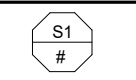
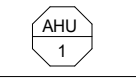
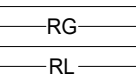
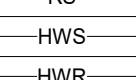
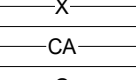
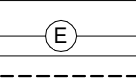
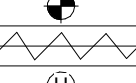
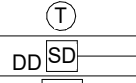
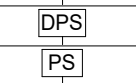
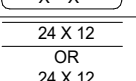
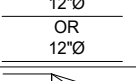
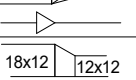
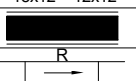
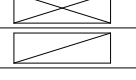
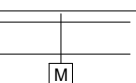
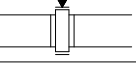
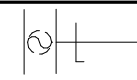
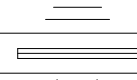
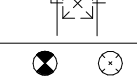
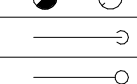
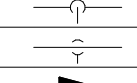
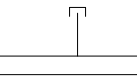
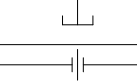
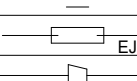
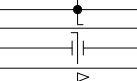
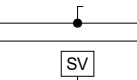
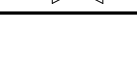


MECHANICAL SYMBOLS LEGEND		
	AIR DEVICE TAG CFM	S - SUPPLY R - RETURN E - EXHAUST X - EXISTING
	EQUIPMENT IDENTIFICATION	X - EXISTING
	DRAIN	
	REFRIGERANT HOT GAS	
	REFRIGERANT LIQUID	
	REFRIGERANT SUCTION	
	HOT WATER HEATING SUPPLY	
	HOT WATER HEATING RETURN	
	PIPE ANCHOR	
	COMPRESSED AIR	
	NATURAL GAS	
	ELECTRICAL WIRING	
	DEMO PIPE OR EQUIPMENT	
	OPPOSED BLADE DAMPER	
	HUMIDISTAT	
	THERMOSTAT	
	SMOKE DETECTOR (DUCT)	
	FLOW SWITCH	
	DIFFERENTIAL PRESSURE SWITCH	
	PRESSURE SWITCH	
	BOTTOM OF DUCT ELEVATION	
	RECTANGULAR DUCT (FIRST NUMBER IS SURFACE SHOWS DIMENSIONS REPRESENT OUTSIDE SHEET METAL)	
	ROUND DUCT	
	RECTANGULAR TO ROUND TRANSITION	
	TRANSITION	
	DUCT WITH LINER	
	INCLINED RISE (R) OR DROP (D) ARROW IN DIRECTION OF CHANGE	
	FLEXIBLE DUCT CONNECTION	
	SUPPLY AIR UP OR IN SECTION	
	RETURN, EXHAUST OR OUTSIDE AIR UP OR IN SECTION	
	SUPPLY AIR DOWN OR AWAY	
	RETURN, EXHAUST OR OUTSIDE AIR DOWN OR AWAY	
	RECTANGULAR ELBOW WITH TURNING VANES	
	VOLUME DAMPER	
	MOTORIZED DAMPER	
	FIRE DAMPER/SMOKE DAMPER/COMB. FIRE SMOKE DAMPER	

MECHANICAL SYMBOLS LEGEND (CONT.)	
	ROUND TAP WITH DAMPER (BOTTOM)
	CEILING MOUNTED, SQUARE SUPPLY AIR DIFFUSER AWAY UNLESS OTHERWISE INDICATED (ARROW INDICATES DIRECTION OF THROW)
	CEILING MOUNTED RETURN AIR GRILLE
	SIDEWALL RETURN GRILLE
	SIDEWALL SUPPLY DIFFUSER
	SUPPLY AIR SLOT DIFFUSER
	RECTANGULAR TAP WITH DAMPER (BOTTOM)
	ROUND DUCT SUPPLY UP, DN OR IN SECTION
	ROUND DUCT RETURN UP, DN OR IN SECTION
	PIPE DOWN
	PIPE UP
	TOP CONNECTION
	BOTTOM CONNECTION
	FLOW DIRECTION
	CAPPED OUTLET (UP)
	DIRT LEG (DN)
	UNION
	PIPE GUIDE
	EXPANSION JOINT
	REDUCER
	BALL VALVE
	BUTTERFLY VALVE
	PRESSURE REDUCING VALVE
	GAS COCK
	SOLENOID VALVE

MECHANICAL ABBREVIATIONS

ACC	AIR COOLED CONDENSER	IE	INVERT ELEVATION
AC	AIR CONDITIONING UNIT	IN	INCHES
ADJ	ADJUSTABLE	INST	INSTALLED
AFF	ABOVE FINISHED FLOOR	IRH	INFRARED HEATER
AHU	AIR HANDLING UNIT	KW	KILOWATT
AP	ACCESS PANEL	LAT	LEAVING AIR TEMPERATURE
APD	AIR PRESSURE DROP(IN WC)	LDB	LEAVING DRY BULB TEMPERATURE
AS	AIR SEPARATOR	LWB	LEAVING WET BULB TEMPERATURE
ASJ	ALL SERVICE JACKET	LWT	LEAVING WATER TEMPERATURE
B	BOILER	LRA	LOCKED ROTOR AMPS
BAS	BUILDING AUTOMATION SYSTEM	LPG	LIQUID PROPANE GAS
BB	AIR BLENDER	LWCO	LOW WATER CUT-OFF
BDD	BACKDRIFT DAMPER	MAU	MAKE-UP AIR UNIT
BFP	BACKFLOW PREVENTER	MAX	MAXIMUM
BHP	BRAKE HORSEPOWER	MBH	1000 BTU/Hr
BTU	BRITISH THERMAL UNITS	MC	MECHANICAL CONTRACTOR
BOD	BOTTOM OF DUCT	MCA	MINIMUM CURRENT AMPS
BOP	BOTTOM OF PIPE	MCC	MOTOR CONTROL CENTER
BOS	BOTTOM OF STEEL	MD	MOTORIZED DAMPER
CLG	CEILING	MIN	MINIMUM
CO	CAPACITY	MOC	MAXIMUM OVERCURRENT PROTECTION
CC	CENTER TO CENTER	MSB	MOP SERVICE BASIN
CFM	CUBIC FEET PER MINUTE	MV	MIXING VALVE
CH	CHILLER	NO	NORMALLY OPEN
CI	CAST IRON	NC	NORMALLY CLOSED
CL	CENTER LINE	NO	NUMBER
CLG	CEILING	NF	NON-FUSED
CO	CLEANOUT	NTS	NOT TO SCALE
CON	CONNECTION	OA	OUTSIDE AIR
CPVC	CHLORINATED POLYVINYL CHLORIDE	OED	OPEN END DUCT
CS	CONDENSER WATER RETURN	OV	OUTLET VELOCITY
CU	CONDENSING UNIT	P	PUMP
CUH	CABINET UNIT HEATER	PC	PLUMBING CONTRACTOR
CV	CONTROL VALVE	PCB	POWER INDUCTION BOX
D	DRAIN	PDR	PRESSURE DROP
DIA	DIAMETER	PVC	POLYVINYL CHLORIDE
DB	DRY BULB TEMPERATURE	RA	RETURN AIR
DDC	DIRECT DIGITAL CONTROL	R#	RETURN AIR DEVICE
DDU	DUAL DUCT UNIT	RD	ROOF DRAIN
DISC	DISCONNECT	RF	RELIEF FAN
DN	DOWN	RPM	REVOLUTIONS PER MINUTE
DS	DOWNSPOUT	RP	RECIRCULATING PUMP
DW	DISHWASHER	RRBP	REDUCED PRESSURE BACK FLOW PREVENTER
DSO	DUCT SMOKE DETECTOR SUPPLY	RTU	ROOF TOP UNIT
DSR	DUCT SMOKE DETECTOR RETURN	RV	RELIEF VALVE
DX	DIRECT EXPANSION	S#	SUPPLY AIR DEVICE
E	EXHAUST AIR DEVICE	SA	SUPPLY AIR
EA	EXHAUST AIR	SD	SMOKE DAMPER
EAT	ENTERING AIR TEMPERATURE	SF	SUPPLY FAN
EDB	ENTERING DRY BULB TEMPERATURE	SW	SWITCH
EWB	ENTERING WET BULB TEMPERATURE	STL	STEEL
EWT	ENTERING WATER TEMPERATURE	SG	SIGHT GLASS
EFF	EFFICIENCY	SP	STATIC PRESSURE
ET	EXPANSION TANK	SPC	SPRINKLER CONTRACTOR
EV	ELECTRIC CABINET HEATER	SV	SOLENOID VALVE
EF	EXHAUST FAN	TC	TEMPERATURE CONTROLLER
EC	ELECTRIC CONTRACTOR	TCC	TEMPERATURE CONTROLS CONTRACTOR
EMS	ENERGY MANAGEMENT SYSTEM	TDV	TRIPLE DUTY VALVE
ESP	EXTERNAL STATIC PRESSURE	T	TRANSFER GRILLE
ESV	EMERGENCY SHUT-OFF VALVE	TF	TRANSFER FAN
EUH	ELECTRIC UNIT HEATER	TS	TAMPER SWITCH
EW	ELECTRIC WATER HEATER	TSP	TOTAL STATIC PRESSURE
EX	EXISTING	TV	THERMAL EXPANSION VALVE
EXH	EXHAUST	UH	UNIT HEATER (HYDRONIC)
FA	FRESH AIR	UR	URINAL
FCU	FAN COIL UNIT	V	VENT
FD	FLOOR DRAIN	VAV	VARIABLE AIR VOLUME BOX
FH	FLOOR HYDRANT	VD	VOLUME DAMPER
FDR	FILTER DRIER	VTD	VARIABLE FREQUENCY DRIVE
FIN	FINISH	VR	VENT THRU ROOF
FLR	FLOOR	WB	WET BULB TEMPERATURE
FM	FACTORY MOUNTED	WPD	WATER PRESSURE DROP(FT. H2O)
FPM	FEET PER MINUTE	WC	WATER COLUMN
FT	FEET	ZD	ZONE DAMPER
FURN	FURNISHED		
FLA	FULL LOAD AMPS		
FOB	FLAT ON BOTTOM		
FOT	FLAT ON TOP		
FPC	FIRE PROTECTION CONTRACTOR		
FS	FLOOR SINK		
FTU	FAN TERMINAL UNIT		
GAL	GALLONS		
GALV	GALVANIZED		
GI	GREASE INTERCEPTOR		
GC	GENERAL CONTRACTOR		
GPM	GALLON PER MINUTE		
GUH	GAS UNIT HEATER		
QWH	GAS WATER HEATER		
CW	COLD WATER		
HB	HOSE BIBB		
HD	HUB DRAIN		
HR	HOUR		
HP	HORSEPOWER		

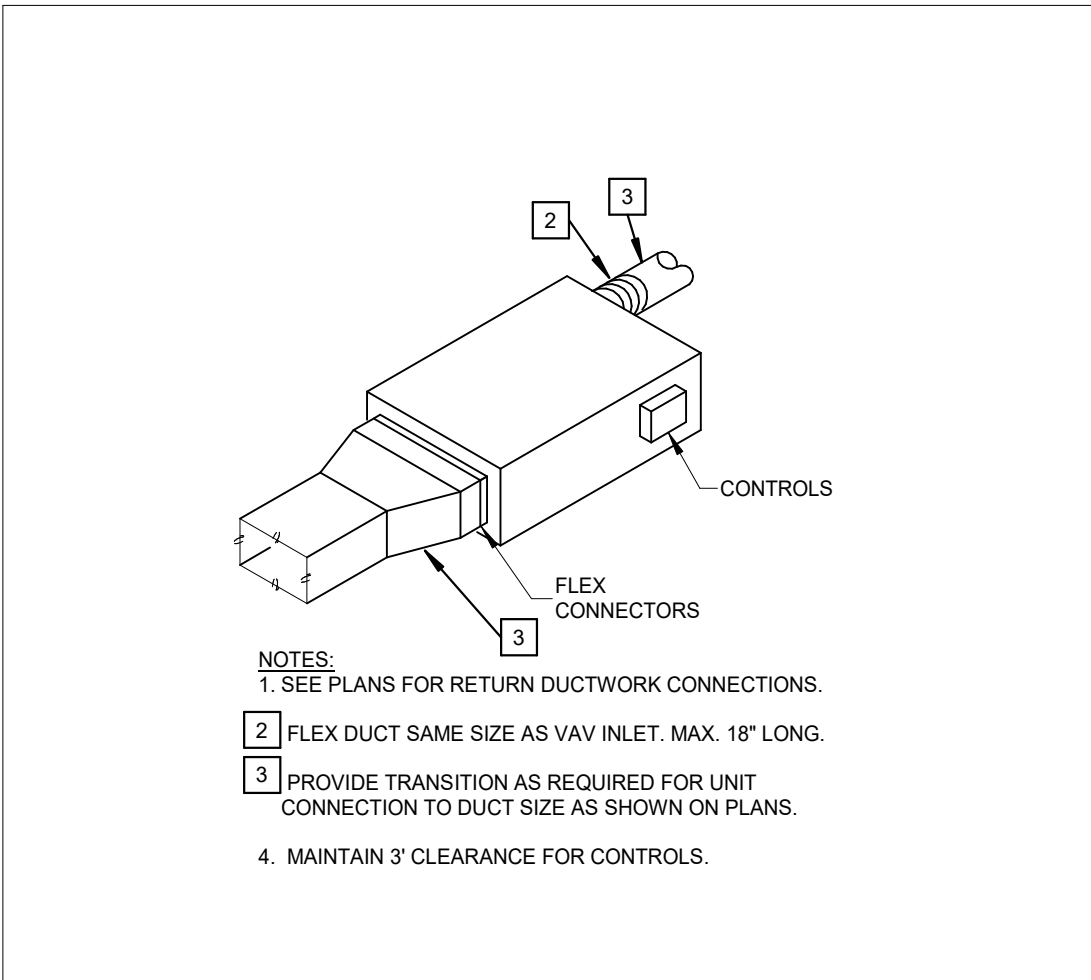
MECHANICAL GENERAL DEMOLITION NOTES:

- THESE GENERAL NOTES APPLY TO ALL DEMOLITION WORK.
- REMOVE DUCTS AND EQUIPMENT SHOWN CROSS HATCHED OR DASHED.
- CONTRACTOR SHALL USE CAUTION WHEN REMOVING DUCTS TO AVOID DAMAGE TO ELECTRICAL WIRING THAT IS TO REMAIN. NOTIFY GC AND EC IF WIRING IS FOUND ATTACHED TO DUCTWORK.
- WHEREVER EXISTING EQUIPMENT, PIPING, DUCTS, ETC., ARE TO BE REMOVED, SUCH REMOVAL SHALL INCLUDE ALL ANCHORS, HANGERS, FOUNDATIONS, ETC., UNLESS NOTED OTHERWISE. AFTER REMOVAL, FLOORS, WALLS AND CEILINGS SHALL BE PATCHED AND FINISHED TO MATCH ADJOINING SURFACES.
- WHERE ITEMS ARE REMOVED, UTILITIES AND THE AREA FROM WHICH THE ITEMS HAVE BEEN REMOVED SHALL BE LEFT IN SUCH A MANNER THAT IS SAFE FOR BOTH PEOPLE AND PROPERTY ON A DAILY BASIS.
- THESE DRAWINGS MAY NOT FULLY DEPICT ALL AS-BUILT CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS. NOTIFY THE ENGINEER AT ONCE SHOULD A DISCREPANCY OR OMISSION BE FOUND.
- SEE ARCHITECTURAL DRAWINGS FOR ARCHITECTURAL DEMOLITION. REFER TO MEP AND SPRINKLER DEMOLITION PLANS FOR MEP AND SPRINKLER DEMOLITION.
- REMOVE AND REPLACE CEILING TILES AS NEEDED TO PERFORM THE WORK INDICATED ON THE PLANS. REPLACE ANY DAMAGED TILES WITH NEW TILES THAT MATCH THE EXISTING CEILING. NOTIFY OWNER OF ANY EXISTING CEILING TILES THAT ARE ALREADY DAMAGED PRIOR TO THE START OF WORK.

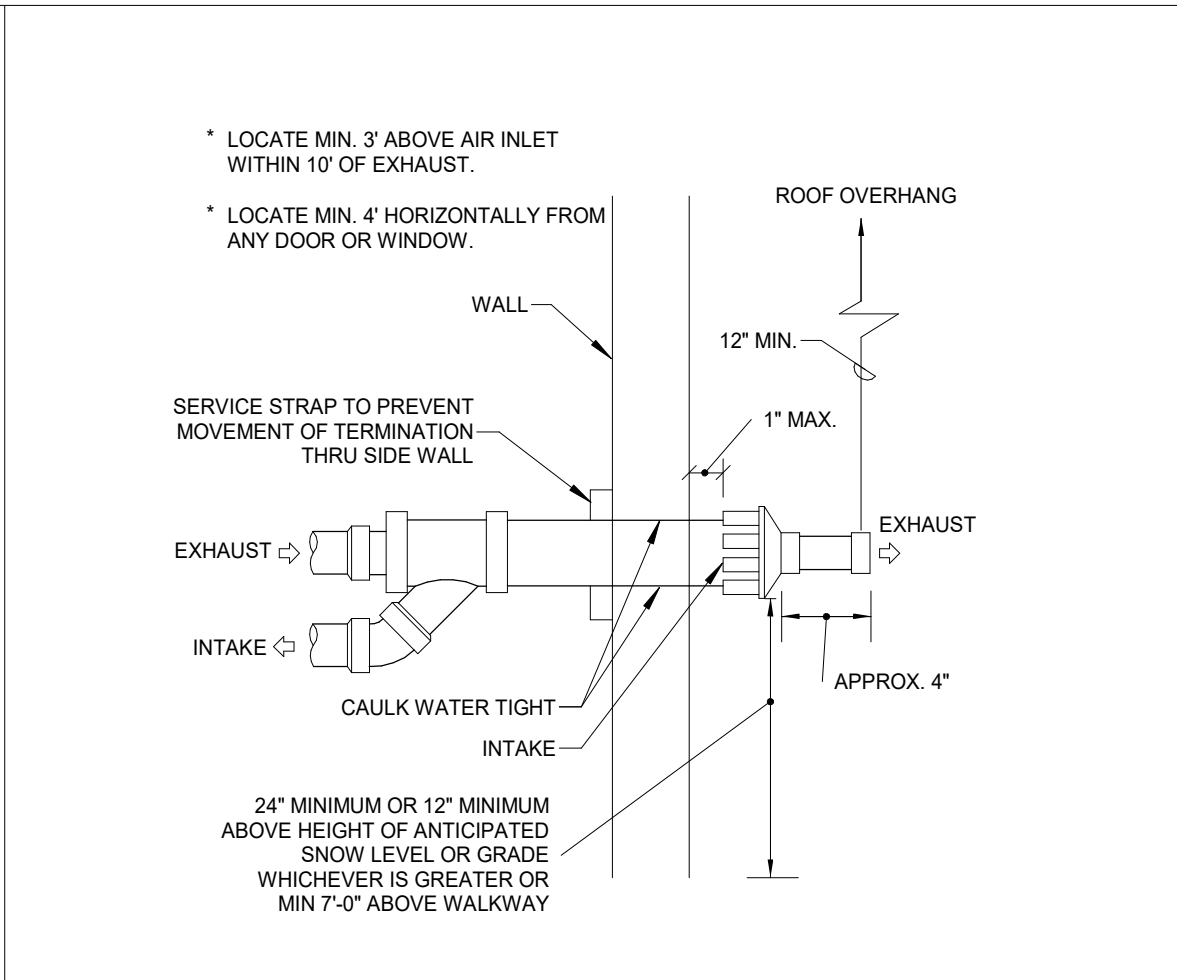
MECHANICAL GENERAL RENOVATION NOTES:

