

HVAC LEGEND

AHU-1	EQUIPMENT TAG	SR-1	AIR DEVICE TAG. TOP LINE INDICATES TYPE OF DEVICE BOTTOM LINE INDICATES AIRFLOW IN CFM
	DETAIL TAG ("1" INDICATES IDENTIFICATION NUMBER; "M3" INDICATES THE SHEET NUMBER DRAWN ON)	(2)SR-1	AIR DEVICE TAG. TOP LINE INDICATES TYPE OF DEVICE BOTTOM LINE INDICATES AIRFLOW IN CFM (2) INDICATES TYPICAL OF TWO DEVICES
	SHEET NOTE	TYP	TYPICAL
	SUPPLY DUCT SECTION POSITIVE PRESSURE	TEMP	TEMPERATURE
	RETURN OR EXHAUST DUCT NEGATIVE PRESSURE	SA	SUPPLY AIR
	RECTANGULAR DUCT SIZE ("A" INDICATES SIDE SHOWN; "B" INDICATES SIDE NOT SHOWN)	RA	RETURN AIR
	INDICATES RISE IN ELEVATION OF DUCT.	EA	EXHAUST AIR
	EXTERNALLY INSULATED DUCTWORK	MA	MIXED AIR
	EXTERNALLY INSULATED ROUND FLEXIBLE DUCTWORK	OA	OUTDOOR AIR
	DUCT ELBOW WITH TURNING VANES	TA	TRANSFER AIR
	RADIUSUED DUCT ELBOW SHALL BE 1.5 TIMES THE TURNING DIMENSION	EF	EXHAUST FAN
	FLEXIBLE DUCT CONNECTION	CD	CEILING DIFFUSER
	MANUAL VOLUME BALANCING DAMPER	RG	RETURN GRILLE
	MOTORIZED DAMPER	EG	EXHAUST GRILLE
	FIRE DAMPER WITH ACCESS DOORS	ER	EXHAUST REGISTER
	SMOKE DAMPER WITH ACCESS DOORS	CREF	CEILING ROOF EXHAUST FAN
	BACKDRAFT DAMPER	AHU	INDOOR AIR HANDLING UNIT
	TEE WITH TURNING VANES	HP	HEAT PUMP
	TRANSITION	OAU	OUTSIDE AIR UNIT
	FLEX DUCT TAKE OFF WITH MVD SIZE EQUALS DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE	①	THERMOSTAT, "1" INDICATES UNIT CONTROLLED
	BRANCH DUCT TAKEOFF WITH MVD	⑤	DUCT MOUNTED SMOKE DETECTOR
	INTERNALLY INSULATED DUCTWORK	UC	UNDERCUT DOOR 3/4"
		DG	DOOR GRILLE, REFER TO DOOR SCHEDULE
		AFF	ABOVE FINISHED FLOOR
			FIRE DAMPER AT CEILING DIFFUSER OR GRILLE
		XFR	TRANSFER AIR
		ESP	EXTERNAL STATIC PRESSURE
		DDC	DIRECT DIGITAL CONTROLS
		TAB	TESTING, ADJUSTING, AND BALANCING
		NOM	NOMINAL
		VFD	VARIABLE FREQUENCY DRIVE
		WM	DUCTLESS FCU - WALL MOUNTED UNIT

GENERAL NOTES

- ALL DUCT DIMENSIONS ARE NET INSIDE.
- VERIFY COLLAR SIZES ON ALL AIR TERMINALS, EQUIPMENT OUTLETS AND INLETS, TRANSITION DUCTWORK AS NECESSARY. EXTERNALLY INSULATE TRANSITIONS AT EQUIPMENT CONNECTIONS.
- FIELD VERIFY CLEAR SPACE AVAILABLE, ROUTING PATH, AND CONFLICTS WITH STRUCTURE AND THE WORK OF OTHER TRADES PRIOR TO FABRICATING DUCTWORK. PROVIDE OFFSETS IN DUCTWORK AS REQUIRED, WHETHER SPECIFICALLY INDICATED ON DRAWINGS OR NOT. SUBMIT SHOP DRAWINGS ON DUCTWORK LAYOUT PRIOR TO COMMENCING WORK. MAINTAIN CLEARANCE AROUND ALL LIGHT FIXTURES AS REQUIRED TO REMOVE AND SERVICE FIXTURES. COORDINATE WITH ROOF TRUSSES/STRUCTURE. PRESSURE TEST ALL DUCTWORK FOR LEAKS. SEE SPECIFICATIONS.
- CONTRACTOR SHALL INSTALL ALL EQUIPMENT, PIPING, AND DUCTWORK SUCH THAT MANUFACTURERS' RECOMMENDED CLEARANCES ARE MET FOR ALL ACCESS PANELS, MOTORS, FANS, BELTS, FILTERS AND AIR INTAKES. CONDENSATE LINES SHALL BE CLEAR OF FILTER RACK ACCESS.
- PROVIDE DUCT FLEX CONNECTIONS & VIBRATION ISOLATION FOR ALL UNITS NOT INTERNALLY ISOLATED.
- ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10 FT. FROM ANY WASTE VENT STACKS, EXHAUST FANS, ETC.
- ALL SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR INTAKE DUCTWORK SHALL BE GALVANIZED SHEET METAL.
- ALL AHU FILTERS SHALL BE OF A READILY AVAILABLE SIZE, OF DISPOSABLE TYPE, AND BE ACCESSIBLE WITHOUT THE USE OF SCREWS OR OTHER MECHANICAL DEVICES REQUIRING TOOLS.
- PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED FOR MAINTENANCE AND ADJUSTMENT OF EQUIPMENT LOCATED ABOVE CEILING.
- ALL BIRD AND INSECT SCREENS SHALL BE ANODIZED ALUMINUM.
- BECAUSE OF THE SMALL SCALE OF CONTRACT DOCUMENTS IT IS NOT POSSIBLE TO SHOW ALL OFFSETS, TRANSITIONS, ETC. THE CONTRACT DOCUMENTS ARE ESSENTIALLY DIAGRAMATIC. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS COORDINATED WITH THE STRUCTURE AND ARCHITECTURAL WORK FOR REVIEW PRIOR TO COMMENCING WORK
- ALL WORK SHALL COMPLY WITH 2023 FLORIDA BUILDING CODE.

SEQUENCE OF OPERATION

GENERAL: PROVIDE A PROGRAMMABLE THERMOSTAT WITH HUMIDITY CONTROL, OCCUPIED/UNOCCUPIED SETPOINTS, AND SCHEDULE FUNCTIONS.

TYPICAL AHU/HP:

OCCUPIED MODE: THE INDOOR FAN SHALL RUN CONTINUOUSLY. THE HP SHALL CYCLE TO MAINTAIN SPACE TEMPERATURE. THE ELECTRIC HEAT SHALL BE AVAILABLE AS EMERGENCY HEAT AND AN ADDITIONAL STAGE OF HEAT WHEN THE OUTDOOR AIR TEMPERATURE FALLS BELOW 35°F. THE SETPOINT FOR COOLING SHALL BE 75° F ADJUSTABLE. THE SETPOINT FOR HEATING SHALL BE 70° F ADJUSTABLE. THE AUTOMATIC OUTSIDE DAMPER SHALL REMAIN OPEN WHENEVER THE COMPRESSOR IS OPERATING.

UNOCCUPIED MODE: THE INDOOR FAN AND HP OR ELECTRIC HEAT SHALL CYCLE TO MAINTAIN SETPOINT TEMPERATURE. THE SETPOINT FOR COOLING SHALL BE 80° F ADJUSTABLE. THE SETPOINT FOR HEATING SHALL BE 60°F ADJUSTABLE.

OVERRIDE MODE: THE OVERRIDE MODE SHALL PLACE THE SYSTEM IN OCCUPIED MODE.

FAN SCHEDULE													
UNIT	TYPE	CFM	MAX. FAN RPM	ESP (IN. H2O)	MAX. MOTOR POWER	SONES/ALB (MAX)	BASIS OF DESIGN	MODEL	CONTROL	ELECTRICAL VOLTS/PHASE	NOTES		
EF-1	CEILING	70	960	0.29	14 W	2.5	GREENHECK	SP-A390-VG	INTERLOCK WITH LIGHTS	120/1	1,2,3,4,5,6		
EF-2	CEILING	70	960	0.29	14 W	2.5	GREENHECK	SP-A390-VG	INTERLOCK WITH LIGHTS	120/1	1,2,3,4,5,6		
EF-3	CEILING	70	960	0.29	14 W	2.5	GREENHECK	SP-A390-VG	INTERLOCK WITH LIGHTS	120/1	1,2,3,4,5,6		
EF-4	CEILING	70	960	0.29	14 W	2.5	GREENHECK	SP-A390-VG	INTERLOCK WITH LIGHTS	120/1	1,2,3,4,5,6		

- PROVIDE DISCONNECT
- PROVIDE SOLID STATE SPEED CONTROLLER
- PROVIDE BACKDRAFT DAMPER
- PROVIDE THERMAL OVERLOAD
- PROVIDE DIRECT DRIVE FAN WITH EC MOTOR.
- PROVIDE RUBBER IN SHEAR VIBRATION ISOLATION.

