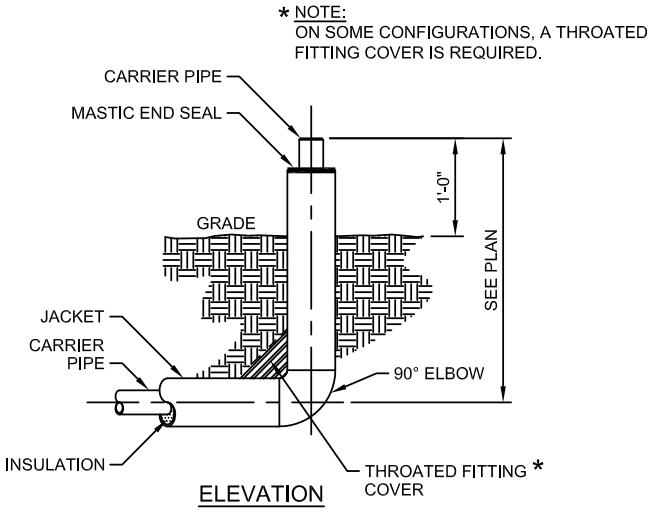
THERMACOR

COPPER-THERM
Details

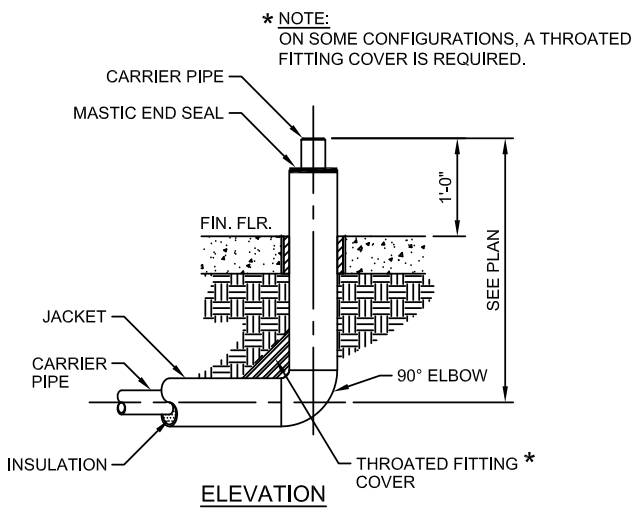
COPPER RISER DETAIL

CUAD
6.501

8.23.2022



RISER DETAIL
SCALE: NONE



RISER DETAIL
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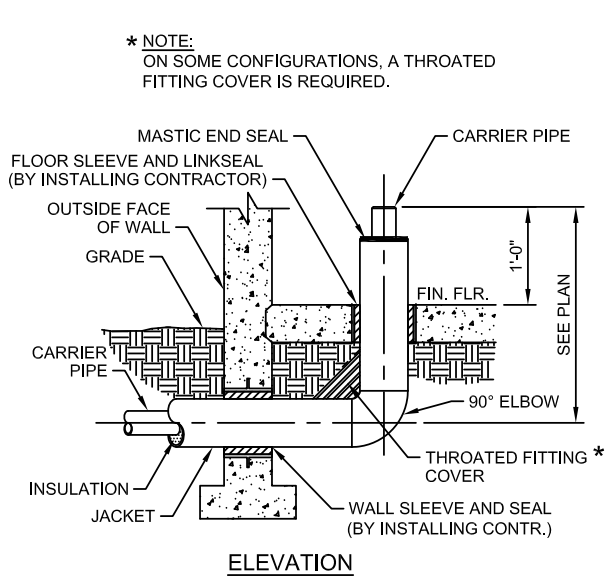
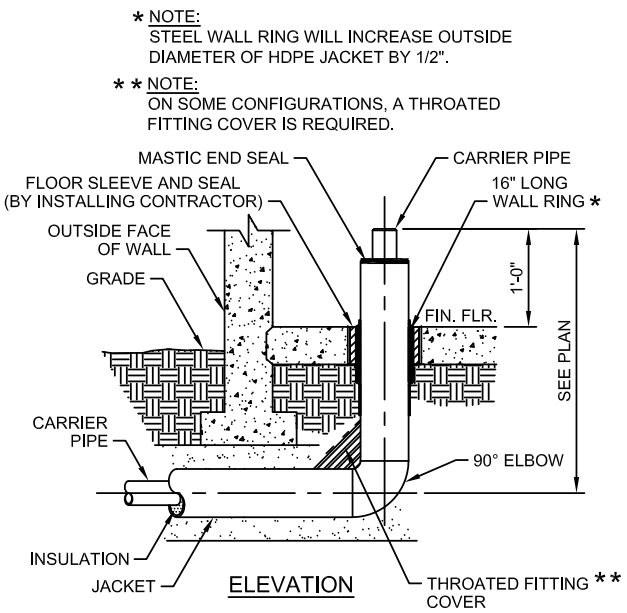
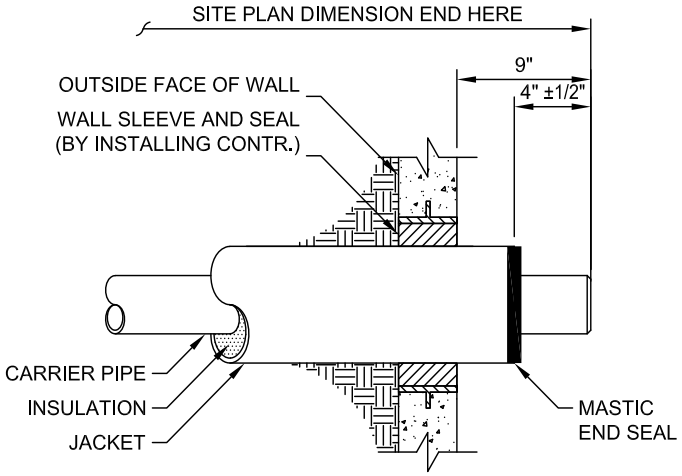


BUILDING RISER DETAIL
SCALE: NONE



BUILDING RISER DETAIL
SCALE: NONE

THERMACOR	COPPER-THERM Details	CUAD 6.502
	COPPER WALL PENETRATION DETAIL	8.23.2022



GENERAL NOTES:

(1) FOR SYSTEMS WHICH ARE ANCHORED, A MECHANICAL COMPRESSIVE SEAL ASSEMBLY CAN BE UTILIZED FOR WATERPROOFING THE WALL PENETRATION.

(2) IF EXPANSION THRU THE WALL IS ANTICIPATED, WE RECOMMEND THE FOLLOWING SEALING MECHANISM:

A. WRAP THE EXTERIOR OF THE JACKET WITH AN OILED OAKUM MATERIAL FROM THE INSIDE OF THE WALL TO ABOUT HALFWAY THRU THE WALL.

