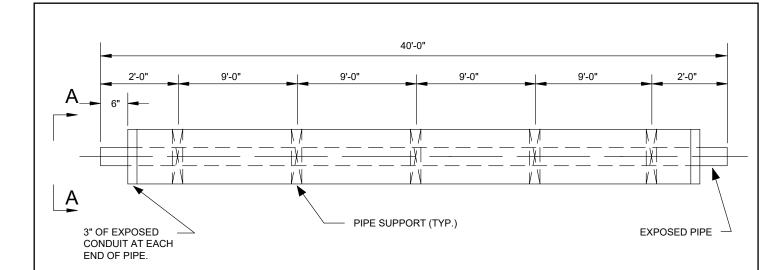


CON II Details

STANDARD CONDUIT LENGTH DETAIL

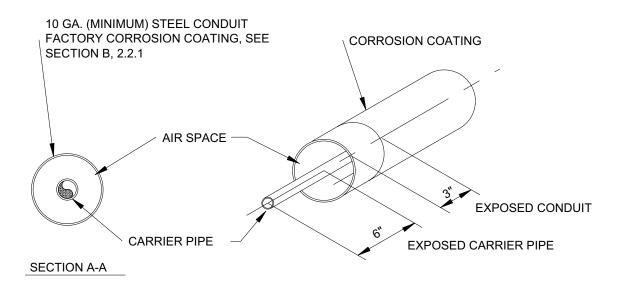
C2AD **13.301**

2.02.2021



MINIMUM GAUGE AND THICKNESS FOR STEEL CASING CONDUIT SYSTEMS		
CASING TYPE	CASING DIAMETER	MIN. WALL THICKNESS
BLACK STEEL	UP THROUGH 26"	0.1345" (10 GAUGE)
SMOOTH WALL	27" THROUGH 36"	0.1943" (6 GAUGE)
	37" THROUGH 42"	0.2242" (4 GAUGE)

The above thicknesses will support a highway loading H-20, or equivalent, with a minimum of 2' burial and 95% of maximum density compacted backfill in cohesive soils or 70% of relative density compacted backfill for cohesive soils. For special loadings and soil conditions, conduit thickness may change.



NOTE:

This detail shows a single pipe in a conduit. The support spacing dimensions and casing thickness are applicable for a dual pipe system in a single conduit.



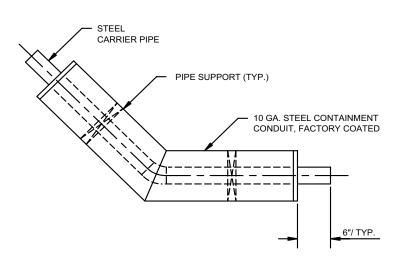
CON II Details

FITTINGS DETAIL

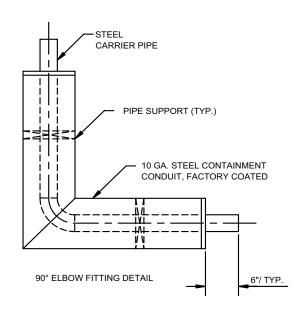
C2AD

13.302

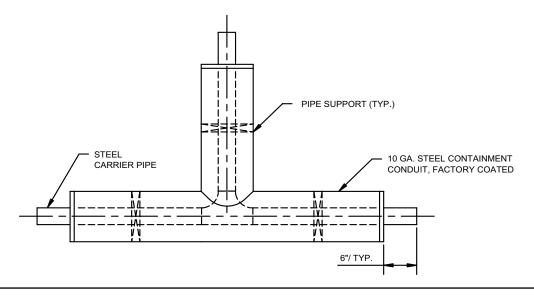
2.02.2021



45° ELBOW FITTING DETAIL



PIPE SIZE	CONTAINMENT CONDUIT SIZE
3"	6"
4"	8"
6"	10"
8"	12"
10"	14"





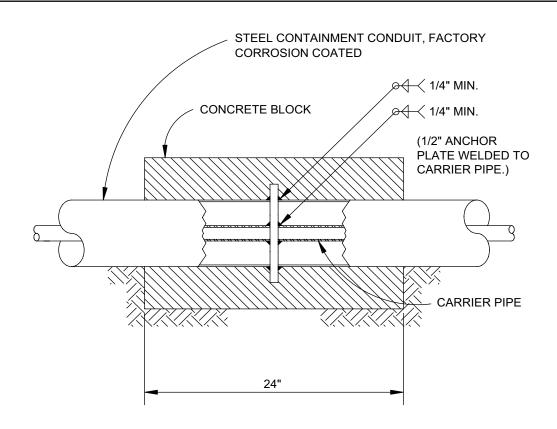
CON II Details

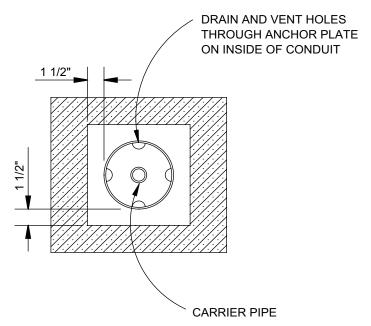
ANCHOR DETAIL

C2AD

13.303

2.02.2021





ANCHOR PLATES ARE 1/2" STEEL CENTERED ON CONDUIT WITH DIMENSIONS 1 1/2" LARGER HORIZONTALLY AND 1 1/2" LARGER VERTICALLY THAN NOMINAL CONDUIT DIAMETER. CONCRETE ANCHOR BLOCK EXTENDS MINIMUM OF 12" OUTSIDE ANCHOR PLATE AND IS MINIMUM OF 24" IN LENGTH.



CON II

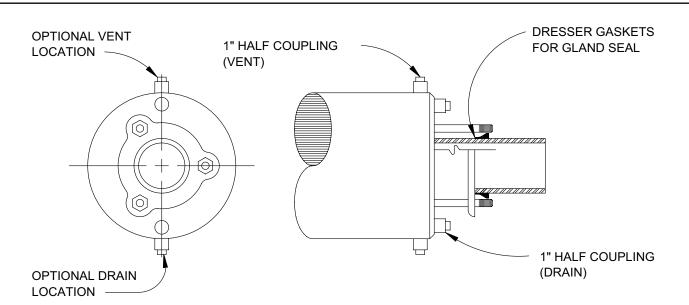
Details

WALL PENETRATION W/ GLAND END SEAL DETAIL

C2AD

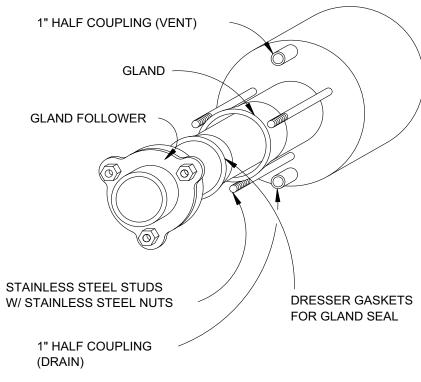
13.304

2.02.2021

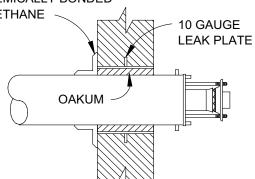


STUD AND NUT TABLE FOR VARYING PIPE SIZES

CARRIER PIPE SIZE	NO. OF STUDS AND NUTS
1/2" TO 2"	2
2-1/2" TO 4"	3
5" TO 6"	4
8"	5
10" TO 12"	6
14"	8
16"	10



SEAL WALL PENETRATION W/ 3 COATS OF BITUMUS MASTIC OR ONE COAT OF CHEMICALLY BONDED URETHANE -





CON II

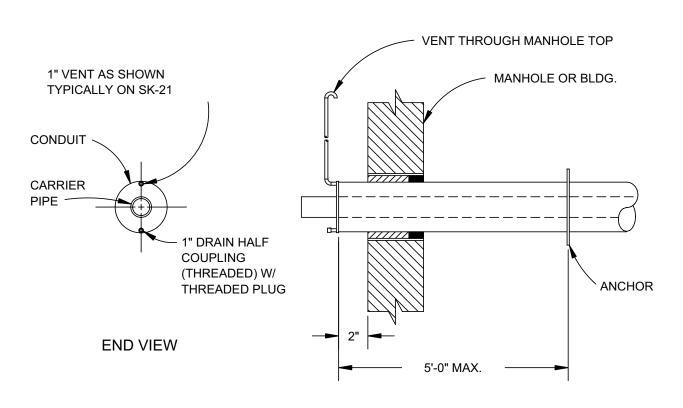
Details

WALL PENETRATION DETAIL

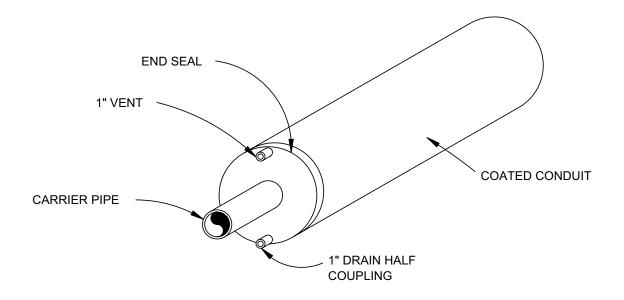
C2AD

13.305

2.02.2021



ELEVATION



NOTE: USED WHEN ANCHOR
IS WITHIN 5' OF A MANHOLE
OR BUILDING WALL.