AIR DEVICE SCHEDULE				
MARK	MAX AIRFLOW CFM	AIR DEVICE SIZE	DUCT CONNECTION SIZE	TITUS MODEL
CD-1 CFM	80	9x9	6Ø	TDC
CD-2 CFM	245	12x12	8Ø	TDC
CD-3 CFM	350	12x12	10Ø	TDC
SWG-1 CFM	60	6x6	6x6	272RL
RG,EG,SG,IG,RR,ER				
xx-1 CFM	450	12x12	12x12	350FL
xx-2 CFM	1705	22x22	22x22	350FL

- NOTES:
- MAX NC=20
 - PROVIDE 2x2 LAY IN PANEL FOR AIR DEVICES IN LAY IN CEILINGS.
 - PROVIDE BEVELED MOUNTING FRAME FOR CEILING DIFFUSERS IN HARD CEILINGS.
 - PROVIDE FLAT MOUNTING FRAME FOR GRILLES LOCATED IN HARD CEILINGS.
 - PAINT ALL DUCT VISIBLE THROUGH GRILLES FLAT BLACK.

GRAVITY VENTILATOR SCHEDULE				
UNIT	THROAT SIZE	BASIS OF DESIGN	MODEL	NOTES
GV-1	0.57	GREENHECK	GRSI 10	1,2,3
GV-2	0.37	GREENHECK	GRSI 8	1,2,3

- PROVIDE ROOF CURB.
- PROVIDE ALUMINUM BIRDSCREEN.
- PROVIDE WITH AND INSTALL IN ACCORDANCE WITH FLORIDA PRODUCT APPROVAL.

SPLIT SYSTEM HEAT PUMP SCHEDULE																							
UNIT AHU/HP	BASIS OF DESIGN	MODEL HP/AHU	SA (CFM)	OA (CFM)	ESP (IN.H2O)	FAN (HP)	COOLING					HEATING				SUPPL. HEAT (KW)	AHU ELECTRICAL			HP ELECTRICAL			NOTES
							MAT" (DB/WB)	OAT" (DB/WB)	TOTAL (BTUH)	SENSIBLE (BTUH)	SEER	MAT" (DB)	OAT" (DB)	TOTAL (BTUH)	HSPF		VOLTS/PHASE	MCA	MOP	VOLTS/PHASE	MCA	MOP	
1	TRANE	5TWR4042A1/5TEM6D05AV41	1120	150	0.76	1/3 HP	75.2/64.4	95/78	36445	23840	14.30	60	25	27645	7.50	7.2	208/1	49	50	230/1	24	40	1,2,3,4,5,6,7,8
2	TRANE	5TWR4030A1/5TEM4B03AC71	810	100	0.70	1/8 HP	74.8/63.0	95/78	24650	17725	14.30	60	25	18920	7.50	7.2	208/1	48	50	230/1	16	25	1,2,3,4,5,6,7,8
3	TRANE	5TWR4036A1/5TEM6D04AV31	1125	80	0.74	1/8 HP	73.8/61.8	95/78	30630	25010	14.30	60	25	22970	7.50	7.2	208/1	49	50	230/1	19	30	1,2,3,4,5,6,7,8
4	TRANE	5TWR4030A1/5TEM6D05AV41	995	65	0.70	1/8 HP	73.6/61.4	95/78	25500	21010	14.30	60	25	18730	7.50	7.2	208/1	49	50	230/1	16	25	1,2,3,4,5,6,7,8

- PROVIDE 2" 30% FILTERS AND FILTER HOUSING SHOWN IN DETAILS.
- EFFICIENCIES IN ACCORDANCE WITH ARI STANDARD 210/240.
- ESP DOES NOT INCLUDE FILTER, CASING, ETC.
- PROVIDE CONTROL KIT TO INCLUDE BLOWER CONTACTOR OR STARTER, TRANSFORMER, ELECTRIC HEATER INTERLOCKS. ELECTRICAL SERVICE SHALL BE A SINGLE POINT OF CONNECTION.
- PROVIDE THERMAL EXPANSION VALVES.
- DIRECT DRIVE AHU FAN.
- COOLING CAPACITY IS NET AND DOES NOT INCLUDE FAN HEAT.
- PROVIDE UNIT MOUNTED CIRCUIT BREAKER FOR INDOOR AIR HANDLERS.



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Florida License Number: 52507
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Project Number: 2025-069
Checked By: SLJ
Drawn By: YOJ



FIRE STATION 3
585 BROOKMEADE DR,
CRESTVIEW, FL 32539

SEAL

REVIEW SET
NOT FOR CONSTRUCTION

No.	Description	Date

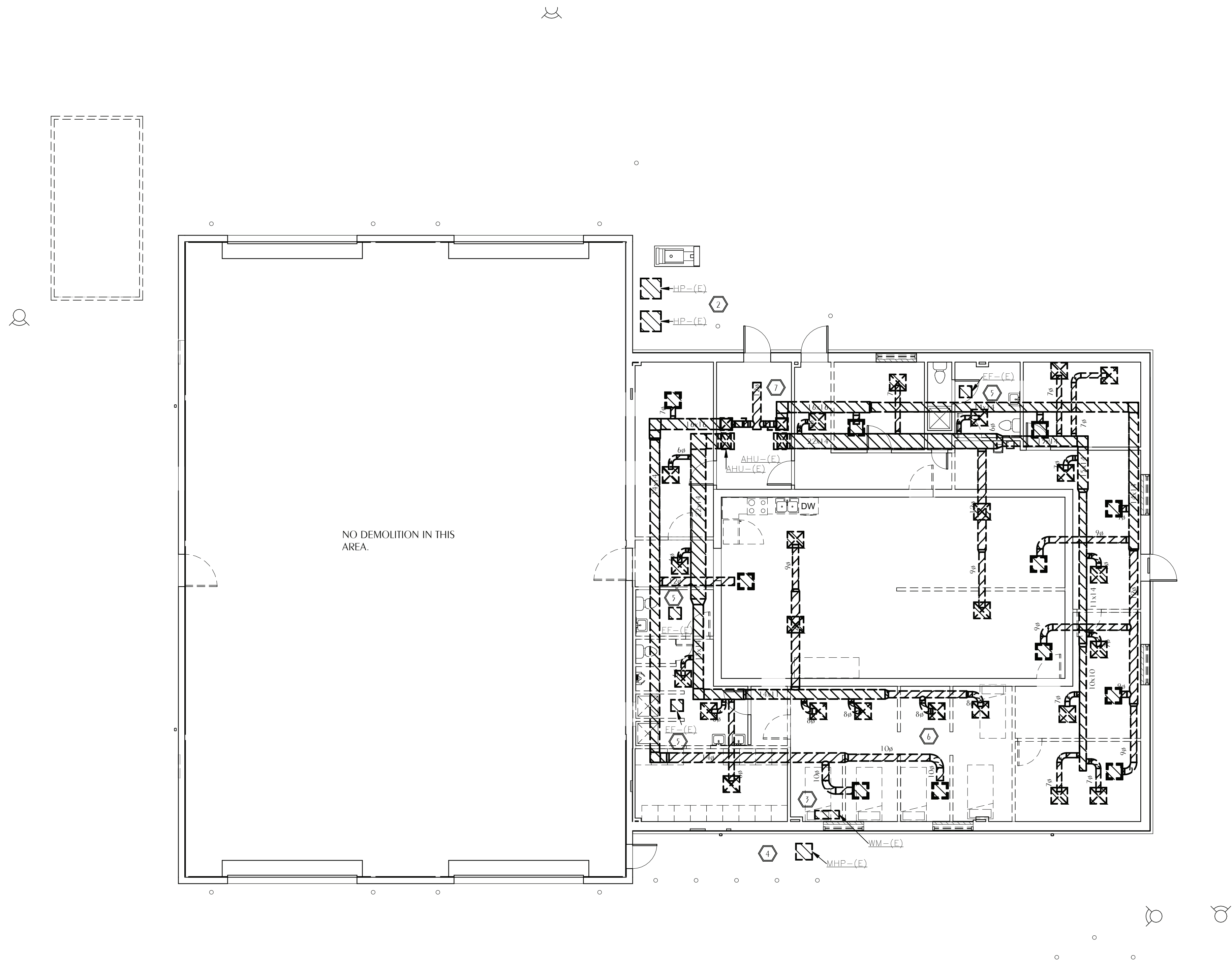
LEGEND,
SCHEDULE,
NOTES, AND
DETAILS


Date 12/19/2025

Drawn By YOJ

Checked By SLJ

M001



 **1** MECHANICAL DEMOLITION PLAN
M101 SCALE: 1/8" = 1'-0"

SHEET NOTES

- 1 DISCONNECT DUCTWORK AND PIPING AND REMOVE NATURAL GAS FURNACE ALONG WITH METAL STAND AND ALL ASSOCIATED REFRIGERANT PIPING, GAS PIPING, METAL FLUE, COMBUSTION AIR DUCTWORK, AND ACCESSORIES AND CONTROLS. COORDINATE WITH THE GENERAL CONTRACTOR IN THE FIELD.
- 2 REMOVE CONDENSING UNITS ALONG WITH ALL ASSOCIATED REFRIGERANT PIPING. ABANDON UNDERGROUND REFRIGERANT PIPE CHASES IN PLACE AND SEAL INDOOR AND OUTDOOR ENDS.
- 3 REMOVE WALL-MOUNT MINI-SPLIT INDOOR UNIT ALONG WITH ALL ASSOCIATED REFRIGERANT PIPING, CONDENSATE DRAIN LINE, AND ACCESSORIES.
- 4 REMOVE MINI-SPLIT OUTDOOR UNIT ALONG WITH ALL ASSOCIATED REFRIGERANT PIPING, ACCESSORIES AND CONTROLS. COORDINATE SEALING OF EXTERIOR WALL WITH THE GENERAL CONTRACTOR IN THE FIELD.
- 5 DISCONNECT DUCTWORK AND REMOVE CEILING-MOUNTED EXHAUST FAN.
- 6 REMOVE WALL-MOUNTED TRANSFER FAN.
- 7 REMOVE ALL SUPPLY, RETURN, EXHAUST, AND OUTSIDE AIR DUCTWORK, HANGERS, ACCESORIES, FITTINGS, FLEXIBLE DUCT, AND AIR TERMINAL DEVICES.

