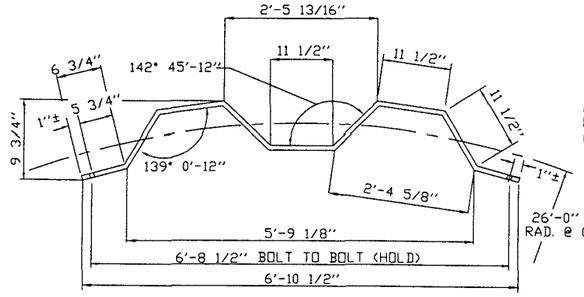
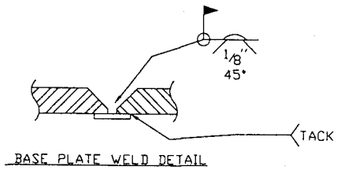


PLAN VIEW

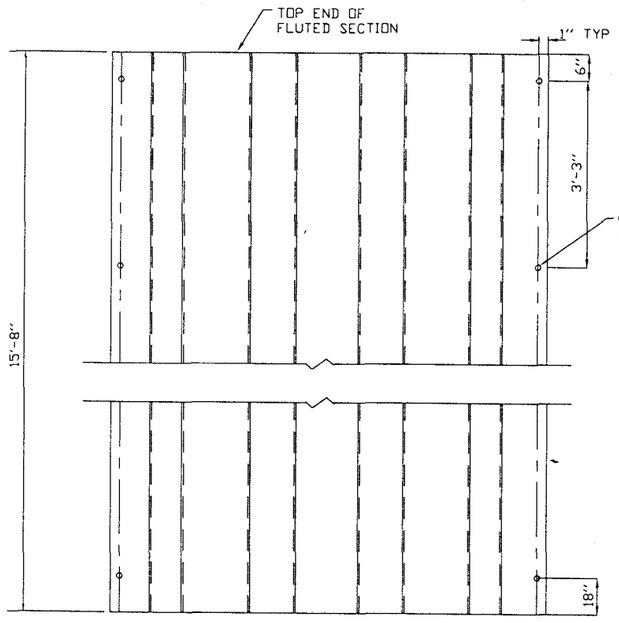
CHORD ACROSS (2) TWO FLUTES = 13'-3 5/8" BOLT TO BOLT

Ⓝ SHOP WELD FC-1 TO FC-2.

