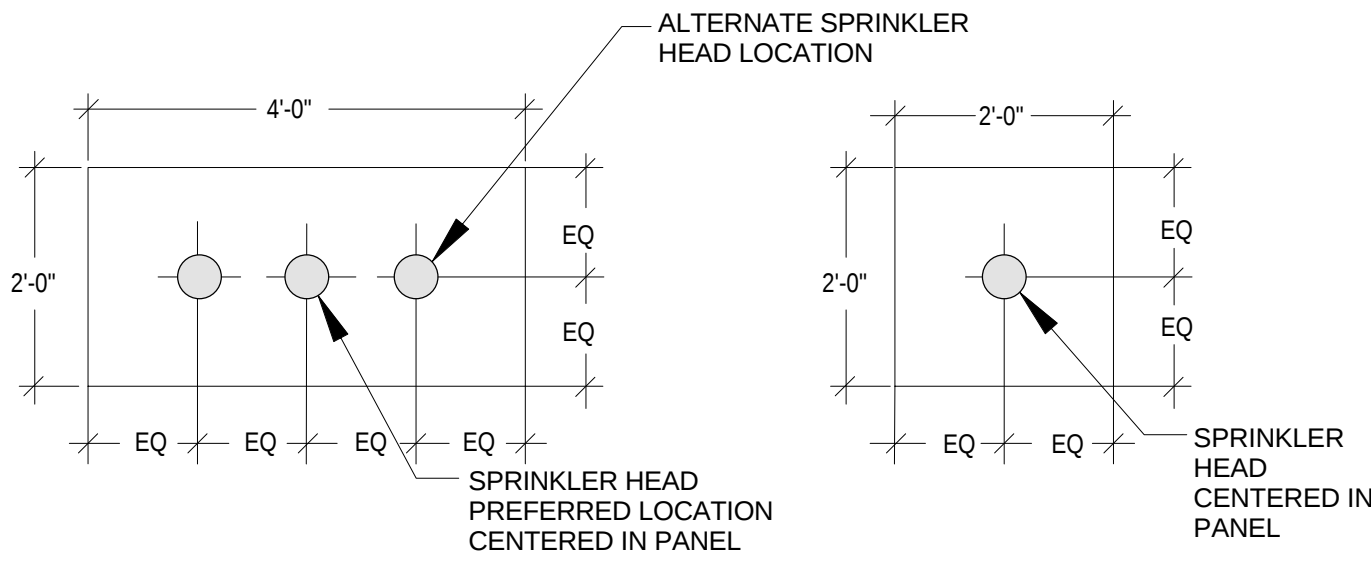
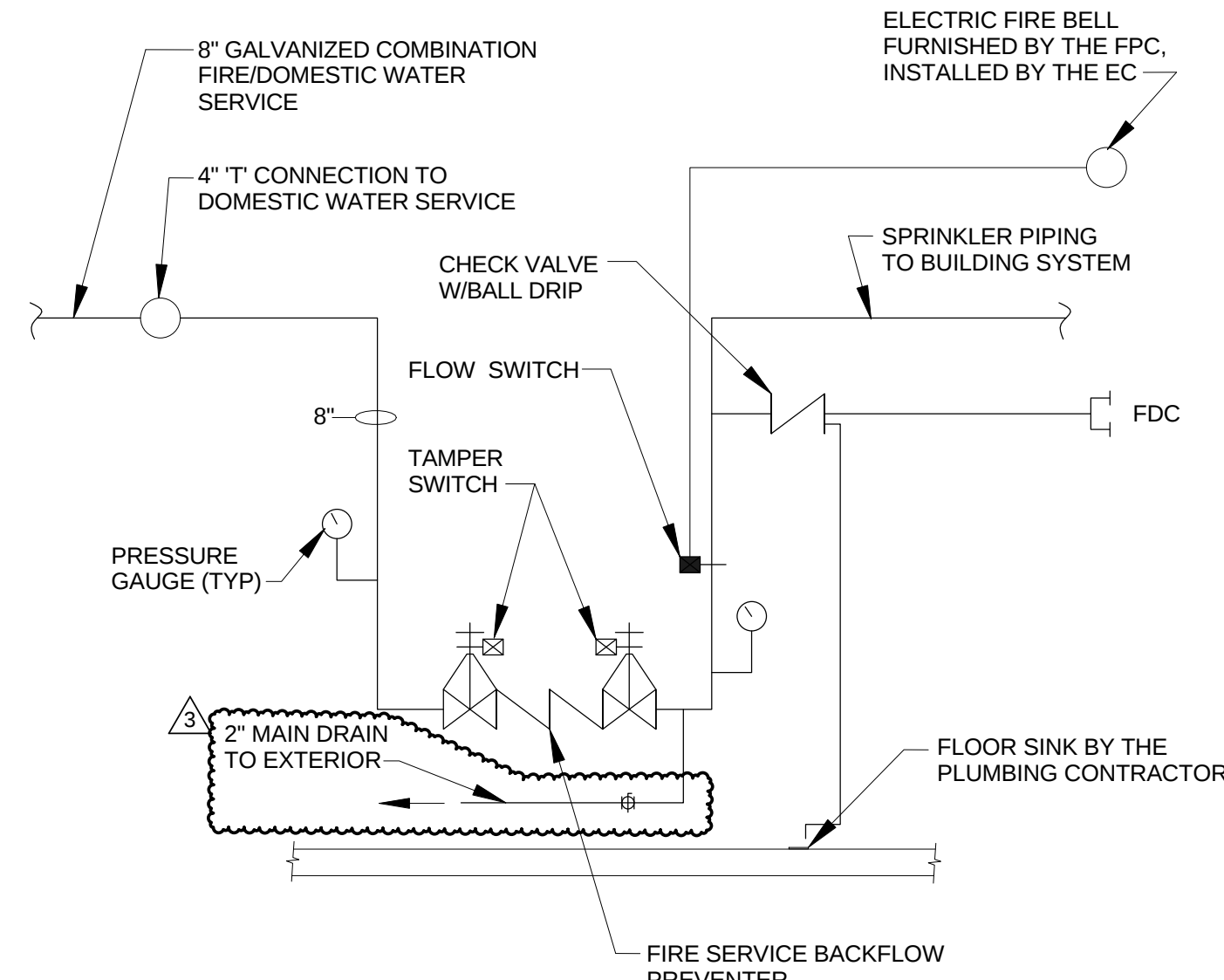