- THESE GENERAL NOTES APPLY TO ALL WORK.
- DUCT SIZES SHOWN ARE SHEET METAL SIZE AND INCLUDE THE DUCT LINER WHERE LINER IS REQUIRED.
- ALL SUPPLY, RETURN, EXHAUST, AND TRANSFER REGISTERS IN ROOMS WITHOUT CEILINGS SHALL BE 36" AFF UNLESS NOTED OTHERWISE.
- REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING AIR DEVICES.
- PIPING ON PLANS IS SHOWN FOR GENERAL ARRANGEMENT. SEE DETAILS FOR CONNECTIONS TO UNITS.
- IF PIPE SIZES ON PLANS CONFLICT WITH SIZES SHOWN ON FLOW DIAGRAMS, SIZES ON FLOW DIAGRAMS SHALL TAKE PRECEDENCE.
- TRANSITION FROM DUCT SIZES SHOWN TO EQUIPMENT CONNECTION SIZE AS REQUIRED.
- MAINTAIN 10'-0" MINIMUM BETWEEN OUTSIDE AIR INTAKES AND ALL EXHAUST FANS, FLUES, PLUMBING VENTS, ETC.
- ALL DUCT RUN OUTS TO AIR DEVICES SHALL HAVE A DAMPER WITH A LOCKING QUADRANT IN ADDITION TO THE DAMPER IN THE NECK OF THE AIR DEVICE.
- CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO PREVENT THE INSTALLATION OF CONDUITS, PIPING, LIGHTING, OR OTHER OBSTRUCTIONS UNDER OR ADJACENT TO HVAC EQUIPMENT THAT OBSTRUCTS ACCESS TO COILS, MOTORS, VALVES, FILTERS, ETC., OR OTHER HVAC COMPONENTS NEEDING MAINTENANCE OR OPERATIONS ACCESS.
- FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 6'-0".
- ALL EXPOSED DUCTS SHALL HAVE PAINT GRIP FINISH FOR PAINTING BY GC. COLOR PER ARCHITECT.
- THERMOSTATS AND ROOM TEMPERATURE SENSORS SHALL BE MOUNTED AT 4'-0" TO THE TOP OF THE JUNCTION BOX THAT THE DEVICE IS MOUNTED ON.
- COORDINATE DUCTWORK WITH ALL MECHANICAL, SPRINKLER AND PLUMBING PIPING BEFORE COMMENCEMENT OF WORK.
- MAINTAIN MINIMUM OF 4'-0" BETWEEN BRANCH TAKE OFFS.
- LOCATIONS OF NEW EQUIPMENT, DUCTWORK, PIPING, AND ASSOCIATED ITEMS SHOWN ON THE DRAWINGS ARE SCHEMATIC. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION AND ELEVATION OF ALL WORK. PROVIDE OFFSETS, FITTINGS, TRANSITIONS, EXTENSIONS, ETC., REQUIRED FOR A COMPLETE SYSTEM.
- NO CHANGES IN CONTRACT PRICE WILL BE ALLOWED FOR MINOR CHANGES IN LAYOUT OR LOCATION REQUIRED TO AVOID INTERFERENCES, OBSTRUCTIONS, ETC. CONTRACT PRICE CHANGES WILL BE CONSIDERED ONLY FOR CHANGES IN THE SCOPE OF THE PROJECT. REQUIREMENTS, ALL SUCH SCOPE CHANGES AND PRICE REVISIONS MUST BE AUTHORIZED IN WRITING. NOTIFY THE ENGINEER AT ONCE SHOULD A DISCREPANCY OR OMISSION BE FOUND.
- THE WORK ON THIS PROJECT WILL BE PHASED. SEE THE SCHEDULE IN THE SPECIFICATIONS FOR SEQUENCE OF PHASES, HOURS OF CONSTRUCTION AND ADDITIONAL REQUIREMENTS.
- ALL UTILITIES SERVING EXISTING AREAS SHALL REMAIN IN SERVICE AT ALL TIMES EXCEPT FOR SHORT PERIODS OF INTERRUPTION FOR THE IN OF NEW SERVICES TO EXISTING. ALL INTERRUPTIONS SHALL BE SCHEDULED WITH OWNER AND SHALL NOT BE SCHEDULED UNTIL NEW SERVICES ARE COMPLETE AND READY FOR FINAL CONNECTION.
- AIR DEVICES SHALL BE SIZED TO MATCH THE CEILING GRID. FURNISH AIR DEVICES FOR EITHER REGULAR GRID CEILINGS OR FOR NARROW GRID CEILINGS OR FOR BOTH TYPES OF GRID; COORDINATE WITH THE ARCHITECTURAL REFLECTED CEILING PLANS.
- PROVIDE SUPPLEMENTAL "TEES" FOR THE CEILING GRID WHERE DIFFUSERS ARE A DIFFERENT SIZE THAN THE CEILING TILES.
- REMOVE AND REPLACE CEILING TILES AS NEEDED TO PERFORM THE WORK INDICATED ON THE PLANS. REPLACE ANY DAMAGED TILES WITH NEW TILES THAT MATCH THE EXISTING CEILING. NOTIFY OWNER OF ANY EXISTING CEILING TILES THAT ARE ALREADY DAMAGED PRIOR TO THE START OF WORK.
- WHERE INSULATION CONTAINING HAZARDOUS MATERIALS HAS BEEN REMOVED FROM DUCTWORK, PIPING, OR EQUIPMENT, REPLACE IT WITH NEW INSULATION. SEE SPECIFICATIONS FOR TYPE AND THICKNESS.
- PROVIDE AN ISOMETRIC DRAWING FOR ALL REFRIGERANT PIPING. SHOW PIPE SIZES AND LENGTHS. REFRIGERATION UNIT MANUFACTURER SHALL SIGN OFF ON THE PIPING CONFIGURATION AND SIZING.
- GENERALLY PROVIDE DUCT INSULATION FOR SUPPLY, RETURN AND OUTSIDE AIR DUCTS ABOVE CEILINGS. SEE DETAILS ON PLANS AND DUCT INSULATION SCHEDULE AND ADDITIONAL REQUIREMENTS IN SPEC. SEE SPEC 230000 AND 230200 FOR A MORE DETAILED DESCRIPTION OF LINING AND INSULATION REQUIREMENTS.
- ALL DUCTS SHALL BE 2" WG PRESSURE CLASS EXCEPT UPSTREAM OF VAV/UTS SHALL BE 4" WG.

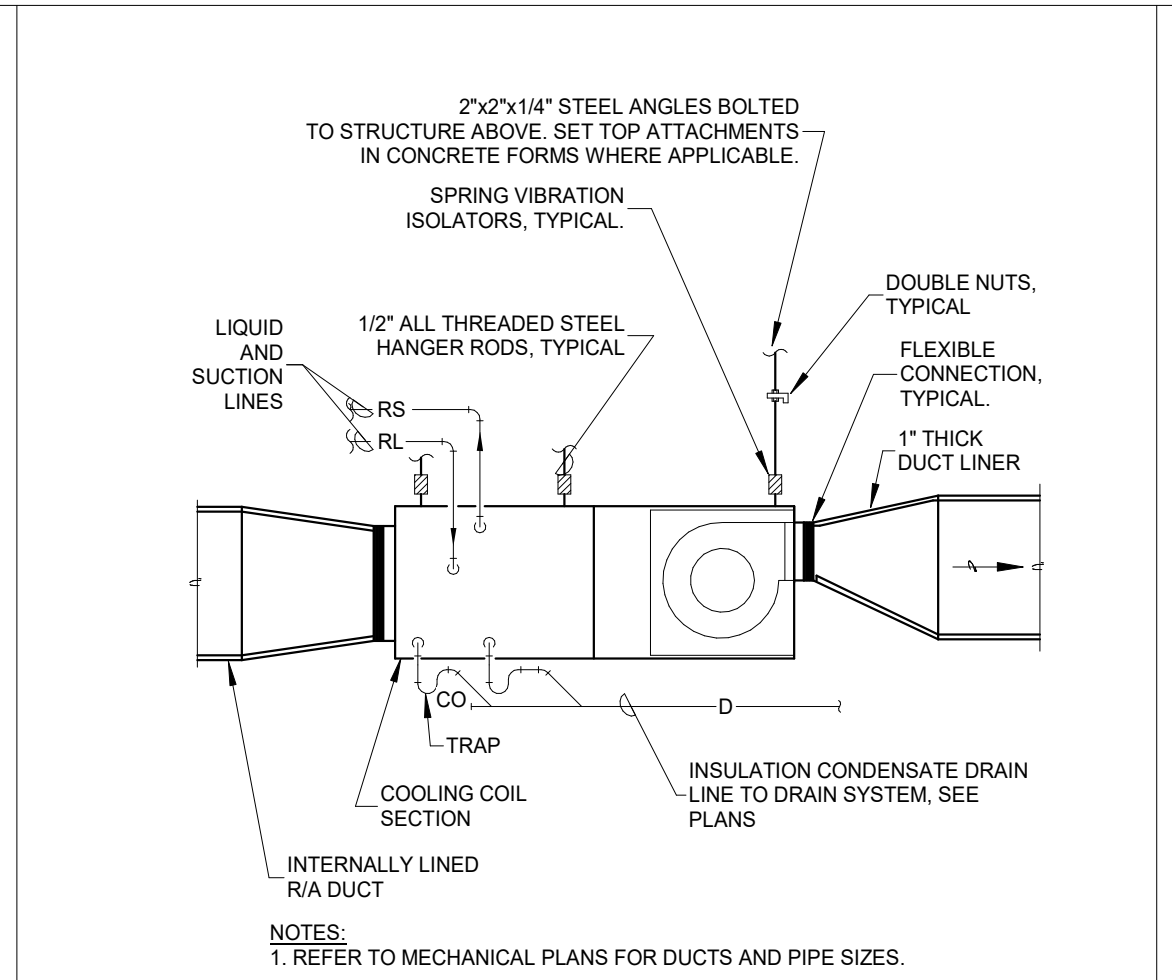
MECHANICAL SHEET LIST	
Sheet Number	Sheet Name
M0.1	MECHANICAL SYMBOLS, ABBREVIATIONS & GENERAL NOTES
M0.2	MECHANICAL SCHEDULES
M0.3	MECHANICAL DETAILS
M0.4	MECHANICAL DETAILS
M0.5	MECHANICAL ELEVATIONS
M0.1	MECHANICAL DEMOLITION PLAN - OPERATIONS
M1.1	MECHANICAL PLAN - OPERATIONS
M1.2	MECHANICAL PLAN - WAREHOUSE
M1.3	MECHANICAL PLAN - MAINTENANCE AND COVERED STORAGE
M1.4	MECHANICAL PLAN - OFFICE



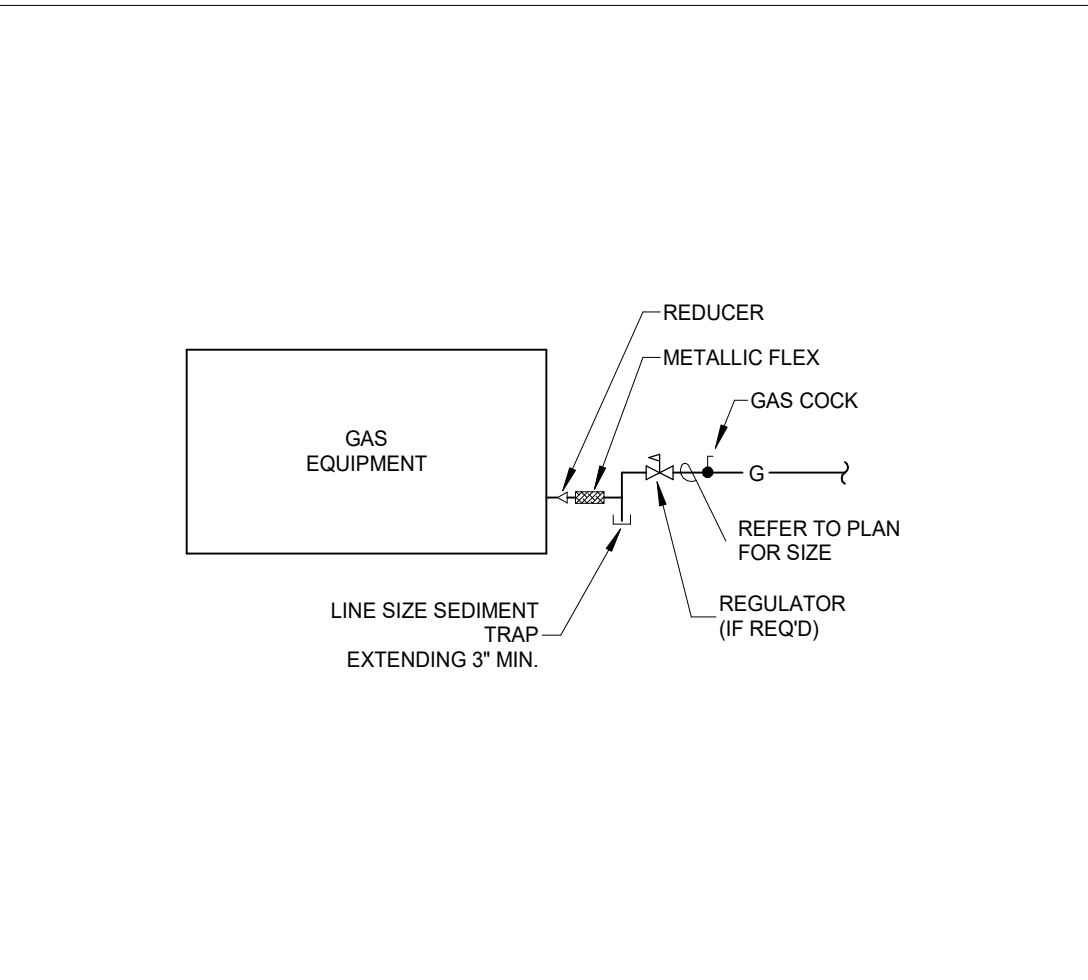
30 VAV BOX DETAIL - ELECTRIC COIL
NOT TO SCALE



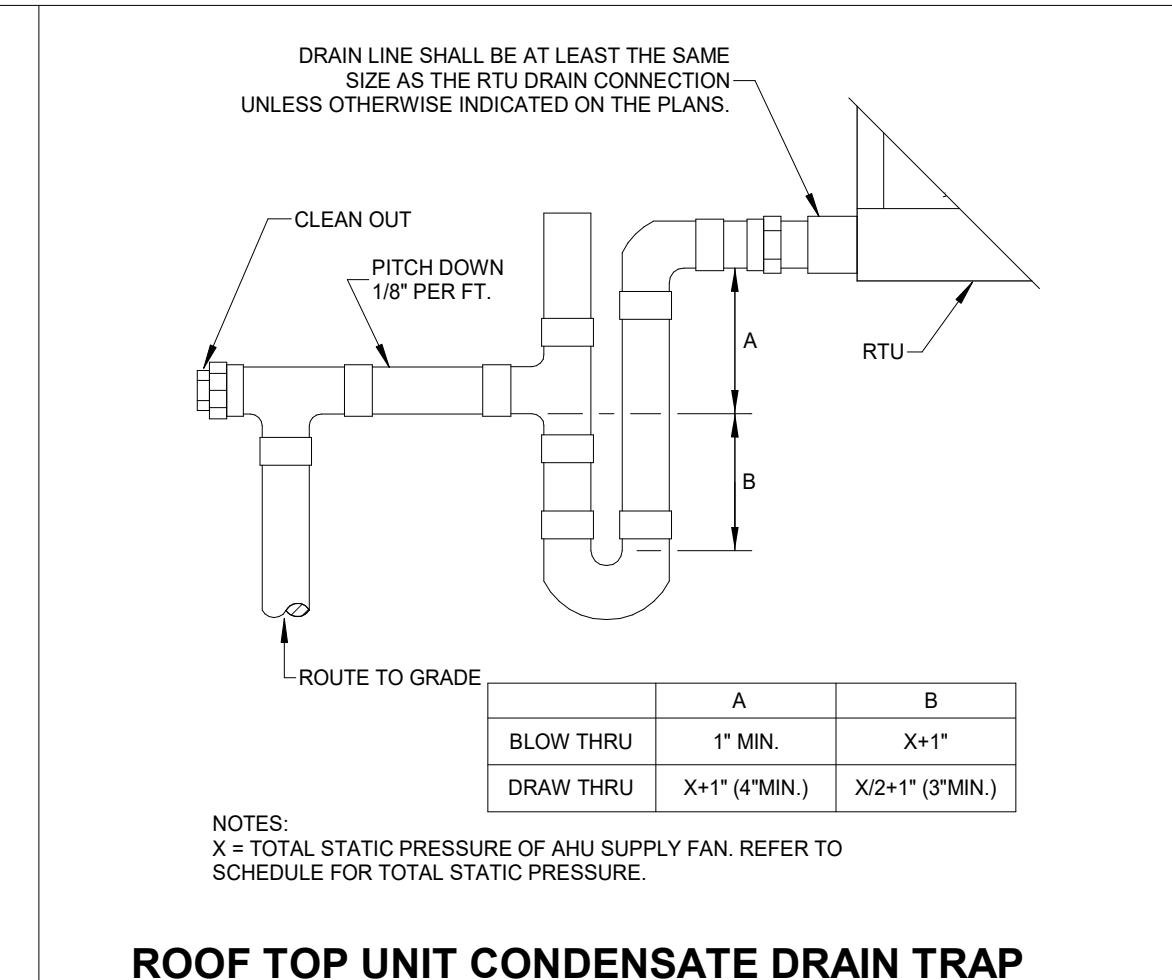
25 CONCENTRIC WALL TERMINATION DETAIL
NOT TO SCALE



