

CBRE - MICHAEL'S ROOFTOP UNIT REPLACEMENT PUYALLUP, WASHINGTON



SOCOTEC CONSULTING, INC.
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CBRE - MICHAELS
4621 MERIDIAN AVENUE EAST
PUYALLUP, WA 98373

Project Title

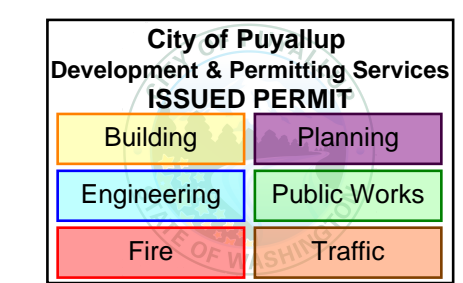
HVAC RTU REPLACEMENT

PRMH20241300

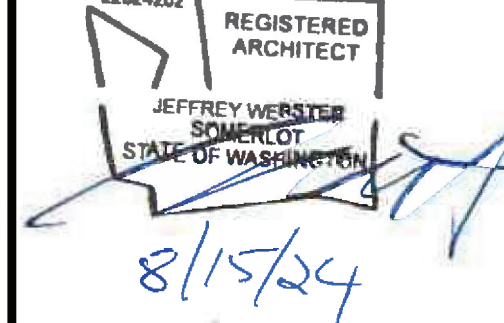
Project Number P243900T

No	Description	Date
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-	-	-
-	-	-

Full sized legible color plans are required to be provided by the permittee on site for inspection.



Stamp 22024202



Drawing Title

PROJECT INFORMATION / SHEET INDEX

Submission

PERMIT

Date AUGUST 12, 2024

Scale AS SHOWN

Drawn By SJH Checked By EW

Drawing Number

GO.00

PROJECT INFORMATION:

SITE LOCATION: 4621 MERIDIAN AVENUE EAST
PUYALLUP, WASHINGTON 98373

GENERAL DESCRIPTION:

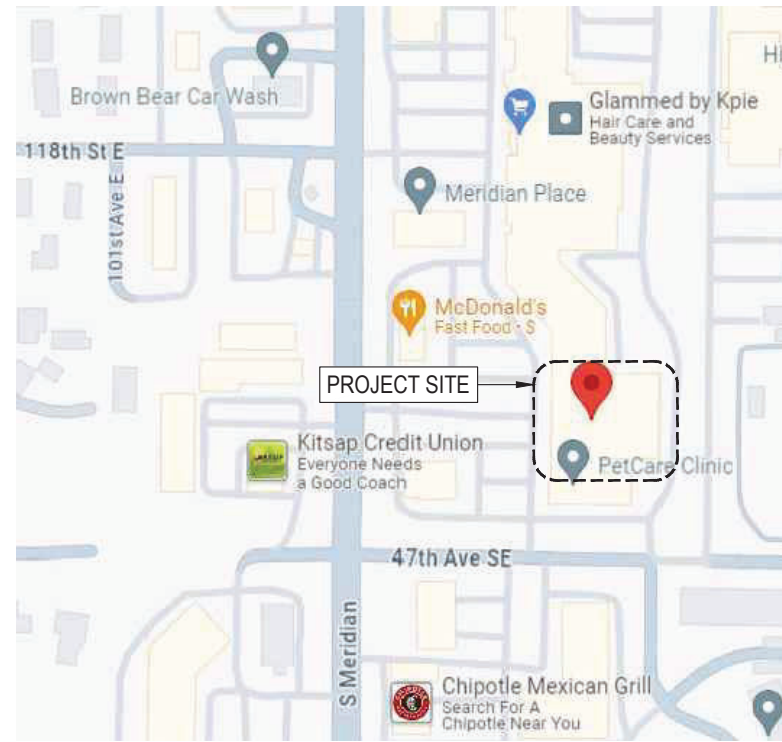
- REMOVE AND DISPOSE OF EXISTING ROOFTOP HVAC UNITS.
- INSTALL AND FLASH NEW CURB EXTENSIONS TO EXISTING ROOF CURBS AND EXISTING ROOF SYSTEM.
- INSTALL AND HOOK UP NEW ROOFTOP HVAC UNITS.

NOTE:
SITE STATISTICS ARE TAKEN FROM AVAILABLE PUBLIC INFORMATION AND HAVE NOT BEEN CONFIRMED BY ACTUAL SURVEY.

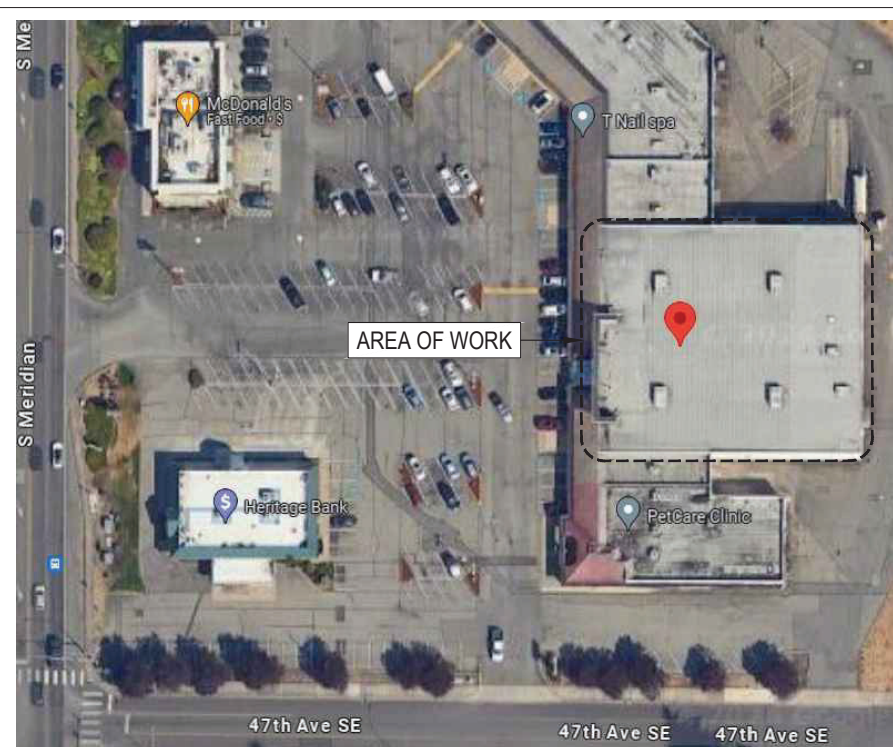
GENERAL NOTES:

- ENSURE ALL INTERIOR FINISHES ARE PROTECTED FROM DAMAGE DUE TO THE ENVIRONMENT OR CONSTRUCTION. PHASE ALL WORK TO ALLOW STRUCTURE TO BE WEATHER TIGHT BY CLOSE OF WORK EACH DAY.
- DISENGAGE ALL ELECTRICAL, MECHANICAL AND PLUMBING SYSTEMS TO BE EFFECTED WITH ONGOING WORK. NOTIFY OWNER OF SCHEDULE FOR THIS.
- REMOVE AND PROPERLY CAP ALL ELECTRICAL FIXTURES; STORE ALL TO BE REUSED; NOTIFY OWNER OF ANY IN NEED OF REPAIR/REPLACEMENT.
- REMOVE AND STORE ALL OPERABLE MOTORS AND ASSOCIATED CHAINS AND HARDWARE; NOTIFY OWNER OF ANY IN NEED OF REPAIR/REPLACEMENT.

VICINITY MAP:



SITE MAP:



REFERENCED DESIGN MANUALS FOR INDUSTRY STANDARDS* :

- WOOD DECK CONSTRUCTION
- RESIDENTIAL SHEET METAL
- COMMERCIAL SHEET METAL SEALANTS AND SEALANT APPLICATION
- LOW SLOPE ROOFING
- STEEL ROOF DECK
- LIGHT GAUGE STEEL FRAMING
- ROOF DRAINAGE
- WIND LOADING
- EXTERIOR PAINTING
- ENERGY DESIGN
- REDWOOD DECKS, MATERIALS, CONSTRUCTION & FINISHING, CALIF REDWOOD ASSOC. (2007)
- SMACNA RESIDENTIAL SHEET METAL GUIDELINES, 1ST EDITION (2001)
- SMACNA ARCHITECTURAL SHEET METAL MANUAL 7TH EDITION (2012)
- SWR INSTITUTE: SEALANTS: THE PROFESSIONAL'S GUIDE (2013); ASTM C 1193-16R23 STANDARD GUIDE FOR USE OF JOINT SEALANTS; HANDBOOK OF ADHESIVES AND SEALANTS, 3RD EDITION (2020)
- NRCA ROOFING MANUAL-MEMBRANE ROOF SYSTEMS (2023)
- SDI STEEL DECK INSTITUTE, SDI ROOF DECK DESIGN MANUAL, RDM2 (2020)
- AISI COLD FORMED STEEL DESIGN MANUAL, 2017 EDITION
- ROOF DRAINAGE - SECOND EDITION; ROOF CONSULTANTS INSTITUTE (2021)
- AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) 7-16
- ARCHITECTURAL PAINTING SPECIFICATIONS MANUAL, MASTER PAINTERS INSTITUTE (2019)
- ASHRAE 90.1-2019, ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS

*REFERENCE THE CURRENT VERSION OF THE ABOVE NOTED MANUALS FOR INDUSTRY STANDARDS

**City of Puyallup
Building
REVIEWED
FOR
COMPLIANCE**

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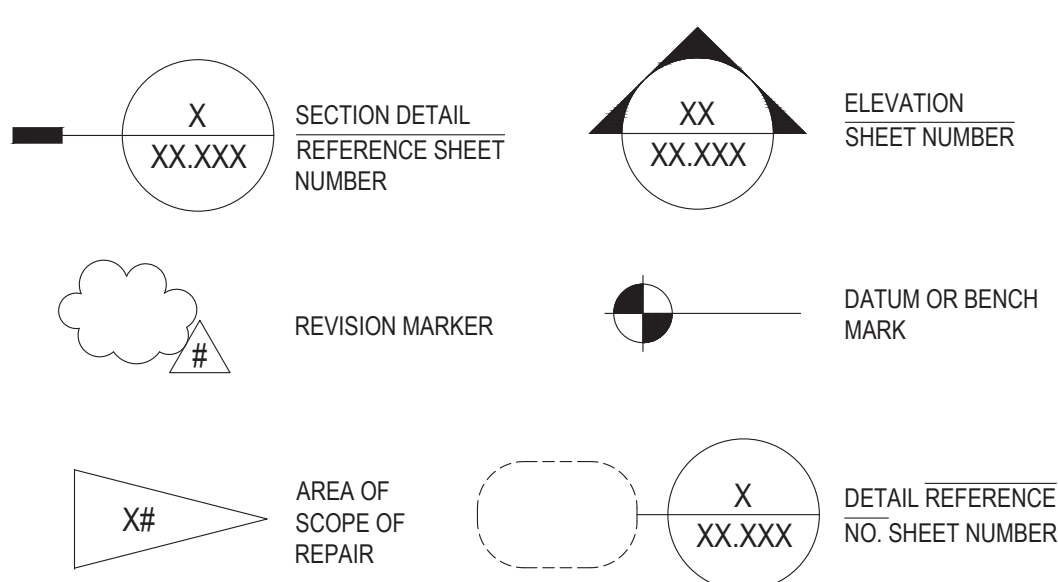


CONSTRUCTION SUBSTITUTION PROTOCOL:

PRODUCT OR SYSTEM SUBSTITUTIONS MAY BE APPROPRIATE DURING THE CONSTRUCTION BASED ON A NUMBER OF FACTORS, SOME OF WHICH ARE NOTED BELOW:

- THE SPECIFIED PRODUCT OR SYSTEMS IS NOT COMPATIBLE WITH AN ADJOINING COMPONENT, PRODUCT OR SYSTEM.
- THE SPECIFIED ITEM NO LONGER COMPLIES WITH THE CURRENT BUILDING CODE REQUIREMENTS;
- THE SPECIFIED PRODUCT OR SYSTEM DOES NOT HAVE A QUALIFIED INSTALLER OR AN INSTALLER CAPABLE OF INSTALLING WITHIN THE PROJECT SCHEDULE;
- THE MANUFACTURER OF THE SPECIFIED PRODUCT DECLINES TO WARRANT THE SPECIFIED DESIGN; OR
- THE OWNER DECIDED TO SUBSTITUTE A LESS COSTLY COMPONENT WITHIN THE DESIGN.

SYMBOLS:



ABBREVIATIONS:

A	ANCHOR BOLT	EL	ELEVATION (GRADE)	L	LEAD FLASHING
ADDL	ADDITIONAL	EMER	EMERGENCY	LB	LINEAR FEET
ADJ	ADJUSTABLE	ENCL	ENCLOSED	LD	LONG LEG VERTICAL
AFF	ABOVE FINISHED FLOOR	ENR	ENTRANCE	LF	LIVE LOAD
ALUM	ALUMINUM	EQ	EQUAL	LL	LAP PLATE
ALT	ALTERNATE	EST	ESTIMATED	LP	LIGHT
ARCH	ARCHITECTURAL	EXH	EXHAUST	LT	LIGHTING
ASSY	ASSEMBLY	EXP	EXPOSED, EXPANSION	LTG	LIGHTING
ATCH	ATTACH(ED)	EXT	EXTERIOR		
AUX	AUXILIARY	RGFL	RIDGE FLASHING		
AVE	AVENUE	RKF	RAKE FLASHING		
B	BOARD	F	FABRICATED	M	MAXIMUM
BD	BELOW GRADE	FAB	FASTENED	MECH	MECHANICAL
BG	BUILDING LINE	FAST	FIBERBOARD	MFR	MANUFACTURER
BL	BUILDING	FBD	FIELD VERIFY	MIN	MINIMUM
BLDG	BLOCKING	FV	FLASHING	MISC	MISCELLANEOUS
BLKG	BEAM	FLG	FLOOR DRAIN	MO	MASONRY OPENING
BMI	BACKER PLATE	FD	FOUNDATION	MP	METAL PANEL
BRG	BEARING	FND	FACTORY FINISH	MTL	METAL
BRK	BRICK	FF	FINISHED		
BRKT	BRACKET	FIN	FLOOR LINE	N	NEW
BRM	BREATHER MEMBRANE	FL	FLANGE	(N)	NORTH
BSMT	BASEMENT	FLG	FLOORING	N	NOT IN CONTRACT
BTN	BATTEN	FLR	FLOORING	NIC	NUMBER
BTU	BRITISH THERMAL UNIT	FM	FM GLOBAL	NO	NOMINAL
BTW	BETWEEN	FRT	FIRE RETARDANT TREATED	NOM	NOISE REDUCTION
BTYL	BUTYL	FT	FOOT, FEET	NRC	COEFFICIENT
BUR	BUILT UP ROOF MEMBRANE	FTG	FOOTING	NTS	NOT TO SCALE
BW	BOTTOM OF WALL	FURR	FURRING		
C	CAPACITY	G	GALVANIZED	O	OVERALL
C/C	COPING CAP	GALV	GENERAL CONTRACTOR	OA	ON CENTER
CF	CUBIC FEET	GC	GLASS	OC	OUTSIDE DIAMETER
CFM	CUBIC FEET PER MINUTE	GND	GROUND	OD	OF
CFM	CUBIC FEET PER MINUTE	GRVST	GRAVEL STOP	OFD	OVERFLOW DRAIN
CJ	CONTROL JOINT	GS	GALVANIZED STEEL	OH	OVERHEAD
CL	CENTER LINE	GWB	GYP SUM WALL BOARD	OPP	OPPOSITE
CLD	CLADDING	GYP	GYP SUM	OTS	OPEN TO STRUCTURE
CLG	CEILING	H	HEIGHT, HIGH	OZ	OUNCE
CMU	CONCRETE MASONRY UNIT	HT	HAT CHANNEL	P	PRECAST CONCRETE
CO	CLEAN OUT	HB	HOLE BIB	PC	PLAZA DRAIN
COL	COLUMN	HC	HARDBOARD	PD	POLYETHYLENE
CONC	CONCRETE	HDBD	HIGH DENSITY POLYETHYLENE	PE	PLATE
COND	CONDUIT	HDPE	HOLLOW METAL	PL	PERIMETER
CONT	CONTINUOUS	HM	HORIZONTAL	PRTR	POUNDS PER SQUARE FOOT
CFLG	COUNTER FLASHING	HR	HOUR	PSF	POUNDS PER SQUARE INCH
CP	COVER PLATE	HRV	HEATING, VENTILATION & COOLING	PT	PAINT
CT	CERAMIC TILE	I	INTERNATIONAL BLDG CODE	PLYD	PLYWOOD
CT	COATING	IBC	INSIDE DIAMETER	PIU	POLYURETHANE
CY	CUBIC YARD	ID	INSIDE DIAMETER	PVC	POLYVINYL CHLORIDE
D	DIMENSIONS	IN	INCH	PWR	PRESSURE-TREATED
d	DIMENSIONS	IND	INDUSTRIAL	P-T	
DEG	DEGREES	INSUL	INSULATION	Q	QUARRY TILE
DEMO	DEMOLISH	INT	INTERIOR	QT	QUANTITY
DEPT	DEPARTMENT	IRC	INTERNATIONAL RESIDENTIAL CODE	R	RISER
DET	DETAIL	J	JOIST	R	RADIUS
DIA	DIAMETER	JST	JOIST	RD	ROOF DRAIN
DIM	DIMENSIONS	JNT	JOINT	REF	REFERENCE
DG	DOWNSPOUT	K	1000 LBS.	RENF	REINFORCED / REINFORCING
DL	DEAD LOAD	KSI	KIPS PER SQUARE INCH	REQ'D	REQUIRED
DN	DOWN	KW	KILOWATTS	RF	ROOFING FASTENER
DR	DOOR	E	EXISTING	RGT	REGLET
DS	DRAIN SUMP/DOWN SPOUT	EA	EACH	RM	ROOM
DWG	DRAWINGS	EB	EXPANSION BOLT	RN	ROOFING NAIL
DWL	DOWEL	EF	EAVE FLASHING		
E	EXISTING	EJ	EXPANSION JOINT		

SHEET INDEX:

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A2.00	RTU 1-4 ASSEMBLY PLANS / SECTIONS
A3.00	RTU 5 ASSEMBLY PLANS / SECTIONS
A4.00	RTU 6 ASSEMBLY PLANS / SECTIONS
S1.00	STRUCTURAL ROOF PLAN
M0.00	MECHANICAL LEGEND AND ABBREVIATIONS
M1.00	MECHANICAL BASIS OF DESIGN, AND NOTES
M1.10	MECHANICAL SCHEDULES
M2.00	MECHANICAL DEMO PLAN
M2.10	MECHANICAL ROOF PLAN
M3.00	MECHANICAL DETAILS

Approval of submitted plans is not an approval of omissions or oversights by this office or non compliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.

