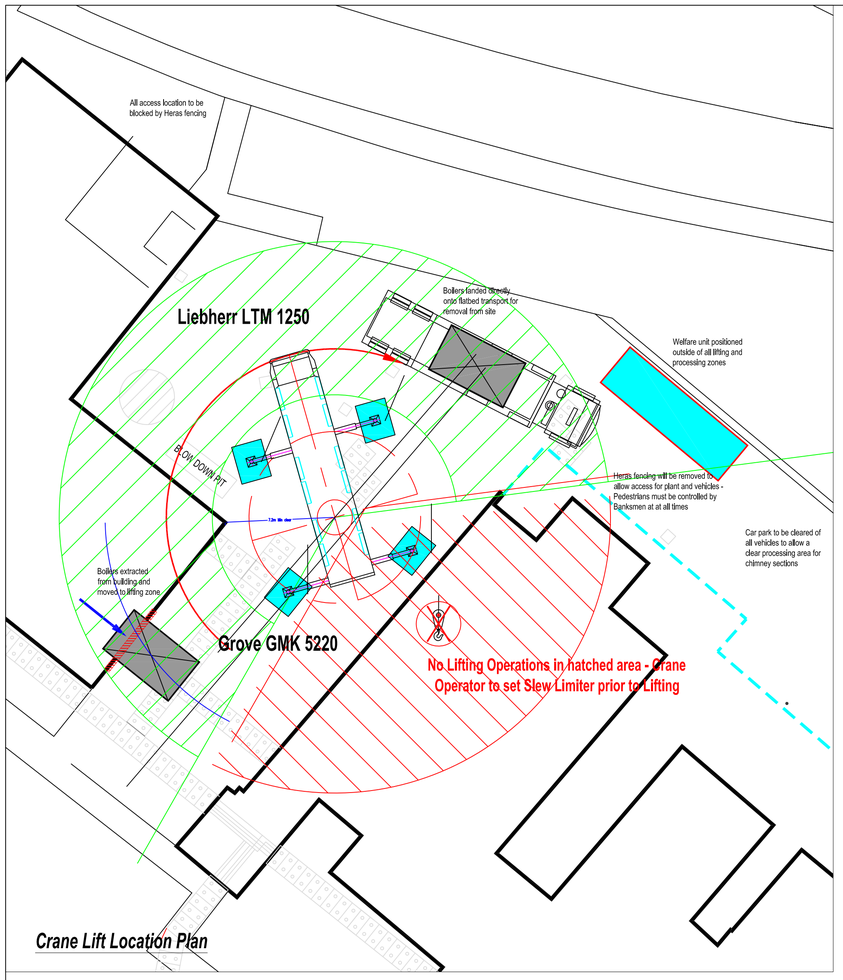
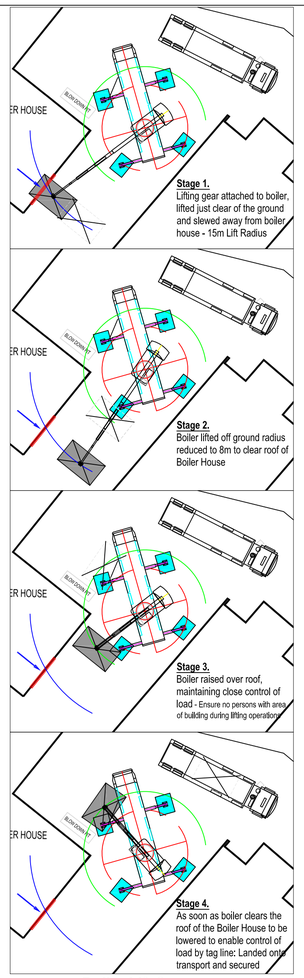
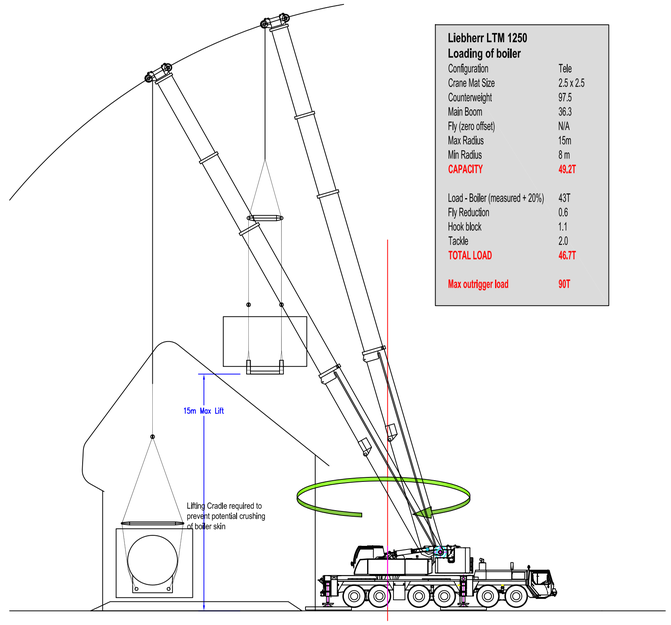


