

ABBREVIATIONS

A	AT	G	GAUGE	R	RETURN AIR
AB	ANCHOR BOLT	GA	GALVANIZED	RA	RADIIUS
ABV	ABOVE	GB	GRAB BARS	RB	RUBBER BASE
AC	AIR CONDITIONER	GC	GENERAL CONTRACTOR	RD	ROOF DRAIN
ACT	ACOUSTIC CEILING TILE	GI	GALVANIZED IRON	REC	RECESSED
ADD	ADDENDUM	GL	GLASS	REF	REFERENCE/REFER
ADJ.	ADJUSTABLE	GR	GRADE	REFG	REFRIGERATION
ADT	ADJUSTABLE	GWH	GAS WATER HEATER	REFL	REFLECTED
ALT	ALTERNATE	GYP BD	GYPSUM BOARD	REG	REGISTER
ALUM	ALUMINUM	H		REINF	REINFORCED
AMP	AMPERES	H		REQD	REQUIRED
AN	ANGLE	HB	HOSE BIBB	RET	RETAINING
ANCR	ANCHOR	HC	HOLLOW CORE	REV	REVISION
ANOD	ANODIZED	HD	HEAD	RFG	ROOFING
AP	ACCESS PANEL	HDN	HOLD DOWN	RI	RISER
APPD	APPROVED	HDR	HEADER	RM	ROOM
APPROX	APPROXIMATE	HWWD	HARDWOOD	RO	ROUGH OPENING
ARCH	ARCHITECTURAL	HGR	HANGER	ROW	RIGHT OF WAY
ASPH	ASPHALT	HM	HOLLOW METAL	RS	ROUGH SAWN
AVG	AVERAGE	HMD	HOLLOW METAL DOOR		
B		HMF	HOLLOW METAL FRAME		
BO	BOTTOM OF	HORZ	HORIZONTAL	S	SOUTH
BD	BOARD	HRD	HOLLOW STRUCTURAL	SDIPS	SOAP DISPENSER
BLDG	BUILDING	HSS	STEEL	SAM	SELF ADHERING MEMBRANE
BLK	BLOCK	HT	HEIGHT	SAT	SUSPENDED ACOUSTICAL
BLKG	BLOCKING	HTG	HEATING	SC	SOLID CORE
BM	BEAM	HVAC	HEATING/VENTILATION/AIR CONDITIONING	SCH	SCHEDULE
BM	BENCH MARK			SD	STORM DRAIN
BOT	BOTTOM	I		SEC	SECTION
BRG	BEARING	ID	INSIDE DIAMETER	SER	SERVICE
BRK	BRK	IN	INCHES	SF	SQUARE FOOT
BRZ	BRONZE	INCL	INCLUDE	SHT	SHEET
BS	BOTH SIDES	INSUL	INSULATION	SHTHG	SHEETING
BTU	BRITISH THERMAL UNIT	INT	INTERIOR	SM	SIMILAR
BUR	BUILT-UP ROOF			SOG	SLAB ON GRADE
C		J	JANITOR CLOSET	SPC	SPECIFICATION
CAB	CABINET	JCT	JOIST	SO	SQUARE
CB	CATCH BASIN	JT	JOINT	SS	SANITARY SEWER
CC	CENTER TO CENTER	K		SSK	SERVICE SINK
CEM	CEMENT	KIPS	KNOWN DOWN	SST	STAINLESS STEEL
CER	CERAMIC	KD	KIPS PER SQUARE FOOT	ST	STEEL
CFT	CUBIC FOOT	KSF		STD	STANDARD
CI	CAST IRON	L	LAMINATE	STL	STEEL
CIP	CATCH PLACE	LAV	LAVATORY	STRUCT	STRUCTURAL
DIR	DIR	LB	POUND	SUSP	SUSPENDED
CJ	CONTROL JOINT	LF	LINEAR FOOT	T	TOP
CL	CENTER LINE	LG	LONG LENGTH	T&B	TOP AND BOTTOM
CLG	CEILING	LL	LONG LEG HORIZONTAL	T&G	TONGUE & GROOVE
CLR	CLEAR	LLH	LONG LEG VERTICAL	TCX	TOP CHORD EXTENSION
CMU	CONCRETE MASONRY UNIT	LLV	LONG LEG VERTICAL	TEMP	TEMPERED
CO	CASED OPENING	LLV	LONG LEG VERTICAL	THK	THICK
CO	CLEAN OUT	LLH	LONG LEG HORIZONTAL	THRD	THREADED
COL	COLUMN	LLV	LONG LEG VERTICAL	THRU	THROUGH
CONC	CONCRETE	LT	LIGHT	TPO	TERMOPLASTIC
CONN	CONNECTION	IVR	LOUVER	TR	TREAD
CONST	CONSTRUCTION	LW	LIGHTWEIGHT	TV	TELEVISION
CONT	CONTINUOUS	LWB	LIGHTWEIGHT BLOCK	TYP	TYPICAL
CORR	CORRUGATED	M			
CPT	CARPETED	MAS	MASONRY	MAX	MAXIMUM
CT	CERAMIC TILE	MATL	MATERIAL	MCJ	MASONRY CONTROL JOINT
CYD	CUBIC YARD	MATL	MATERIAL	MECH	MECHANICAL
D		MCJ	MASONRY CONTROL JOINT	MFG	MANUFACTURING
DBL	DOUBLE	MS	METAL STUD	MFR	MANUFACTURER
DEM	DEMOLITION	MTD	MOUNTED	MH	MANHOLE
DEV	DEVELOPMENT	MTL	METAL	MIN	MINIMUM
DF	DRINKING FOUNTAIN	MULL	MULLION	MIN	MINIMUM
DI	DROP INLET	N	NORTH	MIN	MINIMUM
DIA	DIAMETER	N	NOT IN CONTRACT	MIR	MIRROR
DIAG	DIAGONAL	NIC	NUMBER	MISC	MISCELLANEOUS
DIM	DIMENSION	NO. #	NOMINAL	MO	MASONRY OPENING
DIST	DISTRIBUTED	NTS	NOT TO SCALE	MOD	MODULAR
DIV	DIVISION	W		MS	MULTI-STUD
DL	DEAD LOAD	V		WFM	WELDED FRAME
DN	DETAL	VAR		WFT	WITH
DP	DAMP PROOFING	VCT		W/O	WITHOUT
DR	DOOR	VERT		WB	WOOD BASE
DS	DOWN SPOUT	VEST		WC	WATER CLOSET
DTL	DETAIL	VIF		WD	WOOD
DW	DISH WASHER	VP		WDT	WIDTH
DWG	DRAWING	VR		WF	WIDE FLANGE
E		VTR		WH	WELD HOLE
EA	EACH	VVC		WHS	WELDED HEADER STUD
EF	EACH FACE			WLT	WEIGHT
EIFS	EXTERIOR INSULATION			WT	WEIGHT
EJ	FINISH SYSTEM	WFM		WTW	WEATHERPROOF
ELEC	EXPANSION JOINT	WFT		WWF	WELDED WIRE FABRIC
ELEV	ELECTRICAL	WHS			
EMER	EMERGENCY	WLT			
EQ	EQUAL	WTF			
EQUIP	EQUIPMENT	WWT			
EV	EXHAUST VENT	WWF			
EW	EACH WAY				
EWH	ELECTRIC WATER HEATER				
EXH	EXHAUST				
EXIST	EXISTING				
EXP	EXPOSED				
EXT	EXTERIOR				
F					
FB	FACE BRICK				
FBO	FURNISHED BY OTHERS				
FD	FLOOR/GRAN				
FDN	FOUNDATION				
FE	FE FIRE EXTINGUISHER				
FEC	FE FIRE EXTINGUISHER				
FF	FINISHED FLOOR				
FFE	FINISHED FLOOR ELEVATION				
FIN	FINISH				
FIX	FIXTURE				
FLR	FLOOR				
FLSH	FLASHING				
FOC	FACE OF CONCRETE				
FOF	FACE OF FINISH				
FOIC	FURNISHED BY OWNER				
FOIO	FURNISHED BY OWNER				
FOM	FACE OF MASONRY				
FOS	FACE OF STUD				
FR	Fire Rated				
FR GYP	FIRE RATED GYPSUM				
BD	BOARD				
FRP	FIBERGLASS REINFORCED				
FRT	FIRE RETARDANT				
FT	FOOT/FEET				
FTG	FOOTING				