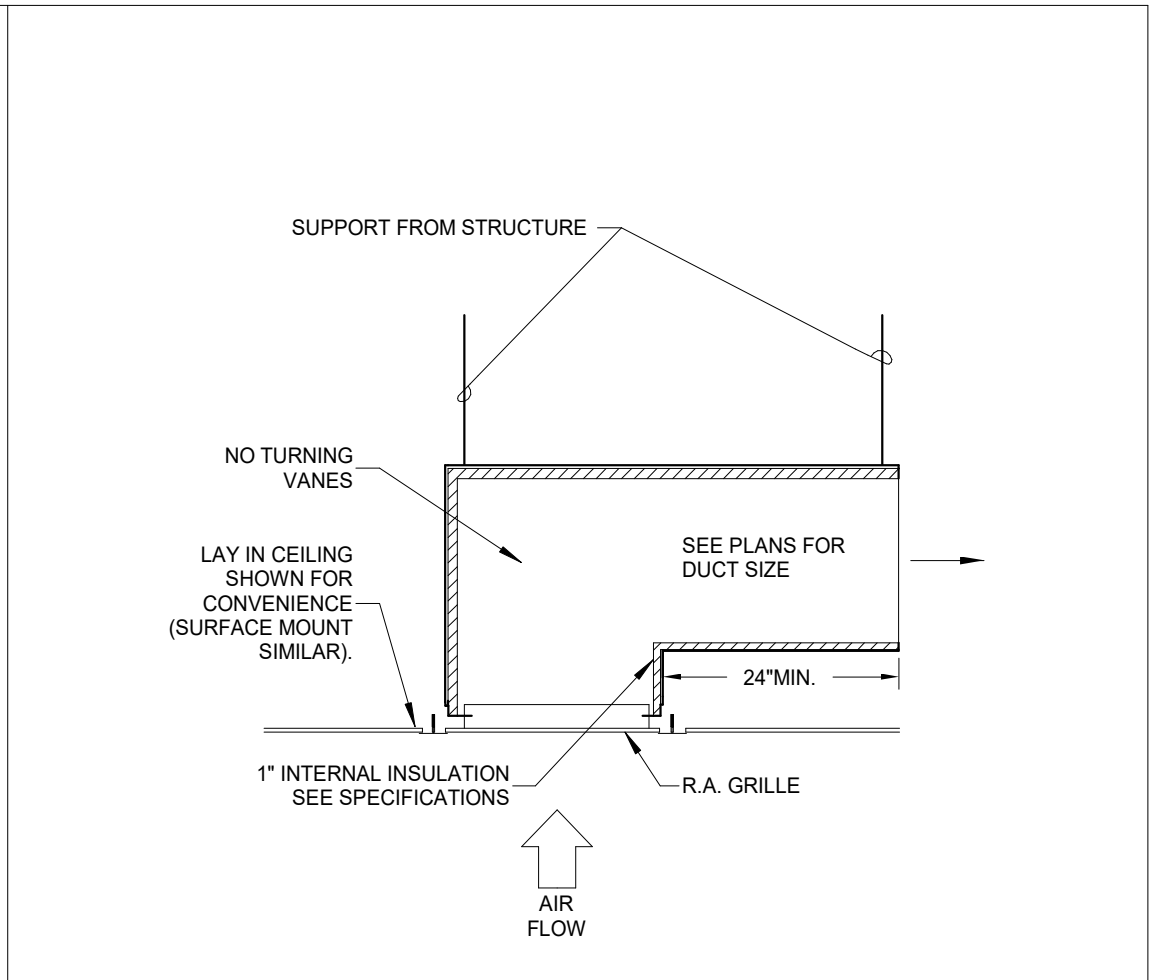
20 FAN COIL UNIT
NOT TO SCALE



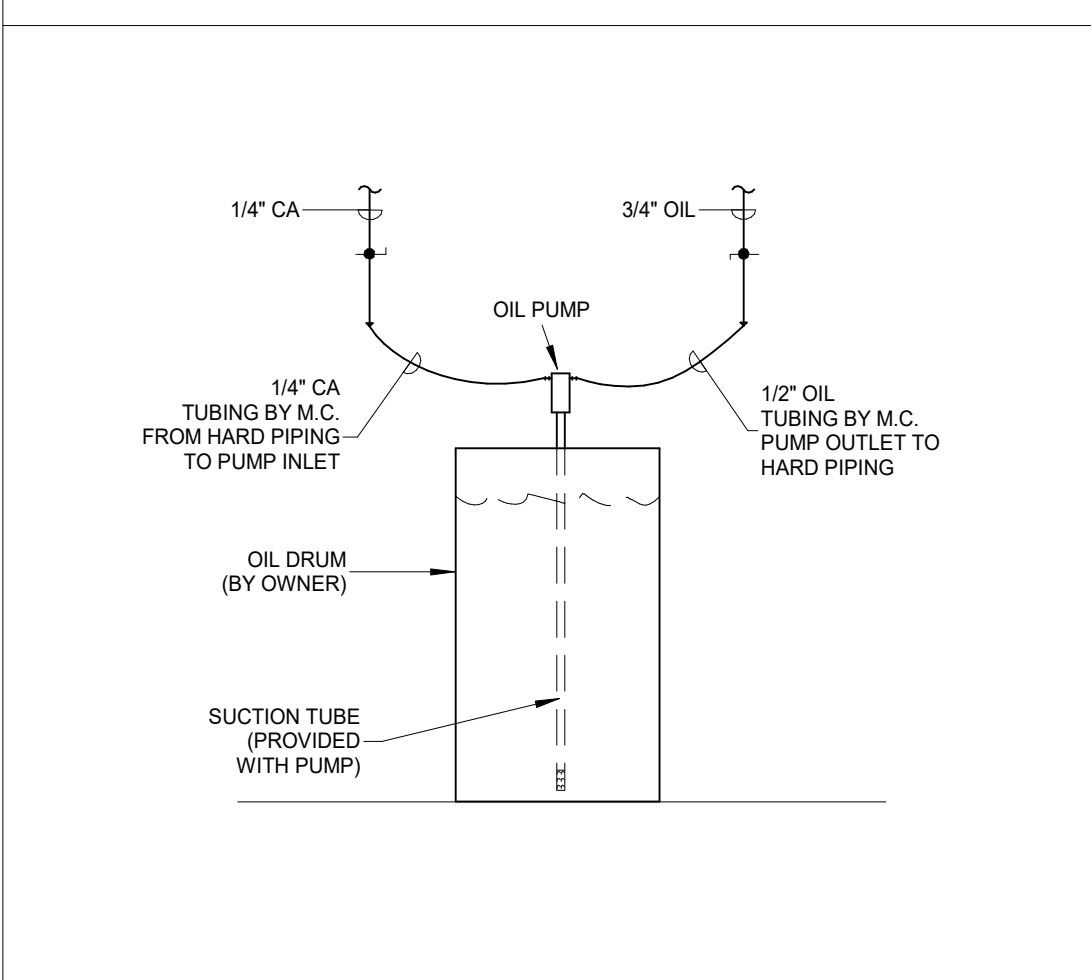
15 GAS CONNECTION TO EQUIPMENT
NOT TO SCALE



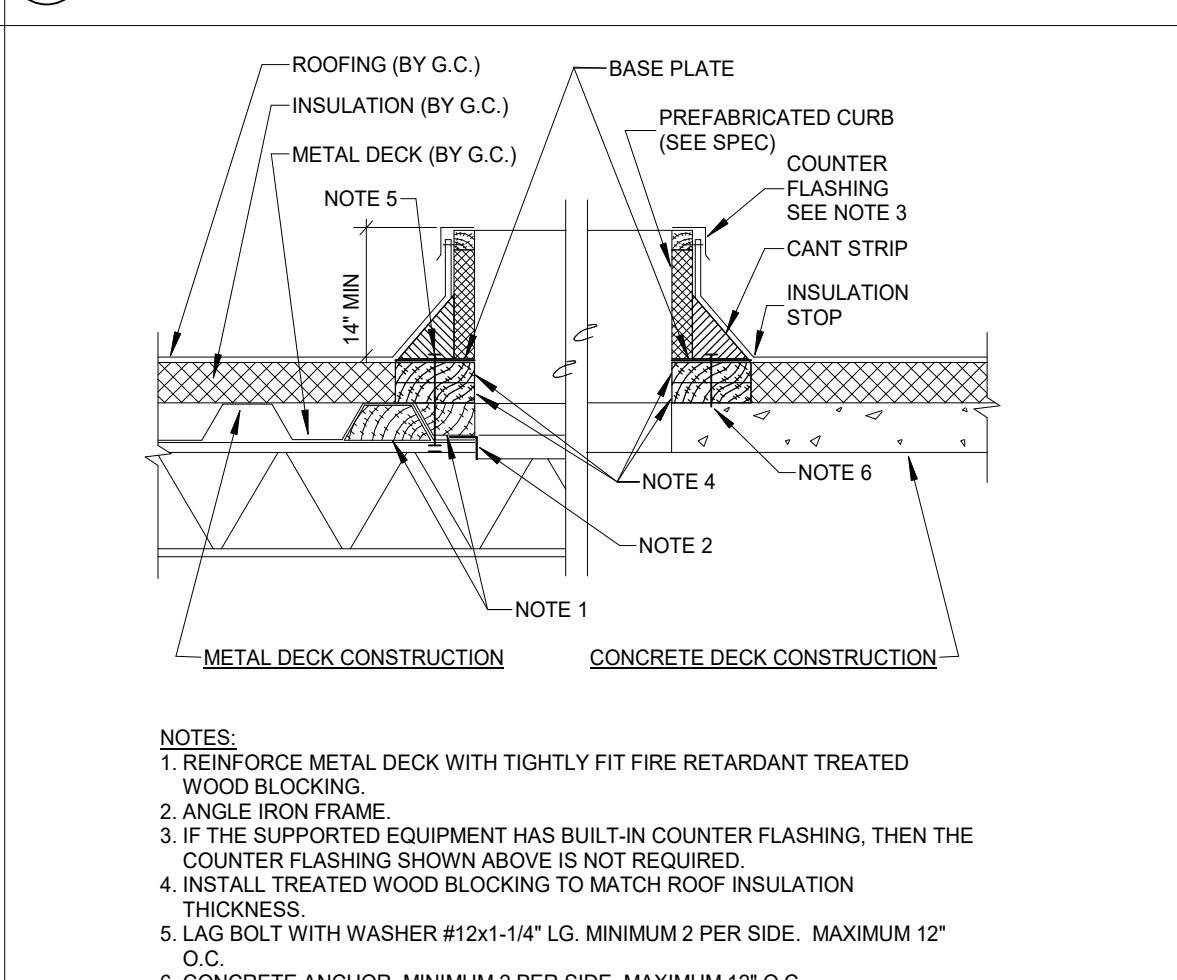
10 ROOF TOP UNIT CONDENSATE DRAIN TRAP DETAIL
NOT TO SCALE



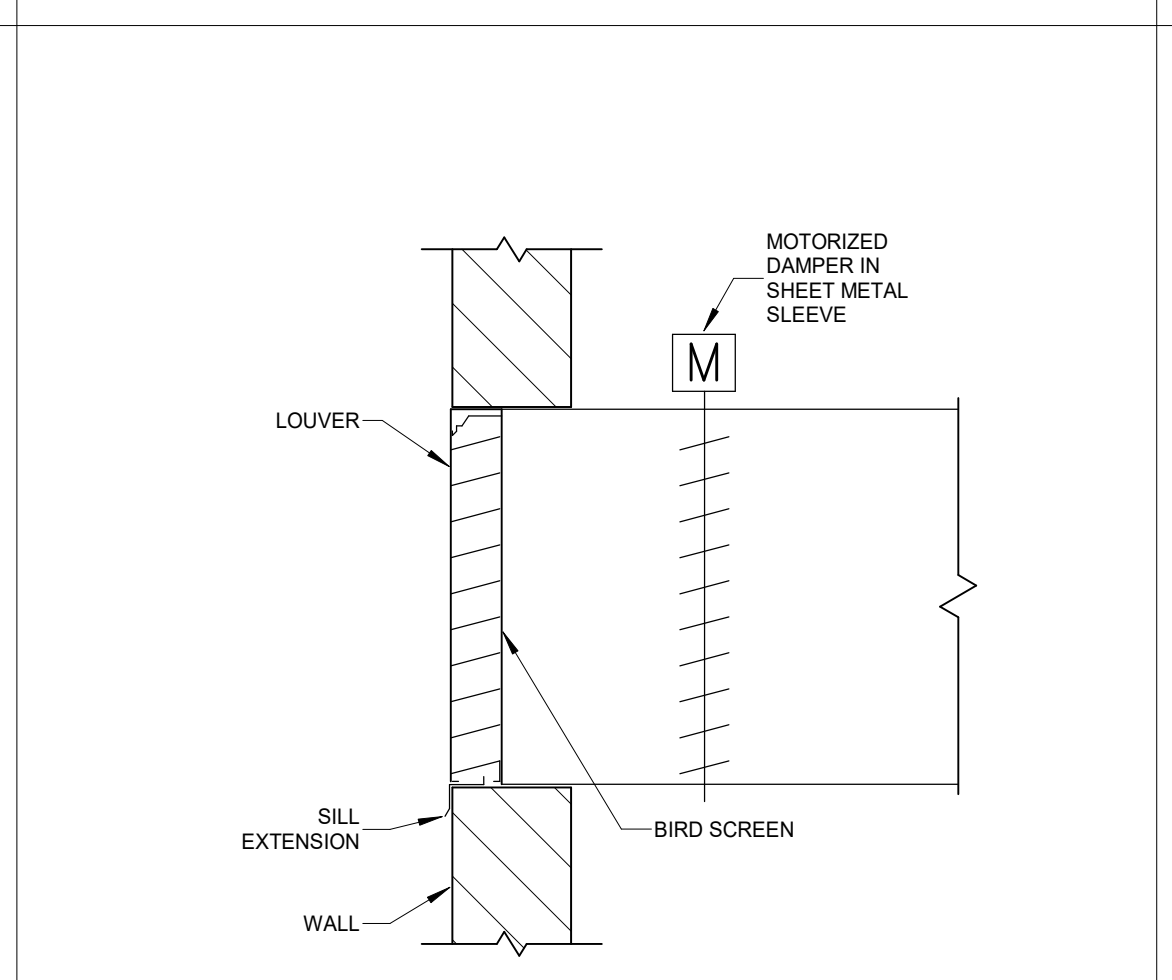
5 R.A. SOUND BOOT DETAIL
NOT TO SCALE



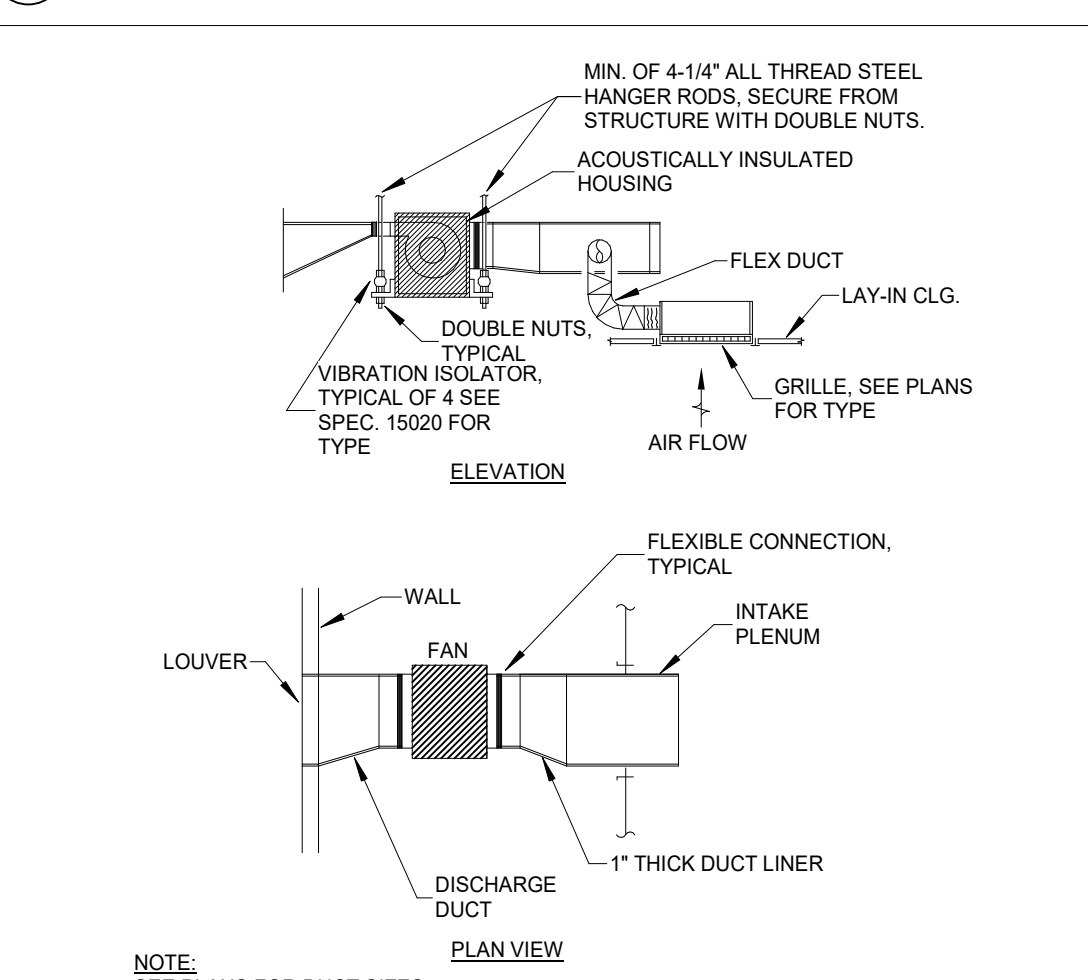
29 OIL PUMP DETAIL
NOT TO SCALE



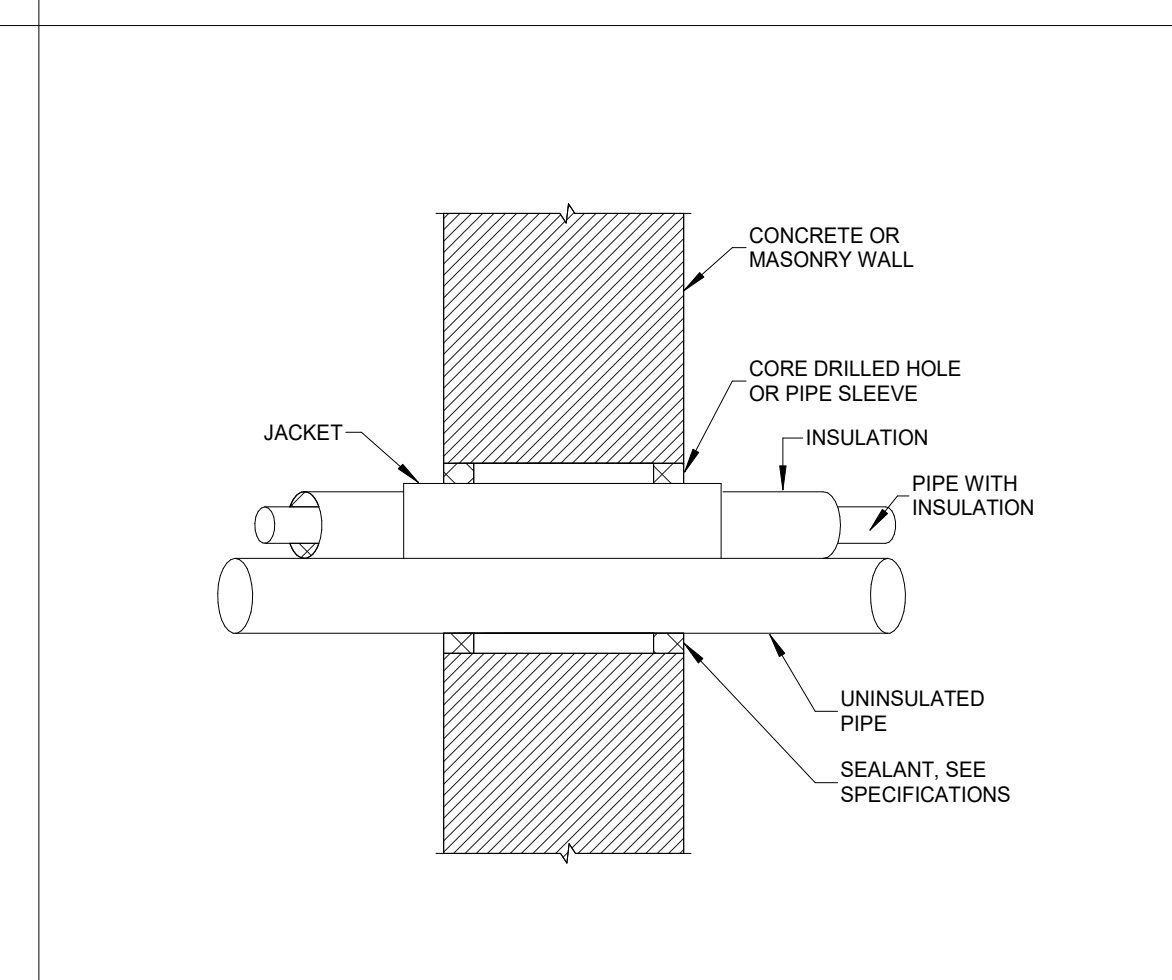
24 CURB DETAIL - TYPE A
NOT TO SCALE



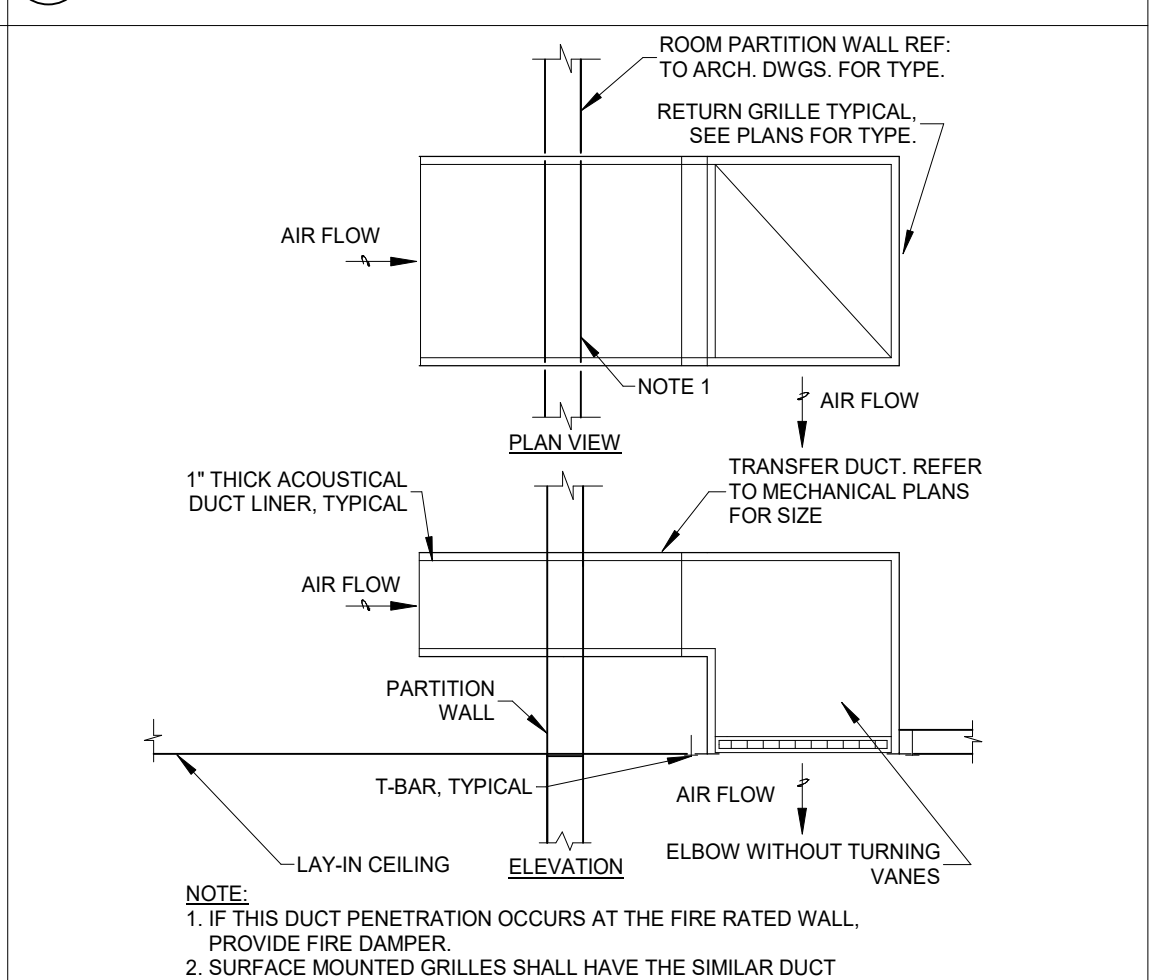
19 LOUVER WITH MECHANICAL DAMPER DETAIL
NOT TO SCALE