- NOTES:
- PENETRATIONS OF 1x4 OR 2x4 CEILING PANELS BY SPRINKLER HEADS SHALL BE CENTERED IN THE SHORT DIMENSION AND EITHER CENTERED OR AT 1/4 POINTS IN THE LONG DIMENSION.
 - CEILING TILES THAT ARE CUT ALONG A PARTITION THE PENETRATION FOR SPRINKLER HEADS SHALL BE CENTERED BETWEEN THE GRID AND THE PARTITION.
 - FOR A 2x2 CEILING TILE, THE PENETRATIONS FOR SPRINKLER HEADS SHALL BE CENTERED IN THE PANEL.
 - MAINTAIN CLEARANCES BETWEEN THE SPRINKLER HEAD AND OTHER CEILING MOUNTED OR RECESSED OBJECTS AS REQUIRED BY NFPA 13.

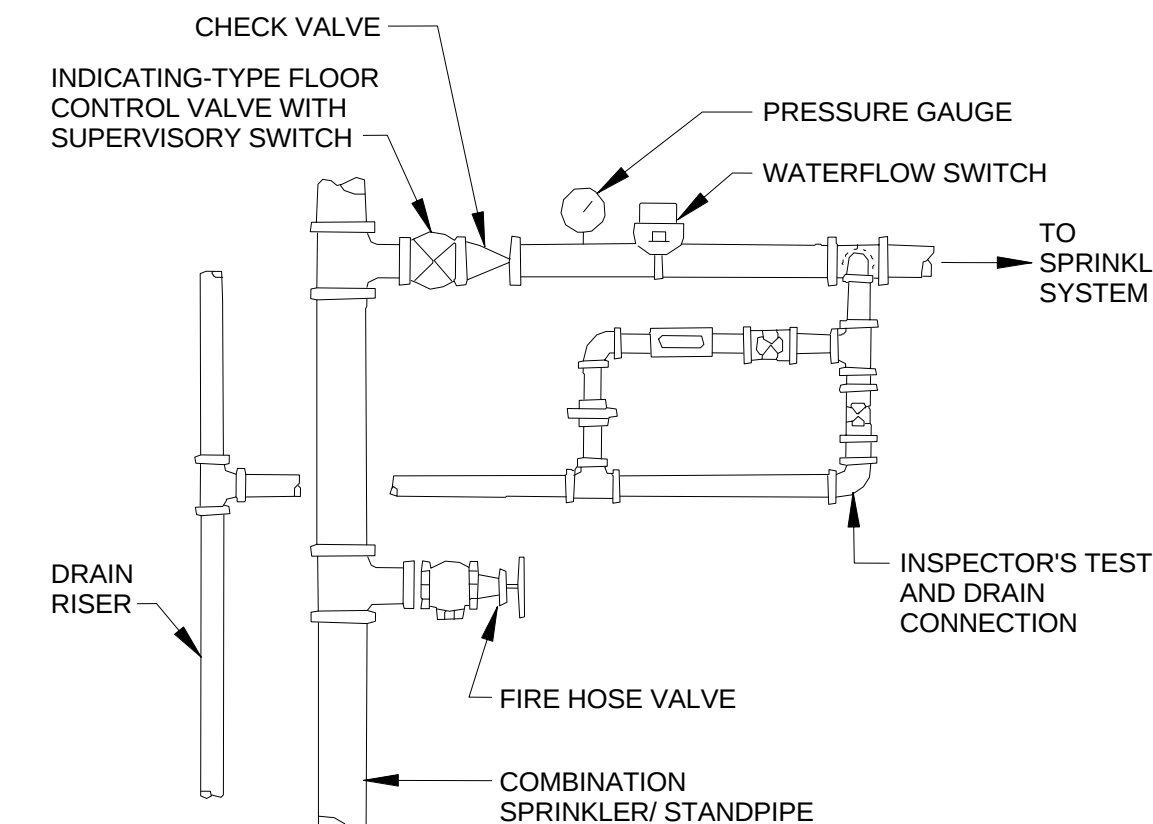
1 TYPICAL CEILING PANEL PENETRATION DETAIL

SCALE: N.T.S.



