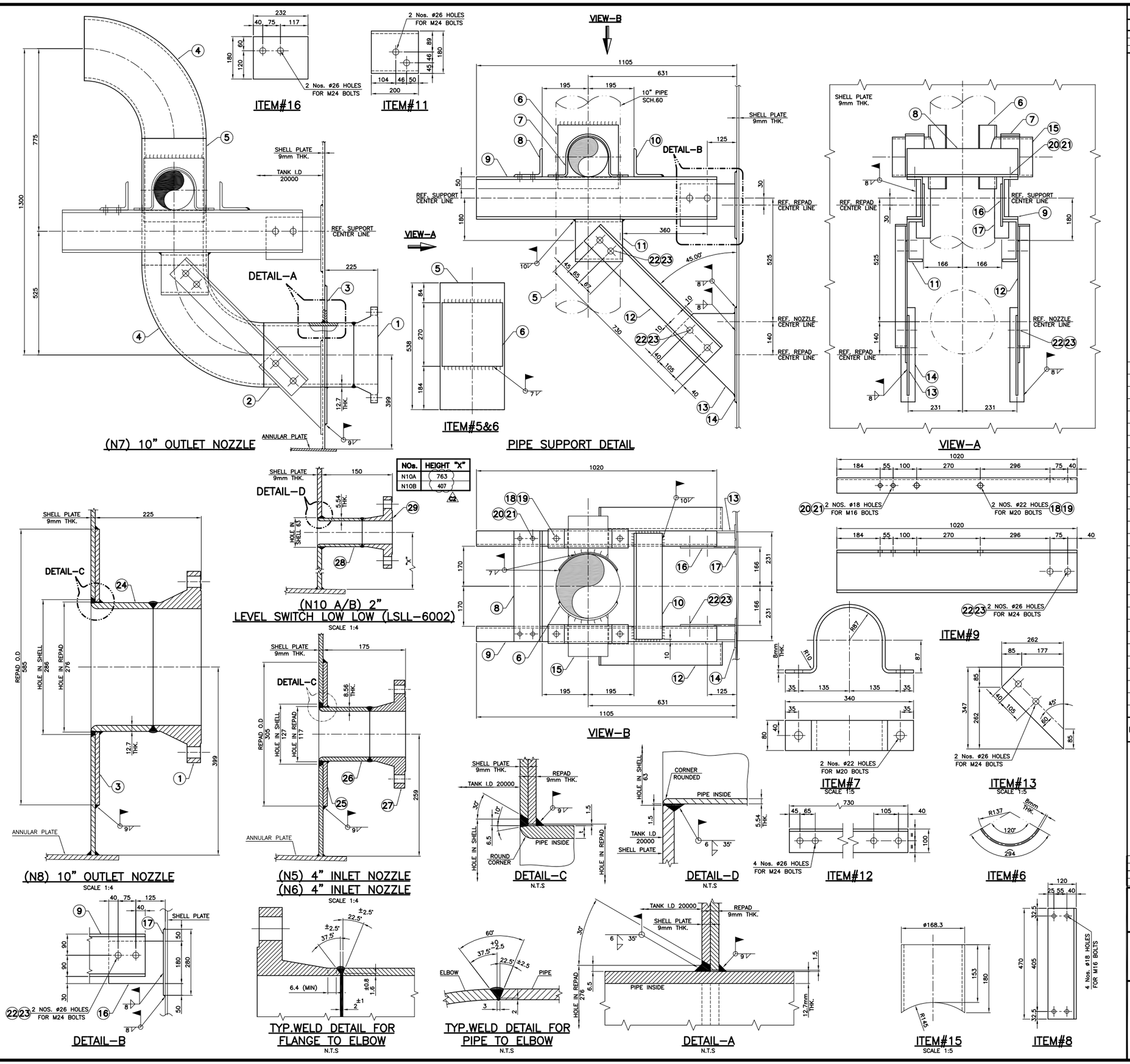

NOs.	HEIGHT "X"
N10A	763
N10B	407

REFERENCE DRAWINGS

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

RE-ISSUED FOR CONSTRUCTION

ITEM	DESCRIPTION	QTY.	MATERIAL	WT./UNIT	TOTAL(Kg.)
29	FLANGE 2" ASME B16.5 150# W.N. R.F	2	ASTM A-105	2.70 Kg/Pc	5
28	PIPE 2" SCH.80 x 95mm LONG.	2	A-106 Gr.B	7.48 Kg/m	1
27	FLANGE 4" ASME B16.5 150# W.N. R.F	2	ASTM A-105	7.00 Kg/Pc	14
26	PIPE 4" SCH.80 x 108mm LONG.	2	A-106 Gr.B	22.32 Kg/m	5
25	REINFORCING PAD O.D 305 x I.D 117 x 9mm THK.	2	ASTM A-36	70.65 Kg/m²	9
24	PIPE 10" SCH.60 x 264mm LONG.	1	A-106 Gr.B	81.55 Kg/m	22
23	WASHER FOR M24 BOLTS.	24	M.S	32.3 Kg/1000 PCs	–
22	HEX. BOLTS M24 x 120 LONG WITH TWO NUTS.	12	ASTM A-194 Gr.2H ASTM A-193 Gr.B7	61.70 Kg/100 PCs	7
21	WASHER FOR M16 BOLTS.	8	M.S	10.6 Kg/1000 PCs	–
20	HEX. BOLTS M16 x 70 LONG WITH TWO NUTS.	4	ASTM A-194 Gr.2H ASTM A-193 Gr.B7	16.9 Kg/100 PCs	1
19	WASHER FOR M20 BOLTS.	8	M.S	16.4 Kg/1000 PCs	–
18	HEX. BOLTS M20 x 100 LONG WITH TWO NUTS.	4	ASTM A-194 Gr.2H ASTM A-193 Gr.B7	355 Kg/1000 PCs	1
17	PLATE 280x60x8mm THK.	2	ASTM A-36	62.8 Kg/m²	2
16	PLATE 232x180x8mm THK.	2	ASTM A-36	62.8 Kg/m²	5
15	PIPE 6" SCH.40 x 180mm LONG.	2	A-106 Gr.B	28.26 Kg/m	10
14	PLATE 400x60x8mm THK.	2	ASTM A-36	62.8 Kg/m²	3
13	PLATE 8mm THK. (AS SHOWN)	2	ASTM A-36	62.8 Kg/m²	13