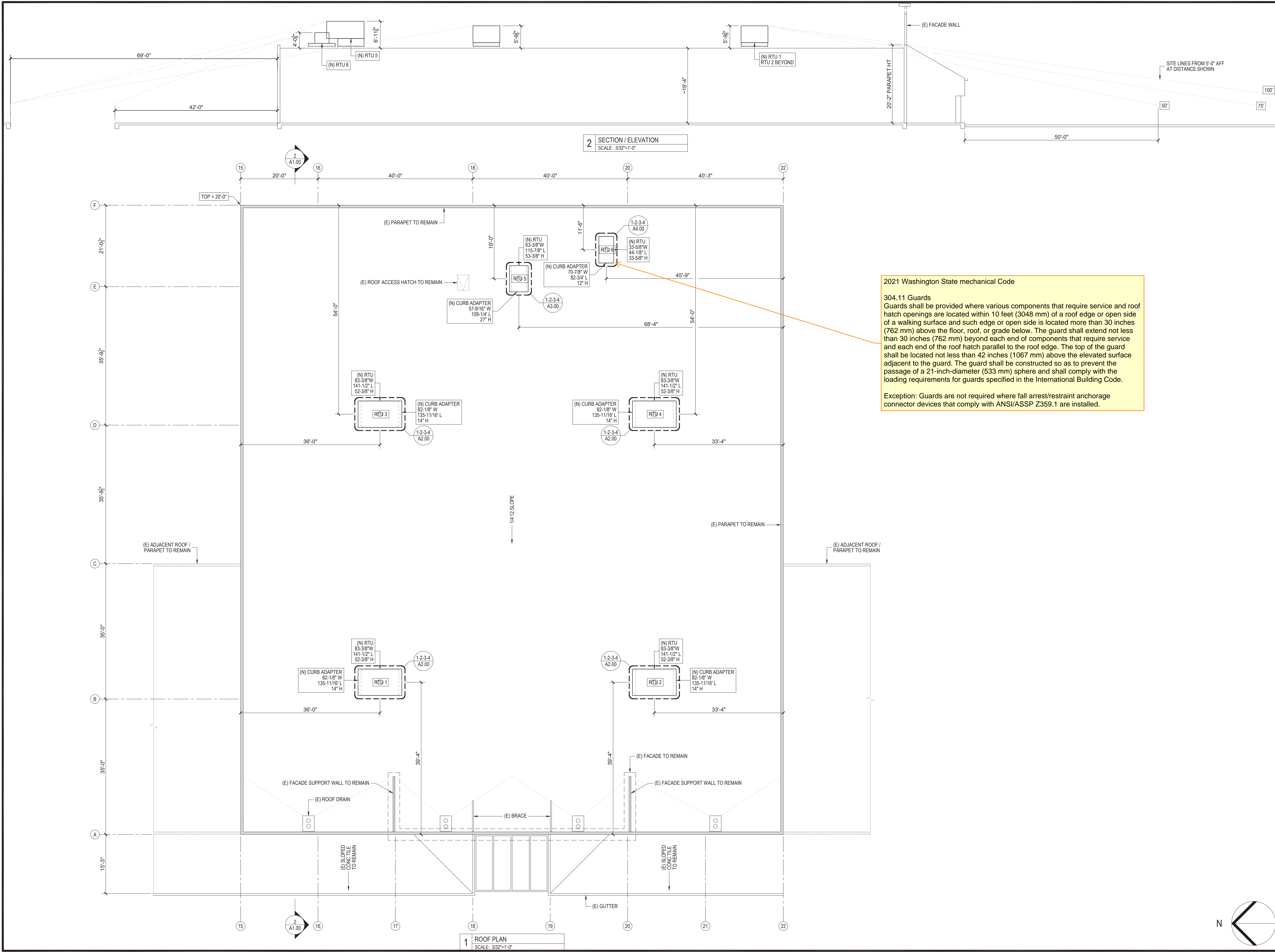
The approved construction plans, documents, and all engineering must be posted on the job at all inspections in a visible and readily accessible location.

Full sized legible color plans are required to be provided by the permittee on site for inspection.

Separate Electrical Permit is required with the Washington State Department of Labor & Industries.
<https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections> or call for Licensing Information: 1-800-647-0982

PROJECT TEAM:

CLIENT:	MICHAEL'S 4621 S. MERIDIAN ST. SUITE A905 PUYALLUP, WA 98373 (253) 864-7600
PROJECT MANAGER:	CBRE ON DEMAND PROJECT MANAGEMENT HARLINGEN, TEXAS 78552
CONTACT:	JASON FOLSOM Email: Jason.Folsom@cbre.com Phone: (956) 207-7777
BUILDING ENVELOPE DESIGN:	SOCOTEC CONSULTING, INC. 401 2nd Ave S., SUITE 301 SEATTLE, WASHINGTON 98104 Phone: (206) 467-0544
PRINCIPAL:	DARBI KRUMPOS Email: Darbi.Krumpos@socotec.us
ARCHITECT:	NAME Email: Name.Name@socotec.us
PROJECT MANAGER:	EMILE WANG Email: Emile.Wang@socotec.us



2021 Washington State mechanical Code

304.11 Guards
 Guards shall be provided where various components that require service and roof hatch openings are located within 10 feet (3048 mm) of a roof edge or open side of a walking surface and such edge or open side is located more than 30 inches (762 mm) above the floor, roof, or grade below. The guard shall extend not less than 30 inches (762 mm) beyond each end of components that require service and each end of the roof hatch parallel to the roof edge. The top of the guard shall be located not less than 42 inches (1067 mm) above the elevated surface adjacent to the guard. The guard shall be constructed so as to prevent the passage of a 21-inch-diameter (533 mm) sphere and shall comply with the loading requirements for guards specified in the International Building Code.

Exception: Guards are not required where fall arrest/restraint anchorage connector devices that comply with ANSI/ASSP Z359.1 are installed.



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 PUYALLUP, WA 98375

Project Title

HVAC RTU REPLACEMENT

PRMH20241300

Project Number: P243900T

No.	Description	Date
-	-	-

City of Puyallup
 Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

Stamp: 22024202
 REGISTERED ARCHITECT
 JEFFREY WEBSTER
 SOCOTEC
 STATE OF WASHINGTON
 8/15/24

Drawing Title

ROOF PLAN / SIGHT LINE SECTION

Submission

PERMIT

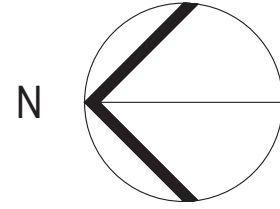
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Drawn By: SJH | Checked By: EW

Drawing Number

A1.00





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4621 MERIDIAN AVENUE EAST
PUYALLUP, WA 98375

Project Title

**HVAC RTU
REPLACEMENT**

PRMH20241300

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City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

Stamp: 22024202
REGISTERED ARCHITECT
JEFFREY WEBSTER
SOCOTEC
STATE OF WASHINGTON
8/15/24

Drawing Title

**RTU 1-4 ASSEMBLY
PLANS / SECTIONS**

PERMIT

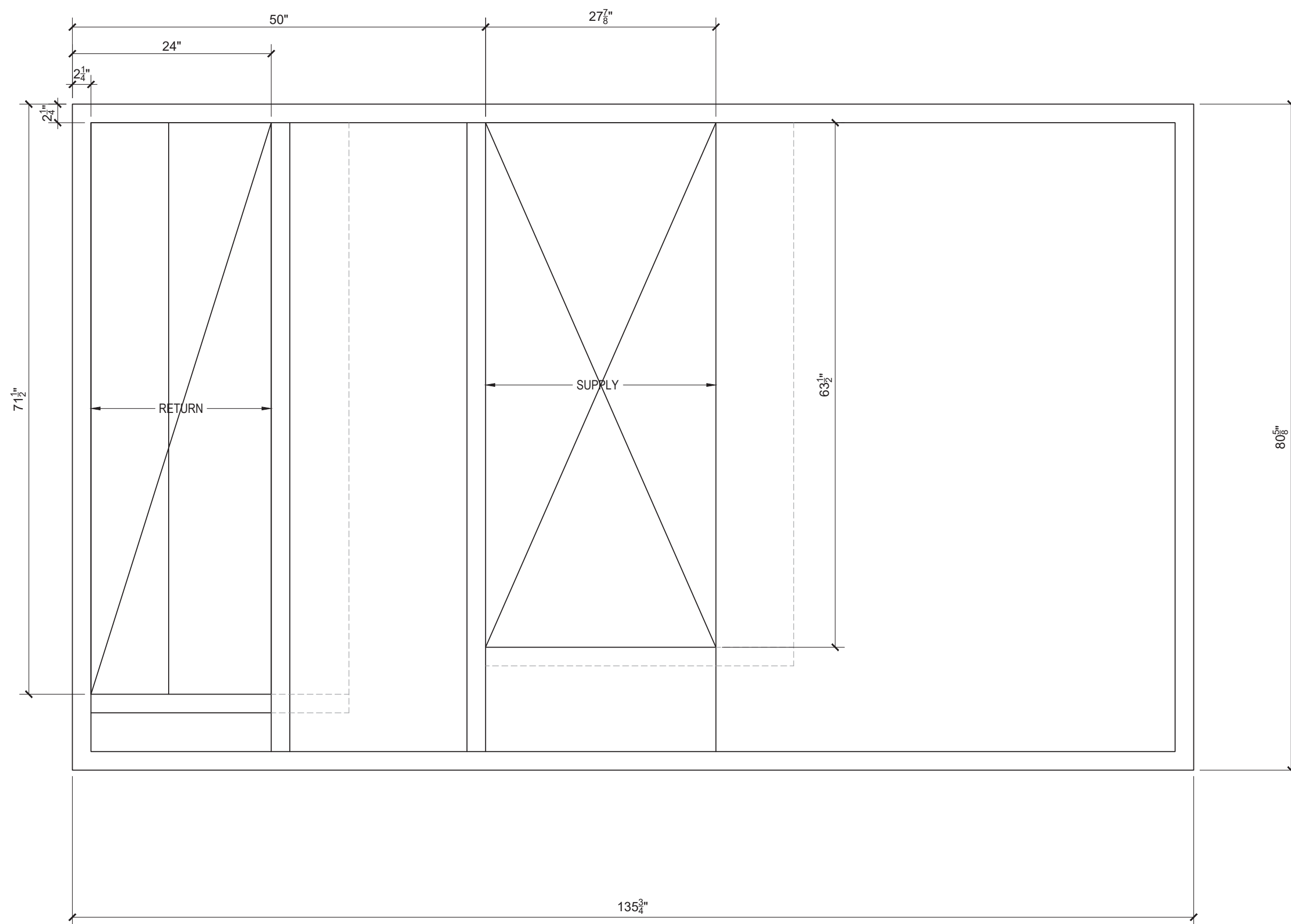
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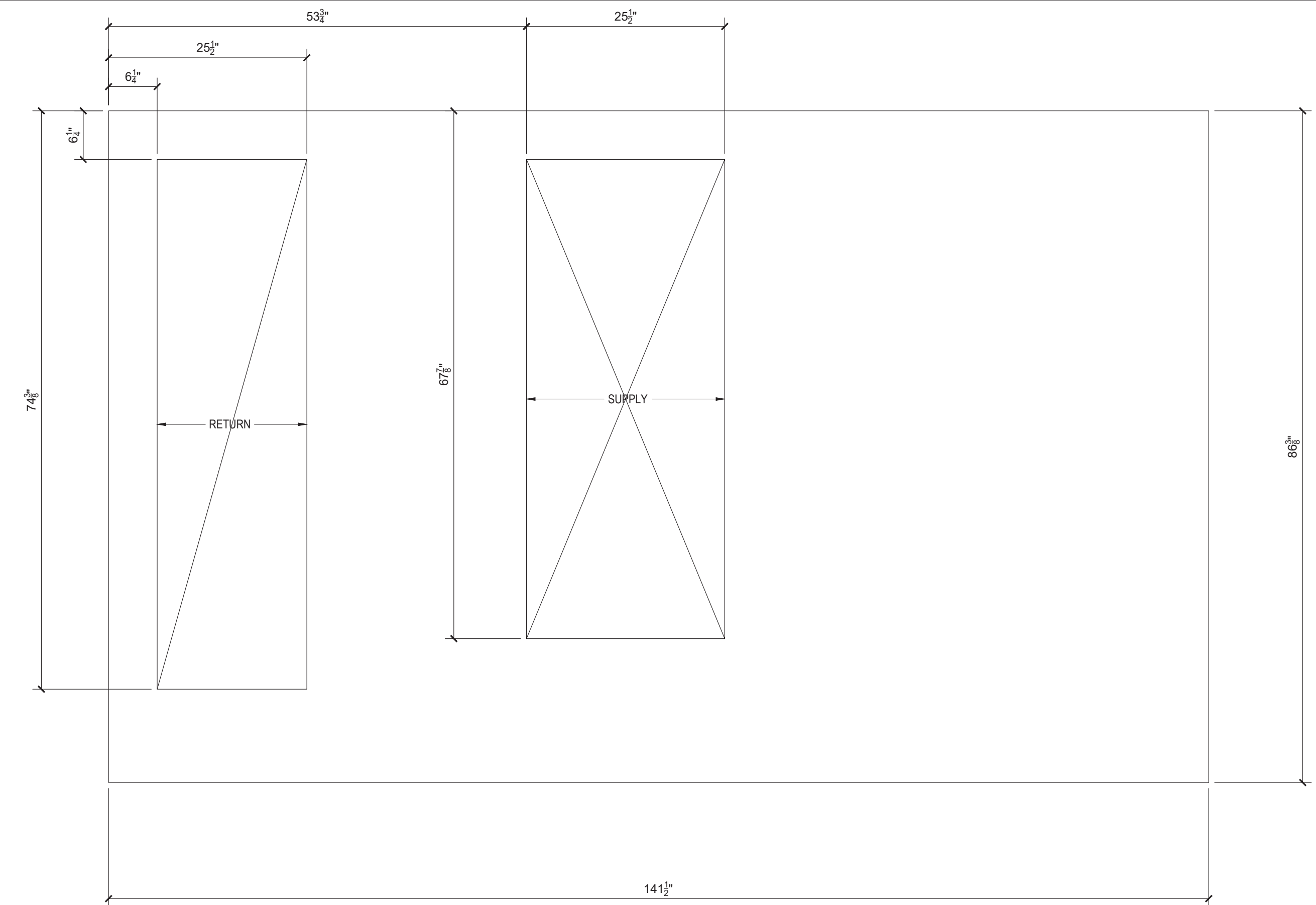
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SJH Checked By
EW

