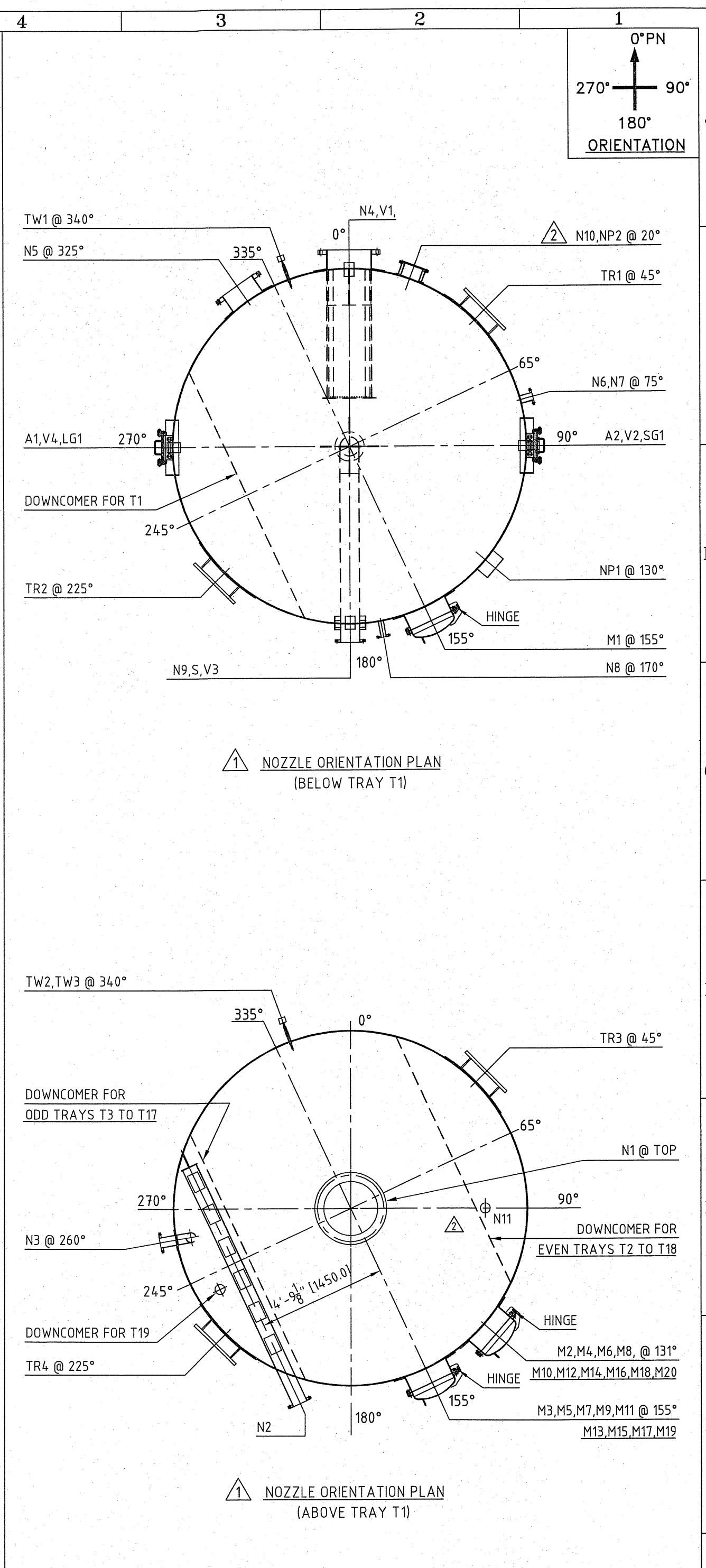
