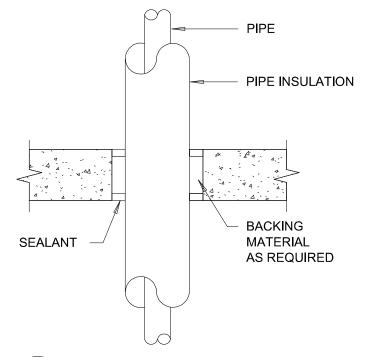


NOTES:

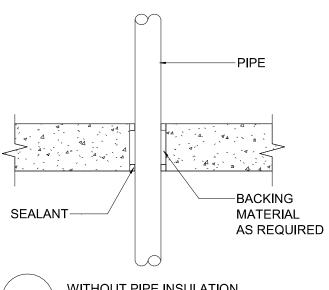
1. TYPICAL FOR NON-INSULATED PIPING AND CONDUIT.

- TYPICAL FOR MASONRY OR CONCRETE WALL.
 FOR WALL PENETRATION WITH FIRE RATINGS GREATER THAN (1) HOUR, USE THUNDERLINE "PYRO-PAC" SEALS OR EQUAL.
- 4. WHERE PIPING EXPOSED AT FINISHED WALL, FLUSH MOUNT SLEEVE, AND PROVIDE AN ESCUTCHEON PLATE.

10 PIPE PENETRATION THRU EXTERIOR WALLS MX3001-PH2 NO SCALE



A WITH PIPE INSULATION



B WITHOUT PIPE INSULATION

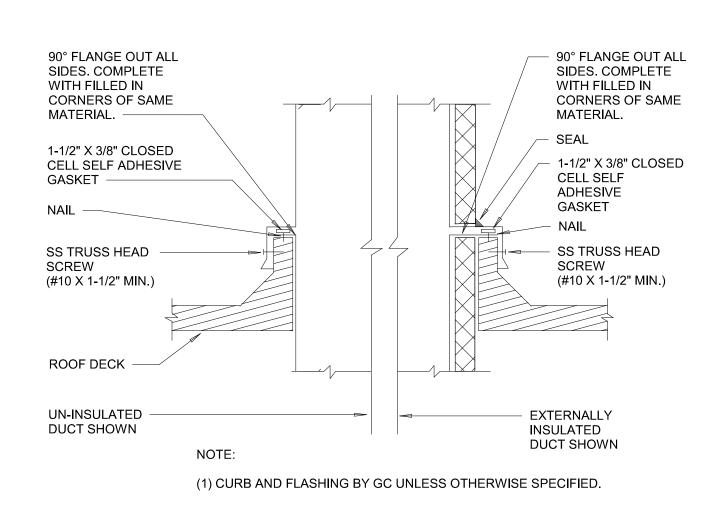
(1) WHERE FLOOR IS FIRE RATED, APPLY FIRE STOPPING SYSTEM MEETING THIS RATING. REFER TO SPECIFICATION FOR FIRE STOPPING SYSTEM.

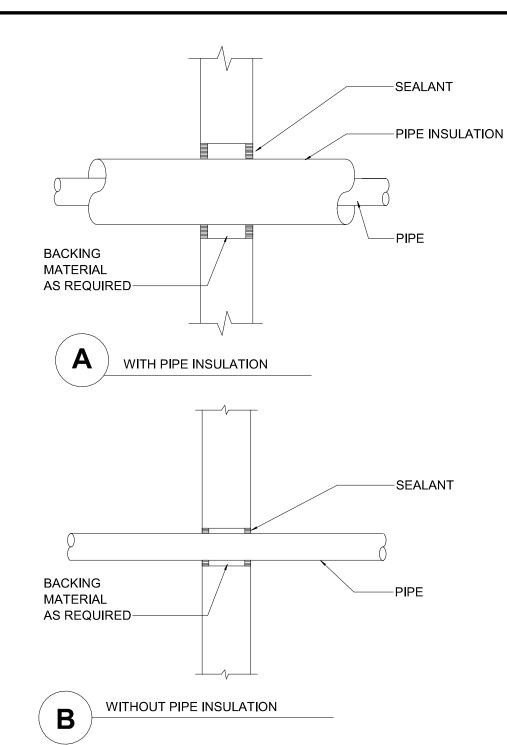
(2) REFER TO SPECIFICATIONS FOR SLEEVES, WATER-STOPS AND WATER-STOP CURBS AT PENETRATIONS.