NOTE:
EXISTING HVAC SYSTEMS AND EQUIPMENT SHOWN ARE BASED ON ORIGINAL CONSTRUCTION DOCUMENTS AND NON-DESTRUCTIVE SITE INVESTIGATION. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO VERIFY LOCATION, SIZE, AND QUANTITY OF ITEMS TO BE REMOVED.



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No.	Description	Date

MECHANICAL
DEMOLITION
FLOOR PLAN

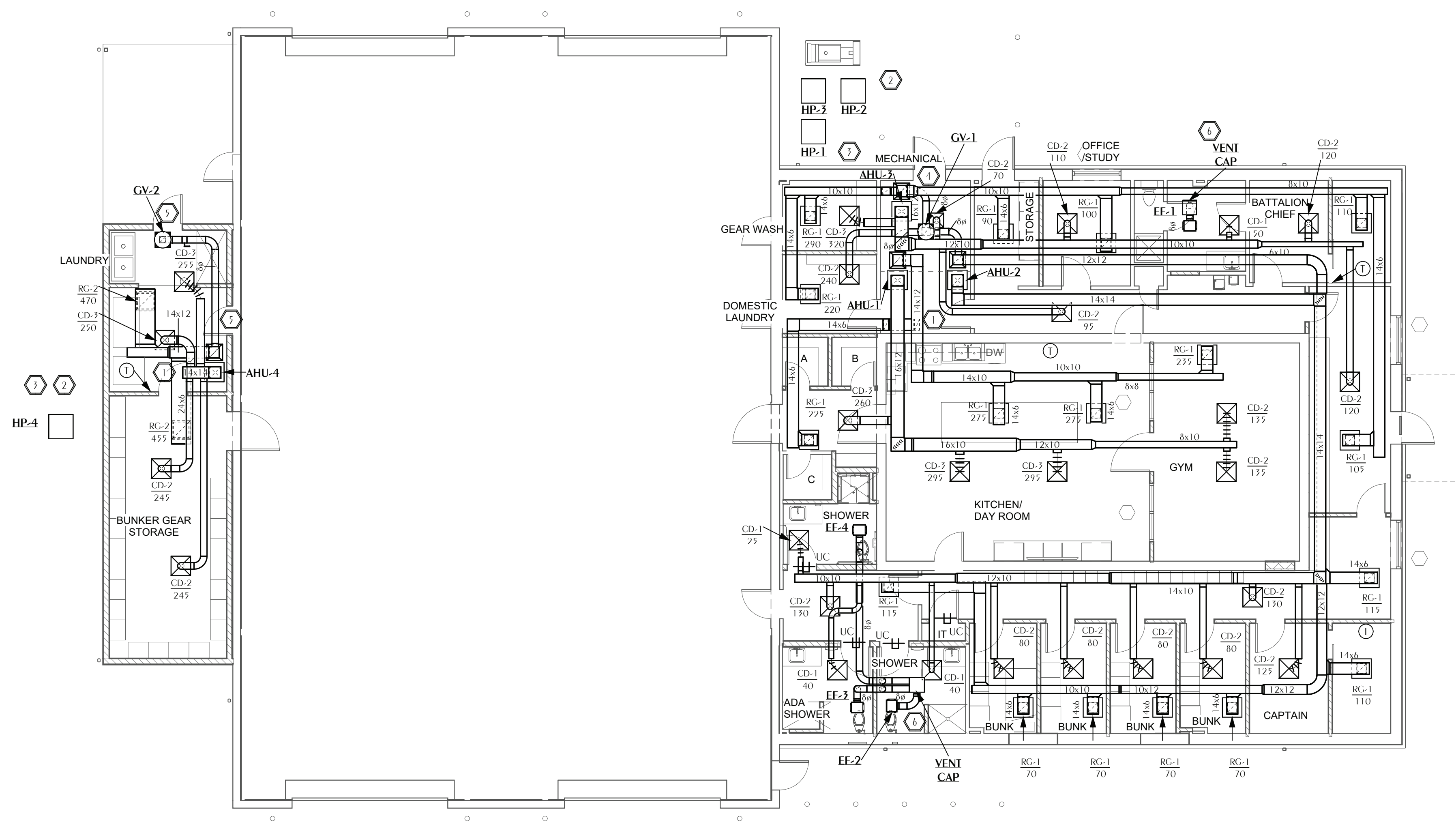
Date 12/19/2025
Drawn By YOJ
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M101



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Project Number: 2025-069
Checked By: SLD
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 **2 MECHANICAL NEW WORK FLOOR PLAN**
PROJECT NORTH TRUE NORTH
SCALE: 1/8" = 1'-0"

SHEET NOTES

1. INSTALL AIR HANDLING UNIT ON MIXED AIR PLENUM. PROVIDE MANUAL VOLUME DAMPER IN VERTICAL RETURN AIR DUCT AND AUTOMATIC CONTROL DAMPER IN VERTICAL OUTSIDE AIR DUCT. SEE VERTICAL UPFLOW AHU DETAIL ON SHEET M201.
2. IF NOT ALREADY PRESENT, PROVIDE CONCRETE EQUIPMENT PAD MINIMUM 3" LARGER THAN EQUIPMENT PROVIDED ON ALL SIDES AND MINIMUM 3" ABOVE GRADE. SECURE EQUIPMENT PER ITS MANUFACTURER'S RECOMMENDATIONS. POSITION OUTDOOR UNITS SO THAT WATER DOES NOT RUN OFF THE ROOF DIRECTLY ONTO EACH UNIT. MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES AROUND ALL OUTDOOR UNITS.
3. ROUTE REFRIGERANT PIPING UP INSIDE WALL TO APPROPRIATE AIR HANDLING UNIT. CONNECT INDOOR AND OUTDOOR UNITS PER THE MANUFACTURER'S RECOMMENDATIONS. INSULATE THE ENTIRE LENGTH OF SUCTION PIPING WITH MINIMUM 3/4" THICK FLEXIBLE UNICELLULAR INSULATION. CONTRACTOR SHALL DETERMINE BEST ROUTING IN THE FIELD COORDINATING WITH ALL OTHER TRADES.
4. ROUTE 10" DIAMETER AIR DUCT UP THROUGH ROOF AND TERMINATE WITH GREENHECK GRSI 10 INTAKE VENTILATOR OR APPROVED EQUIVALENT.
5. ROUTE 8" DIAMETER OUTSIDE AIR DUCT UP THROUGH ROOF AND TERMINATE WITH GREENHECK GRSI 8 INTAKE VENTILATOR OR APPROVED EQUIVALENT.
6. ROUTE 6" DIAMETER EXHAUST DUCT UP THROUGH ROOF AND TERMINATE WITH APPROVED ROOF CAP.