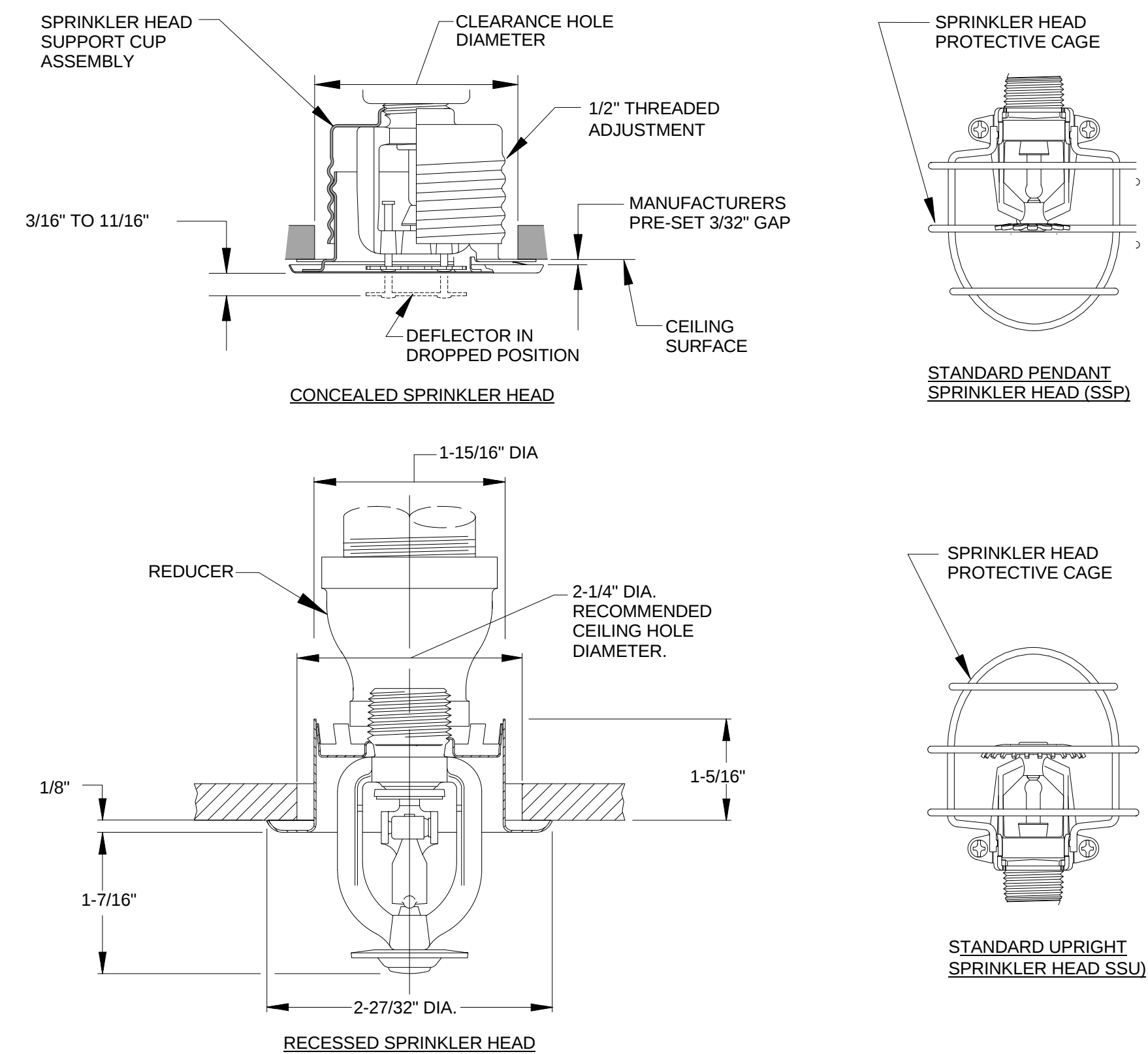
2 TYPICAL FIRE SERVICE ENTRANCE DETAIL

SCALE: N.T.S.



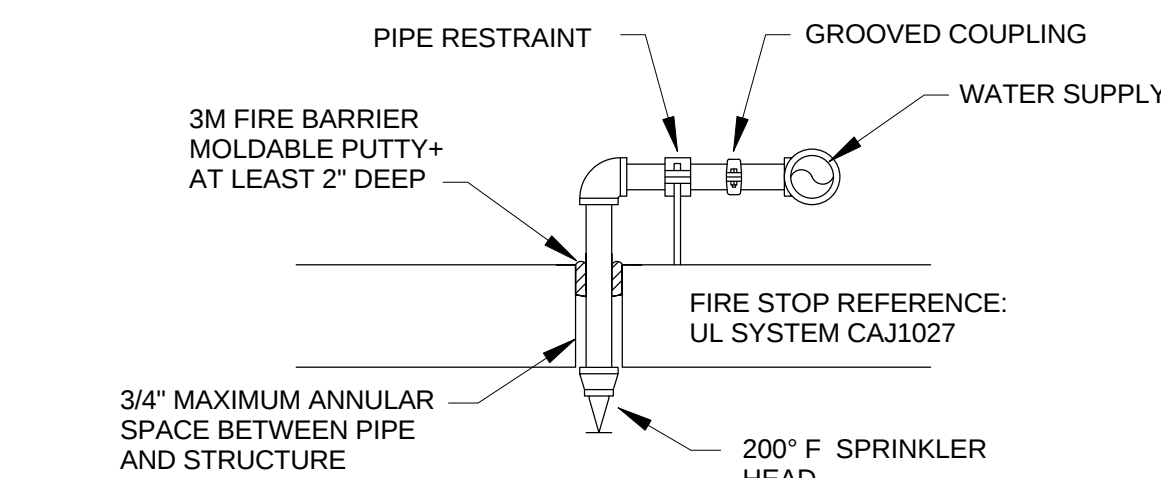
3 TYPICAL COMBINED SERVICE DETAIL

SCALE: N.T.S.



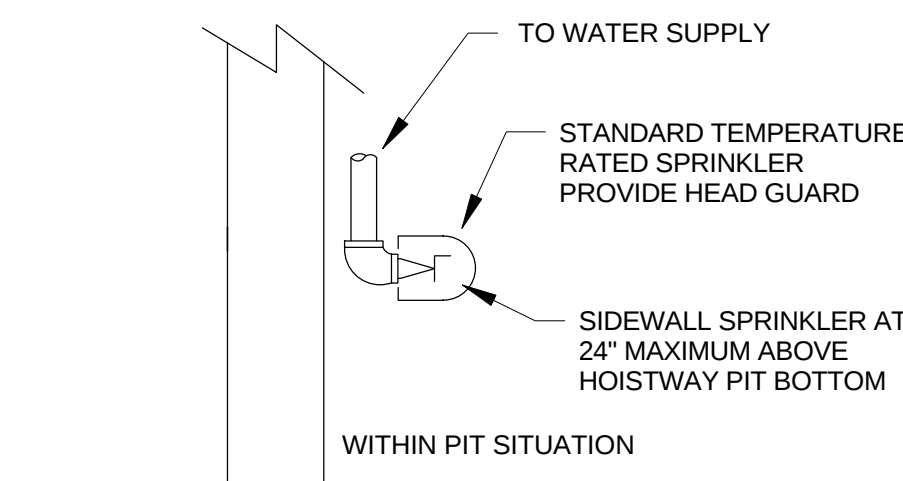
4 TYPICAL FIRE SPRINKLER HEAD DETAIL

SCALE: N.T.S.



