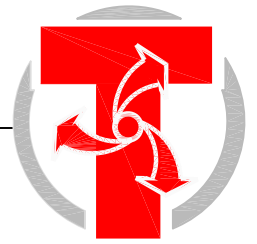


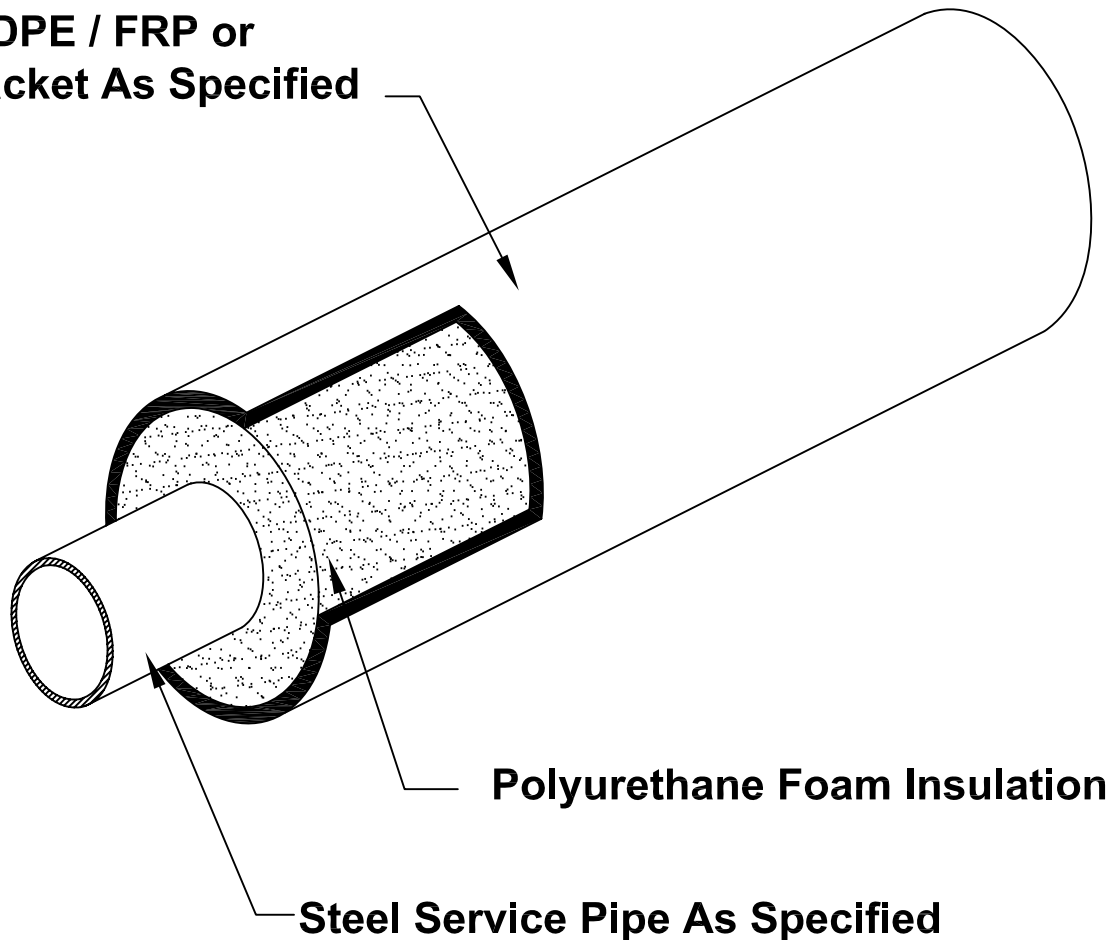
# TRICON STEEL 250 SYSTEM



For Applications Up To 250° F Below And Above Ground

- Chilled Water
- Condensate
- Condenser Water
- Low Pressure Steam
- Heating Hot Water
- Process Piping

**PVC / HDPE / FRP or  
Metal Jacket As Specified**



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**Backfill:**

A 4-inch layer of sand or fine gravel, less than ½" in diameter, shall be placed and tamped in the trench to provide uniform bedding for the **Steel 250** system. Once the system is in place, the trenches shall be carefully backfilled with similar material and hand tamped in 6" layers until a minimum of 12" above the top of the preinsulated pipe has been achieved. The remainder of the backfill shall be void of rocks, frozen earth and foreign material. The trench shall be compacted to comply with H-20 Highway loading.

**Accessories:**

Heat Tracing

**System Options:**

- \* Insulation thickness will vary depending on the type of insulation specified and the operating temperature. Contact your Tricon representative for available sizes and system options.
- \*\* Optional metallic casings for above grade applications include Spiral Lockseam in Galvanized, Aluminum or Stainless Steel.
- \*\* Optional non-metallic casings for below grade offered include, Filament Wound FRP.
- \*\*\* Optional push-on expansion couplings are available upon request.

**Backfill:**

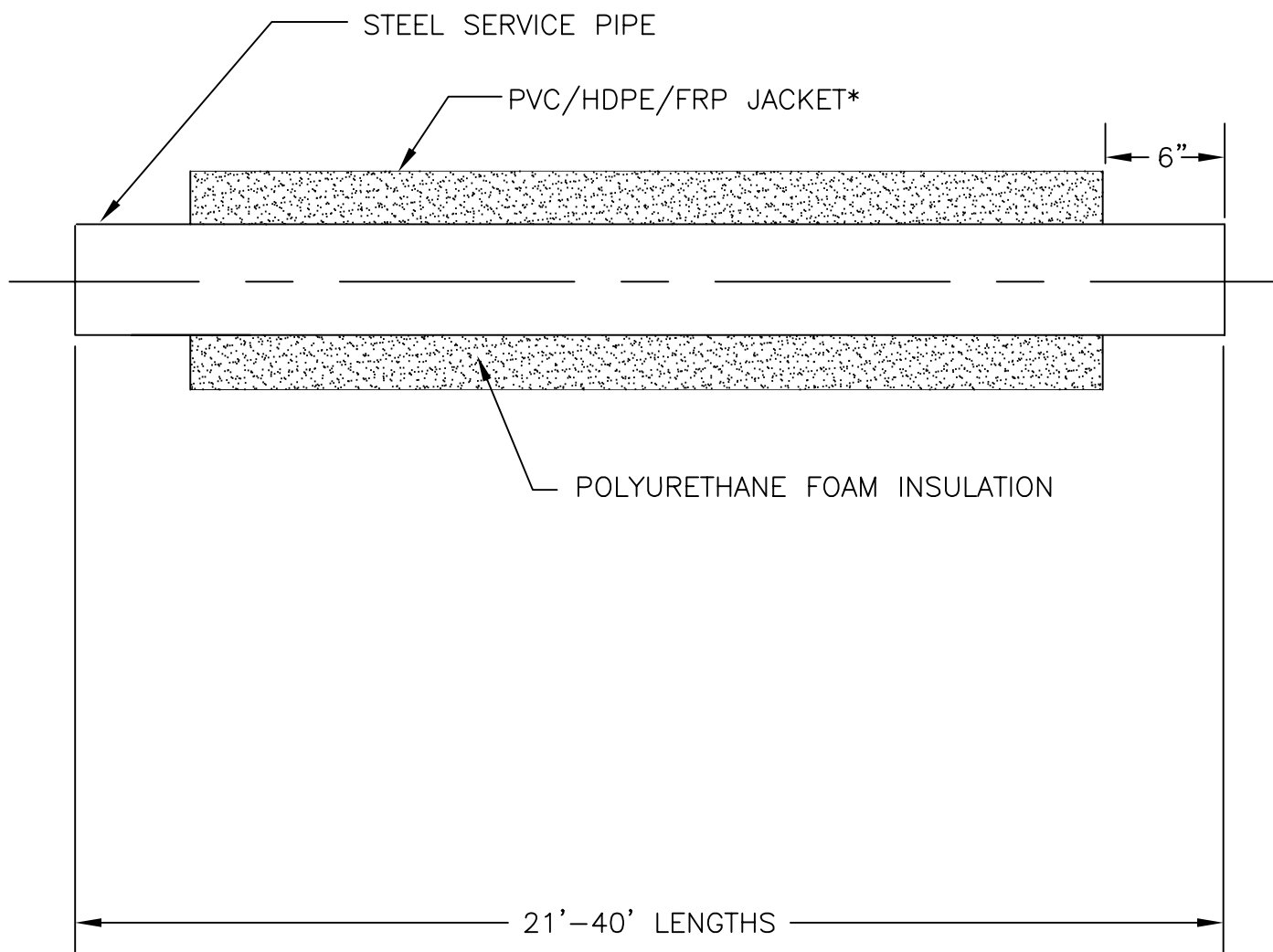
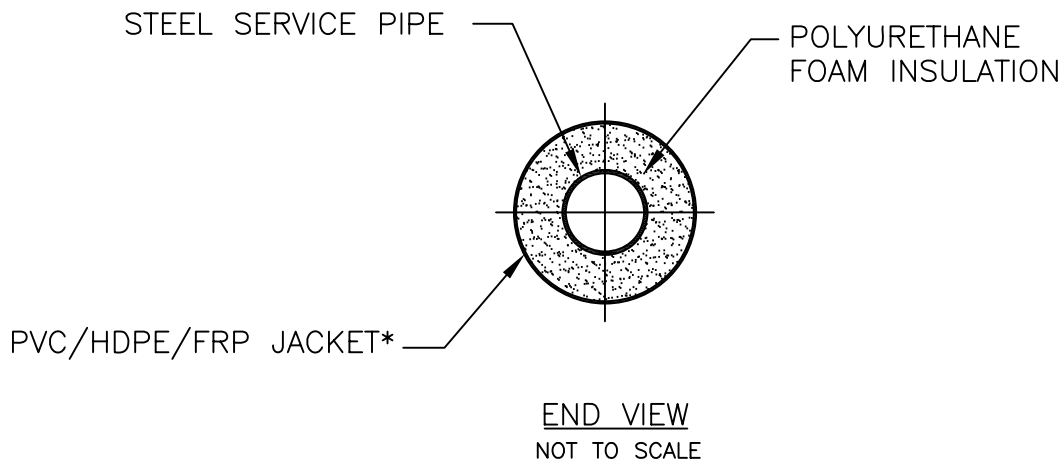
A 4-inch layer of sand or fine gravel shall be placed and tamped in the trench to provide stable and uniform bedding for the piping system. Once the system is in place, the trenches shall be carefully backfilled and hand tamped in 6" layers until a cover of at least 24" from the top of the pipe has been achieved. The first 12" of backfill shall be sand or fine gravel less than 1/2" in diameter. The remainder of the backfill shall be void of rocks, frozen earth and foreign material over 2" in diameter. The trench shall be compacted to comply with H-20 Highway loading.