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No.	Description	Date

**MECHANICAL
NEW WORK
FLOOR PLAN**

Date 12/19/2025
Drawn By YOJ
Checked By SLD

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M102



FIRE STATION 3
585 BROOKMEADE DR,
CRESTVIEW, FL 32539

SEAL

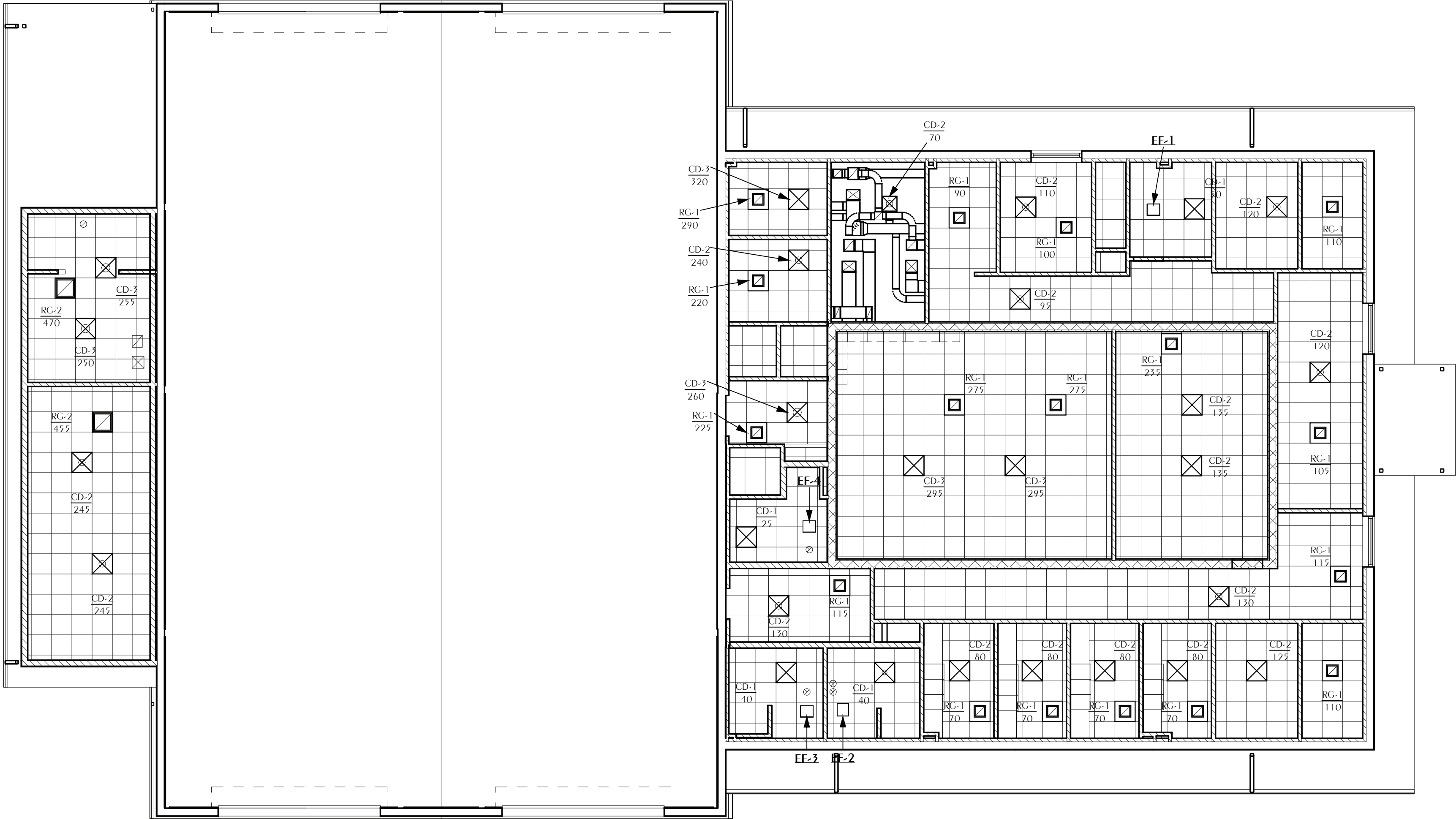
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No.	Description	Date

MECHANICAL
NEW WORK
CEILING PLAN

Date	12/19/2025
Drawn By	YOJ
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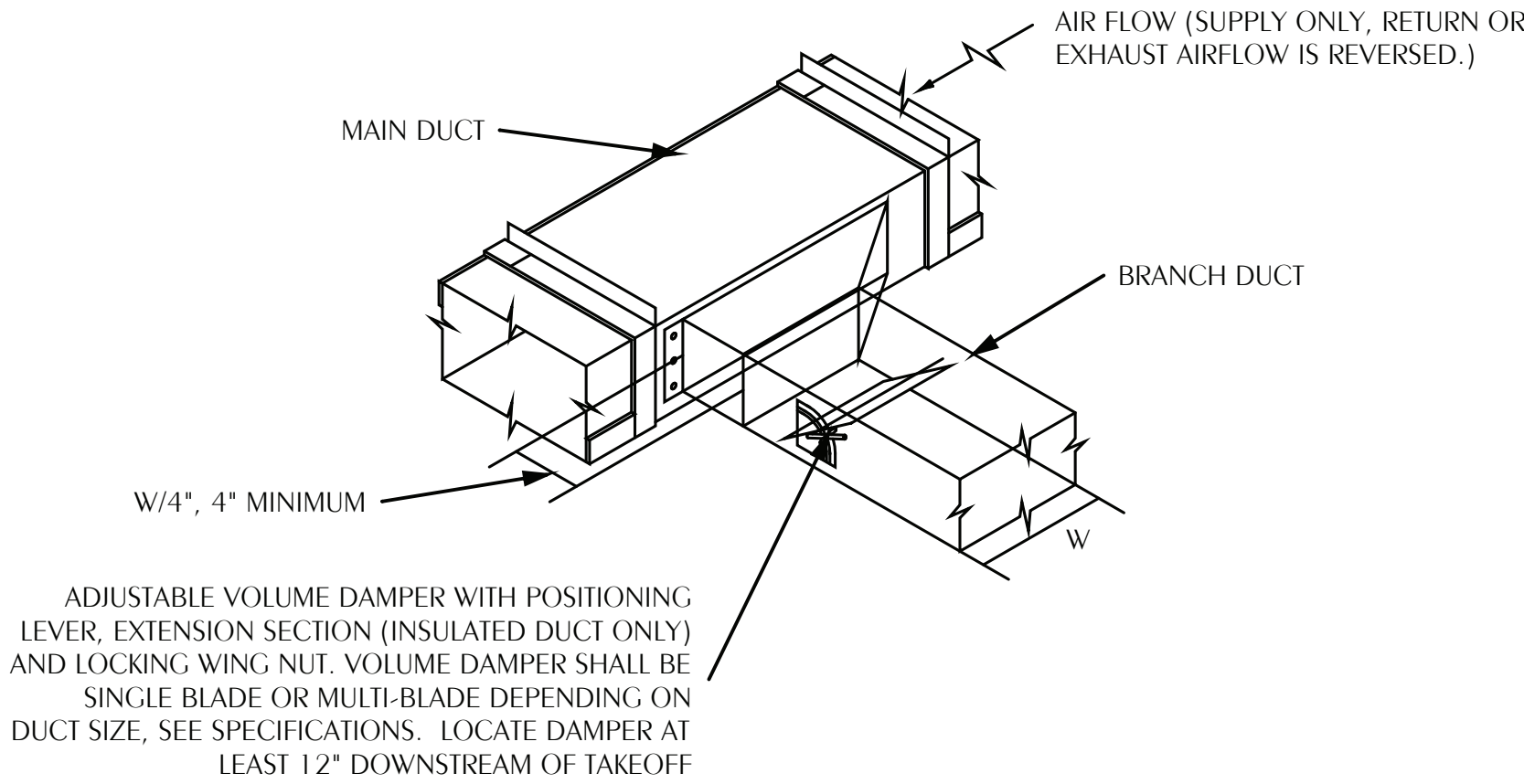
M103



 **1** MECHANICAL NEW WORK CEILING PLAN
PROJECT NORTH TRUE NORTH
M103 SCALE: 1/8" = 1'-0"



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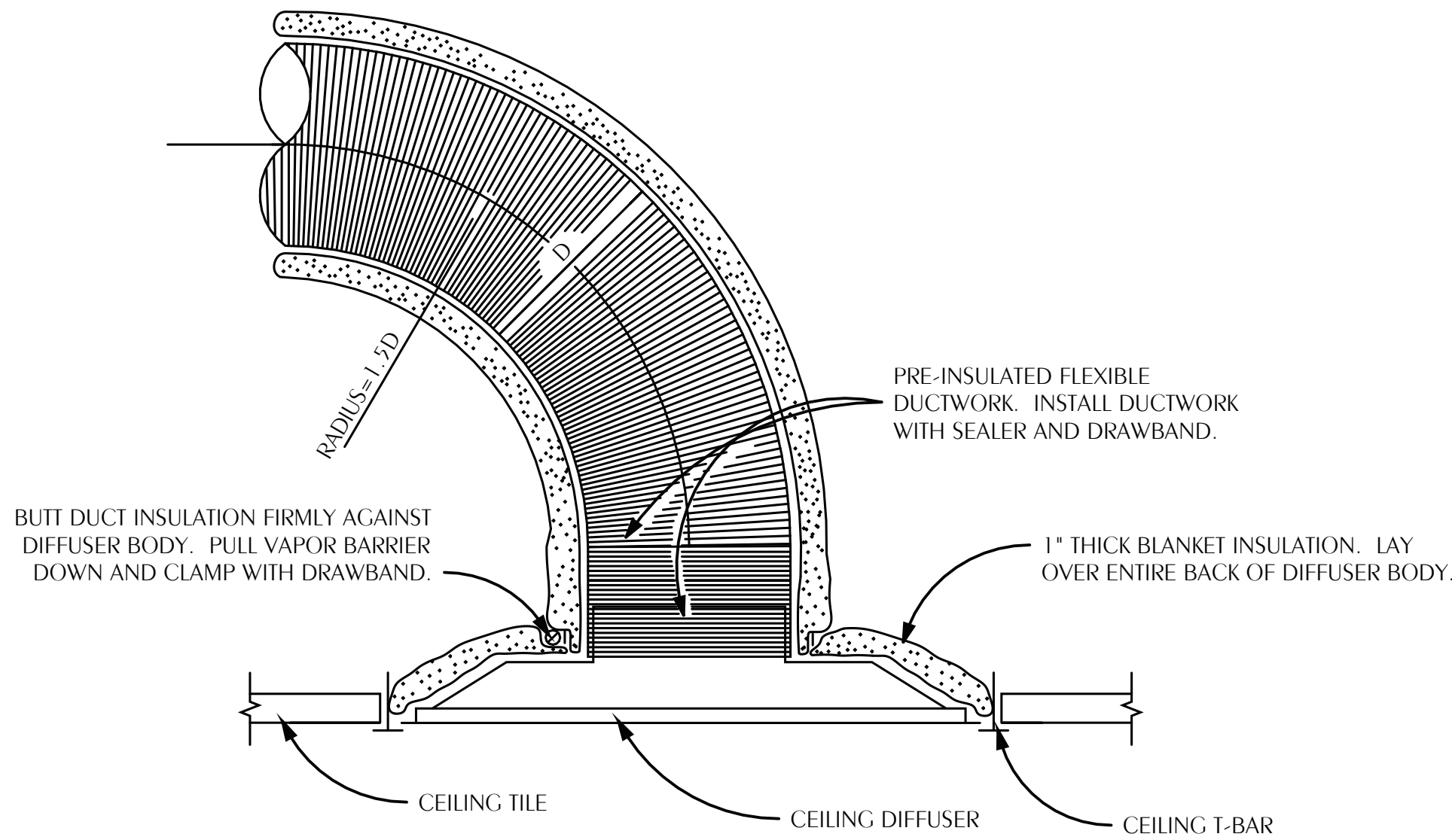