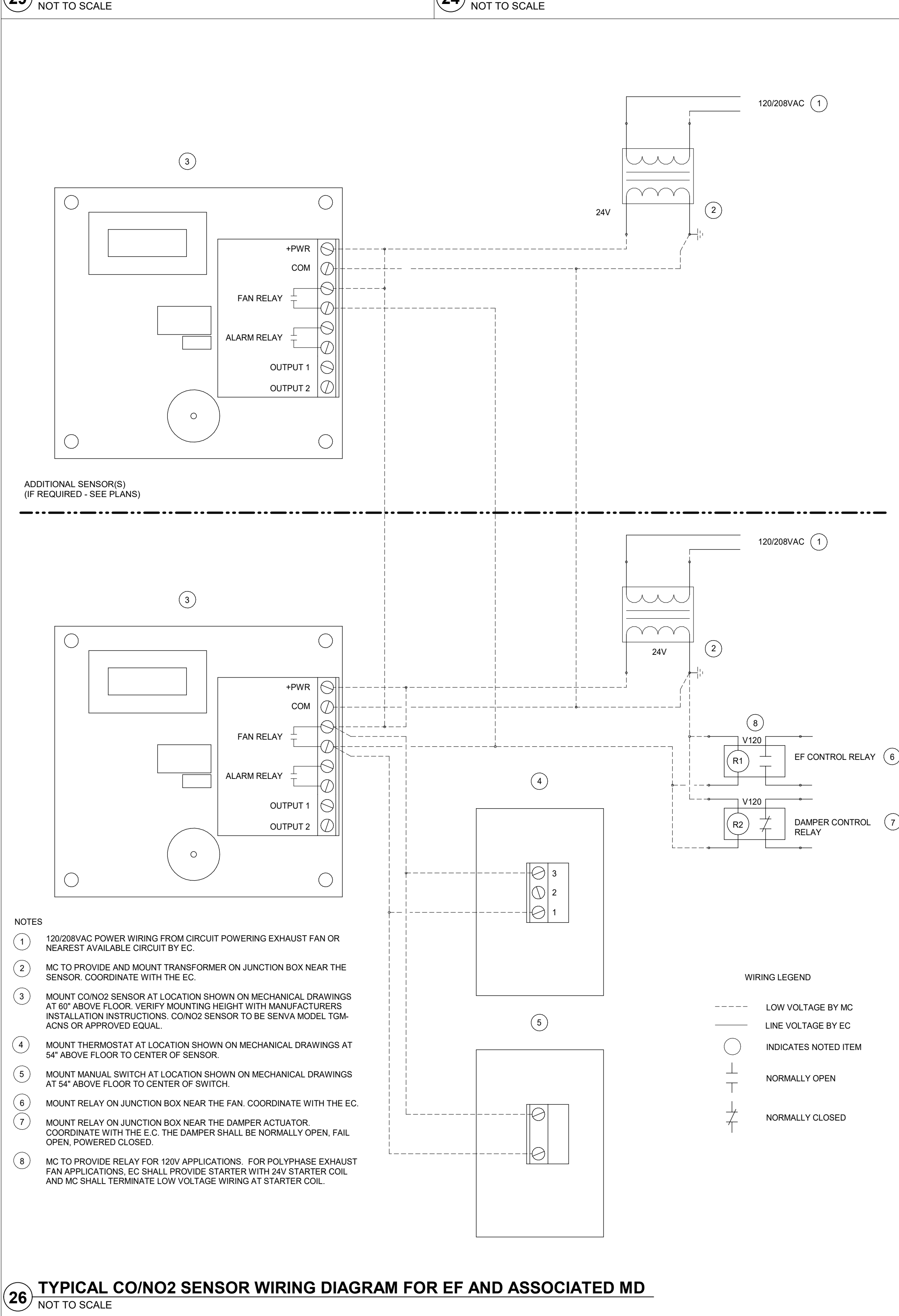
14 IN-LINE CEILING EXHAUST FAN
NOT TO SCALE



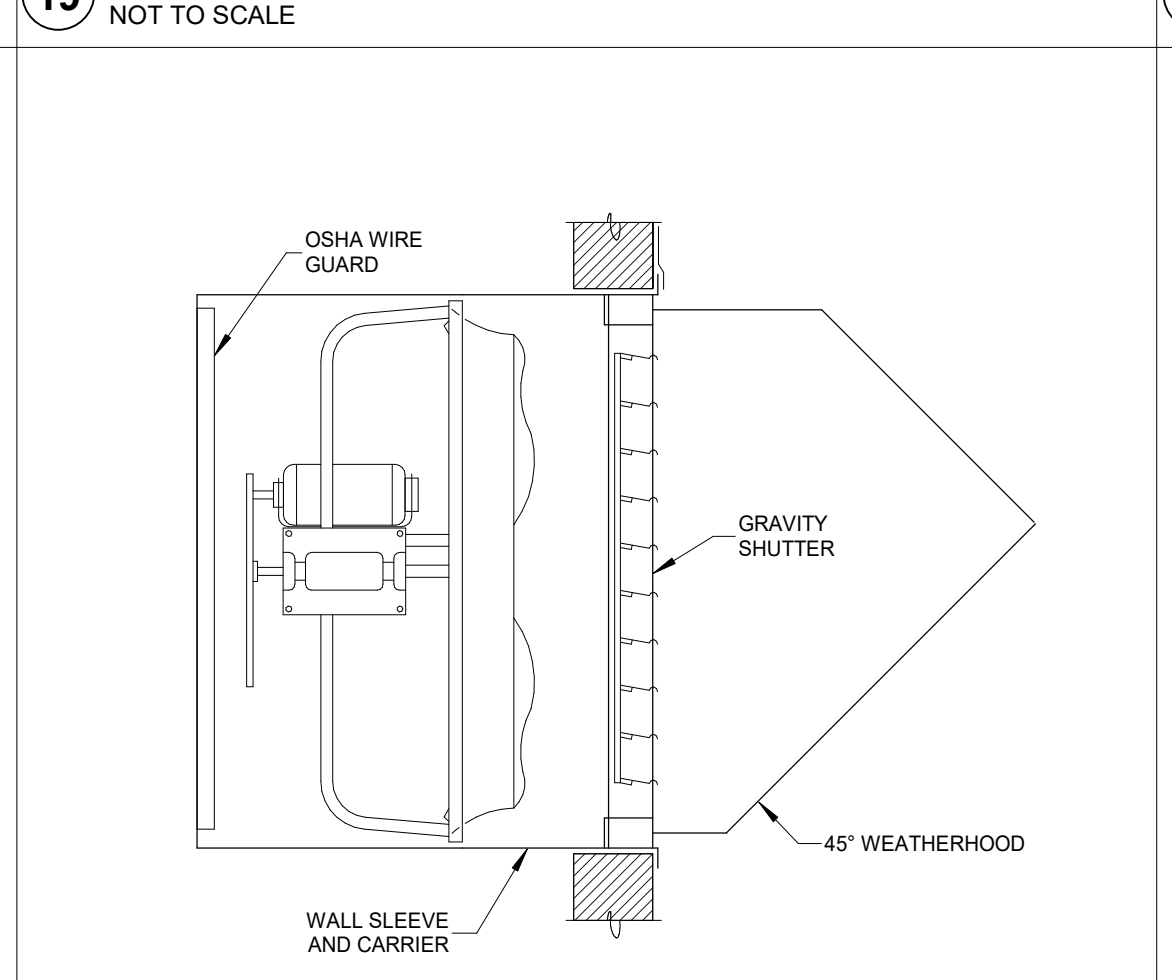
9 PIPING THROUGH NON-RATED MASONRY WALL
NOT TO SCALE



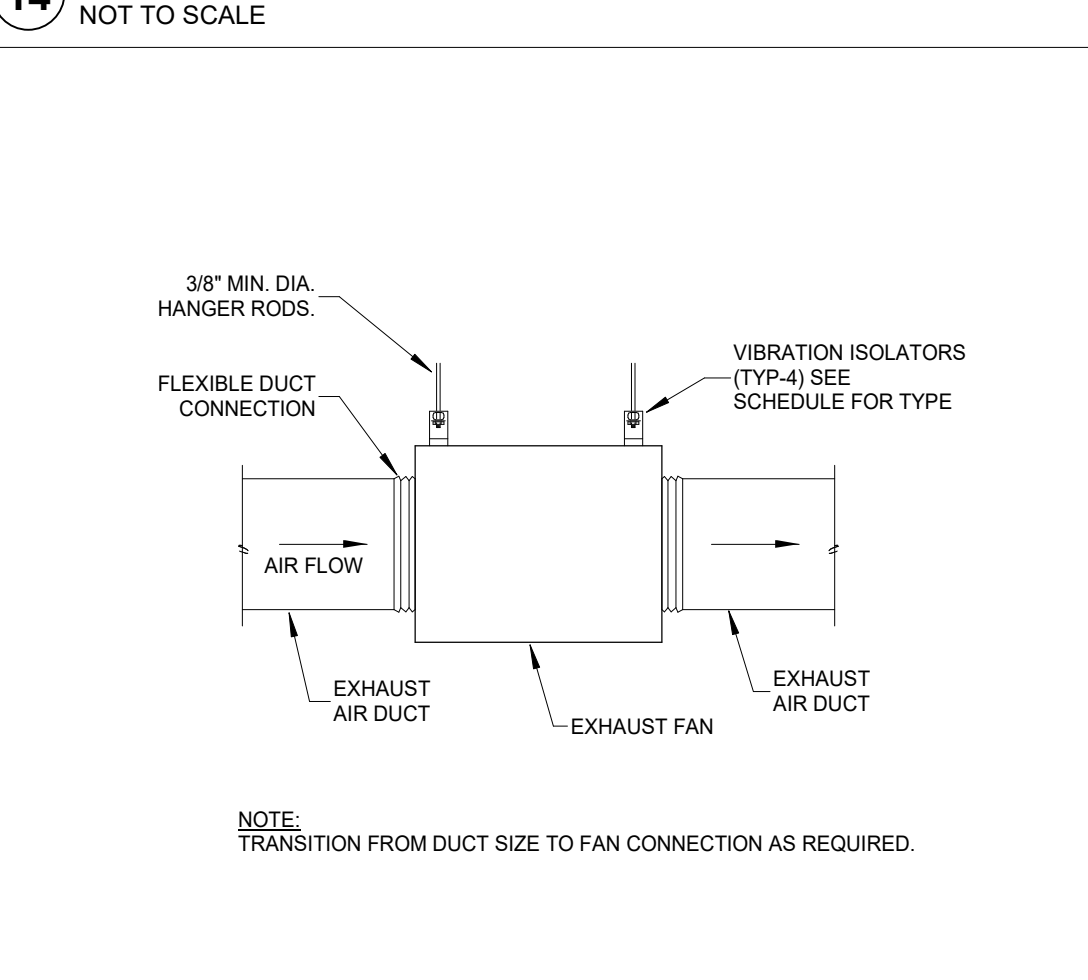
4 TRANSFER GRILLE & DUCT CONNECTIONS DETAIL
NOT TO SCALE



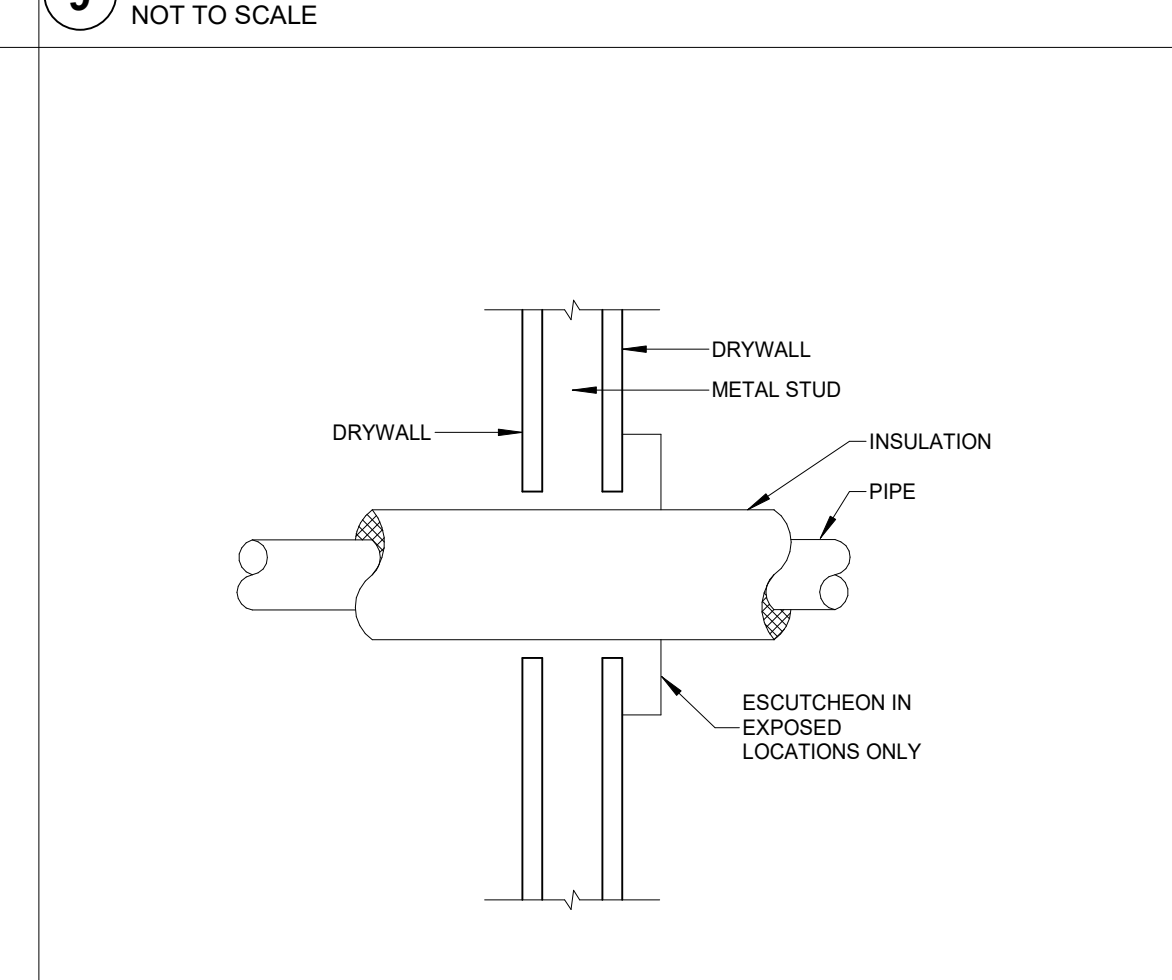
26 TYPICAL CO/NO2 SENSOR WIRING DIAGRAM FOR EF AND ASSOCIATED MD
NOT TO SCALE



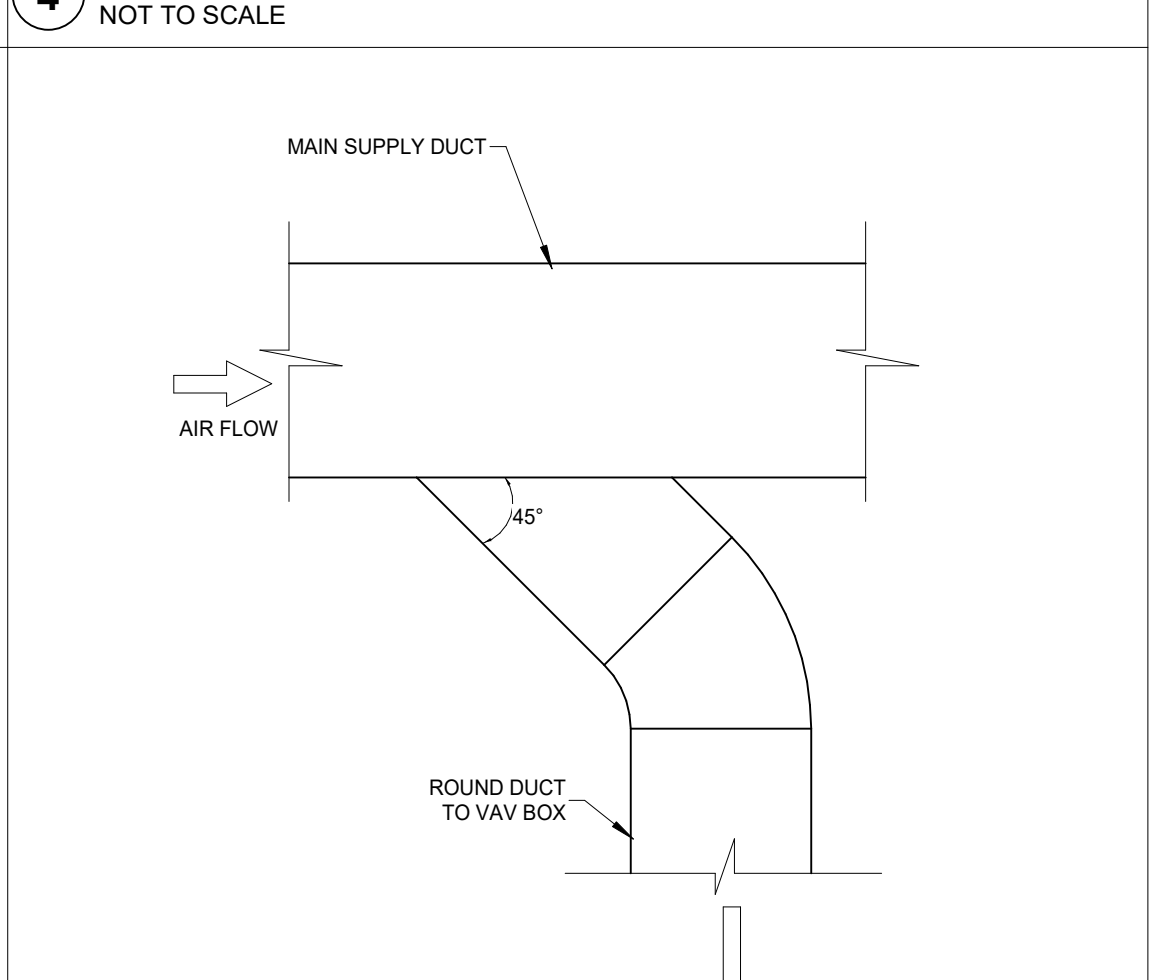
18 WALL MOUNTED FAN DETAIL
NOT TO SCALE



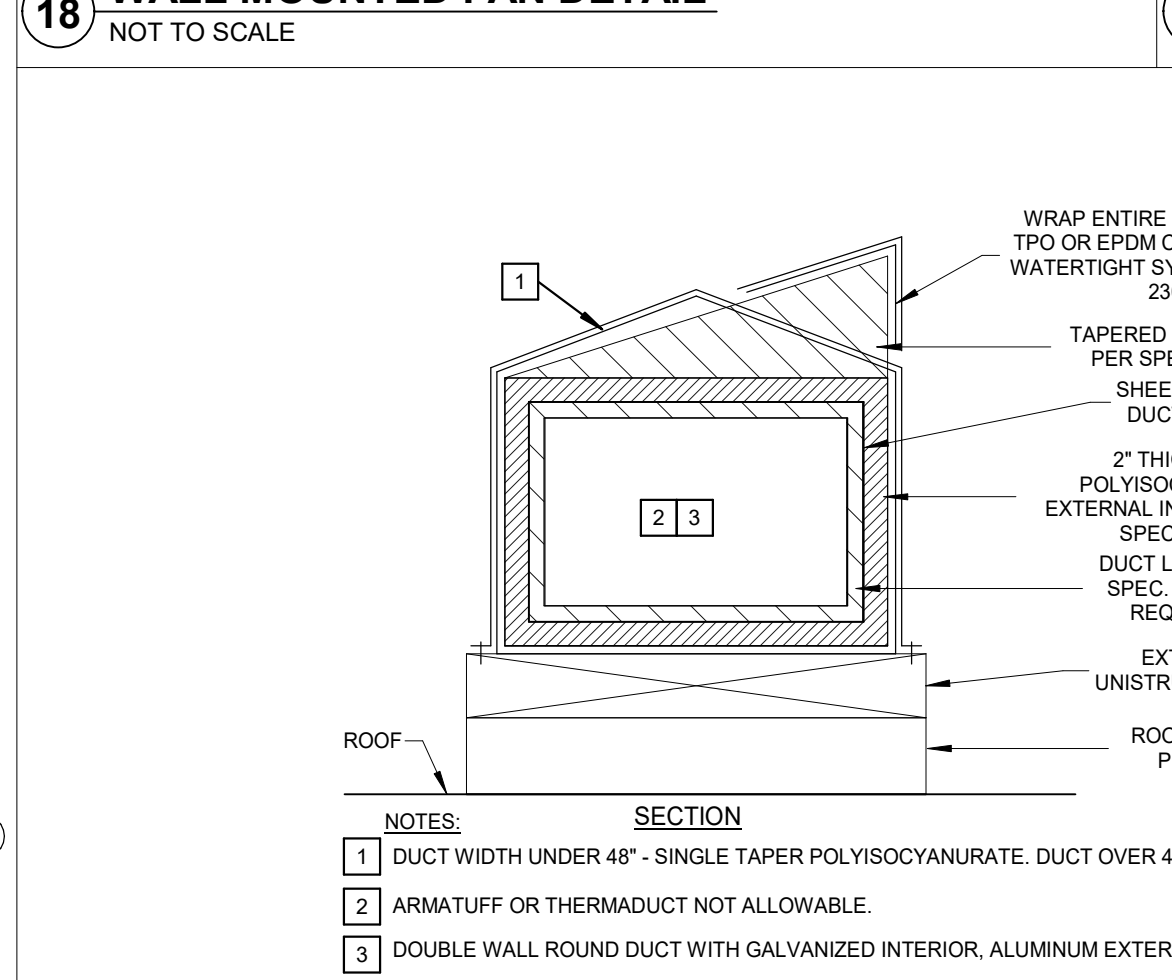
13 INLINE EXHAUST FAN CONNECTION DETAIL
NOT TO SCALE