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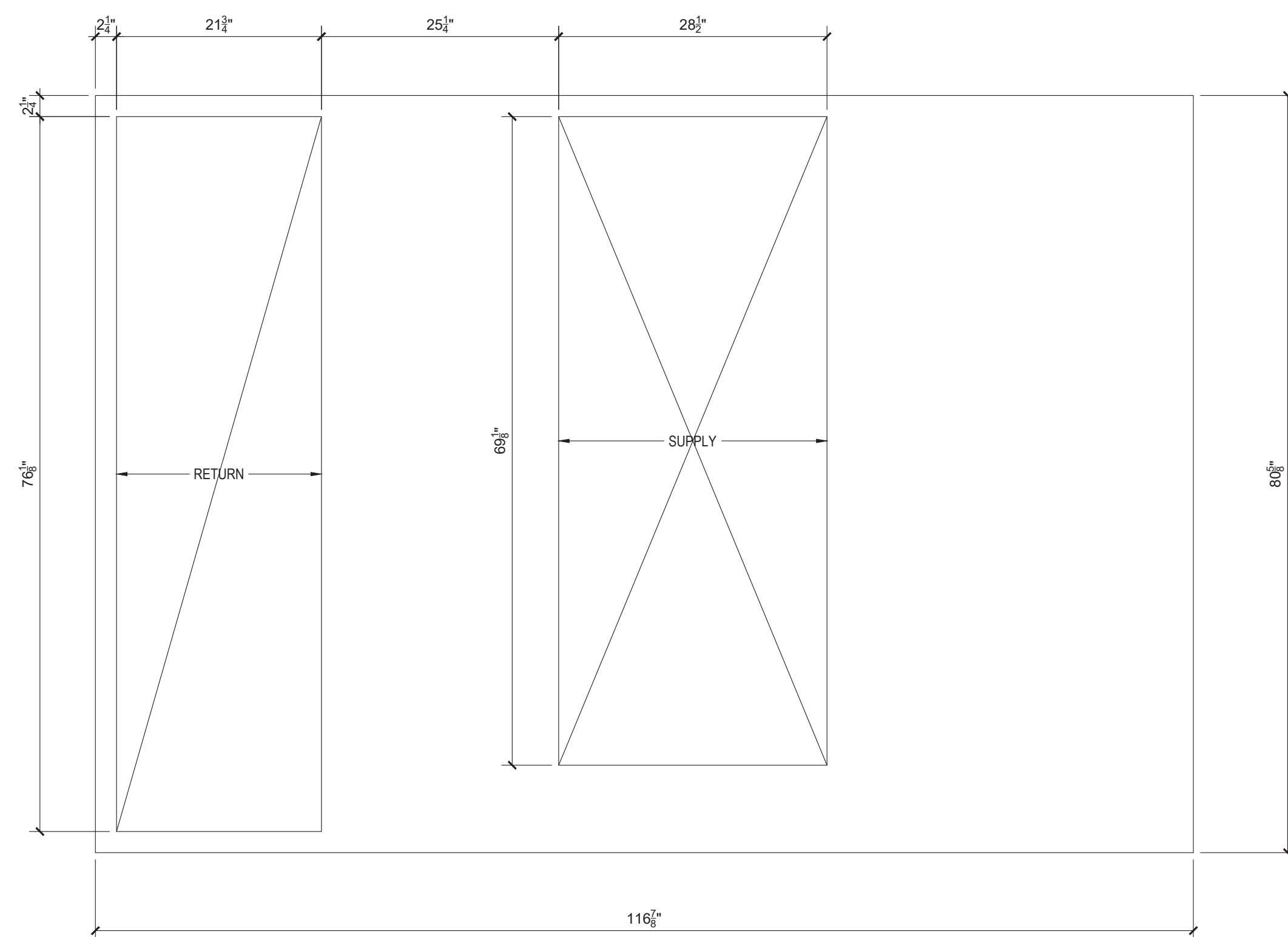
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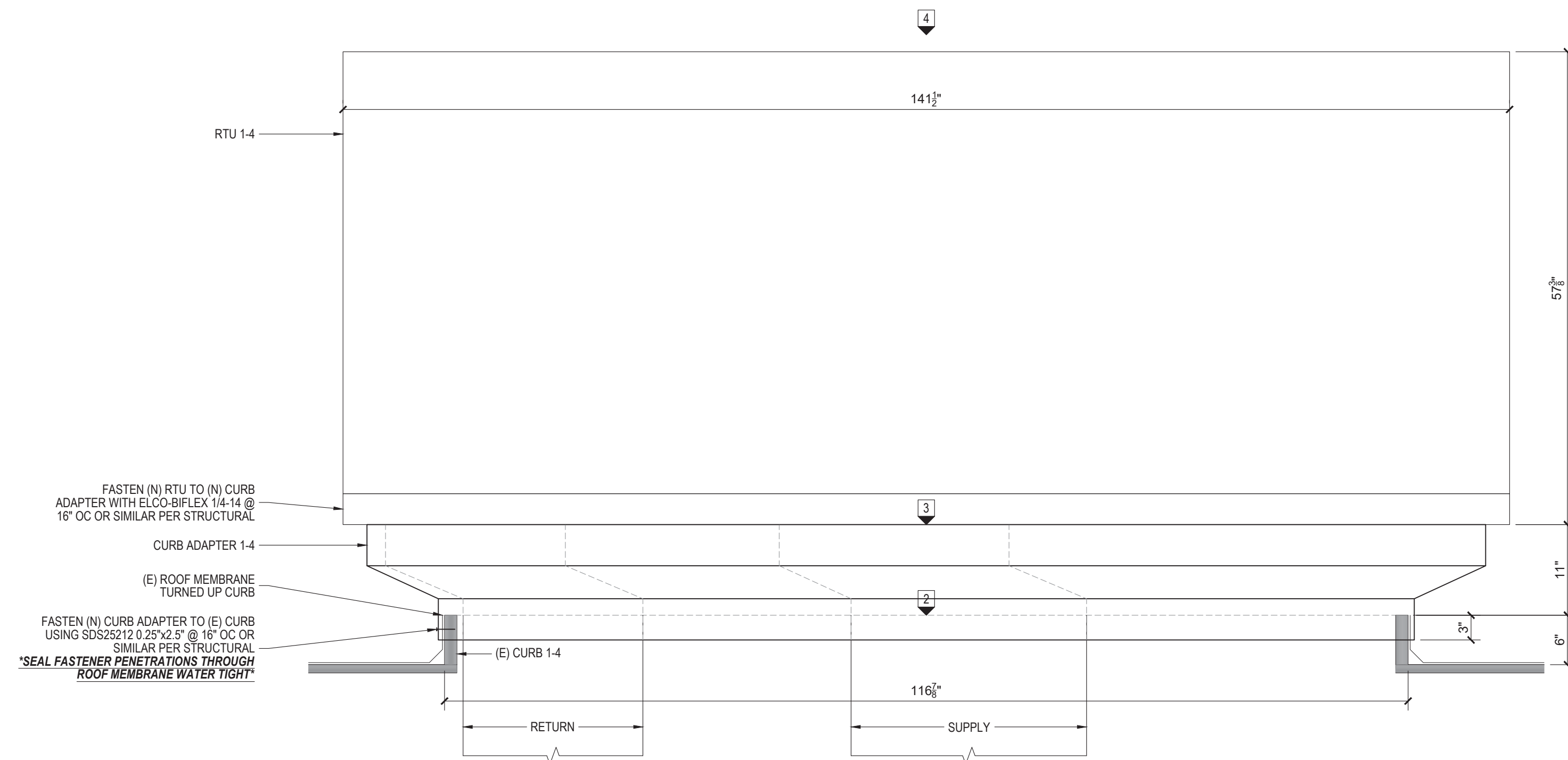
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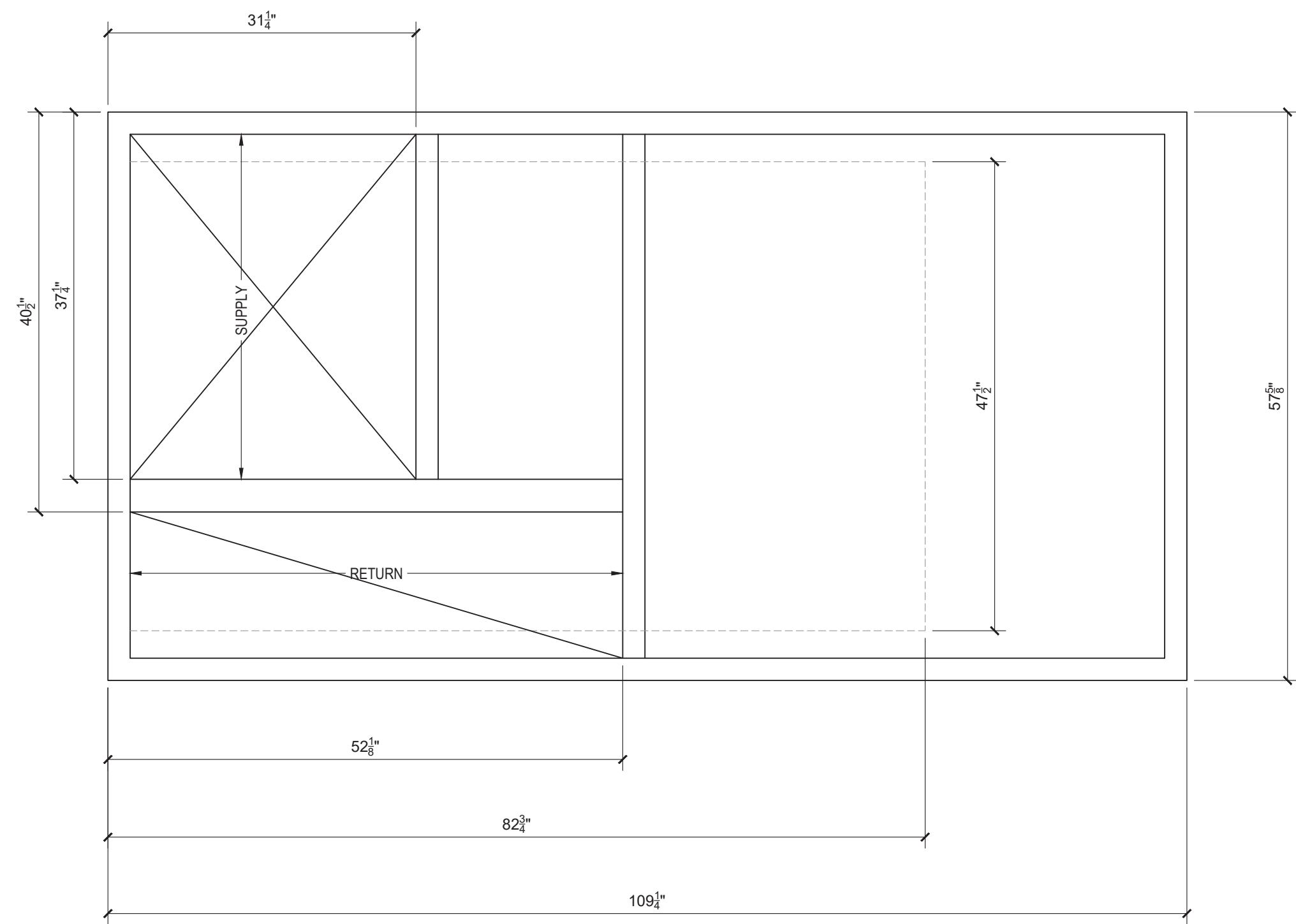
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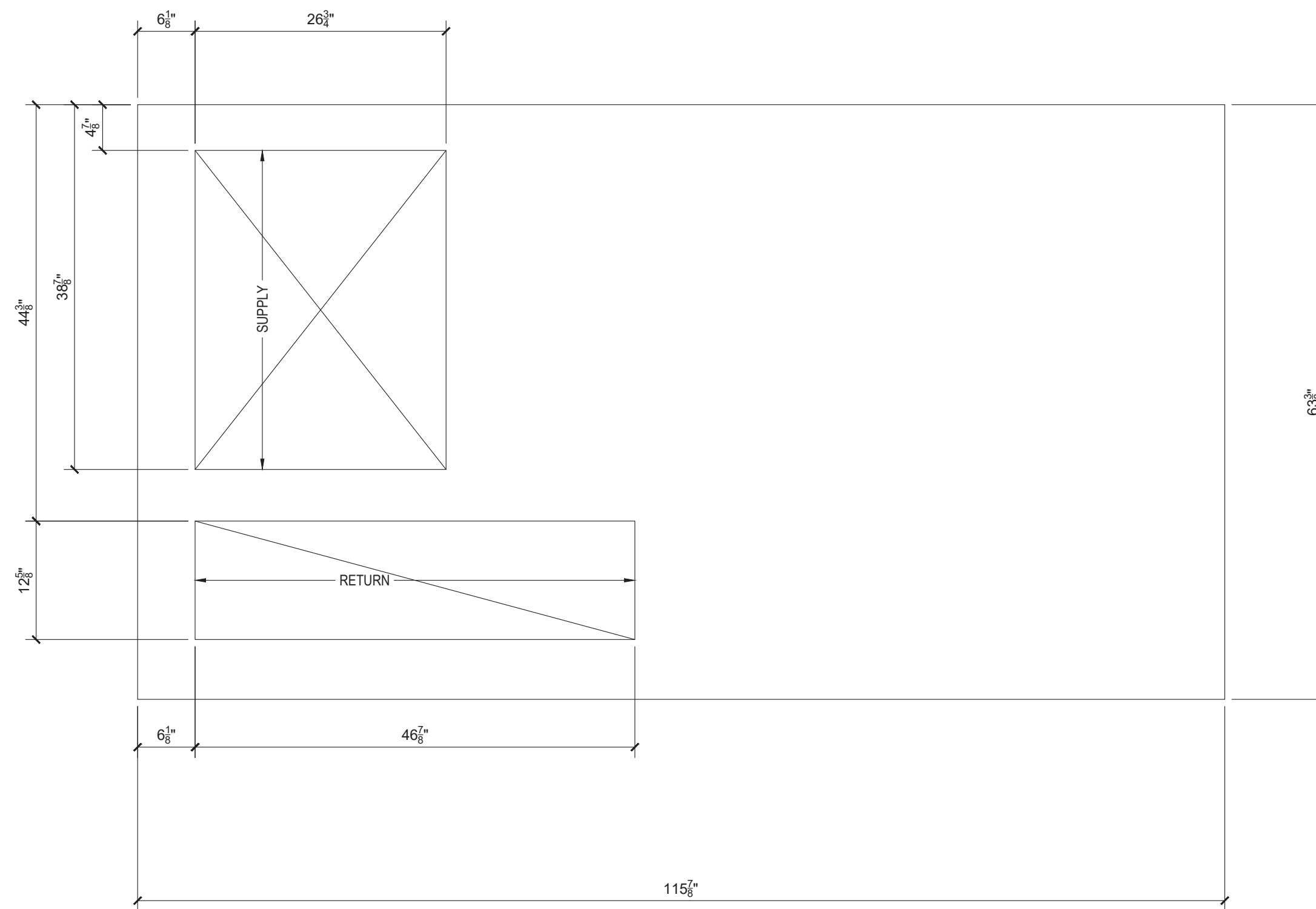
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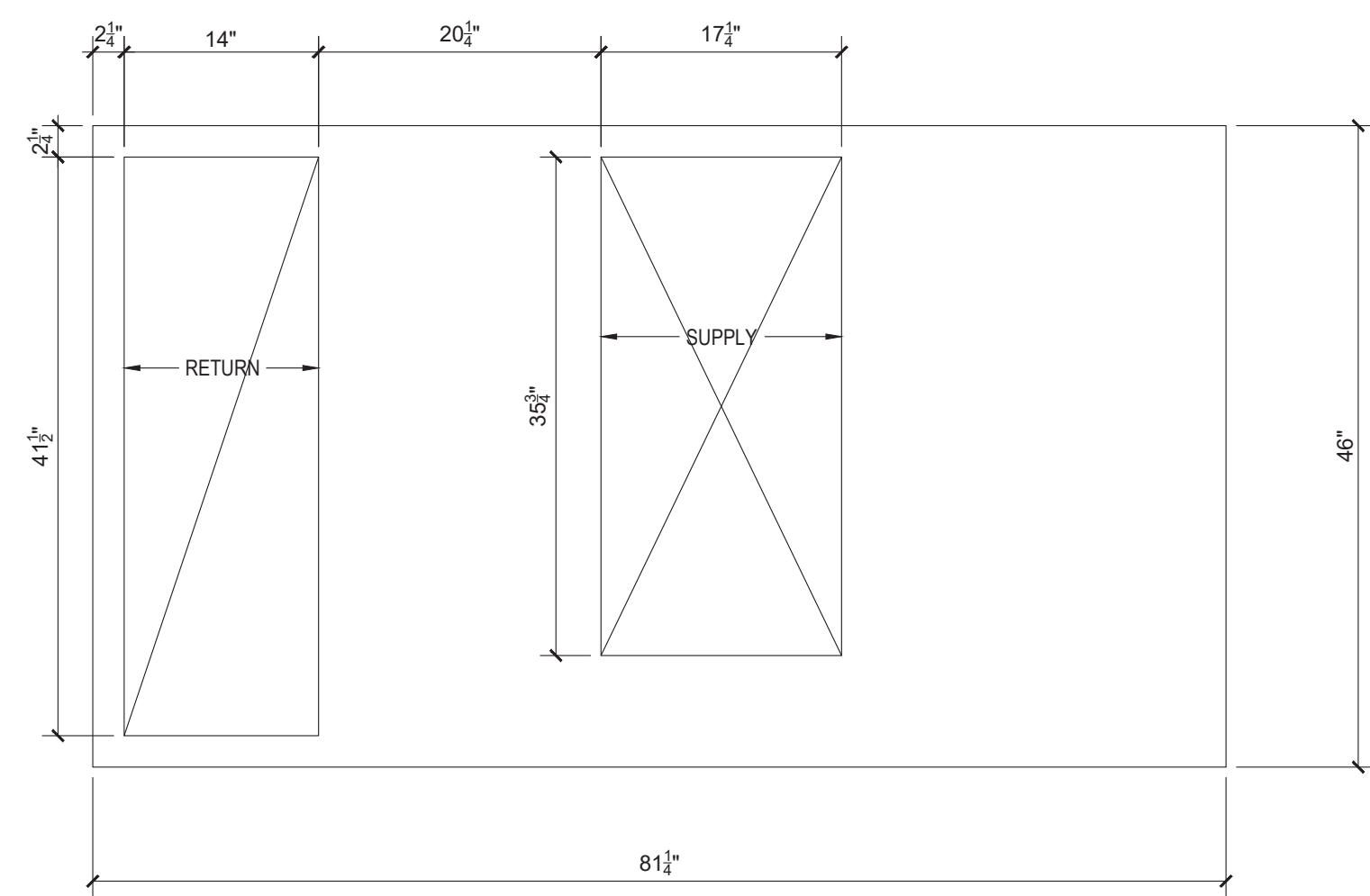
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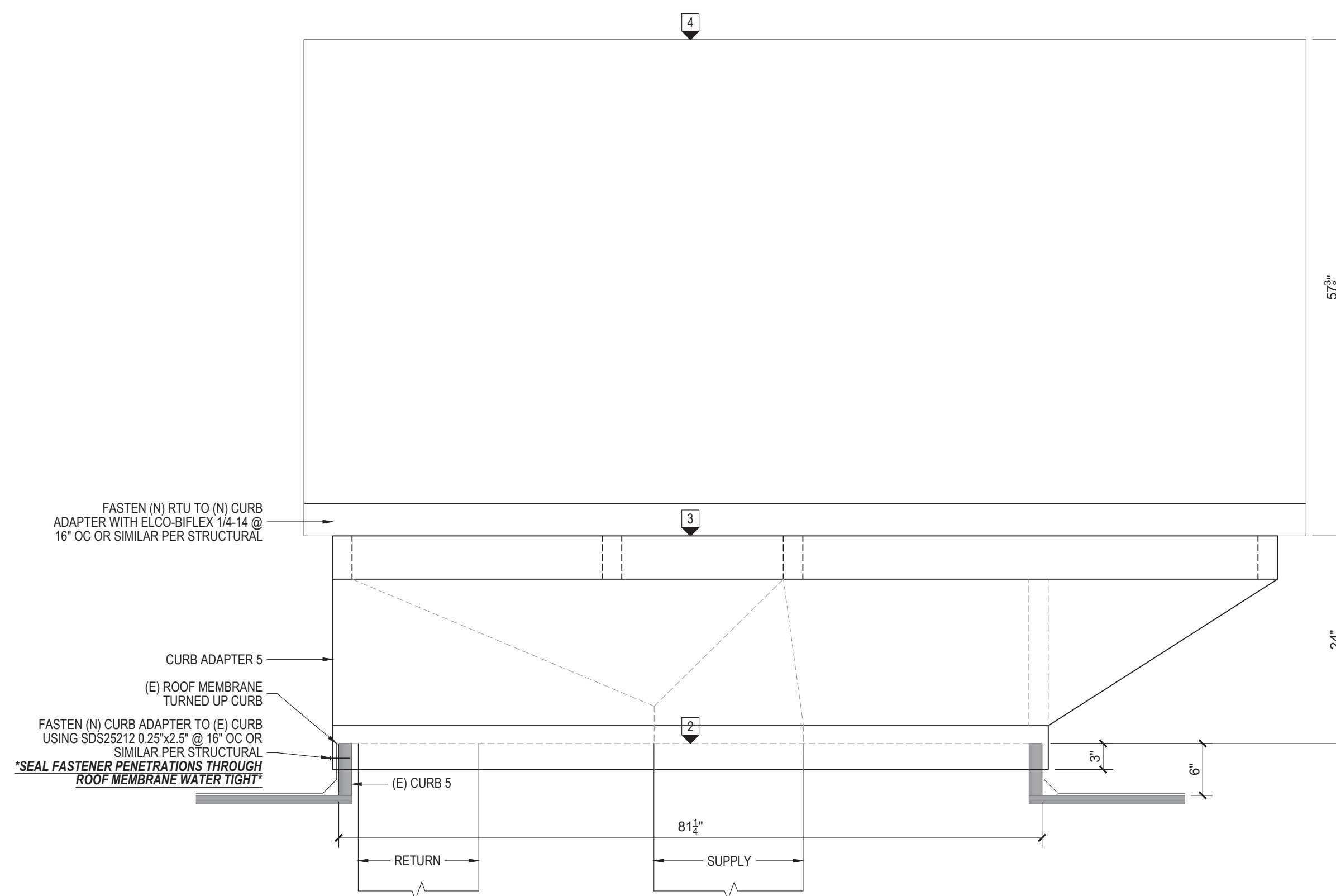
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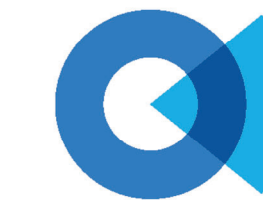
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2 [RTU 5] (E) CURB [PLAN VIEW]
SCALE: 1"=1'-0"