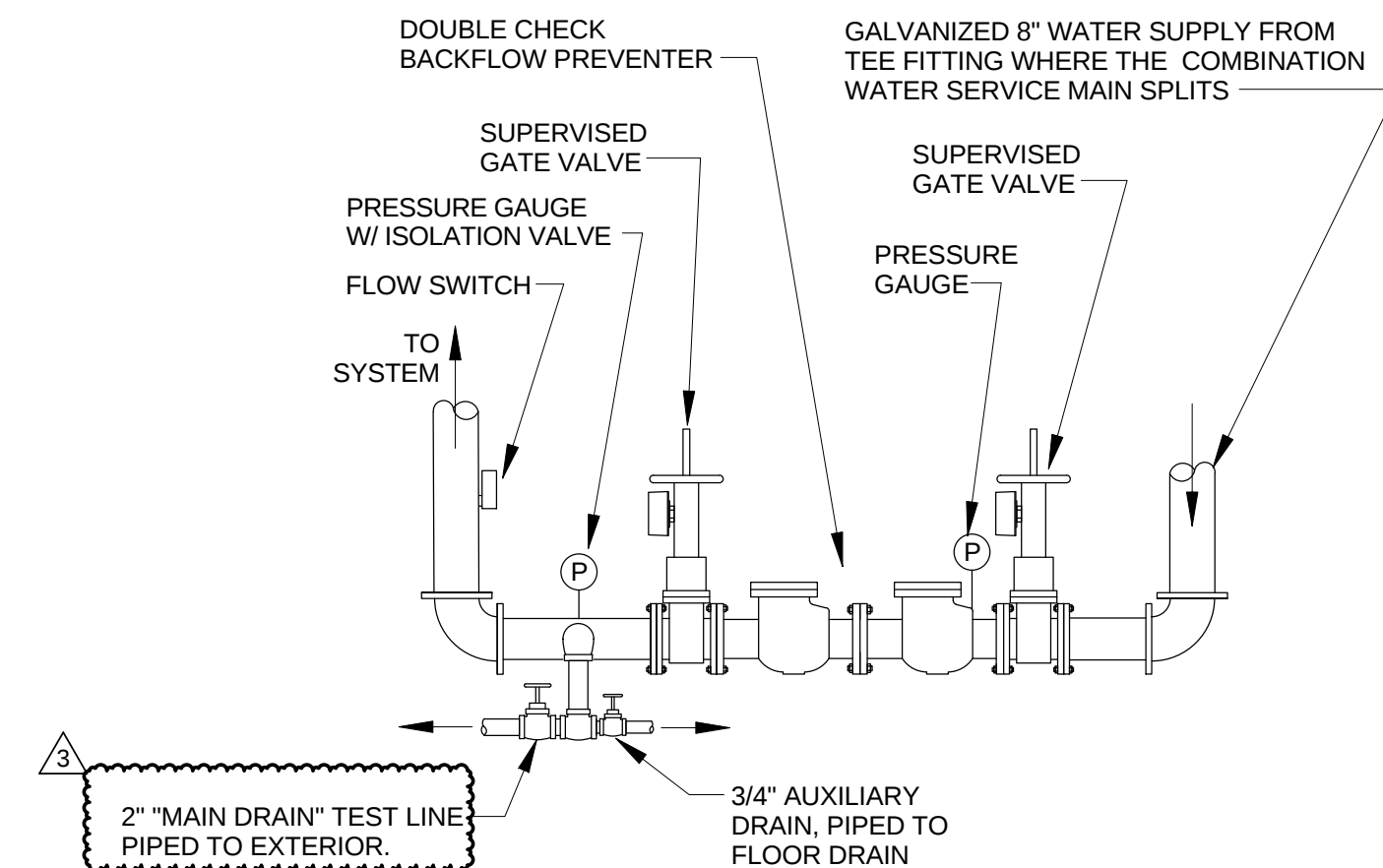
5 TOP OF ELEVATOR HOISTWAY SPRINKER

SCALE: N.T.S.



