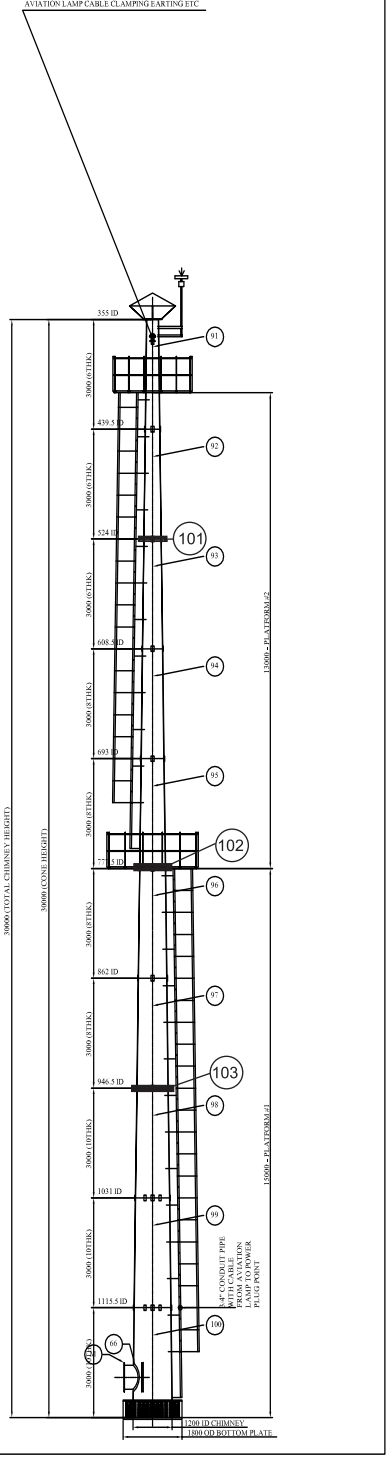
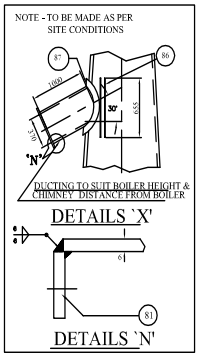
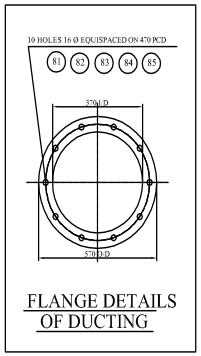
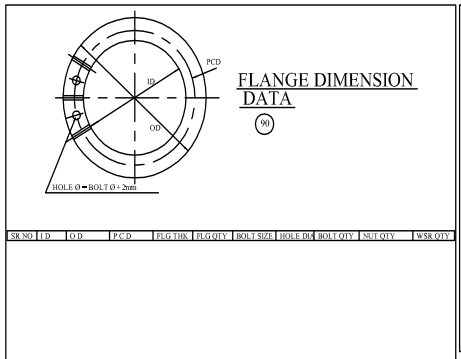
CAD REF.	IF IN DOUBT , PLEASE ASK. DO NOT SCALE THE DRG.	WHERE USED :- 2 TON BOILER	SUB. ASSLY.:-	CAT.	PART CODE NO.

