

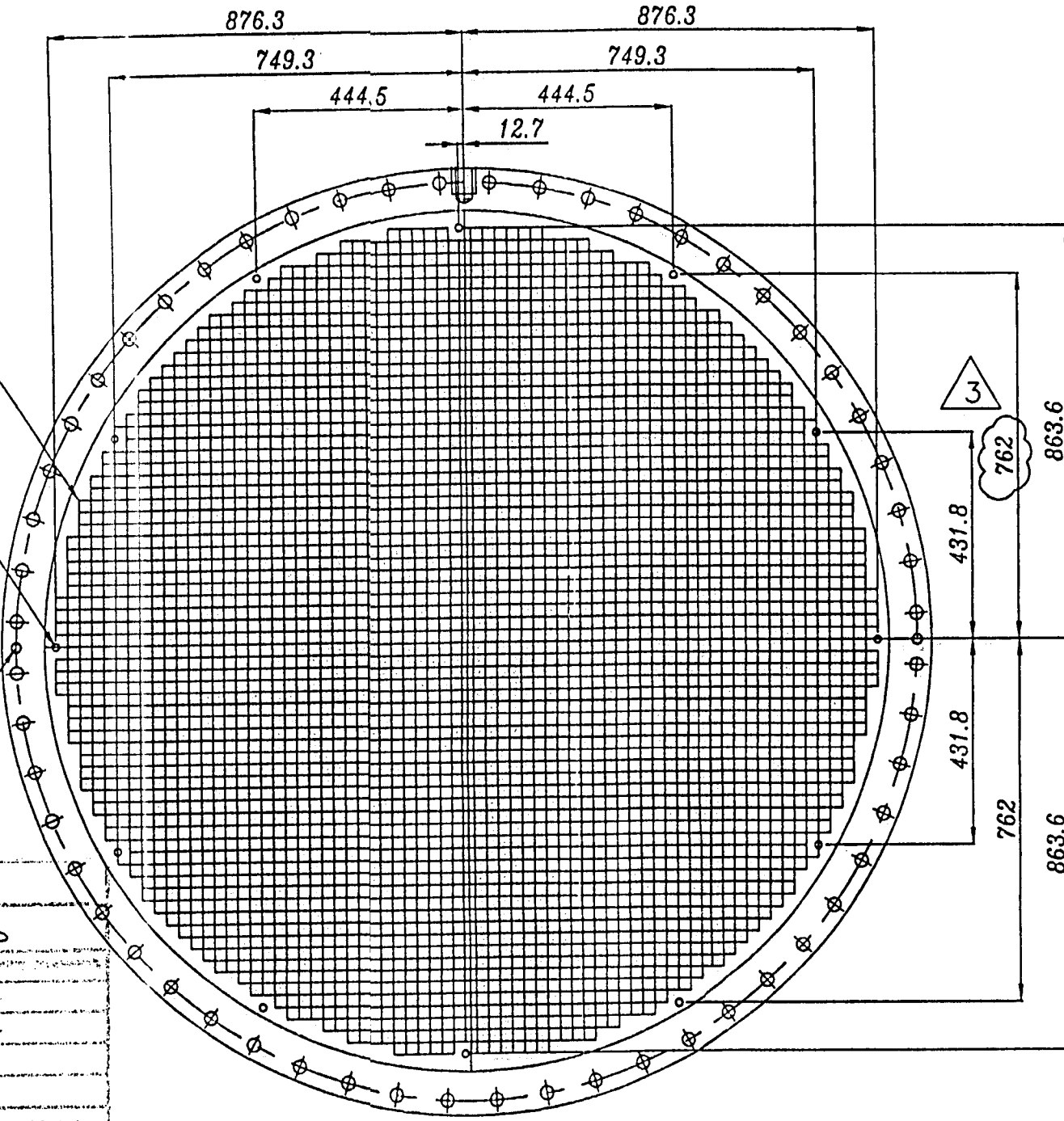
TUBE SIZE : 0.019.05 x 12.11 x L15000
REQ'D NO. : 3780 PITCH : 25.4
(O.T.L : 1783.4)

NO.12-5/8" 11UNC
