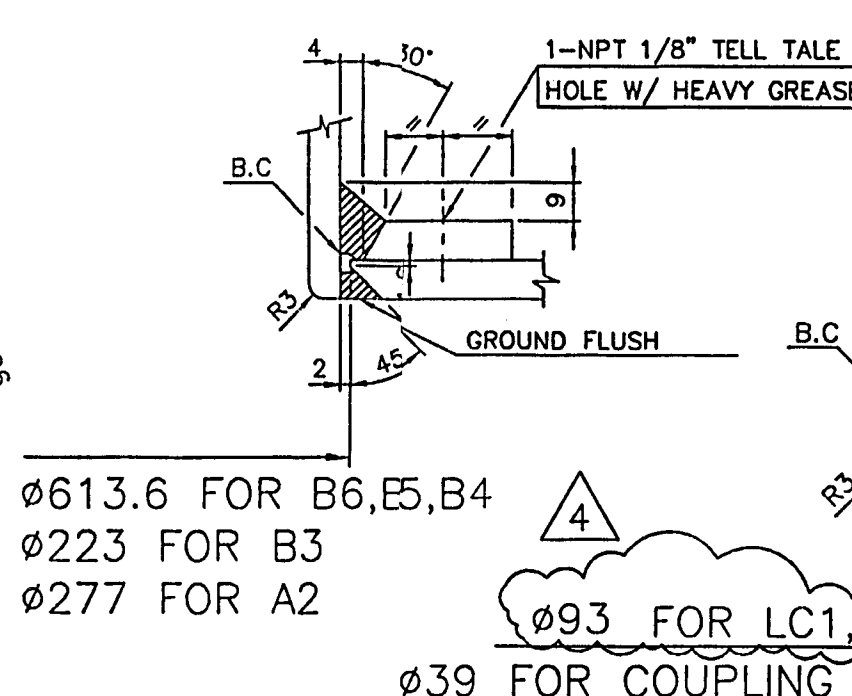
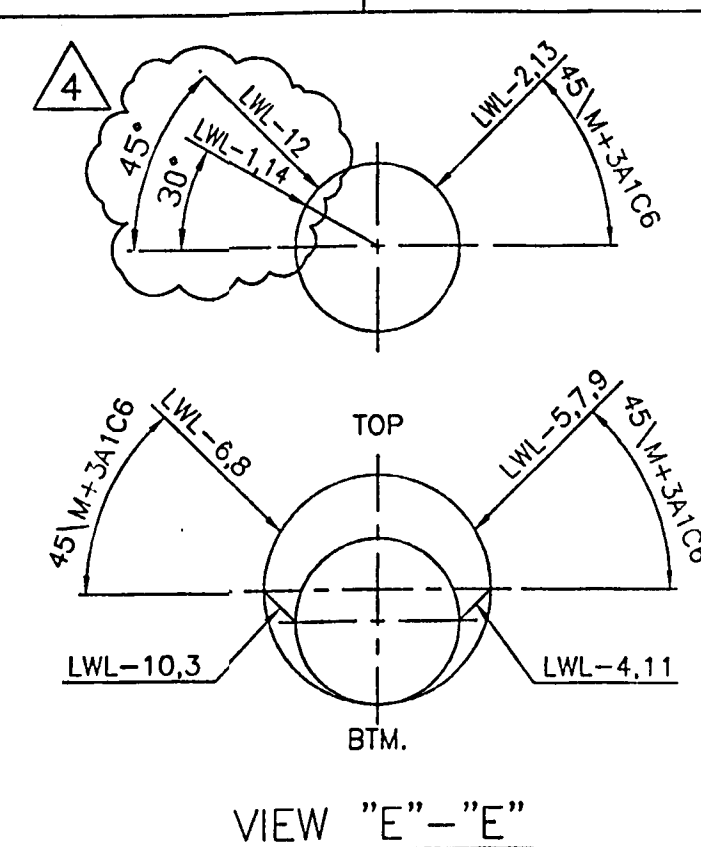
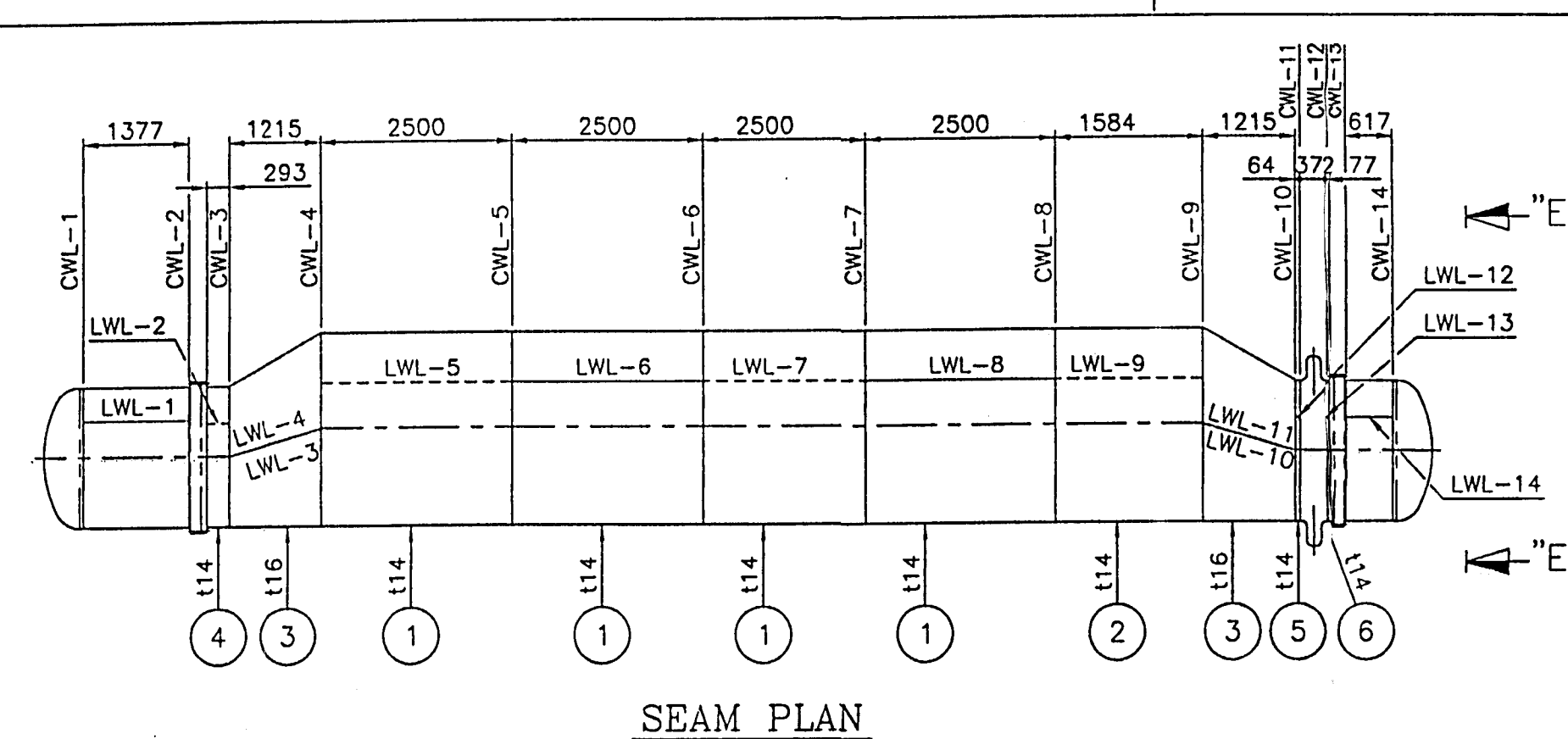
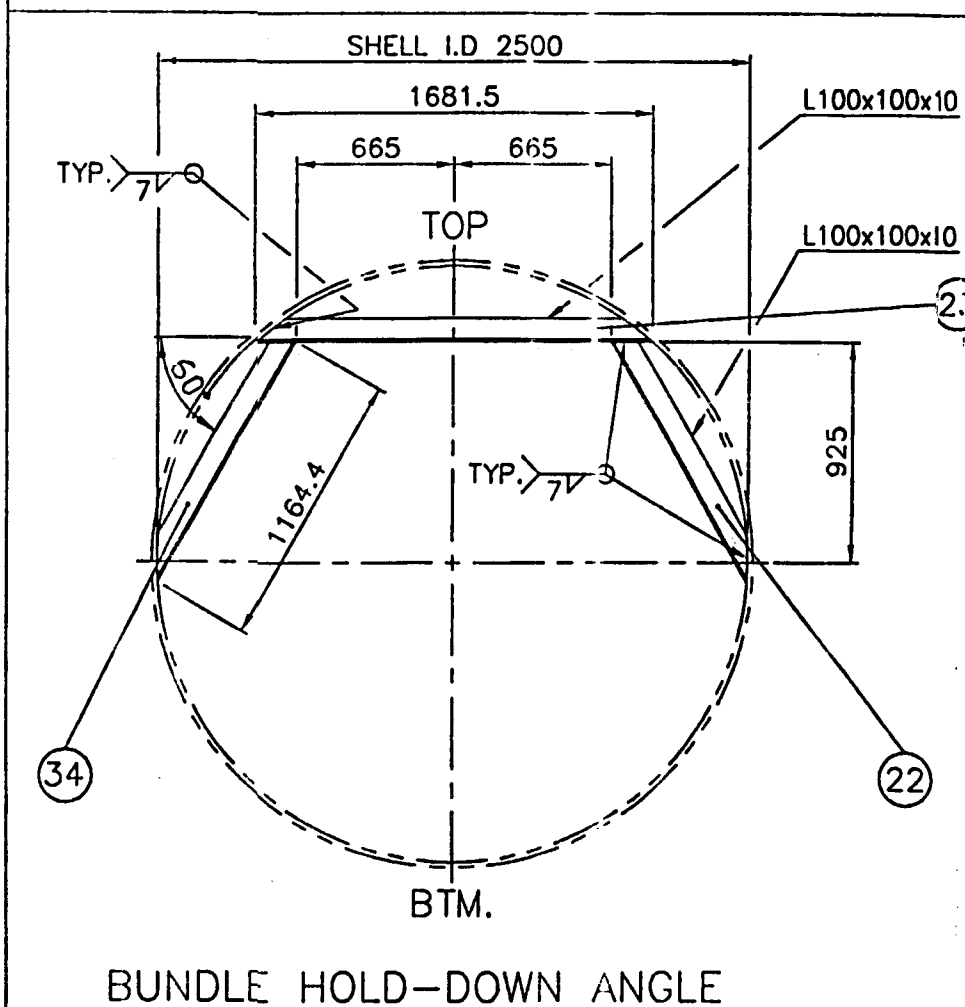
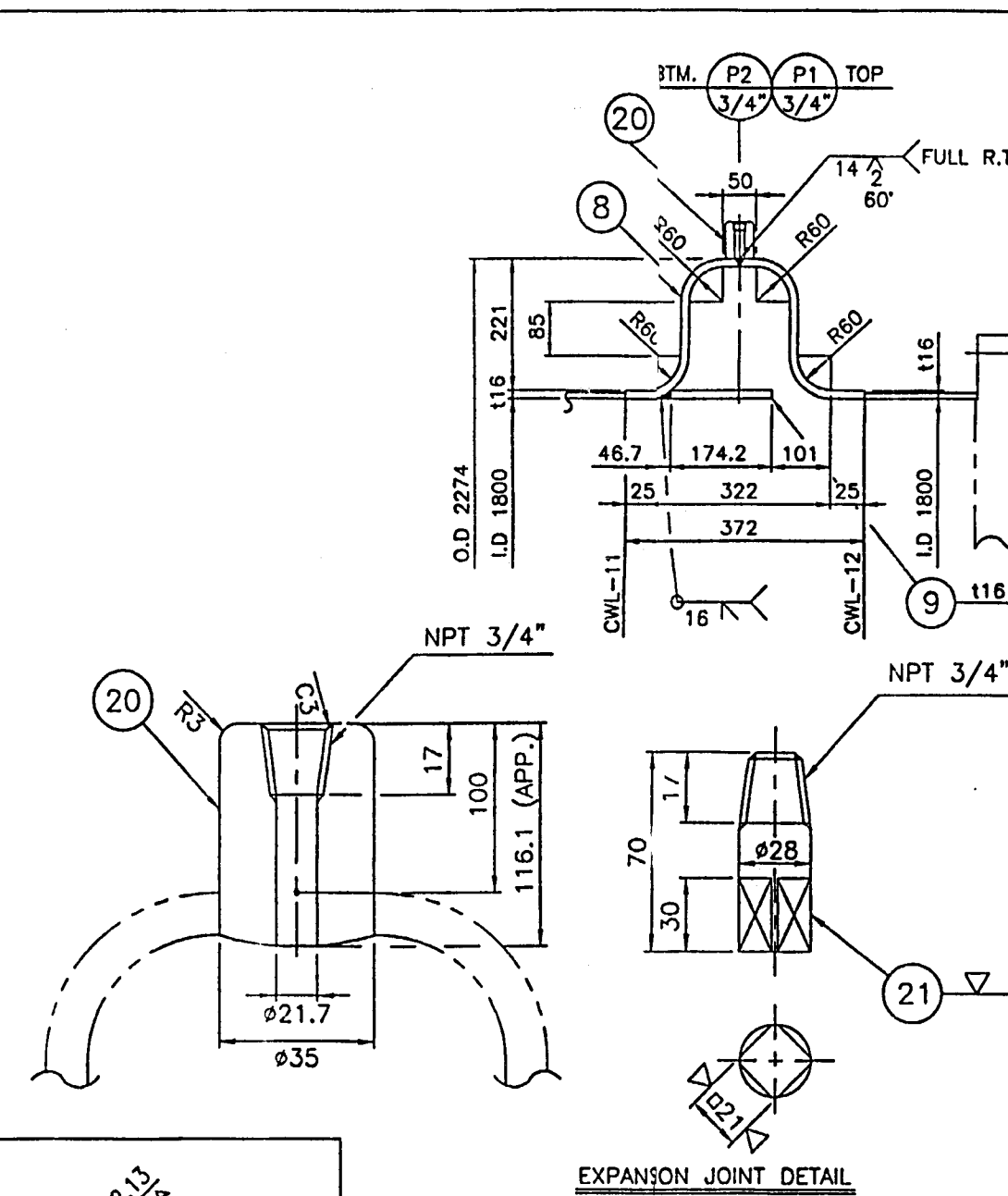
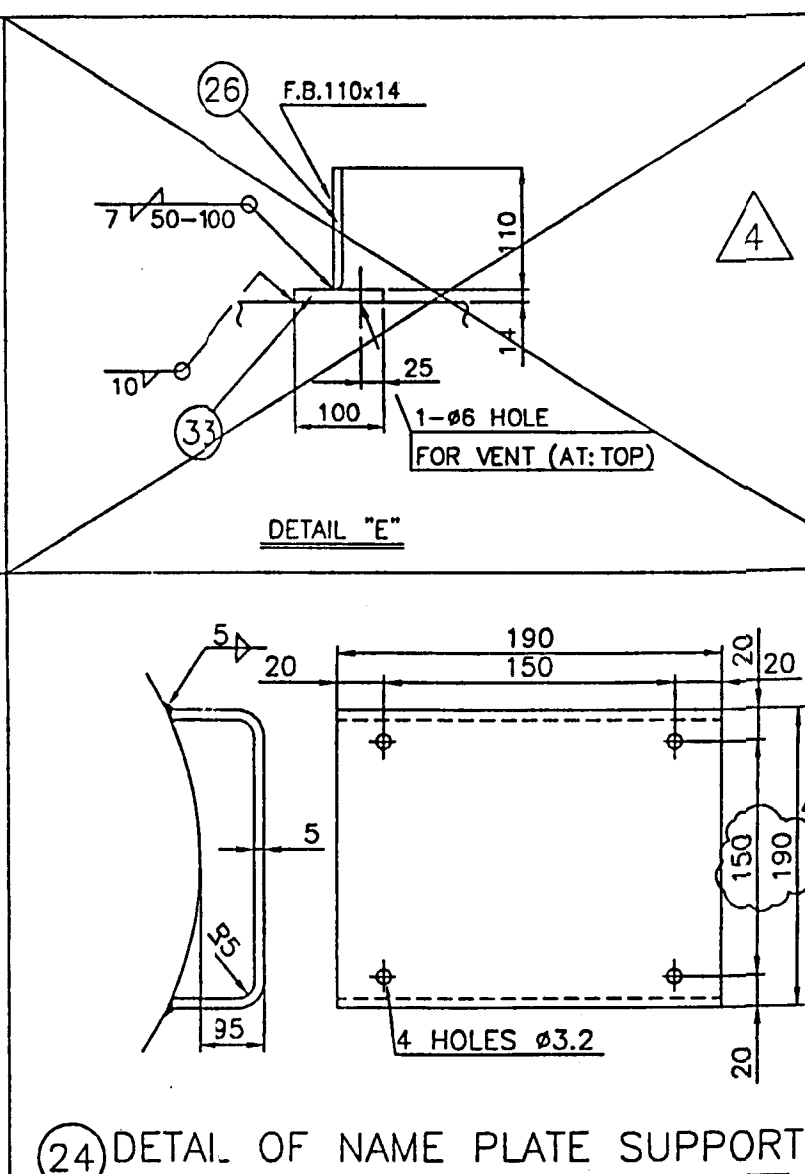