SR NO	DESCRIPTION	QUANTITY	MATERIAL	REMARK
1	PLATE 6 THK	12	IS 2062	PLATFORM
2	HAND RAIL FOR PLATFORM 20NB PIPE	2	ERW	PLATFORM
3	HAND RAIL STANCHION 985x50x10T	13	IS 2062	PLATFORM
4	FLAT 25x3	2	M.S.	PLATFORM
5	FLAT 50x6	2	IS 2062	PLATFORM
6	PLATE 200x200x10THK	26	IS 2062	PLATFORM
7	ISMC 100x50x1000LONG	13	--	PLATFORM
8	ISA 75x75x8T(PLATFORM RESTING)	2	--	PLATFORM
9	ANGLE (50x50x6)x250LONG	26	STD	PLATFORM
10	MS ROUND BAR Ø20x425	83	M.S.	PLATFORM
11	SAMPLING NOZZLE	-	STD	PLATFORM
12	CONDUIT PIPE 1"	1	M.S.	PLATFORM
13	ISA 65x65x6T	1	M.S.	PLATFORM
14	REFER PLATFORM DETAILS - TABLE	-	--	PLATFORM
16	ISA (50x50x8THK)	-	STD	PAINTER PU
17	STD PULLY CAPACITY 500KG	1	STD	PAINTER PU
18	PULLY PIN 20dx120	1	M.S.	PAINTER PU
19	6x0 SPLIT PIN	-	M.S.	PAINTER PU
21	COPPER LIGHTING ARRESTOR	1	COPPER	LIGHTING
22	1/2" BSP SOCKET	1	STD	LIGHTING
23	1/2" GI PIPEx 900LG	1	STD	LIGHTING
24	INSULATION CAP	2	STD	LIGHTING
25	FLAT (25x3x300LG)	2	M.S.	LIGHTING
26	M10 STUD AND NUT X100LG	1&2	--	LIGHTING
27	GI EARTH CONDUCTOR OF 25x6	-	--	LIGHTING
31	PLATE 6 THK	-	IS 2062	HOOD
32	FLAT 25x3THK	4	IS 2062	HOOD
33	14 SWG M. S. SHEET	-	M.S.	HOOD
34	NUT M12	4	HT	HOOD
35	BOLT M12	4	M.S.	HOOD
36	WASHER M12	8	M.S.	HOOD
37	ASBESTOS TAPE 50x3T 1781.3THK	1	STD	HOOD
42	M10x15 LONG NUT, BOLT(GI)	-	HT	EARTHING
43	INSULATOR	60	--	EARTHING
44	BRASS WASHER	120	BRASS	EARTHING
45	M16x65 LONG STUD AND NUT(GI)	60	G.I.	EARTHING
46	BOLT M8x65	60	HT	EARTHING
47	CI COVER HINGE TO CI FRAME 300x300x3T	1	STD	EARTHING
48	FUNNEL 1.1/2" B.S.P. THREADED	1	G.I.	EARTHING
49	COPPER PLATE (300x300x3THK)	1	COPPER	EARTHING
50	WIRE MESH OR CAP	1	--	EARTHING
51	65x8x300LG GI EARTH STRIP	1	--	EARTHING
61	PLATE 6THK	1	IS 2062	INSP HOLE
62	ASBESTOS TAPE 50x3Tx1730	1	STD	INSP HOLE
63	BOLT M8	12	HT	INSP HOLE
64	NUT M8	12	M.S.	INSP HOLE
65	WASHER M8	24	M.S.	INSP HOLE
66	PAD FOR INSPCTION HOLE 0x 100 WIDE	1	IS 2062	INSP HOLE
67	BLIND FLANGE	1	IS 2062	INSP HOLE
71	NUT M32	20	M.S.	FOUDATION
72	TOP PLATE 24THK	1	IS 2062	FOUDATION
73	BOLT M32x1820, 200 LONG THREADS	20	M.S.	FOUDATION
74	GUSSET PLATE 296.5 x 450 x 10THK	40	IS 2062	FOUDATION
75	BOTTOM PLATE 48THK	1	IS 2062	FOUDATION
76	ISMC 100x50x100L 48THK	20	--	FOUDATION
77	DRAIN PIPE 25NBx1000LONG	1	--	FOUDATION
81	PLATE 10THK	1	IS 2062	DUCT FLG
82	ASBESTOS TAPE 50x3T 1790.7THK	1	STD	DUCT FLG
83	BOLT M16	10	HT	DUCT FLG
84	NUT M16	10	M.S.	DUCT FLG
85	WASHER M16	20	M.S.	DUCT FLG
86	STIFFENER PLATE 655x100x10THK	8	IS 2062	DOORDUCT
87	PAD PLATE 10THK X 100 WIDE	1	IS 2062	DOORDUCT
88	FLANGE GUSSET PLATE 125 x 100 x 8THK	0	IS 2062	FLG GUST
89	ASBESTOS TAPE 50x3T 1790.7THK	1	STD	FLG GUST
90	REFER FLANGE DIMENSION DATA	-	--	FLG GUST
91	PLATE 3012.6 x 1380.3 x 6THK	1	IS 2062	SHELL
92	PLATE 3015.6 x 1645.7 x 6THK	1	IS 2062	SHELL
93	PLATE 3018.5 x 1911 x 6THK	1	IS 2062	SHELL
94	PLATE 3021.4 x 2176.4 x 8THK	1	IS 2062	SHELL
95	PLATE 3024.4 x 2441.8 x 8THK	1	IS 2062	SHELL
96	PLATE 3027.3 x 2707.2 x 8THK	1	IS 2062	SHELL
97	PLATE 3030.2 x 2972.5 x 8THK	1	IS 2062	SHELL
98	PLATE 3033.2 x 3237.9 x 10THK	1	IS 2062	SHELL
99	PLATE 3036.1 x 3503.3 x 10THK	1	IS 2062	SHELL
100	PLATE 3039.1 x 3768.7 x 10THK	1	IS 2062	SHELL
101	724.OD, 524.ID, 36 HOLES, 18 DIA EQUISPACED ON 624 PCD, 10THK	2	MS	FLANGE
102	879.OD, 779.ID, 36 HOLES, 18 DIA, EQUISPACED ON 975 PCD, 10THK	2	MS	FLANGE
103	1147.OD, 946.ID, 16 HOLES, 18 DIA EQUISPACED ON 1063 PCD, 10THK	2	MS	FLANGE