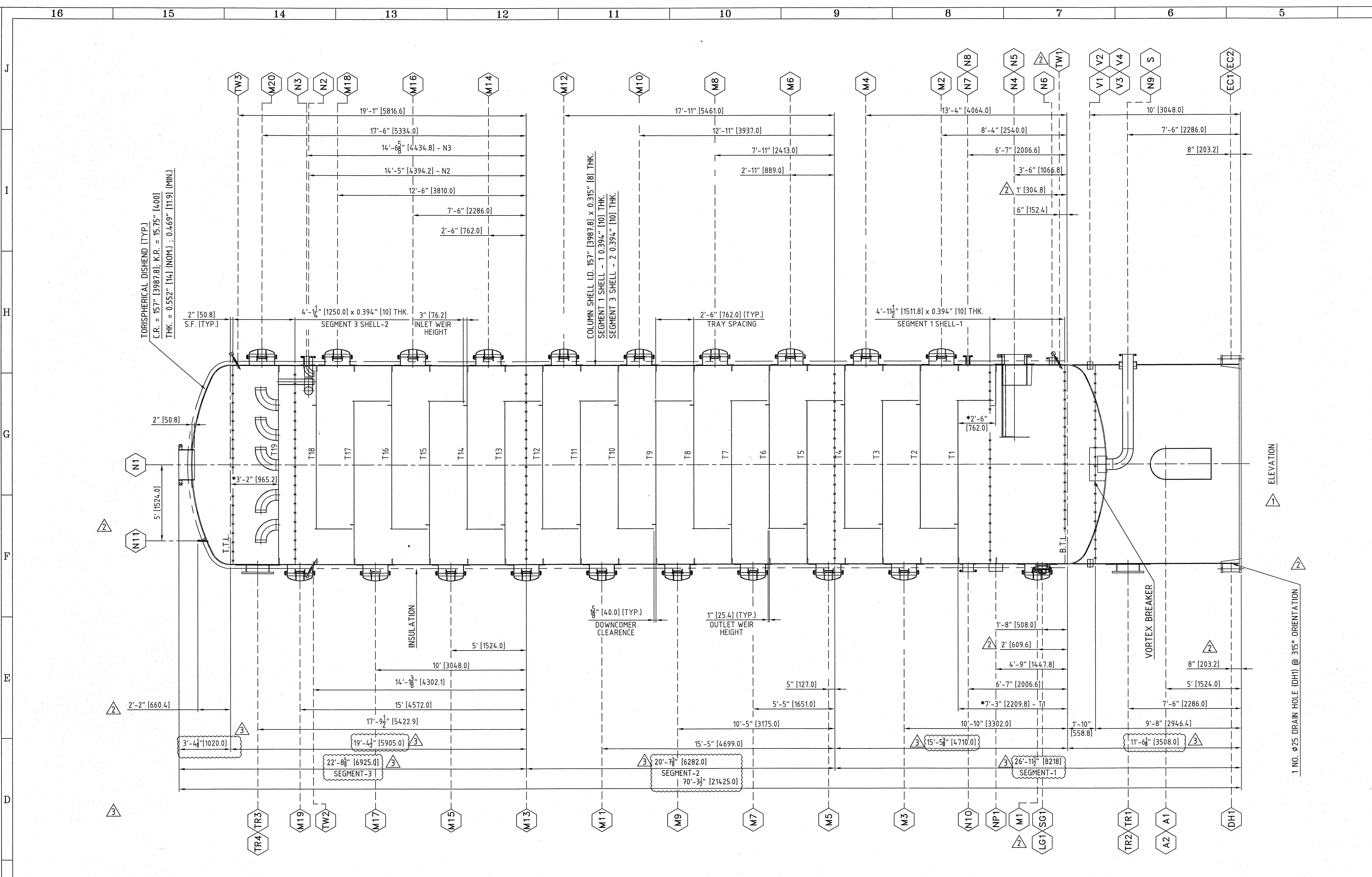