12 DUCT PENETRATION THRU ROOF

MX3001-PH2 NO SCALE

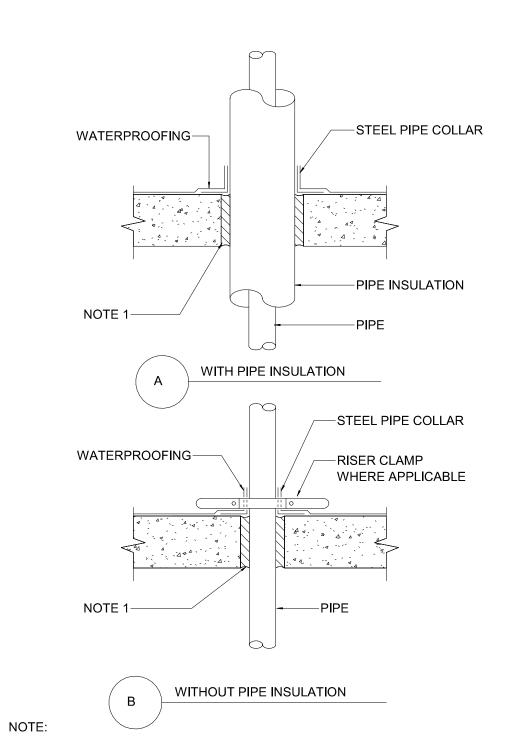
11 PIPE THRU FLOOM MX3001-PH2 NO SCALE





(1) WHERE WALL IS FIRE RATED, APPLY FIRE STOPPING SYSTEM (COMBINATION OF SEALANT, BACKING MATERIAL AND INSULATION) MEETING THIS RATING. REFER TO SPECIFICATION FOR FIRE STOPPING SYSTEM.

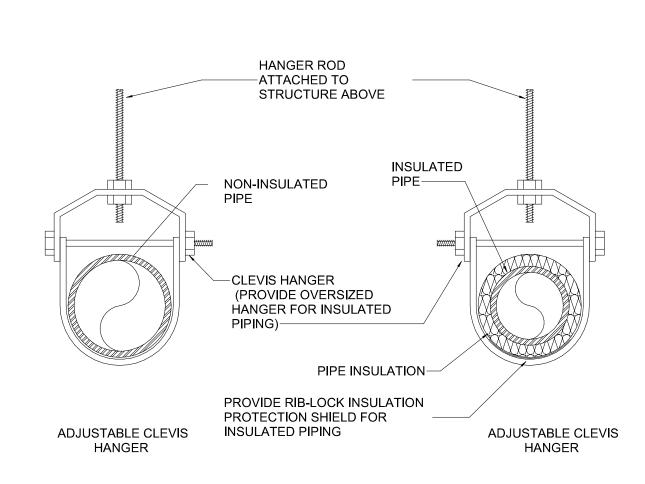
7 PIPE THRU INTERIOR WALL
MX3001-PH2 NO SCALE



(1) WHERE FLOOR IS FIRE RATED, APPLY FIRE STOPPING SYSTEM (COMBINATION OF SEALANT, BACKING MATERIAL AND INSULATION) MEETING THE FLOOR FIRE RATING. REFER TO SPECIFICATIONS FOR FIRE STOPPING SYSTEM.