PROJECT INFORMATION

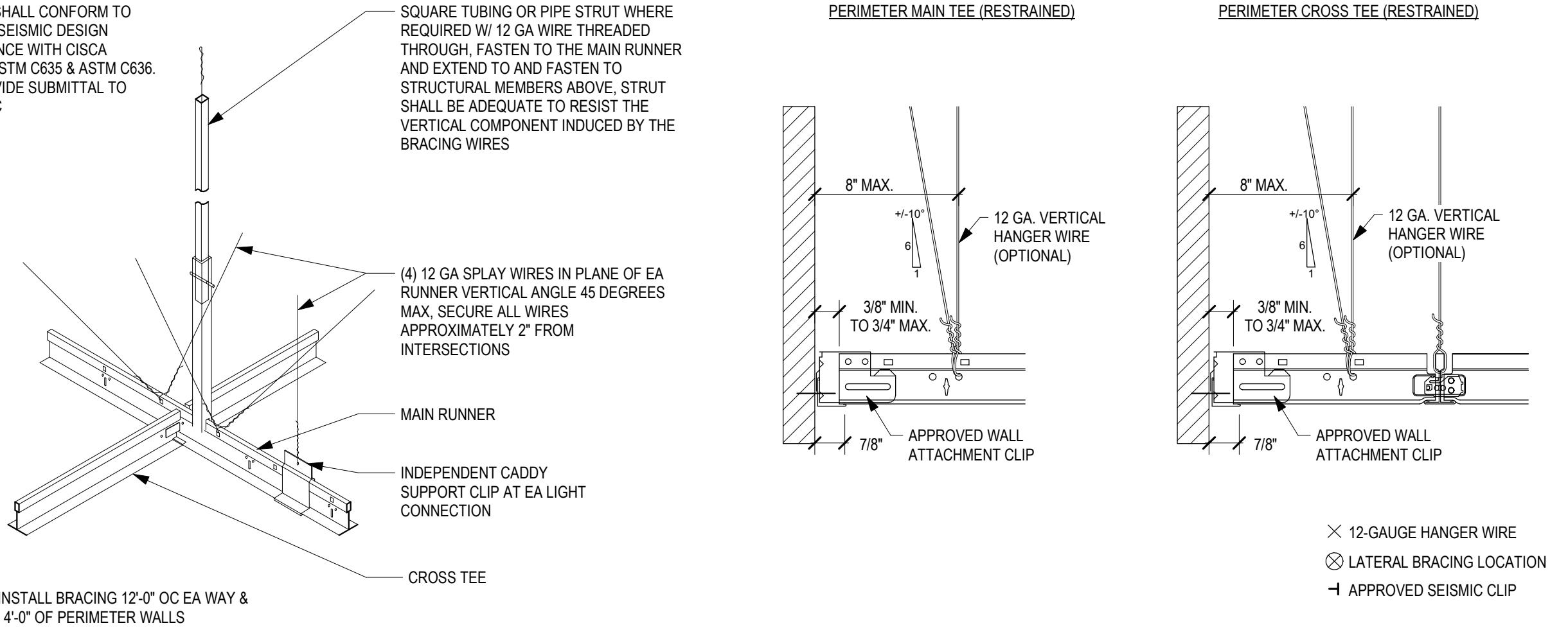
OWNER / DEVELOPER	CONTRACTOR	FIRE DEPARTMENT
SFP-E LLC P.O. BOX 5350 BEND, OREGON 97708	TBD STREET ADDRESS CITY, ST ZIP ATTN: TEL:	CALDWELL FIRE DEPARTMENT 621 CLEVELAND BLVD. CALDWELL, IDAHO 83605 PHONE: (208) 455-3032
4 SITE ADVISORS 7075 S. ALTON WAY, H-100 CENTENNIAL, COLORADO 80112		
CIVIL	ELECTRICAL	UTILITY CONTACTS: ELECTRIC
GRAHAM ENGINEERING 4591 ALEXANDER STREET BOZEMAN, MONTANA 59718 ATTN: ZACK GRAHAM TEL: (406) 264-2686	ENGINEERING CONSULTANTS INC. 1199 SOUTH MAIN ST., STE 101 CENTERVILLE, UTAH 84014 ATTN: GREG JONES TEL: (801) 295-6070	IDAHO POWER TEL: (800) 488-6151
LANDSCAPE	FIRE PROTECTION	WATER & SEWER
GRAHAM ENGINEERING 4591 ALEXANDER STREET BOZEMAN, MONTANA 59718 ATTN: ZACK GRAHAM TEL: (406) 264-2686	PROTECTION CONSULTANTS, INC. 1199 SOUTH MAIN ST., STE 101 CENTERVILLE, UTAH 84014 ATTN: NATHAN COMBS TEL: (208) 345-1462	CITY OF CALDWELL WATER DEPARTMENT 205 SOUTH 6TH AVE. P.O. BOX 1179 Caldwell, Idaho 83606 TEL: (208) 454-3540
ARCHITECTURAL	SURVEYOR	STORMWATER
PETERSEN-STAGGS ARCHITECTS, LLP 6091 SOUTH 1700 WEST STE. 150 BOISE, IDAHO 83703 ATTN: NATHAN COMBS TEL: (208) 345-1462	DIAMOND LAND SURVEYING 6091 SOUTH 1700 WEST STE. 150 BOISE, IDAHO 83703 ATTN: NATHAN COMBS TEL: (208) 345-1462	CITY OF CALDWELL WATER DEPARTMENT 205 SOUTH 6TH AVE. P.O. BOX 1179 Caldwell, Idaho 83606 TEL: (208) 454-3540
STRUCTURAL	GEOTECHNICAL ENGINEER	GAS
STRUCTURAL EDGE ENGINEERING 5501 NORTH GLENWOOD ST. BOISE, IDAHO 83714 PULLMAN, WASHINGTON 99163 ATTN: DAVID SANOTTA TEL: (509) 339-2000	GEOPROFESSIONAL INNOVATION (GPI) 6 O'DONELL ROAD PULLMAN, WASHINGTON 99163 ATTN: JUSTIN MAFFEE TEL: (509) 339-2000	INTERMOUNTAIN GAS COMPANY TEL: (800) 548-3679
MECHANICAL / PLUMBING	BUILDING DEPARTMENT	PHONE/CABLE
ENGINEERING CONSULTANTS INC. 303 S. FEDERAL WAY BOISE, IDAHO 83705 ATTN: TIM JASZKOWIAK TEL: (208) 209-3024	CITY OF CALDWELL DEVELOPMENT SERVICES 205 S. 6TH AVE. P.O. BOX 1179 Caldwell, Idaho 83605 TEL: (208) 209-6537	CENTURY LINK TEL: (208) 209-6537

PROJECT DATA AND CODE ANALYSIS

PROJECT ADDRESS:	803 HAYSTACK WAY, CALDWELL, ID 83605

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NOTE: LATERAL BRACING SHALL CONFORM TO 13.5.6.2 OF ASCE 7-05 FOR SEISMIC DESIGN CATEGORY A IN ACCORDANCE WITH CISCA GUIDELINES FOR ZONE 1 ASTM C635 & ASTM C636. CONTRACTOR SHALL PROVIDE SUBMITTAL TO SHOW COMPLIANCE TO IBC



④ SUSPENDED CEILING BRACING

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

③ SEISMIC BRACING

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

REFLECTED CEILING KEY NOTES:

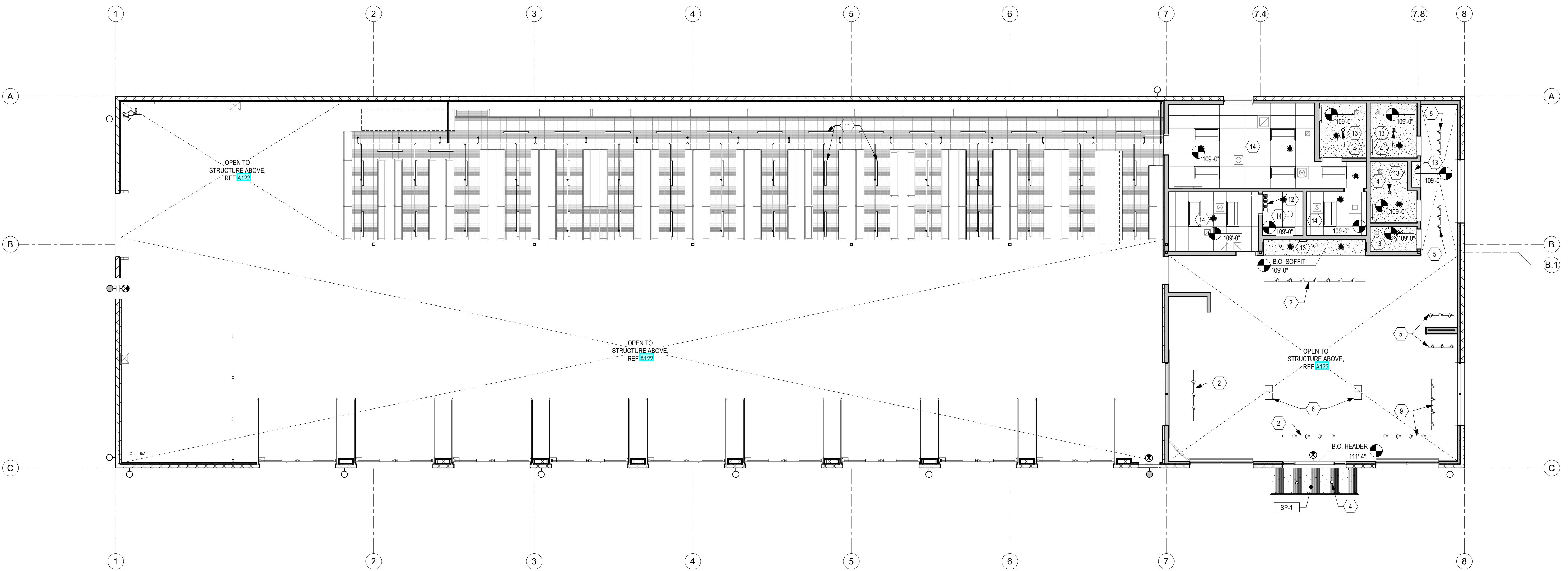
1. EXPOSED DUCTWORK, CONDUIT, FIRE SPRINKLER LINES, STRUCTURAL MEMBERS, COLUMNS, ANDunderside of roof deck to be painted P1, TYPICAL.
2. TRACK MOUNTED LINEAR WALL WASH; TRACK TO BE MOUNTED AT 17'-6", MOUNT 4'-0" OFF OF WALL. COORDINATE HEIGHT AFTER WALL GRAPHICS ARE INSTALLED, TYP. TRACK HEIGHT TO BE 6" MINIMUM ABOVE TOP OF FRAMED WALL GRAPHICS.
3. BOTTOM OF ALL DUCT WORK TO BE TIGHT TO STRUCTURE - FIXTURE TO BE MOUNTED ON BOTTOM OF JOIST W/ UNISTRUT.
4. CENTER MOUNT DOWNLIGHT IN CEILING.
5. TRACK MOUNTED DOWNLIGHT; TO BE MOUNTED 15'-4" AFF. FIXTURE TO BE SUPPORTED BY UNISTRUT.
6. AREA UPLIGHT; MOUNT 15 MAX AFF. ADJUST STEM INCLUDED WITH LIGHTING PACKAGE FOR HEIGHT AFF.
7. GAS FIRED UNIT HEATER, REF MECHANICAL AND PLUMBING.
8. INFRARED HEATER, REF MECHANICAL AND PLUMBING.
9. TRACKLIGHT; TO BE MOUNTED 15'-4" AFF.
10. SUSPENDED HIGHBAY LIGHT TO BE MOUNTED 21'-0" AFF, COORDINATE WITH COMPRESSED AIR DROP LOCATIONS.
11. STRIPLIGHT; MOUNT TO UNDERSIDE OF RACKING OR IN LINE WITH BOTTOM CHORD OF JOISTS WHERE APPLIES, TYP.
12. WALL MOUNTED COOLING UNIT, REF MECH.
13. HAROLD CEILING, REF A502 AND SPECS.
14. SUSPENDED ACOUSTICAL CEILING, REF 3&4/A121 AND SPECS.

REFLECTED CEILING GENERAL NOTES:

- A. REFER TO MECHANICAL DRAWINGS FOR HVAC PLAN, SECTIONS, DUCT SIZES, SUPPLY AND RETURN AIR GRILLE SIZES.
- B. REFER TO ELECTRICAL DRAWINGS FOR LIGHTING LAYOUT, REQUIREMENTS, AND ADDITIONAL FIXTURE INFORMATION.
- C. DIMENSIONS ARE TAKEN FROM FACE OF FINISH MATERIAL.
- D. FOR EXACT EXTERIOR LIGHT LOCATIONS SEE EXTERIOR ELEVATIONS.
- E. LIGHT FIXTURES IN SUSPENDED CEILING SYSTEM SHALL BE FASTENED TO METAL GRID SYSTEM WITH (1) 1/8" BLIND RIVET AT EACH CORNER. EACH CORNER OF THE LIGHT SHALL BE SUPPORTED FROM THE ROOF STRUCTURE WITH #12 GA. GALVANIZED ANNEALED WIRE.
- F. SUPPLY AND RETURN DIFFUSERS IN SUSPENDED CEILINGS SHALL HAVE STRAPS AT OPPOSITE SIDES. THESE MAY BE SLACK.
- G. COORDINATE LIGHT FIXTURE PLACEMENT WITH MECHANICAL AND STRUCTURAL DRAWINGS.
- H. COORDINATE LIGHT FIXTURE PLACEMENT WITH OVERHEAD DOORS TO ENSURE THAT LIGHTS ARE NOT BLOCKED BY DOORS IN THE OPEN POSITION.

