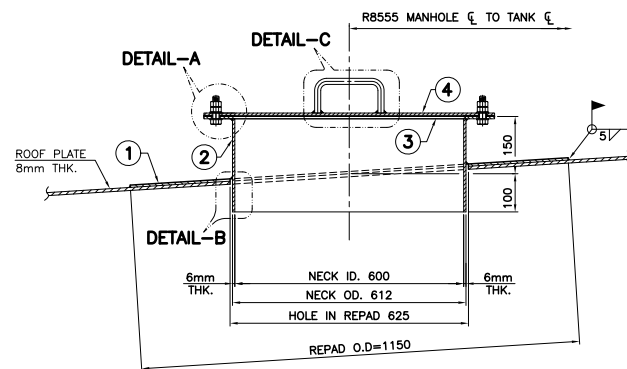
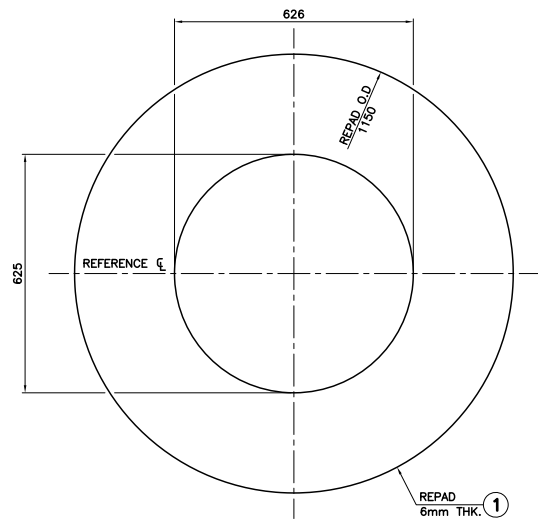


