



REFERENCE DRAWINGS			
DESCRIPTION			DWG. Nos.
GENERAL ARRANGEMENT DRAWING FOR CONDENSATE TANK (T-6002)			165-4-MST-001
BOTTOM PLATE DETAILS			165-4-MST-002
SHELL PLATE DETAILS			165-4-MST-003
ROOF PLATE DETAILS			165-4-MST-004

ITEM	DESCRIPTION	QTY.	MATERIAL	WT./UNIT	TOTAL(Kg.)
37	ROOF HANDRAIL PIPE 1 1/2" SCH.40	62m	ASTM A-106 Gr.B	4.05 Kg/m	251
36	ROOF POST ANGLE 50x50x6 THK.1056 LONG.	57	ASTM A-36	4.46 Kg/m	268
35	BOLT M16 x 70 LONG WITH NUT & WASHER	56	ASTM A-193 Gr.B7 / ASTM A-149 2H	178.6 Kg/1000 Pcs.	10
34	BOLT M12 x 60 LONG WITH NUT & WASHER	260	ASTM A-193 Gr.B7 / ASTM A-149 2H	87.55 Kg/1000 Pcs.	23
33	CHEQUERED PLATE 710 x 80 x 6 THK.	65	ASTM A-36	49.74 Kg/m²	184
32	GRATING FOR PLATFORM (AS SHOWN), 32x5 THK (30x100 PITCH) WITH CLAMPS	2	ASTM A-36	45.54 Kg/m²	67
31	GRATING FOR PLATFORM (AS SHOWN), 32x5 THK (30x100 PITCH) WITH CLAMPS	1	ASTM A-36	45.54 Kg/m²	38
30	STAIR HANDRAIL PIPE 1 1/2" SCH.40	23m	ASTM A-106 Gr.B	4.05 Kg/m	93
29	UPN 160x950 LONG.	4	ASTM A-36	18.80 Kg/m	71
28	UPN 200 x 1027 LONG.	2	ASTM A-36	25.30 Kg/m	52
27	UPN 200 x 712 LONG.	2	ASTM A-36	25.30 Kg/m	36
26	UPN 200 x 904 LONG.	3	ASTM A-36	25.30 Kg/m	67
25	UPN 200 x 1003 LONG.	1	ASTM A-36	25.30 Kg/m	25
24	UPN 200 x 789 LONG.	1	ASTM A-36	25.30 Kg/m	20
23	UPN 200 x 1100 LONG.	3	ASTM A-36	25.30 Kg/m	83
22	UPN 200 x 904 LONG.	3	ASTM A-36	25.30 Kg/m	67
21	ANGLE 65x65x6 THK.145 LONG.	6	ASTM A-36	5.87 Kg/m	5
20	SUPPORT ANGLE 75x75x10 THK. 1163 LONG	6	ASTM A-36	10.50 Kg/m	73
19	PLATFORM POST ANGLE 50x50x6 THK. 1266 LONG.	8	ASTM A-36	4.46 Kg/m	45
18	STAIR HANDRAIL POST ANGLE 50x50x6 THK. 960 LONG.	16	ASTM A-36	4.46 Kg/m	69
17	PLATE 6 THK. (AS SHOWN).	6	ASTM A-36	47.1 Kg/m²	8
16	GUSSET PLATE 6 THK. (AS SHOWN).	4	ASTM A-36	47.1 Kg/m²	34
15	PLATE 300x300x6 THK. (AS SHOWN).	4	ASTM A-36	47.1 Kg/m²	17
14	PLATE 100x120x10 THK.	2	ASTM A-36	78.5 Kg/m²	2
13	PLATE 100x210x6 THK.	4	ASTM A-36	47.1 Kg/m²	4
12	PLATE 100x180x8 THK. (AS SHOWN).	4	ASTM A-36	62.8 Kg/m²	5
11	PLATE 100x220x8 THK. (AS SHOWN).	2	ASTM A-36	62.8 Kg/m²	3
10	ANGLE 90x90x10 THK. 265 LONG.	4	ASTM A-36	12.70 Kg/m	13
9	GUSSET PLATE 6 THK. (AS SHOWN).	6	ASTM A-36	47.1 Kg/m²	6
8	PLATE 280x150x6 THK.	6	ASTM A-36	47.1 Kg/m²	12
7	TOE BAR 100x6 THK.	67m	ASTM A-36	4.71 Kg/m	316
6	KNEE BAR 50x6 THK.	85m	ASTM A-36	2.36 Kg/m	201
5	2nd & 3rd INNER STRINGER FLAT BAR 6088 (+100)x200x10 THK.	2	ASTM A-36	78.5 Kg/m²	191
4	2nd & 3rd OUTER STRINGER FLAT BAR 6249 (+100)x200x10 THK.	2	ASTM A-36	78.5 Kg/m²	196
3	1st INNER STRINGER FLAT BAR 6527 (+100)x200x10 THK.	1	ASTM A-36	78.5 Kg/m²	102
2	1st OUTER STRINGER FLAT BAR 6755 (+100)x200x10 THK.	1	ASTM A-36	78.5 Kg/m²	106
1	GRATING TREAD 710x250 (32x5 THK.) WITH NOSING.	65	ASTM A-36	9.20 Kg/Pc.	598
ITEM	DESCRIPTION	QTY.	MATERIAL	WT./UNIT	TOTAL(Kg.)
				TOTAL WT.(Kg.)	3361

NOTE:
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.

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

CLIENT: **OIL & GAS DEVELOPMENT COMPANY LTD.**
OGDC HOUSE TOWER-B, FIRST FLOOR P-6/6, BLUE AREA, JINNAH AVENUE ISLAMABAD PAKISTAN
FAX: +92 51 2623033, PHONE: +92 51 9208959

CONSULTANT: **Zishan Engineers (Pvt.) Ltd.**
An ISO 9001-2008 certified company
47P Block 6, PECHS, Karachi-Pakistan
Tel: (92-21) 34393045-46 & 34310151-54, Fax: (92-21) 34333430 & 34310156
E-Mail: contact@zishanengineers.com Website: www.zishanengineers.com

DWG. NO. 165-4-MST-006
REV. C1
JOB NO. 165-4
SIZE A1
SCALE 1:15
SHEET 3 OF 3

PROJECT: KPD-TAY INTEGRATED DEVELOPMENT
PROJECT PHASE-II
TITLE: SPIRAL STAIRCASE, PLATFORMS AND HANDRAIL DETAILS FOR (20m DIA. x13.510m HT)