PSA ARCHITECTS, LLP
INCORPORATED

Les Schwab



① GROUND FLOOR REFLECTED CEILING PLAN

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

803 HAYSTACK WAY, CALDWELL, ID 83605
9 BAY LH LINEAR STORE - PROTOTYPE Q3 2024

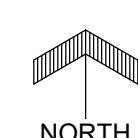
LICENSED
ARCHITECT
AR-864870
NATHAN PARRY COMBS
STATE OF IDAHO
10.09.24

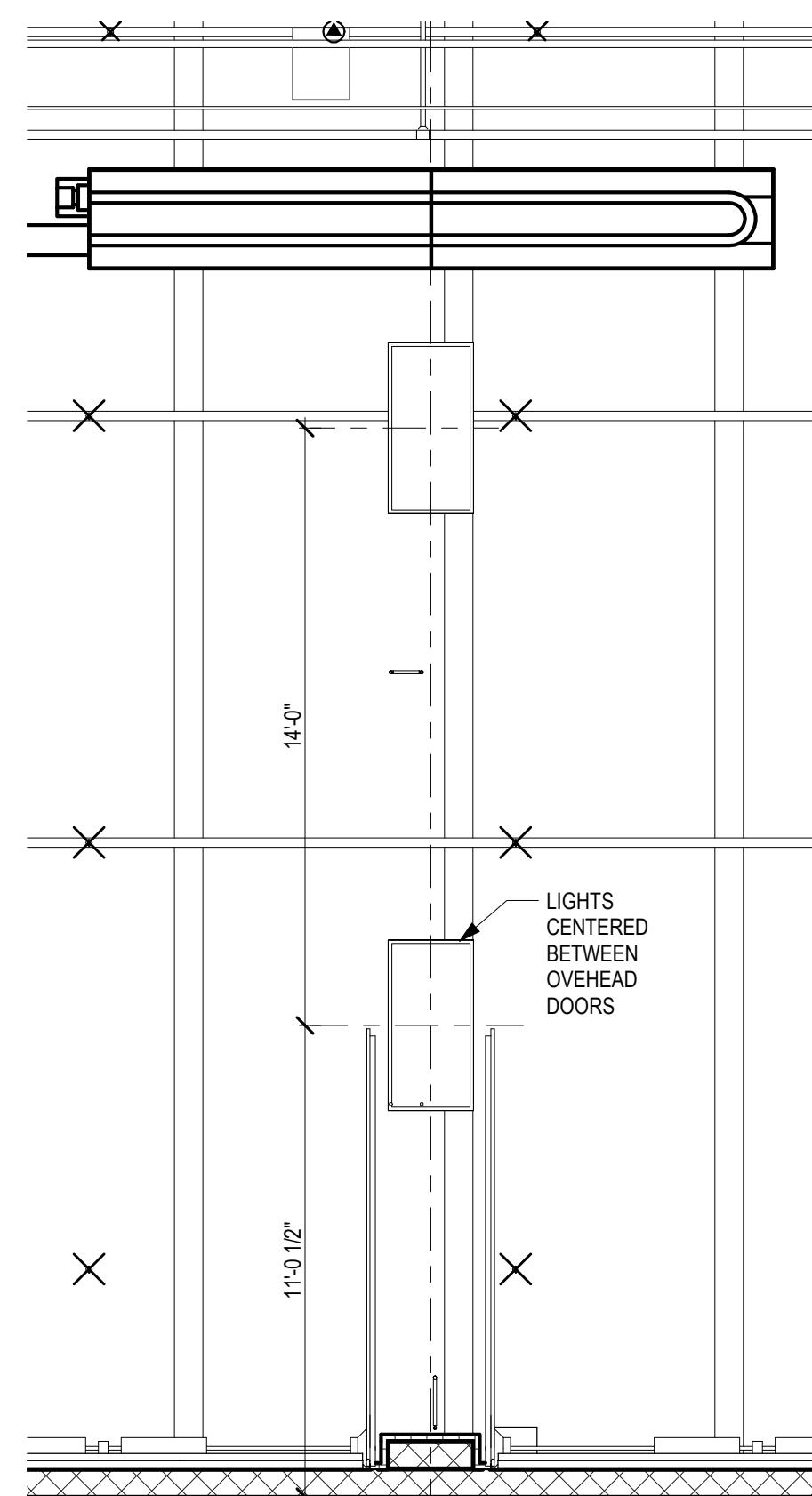
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10.09.24
PROJECT# | 2322
DESIGNED BY | NC
DRAWN BY | NC/DM
REVISIONS

GROUND FLOOR
REFLECTED CEILING
PLAN

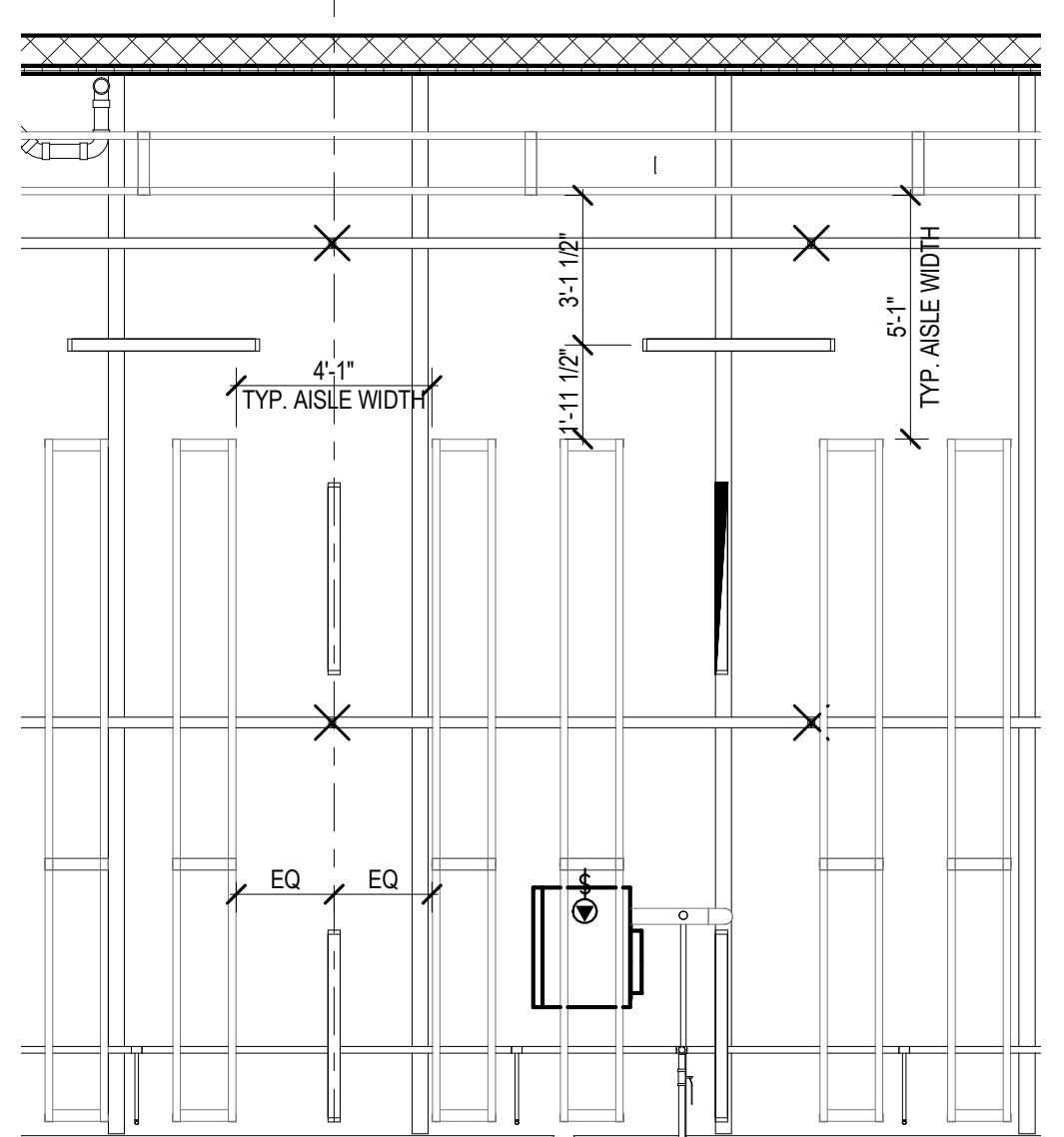
A121





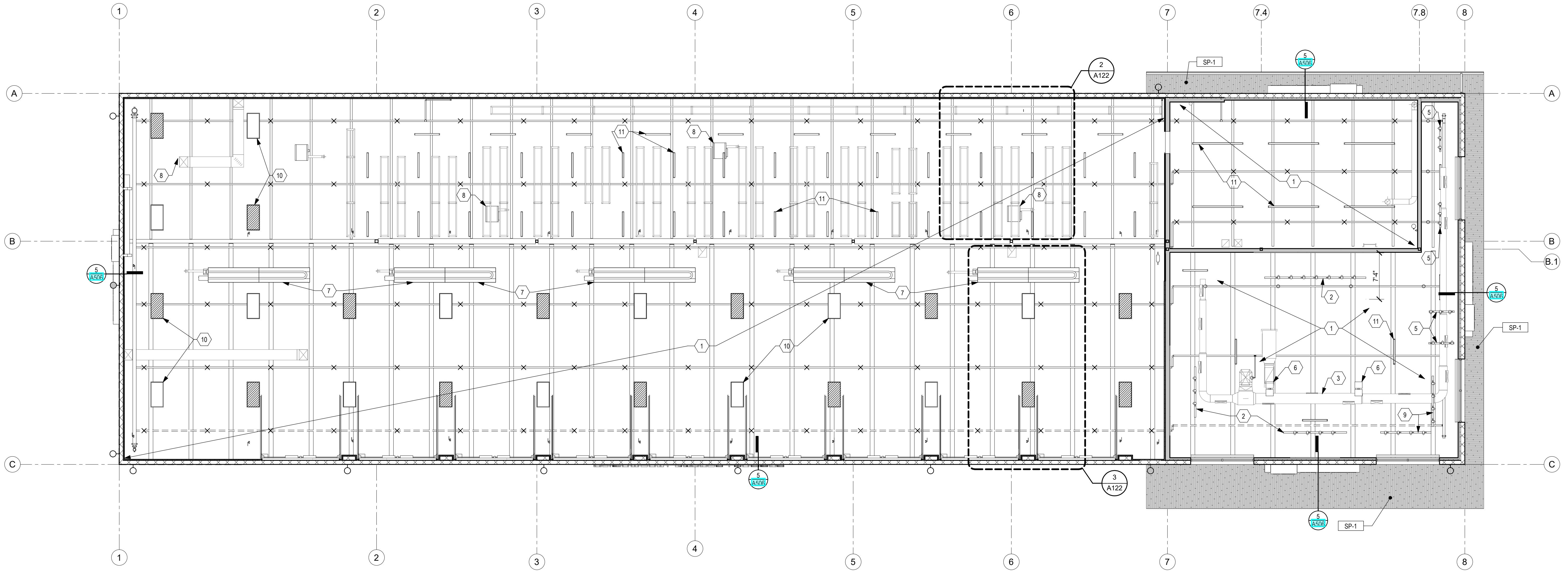
(3) TYPICAL SERVICE BAY LIGHTING

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



(2) TYPICAL LIGHT PLAN ABOVE RACKING PLATFORM

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



(1) STORAGE/RACKING PLATFORM REFLECTED CEILING PLAN

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

REFLECTED CEILING LEGEND:

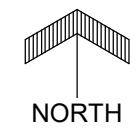
- 6' RECESSED LED DOWNLIGHT
- 1X4 SURFACE LED STRIPLIGHT
- 1X8 SURFACE LED STRIPLIGHT (EMERGENCY CIRCUIT)
- 1X8 SURFACE LED STRIPLIGHT
- 6' SURFACE MOUNTED DOWNLIGHT
- 2X4 RECESSED CURVED LED TROFFER
- TRACK MOUNTED DOWNLIGHT
- TRACK MOUNTED LINEAR WALL WASH
- DOUBLE SUSPENDED WEDGE PENDANT
- SUSPENDED HIGHBAY LED
- 2' VANITY WALL SCONCE
- COMBINATION ILLUMINATED EXIT SIGN AND EMERGENCY LIGHT WITH 90 MIN. BATTERY BACKUP
- WET LOCATION EMERGENCY LIGHT WITH 90 MIN. BATTERY BACKUP
- EXTERIOR LIGHT "W" AND "WE"
- VENT FAN
- SUPPLY AIR DIFFUSER
- RETURN AIR DIFFUSER
- SPRINKLER HEAD
- OCCUPANCY SENSOR

REFLECTED CEILING GENERAL NOTES:

- A. REFER TO MECHANICAL DRAWINGS FOR HVAC PLAN, SECTIONS, DUCT SIZES, SUPPLY AND RETURN AIR GRILLE SIZES.
- B. REFER TO ELECTRICAL DRAWINGS FOR LIGHTING LAYOUT, REQUIREMENTS, AND ADDITIONAL FIXTURE INFORMATION.
- C. DIMENSIONS ARE TAKEN FROM FACE OF FINISH MATERIAL.
- D. FOR EXACT EXTERIOR LIGHT LOCATIONS SEE EXTERIOR ELEVATIONS.
- E. LIGHT FIXTURES IN SUSPENDED CEILING SYSTEM SHALL BE FASTENED TO METAL GRID SYSTEM WITH (1) 1/8" BLIND RIVET AT EACH CORNER. EACH CORNER OF THE LIGHT SHALL BE SUPPORTED FROM THE ROOF STRUCTURE WITH #12 GA. GALVANIZED ANNEALED WIRE.
- F. SUPPLY AND RETURN DIFFUSERS IN SUSPENDED CEILINGS SHALL HAVE STRAPS AT OPPOSITE SIDES. THESE MAY BE SLACK.
- G. COORDINATE LIGHT FIXTURE PLACEMENT WITH MECHANICAL AND STRUCTURAL DRAWINGS.
- H. COORDINATE LIGHT FIXTURE PLACEMENT WITH OVERHEAD DOORS TO ENSURE THAT LIGHTS ARE NOT BLOCKED BY DOORS IN THE OPEN POSITION.

REFLECTED CEILING KEY NOTES:

1. EXPOSED DUCTWORK, CONDUIT, FIRE SPRINKLER LINES, STRUCTURAL MEMBERS, COLUMNS, AND UNDERSIDE OF ROOF DECK TO BE PAINTED PT, TYPICAL.
2. TRACK MOUNTED LINEAR WALL WASH, TRACK TO BE MOUNTED AT 17'-6", MOUNT 4'-0" OFF OF WALL. COORDINATE HEIGHT AFTER WALL GRAPHICS ARE INSTALLED, TYP. TRACK HEIGHT TO BE 6' MINIMUM ABOVE TOP OF FRAMED WALL GRAPHICS.
3. BOTTOM OF ALL DUCT WORK TO BE TIGHT TO STRUCTURE - FIXTURE TO BE MOUNTED ON BOTTOM OF JOIST W/ UNISTRUT.
4. CENTER LIGHT FIXTURE IN CEILING.
5. TRACK MOUNTED DOWNLIGHT: TO BE MOUNTED 15'-4" AFF. FIXTURE TO BE SUPPORTED BY UNISTRUT AND ALL THREAD, MOUNT 4'-0" OFF SLAT WALL, TYP.
6. AREA UPLIGHT: MOUNT 15' MAX AFF. ADJUST STEM INCLUDED WITH LIGHTING PACKAGE FOR HEIGHT AFF.
7. INFRARED HEATER, REF MECHANICAL AND PLUMBING.
8. GAS FIRED UNIT HEATER, REF MECHANICAL AND PLUMBING.
9. TRACKLIGHT: TO BE MOUNTED 15'-4" AFF.
10. SUSPENDED HIGHBAY LIGHT TO BE MOUNTED 21'-0" AFF. COORDINATE WITH COMPRESSED AIR DROP LOCATIONS.
11. SPRINKLER MOUNT TO UNDERSIDE OF RACKING OR IN LINE WITH BOTTOM CHORD OF JOISTS WHERE APPLIES TYP.
12. WALL MOUNTED COOLING UNIT, REF MECH.
13. HARDLID CEILING, REF A508 AND SPECS.
14. SUSPENDED ACoustical CEILING, REF 3&A121 AND SPECS.



GENERAL NOTES:

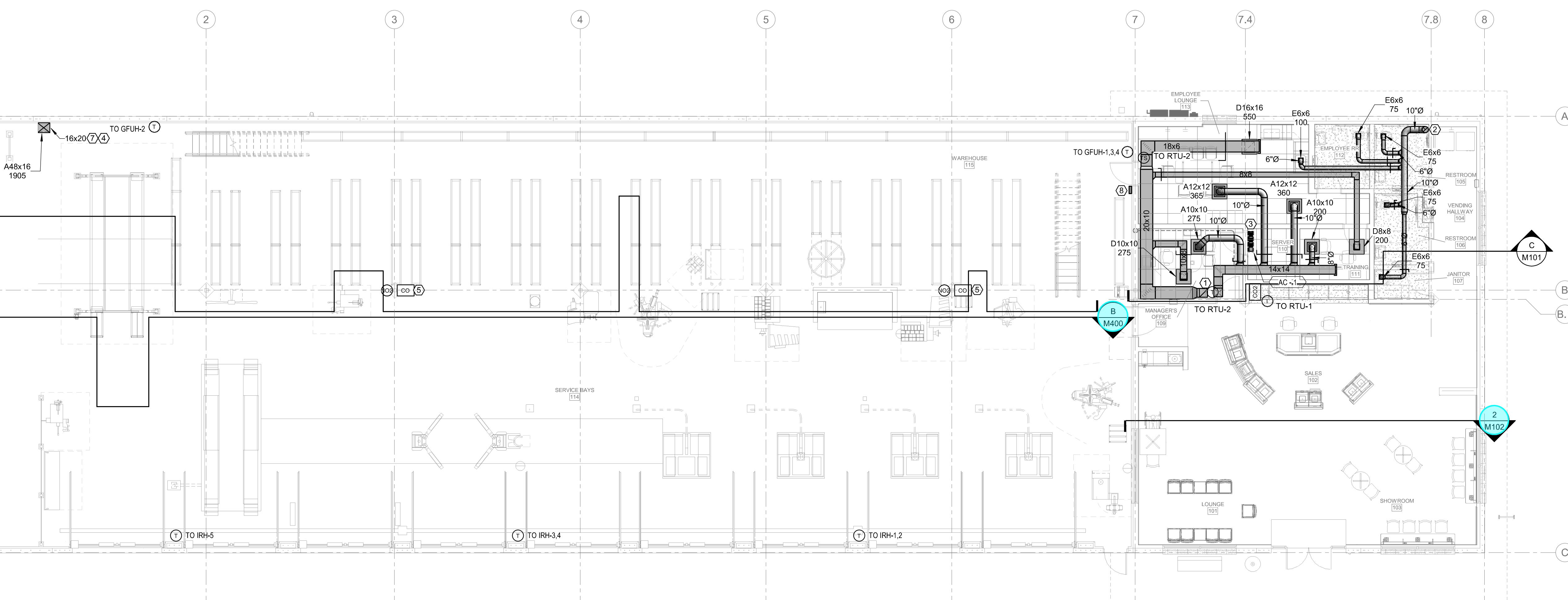
- A. ALL DUCTWORK SIZED AT A FRICTION LOSS RATE OF 0.08" W.C. PER 100 LINEAR FEET FOR ENTIRE LENGTH OF DUCT, FROM UNIT TO TERMINAL.
 - B. ALL DUCT SYSTEMS SHALL BE INSTALLED, SEALED AND INSULATED TO MEET THE REQUIREMENTS OF THE LOCAL MECHANICAL CODE AND ALL APPLICABLE ANSI/SMACNA DUCT CONSTRUCTION STANDARDS.
 - C. DUCT OPENINGS SHALL BE COVERED AND MECHANICAL EQUIPMENT PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH THE LOCAL MECHANICAL CODE.
 - D. COORDINATE GRILLE AND DIFFUSER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
 - E. THERMOSTAT LOCATIONS SHALL BE REVIEWED WITH ARCHITECTURAL FIELD REPRESENTATIVE PRIOR TO INSTALLATION. INSTALL THERMOSTATS 48" ABOVE FINISHED FLOOR AS REQUIRED FOR PROPER EQUIPMENT INSTALLATION.
 - F. NO DUCTWORK IS TO BE FABRICATED PRIOR TO FIELD VERIFICATION OF DUCT SIZES AND DUCT ROUTING BY MECHANICAL CONTRACTOR.
 - G. IN AREAS WITH LAY-IN CEILINGS, FLEX DUCT MAY BE USED TO MAKE FINAL CONNECTIONS TO DIFFUSERS. FLEX DUCT SHALL NOT EXCEED 5'-0" IN LENGTH.

FLOOR PLAN KEY NOTES:

1. SUPPLY AND RETURN DUCTS UP ON WALL TO MEZZANINE ROOF STRUCTURE. SEE M102 FOR MORE INFORMATION.
 2. EXHAUST DUCT UP ON WALL TO MEZZANINE ROOF STRUCTURE. SEE M102 FOR MORE INFORMATION.
 3. SEE PLUMBING SHEETS FOR INFORMATION ON CONDENSATE DRAIN PIPE ROUTING.
 4. SEE 1/M102 FOR CONTINUATION OF DUCT.
 5. CO/NO₂ SENSOR MOUNTED ON COLUMN AT 54" AFF. SEE ELECTRICAL FOR CONNECTION REQUIREMENTS. SEE ALSO SHEET NOTE 8.
 6. WALL SWITCH FOR MECHANICAL VENTILATION. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION AND WIRING DIAGRAM.
 7. 20"x16" DUCT DOWN TO 6'-0"" AFF. CAP END OF DUCT. PROVIDE SUPPLY GRILLE AS NOTED ON M400.
 8. CO/NO₂ GAS DETECTION CONTROL PANEL. MOUNT ON WALL 54" AFF. PROVIDE TOXALERT MODEL GVU-6 WITH TWO REMOTE CO SENSORS (TOXALERT GVU-CO) AND TWO REMOTE NO₂ SENSORS (TOXALERT MODEL GVU-NO₂). PRIOR APPROVAL ON EQUIPMENT SUBSTITUTIONS. EF-2, EF-3, IH-1, AND IH-2 SHALL BE INTERLOCKED TO RUN WHEN SYSTEM ALARMS OR MANUAL SWITCH IS TURNED ON. PROVIDE LOW VOLTAGE WIRING PER MANUFACTURERS RECOMMENDATIONS. LIGHT WILL FLASH ALARM WHEN ACTIVE.