NOTES:

PROVIDE REMOTE CABLE ACTUATOR FOR AIR DEVICE IN HARD CEILINGS WITHOUT ACCESS. MOUNT ACTUATOR IN FACE OF AIR DEVICE.

FLEXIBLE INSULATION SHALL BE 2" THICK, ASTM C553, TYPE I, CLASS B-3 WITH 1 PCF DENSITY AND UL RATED ALUMINUM FOIL VAPOR BARRIER (FSK)

1 TYPICAL BRANCH DUCT TAKEOFF
M201 SCALE: NONE



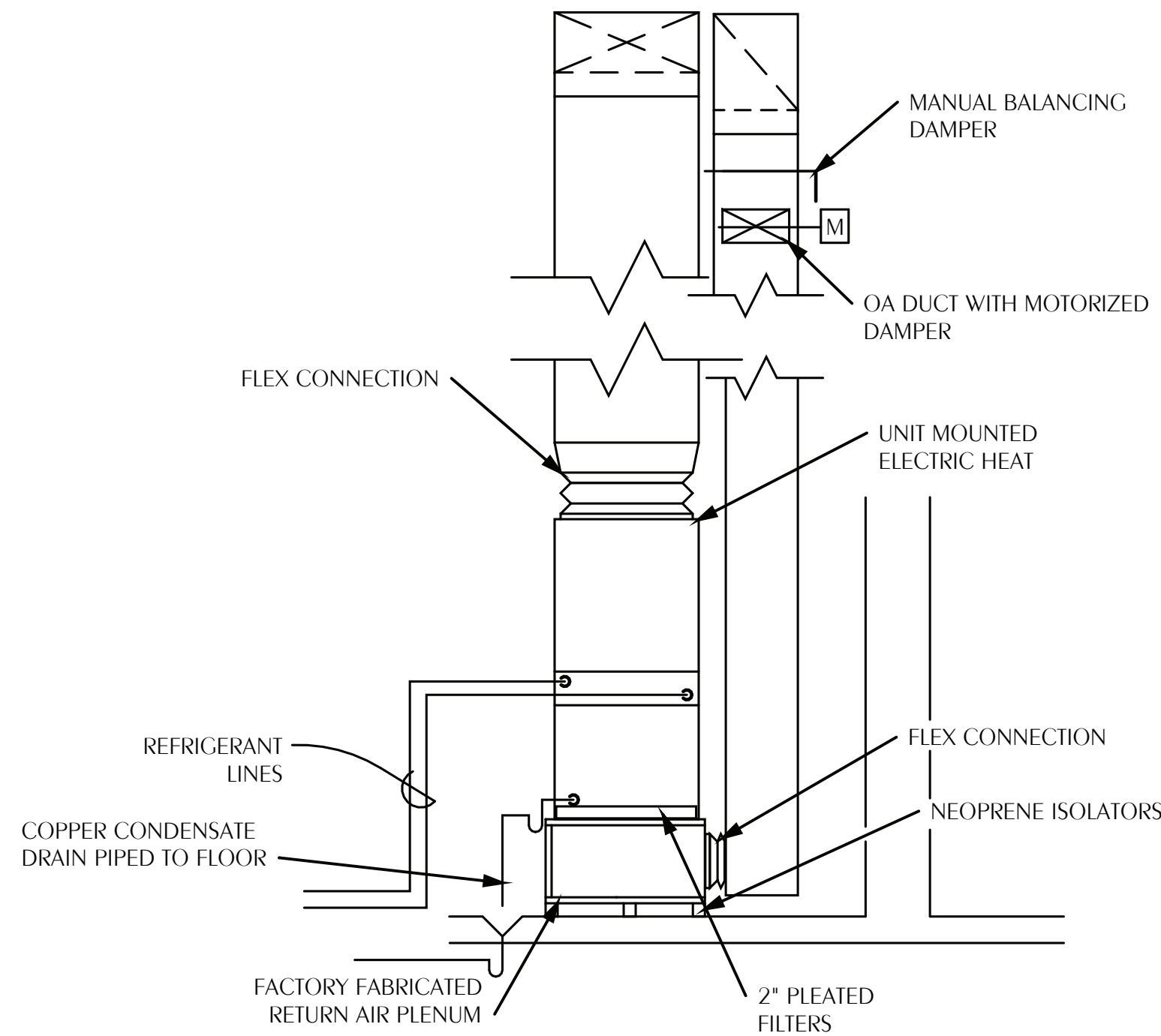
NOTES:

FLEX DUCT SHALL BE NO LONGER THAN 5'-0". FLEXIBLE DUCT SHALL HAVE REINFORCED, METALIZED POLYESTER JACKET WITH NO FIBERGLASS EROSION IN THE AIRSTREAM AND AN ENCAPSULATED WIRE HELIX. FLEX DUCT SHALL HAVE OPERATING PRESSURE OF 6" W.G. AND NEGATIVE OPERATING PRESSURE OF 0.75" W.G. FLEX DUCT SHALL HAVE R-VALUE OF R-6 AND MEET REQUIREMENTS OF UL-181, 2020 FLORIDA ENERGY CODE, NFPA 90A AND NFPA 90B. ATCO 36 OR APPROVED EQUAL.

PROVIDE 24X24 LAY IN PANEL FOR DIFFUSERS IN LAY IN CEILINGS.

PROVIDE BEVELED MOUNTING FRAME FOR DIFFUSERS IN HARD CEILINGS.

2 TYPICAL CEILING DIFFUSER DETAILS
M201 SCALE: NONE



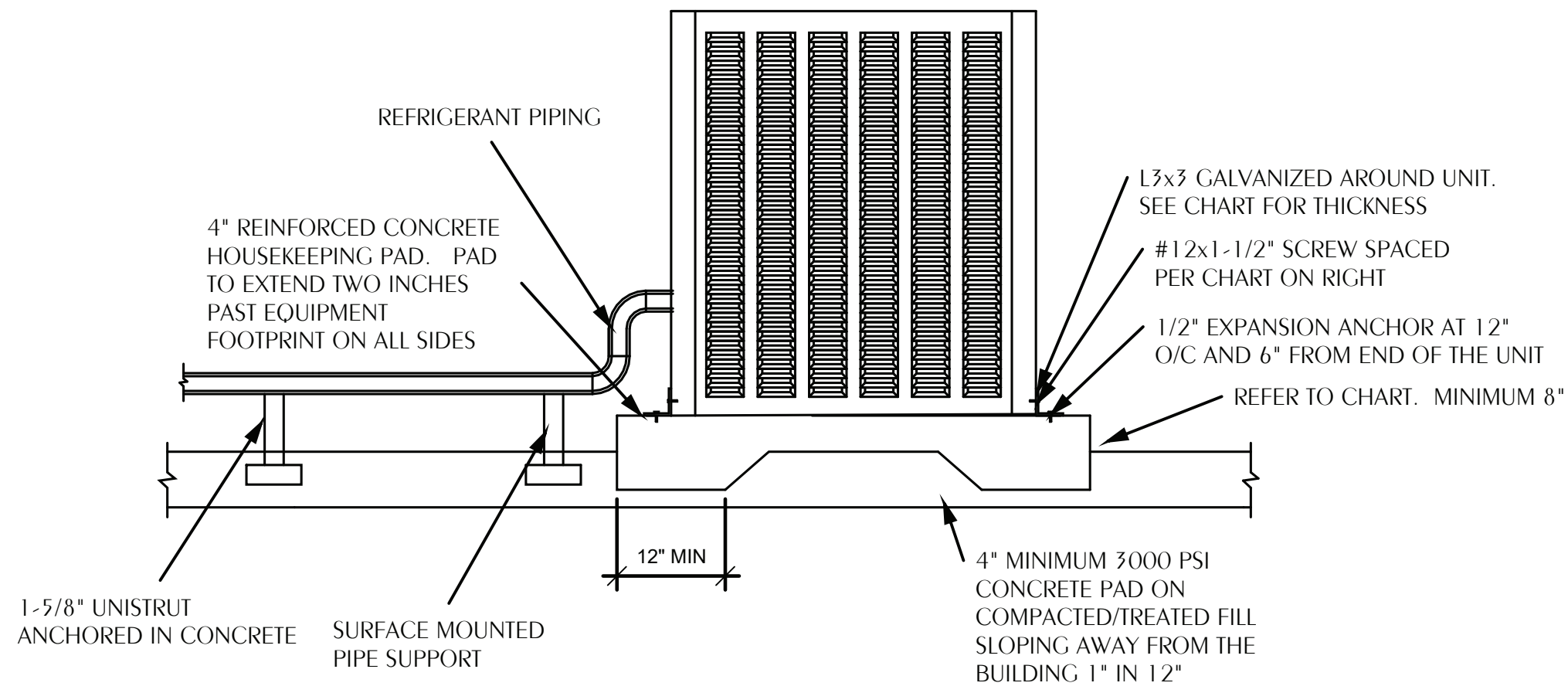
NOTES:

SECURE REFRIGERANT LINES AND CONDENSATE PIPING WITH UNISTRUT.

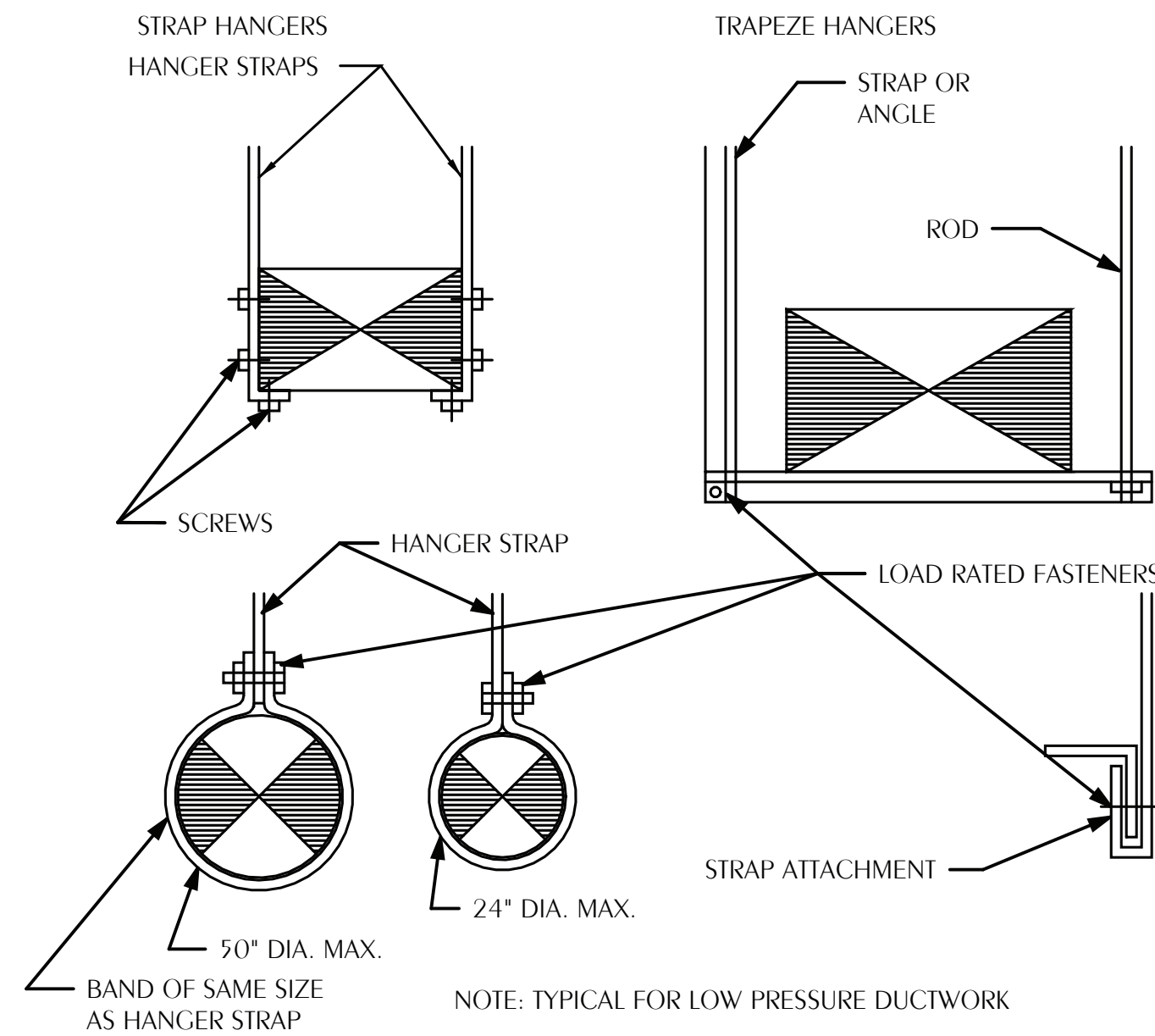
PROVIDE FACTORY FABRICATED RETURN AIR PLENUM OR ENGINEER APPROVED EQUAL WITH 2" FILTER FRAME.

SIZE COPPER CONDENSATE LINE AT FULL SIZE OF UNIT CONNECTION, BUT IN NO CASE SMALLER THAN 3/4".

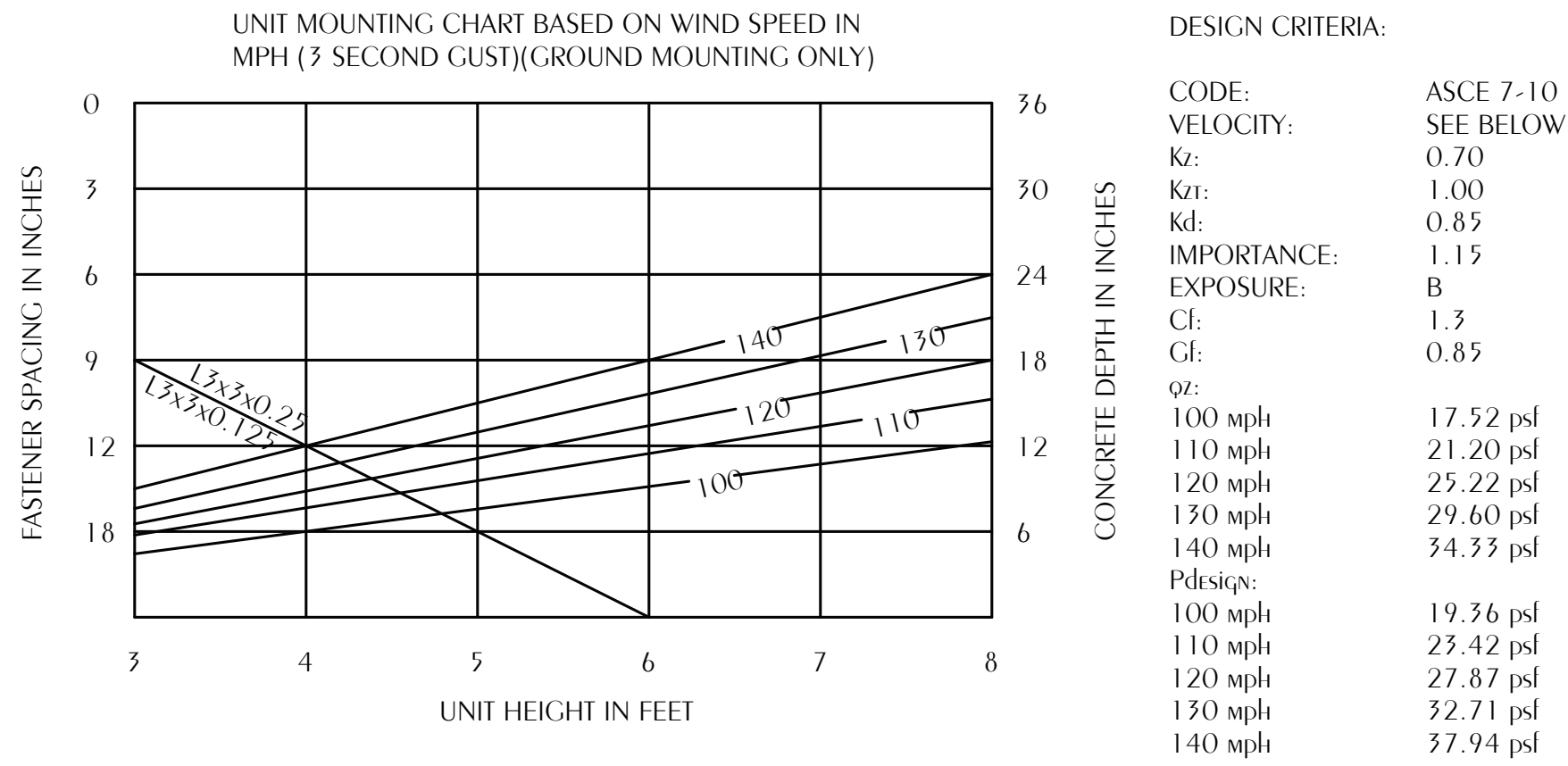
4 VERTICAL UPFLOW AHU DETAIL
M201 SCALE: NONE