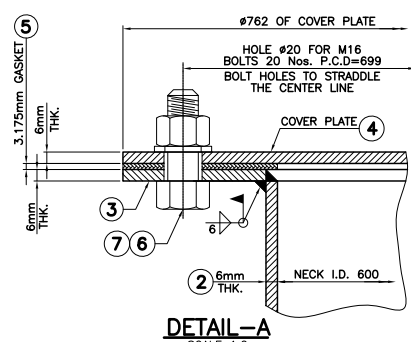
PLAN
(M1) 24" ROOF MANHOLE



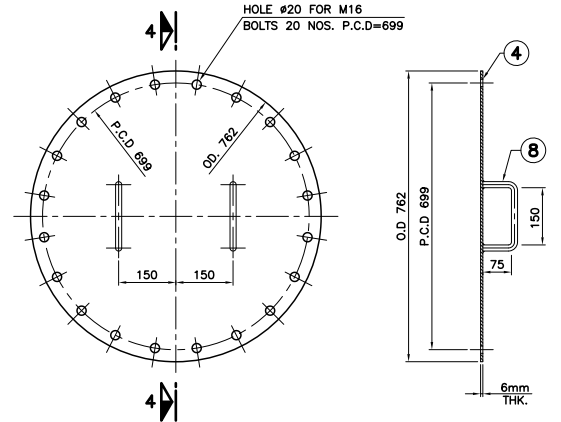
SECTION 1-1



ITEM # 1

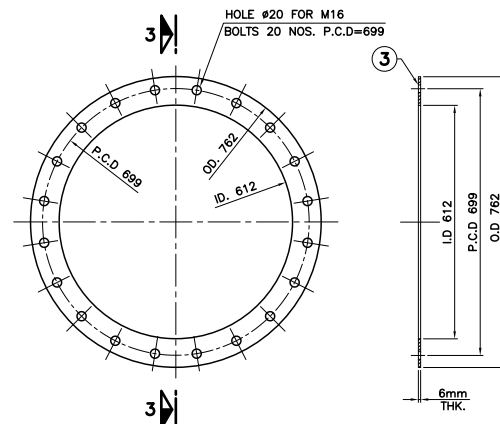


DETAIL-A



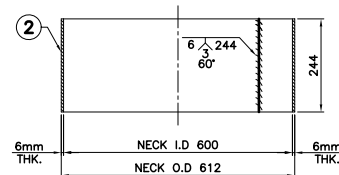
ITEM # 4

SECTION 4-4

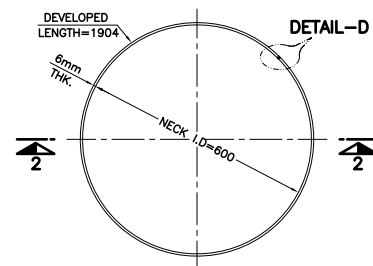


ITEM # 3

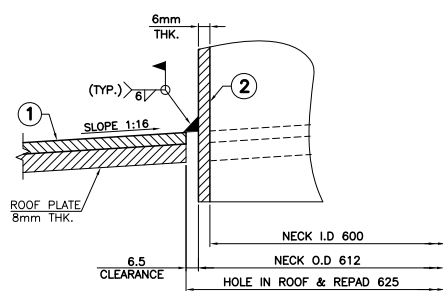
SECTION 3-3



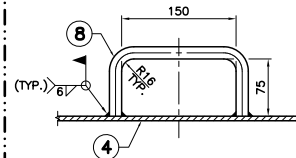
SECTION 2-2



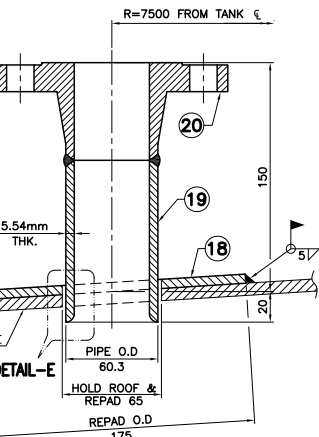
ITEM # 2



DETAIL-B

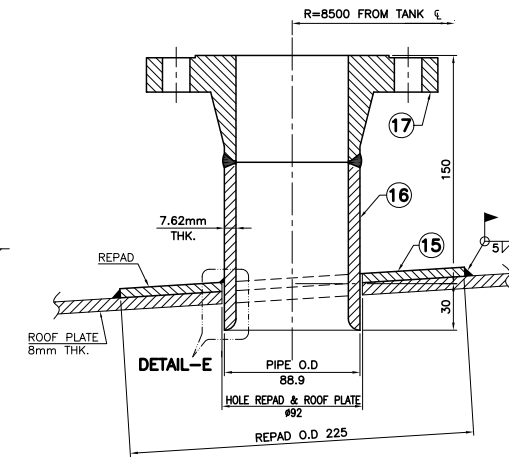


DETAIL-C



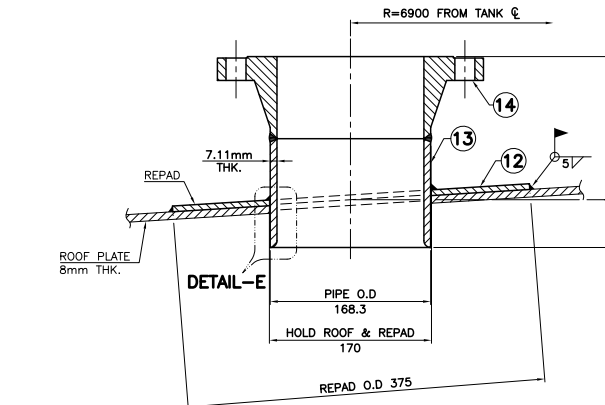
(N3) 2" TEMPERATUR ELEMENT

SCALE 1:2.5



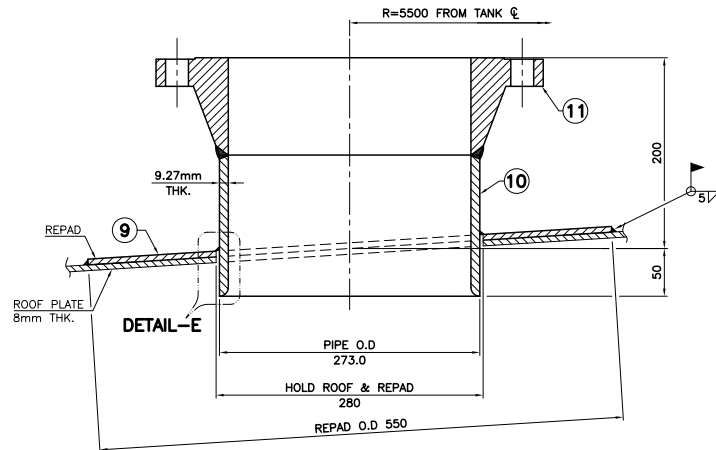
(N2) 3" LEVEL SWITCH HIGH HIGH

SCALE 1:2.5



(N4) 6" LEVEL TRANSMITTER

SCALE 1:4



(N1) 10" VPSV

SCALE 1:4

REFERENCE DRAWINGS

DESCRIPTION	DWG. Nos.
GENERAL ARRANGEMENT DRAWING FOR CONDENSATE TANK (T-6002)	165-4-MST-001
ROOF PLATE DETAILS	165-4-MST-004