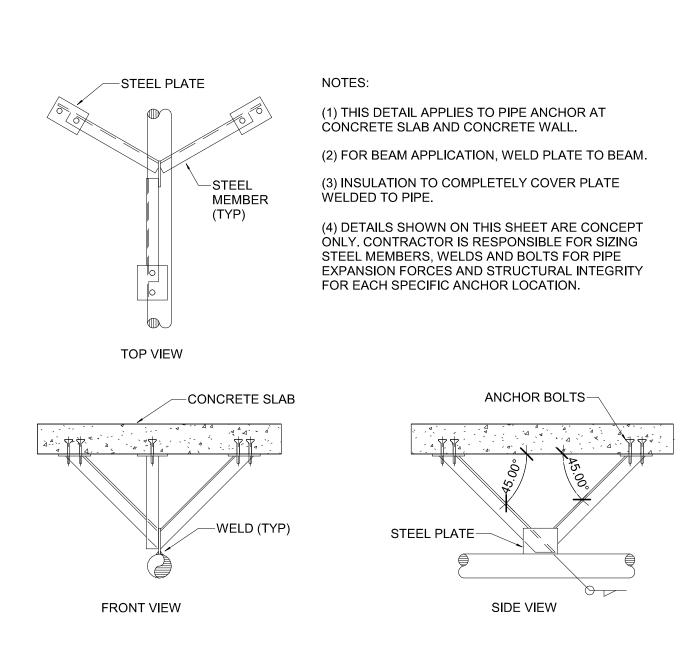
(2) REFER TO SPECIFICATIONS FOR SLEEVES, WATER-STOPS AND WATER-STOP CURBS AT PENETRATIONS.

8 PIPE THRU MECHANICAL ROOM FLOOR
MX3001-PH2 NO SCALE

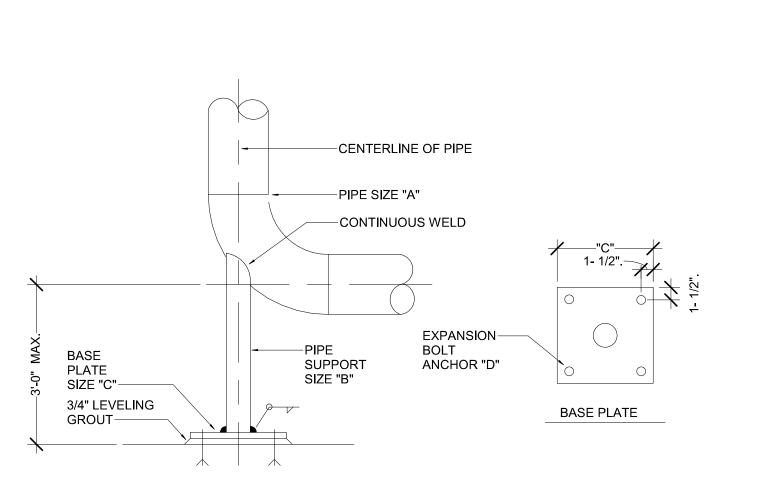


NOTE:
(1) REFER TO SPECIFICATIONS FOR INSULATED PIPE
SUPPORTS, INSULATION PROTECTION SHIELDS AND SADDLES.

9 PIPE HANGER (CLEVIS)
MX3001-PH2 NO SCALE



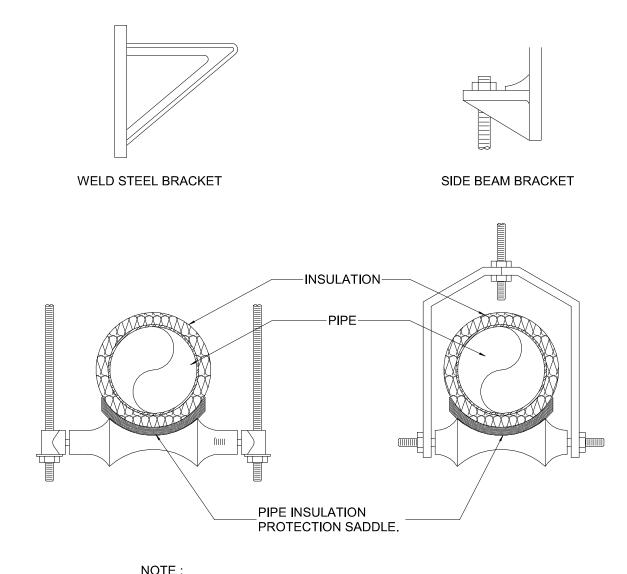
4 ANCHOR TO CONCRETE SLAB
MX3001-PH2 NO SCALE