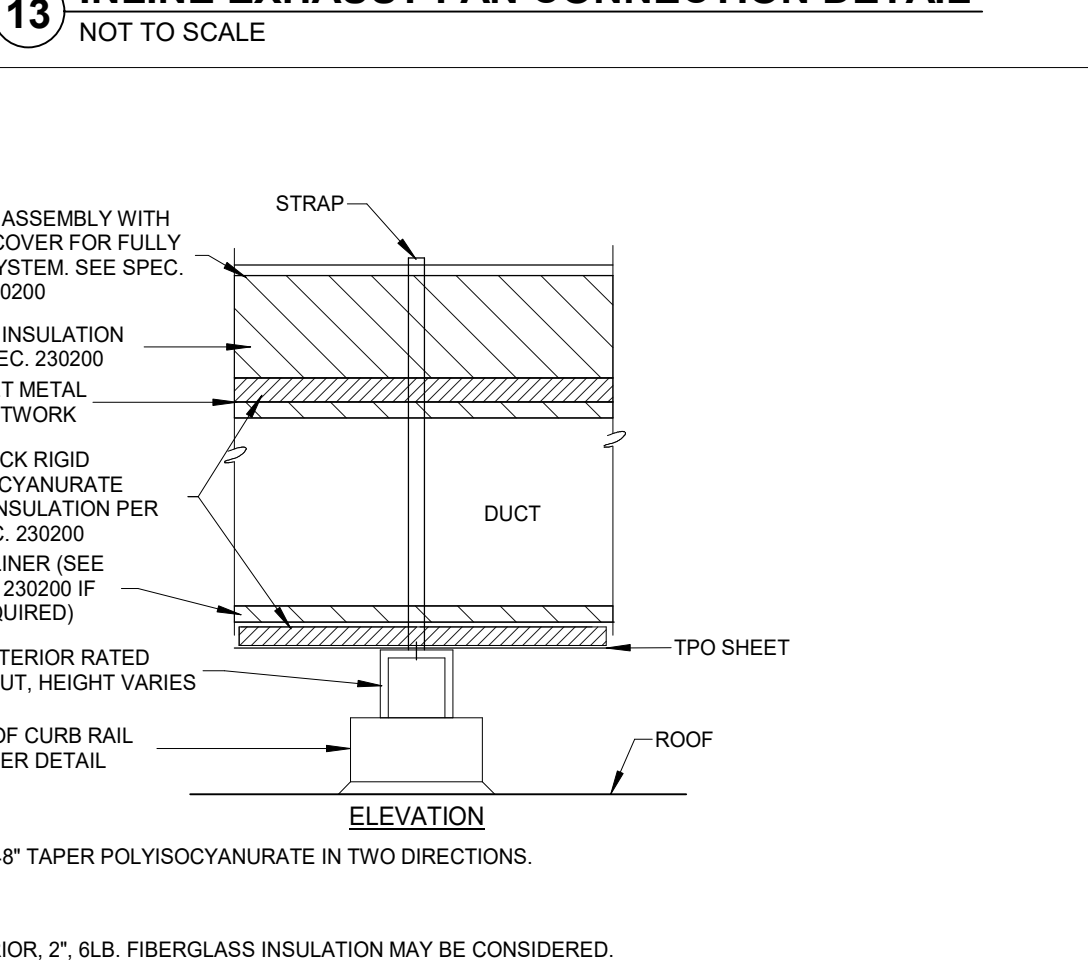
8 PIPING THROUGH NON-RATED FRAME WALL
NOT TO SCALE



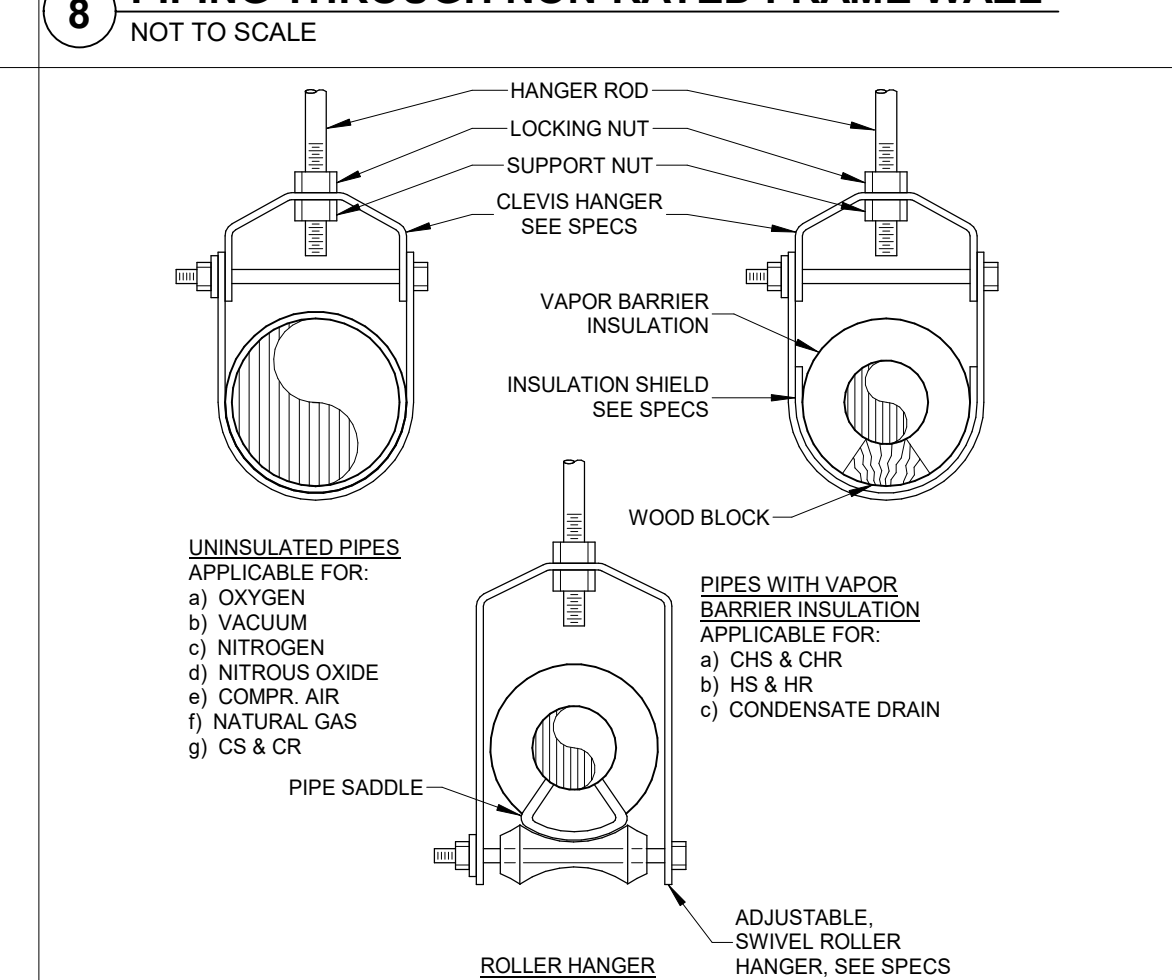
3 ROUND DUCT TAKE-OFF DETAIL
NOT TO SCALE



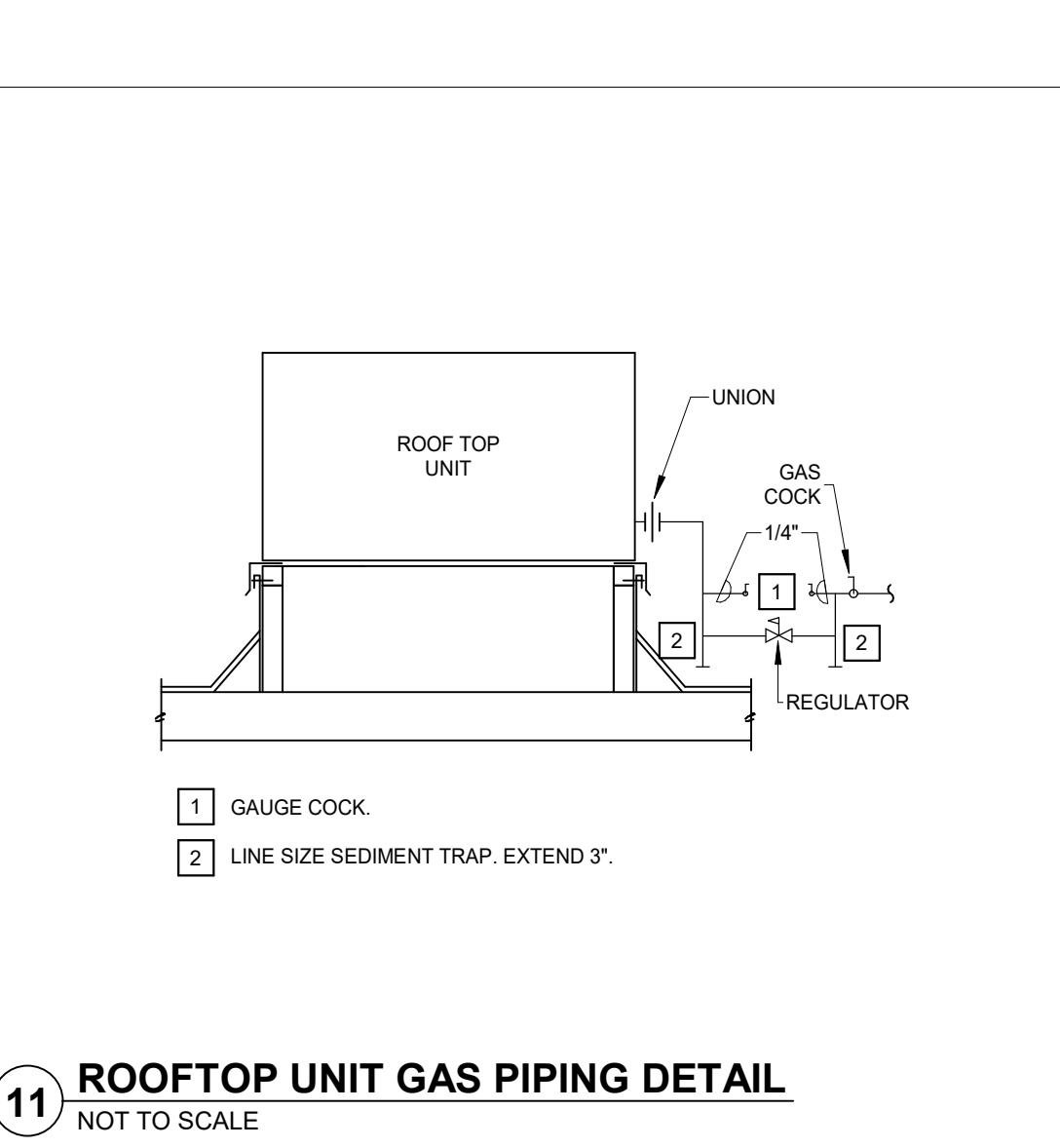
17 EXTERIOR DUCT INSTALLATION ON ROOF DETAIL
NOT TO SCALE



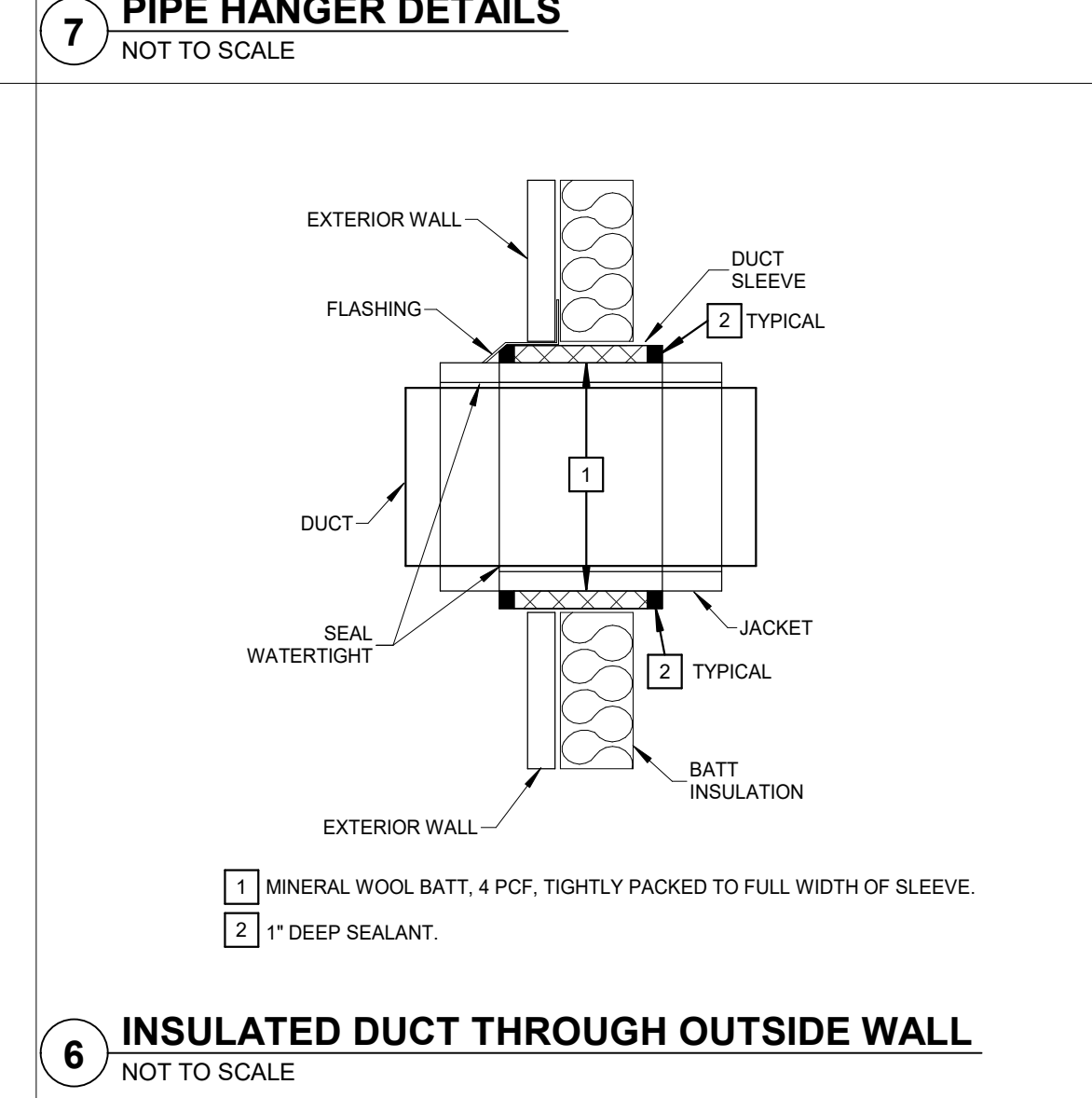
7 PIPE HANGER DETAILS
NOT TO SCALE



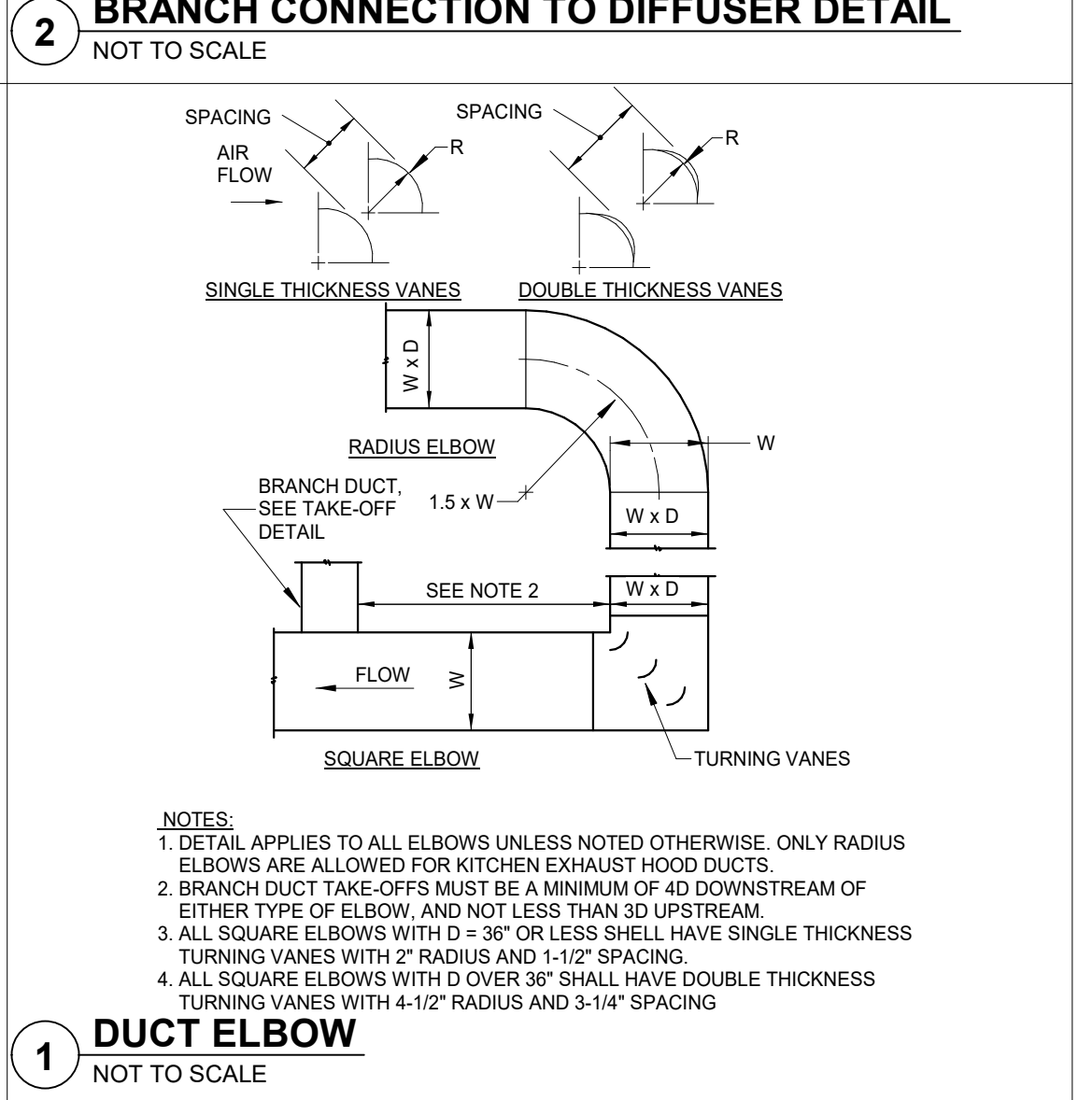
2 BRANCH CONNECTION TO DIFFUSER DETAIL
NOT TO SCALE