B. WRAP THE EXTERIOR OF THE JACKET WITH ARMAFLEX MATERIAL TO THE OUTER WALL.

C. COAT THE ARMAFLEX WITH A BITUMASTIC SEALANT.

WALL PENETRATION DETAIL

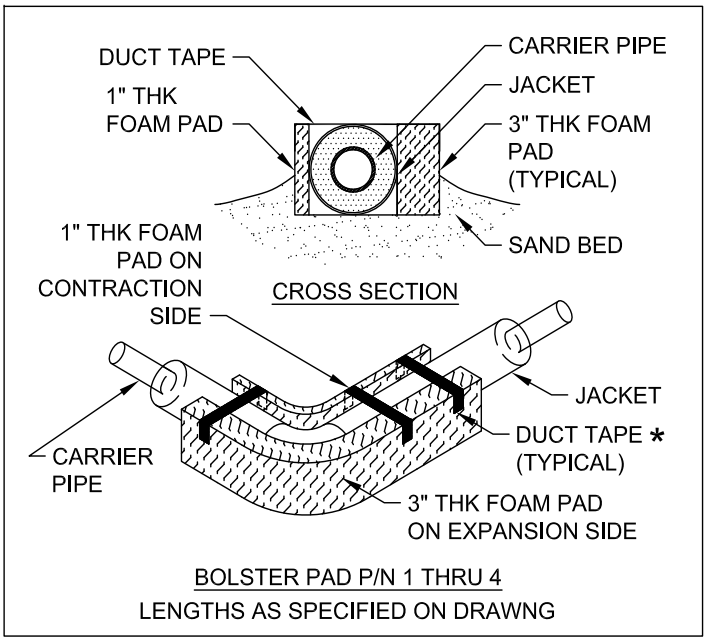
SCALE: NONE

THERMACOR	COPPER-THERM Details	CUAD 6.503
	EXPANSION BOLSTER DETAIL	8.23.2022

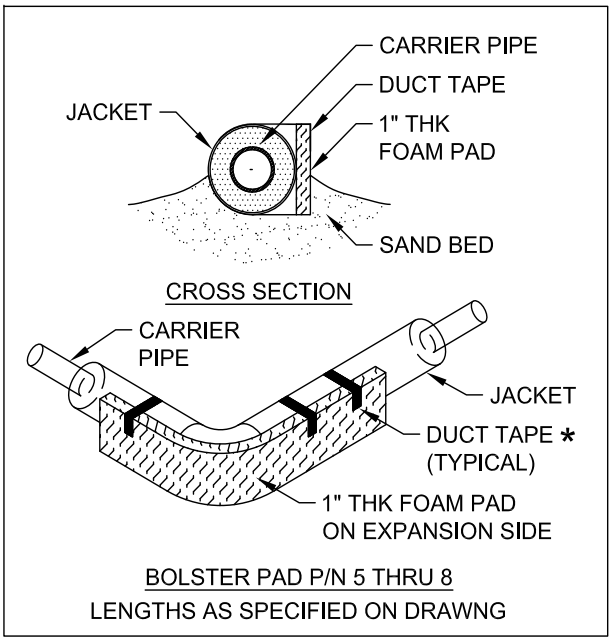
1. PLACE BOLSTER PADS AGAINST JACKET AND CURVE AROUND ELBOW AS SHOWN. HOLD IN PLACE BY ATTACHING PADS TO JACKET WITH DUCT TAPE OR EQUIVALENT ON TOP AND BEDDING SAND ON THE BOTTOM. BE CERTAIN THAT THE BOLSTER PADS FITS SNUG TO JACKET.

JACKET SIZE (OD)	PAD HEIGHTS	DUAL PADS	SINGLE PADS
JACKET OD < 10"	7"	BOL-1	BOL-5
10" ≤ JACKET OD < 16"	13"	BOL-2	BOL-6
16" ≤ JACKET OD < 22"	17"	BOL-3	BOL-7
JACKET OD ≥ 22"	25"	BOL-4	BOL-8

* NOTE:
DUCT TAPE TO BE 1'-0" ON CENTERS.



BOLSTER PAD P/N 1 THRU 4
LENGTHS AS SPECIFIED ON DRAWNG

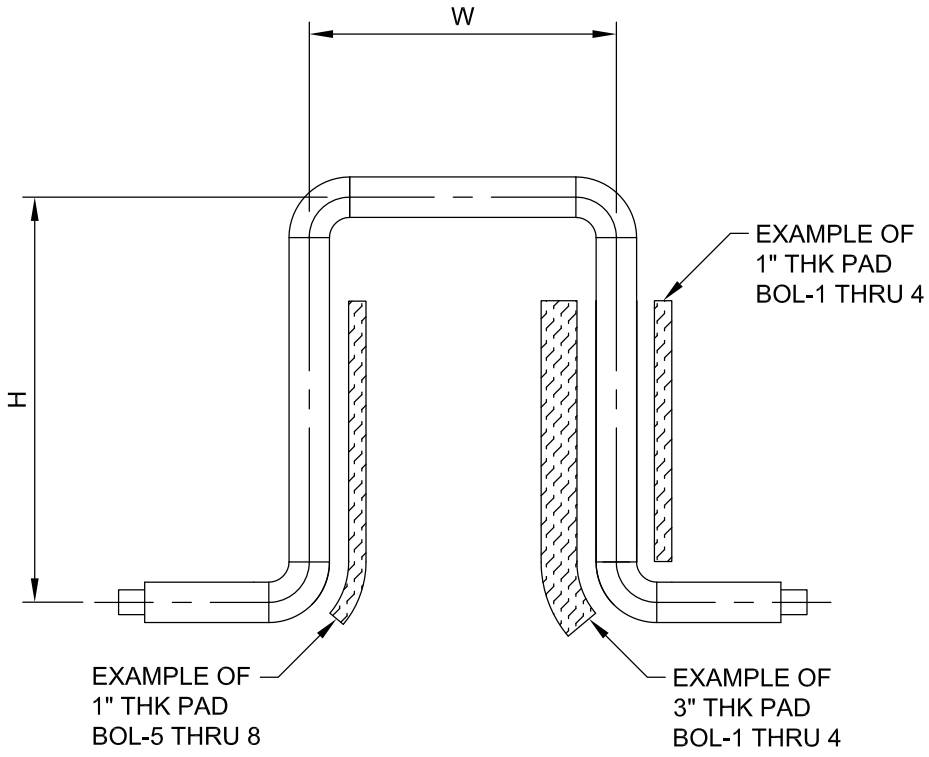


BOLSTER PAD P/N 5 THRU 8
LENGTHS AS SPECIFIED ON DRAWNG

BOLSTER PAD DETAIL

SCALE: NONE

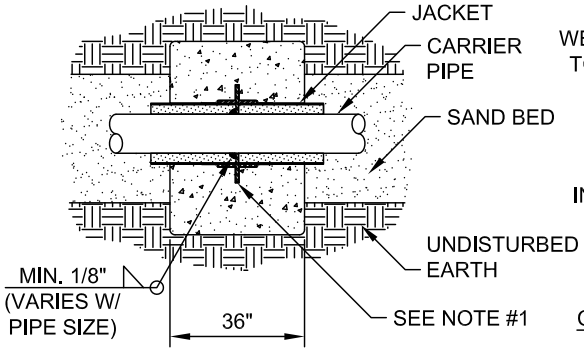
THERMACOR	COPPER-THERM **Details**	CUAD **6.504**
	COPPER EXPANSION LOOP DETAIL	8.23.2022



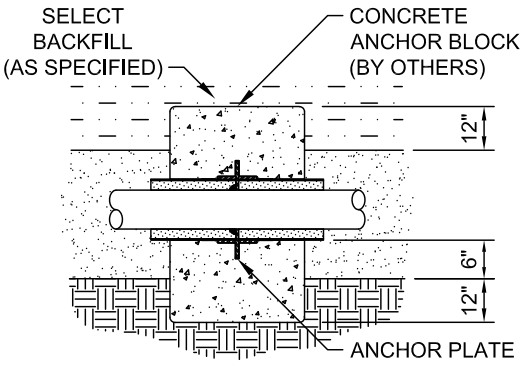
EXPANSION LOOP DETAIL

SCALE: NONE

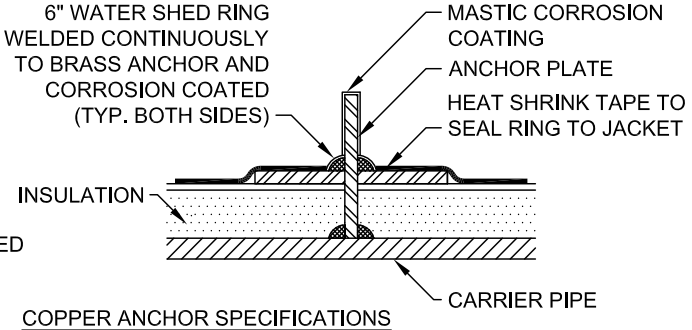
THERMACOR	**COPPER-THERM** **Details**	CUAD **6.505**
	COPPER ANCHOR DETAIL	8.23.2022



TOP VIEW



SIDE VIEW



COPPER ANCHOR SPECIFICATIONS

1. BRASS ANCHOR PLATE AND WELDED RINGS FURNISHED BY THERMACOR. ANCHOR PLATE SHALL MEET ASTM A36 AND ON ALL SIZES SHALL BE A MINIMUM 1/4" THICK. ANCHOR PLATE SHALL EXTEND 2-1/2" BEYOND THE CASING DIAMETER ON ALL SIDES. ANCHOR PLATE SHALL BE CORROSION COATED WITH A MASTIC MATERIAL AFTER WATERSHED RINGS HAVE BEEN SEALED TO CASING BY HEAT SHRINK TAPE.

2. ANCHOR ASSEMBLY SHALL BE POURED IN A CONCRETE BLOCK BY THE CONTRACTOR IN THE FIELD. (MINIMUM 3000 psi) GENERALLY, THE ANCHOR BLOCK EXTENDS A MINIMUM OF 12" IN ALL DIRECTIONS BEYOND THE ANCHOR O.D. AND HAS A OVERALL LENGTH OF 36". THE JOB SITE CONDITIONS SHALL BE THE FINAL DETERMINING FACTOR FOR ANCHOR BLOCK SIZING.

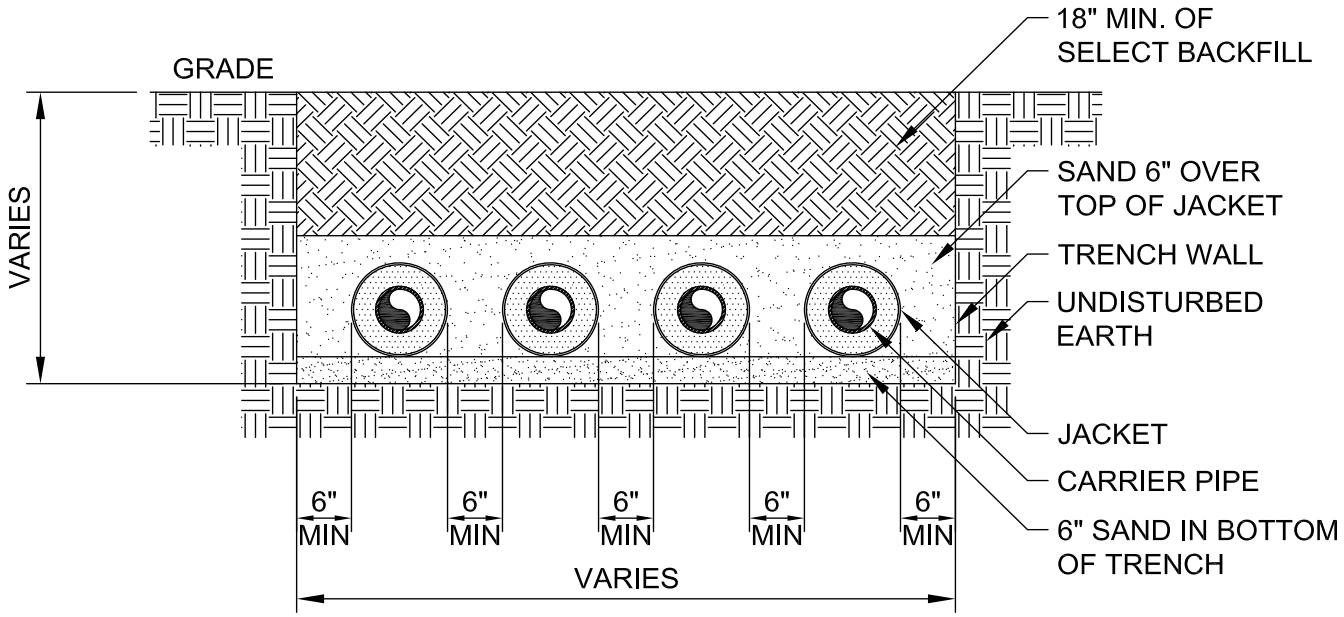
3. DEPENDING ON ANCHOR BLOCK SIZE, STEEL REINFORCEMENT BARS MAY BE REQUIRED.

NOTE:
IT IS THE RESPONSIBILITY OF THE ***ENGINEER OF RECORD*** TO DESIGN THE ANCHOR BLOCKS APPROPRIATELY.

ANCHOR DETAIL

SCALE: NONE

THERMACOR	**COPPER-THERM** **Details**	CUAD **6.506**
	COPPER 4 PIPE TRENCH DETAIL	8.23.2022



TRENCH DETAIL

SCALE: NONE