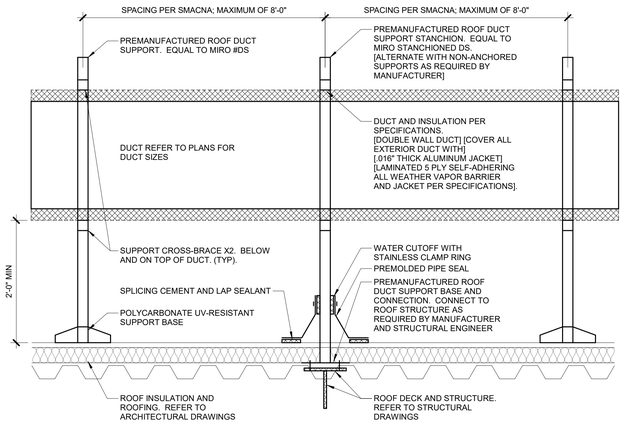
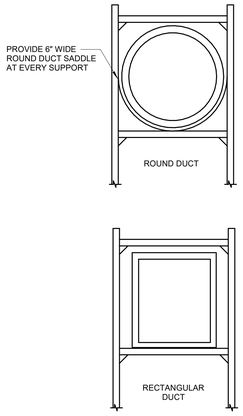
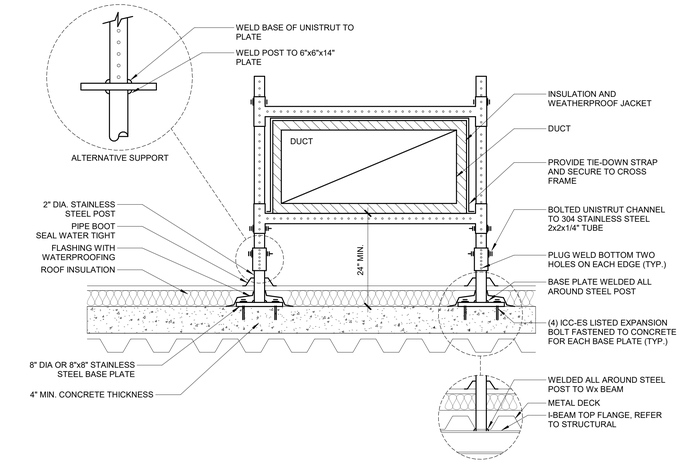
GENERAL INFORMATION:	
1. ADOPTED BUILDING CODE:	IBC-2021
2. BUILDING OCCUPANCY/RISK CATEGORY:	II
WIND DESIGN CRITERIA:	
1. MEAN ROOF HEIGHT	24' FEET
2. BASIC WIND SPEED:	100MPH - 3 SEC GUST
3. EXPOSURE CATEGORY:	C
[SEISMIC DESIGN CRITERIA (WHERE REQUIRED)	
1. SOIL SITE CLASS:	D (ASSUMED)
2. RESPONSE ACCELERATION (0.2S), SDS:	0.168 g
3. SEISMIC DESIGN CATEGORY:	C
4. SEISMIC COMPONENT IMPORTANCE FACTOR IP:	1.0





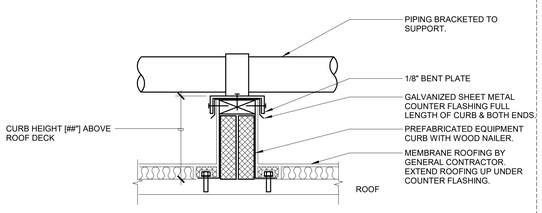
1 ROOF SUPPORT - EXPOSED DUCT (PREMANUFACTURED)

NO SCALE



NOTES:
1. PROVIDE [DUCT] [PIPE] SYSTEM SUPPORT AT MAXIMUM SPACING OF 12 FEET.
2. REFER TO CONCRETE FASTENER INSTALLATION INSTRUCTIONS FOR RECOMMENDED DIAMETER AND EMBED LENGTH FOR WEIGHT OF SYSTEM SUPPORTED. TYPICAL DUCT LESS THAN 24" TALL OR PIPE SYSTEMS LESS THAN 12" DIAMETER, ANCHORED TO A 4" THICK CONCRETE SLAB, WOULD USE FASTENER SIZE: 1/2" DIA. HILTI KB TZ2 WITH 2" EMBED LENGTH (ESR-4266).
3. FOR CONCRETE SLABS THINNER THAN 4", PROVIDE ONE OF THESE OPTIONS:
   A. EXTEND THREADED ROD ALL THE WAY THROUGH THE DECK AND FASTEN WITH WASHER AND NUT FROM BOTTOM SIDE.
   B. WELD TO STRUCTURAL BEAM, REFER TO STRUCTURAL DRAWINGS. WHERE SUPPORT DOES NOT ALIGN WITH A BEAM, ADD NEW W8X13 UNDER SUPPORT.