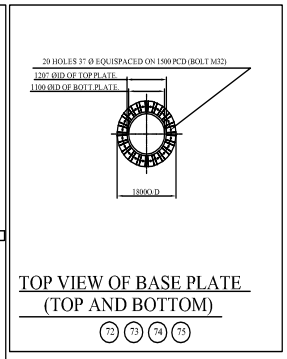


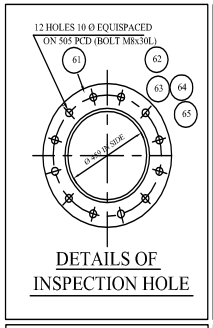


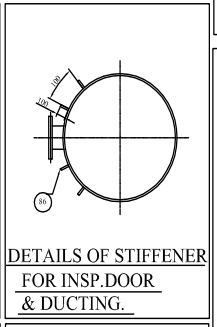


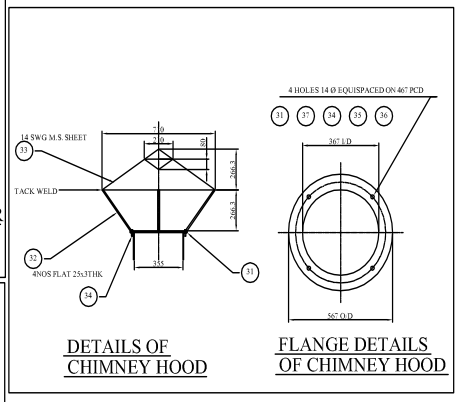


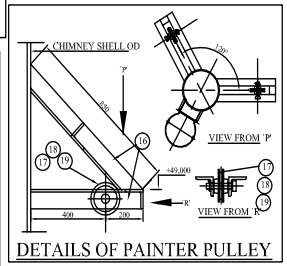
SR NO	I.D	O.D	P.C.D	FLG THK	FLG QTY	BOLT SIZE	HOLE DIA	BOLT QTY	NUT QTY	WSR QTY