MECHANICAL SECTION C

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



1 GROUND FLOOR HVAC PLAN

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



GROUND FLOOR HVAC PLANS

M101



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ISSUED FOR BID

10.09.2024
PROJECT# | 2322 / 89Z11
DESIGNED BY | IKL
DRAWN BY | IKL
REVISIONS



RACKING PLATFORM
LEVEL HVAC PLAN

M102

GENERAL NOTES:

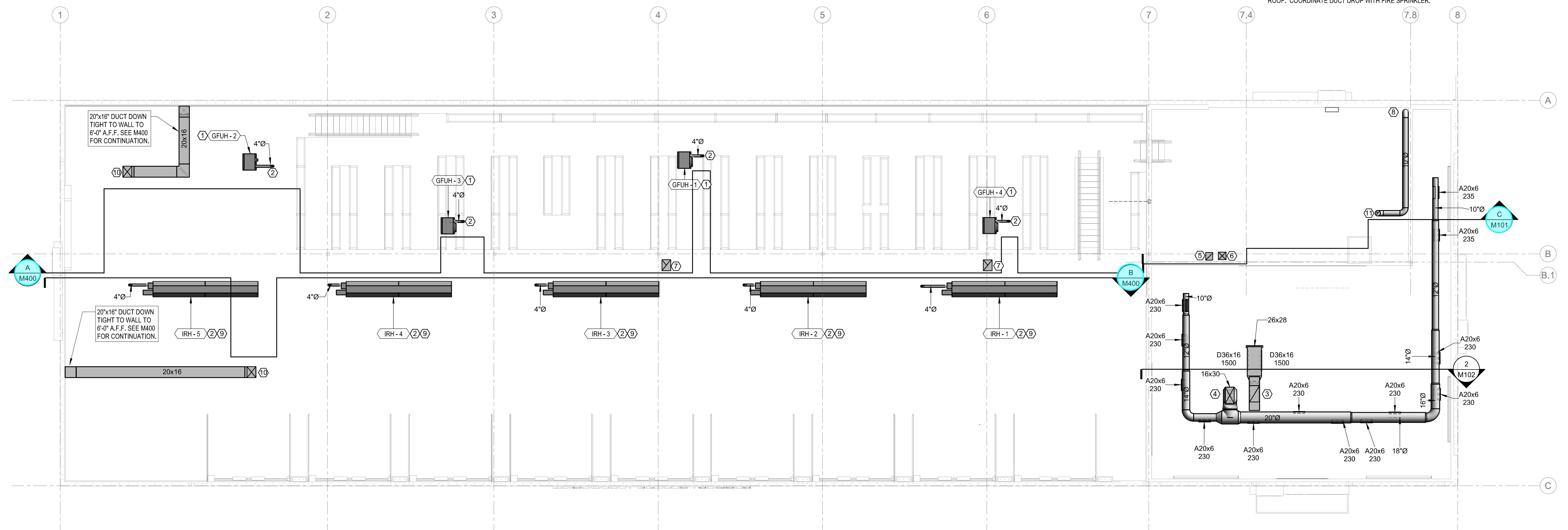
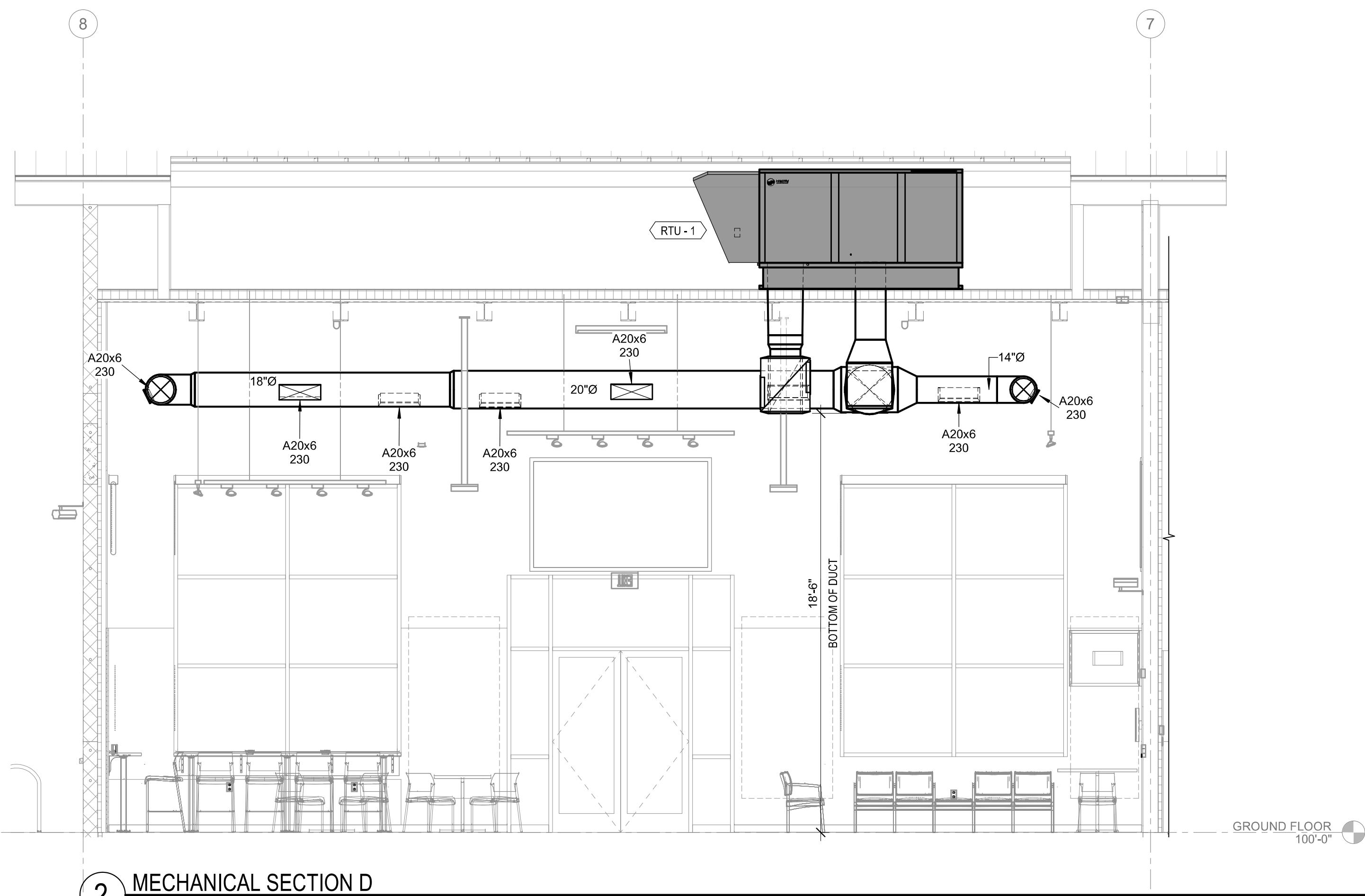
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- B. ALL DUCT SYSTEMS SHALL BE INSTALLED, SEALED AND INSULATED TO MEET THE REQUIREMENTS OF THE LOCAL MECHANICAL CODE AND ALL APPLICABLE ANSI/SMACNA DUCT CONSTRUCTION STANDARDS.
- C. DUCT OPENINGS SHALL BE COVERED AND MECHANICAL EQUIPMENT PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH THE LOCAL MECHANICAL CODE.
- D. COORDINATE GRILLE AND DIFFUSER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- E. THERMOSTAT LOCATIONS SHALL BE REVIEWED WITH ARCHITECTURAL FIELD REPRESENTATIVE PRIOR TO INSTALLATION. INSTALL THERMOSTATS 48" ABOVE FINISHED FLOOR AS REQUIRED FOR PROPER EQUIPMENT INSTALLATION.
- F. NO DUCTWORK IS TO BE FABRICATED PRIOR TO FIELD VERIFICATION OF DUCT SIZES AND DUCT ROUTING BY MECHANICAL CONTRACTOR.
- G. IN AREAS WITH LAY-IN CEILINGS, FLEX DUCT MAY BE USED TO MAKE FINAL CONNECTIONS TO DIFFUSERS. FLEX DUCT SHALL NOT EXCEED 5'-0" IN LENGTH.

FLOOR PLAN KEYNOTES:

1. HANG UNIT HEATER FROM STRUCTURE WITH BOTTOM OF HEATER AT 19'-6" A.F.F. INSTALL WITH MINIMUM 7'-0" CLEARANCE TO NEAREST SPRINKLER HEAD. CENTER BETWEEN 4 SPRINKLER HEADS.
2. PROVIDE 4" TYPE-B GAS VENT UP TO ROOF CAP.
3. 16"x30" RETURN AIR DUCT WITH DUCT SMOKE DETECTOR UP THRU ROOF TO RTU-1. DUCT TO TRANSITION TO UNIT SIZE WITHIN ROOF CURB. COORDINATE DUCT DROP WITH FIRE SPRINKLER.
4. 16"x30" SUPPLY AIR DUCT DOWN THRU ROOF FROM RTU-1. DUCT TO TRANSITION TO UNIT SIZE WITHIN ROOF CURB. COORDINATE DUCT DROP WITH FIRE SPRINKLER.
5. 14"x14" RETURN AIR DUCT UP THRU ROOF TO RTU-2. DUCT TO TRANSITION TO UNIT SIZE WITHIN ROOF CURB. COORDINATE DUCT DROP WITH FIRE SPRINKLER.
6. 14"x14" SUPPLY AIR DUCT DOWN THRU ROOF FROM RTU-2. DUCT TO TRANSITION TO UNIT SIZE WITHIN ROOF CURB. COORDINATE DUCT DROP WITH FIRE SPRINKLER.
7. 20"x16" DUCT 12' BELOW ROOF UP TO EXHAUST FAN ON ROOF. SEE M103. PROVIDE 1/4" WIRE CLOTH OVER END OF DUCT. TRANSITION TO EXHAUST FAN OPENING WITHIN ROOF CURB.
8. SEE 1/M101 FOR CONTINUATION OF DUCT.
9. MOUNT RADIANT HEATERS AT 18'-0" AFF.
10. UP TO INTAKE HOOD, SEE M103.
11. 10"x9" EXHAUST AIR DUCT UP TO EF-1. DUCT TO TRANSITION TO UNIT SIZE AT CONNECTION AT ROOF. COORDINATE DUCT DROP WITH FIRE SPRINKLER.