W/25.4 SPACERS

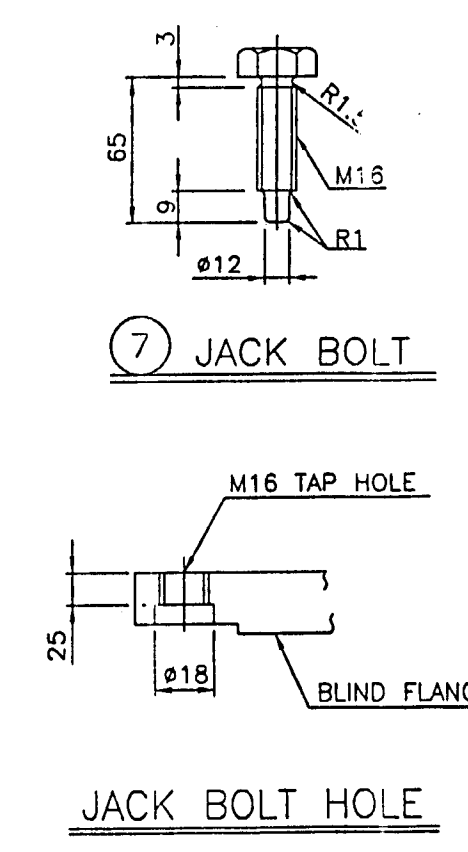
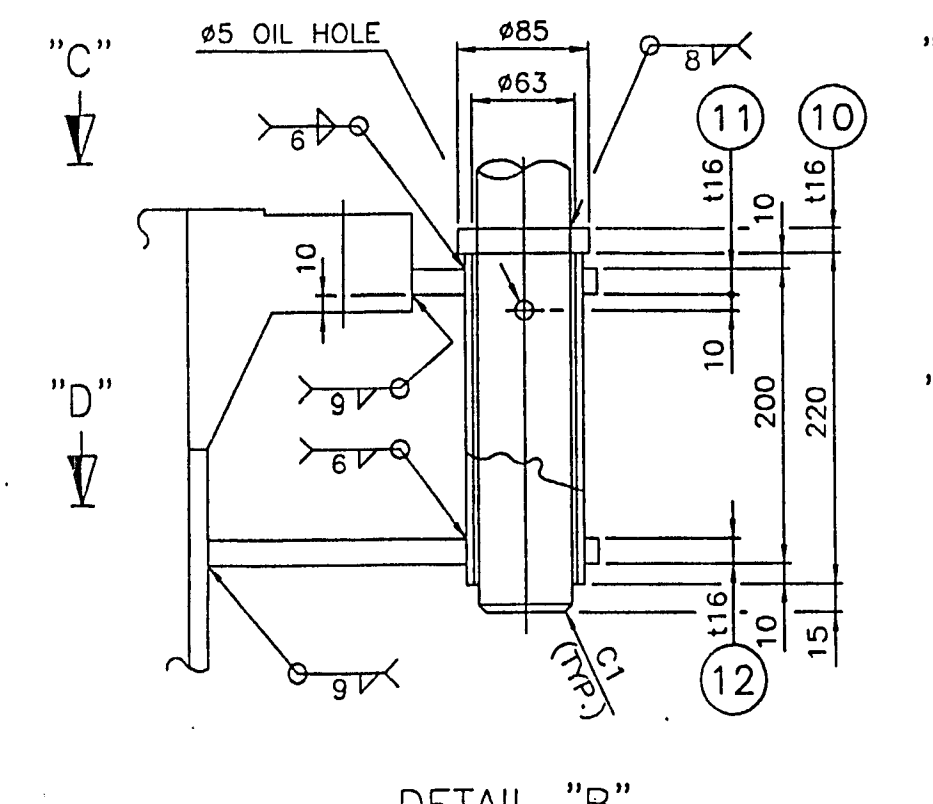
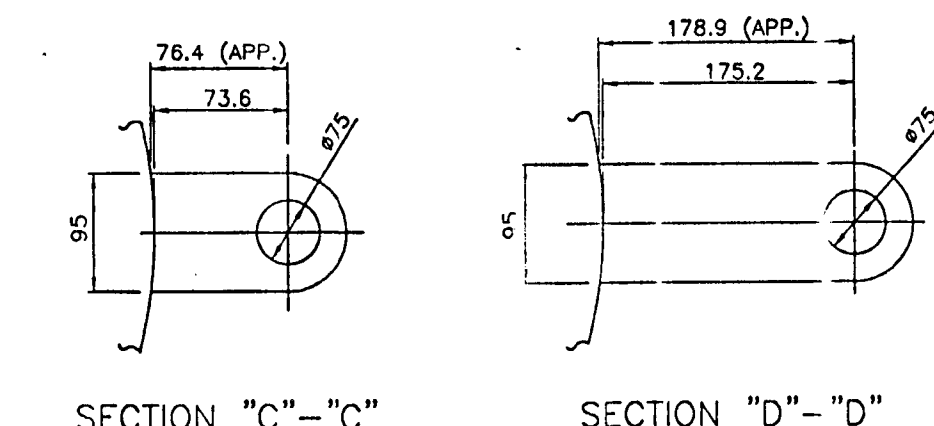