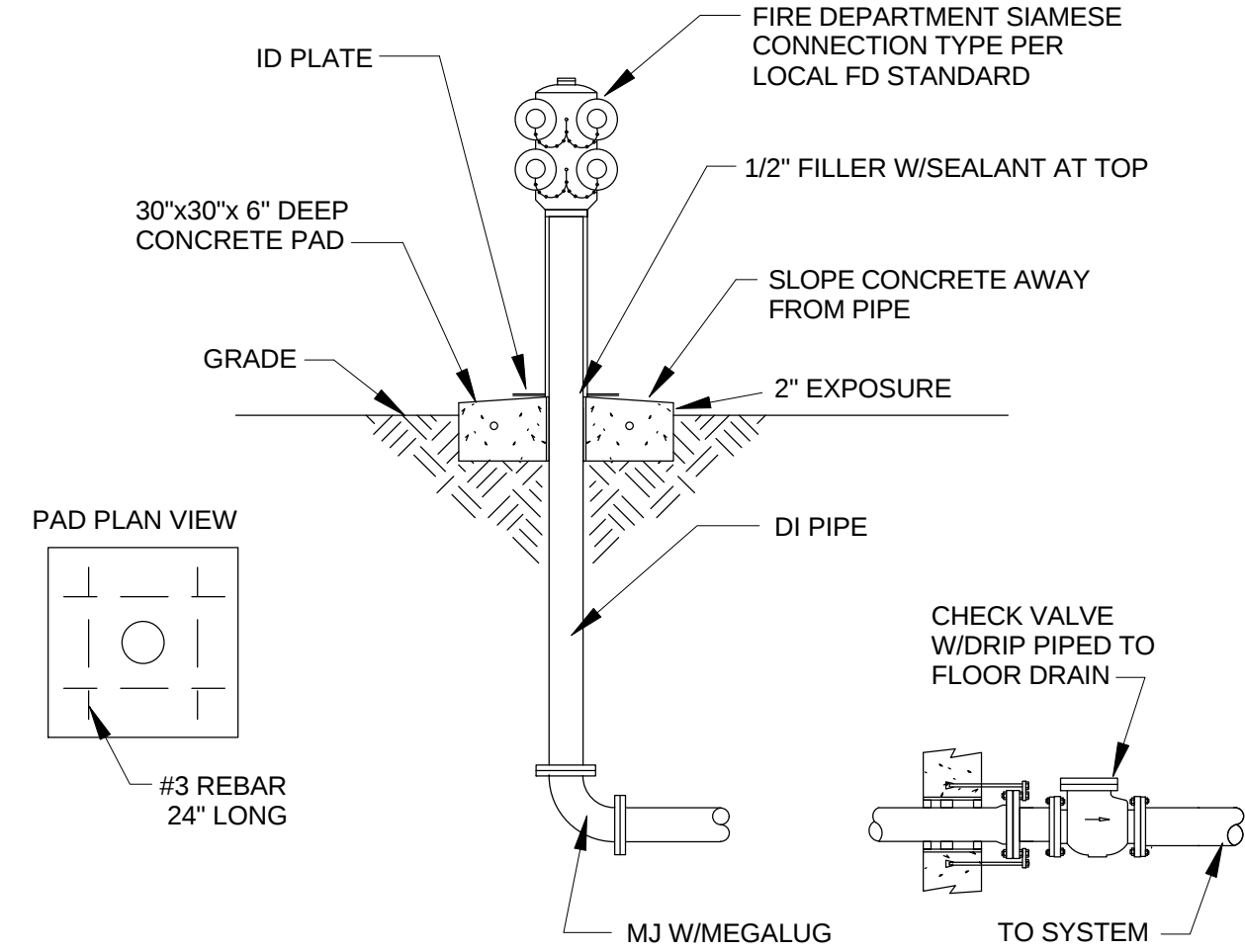
6 ELEVATOR PIT SPRINKLER

SCALE: N.T.S.



7 BACKFLOW PREVENTER ASSEMBLY

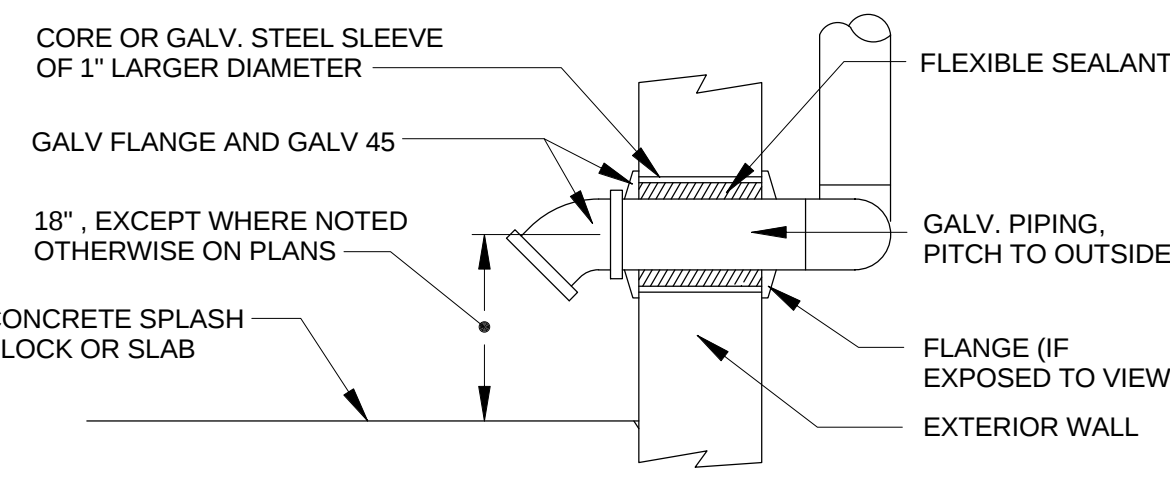
SCALE: N.T.S.



8 SIAMESE CONNECTION

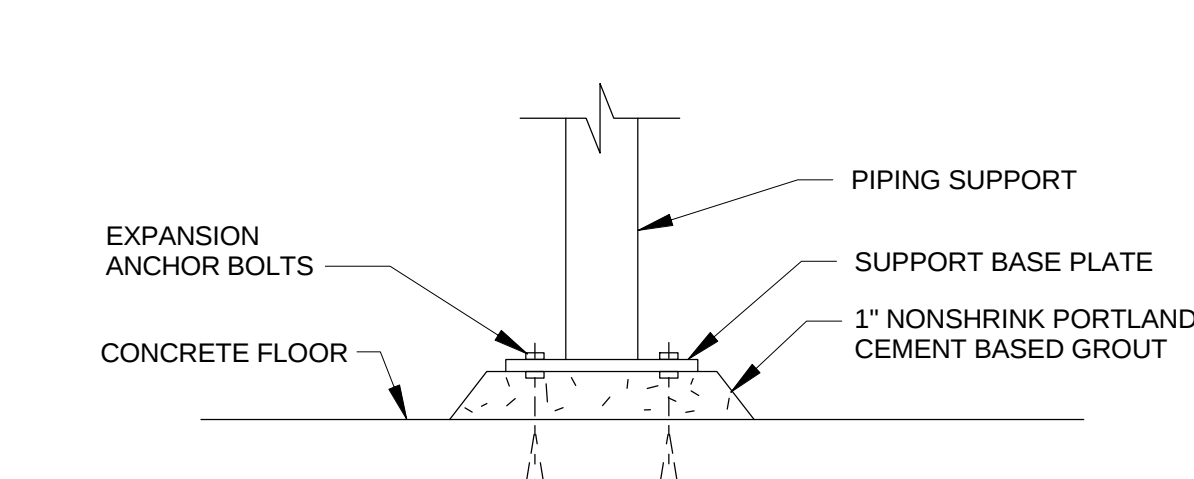
SCALE: N.T.S.

CONTRACTOR NOTE TO DETAIL 7 AND DETAIL 9 ON THIS SHEET:
THE 2" MAIN DRAIN IS TO DRAIN TO THE EXTERIOR OF THE BUILDING. THE DISCHARGE IS TO BE LOCATED AND DIRECTED TO ALLOW THE RUN-OFF AWAY FROM THE BUILDING. CONSIDERATION IS TO BE GIVEN TO PREVENT GROUND EROSION OR DAMAGE TO THE SURROUNDING AREA BY USE OF A CONCRETE SPLASH BLOCK, SLAB OR OTHER ACCEPTABLE MEANS. COORDINATE LOCATION OF THE DRAIN WITH THE ARCHITECT, CIVIL ENGINEER, LANDSCAPE ARCHITECT AND OTHER BUILDING TRADES ON THIS PROJECT.