5 TYPICAL OUTDOOR MECHANICAL UNIT MOUNTING DETAIL
M201 SCALE: NONE



3 TYPICAL DUCT HANGER DETAILS
M201 SCALE: NONE



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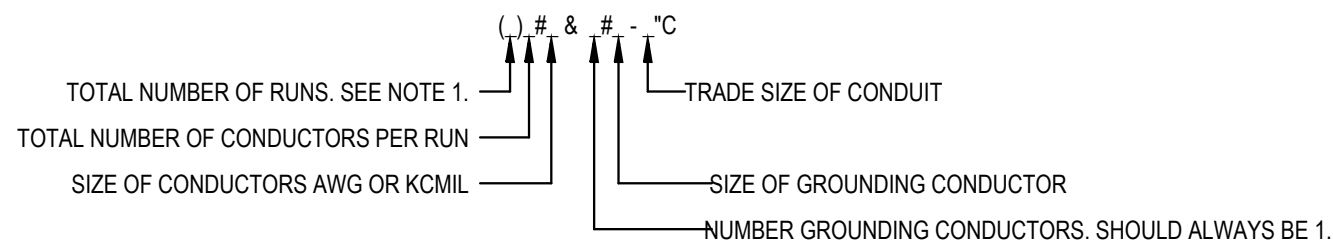
MECHANICAL DETAILS

Date 12/19/2025
Drawn By YOJ
Checked By SLD

M201

RACEWAYS AND CONDUCTORS

SYMBOL	DESCRIPTION
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	CONDUIT TURNED UP/DOWN
	CONDUIT CAP
	RACEWAY INSTALLED CONCEALED IN WALLS OR ABOVE CEILING
	RACEWAY INSTALLED EXPOSED
	RACEWAY INSTALLED IN SLAB / BELOW GRADE / UNDER FLOOR
P-1,3,5	HOMERUN ARROW WITH CIRCUIT TAG. CIRCUIT TAG INDICATES PANEL-SPACE, SPACE, SPACE. TAG SHOWN INDICATES PANEL "P" WITH 3 POLE CIRCUIT TO SPACES 1, 3, AND 5
	WIRE COUNT TICK MARKS. EACH TICK MARK INDICATES ONE CONDUCTOR IN RACEWAY. TICK MARK WITH DOT REPRESENTS EQUIPMENT GROUND. NO TICK MARK INDICATES 2 CONDUCTORS PLUS EQUIPMENT GROUND.
	ANNOTATIVE BREAK IN WIRE INDICATES CIRCUIT CONTINUES BEYOND WHAT IS SHOWN
	FLEXIBLE CONDUIT CONNECTION



NOTES

1. ONLY INDICATED IF MORE THAN ONE.
2. SEE FEEDER SCHEDULE
3. NO WIRE SIZE NOTED INDICATES 2#12 & 1#12 - 3/4"C.

EXAMPLE

2#10 & 1#10 - 3/4"C

- ONE RUN OF 3/4" CONDUIT CONTAINING TWO #10AWG AND ONE #10AWG GROUNDING CONDUCTOR.








(2)4#3/0 & 1#3 - 2"C

- TWO RUNS OF 2" CONDUIT WITH EACH CONDUIT CONTAINING FOUR #3/0AWG AND ONE #3/0AWG GROUNDING WIRE.

WIRING NOTES

1. ALL EXPOSED CONDUITS, BOXES, STRAPS AND HANGERS IN THE CONTRACT AREA WHETHER NEW OR EXISTING THAT ARE PART OF THE ELECTRICAL SYSTEM SHALL BE PAINTED TO MATCH ADJACENT FINISH.
2. FINAL CONNECTION TO ALL MOTORS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
3. FINAL CONNECTION TO ALL DRY TYPE TRANSFORMERS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
4. PROVIDE BUSHINGS ON ALL CONDUIT.
5. PROVIDE GREEN GROUND CONDUCTOR IN ALL CIRCUITS - SIZE PER N.E.C.
6. PROVIDE CONCRETE MARKER AT END OF ALL CONDUITS STUBBED OUT OF BUILDING FOR FUTURE USE. MARKER SHALL BE 6" DIA X 18" HIGH WITH 2" ABOVE FINISHED GRADE. INSCRIBE IN TOP OF MARKER "E" FOR ELECTRICAL, "T" FOR TELEPHONE, "V" FOR TV CABLE, "F" FOR FIRE ALARM, AND "IC" FOR INTERCOM.









POWER DEVICES

SYMBOL	DESCRIPTION	SPECIFICATION
	JUNCTION BOX WALL MOUNTED	REFER TO SPECIFICATIONS
	JUNCTION BOX ABOVE CEILING	REFER TO SPECIFICATIONS
	JUNCTION BOX MOUNTED IN FLOOR	REFER TO SPECIFICATIONS
	RED MUSHROOM EMERGENCY STOP; MAINTAINED PUSH AND KEY RELEASE; LABEL 'EMERGENCY STOP'	SQUARE D MODEL XB6AS9345B. SEE DETAILS.
	2 POLE, 600V, 30A TOGGLE DISCONNECT SWITCH WITH LOCKABLE ENCLOSURE	HUBBELL BRYANT 30102D
	2 POLE, 600V, 30A, NEMA 3R TOGGLE DISCONNECT SWITCH WITH LOCKABLE ENCLOSURE; WEATHERPROOF	HUBBELL BRYANT 30322D
DESIGNATION	DESCRIPTION	SPECIFICATION
	"XX" INDICATES TYPE OF EQUIPMENT TO BE POWERED. EQUIPMENT TYPES: DDC = HVAC CONTROL PANEL, DDC ACP = ACCESS CONTROL PANEL AV = AUDIO VISUAL EQUIPMENT POWER	REFER TO SPECIFICATIONS

POWER DEVICE NOTES

1. FOR TOGGLE SWITCH USED AS EQUIPMENT DISCONNECT, ELECTRICAL PLANS INDICATING DEVICES MOUNTED TO EQUIPMENT IS DIAGRAMMATIC ONLY AND THE FINAL LOCATION OF DEVICES SHALL BE DETERMINED BY THE ELECTRICAL CONTRACTOR. COORDINATE DEVICE MOUNTED TO EQUIPMENT SPECIFIED AND PROVIDED UNDER OTHER SECTIONS WITH INSTALLING CONTRACTOR AND THE SPECIFYING ENGINEER.









RECEPTACLES

SYMBOL	DESCRIPTION	SPECIFICATION
	DUPLEX RECEPTACLE; 125V; 20A; 3 POLE GND; NEMA 5-20R	HUBBELL SERIES HBL5352
	QUAD RECEPTACLE; 125V; 20A; 3 POLE GND; NEMA 5-20R	HUBBELL SERIES HBL5352
	DUPLEX GFCI RECEPTACLE; 125V; 20A; 3 POLE GND; NEMA 5-20R	HUBBELL SERIES GF5362
	DUPLEX TVSS RECEPTACE; 125V; 20A; 3 POLE GND; NEMA 5-20R	HUBBELL SERIES HBL5362SA
	DUPLEX TAMPER RESISTANT RECEPTACLE; 125V; 20A; 3 POLE GND; NEMA 5-20R	HUBBELL SERIES BR20xxTR
	SPECIAL PURPOSE RECEPTACLE. "X" INDICATES DEVICE TYPE: A = 125V, 30A, 3W, NEMA L5-30R B = 250V, 30A, 4W, NEMA 14-30R	A = HUBBELL SERIES HBL2610 B = HUBBELL SERIES HBL9430A
DESIGNATION	DESCRIPTION	SPECIFICATION
 +XX"	MOUNTING HEIGHT INDICATION FOR OTHER THAN 18" AFF TO C/L. +XX" SHALL INDICATED MOUNTING INCHES ABOVE FINISHED FLOOR TO CENTER LINE. MOUNTING HEIGHT SHALL BE FIELD COORDINATED FOR THE FOLLOWING: +AC" = ABOVE COUNTER +DF" = DRINKING FOUNTAIN +TV" = TELEVISION +SB" = SMARTBOARD/INTERACTIVE FLAT PANEL +TS" = TEACHER STATION RECEPTACLE +DW" = DISHWASHER RECEPTACLE	
 WP	"WP" INDICATES WEATHER PROOF DEVICE AND WEATHER PROOF IN-USE COVER.	COVER: PASS AND SEYMOUR WIUF10S REFER TO SPECIFICATIONS

RECEPTACLE NOTES

1. ANY RECEPTACLE LOCATED IN WET ENVIRONMENT PROVIDE THE EQUIVALENT WP VERSION OF RECEPTACLE.
2. RECEPTACLES, SWITCHES AND COVERPLATES COLOR SHALL BE SELECTED BY THE ARCHITECT FROM STANDARD COLORS
3. VERIFY EXACT LOCATION OF ALL FLOOR OUTLETS WITH THE ARCHITECT PRIOR TO ROUGHING-IN.
4. MOUNT RECEPTACLES 18" AFF TO CIL UNLESS NOTED OTHERWISE.