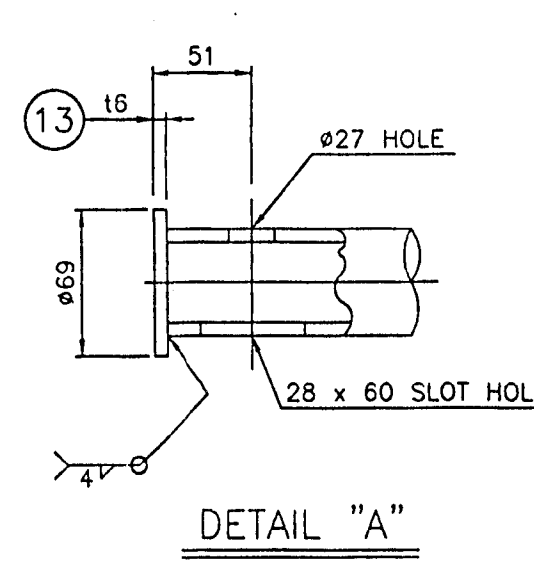
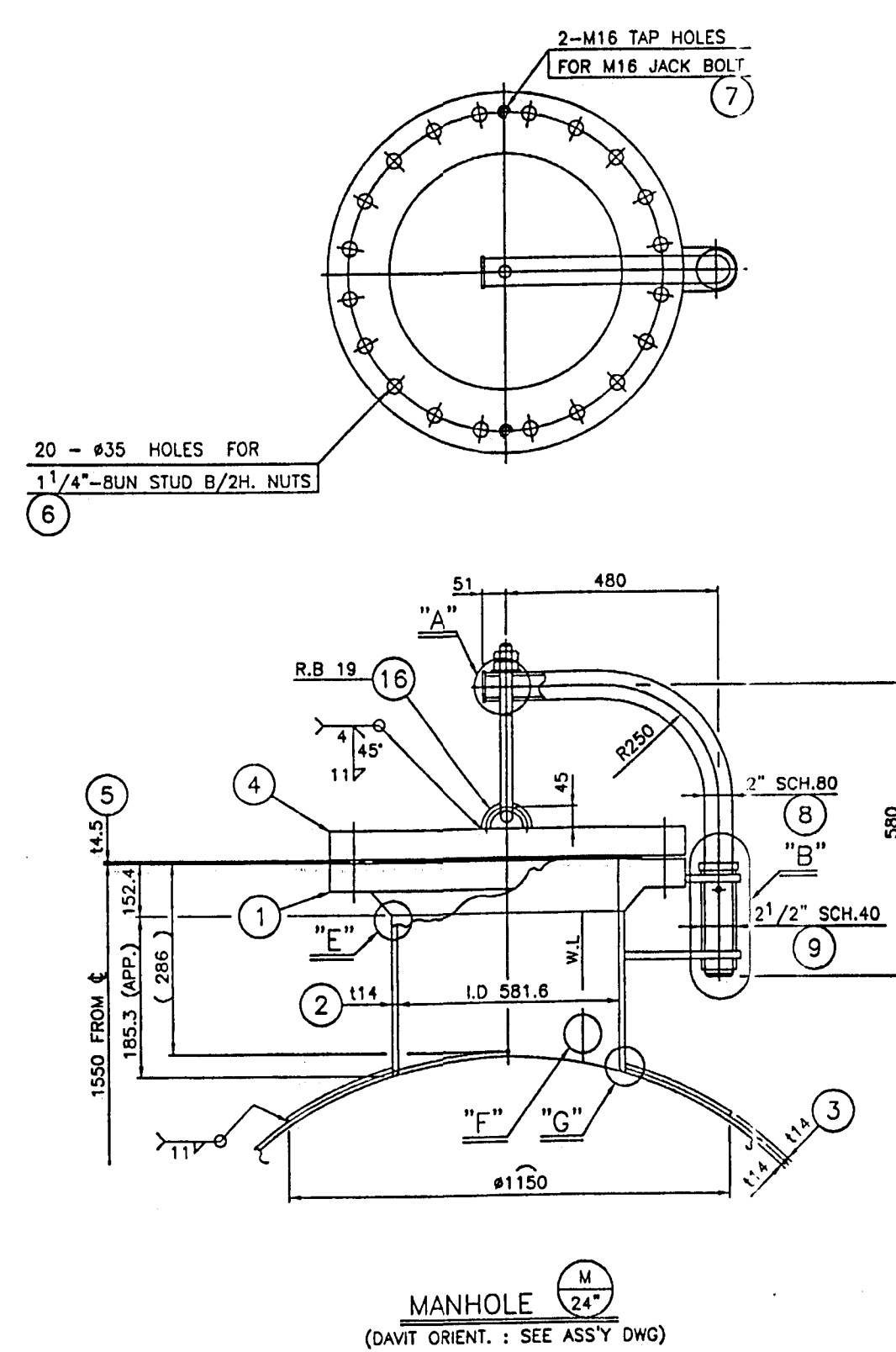
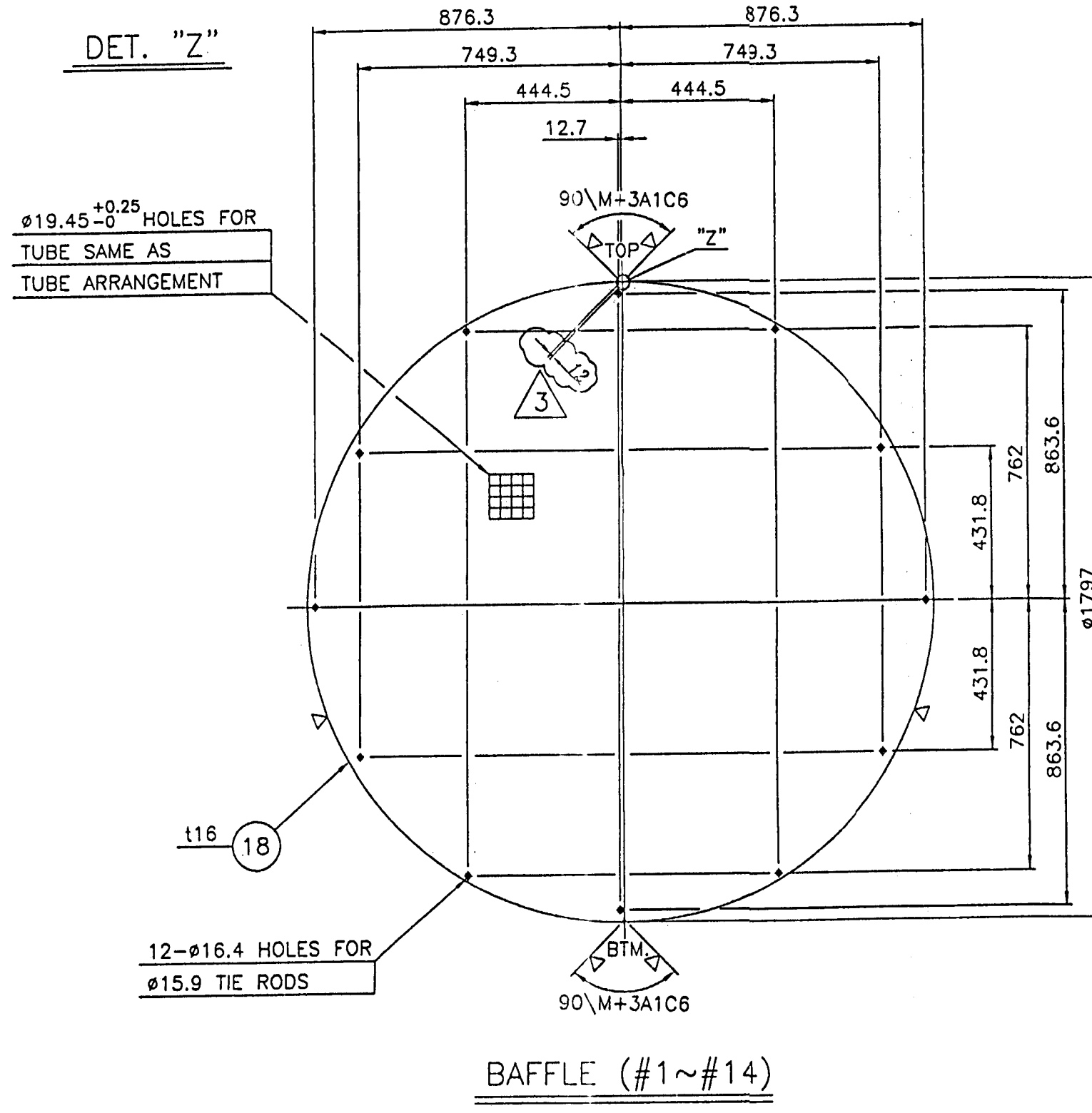