**Accessories:**

Heat Tracing

**System Options:**

- \* Insulation thickness will vary depending on the type of insulation specified and the operating temperature. Contact your Tricon representative for available sizes and system options.
- \*\* Optional metallic casings for above grade applications include Spiral Lockseam in Galvanized, Aluminum or Stainless Steel.
- \*\* Optional non-metallic casings for below grade offered include, Filament Wound FRP.



\*OPTIONAL METAL JACKET AVAILABLE FOR ABOVE GRADE APPLICATION.

STEEL 250 STRAIGHT LENGTH DETAIL

TRICON STEEL 250

Date: 03/09/06

Dwg. No.: S250-1

Rev.:

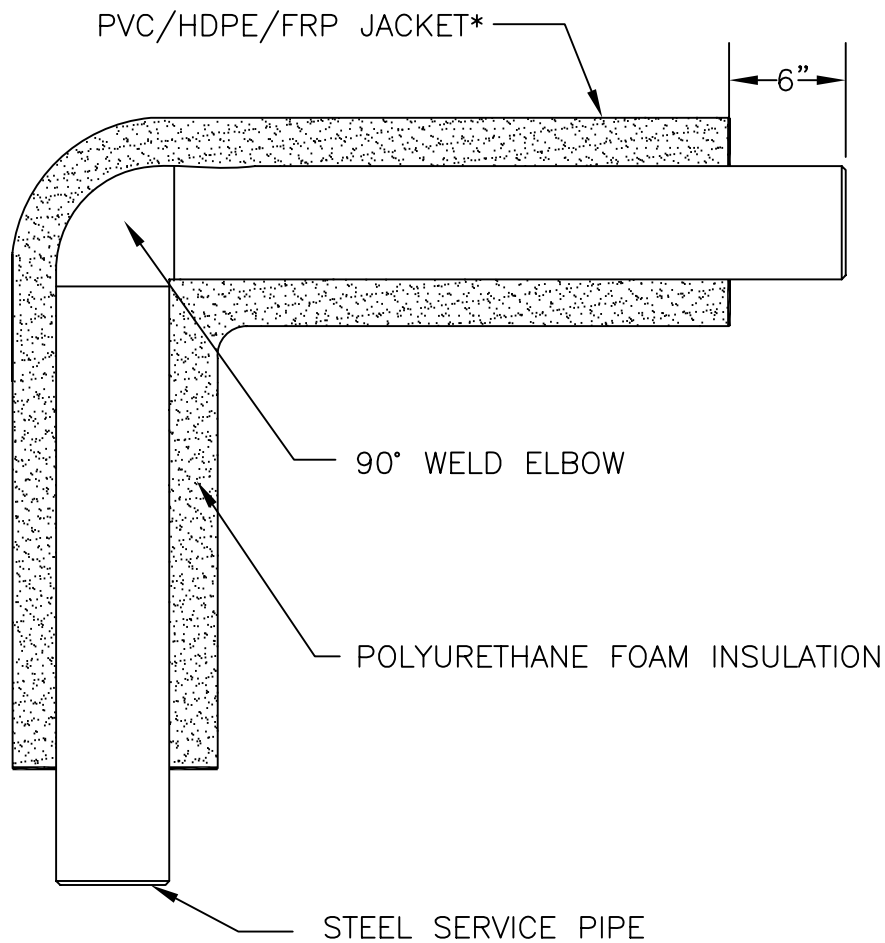
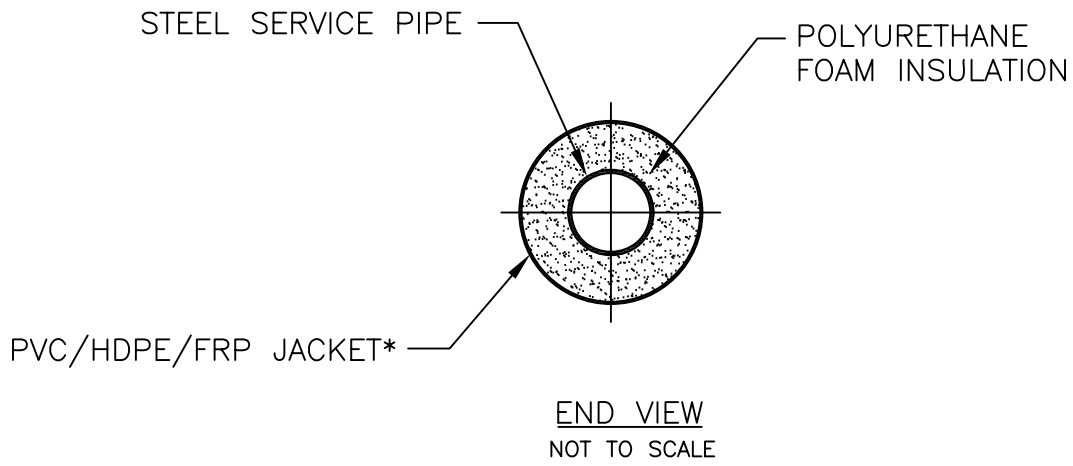


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\*OPTIONAL METAL JACKET AVAILABLE FOR ABOVE GRADE APPLICATION.