11 ROOFTOP UNIT GAS PIPING DETAIL
NOT TO SCALE



6 INSULATED DUCT THROUGH OUTSIDE WALL
NOT TO SCALE



1 DUCT ELBOW
NOT TO SCALE

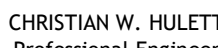


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TAYLOR COUNTY RECC

685 WATER TOWER BYPASS



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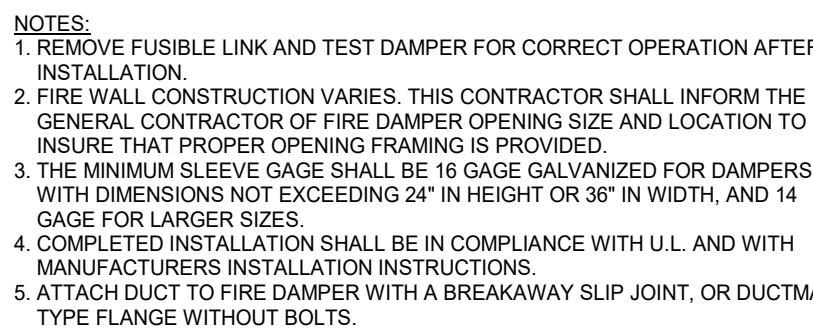
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Drawing Title:

MECHANICAL DETAILS

MO.4

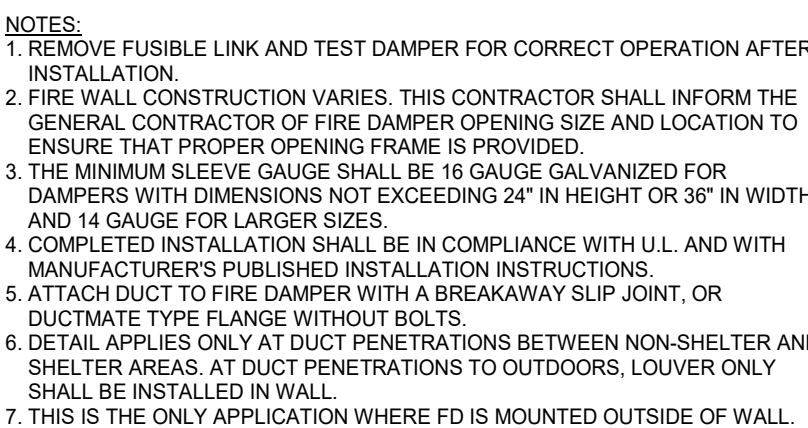


FIRE DAMPER - TYPE B - HORIZONTAL OR

NOT TO SCALE



5 NOT TO SCALE



8 LOUVER/FIRE DAMPER AT SHELTER WALL

NOT TO SCALE



3 PROVIDE CLEANOUTS AT BOTTOM OF ALL DRYER DUCTS AND FLOOR/CEILING MEMBRANES WHERE DRYER BOX IS NOT INSTALLED. FOR EXAMPLE, COMMERCIAL CLOTHES DRYER.

4 PROVIDE ZERO PRESSURE LOSS 90° ELBOW PER SPECIFICATION 230900

4 PROVIDE ZERO PRESSUE LOSS 90° ELBOW PER SPECIFICATION 230900

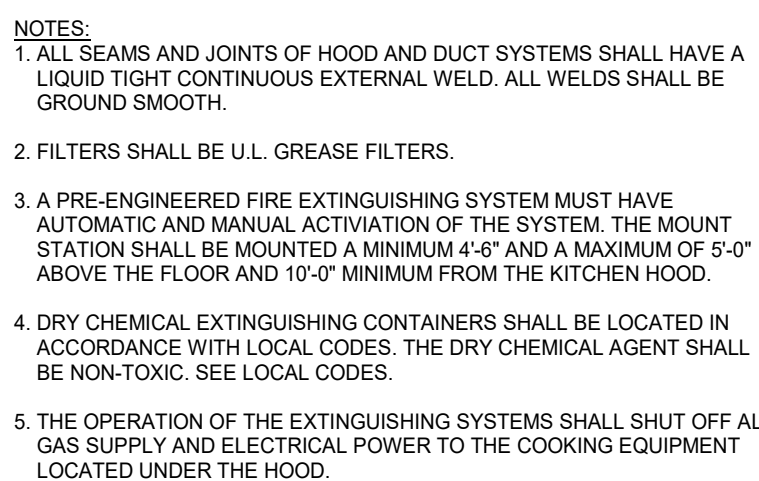
4 NOT TO SCALE



3 NOT TO SCALE

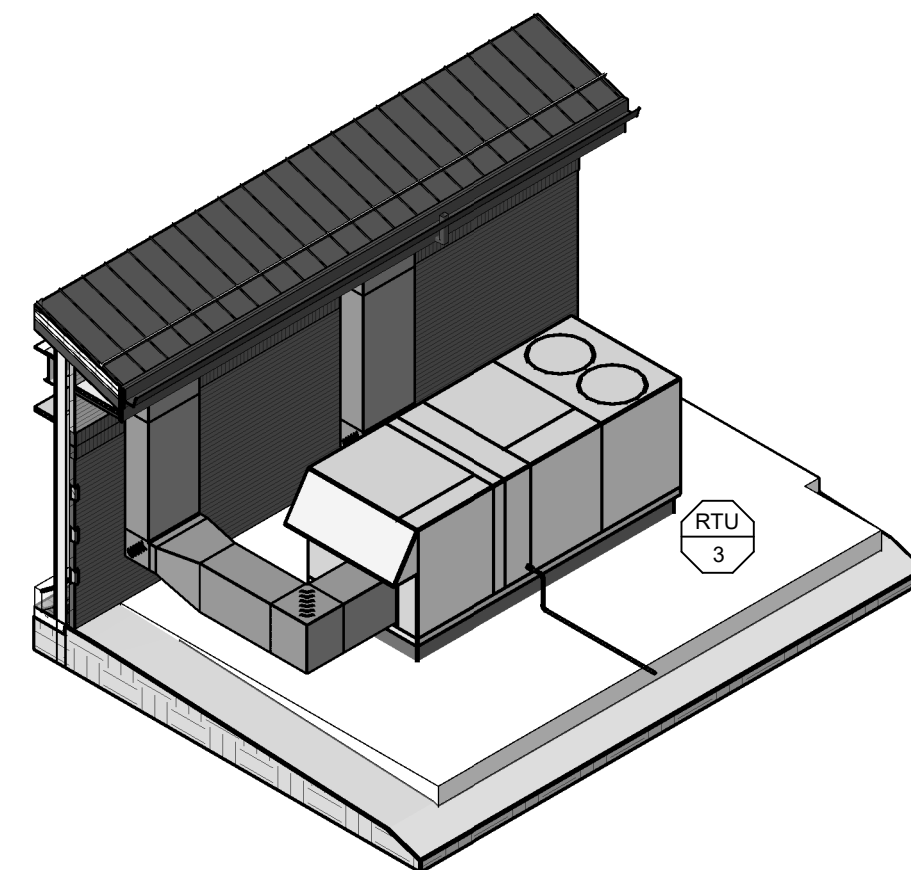


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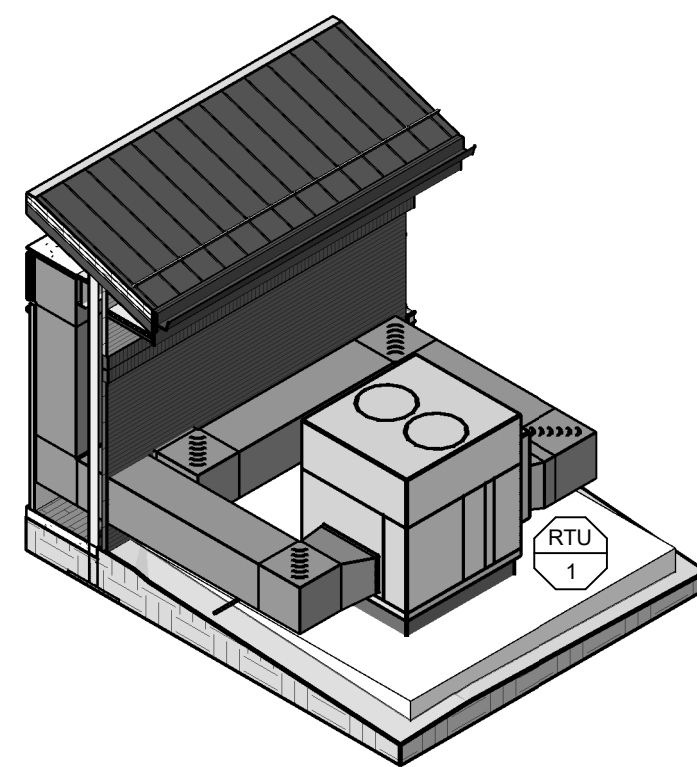


RESIDENTIAL RANGE KITCHEN HOOD DETAIL

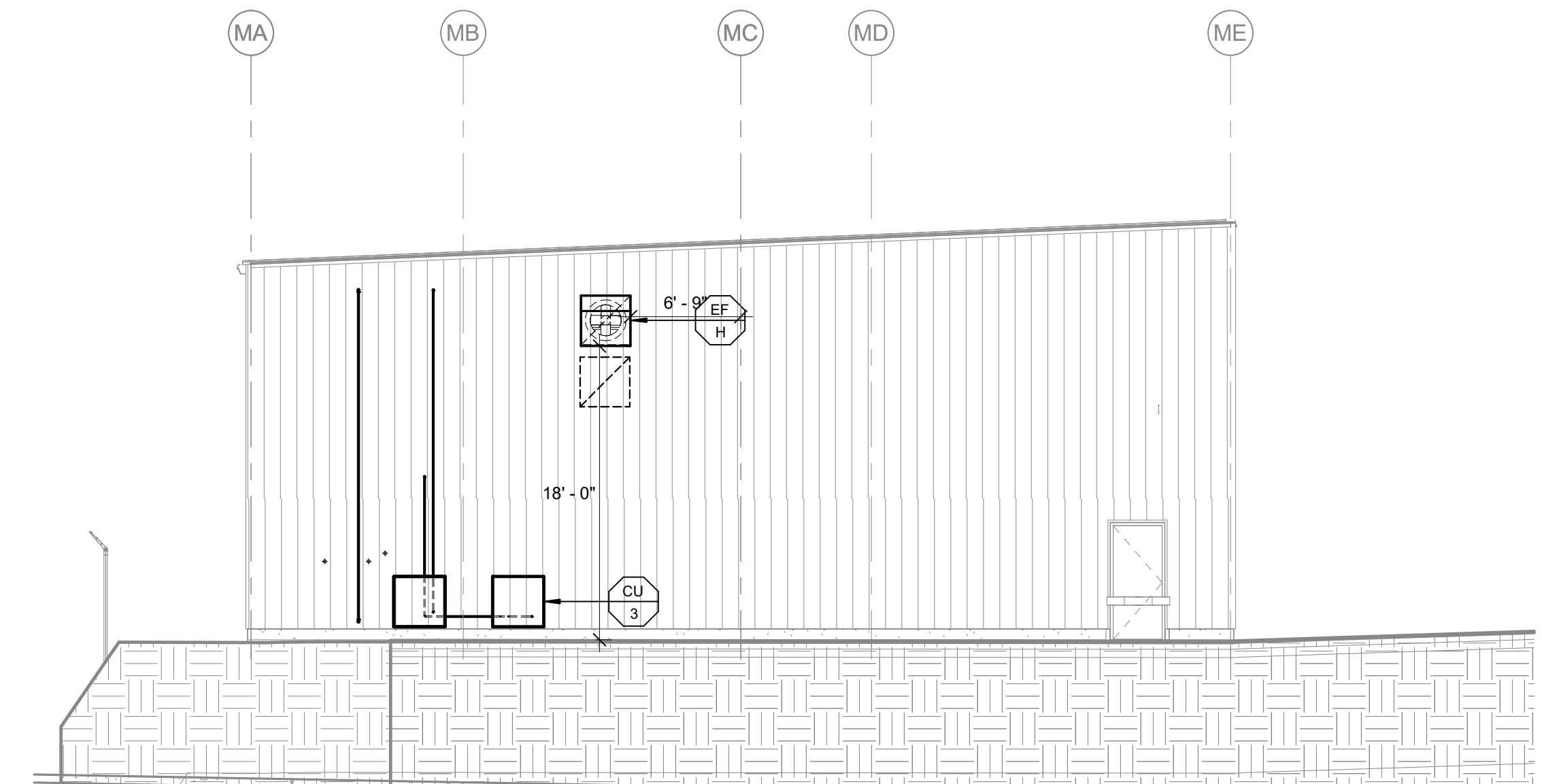
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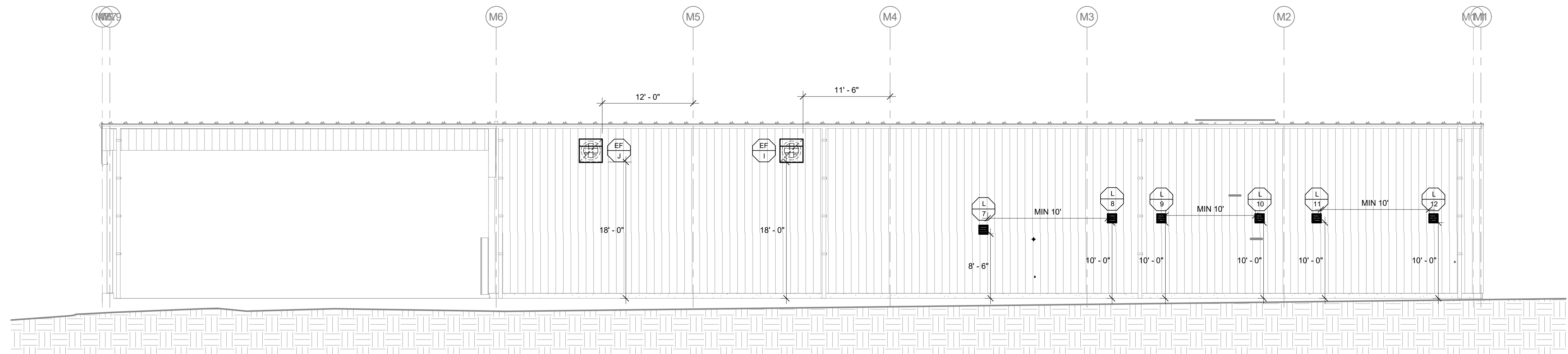
5 RTU-3 3D
NOT TO SCALE



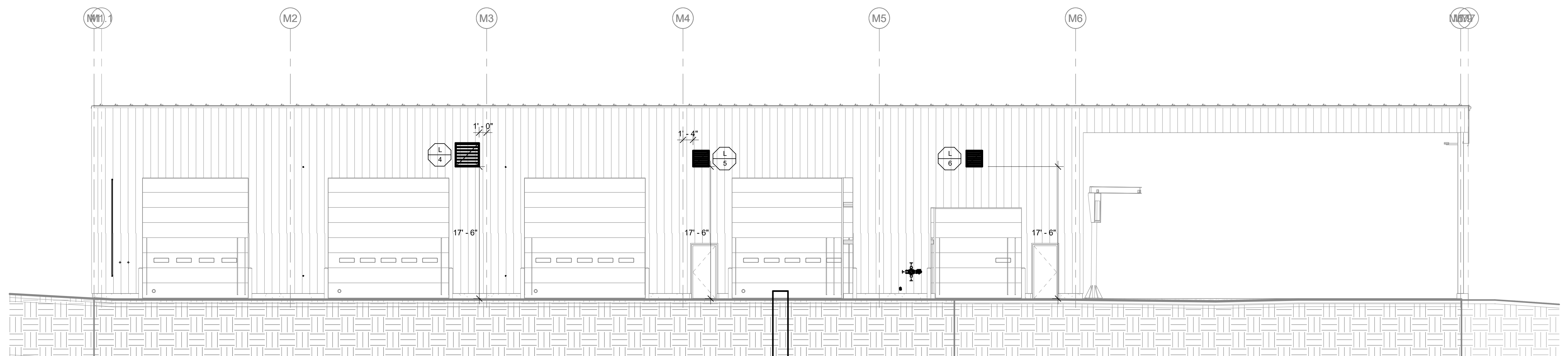
4 RTU-1 3D
NOT TO SCALE



2 MECHANICAL MAINTENANCE ELEVATION - NORTH
SCALE: 1/8" = 1'-0"



3 MECHANICAL MAINTENANCE ELEVATION - WEST
SCALE: 1/8" = 1'-0"



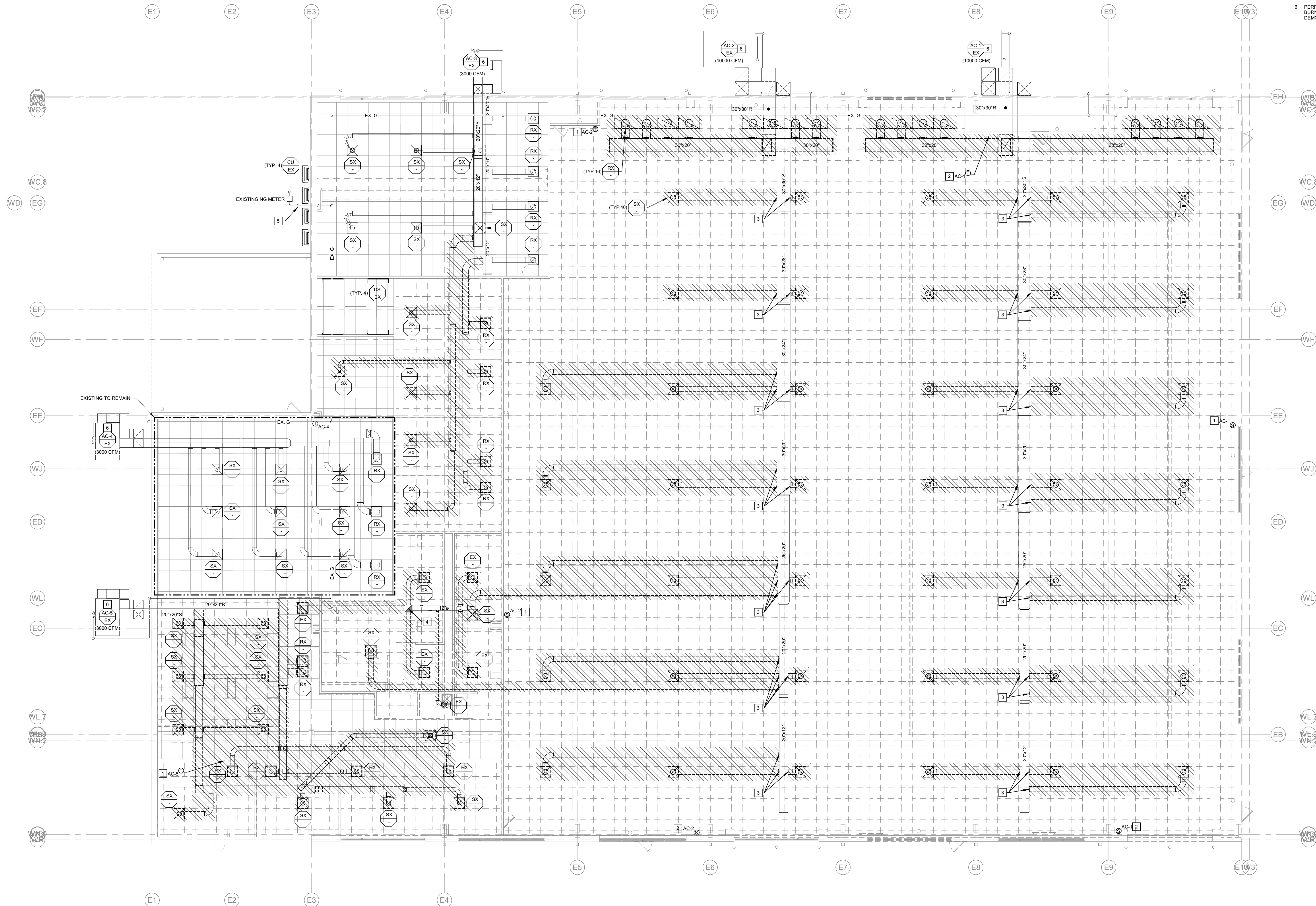
1 MECHANICAL MAINTENANCE ELEVATION - EAST
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