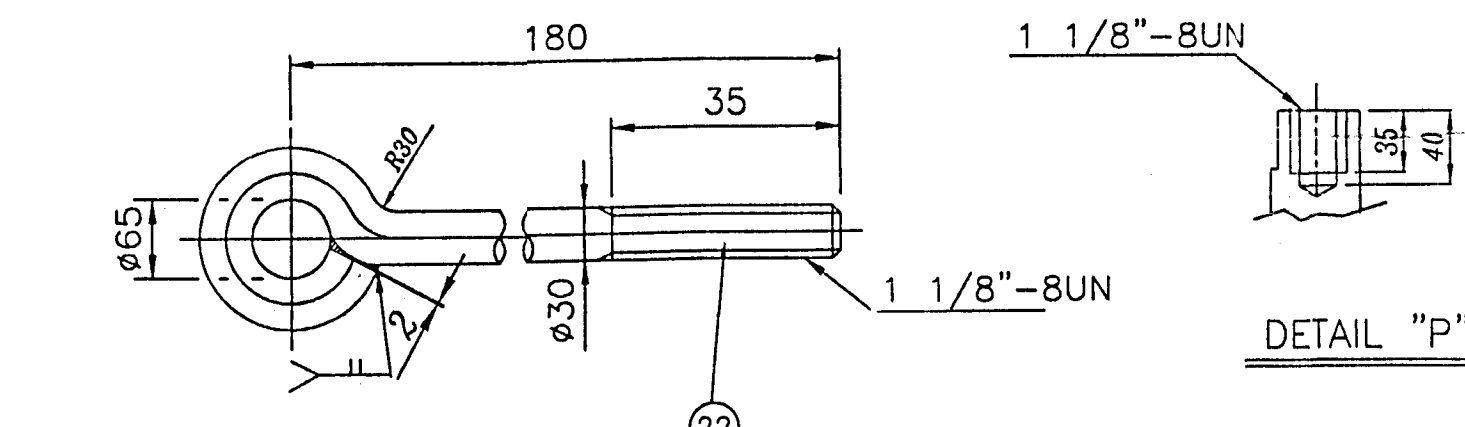
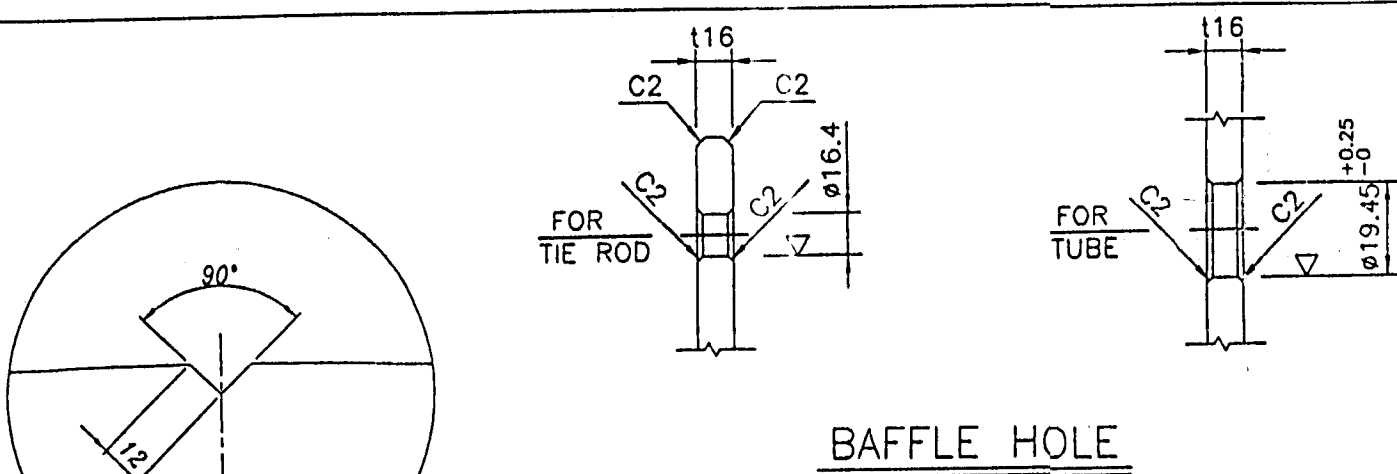
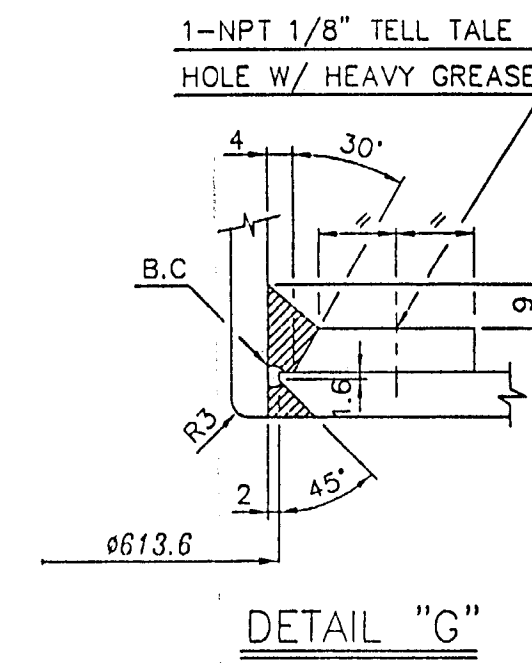
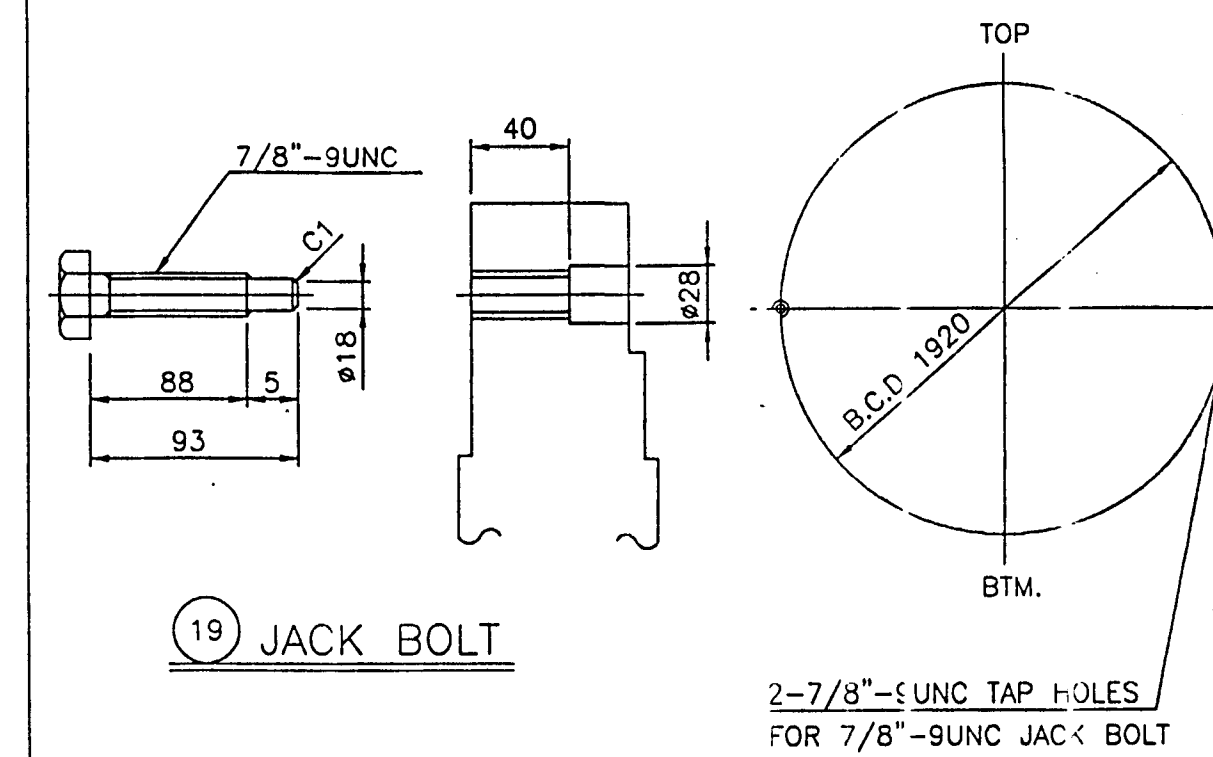