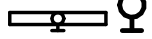




LIGHTING CONTROLS

SYMBOL	DESCRIPTION	SPECIFICATION
	LIGHTING CONTROLS ROOM CONTROLLER. INSTALL CONCEALED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE.	REFER TO SPECIFICATIONS. SEE DETAILS
	LIGHTING CONTROLS MOTION SENSOR; CEILING MOUNTED; PROGRAMMED FOR VACANCY SENSING.	REFER TO SPECIFICATIONS. SEE DETAILS.
	LIGHTING CONTROLS MOTION SENSOR; CEILING MOUNTED; PROGRAMMED FOR OCCUPANCY SENSING.	REFER TO SPECIFICATIONS. SEE DETAILS.
	LOW VOLTAGE SWITCH. "X" INDICATES BUTTON COUNT.	REFER TO SPECIFICATIONS. SEE DETAILS.
	WALL SWITCH WITH MOTION SENSOR; PROGRAM FOR OCCUPANCY SENSING.	WATTSTOPPER #DWS-301-W
	WALL SWITCH WITH MOTION SENSOR AND 0-10V DIM; PROGRAM FOR VACANCY SENSING.	HUBBELL SERIES ADD2000W1
	SINGLE POLE TOGGLE SWITCH	HUBBELL SERIES HBL1221
	LIGHTING CONTROLS NETWORK BRIDGE. INSTALL CONCEALED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE.	REFER TO SPECIFICATIONS. SEE DETAILS.
DESIGNATION	DESCRIPTION	SPECIFICATION
	"WP" INDICATES DEVICE IN WEATHER PROOF COVER.	REFER TO SPECIFICATIONS

LIGHTING CONTROL NOTES

1. REFER TO LIGHTING CONTROL MATRIX / SEQUENCE OF OPERATIONS TABLE FOR PROGRAMMING OF LIGHTING CONTROLS.
2. REFER TO LIGHTING CONTROL DETAILS FOR TYPICAL WIRING OF CONTROLS, LOW VOLTAGE NETWORKING OF CONTROLS, AND BASIS OF DESIGN EQUIPMENT SPECIFICATIONS.
3. ALL LIGHTING CONTROL SWITCHES SHALL BE MOUNTED 48" AFF TO C/L UNLESS NOTED OTHERWISE.
4. FOR ALL DEVICES INDICATED AS WEATHERPROOF PROVIDE THE EQUIVALENT WEATHERPROOF DEVICE TYPE AND WEATHERPROOF COVER.







LIGHTING FIXTURES

SYMBOL	DESCRIPTION	SPECIFICATION
	CEILING MOUNTED FIXTURE; DRAWN TO SCALE	SEE LIGHTING FIXTURE SCHEDULE; REFER TO SPECIFICATIONS
	CEILING MOUNTED FIXTURE; MIDDLE LINE INDICATES LENS DIRECTION; DRAWN TO SCALE	SEE LIGHTING FIXTURE SCHEDULE; REFER TO SPECIFICATIONS
	WALL MOUNTED FIXTURE	SEE LIGHTING FIXTURE SCHEDULE; REFER TO SPECIFICATIONS
	CEILING MOUNTED FIXTURE	SEE LIGHTING FIXTURE SCHEDULE; REFER TO SPECIFICATIONS
	EXIT SIGN; WALL MOUNTED; SHADED REGION INDICATES ILLUMINATED FACE; ARROW INDICATES DIRECTIONAL ARROW	SEE LIGHTING FIXTURE SCHEDULE; REFER TO SPECIFICATIONS
	EXIT SIGN; CEILING MOUNTED; SHADED REGION INDICATES ILLUMINATED FACE; ARROW INDICATES DIRECTIONAL ARROW	SEE LIGHTING FIXTURE SCHEDULE; REFER TO SPECIFICATIONS
DESIGNATION	DESCRIPTION	SPECIFICATION
a DL	"DL" REPRESENTS FIXTURE IDENTIFIER. LOWERCASE LETTER "a" INDICATES SWITCHING ZONE.	REFER TO LIGHTING FIXTURE SCHEDULE. REFER TO LIGHTING CONTROLS MATRIX / SEQUENCE OF OPERATIONS.
	SHADED CENTER OF FIXTURE REPRESENTS FIXTURE FOR EMERGENCY EGRESS LIGHTING.	REFER TO LIGHTING FIXTURE SCHEDULE. REFER TO LIGHTING CONTROL DETAILS.

LIGHTING FIXTURE NOTES

1. LIGHTING FIXTURE SYMBOLS REPRESENT THE GENERAL SIZE AND SHAPE OF THE FIXTURE, BUT ARE NOT MEANT TO BE TO-SCALE REPRESENTATIONS UNLESS NOTED OTHERWISE. THE SYMBOLS LISTED IN THE ABOVE LEGEND ARE TYPICAL BUT MAY NOT REPRESENT ALL SYMBOLS SHOWN ON THE PLANS.
2. REFER TO THE LIGHTING FIXTURE SCHEDULE FOR FIXTURE INFORMATION.
3. LOCATION OF LIGHTING FIXTURES IN MECHANICAL EQUIPMENT ROOM SHALL BE COORDINATED WITH THE FINAL MECHANICAL EQUIPMENT LOCATION INCLUDING AC EQUIPMENT, PUMPS, DUCTWORK, PIPE, ETC. TO PROVIDE NEC REQUIRED ACCESS SPACE AND PROPER ILLUMINATION.
4. ALL EXIT SIGNS AND FIXTURES WITH INTEGRAL BATTERY BACKUP SHALL BE CONNECTED TO THE LIGHT CIRCUIT AHEAD OF LOCAL SWITCH CONTROL.
5. ALL LIGHTING FIXTURE FINISHES SHALL BE SELECTED BY THE ARCHITECT.





ELECTRICAL EQUIPMENT

SYMBOL	DESCRIPTION	SPECIFICATION
	SURFACE MOUNTED PANEL; LINE TO GROUND VOLTAGE GREATER THAN 150V; TYP. 480Y/277V	SEE PANEL SCHEDULE; REFER TO SPECIFICATIONS
	SURFACE MOUNTED PANEL; LINE TO GROUND VOLTAGE LESS THAN 150V; TYP. 208Y/120V	SEE PANEL SCHEDULE; REFER TO SPECIFICATIONS
	NON-FUSED DISCONNECT	SEE EQUIP. SCHEDULE; REFER TO SPECIFICATIONS
	TRANSFER SWITCH; AUTOMATIC INDICATED AS "ATS", MANUAL INDICATED AS "MTS"	SEE RISER; REFER TO SPECIFICATIONS
DESIGNATION	DESCRIPTION	
	EQUIPMENT NAME INDICATION; EXAMPLE SHOWN AS "MDP"	
 30/3/3R	DISCONNECT SIZE INDICATION SHALL BE AMPS/POLES/NEMA-RATING; EXAMPLE SHOWN IS 30 AMPS, 3 POLES, NEMA 3R	

EQUIPMENT NOTES

1. ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, ETC SHALL HAVE CUSTOM ENGRAVED NAMEPLATE MECHANICALLY AFFIXED IDENTIFYING SYSTEM. REFER TO EQUIPMENT LABELING DETAILS.
2. LOCATION OF DISCONNECT SWITCHES, ETC. FOR MECHANICAL EQUIPMENT/ROOM SHALL BE COORDINATED WITH FINAL MECHANICAL EQUIPMENT LOCATION TO PROVIDE NATIONAL ELECTRIC CODE REQUIRED ACCESS SPACE.
3. THE ELECTRICAL CONTRACTOR SHALL PROVIDE FAULT CURRENT CALCULATIONS FOR THE SERVICE EQUIPMENT AND SHALL MARK THE EQUIPMENT WITH THE AVAILABLE FAULT CURRENT AND DATE OF THE CALCULATION PER NEC 110.24. REFER TO EQUIPMENT LABELING DETAILS.
4. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ARC FAULT LABELS PER NFPA 70E ARTICLE 110.16 FOR NEW EQUIPMENT. THE OWNER SHALL PROVIDE AVAILABLE CALCULATION DATA FOR THE EXISTING EQUIPMENT IN THE ELECTRICAL SYSTEM. REFER TO EQUIPMENT LABELING DETAILS.

REFERENCE DESIGNATIONS

SYMBOL	DESCRIPTION
	KEYNOTE REFERENCE
	FEEDER NOTE REFERENCE
	REVISION REFERENCE
	REVISION CLOUD MARKS REVISED PORTION OF DRAWING.



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SMA

FIRE STATION 3
585 BROOKMEADE DR,
CRESTVIEW, FL 32539

SEAL

REVIEW SET
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ELECTRICAL LEGEND

Date 12/19/2025

Drawn By LR

Checked By KS

E001