ALL DIMENSIONS OF PLAN VIEW REPRESENT DIMENSIONS AT ℄ OF PLATE

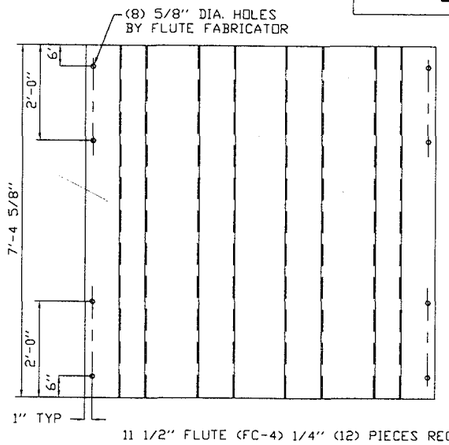


BASE PLATE WELD DETAIL



ELEVATION

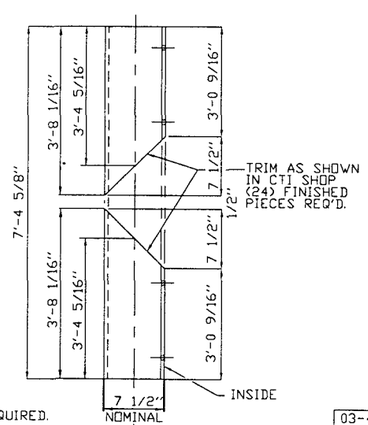
03-10-01
03-10-07
03-10-08

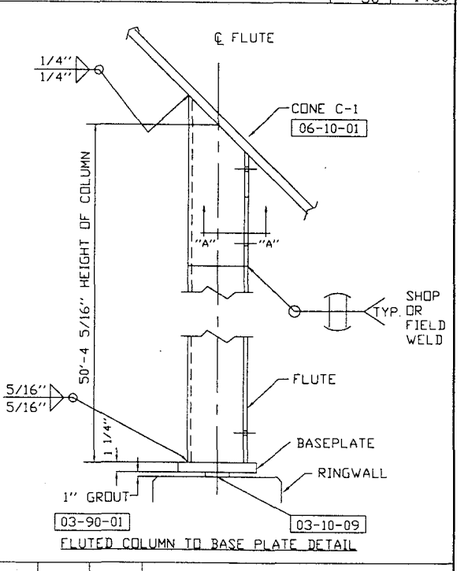


11 1/2" FLUTE (FC-4) 1/4" (12) PIECES REQUIRED.
PLATE TO BE ASTM A36

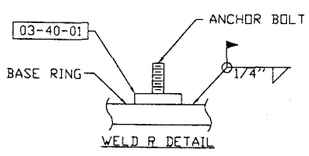
FLUTE FC-4 | 03-10-06

SEE DRAWING 06 FOR FLUTE TO CONE ASS'Y

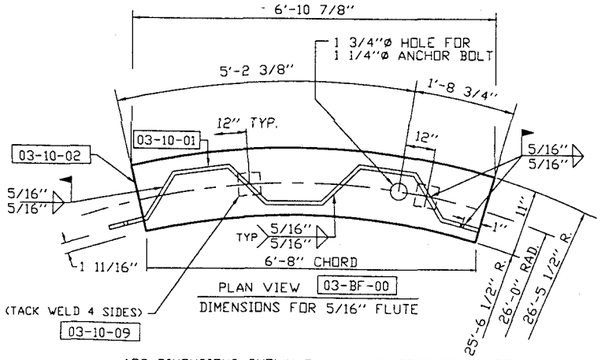




FLUTED COLUMN TO BASE PLATE DETAIL



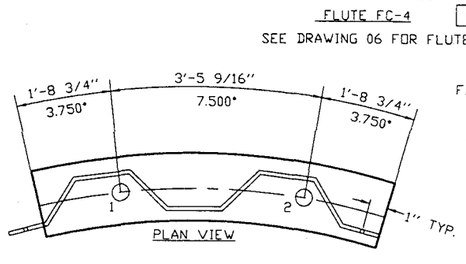
WELD A DETAIL



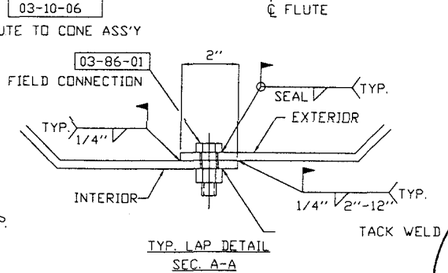
PLAN VIEW 03-BF-00

DIMENSIONS FOR 5/16" FLUTE

ARC DIMENSIONS SHOWN ON OUTSIDE EDGE OF PLATE



PLAN VIEW



TYP. LAP DETAIL SEC. A-A

03-BF-00	03-10-02	HOLE 2 ONLY (19 REQ'D)
03-BF-01	03-10-03	HOLE 1 ONLY. (1 REQ'D)
03-BF-02	03-10-04	NO HOLES (1 REQ'D)
03-BF-03	03-10-04	NO HOLES (W/DOOR) (1 REQ'D)
03-BF-04	03-10-05	HOLES 1 & 2 (2 REQ'D)

NOTE: LEAVE 52" SECTION OF FLUTE UNWELDED TO BASE PLATE FOR PERSONNEL DOOR. REFERENCE DWGS. 02 & 17 FOR ORIENTATION AND DOOR DETAILS.