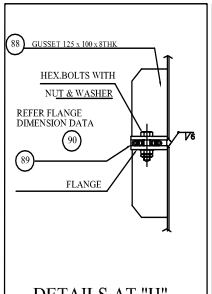


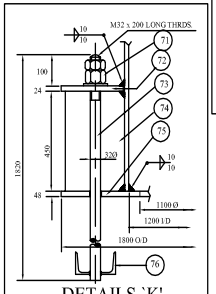


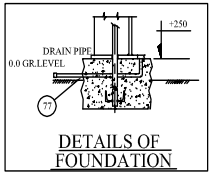


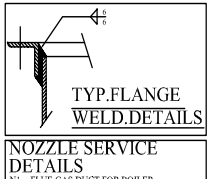




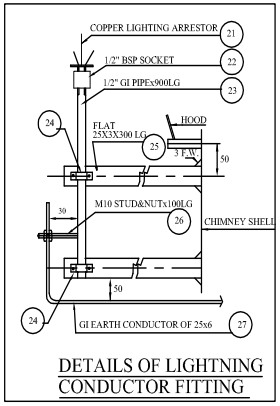


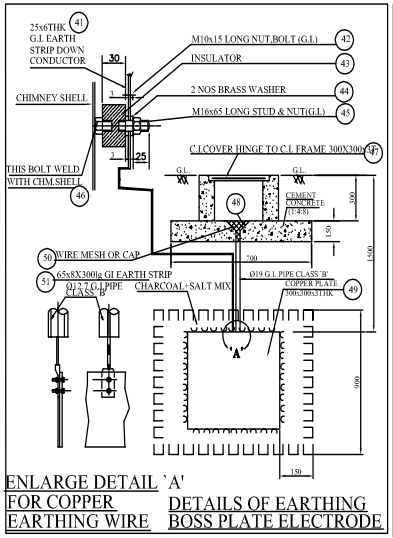


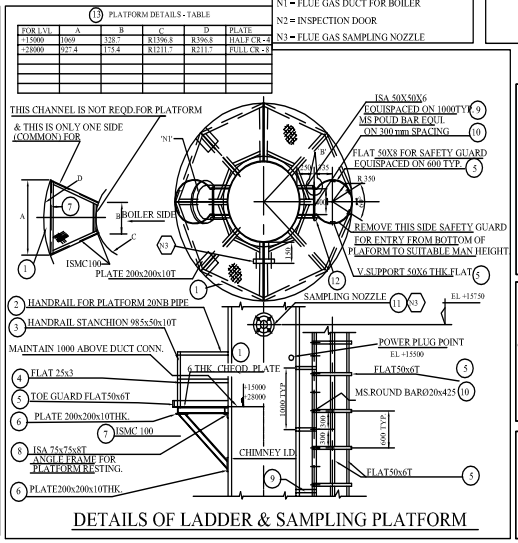


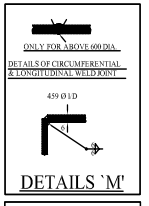


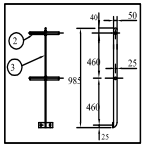
NOZZLE SERVICE DETAILS
N1 = FLUE GAS DUCT FOR BOILER
N2 = INSPECTION DOOR
N3 = FLUE GAS SAMPLING NOZZLE

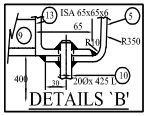












NOTE : -

1. CORROSION ALLOWANCE 1.5mm
2. CHIMNEY DESIGN AS PER IS:6533 (1989)
3. FOUNDATION DESIGN DEPENDING UPON GIVEN LOADING & LOCAL SOIL CONDITION & IN CLIENTS SCOPE.
4. MATERIAL OF CONSTRUCTION IS AS PER IS:2062
5. CHIMNEY BOTTOM (EXTERNALLY) UP TO 1.2 METER HEIGHT SHOULD BE SUITABLY INSULATED MATTRESS (100Kg/m3) WITH CLADDING BACKED BY 10 SWG M.S.SHEET.
6. EARTHING & LIGHTENING ARRESTOR BROUGHT DOWN TO THE FDN.TOP LEVEL TO BE ISOLATED FROM MAIN BODY.
7. THE CHIMNEY,LADDER,CAGE,INETRMIDIATE PLATFORMS ETC TO BE PAINTED WITH HEAT RESISTANT PRIMER, TWO COATS OF HEAT & CORROSION RESISTANT ALUMINIUM PAINT ON COMPLATION OF ERECTION & PRIOR TO COMMISSIONING.
8. CHIMNEY IS TO BE CLEANED WITH WIRE BRUSH INTERNALLY & GIVEN TWO COATS OF HEAT RESISTANT BLACK BITUMIN. PAINT.
9. VENDER SHOULD PROVIDE CHIMNEY BASE PLATE (5mmTHK) STOOL TEMPLATE FOR FOUNDATION PURPOSE. WITH FOUNDATION BOLTS.
10. FOUNDATION BOLT SIZE & LENGTH NEEDS TO BE GET CHECKED BY CLIENT BASED ON ACTUAL SITE CONDITIONS.

1. STATIC LOAD ON CHIMNEY FOUNDATION = 89003 kg
2. DESIGN WIND PRESSURE = 112.693 kg/m2
3. TOTAL DESIGN BENDING MOMENT (MK) = 70846 kg-m
4. TOTAL DESIGN SHEAR LOAD = 2452 kg

CLIENT : HLL Lifecare Ltd.
CONSULTANT : HLL Lifecare Ltd.
LOCATION : Akkulam

	APPD			
	CHD			
	DRN	Aneesh.T	23-07-2014	
ECN	DATE	MODIFICATION	CHKD.	NAME / DATE

HLL Lifecare Ltd.
TITLE CHIMNEY DETAILS
SCALE 1:75
DRG.NO. HLL/AFT/ENGG/CHM-01

5th FOLD