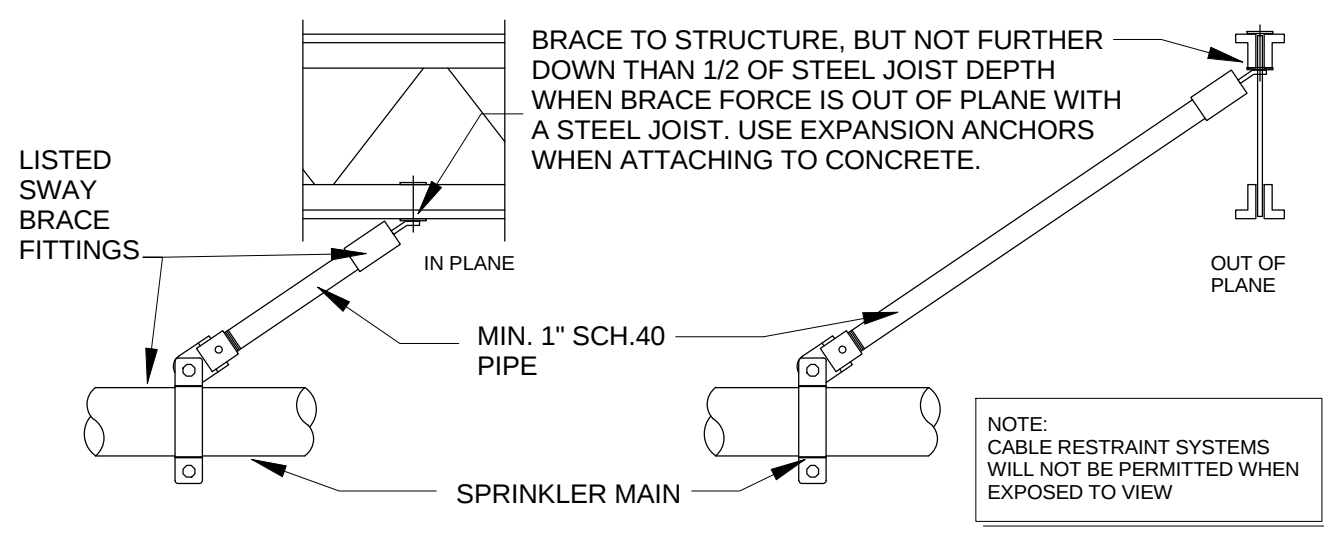
9 "MAIN DRAIN" TEST DISCHARGE THROUGH EXTERIOR WALL

SCALE: N.T.S.



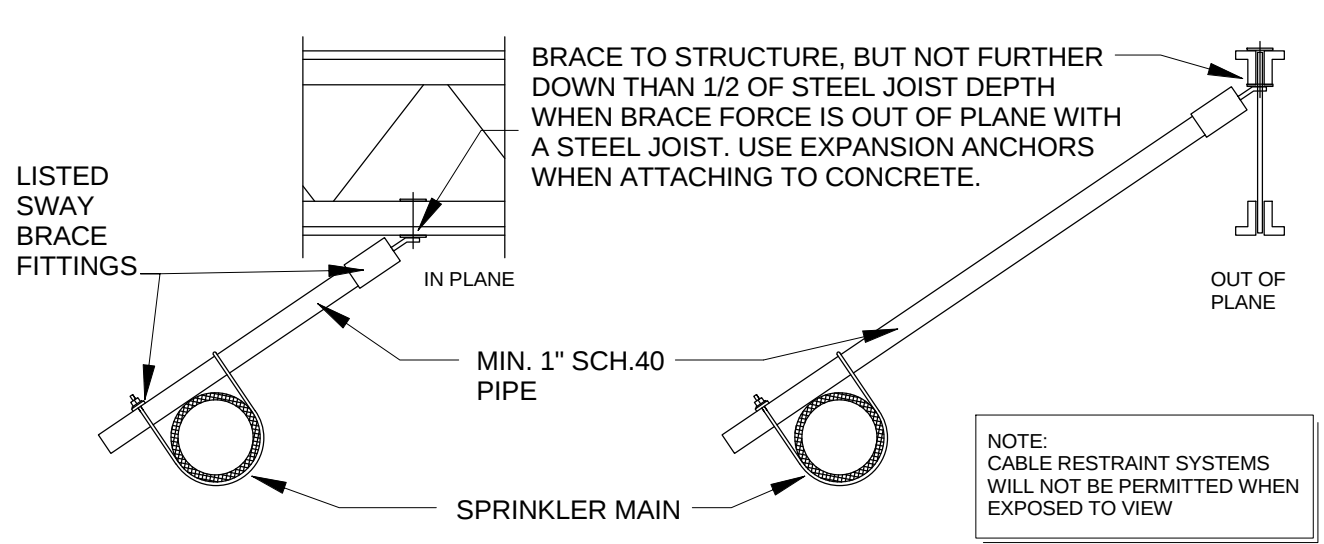
10 PIPING SUPPORT BASE DETAIL

SCALE: N.T.S.