12	ANGLE 100x100x10mm THK. 730 LONG.	2	ASTM A-36	15.00 Kg/m	22
11	UPN 180 200 LONG.	2	ASTM A-36	22.00 Kg/m	9
10	ANGLE 120x120x10mm THK. 450 LONG.	1	ASTM A-36	18.20 Kg/m	8
9	UPN 180 1020 LONG.	2	ASTM A-36	22.00 Kg/m	45
8	ANGLE 120x120x10mm THK. 470 LONG.	1	ASTM A-36	18.20 Kg/m	9
7	CLAMP PLATE 598x80x8mm THK.	2	ASTM A-36	62.8 Kg/m²	6
6	PLATE 294x270x8mm THK.	2	ASTM A-36	62.8 Kg/m²	10
5	PIPE 10" SCH.60 x 538mm LONG.	1	A-106 Gr.B	81.55 Kg/m	44
4	ELBOW 10" x 90°LR x SCH. 60.	2	A-234 Gr. WPB	48.60 Kg/Pc	97
3	REINFORCING PAD O.D 585 x I.D 276 x 9mm THK.	2	ASTM A-105	70.65 Kg/m²	30
2	PIPE 10" SCH.60 x 382mm LONG.	1	A-106 Gr.B	81.55 Kg/m	31
1	FLANGE 10" ASME B16.5 150# W.N. R.F	2	ASTM A-105	24 Kg/Pc	48
				TOTAL WT.(Kg.)	457

NOTE:

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.

REV.	DATE	DESCRIPTION OF REVISION	DRAWN	CHECKED	APPR.
C2	06-02-2016	RE-ISSUED FOR CONSTRUCTION	MH	MMA	MAS
C1	31-08-2015	REVISED AS PER KR / XJ COMMENTS.	MH	MMA	MAS
C0	05-08-2015	ISSUED FOR CONSTRUCTION	MH	MMA	MAS

CLIENT.

OIL & GAS DEVELOPMENT COMPANY LTD.

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DWG. NO. 165-4-MST-007

REV. C2

PROJECT : KPD-TAY INTEGRATED DEVELOPMENT PROJECT PHASE-II

JOB NO. 165-4

TITLE : SHELL MANHOLES, NOZZLES AND EARTHING LUGS DETAILS FOR (20m DIA. x13.510m HT)

SIZE	SCALE	SHEET
A1	1 : 8	2 OF 2