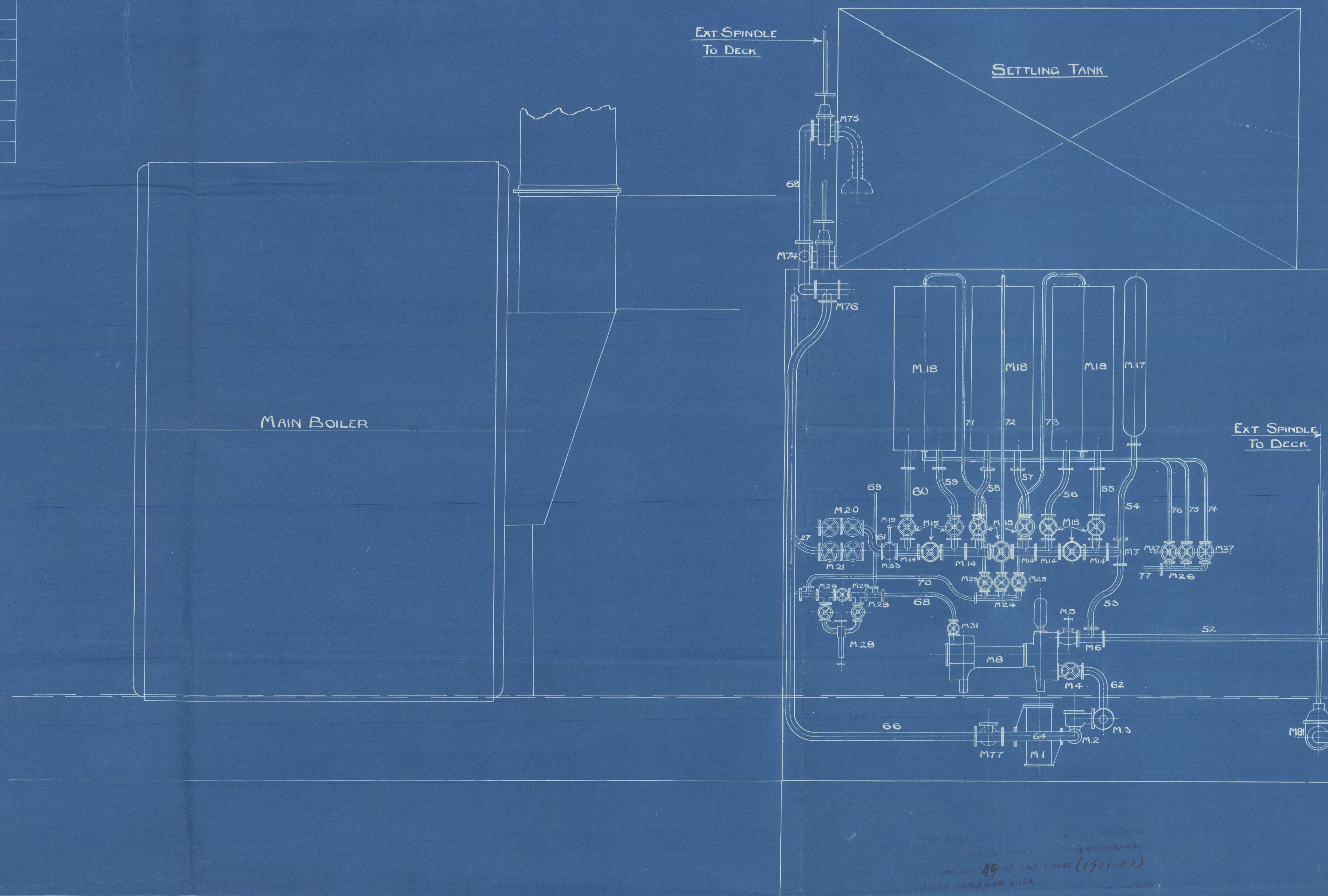


FITTING LIST				
MARK	BORE	Nº OFF	MATERIAL	DESCRIPTION
M1	3"	1	C.I.	DUPLEX SUCTION FILTER
2	3"	1	"	2-WAY VALVE BOX SUCTION THRO' FILTER & DIRECT
3	5x3x1/4"	1	"	T-PIECE, DUPLEX PUMP SUCTION LINE
4	3"	2	"	SLUICE VALVE " " "
5	2"	2	"	STOP " " " DISCHARGE
6	2x1/2x2"	1	"	T-PIECE " " "
7	1 1/2"	1	"	" " " " TO AIR VESSEL
8	5x3x8"	2	"	DUPLEX FUEL PUMPS
14	1 1/2"	6	"	T-PIECES ON HEATER RANGE
15	1 1/2"	9	"	STOP VALVES " " "
17	8"	1	"	AIR VESSEL " " "
18	Nº3	3	"	OIL FUEL HEATERS
19	1 1/2"	1	"	THERMOMETER FITTING ON UNIT
20	1 1/2"	1	C.I.	DISCHARGE FILTER
21	1 1/2"	4	"	T-VALVES ON DISCHARGE FILTER
22	1"	1	"	HAND PUMP
23	1 1/4"	1	G.M.	STOP VALVE ON HAND PUMP
24	1x3/4x3/4"	1	"	BRANCH PIECE STEAM TO HEATERS
25	3/4"	3	"	STOP VALVES " " "
26	1x3/4x3/4"	1	"	BRANCH PIECE DRAIN FROM "
27	3/4"	3	"	STOP VALVES " " "
28	3/4"	1	"	PUMP GOVERNOR
29	3/4"	3	"	" " " T-PIECES
30	3/4"	3	"	" " " STOP VALVES
31	3/4"	2	"	STOP VALVES STEAM TO DUPLEX PUMPS
33	1 1/2"	1	C.I.	THERMOMETER POCKET
34	4"	4	"	PRESSURE GAUGES AND BOARD
35	1x1/2x1"	1	C.I.	T-PIECE DISCHARGE TO BOILERS
36	1 1/2"	1	"	STOP VALVE " " PORT BOILERS
37	1"	1	"	" " " " STAR "
38	1x3/4x3/4"	1	"	CROSS PIECE " " PORT "
39	3/4"	5	"	STOP VALVE MASTER FOR EACH BOILER
40	3/4"	5	"	THERMOMETER FITTING " " "
41	3/4"	5	"	DOUBLE BURNER TEE " " "
42	3/4"	5	"	SINGLE " " " "
43	3/4x1/2"	5	"	" " " " " "
44	1/2"	5	"	STOP VALVE OIL RETURN ON BOILER FRONT
45	1x1/2x3/4"	1	"	T-PIECE " " FROM WING BOILERS
46	1x1/2x3/4"	1	"	" " " " CENTRE & STAR BOILERS
47	3/4"	2	"	STOP VALVES " " " BOILERS
48	3/4x1"	1	"	T-PIECE " " TO SUCTION FILTER
49	3/4x1/2x1/4"	1	"	" DISCHARGE TO FOR <sup>D</sup> STAR BOILER
50	1/2"	1	"	STOP VALVE DISCHARGE FROM PREHEATER
51	1x3/4x3/4"	1	"	T-PIECE " " TO STAR BOILERS
52	1"	1	"	PREHEATER
53	1x1/2x1/4"	1	C.I.	T-PIECE OIL RETURN & HAND PUMP SUCTION