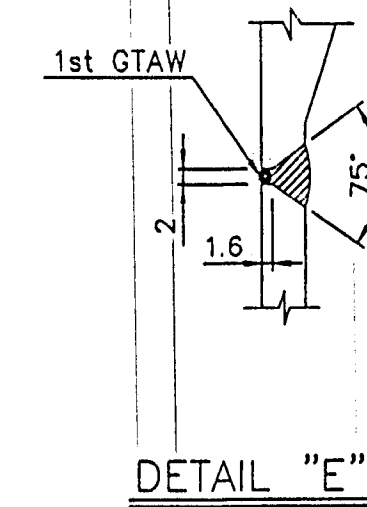
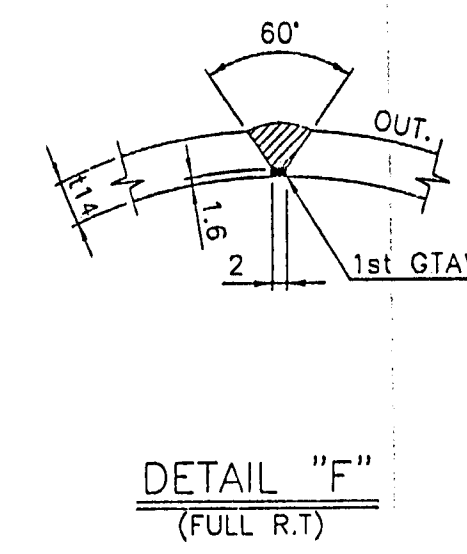
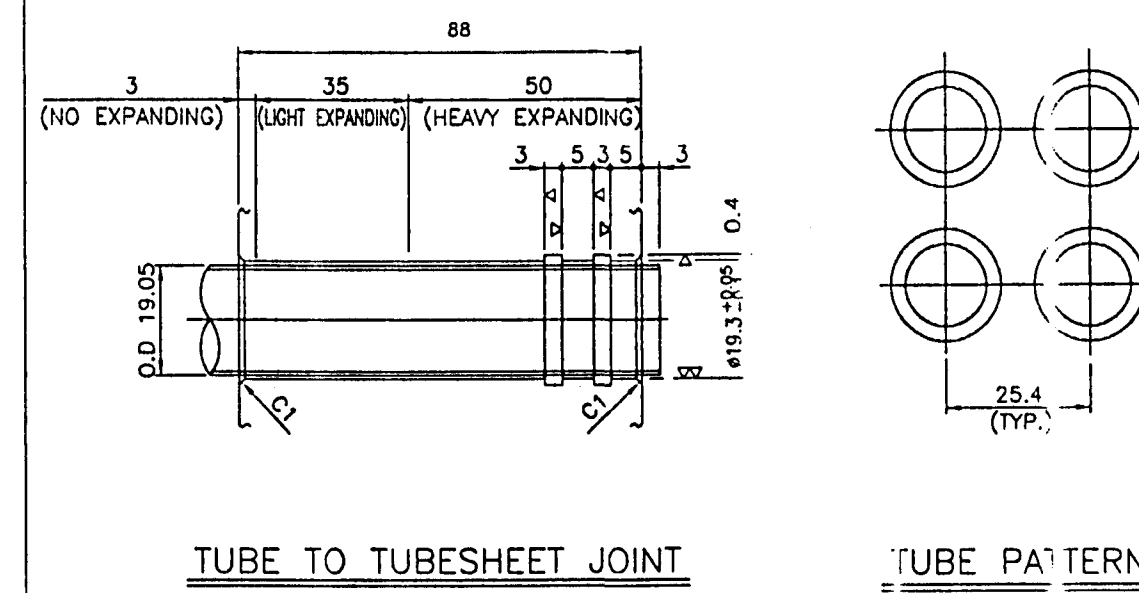