BILL OF MATERIAL

SUB ASS'Y NO.	PART NO.	QTY	DESCRIPTION	MATERIAL REQ'D.	PC WT	TOT WT
03-BF-00		19	BASE FLUTE W/ BASE PLATE			3320
	03-10-01	1	FLUTE FC-1	(24) PL. 96" x 5/16" x 190"	1570	
	03-10-07	1	FLUTE FC-2 (PER ASSY)	(24) PL. 96" x 9/32" x 190"	1410	
	03-10-02	1	BASE PLATE SEGMENT W/ (1) BOLT HOLE (PER ASSY)	1 1/4" PL.	320	
	03-10-09	2	GROUT SHIM (PER ASSY)	6" X 1" X 6" PL. (STOCK PART)	10	
03-BF-01		1	BASE FLUTE ASSY W/ BASE PLATE			3320
	03-10-01	1	FLUTE FC-1	USE DROP FROM 03-10-01	1570	
	03-10-07	1	FLUTE FC-2 (PER ASSY)	USE DROP FROM 03-10-07	1410	
	03-10-03	1	BASE PLATE SEGMENT W/ (1) BOLT HOLE (PER ASSY)	1 1/4" PL.	320	
	03-10-09	2	GROUT SHIM (PER ASSY)	6" X 1" X 6" PL. (STOCK PART)	10	
03-BF-02		1	BASE FLUTE ASSY W/ BASE PLATE			3320
	03-10-01	1	FLUTE FC-1 (PER ASSY)	USE DROP FROM ABOVE	1570	
	03-10-07	1	FLUTE FC-2 (PER ASSY)	USE DROP FROM ABOVE	1410	
	03-10-04	1	BASE PLATE SEGMENT W/ NO BOLT HOLES (PER ASSY)	1 1/4" PL.	320	
	03-10-09	2	GROUT SHIM (PER ASSY)	6" X 1" X 6" PL. (STOCK PART)	10	
03-BF-03		1	BASE FLUTE ASSY W/ BASE PLATE AND MAN DOOR			4460
	03-10-01	1	FLUTE FC-1	USE DROP FROM ABOVE	1570	
	03-10-07	1	FLUTE FC-2 (PER ASSY)	USE DROP FROM ABOVE	1410	
	03-10-04	1	BASE PLATE SEGMENT W/ NO BOLT HOLES (PER ASSY)	1 1/4" PL.	320	
	03-10-09	2	GROUT SHIM (PER ASSY)	6" X 1" X 6" PL. (STOCK PART)	10	
	17-DA-01	1	PERSONNEL DOOR REINFORCEMENT FRAME	SEE DWG. 17	1140	
03-BF-04		2	BASE FLUTE ASSY W/ BASE PLATE			3320
	03-10-01	1	FLUTE FC-1	USE DROP FROM ABOVE	1570	
	03-10-07	1	FLUTE FC-2 (PER ASSY)	USE DROP FROM ABOVE	1410	
	03-10-05	1	BASE PLATE SEGMENT W/(2) BOLT HOLES (PER ASSY)	1 1/4" PL.	320	
	03-10-09	2	GROUT SHIM (PER ASSY)	6" X 1" X 6" PL. (STOCK PART)	10	
03-CF-01		12	CONE FLUTE ASSY			4360
	03-10-06	2	FLUTE FC-4 (PER ASSY)	(12) PL. 96" x 1/4" x 91"	270	
	06-10-01	2	CONE C-1 (PER ASSY)	SEE DWG. 06	1910	
ITEMS LISTED BELOW ARE TO BE SHIPPED LOOSE						
	03-10-08	24	FLUTE FC-3	(24) 96" x 1/4" x 190"	1260	30,240
Ⓐ	03-86-01	280	MACHINE BOLT & NUT	1/2" DIA. x 1 1/2" LG.		
Ⓐ	03-10-01	24	WASHERS (FOR ANCHOR BOLT)	4" OD x 1 1/2" ID. x 1/2" TH. FLAT WSHR.		
	03-90-01	29	BAGS NON-SHRINK GROUT		50	1450

COMMONWEALTH OF VIRGINIA
CHARLES W. BEELER
No. 15585
PROFESSIONAL ENGINEER
July 14, 1998

REV.	BY:	DATE	REMARKS
A	BAW	6/98	AS NOTED

CALDWELL TANKS, INC.
LOUISVILLE, KY.

BOTETOURT COUNTY, VA

BY: BAW/TP

DATE: 4-98

TITLE: FLUTE & BASE PLATE DETAIL

DRAWING NO.: E-4291 03