1 [RTU 5] CURB ASSEMBLY SECTION / ELEVATION
SCALE: 1"=1'-0"



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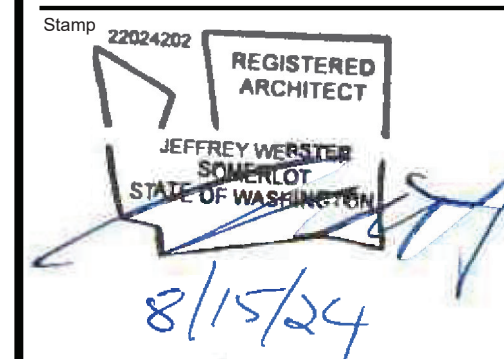
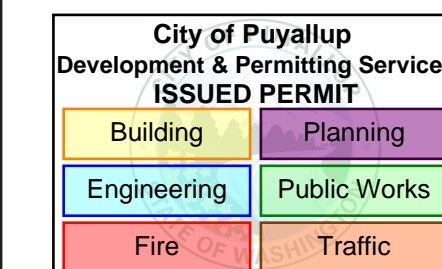
Project Title

HVAC RTU
REPLACEMENT

PRMH20241300

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Revision Date		
No	Description	Date
-	-	-



Drawing Title

RTU 5 ASSEMBLY
PLANS / SECTIONS

Submission

PERMIT

Date AUGUST 12, 2024

Scale AS SHOWN

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Drawing Number

A3.00



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**HVAC RTU
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City of Puyallup
Development & Permitting Services
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Building	Planning
Engineering	Public Works
Fire	Traffic

Stamp: 22024202
REGISTERED ARCHITECT
JEFFREY WEBSTER
SOMERSET
STATE OF WASHINGTON
8/15/24

Drawing Title

**RTU 6 ASSEMBLY
PLANS / SECTIONS**

Submission

PERMIT

Date
AUGUST 12, 2024

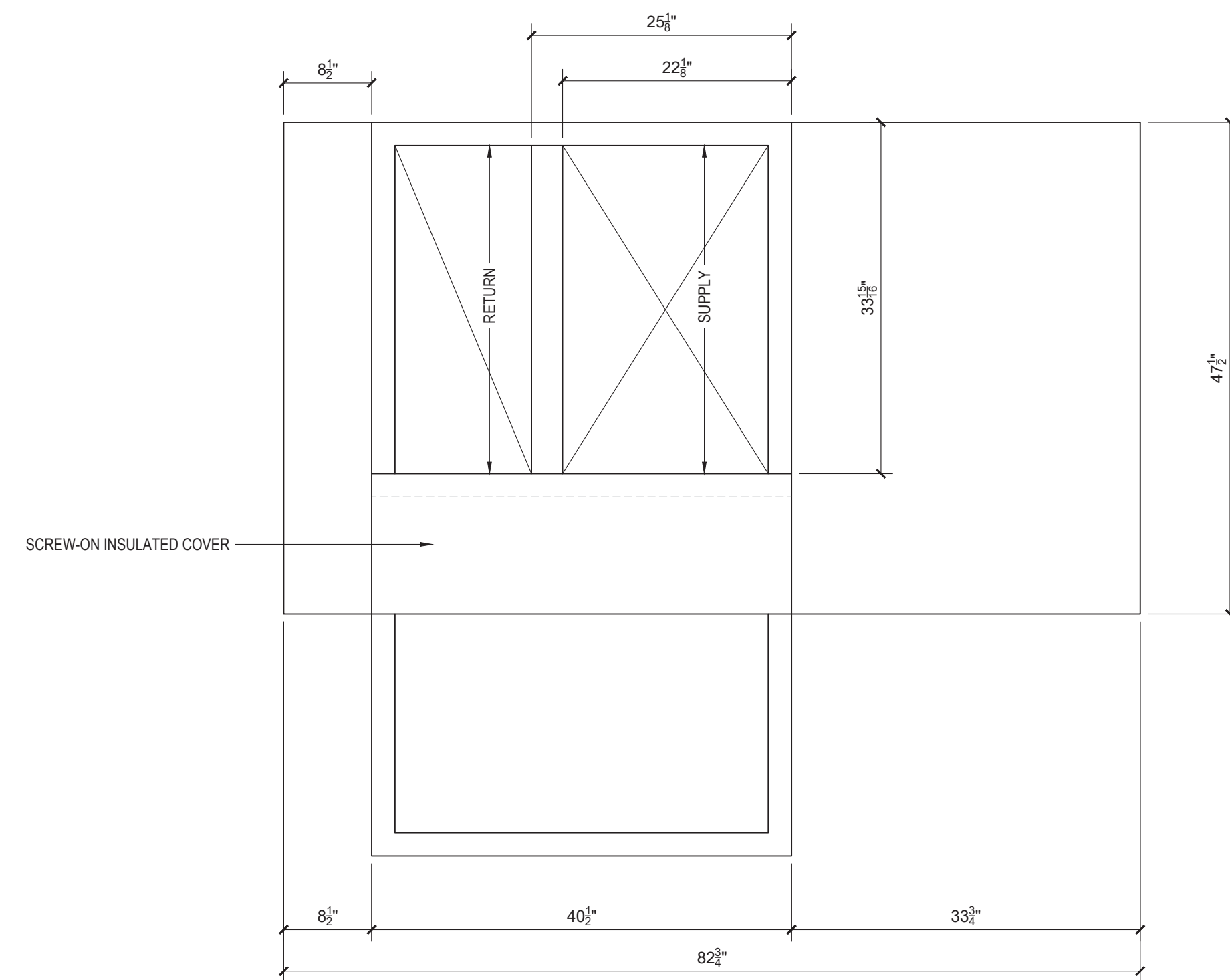
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Drawn By
SJH

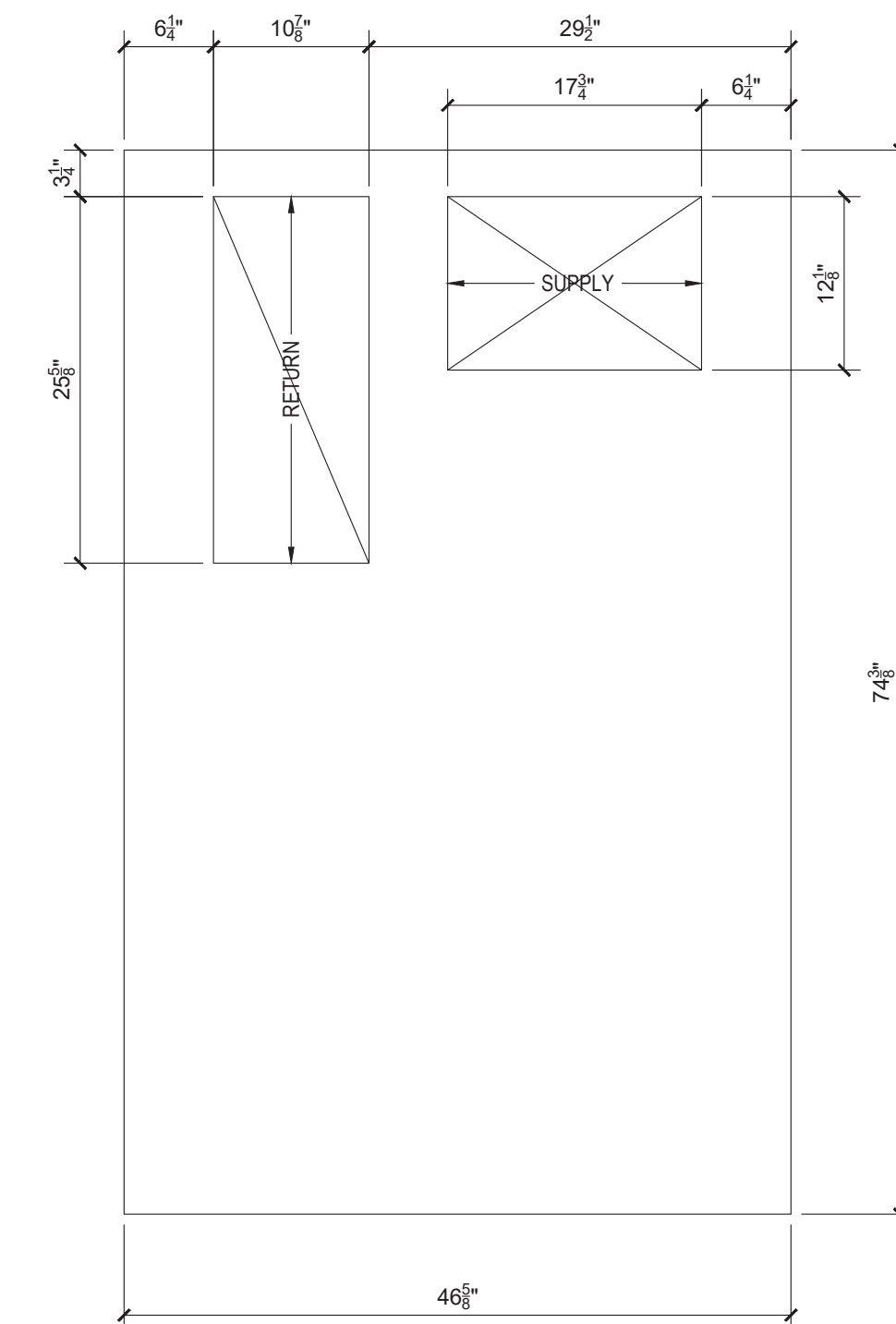
Checked By
EW

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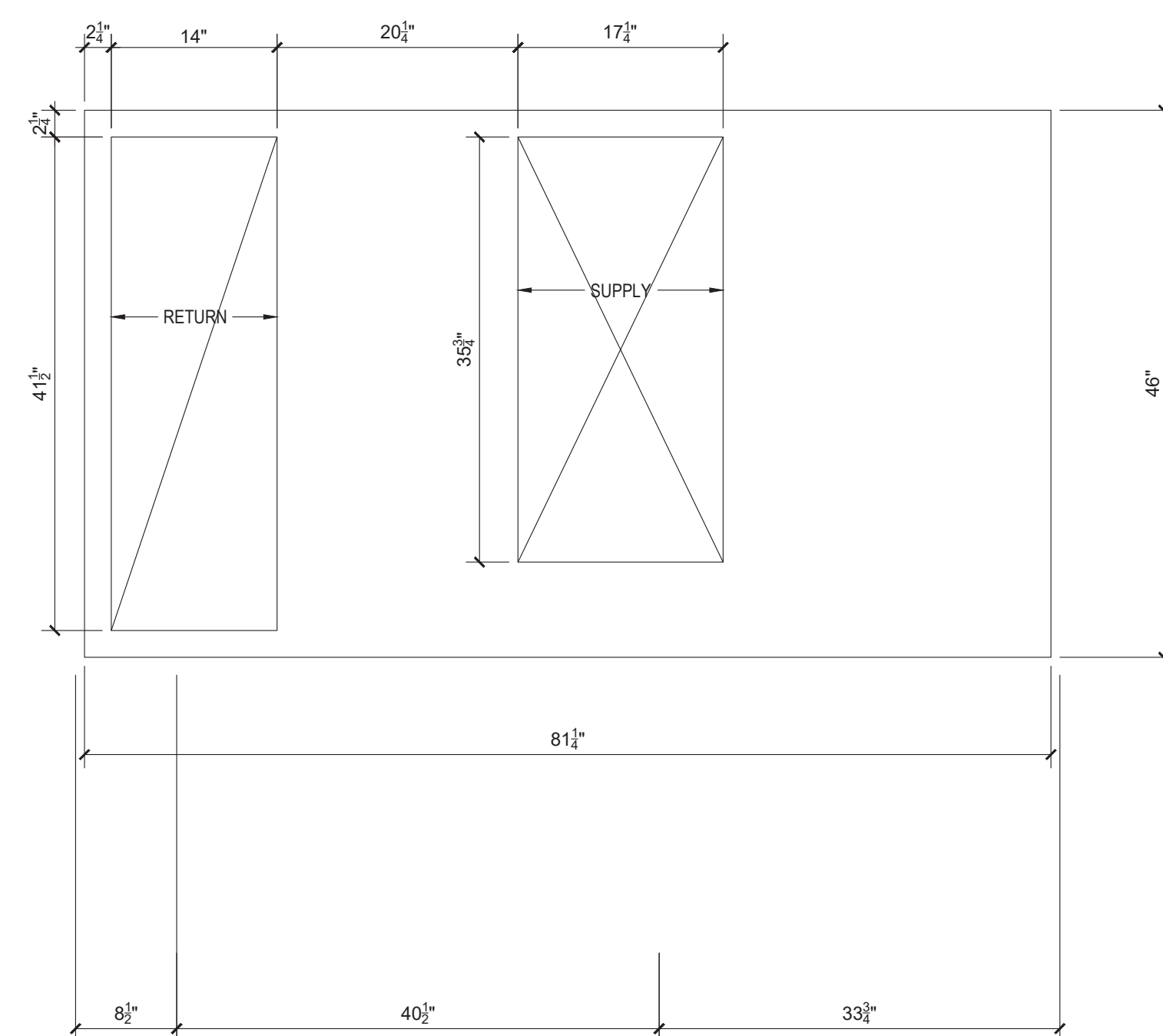
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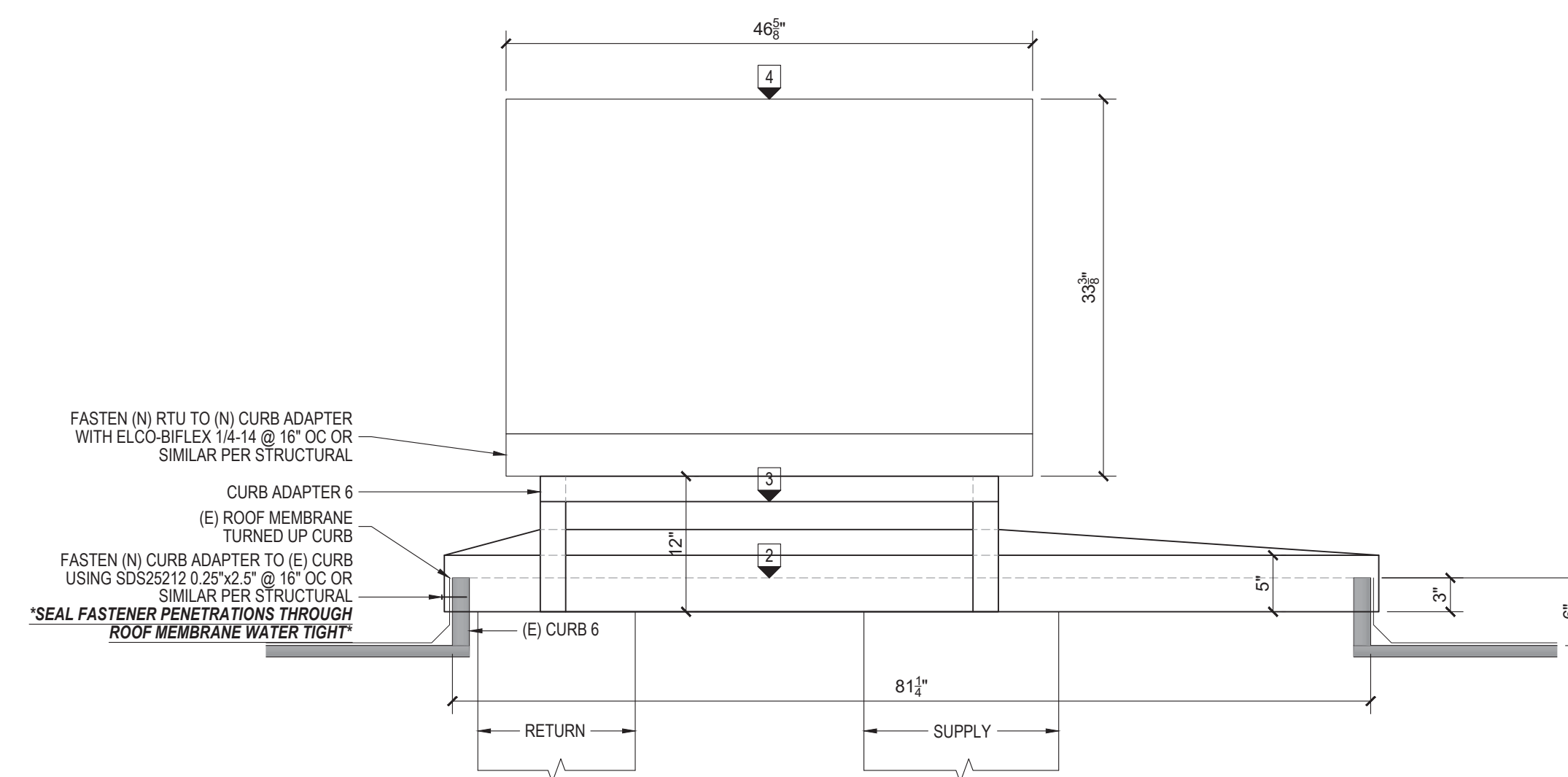
3 [RTU 6] (N) CURB ADAPTER [PLAN VIEW]
SCALE: 1"=1'-0"