20	FLANGE 2" ASME B16.5 150# W.N. R.F	1	ASTM A-105	2.70 Kg/Pc	3
19	PIPE 2" SCH.80 x 106mm LONG.	1	A-106 Gr.B	7.48 Kg/m	1
18	REINFORCING PLATE OD 175 x ID 65 x 6 THK.	1	ASTM A-36	47.1 Kg/m ²	1
17	FLANGE 3" ASME B16.5 150# W.N. R.F	1	ASTM A-105	4.50 Kg/PCs.	5
16	PIPE 3" SCH.80 x 110mm LONG.	1	ASTM-106 Gr.B	15.27 Kg/m.	2
15	REINFORCING PLATE OD 225 x ID 92 x 6 THK.	1	ASTM A-36	47.1 Kg/m ²	2
14	FLANGE 6" ASME B16.5 150# W.N. R.F	1	ASTM A-105	10.80 Kg/PCs.	11
13	PIPE 6" SCH.40 x 114mm LONG.	1	ASTM-106 Gr.B	28.26 Kg/m.	3
12	REINFORCING PLATE OD 375 x ID 170 x 6 THK.	1	ASTM A-36	47.1 Kg/m ²	4
11	FLANGE 10" ASME B16.5 150# W.N. R.F	1	ASTM A-105	24.00 Kg/Pc	24
10	PIPE 10" SCH.40 x 148mm LONG.	1	ASTM-106 Gr.B	60.31 Kg/m	9
9	REINFORCING PAD O.D 550 x I.D 280 x 6mm THK.	1	ASTM A-36	47.1 Kg/m ²	8
8	ROUND BAR #16 x 315 LONG.	2	ASTM A-36	1.58 Kg/m.	1
7	WASHER FOR M16.	40	ASTM A-36	10.6 Kg/1000 PCs.	—
6	HEX. BOLT WITH NUT M16 x 60mm LONG.	20	ASTM A-193 Gr.B7 ASTM A-194 Gr.2H FLEXIBLE GRAPHITE W/304 OR 316 SS CORRUGATED INSERT	152 Kg/1000 PCs.	3
5	GASKET O.D 762 x I.D 612 x 1/8" THK.	1	—	—	—
4	COVER PLATE O.D 762 x 6 THK.	1	ASTM A-36	47.1 Kg/m ²	21
3	BOLTING FLANGE PLATE O.D 762 x I.D 612 x 6 THK.	1	ASTM A-36	47.1 Kg/m ²	8
2	ROLLED PLATE CYLINDER 1904 x 244 x 6 THK.	1	ASTM A-36	47.1 Kg/m ²	22
1	REINFORCING PAD 6 THK. (AS SHOWN).	1	ASTM A-36	47.1 Kg/m ²	34
ITEM	DESCRIPTION	QTY.	MATERIAL	WT./UNIT	TOTAL(Kg.)
				TOTAL WT.(Kg.)	162

RE-ISSUED FOR
CONSTRUCTION

C2	04-04-2016	RE-ISSUED FOR CONSTRUCTION	YA	MMA	MAS
C1	31-08-2015	REVISED AS PER KR / XJ COMMENTS	YA	MMA	MAS
C0	05-08-2015	ISSUED FOR CONSTRUCTION	YA	MMA	MAS
REV.	DATE	DESCRIPTION OF REVISION	DRAWN	CHECKED	APPR.

CLIENT: **OIL & GAS DEVELOPMENT COMPANY LTD.**
OGDOL HOUSE TOWER-8, FIRST FLOOR F-6/6, BLUE AREA, JINNAH AVENUE ISLAMABAD PAKISTAN
FAX: +92 51 2623033, PHONE: +92 51 5020859

CONSULTANT: **Zishan Engineers (Pvt.) Ltd.**
An ISO 9001:2008 certified company
47/F Block 6, FECHS, Karachi-Pakistan
Tel: (92-21) 34393045-46 & 34310151-54, Fax: (92-21) 34533430 & 34310156
E-Mail: contact@zishanengineers.com Website: www.zishanengineers.com

DWG. NO. 165-4-MST-009
REV. C2
JOB NO. 165-4
SIZE A1
SCALE 1:10
SHEET 1 OF 1

PROJECT: KPD-TAY INTEGRATED DEVELOPMENT
PROJECT PHASE-II
TITLE: ROOF MANHOLE AND NOZZLES DETAILS FOR (20m DIA. x13.510m HT)