EXPANSION LOOP DETAIL (1)

SCALE: NONE

EXPANSION LOOP SCHEDULE						
LOOP NO.	SERVICE	JACKET SIZE	TOTAL EXP.	DIMENSIONS H	DIMENSIONS W	BOLSTER LAYERS
1	4" HWS	8"	1"	5'-0"	5'-0"	1
	4" HWR	8"	1"	5'-0"	5'-0"	1

DESIGN PARAMETERS: HW & PC 200° F
INSTALLATION TEMPERATURE 50° F

WALL PENETRATION DETAIL (2)

SCALE: NONE

NOTE:

CROSSOVER PIPING TO HAVE APPROX. 1" CLEARANCE BETWEEN JACKETS.

CROSSOVER DETAIL (3)

SCALE: NONE

INSTALLATION INSTRUCTIONS: EXPANSION BOLSTERS (PVC JACKET)

PROCEDURE

1. EXPANSION BOLSTER MATERIAL IS SUPPLIED IN PADS: 41" WIDE x 96" LONG x 1" THICK.
2. CUT THE INDIVIDUAL LAYER PADS FROM THE ROLL ACCORDING TO DIMENSIONS GIVEN IN TABLE BELOW.
3. WRAP BOLSTER AROUND JACKET HOLDING IT IN PLACE WITH BEDDING SAND. BE CERTAIN THAT THE BOLSTER FITS SNUG AROUND JACKET.
4. BOLSTER MUST BE TRIMMED TO FIT AT ELBOWS AND TO DIMENSION SHOWN BELOW IF NECESSARY.
5. BUILD THE PADS TO THE REQUIRED LENGTH AND NUMBER OF LAYERS BY BUTTING PADS IN LONG SEGMENTS AND LAYERING AS REQUIRED BY THE DRAWING.

PVC JACKET OD (INCHES)	WRAPAROUND DIMENSION PER LAYER (INCHES) FIRST LAYER	SECOND LAYER	THIRD LAYER
3.5	11	16	19
4.5	15	18	21
6.14	19	22	26
8.16	24	28	31
10.20	30	33	36
12.24	35	38	41
14.00	40	44	47
16.00	45	48	51

EXPANSION BOLSTER DETAIL

SCALE: NONE

INSTALLATION INSTRUCTIONS: EXPANSION BOLSTERS (HDPE JACKET)

PROCEDURE

1. EXPANSION BOLSTER MATERIAL IS SUPPLIED IN PADS: 41" WIDE x 96" LONG x 1" THICK.
2. CUT THE INDIVIDUAL LAYER PADS FROM THE ROLL ACCORDING TO DIMENSIONS GIVEN IN TABLE BELOW.
3. WRAP BOLSTER AROUND JACKET HOLDING IT IN PLACE WITH BEDDING SAND. BE CERTAIN THAT THE BOLSTER FITS SNUG AROUND JACKET.
4. BOLSTER MUST BE TRIMMED TO FIT AT ELBOWS AND TO DIMENSION SHOWN BELOW IF NECESSARY.
5. BUILD THE PADS TO THE REQUIRED LENGTH AND NUMBER OF LAYERS BY BUTTING PADS IN LONG SEGMENTS AND LAYERING AS REQUIRED BY THE DRAWING.

HDPE JACKET OD (INCHES)	WRAPAROUND DIMENSION PER LAYER (INCHES) FIRST LAYER	SECOND LAYER	THIRD LAYER
4.55	15	18	21
6.68	20	23	27
8.68	26	30	33
10.85	32	35	39
12.85	38	41	44
14.1	41	45	48
16.1	46	49	52
18.2	49	52	55

EXPANSION BOLSTER DETAIL

SCALE: NONE

COND. WATER TRENCH SECTION

SCALE: NONE

4-PIPE TRENCH SECTION

SCALE: NONE

NOTE

THIS CONTRACTOR SHALL CONNECT TO LINES AT THIS APPROXIMATE LOCATION. CARRIER PIPE AND JACKET AS SPECIFIED.

NOTE

SEE UTILITY PLAN FOR OTHER UNDERGROUND PIPING ON THE SITE.

1 / M0.1 MECHANICAL UNDERGROUND PIPING

1"=20'

SA·GCA Architects
An association of Saccoccio & Associates And Goody, Clancy & Associates
28 Garfield Avenue
Cranston, R.I. 02920
tel 401. 942. 7970
fax 401. 942. 7975

RENOVATION AND RESTORATION OF CENTER GENERAL COMPLEX

FOR
THE STATE OF RHODE ISLAND
DEPARTMENT OF LABOR AND TRAINING
NEW HEADQUARTERS BUILDING
PONTIAC AVENUE
CRANSTON, RHODE ISLAND

7/24/98

No.	REVISIONS	DATE

TITLE: MECHANICAL SITE PLAN

SA Job No. 97112	GCA Job No. 3940
DRAWN: XX	DATE:
CHECKED: JSC	DRAWING: 1"=20'-0"

J. S. CATAUDELLA
NO. 3694
REGISTERED PROFESSIONAL ENGINEER

MO.1

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