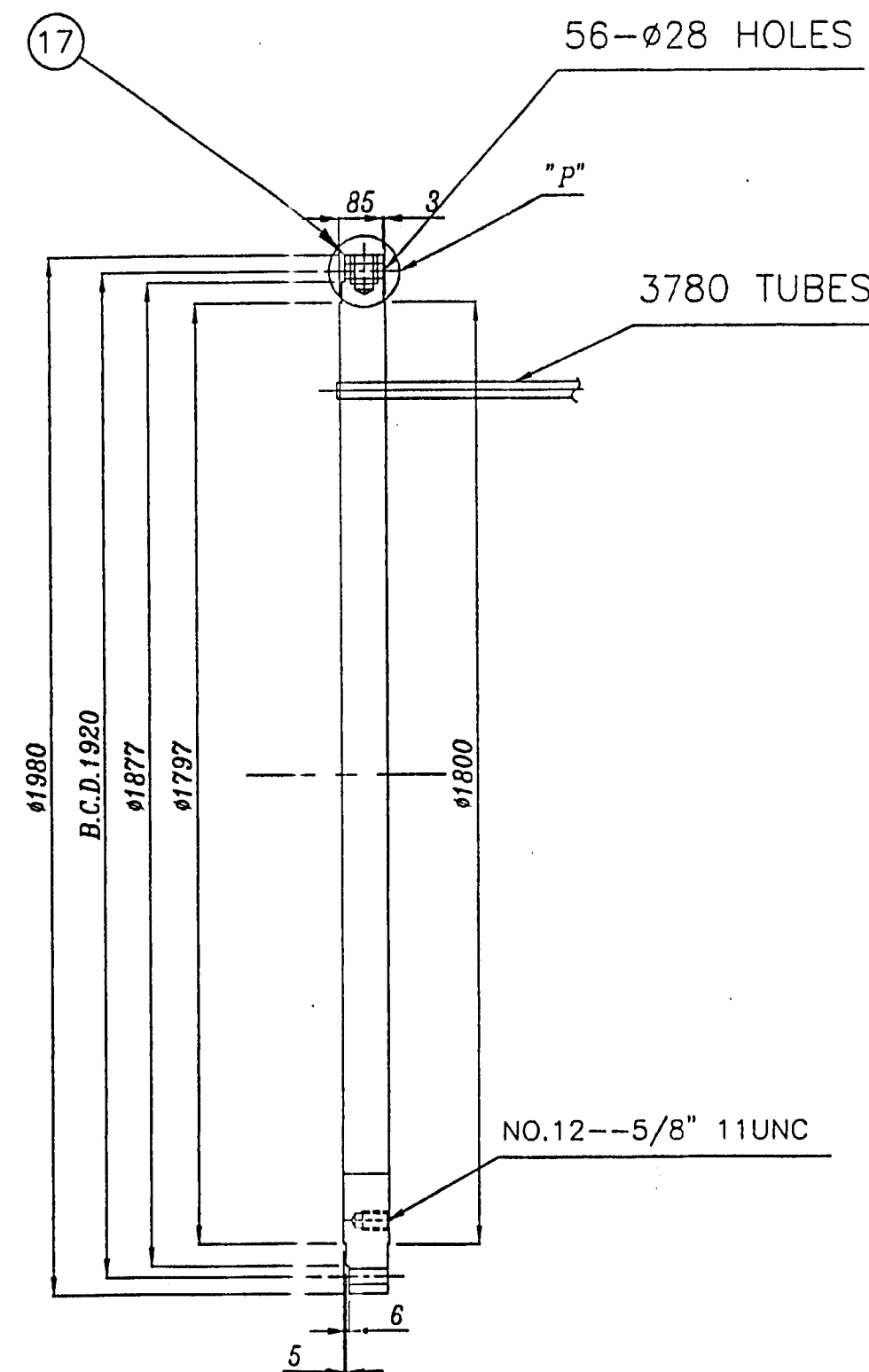
2-7/8" HOLDE
FOR JACK BOLTE

Checked by: G.P/K.E
DATE: 12 July 2003

APPROVAL IS ONLY FOR CONFORMANCE WITH THE DESIGN
CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH
THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS.