ROOF SUPPORT - EXPOSED DUCT

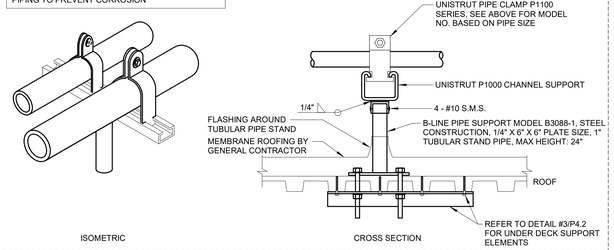


2 ROOF SUPPORT - EXPOSED PIPING RAIL

1/2" = 1'-0"

P1100 SERIES PIPE CLAMP			
MODEL	PIPE SIZE	MODEL	PIPE SIZE
P1112SS	3/4"	P1117SS	2"
P1113SS	1"	P1118SS	2-1/2"
P1114SS	1-1/4"	P1119SS	3"
P1115SS	1-1/2"	P1121SS	4"

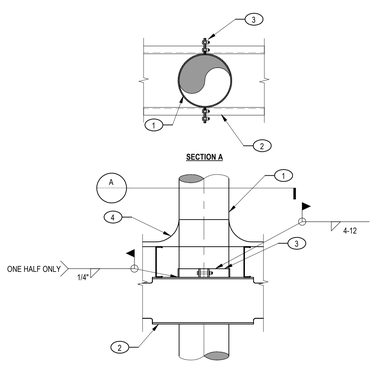
PROVIDE NON-METALIC INSERTS FOR COPPER PIPING TO PREVENT CORROSION



2016 CPC
TABLE 313.3
HANGERS AND SUPPORTS

MATERIALS	TYPES OF JOINTS	HORIZONTAL
CAST-IRON HUBLESS	SHIELDED COUPLING	EVERY OTHER JOINT, UNLESS OVER 4 FEET THEN SUPPORT EACH JOINT
Copper & Copper Alloys	Soldered, Brazed, Threaded, or Mechanical	1 1/2 inches and smaller. 6 feet; 2 inches and larger, 10 feet
Steel Pipe for Gas	Threaded or Welded	1/2 inch. 6 feet: 3/4 inch and 1 inch 8 feet; 1 1/4 inches and larger, 10 feet

REFER TO CODE SECTION FOR FULL TABLE AND NOTES



3 DUCT SUPPORT AT ROOF PENETRATION

3/4" = 1'-0"

KEYNOTES:
1. DUCTING PER PLAN AND ELEVATIONS
2. ROOF FRAMING PER 400 SERIES
3. 1/4"X 3" FLAT BAR DUCT CLAMP
4. WATERPROOFING PER CONTRACTOR

issue for review: 2026.08.05
issue for pricing: 2026.09.11
issue for construction:

revisions:

mark	date	description

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NOT FOR CONSTRUCTION

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REFER TO SHEETS G0.00 - G0.03 FOR ALL GENERAL NOTES RELATIVE TO THE SCOPE OF WORK AND TYPES OF DRAWINGS, ELEMENTS, AND INSTRUCTIONS FOUND ON THIS SHEET.

PLEASE REFER TO CONTRACTOR PROVIDED TRADE PACKAGES (DIVISION 00) FOR ALL CONTRACTOR PROJECT REQUIREMENTS, WITHOUT EXCEPTION. **ALL SUBCONTRACTORS ARE RESPONSIBLE FOR REVIEWING ALL CONTRACT DOCUMENTS** (INCLUDING SHEETS, DRAWINGS, GENERAL NOTES, SPECIFICATIONS, ETC.) AS PROVIDED BY THE ARCHITECT OR ANY OTHER CONSULTANT.

contents: HVAC DETAILS

design: CD
date: 2026.09.11
project: 25.18

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