2 MECHANICAL SECTION D

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



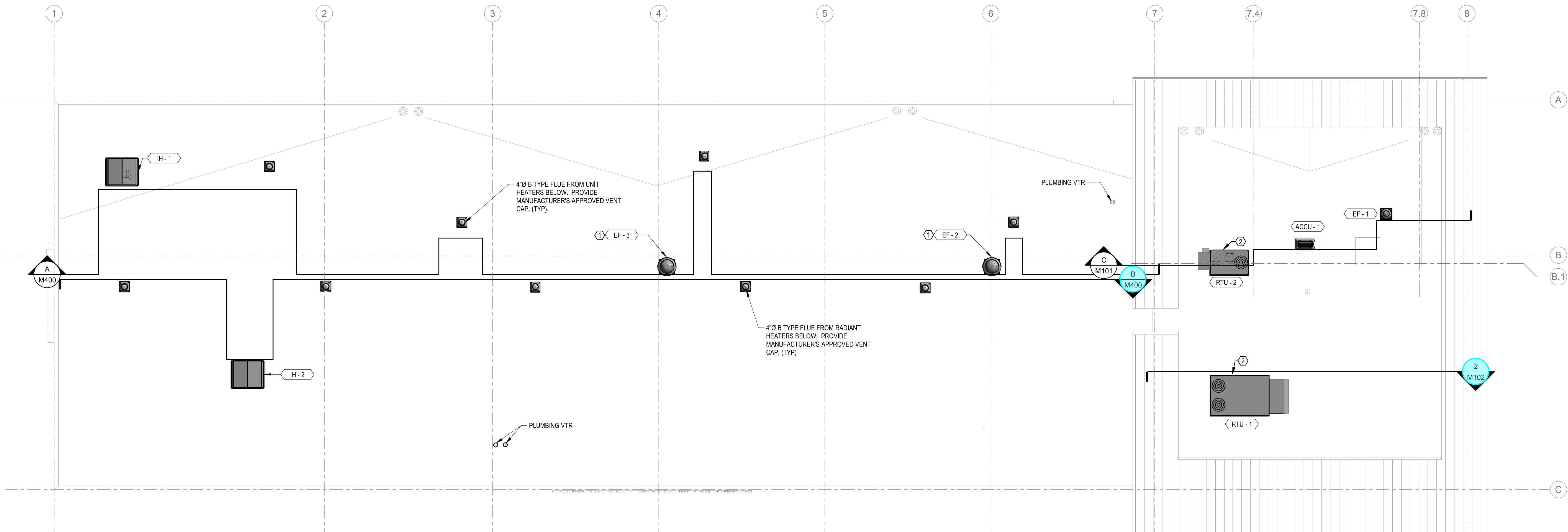
1 RACKING PLATFORM LEVEL HVAC PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- A. ALL DUCTWORK SIZED AT A FRICTION LOSS RATE OF 0.08" W.C. PER 100 LINEAR FEET FOR ENTIRE LENGTH OF DUCT, FROM UNIT TO TERMINAL.
- B. ALL DUCT SYSTEMS SHALL BE INSTALLED, SEALED AND INSULATED TO MEET THE REQUIREMENTS OF THE LOCAL MECHANICAL CODE AND ALL APPLICABLE ANSI/SMACNA DUCT CONSTRUCTION STANDARDS.
- C. DUCT OPENINGS SHALL BE COVERED AND MECHANICAL EQUIPMENT PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH THE LOCAL MECHANICAL CODE.
- D. COORDINATE GRILLE AND DIFFUSER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- E. THERMOSTAT LOCATIONS SHALL BE REVIEWED WITH ARCHITECTURAL FIELD REPRESENTATIVE PRIOR TO INSTALLATION. INSTALL THERMOSTATS 48" ABOVE FINISHED FLOOR AS REQUIRED FOR PROPER EQUIPMENT INSTALLATION.
- F. NO DUCTWORK IS TO BE FABRICATED PRIOR TO FIELD VERIFICATION OF DUCT SIZES AND DUCT ROUTING BY MECHANICAL CONTRACTOR.
- G. IN AREAS WITH LAY-IN CEILINGS, FLEX DUCT MAY BE USED TO MAKE FINAL CONNECTIONS TO DIFFUSERS. FLEX DUCT SHALL NOT EXCEED 5'-0" IN LENGTH.

FLOOR PLAN KEY NOTES:

1. EXHAUST FANS INTERLOCKED WITH CO/NO2 SENSORS, INTAKE HOODS AND USER ACCESSIBLE OVERRIDE SWITCH. (SEE M101)
2. SEE 3/P501 FOR GAS CONNECTION DETAIL.



803 HAYSTACK WAY, CALDWELL, ID 83605
9 BAY LH LINEAR STORE - PROTOTYPE Q3 2024



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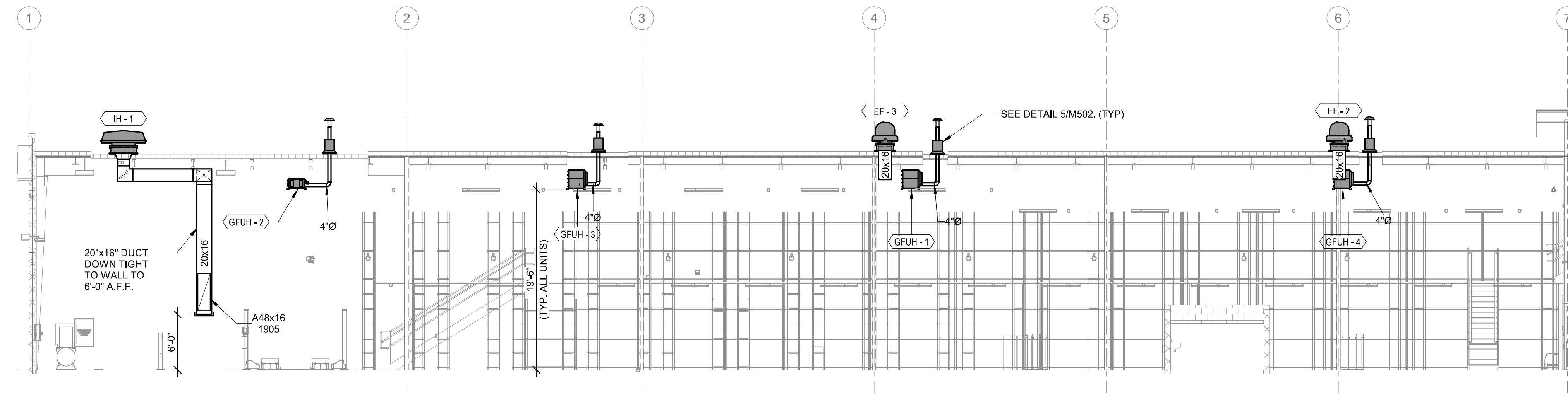
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REVISIONS



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

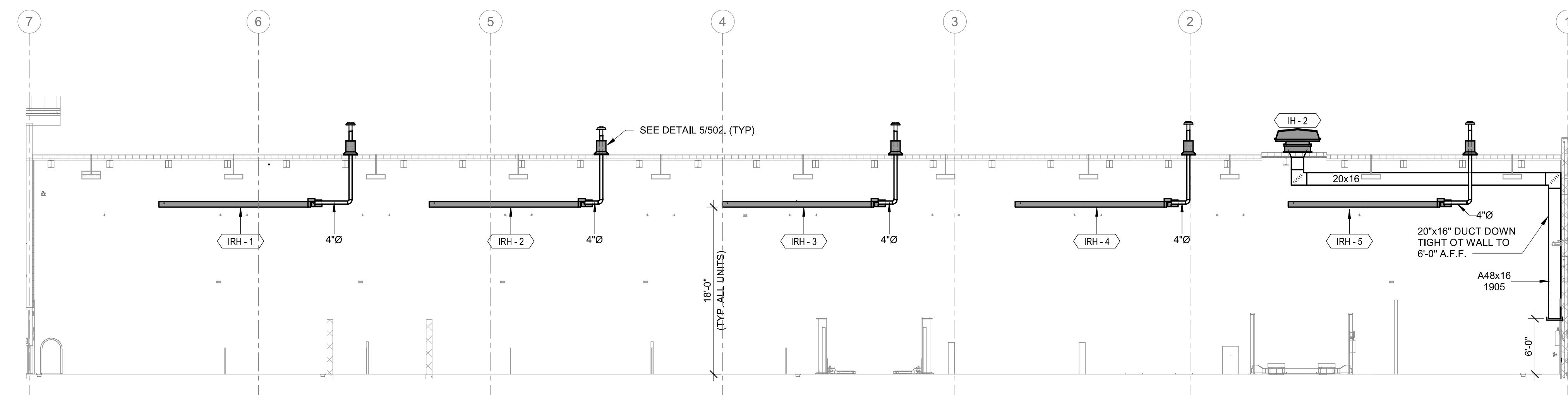
ROOF MECHANICAL PLAN

M103



A MECHANICAL SECTION A

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



B MECHANICAL SECTION B

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

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MECHANICAL
SECTIONS

M400



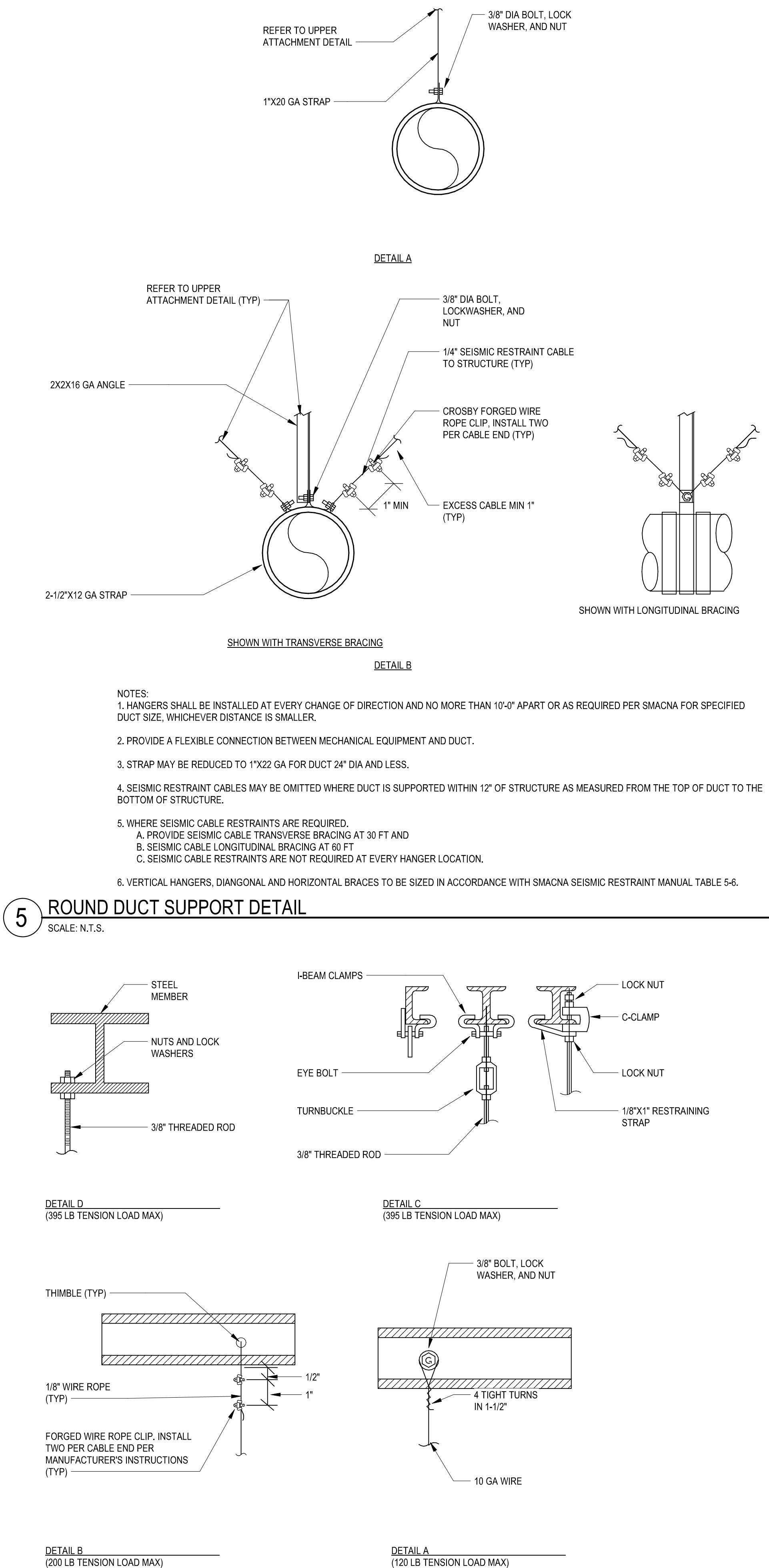
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MECHANICAL DETAILS

M501



NOTE:
REFER TO STRUCTURAL DESIGN FOR ATTACHMENT REQUIREMENTS AND ADDITIONAL SUPPORT OPTIONS. FOR ALTERNATE HANGERS AND SUPPORT SYSTEMS REFER TO SMACNA SEISMIC RESTRAINT MANUAL AND B-LINE SEISMIC RESTRAINT SYSTEM PRE-APPROVAL OPA-0114.