STEEL 250 PREFABRICATED 90° ELBOW DETAIL

TRICON STEEL 250

Date: 03/09/06

Dwg. No.: S250-2

Rev.:

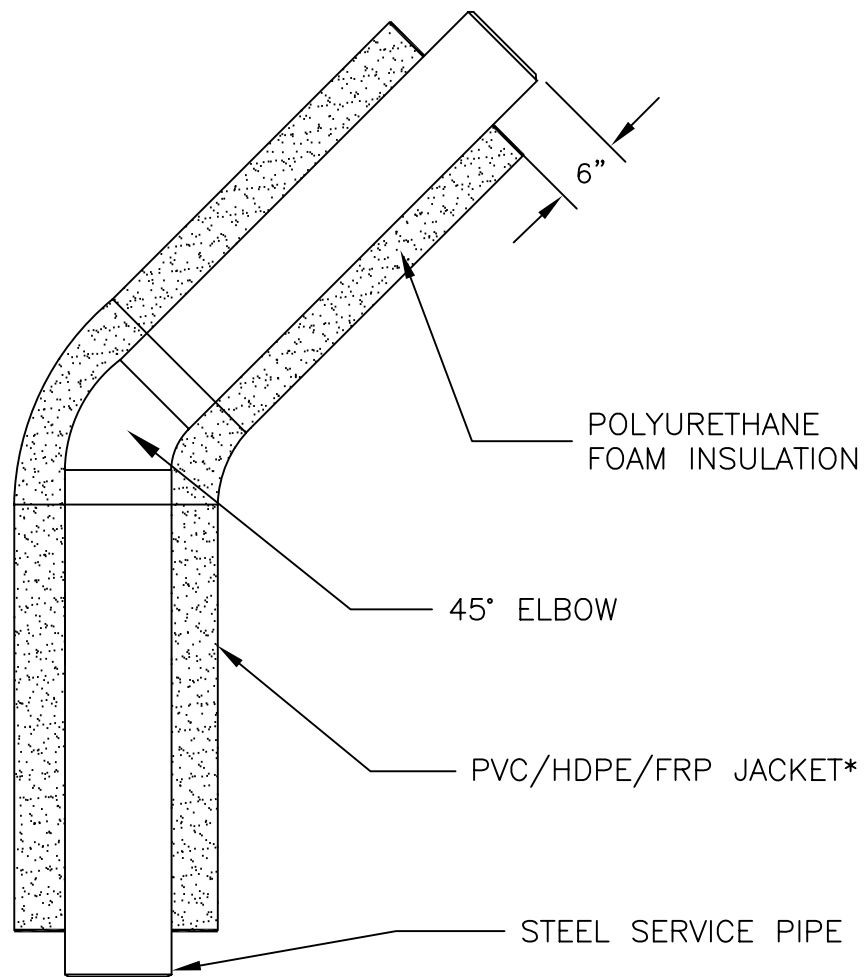
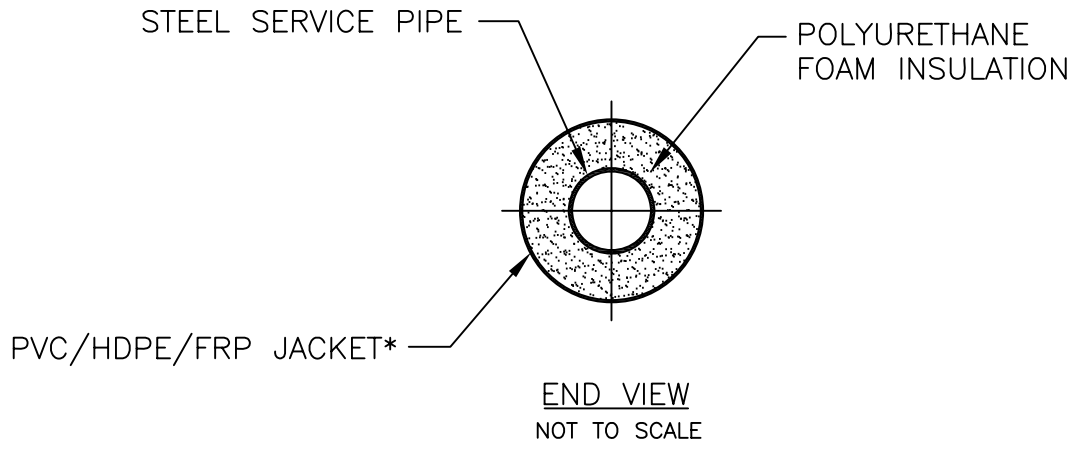


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\*OPTIONAL METAL JACKET AVAILABLE FOR ABOVE GRADE APPLICATION.

STEEL 250 PREFABRICATED 45° ELBOW DETAIL

TRICON STEEL-250

Date: 03/09/06

Dwg. No.: S250-3

Rev.:

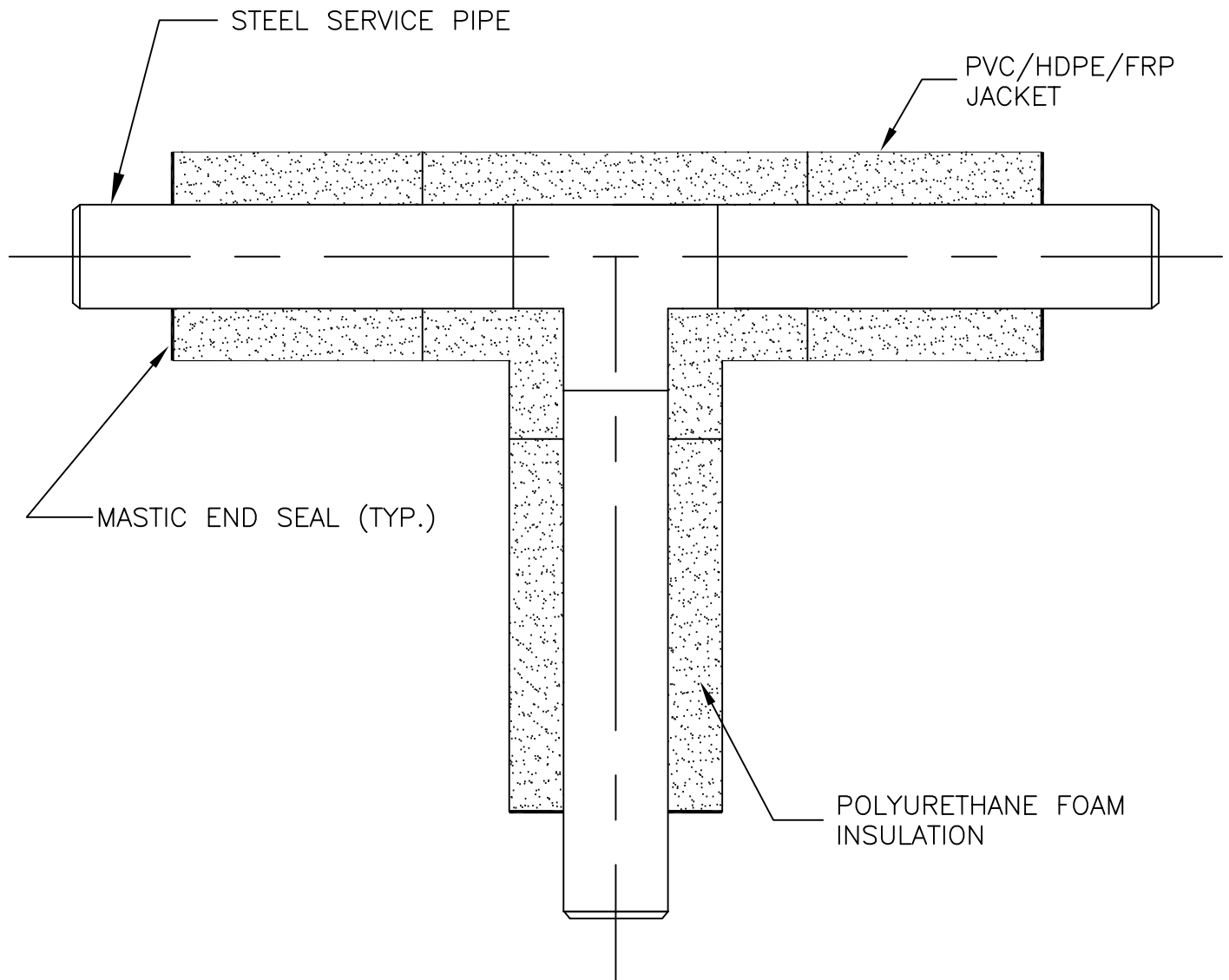
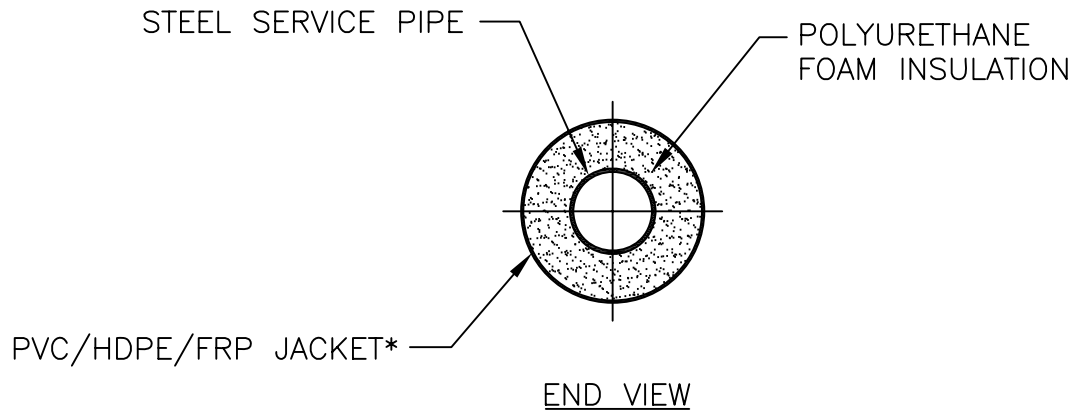


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\* OPTIONAL METAL JACKET AVAILABLE FOR ABOVE GRADE APPLICATION.