54	1"	1	"	GLOBE VALVE RETURN TO SUCTION LINE
74	4"	2	W.I.	T-PIECE SETTLING TANK " "
75	4"	2	C.I.	SLUICE VALVE " " HIGH SUCTION
76	4"	1	W.I.	T-PIECE " " SUCTION
77	5x3x3/4"	1	C.I.	BRANCH PIECE DUPLEX PUMP SUCTION LINE
78	3/4x3/4x3/8"	1	W.I.	T-PIECE TRANSFER PUMP DISCHARGE TO TANKS
79	3"	1	"	" AUX <sup>Y</sup> " " " " "
80	3"	1	C.I.	GLOBE VALVE " " " " "
81	1"	1	"	SLUICE VALVE OIL FUEL BUNKER LEVELING
82	2"	2	W.I.	ELBOW " " " " "

PIPE LIST			
MARK	BORE	MATERIAL	DESCRIPTION
18x2	1 1/2"	SDS	OIL FUEL RETURN FROM STAR BOILERS
3	3/4"	"	" " " " " " "
4	3/4"	"	" " " " " CENTRE "
5	3/4"	"	" " " " " STAR & CENTRE BOILERS
6	1"	"	" " " " " BOILERS
7	3/4"	"	" " " " " PORT BOILERS
8x9	1 1/2"	"	" " " " " " " "
10x14	3/4"	"	" " " " " DISCHARGE TO AFT PORT & CENTRE BOILERS
15	1 1/2"	"	" " " " " PORT " " "
16	3/4"	"	" " " " " CENTRE BOILER, STAR,
17	1"	"	" " " " " STAR BOILERS
18x24	3/4"	"	" " " " " " " "
25x26	1 1/2"	"	" " " " " FROM PREHEATER
27	1 1/2"	"	" " " " " DUPLEX PUMPS
28x30	3/4"	"	" " " " " TO FOR <sup>D</sup> PORT BOILER
31x50	3/8"	"	" " " " " BURNERS
51	1 1/4"	W.I.	HAND PUMP SUCTION
52	2"	SDS	DUPLEX PUMP DISCHARGE TO BOILERS
53x61	1 1/2"	"	" " " " " " " "
62x66	3"	W.I.	" " " SUCTION LINE
67	3"	"	AUX TRANSFER PUMP DISCHARGE TO TANK LINE
68x69	3/4"	SDC	STEAM TO OIL FUEL DUPLEX PUMPS
70	1"	"	" " " HEATERS
71x73	3/4"	"	" " " " " " "
74x76	3/4"	"	DRAIN FROM " " " "
77	1"	"	" " " " " " "



BOILER ROOM PIPE ARRANGEMENT  
OIL FUEL INSTALLATION (TODD SYSTEM)

S.S. MIDDLESEX

SCALE = 1/2" = 1 FOOT

DRAWING N° 45359

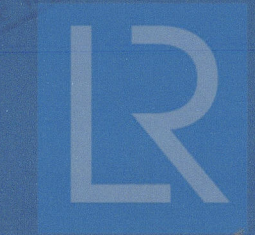
15-10-24

2 SHEETS

SHEET N° 2

ELEVATION LOOKING TO PORT

20-11-24



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St. Mary address

Boiler room pipe arrangement.

W53-0152

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