NOTES:

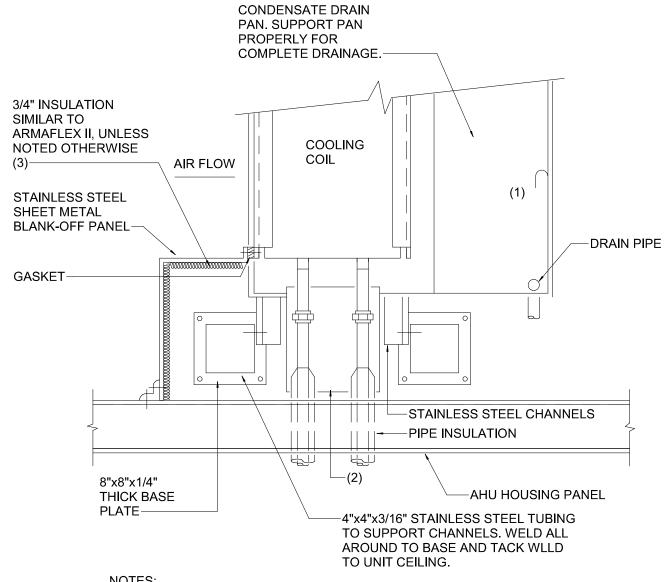
(1) CONCRETE FLOOR SLAB TO HAVE MIN. 3500 PSI.
(2) SUPPORT PIPE TO BE ASME A53, GRADE B, TYPE E OR S, STANDARD WEIGHT, CARBON STEEL.
(3) PROVIDE APPROVED AND STAMPED PIPE SUPPORT DETAIL FROM MANUFACTURER FOR PIPES 6" AND LARGER.

5 PIPE SUPPORT AT ELBOW MX3001-PH2 NO SCALE



(1) REFER TO SPECIFICATIONS FOR INSULATED PIPE SUPPORTS, INSULATION PROTECTION SHIELDS AND SADDLES.

6 PIPE BRACKETS AND ROLLERS
MX3001-PH2 NO SCALE



NOTES:

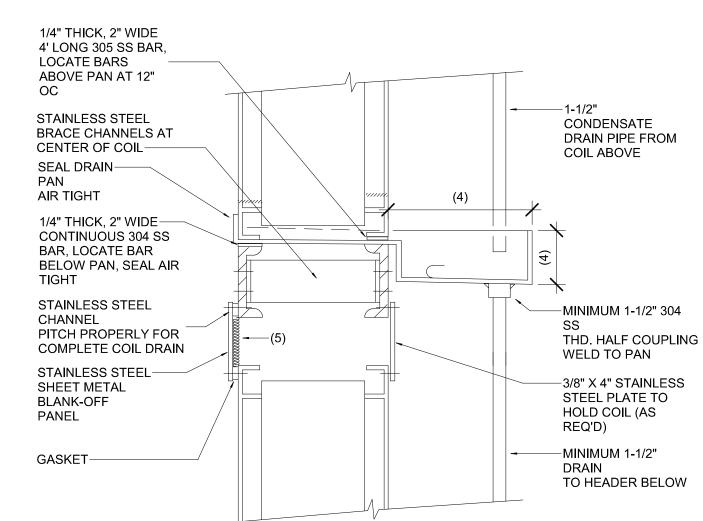
(1) PITCH CONDENSATE PAN TOWARD DRAIN CONNECTION WITH MINIMUM PITCH OF 1/4" PER FOOT.

