE COMBINATION MOTOR STARTER SCHEDULE FOR MORE INFORMATION.

4. PROVIDE VARIABLE FREQUENCY DRIVE, REFER TO VFD SCHEDULE FOR MORE INFORMATION.

5. ELECTRICAL CONTRACTOR SHALL WIRE VIA ASSOCIATED CONTROL PANEL.

6. PROVIDE 120V POWER TO LEAK DETECTION FROM NEAREST RECEPTACLE CIRCUIT AND PROVIDE LOW VOLTAGE WIRING AS REQUIRED.

7. PROVIDE 30 MA GFCI CIRCUIT BREAKER FOR HEAT TRACE APPLICATIONS.

8. WIRE TO INTERVAL TIME SWITCH (12-HOUR) WITH BLINK WARNING. SENSORWORK #SWX-12H. COORDINATE WITH MECHANICAL CONTRACTOR AS REQUIRED.

9. PROVIDE WEATHERPROOF GFCI RECEPTACLE AND WEATHERPROOF LIGHT FIXTURE AT UNIT. SEE ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION.

10. COORDINATE WITH MECHANICAL CONTRACTOR FOR REQUIRED CONTROLS.

XXX XX TAG#	AREA SERVED	EQUIPMENT CHARACTERISTICS						FEEDER AND CONDUIT	PANEL/ CIRCUIT	CIRCUIT BREAKER SIZE	NOTES
		VOLTS	PHASE	MCA	MOCP	HP	CFM				
CEF-1	TOILET	120	1	1.33	15	-	75	2#12-1#12G IN 3/4"	PM1-5	15A-1P	2.8
CEF-2	JAN 1	120	1	1.33	15	-	75	2#12-1#12G IN 3/4"	PM1-10	15A-1P	2.8
CEF-3	BATHROOM 2	120	1	1.33	15	-	75	2#12-1#12G IN 3/4"	PM1-66	15A-1P	2.8
EF-1	WASH ROOM	120	1	3.11	15	-	375	2#12-1#12G IN 3/4"	PM1-37	15A-1P	2.8
EF-2	EQUIPMENT ROOM	115	1	1.8	15	-	300	2#12-1#12G IN 3/4"	PM1-7	15A-1P	2.8
VF-1	APPARATUS BAY	115	1	8.2	15	-	1000	2#12-1#12G IN 3/4"	PM1-9	15A-1P	2.10

LEGEND OF FEEDER SIZES COPPER CONDUCTORS (90 DEGREE CELSIUS)						
FEEDER SYMBOL	CONDUCTORS (3 PHASE, 3 WIRE) WITH GROUND	RACEWAY SIZE CONDUIT	CONDUCTORS (3 PHASE, 4 WIRE) WITH GROUND	RACEWAY SIZE CONDUIT	NOMINAL AMPERE RATING	
C1	3#6 & 1#10G.	3/4"			50	
C2			4#6 & 1#10G.	1"		
C3	3#6 & 1#10G.	3/4"			60	
C4			4#6 & 1#10G.	1"		
C5	3#4 & 1#8G.	1"			70	
C6			4#4 & 1#8G.	1.25"		
C7	3#2 & 1#8G.	1.5"			100	
C8			4#2 & 1#8G.	1.5"		
C9	3#1 & 1#6G.	1.5"			125	
C10			4#1 & 1#6G.	1.5"		
C11	3#1/0 & 1#6G.	1.5"			150	
C12			4#1/0 & 1#6G.	2"		
C13	3#2/0 & 1#6G.	2"			175	
C14			4#2/0 & 1#6G.	2"		
C15	3#3/0 & 1#6G.	2"			200	
C16			4#3/0 & 1#6G.	2"		
C17	3#4/0 & 1#4G.	2"			225	
C18			4#4/0 & 1#4G.	2.5"		
C19	3#250 KCMIL & 1#4G.	2.5"			250	
C20			4#250 KCMIL & 1#4G.	2.5"		
C21	3#350 KCMIL & 1#4G.	3"			300	
C22			4#350 KCMIL & 1#4G.	3"		
C23	3#500 KCMIL & 1#3G.	3.5"			350	
C24			4#500 KCMIL & 1#3G.	4"		
C25	3#600 KCMIL & 1#3G.	3.5"			400	
C26			4#600 KCMIL & 1#3G.	4"		
C27	2 SETS (3#250 KCMIL & 1#2G.)	(2) 2.5"			500	
C28			2 SETS (4#250 KCMIL & 1#2G.)	(2) 3"		
C29	2 SETS (3#350 KCMIL & 1#1G.)	(2) 3"			600	
C30			2 SETS (4#350 KCMIL & 1#1G.)	(2) 3"		
C31	2 SETS (3#600 KCMIL & 1#1/0G.)	(2) 3.5"			800	
C32			2 SETS (4#600 KCMIL & 1#1/0G.)	(2) 4"		
C33	3 SETS (3#400 KCMIL & 1#2/0G.)	(3) 3"			1000	
C34			3 SETS (4#400 KCMIL & 1#2/0G.)	(3) 3"		
C35	3 SETS (3#600 KCMIL & 1#3/0G.)	(3) 3.5"			1200	
C36			3 SETS (4#600 KCMIL & 1#3/0G.)	(3) 4"		
C37	4 SETS (3#600 KCMIL & 1#4/0G.)	(4) 3.5"			1600	
C38			4 SETS (4#600 KCMIL & 1#4/0G.)	(4) 4"		
C39	5 SETS (3#600 KCMIL & 1#250 KCMIL G.)	(5) 3.5"			2000	
C40			5 SETS (4#600 KCMIL & 1#250 KCMIL G.)	(5) 4"		
C41	6 SETS (3#600 KCMIL & 1#350 KCMIL G.)	(6) 3.5"			2500	
C42			6 SETS (4#600 KCMIL & 1#350 KCMIL G.)	(6) 4"		
C43	8 SETS (3#600 KCMIL & 1#400 KCMIL G.)	(8) 3.5"			3000	
C44			8 SETS (4#600 KCMIL & 1 #400KCMIL G.)	(8) 4"		
C45	10 SETS (3#600 KCMIL & 1#500 KCMIL G.)	(10) 3.5"			4000	
C46			10 SETS (4#600 KCMIL & 1 #500KCMIL G.)	(10) 4"		

NOTES:

1.

CONDUCTOR SIZES FOR THE ASSOCIATED NOMINAL AMPERE RATING ARE THE MINIMUM ALLOWED BASED UPON NEC TABLE 310.15(B)(16) WITH NO GREATER THAN THREE CURRENT CARRYING CONDUCTORS PER RACEWAY IN AN AMBIENT NOT TO EXCEED 30 DEGREES C. FEEDER TAGS MAY BE OVSIZED FOR THE ASSOCIATED OVERCURRENT PROTECTION TO ACCOUNT FOR DERATING FACTORS OR LIMIT VOLTAGE DROP.

2.

RACEWAY SIZES ARE THE MINIMUM ALLOWED BASED UPON NEC TABLE C1 FOR THHN/THWN CONDUCTORS IN EMT. RACEWAY SIZES SHALL BE INCREASED TO ACCOMMODATE DIFFERING INSULATION SYSTEMS AND RACEWAY TYPES TO LIMIT RACEWAY FILL TO LESS THAN 40%.

3.

FEEDERS DESIGNATED IN MULTIPLE SETS SHALL HAVE THE REQUIRED SETS INSTALLED IN PARALLEL.