6 STEEL UPPER ATTACHMENT DETAIL
SCALE: N.T.S.



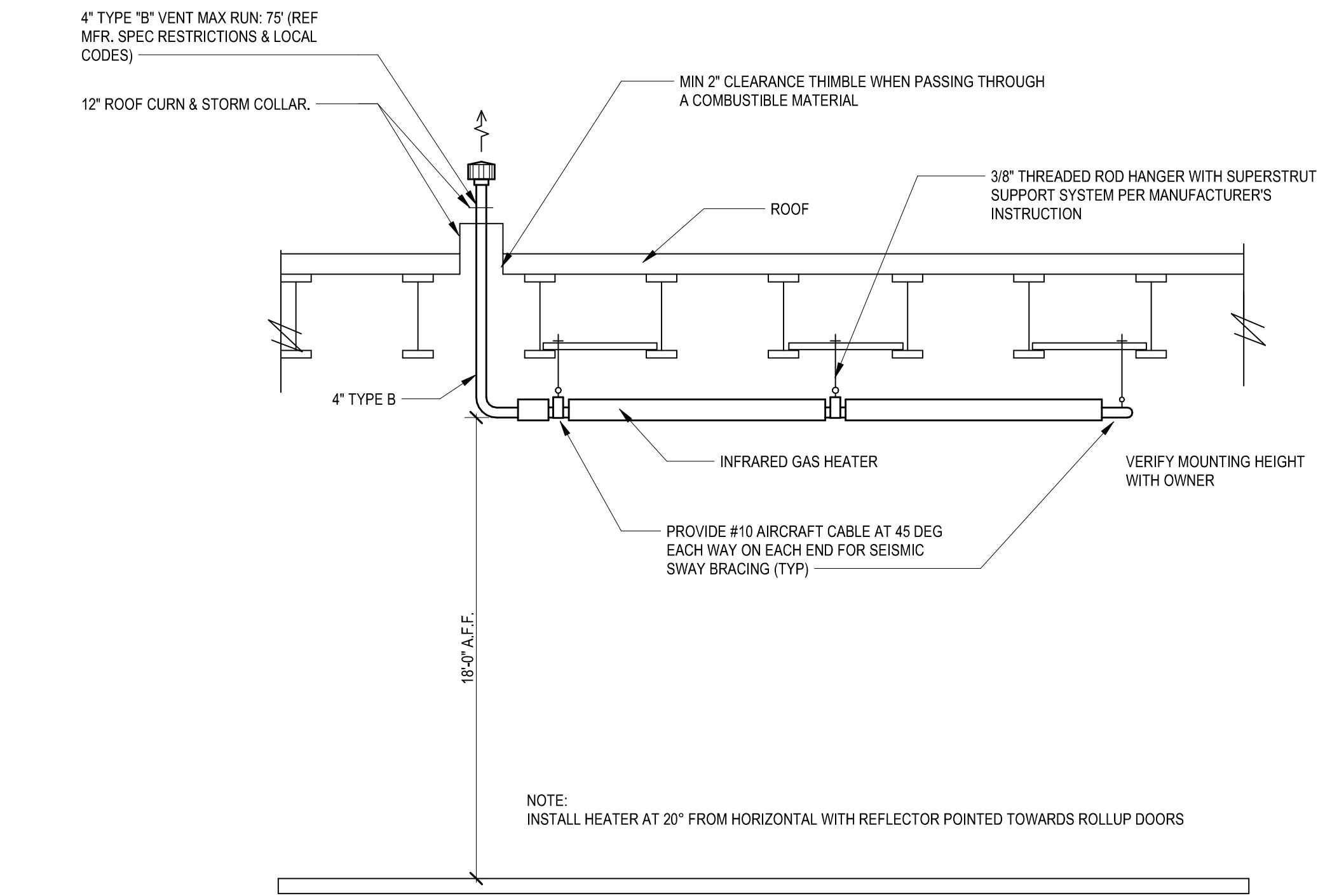
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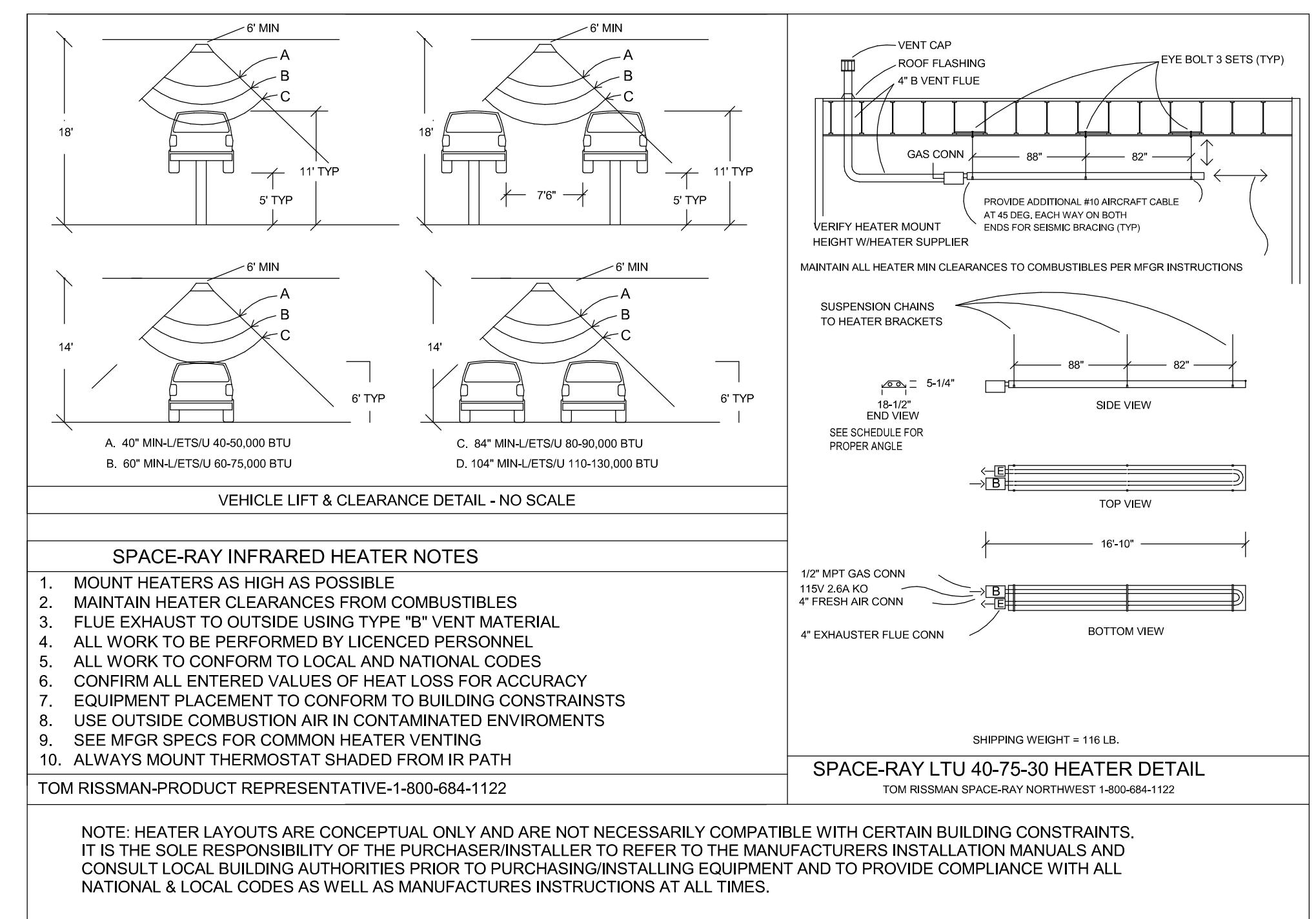
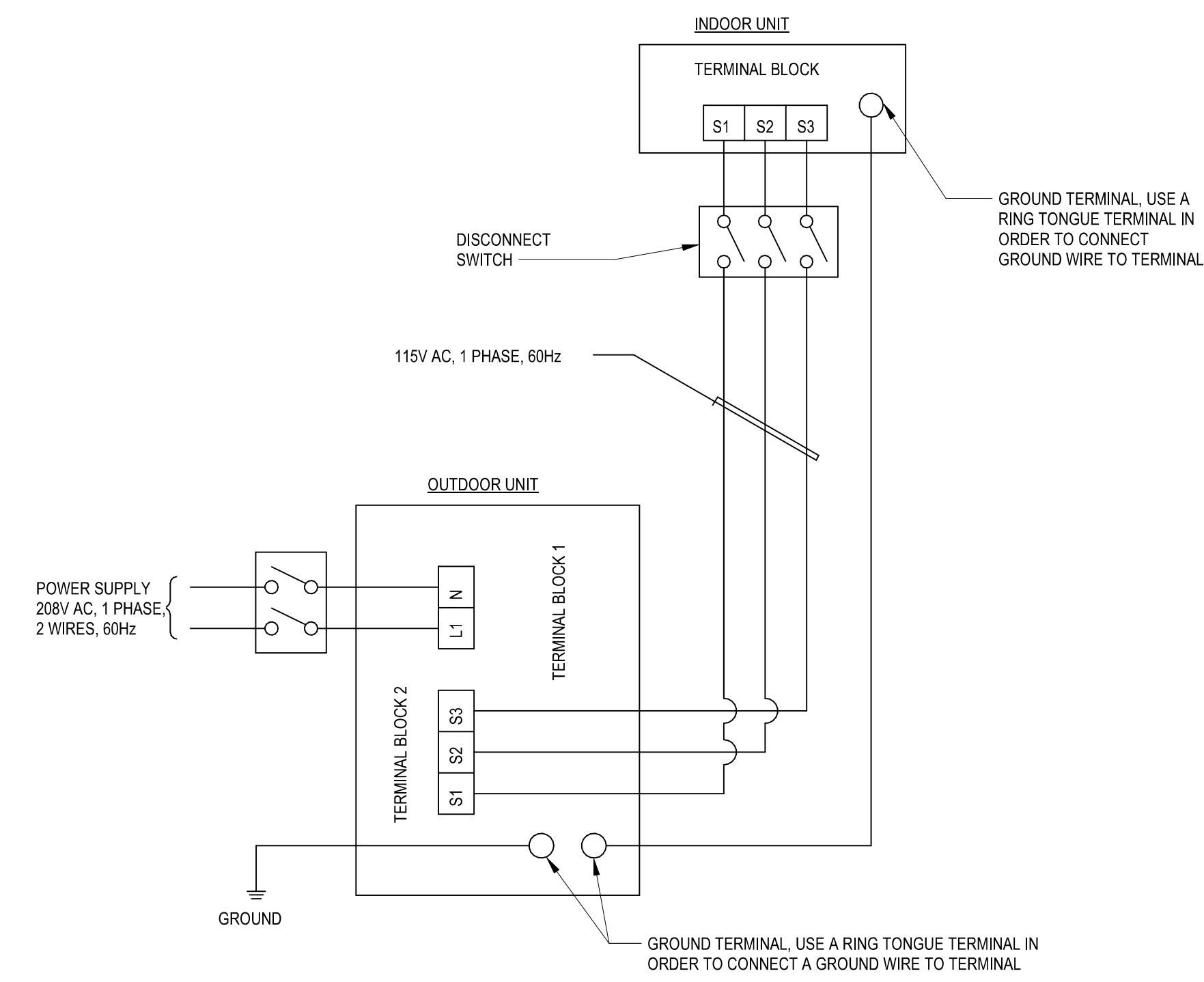
MECHANICAL DETAILS

M502

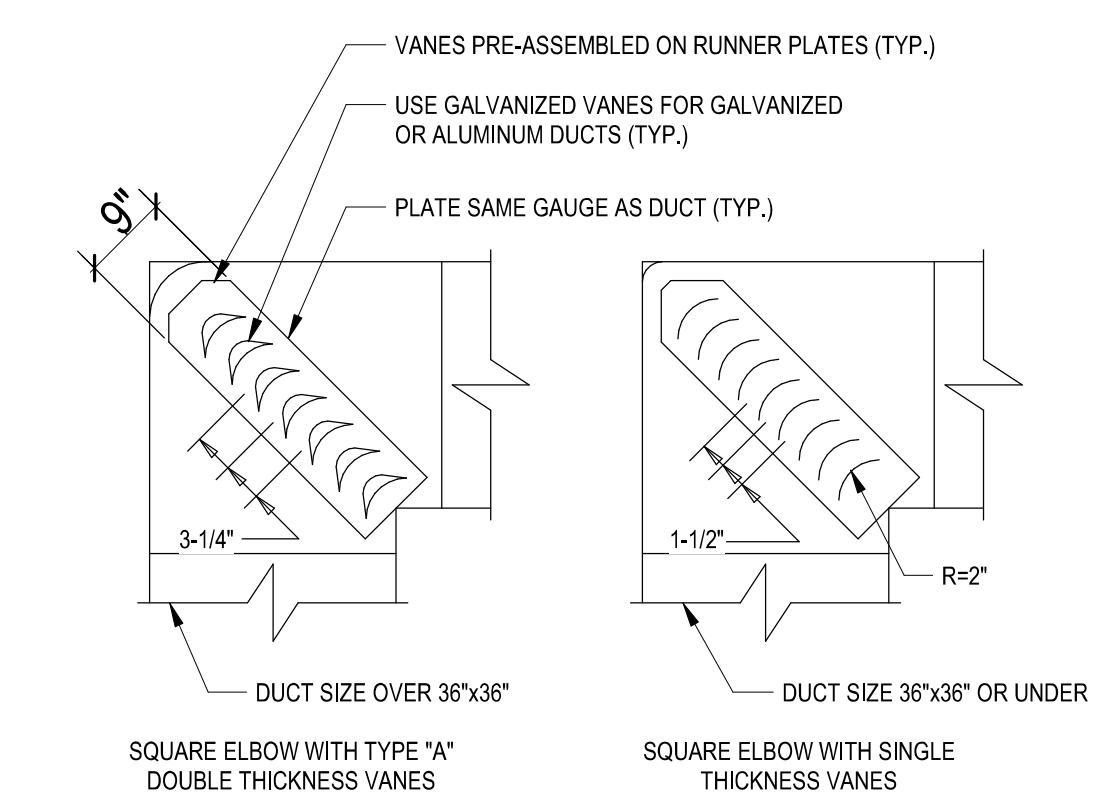


5 INFRARED HEATER DETAIL
SCALE: N.T.S.

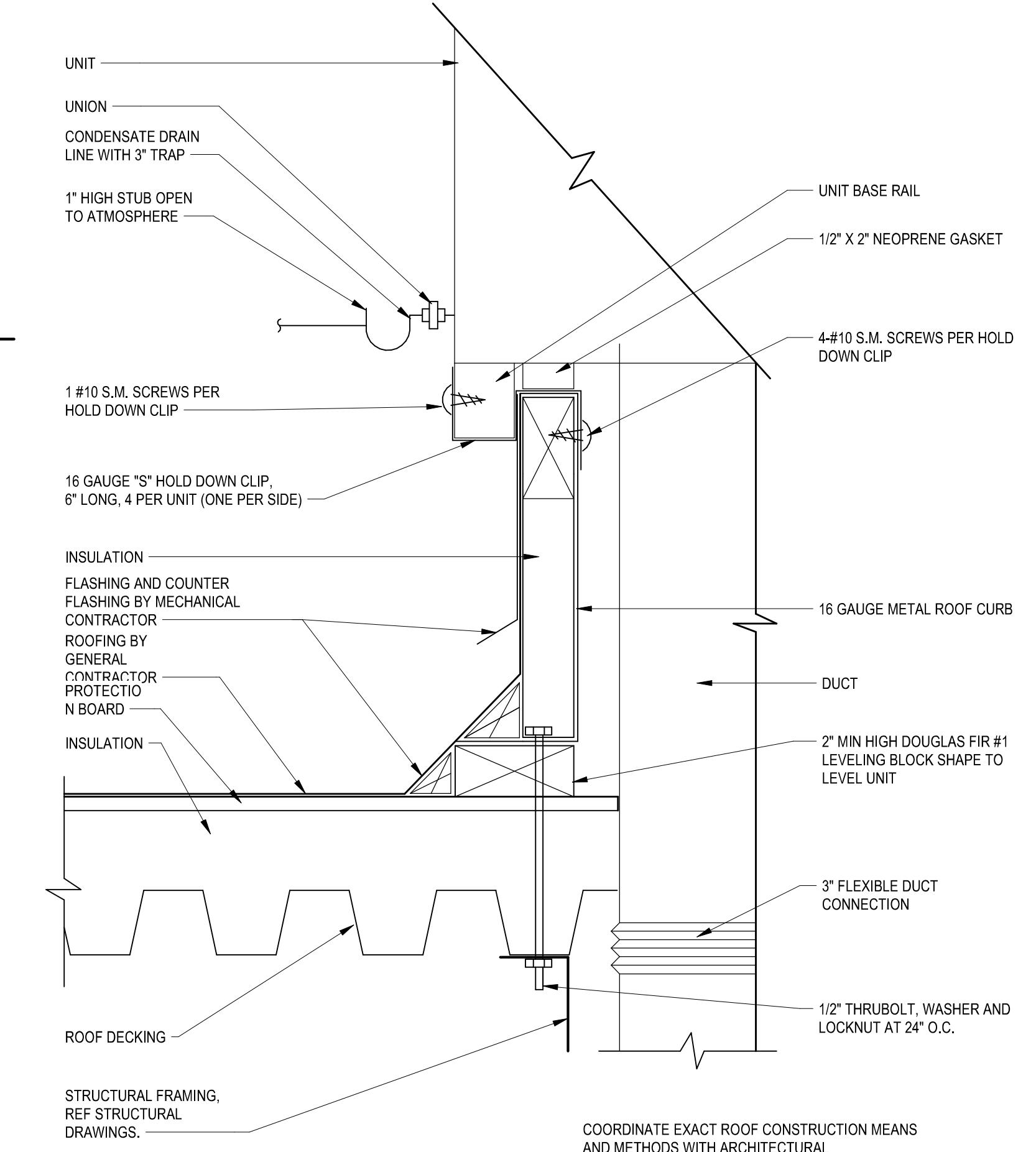
4 DUCTLESS SPLIT SYSTEM WIRING DIAGRAM
SCALE: N.T.S.



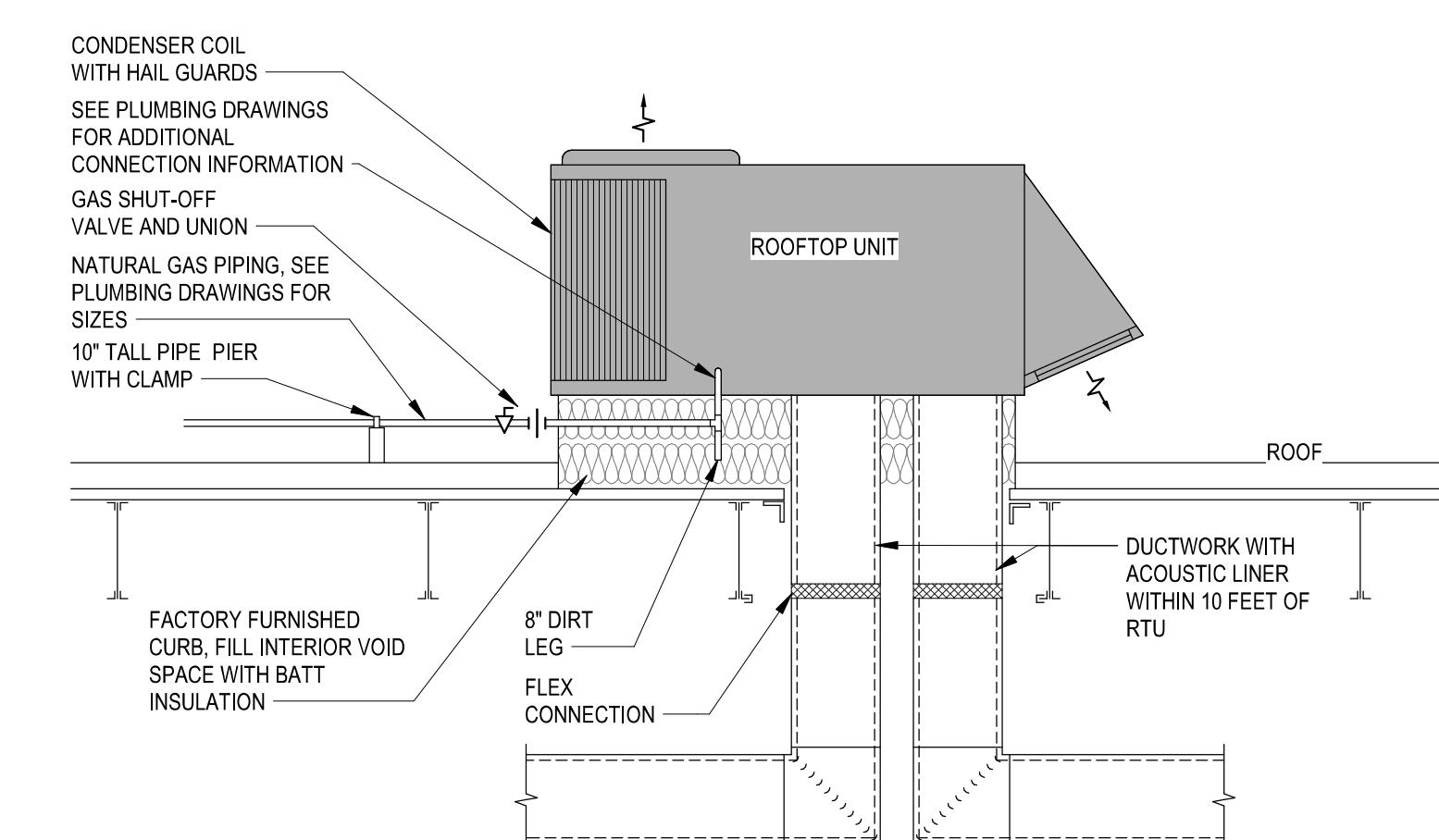
6 SPACE-RAY HEATER DETAIL
SCALE: 1/8" = 1'-0"



1 TURNING VANE DETAIL
SCALE: N.T.S.



2 ROOF CURB DETAIL
SCALE: N.T.S.



3 RTU INSTALLATION DETAIL
SCALE: 1/8" = 1'-0"