Crane Lift Location Plan



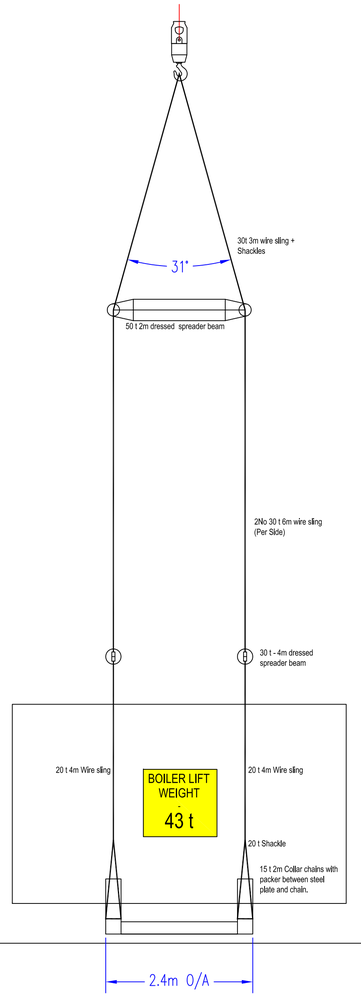
Boiler Lift Sequence

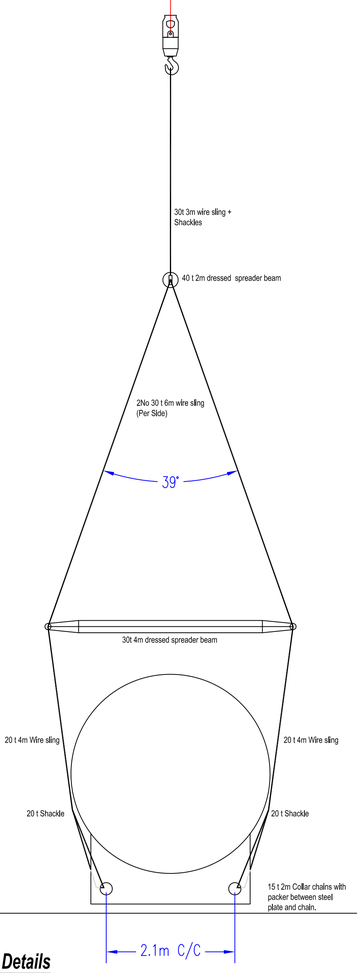


Liebherr LTM 1250
Loading of boiler

Configuration	Tele
Crane Mat Size	2.5 x 2.5
Counterweight	97.5
Main Boom	36.3
Fly (zero offset)	N/A
Max Radius	15m
Min Radius	8 m
CAPACITY	**49.2T**
Load - Boiler (measured + 20%)	43T
Fly Reduction	0.6
Hook block	1.1
Tackle	2.0
TOTAL LOAD	**46.7T**
Max outrigger load	**90T**

Lifting Crane Section

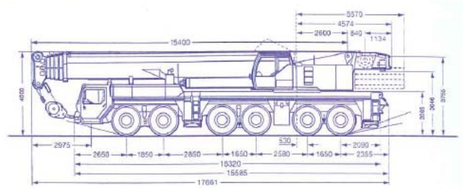


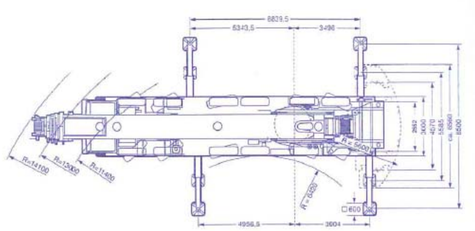


Boiler Slinging Details

Status - For Approval

Dimensions





Load Reductions (Fly Jib Stowed)