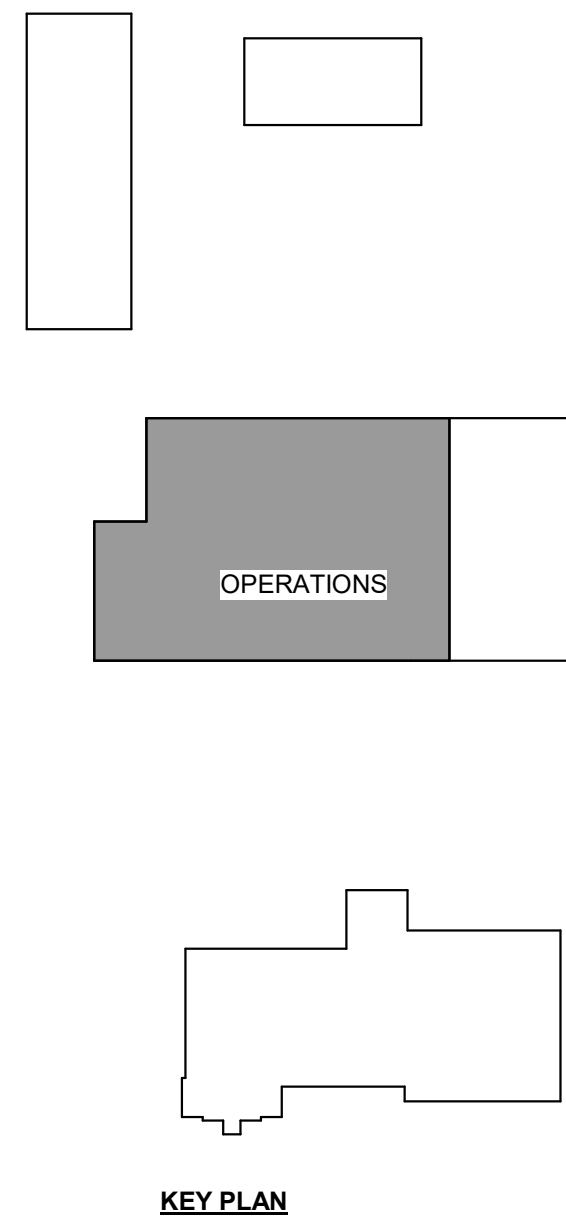
- REFER TO SHEET MD.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
- DEMOLISH DUCTWORK AND AIR DEVICES SHOWN HATCHED OR WITH DASHED LINES.

KEYED NOTES:

- DISCONNECT AND SALVAGE THERMOSTATS/SENSORS FOR RELOCATION.
- SALVAGE EXISTING THERMOSTATS/SENSORS FOR ANTICIPATED WALL WORK. MAINTAIN EXISTING ROUGH-IN.
- PATCH OPENING IN DUCT MAIN. SEE DUCT PATCH DETAIL ON SHEET MD.3.
- 16"x16" EXHAUST DUCT UP TO EXISTING EXHAUST FAN ON ROOF TO REMAIN.
- VALVE AND CAP EXISTING 1-1/4" GAS PIPE TO EXISTING MAINTENANCE BUILDING (TO BE DEMOLISHED).
- PERFORM FULL DIAGNOSTIC CHECK ON UNIT SUPPLY FAN, COMPRESSOR(S), AND GAS BURNER. COMMUNICATE FINDINGS TO ARCHITECT/ENGINEER PRIOR TO DEMOLITION/RENOVATION WORK.



FIRST FLOOR MECHANICAL DEMOLITION PLAN - OPERATIONS
SCALE: 1/8" = 1'-0"
NORTH

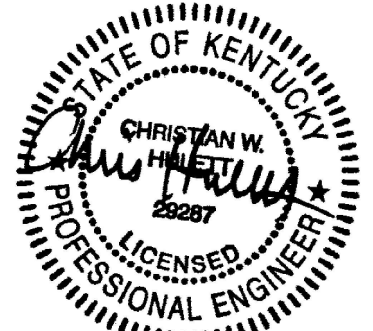


TAYLOR COUNTY RECC

685 WATER TOWER BYPASS
CAMBELLSVILLE, KY 42718



CHRISTIAN W. HULETT
Professional Engineer
KY LIC#: 29287
EXP: 06/30/2027



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MECHANICAL PLAN -
OPERATIONS

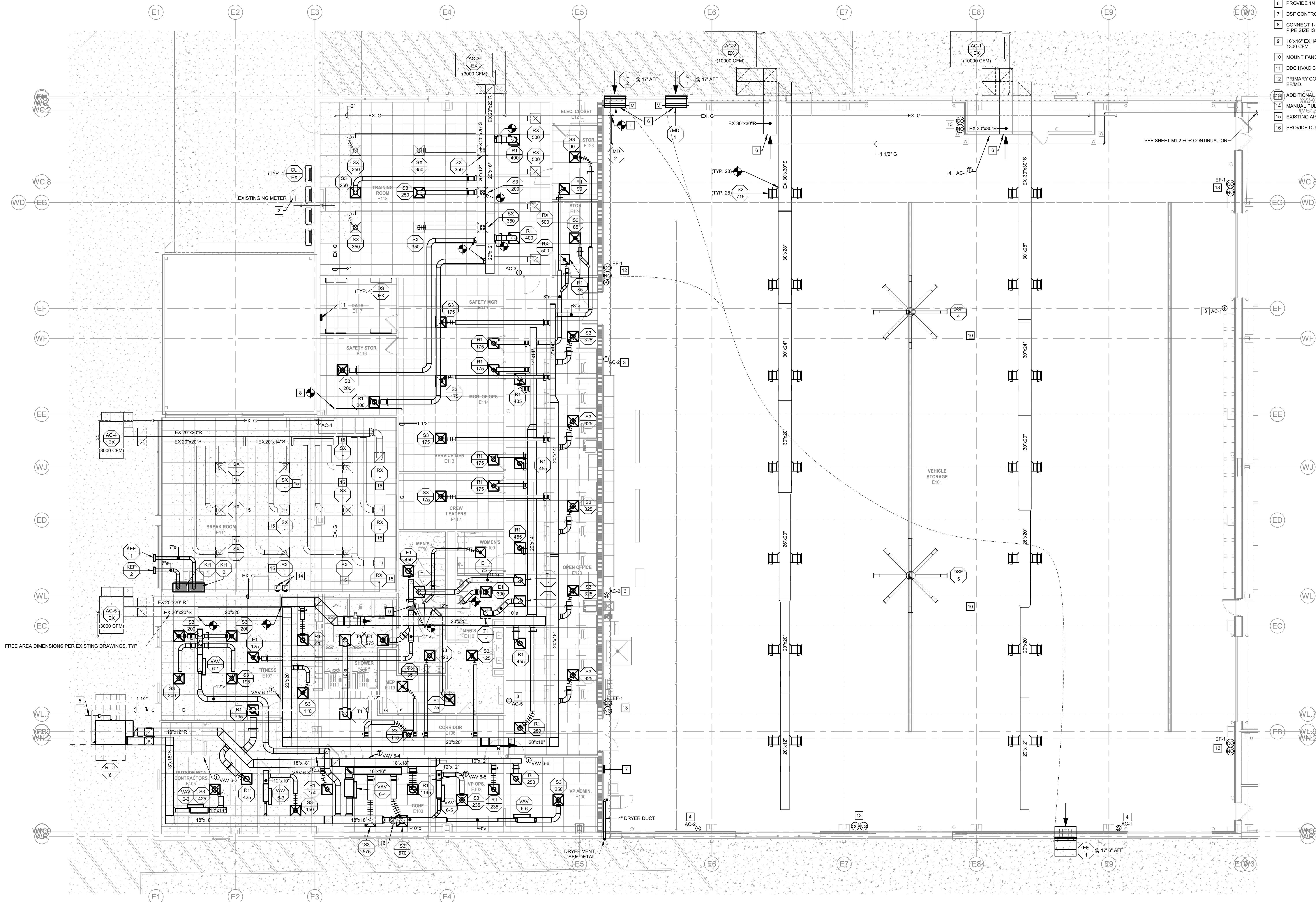
M1.1

GENERAL NOTES:

- REFER TO SHEET M0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
- EACH VAV BOX SHALL HAVE AN SCR REHEAT COIL AND LOCAL THERMOSTAT. PROVIDE ALL REQUIRED INTEGRATED CONTROLS FROM THE FACTORY FOR A RTU VAV SYSTEM.
- ALL THERMOSTATS AND SENSORS ARE TO BE MOUNTED 48" AFF.

KEYED NOTES:

- CONNECT 1-1/2" LOW PRESSURE GAS PIPING INTO EXISTING PIPING WHERE EXISTING PIPE SIZE IS 2" OR GREATER.
- COORDINATE WITH GAS UTILITY TO UPSIZE GAS METER TO ACCOMMODATE 860 ADDITIONAL CFM OF GAS.
- RE-INSTALL SALVAGED THERMOSTATS/SENSORS AT NEW LOCATION AS SHOWN.
- RE-INSTALL SALVAGED THERMOSTATS/SENSORS AT LOCATION OF EXISTING ROUGH-IN.
- CONDENSATE DRAIN SIZE TO MATCH CONNECTION SIZE AT UNIT. CONDENSATE TO SPILL TO GRADE. PIPE DRAIN CLEAR OF UNIT AND CONCRETE PAD.
- PROVIDE 1/4" MESH SCREEN AT OPEN ENDED DUCT.
- DSF CONTROL PANEL.
- CONNECT 1-1/2" LOW PRESSURE GAS PIPING INTO EXISTING PIPING WHERE EXISTING PIPE SIZE IS 2" OR GREATER.
- 16"x16" EXHAUST DUCT UP TO EXISTING EXHAUST FAN ON ROOF. REBALANCE FAN TO 1300 CFM.
- MOUNT FANS AT 20" AFF TO BLADES.
- DDC HVAC CONTROLLER FOR RTU 6 AND ASSOCIATED VAV BOXES.
- PRIMARY COMBINATION COINQ2 SENSOR, THERMOSTAT AND MANUAL SWITCH FOR EF/MD.
- ADDITIONAL COINQ2 SENSORS FOR EXHAUST FAN FOR FULL COVERAGE.
- MANUAL PULL STATION FOR KITCHEN HOOD.
- EXISTING AIRFLOW TO REMAIN.
- PROVIDE DUCT MOUNTED STATIC PRESSURE SENSOR.



FIRST FLOOR MECHANICAL PLAN - OPERATIONS
SCALE: 1/8" = 1'-0"
NORTH

KEY PLAN

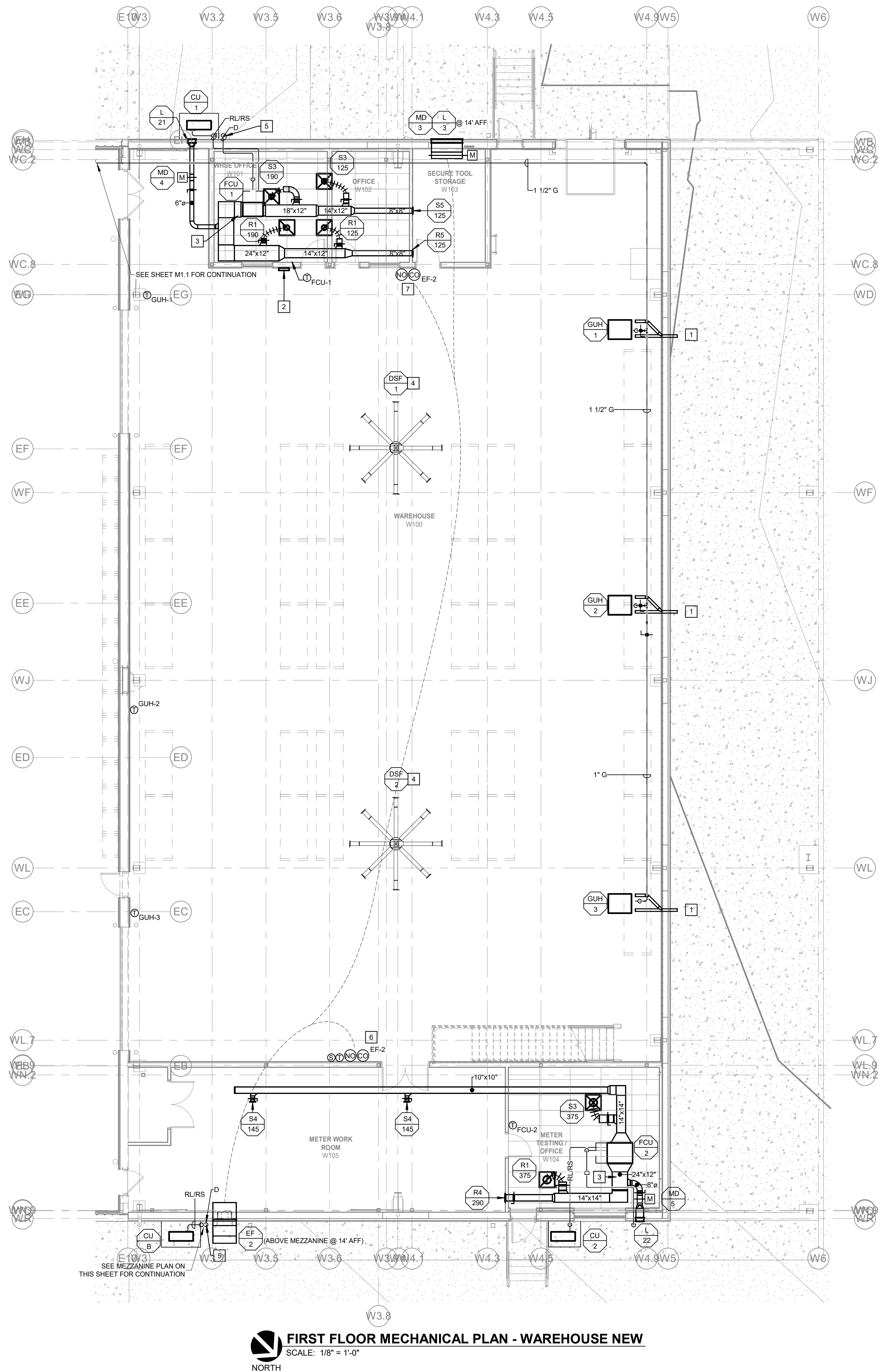
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GENERAL NOTES:

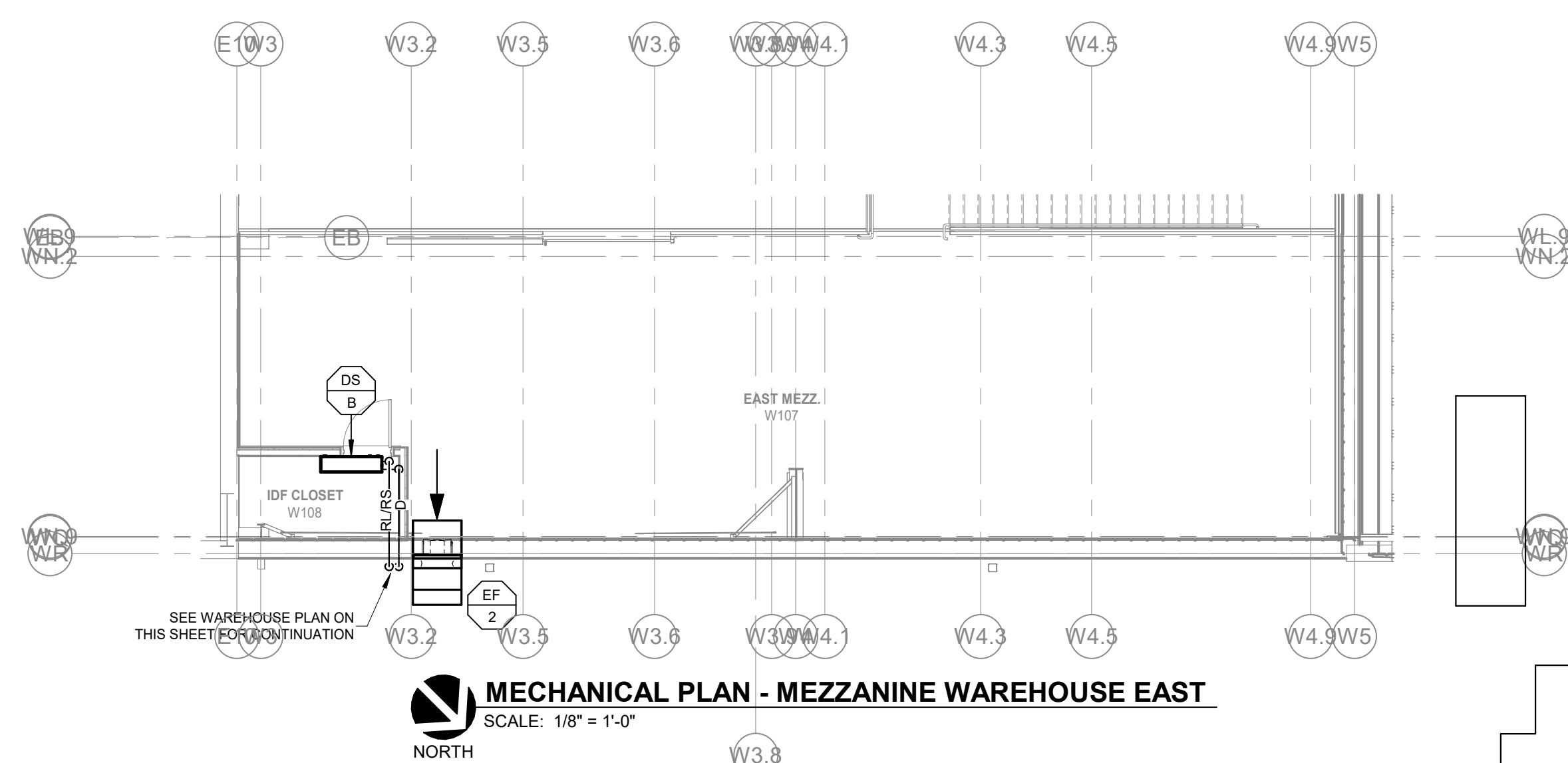
1. REFER TO SHEET M0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. EACH FAN COIL UNIT SHALL HAVE A REFRIGERANT LINESET FROM THE OUTDOOR UNIT, A CONDENSATE DRAIN PIPE TO THE NEAREST FLOOR DRAIN, AND A 7-DAY PROGRAMMABLE THERMOSTAT.
3. EACH UNIT HEATER SHALL HAVE A WALL MOUNTED THERMOSTAT FURNISHED WITH THE UNIT.

KEYED NOTES:

- 1 4" CONCENTRIC INTAKE/FLUE PIPING FOR UNIT HEATER. SEE SHEET M0.3 FOR DETAIL.
- 2 DSF CONTROL PANEL.
- 3 INCLUDE FIELD-FABRICATED FILTER BANK AT RETURN OF UNIT. INCLUDE 2" MERV 8 FILTER IN BANK.
- 4 MOUNT FANS AT 17" 6" AFF TO BLADES.
- 5 CONDENSATE DRAIN TO DAYLIGHT. COORDINATE WITH CIVIL/STRUCTURAL TO PROVIDE GRAVEL TRENCH DRAIN IN CONCRETE, APPROXIMATELY 24"x24".
- 6 PRIMARY COMBINATION COINQ2 SENSOR, THERMOSTAT AND MANUAL SWITCH FOR EFMD.
- 7 ADDITIONAL COINQ2 SENSOR FOR EXHAUST FAN FOR FULL COVERAGE.