4 [RTU 6] (N) RTU [PLAN VIEW]
SCALE: 1"=1'-0"



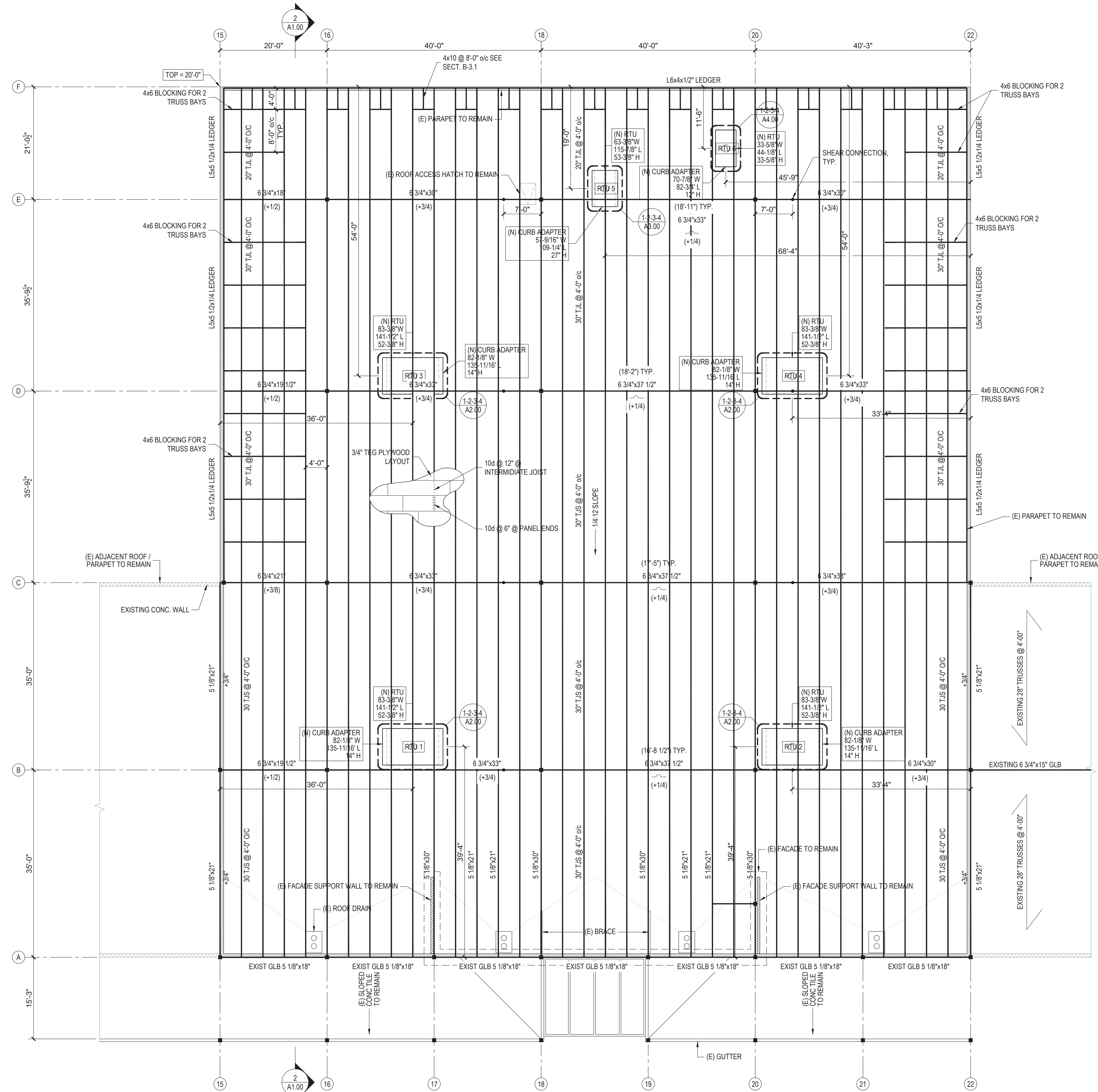
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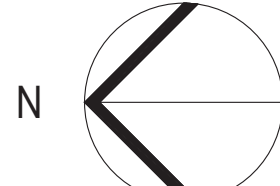
1 [RTU 6] CURB ASSEMBLY SECTION / ELEVATION
SCALE: 1"=1'-0"

NOTES

- ALL DIMENSIONS MUST BE VERIFIED IN FIELD. LOCATIONS OF UNITS ARE APPROXIMATED. DIMENSIONS OF THE EXISTING ROOF STRUCTURAL ELEMENTS ARE BASED UPON THE ORIGINAL DRAWINGS. ACTUAL CONDITIONS MAY VARY.



3 STRUCTURAL ROOF PLAN
SCALE: 3/32"=1'-0"



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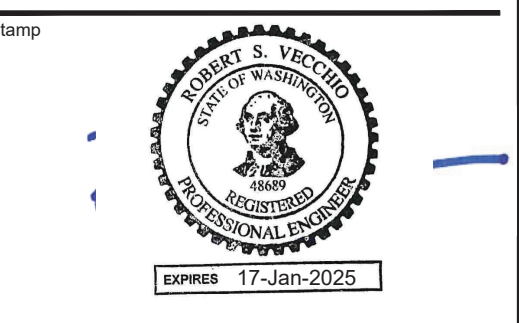
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STRUCTURAL ROOF PLAN

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S1.00

GENERAL

ACT	ACOUSTICAL CEILING TILE
AD	ACCESS DOOR
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AMP	AMPERE
ARCH	ARCHITECT; ARCHITECTURAL
AUTO	AUTOMATIC
AUX	AUXILIARY
BHP	BRAKE HORSE POWER
BOD	BASIS OF DESIGN
BS	BIRD SCREEN
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNITS PER HOUR
CD	CONDENSATE DRAIN
CHW	CHILLED WATER
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
COND	CONDENSATE
C/L	CENTERLINE
CLG	CEILING
CO	CARBON MONOXIDE
CO2	CARBON DIOXIDE
DCW	DOMESTIC COLD WATER
DET	DETAIL
DHW	DOMESTIC HOT WATER
DHWC	DOMESTIC HOT WATER RECIRCULATION
DIA	DIAMETER
DISCH	DISCHARGE
DN	DOWN
DWG	DRAWING
DWW	DRAIN, WASTE, VENT
(E)	EXISTING
EA	EACH
EC	ELECTRICAL CONTRACTOR; END CAP
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATION
EFF	EFFICIENCY
EWT	ENTERING WATER TEMPERATURE
EXIST	EXISTING
EXH	EXHAUST
F	FAHRENHEIT
(F)	FUTURE
FLEX	FLEXIBLE
FLG	FLOOR
FLR	FLOOR
FOIC	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
FP	FIRE PROTECTION
FS	FEET PER MINUTE
FS	FIRE SERVICE (MAIN)
FT	FOOT; FEET
FURN	FURNISH
G	NATURAL GAS (LOW PRESSURE)
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GWB	GYPSUM WALL BOARD
HL	HIGH LOOP
HP	HORSE POWER
HPDCW	HIGH PRESSURE DOMESTIC COLD WATER
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
ID	INSIDE DIAMETER/DIMENSION
IE	INVERT ELEVATION
IRR	IRRIGATION
IW	INDIRECT WASTE
LAT	LEAVING AIR TEMPERATURE
LF	LINEAR FOOT
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	1000 BRITISH THERMAL UNITS PER HOUR
MED	MEDIUM
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
M/N	MODEL NUMBER
MPG	NATURAL GAS (MEDIUM PRESSURE)
MTD	MOUNTED
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN; NUMBER
NOM	NOMINAL
NPCW	NON POTABLE COLD WATER
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PLBG	PLUMBING
POC	POINT OF CONNECTION
PRELIM	PRELIMINARY
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
QTY	QUANTITY
RAT	RETURN AIR TEMPERATUR
RET	RETURN
REQD	REQUIRED
RPM	REVOLUTIONS PER MINUTE
RWT	RETURN WATER TEMPERATURE
SAT	SUPPLY AIR TEMPERATURE
SD	STORM DRAIN
SF	SQUARE FOOT
SPEC	SPECIFICATION
SQ	SQUARE
SUPP	SUPPLY
SWT	SUPPLY WATER TEMPERATURE
TBD	TO BE DETERMINED
TI	TENANT IMPROVEMENTS
TOC	TOP OF CONCRETE
TOP	TOP OF PIPE
TOS	TOP OF STEEL
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
VFD	VARIABLE FREQUENCY DRIVE
W/	WITH
WC	WATER COLUMN
WG	WATER GAUGE
W/O	WITHOUT

HVAC

AC	AIR CONDITIONING
AHU	AIR HANDLING UNIT
BDD	BACKDRAFT DAMPER
BOD	BOTTOM OF DUCT
CC	COOLING COIL
CFM	CUBIC FEET PER MINUTE
CU	CONDENSING UNIT
CV	CONSTANT VOLUME
DB	DRY BULB
DIFF	DIFFUSER
DMPR	DAMPER
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE
FC	FLEXIBLE CONNECTION
FW1	1 HR. FIRE WRAP
FW2	2 HR. FIRE WRAP
GRD	GRILLE, REGISTER, DIFFUSER
HC	HEATING COIL
HRC	HEAT RECOVERY COIL
HM	MIXED AIR TEMPERATURE
MC	MECHANICAL CONTRACTOR
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MOD	MOTOR OPERATED DAMPER; MODULATI
MUA	MAKE UP AIR
OA	OUTSIDE AIR
OPB	OPPOSED BLADE DAMPER
RA	RETURN AIR
RCP	REFLECTED CEILING PLAN
SA	SUPPLY AIR
SD	SMOKE DAMPER
SF	SUPPLY FAN
SL	SOUND LINED
SLSM	SOUND LINED SHEET METAL
SM	SHEET METAL
SP	STATIC PRESSURE
STD	STANDARD
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
W	WASTE
WB	WET BULB

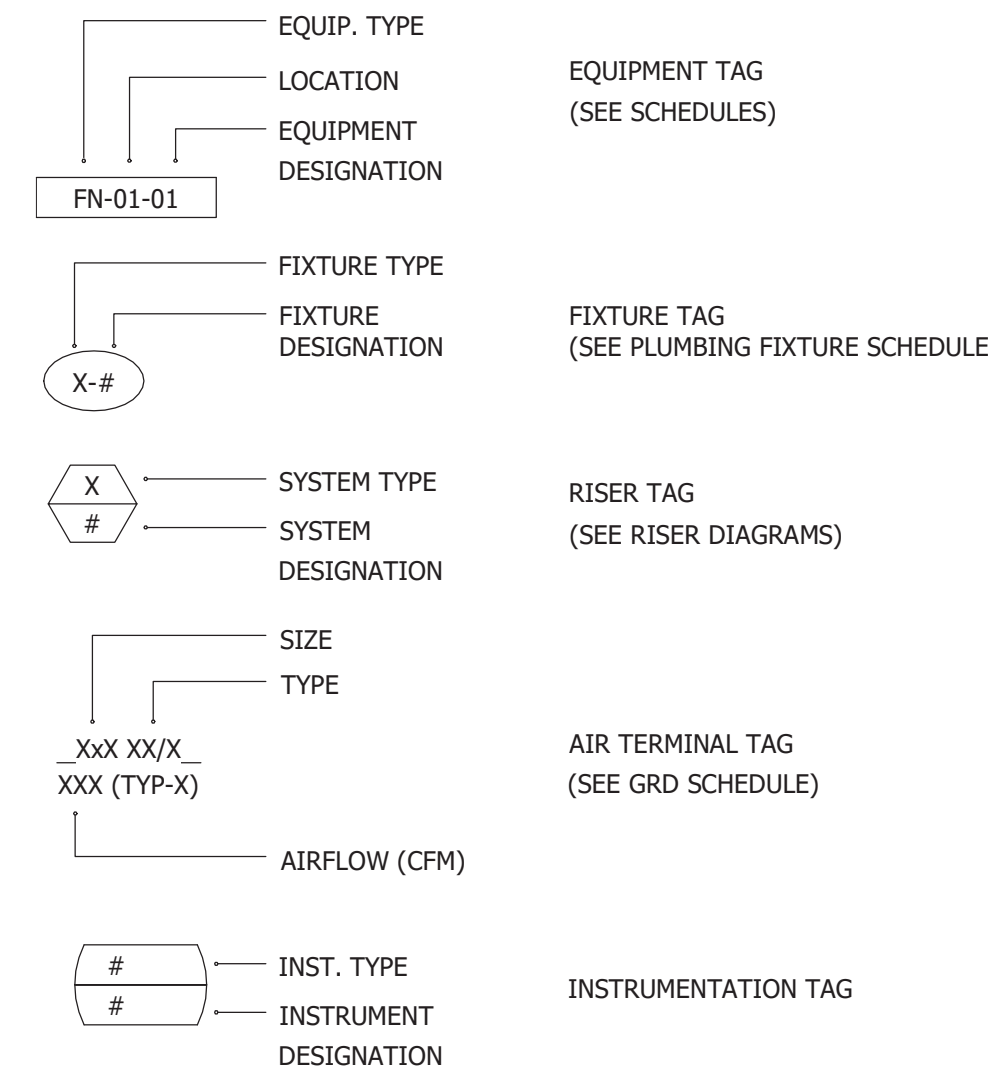
PIPING

AAV	AUTOMATIC AIR VENT
AGA	AMERICAN GAS ASSOCIATION
AS	AIR SEPARATOR
BP	BACKFLOW PREVENTER
CDWR	CONDENSER WATER RETURN
CDWS	CONDENSER WATER SUPPLY
CT	CONICAL TEE
FHV	FIRE HOSE VALVE
FO	FUEL OIL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
HRR	HEAT RECOVERY RETURN
HRS	HEAT RECOVERY SUPPLY
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
MAV	MANUAL AIR VENT
RLL	REFRIGERANT LIQUID LINE
RSL	REFRIGERANT SUCTION LINE

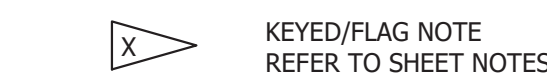
SCHEDULE LEGEND

SCHEDULE LINEWEIGHT LEGEND			
TAG #	TAG-X-X	TAG-X-X	TAG-X-X
PROJECT	EXISTING PROJECT	FUTURE	NEW PROJECT
SAMPLE	EXISTING EQUIPMENT	FUTURE EQUIPMENT	NEW EQUIPMENT