Boom Length (m)	15.5	20.7	25.9	31.3	36.3	41.5	46.7	51.9	67.5	72
Load to be Deducted (t)	1.4	1.1	0.9	0.7	0.6	0.5	0.5	0.4	0.4	0.3

Hookblock

Capacity (t)	176.4	134.8	108.3	71	31.3	10.6
Weight (t)	2	1.5	1.45	1.04	0.87	0.5

Liebherr LTM 1250-1

Lifting Capacities on Telescopic Boom

97.5t Counterweight

Main Boom (m)	15.5		20.7	25.9	31.1	36.3	41.5	46.7	51.9	57.1	62.3	67.5	72
Radius (m)	*												
3	250	176											
3.5	173	173	135										
4	157	157	135	117									
4.5	144	144	134	117									
5	136	136	122	116	86								
6	123	123	115	109	86	71							
7	112	112	104	100	84	70	55						
8	102	101	96	92	82	69	55	43					
9	93	91	89	85	79	68	54	42.5	33.5				
10	84	83	83	79	74	65	54	40.5	33.5	26.2			
11	74	74	76	73	69	62	53	38.5	32.5	26.2	20.7		
12	63	63	69	69	65	58	51	37	31.3	26.2	20.7	17	
14			58	58	57	52	46	33.5	29.2	24.8	20.6	16.9	14
16			49.5	49.5	49	46.5	42	29.9	26.6	23.3	19.9	16.8	14
18			25.8	43	42.5	42.5	38.5	27.2	24.3	21.6	18.9	16.2	13.9
20				37.5	37	38	35.5	25.2	22.1	19.9	17.7	15.6	13.5
22				32.5	32.5	33.5	32.5	23.7	20	18.4	16.5	14.8	13.1
24					28.9	31	30	22.4	18.4	17	15.4	14	12.4
26					25.8	28.4	27.6	21.1	17.2	15.6	14.4	13.2	11.7
28					21.1	25.7	24.9	20	16	14.4	13.4	12.4	11
30						23.4	22.6	18.9	15	13.3	12.5	11.7	10.4
32						21.5	20.6	18.1	14	12.5	11.7	11	9.8
34							18.8	17.4	13.1	11.7	10.9	10.3	9.2
36							17.3	16.8	12.6	11	10.2	9.7	8.7
38							15	16.2	12	10.3	9.6	9.1	8.1
40								15.4	11.6	9.8	9	8.5	7.7
42								14.3	11.1	9.2	8.5	7.9	7.2
44								6.3	10.6	8.8	8.1	7.4	6.7
46									10.2	8.3	7.7	6.9	6.3
48									9.8	7.9	7.4	6.4	5.9
50										7.6	7	6.1	5.5
52										7.4	6.7	5.7	5.2
54										6.6	6.4	5.3	4.9
56											6.1	5	4.6
58												4.7	4.3
60												4.3	4
62												4	3.7
64													3.4
66													3.1

Liebherr LTM 1250 Details and Lift Capacities

SKANSKA

ASSOCIATED DRAWINGS

No.	TITLE
-	-

NOTES

1. Clearance and removals will only be carried out under the supervision of Site Supervisor. All lifting operations will be carried out under the close control of Lifting Supervisor.
2. Additional Heras fencing will be deployed within the site boundary to establish area safe lifting zones
3. At no time will any works of personnel be allowed below lifting operations.
4. PERMIT TO LIFT will be obtained from Skanska prior to commencing .
5. Access to the site will be security controlled at all times. No persons will permitted on site without signing in and attending site induction. No work to be carried out without approved Method Statement and Risk Assessment

REV	DESCRIPTION	AUTH	DATE
B	Boiler weight increased - lift tackle amended and sequence added	EWA	17.02.11
A	Boiler weight confirmed - crane changed	EWA	15.02.11

AMENDMENTS

Kingsmill Hospital
Boiler House

BOILER LIFT PLAN

CLIENT
Skanska

COLEMAN & COMPANY
DEMOLITION | LAND REMEDIATION | BULK EXCAVATION
Shady Lane, Great Barr, Birmingham, B44 9ER.
Tel: + 44 (0)121 325 2424. Fax: + 44 (0) 121 325 2425
www.coleman-co.com contracts@coleman-co.com

DRAWING No		
C011.004 Rev B		
SCALE 1:500 @ A1	DATE 31st Jan 2011	
E. Aslin	SIG.	CHECKED BY