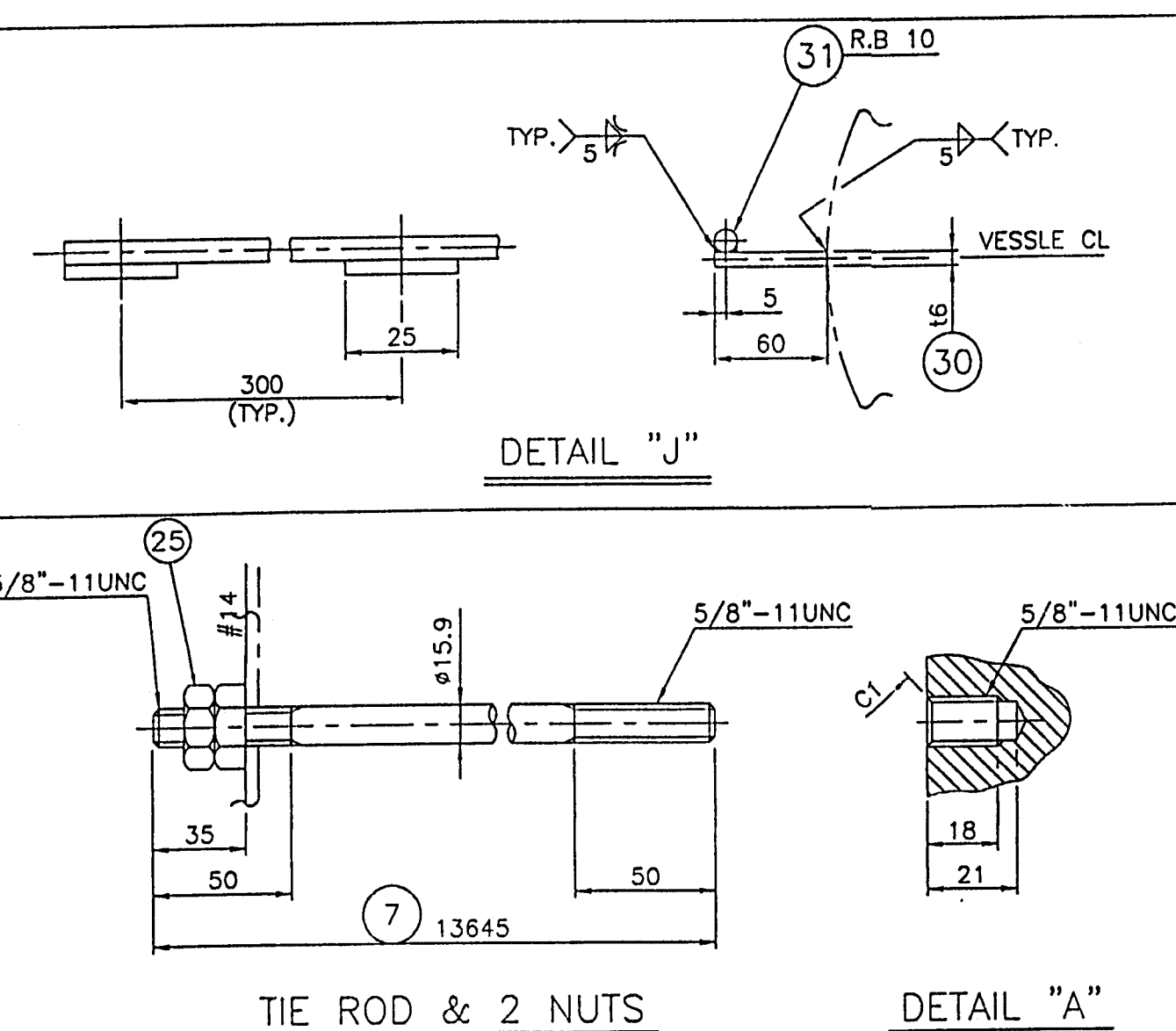
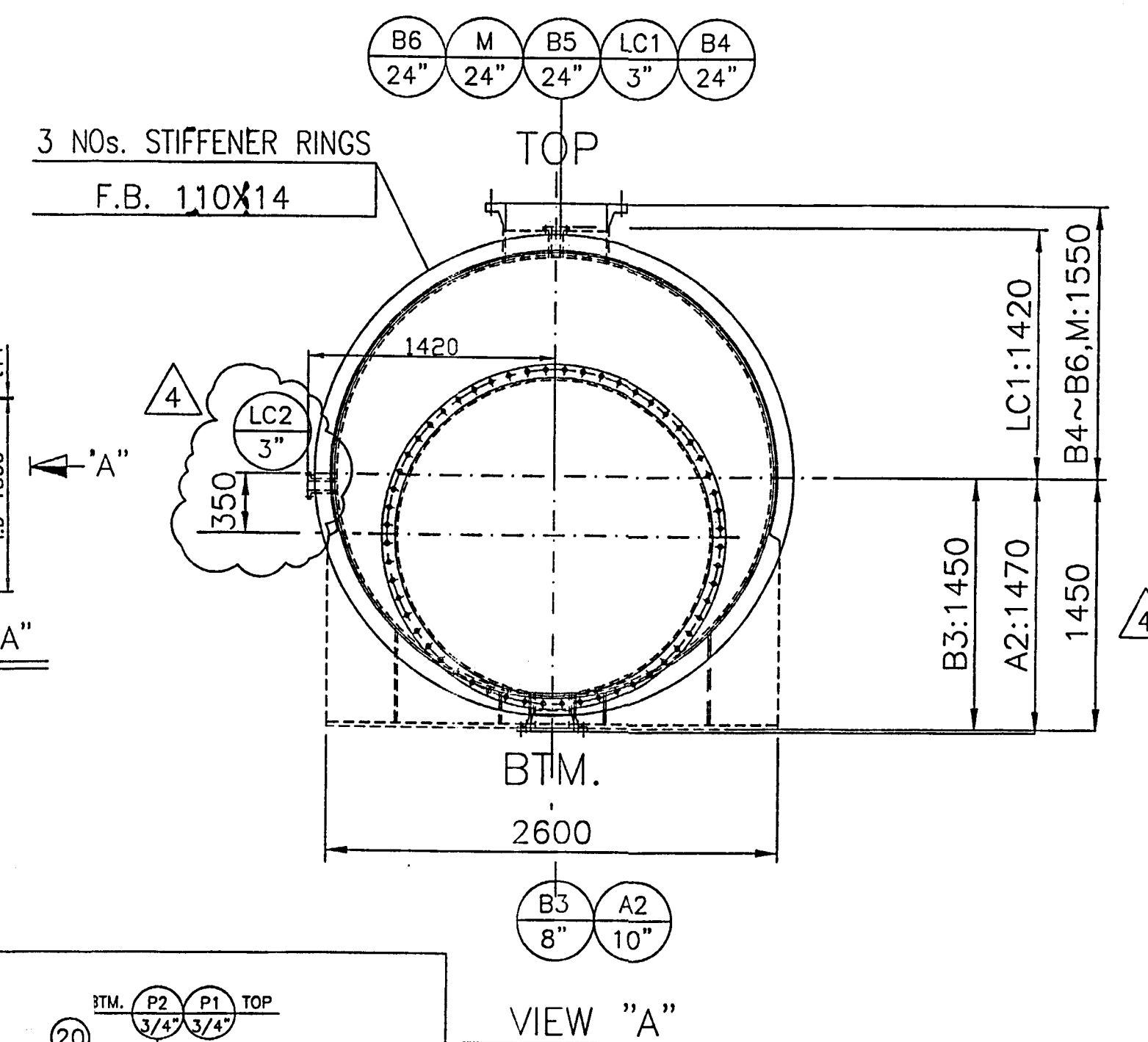
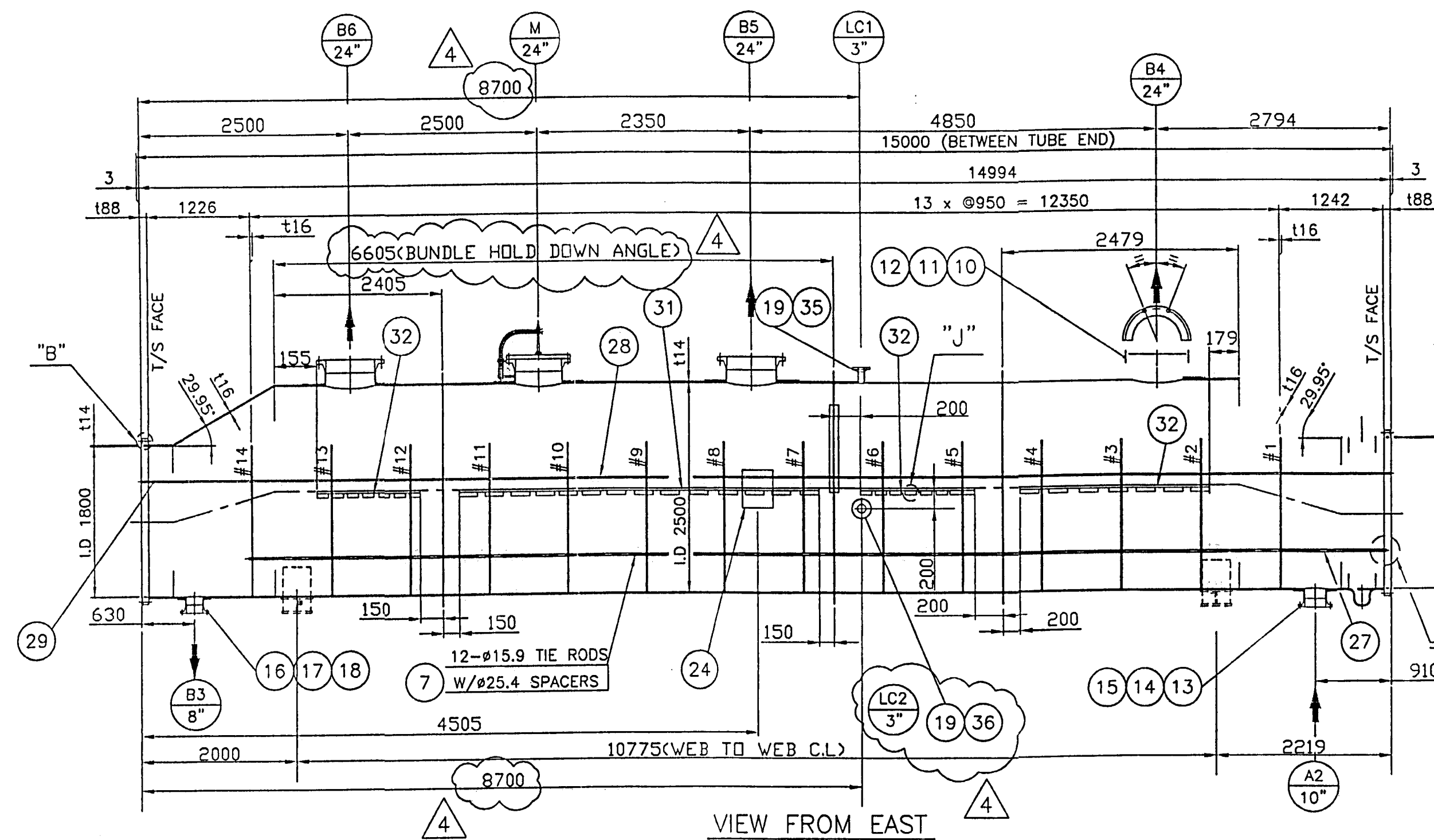


NOTES:

- 1:STRESS RELIEF: NO
2:RADIOGRAPHY: YES(FULL)
3:BOLT CENTER OF FLANGE SHALL BE AT THE CENTER