(2) PROVIDE DRAIN PAN UNDER NON-INSULATED PIPING BETWEEN COIL AND HOUSING WALL.

(3) REFER TO SPECIFICATIONS FOR INSULATED BLANK-OFF PANELS.

COOLING COIL SUPPORT PLAN VIEW

MX3001-PH2 NO SCALE



NOTES:

(1) CONDENSATE DRAIN PAN TO BE 16 GAUGE STAINLESS STEEL ALL WELDED CONSTRUCTION.
(2) PAN LENGTH TO BE SUFFICIENT TO COVER COIL TUBE BENDS AND UNIONS.
(3) CONDENSATE DRAIN PIPE TO BE SCH. 40, 304 SS PIPE BOTTOM DRAIN PAN TO NEAREST HUB DRAIN WITH TRAP. LOCATE TRAP OUTSIDE HOUSING.

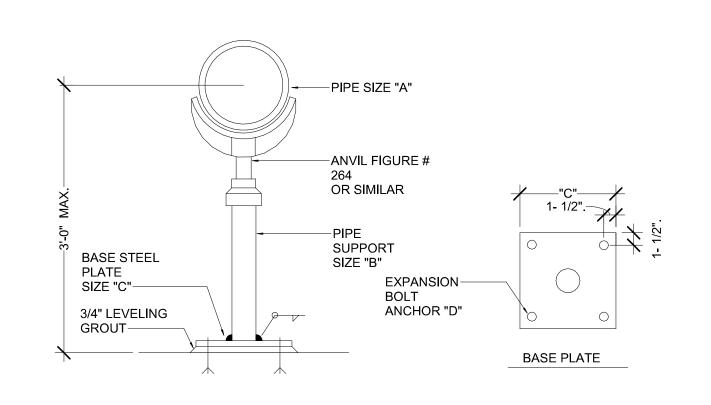
(4) DRAIN PAN TO EXTEND MIN. 6", BUT NO MORE THAN 12" DOWNSTREAM OF COIL FACE WITH SUFFICIENT DEPTH TO HOLD CONDENSATE, BUT NOT LESS THAN 2".

(5) 3/4" INSULATION SIMILAR TO ARMAFLEX II, UNLESS NOTED OTHERWISE. REFER TO

2 COOLING COIL SUPPORT SECTION

MX3001-PH2 NO SCALE

SPECIFICATIONS FOR INSULATED BLANK-OFF PANELS.



NOTES:

(1) CONCRETE FLOOR SLAB TO HAVE MIN. 3500 PSI.
(2) SUPPORT PIPE TO BE ASME A53, GRADE B, TYPE E OR S, STANDARD WEIGHT, CARBON STEEL.
(3) PROVIDE APPROVED AND STAMPED PIPE SUPPORT DETAIL FROM MANUFACTURER FOR PIPES LARGER THAN 2-1/2".

3 PIPE SUPPORT ABOVE FLOOR
MX3001-PH2 NO SCALE

Original drawing is 42 X 30. Do not scale contents of this drawing.



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PRIME A/E ZGF ARCHITECTS
SUB A/E HARRIS
CONSTR. CON. 1324310

FACILITY CODE HS REAL PROPERTY INVENTOR
BUILDING NO. 10-CRC
NAME SRLM WING OF BUILDING 10
STREET 9000 ROCKVILLE PIKE
CITY BETHESDA

SPB TASK NO.
PROJ. OFFICER ROZARIO A. (TONY) FRANCIS
PROG/PROJ MGR ROZARIO A. (TONY) FRANCIS
SUBMISSION PHASE 2 95% SUBMISSION
SUB. DATE
OCTOBER 6, 2023

STATE/ZIP MD 20892

MEDICINE (SRLM) BUILDING 10 CRC

- DETAILS

National Institutes of Health

DISCIPLINE MECHANICAL
DESIGNED BY GPG
DRAWN BY GPG
CHECKED BY DRR
DRAWING NO.

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