COMMENTS AND/OR APPROVAL ON DRAWINGS DO NOT
RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE
REQUIREMENTS OF THE CONTRACT DOCUMENT.



TOTAL : 3780 TUBE HOLES



ITEM	DRAWING NO.	DESCRIPTION	QTY.	UNIT	WEIGHT Kg	MATERIAL	REMARK
22	5007.01.02	30x116	2	2.3	4.6	A 38	
21	5007.01.01	TUBE SHEET OD 1880 THK. 8B	1	1351	1351	A286-Gr2	
20	5007.01.00	NUT 1"-8UNC	2	0.03	0.06	A194-1H	ASME B18.2.2
19	5007.01.09	JACK BOLT 7/8" L=93	4	0.5	2	304 S.S	
18	5007.01.08	BAFFLE OD 1779 THK. 16	14	177	2478	A 518-70	
17	5007.01.07	TUBE SHEET OD 1880 THK. 8B	1	1351	1351	A286-Gr2	
16	5007.01.06	R.B.19 L=141.5	1	0.3	0.3	A 38	
15	5007.01.05	PL. 44xTHK. 4.5	1	0.05	0.05	A 283-C	
14	5007.01.04	EYE BOLT 28xL=320	1	2	2	A 38	
13	5007.01.03	PL. 60xTHK. 8	1	0.2	0.2	A 283-C	
12	5007.01.02	PL. 95x228.5x16	1	2.7	2.7	A 283-C	
11	5007.01.01	PL. 95x123.9x16	1	1.5	1.5	A 283-C	
10	5007.01.00	PL. 95xTHK. 16	1	0.7	0.7	A 283-C	
9	5007.01.49	PIPE 2 1/4" SCH. 40 L=220	1	1.9	1.9	A 53-B	ASME B36.10
8	5007.01.48	PIPE 2" SCH. 80 L=1004	1	7.5	7.5	A 53-B	ASME B36.10
7	5007.01.47	JACK BOLT M16xL=65	2	0.5	1	304 S.S	DIN 561
6	5007.01.46	STUD BOLT/2 NUTS 1 1/4" L=180	20	1.4	28	A 193-B7 A 194-2H	ANSI B16.5
5	5007.01.45	GASKET FOR FLG. 24" 150#	1	0.3	0.3	JACKETED ASBESTOS	ANSI B16.5
4	5007.01.44	BLIND FOR FLG. 24" 150#	1	188	188	A 105N	ANSI B16.5
3	5007.01.43	PAD 1150xTHK. 14	1	81	81	A 516-70	
2	5007.01.42	PL. 1871x185.3x14	1	38	38	A 516-70	
1	5007.01.40	FLG. 24" 150# W.N.R.P. THK. 14	1	118	118	A 105N	ANSI B16.5
				UNIT TOTAL			
				WEIGHT Kg			

SL. NO.	DRAWING NO.	DESCRIPTION	WGT. Kg	DATE ISSUED	EXAMINER
6	80/10/15	FOR CERTIFIED FINAL		A.R.J	H.B. M.A.
3	80/9/10	FOR APPROVAL		A.R.J	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 فن آوران

PROJECT : THIRD METHANOL PLANT
BANDAR IMAM KHOMEINI - IRAN

CONTRACTOR : Snamprogetti SAZEH
CONSULTANT

DRAWING TITLE : SHELL & TUBE BUNDLE ASSY.

OWNER JOB No.: 077331001 WEIGHT: 5649 KG
OWNER DWG. No.: 50-1-ME-5315 SCALE: NON
Contractor Job No.: 306900 Contractor DWG. No.: 50-RE-B-25215 Sh. 2 OF 2 REV. 012346

M.S.A DWG. No.: E5007-01.00 2/2

MACHINE SAZI ARAK
Oil & Gas Equipment Engineering
M.S.A