OF THE PROJECT AND GENERAL COMPARISON WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS AND/OR APPROVAL ON DRAWINGS IS REQUIRED PRIOR TO THE CONTRACT DOCUMENT.
4:PAINTING SHALL BE ACC. TO DOC NO: JV-CA-E-60701
5:TOLORANCES OF FABRICATION ARE ACCORDING TO TEMA-R
6:UNLESS OTHERWISE NOTED DIMENSIONS ARE IN MILLIMETERS.

36	5007.01.36	PIPE 3" SCH.160 L=124	1	2.5	2.5	A 106-B	ASME B36.10
35	5007.01.35	PIPE 3" SCH.160 L=100	1	2.2	2.2	A 106-B	ASME B36.10
34	5007.01.34	ANGLE 100x100x10 L=1184.4	1	17.5	17.5	A 36	DIN 1028
32	5007.01.32	R.B. 10 L=2100	6	1.3	7.8	A 36	
31	5007.01.31	R.B. 10 L=3900	2	2.4	4.8	A 36	
30	5007.01.30	PL. 60x25x8	70	0.07	4.9	A 516-70	
29	5007.01.029	TUBE 0.018 os THK. 2.11 L=15000	3780	13.2	49896	A179	
28	5007.01.28	TUB 1" 14BWG L=934	156	1.1	171.8	A 179	
27	5007.01.27	TUBE 1" 14BWG L=1228	12	1.5	18	A 179	
26	5007.01.26	FL. 110x14x8375.5	3	100	300	A 516-70	
25	5007.01.25	NUTS 5/8" 11UNC	24	0.04	1	A 194-2H	ASME B18.2.2
24	5007.01.24	PL. 378.5x190xTHK.5	1	2.2	2.2	A 516-70	
23	5007.01.23	ANGLE 100x100x10 L=180	1	25	25	A 36	DIN 1028
22	5007.01.22	ANGLE 100x100x10 L=1184.4	1	17.5	17.5	A 36	DIN 1028
21	5007.01.21	PLUG NPT 3/4" L=70	2	0.5	1	A 105N	NOT STD.