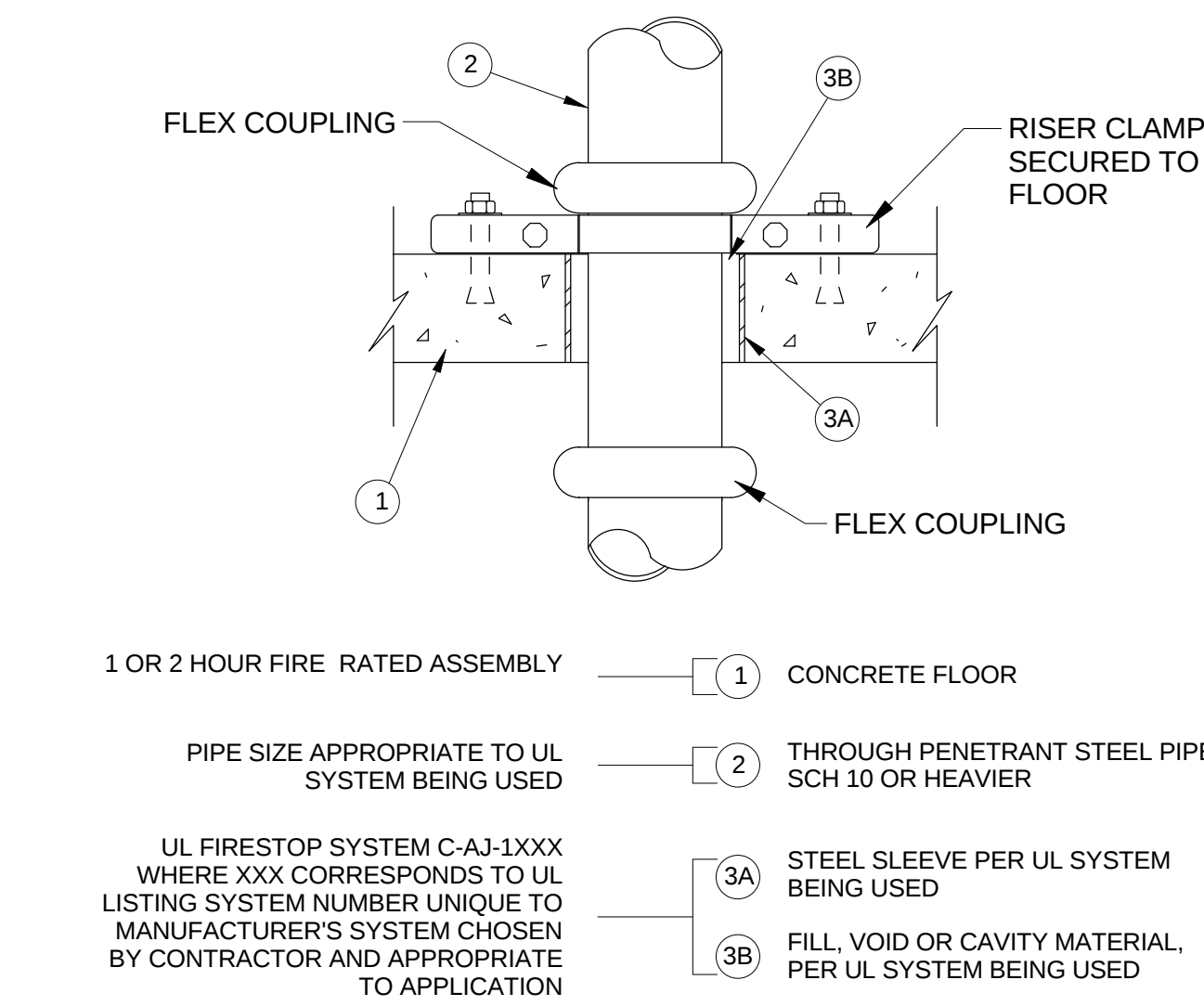
11 LONGITUDINAL SWAY BRACE DETAIL

SCALE: N.T.S.