STEEL 250 PREFABRICATED TEE DETAIL

TRICON STEEL-250

Date: 03/09/06

Dwg. No.: S250-4

Rev.:



**TRICON**

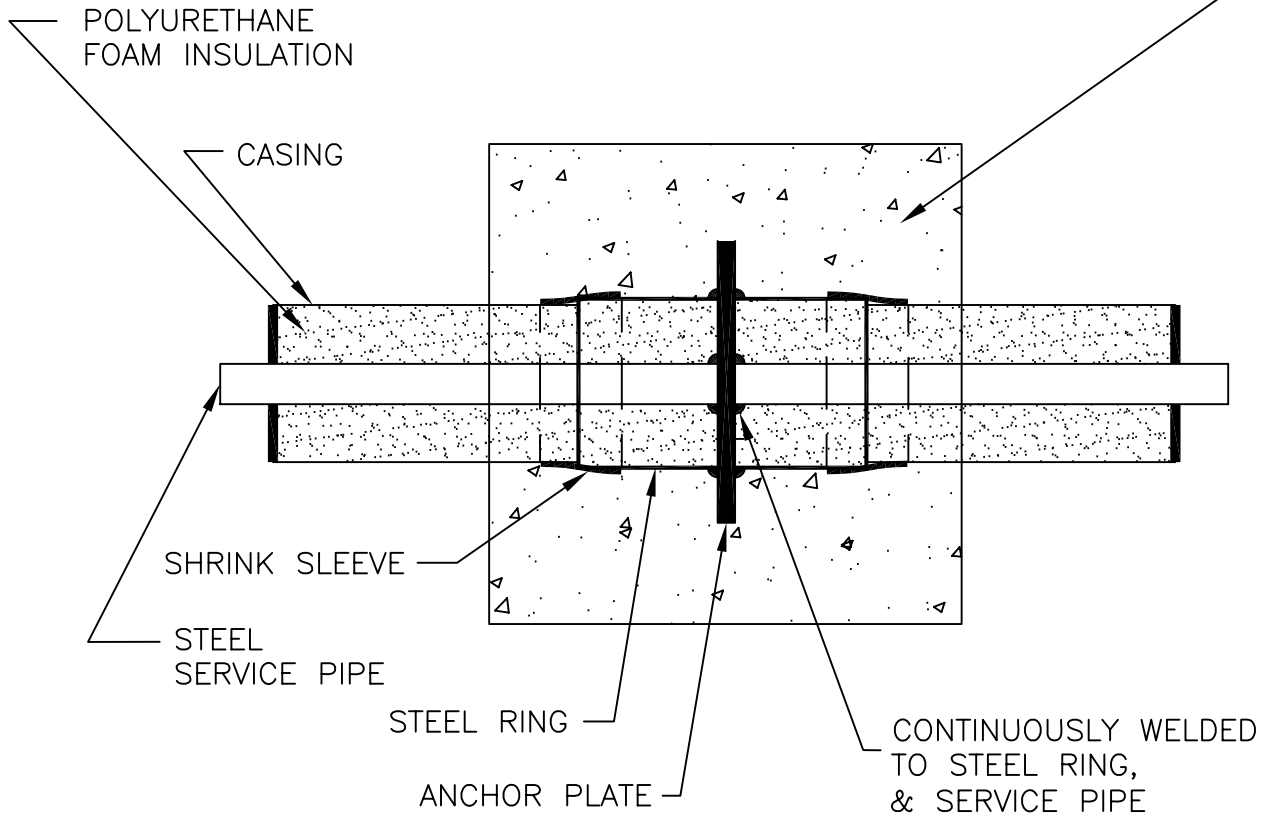
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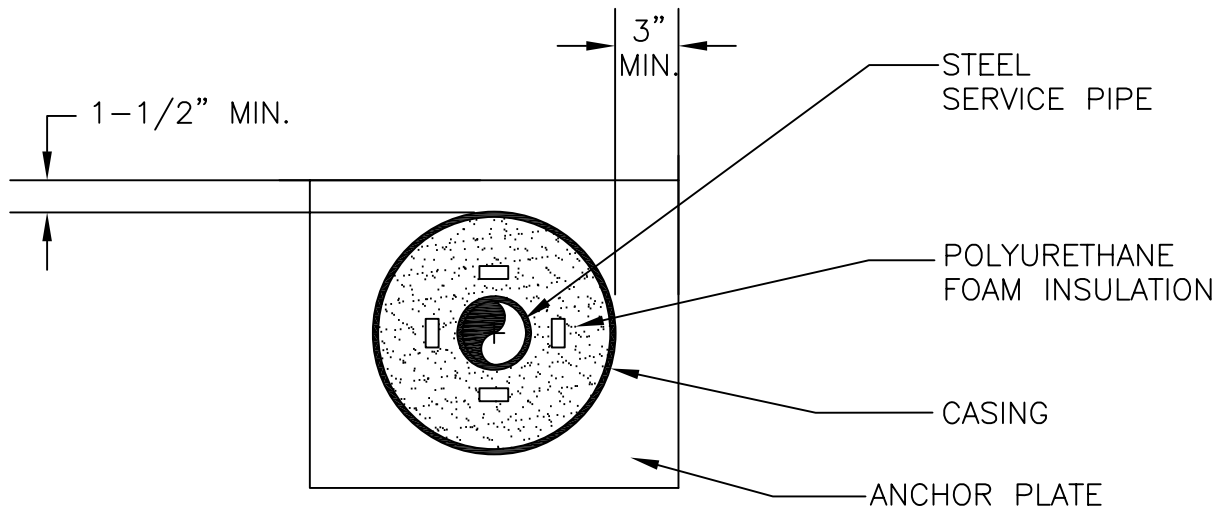
Tel: 315.697.8787 Fax: 315.697.8788



CONCRETE ANCHOR BLOCK MUST BE KEYPED INTO UNDISTURBED EARTH



SIDE VIEW  
NOT TO SCALE



END VIEW  
NOT TO SCALE

STEEL 250 SQUARE ANCHOR DETAIL

TRICON STEEL 250

Date: 03/09/06

Dwg. No.: S250-5A

Rev.:



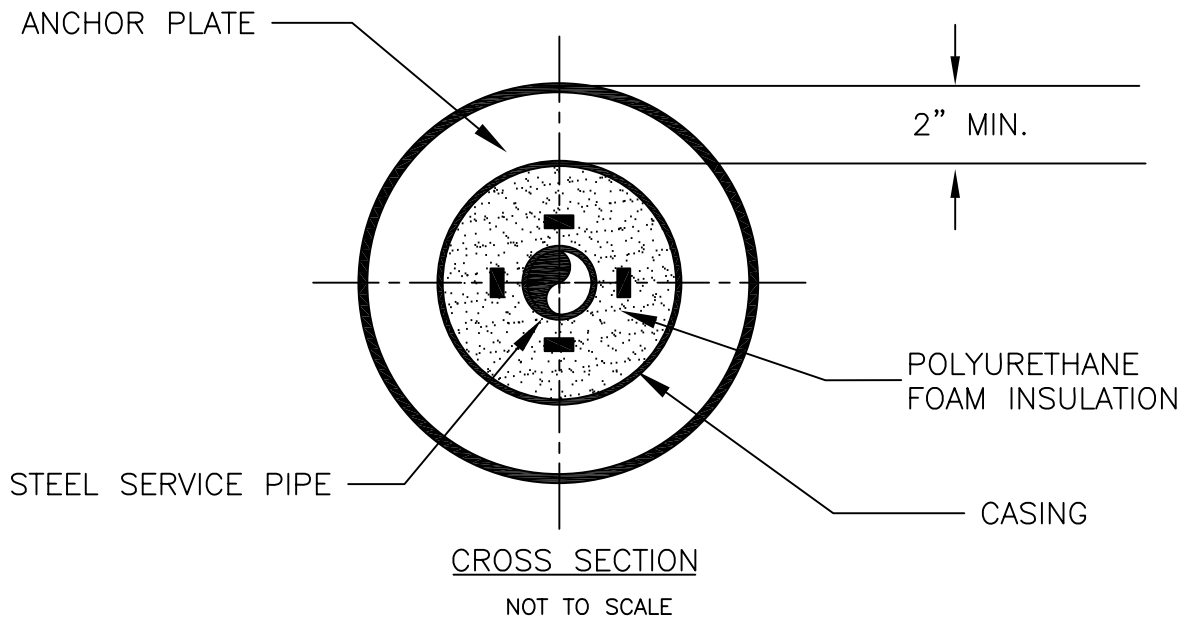
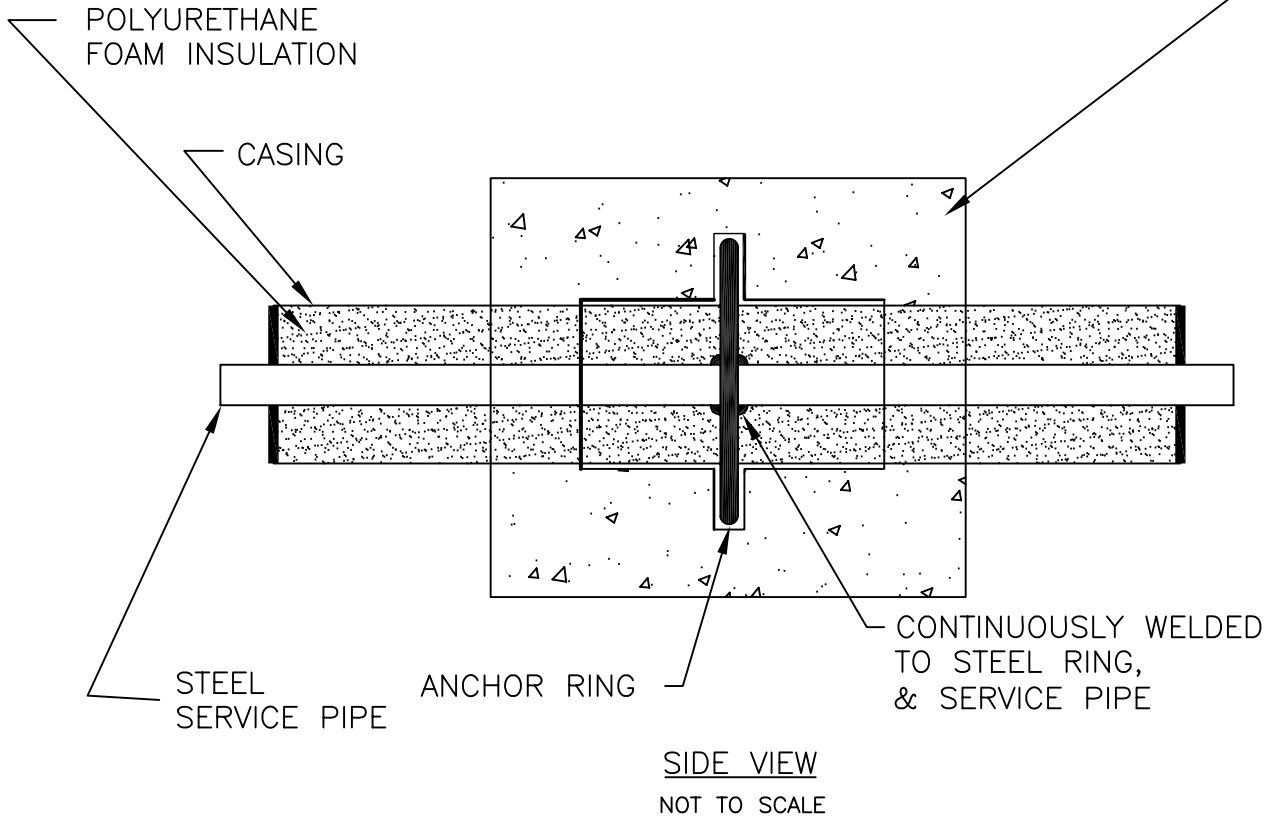
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NOTE: ANCHOR BLOCK MUST BE KEYED INTO UNDISTURBED EARTH



STEEL 250 ROUND ANCHOR DETAIL



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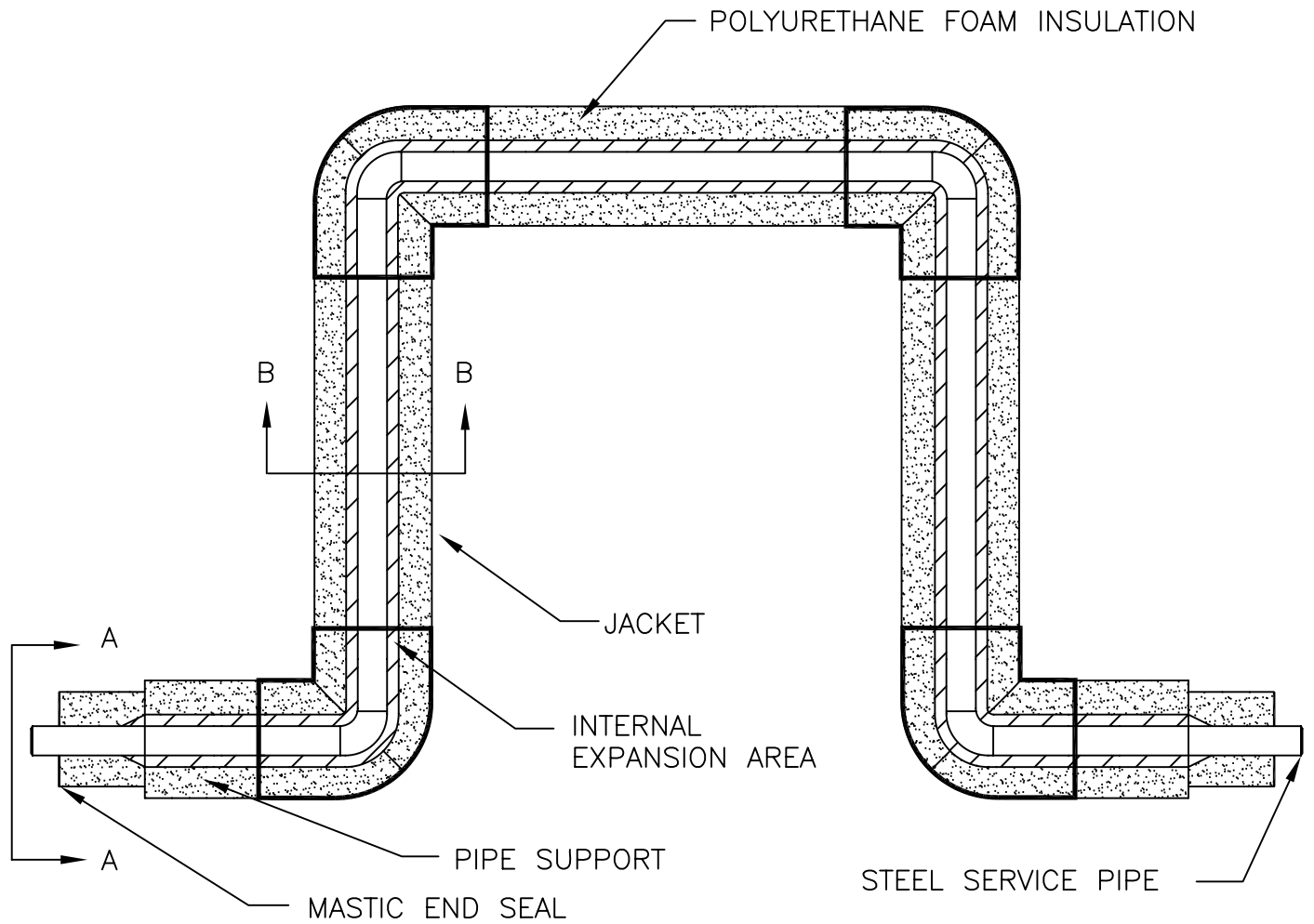
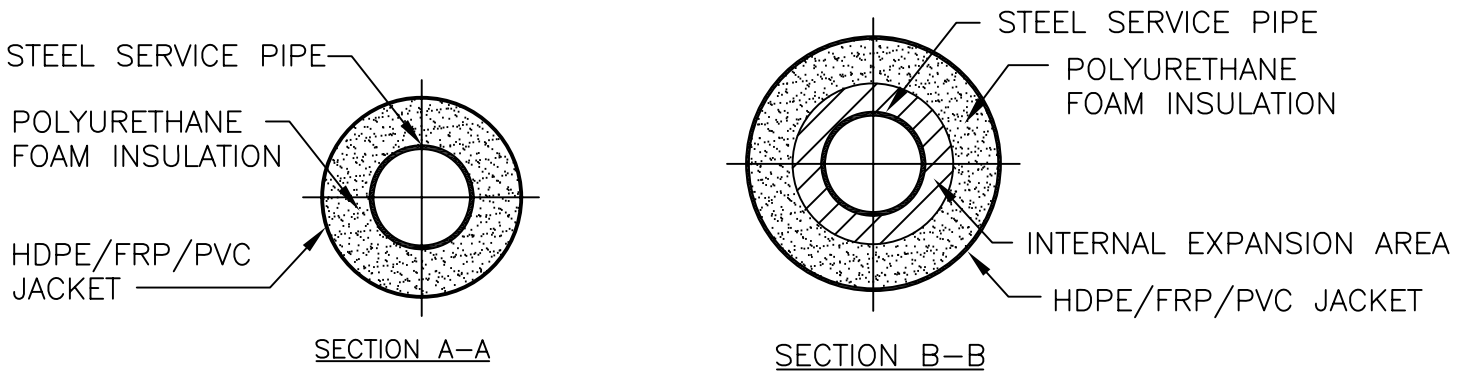
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TRICON STEEL 250