20	5007.01.20	COUPLING 3/4" 6000g L=118.1	2	1	2	A 105N	ASME B18.11
19	5007.01.19	FLG. 3" 150P W.N.R.F. SCH.80	2	4.5	9	A 105N	ANSI B16.5
18	5007.01.18	PAD #400 x THK.16	1	8.5	8.5	A 516-70	
17	5007.01.17	PIPE 8" SCH.80 L=104.8	1	6.76	6.76	A 106-B	ASME B36.10
16	5007.01.16	FLG. 8" 150P W.N.R.F. SCH.80	1	18	18	A 105N	ANSI B16.5
15	5007.01.15	PAD #510 THK.16	1	15.6	15.6	A 516-70	
14	5007.01.14	PIPE 10" SCH.80xL=127.9	1	10.5	10.5	A 106-B	ASME B36.10
13	5007.01.13	FLG. 10" 160P W.N.R.F. SCH.80	1	24	24	A 105N	ANSI B16.5
12	5007.01.12	PAD #1150xTHK.14	3	81	243	A 516-70	
11	5007.01.11	PL.1870x185.3x14	3	38	114	A 516-70	
10	5007.01.10	FLG. 24" 150P W.N.R.F. THK.14	3	118	354	A 105N	ANSI B16.5
9	5007.01.09	PL.5705x174.3x16	1	124	124	A 516-70	
8	5007.01.08	EXPANSION JOINT O.D. 2274 I.D. 1890	1	572	572	A 516-70	
7	5007.01.07	TIE ROD ø15.9 L=13845	12	21.2	254.4	A 36	
6	5007.01.06	PL.5698.8x77x14	1	48	48	A 516-70	
5	5007.01.05	PL.5698.8x64x14	1	40	40	A 516-70	
4	5007.01.04	PL.5699x293x14	1	183.5	183.5	A 516-70	
3	5007.01.03	PL.4880x4600x16	2	2820	5640	A 516-70	
2	5007.01.02	PL.7898x1584x14	1	1374	1374	A 516-70	
1	5007.01.01	PL.7898x2500x14	4	2170	8680	A 516-70	

		WEIGHT		REMARK	
		Kg			
6	80/10/15	FOR CERTIFIED FINAL	A.R.J	H.B.	M.A.
4	80/9/10	FOR APPROVAL	A.R.J	H.B.	M.A.
2	80/6/26	THIRD ISSUE	M.A.Z.	H.B.	M.A.
1	80/4/28	SECOND ISSUE	M.A.Z.	H.B.	M.A.
0	80/3/28	FIRST ISSUE	M.A.Z.	H.B.	M.A.
STAT.	ISSUE	DATE	DESCRIPTION	PRE.	CHK. APP.

OWNER :  NATIONAL PETROCHEMICAL COMPANY
FANAVARAN PETROCHEMICAL COMPANY
شرکت پتروشیمی فانیواران

PROJECT : THIRD METHANOL PLANT
BANDAR IMAM KHOMEINI - IRAN

CONTRACTOR : Snamprogetti SAZEH
CONSULTANT

DRAWING TITLE: SHELL & TUBE BUNDLE ASSY.

OWNER JOB No.:	077331001	WEIGHT: 65500 KG
----------------	-----------	------------------

OWNER DWG. No.:	50-1-ME-5315	SCALE: NON
-----------------	--------------	------------

Contractor Job No.: 306900	Contractor DWG. No.: 50-RE-B-25215	Sh. 1	OF 2	REV. 0	1	2	3	4	6
-------------------------------	---------------------------------------	-------	------	--------	---	---	---	---	---

M.S.A DWG. No.:		MACHINE SAZI ARAK
-----------------	---	-------------------

 **MACHINE SAZI ARAK**
Oil & Gas Equipment Engineering