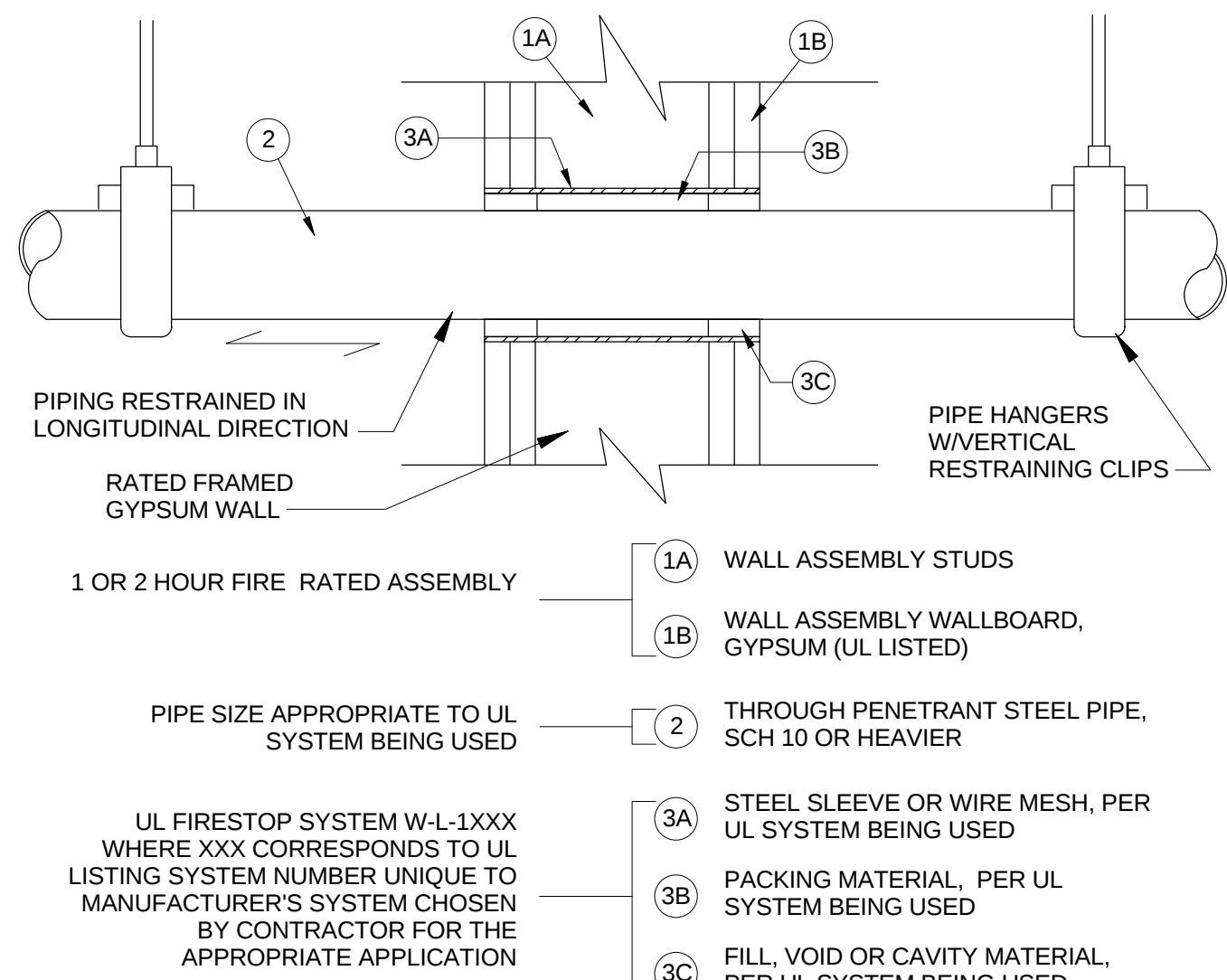
12 LATERAL SWAY BRACE CETAIL

SCALE: N.T.S.



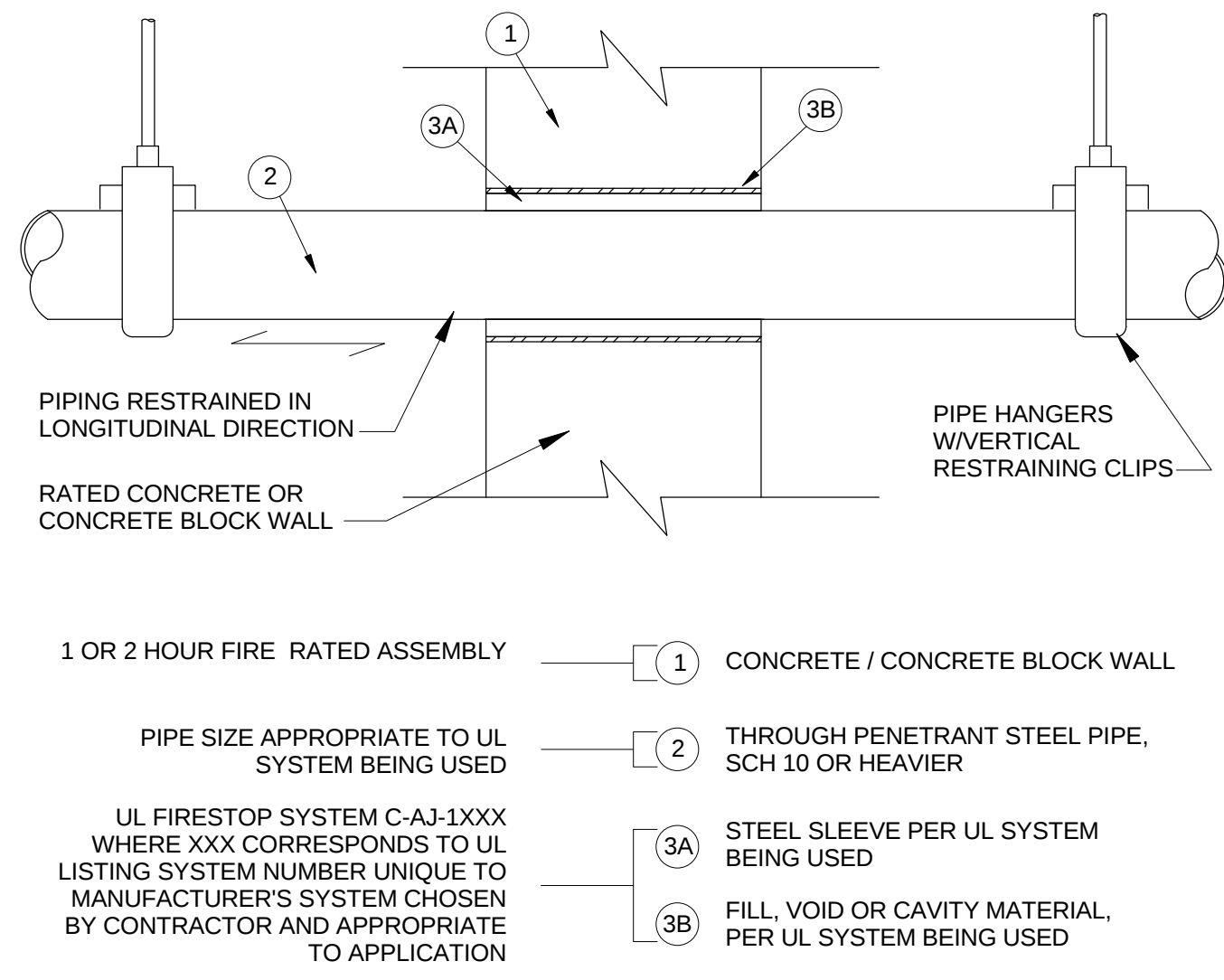
13 UL FIRESTOP SYSTEM C-AJ-1xxx 1 OR 2 HOUR, THROUGH-PENETRATION SYSTEM XHEZ FOR METALLIC PIPE

SCALE: N.T.S.



14 UL FIRESTOP SYSTEM W-L-1xxx 1 OR 2 HOUR, THROUGH-PENETRATION SYSTEM XHEZ FOR METALLIC PIPE

SCALE: N.T.S.



15 UL FIRESTOP SYSTEM C-AJ-1xxx 1 OR 2 HOUR, THROUGH-PENETRATION SYSTEM XHEZ FOR METALLIC PIPE

SCALE: N.T.S.

3	ASI - 019 (RFI-193,208 & 212)	29 JUL 2016
2	ASI - 002 (RFI - 172)	15 JUL 2016
1	ADDENDUM 2-1	17 MAR 2016
-	ISSUED FOR CONSTRUCTION (BP2)	01 MAR 2016
No.	Description	Date

Drawing Title:

DETAILS - FIRE
PROTECTION

Project No.: 04561.01 Checked by:

FP0501