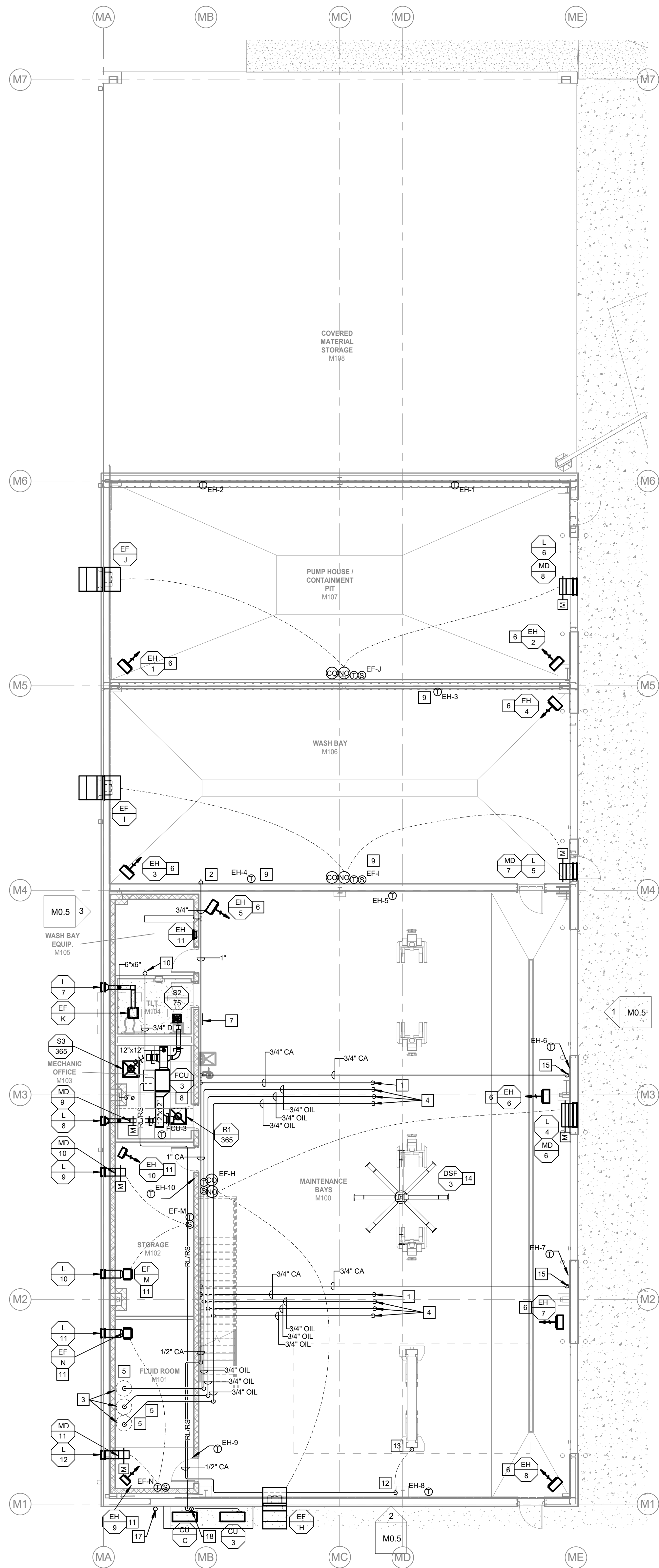


FIRST FLOOR MECHANICAL PLAN - WAREHOUSE NEW
SCALE: 1/8" = 1'-0"
NORTH

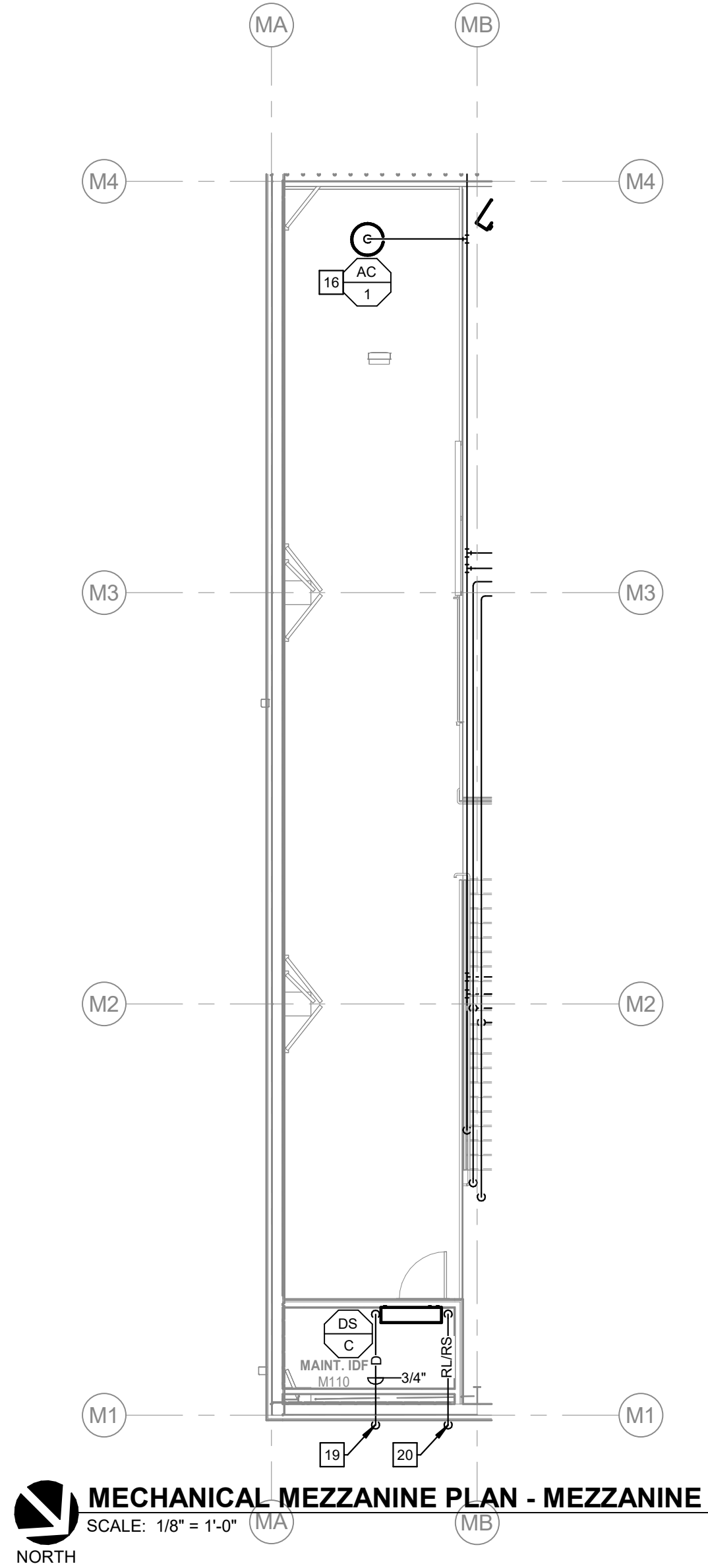


MECHANICAL PLAN - MEZZANINE WAREHOUSE EAST
SCALE: 1/8" = 1'-0"
NORTH

KEY PLAN



MECHANICAL FIRST FLOOR PLAN - MAINTENANCE
SCALE: 1/8" = 1'-0"
NORTH



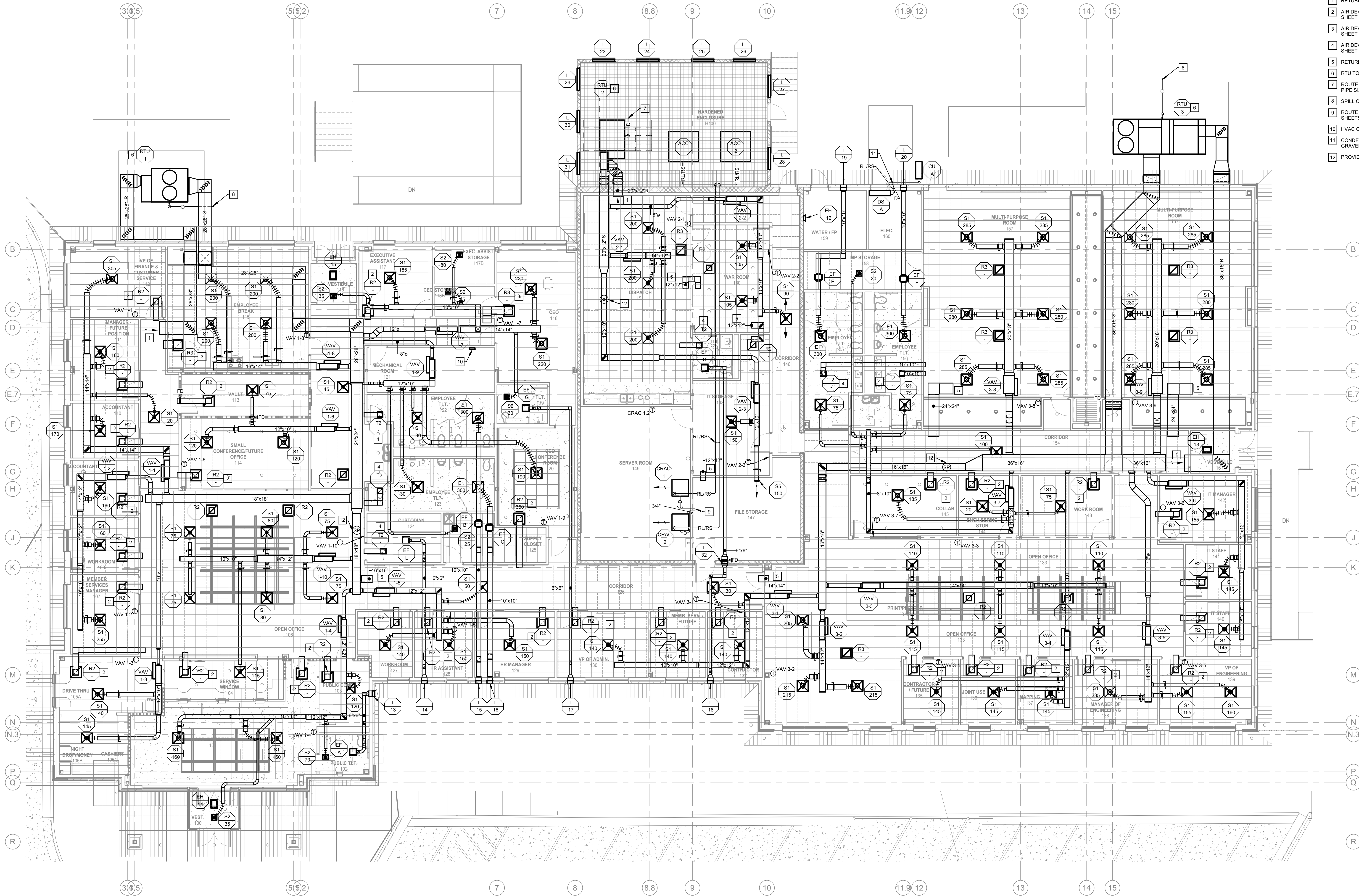
MECHANICAL MEZZANINE PLAN - MEZZANINE
SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES:

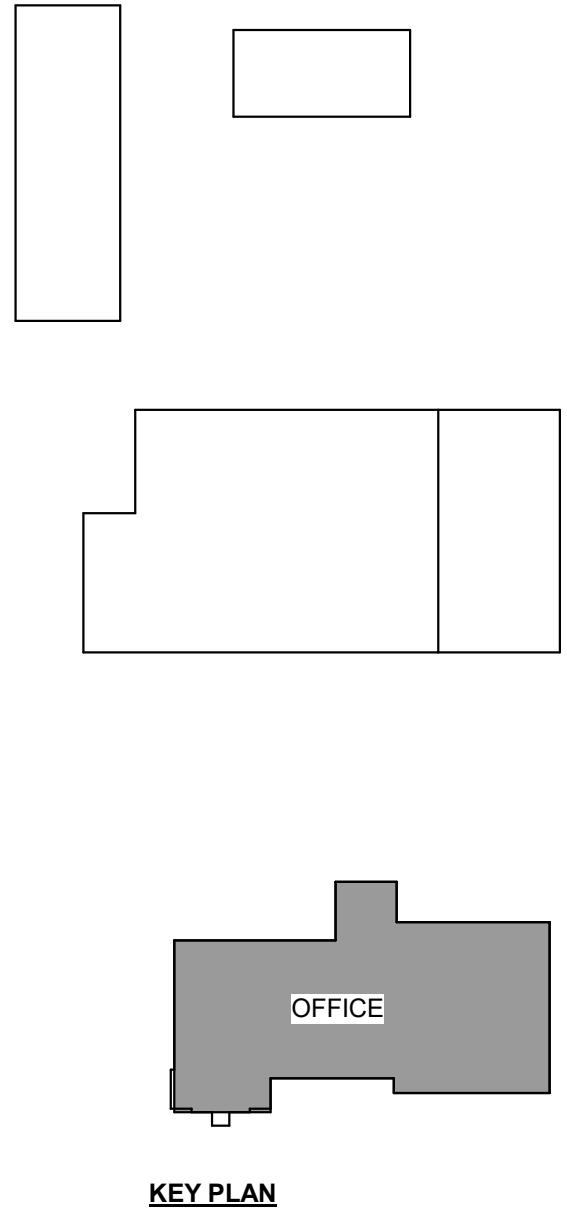
1. REFER TO SHEET M0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. EACH FAN COIL UNIT SHALL HAVE A REFRIGERANT LINESET FROM THE OUTDOOR UNIT. A CONDENSATE DRAIN PIPE TO THE NEAREST FLOOR DRAIN, AND A 7-DAY PROGRAMMABLE THERMOSTAT.
3. EACH UNIT HEATER SHALL HAVE A WALL MOUNTED THERMOSTAT FURNISHED WITH THE UNIT.

KEYED NOTES:

- 1 3/4" COMPRESSED AIR HOSE REEL MOUNTED ON CEILING. PROVIDE 75' HOSE ON RETRACTABLE REEL WITH ADJUSTABLE HOSE STOPS. HOSE REEL TO BE REELCRAFT D83075 OLP OR EQUAL.
- 2 3/4" COMPRESSED AIR DROP. INCLUDE BALL VALVE AT 7'-0" AND QUICK CONNECT FITTING AT 30". CONFIRM WITH OWNER FOR EXACT FITTING TYPE AND LOCATION.
- 3 MOTOR OIL DRUMS, BY OTHERS.
- 4 3/4" OIL PIPING DOWN TO HOSE REEL MOUNTED ON CEILING. HOSE TO BE 75' LENGTH. PROVIDE WITH ADJUSTABLE HOSE STOP. HOSE REEL TO BE REELCRAFT 83000 OMP OR EQUAL.
- 5 PROVIDE PNEUMATIC OIL PUMPS FOR EACH OIL DRUM. PROVIDE 1/4" COMPRESSED AIR CONNECTION TO PUMPS.
- 6 MOUNT HEATER AT 14" A.F.F.
- 7 DSF CONTROL PANEL.
- 8 INCLUDE FIELD FABRICATED FILTER BANK AT RETURN OF UNIT. INCLUDE 2" MERV-8 FILTER IN BANK.
- 9 INCLUDE WATERPROOF SENSORS (OR WATERPROOF COVER FOR SENSORS) IN WASHBAY.
- 10 3/4" CONDENSATE DRAIN DOWN TO INDIRECT CONNECTION AT FLOOR DRAIN.
- 11 MOUNT HEATER/FAN AT 86" A.F.F.
- 12 1/2" COMPRESSED AIR DOWN TO SERVE VEHICLE LIFT CABINET. INCLUDE SHUTOFF BALL VALVE AT 7' A.F.F. TRANSITION TO 3/8" FLEXIBLE PIPING BEFORE TRAVELING BELOW GRADE. ROUTE 3/8" AIR TUBE BELOW GRADE TO LIFT CABINET. COORDINATE WITH LOCATIONS OF RADIANT FLOOR PIPING AND EXACT LIFT LOCATION/MODEL.
- 13 3/8" AIR PIPING UP TO VEHICLE LIFT CONTROL CABINET. COORDINATE WITH EQUIPMENT MANUFACTURER TO PROVIDE ALL MATERIALS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
- 14 MOUNT FAN AT 18" A.F.F. TO BLADES.
- 15 3/4" COMPRESSED AIR HOSE REEL MOUNTED ON WALL. PROVIDE 75' HOSE ON RETRACTABLE REEL WITH ADJUSTABLE HOSE STOPS. HOSE REEL TO BE REELCRAFT D83075 OLP OR EQUAL.
- 16 AIR COMPRESSOR LOCATED IN MEZZANINE ABOVE.
- 17 3/4" CONDENSATE DRAIN UP TO DS-C. SPILL CONDENSATE TO GREEN SPACE AT GRADE.
- 18 R/RS PIPE UP TO DS-C.
- 19 3/4" CONDENSATE DRAIN DN.
- 20 R/RS PIPE DN TO CU-C.



FIRST FLOOR MECHANICAL PLAN - OFFICE
SCALE: 1/8" = 1'-0"
NORTH



B
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3(4)5
5(6)2
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15

GENERAL NOTES:

1. REFER TO SHEET M0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. EACH DUCTLESS SPLIT AND CRAC UNIT SHALL HAVE A REFRIGERANT LINESET FROM THE OUTDOOR UNIT. A CONDENSATE DRAIN PIPE TO THE NEAREST FLOOR DRAIN, AND A 7-DAY PROGRAMMABLE THERMOSTAT.
3. ALL ROOMS EXCEPT RESTROOMS, JANITORS ROOMS, OR MEP ROOMS SHALL HAVE A 24"x24" RETURN GRILLES. OPEN TO THE PLENUM. INCLUDE SOUND BOOT AT EACH GRILLE.
4. EACH VAV BOX SHALL HAVE AN SCR REHEAT COIL AND LOCAL THERMOSTAT. PROVIDE ALL REQUIRED INTEGRATED CONTROLS FROM THE FACTORY FOR A RTU VAV SYSTEM.

KEYED NOTES:

- 1 RETURN DUCT OPEN TO PLENUM.
- 2 AIR DEVICE TO BE FITTED WITH 12"x12" RETURN AIR SOUND BOOT PER DETAIL ON SHEET M0.3.
- 3 AIR DEVICE TO BE FITTED WITH 18"x18" RETURN AIR SOUND BOOT PER DETAIL ON SHEET M0.3.
- 4 AIR DEVICE TO BE FITTED WITH 10"x10" TRANSFER AIR SOUND BOOT PER DETAIL ON SHEET M0.3.
- 5 RETURN AIR TRANSFER ABOVE CEILING. SIZE AS INDICATED ON PLAN.
- 6 RTU TO BE MOUNTED ON CONCRETE SLAB ON GRADE WITH MINIMUM 14" CURB.
- 7 ROUTE CONDENSATE PIPING IN DIRECTION OF AREA DRAIN. SEE PLUMBING SHEETS. PIPE SIZE TO MATCH DRAIN CONNECTION AT UNIT.
- 8 SPILL CONDENSATE TO GRADE. PIPE SIZE TO MATCH DRAIN CONNECTION AT UNIT.
- 9 ROUTE CONDENSATE PIPING TO FLOOR SINK IN FILE STORAGE 147. SEE PLUMBING SHEETS.
- 10 HVAC CONTROL PANEL FOR RTU/VAV CONTROLS.
- 11 CONDENSATE DRAIN TO DAYLIGHT. COORDINATE WITH CIVIL/STRUCTURAL TO PROVIDE GRAVEL TRENCH DRAIN IN CONCRETE. APPROXIMATELY 24"x24".
- 12 PROVIDE DUCT MOUNTED STATIC PRESSURE SENSOR.

M+H
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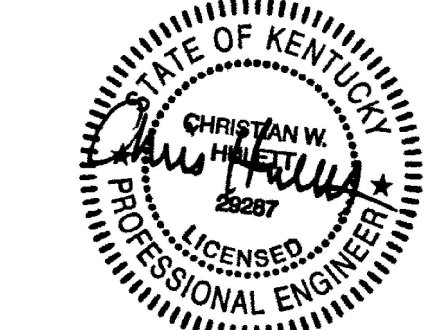
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COOPERATIVE
BUILDING SOLUTIONS

TAYLOR COUNTY RECC
685 WATER TOWER BYPASS
CAMBELLSVILLE, KY 42718

RECC
A Taylor County Company

CHRISTIAN W. HULETT
Professional Engineer
KY LIC#: 29287
EXP: 06/30/2027



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MECHANICAL PLAN - OFFICE

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