Date: 03/09/06

Dwg. No.: S250-5B

Rev.:



STEEL 250 EXPANSION LOOP DETAIL WITH  
INTERNAL EXPANSION

TRICON STEEL 250

Date: 03/09/06

Dwg. No. S250-6

Rev.:

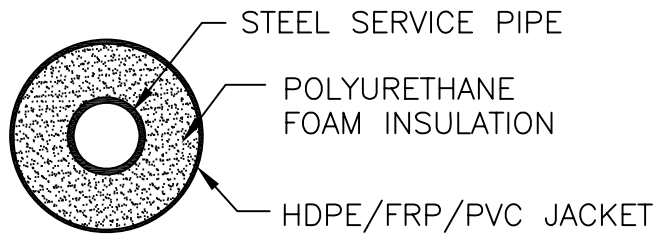


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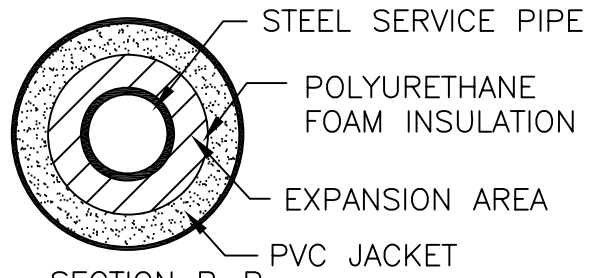
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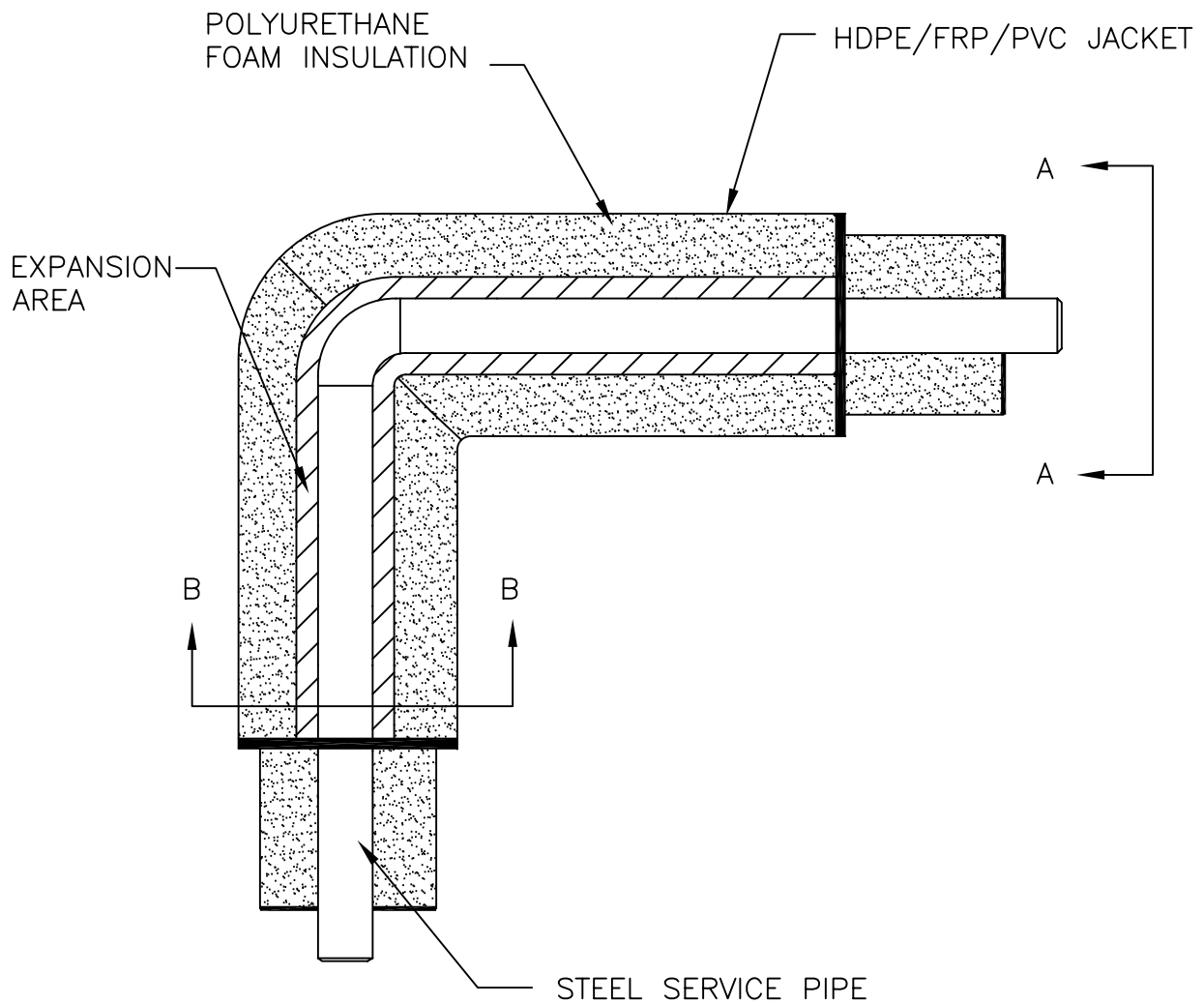
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SECTION A-A



SECTION B-B



STEEL 250 EXPANSION 90° ELBOW DETAIL WITH INTERNAL EXPANSION

TRICON STEEL 250

Date: 03/09/06

Dwg. No. S250-6A

Rev.:

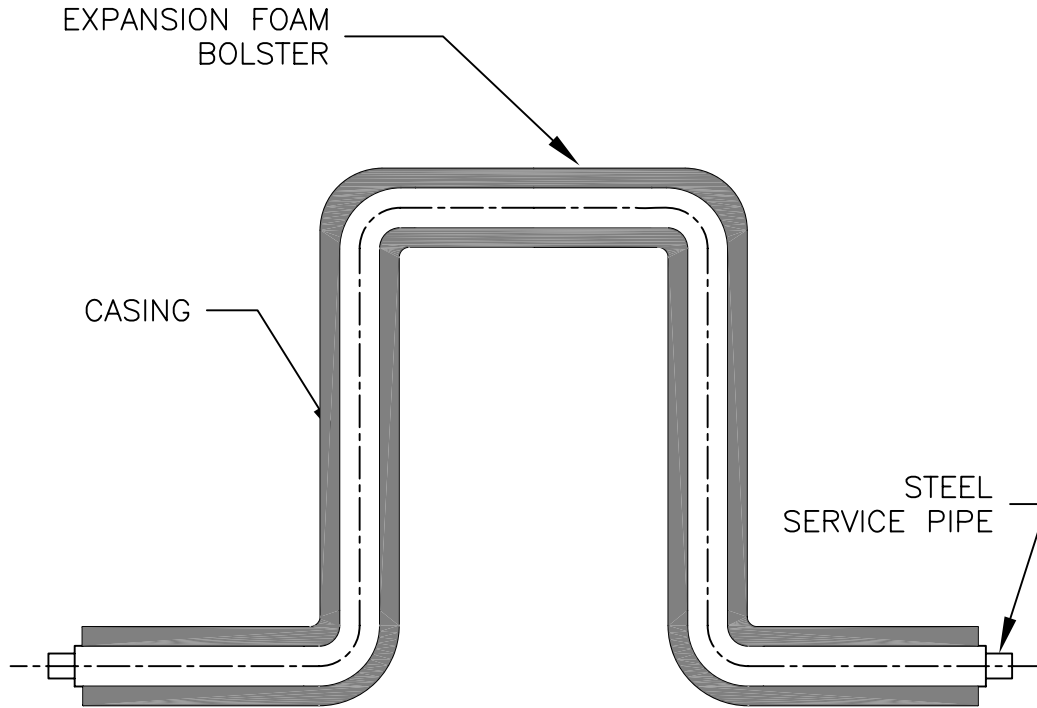


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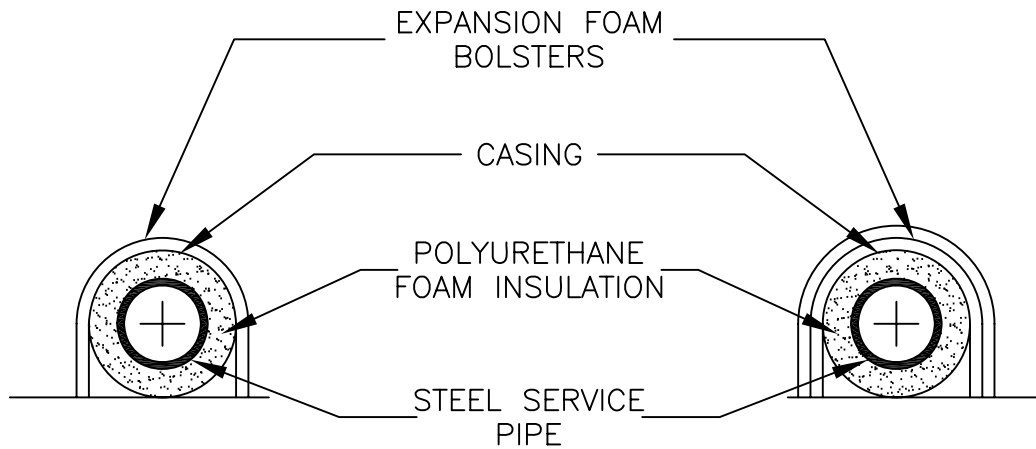
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1. EXPANSION PADDING MATERIAL IS SUPPLIED IN PRECUT LENGTHS AND WIDTHS.
2. WRAP PADDING AROUND THE JACKET FOR A SNUG FIT.  
HOLD IN PLACE WITH BEDDING SAND.



1 LAYER CROSS SECTION

2 LAYER CROSS SECTION

STEEL 250 EXPANSION LOOP DETAIL WITH  
EXTERNAL EXPANSION PADDING

TRICON STEEL 250

Date: 03/09/06

Dwg. No.: S250-7

Rev.:

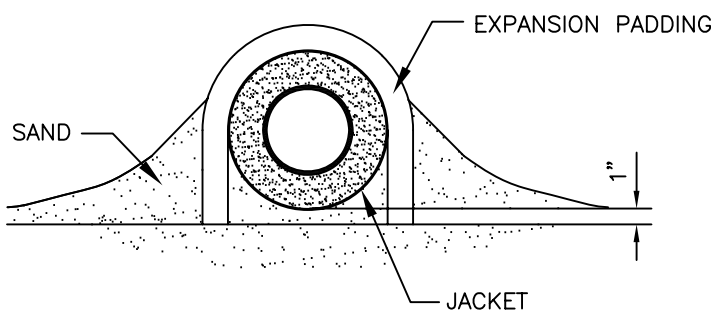
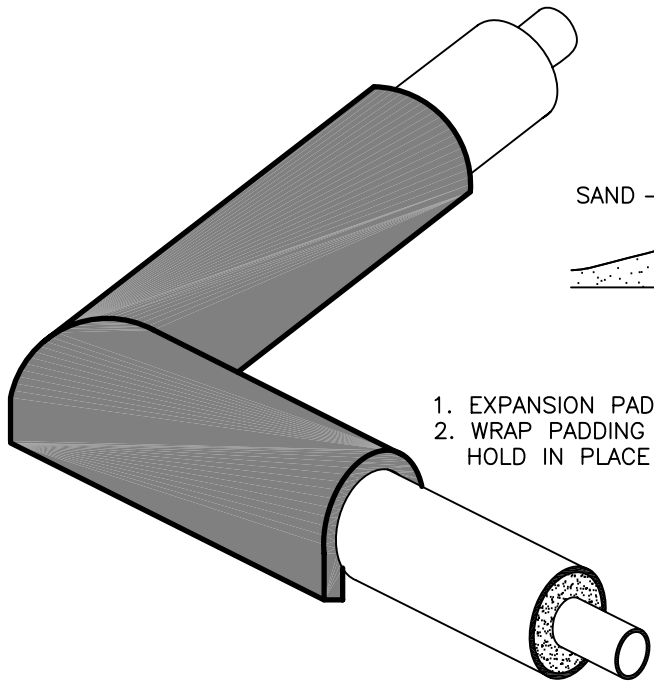


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1. EXPANSION PADDING MATERIAL IS SUPPLIED IN PRECUT LENGTHS AND WIDTHS.
2. WRAP PADDING AROUND THE JACKET FOR A SNUG FIT. HOLD IN PLACE WITH BEDDING SAND.

PROCEDURE

1. EXPANSION PADDING MATERIAL IS SUPPLIED IN PRECUT SIZES
2. WRAP PADDING AROUND THE JACKET FOR A SNUG FIT.

**MAKE SURE TO COVER 90° ELBOW COMPLETELY.**

HOLD IN PLACE WITH BEDDING SAND.

LOCATION	LENGTH OF PRECUT PADDING REQUIRED IN FEET, ON EACH SIDE OF ELBOW.		
	FIRST LEG	SECOND LEG	THIRD LEG

STEEL 250 EXPANSION 90° ELBOW DETAIL WITH EXTERNAL EXPANSION PADDING

TRICON STEEL 250

Date: 03/09/06

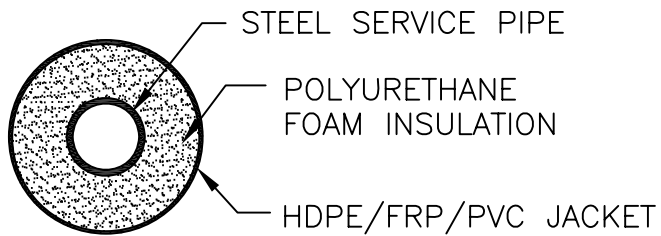
Dwg. No.: S250-7A

Rev.:

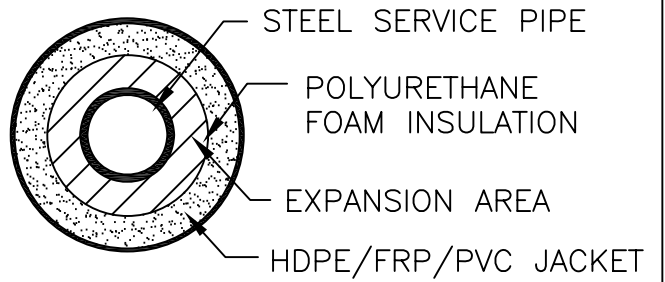


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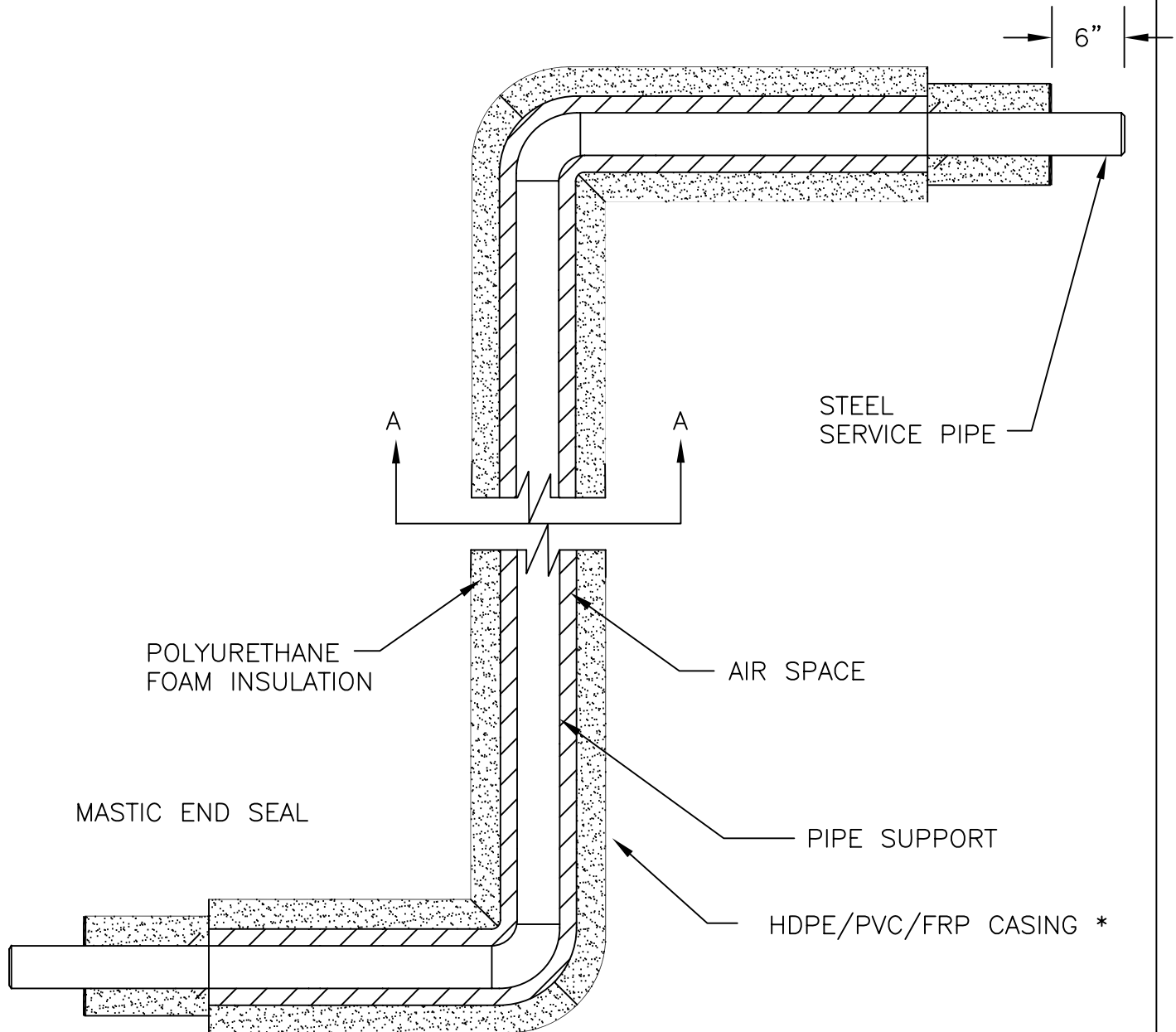
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SECTION A-A



SECTION B-B



TRICON STEEL-250 EXPANSION "Z" BEND

\* CONSULT MANUFACTURER FOR ADDITIONAL CASINGS

STEEL 250 EXPANSION "ZEE" BEND DETAIL WITH INTERNAL EXPANSION

TRICON STEEL 250

Date: 03/09/06

Dwg. No.: S250-8

Rev.:

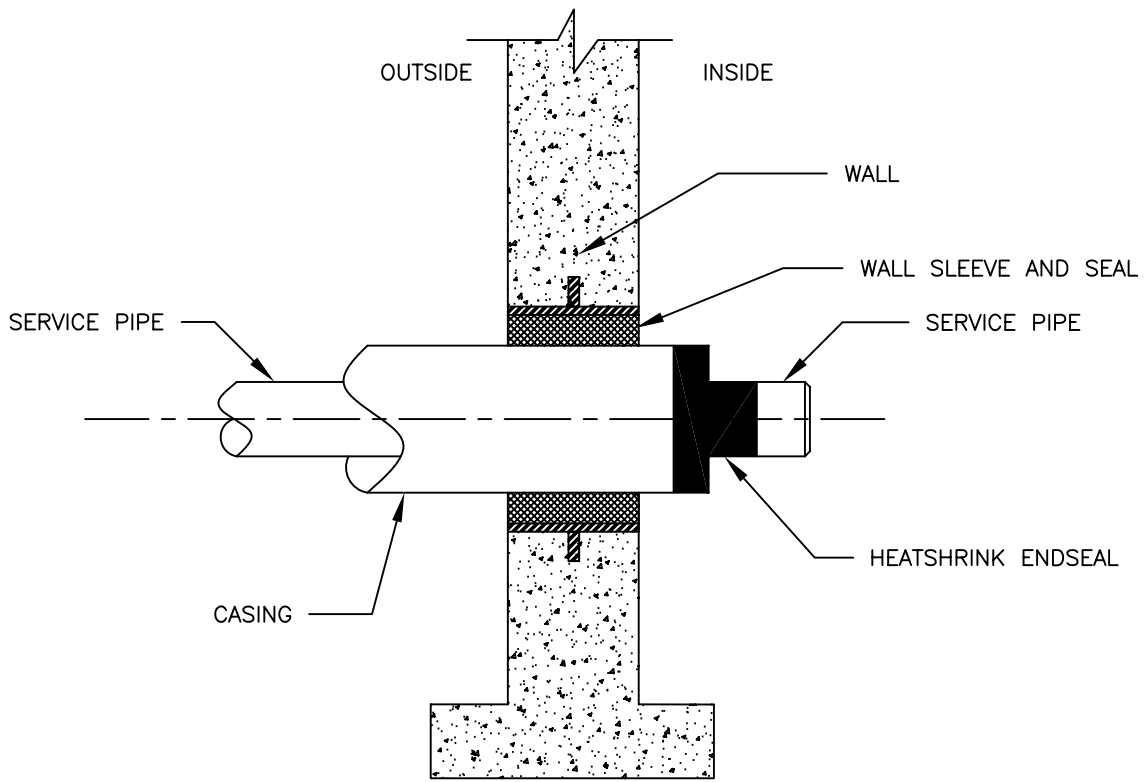


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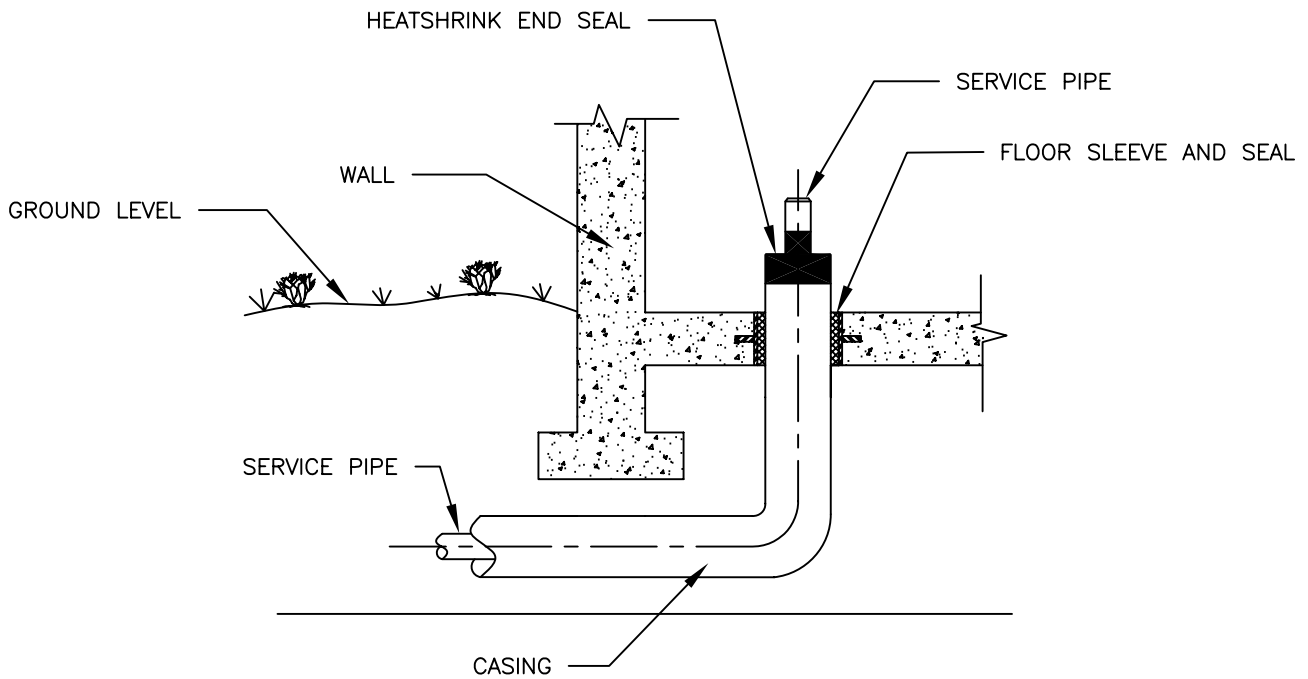
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WALL PENETRATION DETAIL



BUILDING RISER DETAIL

HEATSHRINK END SEAL DETAIL



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TRICON STEEL 250

Date: 03/09/06

Dwg. No.: S250-9

Rev.: