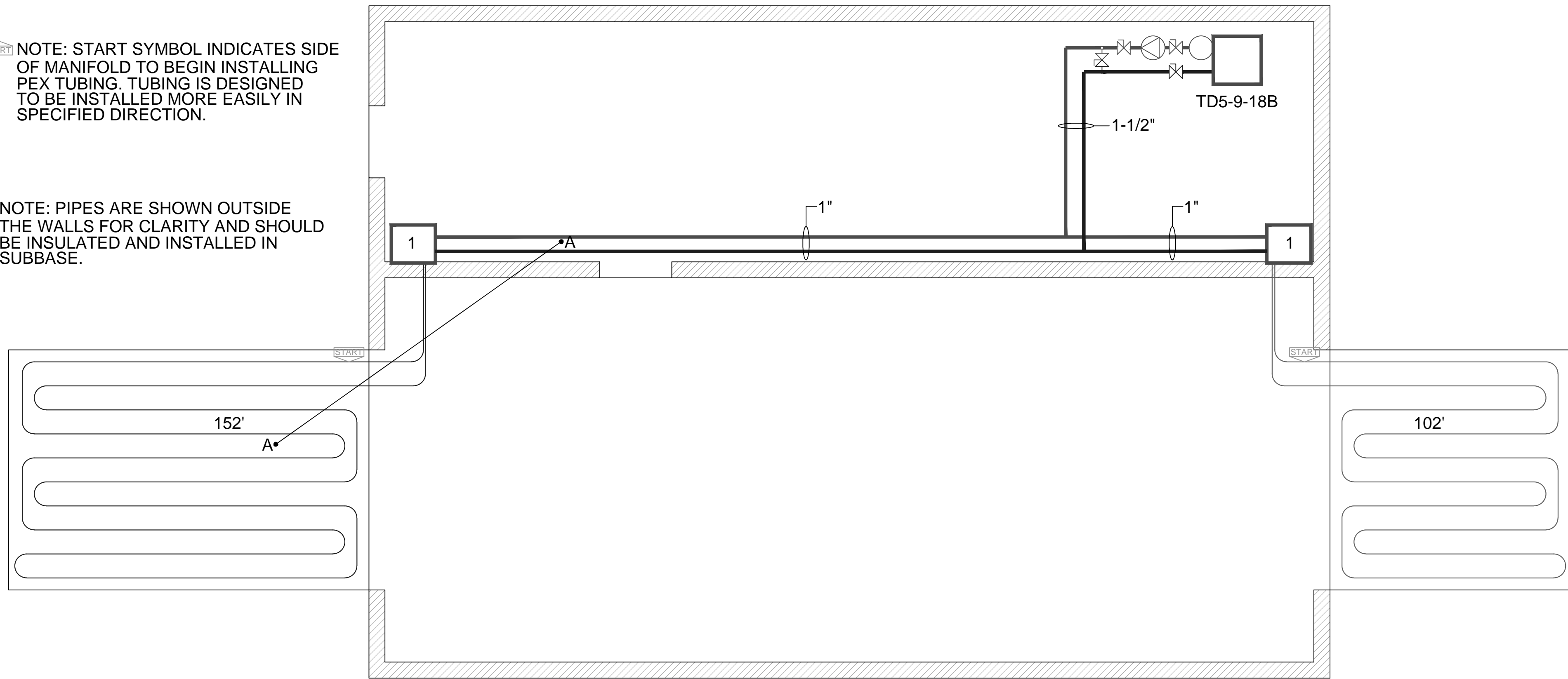


NOTE: START SYMBOL INDICATES SIDE OF MANIFOLD TO BEGIN INSTALLING PEX TUBING. TUBING IS DESIGNED TO BE INSTALLED MORE EASILY IN SPECIFIED DIRECTION.

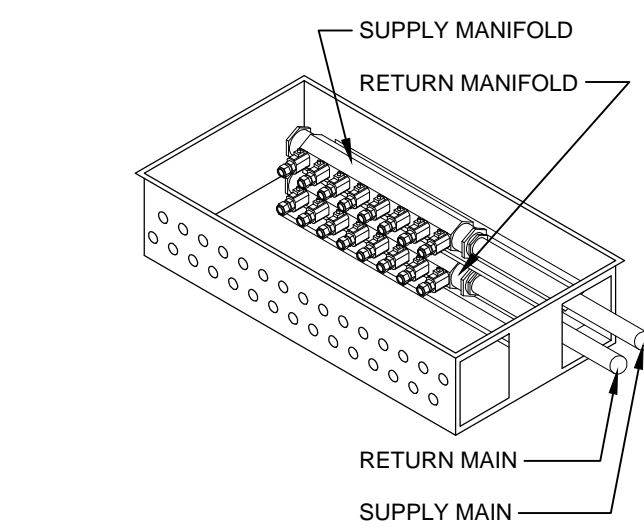
NOTE: PIPES ARE SHOWN OUTSIDE THE WALLS FOR CLARITY AND SHOULD BE INSULATED AND INSTALLED IN SUBBASE.



TUBE CUTTING SCHEDULE

ROLL # 1 1/2" X 400' 152' - 102'

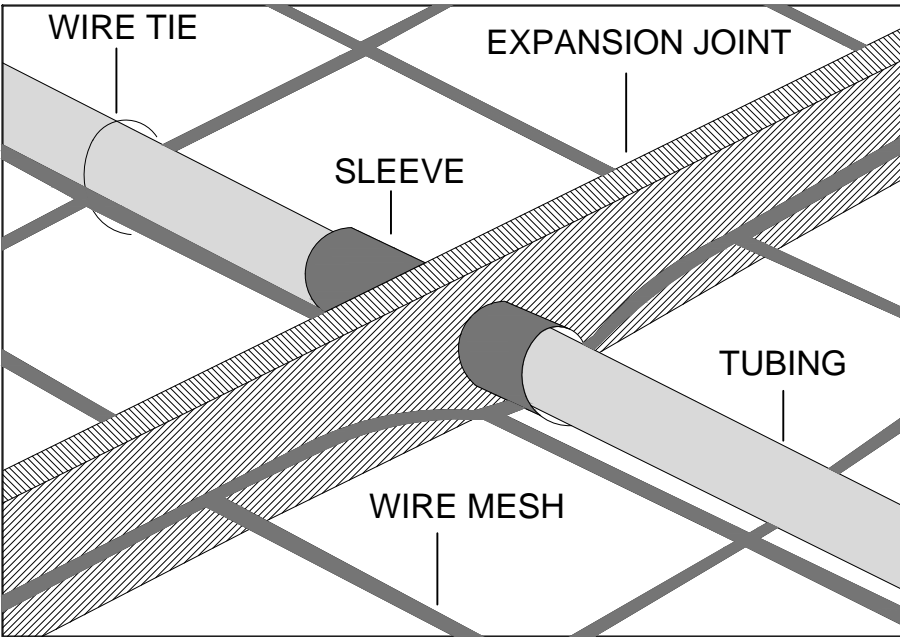
MANIFOLD DETAIL - EXAMPLE



UNION INSTALLATION INSTRUCTIONS

1. Insert the tubing into the PROPAK tube fitting. Make sure the tubing rests firmly on the shoulder of the fitting and the nut is finger tight.
2. Before tightening the PROPAK nut, scribe the nut at the 6 o'clock position.
3. While holding the fitting body steady with a back-up wrench, tighten the nut 1-1/4 turns. Watch the scribe mark, make one complete revolution and continue to the 9 o'clock position.

EXPANSION JOINT DETAIL



INSTALLATION EQUIPMENT LIST

SLAB AREA: 250 SQ. FT.		
QTY	PART NUMBER	DESCRIPTION
1	IP0100	INSTALLATION PARTS PACKAGE
4	PPRM01	MANIFOLD-ALUMINUM 1 RUN RETURN
2	008857	MANIFOLD BOX KIT- 6 RUN, 19" X 22"
2	0088571	MANIFOLD BOX COVER - SMALL
1	PPX05CB4	TUBING - 1/2" X 400' THERM BAR HEATFLEX
200	806018	TIE WIRE - 16 GAUGE X 6"
2	B-1010-6	UNION - 5/8" OD COMPRESSION

RECOMMENDED BOILER & PUMP SIZE:

TD5-9-18B TD PROPAK BOILER
UPS 43-100 SP2 GRUNDFOS PUMP

NOTES:

- 1 Flow rate 20.0 GPM /Total headloss 19.8 FT.
- 2 System volume 13.4 GAL. (50/50 ETH/GLY Solution)
- 3 See de-icing installation instructions for layout details.
- 4 System by-pass valve must be installed.
- 5 All piping from boiler to manifolds, supplied by others.
- 6 Slabstat location A-A optional. Position slabstat to the north.
- 7 5/8" X 9' slabstat tube, supplied by others.
- 8 Due to unforeseen conditions at time of installation, runs may vary from given length.
(Lay plastic tubing before cutting from roll)
(12" centers 6" max from sides & drains)
- 9 NOT RESPONSIBLE FOR SYSTEM OPERATION IF NOT INSTALLED AS SHOWN ON PRINT.

PROPAK
ENERGY EFFICIENT HEATING
HURON VALLEY SALES
6032 SCHOONER ST
BELLEVILLE, MI 48111
PH: 734-944-5200 FX: 734-944-5800

TITLE
MARK VII EQUIPMENT
CIRCLE K
COLORADO SPRINGS, CO
AUTO APRONS

SCALE	ENGINEER	DRAWN	DATE	NUMBER
1/4"=1'	R.M.	B.W.	9-20-2013	D213-1005

FOR BID ONLY

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DRAWING HISTORY			
REVISION:	DESCRIPTION OF CHANGE:	DATE:	DRAFTER:
01	INITIAL DRAWING RELEASE	8/1/14	JCH
REVISION:	DESCRIPTION OF CHANGE:	DATE:	DRAFTER:
REVISION:	DESCRIPTION OF CHANGE:	DATE:	DRAFTER:

PROPOSED DRAWINGS FOR:

CIRCLE K STORE, FOUNTAIN BLVD COLORADO SPRINGS, CHOICEWASH XT w/FS-40D DRYER

SHEET DESCRIPTION:
FLOOR HEAT-HURON VALLEY SALES

REVISION:
01

REF. DRAWING NUMBER:
BL-1408-01-01

DRAWN BY:
J HAGAN

DATE:
8/1/14

SCALE:
NTS

SHEET:
10 OF 11

SIZE:
D

Mark VII
A subsidiary of WashTec AG

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