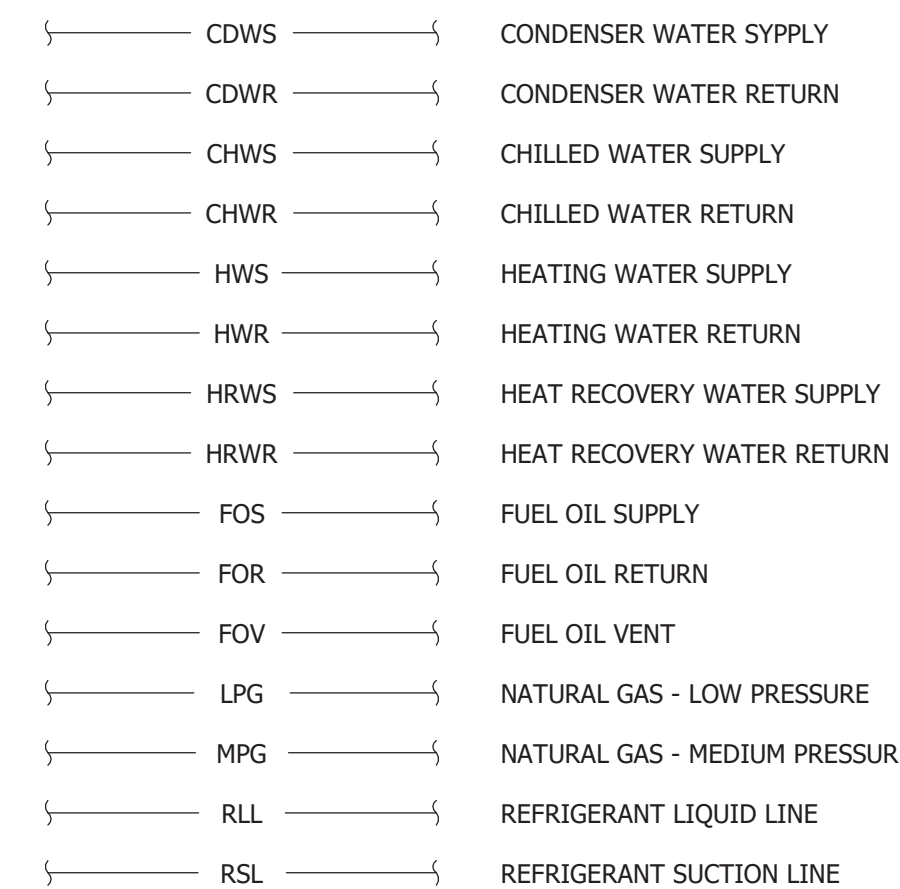
TAGS LEGEND



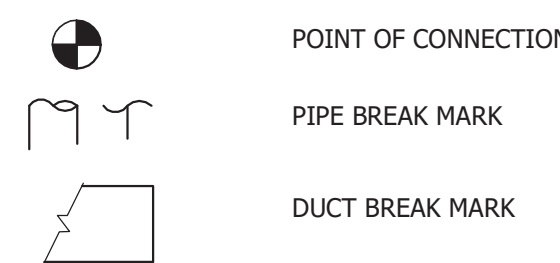
NOTES LEGEND



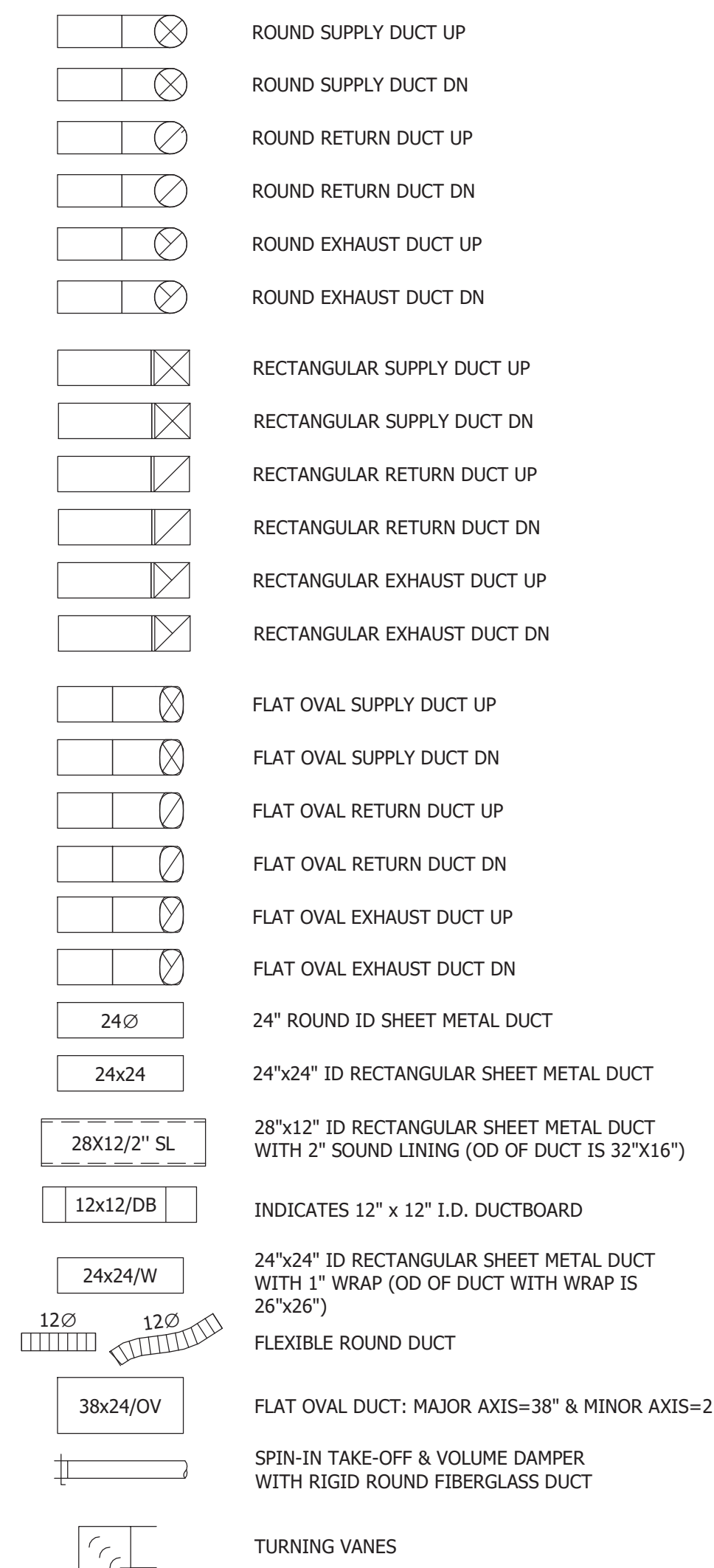
PIPING SYSTEMS



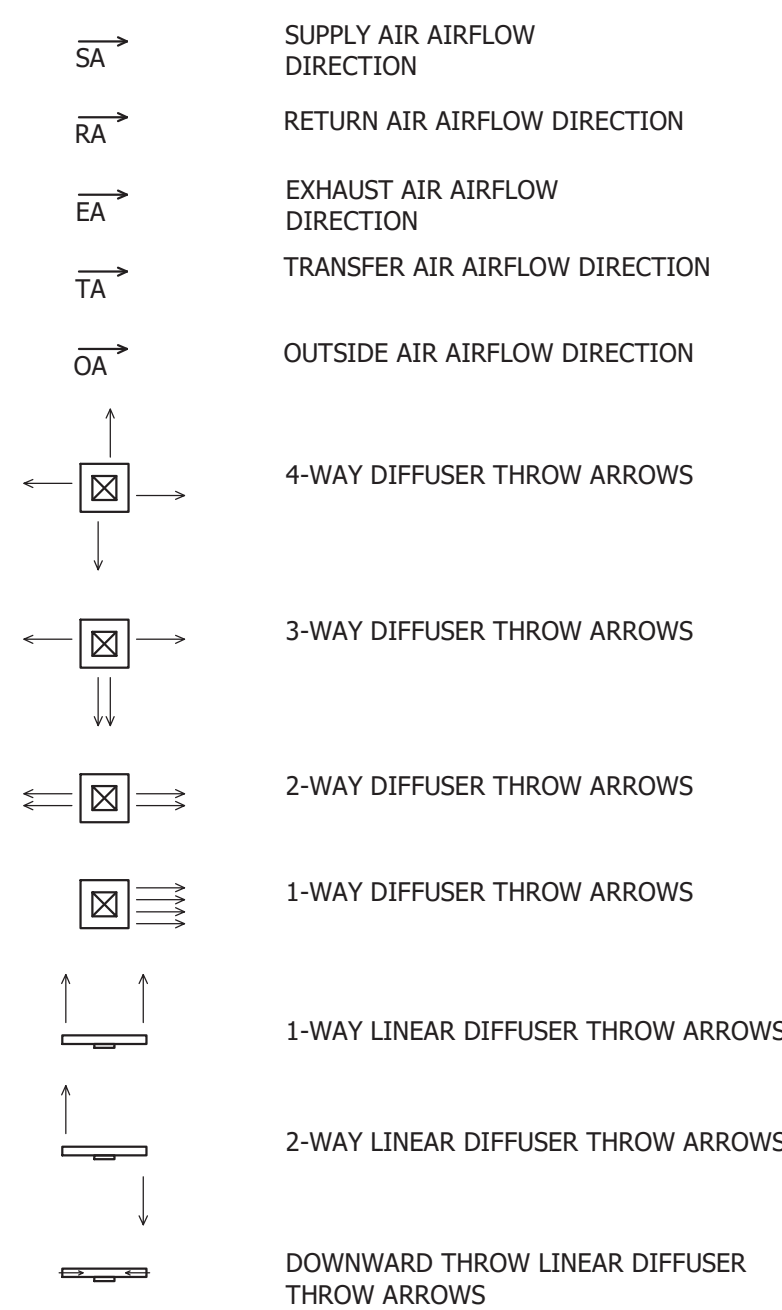
MISCELLANEOUS HVAC SYMBOLS



DUCTWORK SYMBOLS AND FITTINGS

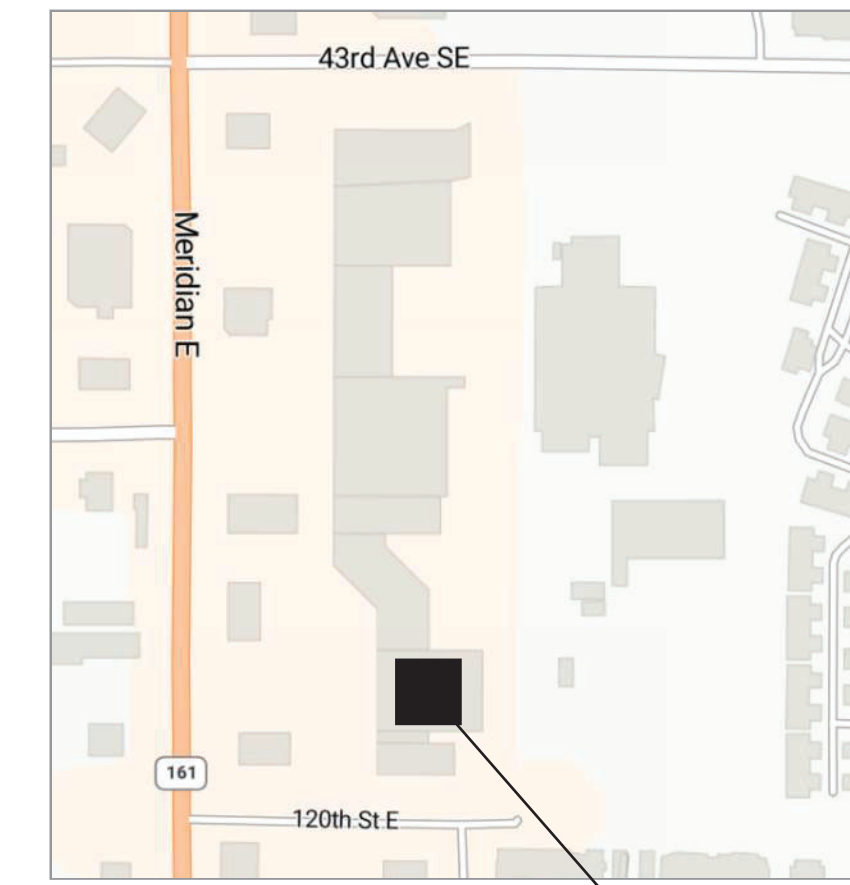


HVAC AND DUCTWORK ACCESSORIES



PROJECT ADDRESS

4621 MERIDIAN, PUYALLUP, WA 98373



VICINITY MAP
NOT TO SCALE

MECHANICAL DRAWING INDEX

SHEET NUMBER	SHEET TITLE	SHEET SCALE
M0.00	MECHANICAL LEGEND AND ABBREVIATIONS	NTS
M1.00	MECHANICAL BASIS OF DESIGN, AND NOTES	NTS
M1.10	MECHANICAL SCHEDULES	NTS
M2.00	MECHANICAL DEMO PLAN	3/32" = 1'-0"
M2.10	MECHANICAL ROOF PLAN	3/32" = 1'-0"
M3.00	MECHANICAL DETAILS	NTS



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PROJECT #2209-01

CBRE - MICHAELS
4621 MERIDIAN
PUYALLUP, WA 98373

Project Title

HVAC RTU REPLACEMENT

PRMH20241300

Project Number

#

Revision Date

No

Description

Date

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Stamp



Drawing Title

MECHANICAL LEGEND AND ABBREVIATIONS

Submission

PERMIT

Date

AUGUST 12, 2024

Scale

AS SHOWN

Drawn By

LJC

Checked By

AWB

Drawing Number

M0.00

HVAC DUCT MATERIALS SPECIFICATION MATRIX

DUCT SYSTEM OR SECTION	SMACNA PRESSURE CLASS	MATERIALS	FITTINGS	INSULATION	REMARKS
ROOFTOP PACKAGE UNITS					
SUPPLY & RETURN	SMACNA +1" PRESSURE SEAL ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, BRANCH CONNECTIONS OVAL AND SPIRAL LOCK SEAMS DO NOT REQUIRE SEALING	INDOORS: 1" LINED GALVANIZED DUCT OUTDOORS: 2" LINED GALVANIZED DUCT OUTDOORS FLEX: 12' MAX LENGTH, THERMAFLEX S-TL CLASS I AIR DUCT	CENTERLINE RADIUS OF 1.0 DIAMETER OR MITERED 90S WITH VANES, SPIN-IN BRANCHES OK.	2" LINED	WHERE OUTDOORS, COAT ALL SIDES WITH RCD CORP. #15 WEATHER BARRIER COATING

REMARKS
 1: ALL DUCT WORK TO BE CONSTRUCTED TO SMACNA SEAL CLASS A STANDARDS: ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS AND DUCT WALL PENETRATIONS TO BE SEALED.
 2: ALL DIMENSIONS SHOWN ON PLANS ARE INSIDE CLEAR DIMENSIONS.

MECHANICAL BASIS OF DESIGN				MICHAEL'S PUYALLUP			
BOD CRITERIA	BOD INPUT	SOURCE	ADDITIONAL SOURCE INFO (DATE, MEETING, E-MAIL, ETC)	BOD CRITERIA	BOD INPUT	SOURCE	ADDITIONAL SOURCE INFO (DATE, MEETING, E-MAIL, ETC)
RUSHING PROJECT CONTACTS							
MECHANICAL EOR	AUSTIN BONNES			PLUMBING LEAD ENGINEER/DESIGNER	STEVEN HUFF		
MECHANICAL LEAD ENGINEER	LINDA COPPA			BUILDING & PLUMBING CODE NOTES			
BUILDING & MECHANICAL CODE NOTES							
2021 WASHINGTON STATE FUEL GAS CODE 2021 UNIFORM PLUMBING CODE							
DEFERRED PERMIT SUBMITTALS							
SEISMIC TIEDOWN CALCULATIONS, BY MC							
HVAC SYSTEM SELECTION OWNER CRITERIA NOTES							
EXISTING BUILDING WITH EXISTING COOLING AND GAS HEAT REPLACEMENT OF EXISTING ROOFTOP HEAT/COOLING UNIT WITH SAME CAPACITY AS PREVIOUS UNITS							
HVAC LOAD DESIGN CRITERIA							
PROJECT LOCATION: PUYALLUP, WASHINGTON							
INDOOR RELATIVE HUMIDITY CONTROL	NOT CONTROLLED	PROJECT CRITERIA		SEE PIPING MATERIALS MATRIX ON DRAWINGS FOR FULL DETAILS SEE PIPING MATERIALS MATRIX ON DRAWINGS FOR FULL DETAILS			
HVAC LOAD SELECTION BASIS		2021 WSEC	SECTION C403.2.1				

PLUMBING BASIS OF DESIGN				MICHAEL'S PUYALLUP			
BOD CRITERIA	BOD INPUT	SOURCE	ADDITIONAL SOURCE INFO (DATE, MEETING, E-MAIL, ETC)	BOD CRITERIA	BOD INPUT	SOURCE	ADDITIONAL SOURCE INFO (DATE, MEETING, E-MAIL, ETC)
RUSHING PROJECT CONTACTS							
MECHANICAL EOR	AUSTIN BONNES			PLUMBING LEAD ENGINEER/DESIGNER	STEVEN HUFF		
MECHANICAL LEAD ENGINEER	LINDA COPPA			BUILDING & PLUMBING CODE NOTES			
2021 WASHINGTON STATE FUEL GAS CODE 2021 UNIFORM PLUMBING CODE							
DEFERRED PERMIT SUBMITTALS							
SEISMIC TIEDOWN CALCULATIONS, BY MC							
HVAC SYSTEM SELECTION OWNER CRITERIA NOTES							
EXISTING BUILDING WITH EXISTING COOLING AND GAS HEAT REPLACEMENT OF EXISTING ROOFTOP HEAT/COOLING UNIT WITH SAME CAPACITY AS PREVIOUS UNITS							
HVAC LOAD DESIGN CRITERIA							
PROJECT LOCATION: PUYALLUP, WASHINGTON							
INDOOR RELATIVE HUMIDITY CONTROL	NOT CONTROLLED	PROJECT CRITERIA		SEE PIPING MATERIALS MATRIX ON DRAWINGS FOR FULL DETAILS SEE PIPING MATERIALS MATRIX ON DRAWINGS FOR FULL DETAILS			
HVAC LOAD SELECTION BASIS		2021 WSEC	SECTION C403.2.1				

PLUMBING MATERIALS SPECIFICATION MATRIX

SERVICE ID	SERVICE DESCRIPTION	DESIGN PRESSURE (PSIG)	SIZE	MATERIAL	JOINTS	LOCATION FOR USE	INSULATION (R-VALUES PER 2021 WSEC)	REMARKS
CONDENSATE								
GAS-FIRED EQUIP COND	CONDENSATE - COMBUSTION EQUIPMENT	5	ALL	CPVC PER ASTM D1784 & FITTINGS PER ASTM D 2846	SOLVENT WELD	CAN BE INSTALLED IN PLENUMS IF RATED FOR DRY USE IN PLENUMS	NOT REQUIRED	
NATURAL GAS PIPING								
NG	LOW PRESSURE NATURAL GAS (<14" W.C.)	14" WC	1" AND SMALLER	CORRUGATED STAINLESS STEEL TUBING (CSST) ASTM A240 STEEL W/ POLYETHYLENE JACKET	THREADED	UNIT CONNECTION	NONE	
		14" WC	4" AND SMALLER	CARBON STEEL PIPE SCH 40 A53B ERW	THREADED OR BUTTWELD	ALL		OUTDOORS - PAINTED OR GALVANIZED

REMARKS
 1) SOLVENT CEMENT JOINTS TO BE IN ACCORDANCE WITH SECTION 705.5.2 OF THE 2021 UNIFORM PLUMBING CODE AND ASTM F656 FOR PRIMER AND ASTM D2564 FOR SOLVENT CEMENTS.
 2) CARBON STEEL PIPING INSTALLED OUTDOORS SHALL BE PAINTED WITH A PROTECTIVE PAINT OR COATING TO PROTECT FROM WEATHER INDUCED CORROSION. ANY PIPE OR FITTINGS WITH OBSERVABLE CORROSION SHALL BE CLEANED AND PREPARED OR REPLACED PRIOR TO PAINTING.
 3) COMBUSTION CONDENSATE SHALL BE PROVIDED WITH A CONDENSATE NEUTRALIZER (JIM BOILER WORKS JM SERIES OR EQUAL). CONDENSATE SHALL TERMINATE IN A LOCATION ACCEPTABLE TO LOCAL AHJ.

ISOLATION & TIEDOWN SCHEDULE - EQUIPMENT, PIPING, & DUCTWORK

TAG#	EQUIPMENT TYPE	GENERIC EQUIPMENT TYPE DESCRIPTION	MOUNTING LOCATION (REMARK 1)	EXTERNAL ISOLATION TYPE (REMARK 2 & 5)	ISOLATOR TYPE (REMARK 5)	FLEX CONNECTION	PIPING FLEX CONNECTION BY	SUPPORT STANCHION (REMARK 6)
ROOFTOP AIR HANDLING UNIT								
RTU-1 - RTU-6	PACKAGED ROOFTOP UNIT	ROOFTOP AIR HANDLING UNIT	ROOF	CURB WITH ADAPTOR	REMARK 5	NEOPRENE DUCT FLEXIBLE CONNECTOR: DURO-DYNE TYPE MFN OR MF6N	MC	NA
PIPING								
PIPING	ALL	ALL SIZES	ROOF	NEOPRENE ISOLATION TO ISOLATE FROM SUPPORT	NA	NA	NA	REMARK 6
PIPING	PIPING	THROUGH PENETRATIONS		RESILENT GAP SEALANT	NA	NA	NA	NA

REMARKS (APPLY TO ALL EQUIPMENT UNO):
 1: SEE MECHANICAL PLANVIEW DRAWINGS FOR EQUIPMENT LOCATIONS.
 2: GC TO PROVIDE WASHINGTON STATE STAMPED SEISMIC TIEDOWN CALCULATIONS PER 2021 INTERNATIONAL BUILDING AND MECHANICAL CODES WITH SEATTLE AMENDMENTS AS A DEFERRED SUBMITTAL. REFER TO THE STRUCTURAL DRAWINGS FOR SEISMIC DESIGN CATEGORY, SITE CLASS, AND OCCUPANCY CATEGORY. ALL EQUIPMENT TO BE ATTACHED PERECTED PER ASCE 7 AS REFERENCED BY IBC.
 3: IMPORTANCE (Ip) FACTOR FOR SEISMIC CALCULATIONS. Ip = 1.0.
 4: GC TO VERIFY WITH FIELD DETAILER AND/OR INSTALLER INSTALLATION DETAIL (TO VERIFY UNIT ATTACHMENT TYPE TO STRUCTURE) PRIOR TO ISOLATION VENDOR PERFORMING SEISMIC TIEDOWN CALCULATIONS AND PRIOR TO SEISMIC TIEDOWN PACKAGE BEING SUBMITTED FOR TEAM REVIEW. ALL TIEDOWN LOCATIONS AND DETAILS TO BE SUBMITTED TO AND APPROVED BY THE PROJECT STRUCTURAL ENGINEER. MC SHALL CONTRACT WITH THE STRUCTURAL ENGINEER FOR THIS SUPPORT WORK.
 5: ROOFTOP UNITS TO SIT ON EXISTING ROOF CURB WITH ADAPTOR INSTALLED BY MC. MC SHALL STRUCTURALLY AND SEISMICALLY ATTACH ADAPTOR TO EXISTING CURB TO LEVELING CURB AND UNIT TO SPRING CURB.
 6: PIPING TO SIT ON STEEL STANCHIONS PROVIDED AND INSTALLED BY MC. MC TO COORDINATE STANCHION LOCATIONS IN FIELD SHOP DRAWINGS.
 7: STAMPED SEISMIC EXPANSION AND ANCHORING PACKAGE TO BE PROVIDED BY MC
 8: MAKE ALL ISOLATOR MOUNT STRUCTURAL CONNECTIONS USING NEOPRENE ISOLATION WASHER GROMMETS.
 9: GAS PIPING SHALL UTILIZE A FLEXIBLE CONNECTOR.



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 PROJECT #6209-01

CBRE - MICHAELS
 4621 MERIDIAN
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Project Title

HVAC RTU REPLACEMENT

PRMH20241300

Project Number

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Revision Date

No Description Date

-

Stamp



Drawing Title

MECHANICAL BASIS OF DESIGN AND NOTES

Submission

PERMIT

Date

AUGUST 12, 2024

Scale

AS SHOWN

Drawn By

LJC

Checked By

AWB

Drawing Number

M1.00

ROOFTOP PACKAGE UNIT SCHEDULE

TAG #	RTU 1-4	RTU-5	RTU-6
PROVIDED BY	M.C.	M.C.	M.C.
BASIS OF DESIGN			
MANUFACTURER	CARRIER	CARRIER	CARRIER
MODEL	48LCE017A3M5-4R4C0	48LCE008A3M5-4R4C0	48GCEJ06A3M5-3W4Q
LOCATION	ROOF	ROOF	ROOF
SERVICE	BUILDING	BUILDING	BUILDING
SUPPLY FAN INFORMATION			
FAN TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
FAN CFM	6000 CFM	3000 CFM	2000 CFM
FAN E.S.P.	.5" W.G.	.5" W.G.	.5" W.G.
MOTOR BRAKE HORSEPOWER	2.34 BHP	0.91 BHP	0.88 BHP
SUPPLY VFD	YES	YES	YES
COOLING INFORMATION			
COOLING TYPE	DX - AIR-COOLED	DX - AIR-COOLED	DX - AIR-COOLED
EVAPORATOR EAT (DB°F/WB°F)	80 / 67°F	80 / 67°F	80 / 67°F
UNIT LAT (DB°F/WB°F)	58.0 / 57.2°F	58.3 / 57.2°F	58.3 / 57.3°F
COOLING MBH TOTAL (GROSS)	186 MBH	93 MBH	62 MBH
AMBIENT CONDENSER TEMPERATURE °F (COOLING)	95°F	95°F	95°F
COOLING LOCKOUT TEMPERATURE	55°F	55°F	55°F
CODE MIN SEER/EER	10.8 EER	11.0 EER	11.0 EER
ACTUAL SEER/EER	12.8 EER	12.8 EER	17.4 SEER
HEATING INFORMATION - PRIMARY			
HEATING TYPE	GAS	GAS	GAS
HEATING COIL EAT/LAT	70°F / 109°F	70°F / 115°F	70°F / 110°F
HEATING MBH TOTAL	251 MBH	146 MBH	88 MBH
HEATING LOCKOUT TEMPERATURE (AMB / COIL EAT)	47°F / 55°F	47°F / 55°F	47°F / 55°F
ELECTRICAL INFORMATION			
EMERGENCY POWER (NEC 700)	NA	NA	NA
LEGALLY REQUIRED STANDBY POWER (NEC 701)	NA	NA	NA
STANDBY POWER (NEC 702)	NA	NA	NA
DISCONNECT	BY E.C.	BY E.C.	BY E.C.
SCCR	SEE ELECTRICAL, REMARK 6	SEE ELECTRICAL, REMARK 6	SEE ELECTRICAL, REMARK 6
VOLTAGE/PHASE	208/3	208/3	208/3
UNIT MCA	86.9	47	30
UNIT FLA	92	50	29
UNIT MOCP	100	60	45
RETURN SMOKE DETECTOR (REMARK 1)	NO (REMARK 1)	NO (REMARK 1)	NO (REMARK 1)
UNIT MISC INFORMATION			
LISTED IN AHRI CERTIFICATION PROGRAM	YES	YES	YES
FACTORY CURB	YES	YES	YES
ADAPTOR CURB HT	14"	27"	12"
UNIT HEIGHT	59"	59"	41"
OVERALL HEIGHT (INCLUDING CURB ADAPTOR)	73"	86"	53"
OVERALL WIDTH	86"	63"	47"
OVERALL LENGTH	142"	116"	74"
UNIT WEIGHT	2622 LBS	1852 LBS	686 LBS
CURB ADAPTOR WEIGHT	392 LBS	309 LBS	144 LBS
OPERATING WEIGHT WITH CURB ADAPTOR	3014 LBS	2161 LBS	830 LBS
TYPE OF REFRIGERANT	R-410A	R-410A	R-410A
LOW AMBIENT OPERATION	NO	NO	NO
ECONOMIZER WITH BAROMETRIC RELIEF	YES	YES	YES
COMPRESSOR QUANTITY	1	1	1
CONTROLLED BY (REMARK 4)	STANDALONE PROG CONTROLLER	STANDALONE PROG CONTROLLER	STANDALONE PROG CONTROLLER
CONDENSATE OVERFLOW SHUTDOWN SWITCH IN PRIMARY DRAIN PAN	YES, BY CC	YES, BY CC	YES, BY CC
DISCHARGE (HORIZONTAL / DOWNFLOW)	DOWNFLOW	DOWNFLOW	DOWNFLOW
REMARKS:	1.2.3.4.5.6.7	1.2.3.4.5.6.7	1.2.3.4.5.6.7

- WHERE INDICATED IS BY FIRE ALARM CONTRACTOR REFERENCE INDICATED AS TO WHERE SMOKE DETECTORS MAY BE REQUIRED IS PER IMC SECTION 606. DESIGN OF SMOKE DETECTION SYSTEM IS BY FIRE ALARM CONTRACTOR. ALL SMOKE DETECTORS ARE PROVIDED BY FIRE ALARM CONTRACTOR. INSTALLATION OF DUCT DETECTORS IS BY FIRE ALARM CONTRACTOR UNDER THE SUPERVISION OF M.C. ALL WIRING AND FIRE LIFE SAFETY INTERLOCKS ARE BY FIRE ALARM CONTRACTOR
- PROVIDE MANUFACTURER'S TOUCHSCREEN INTERFACE CONTROLLER OR ALTERNATE CAPABLE OF EXECUTING CONTROL FUNCTIONS.
- PROVIDE WITH UNIT CONTROLLER WITH INPUT CAPABILITY FROM EXISTING THERMOSTATS.
- PROVIDE UNIT WITH SCCR TO MEET FULL CIRCUIT RATING REQUIREMENT.
- UNIT OR UNIT COMPONENTS TO HAVE A MINIMUM AIC OF 5,000.
- THE WASHINGTON STATE DEPARTMENT OF ENERGY AND THE ENVIRONMENTAL PROTECTION AGENCY REQUIRE EQUIPMENT TO UTILIZE REFRIGERANTS WITH < 700 GWP BASED ON EQUIPMENT TYPE AND INSTALLATION/REFRIGERATION CHARGE DATE. REFRIGERANT TYPE SELECTED WILL COMPLY WITH DOE AND EPA REQUIREMENTS.
- PROVIDE WITH INTERNAL VFD.

RTU ROOF CURB	RTU-1-CURB - RTU-4-CURB	RTU-5-CURB	RTU-6-CURB
TAG #			
MANUFACTURER	CDI CURBS	CDI CURBS	CDI CURBS
MODEL NUMBER	48LCE017	48LC08	48GCEJ06
RTU - BASIS OF DESIGN			
RTU MANUFACTURER	CARRIER	CARRIER	CARRIER
RTU MODEL	48LCE017A3M5-4R4C0	48LCE008A3M5-4R4C0	48GCEJ06A3M5-3W4Q
DESIGN PARAMETERS			
FAN BASE OD (LENGTH & WIDTH DIMENSION IN INCHES)	SEE RTU SCHEDULE	SEE RTU SCHEDULE	SEE RTU SCHEDULE
OUTSIDE OF CURB (LENGTH & WIDTH DIMENSION IN INCHES)	FIELD VERIFY	FIELD VERIFY	FIELD VERIFY
ROOF OPENING (LENGTH & WIDTH DIMENSION IN INCHES)	FIELD VERIFY	FIELD VERIFY	FIELD VERIFY
DUCT OD MAX SIZE (LENGTH & WIDTH DIMENSION IN INCHES)	FIELD VERIFY	FIELD VERIFY	FIELD VERIFY
ACTUAL DUCT SIZE (LENGTH & WIDTH DIMENSION IN INCHES)	FIELD VERIFY	FIELD VERIFY	FIELD VERIFY
FAN CFM	6000 CFM	3000 CFM	2000 CFM
CURB WEIGHT	400 LBS	310 LBS	145 LBS
REMARKS:			
1. MATERIAL: 16 GA GALVANIZED STEEL WITH INSULATED PANELS PER WSEC.			



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Revision Date

No

Description

Date

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

Stamp



Drawing Title

MECHANICAL SCHEDULES

Submission

PERMIT

Date

AUGUST 12, 2024

Scale

AS SHOWN

Drawn By

LJC

Checked By

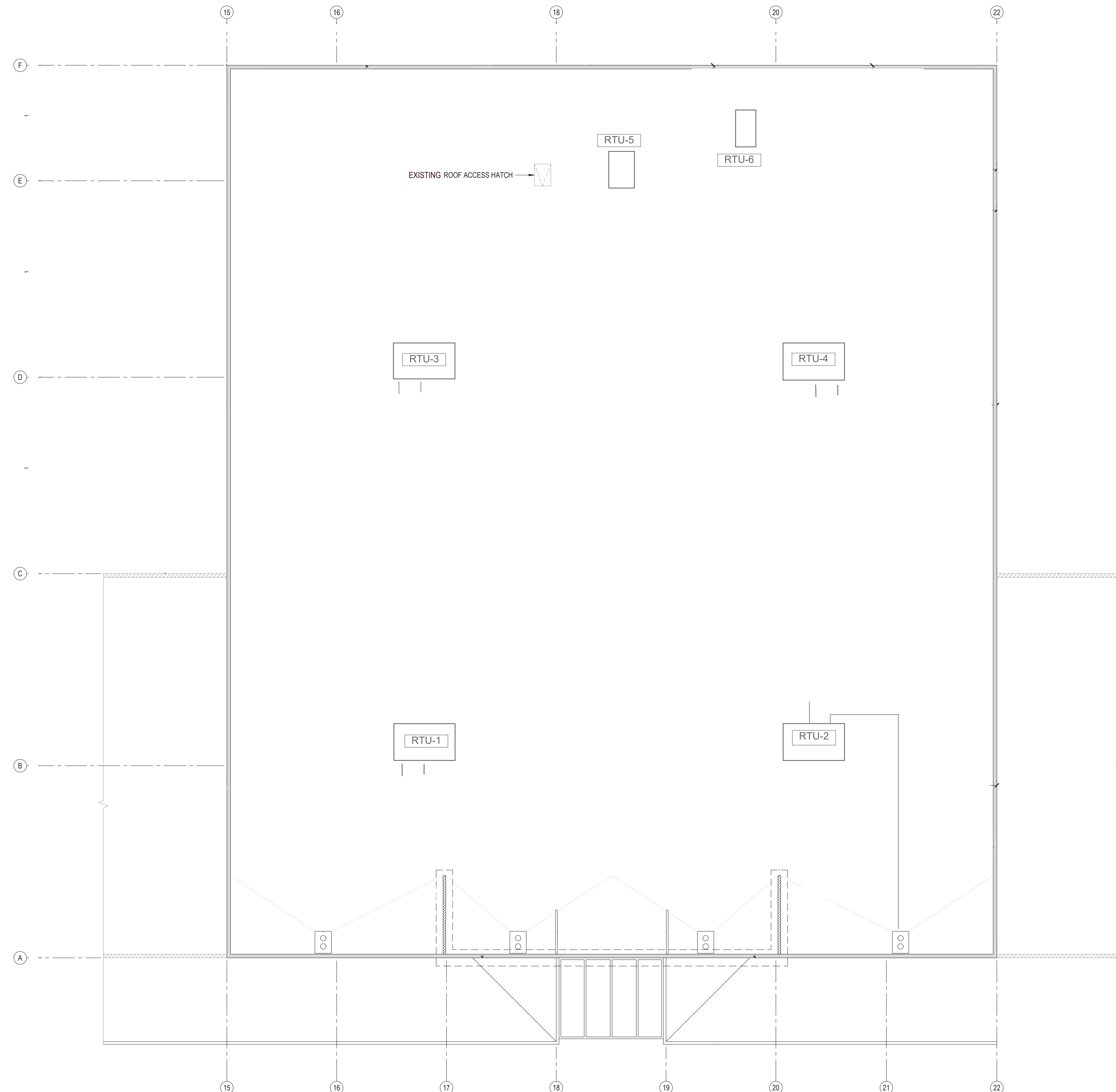
AWB

Drawing Number

M1.10

GENERAL SHEET NOTES

- A. DEMOLISH EXISTING AIR HANDLERS ON ROOF. EXISTING CURB TO BE RE-USED.
- B. TEMPORARILY CAP GAS CONNECTIONS FOR CONNECTION TO NEW UNITS ON FLOOR BELOW.
- C. DEMOLISH EXISTING ROOFTOP GAS PIPE AND PIPE THROUGH ROOF.
- D. DEMOLISH EXISTING CONDENSATE PIPE CONNECTION.



1 MECHANICAL DEMO PLAN
SCALE: 3/32"=1'-0"



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1725 WESTLAKE AVE. N.
SUITE 300
SEATTLE, WA 98109
P: 206.285.7100
PROJECT #2209-01

CBRE - MICHAELS
4621 MERIDIAN
PUYALLUP, WA 98373

Project Title

HVAC RTU REPLACEMENT

PRMH20241300

Project Number

Revision Date

No	Description	Date
-	-	-

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

Stamp



Drawing Title

MECHANICAL DEMO PLAN

Submission

PERMIT

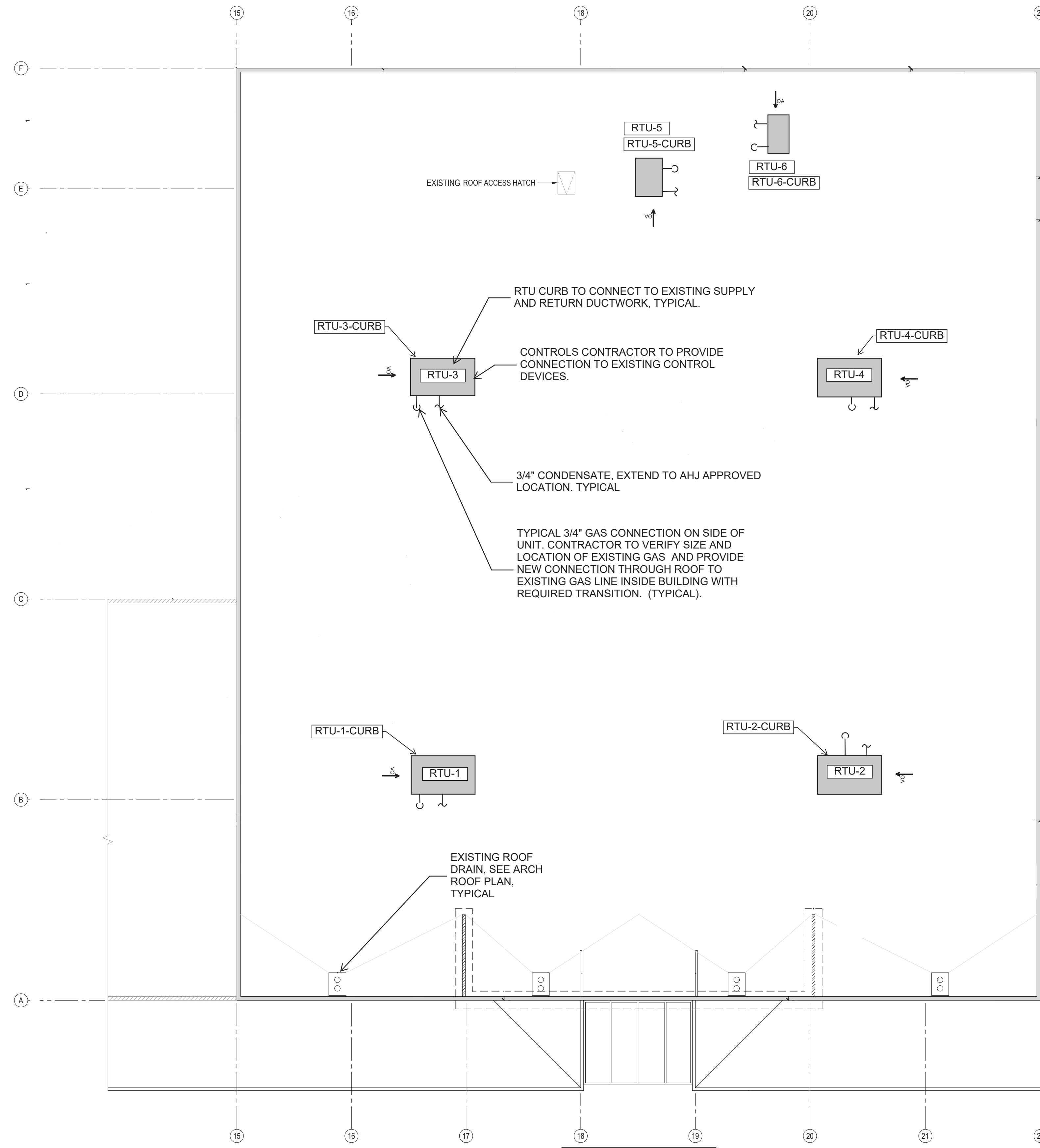
Date: AUGUST 12, 2024

Scale: AS SHOWN

Drawn By: LJC Checked By: AWB

Drawing Number

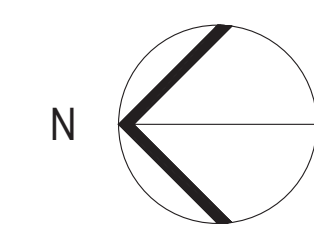
M2.00



GENERAL SHEET NOTES

- A. SEE TIEDOWN SCHEDULE FOR ROOF SUPPORT.
- B. SEE PIPING MATERIALS SCHEDULE ON SCHEDULE SHEW. ALL OUTDOOR GAS PIPING TO BE PAINTED FOR WEATHER PROTECTION.
- C. EXTEND EXISTING GAS TO NEW UNITS. VERIFY SIZE AND LOCATION. PROVIDE SHUT-OFF VALVE AND FLEX CONNECTION FOR EACH CONNECTION. SUPPORT PIPING AND PROVIDE FLEX CONNECTION PER TIE-DOWN SCHEDULE. CONNECT TO EXISTING GAS PIPE INSIDE BUILDING.
- D. MC TO PROVIDE 3/4" CONDENSATE DRAIN WITH MINIMUM 1" TRAP DEPTH TO AHJ APPROVED LOCATION WITH WITH INDIRECT CONNECTION. CONDENSATE SHALL BE SLOPED AT 1/4" PER FOOT. PROVIDE NEUTRALIZER ON CONDENSATE THAT IS TIED TO COMBUSTION CODENSATE.
- E. RTUS TO MEET CURRENT EPA REFRIGERANT REQUIREMENTS FOR GWP.
- F. ALLOW FOR MINIMUM CLEARANCES PER MANUFACTURER'S RECOMMENDATIONS AND ELECTRICAL CODE WORKING REQUIREMENTS.
- G. INSTALL UNITS PER MANUFACTURER'S RECOMMENDATIONS. SEE DETAIL ON DETAIL SHEETS FOR GAS CONNECTION.
- H. PER WSEC C503.4 EXISTING MECHANICAL SYSTEMS ARE NOT REQUIRED TO BE MODIFIED TO COMPLY WITH SECTION C403.3.5 WHERE MECHANICAL COOLING CAPACITY IS NOT ADDED TO A SYSTEM THAT DID NOT HAVE COOLING CAPACITY PRIOR TO THE ALTERATION.
- I. ROOM TEMPERATURE SENSOR CONTROLS INPUT TO BE EXTENDED TO NEW UNITS BY CONTROL CONTRACTOR. DESIGN INTENT IS TO HAVE UNITS FUNCTION PER THE SAME OPERATIONAL MODES AS EXISTING UNITS.

1 MECHANICAL ROOF PLAN
SCALE: 3/32"=1'-0"



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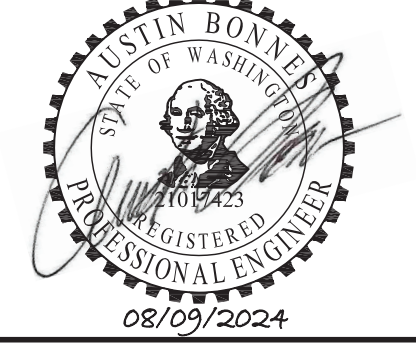
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City of Puyallup
Development & Permitting Services
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Drawing Title

**MECHANICAL
ROOF PLAN**

Submission

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Date: AUGUST 12, 2024

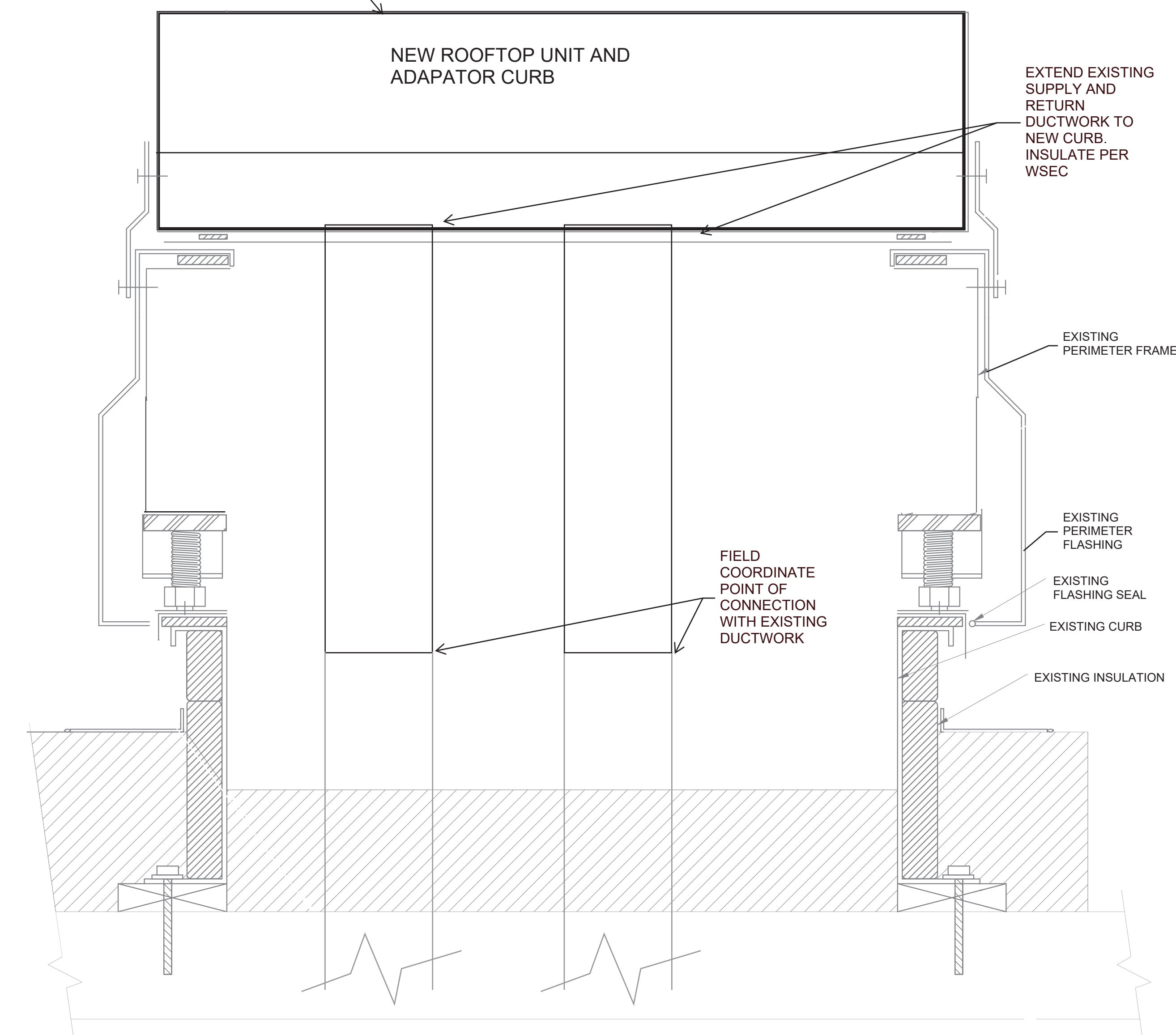
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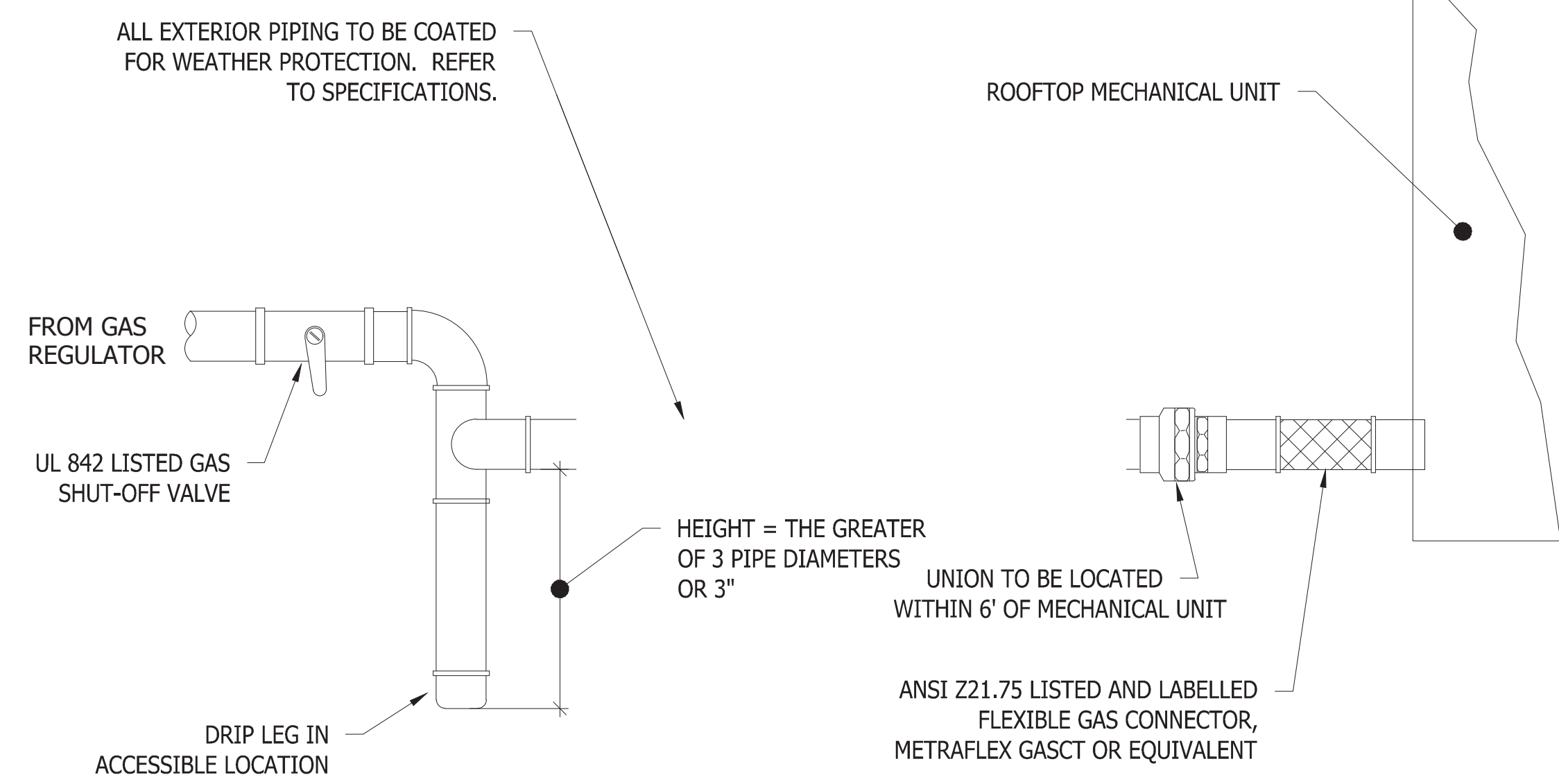
M2.10

DELEGATED SEISMIC-EQUIPMENT CONNECTION FROM UNIT TO ADAPTOR CURB AND FROM ADAPTOR CURB TO STRUCTURE BY GC/SUB



GENERAL NOTES
A. SEE ARCHITECTURAL DRAWINGS FOR WEATHER PROOFING DETAILS AND FLASHING

1 ROOFTOP UNIT ISOLATION CURB
SCALE: NOT TO SCALE



NOTES:
1. REFER TO SECTION 410 FLOW CONTROLS IN THE 2021INTERNATIONAL GAS CODE FOR ADDITIONAL REQUIREMENTS.

2 GAS CONNECTION DETAIL
SCALE: NOT TO SCALE



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**MECHANICAL
DETAILS**

Submission

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Date

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Scale

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LJC

Checked By

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Drawing Number

M3.00