NOZZLE SCHEDULE				DESIGN DATA				MATERIAL OF CONSTRUCTION			
NOZZLE NO.	SIZE	SCH.	THK.	TYPE	RATING	PROJ.	FROM	DESCRIPTION	UNITS	VALUE	DESIGN CODE - ASME SECTION VIII DIV. 1 EDITION 2004, ADD. 2006
N1	24"	SCH. 40s	0.315"	SOFF	#150	7"	3"	STEAM IN	deg f / (deg c)	266 / (130)	
N2	4"	SCH. 40s	0.315"	SOFF	#150	7"	2"	VINASSE VAPORS IN	deg f / (deg c)	14.50 / (10.10)	
N3	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	FERMENTED MASH IN (SPARGER)	psi (g) / (MPa) (g)	14 / (10.096)	
N4	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	
N5	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	
N6	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	
N7	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	
N8	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	
N9	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	
N10	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	
N11	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	
N12	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	
N13	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	
N14	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	
N15	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	
N16	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	
N17	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	
N18	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	
N19	12"	SCH. 80s	0.315"	SOFF	#150	7"	2"	ALCOHOL WATER VAPORS OUT	psi (g) / (MPa) (g)	14 / (10.096)	

LIST OF REFERENCE DWGS./DOCUMENTS				BILL OF MATERIAL			
NO.	DESCRIPTION	DWG./DOC. NO.	QTY.	MATERIAL	SIZE	QTY.	SIZE
1	DESIGN CALCULATION	06D058-CAL-1401	1	SA240 TYPE 304L	0.394" THK. x REFER DRG. NO. 06D058-1-WFD01	1	0.394" THK. x REFER DRG. NO. 06D058-1-WFD01
2	PICKLING & PASSIVATION	MFG-P-219	1	SA240 TYPE 304L	0.62" THK. x REFER DRG. NO. 06D058-1-WFD02	1	0.62" THK. x REFER DRG. NO. 06D058-1-WFD02
3	FABRICATION TOLERANCE SPEC.	06D058-FABTOL-1401	1	SA240 TYPE 304L	0.552" THK. x REFER DRG. NO. 06D058-1-WFD03	1	0.552" THK. x REFER DRG. NO. 06D058-1-WFD03
4	PAINTING SPECIFICATION	STD-4-M-2358	1	SA240 TYPE 304L	0.63" THK. x REFER DRG. NO. 06D058-1-WFD04	1	0.63" THK. x REFER DRG. NO. 06D058-1-WFD04
5	NAME PLATE (NPS FOR PRAJ ADVISE)	06D058-1-NP0401	1	SA240 TYPE 304L	1.574" THK. x REFER DRG. NO. 06D058-1-WFD05	1	1.574" THK. x REFER DRG. NO. 06D058-1-WFD05
6	NAME PLATE (NPS FOR DESIGN DATA)	06D058-1-NP0401	1	SA240 TYPE 304L	0.55" THK. x REFER DRG. NO. 06D058-1-WFD06	1	0.55" THK. x REFER DRG. NO. 06D058-1-WFD06
7	SIGHT GLASS / LIGHT GLASS	STD-2-M-2613	1	SA240 TYPE 304L	0.55" THK. x REFER DRG. NO. 06D058-1-WFD07	1	0.55" THK. x REFER DRG. NO. 06D058-1-WFD07
8	MANHOLE (20")	STD-2-M-2611	1	SA240 TYPE 304L	0.55" THK. x REFER DRG. NO. 06D058-1-WFD08	1	0.55" THK. x REFER DRG. NO. 06D058-1-WFD08
9	GRUB BAR DETAIL	06D058-4-WFD076	1	SA240 TYPE 304L	0.55" THK. x REFER DRG. NO. 06D058-1-WFD09	1	0.55" THK. x REFER DRG. NO. 06D058-1-WFD09
10	CLEAT DETAILS	06D058-3-WFD075	1	SA240 TYPE 304L	0.55" THK. x REFER DRG. NO. 06D058-1-WFD10	1	0.55" THK. x REFER DRG. NO. 06D058-1-WFD10
11	TRANSPORTATION SADDLE DETAILS	06D058-1-WFD073	1	SA240 TYPE 304L	0.55" THK. x REFER DRG. NO. 06D058-1-WFD11	1	0.55" THK. x REFER DRG. NO. 06D058-1-WFD11
12	IMPINGEMENT TRAY DETAIL FOR T19	06D058-1-WFD072	1	SA240 TYPE 304L	0.55" THK. x REFER DRG. NO. 06D058-1-WFD12	1	0.55" THK. x REFER DRG. NO. 06D058-1-WFD12
13	PUNCHING DETAILS FOR T1 TO T18	06D058-1-WFD071	1	SA240 TYPE 304L	0.55" THK. x REFER DRG. NO. 06D058-1-WFD13	1	0.55" THK. x REFER DRG. NO. 06D058-1-WFD13
14	TRAY & DOWNCOMER DETAILS FOR T1 TO T18	06D058-1-WFD070	1	SA240 TYPE 304L	0.55" THK. x REFER DRG. NO. 06D058-1-WFD14	1	0.55" THK. x REFER DRG. NO. 06D058-1-WFD14
15	FABRICATION DETAILS FOR MASH COLUMN	06D058-1-WFD070	1	SA240 TYPE 304L	0.55" THK. x REFER DRG. NO. 06D058-1-WFD15	1	0.55" THK. x REFER DRG. NO. 06D058-1-WFD15

ORIGINAL

AS BUILT DWG.

3	AS BUILT	G.S.S.	Y.S.G.	K.B.	01-Oct-2008
2	REVISED AS MARKED	K.S.P.	G.S.S.	K.B.	06/03/08
1	REVISED AS MARKED	K.S.P.	G.S.S.	K.B.	30/01/2008
0	FOR FABRICATION	K.S.P.	G.S.S.	K.B.	08/10/2007

REV. NO.	DESCRIPTION	DRAWN	CHKD.	APPD.	DATE
3	AS BUILT	G.S.S.	Y.S.G.	K.B.	01-Oct-2008
2	REVISED AS MARKED	K.S.P.	G.S.S.	K.B.	06/03/08
1	REVISED AS MARKED	K.S.P.	G.S.S.	K.B.	30/01/2008
0	FOR FABRICATION	K.S.P.	G.S.S.	K.B.	08/10/2007

CLIENT

PLANT

LOCATION

LOUISIANA GREEN FUELS LLC.
22.45 MGPY DEHYDRATED ETHANOL (UNDENATURED)
LA CASSINE, LOUISIANA, USA

PRAJ INDUSTRIES

THIS DWG. IS THE PROPERTY OF PRAJ INDUSTRIES LTD. AND SHOULD NOT BE REPRODUCED WITHOUT WRITTEN CONSENT FROM PRAJ INDUSTRIES LTD.
"PRAJ HOUSE", Bavdhan, Pune-411 021, (INDIA)

TITLE : GENERAL ASSEMBLY DRAWING
FOR MASH COLUMN
(C-1401)

I.D. NO.
C-1401

SCALE
N.T.S.

SHEET
1 OF 1

PIL JOB CODE
06D058

CAD FILE NAME
06D058-1-GAD401

REV. 3

DWG. NO. 06D058 - 1 - GAD401