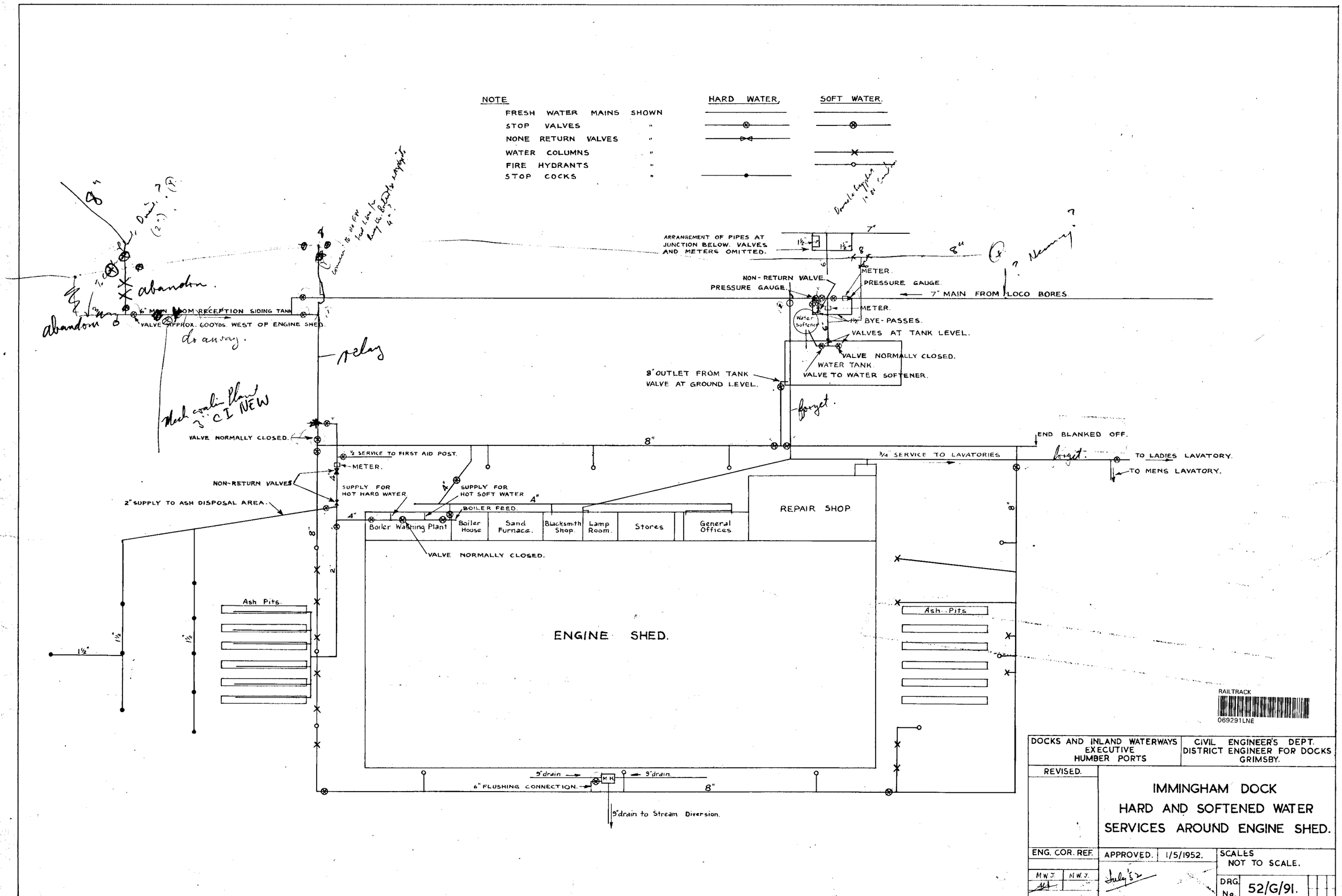
KEEPING BRITAIN TRADING

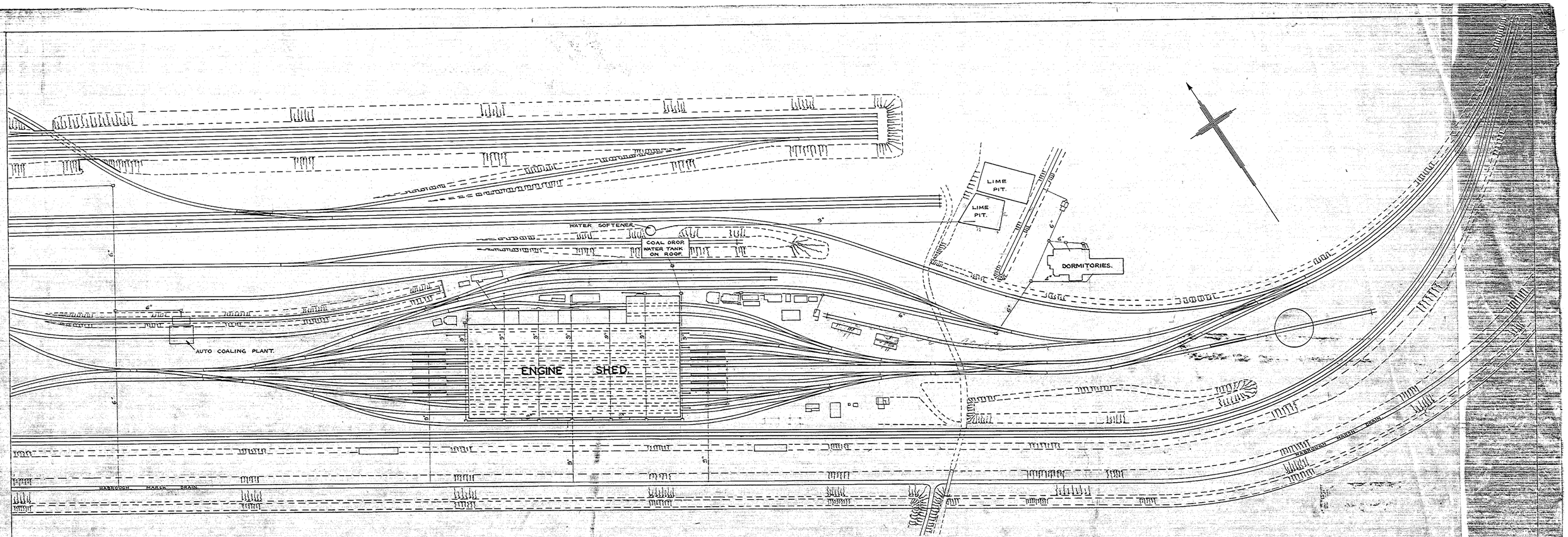
IMMINGHAM EASTERN RO-RO TERMINAL

Environmental Statement: Volume 3
Appendix 12.1: Phase 1 Desk Study - Part 3
Document Reference: 8.4.12 (a)

APFP Regulations 2009 – Regulation 5(2)(a) and 5(2)(e)
PINS Reference – TR030007

February 2023


NOTE
HARD WATER.
SOFT WATER.
FRESH WATER MAINS SHOWN
STOP VALVES "
NONE RETURN VALVES "
WATER COLUMNS "
FIRE HYDRANTS "
STOP COCKS "
ARRANGEMENT OF PIPES AT JUNCTION BELOW. VALVES AND METERS OMITTED.
METER.
NON-RETURN VALVE.
PRESSURE GAUGE.
PRESSURE GAUGE.
7" MAIN FROM LOCO BORES
METER.
BYE-PASSES.
VALVES AT TANK LEVEL.
VALVE NORMALLY CLOSED.
WATER TANK.
VALVE TO WATER SOFTENER.
8" OUTLET FROM TANK VALVE AT GROUND LEVEL.
6" MAIN FROM RECEPTION SIDING TANK
VALVE APPROX. 600YDS. WEST OF ENGINE SHED.
abandon.
do away.
relay
Mech coaling Plant 3" CI NEW
VALVE NORMALLY CLOSED.
½ SERVICE TO FIRST AID POST.
METER.
NON-RETURN VALVES
SUPPLY FOR HOT HARD WATER
SUPPLY FOR HOT SOFT WATER
2" SUPPLY TO ASH DISPOSAL AREA.
BOILER FEED.
Boiler Washing Plant
Boiler House
Sand Furnace.
Blacksmith Shop.
Lamp Room.
Stores
General Offices
REPAIR SHOP
VALVE NORMALLY CLOSED.
END BLANKED OFF.
¾" SERVICE TO LAVATORIES
TO LADIES LAVATORY.
TO MENS LAVATORY.
Ash Pits.
Ash Pits
ENGINE SHED.
9" drain
9" drain.
6" FLUSHING CONNECTION.
M.H.
9" drain to Stream Diversion.
RAILTRACK
069291LNE
DOCKS AND INLAND WATERWAYS EXECUTIVE HUMBER PORTS
CIVIL ENGINEER'S DEPT. DISTRICT ENGINEER FOR DOCKS GRIMSBY.
REVISED.
IMMINGHAM DOCK
HARD AND SOFTENED WATER
SERVICES AROUND ENGINE SHED.
ENG. COR. REF.
APPROVED. 1/5/1952.
SCALES NOT TO SCALE.
M.W.J.
M.W.J.
DRG. No. 52/G/91.



DRAINS COLOURED RED MAINTAINED BY RAILWAY EXECUTIVE (MOTIVE POWER SUPERINTENDENT).
DRAINS COLOURED BLUE MAINTAINED BY DOCKS AND INLAND WATERWAYS EXECUTIVE (CIVIL ENGINEER HUMBER PORTS).

SCALE:- 66 FEET TO AN INCH.

FEET 10 0 100 200 300 400 500 600 700 800 FEET.

RAILTRACK
069334LNE

DOCKS AND INLAND WATERWAYS EXECUTIVE HUMBER PORTS.		CIVIL ENGINEER'S DEPT. DISTRICT ENGINEER FOR DOCKS GRIMSBY
REVISED	IMMINGHAM DOCK MOTIVE POWER DEPOT ALLOCATION OF RESPONSIBILITY DRAINAGE.	
ENG. COR. REF. PAD 721. M.W.J. M.W.J.	APPROVED 11/6/1952	SCALE 66 FEET TO AN INCH.
		DRG. No. 52/G/113

existing 6"ϕ soil drain from w.c.s and urinals.

MESSROOM
top of slab level 16·55
for connections to drainage see dwg. no. 869.9A.

Future 6"ϕ soil drain from Refuelling Depot: See dwg. no. 57LCA/444C

existing soil M.H.

4"ϕ S.G.W. surface water drain.

existing 6"ϕ S.G.W. soil drain.

path

4"ϕ S.G.W. Surface Water.

1 no. 12'0" length C.I. pipe encased in concrete min. min. 4'6" below rail level

M.H. No. S.W.1.

6"ϕ S.G.W. surface water drain

M.H. No. S.W.2.

6"ϕ S.G.W. surface water drain

M.H. No. S.W.3.

M.H. No. S.W.4

outfall

pipe Ø

Road

track

track

existing soil M.H.

existing 6"ϕ S.G.W. soil drain

existing soil M.H.

Open Ditch : high water level approx. 5·75.

existing 6"ϕ S.G.W. surface water drain.

existing soil M.H.

outlet invert level 6·00 detail to be similar to pipe M.H. 4

site to be cleared of bushes in this area.

DORMITORY BUILDING

NORTH

SEWAGE TREATMENT PLANT
existing septic tank to be modified to act as anaerobic tank. New pump house, syphon, filter, humus chamber and outfall. Remove existing outfall. New chain-link fence with 2 no. 8'0" swing gates.

·DRAINAGE PLAN·

M. Shipster
Dept. Plan (C) Dept. Hospitals
with Services Committee
Cost Study examination.
Date 1/12/61
Dwg. No. 61-SP-162

existing ground level 9·58

existing 6"ϕ S.G.W.

EXISTING SEPTIC TANK MODIFIED TO ACT AS ANAEROBIC TANK.

PUMP SUMP

from concrete slope on floor to facilitate de-sludging

2 bore fall on 1" round rod at 22" centres

steel cat ladder

PUMP HOUSE

for precast concrete covers supplied by specialist

DOSING SYPHON

brick piers to support roof timbers

overall flooring to filter and Channels

AEROSIC FILTER
filter material to be approved basalt slag.

HUMUS CHAMBER

12" F.C. foundation, 1 no. layer of B.S.S. Fabric ref: 130, 3" below top.

SECTION

PLAN of DOSING SYPHON.

6"ϕ cast iron bend, 1 no. turned down with 12" cover.

B.S.S. Fabric ref: 110

brick bearing walls to support syphon chamber

steel cat ladder

PLAN OF PUMP SUMP

SECTION LINE

B.S.S. Fabric ref: 110

ALL LIQUID TANKS AND FILTER BED to be built in semi-engineering bricks and rendered internally in 1:3 cement mort., with added waterproofer.

B.S.S. Fabric ref: 130

PLAN AT GROUND LEVEL

New 6"ϕ S.G.W. soil & drain to watercourse

SECTION A-A

ground concrete covers supplied by specialist

SEWAGE TREATMENT PLANT
general arrangement

For details see Tuke & Bell, Ltd. drawing no. 11085N: for pumphouse see dwg. no. 58LA869.45

SURFACE WATER DRAINAGE.

Manhole No.	Cover Level	Invert Level	Internal Dims.	Construction
S.W.1.	17·02	12·75	2'9"x2'9"	All similar: 2'4"x1'8" C.I. covers.
S.W.2.	16·44	12·25	2'9"x2'9"	9" semi-engineering brick walls.
S.W.3.	16·44	11·75	2'9"x2'9"	6" n.c. slab base.
S.W.4	13·14 approx.	6·44	2'9"x2'9"	

17·03 (rail level)

ground level 16·44

RAILTRACK 072209LNE

M.H. No. S.W.4

PATH.

ground level 9·50

12'0" 1no. length c.i. pipe encased in C. concrete under track. Minimum depth of invert below rail level to be 4'6".

final length of drain to be 12'0" length of 6"ϕ C.I.

encased in C. concrete under path

invert of outlet 5·75

high water level approx. 5·75

12'-6" concrete per under outlet.

bottom of ditch

·PROFILE A-A·
1/4" to 1'0"

RECEIVED 27.68
Architect
LETTER DATED 14-3-68
SUBMITTED Birmingham CMPD
Direct Building Practice

NOTE: LEVELS
Levels in area of new building are based on dwg. no. 56LA.869.38

Levels in Dormitory area are reduced from L.N.E.R. drawing (unnumbered) and may be unreliable.

ALL LEVELS TO BE CHECKED ON SITE

B.T.C. BRITISH RAILWAYS — EASTERN REGION
CHIEF CIVIL ENGINEER'S DEPT. — KINGS CROSS STATION

REVISED
A. Details of r.c. mon. and meter cubes. J.H.T. 1/68

IMMINGHAM M.P.D.
messroom and washing accommodation

Drainage Layout. (Site plan)

D.E.	CORRES	C.C.E.	APPROVED	SCALES 1/4"to 1'0" 1/8"to 1'0"

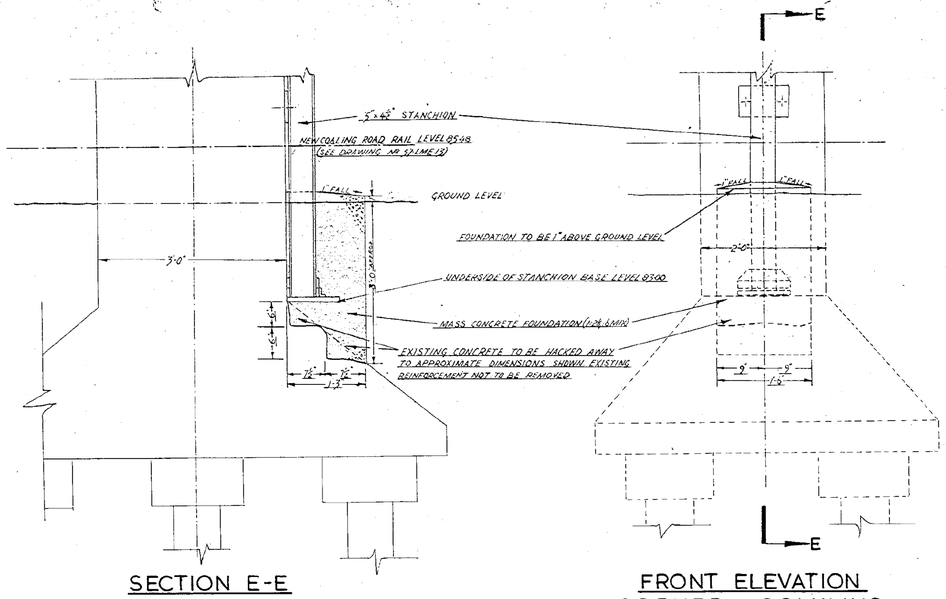
C.C.E.'s No. S. L. 69

C.C.E.'s No. RD/2220 M

SHEET 1 OF 1

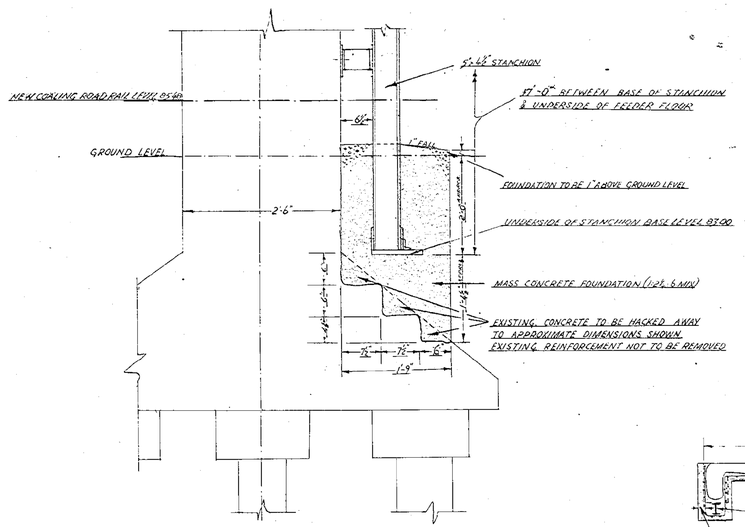
CHIEF CIVIL ENGINEER

CONTRACT DRG. No.2

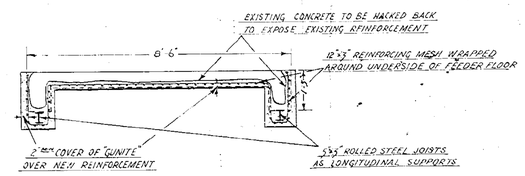


SECTION E-E

FRONT ELEVATION
CORNER COLUMNS



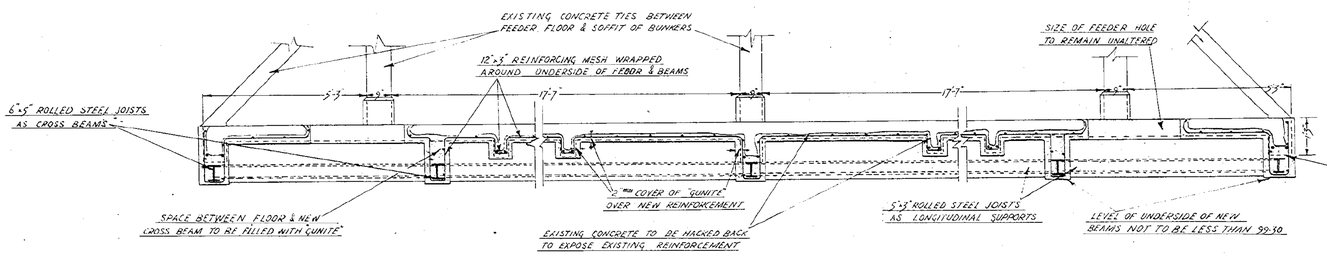
SECTION THROUGH CENTRE COLUMNS



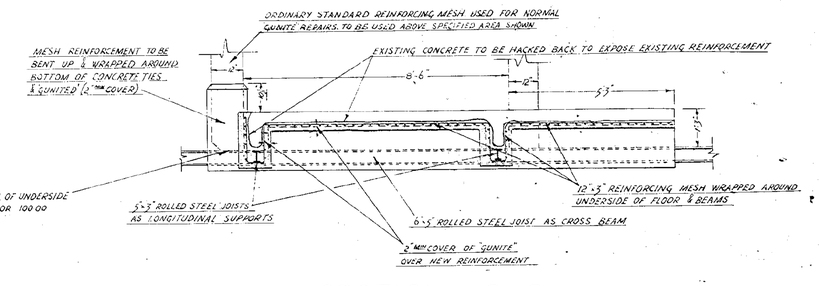
SECTION D-D

DETAILS OF STANCHION FOUNDATIONS

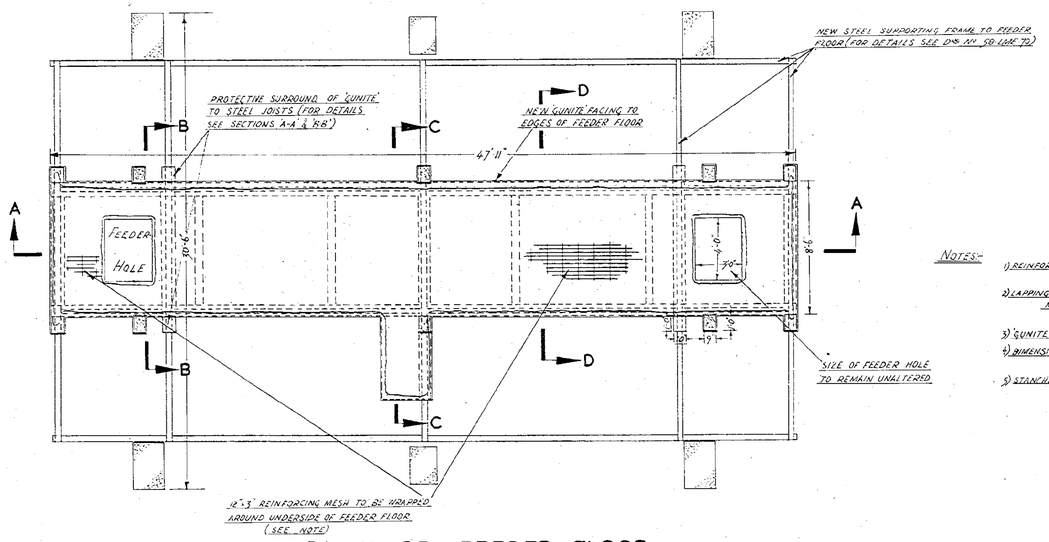
SCALE:- 1 FOOT = 1 INCH



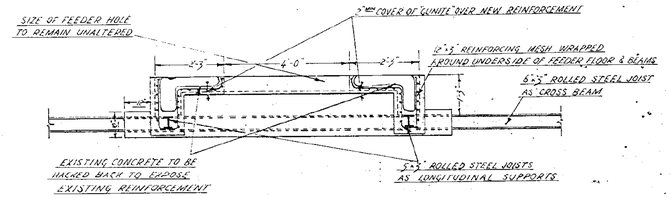
SECTION A-A



SECTION C-C



PLAN OF FEEDER FLOOR



SECTION B-B

NOTES:-

1) REINFORCING MESH — REINFORCING MESH TO UNDERSIDE OF FEEDER FLOOR & BEAMS TO CONFORM TO BSS 1221: 1967: TABLE A1: REF Nº 10B.

2) LAPPING OF REINFORCING MESH — ALL REINFORCING MESH IS TO BE LAID IN THE DIRECTION SHOWN ON THE PLAN & ALL JOINTS ARE TO BE LAPPED 12" LONGITUDINALL & CROSSWISE.

3) 'GUNITE' COVER — ALL 'GUNITE' MUST BE 2" MIN COVER OVER NEW REINFORCING FABRIC.

4) DIMENSIONS — ALL MAIN DIMENSIONS SHOWN ARE EXISTING DIMENSIONS AND ANY INCREASE DUE TO THE REPAIR WORK IS TO BE DETERMINED ON SITE.

5) STANCHION FOUNDATIONS — THE TOP OF THE STANCHION FOUNDATIONS MUST BE 1" ABOVE PRESENT GROUND LEVEL.

DETAILS OF REPAIRS TO FEEDER FLOOR

SCALES:- 4 & 2 FEET = 1 INCH

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072306LRE

OFFICE COPY

B.T.C. BRITISH RAILWAYS
CHIEF CIVIL ENGINEER'S DEPT.

EASTERN REGION
KING'S CROSS STATION

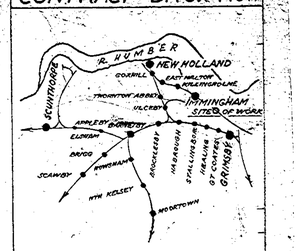
REVISED

IMMINGHAM DOCK LOCO.
REPAIRS TO COALING PLANT
DETAILS OF STANCHION FONDATIONS & REPAIRS TO FEEDER FLOOR

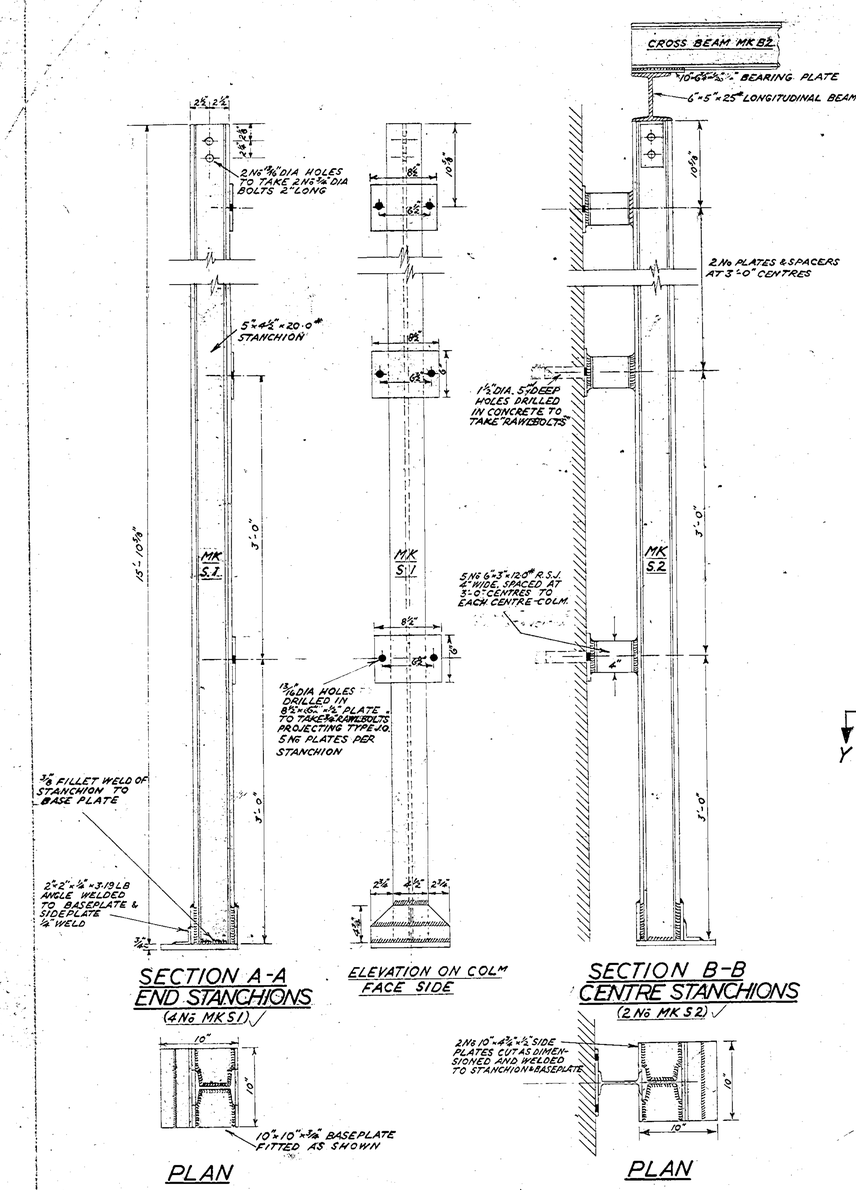
D.E.	CORRES.	C.C.E.	APPROVED	SCALES—
	M.E. 25195			4.2. & 1 FEET = 1 INCH
A.J.S.	A.J.S.		[redacted] ASSISTANT ENGINEER(W)	D.E's No. S 58 LME 206
SHEET 2 OF 4			CHIEF CIVIL ENGINEER	C.C.E's No. 58·LME·71

STD 806/30

CONTRACT DRG. NO1.



KEY MAP DIAGRAM



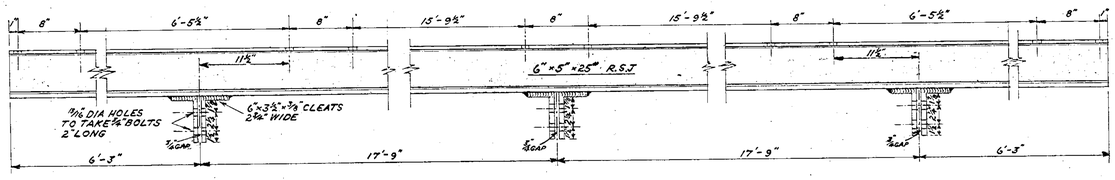
SECTION A-A
END STANCHIONS
(4 Nº MK S1)

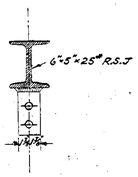
ELEVATION ON COLM FACE SIDE

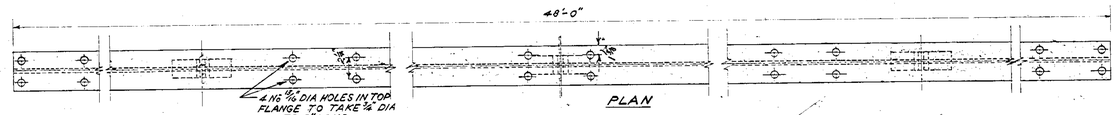
SECTION B-B
CENTRE STANCHIONS
(2 Nº MK S2)

PLAN

PLAN

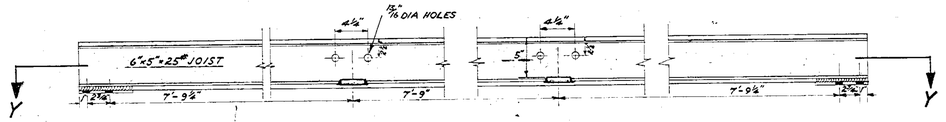


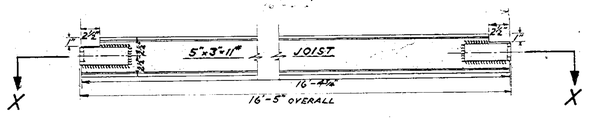


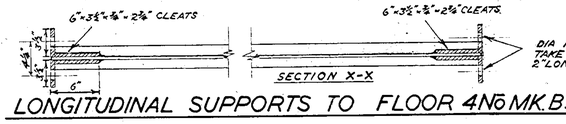


PLAN

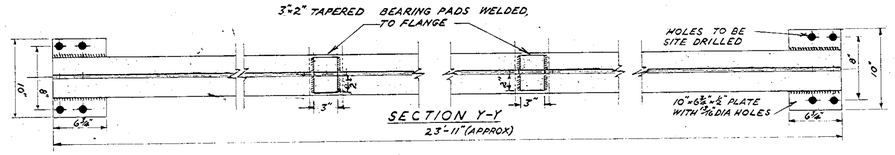
MAIN LONGITUDINAL BEAMS 2 Nº MK.B.I.



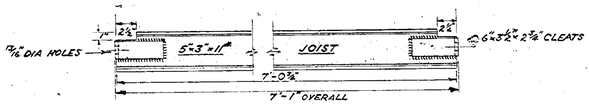




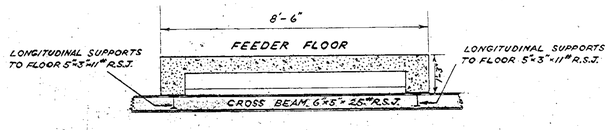
LONGITUDINAL SUPPORTS TO FLOOR 4 Nº MK.B.3.



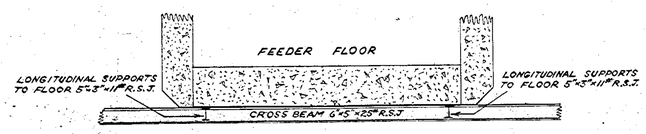
CROSS BEAMS 5 Nº MK.B.2.



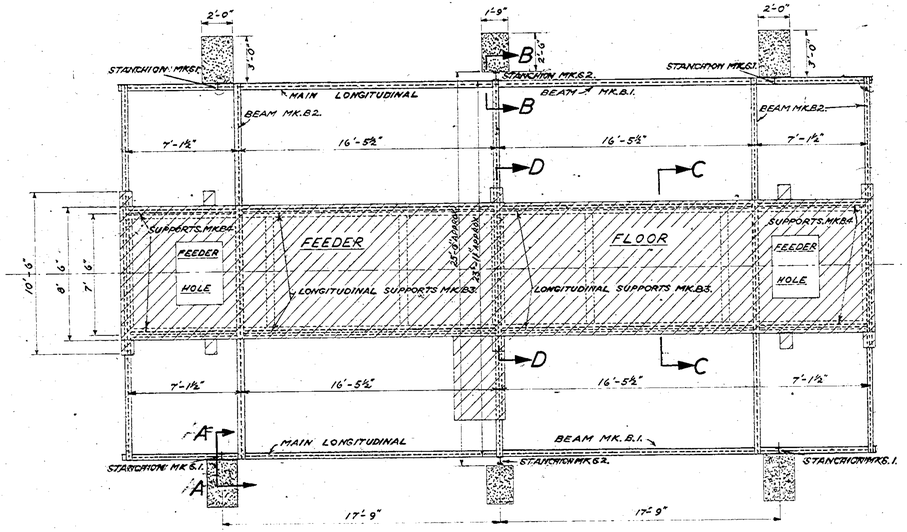
LONGITUDINAL SUPPORTS TO FLOOR 4 Nº MK. B.4.



SECTION C-C THRO' FEEDER FLOOR



SECTION D-D THRO' FEEDER FLOOR



PLAN OF FEEDER FLOOR

NOTES

FOR DETAILS OF CONCRETE REPAIRS TO FEEDER FLOOR AND STANCHION FOUNDATIONS SEE DRAWING Nº 58 LME 71.

FOR DETAILS OF GENERAL REPAIRS TO REMAINDER OF PLANT SEE DRAWING Nº 57 LME 13.

DIMENSIONS MARKED (APPROX) ARE TO BE CHECKED ON SITE BY THE CONTRACTOR.

ALL JOISTS ARE TO BE OF DIMENSIONS AND WEIGHT SHOWN NO LIGHTER OR ALTERNATIVE SECTION TO BE USED UNLESS AUTHORISED BY THE ENGINEER.

ALL BOLT HOLES TO BE 13/16 DIAM. FOR ¾ BOLTS.

HOLES SHOWN THUS ⊕ DRILLED PRIOR TO ERECTION.
HOLES SHOWN THUS ● DRILLED DURING ERECTION.

ALL WELDING SHOWN TO BE ⅜ FILLET WELDS TO CONFORM TO B.S. 528, UNLESS OTHERWISE NOTED

RAILTRACK
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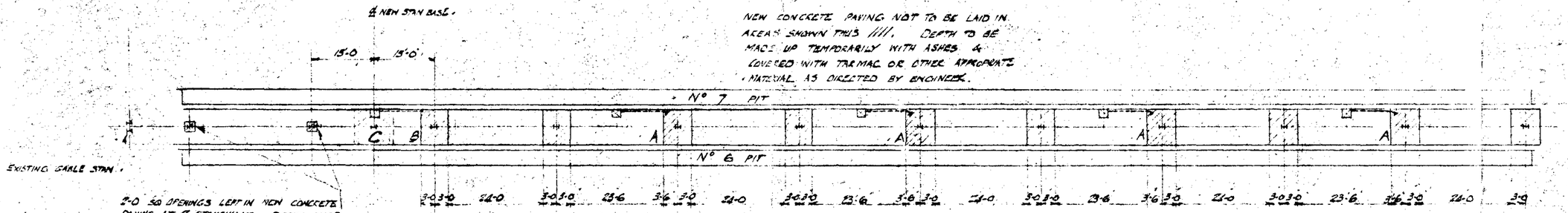
B.T.C. BRITISH RAILWAYS — EASTERN REGION
CHIEF CIVIL ENGINEER'S DEPT. — KING'S CROSS STATION

REVISED

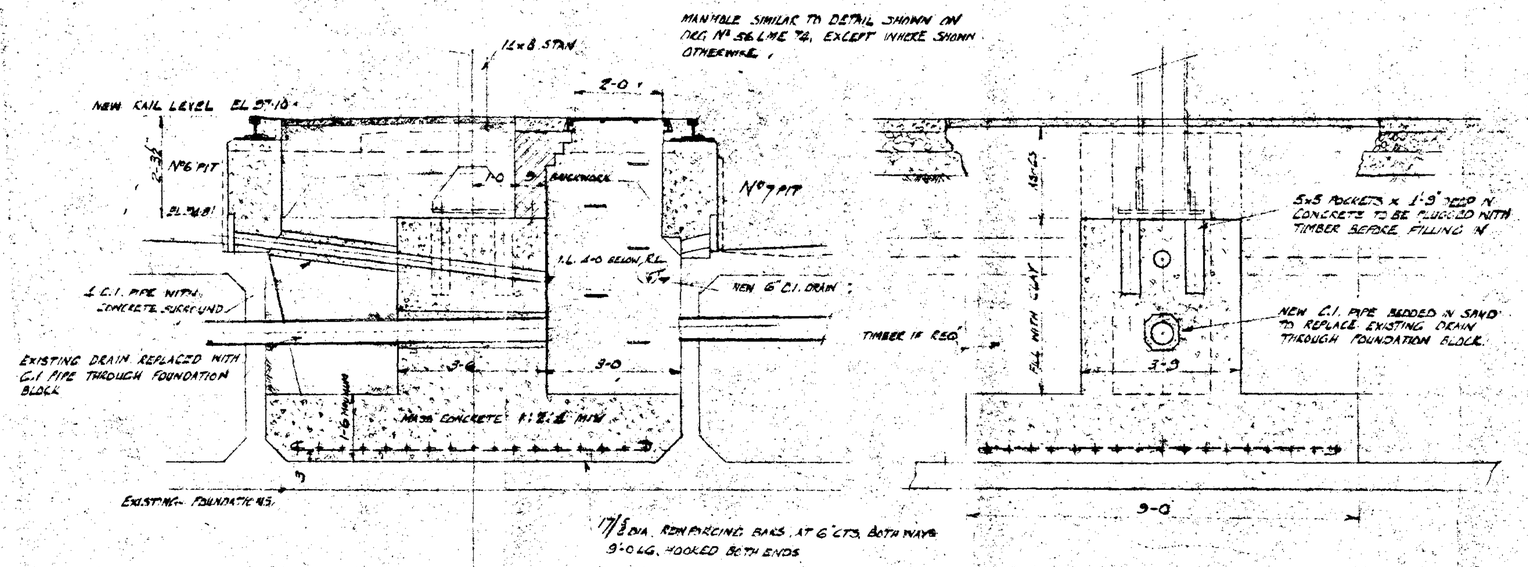
IMMINGHAM DOCK LOCO REPAIRS TO COALING PLANT
DETAILS OF STEELWORK SUPPORT TO FEEDER FLOOR

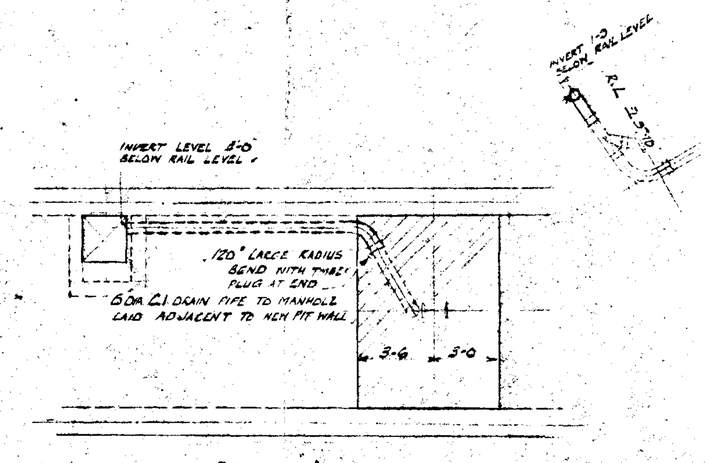
D.E.	CORRES. C.C.E.	APPROVED	SCALES
	ME 25/95		½" TO 1 FOOT / 2" C.E. TO 1 INCH
R.J.M.G.		ASSISTANT ENGINEER(Design)	D.E.'s No. 58 LME 206
SHEET 1 OF 4		CHIEF CIVIL ENGINEER	C.C.E.'s No. 58 LME 70

B.R. 908/30

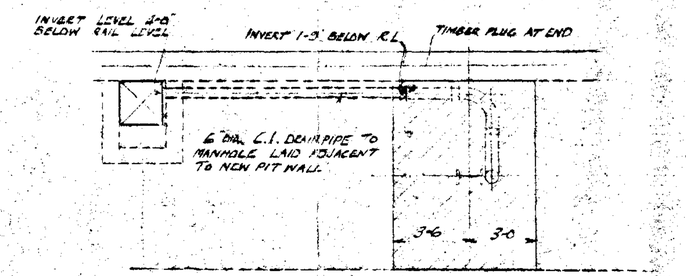


PLAN OF Nº 6 & 7 PITS SHOWING AREAS NOT TO BE PAVED IN ENGINE INSPECTION PIT CONTRACT.

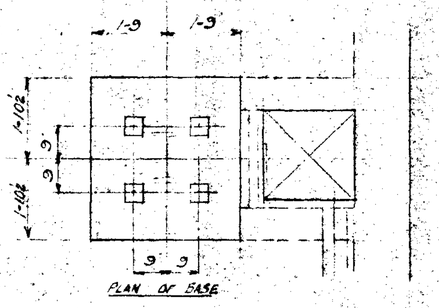




DETAIL A



DETAILS OF C.I. DRAINS TO BE LAID DURING RECONSTRUCTION OF PITS 6 & 7



PLAN OF BASE

FOUNDATION FOR NEW GABLE STANCHION AT C

B.T.C. BRITISH RAILWAYS CHIEF ENGINEERS DEPT	EASTERN REGION KINGS CROSS STATION
REVISED	IMMINGHAM M.P.D RECONSTRUCTION OF ENGINE INSPECTION PITS NEW STANCHION BASE & DRAINAGE REQUIRED FOR RECONSTRUCTION OF ROOF
DE. CORRES CE APPROVED	SCALES 1/16, 1/4, 1/2 = 1-0
ERL	DES Nº 5 LDR 272
SHEET OF	CES Nº 56 ME 3M 128

RAILTRACK
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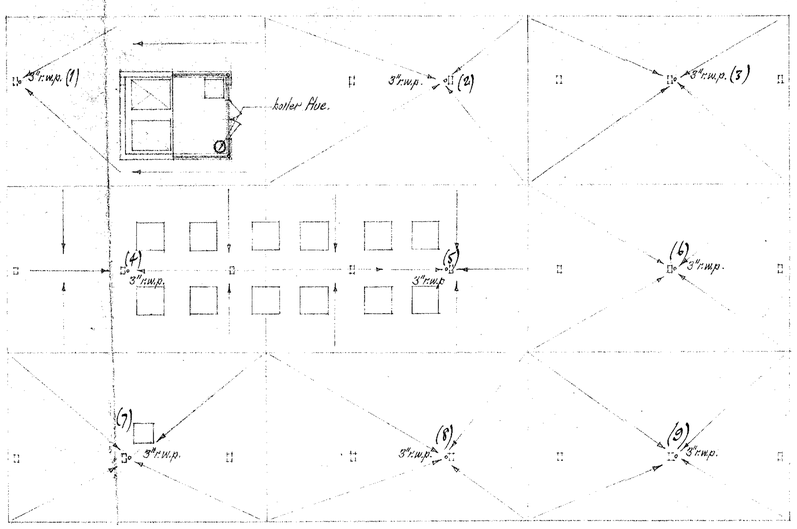
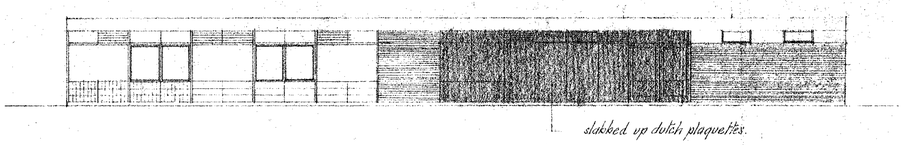
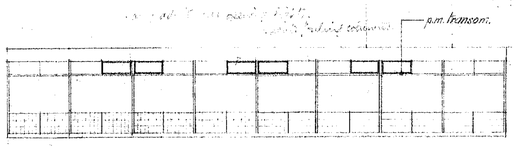


ROOF PLAN (showing roof outlets).



N.E. ELEVATION.



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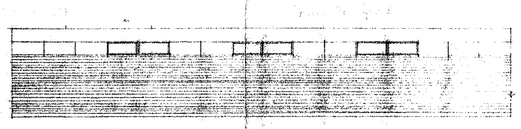
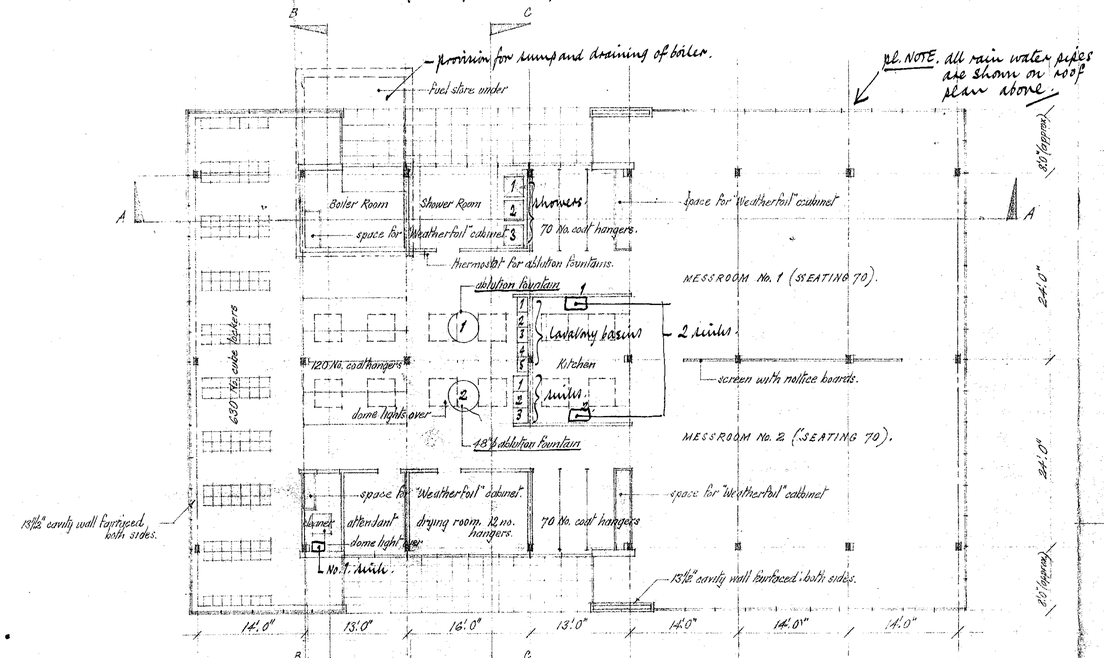
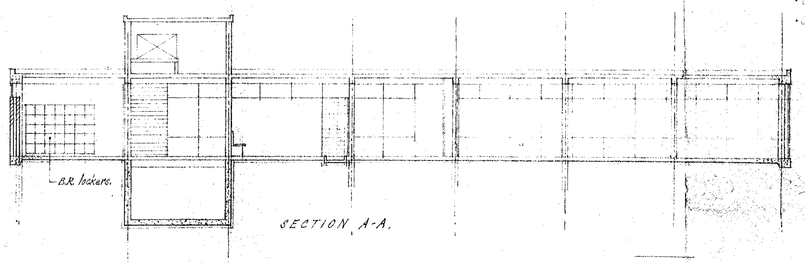


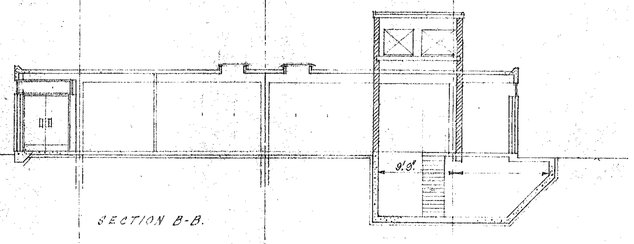
N.W. ELEVATION.



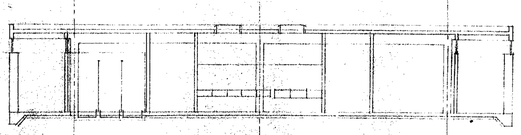
GROUND FLOOR PLAN.



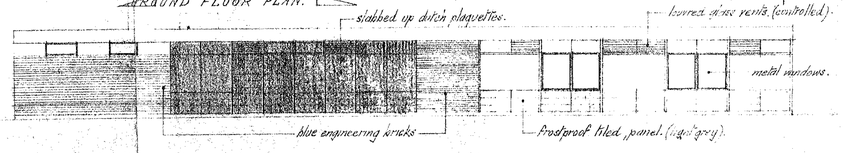
SECTION A-A.



SECTION B-B.



SECTION C-C.



S.W. ELEVATION

5 Sinks.
3 W.Bs.
3 Showers
1 Boiler Plunger

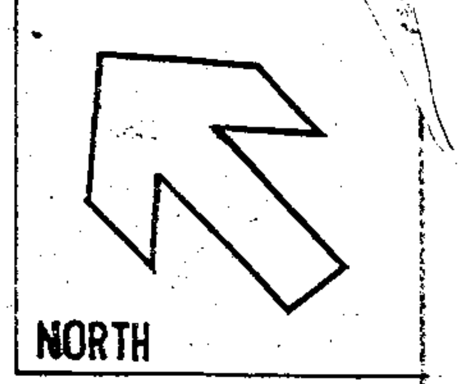
RAILTRACK
077483LNE

B.T.C. BRITISH RAILWAYS
CIVIL ENGINEER'S DEPT.
REVISED

EASTERN REGION
KING'S CROSS STATION.

IMMINGHAM M.P.D.
MESSROOM & WASHING
FACILITIES.
Revised Scheme Plan. (PRELIMINARY ONLY) FOR DRAINAGE.
SCALE - 8 feet to 1 inch.

No. 36/LA/2831



Notes:

1. The connection between W.C. outlet and S.g.w. large radius bend to be made with a brass sleeve with caulked joints.
2. The connection between L.B. copper waste and C.I. back inlet gulley to be made with a brass sleeve, with caulked joint and soldered joint in approved manner.

RAILTRACK
077723LNE

BRITISH RAILWAYS BOARD

BRITISH RAILWAYS
CHIEF CIVIL ENGINEER'S DEPT.

EASTERN REGION
ARCHITECT

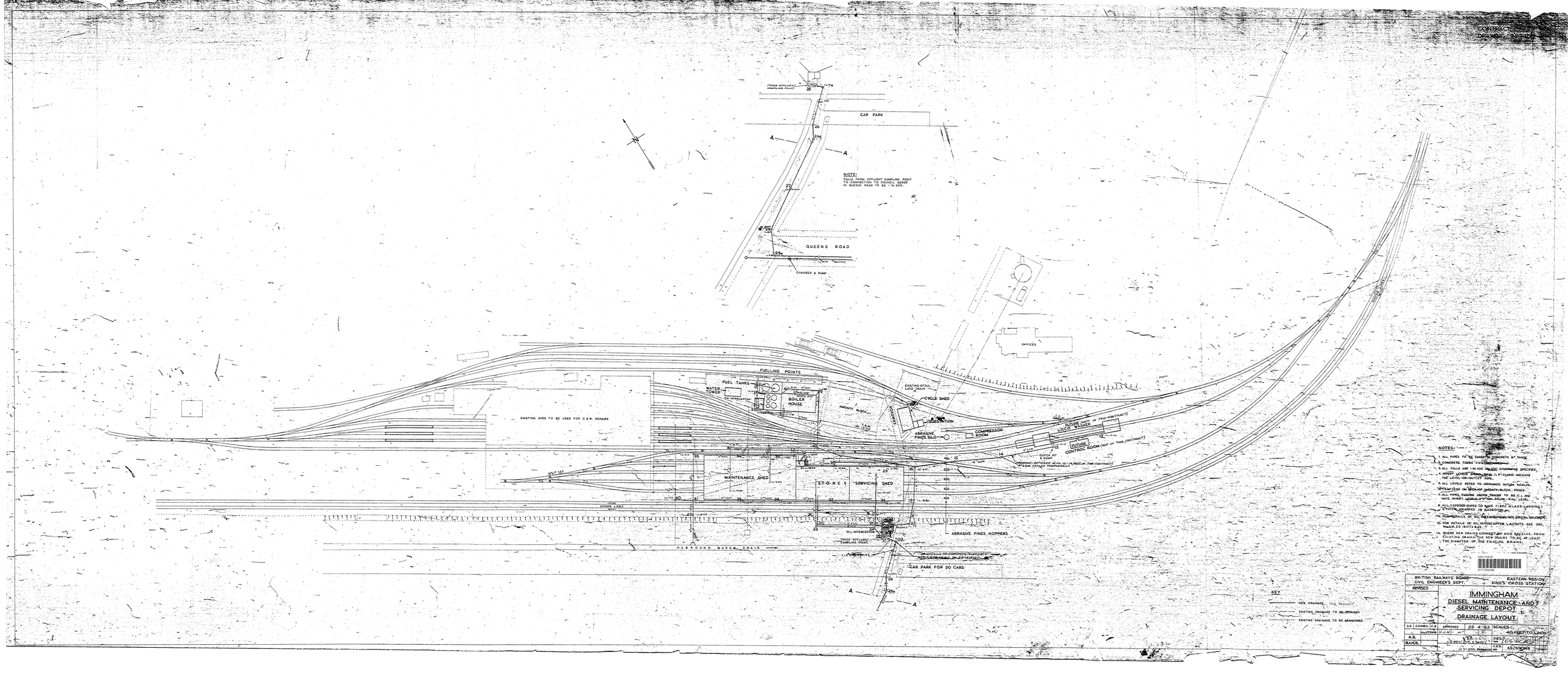
REVISED

IMMINGHAM DIESEL DEPOT
ACCOMMODATION FOR DEPOT MASTER

BUILDING SUBSTRUCTURE
FOUNDATIONS AND DRAINAGE: PLAN
S 68. DR. 98/2.

D.E.	CORRES.	C.E.	APPROVED	SCALES 1/4" = 1'-0"
			project architect	Project No. 67YA 128
			ARCHITECT	drg. no. LN02
date 14th Sept. 1967			CHIEF CIVIL ENGINEER	

CONTRACT DRAWING No. 5



NOTES:

1. ALL PIPES TO BE LAID IN CONCRETE 6" THICK.
2. CONCRETE TO BE FIXED THUS
3. ALL FALLS ARE 1 IN 100 UNLESS OTHERWISE SPECIFIED.
4. INVERT LEVELS SHOWN IN ITALICS INDICATE THE LEVEL OF OUTLET PIPE.
5. ALL LEVELS REFER TO ORDNANCE DATUM NEWLYN.
6. ALL WORK TO BE LAID ON SECTION OF TWENTY BLOCK PAVED
7. ALL PIPES PASSING UNDER TRACKS TO BE C.I. AND HAVE INVERT LEVELS 6" BELOW RAIL LEVEL.
8. ALL EXPOSED PIPES TO HAVE FIBRE GLASS LAGGING 2" THICK AS APPROVED IN CASE OF DOUBT.
9. FOR DETAILS OF OIL INTERCEPTORS SEE DRG. No. W.K.E.D. 16372 Sh 2.
10. FOR DETAILS OF OIL INTERCEPTOR LAYOUTS SEE DRG. No. W.K.E.D. 16372 Sh 3.
11. WHERE NEW DRAINS CONNECT TO AND RECEIVE FROM EXISTING DRAINS THE NEW DRAINS TO BE AT LEAST THE DIAMETER OF THE EXISTING DRAINS.

BRITISH RAILWAYS BOARD — CIVIL ENGINEER'S DEPT. — EASTERN REGION — KING'S CROSS STATION

REVISED

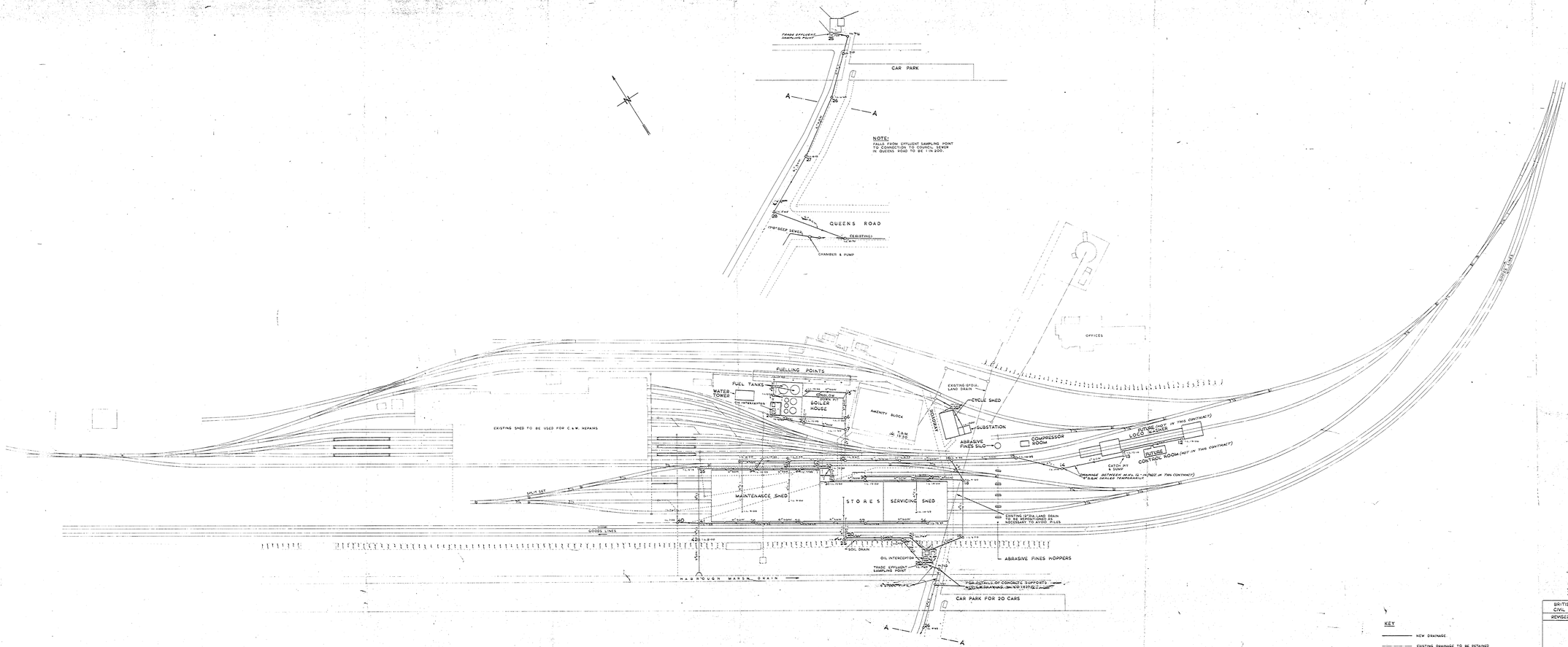
IMMINGHAM DIESEL MAINTENANCE AND SERVICING DEPOT

DRAINAGE LAYOUT

04	COMBS. C.E.	APPROVED	28-4-66	SCALES	40 FEET TO 1 INCH
	27848 M.J.M.				
A.B.				DES.	65-10-20
RAMS.				CHD.	
				CER.	65/NOMS

MINITRACK 07170/66

CONTRACT
DRAWING No. 43.



NOTES:

1. ALL PIPES TO BE CASED IN CONCRETE 6" THICK.
2. CONCRETE TO BE 11.5/4 (3/4") MIX.
3. ALL FALLS ARE 1 IN 100 UNLESS OTHERWISE SPECIFIED.
4. INVERT LEVELS SHOWN THUS 11.91 S AND INDICATE THE LEVEL OF OUTLET PIPE.
5. ALL LEVELS REFER TO ORDNANCE DATUM NEWLYN.
OTBM. 10.90 ON STEP OF AMENITY BLOCK FOYER.
7. ALL PIPES PASSING UNDER TRACKS TO BE C.I. AND HAVE INVERT LEVELS 4'0" MIN. BELOW RAIL LEVEL.
8. ALL EXPOSED PIPES TO HAVE FIBRE GLASS LAGGING 2"THICK. WRAPPED IN LAGGO.
9. FOR DETAILS OF OIL INTERCEPTORS SEE ORG/M. 40/63/74.
10. FOR DETAILS OF OIL INTERCEPTOR LAYOUTS SEE DRG. No.E.C.D. 16272 & 73.
11. WHERE NEW DRAINS CONNECT TO AND RECEIVE FROM EXISTING DRAINS THE NEW DRAINS TO BE AT LEAST THE DIAMETER OF THE EXISTING DRAINS.

Ealing 65 HW/1524 (Old Brentford)
3304
Kensington Division
D.O. Copy

KEY

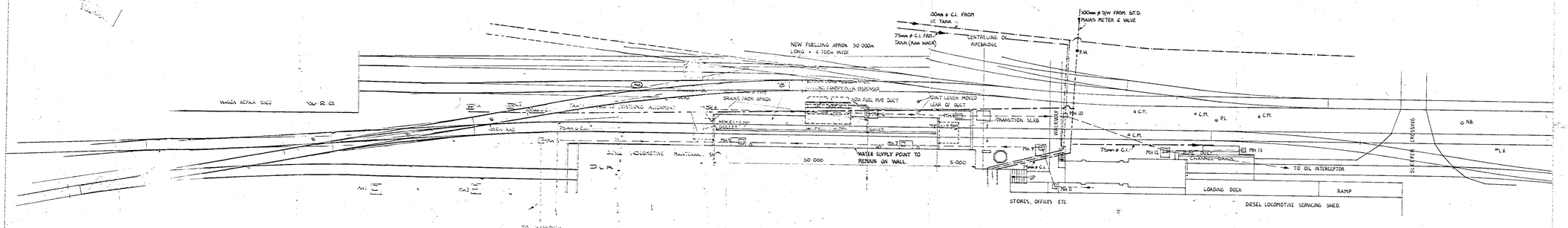
——— NEW DRAINAGE
— — — EXISTING DRAINAGE TO BE RETAINED
- - - - - - EXISTING DRAINAGE TO BE ABANDONED

RAILTRACK
077804/NE

BRITISH RAILWAYS BOARD CIVIL ENGINEER'S DEPT.				EASTERN REGION KING'S CROSS STATION	
REVISED					
	IMMINGHAM DIESEL MAINTENANCE AND SERVICING DEPOT				
	DRAINAGE LAYOUT				
D.E. COWELL C.T.	APPROVED	28.4.66	SCALES:	40 FEET TO 1 INCH	
JW/2704/B K.J.N.T.					
A.B.		1.7.66	SCALE SIZE 1/40		
RAR.2.	C.E. (E.R.) (KING'S CROSS)		DRG. No.	65/NW/43	
	CHIEF CIVIL ENGINEER				

NOTES.

1. POSITION OF SERVICES SHOWN ARE ONLY APPROXIMATE ACTUAL POSITIONS MUST BE VERIFIED ON SITE BEFORE OR DURING EXCAVATIONS.
2. ALL SERVICES TO BE UPHELD IN EXISTING LOCATIONS UNLESS STATED OTHERWISE ON THE DRAWINGS.
3. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWINGS NOS 79-YWC-99, 100 & 101.



ARRANGEMENT OF NEW FUELLING APRON (EXISTING CABLE ROUTES NOT SHOWN)

SCALE 1:200

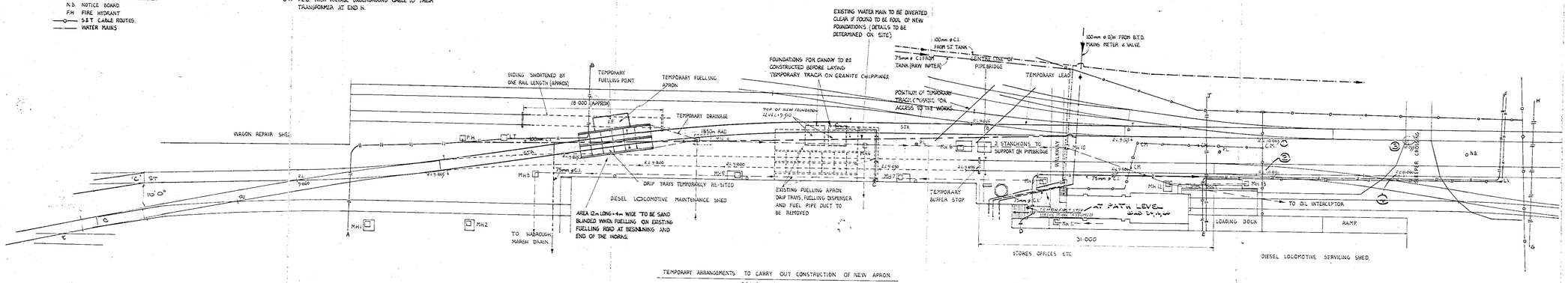
KEY

P.L. POINT LEVER
C.M. S & T CABLE MARKER
L.T. LIGHTING TOWER
D.P. DOWNPIPE
M.H. MANHOLE
F.P. FUELLING POINT.
L.V. LOW VOLTAGE CABLE MARKER
N.B. NOTICE BOARD
F.H. FIRE HYDRANT
S & T. CABLE ROUTES.
WATER MAINS

KEY TO ELECTRIC CABLES.

CABLES

A & B - UNDERGROUND CABLE ROUTE TO LIGHTING TOWER.
C - FUELLING EQUIPMENT CONTROL CABLE LAID IN PIPE DUCT
D & E - UNDERGROUND CABLES BETWEEN SWITCH ROOM AT END F & SWITCH BOARDS, D.E. IN DIESEL LOCO SERVICING SHED.
E-J - CONTROL CABLES TO DISPENSER PUMPS IN BOILER HOUSE
G-H - Y.E.B. HIGH VOLTAGE UNDERGROUND CABLE TO THEIR TRANSFORMER AT END H.



TEMPORARY ARRANGEMENTS TO CARRY OUT CONSTRUCTION OF NEW APRON.

SCALE 1:200.

OFFICE COPY

RAIL TRACK
07807413NE

Letter	Date	Description of revisions	By
A	9/1/20	FOUNDATIONS REVISED	

British Railways Board
Chief Civil Engineer
British Rail Eastern
Hudson House
York YO1 1HP
Telephone 0904 - 53022

G.T.	G.T.	
A.J.S	I.T.S	WORKS ENGINEER

Chief Civil Engineer

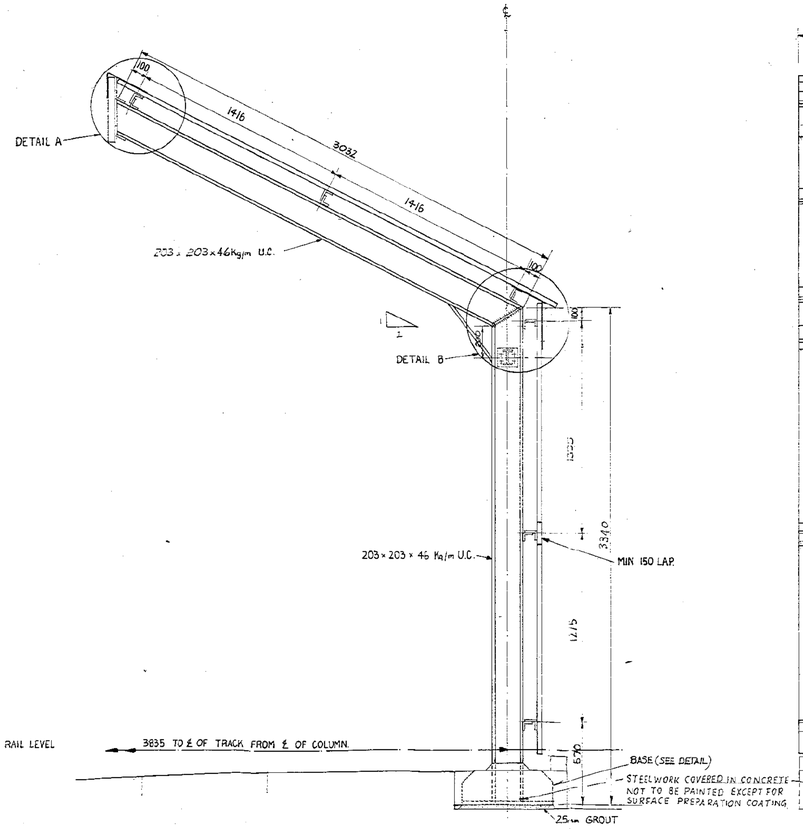
IMMINGHAM
Traction Maintenance Depot
NEW FUEL OIL DISPENSING APRON.
AS BUILT PLANS SHOWING NEW & TEMPORARY FUELLING APRONS

Scale	1:200
File Numbers	CE W 38/750 (3)
Drawing Number	79-YWC-111 / 3 / A

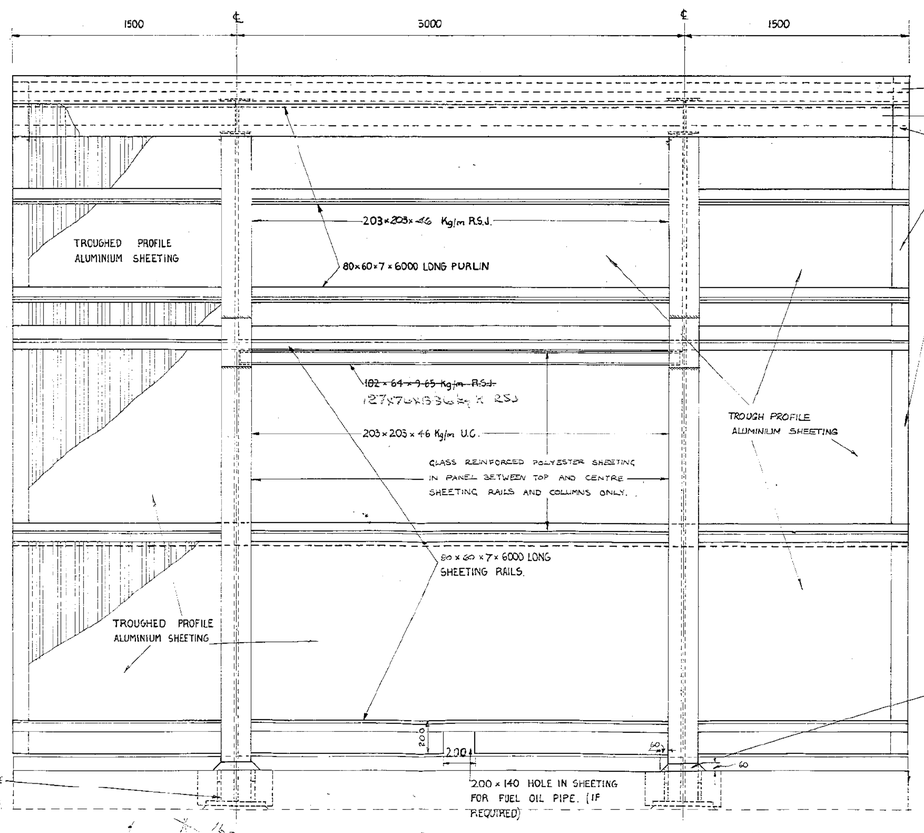
MT 309516

S-79 DR 322/3

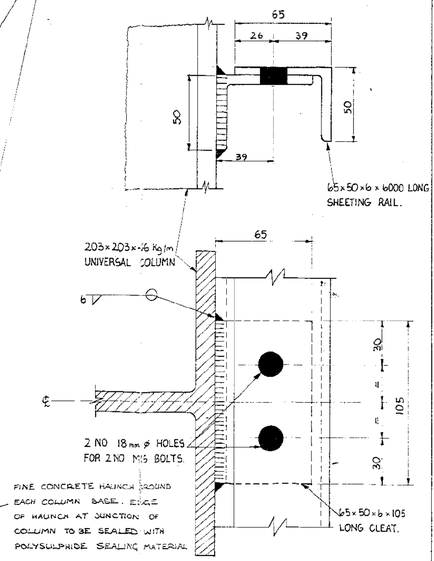
BR 6060/32



SIDE ELEVATION
SCALE 1:20



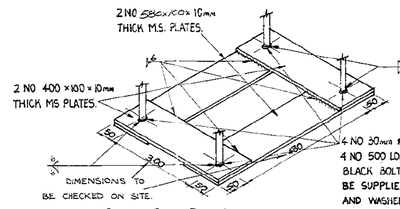
FRONT ELEVATION
SCALE 1:20



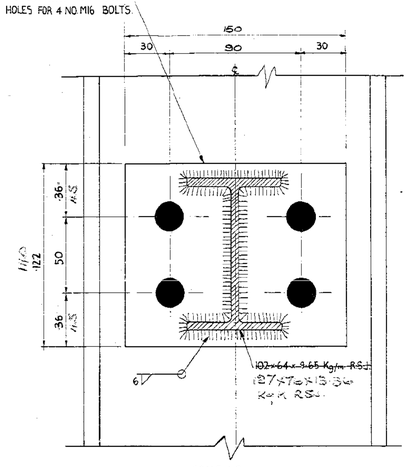
DETAIL OF CLEAT/SHEETING RAIL AND PURLIN JOINTS
SCALE 1:2.

NOTES.

1. ALL DIMENSIONS IN MILLIMETRES.
2. ALL DIMENSIONS MUST BE CHECKED ON SITE BEFORE COMMENCING FABRICATION.
3. ALL STEELWORK TO BE IN ACCORDANCE WITH THE BRITISH RAILWAYS BOARD'S CIVIL ENGINEERING DEPARTMENT'S HANDBOOK N° 27 "GENERAL SPECIFICATION FOR STEELWORK : 1976".
4. NEW STEELWORK TO BE GRADE 43 A TO D ONLY.
5. BLACK BOLTS AND NUTS MUST COMPLY WITH BS 4190 "ISO METRIC BLACK HEXAGON BOLTS, SCREWS AND NUTS.
6. WASHERS TO BE BLACK WASHERS AND COMPLY WITH BS 4320 " METAL WASHERS FOR GENERAL ENGINEERING PURPOSES, METRIC SERIES."
7. NEW STEELWORK SHALL BE TREATED IN ACCORDANCE WITH THE BOARD'S HANDBOOK No 27, CLAUSE 50 SYSTEM A3 WITH A WEATHERING COAT OF MICACEOUS IRON OXIDE TO BR SPEC 70/ITEM 21 (BRUSH APPLIED) OR ITEM 26 (SPRAY APPLIED). THE SITE APPLIED COAT SHALL BE ONE COAT OF MICACEOUS IRON OXIDE TO BR SPEC 70/ITEM 27 (AIRLESS SPRAY APPLIED) OR ITEM 22 (BRUSH APPLIED).
   THE SURFACE TREATMENT DESCRIBED IN SYSTEM A3 AS "FACTORY APPLIED" SHALL BE COMPLETED AT LEAST 4 DAYS BEFORE THE STEELWORK IS MOVED TO SITE. ANY DAMAGE TO THE SURFACE TREATMENT ARISING FROM TRANSPORTATION SHALL BE MADE GOOD AFTER ERECTION, PRIOR TO SITE PAINT APPLICATION.
8. ALUMINIUM PROFILED BUILDING SHEETING TO BE 0·9mm THICK OF A7, OR OTHER SIMILAR APPROVED PROFILE. SHEETING TO BE ALKYD AMINO OR ALKYD MELAMINE COLOUR FINISH WITH COLOUR APPROXIMATING TO B.S. 4800 : 00A05. FIXINGS OF SHEETING TO BE AS SHOWN ON THE DRAWINGS AND AS RECOMMENDED BY THE MANUFACTURER. COLOUR COATING TO BE ON BOTH SIDES.
9. FLASHINGS TO BE OF 1·6mm THICK ALUMINIUM COATED ON BOTH SIDES IN A SIMILAR MANNER TO THE PROFILED SHEETING AND FIXED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS
10. FILLER BLOCKS SHALL BE OF SYNTHETIC RUBBER OR OTHER APPROVED WATER RESISTANT MATERIAL RECOMMENDED BY THE SHEETING MANUFACTURER WITH A 30% TO 50% FINGER COMPRESSIBILITY FACTOR.
11. GLASS REINFORCED POLYESTER SHEETING TO MATCH A7 OR SIMILAR APPROVED PROFILE WITH A WEIGHT OF 2·44 Kg/m², OF A NATURAL COLOURING (CLEAR) AND HAVE A FIRE RESISTANCE CONFORMING TO BS. 476 : PART 3 : GRADE AA AND PART 7 : CLASS 1.

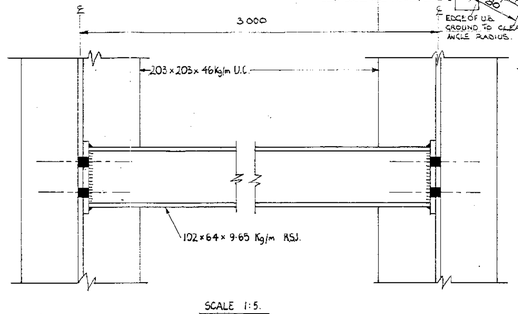


SPACER BAR FOR HOLDING DOWN ASSEMBLY.

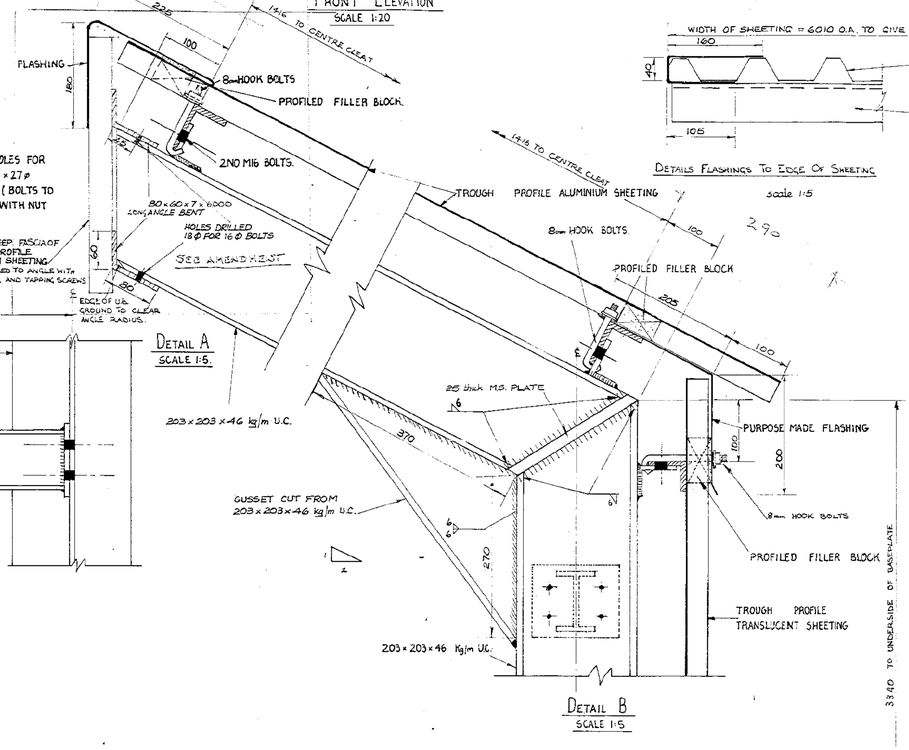


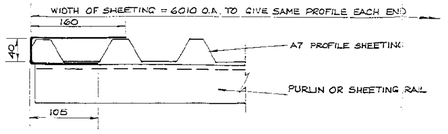
SCALE 1:2

DETAIL OF BRACING CONNECTION TO COLUMNS.

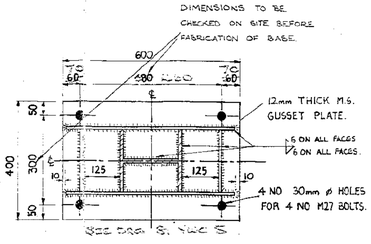


SCALE 1:5.

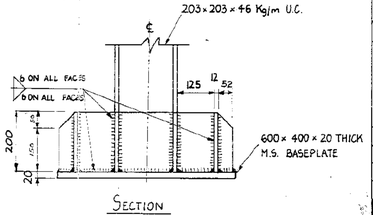




DETAILS FLASHINGS TO EDGE OF SHEETING
scale 1:5



PLAN



SECTION

DETAILS OF BASE
SCALE 1:10

OFFICE COPY

2 No TO SUE BETTANY, HARROGATE 16/2/81

2 No TO " BEAN, GRIMSBY 16/2/81

RAILTRACK
079224LNE

Letter	Date	Description of revisions	By

British Railways Board
Chief Civil Engineer
British Rail Eastern
Hudson House
York YO1 1HP
Telephone 0904-53022

G.T.	G.T.		
AD3/EM		WORKS ENGINEER [redacted]	

29TH JAN 1981. Chief Civil Engineer

IMMINGHAM
TRACTION MAINTENANCE DEPOT

PROPOSED NEW FUEL OIL DISPENSING APRON

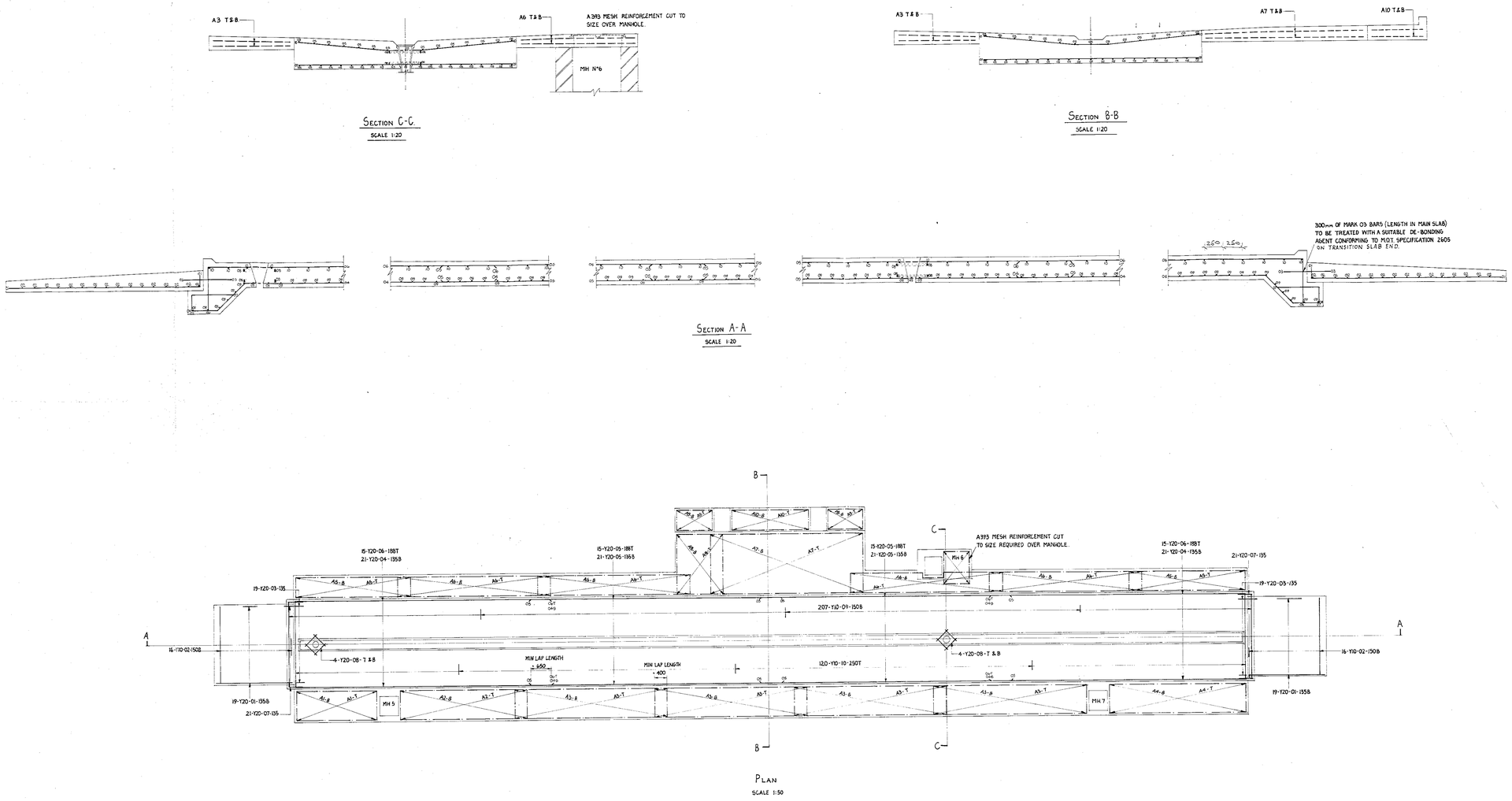
DETAIL OF APRON CANOPY

Scale	1:20, 1:10, 1:5 & 1:2
File Numbers	CE.W 38/750/31/1
Drawing Number	79 YWC 100 / 1

S 79 DR 222/1

MT 36065R
12/18 80

BR 888/81



SECTION C-C.
SCALE 1:20

SECTION B-B
SCALE 1:20

SECTION A-A
SCALE 1:20

PLAN
SCALE 1:50

NOTES.

1. CONCRETE TO BE GRADE 25-20-393 IN ACCORDANCE WITH CP110 PART 1 1972 TABLE 50.
2. ALL CONCRETE TO HAVE A TAMPED BOARD FINISH EXCEPT THE CENTRAL DRAINAGE CHANNEL WHICH IS TO BE FLOAT FINISHED.
3. REINFORCING BARS SHALL BE HOT ROLLED HIGH YIELD BARS TO B.S. 4449 1969. REINFORCING MESH TO B.S. 4483 1969.
4. MINIMUM COVER TO REINFORCEMENT TO BE 50mm.
5. POLYSULPHIDE SEALANT TO BE 'CALKTITE' BY SELOCRETE LTD., 'POLEVOPOUR QUALITY POLEVOMASTIC' BY EVODE LTD OR OTHER SIMILAR APPROVED PRODUCT AND IS TO BE POURED INTO CHASES FORMED IN THE SLAB.
6. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NUMBERS 79 YWC 40, 99 & 100.
7. FOR REINFORCEMENT SCHEDULES SEE DRG. NO'S 79 YWC 102 & 103.
8. MESH REINFORCEMENT TO BE CUT TO SIZE REQUIRED AROUND MANHOLE N°6.
9. MIN. LAP LENGTH TO REINFORCING BARS TO BE 650mm. MIN. LAP LENGTH TO REINFORCING MESH TO BE 400mm.

RAILTRACK
079225LNE

Letter	Date	Description of revisions	By

British Railways Board
Chief Civil Engineer
British Rail Eastern
Hudson House
York YO1 1HP
Telephone 0904 - 53022

G.T.	G.T.	WORKS ENGINEER
		Chief Civil Engineer

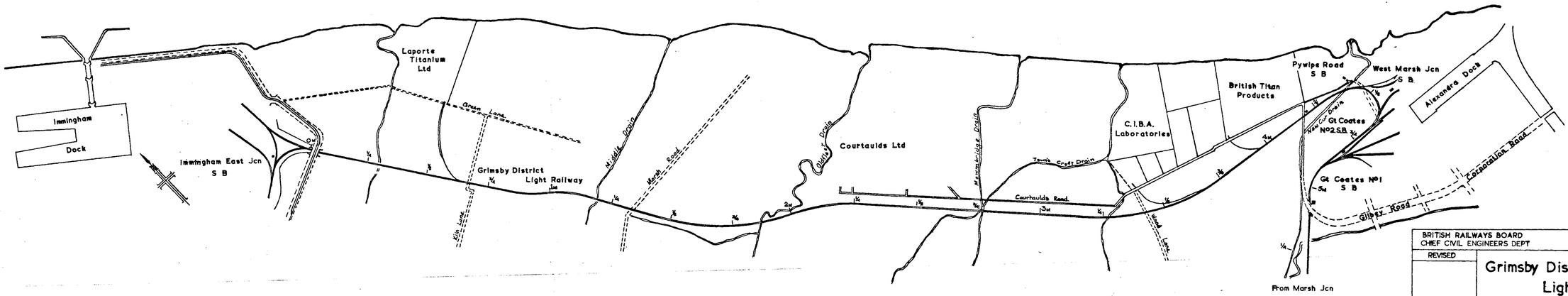
IMMINGHAM
Traction Maintenance Depot.
NEW FUEL OIL DISPENSING APRON
REINFORCING DETAILS

Scale	1:50 & 1:20
File Numbers	CEW38/750/31/1
Drawing Number	79-YWC-101 / 2

MY 30931 R

S 79 DR 222/2

BR 884/52



BRITISH RAILWAYS BOARD
CHIEF CIVIL ENGINEERS DEPT

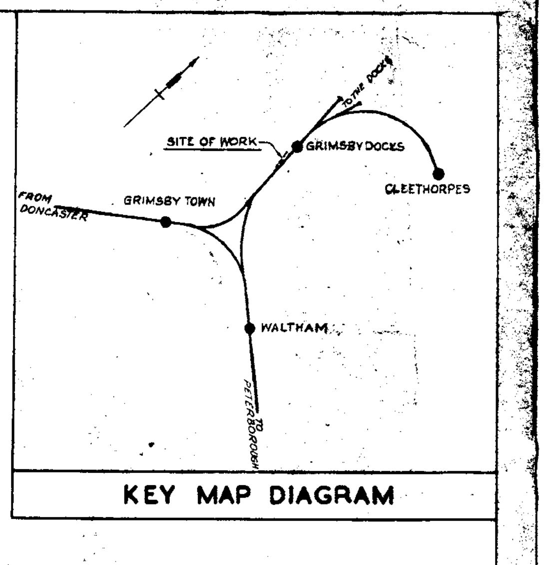
EASTERN REGION
DONCASTER DIVISION

REVISED

Grimsby District Light Railway

DCE	CORRES	OCE	APPROVED	SCALES 6" to 1 mile
				DE's No. 66 DRPW 207

RAILTRACK
106763LNE



KEY MAP DIAGRAM

DRAFT PLAN

26 JUL 1966

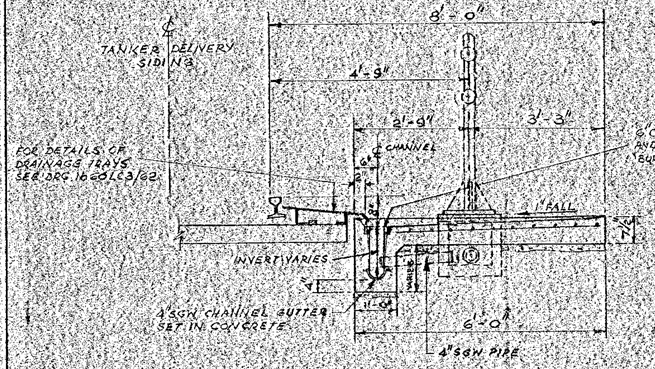
D.O. / Please register this plan (re Corres DP 38/1059.)

BRITISH RAILWAYS BOARD CHIEF CIVIL ENGINEER'S DEPT.	EASTERN REGION KING'S CROSS STATION
REVISED	DEVELOPMENT OF LARGE CONTAINER SERVICES **GRIMSBY TERMINAL**

D.E.	CORRES.	C.E.	APPROVED	SCALE: 33 FT. TO 1 INCH
	N.W.M/211			D.E's No. R 66-DR-382
	F.B.			C.C.E's No. 66.N.W.133
SHEET OF				

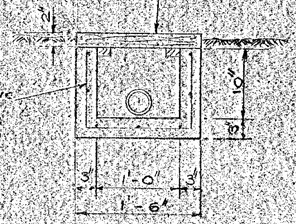
RAILTRACK
106791LNE

CONTRACT
DRAWING No. 146

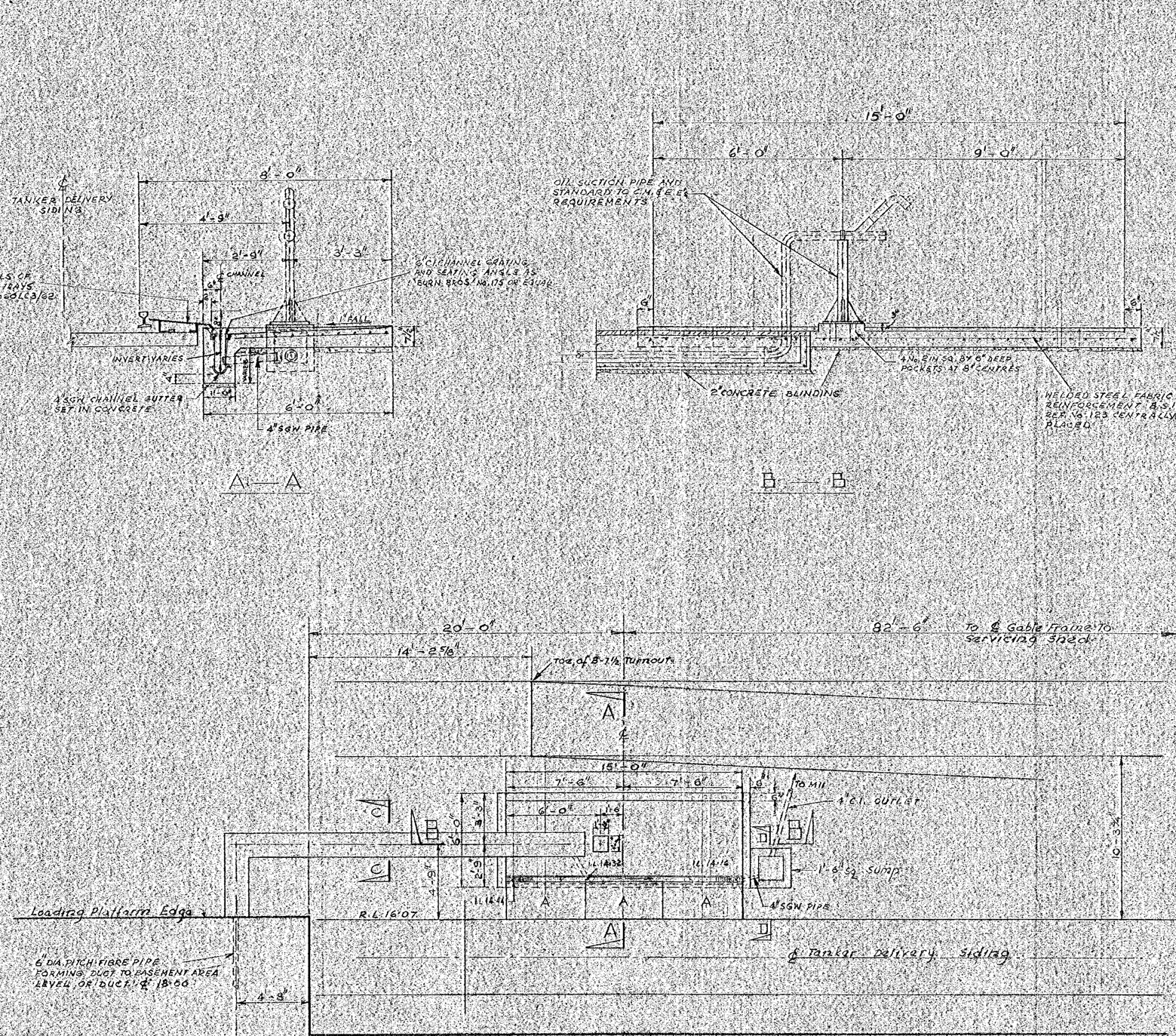


A — A

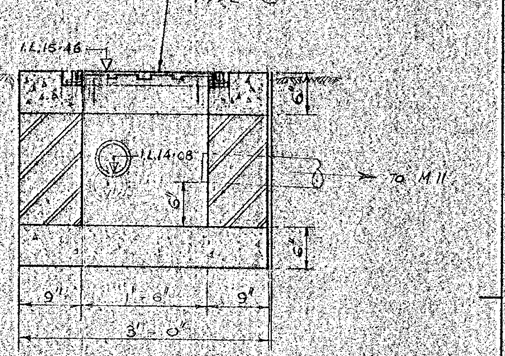
B — B



C — C



PLAN

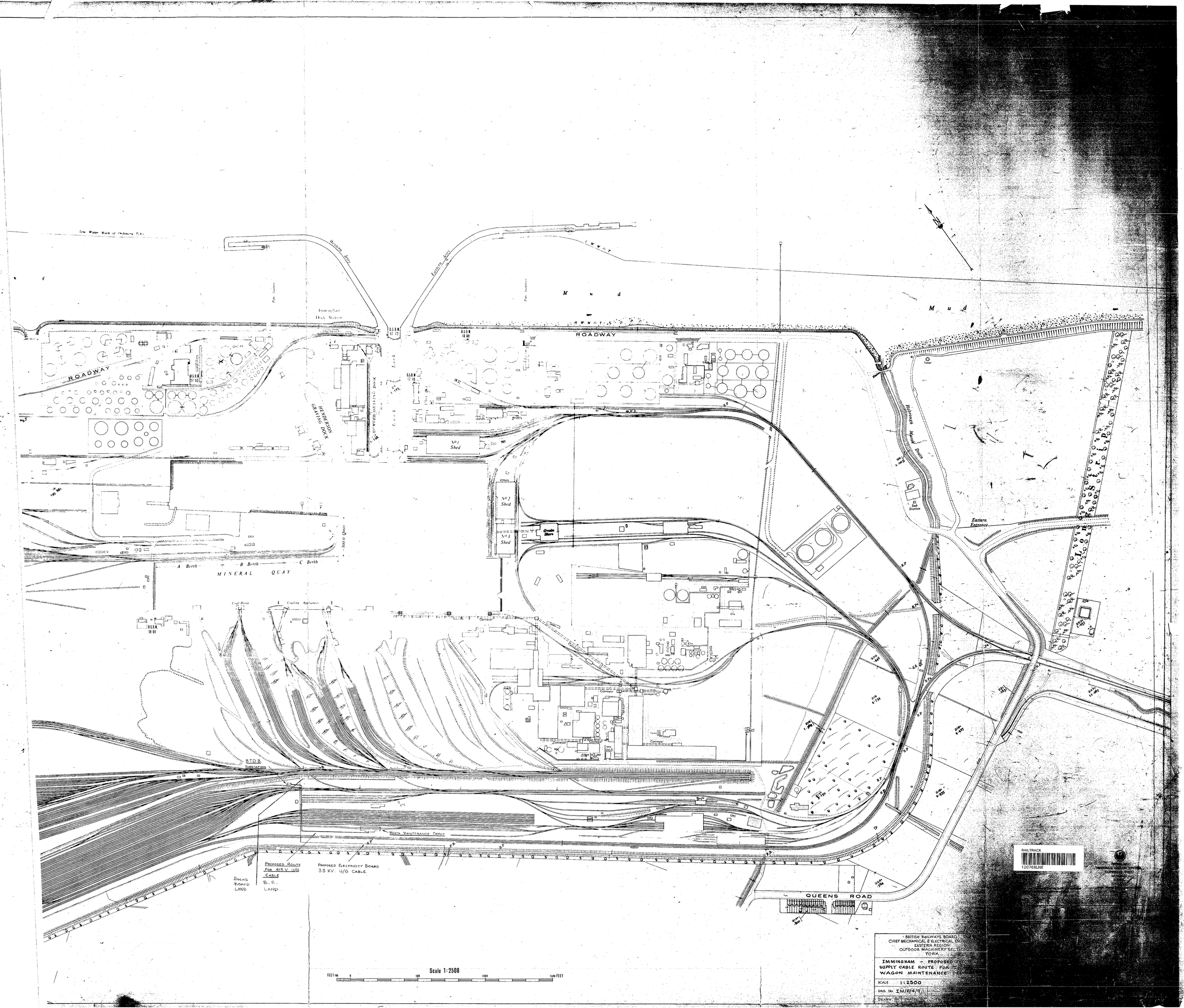


D — D

RAILTRACK
106843LNE

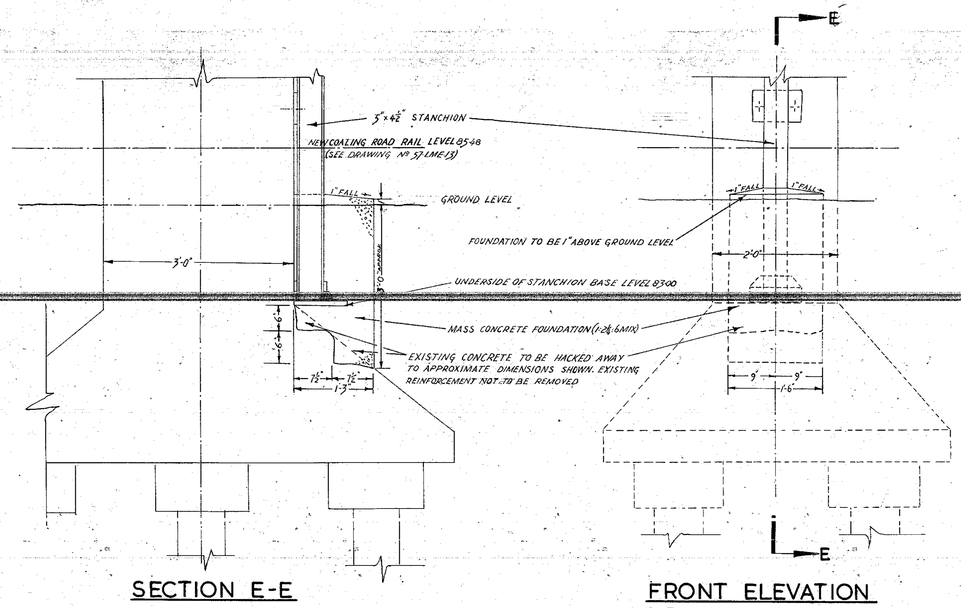
BRITISH RAILWAYS BOARD CHIEF CIVIL ENGINEER'S DEPT.	EASTERN REGION KINGS CROSS STATION
REVISED	IMMINGHAM DIESEL MAINTENANCE AND SERVICING DEPOT LUBRICATING OIL OFF-LOADING POINT
D.E. CORRES C.C.E. NW 27868 / A.I. / M.L. / SHEET OF	APPROVED 4.10.65
	M.J.N.
	J.D. WEST A.C.E.(MOD.) CHIEF CIVIL ENGINEER
	SCALES 1/4", 1/2" & 1" = 1 FT.
	K 66 DRAWG.
	C.C.E.'s No. 65NW/307

BR 8871/4



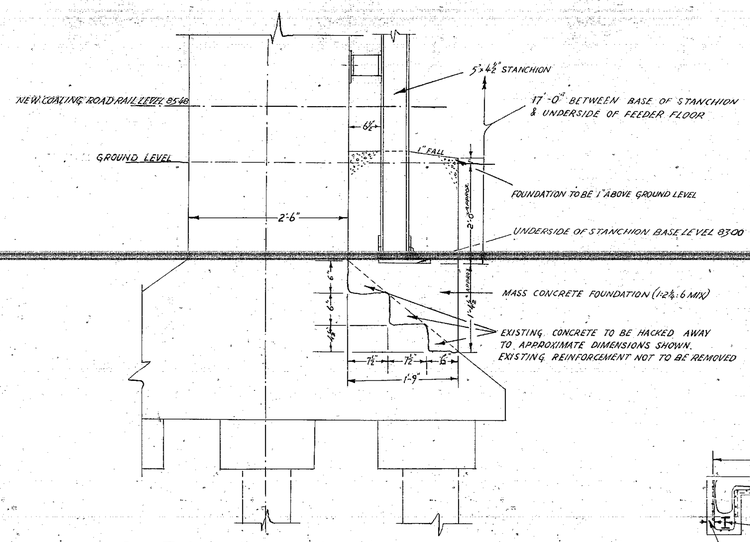
Low Water Mark of Ordinary Tides
Western Jetty
Eastern Jetty
Pipe Gantries
Immingham Dock Station
Mud
ROADWAY
HENDERSON GRAVING DOCK
HUMBER GRAVING DOCK
Lock
No 1 Shed
No 2 Shed
No 3 Shed
Grain Store
Hobrough Marsh Drain
El. Sub Station
Eastern Entrance
Long Strip
A Berth
B Berth
C Berth
MINERAL QUAY
Coal Hoist
Coaling Appliances
Conveyor
B.T.D.B. Substation
Wagon Maintenance Depot
Proposed Route For 415 V. U/G Cable
Proposed Electricity Board 33 KV. U/G Cable.
Docks Board Land
B.R. Land
QUEENS ROAD
Scale 1:2500
FEET 100 0 500 1000 1500 FEET
RAILTRACK
12076BLNE
BRITISH RAILWAYS BOARD
CHIEF MECHANICAL & ELECTRICAL ENGINEER
EASTERN REGION
OUTDOOR MACHINERY SECTION
YORK
IMMINGHAM - PROPOSED ELECTRIC SUPPLY CABLE ROUTE FOR WAGON MAINTENANCE DEPOT
SCALE 1:2500
DRG. No. IM/P/4/9
DRAWN
TRACED

CONTRACT DRG. No.2

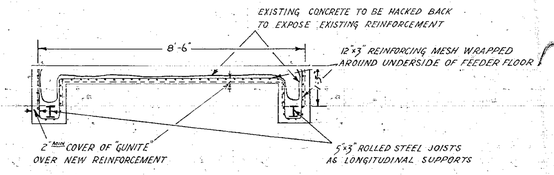


SECTION E-E

FRONT ELEVATION
CORNER COLUMNS



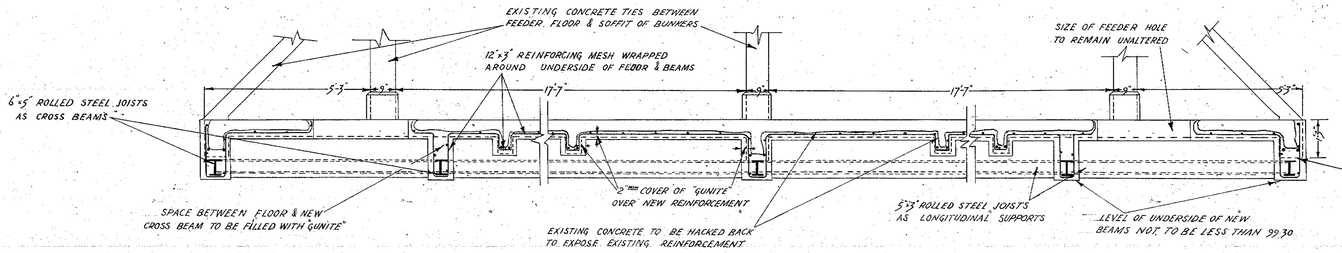
SECTION THROUGH CENTRE COLUMNS



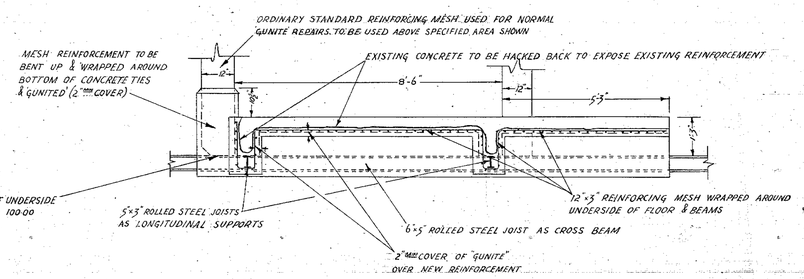
SECTION D-D

DETAILS OF STANCHION FOUNDATIONS

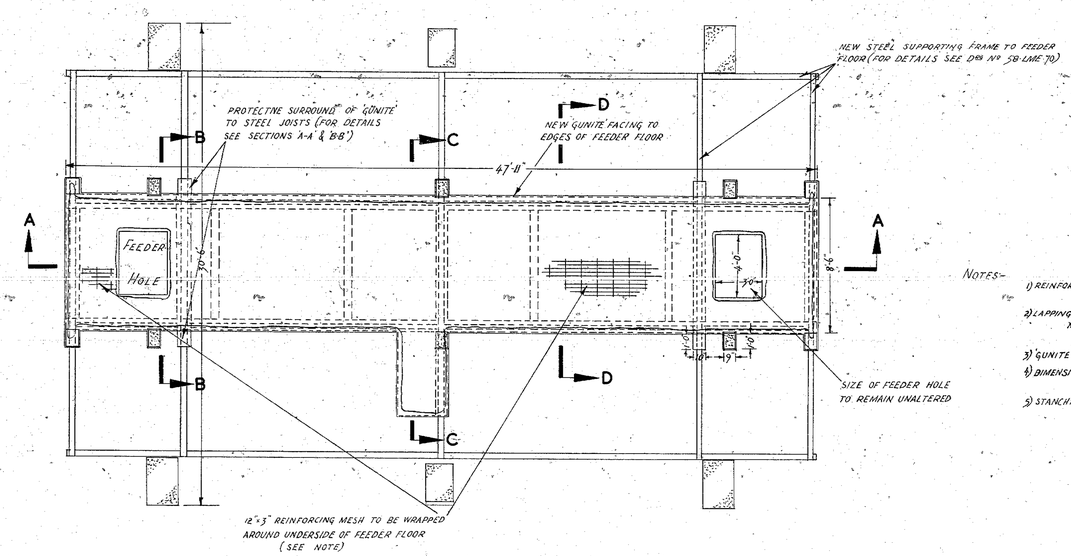
SCALE:- 1 FOOT - 1 INCH



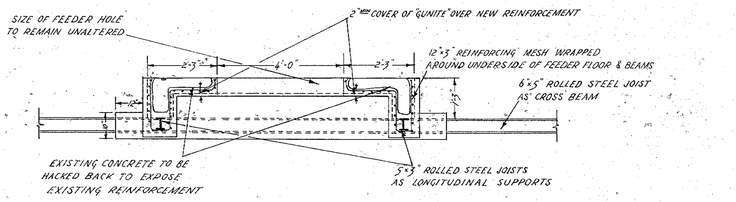
SECTION A-A



SECTION C-C



PLAN OF FEEDER FLOOR



SECTION B-B

NOTES-

1) REINFORCING MESH — REINFORCING MESH TO UNDERSIDE OF FEEDER FLOOR & BEAMS TO CONFORM TO BS1221:1965: TABLE A1 - REF No 108.

2) LAPPING OF REINFORCING MESH — ALL REINFORCING MESH IS TO BE LAID IN THE DIRECTION SHOWN ON THE PLAN & ALL JOINTS ARE TO BE LAPPED 12" LONGITUDINALL & 6" CROSSWISE.

3) 'GUNITE' COVER — ALL 'GUNITE' MUST BE 2" MIN COVER OVER NEW REINFORCING FABRIC.

4) DIMENSIONS — ALL MAIN DIMENSIONS SHOWN ARE EXISTING DIMENSIONS AND ANY INCREASE DUE TO THE REPAIR WORK IS TO BE DETERMINED ON SITE

5) STANCHION FOUNDATIONS — THE TOP OF THE STANCHION FOUNDATIONS MUST BE 1" ABOVE PRESENT GROUND LEVEL

DETAILS OF REPAIRS TO FEEDER FLOOR

SCALES:- 4 & 2 FEET - 1 INCH

C703

RAILTRACK
147087LNE

B.T.C. BRITISH RAILWAYS — EASTERN REGION
CHIEF CIVIL ENGINEER'S DEPT. — KING'S CROSS STATION

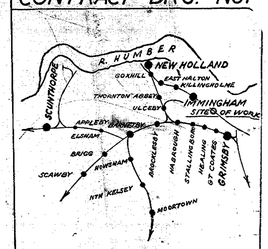
REVISED

IMMINGHAM DOCK LOCO.
REPAIRS TO COALING PLANT
DETAILS OF STANCHION FONDATIONS
& REPAIRS TO FEEDER FLOOR

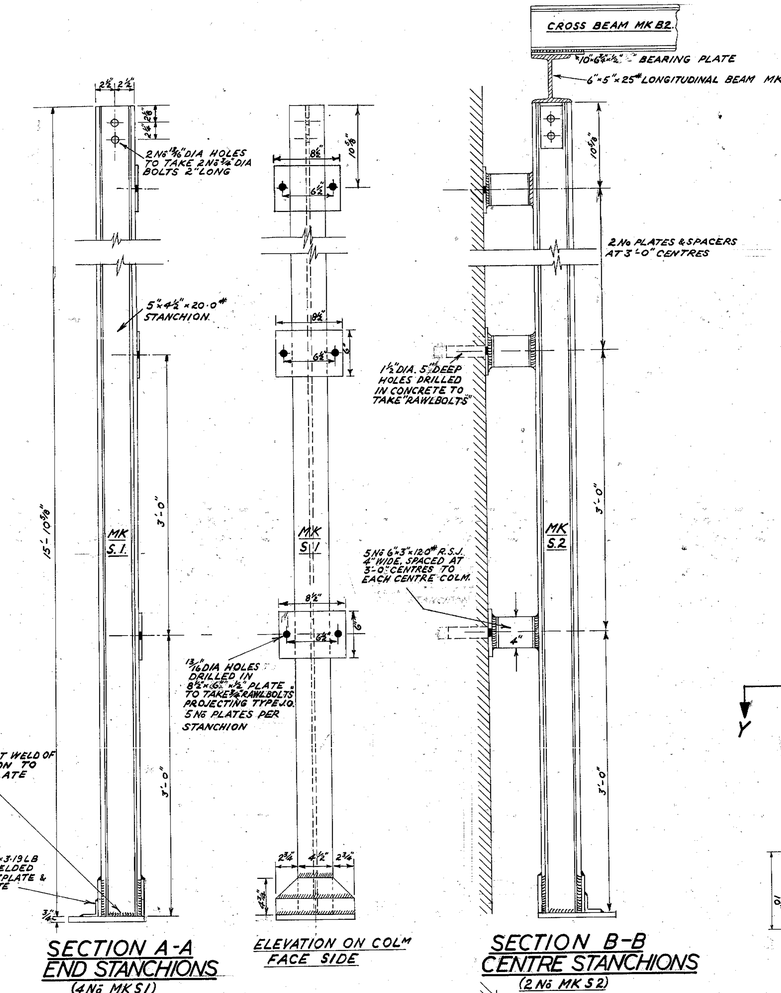
D.E.	CORRES. C.E.	APPROVED	SCALES:-
	M.E. 25195		4.2.& 1 FEET - 1 INCH
A.J.S.	A.J.S.	ASSISTANT ENGINEER(WM)	D.E's No
SHEET 2 OF 4		CHIEF CIVIL ENGINEER	C.C.E's No. 58·LME·71

E 765 PH703

CONTRACT DRG. Nō.



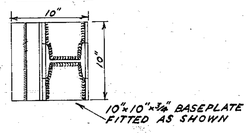
KEY MAP DIAGRAM



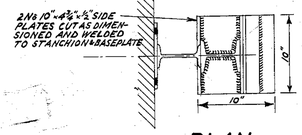
SECTION A-A
END STANCHIONS
(4 Nō MK S1)

ELEVATION ON COLM FACE SIDE

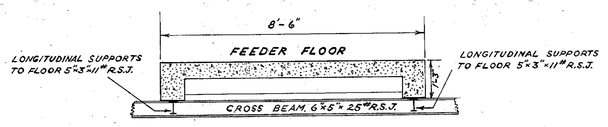
SECTION B-B
CENTRE STANCHIONS
(2 Nō MK S2)



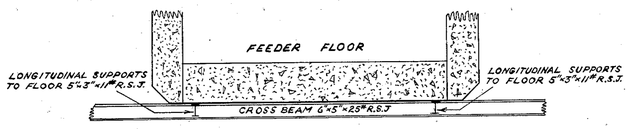
PLAN



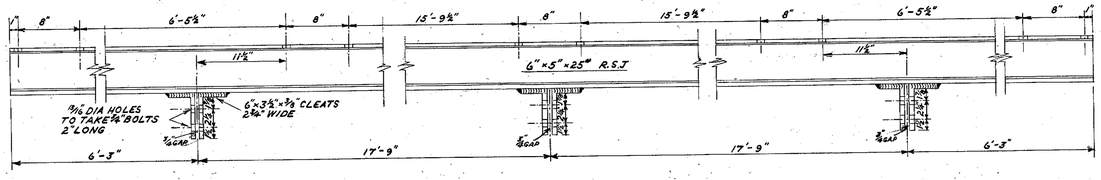
PLAN

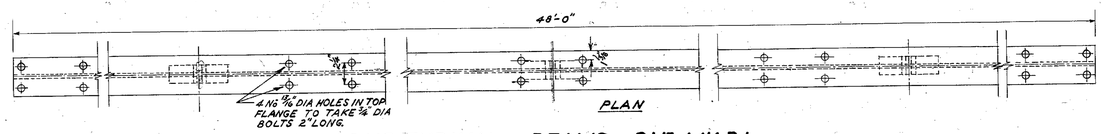


SECTION C-C THRO' FEEDER FLOOR

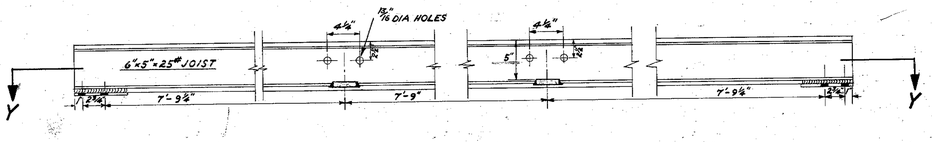


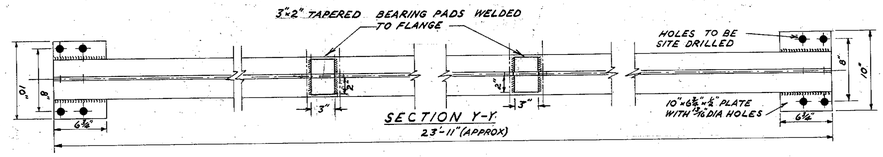
SECTION D-D THRO' FEEDER FLOOR



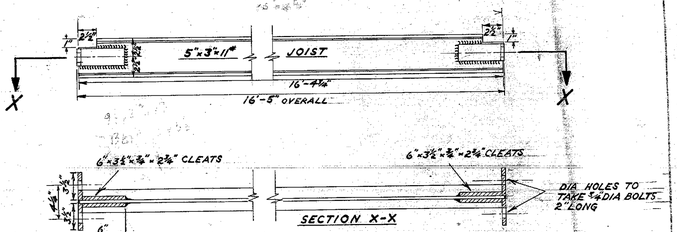


MAIN LONGITUDINAL BEAMS 2 Nō MK.B.1.

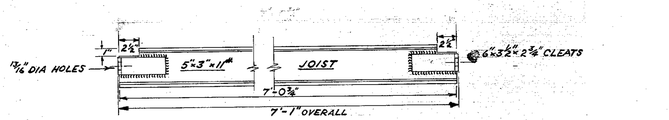




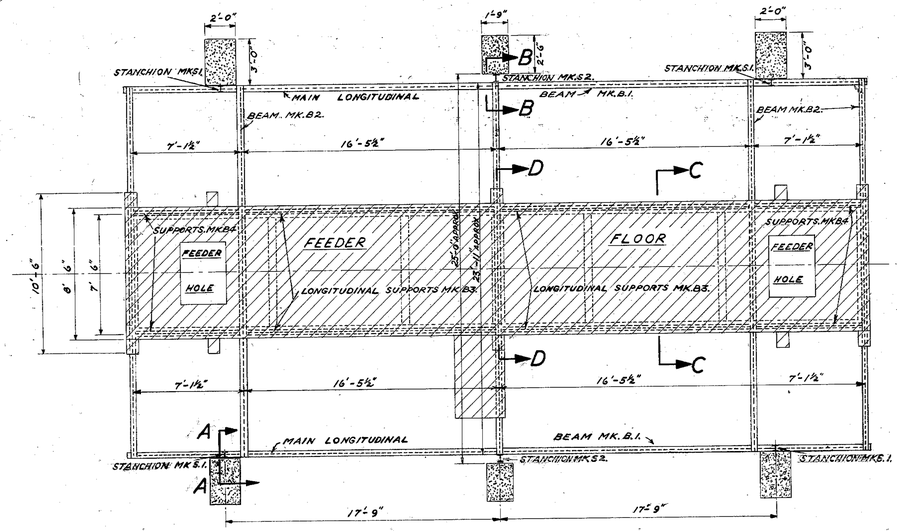
CROSS BEAMS 5 Nō MK.B.2.



LONGITUDINAL SUPPORTS TO FLOOR 4 Nō MK.B.3.



LONGITUDINAL SUPPORTS TO FLOOR 4 Nō MK. B.4.



PLAN OF FEEDER FLOOR

NOTES

FOR DETAILS OF CONCRETE REPAIRS TO FEEDER FLOOR AND STANCHION FOUNDATIONS SEE DRAWING Nō 58 LME 71.

FOR DETAILS OF GENERAL REPAIRS TO REMAINDER OF PLANT SEE DRAWING Nō 57 LME 13.

DIMENSIONS MARKED (APPROX) ARE TO BE CHECKED ON SITE BY THE CONTRACTOR

ALL JOISTS ARE TO BE OF DIMENSIONS AND WEIGHT SHOWN, NO LIGHTER OR ALTERNATIVE SECTION TO BE USED UNLESS AUTHORISED BY THE ENGINEER.

ALL BOLT HOLES TO BE ⅞ DIAM. FOR ⅞ BOLTS.

HOLES SHOWN THUS ⊖ DRILLED PRIOR TO ERECTION.
HOLES SHOWN THUS ⊕ DRILLED DURING ERECTION.

ALL WELDING SHOWN TO BE ⅜ FILLET WELDS TO CONFORM TO B.S. 528. UNLESS OTHERWISE NOTED

570

RAILTRACK
147088LNE

B.T.C. BRITISH RAILWAYS
CHIEF CIVIL ENGINEER'S DEPT.
EASTERN REGION
KING'S CROSS STATION

REVISED

IMMINGHAM DOCK LOCO REPAIRS TO COALING PLANT
DETAILS OF STEELWORK SUPPORT TO FEEDER FLOOR

D.E. CORRES. C.E. ME 25/95
R.J.M.G.
SHEET 1 OF 4

APPROVED
ASSISTANT ENGINEER(M)
CHIEF CIVIL ENGINEER

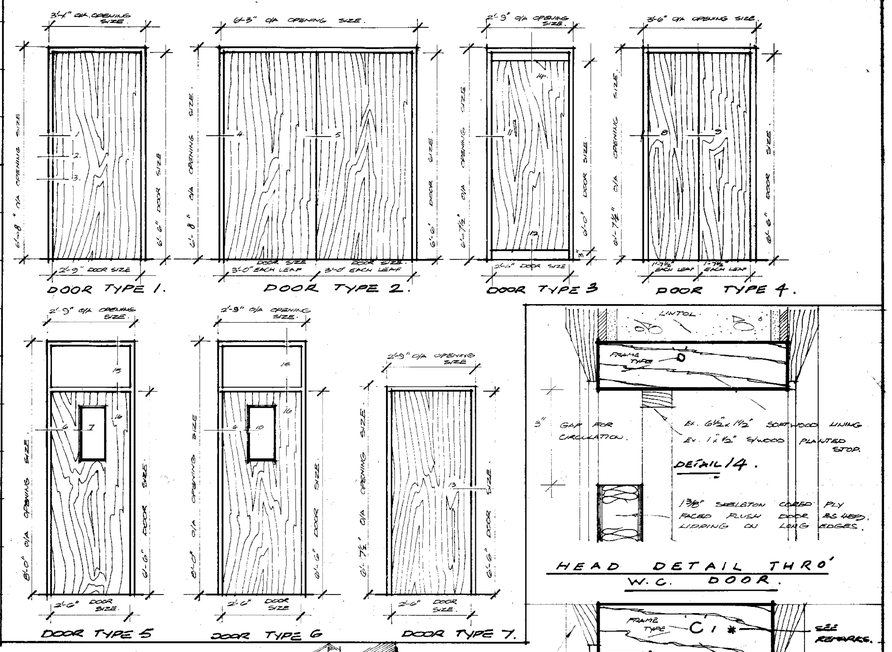
SCALES 1½" TO 1 FOOT, 2⅝ 4" TO 1 INCH
D.E.'s No.
C.C.E.'s No. 58/1 ME 70

E 765 PH 7088

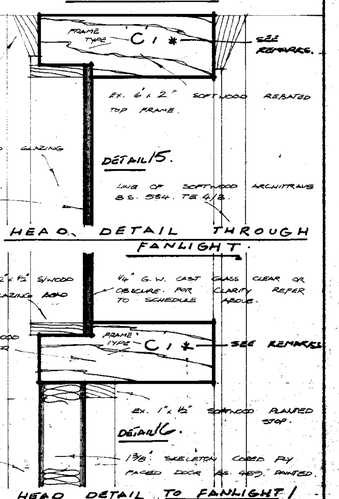
B.R. CONTRACT No. 83.

LEVEL.	LOCATION.	DOOR No.	DOOR SIZE.	DOOR TYPE.	FIRE RESISTANCE	MATERIAL.	CLEAR OPENING SIZE.	FRAME TYPE.	ARCHITRAVE.	FURNITURE.	DETAILS	REMARKS.
LOWER FLOOR.	WATER / OIL ANALYSIS.	D1.	2'9" x 6'6".	1.	1 HOUR	2⅛" PAINTED SOLID CORE FLUSH DOOR. BS 459. PLY FACED LIPPING ON LONG EDGES	3'1" x 6'8"	A.	HARDWOOD. BS. 584. TE. 4/3.	1 PAIR 6" HEAVY PRESSED STEEL BUTT HINGES. / NO 9" HIGH MORTICE KICK PLATE. 1 NO 12" PUSH PLATE. / NO 3½" MORTICE LOCK COMPLETE WITH EXCUTCHEON PLATES & KEYS & LEVER HANDLES SATIN CHROME FINISH. / NO DOOR CLOSER.	1	
	CLEANER.	D2.	2'5" x 6'6".	1.	1 HOUR	do.	3'1" x 6'8"	A.	do	do.	2	
	BATTERY ROOM.	D3.	2'5" x 6'6".	1.	1 HOUR	SAME AS D1. ONLY ACID RESISTING SHEETING ONE SIDE 4'0" HIGH.	3'1" x 6'8"	A.	do	do.	3	
	LUBRICATING OIL STORE.	D4.	3'0" x 6'6" (2 NO LEAVES)	2.	1 HOUR	AS D1.	6'3" x 6'8".	A.		CONTROLLED MORTICE DOOR PLATE & KICK PLATE BOTH SIDES. / NO 5" & LEVER DOUBLE ACTION MORTICE LOCK COMPLETE WITH EXCUTCHEON PLATES SATIN CHROME FINISH. / PAIR OF 6" LEVER ACTION PUSH PLATES & HANDLES. / PAIR OF DOUBLE ACTION FLOOR SPRINGS. THE 2 DOORS	4 & 5	
UPPER FLOOR.	SHIFT FOREMAN	D5	SEE SPECIALISTS DRAWINGS.									
	STORES CLERK.	D6	2'6" x 6'6".	7.		1⅜" PAINTED SKELETON CORED PLUSH DOOR. BS 459. PLY FACED LIPPING ON LONG EDGES.	2'9" x 6'7½	B.	SOFT WOOD BS. 584. TE 4/3.	1 PAIR 4" HEAVY PRESSED STEEL BUTT HINGES. / NO 9" HIGH MORTICE KICK PLATE. 1 NO 12" MORTICE PUSH PLATE. 1 NO 3½" MORTICE LOCK COMPLETE WITH ESCUTCHEON PLATES. 2 KEYS & LEVER HANDLES. SATIN CHROME FINISH.	13	
	CUPBOARD	D7.	1'7½" x 6'6" (2 NO. LEAVES)	4.		do.	3'6" x 6'7½".	C.	do	1 PAIR 4" MEDIUM PATTERN STEEL BUTT HINGES. / NO 3½" MORTICE LOCK COMPLETE WITH ESCUTCHEON PLATES. 2 NO KEYS & LEVER HANDLES. SATIN CHROME FINISH.	8 9 11 12 & 14	
	W.C.	D8	2'6" x 6'0".	3.		do.	2'3" x 6'7½".	D.	do	do.	6 15 16	*C1 SAME WIDTH ONLY 9" DEEPER FOR REBATE
	LAVATORY.	D9.	2'6" x 6'6"	5.		AS. D6. BUT INCLUDING GLAZED PANEL. (OBSCURE 24"x 6").	2'3" x 6'6".	C1 - SEE REMARKS. C.	do	1 PAIR 3" HEAVY STEEL PRESSED BUTT HINGES. / NO 3" HIGH MORTICE KICK PLATE. / NO 12" MORTICE PUSH PLATE. / NO 3½" MORTICE LOCK COMPLETE WITH ESCUTCHEON PLATES & KEYS & LEVER HANDLES. SATIN CHROME FINISH.	6 10 15 16	do.
	WORKS STUDY OFFICE.	D10	2'6" x 6'6"	6.		AS. D6. BUT INCLUDING GLAZED PANEL. (CLEAR 6"x 6").	2'9" x 6'6".	C.	do.	do.		
	CHIEF MECH' FOREMAN.	D11	SEE SPECIALISTS. DRAWINGS.									
	INJECTOR TEST ROOM.	D12	SEE SPECIALISTS. DRAWINGS.									
	WORKSHOP / UPPER STORES.	D13	SEE SPECIALISTS. DRAWINGS.									
LOWER FLOOR.	LOWER STORES.	D14	2'9" x 5'6"	Rg. 1 (w/l work spec)	1 HOUR	AS D1.	3'1" x 6'0¾"	A	HARDWOOD BS 584 TE 4/3.	1 pair 6" heavy pressed steel butt hinges. 1 No push plate		GROUP 2220/32

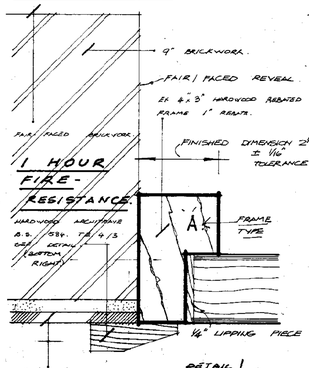
ELEVATIONS & SIZES OF DIFFERENT DOOR TYPES.



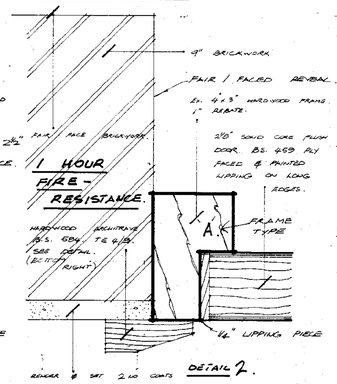
HEAD DETAIL THRO' W.C. DOOR.



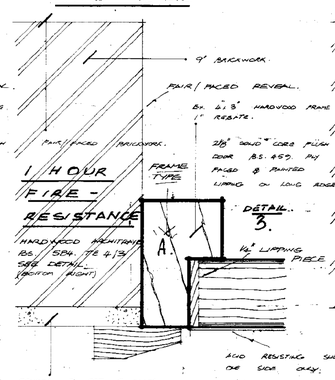
JAMB DETAIL.



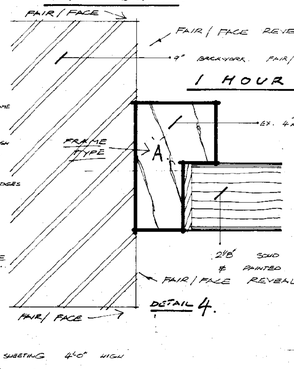
JAMB DETAIL



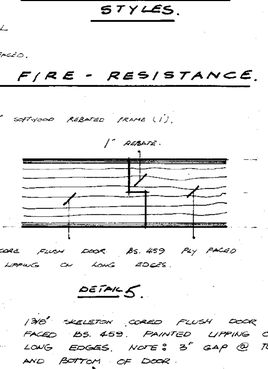
JAMB DETAIL



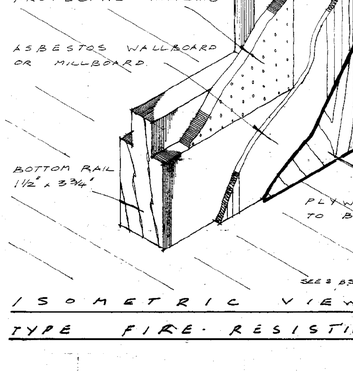
JAMB DETAIL.



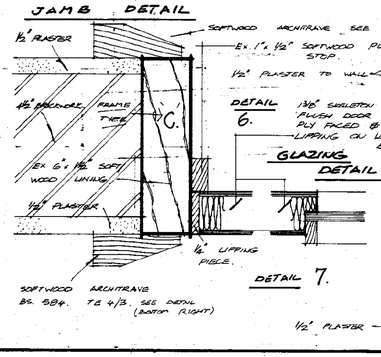
DETAIL OF MEETING STYLES.



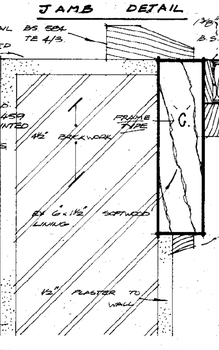
DETAIL OF MEETING STYLES.



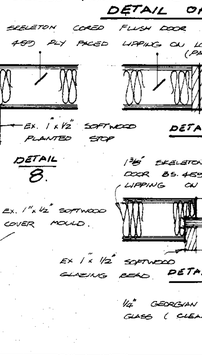
JAMB DETAIL.



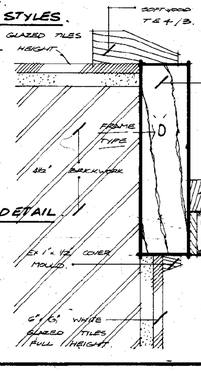
JAMB DETAIL



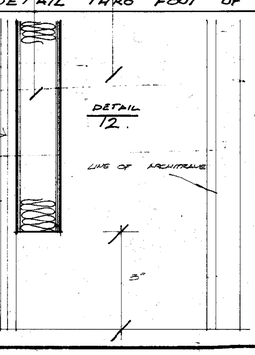
DETAIL OF MEETING STYLES.

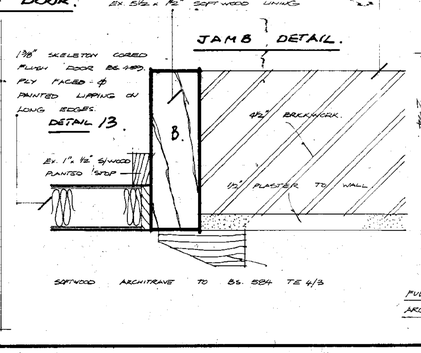


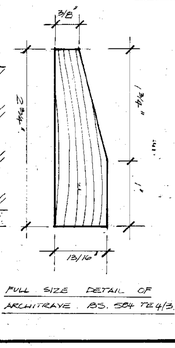
JAMB DETAIL



DETAIL THRO' FOOT OF DOOR.







'AS MADE'

FOR CONSTRUCTION

Revisions	
Date	
A. 21/8/63	DOOR NO. D14 OMITTED.
B. 28/8/63	NEW DOOR D14 ADDED. DETAIL 5 AMENDED. OPENING SIZES AMENDED IN TYPE 1 & 2.

Job: BRITISH RAILWAYS DIESEL SERVICE, STATION, MANCHESTER

Title: DOOR SCHEDULE & DETAILS.

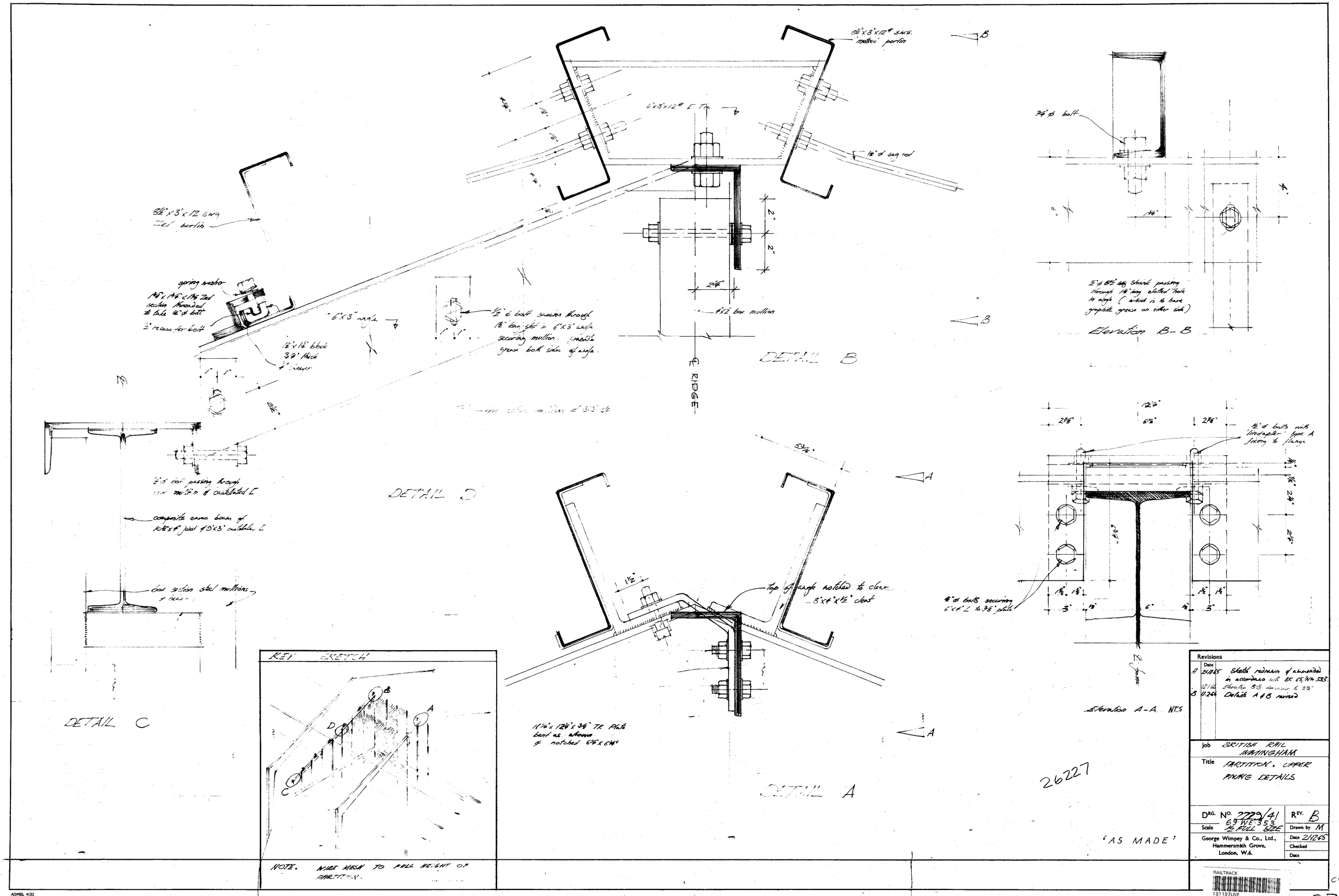
DRG. NO. 2220/38 69 WE. 350 — REV. B.

Scale: ½"=1'0". ⅛ Fs. & F.S. — Drawn by: [redacted]

George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6. — Date: 7.6.63 — Checked: [redacted] — Date: Sept 63

RAILTRACK 181194LNE

ACME 5006



Revisions		
	Date	
A	2.12.65	Sketch redrawn & amended in accordance with BK 65/Nn 333.
	12.1.66	Elevation B-B dimension to 3½"
B	11.2.66	Details A & B revised

Job: BRITISH RAIL WAMINGHAM

Title: PARTITION. UPPER FIXING DETAILS

DRG. No. 2229/41 69 WE 353 — REV. B

Scale: ½ FULL SIZE — Drawn by M

George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.

Date 2.12.65

Checked

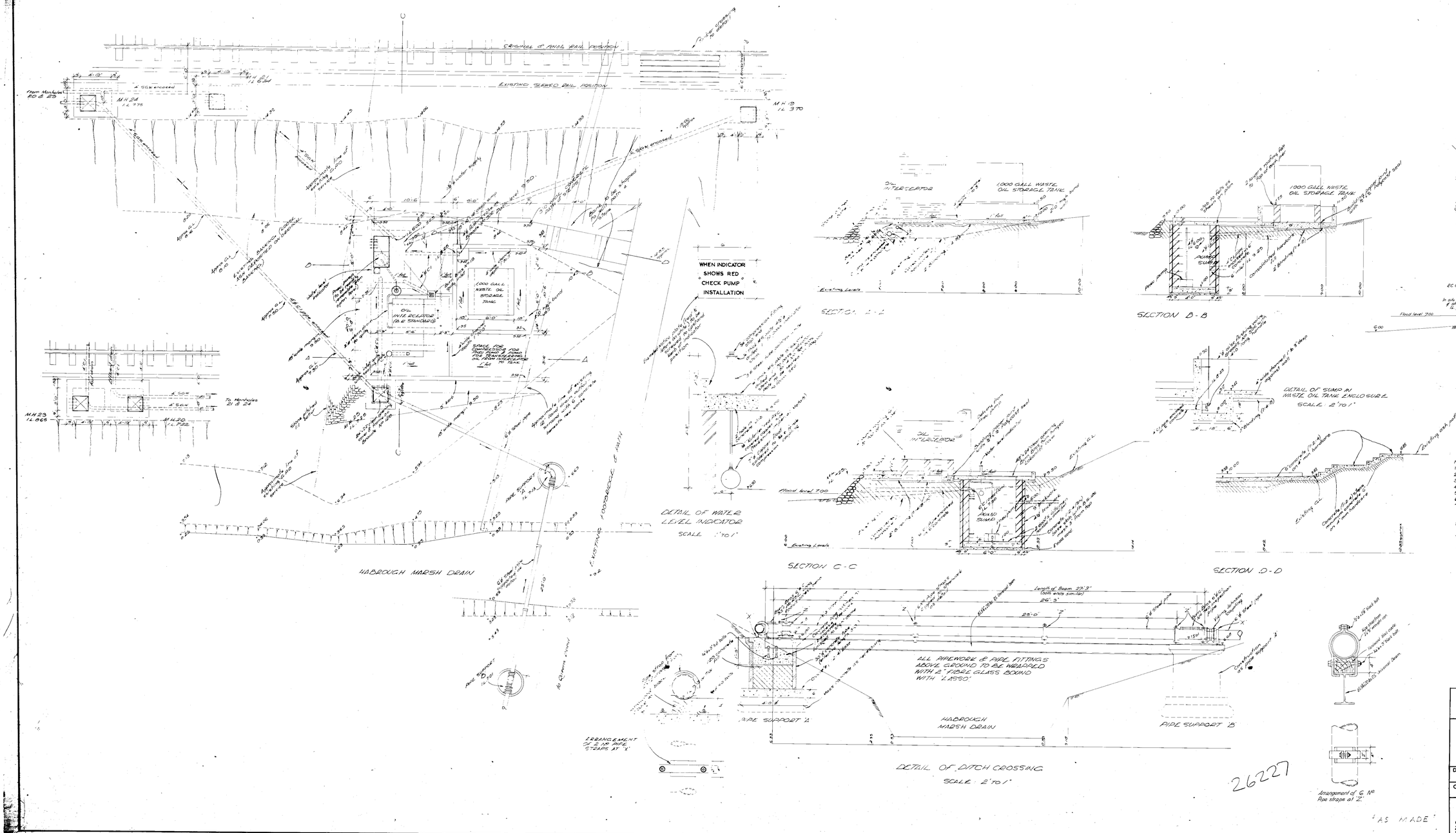
Date

RAILTRACK 181197LNE

CONT

133

ADMEL 4132



NOTES

1. All concrete to be 1:2:4 (3v) mix unless noted.
2. Concrete blinding to be 1:4:8 (1N) mix.
3. All drains cased in 6" thick concrete 1:2½:6 (2N) mix
4. For details of reinforced concrete work see drawing nos. AD/GC/1064
5. For details of mechanical and electrical work see particular drawings.
6. All brickwork to be 2nd quality engineering bricks.
7. All drainage pipework and fittings shown on this drawing which are above ground, are to be wrapped with 2" of fibre glass and bound with 'Lasso'.
8. Pipe support beam and fittings to be painted 2 coats bituminous paint.
9. Apron to be treated with 'Lithurin' No 5. Obtainable from Building Products" Warple Rd. S.W.18.
10. All horizontal joints in paving to be sealed with Polycast ¾" x ¾" cross-section
11. Stone pitching to batter to be jointed with & bedded in cement motor. (1:6)

Rev 'E' 29.9.65 Invert & levels of effluent drain from office & stores amended.
Rev 'D' 5.8.65 Levels added to slab Level Indicator, Pump Sump base & slabs amended.
Rev 'C' 29.6.65 Pipe support beam & strap details amended
Rev 'B' 15.6.65 Slope, path & position of MH 25 amended.
Rev 'A' Generally Revised and Redrawn

BRITISH RAIL

Diesel Service Station Immingham.

Detail of Outfall Drain and General arrangments of waste oil installation on outfall drain.

DRAWN	TRACED	SCALE
G.W.F.	A.G.Q.	1/4 to 1 ft. or as shown.
CHECKED	DATE 26-5-65	

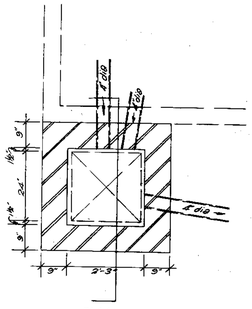
GEORGE WIMPEY & CO LTD.
27 HAMMERSMITH GROVE,
LONDON, W 6

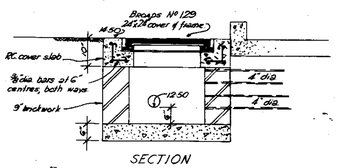
DRAWING NO. E.D. 1897/2

69 WE 358 133

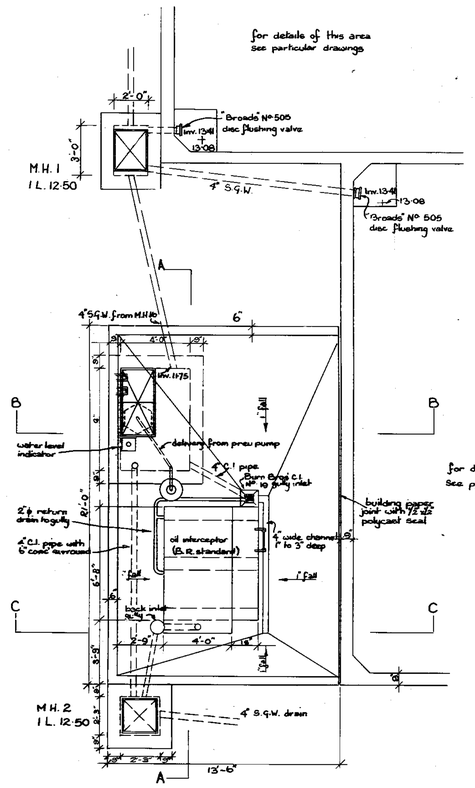
26227

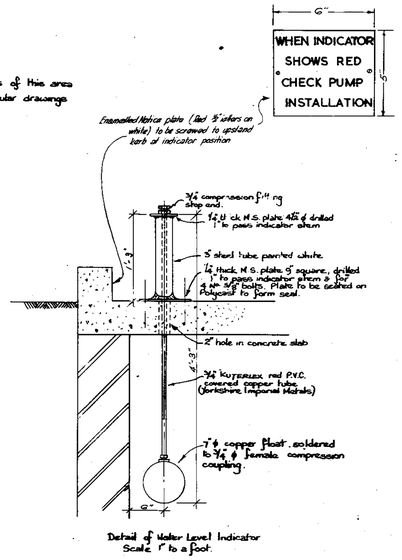
'AS MADE'



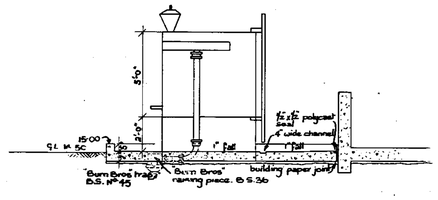


SECTION
M.H. No 2.
Scale: 2' to an inch

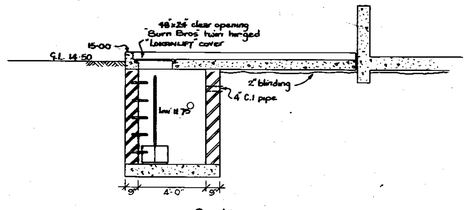




Detail of Water Level Indicator
Scale 1" to a foot.



Section B-B.



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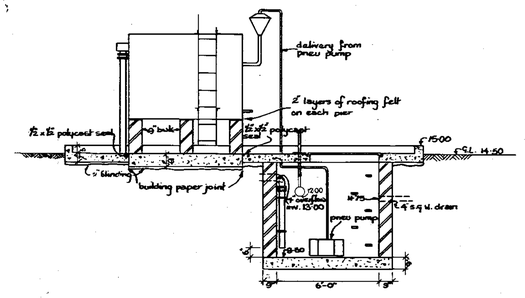
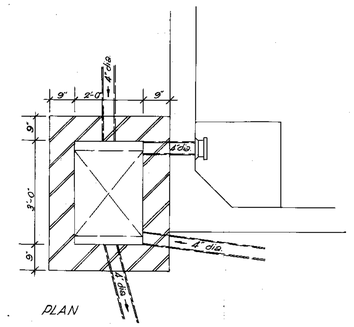
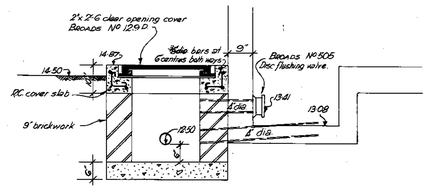


Section A-A.





SECTION
M.H. No 1.
Scale: 2' to 1"

Notes:-
1. All concrete to be 1:2:4 (3/4") mix unless noted.
2. Concrete blinding to 1:4:8 (1½) mix.
3. All drains cased in 6" thick concrete 1:2½:6 (2") mix.
4. For details of reinforced concrete work see drawing nos.
5. For details of mechanical & electrical work see particular drawings.
6. All brickwork to be 2nd quality engineering bricks.
7. Apron to be treated with "Lithurin" No 5. Obtainable from: Building Products, Warple Rd. S.W.18.

Rev 'C' 5.8.65. Level Indicator amended. Flexcell joint omitted from Pump Sump.
Rev 'B' 15.6.65. M.H. cover on M.H. No 2 enlarged & M.H. repositioned.
Rev 'A' 25.5.65. Generally revised & redrawn.

BRITISH RAIL

Diesel Service Station, Immingham

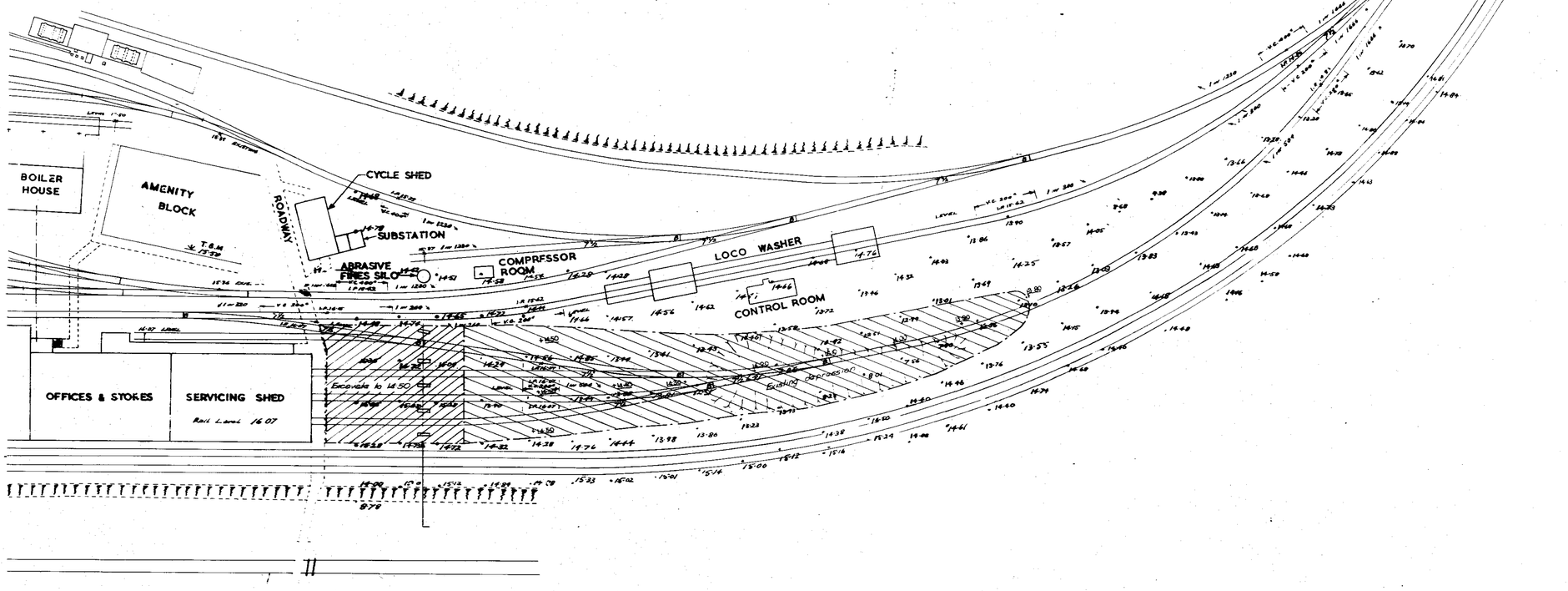
General Arrangement of Waste Oil Installation Adjoining Fuel Tank Area.

Drawn:	Traced: E.D. LTD.	Scale: 4 ft to an inch
Checked:	Date: 19-5-65	
Surveyors Dept Geo. Wimpey & Co., Hammersmith Grove, London, W.6.		Drawing No. E.D. 1837/3 C, 69·WE·359 133

26227

RAILTRACK
181199LNE

'AS MADE'



Cut

Fill

Existing

Proposed

NOTES:
All levels refer to Ordnance Datum Newlyn. T.B.M. 16.53 on step of Amenity block foyer. Levels shown thus :- 16.14.86, refer to levels at the intersection of gradients and are not actual rail levels at the point indicated.

26227

'AS MADE'

RAILTRACK
181200LNE

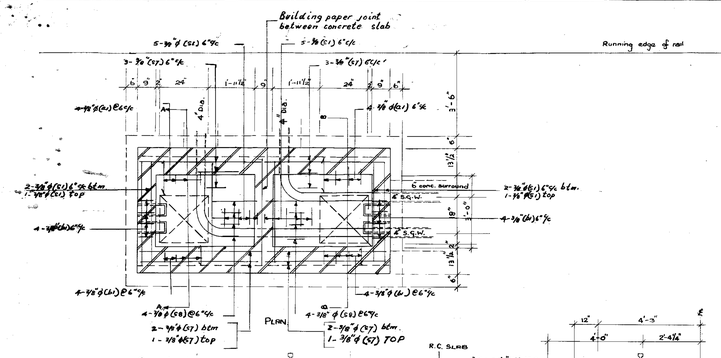
BRITISH RAIL.
Diesel Service Station. Immingham

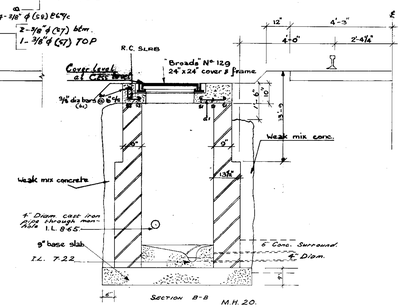
TRACK REGRADING

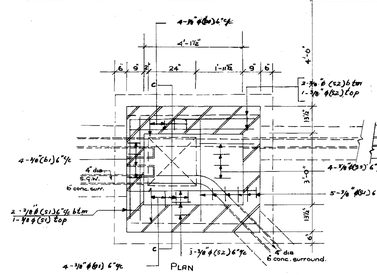
DRAWN	TRACED	SCALE
CHECKED	DATE 16·6·65	40ft to 1 Inch.

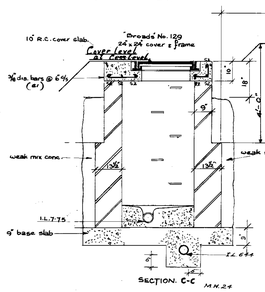
SURVEYORS DEPT.
GEORGE WIMPEY & CO LTD.
27. HAMMERSMITH GROVE,
L O N D O N, W 6

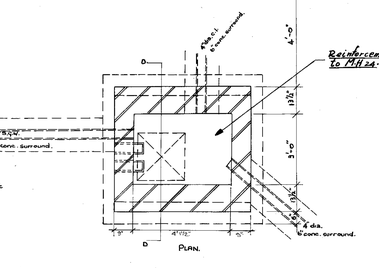
ED 1837/4
69·WE·360/33

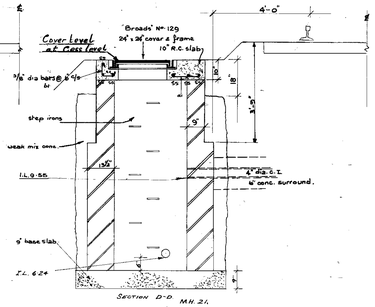


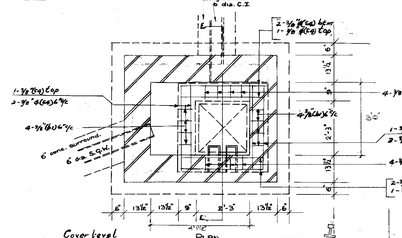


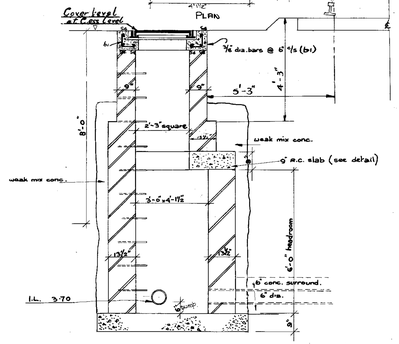






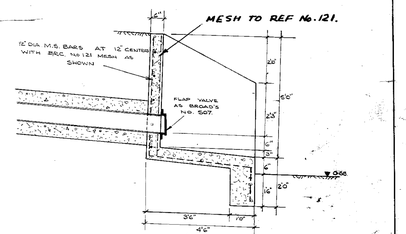


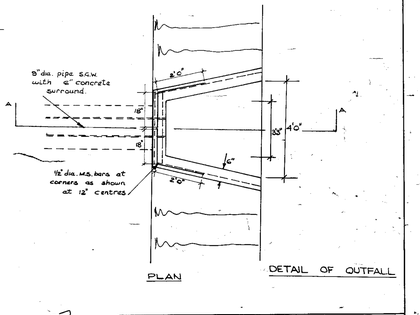


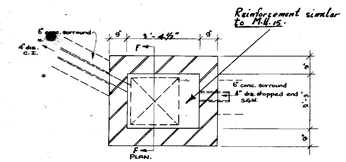


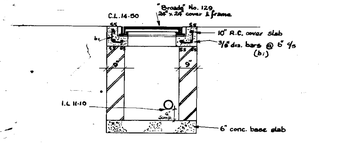
Notes:

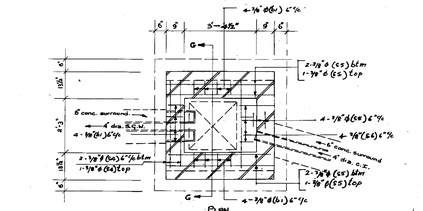
1. Where existing land drains which are to remain in use are found to coincide with new manhole positions such land drains are to be diverted around the new manholes.
2. All brickwork to be of 2nd. quality engineering bricks in English bond in 1:3 cement/sand mortar.
3. All concrete to be 1:2:4 (3V) mix unless noted.
4. Concrete blinding to be 1:4:8 (1.N) mix.
5. All drains to be encased in concrete 1:2/4:6 (2.N.) mix 6" thick.
6. Cover to all reinforcement to be 1½" minimum.
7. All manholes to be water-tight on completion.
8. Manhole cover frames to be bedded on and flushed up with 1:2 cement/sand mortar.
9. Two manhole keys to be supplied with each type of cover.
10. Excavations for manhole construction to be backfilled with weak mix concrete 1:4:8 (1.N)
11. Reinforcement to comply with B.S. 1221. & B.S. 785
12. Step irons to comply with B.S. 1247.
13. Brickwork to manhole walls shall be 13½" thick where shown on details for walls parallel and in close proximity to rail tracks. Elsewhere brickwork shall be 9" thick to a depth of 9'-0" from cover level and 13½" thick below 9'-0".
14. For details of reinforcement in reducing slab see ~~below~~.
15. Sulphate Resisting Cement to be used for all Concrete

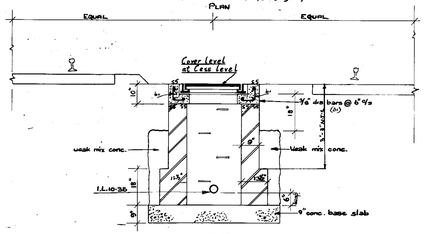


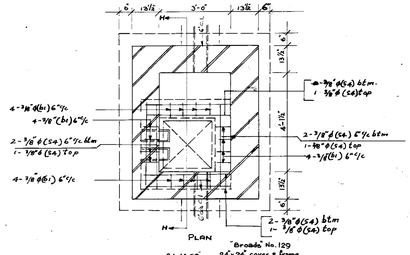


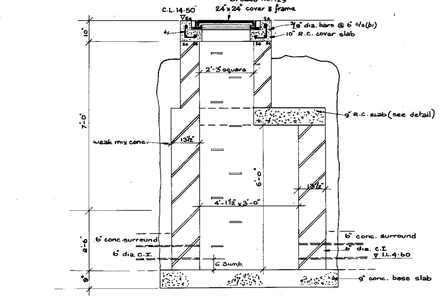


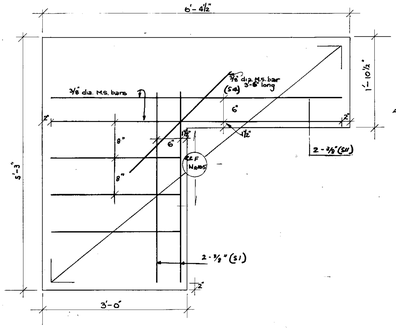












DETAIL OF REINFORCEMENT IN REDUCING SLABS OF ALL MANHOLES

Scale 1" to 1'-0"

NOTE: The mesh is to be placed 1½" up from the bottom with the ⅜ M.S. bars placed on top of the mesh.

"AS MADE"

BENDING SCHEDULE

LOCATION	MARK	DIA.	LENGTH	Nº	TOTAL Nº	A	B	C	D	REMARKS
MH 20 & 23	a1	⅜"	2'-0"	4	8	1'-4"				
	b1	⅜"	1'-9"	8	16	7½"	7"			
	S7	⅜"	5'-0"	6	12					
	S1	⅜"	4'-3"	8	16					
	S8	⅜"	2'-0"	4	8					
MH. 14 & 15	b1	⅜"	1'-9"	12	24	7½"	7"			
	S4	⅜"	3'-6"	7	14					
	S5	⅜"	4'-6	6	12					
	S6	⅜"	1'-9"	4	8					

BENDING SCHEDULE

LOCATION	MARK	DIA.	LENGTH	Nº	TOTAL Nº	A	B	C	D	REMARKS
MH. 18 & 19	a1	⅜"	6'-0"	2	4					
	b1	⅜"	1'-0"	16	32	7½"	7"			
	S1	⅜"	4'-3"	2	4					
	S4	⅜"	3'-6"	3	26					
MH 21 & 24	a1	⅜"	2'-0"	4	8	1'-4"				
	b1	⅜"	1'-9"	8	16	7½"	7"			
	S1	⅜"	4'-3"	3	18					
	S2	⅜"	5'-3"	6	12					
	S3	⅜"	2'-6"	4	8					

BENDING DIAGRAMS

Dimensions to be measured as in BS 4478/1968 Bends to be 2D unless stated otherwise.

a	b	c
A	B A	Straight

Note	Drawn:	Traced: F.D.LTD.	Scale: 1½"=1'-0"
Revision 'A' 5-8-66 generally amended to comply with clients' alterations	Checked:	Date: 14-6-66	
Rev. B 22-8-66 Manholes 20, 24, 21 amended to suite new invert levels.	The Manager, Surveyors Dept: Geo. Wimpey & Co. Hammersmith Grove London W.6.		Drawing No. E.D. 1857/S/RE 63: WE 38A

BRITISH RAIL

Diesel Service Station, Immingham.

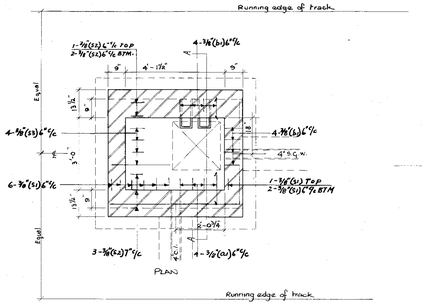
Manhole Details

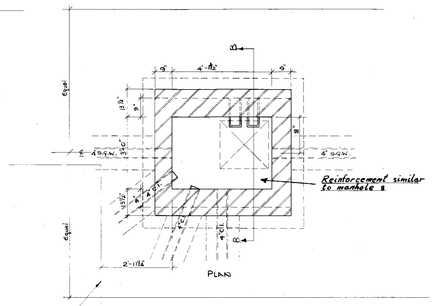
Manhole Nos. 14, 16, 18, 18·, 20, 21, 23, 24.

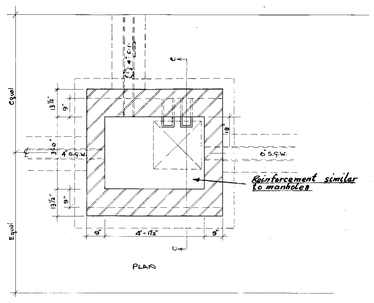
OUTFALL DETAIL AND REDUCING SLAB DETAIL

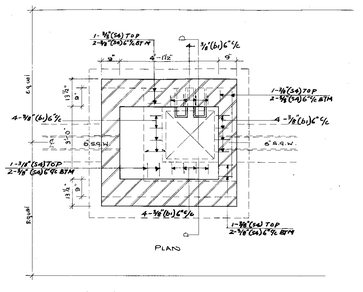
26227

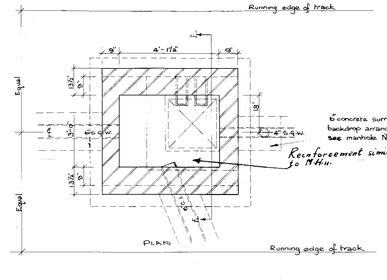
RAILTRACK
TB120/LINE

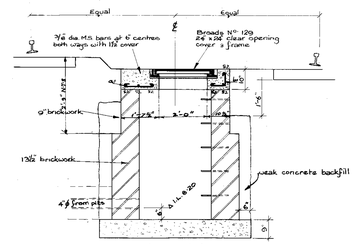




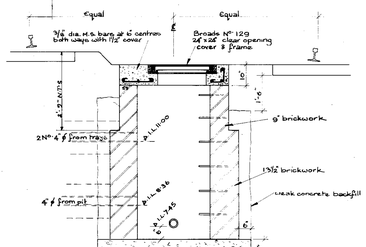








M.H. 8



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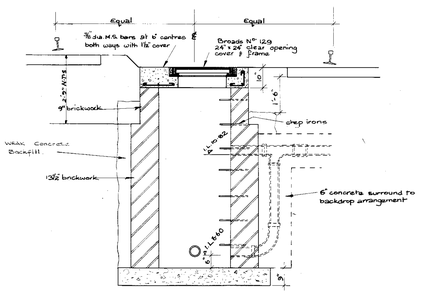

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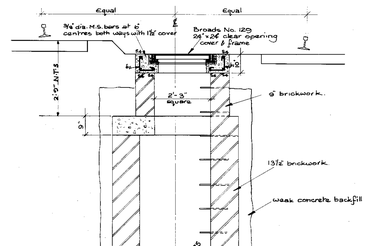
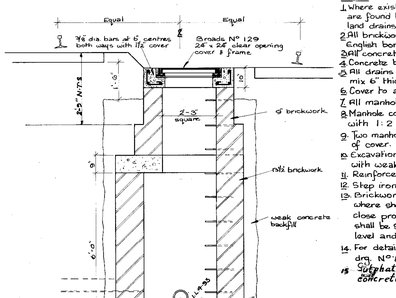


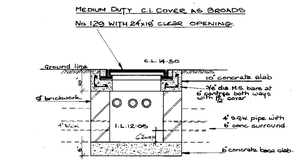
M.H. 11

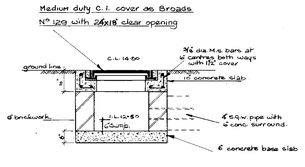


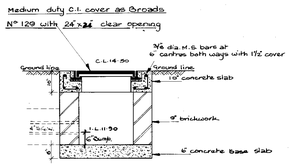
M.H. 16

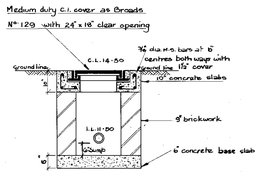
NOTES:

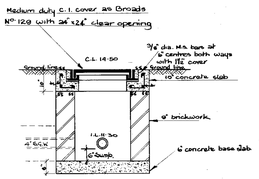
1. Where existing land drains, which are to remain in use, are found to coincide with new manhole positions such land drains are to be dissected around the new manholes.
2. All brickwork to be of 2no. quality engineering bricks in English bond in 1:3 cement/sand mortar.
3. All concrete to be 1:2:4 (3N) mix unless noted.
4. Concrete blinding to be 1:4:8 (1.N) mix.
5. All drains to be encased in concrete 1:2¼:6 (2.N) mix 6" thick.
6. Cover to all reinforcement to be 1½" minimum.
7. All manholes to be watertight on completion.
8. Manhole cover frames to be bedded on and flushed up with 1:2 cement/sand mortar.
9. Two manhole keys to be supplied with each type of cover.
10. Excavations for manhole construction to be backfilled with weak mix concrete 1:4:8 (1.N).
11. Reinforcement to comply with B.S. 1221 & B.S. 785.
12. Step irons to comply with B.S. 1247.
13. Brickwork to manhole walls shall be 13½" thick where shown on details for walls parallel and in close proximity to rail tracks. Elsewhere brickwork shall be 9" thick to a depth of 6'-0" from cover level and 13½" thick below 8'-0".
14. For details of reinforcement in reducing slab see drg. N° E.D. 1837/6.
15. Sulphate Resisting Cement to be used for all concrete.

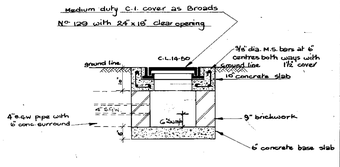


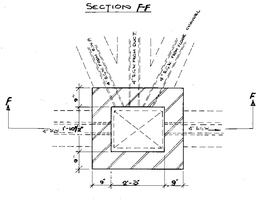


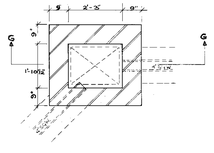


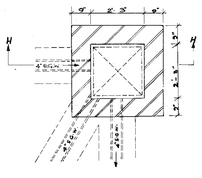


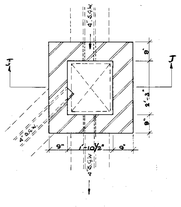


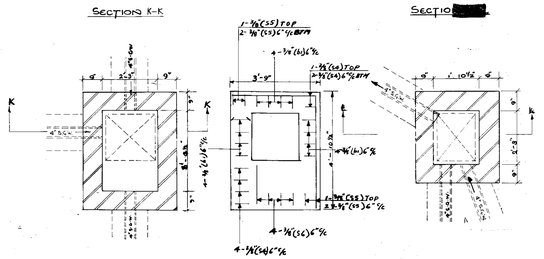












PLAN OF SLAB TO M.H. No 7

BENDING SCHEDULE

LOCATION	MARK	DIA	No. in EACH	Total No.	LENGTH	BENDING	REMARKS
MH 8 MH 9 MH 10	a1	⅜"	4	12	2'-0"	1'-4½" 7" 7½"	
	b1	⅜"	8	24	1'-9"	STRAIGHT	
	c1	⅜"	9	27	4'-3"	"	
	c2	⅜"	6	18	5'-3"	"	
	c4	⅜"	4	12	2'-6"	"	
MH 11 MH 16	b1	⅜"	16	32	1'-9"	AS ABOVE	
	b4	⅜"	13	26	3'-6	STRAIGHT	
	c1	⅜"	2	4	4'-3"	STRAIGHT	
	S11	⅜"	3	9	6'-0"	STRAIGHT	
MH 7	B1	⅜"	12			AS ABOVE	
	S4	⅜"	7			STRAIGHT	
	S5	⅜"	6			"	
	S6	⅜"	4			"	

26227

RAILTRACK 181202/A/E

BRITISH R[illegible]

Diesel Service Station. Immingham.

Manhole Details.

Manhole Nos. 3, 4, 5, 6, 7, 8, 8, 10, 11 16, 22.

FAS MADE

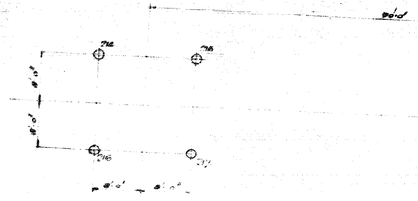
Note:
Revision 'A' 5.8.65. generally amended to comply with clients' alterations.

Drawn:	Traced: F.D. LTD	Scale: 1/2" = 1'-0"
Checked:	Date: 14-6-65	

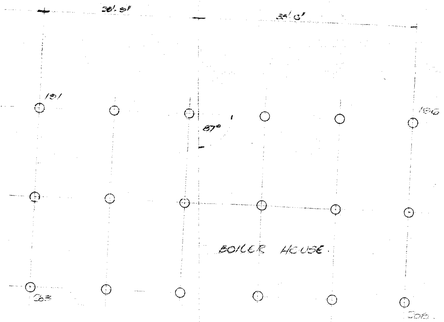
The Manager, Surveyors Dept. Geo. Wimpey & Co. Hammersmith Grove London. W.6.

Drawing No. E.D. 1837/6 A

63. WE. 362



WATER TOWER



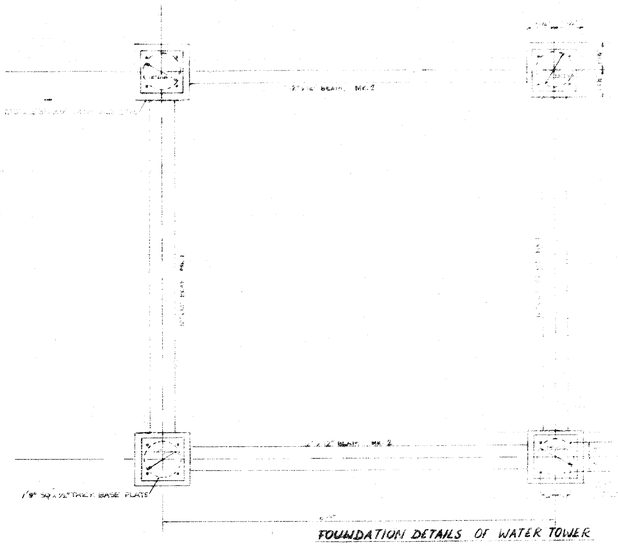
BOILER HOUSE

PILE No	TOP OF CONCRETE ROLLED TO.	PILES TO BE CROPPED TO.
214, 216, 216 & 217	13.83	12.83

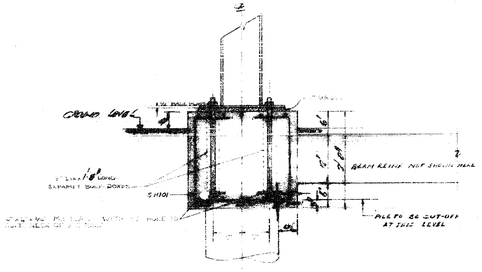
MAXIMUM LOAD ON PILE 80 TONS

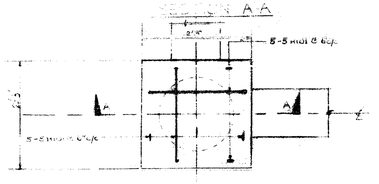
PILE TO BE 18" DIA. WITH A BASE EXPANDED TO 4'6" IN DIA.

MAINTENANCE SHED

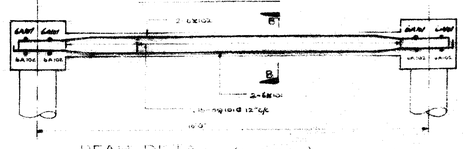


FOUNDATION DETAILS OF WATER TOWER





PILE CAP DETAILS



BEAM DETAILS (4 No THUS)

SECTION B-B

RAILTRACK
1812096N8

1AS 11402

98-WE-8109

26227

1. ALL CONCRETE PILE FOUNDATIONS TO BE SEE DRGS. No. 98 SW 8109.
2. CONC. MIN. 7, 10, 1 3/4 (3/4") - WITH AVG. STRENGTH AT 28 DAYS OF NOT LESS THAN 5 TONS PER SQ. INCH OF NET AREA.
3. SULPHATE RESISTING CEMENT TO BE USED.
4. MIN. REINFORCEMENT TO BE AS PER B.S. 785 : 38
5. MINIMUM COVER TO STEEL TO BE 2" UNLESS CONTACT WITH GROUND.
6. BASE PLATES & ANCHOR BOLTS DETAILS TO BE CONFIRMED BY SMITH HAYES & CO.
7. THIS DRG. TO BE READ IN CONJUNCTION WITH DRG. No. 7768 SELECTED PILE SCHEDULE & DRG. No. 8109 SHOWING PILE LAYOUT.

REV.	DESCRIPTION	BY	CHKD.
C	PILE CAP AND RE-BEAM DETAILS ADDED	GA	
A	STEPPED CAPPING BEAM DETAILS ADDED	GA	

B.R. MAINTENANCE
DIESEL MAINTENANCE DEPOT.
WATER TOWER
FOUNDATION DETAILS

GEORGE WIMPEY & Co. Ltd.

DESIGNED	EC	DATE	8-48
DRAWN	GA	DATE	8-48
CHECKED		DATE	10-48
APPROVED		DATE	

DRAWING No. 98-WE-8109 C

CONTRACT DRG. NO. 158

9106

PLAN OF WASTE OIL INSTALLATION ON OUTFALL DRAIN

SECTION A-A

SECTION B-B

SECTION C-C

SECTION E-E

SECTION F-F

SECTION G-G

SECTION H-H

SECTION J-K

R.C. DETAILS

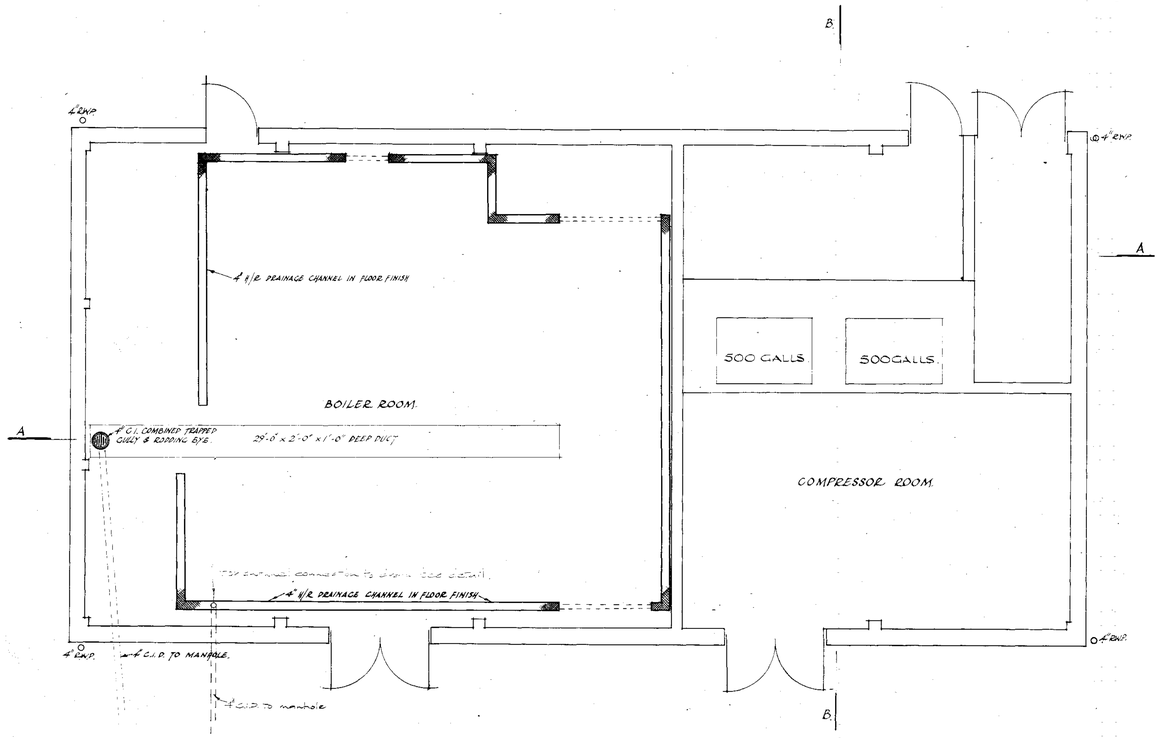
R.R. IMMINGHAM

DIESEL MAINTENANCE DEPOT

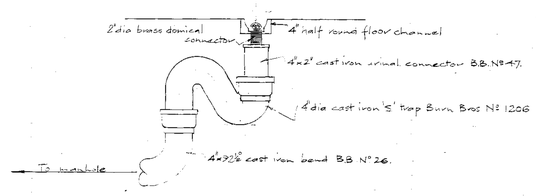
WASTE OIL INSTALLATION

RAILTRACK

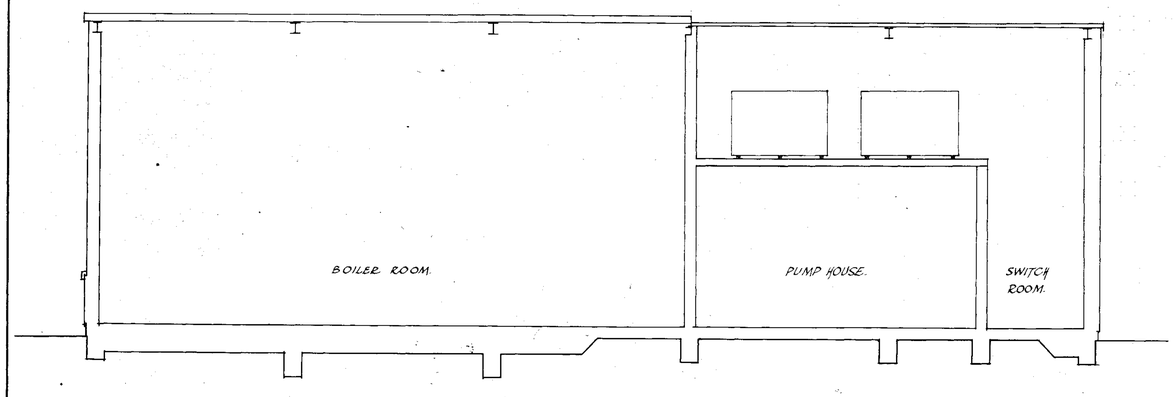
191210NE



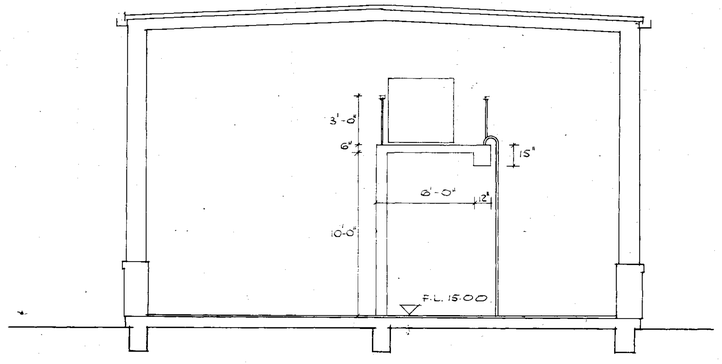
GROUND FLOOR PLAN.



Detail showing channel connection to drain.



SECTION A-A.



SECTION. B-B.

THIS DRAWING TO BE READ IN CONJUNCTION WITH DRWG Nos 2229/6/18.

26227

'AS MADE'

Revisions		
A	Date 17/4/65	Boilerhouse drainage amended channel outlet added.

RAILTRACK 181211LNE

Job BRITISH RAILWAYS DIESEL MAINTENANCE DEPOT IMMINGHAM.

Title

BOILER HOUSE: SHOWING DRAINAGE SERVICES.

DRG. NO. 2229/17 69.WE.392	REV. A
Scale 4 feet to 1 inch.	Drawn by I.D.B.
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.	Date 17/2/65.
	Checked
	Date

TREATED WATER STORAGE TANK 5000 gall.

+35'

RAW WATER STORAGE TANK 1000 gall.

Mains Inlet.

+20'

BULK ACID TANK 2 Ton.

ACID OFF-LOADING POINT.

ACID BUND WALL.

+20'

EFFLUENT DELAY TANK.

+6'

Dilution Water

TO LOCAL AUTHORITY DRAINAGE SYSTEM.

RAW WATER BOOSTER PUMPS. 1-STAND-BY. 250 g.p.h.

DEALKALISATION UNIT

AIR RELEASE TO ATMOS.

SUMP.

P.H. RECORDER

SCRUBBER TOWER.

CO_2 VENT TO ATMOS.

BOOSTER PUMPS 1-STAND-BY. 250 g.p.h.

AIR BLOWERS. 1-STAND-BY.

SCRUBBED WATER SUMP. 500 gall.

Treated water

Mains water + Make-up

Dilute acid.

Dilute Caustic Soda.

A.S.

CAUSTIC SODA TRANSFER PUMP.

INJECTION PUMP MANUAL STROKE CONTROL.

DOSING PUMP.

BOOSTER PUMPS. 1-STAND-BY.

EFFLUENT ACCUMULATOR TANK.

ACID DILUTION TANK.

CAUSTIC SODA PREP. TANK.

CAUSTIC SODA STORAGE TANK.

Key.

P.H.M.	pH METER.
P.I.	PRESSURE INDICATOR.
F.I.	FLOW INDICATOR.
L.S.	LEVEL SWITCH.

BASED ON B.R. DRWG. 6/817-14.

Revisions

Date

RAILTRACK
181212LNE

Job BRITISH RAIL. IMMINGHAM.

Title DIAGRAMATIC ARRANGEMENT OF WATER TREATMENT PLANT.

DRG. NO. 2229/19. 68.WE.334 REV.

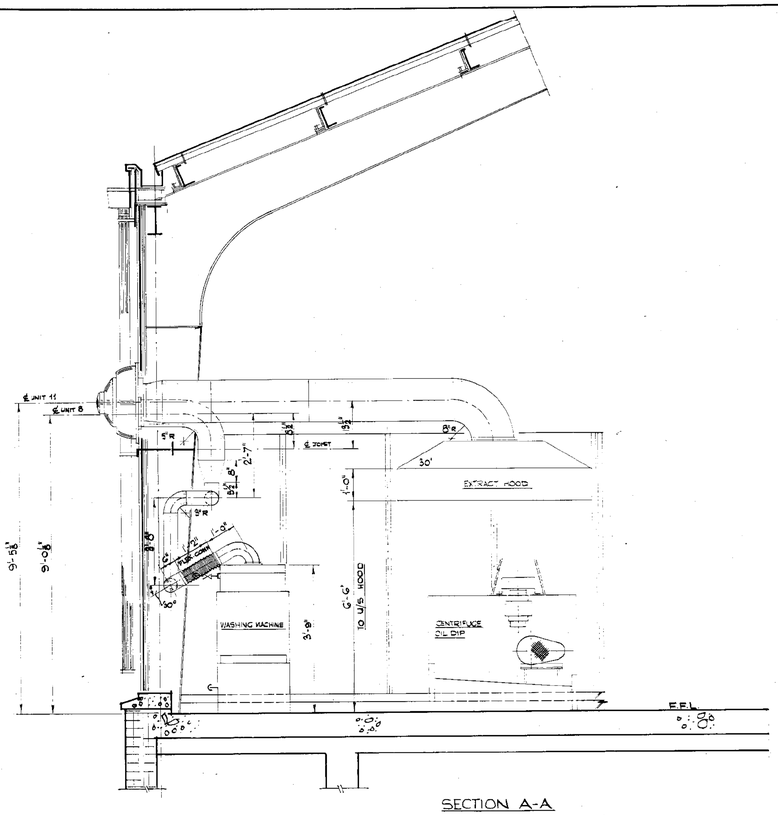
Scale N.T.S. Drawn by P.R.M.

George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6. Date March 2.'68 Checked Date March 2

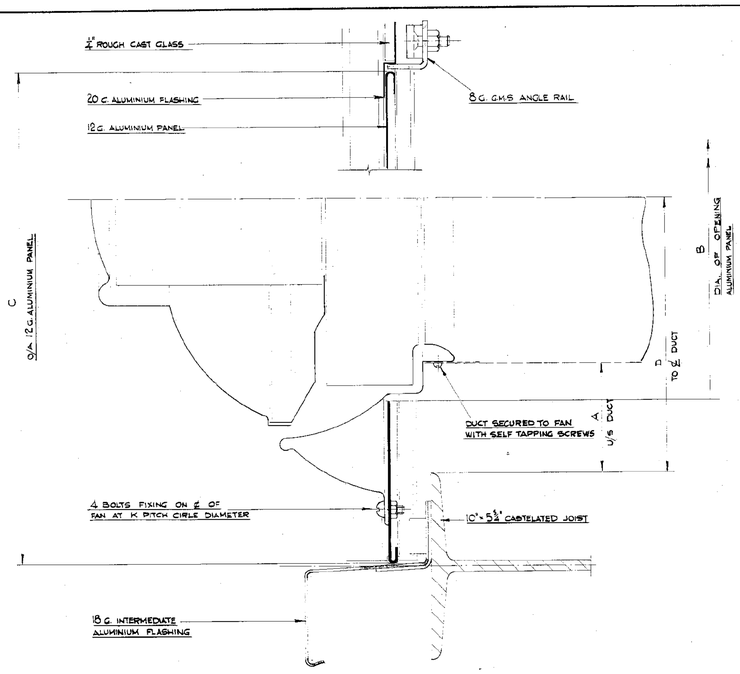
26227

'AS MADE'

ADMEL 5746



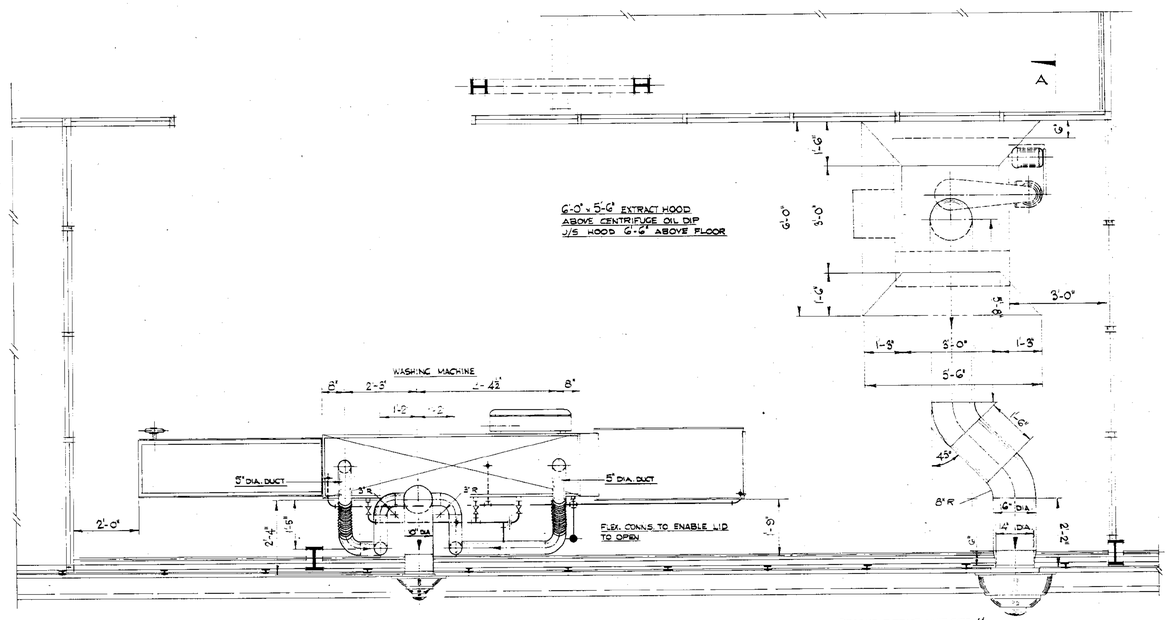
SECTION A-A



SECTION ON ℄ FANS SHOWING OPENING AND FIXING

2 FULL SIZE

UNIT SIZE	A	B	C	D	K
8	3½"	12" DIA.	23"	8½"	19"
11	6½"	17 DIA.	33	13½"	29"



PLAN

26227

'AS MADE'

Revisions

Date

RAILTRACK
181213LNE

Job BRITISH RAILWAYS BOARD
EASTERN REGION

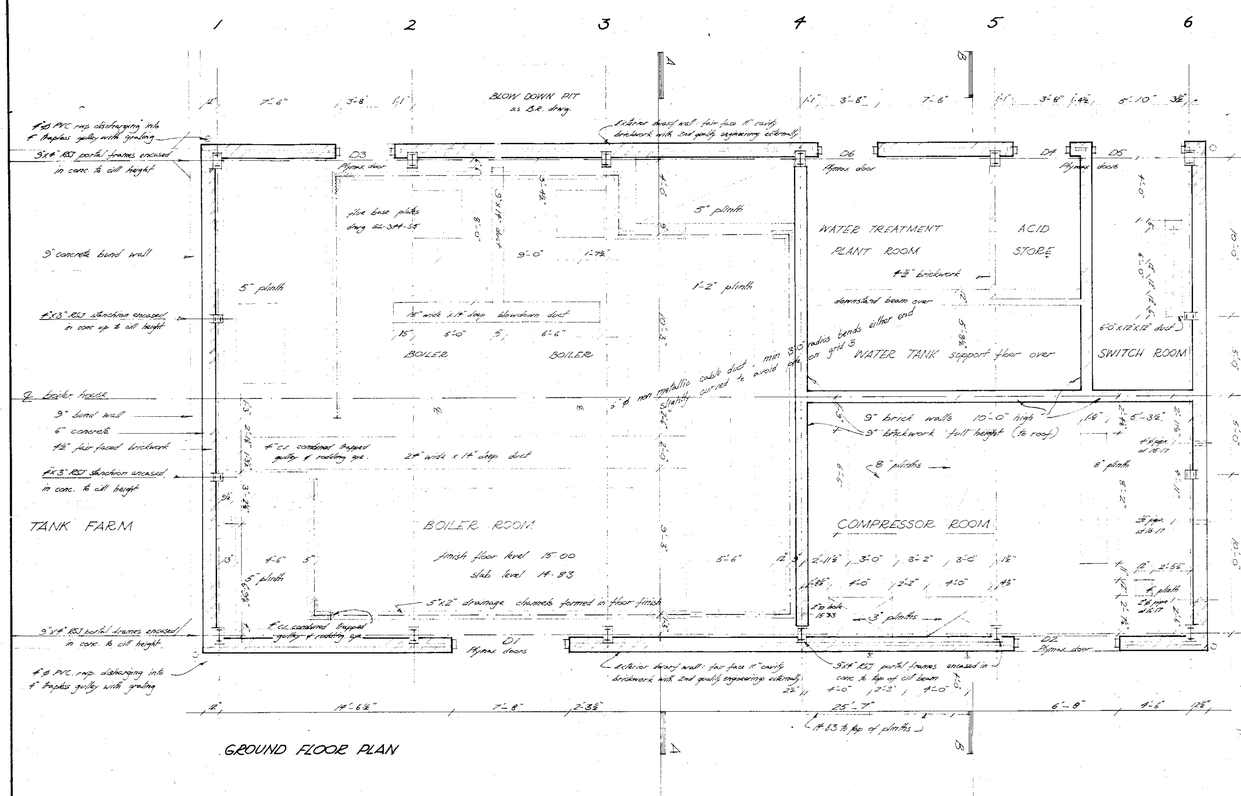
Title

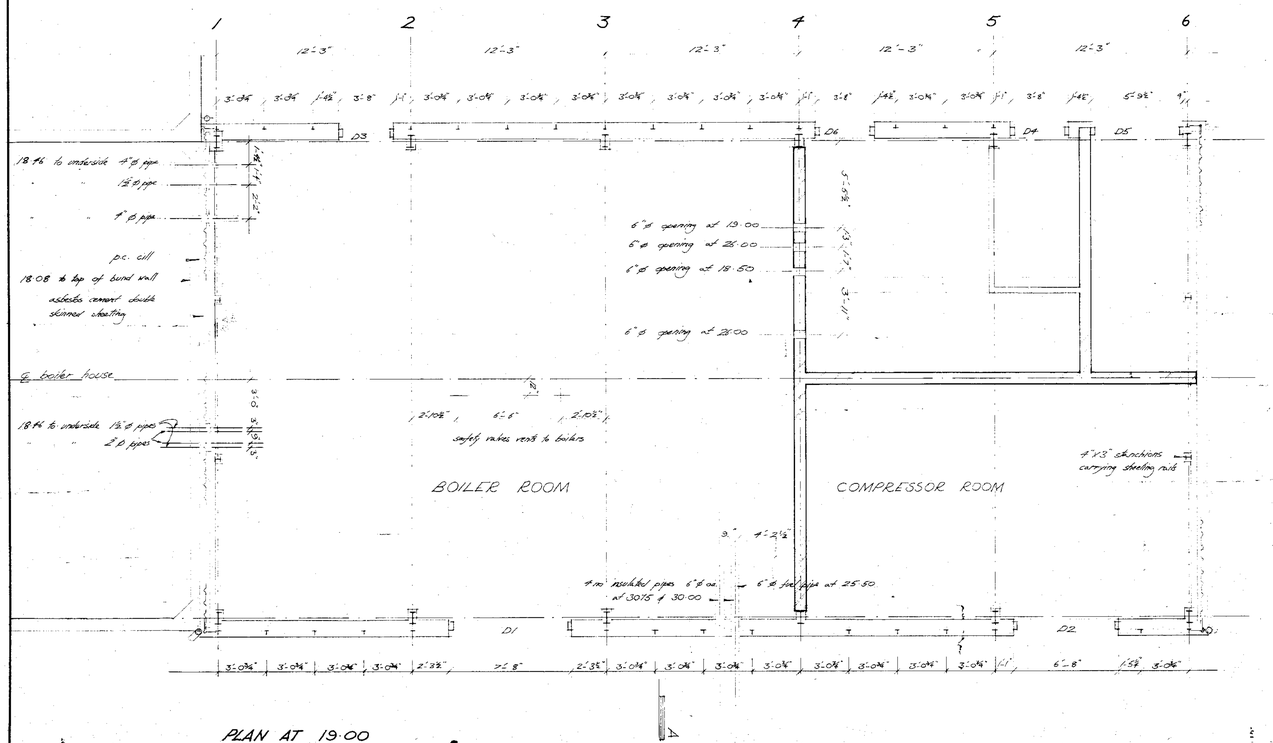
IMMINGHAM - FUME EXTRACT IN FILTER WASHING AREA

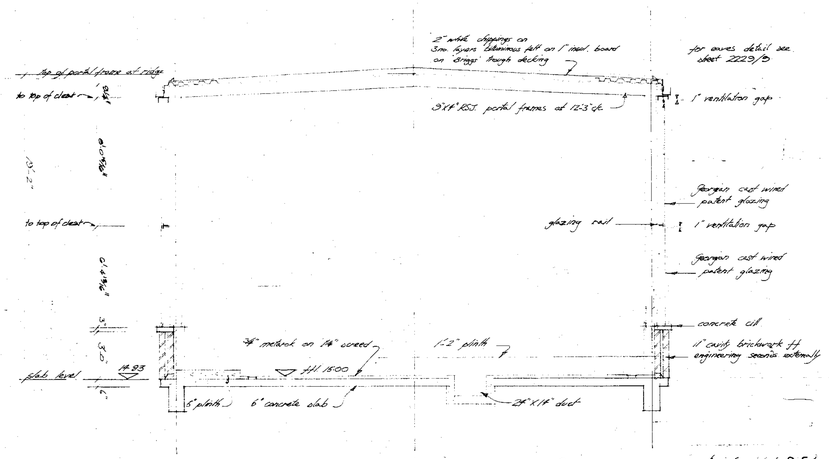
DRG. No. 2229/20 69 WE 335	REV.
Scale ½" = 1'-0"	Drawn by [redacted]
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.	Date 28.3.66
	Checked [redacted]
	Date [illegible] 28.8.66

ADMEL 4132

B.R. CONTRACT no. 47







'AS MADE'

FURTHER REVISIONS

6 5.10.65 Bund wall commented on 1957 plan.

FOR CONSTRUCTION

Notes

for further details of deck & details of foundations, Sections B-B SEE BRITISH RAIL DRAWINGS. DETAILED CROSS SECTION ON 2223/6

Revisions

	Date	
A	17.3.65	general amendments and brickwork in concrete replaced by brickwork and fair face with second quality engineering bricks externally
B	5.5.65	general amendments...
C	15.6.65	doors on north end, three from N. of switchroom & without two of brickwork extended 21' altered to 17'-0" clear opening
D	21.9.65	Platform, trimmers, window mullions, opening out, adding 24" increasing structural opening down, after roof slope & Plan at 19'-00. Longitudinal section omitted
E	19.10.65	6" to 4" dimension on walls of boiler house altered
F	14.11.65	Levels in Compressor Room removed. R.C. Cills altered. Opening out dimensions amended.

Job: BRITISH RAIL DIESEL MAINTENANCE DEPOT **IMMINGHAM**

Title: REVISED PLANS & SECTION BOILER HOUSE

DRG. NO: 2229/2 69-WE-BR | REV. G.

Scale: ¼" & 1'-0" | Drawn by M.

George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6. | Date 22.1.65 | Checked | Date

BRITISH RAIL

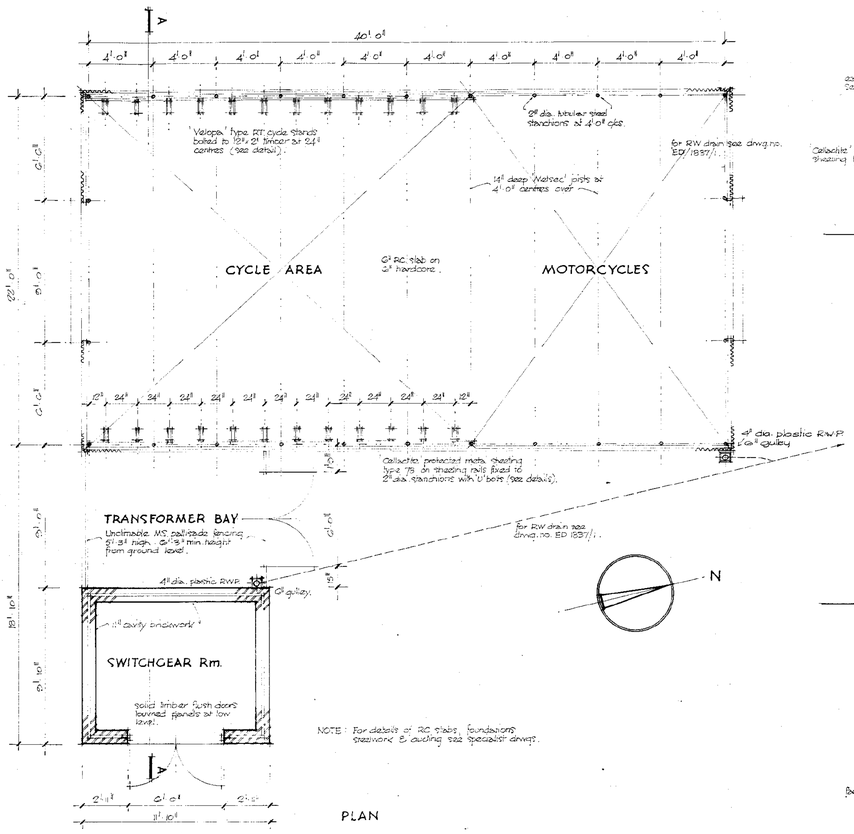
& boiler house. 26227

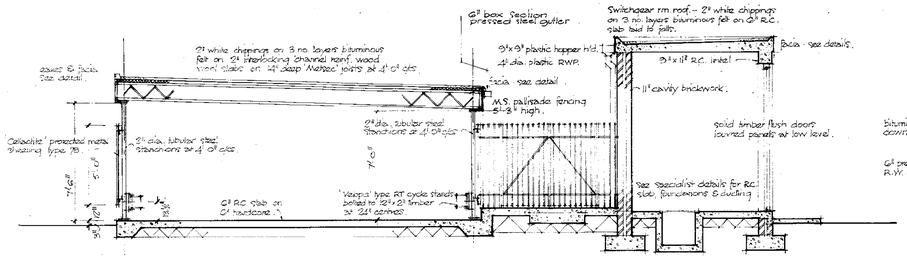
RAILTRACK 181217LNE

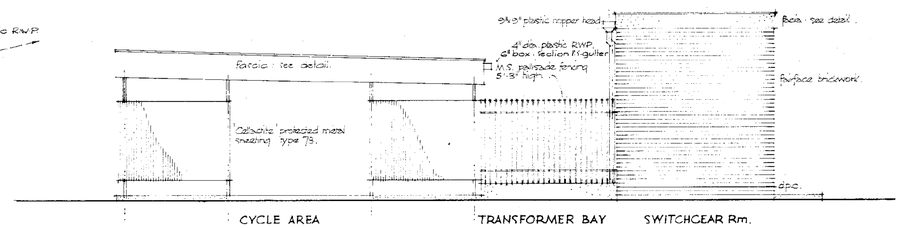
ADHEL 5006

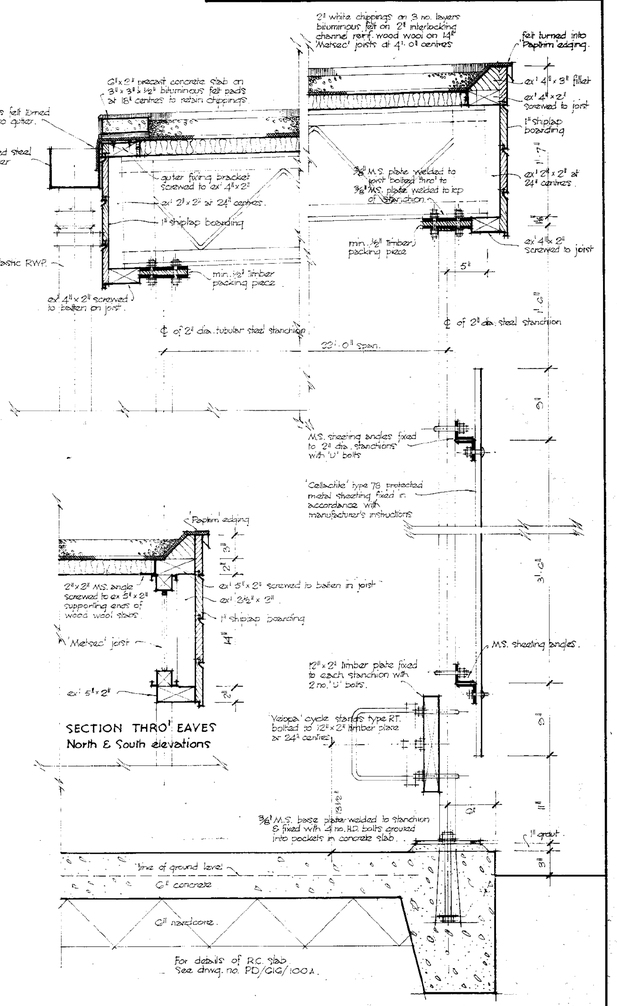
133.

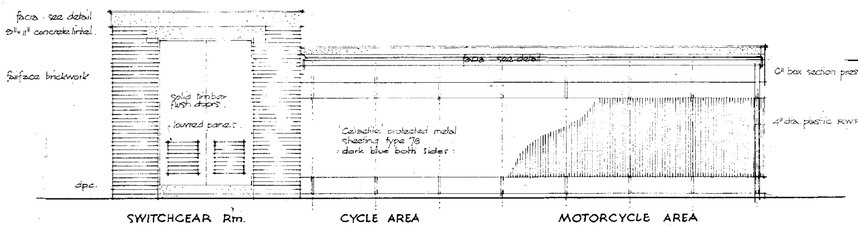
B. R. CONTRACT No. 50.

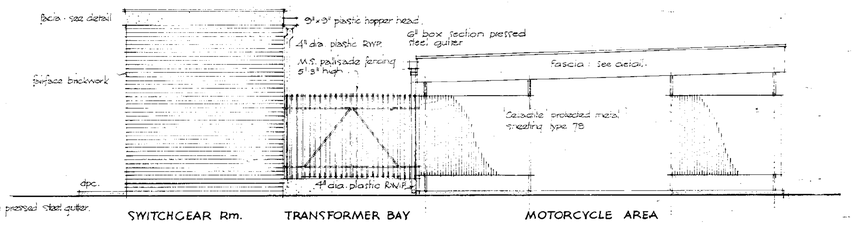


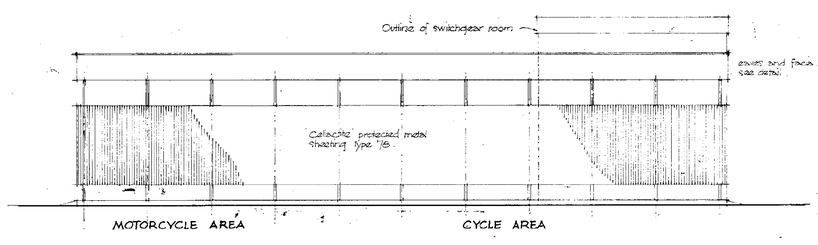


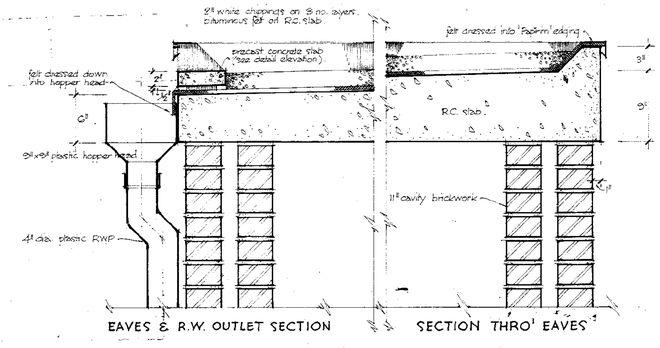


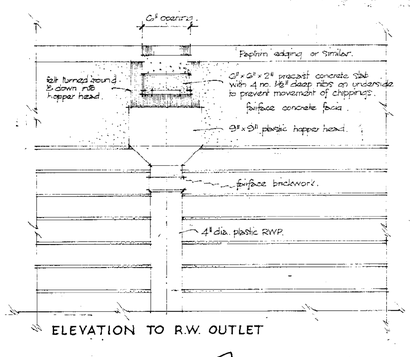












SWITCHGEAR ROOM DETAILS 1 1/2" to 1'-0"

26227

'AS MADE'

FOR CONSTRUCTION

Revisions

	Date	
A.	24.4.65	General amendments to drawing.
B.	6.7.66	Foundation H.D. bolts amended.

RAILTRACK 191220LNE

Job BRITISH RAILWAYS DIESEL SERVICE STATION · IMMINGHAM.

Title SUBSTATION, CYCLE & MOTORCYCLE SHED

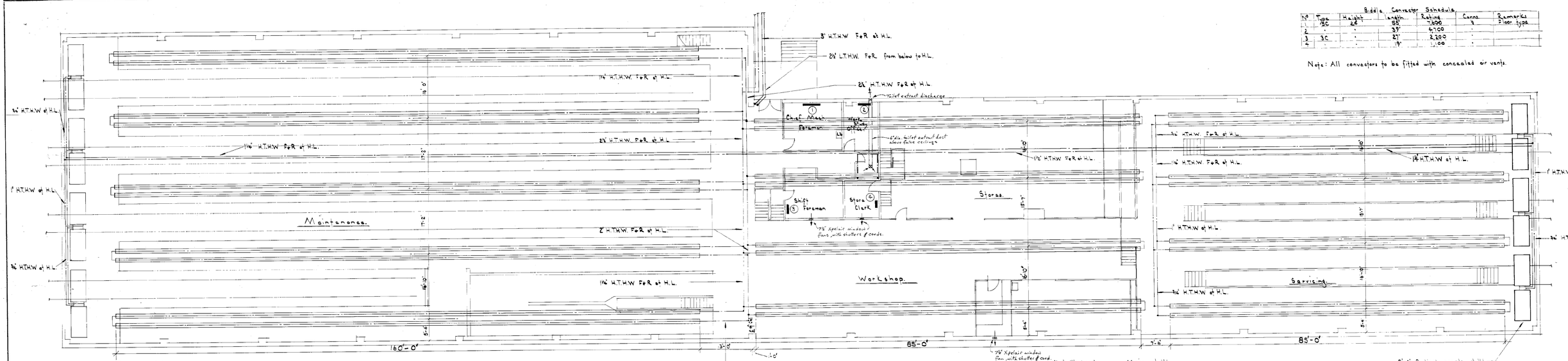
Frodingham cycle shed details & method of retaining chippings see this drawing.

DRG. NO. 2229/5 69·WE·320	REV. B
Scale four feet to one inch.	Drawn by
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.	Date 22·3·65
	Checked
	Date

ADMEL 5006

40 x 27

153



Biddle Convector Schedule

No	Type	Height	Length	Rating	Conns	Remarks
1	22	22"	88"	7,500	½	2 floor type
2	"	"	39"	4,700	"	
3	30	"	27"	2,200	"	
4	"	"	9"	1,100	"	

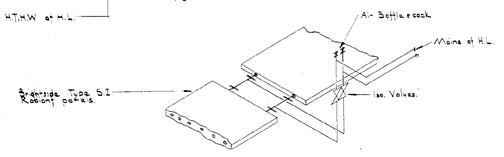
Note: All convectors to be fitted with concealed air vents.

Pipe coil Schedule.

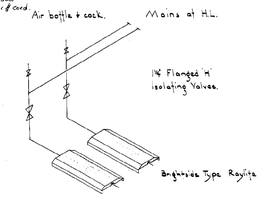
No	Length	Bore	Conns.
C1	300ft	1¼	1"
C2	"	"	"
C3	"	"	"
C4	"	"	"
C5	170ft	"	"
C6	185ft	2"	1½"
C7	315ft	2½"	1½"

Note: All pipe coils connections to be made using eccentric reducers to facilitate venting/draining, and air vent and drain cock to be fitted adjacent.

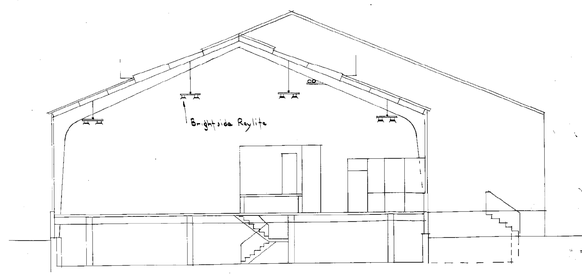
Mounting height for Roylite in Maintenance Shed.
A Outside platforms 15'-0" high.
B Centre platforms 18'-0" high.



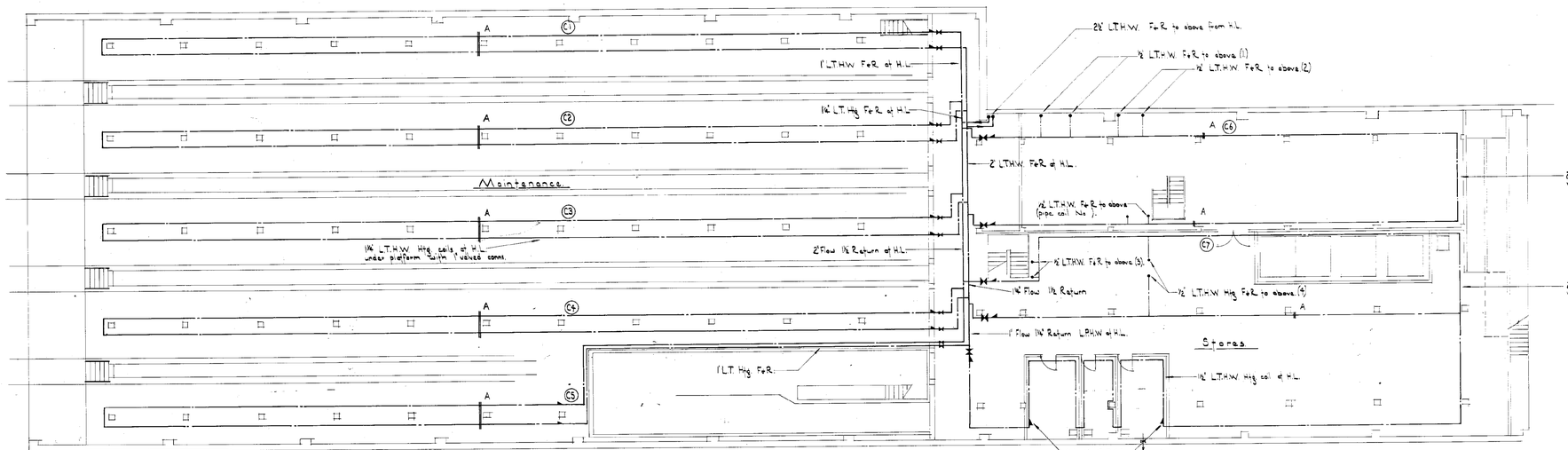
Typical detail of Conns to Radiant H.T.H.W. panels



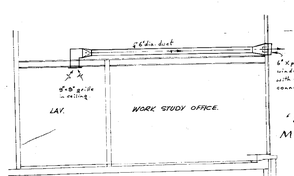
Typical Detail of Connections to Roylite H.T.H.W. Heaters



Section A-A



DETAIL OF TOILET EXTRACT SYSTEM.
½" to 1 Ft.



'AS MADE'

RAILTRACK
181220JUNE

Revisions

	Date	
A		Modify Window fans & toilet extract system added.
B	May 95	F.W.P.H.W. F&R Radiant panel revised 1¼" ø. Radiant panels & roylite at Mains Brightsides SI." centres of Radiant panels amended to B.R. requirements
C		

26227

Job: British Railway Immingham

Title: H.T.H.W./L.T.H.W. Heating to Maintenance & Service Building

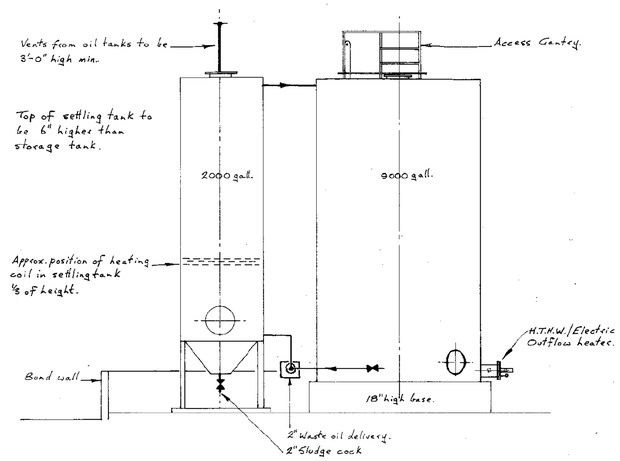
DRG No 2229/11 69 IWE 326 — REV C

Scale 1/8" = 1'-0" — Drawn by

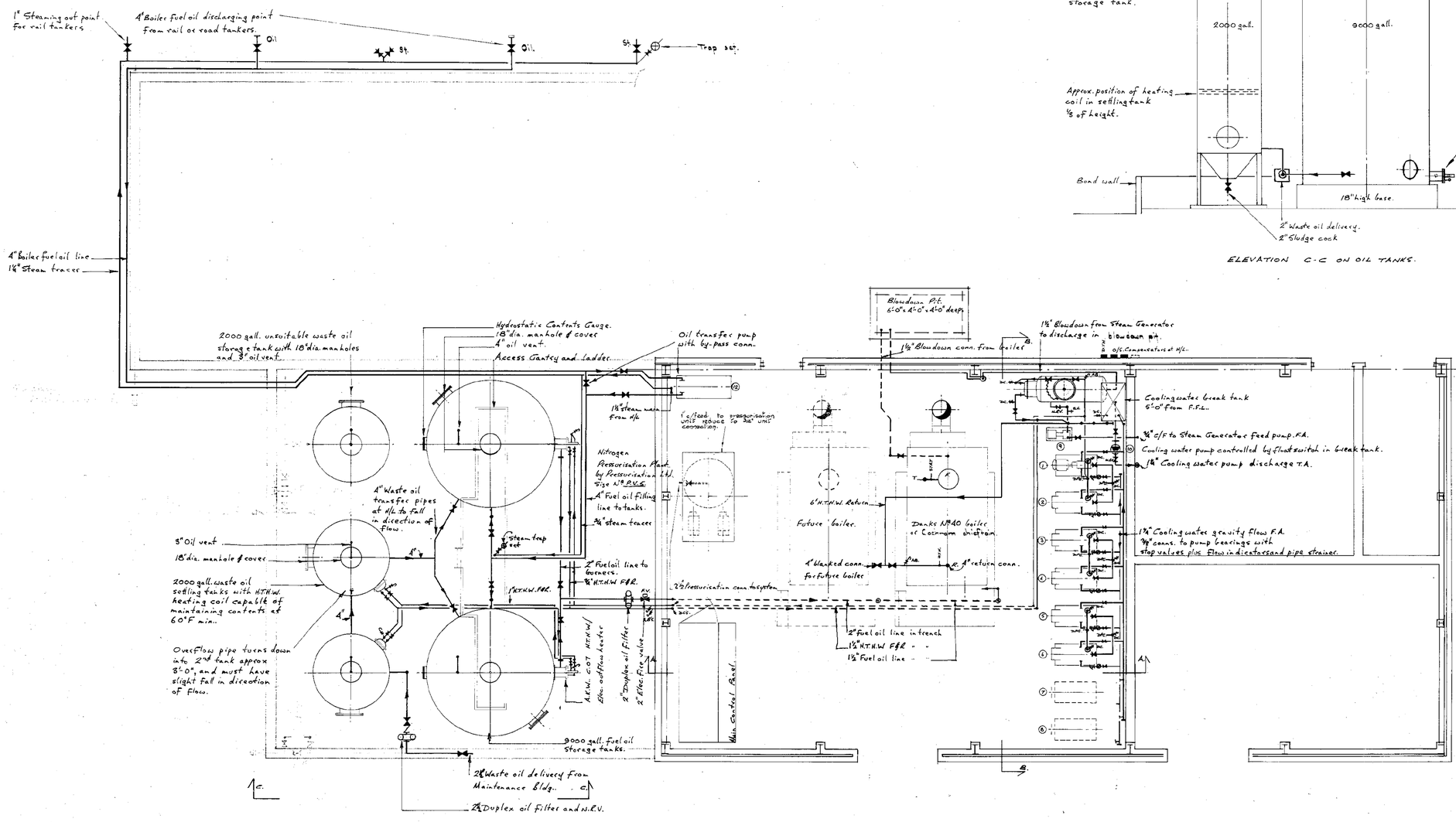
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6. — Date 16-2-95 — Checked — Date Feb. 95

155

ADMOS. 5747



ELEVATION C-C ON OIL TANKS.



SCHEDULE OF PUMPS.

No.	SERVING.	MEDIUM.	DUTY.				MANUFACTURER.	TYPE REF.	APPROX. H.P.	CONNS..
1	H.T.H.W. Primaries	H.T.H.W.	18	g.p.m.	4	'ug.	HOLDEN & BROOKE	JKN/D 1½"b.	0·5	2"x1½" Flanged.
2	—do.—	—do.—	"	"	"	"	—do.—	—do.—	0·6	—do.—
3	H.T.H.W. Htg.	H.T.H.W.	60	"	25	"	—do.—	2"b	0·75	—do.—
4	—do.—	—do.—	"	"	"	"	—do.—	—do.—	0·75	—do.—
5	L.T.H.W. Htg.	H.T.H.W.	30	"	8	"	—do.—	1½"b	0·5	—do.—
6	—do.—	—do.—	"	"	"	"	—do.—	—do.—	0·5	—do.—
7	Future	H.T.H.W.	Not	Known			—do.—	—	—	—
8	—do.—	—do.—	—do.—				—do.—	—	—	—
9	Steam Gen.	Cold water	25	g.p.h.	25	p.s.i.	—do.—	Gyro. 1"b	0·75	1" Screwed.
10	Cooling water	—do.—	12	g.p.m.	6	'ug.	—do.—	Stiffo 1"c	180 watts.	1½" Screwed.
11	Pressure Unit	—do.—	20	"	140	p.s.i.				
12	Fuel Oil Storage	2000 sec. oil	4000	g.ph.	26	'ug.	Hamworthy.	400 L.S.	5·0	5"x4" Flanged.
13										
14.										

NOTES.

1. For accurate location of plinths and trenches see Architects drwg..
2. For high level plan of sections see Services drwg. No. 2229/13.
3. All pump gland drains to be discharged into perimeter drainage channel.
4. All air vent and safety valve discharges are to be piped to an adjacent floor drainage channel.
5. Boiler House ventilation requirement 8 sq. ft. free area minimum.

REFERENCE.

—T	Stem thermometers.
—DC.	Drain cocks.
—AB.	Air bottles.
—DTH	Distant reading thermometers.
—DPG	Distant reading pressure gauges.
—SV	Safety valves.
—NRV	Non-return valves.
—O—	Flow indicators.
—ST—	Pipeline strainers.
—ETHT	Pipeline immersion thermostats.
——→	Direction of flow.

Revisions

	Date	
B	11.5.66	H.P.H.W. Pump sizes increased. No. 3 & 4.
A	22.12.65	Q.T. Tank was 14'0" now 9'0" between boilers. Evaporisation Unit reduced to 2 No. Cooling tank was 10'0", altered to 6'0".

RAILTRACK 181227LINE

Job: BRITISH RAILWAYS. IMMINGHAM.

Title: LOW LEVEL PLAN OF BOILER HOUSE AND PLAN OF OIL STORAGE AREA.

26227

DRG. No. 2229/12 69.WE/327 REV. A

'AS MADE'

Scale

Drawn by [redacted]

George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.

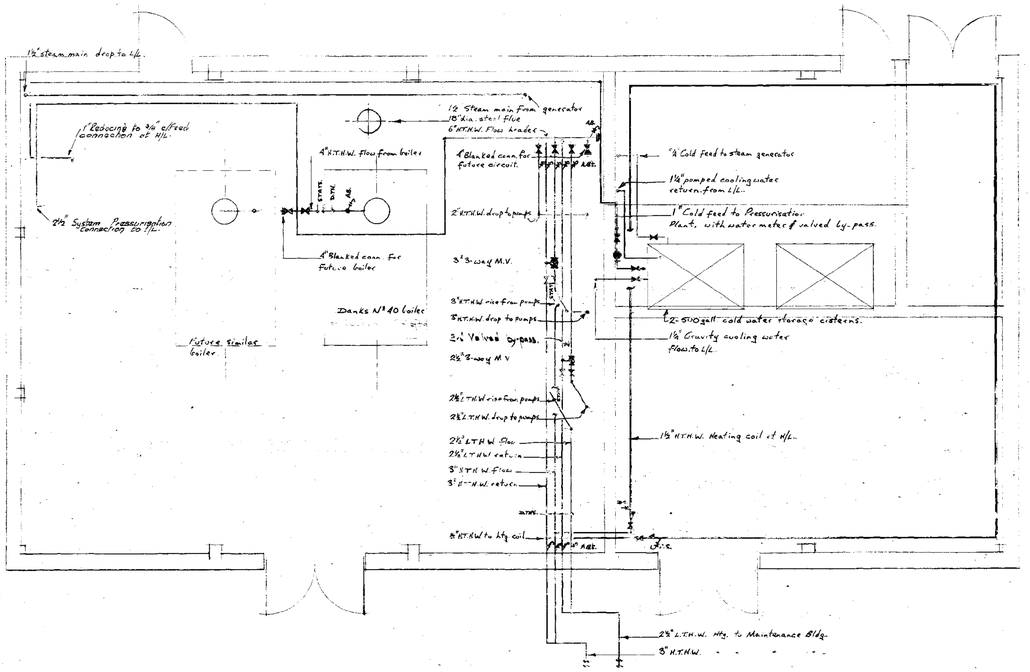
Date Feb. 1966

Checked [redacted]

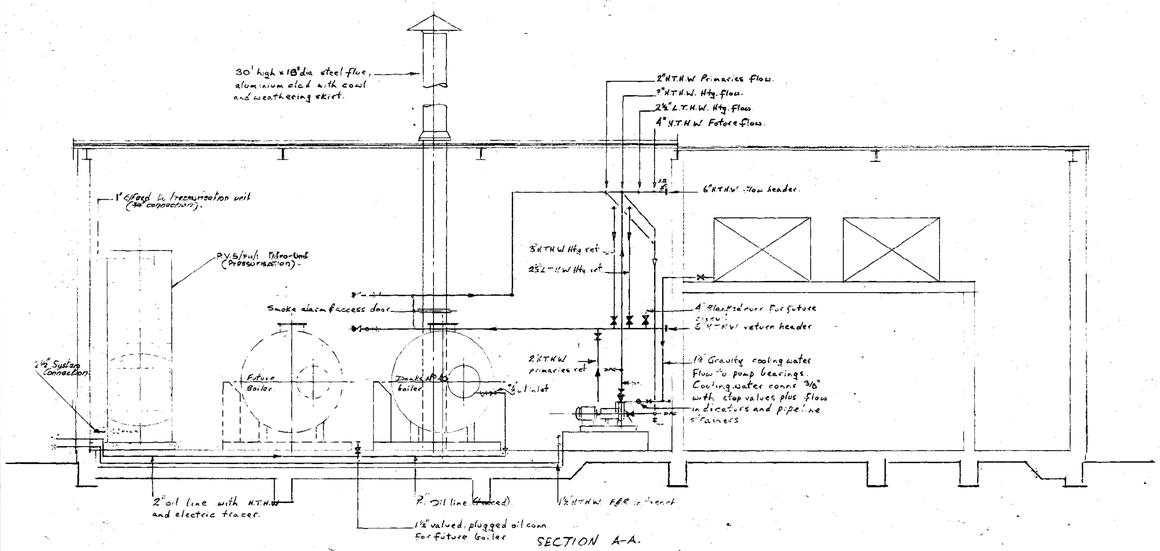
Date Feb. 1966

ADMEL 5056

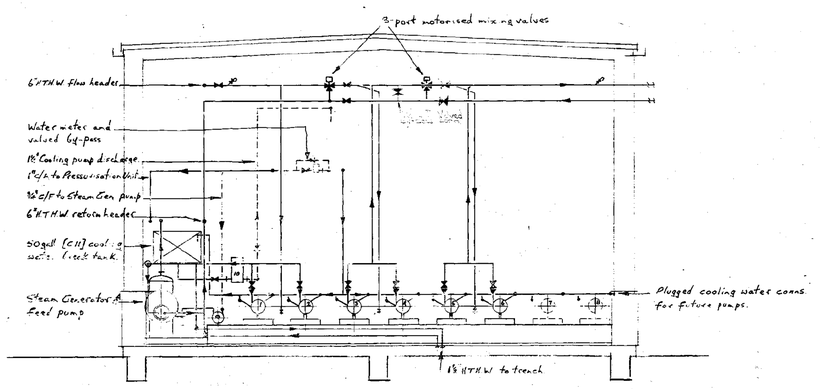
133



HIGH LEVEL PLAN.



SECTION A-A.



SECTION. B-B

For Low Level Plan and details of Oil Storage Area see Services Drwg No 2229/12

Revisions	
Date	
16.12.64	Oil line to 3 new Lancashire boilers. Pressurisation Unit Relocated. Pipe Duct line added

Job BRITISH RAILWAYS - DIESEL MAINTENANCE DEPOT IMMINGHAM

Title

BOILER HOUSE. HIGH LEVEL PLAN AND SECTIONS.

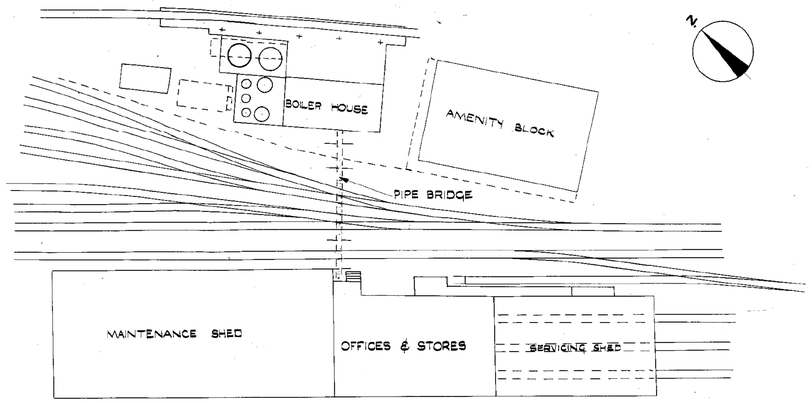
DRG. NO. 2229/13 69-NE-328	REV. A
Scale 4 feet to 1 inch.	Drawn by [redacted]
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.	Date 18-2-1965
	Checked [redacted]
	Date Feb. 18 '65

26227

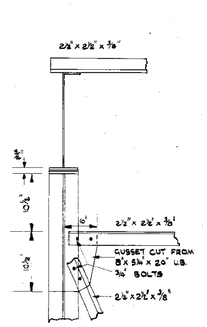
'AS MADE'

RAILTRACK
181228LINE

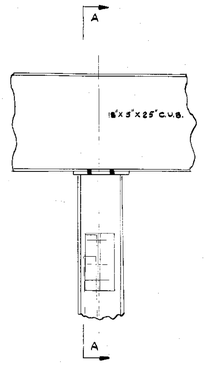
ADMIRL 3006



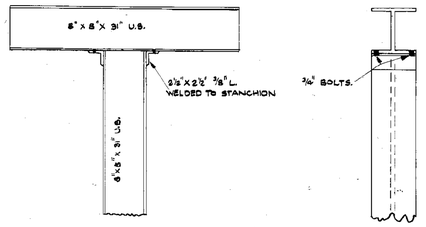
SITE PLAN 1:500



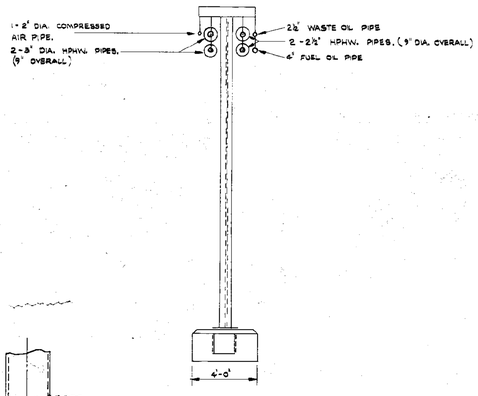
A-A



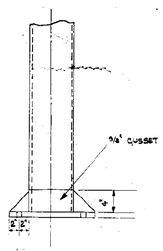
DETAIL OF TOP OF STANCHIONS B & C
(1")

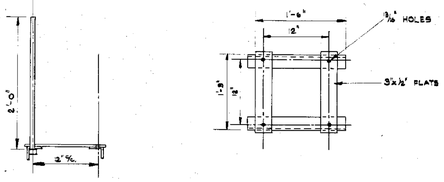


DETAIL OF TOP OF STANCHIONS A & D
(1")

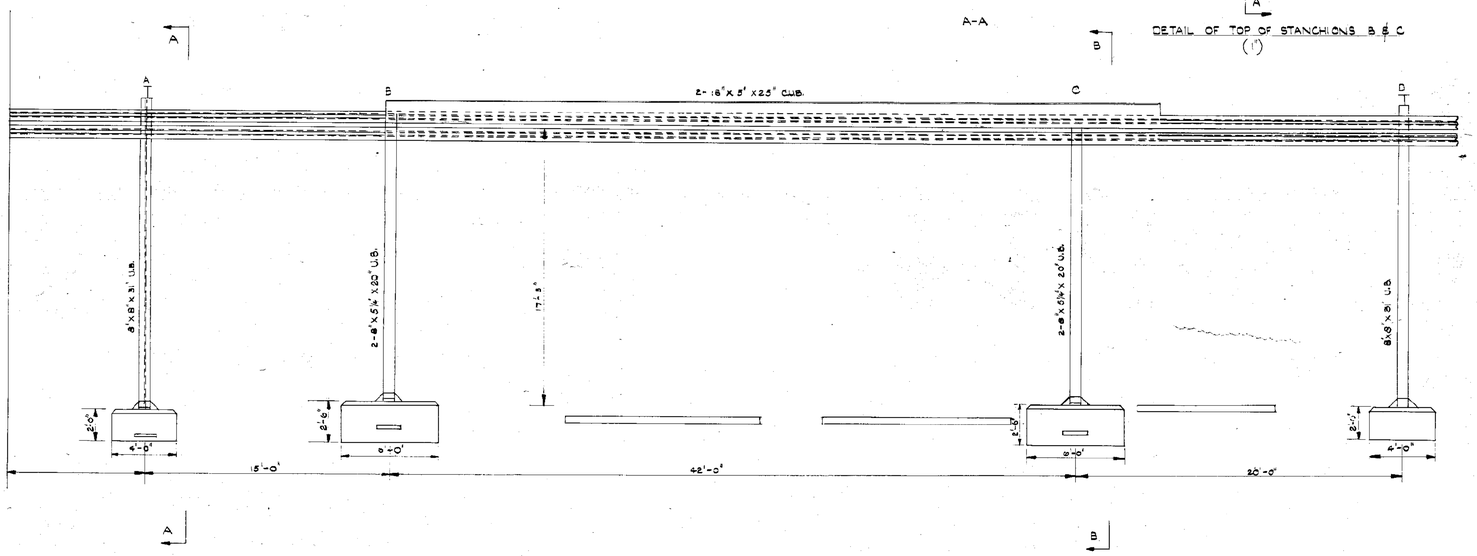


SECTION A-A
(1/4)

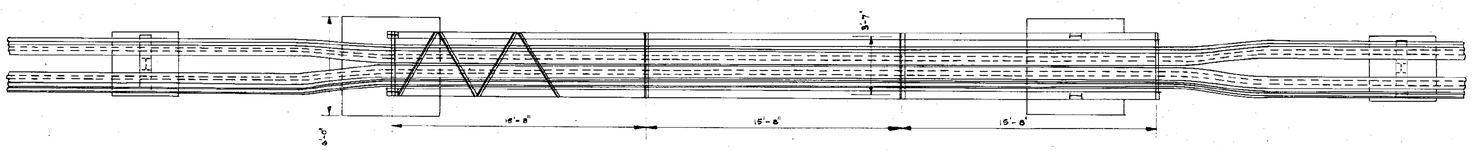




DETAIL OF ¾" FOUNDATION BOLTS (24 No. OFF) WITH POSITIONING PLATES AND ANGLES.
(1")



SECTION B-B
(1 1/4)



26227

'AS MADE'

Revisions	
Date	

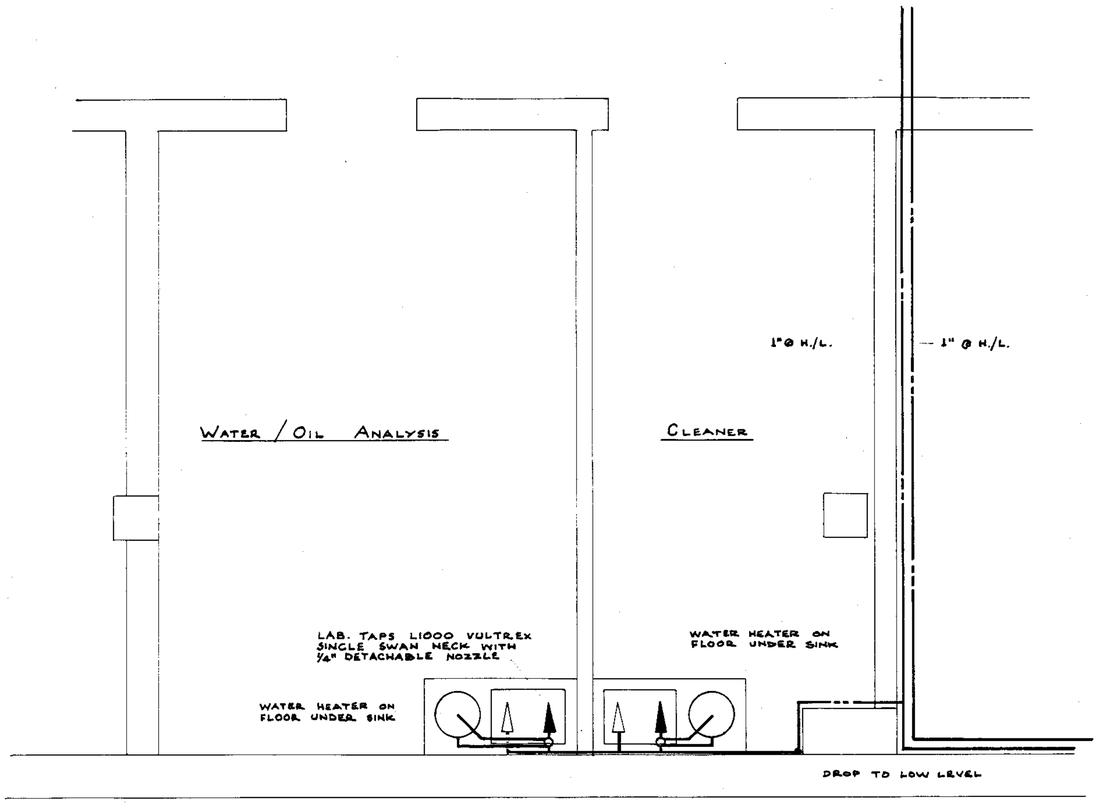
Job: BRITISH RAILWAYS: IMMINGHAM.

Title: PIPE BRIDGE. & SITE PLAN

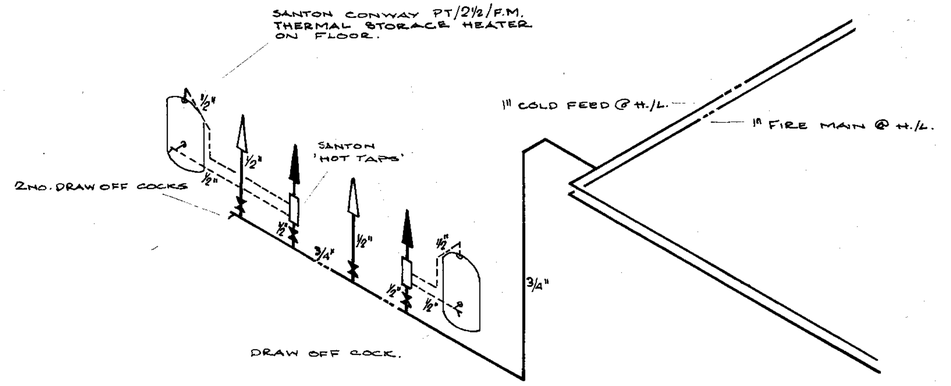
DRG. NO. 2229/14 69·WE·329	REV.
Scale: AS SHOWN	Drawn by P.M.
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.	Date 16-2-1965
	Checked [redacted]
	Date Feb. 16.

RAILTRACK
181229/NE

133



PLAN ON LOWER FLOOR



ISOMETRIC DIAGRAM OF WATER SUPPLY.

COLD WATER SUPPLY ————————

HOT WATER SUPPLY - - - - - - - - - - - -

Note: THIS DRWG. TO BE READ IN CONJUNCTION WITH DRWG. No. 2229/16

26227

'AS MADE'

Revisions

Date

RAILTRACK
181232LNE

Job
BRITISH RAILWAYS ~ IMMINGHAM

Title
REVISION OF WATER SERVICES IN CLEANER & WATER/OIL ANALYSIS ROOM ON LOWER FLOOR

DRG. No. 2229/26
69·WE·342

REV.

Scale ½" to 1'-0"

Drawn by N.A.H.

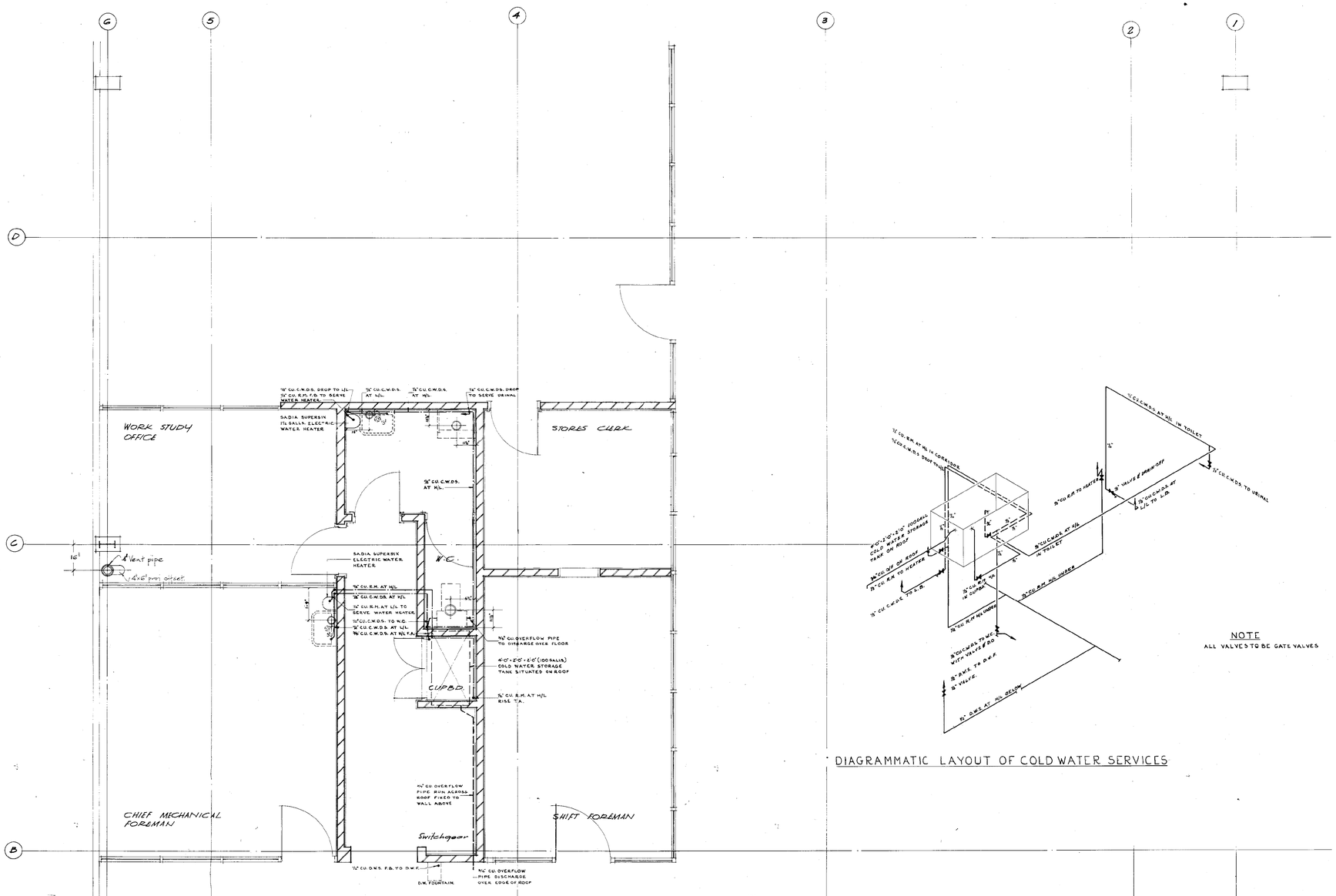
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.

Date 17·5·66

Checked S.F.T.

Date 11·5·66

ADMEL 6554



DIAGRAMMATIC LAYOUT OF COLD WATER SERVICES

NOTE
ALL VALVES TO BE GATE VALVES

FOR SANITARY FITTINGS SCHEDULE SEE DRG. Nº 2229/22
FOR ARCHITECTURAL SECTIONS SEE DRG. Nº 2229/37

26227

'AS MADE'

RAILTRACK
181234LNE

Revisions	
Date	
A 27-FEB	COLD WATER SERVICES ADDED

Job BRITISH RAIL DIESEL SERVICE STATION - WARRINGTON

Title
PLUMBING DETAILS AT 19'-57' LEVEL. SHEET 1.

Drg Nº 2229/20 Rev A
Scale 1/2" to 1'-0" 65-WE-1336
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.
Drawn JT Date 2nd Feb 67
Checked Date

133

A3MEL 1249

4" dia. drain from gully adjacent grids F.5. See drawing No. 2229/24

4" dia. drain from gully adjacent grids F.3. See drawing No. 2229/24

4" dia. 'P' trap gully B.S. No 98 with raising piece No. 102.

6'-6"

8'-3"

10'-1"

M.H. No. 5
Invert 7.97

4" dia. drain at M.H. from first floor filter cleaning area. See drawing No. 2229/23.

drop from h/l. to 12" below floor level.

access pipe at floor level.

92½° bends B.S. No 26

4"x135° B.S. No 26

channel junction similar to Messrs. Broads No. M100R

M.H. No. 4
Invert 7.47

to be blanked off at floor level. (as Revision 'F')

4" dia. 'P' trap gully B.S. No 98. with raising piece No. 102.

2'-0"

5'-6"

4"x157½° Bends B.S. No. 26
4"x112½° " "
4" Inspection chamber B.S. No. 742.

4"x135° B.S. No 26

M.H. No 1.
Invert 8.90

4" Inspection chamber B.S. No 741

4"x92½° Bend B.S. No 26

4"x157½° Bend B.S. No 26

4" dia. 'P' trap gully B.S. No 1200. with 4" dia. raising piece No. 102-B

4"x92½° B.S. No 26.

4"x92½° B.S. No 25.

for connection of 2" waste to stack see above

4" 'S' Trap B.S. No. 1200.

4" Socket at Fl'd.

4" C.I.D. at 11'6.

30"x20"x3" Deep Lead-lined sink with grid waste.

4"x135° B.S. No 26

4"x135° B.S. No 25.

4" 'P' Trap B.S. No. 1200.

4" Socket at Fl'd.

Sink

2" Cu. waste pipe at 4'6

Sink

Cleaning eye

4" Inspection chamber B.S. No 781

M.H. No 2
Invert 9.45

4'-3"

3'-6"

4" dia 'P' trap gulley B.S. No 98. with raising piece No 102.

4"x92½° Bends B.S. No 26

4"x135° B.S. No 26

4"x92½° B.S. No 26

4"x92½° B.S. No 26 F

4"x4"x90° B.S. No 23

4"x2"x90° B.S. No 23

4"x4"x100° B.S. No 268.

4"x92½° B.S. No 268.

4"x92½° B.S. No 26 F

½" Rising main to a.

½" Rising main to a.

2"x92½° B.S. No 26 F

3'-7"

9'-10"

4'-6"

7'-0"

6'-4"

8'-3"

4'-3"

1'-6"

2'-6½"

3'-3"

1'-7"

8'-0"

½" Rising main to a.

3" 'P' Trap B.S. No. 1200.

4"x135° Branch B.S. No. 268.

To supply from cold mains under contract for this work only. See drawing No. 2229/16

'AS MADE'

26227

Diagrammatic sketch of connection of 2" Cu. waste into 4" cast. stack.

4"x92½° B.S.No 26
4"x135° B.S.No 26
4" Vertical stack
4"x92½° B.S.No 26
4"x92½° B.S.No 26
4" Inspection chamber B.S. No 741
4" Gulley B.S. No 1200 with inlet No 98.
4" Socket at Fl'd.
4" C.I.D. at Fl'd.
2" Cu. waste pipe at Fl'd.
4" Soil drain

NOTES

All drain pipes to be of cast iron to B.S. 437, jointed by means of molten lead well caulked onto a gaskin base.
All drain fittings to be to B.S. 1130 jointed as described.
All drain pipes below basement slab to be encased in 6" of concrete.
All manholes to be of concrete, 6" thick.
All pipes suspended from ceiling to be supported by purpose made hangers.
All waste pipes to be of copper tube to B.S. 659 except where noted otherwise.
All fittings for copper wastes to be to B.S. 864.
All catalogue numbers quoted are from 'Burns Bros. catalogue.
All pipework to be 'adequately supported.

Reference Drawings
2229/22 1" Drainage Details of Suspended drains to toilets.
2229/23 ½" Drainage Details of filter cleaning area.
2229/24 ¼" Drainage plan grids A to H, 1 to 6.

Revisions		
Date		
F		Inspection chamber removed from M.H. no. 4 and stoneware Junction channel added and drains revised.
C	29/9/65	M.H. Nos 1 & 3 & Pipework omitted.
B	29/9/65	Completely Redrawn, Drainage Revised.

Job: British Railways – Immingham.

Title: Detail plan at 11·07 level showing suspended & underground drainage

Drg No. 2229/21 69-WE-337 Rev F

Scale ½" to 1 foot — Drawn by

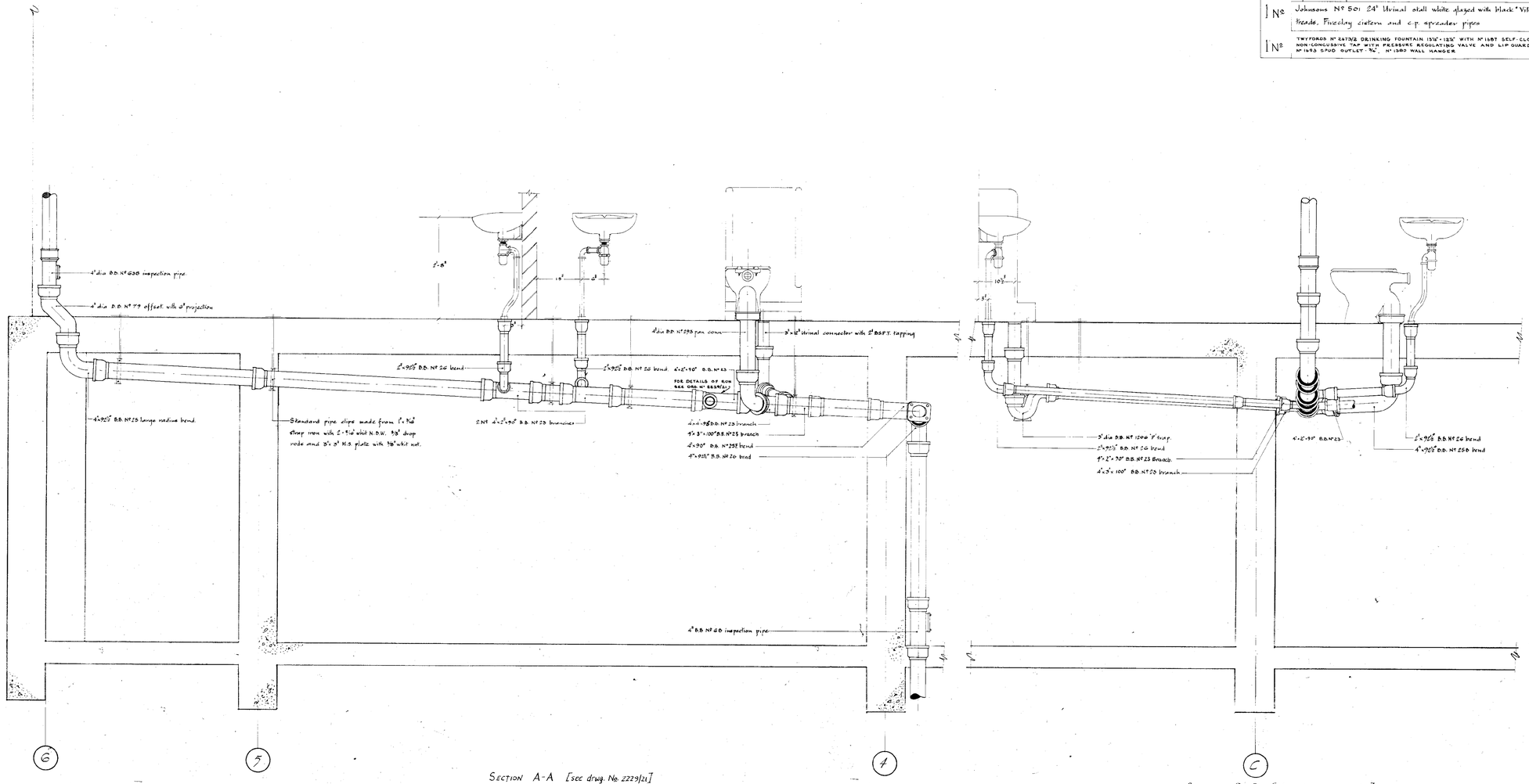
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6. — Date 29/9/65 — Checked — Date 11/10/65

RAILTRACK 181336LINE

133

ADMIEL 6555

Schedule of Sanitary Fittings in Toilet Area.	
1 No	Twyfords No 738 W.C. pan with plate inlet. Shires low level "Lyne" cistern, solid black plastic seat with c.p. fittings and porcelain enamelled flush pipe.
2 No	Twyfords No 2662 lav basin 20"x16" with Messrs Barking Brassware ½" No 107 Hiflo taps. 1¼" No 820 c.p. goblet waste and 1¼" No 810 c.p. bottle trap.
1 No	Johnsons No 501 24" Urinal stall white glazed with black "Vitred" treads. Fireclay cistern and c.p. spreader pipes
1 No	TWYFORDS No 2673/2 DRINKING FOUNTAIN 13½"x12½" WITH No 1687 SELF-CLOSING NON-CONCUSSIVE TAP WITH PRESSURE REGULATING VALVE AND LIP GUARD, ALSO No 1693 SPUD OUTLET - ¾", No 1380 WALL HANGER



SECTION A-A [see drwg. No. 2229/21]

SECTION B-B [See drwg. No. 2229/21]

This drawing to be read in conjunction with drawing Nos 2229/20/21.

26227

'AS MADE'

NOTES

All drain pipes to be of cast iron to B.S. 437, jointed by means of molten lead well caulked onto a gaskin base.
All drain fittings to be to B.S. 1130 jointed as described.
All drain pipes below basement slab to be encased in concrete, 6" thick.
All pipes suspended from ceilings to be supported by purpose made hangers.
All waste pipes to be of copper tube to B.S. 659 with fittings to B.S. 864.
All pipe work to be adequately supported.
All catalogue No's are from Burns Bros. Catalogue except where noted.

REFERENCE DRAWINGS.

2229/21 ½" Drainage details grids B to E, 1 to 6.
2229/23 ½" Drainage details grids E to H, 1 to 6.
2229/24 ¼" Drainage plan grids A to H, 1 to 6.

Revisions

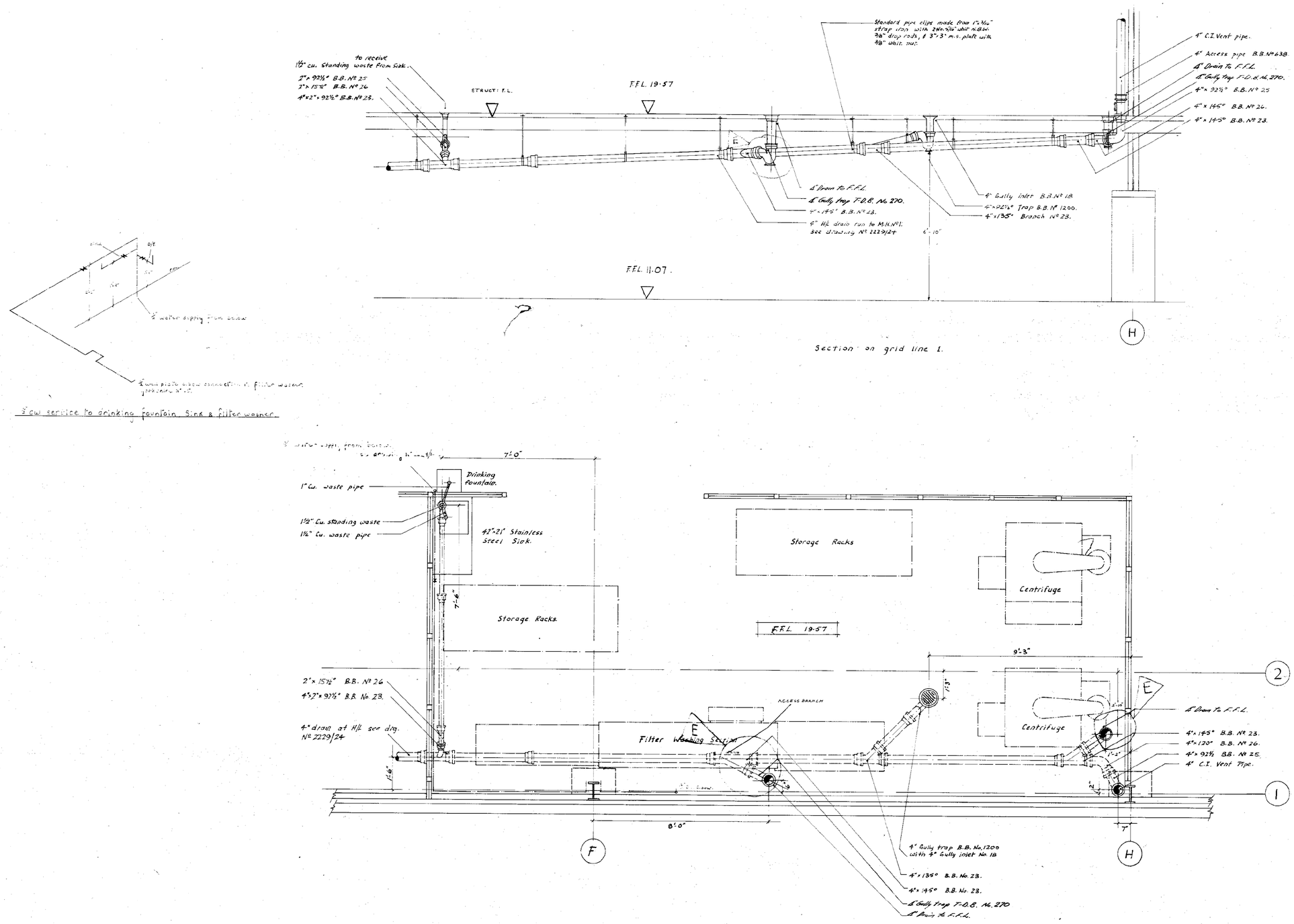
	Date	
A.	29.7.65	4"x2" BRANCH IN U/L DRAIN ADDED
B.	6.10.65	U/L Drainage connection to U/S drainage altered & notes added.

Job British Railways Immingham.

Title 1" Details of Suspended Drainage to Toilet Area.

DRG No 2229/22 63-WE-338	REV B
Scale 1" to 1'-0"	Drawn by [redacted]
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.	Date 18/6/65
	Checked [redacted]
	Date 18/6/65

133



26227

'AS MADE'

NOTES

All drain pipes to be of cast iron to B.S. 437, jointed by means of molten lead well caulked onto a gaskin base.
All drain fittings to be to B.S. 1130, jointed as described.
All pipes suspended from ceilings to be supported by purpose made hangers.
All service pipes to be of copper tube to B.S. 659.
All fittings for copper wastes to be to B.S. 864.
All pipework to be adequately supported.
All catalogue Nos quoted are from Burns Bros. catalogue.
Fittings shown thus ——— see M&E Drawing
All stopcocks to B.S. 1010, capillary for Pipe brickets to be yorkshire single ring clips Nº 107 with yorkshire screw on backplate Nº 111.

REFERENCE DRAWINGS

2229/24	¼" Drainage plan, grids A to H, & 1 to 6.
2229/21	½" Detail plan of drainage grids B to E, & 1 to 6.

Revisions

	Date	
A	6.10.65	Completely Redrawn, H/L drain altered.
B	15.10.65	2" H/L drain run amended.
C	10-11-65	¾" cold water service added to filter washer.
D	10-11-65	SUSPENDED DRAIN RAISE COMPLETELY APPROX 5" ALSO ACCESS BRANCH ADDED
E	26-2-66	DRAIN TRAPS ADDED IN PLACE OF BENDS

Job: British Railways ~ Immingham.

Title: PLUMBING LAYOUT FILTER CLEANING AREA

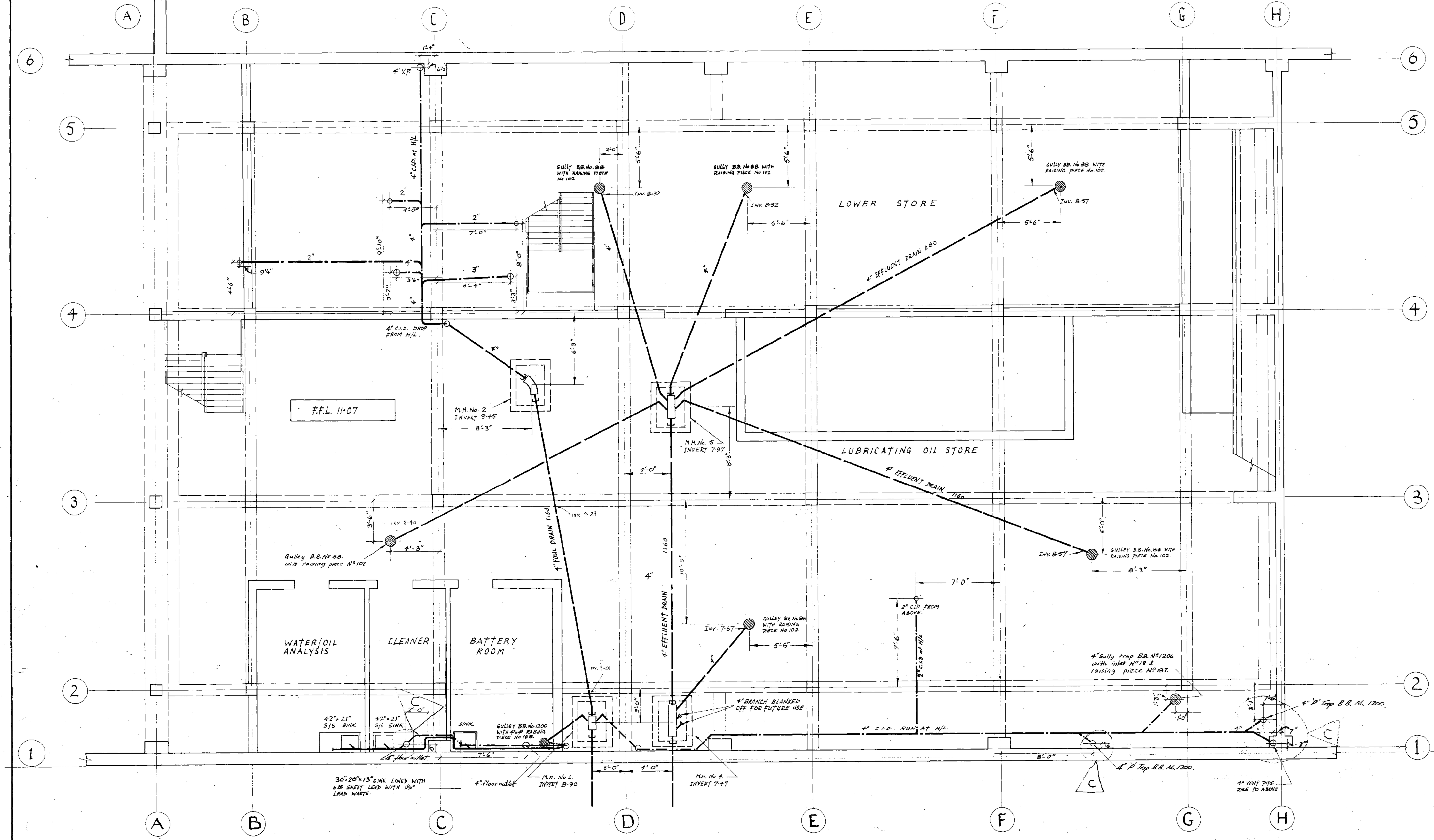
DRG. NO. 2229/23 69-WE-339 | REV. E

Scale ½" to 1 foot. | Drawn by [redacted]

George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6. | Date 6.10.65. | Checked [redacted] | Date 11/10/65

RAILTRACK 181237LNE

ADMEL 5746



MANHOLE SCHEDULE					
MANHOLE	MANHOLE		COVER		
No.	SIZE	INVERT	SIZE	INVERT	TYPE
1	3'-6" x 2'-6"	8·90	30" x 24"	11·07	BROADS No. 345D
2	" "	9·45	" "	"	"
4	" "	7·47	" "	"	"
5	" "	7·97	" "	"	"

NOTES

1) ALL DRAIN PIPES TO BE OF CAST IRON TO B.S. 437, JOINTED BY MEANS OF MOLTEN LEAD WELL CAULKED ONTO A GASKIN BASE.
2) ALL DRAIN FITTINGS TO BE TO B.S. 1130, JOINTED AS DESCRIBED.
3) ALL DRAIN PIPES BELOW BASEMENT SLAB TO BE ENCASED IN 6" OF CONCRETE.
4) MANHOLES TO BE OF CONCRETE, 6" THICK.
5) ALL PIPES SUSPENDED FROM CEILING TO BE SUPPORTED BY PURPOSE MADE HANGERS.

26227

'AS MADE'

Revisions	Date	
C	24/2/66	4" C.I. TRAPS ADDED IN PLACE OF BENDS GRID LINE 1. G+F. + GRID LINE H. 1+2
B	25/11/65	M.F. No 3 omitted 2" H/L drain rerouted R.J.
A	11.10.65	waste from degrease unit & warning bath added. M.H No 6. OMITTED R.J.

Job: BRITISH RAILWAYS ~ IMMINGHAM.

Title: LUBRICATING OIL & LOWER STORES FOUL & EFFLUENT DRAINAGE

DRG. No. 2229/24 69·WE·340 — REV. C

Scale 1/4" = 1'-0"

Drawn by [redacted]
Date 14.9.65
Checked [redacted]
Date 14.9.65

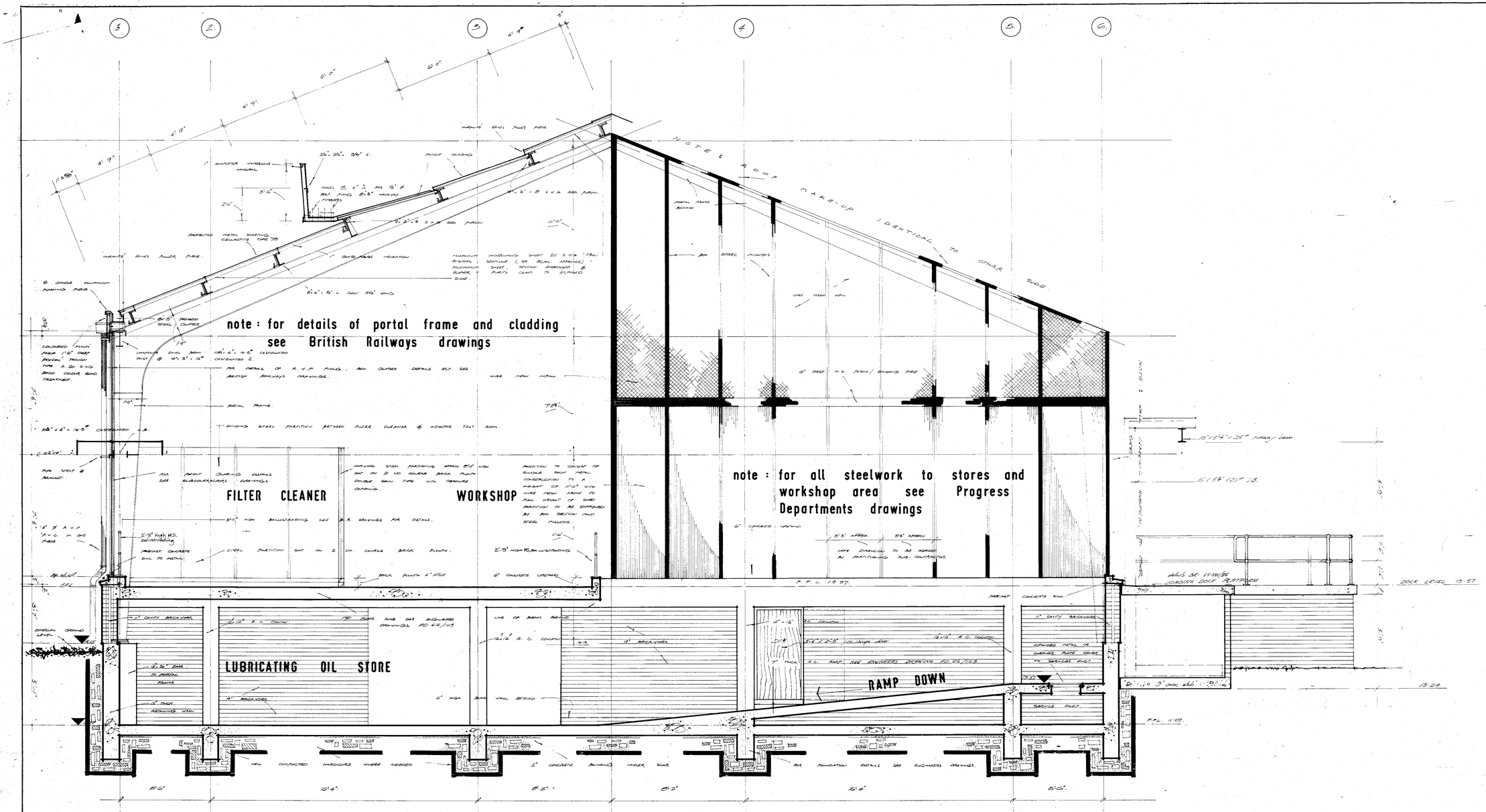
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.

RAILTRACK
181238LNE

133

ADMEL 5746

B. R. CONTRACT No. 81.



SECTION G:G [THROUGH WORKSHOP AND STORES] note : for location of section see 1/8" scale plan drwg. no. 2229/4./32./34

26227

'AS MADE'

RAILTRACK
181243LNE

FOR CONSTRUCTION

Revisions

	Date	
A	3-5-65	Height of balustrading amended
B	2-8-65	0.14 escape door added. Sand wall height reduced. Ramp wall lengthened. Dimensions added & casing deck detail 1-1 omitted

Job BRITISH RAILWAYS DIESEL SERVICE STATION IMPINGHAM

Title HALF INCH SECTION.

Drg No 2229/36 69-WE-348 | Rev

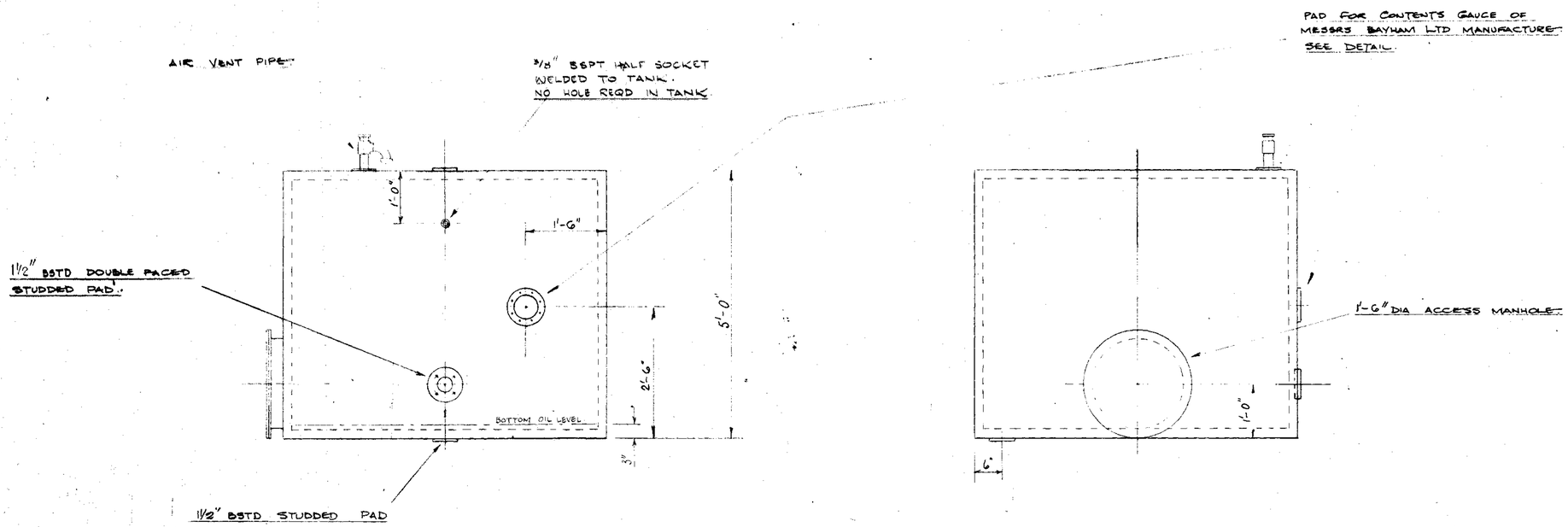
Scale 1/2" = 1'-0" | Drawn by

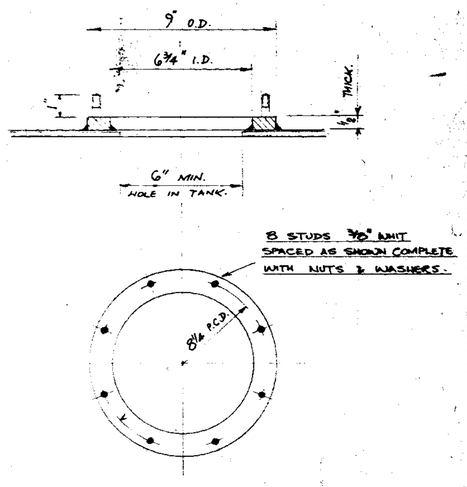
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6. | Date 30/8/65 | Checked | Date

CON. 33

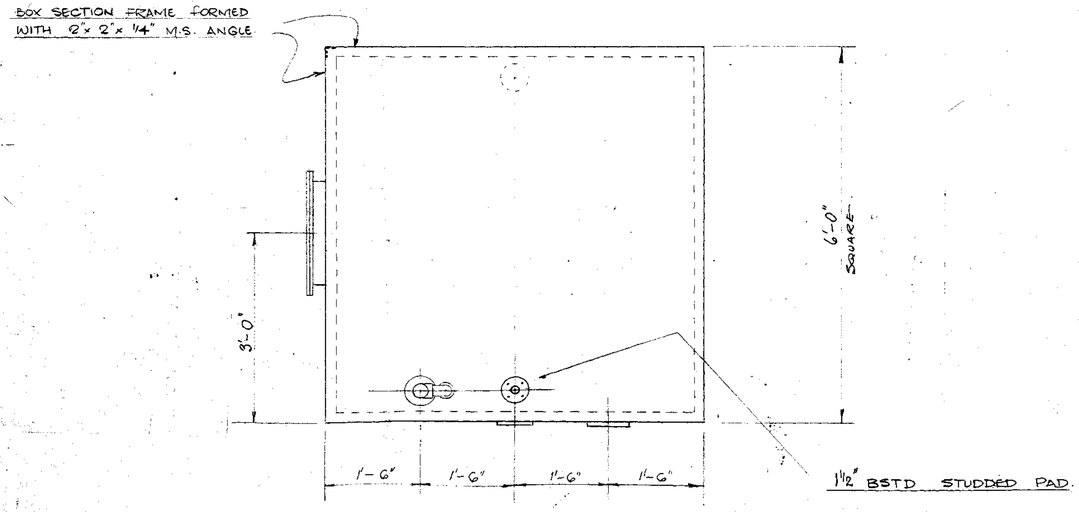
DRAWING NUMBER
HL-344-D52

CONTRACT DRAWING Nº 107



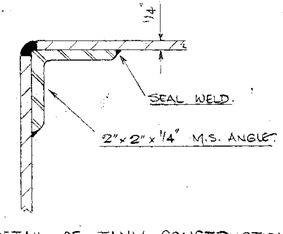


DETAIL OF PAD FOR GAUGE.



NOTES

CONSTRUCTION : FULLY WELDED M.S.
INSIDE FINISH : WIRE BRUSHED (& BRUSHINGS REMOVED)
OUTSIDE FINISH : WIRE BRUSH AND GIVEN ONE COAT OF RED LEAD PRIMER.
TANK BASE GIVEN TWO COATS BLACK BITUMASTIC.



DETAIL OF TANK CONSTRUCTION

RAILTRACK
181244LNE

FOR CONSTRUCTION

REVISION	DRN.	CH'D	C/DM	ENG.	CL'T.	DATE	ISS.
SOCKET ADDED. PAD SIZE ALTERED. DRAWING FINALISED	Rep					10.8.65	1
	Rep	A.C.				17.5.65	0

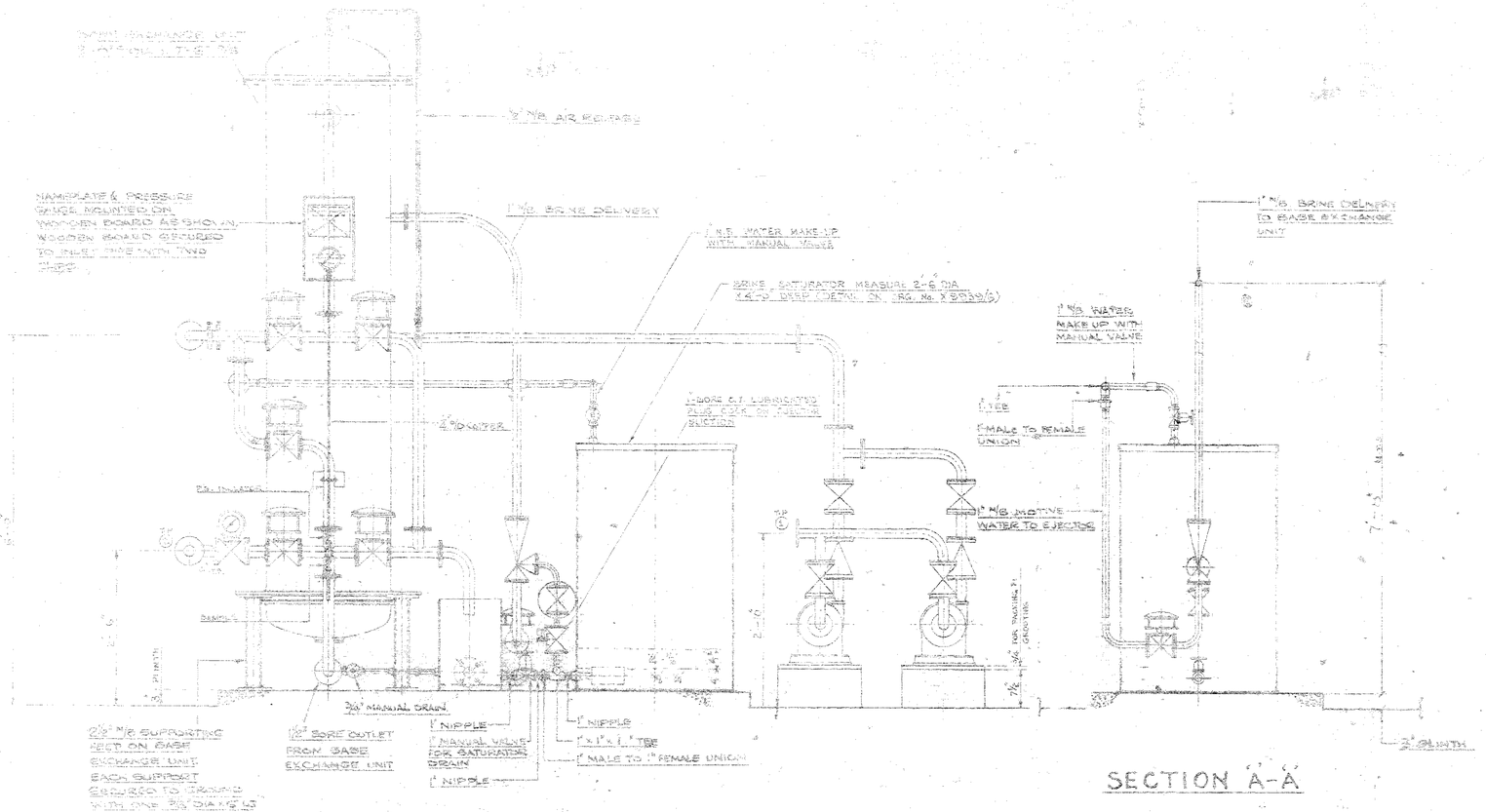
CLIENT : BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICE & MAINTENANCE DEPOT.
DETAIL OF 1000 GALL. WASTE OIL TANK

GEORGE WIMPEY & CO. LTD.
DEPT. 1, M. & E. ENGINEERING DIVISION,
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

SCALE	DRAWING NUMBER	ISSUE
3/4" = 1'-0"	HL-344-D52	1

30 x 20 OVERALL


NAMEPLATE & PRESSURE GAUGE MOUNTED ON TWO OPEN BOARD AS SHOWN WOODEN BOARD SECURED TO INLET PIPE WITH TWO U BOLTS
2" N/B AIR RELIEF
1½" N/B BRINE DELIVERY
1" N/B WATER MAKE UP WITH MANUAL VALVE
BRINE SATURATOR MEASURE 2-6 DIA (AS PER DRG. DEPN. IN DRG. No. X 8539/5)
1 NOS G.I. LUBRICATED PLUG COCK ON SUCTION
2" DIA WATER
1" N/B WATER MAKE UP WITH MANUAL VALVE
1" N/B BRINE DELIVERY TO BASE EXCHANGE UNIT
1" TEE
1" MALE TO MALE UNION
2½" N/B MOTIVE WATER TO EJECTOR
7'-4½" M.S.L.
2'-0" PLINTH
¾" MANUAL DRAIN
2½" N/B SUPPORTING FEET ON BASE EXCHANGE UNIT EACH EQUIPMENT SECURED TO CONCRETE WITH ONE ⅝" DIA H.D. BOLT
½" SOFT OUTLET FROM BASE EXCHANGE UNIT
1" NIPPLE
1" MANUAL VALVE FOR SATURATOR DRAIN
1" NIPPLE
1" NIPPLE
1"x1"x1" TEE
1" MALE TO 1" FEMALE UNION
SECTION A-A
-ELEVATION-
3- CENTRIFUGAL PUMPING UNITS (ONE WORKING, ONE STAND-BY) CAPACITY EACH 1500 G.P.M. OF WATER AGAINST A TOTAL HEAD OF 35-0 F.T. DRIVEN BY 2-H.P (EACH) ENGLISH ELECTRIC MOTOR AT 2900 R.P.M WOUND FOR 415 V/50 CYCLES SUPPLY
SECTION THROUGH BASE EXCHANGE UNIT
BRINE INLET
SUPPLIED PLATE
¾" DIA HOLES PLATE BOLTED BETWEEN WASHER FLANGES
TOP OF TYPE III CONCRETE
BOTTOM OF BASE
8'-7½"
NOTE: DEPTH OF SUCTION CONNECTION TO BE DETERMINED BY NATURE OF SITE
2'-6"
8'-6"
1'-0"
2'-6"
2'-11"
1'-2"
A
A
1" N/B LEAD TO TERMINATE AT THIS POINT WITH 12" RISE IN CENTRE
AUTOMATIC CONTROL PANEL SEE DRG. No. X 8539/5 SUPPLIED PER SWITCH CUBICLE
6½"
4½"
1'-7"
BASE EXCHANGE WORKING WT 2 TONS
1" N/B WATER INLET TO EJECTOR MOTIVE WATER AND MAKE UP WATER TO BRINE SATURATOR / MEASURE TANK
WEIR STOP PLATE TO BE FIXED TO BRASS SEATING
WEIR SCALE
3" HIGH COMMON PLINTH TO BE IN ALIGNED ROW
MILD STEEL STRAINER
DETAIL OF 3' HIGH COMMON PLINTH FOR VESSELS & BASES FOR PUMPING UNITS.-
8'-6"
1'-9"
1'-4"
1'-4"
4-1'-2" Dia x 9" DEEP HOLES FOR HOLDING DOWN BOLTS
BASE EXCHANGE UNIT WORKING WT 2 TONS
NEW SUMP
2'-6" DIA x 9'-0" DEEP BRINE SATURATOR MEASURE WORKING WT 1 TON (SEA WT.)
1'-4"
2'-0"
6 BASES FOR PUMPING UNITS ⅝" HIGH AFTER PACKING & GROUTING (SEE ELEVATION)
(2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41)

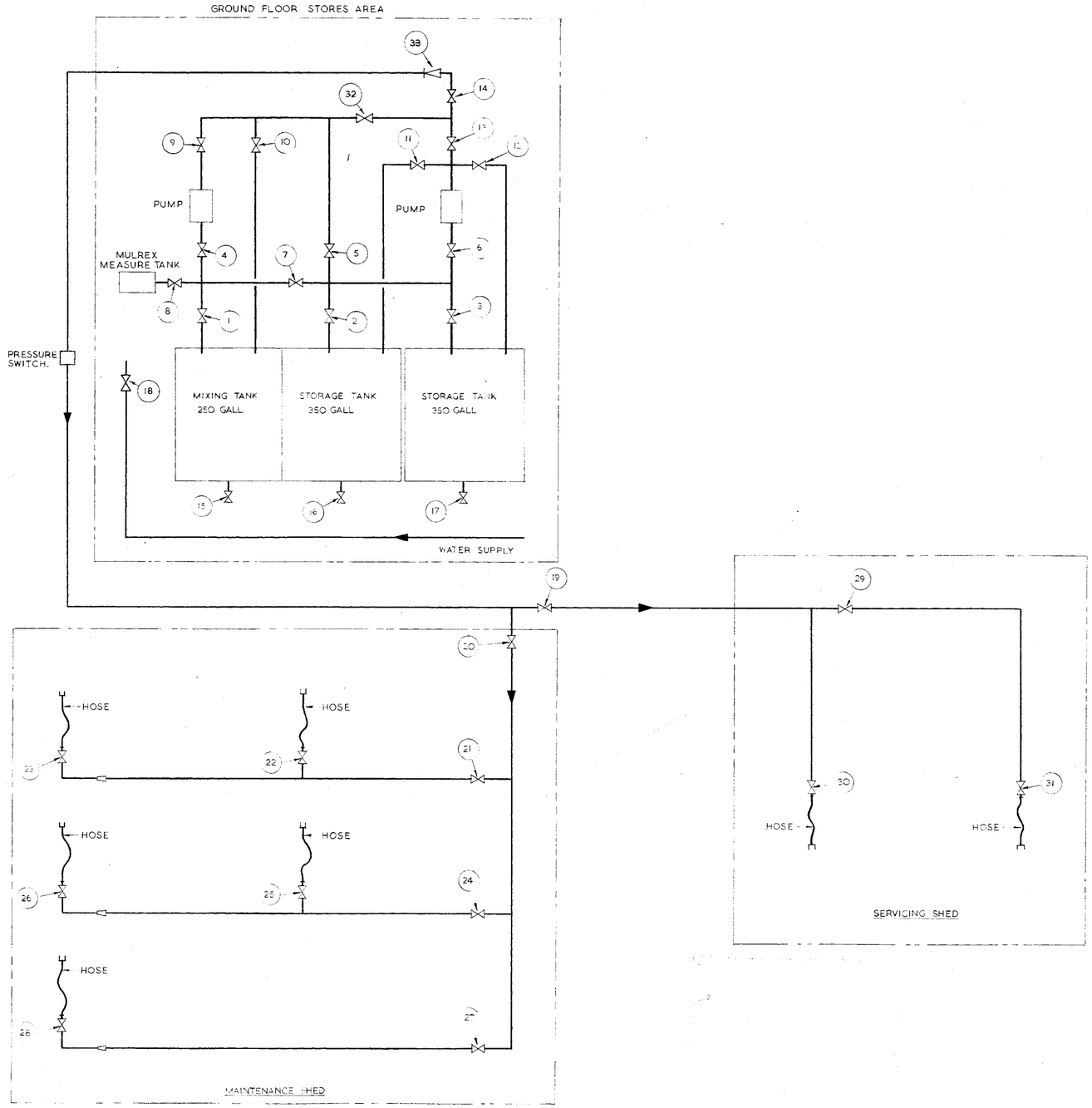
DRAWING NUMBER

VALVE SCHEDULE

VALVE NO	SERVICE	DUTY	LOCATION
1	MULREX	I V	MIXING TANK
2	"	I V	STORAGE TANK
3	"	I V	STORAGE TANK
4	"	I V	PUMP SUCTION
5	"	I V	STORAGE TANKS
6	"	I V	PUMP SUCTION
7	"	I V	STORAGE TANKS
8	"	I V	MEASURE TANK
9	"	I V	PUMP DISCHARGE MANIFOLD
10	"	I V	PUMP DISCHARGE MANIFOLD
11	"	I V	PUMP DISCHARGE MANIFOLD
12	"	I V	PUMP DISCHARGE MANIFOLD
14	"	I V	DISHARGE TO DISPENSERS
16	"	I V	MIXING TANK DRAIN
16	"	I V	STORAGE TANK DRAIN
17	"	I V	STORAGE TANK DRAIN
18	WATER	I V	WATER SUPPLY TO TANKS
19	MULREX	I V	MULREX TO DISPENSERS
20	"	I V	MULREX TO DISPENSERS
21	"	I V	MULREX TO DISPENSERS
22	"	I V	DISPENSER
23	"	I V	DISPENSER
24	"	I V	MULREX TO DISPENSERS
25	"	I V	DISPENSER
26	"	I V	DISPENSER
27	"	I V	MULREX TO DISPENSER
28	"	I V	DISPENSER
29	"	I V	MULREX TO DISPENSER
30	"	I V	DISPENSER
31	"	I V	DISPENSER
32	"	I V	PUMP DISCHARGE MANIFOLD
33	"	N.R.V	DISCHARGE TO DISPENSERS

LEGEND:-

I.V. ISOLATING VALVE
N.R.V. NON RETURN VALVE



262144

FOR CONSTRUCTION

KEY PLOT PLAN

REFERENCE DRAWINGS

GENERAL NOTES

1. VALVES TO BE TAGGED :- MULREX 1 , ETC.

RAILTRACK
181247LNE

ORIGINAL ISSUE.								
REVISION	DRN	CH'D	C.DM	ENG.	CL'T	DATE	ISS.

CLIENT :- BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING DEPOT.
MULREX FLOW DIAGRAM.

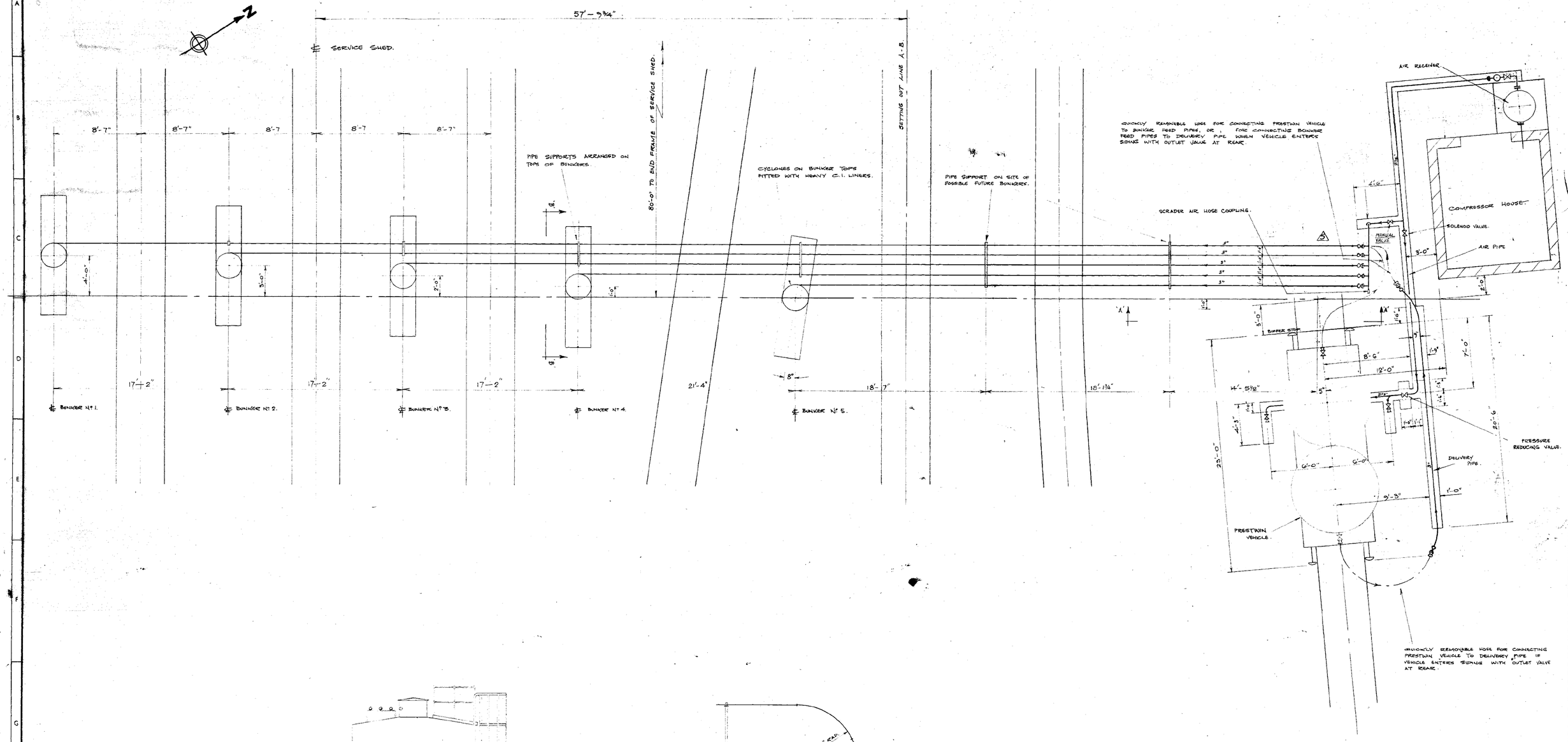
GEORGE WIMPEY M. E. & C. LIMITED
FLYOVER HOUSE, GREAT WEST ROAD, BRENTFORD, MIDDLESEX.

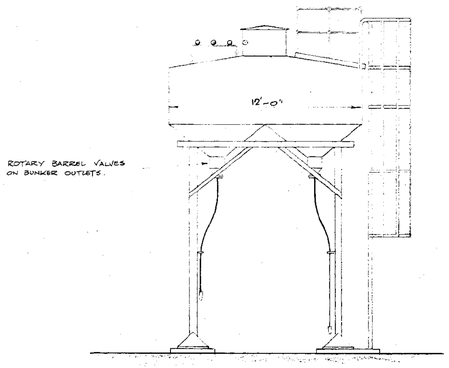
SCALE	DRAWING NUMBER	ISSUE
	GL-344-A76	O

40 x 27 OVERALL

CONTRACT DRAWING Nº 102

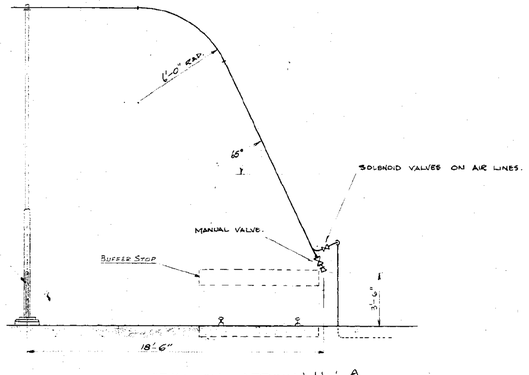
DRAWING NUMBER





VIEW ON ARROW 'B-B'

TWO GUSSET PLATES ONLY REQUIRED ON SUPPORT. LOCATED AS SHOWN



VIEW ON ARROW 'A-A' 3

26244

RAILTRACK
181248LNE

REVISION	DRN	CH'D	C/DM	ENG.	CL'T.	DATE	ISS.
CONN TO AIR RECEIVER & TRENCH ROUTE AT COMPRESSOR HOUSE	P.C.					15-2-66	2
DELIVERY PIPES MODIFIED TO CLEAR BUFFER STOPS.	D.W.K.			[redacted]		4-1-66	3
REDRAWN.	REP					2.12.65	
							0

CLIENT - BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICE & MAINTENANCE DEPOT.
ARRT OF GRIT FINES INSTALLATION.

GEORGE WIMPEY & CO. LTD.
DEPT. 1. M. & E. ENGINEERING DIVISION.
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

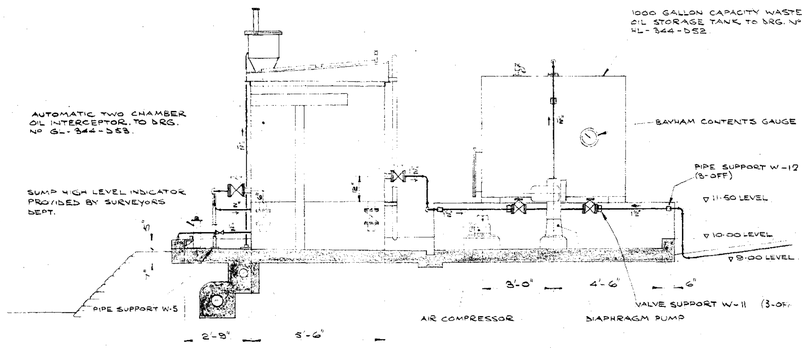
SCALE	DRAWING NUMBER	ISSUE
¼" = 1'-0"	GL - 344 : A42	6

40 x 27 OVERALL

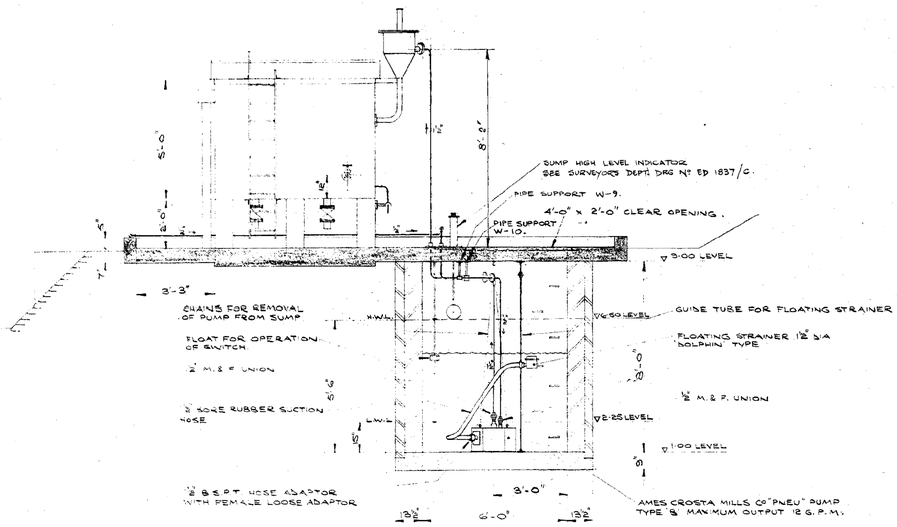
DRAWING NUMBER GL-344-P55

CONTRACT DRAWING Nº 103

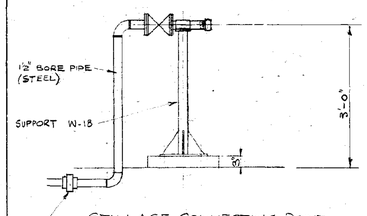
VIEW ON 'A'-'A'



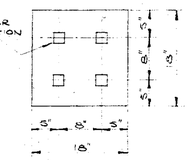
VIEW ON 'B'-'B'



STILLAGE CONNECTING POINT



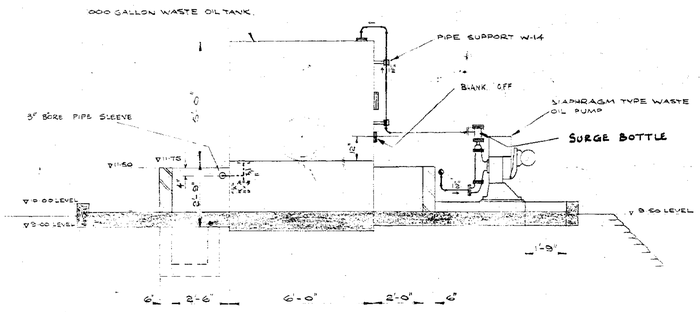
SCALE: 3/4 TO 1 FOOT.

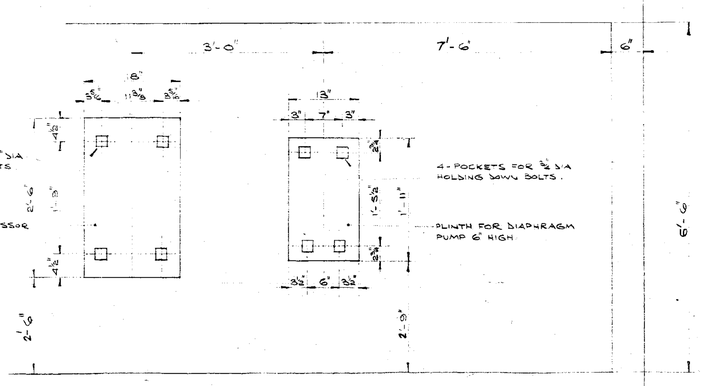


PLINTH DETAIL FOR CONNECTING POINTS.

SCALE: 1 IN. TO 1 FOOT

VIEW ON 'C'-'C'

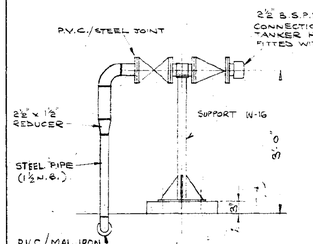




DETAIL OF PLINTHS REQUIRED FOR PUMP AND COMPRESSOR UNIT

SCALE 1" TO 1 FOOT.

P.V.C./STEEL JOINT



ROAD TANKER CONNECTING POINT.

SCALE: 3/4" TO 1 FT.

GENERAL PIPING SPEC.

PIPE. HEAVY GAUGE UNPLASTICISED P.V.C. TO B.S. 3505 1968.

VALVES. "SAUNDERS" C.I. FLANGED DIAPHRAGM TYPE 'A' NON RETURN 'CRANE' C.I. FLANGED TYPE F.481.

MECH JOINTS. FLANGED TO B.S. 10 PART 2 TABLE 'D'

GASKETS. 1/8 THICK COMPRESSED ASBESTOS FIBRE

FITTINGS. SOLVENT WELDED.

FOR SITE PLAN SEE DRG. Nº GL-344-A2.

FOR DETAILS OF SUPPORTS SEE DRG Nº GL 344 H57.

REVISION	DRN	CH'D	C/DH	ENG.	CLT.	DATE	ISS.
LINE TO STILLAGE POINT NOW SHOWN							5
MODIFY BOND WALL AND PIPEWORK TO BEN TYPE ACT COMPRESSOR AND SURGE BOTTLE	P.C					4/5/66	4
MODIFY TANKER AND STILLAGE POINTS	P.C					8/11/66	3
VORTEX CHAMBER ADDED TO INTERCEPTOR. WASTE OIL TANK SHIFTING PIPES MODIFIED.						5.12.66	2
VORTEX CHAMBER REMOVED FROM INTERCEPTOR. SUMP HIGH LEVEL WAS 6 NO. PIPE SUPPORTS ALTERED.	A.C.					20.7.65	1
	A.C.					20.7.65	0

CLIENT: BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING AND MAINTENANCE DEPOT
WASTE OIL INSTALLATION ADJACENT EXISTING FOOTBRIDGE
GENERAL ARRANGEMENT & PIPING.

GEORGE WIMPEY & CO. LTD.
DEPT. 1. M. & E. ENGINEERING DIVISION,
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

SCALE	DRAWING NUMBER	ISSUE
3/8" TO 1 FT.	GL-344-P55.	5

RAILTRACK 181250LNE

FOR CONSTRUCTION

40 x 27 OVERALL

DRAWING NUMBER GL-344-P51.

CONTRACT DRAWING Nº 132

GENERAL PIPING SPEC.

PIPE : HEAVY GAUGE UNPLASTICISED P.V.C. TO B.S. 3506 1962.

VALVES : "SAUNDERS" C.I. DIAPHRAGM TYPE 'A'. NON RETURN "CRANE" C.I. TYPE F.491. VALVES FLANGED TO B.S. TABLE 'D'.

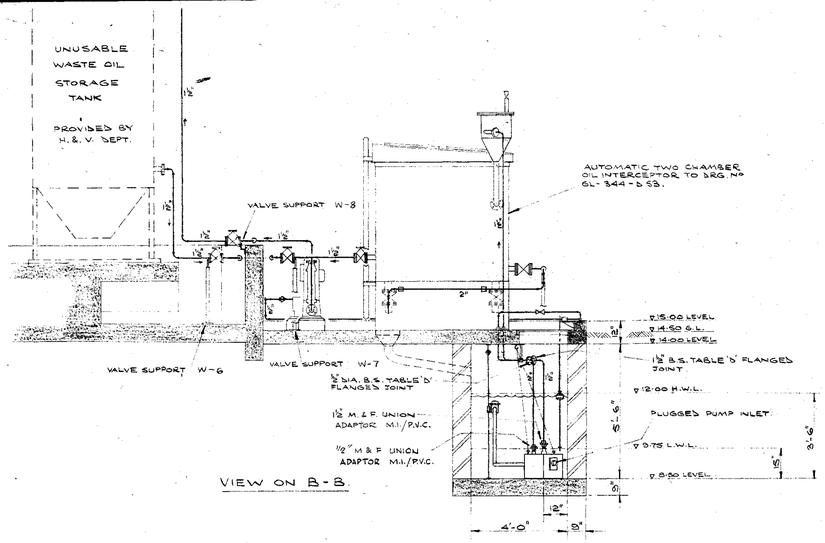
MECH. JOINTS : FLANGED TO B.S. 10 PART 2. TABLE 'D'

GASKETS : 1/16 THICK COMPRESSED ASBESTOS FIBRE.

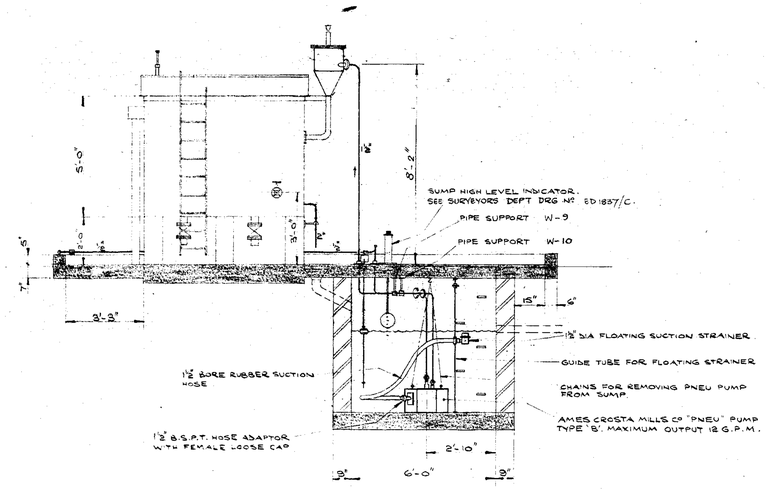
FITTINGS : SOLVENT WELDED.

GENERAL SITE PLAN TO DRG. Nº RL-344-A2.

FOR DETAILS OF SUPPORTS SEE GL-344-H57.

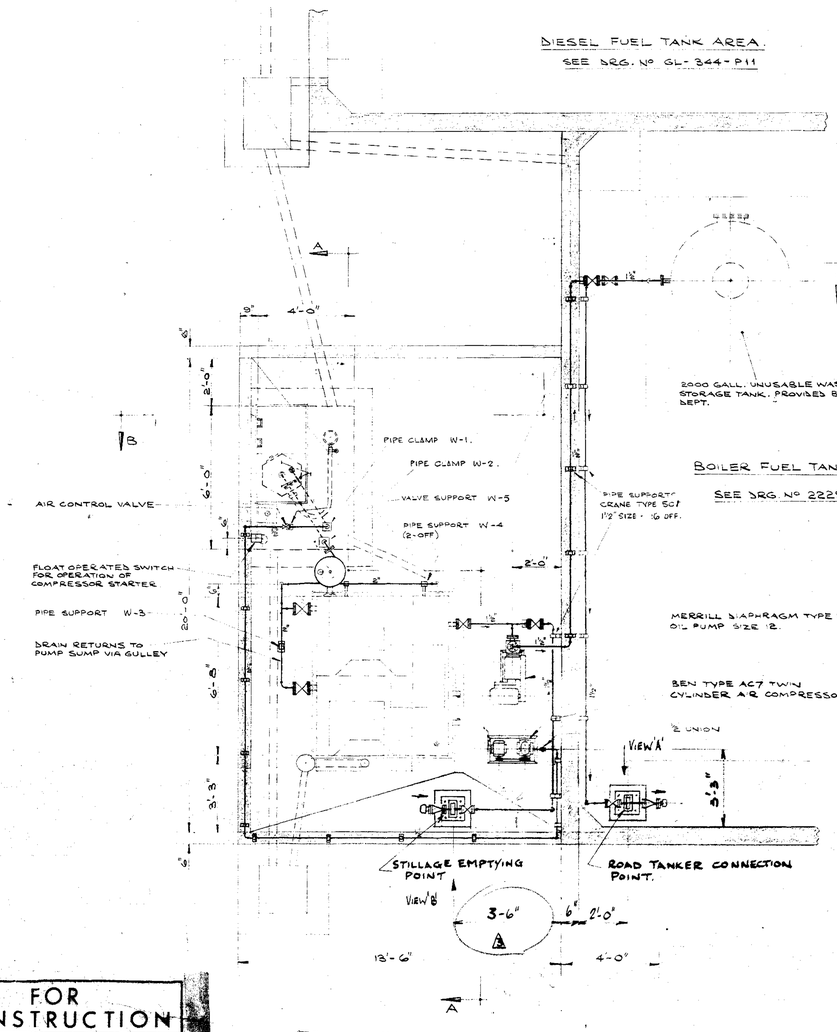


VIEW ON B-B.

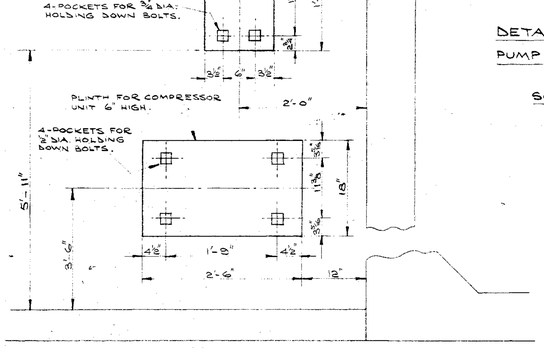


VIEW ON A-A.

DIESEL FUEL TANK AREA.
SEE DRG. Nº GL-344-P11

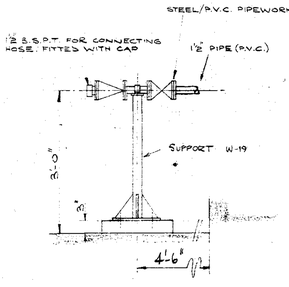


BOILER FUEL TANK AREA.
SEE DRG Nº 2229/12



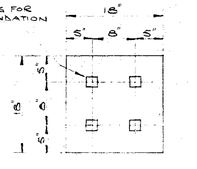
DETAIL OF PLINTHS FOR PUMP AND COMPRESSOR UNIT.

SCALE : 1" to 1 FOOT



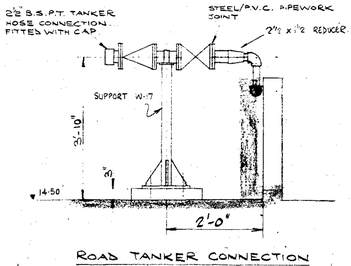
STILLAGE EMPTYING POINT. (VIEW 'B')

SCALE : ¾ to 1 FT.



PLINTH DETAIL FOR CONNECTING POINTS

SCALE : 1" to 1 FT.



ROAD TANKER CONNECTION POINT. (VIEW 'A')

SCALE : ¾ to 1 FT.

FOR CONSTRUCTION

RAILTRACK 1812511NE

REVISION	DRN	CH'D	C/DM	ENG.	CLT.	DATE	ISS.
3-6" DIMENSION WAS 4'-6"	A.R.L.					14-6-66	4
STILLAGE AND TANKER POINT MOVED SURGE BOTTLE ADDED	P.C.					16-3-66	3
WATER CHAMBER REMOVED FROM INTERCEPTOR SUMP HIGH LEVEL WAS 12·50 PIPE SUPPORTS ADDED.	A.C.					10-8-65	2
	A.C.					6-7-65	1

CLIENT : BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING & MAINTENANCE DEPOT

WASTE OIL INSTALLATION ADJOINING FUEL STORAGE TANK AREA

GENERAL ARRANGEMENT & PIPING.

GEORGE WIMPEY & CO. LTD.
DEPT. 1. M. & E. ENGINEERING DIVISION.
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

SCALE	DRAWING NUMBER	ISSUE
B/W to 1 FOOT	GL-344-P51	3

40 x 27 OVERALL

DRAWING NUMBER GL-344-D52

CONTRACT DRAWING Nº 108

TANK TO BE CONSTRUCTED FROM ¼" THICK M.S. PLATE CONTINUOUSLY WELDED THROUGHOUT. ALL ANGLE 6½" x 2½" x ⅝" MILD STEEL.

ALL FLANGES TO B.S. TABLE 'D' SLIP ON WELDING TYPE.

THIS DRAWING BASED ON BRITISH RAIL DRAWING Nº 60LCB/276.

FOR ARRANGEMENT OF WASTE OIL INSTALLATION SEE DRG. Nº GL-344-P61.

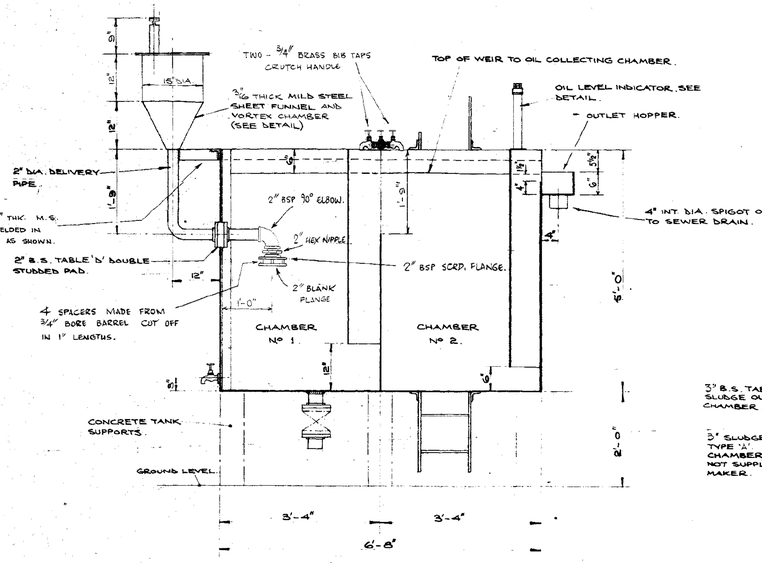
PAINTING SPEC.

TANK TO BE SHOTBLASTED INSIDE & OUT FOLLOWED BY A COAT OF ZINC RICH EPOXY RESIN BOUND PAINT. THE TANK INTERIOR IS ALSO TO BE GIVEN TWO SPRAYED COATS OF COAL TAR EPOXY RESIN BOUND PAINT ('STAG' COAL TAR EPOXY TANK LINING AS MADE BY I.C.I. IS ACCEPTABLE).

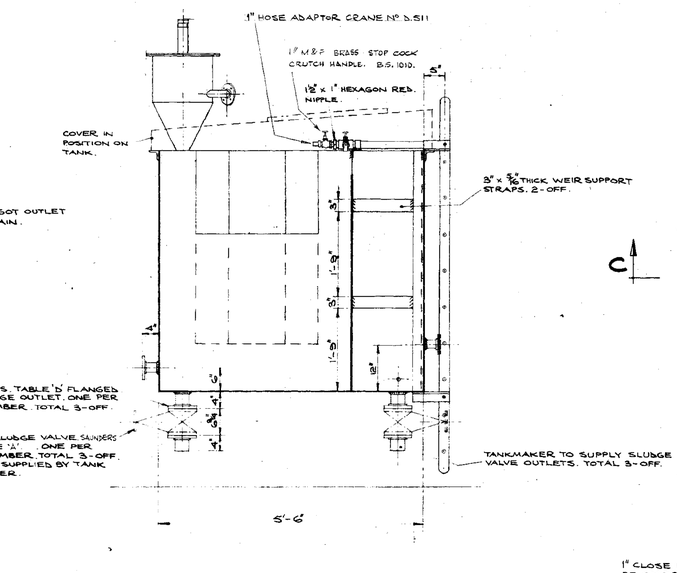
SITE PAINTING.

EXTERNAL SURFACES TO BE PAINTED AS SPECIFIED FOR STEELWORK.

TANKMAKER TO SUPPLY THE NECESSARY NUTS BOLTS AND WASHERS.

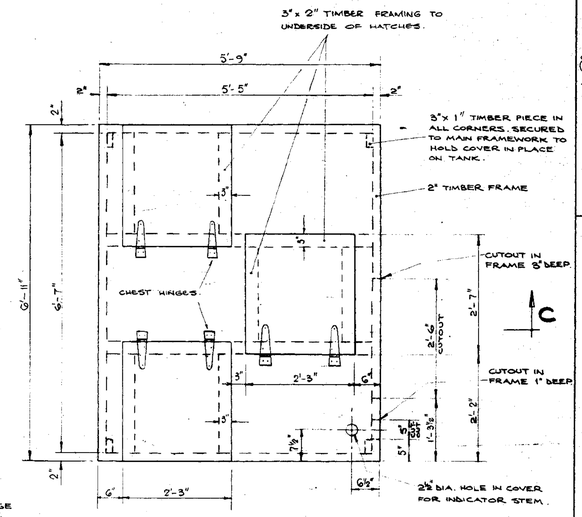


ELEVATION 'A-A'

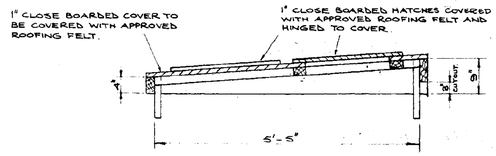


SECTION 'B-B'

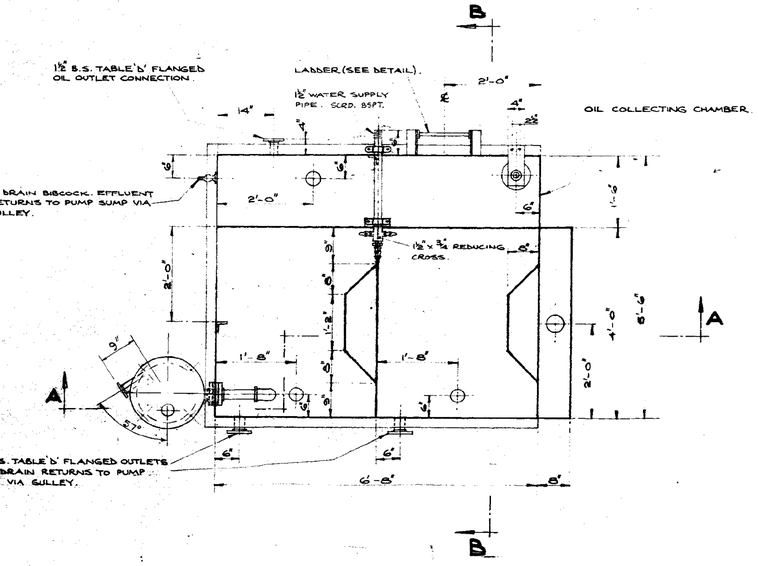
INTERCEPTOR COVER.



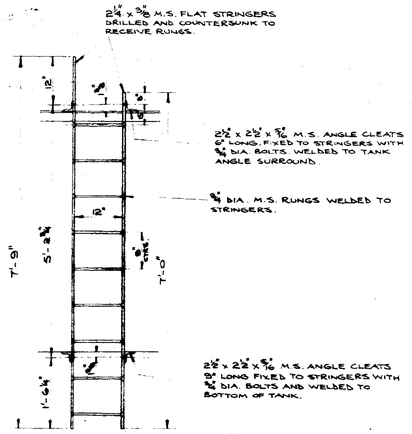
PLAN.



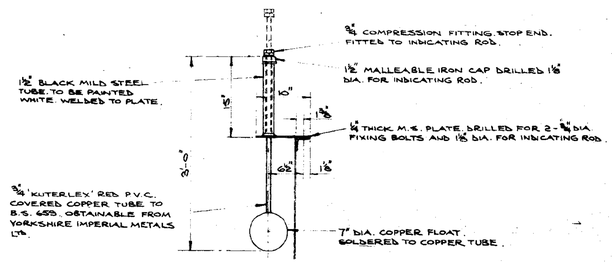
SECTION 'C-C'.



PLAN

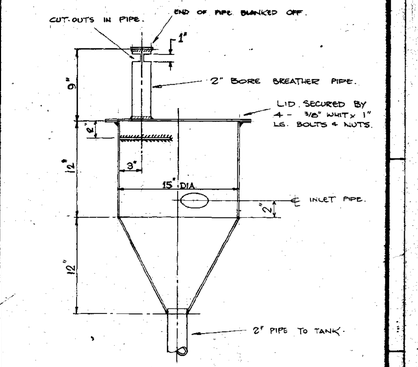


DETAIL OF LADDER.

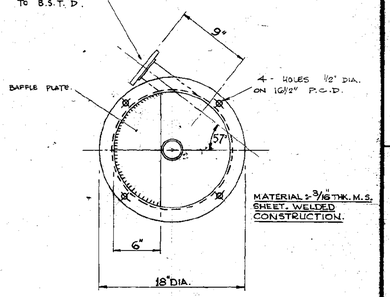


OIL COLLECTING CHAMBER INDICATOR.

SCALE: 1IN. TO 1FT.



1½" DIA INLET PIPE FLANGED TO B.S.T. 'D'.



DETAIL OF INLET FUNNEL AND VORTEX CHAMBER.

SCALE 1½" = 1-0"

FOR CONSTRUCTION

TWO TANK'S OFF THUS

REVISION	DRN	CH'D	C/DM	ENG.	CL'T.	DATE	REF.
SLUDGE VALVES WERE CRANE.						25.8.15	4
INLET MODIFIED, SPREADER ADDED. HIGHOUT COCK'S IN INTERCEPTOR. TOP ALTERED.						22.9.15	3
VORTEX CHAMBER & INLET FUNNEL ADDED.						8.9.15	2
FLANGE ON INLET FUNNEL REMOVED. STRAP ADDED. PAINTING SPEC. ADDED. DRG. FINALISED						0.8.15	1
						17.5.15	A

CLIENT: BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICE & MAINTENANCE DEPOT.
WASTE OIL INSTALLATION.
AUTOMATIC OIL INTERCEPTOR.

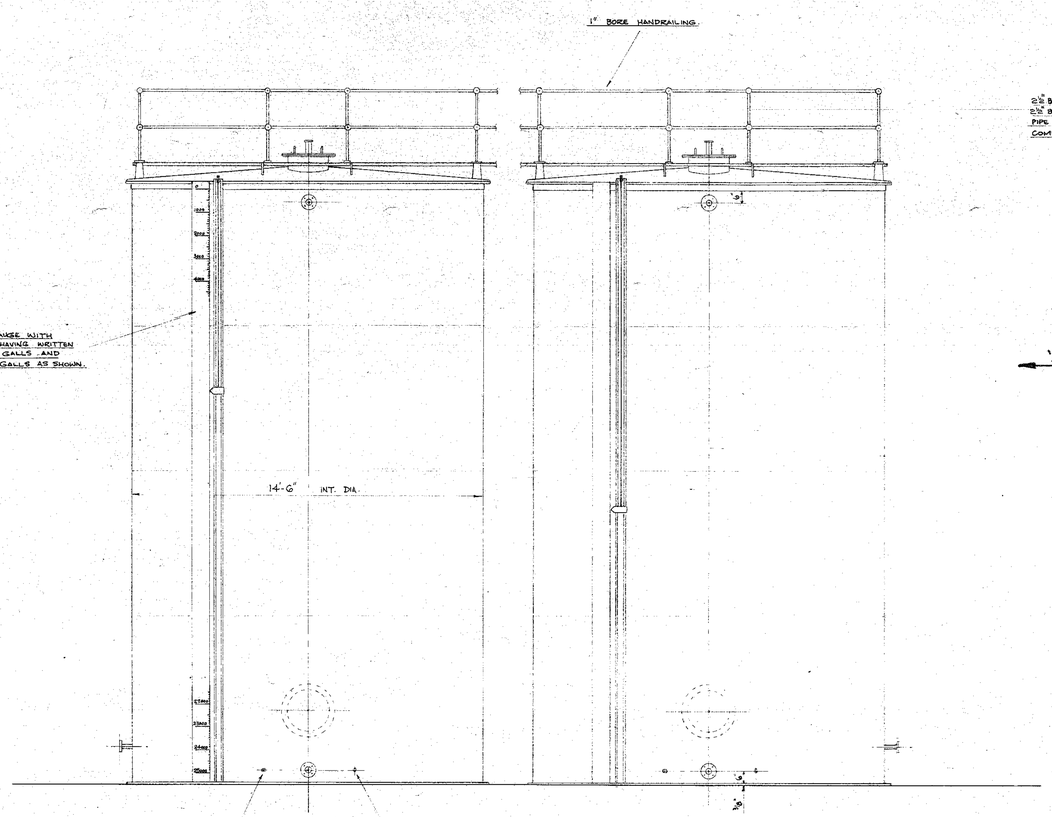
GEORGE WIMPEY & CO. LTD.
DEPT. 1. M & E. ENGINEERING DIVISION
ATOMIC HOUSE, BRENTFORD, MIDDLESEX.

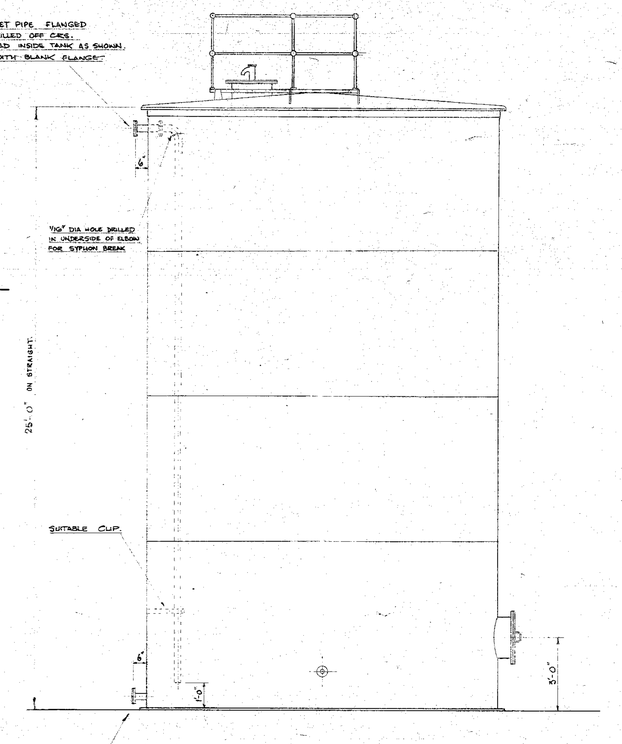
SCALE	DRAWING NUMBER	ISSUE
½" = 1FT.	GL-344-D52	A

RAILTRACK 181252LNE

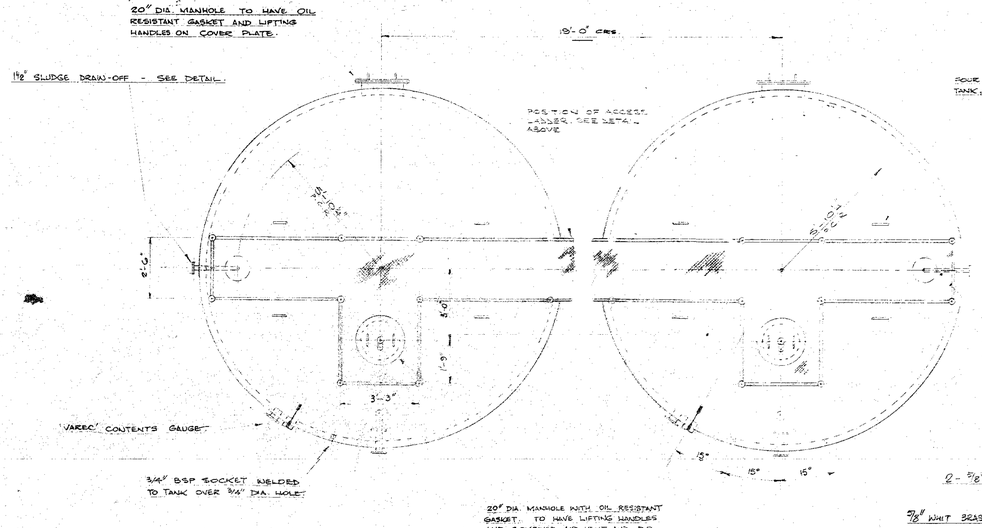
DRAWING NUMBER GL-344-D12.

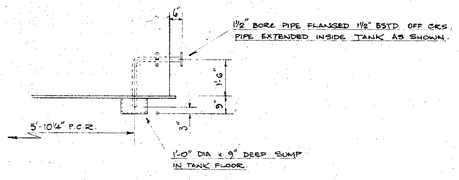
CONTRACT DRAWING Nº 104



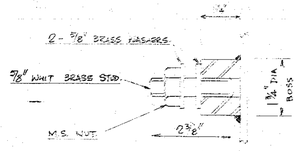


VIEW ON ARROW 'A'





DETAIL OF SLUDGE DRAW-OFF



DETAIL OF EARTHING CONNECTION.

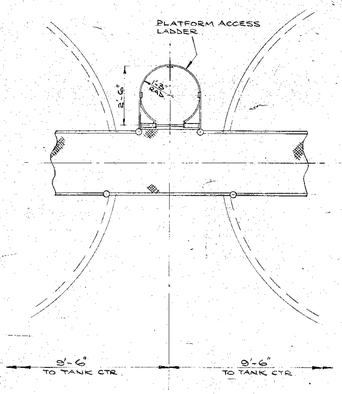
NOTES

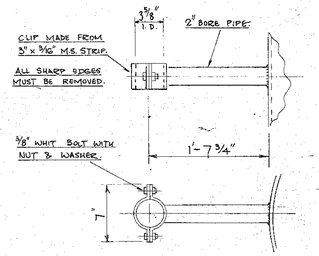
CONSTRUCTION	FULLY WELDED M.S. (ALL PIPES PASSING THROUGH TANK, AND MANHOLE NECKS TO BE RE-INFORCED.
INSIDE FINISH	WIRE BRUSHED (AND BRUSHINGS REMOVED)
OUTSIDE FINISH	WIRE BRUSHED AND GIVEN ONE COAT RED LEAD PRIMER. TANK BASES GIVEN TWO COATS BLACK BITUMASTIC.
MARKING	TANKMAKER TO MARK TOP FACE OF BASE RIM ON BOTH CENTRE LINES TO FACILITATE EASE OF INSTALLATION.

26244

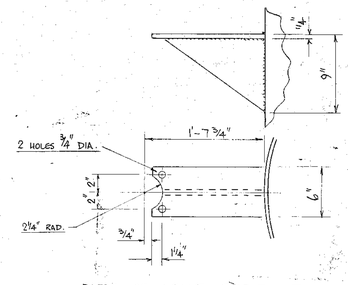
RAILTRACK 181253LNE

DETAIL SHOWING POSITION OF PLATFORM ACCESS LADDER





DETAIL OF PIPE CLIP.



DETAIL OF VALVE SUPPORT.

FOR CONSTRUCTION

REVISION	DRN	CH'D	C/DM	ENG.	CL'T.	DATE	ISS.
DRAWING FINALISED	A.P.					16.8.65	2
ACCESS LADDER AND SLUDGE SUMPS RE-POSITIONED	A.C.					28.6.65	1
	A.C.					29.4.65	0

CLIENT: BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING & MAINTENANCE DEPOT.
DETAIL OF DIESEL FUEL OIL STORAGE TANK (25000 GALS EACH)

GEORGE WIMPEY & CO. LTD.
DEPT. 1. M. & E. ENGINEERING DIVISION,
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

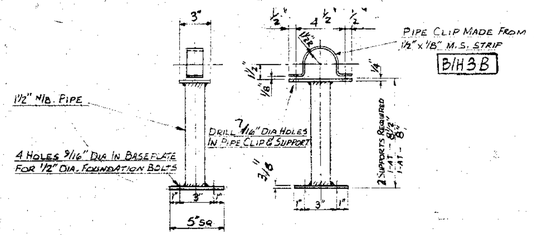
SCALE	DRAWING NUMBER	ISSUE
3/8"=1-0"	GL-344-D12	2

40 x 27 OVERALL

DRAWING NUMBER

HL-344-P63

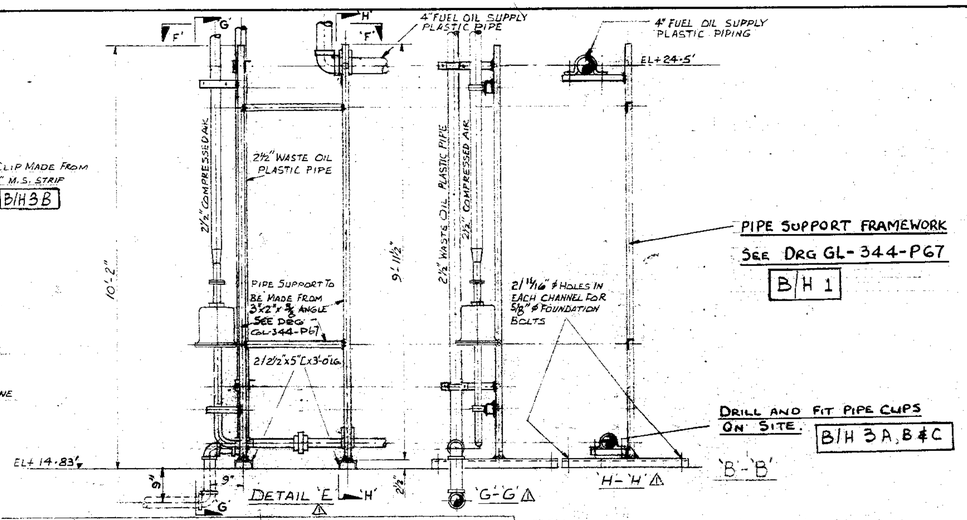
CONTRACT DRAWING Nº

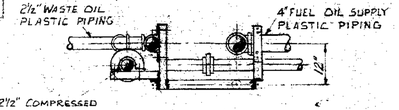


PIPE SUPPORTS FOR 2½" COMPRESSED AIR LINE

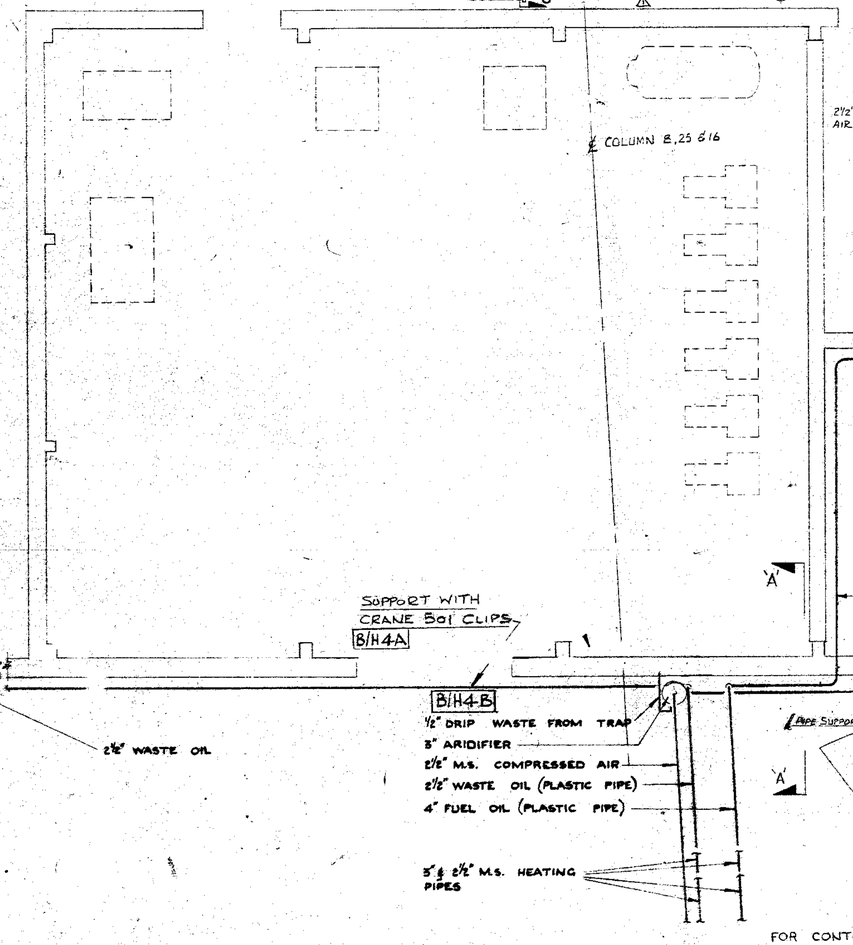
B/H 2A&D — DETAIL 'D' △ — 2 REQUIRED

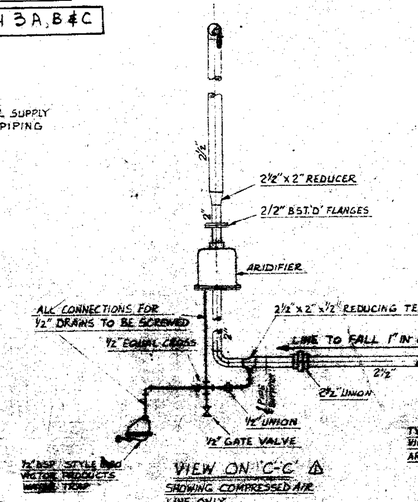
SEE DRG GL-344-P67

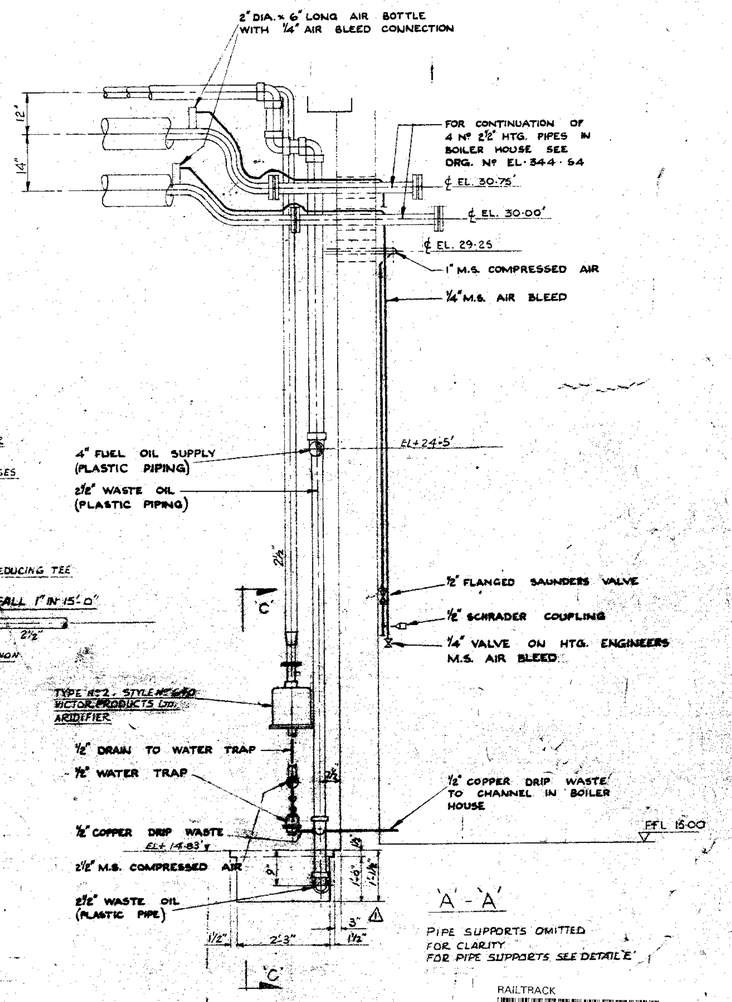




VIEW ON F-F △







GENERAL PIPING SPECIFICATION

PIPE. MILD STEEL:- BLACK HEAVYWEIGHT TUBE TO BSS. 1387 SOLID DRAWN WITH WELDED JOINTS.
COPPER TUBE:- LIGHT GAUGE TUBE TO BSS. 659
PLASTIC TUBE:- HEAVY GAUGE UNPLASTICIZED P.V.C. TO BSS. 3506 1965

VALVES: COMPRESSED AIR:- SAUNDERS C.I. FLANGED TYPE 'A' DIAPHRAGM

MECH. JOINTS:- FLANGED TO BS. 10. PART 2. TABLE 'D'
GASKETS: 1/16" THK. COMPRESSED ASBESTOS FIBRE

FITTINGS. PLASTIC:- SOLVENT WELDED
MILD STEEL:- BLACK BUTT WELDED TO BS 1965

AIR COUPLING: SCHRADER HEAVY DUTY CHECK UNITS Nº 1461B-12

REFERENCE DRAWINGS

FOR SITE PLAN SEE DRG. Nº RL-344-A2
FOR FLOW DIAGRAM SEE DRG. Nº EL-344-A1
FOR PIPE SUPPORTS DRG. Nº GL-344-P67

26244

FOR CONSTRUCTION

REVISION	DRN.	CH'D	C/DM	ENG.	CLT.	DATE	ISS.
PIPE SUPPORT DET. NOW SEP. DRWG. P.C.						16/4/66	2
DETAIL 'A' MODIFIED & DETAILS C D E F G H INCL. ADDED.	W.H.					29/11/66	3
	G.E.E.						4

CLIENT: BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING & MAINTENANCE DEPOT

ARRANGEMENT OF COMPRESSED AIR SERVICE TO BOILER HOUSE BLOCK

GEORGE WIMPEY & CO. LTD.
DEPT. 1, M. & E. - ENGINEERING DIVISION.
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

SCALE	DRAWING NUMBER	ISSUE
¼" & ½" To 1'-0"	HL-344-P63	2

30 x 20 OVERALL

RAILTRACK
1812541NE

DRAWING NUMBER GL-344-P62

CONTRACT DRAWING Nº

GENERAL PIPING SPECIFICATION

PIPE BLACK MILD STEEL HEAVYWEIGHT TUBE TO BSS 1387 SOLID DRAWN WITH WELDED JOINTS.

FITTINGS BLACK BUTT WELDED TO BSS 1965

FLANGES M.S. TO BSS 10 PART 2 TABLE 'D' SLIP-ON FLAT FACE

GASKETS COMPRESSED ASBESTOS

VALVES SAUNDERS FLANGED C.I. TYPE 'A' 'S' GRADE DIAPHRAGM

AIR COUPLINGS SCHRADER HEAVY DUTY CHECK UNITS Nº 1461B-12

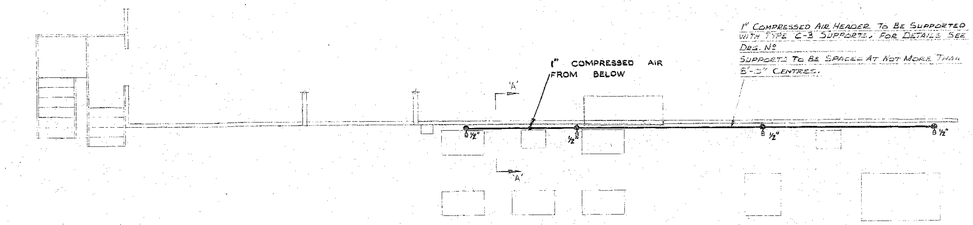
REFERENCE DRGS.

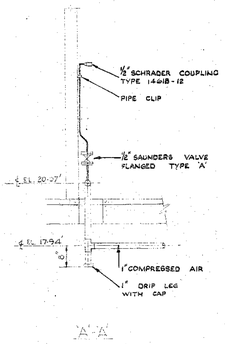
FOR SITE PLAN SEE DRG. Nº RL-344-A2
FOR FLOW DIAGRAM SEE DRG Nº EL-344-A1
FOR DETAILS OF PIPE SUPPORTS SEE DRG.Nº BL-344-P

NOTE

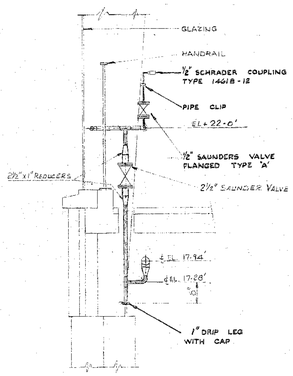
USE CRANE 501 CLIPS TO SUPPORT COMPRESSED AIR LINES

24 OFF ½" N.B
12 OFF 1" N.B

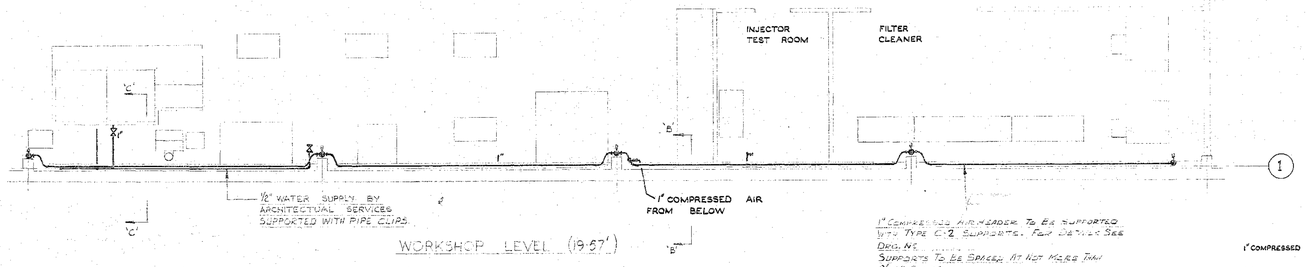




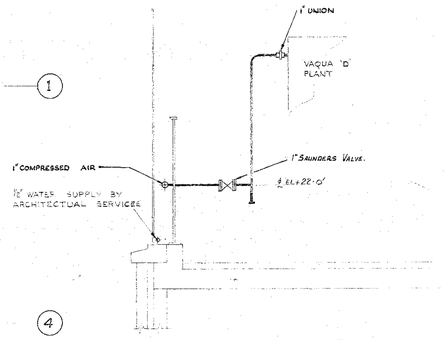
A'-A'



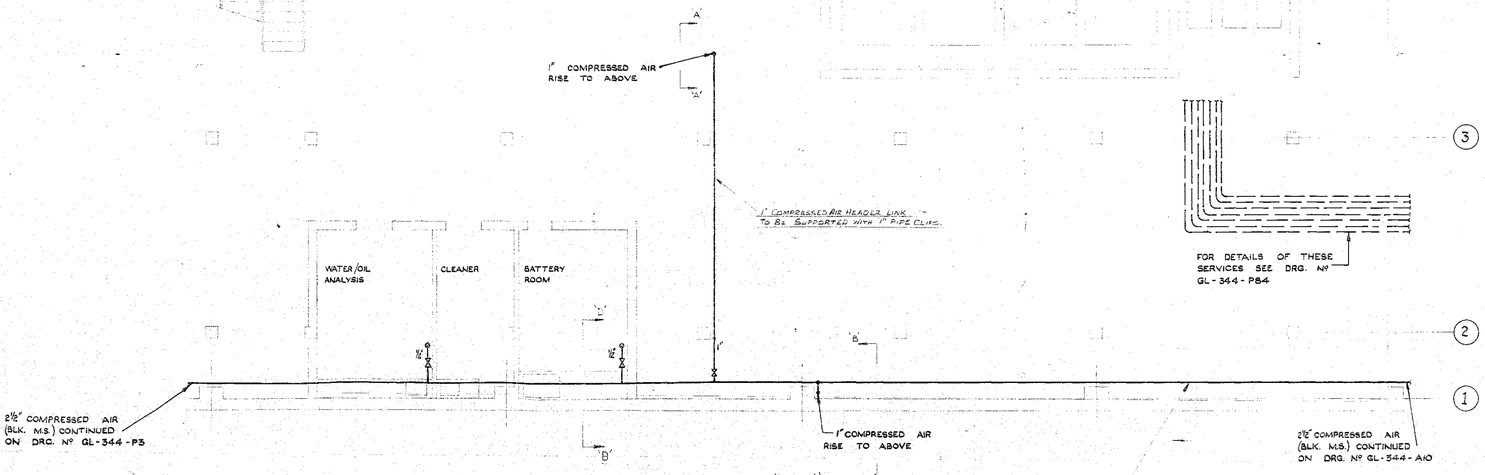
'B'-'B'



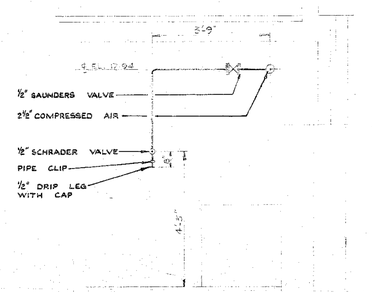
WORKSHOP LEVEL (19·57')



'C'-'C'



BASEMENT LEVEL (1·07')



'D'-'D'

26244

FOR CONSTRUCTION

RAILTRACK 181255LNE

REVISION	G.E.E. DRN	CH'D	C.DM	ENG	CL'T	DATE	ISS.
							A

CLIENT: BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING & MAINTENANCE DEPOT
ARRANGEMENT OF COMPRESSED AIR SERVICE THROUGHOUT CENTRE BLOCK

GEORGE WIMPEY & CO. LTD.
DEPT. 1, M. & E. ENGINEERING DIVISION,
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

SCALE	DRAWING NUMBER	ISSUE
1/16" & 1/8" to 1'-0"	GL - 344 - P62	A

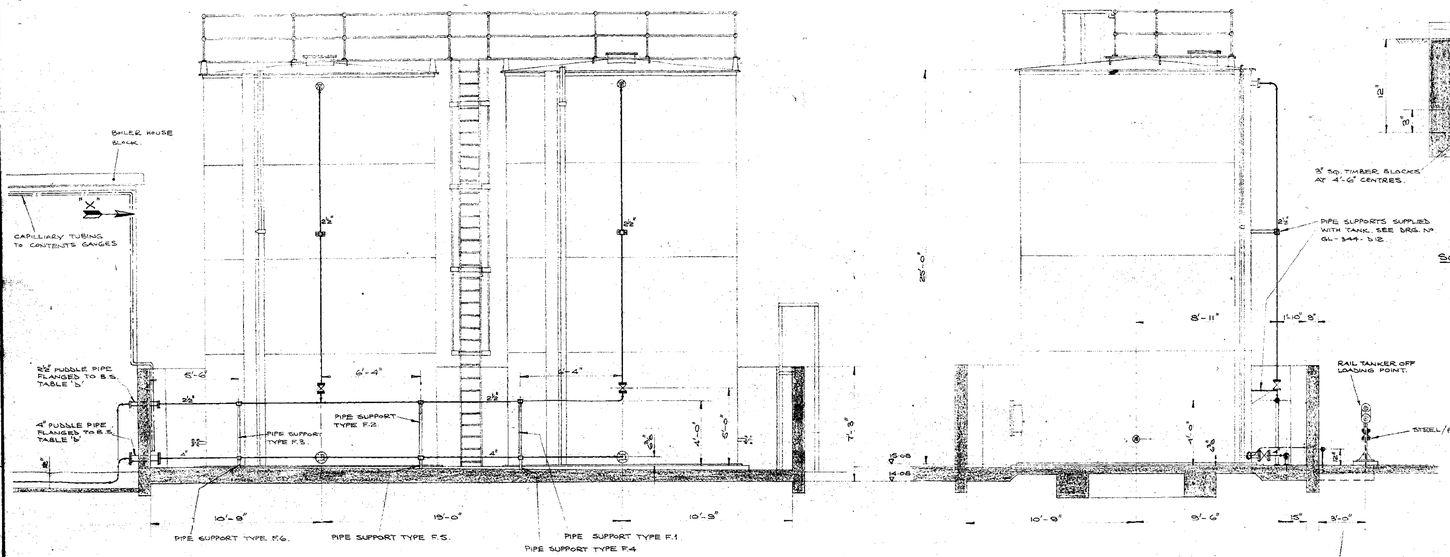
40 x 27 OVERALL

DRAWING NUMBER GL-344-P11

CONTRACT DRG. Nº 128

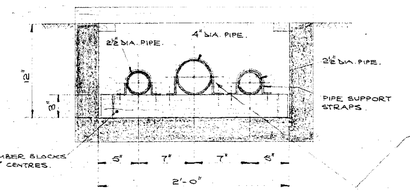
GENERAL PIPING SPEC. PIPE 'CHEMSUS' HEAVY GAUGE UNPLASTICISED P.V.C. TO B.S. 3506 1962.
VALVES. SAUNDERS C.I. FLANGED TYPE 'A' DIAPHRAGM. NON-RETURN CRANE C.I. FLANGED TYPE F.491
MECH. JOINTS. FLANGES TO B.S.10 PART 2. TABLE 'D'
GASKETS. ⅛" THK. COMPRESSED ASBESTOS FIBRE.
ASSEMBLY OF PIPEWORK & FITTINGS BY SOLVENT WELDING.
PIPEWORK AT OFF LOAD POINTS TO BE M.S. SOLID DRAWN HEAVYWEIGHT TO B.S. 1387 WITH M.S. FLANGES TO B.S. 10 PART 2 TABLE 'D' SLIP ON FLAT FACE. FITTINGS BUTT WELD TO B.S. 1965.

ELEVATION ON FUEL OIL STORAGE TANKS.
IN DIRECTION OF ARROW "A"
(FRONT BUND WALL OMITTED FOR CLARITY)

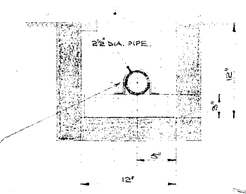


VIEW ON ARROW "X"

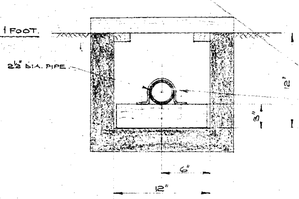
SECTION A-A



SECTION B-B

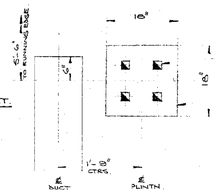


SCALE : 1½" TO 1 FOOT.

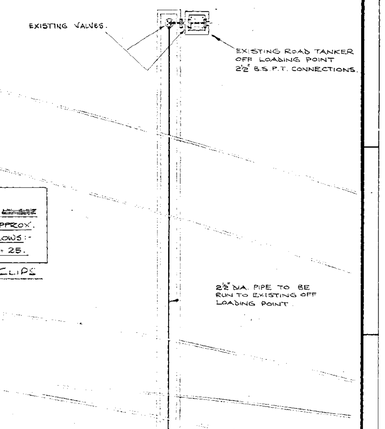


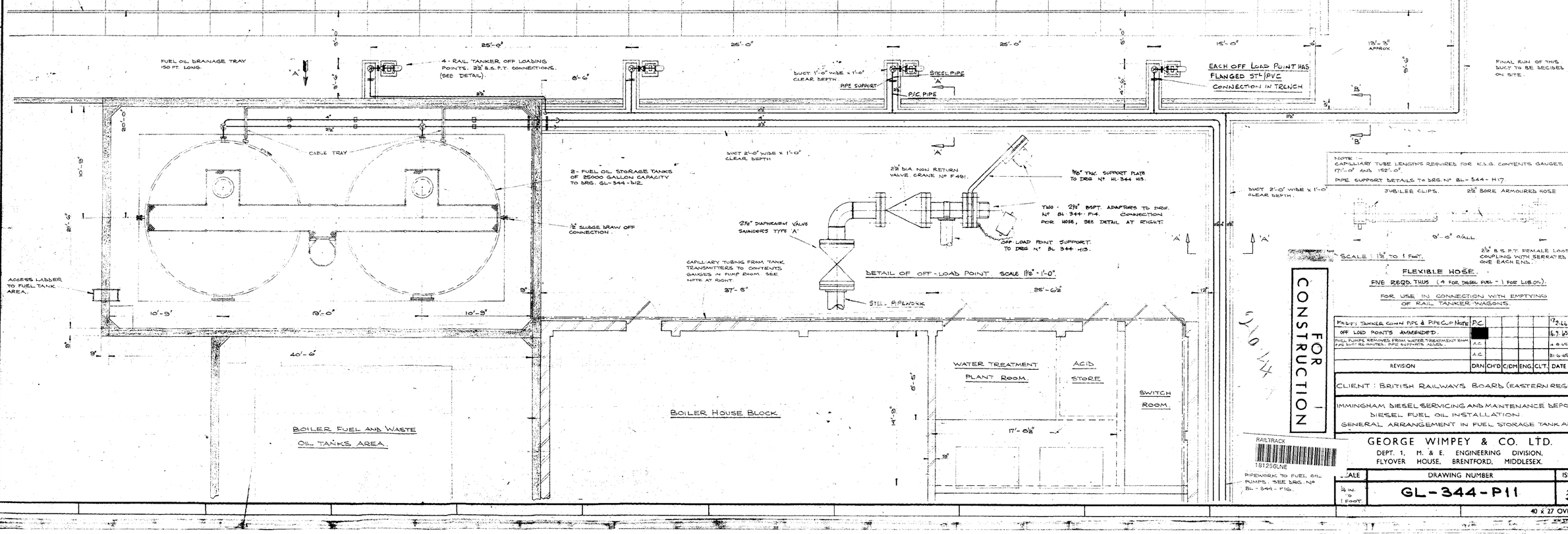
NOTE
THESE PIPE STRAPS TO BE MADE ~~FROM~~ FROM 1⅛" x ⅛" THK. FLAT STRIP. APPROX. NO OFF EACH REQUIRED AS FOLLOWS:-
2½" SIZE = 180. 4" SIZE = 28.
FOR DETAILS OF THESE CLIPS SEE DRG GL-344-H3.

SECTION C-C



DETAIL OF PLINTH FOR OFF LOAD SUPPORT.
SCALE : ¾ TO 1 FOOT.





REVISION	DRN	CH'D	C/DM	ENG.	CLT.	DATE	ISS.
Rail Tanker Conn Pipe & Pipe Cup Note	P.C.					17.2.66	3
OFF LOAD POINTS AMMENDED.						16.7.65	2
FUEL PUMPS REMOVED FROM WATER TREATMENT ROOM. PIPE RUNS RE-ROUTED. PIPE SUPPORTS ADDED.	A.C.					4.8.65	△
	A.C.					21.6.65	1

FOR CONSTRUCTION
5/10/66

CLIENT : BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING AND MAINTENANCE DEPOT.
DIESEL FUEL OIL INSTALLATION
GENERAL ARRANGEMENT IN FUEL STORAGE TANK AREA.

RAILTRACK 181250/NE

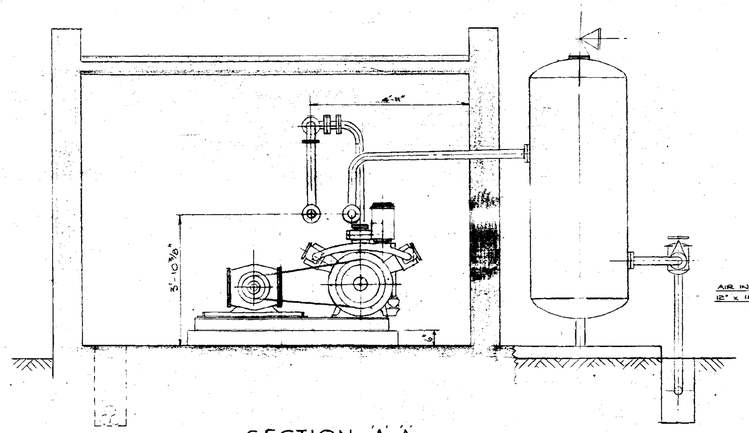
PIPEWORK TO FUEL OIL PUMPS. SEE DRG. Nº BL-344-P16.

GEORGE WIMPEY & CO. LTD.
DEPT. 1, M. & E. ENGINEERING DIVISION,
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

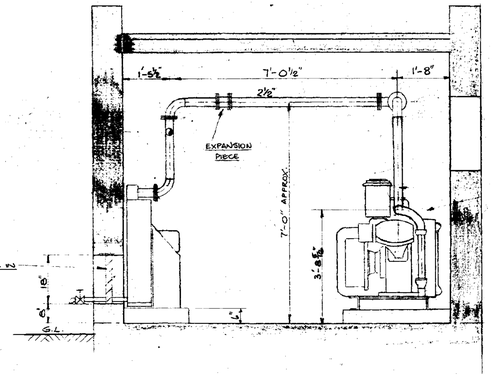
SCALE	DRAWING NUMBER	ISSUE
½ IN. TO 1 FOOT.	GL-344-P11	3

40 x 27 OVERALL

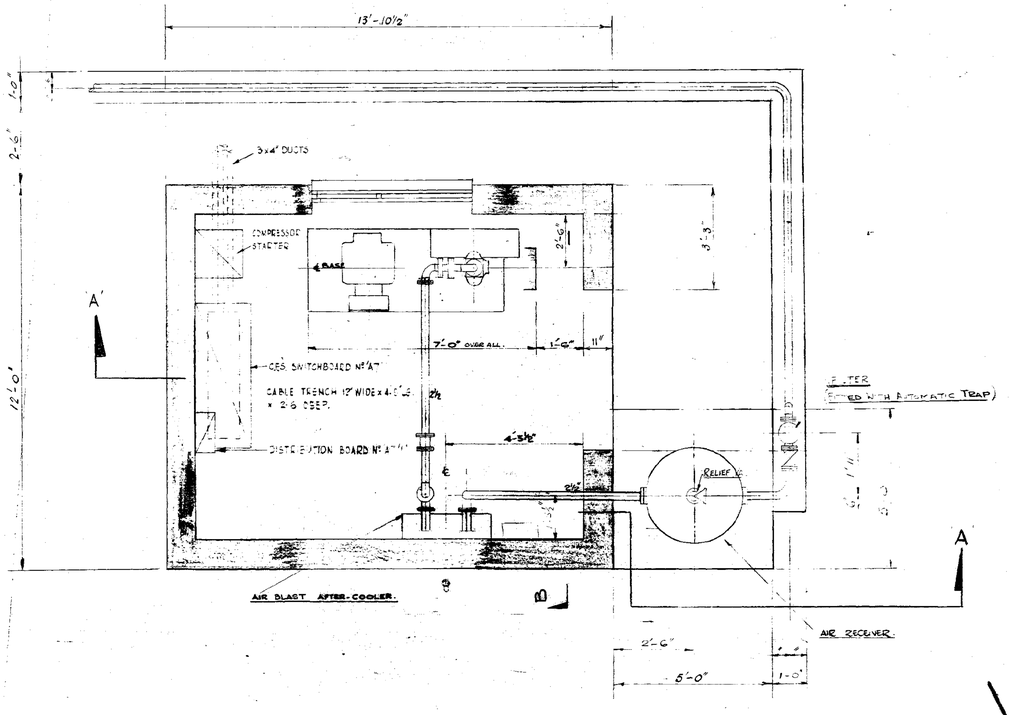
DRAWING NUMBER GL-344-P41



SECTION 'A-A'



VIEW ON 'B.B'



PLAN

FOR CONSTRUCTION

RAILTRACK
181257.LNE

REVISION	DRN	CH'D	C/DM	ENG.	CLT.	DATE	ISS.
ADD FILTER, MODIFY TRENCH TO SUIT	P.C.					13-7-66	2
						25-6-65	1

CLIENT: BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING & MAINTENANCE DEPOT.
ABRASIVE FINES COMPRESSOR HOUSE.
PIPING ARRANGEMENT.

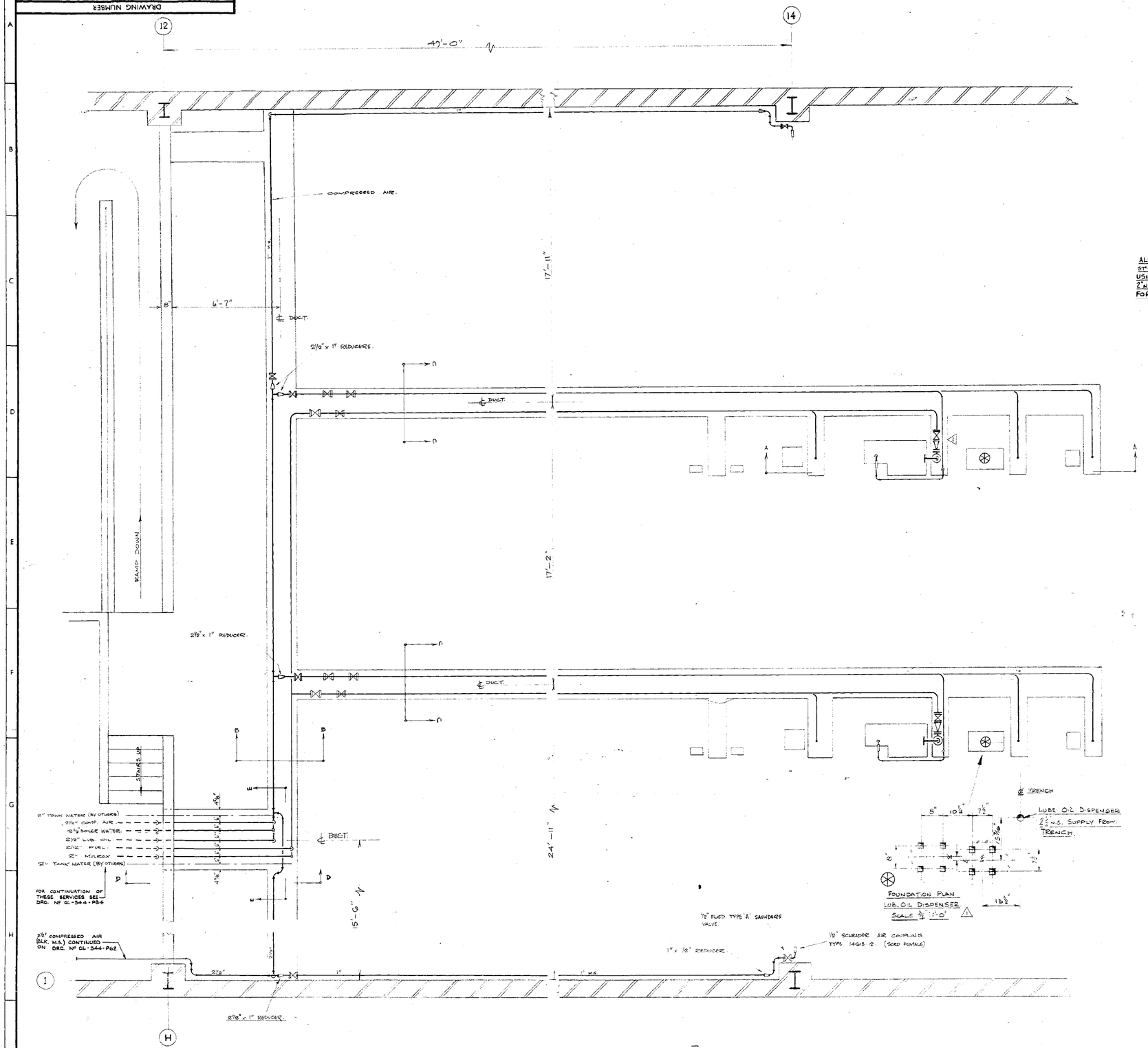
GEORGE WIMPEY & CO. LTD.
DEPT, 1,-- M. & E. ENGINEERING DIVISION,
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

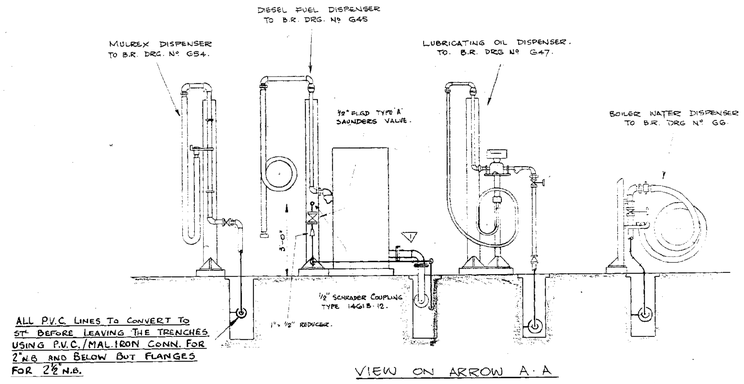
SCALE	DRAWING NUMBER	ISSUE
½" : 1 FT.	GL-344 - P 41	2

40 x 27 OVERALL

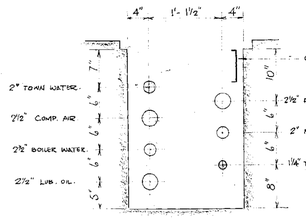
CONTRACT DRAWING Nº 127

DRAWING NUMBER

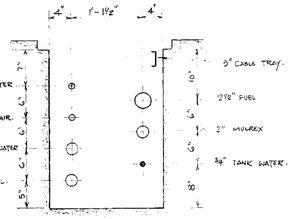




VIEW ON ARROW A-A

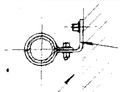


VIEW ON ARROW B-B

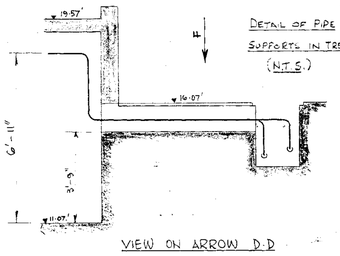


VIEW ON ARROW C-C

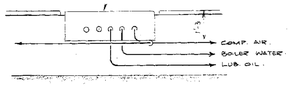
NOTE: SHADED PIPES SUPPLIED BY ARCH. SERVICES.



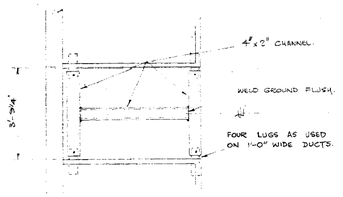
DETAIL OF PIPE SUPPORTS IN TRENCHES (N.T.S.)



VIEW ON ARROW D-D



VIEW ON ARROW E-E



VIEW ON ARROW 'F'
SHOWING DUCT COVER SUPPORT.

RAILTRACK
181258LNE

FOR CONSTRUCTION

REVISION	DRN	CH'D	C.DM	ENG	CL'T	DATE	ISS.
LUB. OIL FOUND. DET. ADDED, CHECK VALVE MOVED	P.C.					7/2/65	1
	[redacted]					25.10.65	0

CLIENT: BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICE & MAINTENANCE DEPOT.
LAYOUT OF PIPING IN SERVICE SHED.

GEORGE WIMPEY & CO. LTD.
DEPT. 1. M. & E. ENGINEERING DIVISION,
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

SCALE	DRAWING NUMBER	ISSUE
3/8" = 1'-0"	GL-344-P10	1

40 x 27 OVERALL

26244

2 ROWS OF 1" DIA SOLID BAR HANDRAIL SUPPORTED ON F.S. HANDRAIL STANDS

CAGED ACCESS LADDER. SEE DETAIL

6" 2½" BORE INLET PIPE

6" 2½" BORE INLET PIPE

12" 6'-3" 6'-2" 12" 4'-6" 12" 6'-2" 6'-2" 12"

19'-0" CRS

14'-6" DIA

14'-6" DIA

35'-0" DEEP

3" × 3" × ⅜" ANGLE STAYS. SEE DETAIL OF CLEATS

"VAREC" LIQUID LEVEL INDICATOR FIG 670 GRADUATED IN GALLS

"VAREC" LIQUID LEVEL INDICATOR FIG 670 GRADUATED IN GALLS

EARTHING BOSS

6"

EARTHING BOSS

6"

¾" SOCKET & PLUG FOR K.D.G. CONTENTS GAUGE.

4" BORE OUTLET BRANCH

CONCRETE BLOCK CAST TO SUIT

¾" SOCKET & PLUG FOR K.D.G CONTENTS GAUGE.

4" BORE OUTLET BRANCH.

DETAILS OF ACCESS LADDER

PLATFORM HANDRAIL BUTTWELDED TO STRINGERS

LADDER STRINGER CENT HER AS SHOWN AND BITE WELDED TO PLATFORM.

4-¾" DIA RUNGS.

1'-3"

3" × 2" × ⅜" ANGLE STAYS.

5" × 3" × ⅜" ANGLE STAY LENGTH TO BE OBTAINED FROM SETTING OUT.

SITE WELD

¾" DIA RUNGS. 39 - REQUIRED

⅜ TK RATE GUSSET

LADDER STAY GUSSET 4 - REQ'D THUS.

2" × ½" FLAT STRINGERS.

23'-4¼"

9'-0"

9'-10½"

9'-10½"

CAGE FROM 2" × ½" FLAT SHOP FABRICATED

1'-6"

1'-6"

2'-0"

3" × ¾ DIA GUNGS

SHOP WELD ½" TK RATE TO STRINGERS.

SITE WELD.

LADDER STRINGERS C.S. ANGLED THUS.

½" 2'-0" ½"

1½" 1'-4" 1½"

ENLARGED DETAIL OF LADDER TO PLATFORM

2'-1½"

2'-1½"

CAGE HOOPS 1 - REQ'D AT 2'-0" 1 - " AS 3'-0"

CAGE HOOPS 2 - REQ'D

2" × ¼" FLAT

2" × ¼" FLAT

2" × ½" FLAT

⅜ DIA GUNG.

SHOP WELD

SECTION THRO LADDER STRINGER

G'-5½"

3'-2¾" 3'-2¾"

2-11¾" 4" 2-11¾"

2" 2" 2"

3" × 2" × ⅜" ANGLE

3" × 2" × ⅜" TEE

ALL ⅝" DIA HOLES FOR ⅝" BOLTS.

3'-6" TEE TOP FLANGE MATCHED AND WELDED IN "BB"

EQUAL EQUAL

2'-9"

2½" HOLE FOR ⅝" BOLT

6" × 3" × ⅜" ANGLE

FLOWFORGE FLOORING 1" × ⅛" LOAD BEARING BARS 1¾" PITCH.

DETAILS OF PLATFORM PANEL (F2) 1-REQ'D THUS

13'-5¾" OVER PLATFORM FLOORING 13'-5"

10¾" 3'-5¾" 4" 3'-5¾" 1'-8½" 3'-5¾" 1'-8½" 4" 2'-5¾" 1½"

3" × 3" × ⅜" TEES NOTCHED INTO BEARERS.

ALL ⅝" DIA HOLES FOR ⅝" BOLTS.

3'-4½" 3'-4½" 3'-4½" 3'-4½"

NOTCH 4⅜" DEEP IN 6" × 3" × ⅜"

2'-6" 1'-1" 2'-6"

2'-4½"

2'-0"

CORNERS MITRED WHERE SHOWN.

5'-7½"

6" × 3" × ⅜" ANGLE BEARERS.

4'-7¼"

FLOWFORGE FLOORING 1" × ⅛" LOAD BEARING BARS 1¾" PITCH

ROOF MANHOLE OPENING

1'-7½" 1'-7½"

3'-3"

DETAILS OF PLATFORM PANEL (F1) 1-REQ'D THUS

~SIDE ELEVATION~

20" BORE SHELL MANHOLE

20" BORE SHELL MANHOLE

CAGED ACCESS LADDER.

FLOWFORGE OPEN STEEL PLATFORM FLOORING.

SLUDGE DRAW-OFF SUMP

5'-10¼"

5'-10¼"

2'-6"

2'-6"

STARTING MARK

20" ROOF MANHOLE WITH DIP HATCH

STARTING MARK

20" ROOF MANHOLE WITH DIP HATCH

SLUDGE DRAW-OFF SUMP.

1'-6"

1'-6"

"VAREC" LIQUID LEVEL INDICATOR FIG Nº 670.

"VAREC" LIQUID LEVEL INDICATOR FIG Nº 670.

EARTHING BOSS.

EARTHING BOSS

15° 15° 15° 15°

1'-10⅛" 1'-10⅛" 1'-10⅛" 1'-10⅛"

K.D.G. CONTENTS GAUGE CONNECTION.

K.D.G. CONTENTS GAUGE CONNECTION

℄ INLET & OUTLET BRANCH.

℄ INLET & OUTLET BRANCH.

SIZES GIVEN ON OUTSIDE OF TANK SHELL.

SIZES GIVEN ON OUTSIDE OF TANK SHELL.

~PLAN ON TANKS~

NOTES.

F.B.S. TO SUPPLY ONE FLEXIBLE DIP TAPE GRADUATED IN INCREMENTS OF 100 AND 500 GALLONS

FOR DETAILS OF TANKS SEE DRG Nº 8850/1

F.B.S. TO SUPPLY K.D.G CONTENTS GAUGES FOR TANKS EACH WITH [redacted] CAPILLARY TUBING AND TRANSMITTER WITH CHECK VALVE FOR FITTING TO ¾" B.S.P. TANK SHELL SOCKET.

CONTENTS GAUGES HANDED OVER ON SITE FOR INSTALLATION BY OTHERS.

CAPILARY LENGTH 171'-0" No 1. TANK

" " 152'-0" No 2 TANK

BALLS DRILLED TO SUIT 1" DIA SOLID BAR HANDRAIL

1'-0"

1'-2⅝"

1" OFFSET

6"

4"

2-⅝" DIA HOLES FOR ⅝" BOLTS.

6" × 2½" PALM BASE

DETAILS OF F.2 HANDRAIL STAYS 17-REQ'D THUS

½" DIA RUNG

1'-6"

1'-6"

2'-0"

1'-6"

1'-6"

1" DEEP FLOORING

1½" 3½" 1½"

1½" BAR

6½" × 3" × ⅜" ANGLE

1¼" 1¼" 2¾" 1¼"

⅜" TK BASE PLATE SHOP WELDED TO 4" × 2" × ⅜"

¾" × 1½" SLOT HOLES IN GUSSETS FOR ⅝" BOLTS.

SITE WELD.

9"

12"

4" × 2" × 7.09 LB/FT CHANNEL PLATFORM SUPPORTS, LENGTH AND SLOPE OF EDGE TO BE OBTAINED ON SITE.

⅜" TK BASE PLATE SITE WELDED TO BASE PLATE

SECTION "CC"

DETAILS OF PLATFORM SUPPORTS 10 - REQUIRED.

FLOWFORGE FLOORING 1" × ⅛" LOAD BEARING BARS 1¾" PITCH.

13'-2¾" OVER PLATFORM FLOORING 13'-2"

1½" 2'-5½" 4" 1'-8½" 3" 1'-8½" 3" 1'-8½" 3" 3'-5¼" 3'-10½"

3" × 3" × ⅜" TEES NOTCHED INTO BEARERS.

ALL ⅝" DIA HOLES FOR ⅝" BOLTS.

3'-4½" 3'-4½" 3'-4½"

NOTCH 4⅜" DEEP IN 6" × 3" × ⅜"

2'-6" 2'-4½" 2'-0"

4'-7¼"

6" × 3" × ⅜" ANGLE BEARERS.

5'-7½"

CORNERS MITRED WHERE SHOWN.

ROOF MANHOLE OPENING

1'-7½" 1'-7½"

3'-3"

DETAILS OF PLATFORM PANEL (F3) 1-REQ'D THUS

FINAL PRINT

			10.10.67
	F LADDER ALTERED		
	PLATFORM MODIFIED		6.7.05
REV	DESCRIPTION	BY	DATE

Q 5274

IMM 6/3/17

DETAILS OF ACCESS LADDER & PLATFORM FOR 2 DIESEL OIL STORAGE TANKS.

YOUR ORDER/ P. ORDER ORDER Nº 801/2241/D1-A2/0

GEC WIMPEY [redacted] - IM2

3" × ¾" SUBSTITUTE PLANT

RAILTRACK 181259LNE

VL 80/3 Yor D1 - A1/2

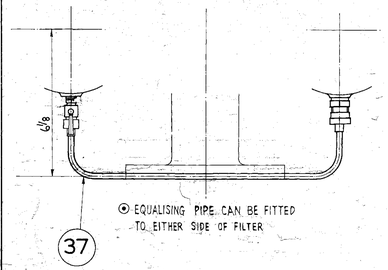
F172

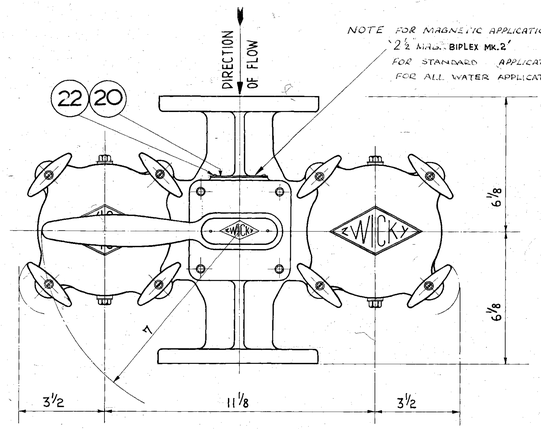
RUTH BLAKELEY, SONS & CO. LIMITED. CHURCH FENTON. YORKSHIRE.

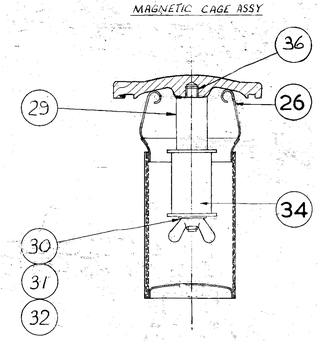
DRAWN BY	D.	CHECKED BY	[illegible]
TRACED BY		DATE	17.3.67
DRG. NO.	8852/1		

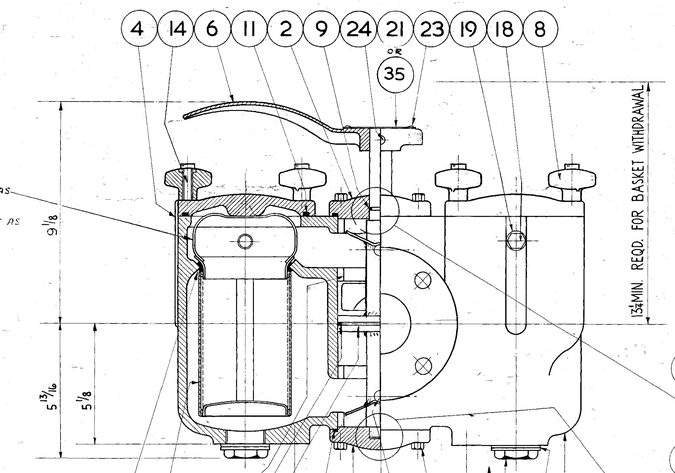
THIRD ANGLE PROJECTION

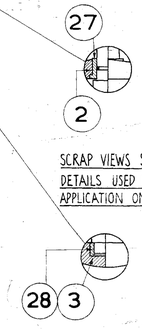
ALL SHARP EDGES AND BURRS TO BE REMOVED



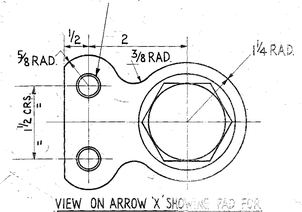








2 - SETS OF 2 HOLES TAPPED ½ UNC. x ⅝ DEEP. FOR FOOT MOUNTING



VIEW ON ARROW 'X' SHOWING PAD FOR FOOT MOUNTING
SCALE: FULL SIZE

FLANGE DETAILS MATERIAL		NOT MACHINED	TABLE ' '	TABLE 'D'	TABLE	TABLE 'H'	CLASS 125 A.S.A. OR B.S. 1560	CLASS 150 F.F. A.S.A. OR B.S. 1560
ALL	STOCK Bk. No.	F. 2780		F. 2782		F. 2784		
FERROUS	DRAWING No.	12387/F-U		12387/F-D		12387/F-H	12387/F-125	12387/F-150
WATER	STOCK Bk. No.	F. 4057		F. 4058		F. 4059		
APPLICATION	DRAWING No.	12387 W-U		12387 W-D		12387 W-H	12387/W-125	12387/W-150
MAGNETIC	STOCK Bk. No.	F. 4186		F. 4187		F. 4188		
(STD)	DRAWING No.	12387/M-U		12387/M-D		12387/M-H	12387/M-125	12387/M-150
MAGNETIC	STOCK Bk. No.	F. 4189		F. 4190		F. 4191		
(WATER)	DRAWING No.	12387/MW-U		12387/MW-D		12387/MW-H	12387/MW-125	12387/MW-150

NOTES:
TEST PRESSURE 500 P.S.I.
MATERIALS FOR ITEM MARKED THUS * TO BE SPECIFIED AS REQUIRED.
ITEMS MARKED THUS ⊙ SEE EQUALISING PIPE.
WORKING PRESSURE 250 P.S.I. (NON-SHOCK)

NO. OFF ITEMS PER ASSY P.L.	P.L.	P.L.	P.L.	P.L.	ITEM NO.	STOCK BK. NO.	DRAWING NO.	DESCRIPTION	MATERIAL	SPEC.
PV.108 MS	PV.108 MS	PV.108 MS	PV.108 MS	PV.108 MS						
(WATT)	(STD)									
ASSY AT	ASSY AT	ASSY AT	ASSY AT	N/D						
NO. 2 IN. ASS. 2	NO. 1 ASS. 1	NO. 2 ASS. 2	NO. 1 ASS. 1							
	1		1		1	B.47	12428	BODY	C.I.	BS.1452 GRADE 14
1		1					12428/1	BODY	C.I.	BS.1452 GRADE 14
	1		1		2	C.123	34418/3	COVER, VALVE, TOP	C.I.	BS.1452 GRADE 14
1		1					35391/3	COVER, VALVE, TOP.	C.I.	BS.1452 GRADE 14
	1		1		3	C.101	34419/3	COVER, BOTTOM	C.I.	BS.1452 GRADE 14
1		1					36392/3	COVER, BOTTOM.	C.I.	BS.1452 GRADE 14
		2	2		4	C.66	34402/3	COVER, CAGE	C.I.	BS.1452 GRADE 17
2	2						34402/5	COVER CAGE	CI	BS.1452 GRADE 17
	2		2		5	V.29	34421/3	VALVE	SPUN C.I.	BS.1452 GRADE 14
2		2					35873/3	VALVE	ALUMINIUM BRONZE	BS.1400 AB2-C
1	1	1	1		6	H.6	34431	HANDLE	BRASS	B.S.218
1	1	1	1		7		35130/4	SPINDLE VALVE	COMP. DETAIL	PARKER LUBRIZE.
8	8	8	8		8	N.79	53780/3	NUT, WING.	M.I.	BS.309 GRADE 2
1	1	1	1		9	R.16	N.D.	'O' RING OS-13	SYN. RUBBER 80 SHORE	L01/B OR EQUIV.
2	2	2	2		10	R.21	N.D.	'O' RING OS-42	SYN. RUBBER 80 SHORE	CR1710 OR EQUIV.
2	2	2	2		11	R.19	N.D.	'O' RING OS-54	SYN. RUBBER 80 SHORE	L01/B OR EQUIV.
2	2	2	2		12	R.18	N.D.	'O' RING OS-44	SYN. RUBBER 80 SHORE	L01/B OR EQUIV.
1	1	1	1		13	R.28	N.D.	'O' RING OS-40	SYN. RUBBER 80 SHORE	L01/B OR EQUIV.
8	8	8	8		14	S.133	N.D.	SCREW SET. CH. HD 3/8 UNC. x 2¼ LG.	STEEL	EN.16R
8	8	8	8		15	B.161	N.D.	BOLT. HEX. HD 3/8 UNC. x 1 LG.	STEEL	EN.16R
	2		2		16	PV108 MS	PV108 MS	PLUG, DRAIN	STEEL	G.C.Q.
2		2				PV108 BI	PV108 BI.	PLUG, DRAIN	BRASS	BS249
2	2	2	2		17	W40	S2665/7	WASHER	NYLON	G.C.Q.
	2		2		18	P.2	53812/1	PLUG, BLEED	STEEL	G.C.Q.
2		2				P.235	53812/1/B	PLUG, BLEED	BRASS	BS249
4	4	4	4		19	W.23	S2665/1	WASHER	NYLON	G.C.Q.
1	1	1	1		20	P.184	51983	PLATE, NAME	ALUM. ALLOY	BS.1470 S1B.X
	1		1		21	P.16	30194/A	PLATE, INSTRUCTION.	BRASS	G.C.Q.
4	4	4	4		22	S.181	N.D.	SCREW, HAMMER DRIVE	STEEL	(PK TYPE USIZE 0 x 3/16 LG.
2	2	2	2		23	S.135	N.D.	SCREW, HAMMER DRIVE	STEEL	(PK TYPE USIZE 6 x ¼ LG.
1	1	1	1		24		28-01-08 -12-2	PIN TENSION ¼ DIA. x 1¼ LONG	STEEL	G.C.Q. CAP PLTP. RED 904
2	2	2	2		25		55169/3S	PIN, VALVE 7/16 DIA. x 3¼ LONG	ST. ST.	BS.970 EN.58M
			2		26	-	34403/4	FILTER BASKET 30 MESH	COMPOUND DETAIL	
2	2	2					34403/5	FILTER BASKET	COMPOUND DETAIL	
1		1			27	B.309	54375/1	BUSH, HEADED	PHOS. BRONZE	BS.1400 LPB1-C
1		1			28	B.304	54373/3	BUSH, BEARING	PHOS. BRONZE	BS.1400 LPB1-C
2	2				29		54653/1	DISTANCE PIECE	ST. ST.	BS.970 EN.58M.
2	2				30		54654/1	SPINDLE	ST. ST.	BS.970 EN.58M.
2	2				31		N.D.	WINGNUT ½" UNF.	ST. ST.	
2	2				32		N.D.	WASHER, PLAIN ½"	ST. ST.	(BS.SP.19 N. BROWN BRO.
					33					
2	2				34	M.4	N.D.	MAGNETIC ASSY. WITH SHEATH	PHILLIPS ELEC. LTD.	TYPE 7734
1		1			35		35266/A	INSTRUCTION PLATE	BRASS	G.C.Q.
					36			LOCTITE GRADE AV OR EQUIV.		AS REQ'D.
1	1	1	1		37		34844/5	EQUAL PIPE	COPPER PIPE & BRASS FITTINGS	

NOTE:-
DRG. No. 12387/F ISSUE 9 IS SEALED

ISSUE	DATE	A/S NO.
1	8-2-60	2098
2	24-3-60	2128
3	14-4-60	2166
4	9-5-60	2225
5	[illegible]	[illegible]

ISSUE	DATE	A/S NO.
6	15-10-60	2387
7	28-10-60	2396
8	22-11-60	2416
9	[illegible]	[illegible]

ISSUE	DATE	A/S NO.
10	10-5-61	2487
11	18-7-61	2508
12	6-11-61	2555

DRAWN	A.A.R. KAST	8.2.60
TRACED	P.E. McAVOY	26.10.60
CHECKED	J.R. HILLS	14.3.60
APPROVED		

ASSEMBLIES USED ON	PROJECTS USED ON	PATTERN NO.	MATERIAL	MATERIAL SPECIFICATION	PROTECTIVE FINISH
	1	STOCK BOOK NO.			
	2				
	3				
	4				

TOLERANCES
All fractional dimensions unless otherwise specified to be within ±
All decimal dimensions unless otherwise specified to be within ±

DIMENSIONS IN INCHES — SCALE ½ & ⅓

ZWICKY LTD. TRADING ESTATE

TITLE: 2½" BIPLEX FILTER DIESEL OIL

RAILTRACK 181262LNE

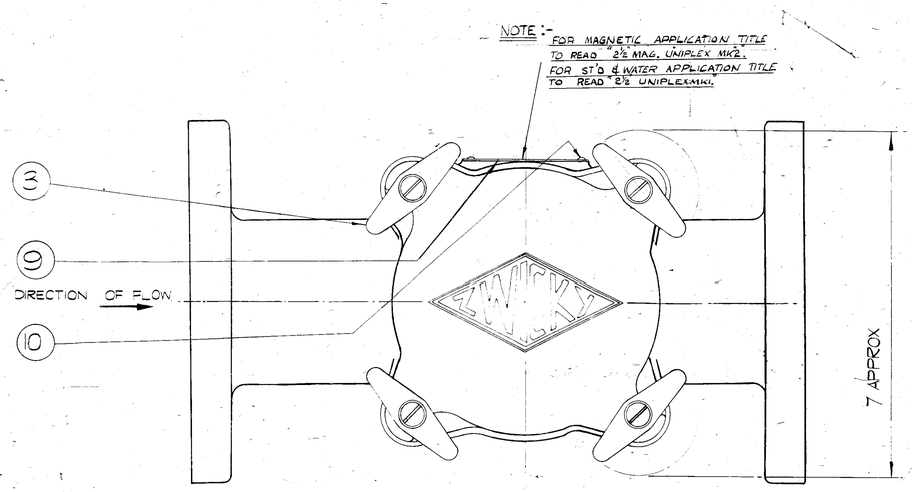
Inm 6/31

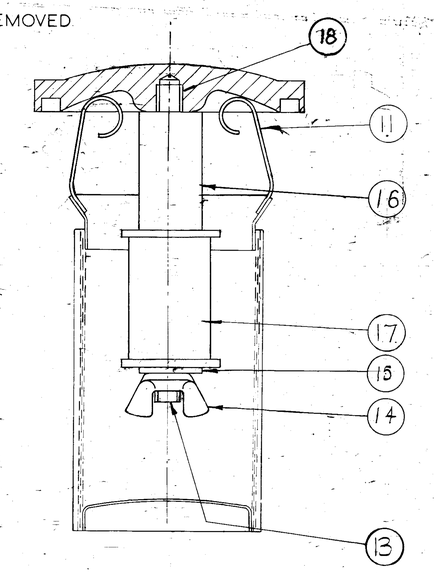
F 72

F-D-3

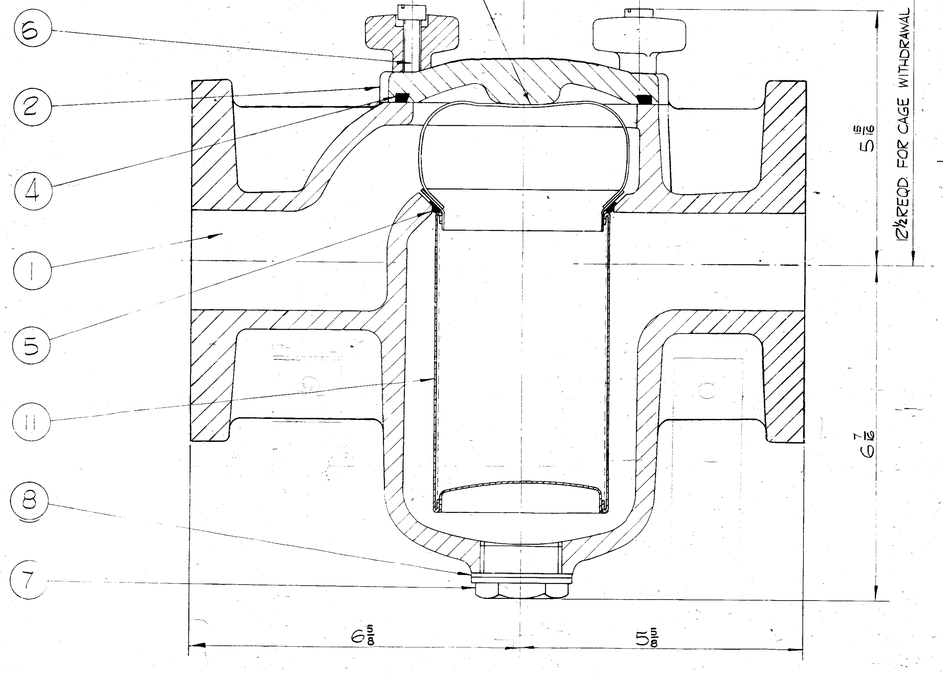
THIRD ANGLE PROJECTION

ALL SHARP EDGES AND BURRS TO BE REMOVED





NOTE:- FOR ST'D APPLICATION CAGE AS SHOWN FOR WATER APPLICATION CAGE IS SAME AS FOR MAGNETIC ASSY.



FLANGE DETAILS		NOT MACHINED	TABLE 'B'	TABLE 'D'	TABLE 'E'	TABLE 'H'	CLASS 125 A.S.A. OR B.S.1560	CLASS 150 F.F. A.S.A. OR B.S.1560
MATERIAL								
ALL FERROUS	STOCK BOOK No.	F2730		F2732		F2734		
	DRAWING No.	12407/F-J		12407/F-D		12407/F-H	12407/F-125	12407/F-150
WATER APPLICATION	STOCK BOOK No.	F4021		F4022		F4023		
	DRAWING No.	12407 W-J		12407 W-D		12407 W-H	12407/W-125	12407/W-150
MAGNETIC (STD.)	STOCK BOOK No.	F4114		F4115		F4116		
	DRAWING No.	12407/M-J		12407/M-D		12407/M-H	12407/M-125	12407/M-150
MAGNETIC (WATER)	STOCK BOOK No.	F4117		F4118		F4119		
	DRAWING No.	12407/MW-J		12407/MW-D		12407/MW-H	12407/MW-125	12407/MW-150

NOTE:- MATERIAL FOR ITEM MARKED THUS :- * TO BE SPECIFIED AS REQD.

TEST PRESSURE 500 P.S.I.
WORKING PRESSURE 250 P.S.I. (NON-SHOCK)

NO. OF ITEMS PER ASSEMBLY				ITEM NO	STOCK BOOK NO	DRAWING NO	DESCRIPTION	MATERIAL	SPEC	FINISH
F.P. MAGNETIC WATER APPL. MK2	F.P. MAGNETIC STD APPL. MK2	F.P. WATER APPL. MK1	ALL F. FERROUS APPL. MK1							
1	1	1	1	1	B43	12125	BODY	C.I.	BS.1452 GRD. 17	
		1	1	2	C66	341023	COVER, CAGE	C.I.	BS.1452 GRD. 17	
1	1					341025	COVER, CAGE	C.I.	BS.1452 GR. 17	
4	4	4	4	3	N79	537803	NUT, WING.	M.I.	BS809 GRD. 2	
1	1	1	1	4	R19	N.D.	'O' RING OS 54	SYN. R. BSBR BS 5-00E	L.01/8	OR EQUIV.
1	1	1	1	5	R21	N.D.	'O' RING OS 42	SYN. R. BSBR BS 5-00E	CRITO	OR EQUIV
4	4	4	4	6	S133	N.D.	SCREW, CH HD 3/8 B.S.W. x 2¼ LG.	STEEL	BS970 EN 32A	
		1	1	7	P108/8	P108WS1	PLUG, DRAIN	STEEL	S.O.Q.	
1	1				P108/8	P108B..	PLUG, DRAIN	BRASS	BS249	
1	1	1	1	8	W40	52665/7	WASHER	NYLON	–	
1	1	1	1	9	P184	51983	PLATE, NAME	ALUM. ALLOY	BS1470 S.B.1	
4	4	4	4	10	S181	N.D.	SCREW, HAMMER DRIVE	BY TYPE & SIZE O.A.S.G.		
			1	11	-	341034	FILTER BASKET 120 MESH	COMPOUND DETAIL	–	
1	1	1			-	341034/5	FILTER BASKET	COMPOUND DETAIL	–	
				12						
1	1			13		54654/1	SPINDLE		BS970 EN 32AM	
1	1			14		N.D.	WINGNUT, ½ UNF	ST. ST.		
1	1			15		N.D.	WASHER PLAIN ½	ST. ST.	(B.S. SP19N BROWN BROS.)	
1	1			16		54653/1	DISTANCE PIECE	ST. ST.	AS 3Y12 EN 58AM	
1	1			17	M4	N.D.	MAGNETIC ASSY WITH BREATH TYPE 1732/22	PHILLIPS ELECTRICAL LTD)		
				18			LOCTITE GRADE AN OR AVV.	AS REQ'D.		

ISS.	DATE	A/S NO	ISS.	DATE
1	10.2.60	2098	6	27.3.61
2	21.3.60	2128	7	23.5.61
3	14.4.60	2166	8	5.9.61
4	18.5.60	2226	9	22.11.61
5	22.7.60	2218	10	28.12.61

27-66-3743
4.11.63 4500

DRAWN	A.A.S. KAST	10.2.60	
TRACED	D. PAGE	5.4.60	
CHECKED	DRG. OR HEADS	13.6.60	
	TRG. W.N. GILES	17.6.60	
APPROVED	H. HUGGINS		

ASSEMBLIES USED ON

PROJECTS USED ON

PATTERN NO.	
STOCK BOOK No.	
MATERIAL	
MATERIAL SPECIFICATION	
PROTECTIVE FINISH	

ALL TRADITIONAL DIMENSIONS UNLESS OTHERWISE SPECIFIED TO BE WITHIN ± ALL METRIC DIMENSIONS UNLESS OTHERWISE SPECIFIED TO BE WITHIN ±

TOLERANCES

DIMENSIONS IN INCHES

SCALE

ZWICKY LTD. TRADING ESTATE SLOUGH

TITLE 2½ UNIPLEX FILTER (DIESEL OIL)

IMM 6/3/17

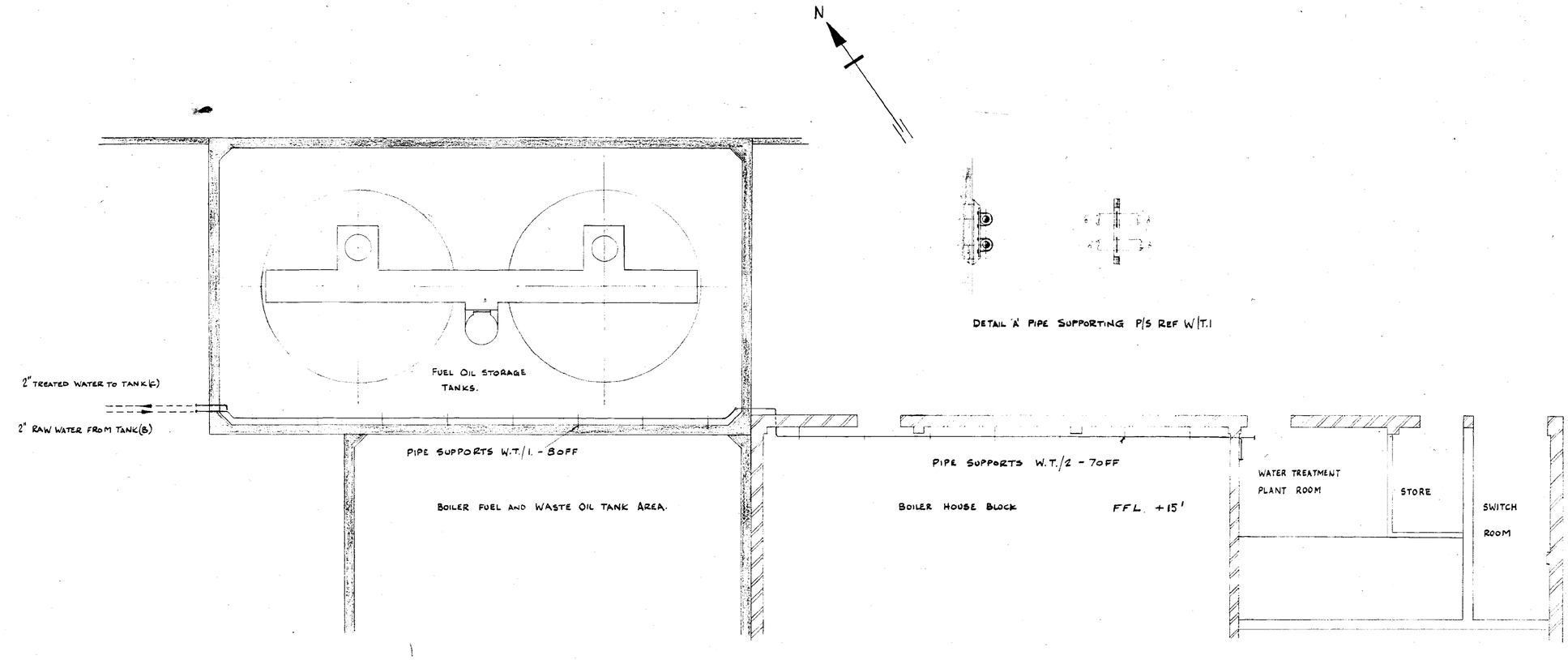
F-D-120

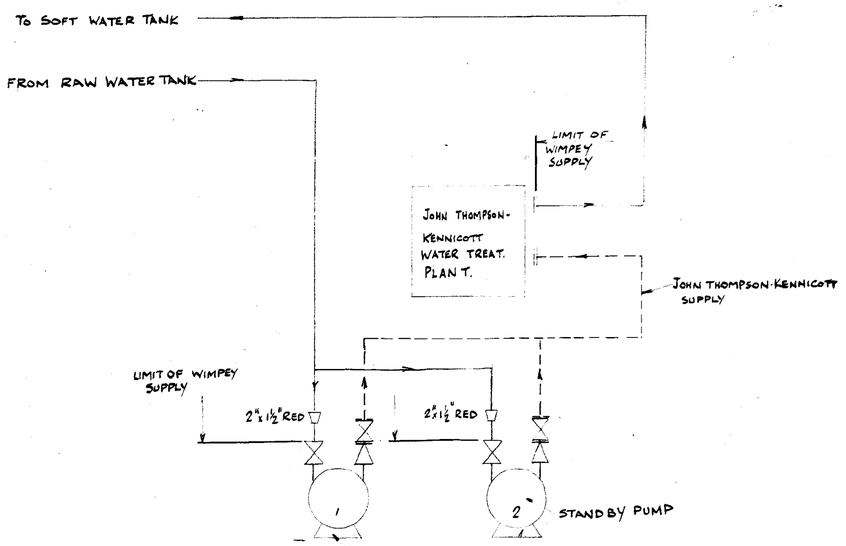
F172

VL 501-344 - H002 A/C

RAILTRACK
1813/33JNE

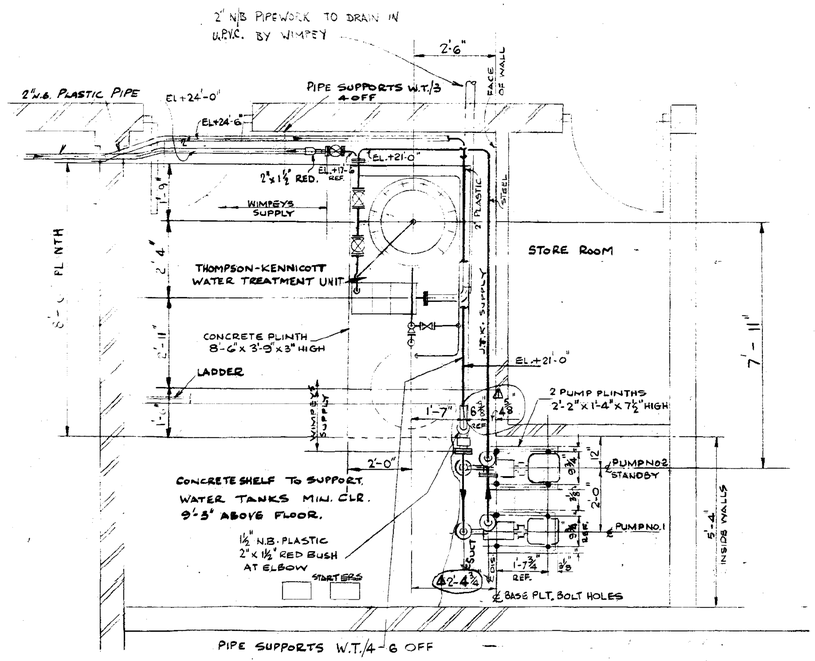
DRAWING NUMBER
GL·344·D93





2 PUMPS (J. THOMPSON-KENNICOTT SUPPLY).

DIAGRAMMATIC ARRGT OF WATER TREATMENT PLANT ROOM PIPEWORK AND EQUIPMENT.



PLAN OF WATER TREATMENT PLANT ROOM
SCALE ½" : 1'-0"

NOTES
1. FOR PIPEWORK DETAILS OF WATER TOWER SEE DRG GL·344·D92.
2. FOR PIPE SUPPORT DETAILS OF WATER TOWER AND WATER TREATMENT ROOM SEE DRG Nº GL·344·D95

RAILTRACK
181265LNE

REVISION	DRN	CH'D	C.DM	ENG.	CL'T.	DATE	ISS.
℄ BASE EXCHANGE TO PUMP NOW 2'-4¾"							△
	P.C.						△

CLIENT: BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING AND MAINT. DEPOT
WATER TREATMENT PLANT AND ASSOCIATED PIPEWORK.

GEORGE WIMPEY & CO. LTD.
DEPT. 1, M. & E. ENGINEERING DIVISION,
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

SCALE	DRAWING NUMBER	ISSUE
½":1'-0" ¼":1'-0"	GL · 344 · D93	Φ

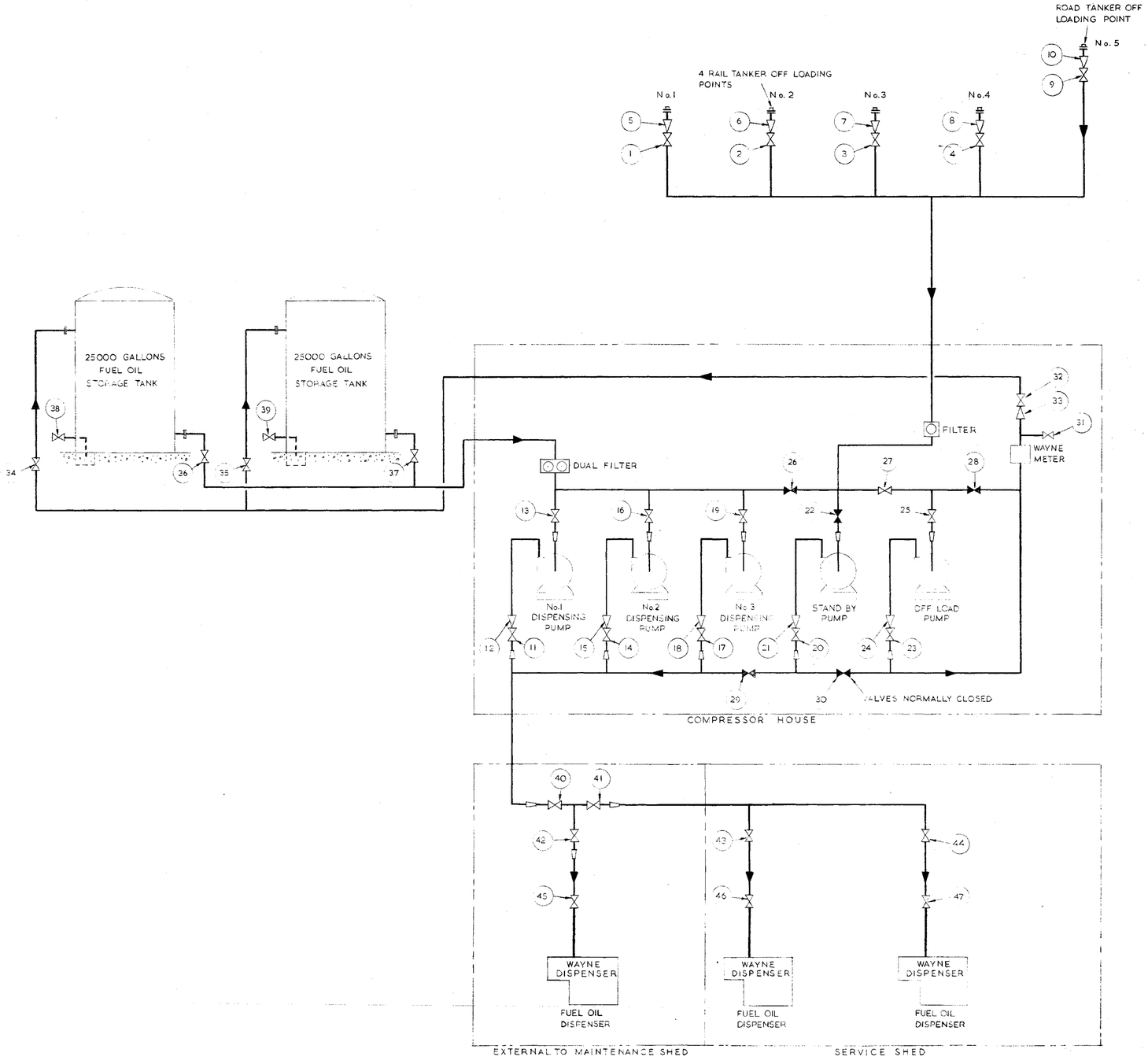
40 x 27 OVERALL

DRAWING NUMBER

VALVE SCHEDULE

VALVE NO	SERVICE	DUTY	LOCATION
1-4 INCL.	FUEL OIL	IV	RAIL TANKER OFF-LOADING POINT
5-8 INCL.	"	NRV	RAIL TANKER OFF-LOADING POINT
9	"	IV	ROAD TANKER OFF-LOADING POINT
10	"	NRV	ROAD TANKER OFF-LOADING POINT
11	"	IV	NO.1 PUMP DISCHARGE
12	"	NRV	NO.1 PUMP DISCHARGE
13	"	IV	NO.1 PUMP SUCTION
14	"	IV	NO.2 PUMP DISCHARGE
15	"	NRV	NO.2 PUMP DISCHARGE
16	"	IV	NO.2 PUMP SUCTION
17	"	IV	NO.3 PUMP DISCHARGE
18	"	NRV	NO.3 PUMP DISCHARGE
19	"	IV	NO.3 PUMP SUCTION
20	"	IV	STAND-BY PUMP DISCHARGE
21	"	NRV	STAND-BY PUMP DISCHARGE
22	"	IV	STAND-BY PUMP SUCTION
23	"	IV	OFF LOAD PUMP DISCHARGE
24	"	NRV	OFF LOAD PUMP DISCHARGE
25	"	IV	OFF LOAD PUMP DISCHARGE
26	"	IV	PUMP SUCTION HEADER
27	"	IV	PUMP SUCTION HEADER
28	"	IV	PUMP SUCTION HEADER
29	"	IV	PUMP DISCHARGE HEADER
30	"	IV	PUMP DISCHARGE HEADER
31	"	IV	SAMPLE POINT
32	"	IV	DISCHARGE TO STORAGE TANKS
33	"	NRV	DISCHARGE TO STORAGE TANKS
34	"	IV	STORAGE TANK INLET
35	"	IV	STORAGE TANK INLET
36	"	IV	STORAGE TANK OUTLET
37	"	IV	STORAGE TANK OUTLET
38	SLUDGE DRAW-OFF	IV	STORAGE TANK
39	"	IV	STORAGE TANK
40	FUEL OIL	IV	DISCHARGE TO DISPENSERS
41	"	IV	DISCHARGE TO DISPENSERS
42-44 INCL.	"	IV	FUEL OIL DISPENSER
45-47 INCL.	"	R.V.	FUEL OIL DISPENSER
48-50 INCL.	"	NRV	FUEL OIL DISPENSER

LEGEND:-
I.V. ISOLATING VALVE
NRV. NON RETURN VALVE



26244

FOR CONSTRUCTION

KEY PLOT PLAN

REFERENCE DRAWINGS

GENERAL NOTES

1. VALVES TO BE TAGGED:- FUEL OIL 1. , ETC.

RAILTRACK 18127:LNE

ORIGINAL ISSUE							
REVISION	DRN.	CH'D	C.DM	ENG.	CLT	DATE	ISS.

CLIENT:- BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING DEPOT
FUEL OIL FLOW DIAGRAM

GEORGE WIMPEY M. E. & C. LIMITED
FLYOVER HOUSE, GREAT WEST ROAD, BRENTFORD, MIDDLESEX.

SCALE	DRAWING NUMBER	ISSUE
	GL-344-A75	

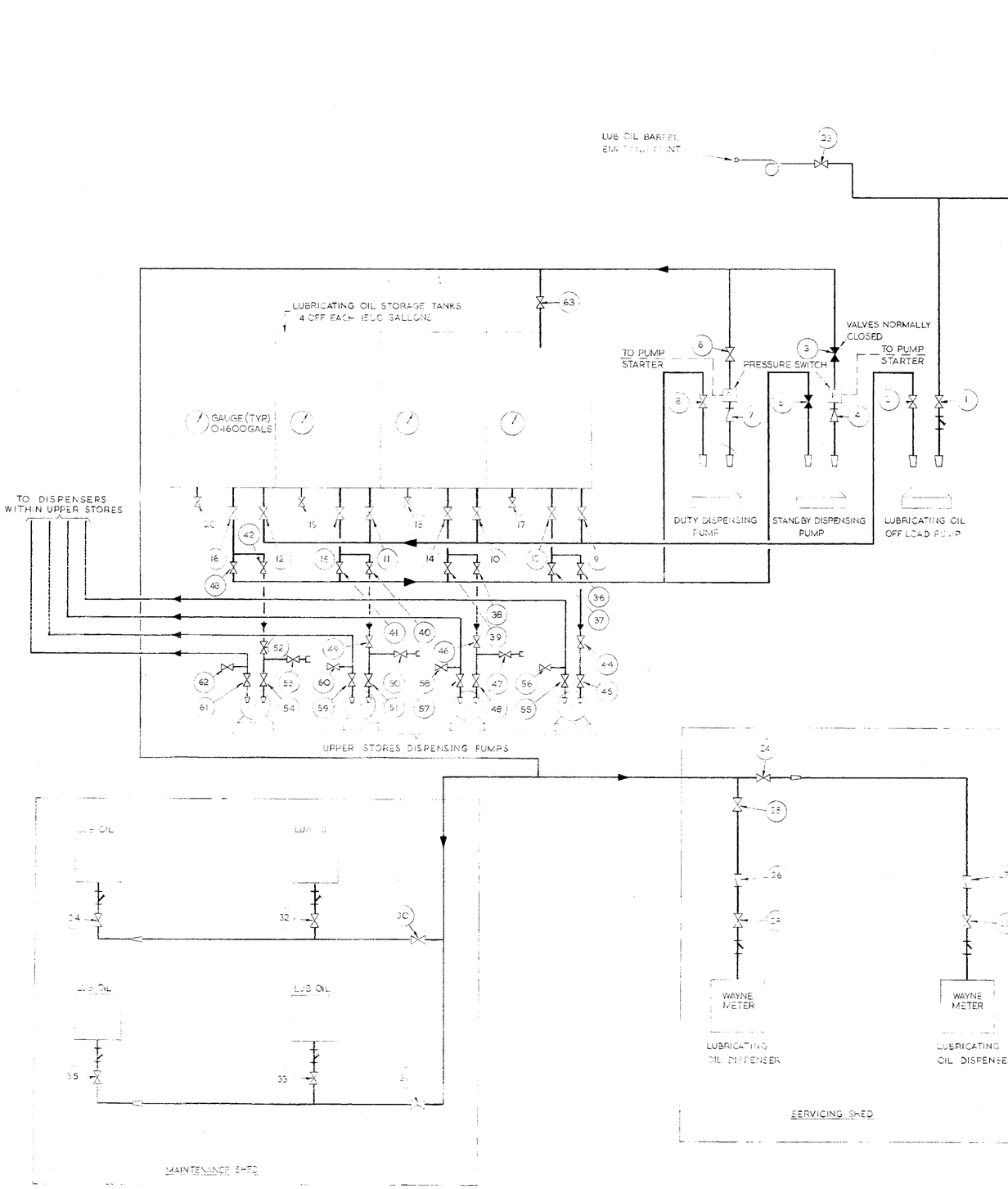
40 x 27 OVERALL

DRAWING NUMBER

VALVE SCHEDULE

VALVE NO	SERVICE	DUTY	LOCATION
1	LUB OIL	I.V.	OFF LOAD PUMP SUCTION
2	"	I.V.	OFF LOAD PUMP DELIVERY
3	"	I.V.	STANDBY PUMP DELIVERY
4	"	NRV	STANDBY PUMP DELIVERY
5	"	I.V.	STANDBY PUMP SUCTION
6	"	I.V.	DUTY PUMP DELIVERY
7	"	NRV	DUTY PUMP DELIVERY
8	"	I.V.	DUTY PUMP SUCTION
9	"	I.V.	STORAGE TANK INLET
10	"	I.V.	" " "
11	"	I.V.	" " "
12	"	I.V.	" " "
13	"	I.V.	" " OUTLET
14	"	I.V.	" " "
15	"	I.V.	" " "
16	"	I.V.	" " "
17	"	I.V.	" " DRAIN
18	"	I.V.	" " "
19	"	I.V.	" " "
20	"	I.V.	" " "
21	"	I.V.	RAIL TANKER OFF LOADING
22	"	I.V.	" " " "
23	"	I.V.	BARREL EMPTYING
24	"	I.V.	SERVICING SHED
25	"	I.V.	" "
26	"	NRV	" " DISPENSERS
27	"	NRV	" " "
28	"	I.V.	" " "
29	"	I.V.	" " "
30	"	I.V.	MAINTENANCE SHED
31	"	I.V.	" "
32	"	I.V.	" " DISPENSERS
33	"	I.V.	" " "
34	"	I.V.	" " "
35	"	I.V.	" " "
36	"	I.V.	STORAGE TANK OUTLET MANIFOLD
37	"	I.V.	" " " "
38	"	I.V.	" " " "
39	"	I.V.	" " " "
40	"	I.V.	" " " "
41	"	I.V.	" " " "
42	"	I.V.	" " " "
43	"	I.V.	" " " "
44	"	I.V.	UPPER STORES PUMP SUCTION
45	"	I.V.	" " " "
46	"	I.V.	" " " "
47	"	I.V.	" " " "
48	"	I.V.	" " " "
49	"	I.V.	" " " "
50	"	I.V.	" " " "
51	"	I.V.	" " " "
52	"	I.V.	" " " "
53	"	I.V.	" " " "
54	"	I.V.	" " " "
55	"	I.V.	UPPER STORES PUMP DISCHARGE
56	"	I.V.	" " " "
57	"	I.V.	" " " "
58	"	I.V.	" " " "
59	"	I.V.	" " " "
60	"	I.V.	" " " "
61	"	I.V.	" " " "
62	"	I.V.	" " " "
63	"	I.V.	STORAGE TANK

LEGEND :-
I.V. ISOLATION VALVE
NRV NON RETURN VALVE



26244

FOR CONSTRUCTION

KEY PLOT PLAN

REFERENCE DRAWINGS

GENERAL NOTES

1. VALVES TO BE TAGGED :- LUB. OIL 1. , ETC.

RAILTRACK
181273LNE

ORIGINAL ISSUE.								
REVISION	DRN	CH'D	C.DM	ENG.	CL'T.	DATE	ISS.

CLIENT :- BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING DEPOT
LUBRICATING OIL FLOW DIAGRAM.

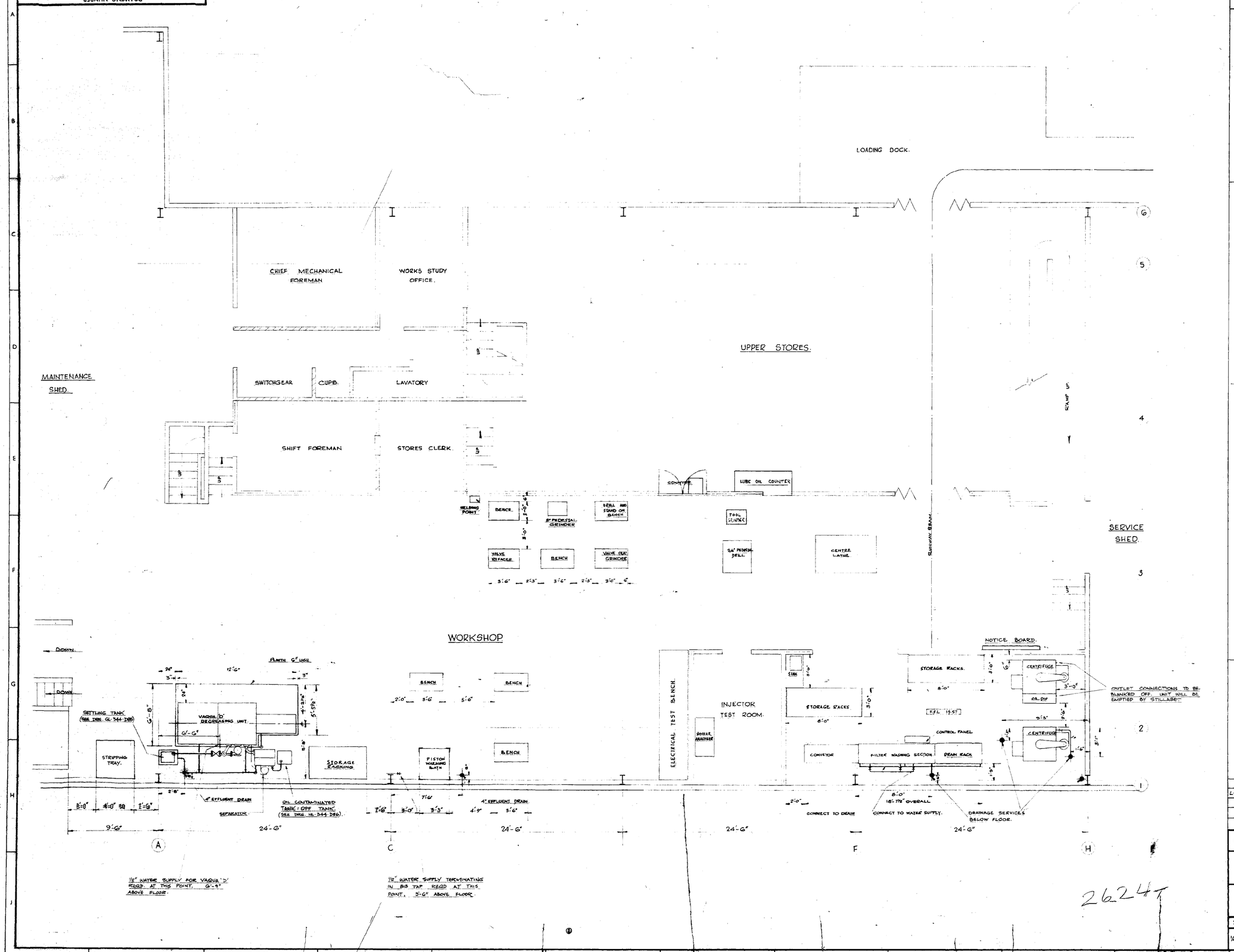
GEORGE WIMPEY M. E. & C. LIMITED
FLYOVER HOUSE, GREAT WEST ROAD, BRENTFORD, MIDDLESEX.

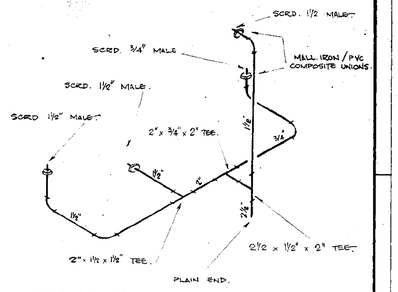
SCALE	DRAWING NUMBER	ISSUE
	GL-344-A78	C

40 x 27 OVERALL

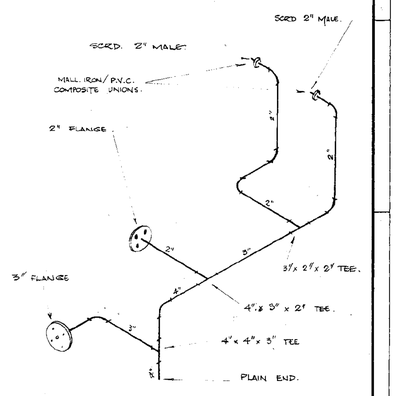
DRAWING NUMBER GL-344-A6

CONTRACT DRAWING Nº 99





ISOMETRIC ARRT. OF FILTER CLEANER PIPEWORK.
MATERIAL - P.V.C.



ISOMETRIC ARRT. OF DEGREASER DRAIN PIPEWORK.

RAILTRACK 181274LNE

FOR CONSTRUCTION

REVISION	DRN	CH'D	C/DM	ENG.	CL'T.	DATE	ISS.
LUBE OIL COUNTER ADDED							2
REDRAWN						13.10.65	1
							0

CLIENT - BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING & MAINTENANCE DEPOT
ARRT. OF WORKSHOP AREA.

GEORGE WIMPEY & CO. LTD.
DEPT. 1. M. & E. ENGINEERING DIVISION.
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

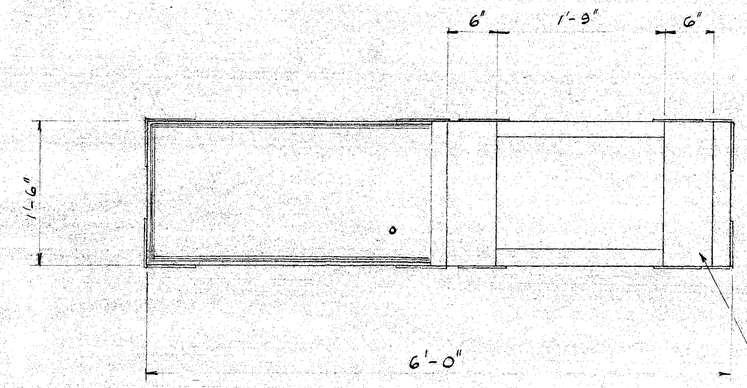
SCALE	DRAWING NUMBER	ISSUE
¼"=1'-0"	GL-344-A6	2

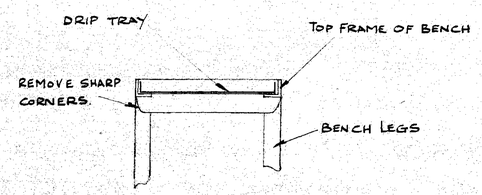
40 x 27 OVERALL

2624T

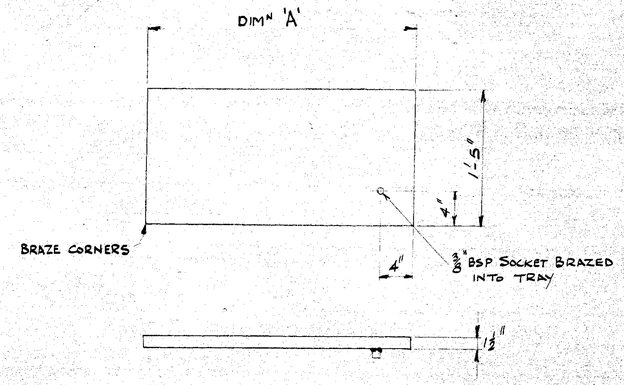
F172

DRAWING NUMBER GL·344·H92



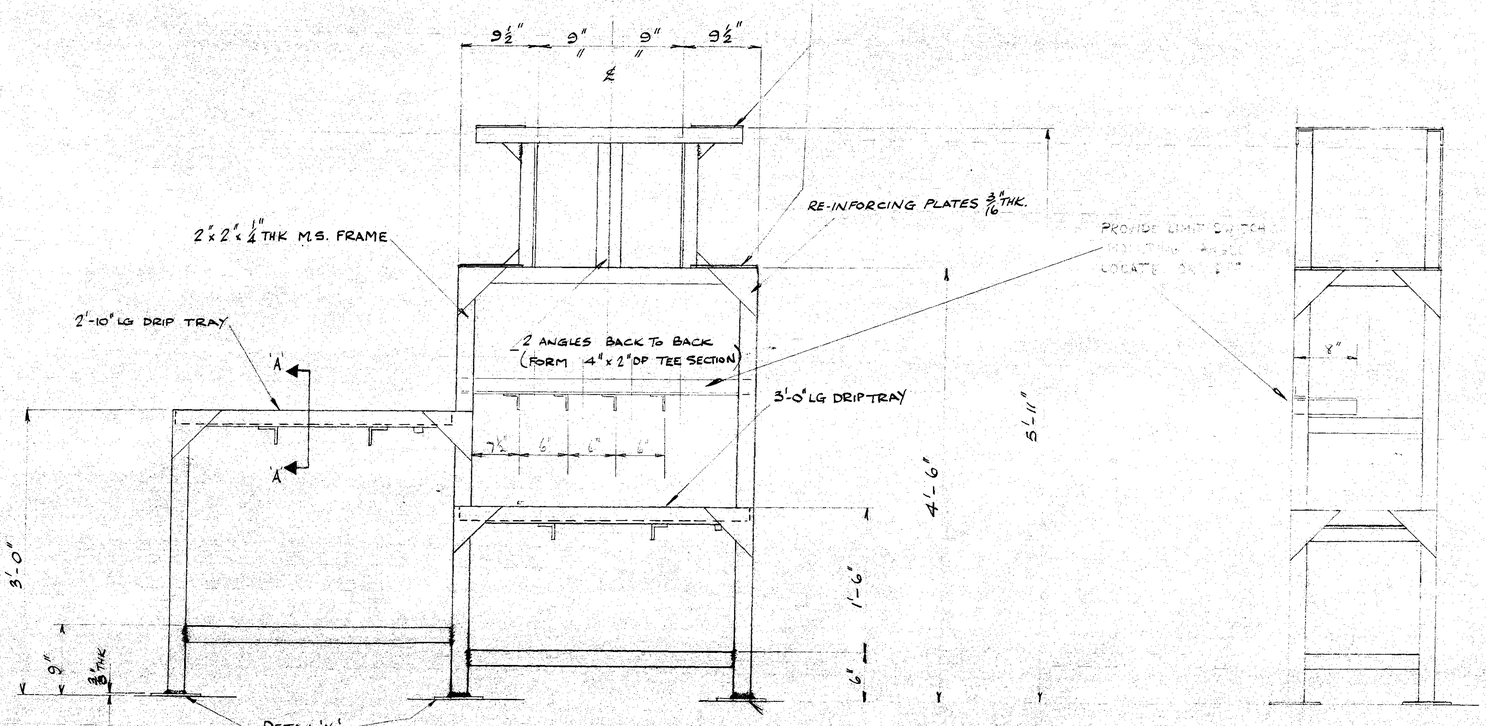


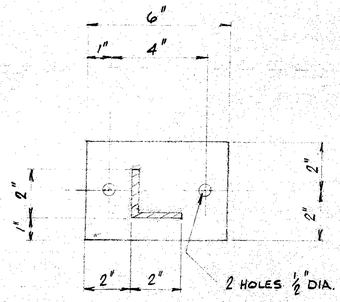
SCRAP SECTION A-A.



DRIP TRAY MATL 1/16" THK M.S. SHT.	
DIMN 'A'	N° OFF
2'-10"	1
3'-0"	1

DRIP TRAYS TO BE ASSEMBLED TO FIT FRAME





DETAIL 'X' BASEPLATE
3/8" THK MILD STEEL - 6 OFF

NOTES

1. FRAME TO BE CONSTRUCTED FROM 2"x2"x¼" THK M.S.
2. ALL WELDED CONSTRUCTION
3. COMPLETED FRAME TO BE FREE BORRS OR SHARP EDGES
4. FRAME IS TO BE RED OXIDE COATED.

REFERENCE ASSY DRG GL·344·P66

RAILTRACK 18129GLNE

REVISION	DRN	CH'D	C.OM	ENG.	CL'T.	DATE	ISS.
							0

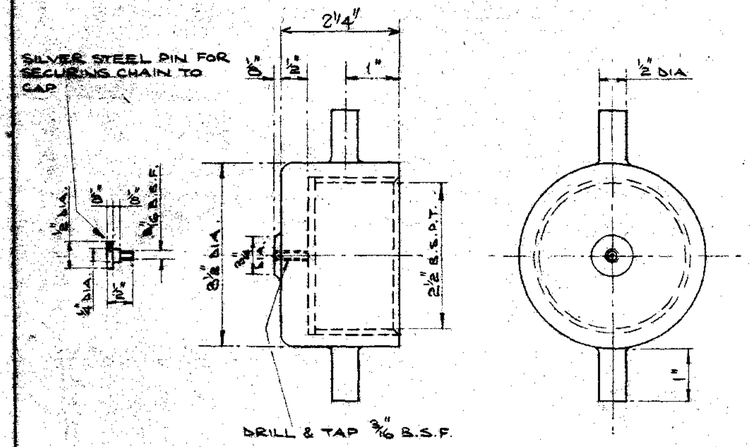
CLIENT: BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL MAINTENANCE & SERVICING DEPOT
LUB. OIL DISPENSER SUPPORT FRAME

GEORGE WIMPEY & CO. LTD.
DEPT. 1, M. & E. ENGINEERING DIVISION.
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

SCALE	DRAWING NUMBER	ISSUE
½"·1'-0"	GL·344·H92	0

40 x 27 OVERALL
H.H. LTD. S.P. 4604 C

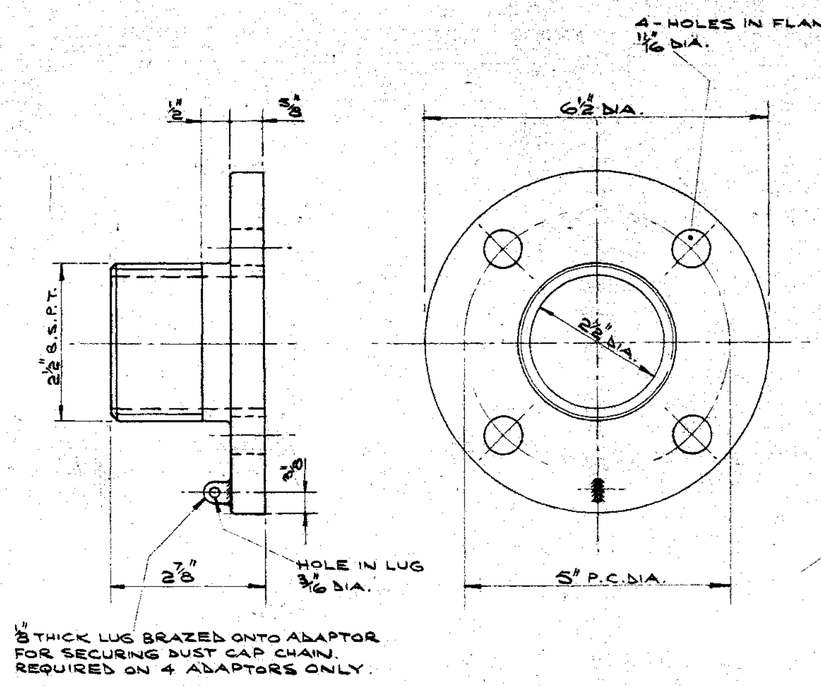


TO BE SUPPLIED COMPLETE WITH CHAIN SECURING PIN, SUITABLE CHAIN 12" LONG.

DUST CAP.

MATERIAL : GUNMETAL

No REQD. SEVEN



1/8" THICK LUG BRAZED ONTO ADAPTOR FOR SECURING DUST CAP CHAIN. REQUIRED ON 4 ADAPTORS ONLY.

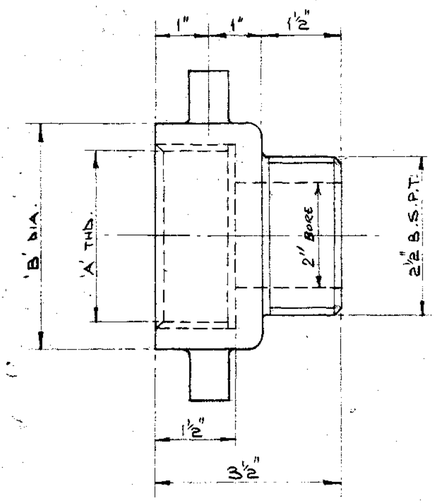
OFF - LOAD POINT ADAPTOR

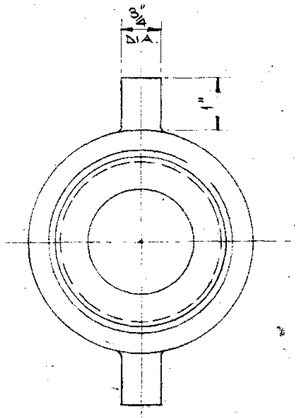
MATERIAL : GUNMETAL

No REQD. : TEN. - FOUR WITH CHAIN LUG

ALL RADII TO BE 1/8 UNLESS OTHERWISE STATED.

DETAILS OBTAINED FROM BRITISH RAILWAYS DRG. No E.82.





ADAPTOR	A	B	No REQD.
B.S.P.T. FEMALE.	2" B.S.P.T.	3 1/8"	FOUR.
B.S.P.T. FEMALE	3" B.S.P.T.	4 1/4"	SIX.
WHITWORTH GAS THREAD.	4" W.G.T.	5 1/4"	FOUR

RAIL TANK WAGON ADAPTOR

MATERIAL : GUNMETAL

RAILTRACK
181297LNE

FOR CONSTRUCTION

REV No.	DATE	REVISION	DRN	CHK.	DR. SUPV.	ENG.	TECH. MNGR.	SIG.	DATE
A	23-6-65		A.C.					CLIENT	

BRITISH RAILWAYS BOARD (EASTERN REGION)

GEORGE WIMPEY & CO. LTD.
DEPT. 1. M. & E. ENGINEERING DIVISION,
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

IMMINGHAM DIESEL MAINTENANCE & SERVICING DEPOT. DIESEL FUEL OIL INSTALLATION. OFF-LOAD POINTS-SPECIAL PIPE FITTINGS.

SCALE	DRAWING NO.	REV
1/2 FULL SIZE	BL-344-P14.	0

H.H. LTD. S/S 3461/C
24 x 10 %ALL.

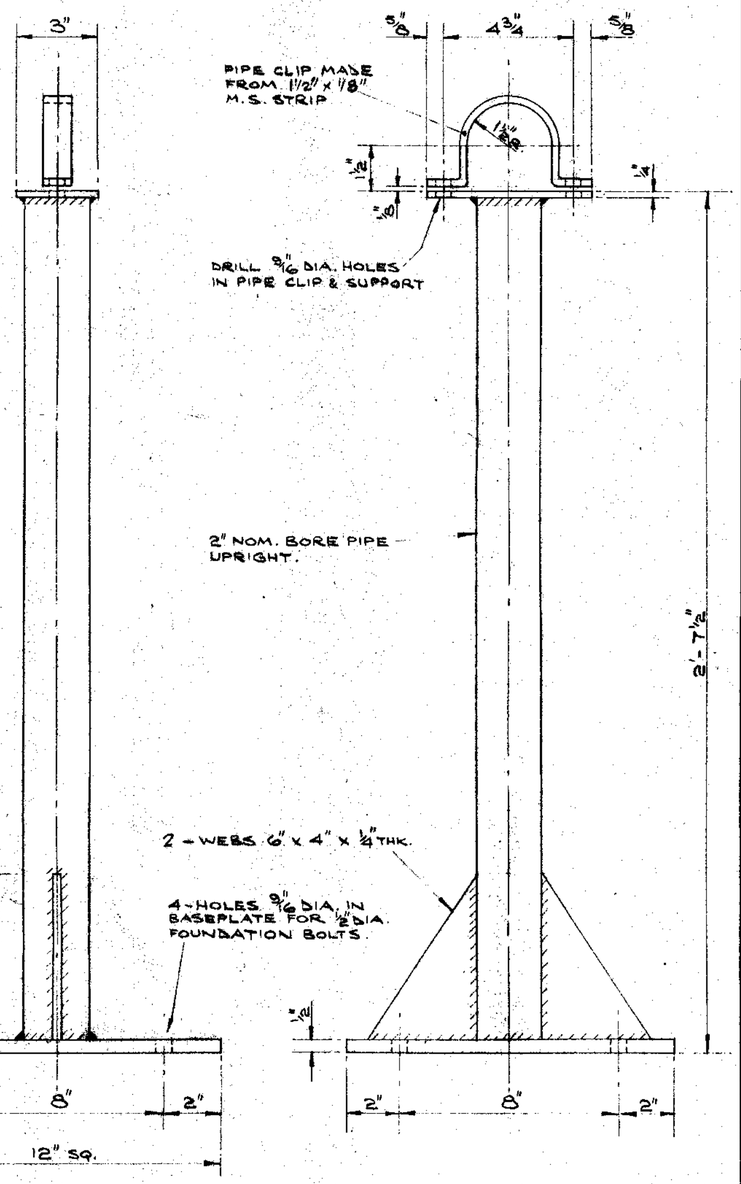
F.72

CONTRACT DRG. Nº 109

PIPE CLIPS TO BE SUPPLIED WITH REQUIRED NUTS BOLTS AND WASHERS.

SUPPORTS TO BE OF WELDED CONSTRUCTION

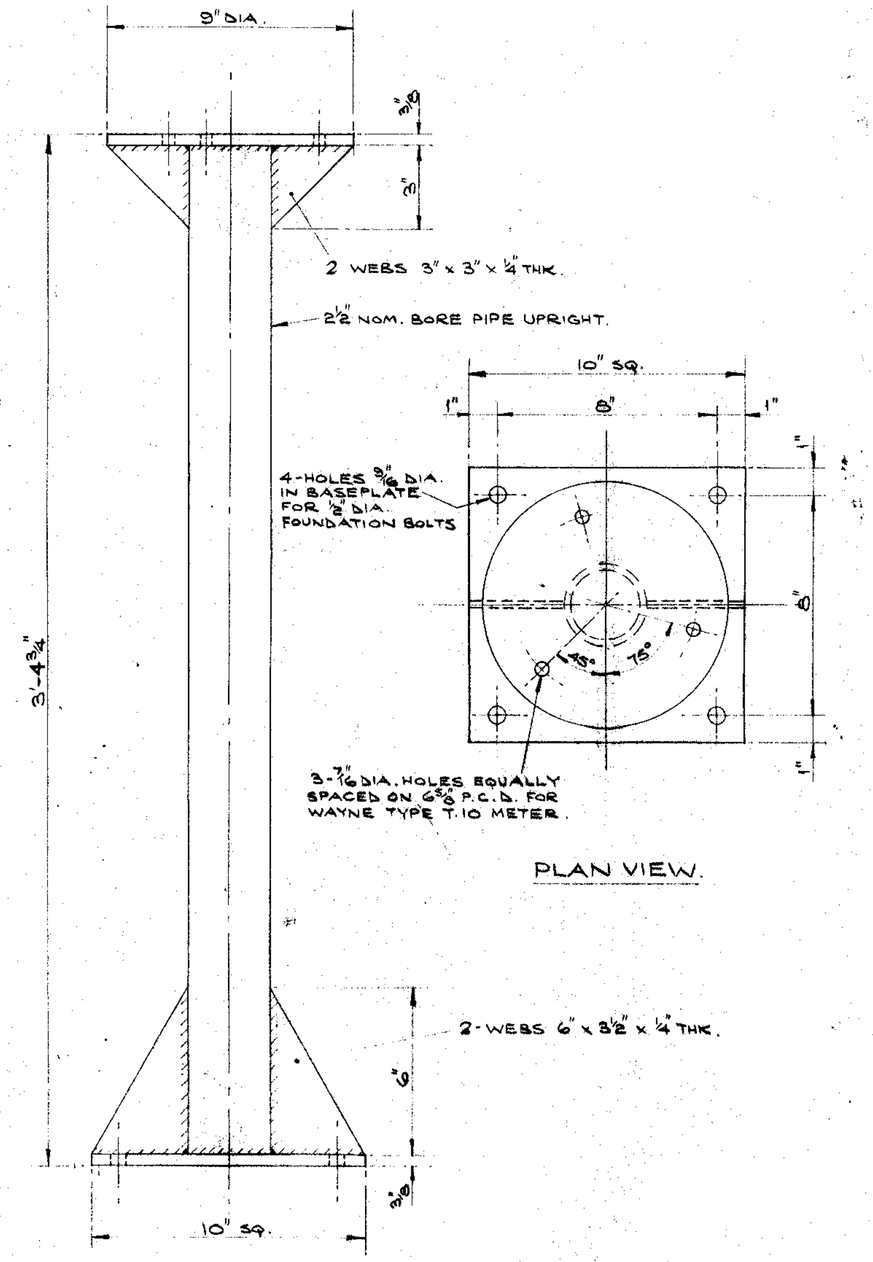
DETAILS OBTAINED FROM BRITISH RAILWAYS DRG. Nº E.82.



OFF LOAD POINT SUPPORT.

MATERIAL : MILD STEEL.
FINISH : ONE COAT RED OXIDE

Nº REQD. : FOUR

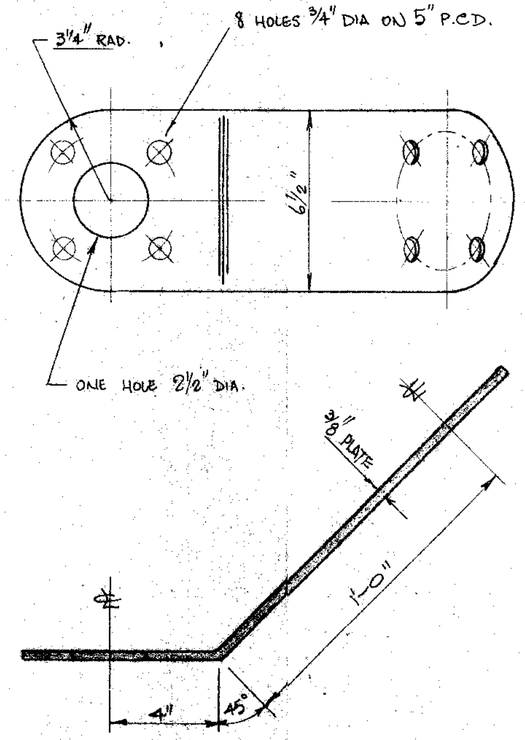


PLAN VIEW.

METER SUPPORT.

MATERIAL : MILD STEEL.
FINISH : ONE COAT RED OXIDE.

Nº REQD. : ONE



SUCTION HOSE SUPPORT PLATE

MATERIAL - MILD STEEL.
FINISH - 1 COAT RED OXIDE
Nº REQD - FOUR

RAILTRACK
181298LNE

FOR CONSTRUCTION

REV No.	DATE	REVISION	DRN.	CHK.	DR. SUPV.	ENG.	TECH. MNGR.	SIG.	DATE
A	8.4.65		A.C.					CLIENT	

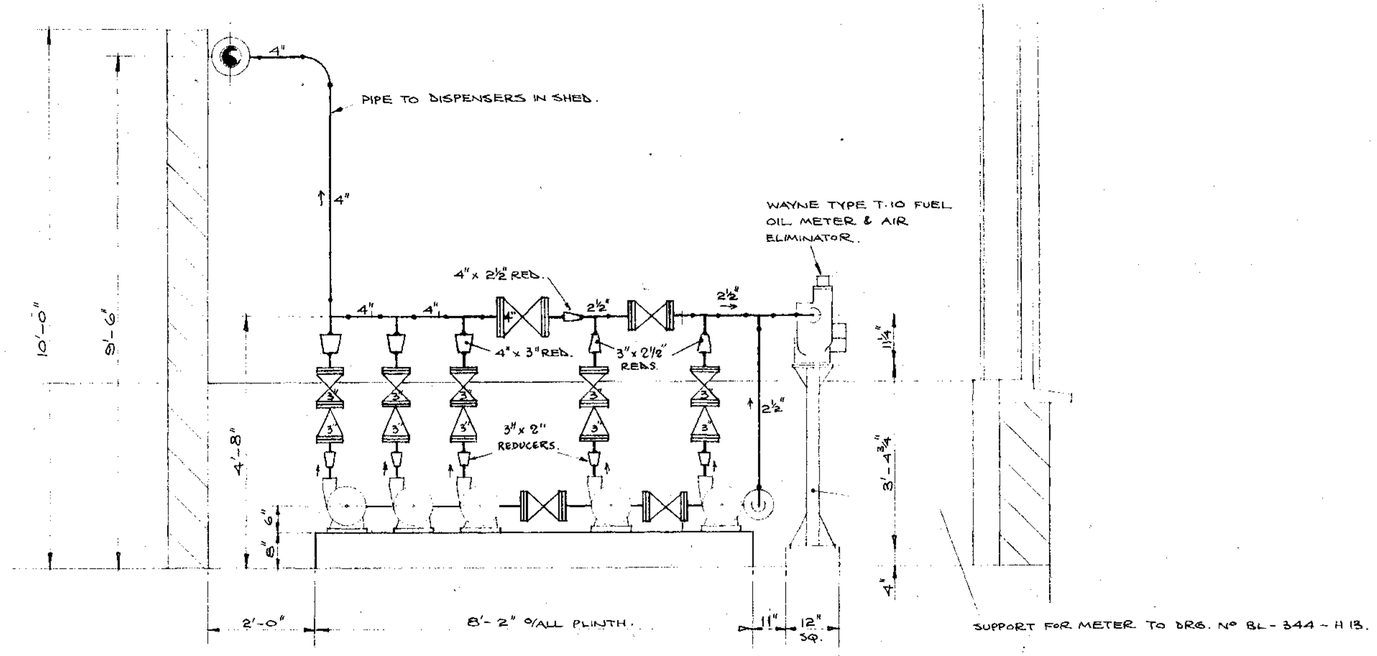
BRITISH RAILWAYS BOARD (EASTERN REGION)

GEORGE WIMPEY & CO. LTD.
DEPT. 1, M. & E. ENGINEERING DIVISION,
FLYOVER HOUSE, BRENTFORD; MIDDLESEX.

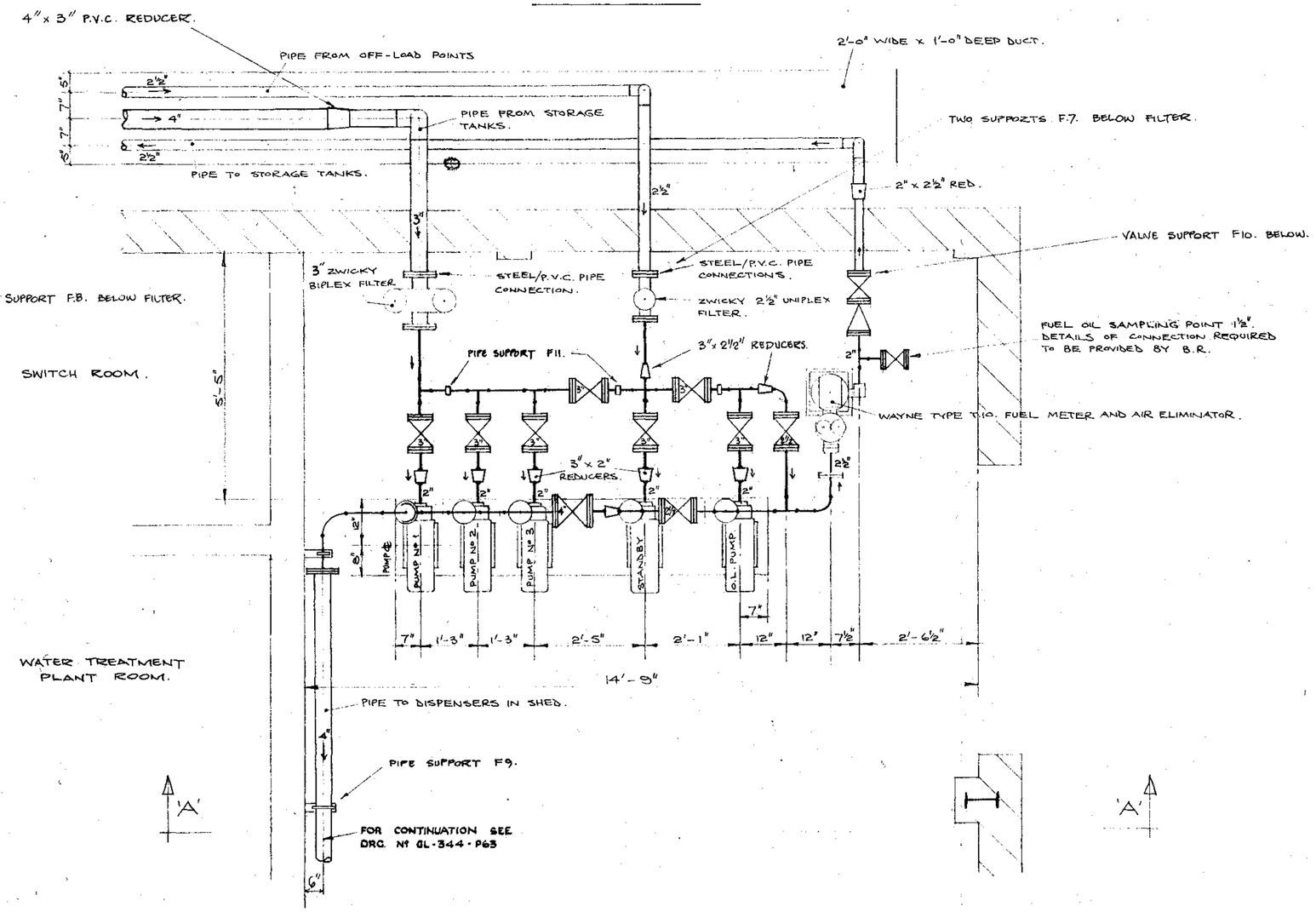
IMMINGHAM DIESEL MAINTENANCE & SERVICING DEPOT. DIESEL FUEL OIL INSTALLATION.
METER & OFF-LOAD POINT SUPPORTS.

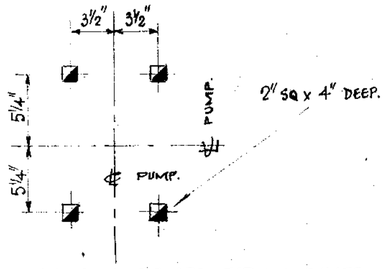
SCALE	DRAWING NO.	REV
1/4 FULL SIZE	BL-344-H13	0

H.H. LTD. S/S 2451/C
24 x 18 %ALL.



VIEW ON 'A'-'A'





TYPICAL HOLD-DOWN BOLT HOLE CRS. FOR ALL PUMPS.

CONTRACT DRAWING Nº 100

SINGLE LINE PIPEWORK SHOWN ON THIS DRAWING M.S. HEAVYWEIGHT TO B.S. 1387 SOLID DRAWN. FLANGES TO B.S. 10 PART 2. TABLE 'D' SLIP ON WELDED FLAT FACE. FITTINGS BUTT WELD TO B.S. 1965.

DOUBLE LINE PIPEWORK SHOWN ON THIS DRAWING UNPLASTICISED P.V.C. TO B.S. 3506/1962. FLANGES TO B.S. 10 PART 2 TABLE 'D' PIPEWORK ASSEMBLED BY SOLVENT WELDING.

STOP VALVES : SAUNDERS C.I. FLANGED TYPE 'A' DIAPHRAGM TYPE.

NON-RETURN VALVES : CRANE C.I. FLANGED TYPE F.491.

PUMPS : WORTHINGTON SIMPSON TYPE 2DM4. 3 H.P. SUCTION AND DELIVERY SCREWED 2" B.S.P.T.

FOR DETAILS OF PIPE SUPPORTS SEE DRG Nº

FOR CONSTRUCTION

RAILTRACK
181299LNE

REV No.	DATE	REVISION	DRN	CHK.	DR. SUPV.	ENG.	TECH. MNGR.	SIG.	DATE
A	30.7.65		A.C.					CLIENT	

CLIENT : BRITISH RAILWAYS BOARD (EASTERN REGION)

GEORGE WIMPEY & CO. LTD.
DEPT. 1,- 'M. & E. ENGINEERING DIVISION,
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

IMMINGHAM DIESEL LOCO. SERVICING & MAINTENANCE DEPOT
DIESEL FUEL OIL INSTALLATION
LAYOUT OF PUMPS AND ASSOCIATED PIPEWORK.

SCALE	DRAWING NO.	REV
½ IN. TO 1 FOOT.	BL-344-P16	O

H.H. LTD. S/S 2451/C
24" x 18" O/ALL.

26244

DRAWING NUMBER

CONTRACT DRAWING Nº 106

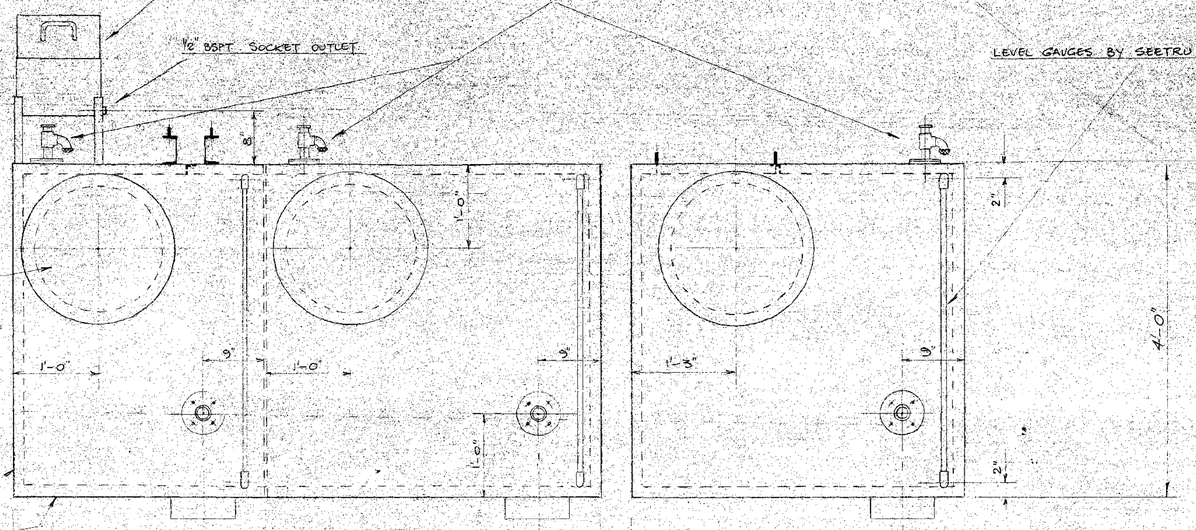
PRIMING TANK SIZE 16" x 12" x 8" DEEP WITH HINGED COVER, AND ANGLE LEGS BOLTED TO TOP OF MAIN TANK.

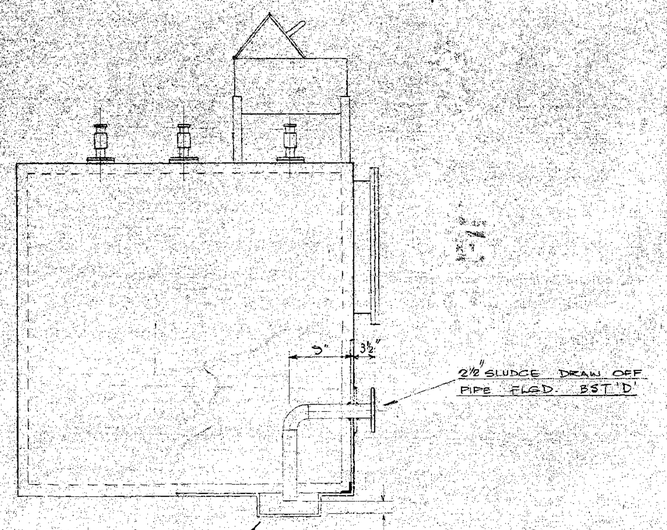
THREE - COMBINED AIR VENT & DIP HATCHES

½" BSPT SOCKET OUTLET

LEVEL GAUGES BY SEETRU LTD.

1'-6" DIA. RAISED MANHOLE

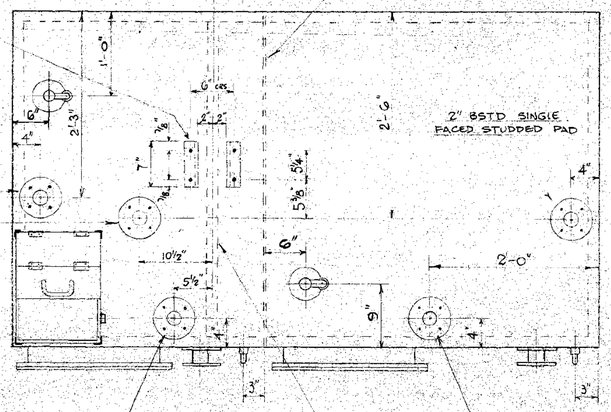


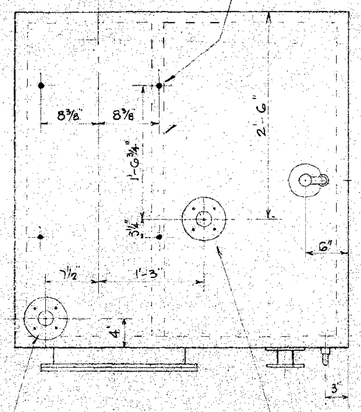


1½" x 1½" x ¼" M.S. ANGLE FRAME INSIDE TANK.

TWO PIECES OF 4" x 2" CHANNEL WELDED TO TANK TOP FOR SUPPORTING PUMP, FITTED WITH ⅜" WHIT. STUDS PROJECTING 1"

2" BSTD SINGLE FACED STUDDED PADS





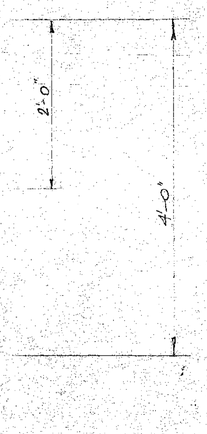
2" BSTD DOUBLE FACED STUDDED PAD.

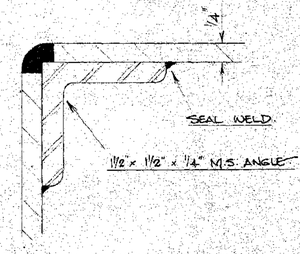
2" BSTD DOUBLE FACED STUDDED PADS.

1½" x 1½" x ¼" ANGLE BEARER ACCROSS TANK BENEATH TOP COVER.

1½" x 1½" x ¼" ANGLE BEARER ACCROSS TANK BENEATH TOP COVER.

2" BSTD SINGLE FACED STUDDED PAD.





DETAIL OF TANK CONSTRUCTION

MATERIAL : ¼" PLATE & 1½" x 1½" x ¼" ANGLE

CONSTRUCTION : FULLY WELDED MILD STEEL

FINISH : INSIDE : WIRE BRUSHED & BRUSHINGS REMOVED.
OUTSIDE : WIRE BRUSHED, PAINTED ONE COAT RED LEAD PRIMER, WITH TWO COATS BLACK BITUMASTIC ON UNDERSIDE BEFORE DESPATCH

RAILTRACK 181304LNE

FOR CONSTRUCTION

REVISION	DRN.	CH'D	C/DM	ENG.	CLT.	DATE	ISS.
SLUDGE DRAW-OFF'S WERE 2" SCRD. COMBINED AIR VENT & DIP HATCHES WERE AIR VENTS ONLY - POSITIONS ALTERED.						22.1.65	3
CHANNEL LENGTHS AND STUD CRS. MOD.						22.9.65	2
REDRAWN: DRG. FINALISED.						5.8.65	1

CLIENT : BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING & MAINTENANCE DEPOT

DETAIL OF MULREX TANKS

GEORGE WIMPEY & CO. LTD.
DEPT. 1, M. & E. ENGINEERING DIVISION,
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

SCALE	DRAWING NUMBER	ISSUE
1"=1'-0"	HL · 344 · D32	3

W.H. LTD S/S 3631C

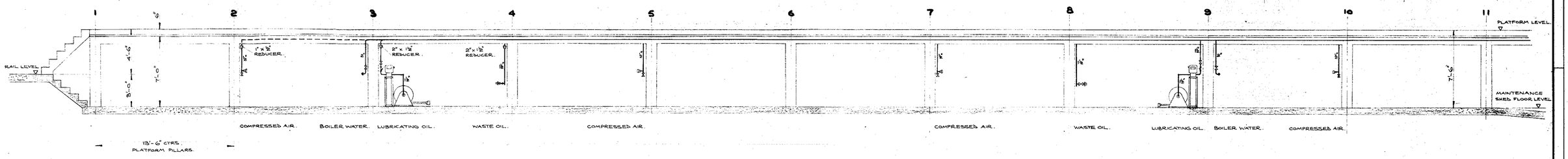
30 x 20 OVERALL

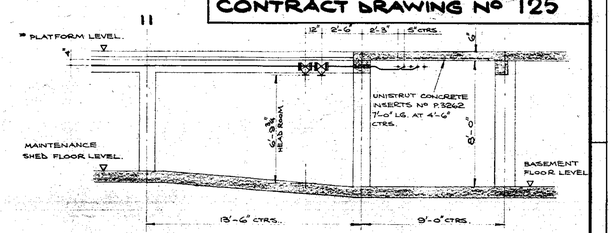
DRAWING NUMBER

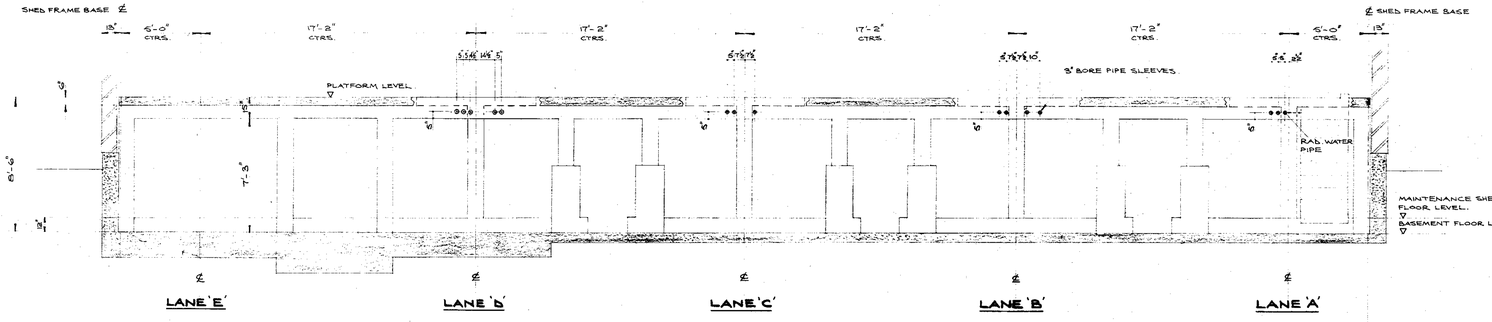
GL-344-P4.

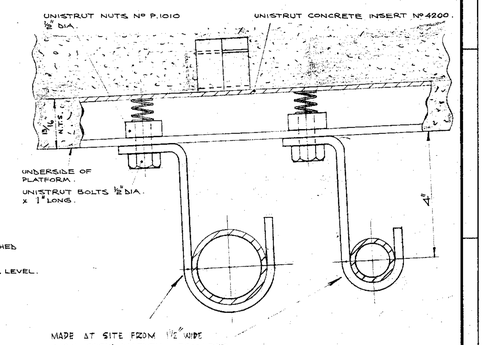
CONTRACT DRAWING No 125

SECTION G-G.

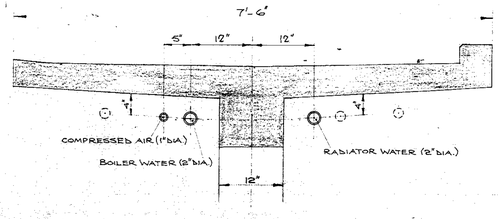




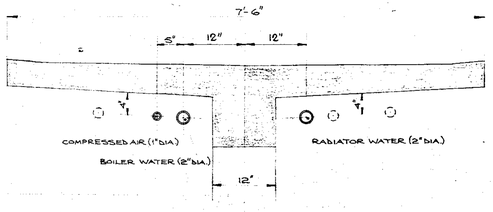




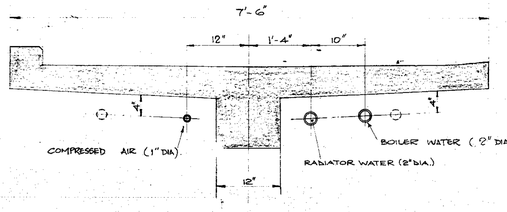
SECTION H-H.



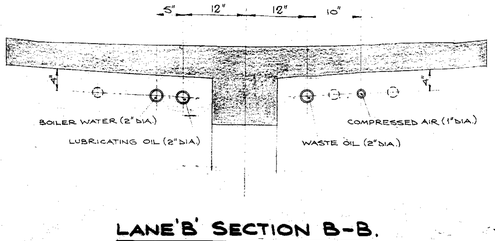
LANE 'A' SECTION A-A.



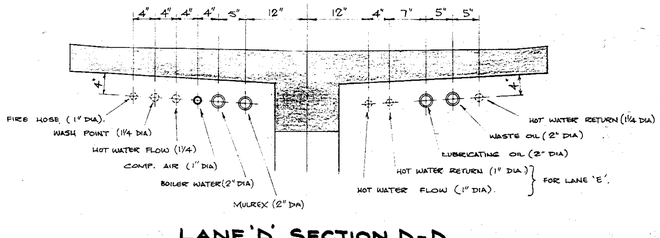
LANE 'C' SECTION C-C.



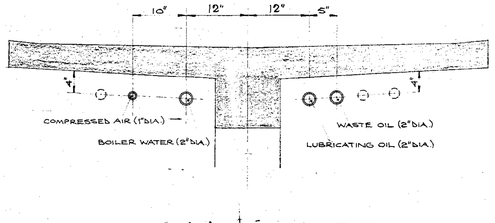
LANE 'E' SECTION E-E.



LANE 'B' SECTION B-B.



LANE 'D' SECTION D-D.



LANE 'D' SECTION F-F.

UNISTRUT CONCRETE INSERTS TO BE CAST IN TO PLATFORMS AT 4'-6" CTRS.

DETAIL OF PIPE SUPPORTS UNDER PLATFORMS.

SCALE : ½ FULL SIZE.

REFERENCE DRAWINGS :

PIPING FLOW DIAGRAM. DRG. EL-344-A1
GENERAL SITE ARRANGEMENT. DRG. EL-344-A2.
MAINTENANCE SHED PIPEWORK. PLAN. DRG. GL-344-P3.
DETAILS OF CONNECTING POINTS ON PLATFORM PILLARS DRG GL-344-P5

RAILTRACK
181305LNE

FOR CONSTRUCTION

REVISION	DRN.	CH'D	C.	DM	ENG.	CL'T.	DATE	ISS.
	A.C.						12-5-66	1

CLIENT : BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING AND MAINTENANCE DEPOT.
DIESEL LOCO MAINTENANCE SHED.
PIPING ARRANGEMENT (SECTIONS).

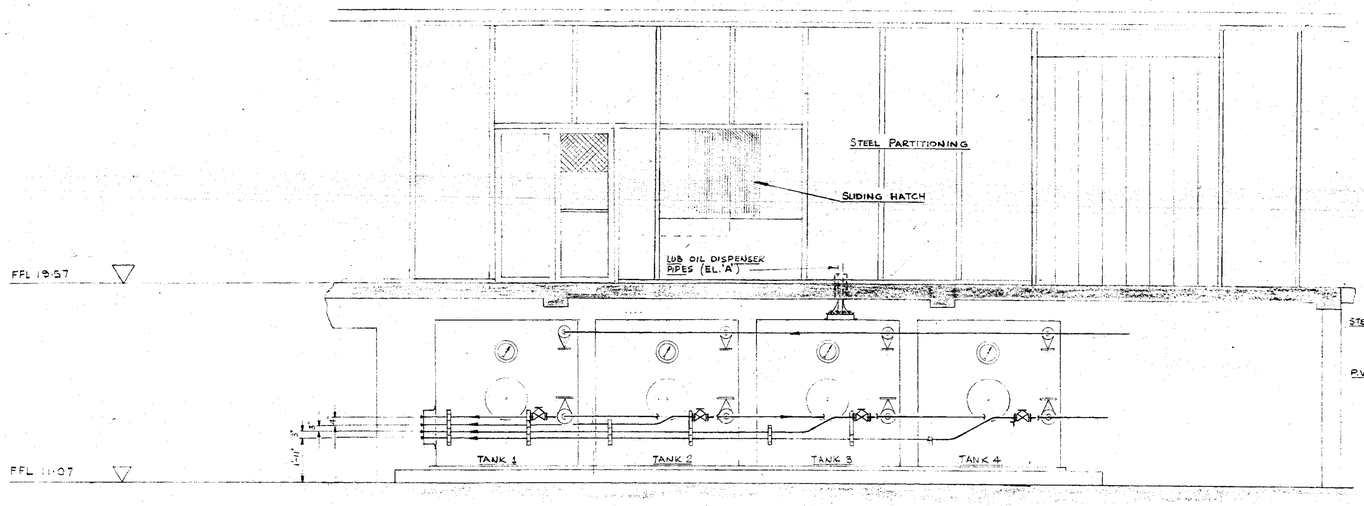
GEORGE WIMPEY & CO. LTD.
DEPT. 1, M. & E. ENGINEERING DIVISION,
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

SCALE	DRAWING NUMBER	ISSUE
½" & 1" TO 1 FOOT	GL-344-P4	0

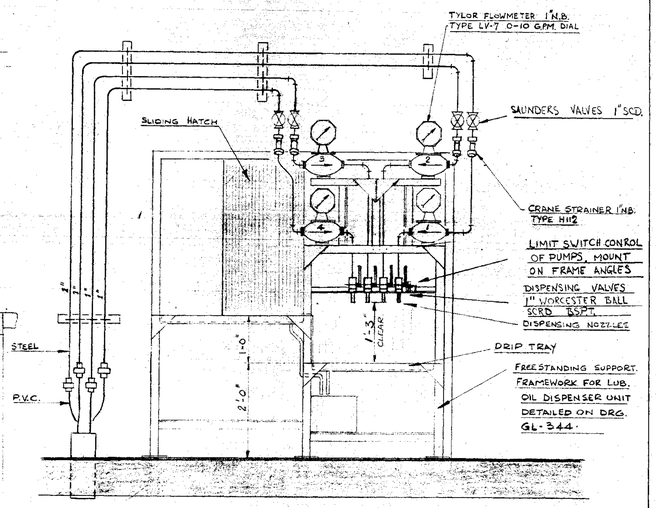
40 x 27 OVERALL

26244

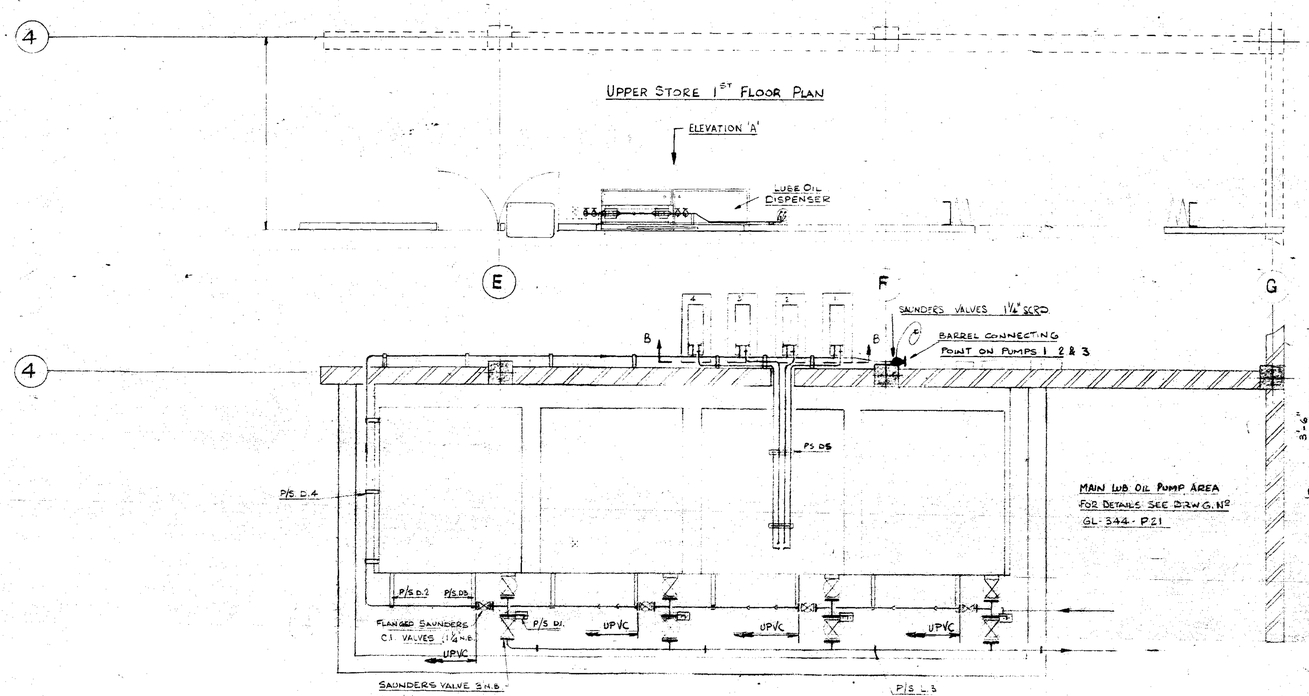
DRAWING NUMBER
GL-344-P66



ELEVATION OF LUB OIL STORE AND UPPER STORE
SCALE 3/8" : 1'-0"

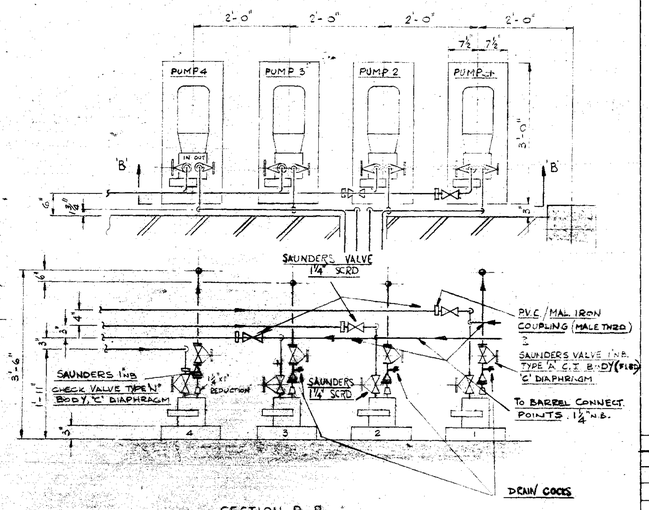


ELEVATION IN DIRECTION OF ARROW 'A'
SHOWING DETAILS OF LUB. OIL DISPENSER
SCALE 3/4" : 1'-0"



UPPER STORE 1ST FLOOR PLAN

LUBRICATING OIL STORE
GROUND FLOOR PLAN
SCALE 3/8" : 1'-0"

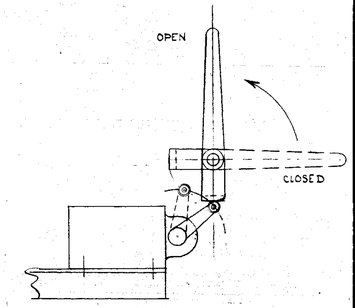


SECTION B-B

ELEVATION AND PLAN SHOWING DETAILS
OF LUBRICATING OIL DISPENSING PUMPS
SCALE 3/4" : 1'-0"

26244

REFERENCE DRWGS.
1. ARRGT. OF LUBRICATING OIL INSTALLATION GL-344-P21
2. PIPE SUPPORTS FOR THIS LAYOUT GL-344-H92



DIAGRAMMATICAL VIEW OF BALL VALVE AND LIMIT SWITCH FOR PUMP

GENERAL PIPING SPECIFICATION
PIPE: HEAVY GAUGE UNPLASTICIZED PVC TO B.S. 3506 1965
VALVES: SAUNDERS, C.I. FLG TYPE 'A' BODY, 'C' DIAPHRAGM

GASKETS:
FITTINGS: SOLVENT WELDED

NOTE
ALL PIPING AT PUMPS AND DISPENSER TO BE MILD STL SOLID DRAWN HEAVY WEIGHT TO B.S. 1387 WITH SCRD FLG'S TO B.S. 10 PT. 2 TABLE 'D' WITH SCRD FITTINGS TO B.S. 143 150 lb M.I. BANDED TAPER THRD.

RAILTRACK
181306LNE

FOR CONSTRUCTION

REVISION	DRN	CH'D	C.DM	ENG	CL'T.	DATE	ISS.
3RD BARREL UNLOADING POINT	ARL					30.6.66	2
PUMP CONTROL ADDED	ARL						1
	P.C.					11-2-66	0

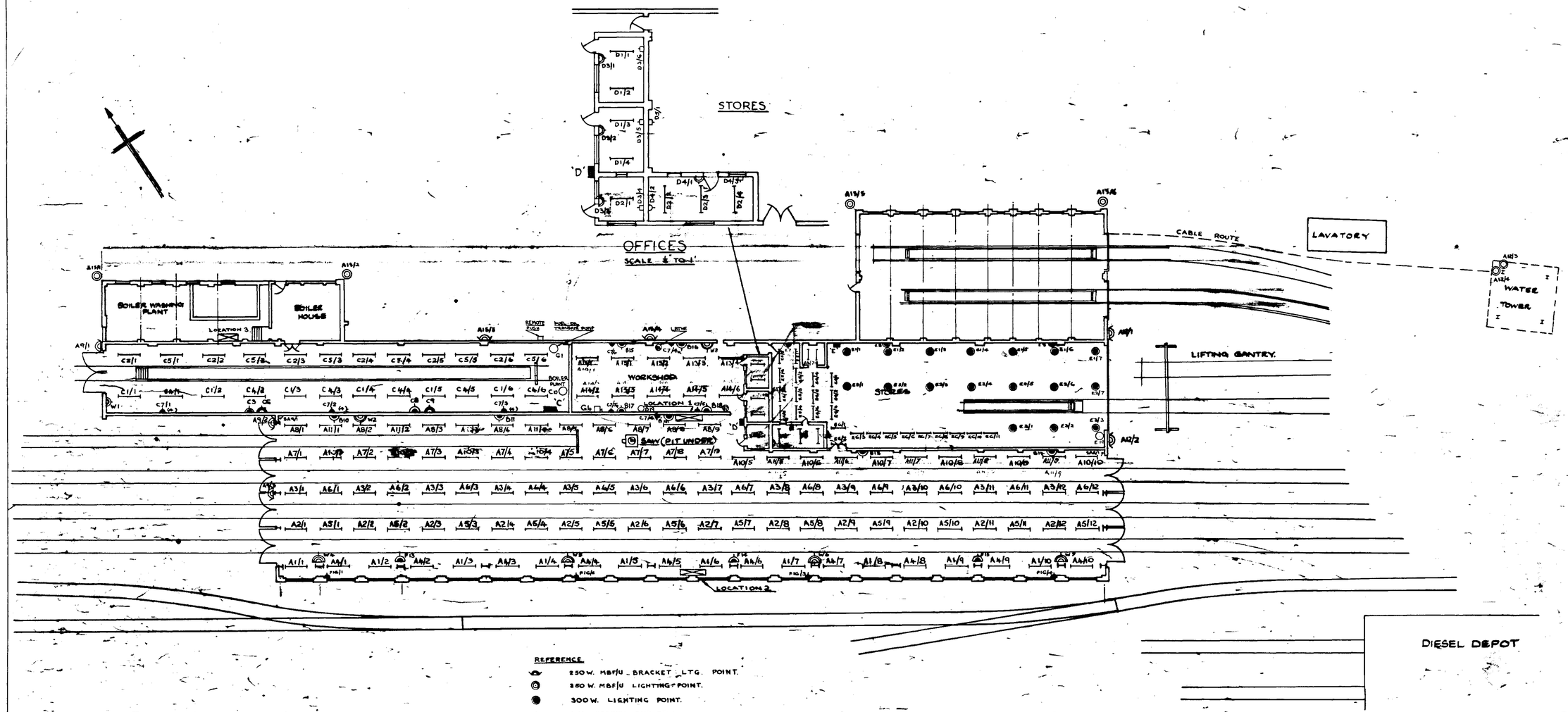
CLIENT: BRITISH RAILWAYS (EASTERN REGION).

PROPOSED LAYOUT OF LUBRICATING OIL DISPENSER FOR IMMINGHAM SERVICING AND MAINT. DEPOT.

GEORGE WIMPEY & CO. LTD.
DEPT. 1, M. & E. ENGINEERING DIVISION, FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

SCALE	DRAWING NUMBER	ISSUE
3/4" : 1'-0" 3/8" : 1'-0"	GL-344-P66	2

40 x 27 OVERALL



REFERENCE

- 250 W. MBF/U BRACKET LTG. POINT.
- 250 W. MBF/U LIGHTING POINT.
- 300 W. LIGHTING POINT.
- L.V. SOCKET OUTLET.
- 13 AMP. SWITCH SOCKET OUTLET.
- 15 AMP. S.P.&N. E.P.U.
- 30 AMP. S.P.&N. E.P.U.
- 60 AMP. D.P. E.P.U.
- LOCATION OF HEATERS & MACHINERY.
- 5 FT. FLUORESCENT FITTING.
- 8 FT. FLUORESCENT FITTING.
- DISTRIBUTION BOARD.
- SWITCHBOARD.
- 13 AMP. SWITCHED INDICATOR FLEX OUTLET SPUR.

RAILTRACK 202779LNE

08422-1

30122

BRITISH RAILWAYS BOARD
CHIEF MECHANICAL & ELECTRICAL ENGINEER.
EASTERN REGION
OUTDOOR MACHINERY SECTION
DONCASTER.

IMMINGHAM: WAGON REPAIR DEPOT.

ELECTRICAL INSTALLATION.

T.W. SAMPSON. & CO. LTD.
ELECTRICAL ENGINEERS
PITT STREET
SHEFFIELD. 1.

DRAWN. BB	TRACED	APPROVED RD.	DATE. 1 APRIL 1967
DRG. No RD/BB/24	RECORD DRAWING		

SCALE: 1" = 16'-0"

DRG. No. 6/331-4

REF. 23/17/1732

DATE: 20:4:66.

DRAWN: TRACED. S. CHECKED APPROVED FOR C. SCUTT.

ME306

DRAWING NUMBER GL·344·M9

CONTRACT DRAWING Nº 123

ROCKER WASHER

1½" M.S. ROD.

CAST PIPE CLIP CRANE TYPE 529.

SECTION F-F

POSITIONED AT POINTS MARKED ✱

6"x 3" ANGLE CLEAT

2½"x2½"x⅜" ANGLE

STANCHION

DETAIL 'X'

DETAIL 'Z'

2½"x2½"x⅜" EXISTING ANGLE

LINDAPTER TYPE 'C'

NOTE PIPE CLIPS TO BE A LOOSE FIT ON PLASTIC PIPES.

LINKING EYE BOLTS

4" PIPE CLIP CRANE TYPE 529.

2½" PIPE CLIPS. CRANE TYPE 529.

SHOES FABRICATED FROM 5/16" THK. PL. 5½" LG.

NEW ANGLE SEE DETAIL 'X'

4 BOLTS ⅝" DIA.

EXISTING ANGLE

NEW ANGLE 2½"x2½"x⅜"

EXISTING ANGLE AND CLEAT.

WELD

PIPE SUPPORT DETAIL AT 'E-E'

PLAN OF GUIDES

5½"x4"x½" 'L' SECTION BAR

5"x 4"x ½" TEE BAR.

SHOES FABRICATED FROM 5/16" THK PL. 5" LONG.

INSULATION.

SHOES FABRICATED FROM 5/16" THICK PLATE. 8" LG.

ADDITIONAL 2½"x2½"x⅜" ANGLE SEE DETAIL 'X'

EXISTING 2½"x2½"x⅜" ANGLE

GUIDES FOR SHOES MADE FROM TWO PIECES OF 2½" x ⅜" FLAT. 2" LG.

DETAIL 'Y'

DETAIL OF PIPE BRIDGE EXTENSION AT CENTRE BLOCK

1 OFF EACH - 4"x 4"x ⅜ ANGLES

4 HOLES 13/16 DIA

6 HOLES 5/16 DIA

2½"x2½"x⅜ ANGLE

DETAIL OF PIPE BRIDGE EXTENSION AT BOILER HOUSE

1 OFF EACH- 4"x 4"x ⅜ ANGLES

2½"x2½"x⅜ ANGLE

10 HOLES ⅝" DIA

6 HOLES 13/16" DIA

4 HOLES 13/16" DIA.

PART SECTION 'D-D' SHOWING GUIDES

Remove Existing R.S.J. Top Section

2½" WASTE OIL
2½" COMPRESSED AIR

4" FUEL OIL

3" HEATING PIPE

2½" HEATING PIPE

BOILER HOUSE

15'-0" F.F.L.

SEE DETAIL 'Z'

CENTRE BLOCK

DETAIL 'Y'

'B'-'B'

'B'

'E'

'E'

'D'

'D'-'D'

ELEVATION

ROCKER WASHER.

2½" ANGLE

½" M.S. ROD

EYE BOLT

⅝"x 1½" LONG BOLT, ½" WASHER

EYE BOLTS

SIDE ELEVATION

DETAIL OF HANGER SUPPORT TO HEATING PIPES

9 Nº OFF

POSITIONED AT POINTS MARKED ⊗

'A'

SEE DRG Nº HL-344-P63

'A'

'B'

'B'

CROSS MEMBERS OF 2½"·2½"·3/8" M.S. ANGLE, CUT AND WELD ON SITE

4" FUEL OIL (PLASTIC)
2½"- 2½" HEATING PIPES
2½"- 3" HEATING PIPES
2½" WASTE OIL (PLASTIC)
2½" COMPRESSED AIR

BOLTED DOWN SHOE ON HEATING PIPES

'E'

'E'

BOLTED DOWN SHOE ON HEATING PIPES

4 HOLES ⅝ DIA Pos" & DRL'D ON SITE (TO SUPPORT DOUBLE HANGER)

PLAN

SLIDING SHOES THIS SIDE ON HEATING PIPES

'D'

'D'

EYE-BOLT SUPPORT FITTED WITH LINDAPTER WHERE MARKED 'THUST X' AT APPROX. 5'-0" CENTRES FOR P.V.C. PIPES.

SHOES BOLTED THIS SIDE ON HEATING PIPES

DETAIL 'X'

4"x4"x⅜ M.S. ANGLE WELD CONST.

4 HOLES ⅝ DIA.

4 HOLES 15/16" DIA.

2 HOLES ⅝ DIA, TO BE Pos" & DR'D ON SITE. (TO SUPPORT DOUBLE HANGER)

PIPE SUPPORT DETAIL (REPLACING EXISTING CROSS MEMBER) 1 Nº OFF

4-13/16 ϕ HOLES IN 4"x4"x⅜"L

'C'-'C'

⅜" ϕ HOLES IN 4"x4"x⅜" ANGLE

'D'-'D'

EXPANSION LOOP SUPPORT 1 Nº OFF

NEW 2½"x 2½" ANGLE CLEAT

EXISTING 2½" x 2½" ANGLE.

NEW 4" x 4" ANGLE

SECTION G-G.

DETAIL 'Z'

26244

RAILTRACK 227634LNE

NOTES

PIPES SHOWN DOUBLE LINE

GENERAL PIPING SPECIFICATION

PIPE :- MILD STEEL :- BLACK HEAVYWEIGHT TUBE TO BS 1387 SOLID DRAWN WITH WELDED JOINTS.
PLASTIC TUBE :- HEAVY GAUGE UNPLASTICIZED P.V.C. TO BS 3506 1969
FITTINGS PLASTIC :- SOLVENT WELDED
MILD STEEL :- BLACK BUTT WELDED TO BS 1965
ALL BOLTS ⅜ DIA UNLESS OTHERWISE STATED
ALL STRUCTURAL WELDING TO BE ¼" FILLET WELDS

REFERENCE DRAWINGS

FOR SITE PLAN SEE DRG. Nº RL·344·A2
FOR FLOW DIAGRAM SEE DRG. Nº EL·344·A1
FOR BOILER HOUSE AREA SEE DRG. Nº HL·344·P63

REVISION	DRN	CH'D	C.D.M.	ENG.	CLT.	DATE	ISS.
DRWG BROUGHT UP TO DATE	P.C.					14/2/66	2
	G.F.E.						1

CLIENT: BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING & MAINTENANCE DEPOT

ARRT OF PIPEWORK ON PIPE BRIDGE.

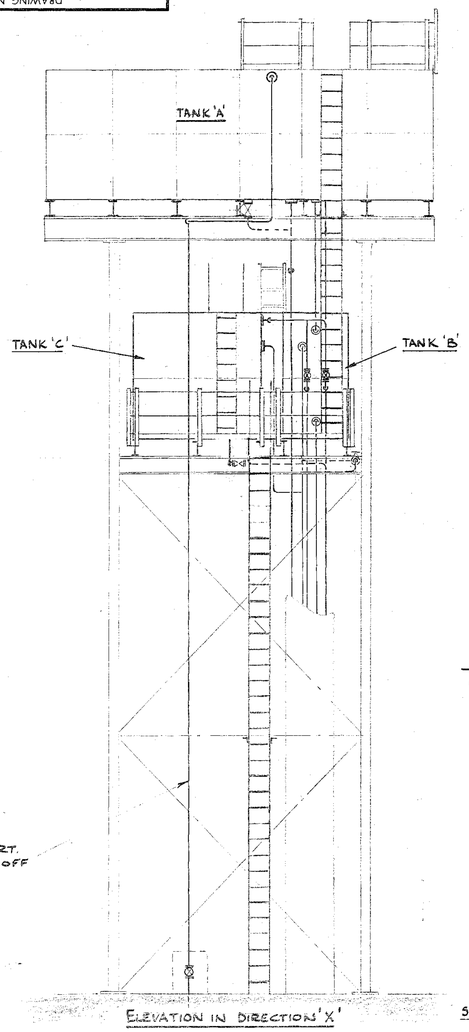
GEORGE WIMPEY & CO. LTD.
DEPT. 1, M. & E. ENGINEERING DIVISION,
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

SCALE	DRAWING NUMBER	ISSUE
	GL·344·M9	1

FOR CONSTRUCTION

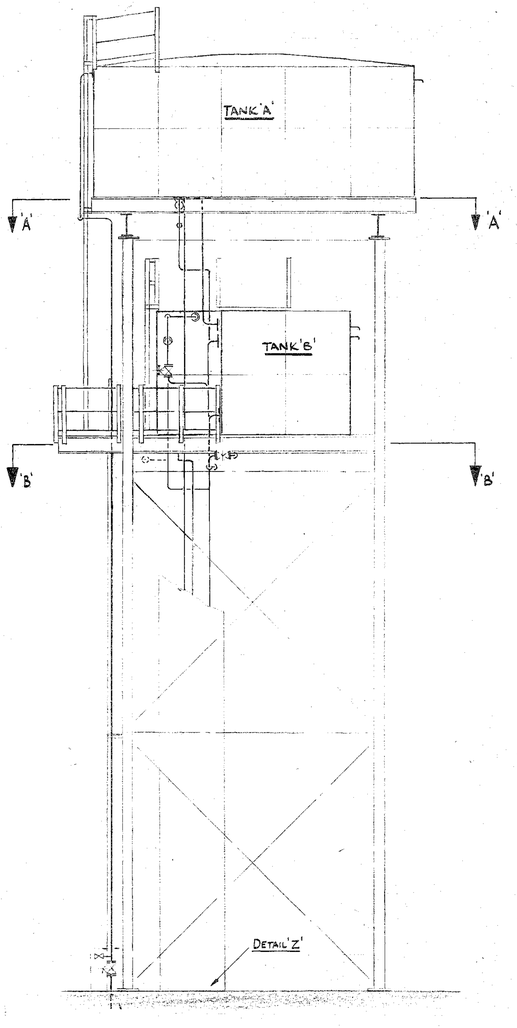
40 x 27 OVERALL

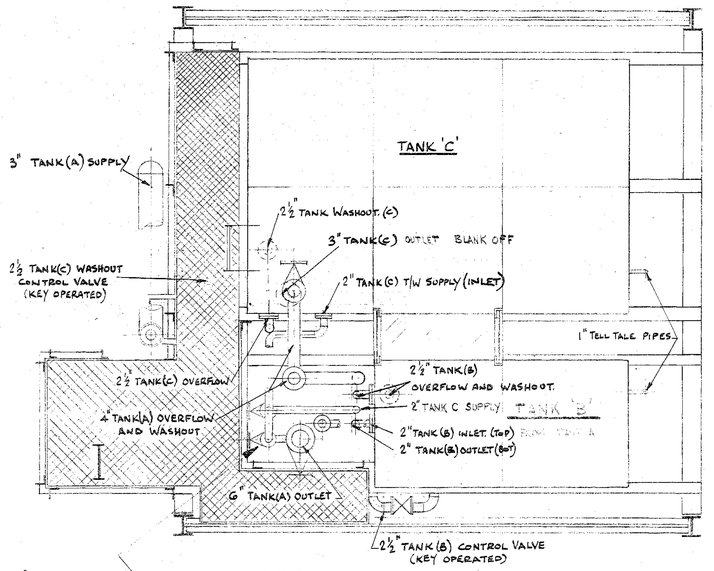
DRAWING NUMBER GL · 344 · D92



ELEVATION IN DIRECTION 'X'

SCALE ¼" : 1'-0"





N

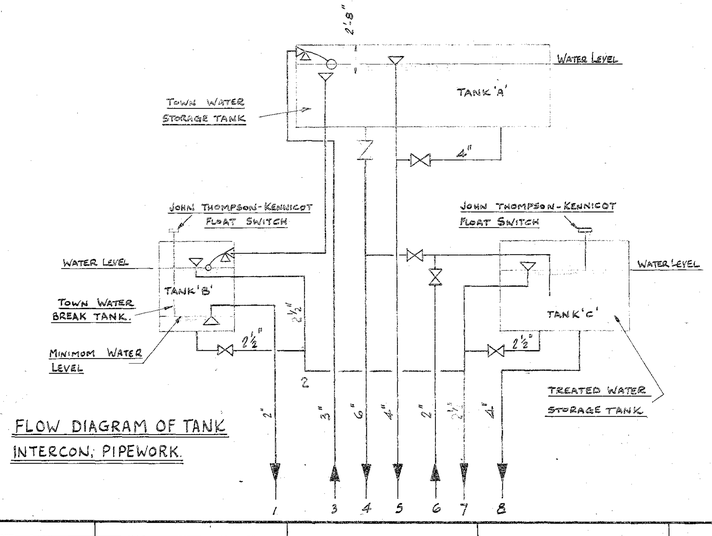
PIPE SUPPORT FRAME S.W.T/2 FITS HERE

SECTION ON A-A

SCALE ½" : 1'-0"

NOTES

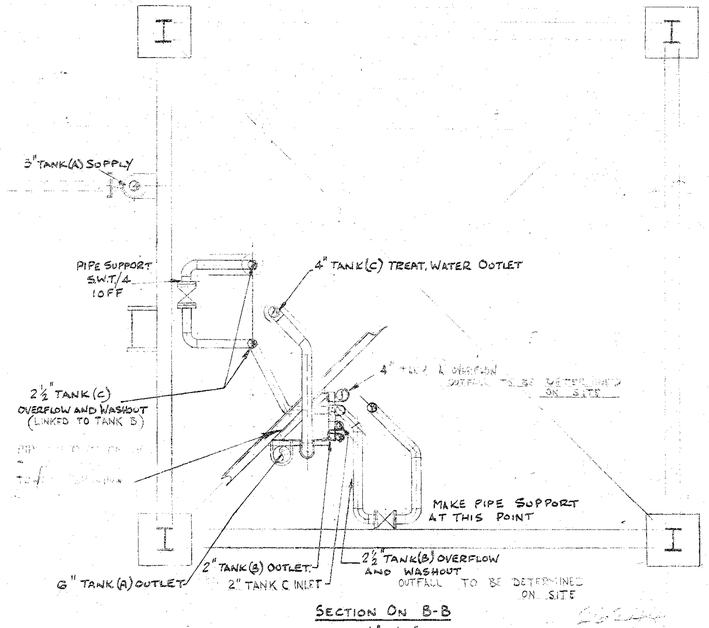
1. FOR DETAIL OF PIPE SUPPORTS SEE DRG. Nº GL·344·D95
2. FOR DETAILS OF LINES FROM TOWER TO W/T PLANT SEE DRG GL·344·D93
3. ALL VALVES ARE TO BE SAUNDERS TYPE 'A' BODY WITH 'S' DIAPHRAGM, EXCEPT ON THE TOWN WATER SUPPLY TO TANK 'A' WHERE A HATTERSLEY C.I. GATE VALVE IS TO BE USED.
4. TOWN WATER SUPPLY TO TANK 'A' AND OUTLET TO DOMESTIC SERVICES TO BE IN CAST IRON



FLOW DIAGRAM OF TANK INTERCON: PIPEWORK.

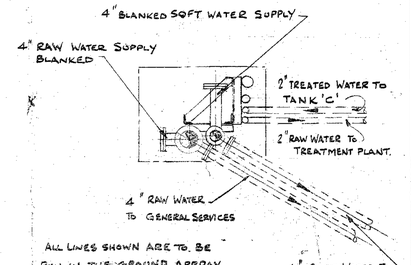
LINE Nº	SIZE Nº	DIRECTION OF FLOW FROM	To
1	2"	BREAK TANK (B)	W/T PLANT.
2	2½"	BREAK TANK OVERFLO'	DRAIN
3	3"	WATER BOARD MAIN	TOWN WATER STORAGE TANK
4	6"	TOWN WATER STOR. TANK	GENERAL SERVICES
5	4"	" " TANK OVERFLO	DRAIN
6	2"	WATER TREAT. PLANT	TREAT WATER TANK (C)
7	2½"	TREAT. WATER TANK OVERF.	DRAIN
8	4"	" " "	SOFT WATER SERVICES
9	2"	TOWN WATER STOR. TANK	TANK 'B'

THERE IS ALSO A WASHOOT LINE FROM THE BOTTOM OF EACH TANK INTO THE OVERFLOW LINE



SECTION ON B-B

SCALE ½" : 1'-0"



ALL LINES SHOWN ARE TO BE RUN IN THE GROUND APPROX 3'-0" BELOW THE SURFACE

DETAIL 'Z'

SHOWING DISPERSAL OF PIPES AT BASE OF WATER TOWER (OVERFLOW PIPES ARE OMITTED.) (P.V.C. PIPEWORK IS DOTTED)

PRELIMINARY PRINT

RAILTRACK 227635LNE

REVISION	DRN	CH'D	C/DM	ENG.	CL'T.	DATE	ISS.
PIPEWORK REVISED TO SUIT CI MAIN	NRL					23·4·68	1
	P.C.					22·6·66	0

CLIENT: BRITISH RAILWAYS (EASTERN REGION)

IMMINGHAM DIESEL SERVICING AND MAINTEN. DEPOT

ARRGT. OF PIPEWORK ON WATER TOWER

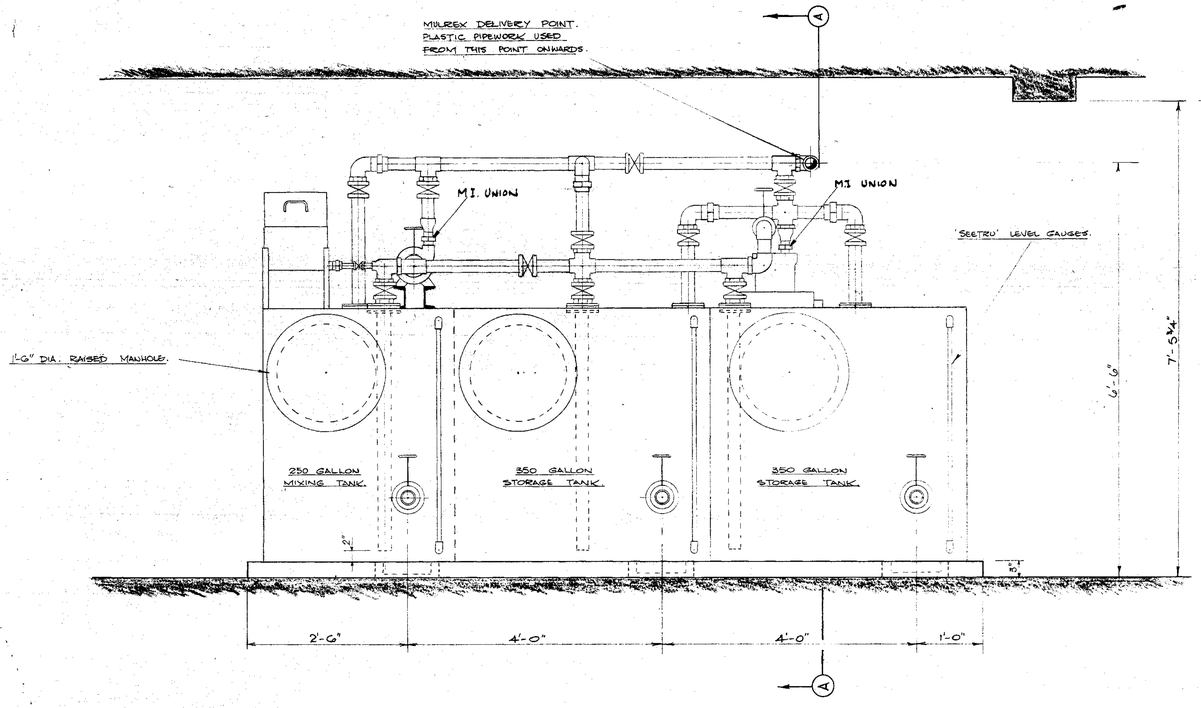
GEORGE WIMPEY & CO. LTD.
DEPT. 1, M. & E. ENGINEERING DIVISION,
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

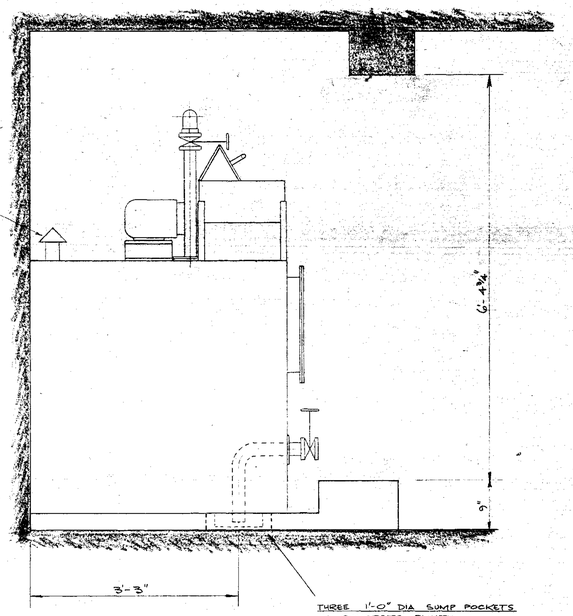
SCALE	DRAWING NUMBER	ISSUE
½"·1'-0" ¼"·1'-0"	GL · 344 · D92	1

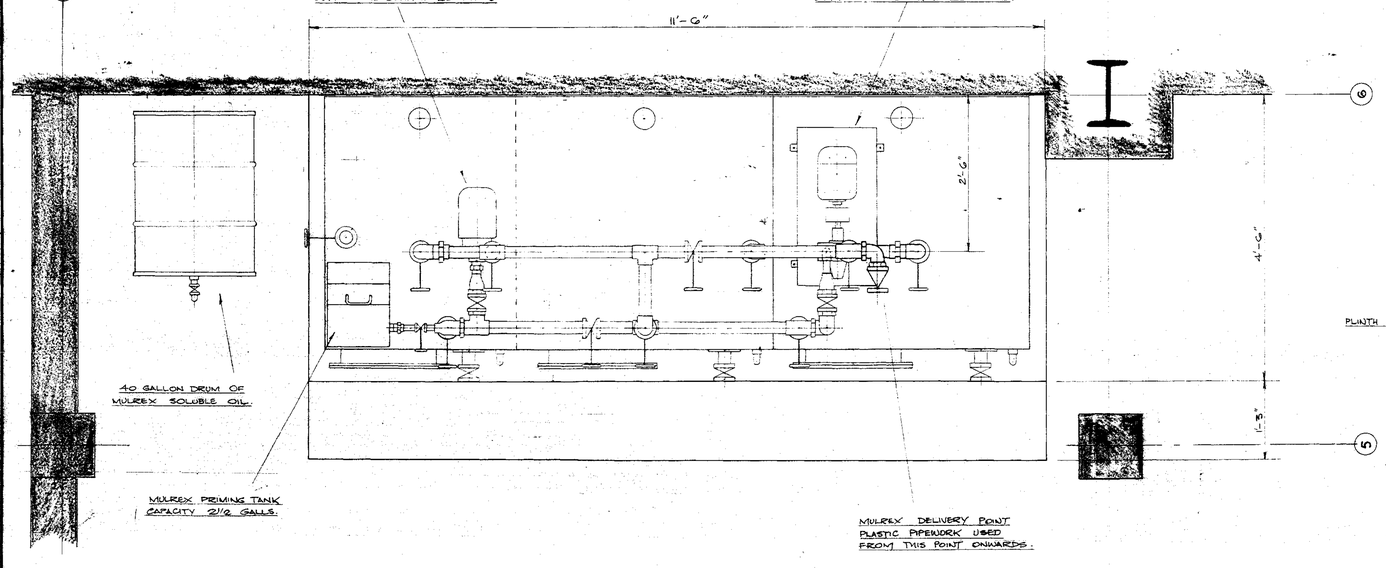
40 x 27 OVERALL

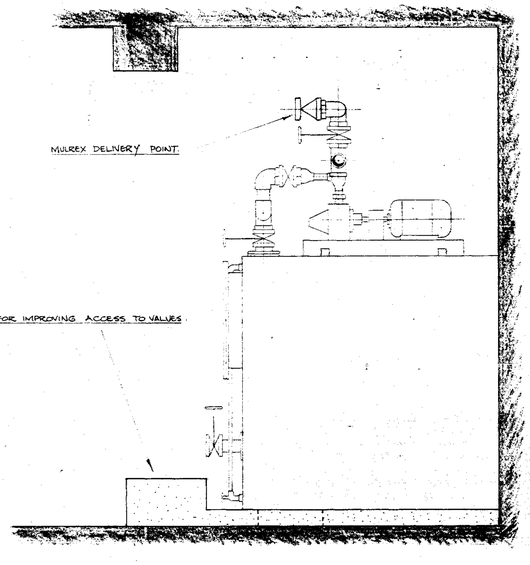
DRAWING NUMBER GL·344·P31

CONTRACT DRAWING Nº 131









VIEW ON A·A

GENERAL PIPING SPECIFICATION

PIPE	:	M.S. SOLID DRAWN HEAVY WEIGHT TO BS 1387.
VALVES	:	SAUNDERS SCRD. C.I. TYPE 'A' DIAPHRAGM.
FITTINGS	:	150lb M.I. BANDED SCRD BSPT TAPER TO BS 143.
FLANGES	:	(TANK CONNECTIONS) SCRD BS 10 PART 2 TABLE 'D'

REFERENCE DRAWINGS

FOR	FLOW DIAGRAM	SEE	EL·344·A1
FOR	GENERAL ARRT.	SEE	RL·344·A2

RAILTRACK
227536LNE

FOR CONSTRUCTION

PIPE NOW B.MS W/A

REVISION	DRN	CH'D	C/DH	ENG.	CL'T.	DATE	ISS.
							28
						4.4.66	A

CLIENT: BRITISH RAILWAYS BOARD (EASTERN REGION)

IMMINGHAM DIESEL SERVICING & MAINTENANCE DEPOT.
ARRT. OF MULREX INSTALLATION.

GEORGE WIMPEY & CO. LTD.
DEPT. 1. M. & E ENGINEERING DIVISION.
FLYOVER HOUSE. BRENTFORD. MIDDLESEX.

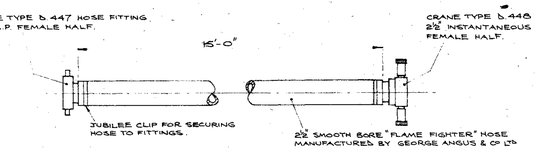
SCALE	DRAWING NUMBER	ISSUE
1"=1'-0"	GL-344-P31.	

40 x 27 OVERALL

26244

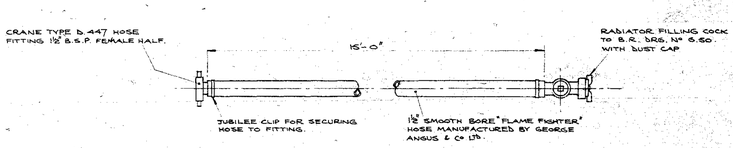
DRAWING NUMBER GL-344-PS.

CONTRACT DRAWING Nº 126



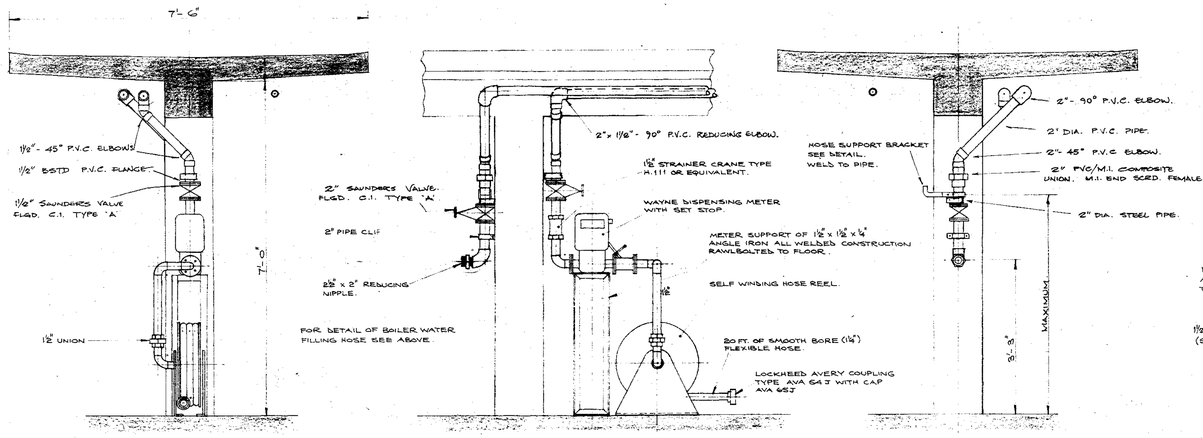
HOSE FOR BOILER WATER POINT.

SCALE : 1½" TO 1 FOOT.



HOSE FOR RADIATOR WATER POINT.

SCALE : 1½" TO 1 FOOT.

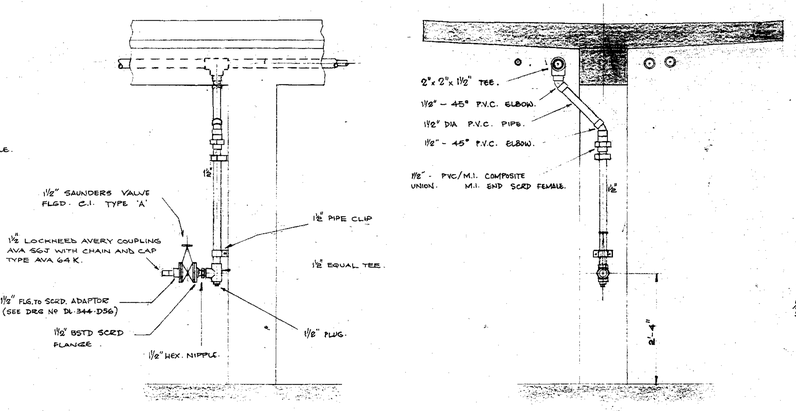


BOILER WATER.

Nº OFF 9

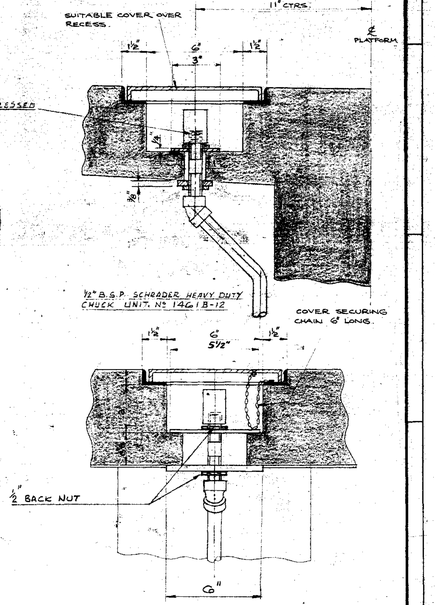
LUBRICATING OIL.

Nº OFF 4



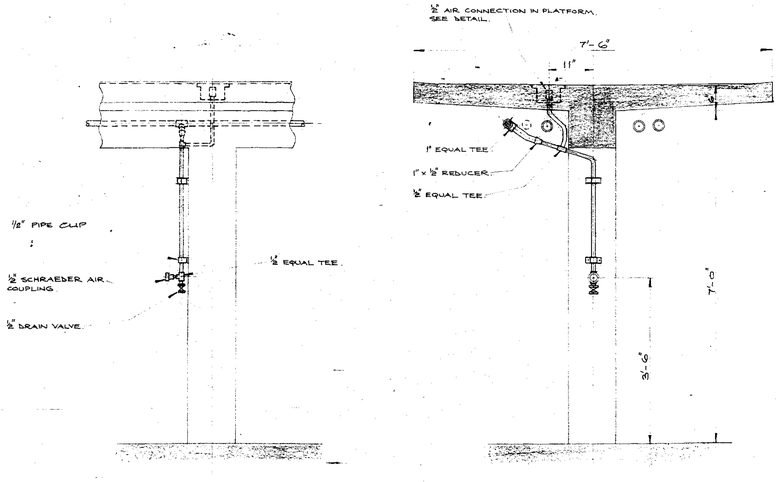
WASTE OIL.

Nº OFF 4



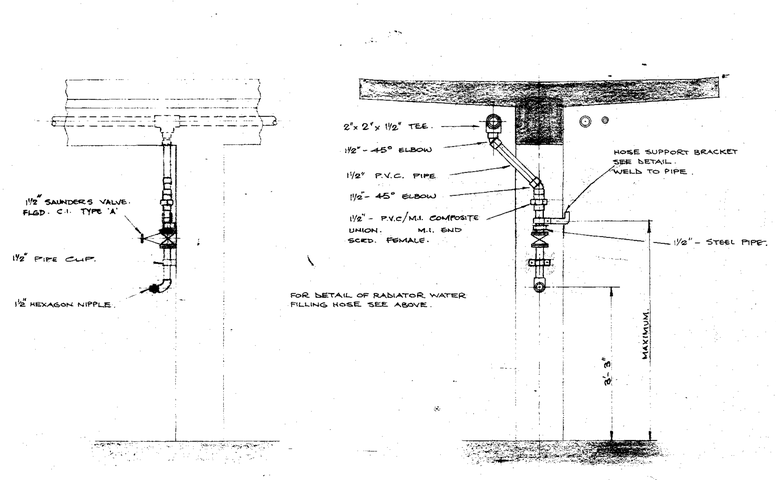
DETAIL OF COMPRESSED AIR POINT IN PLATFORM.

SCALE : ¼ FULL SIZE.



COMPRESSED AIR.

Nº OFF 18

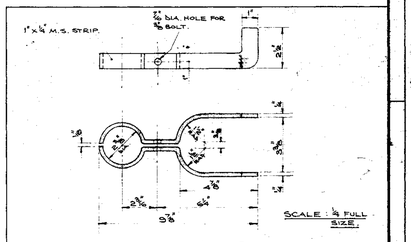


RADIATOR WATER (MULREX).

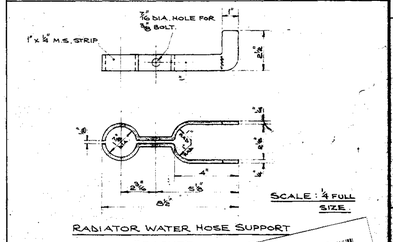
Nº OFF 5

NOTE

WHERE POSSIBLE VERTICAL LINES TO DISPENSERS SHOULD HAVE 2 PIPE CLIPS, AS SHOWN ON DRG GL-344-H83



BOILER WATER HOSE SUPPORT BRACKET.



RADIATOR WATER HOSE SUPPORT BRACKET.

RAILTRACK 27763/LINE

FOR CONSTRUCTION

E 26244

REVISION	DRN.	CH'D	C/DM	ENG.	CLT.	DATE	ISS.
ADDIT. P/S MODIFY AIR POINTIN PLANT.						18-2-44	1
			A.C.			20-5-48	2

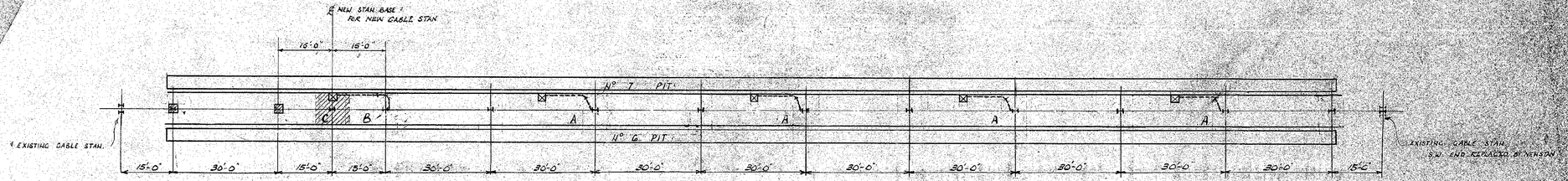
CLIENT : BRITISH RAILWAYS BOARD (EASTERN REGION).

IMMINGHAM DIESEL SERVICING AND MAINTENANCE DEPOT ARRANGEMENT OF CONNECTING POINTS UNDER PLATFORMS IN LOCO. MAINTENANCE SHED.

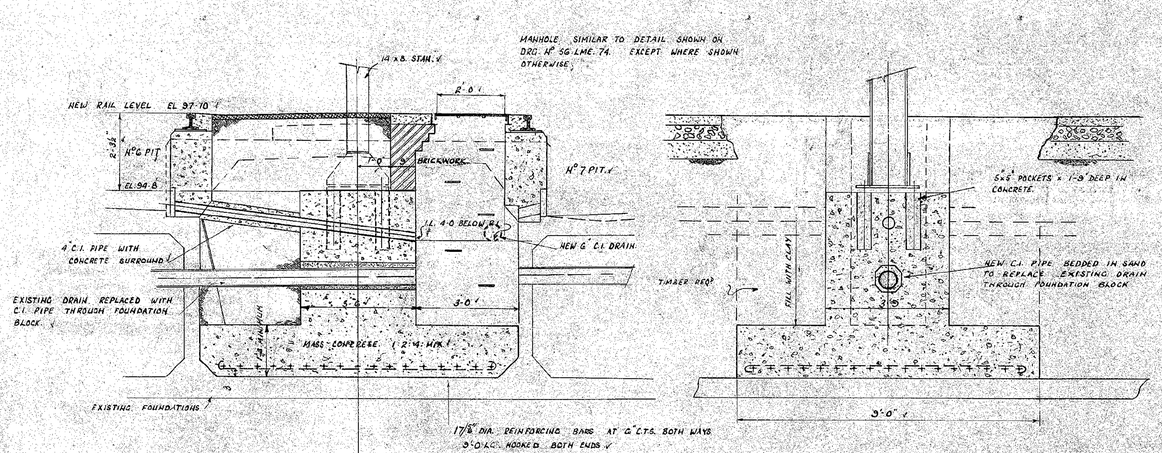
GEORGE WIMPEY & CO. LTD.
DEPT. 1. M. & E. ENGINEERING DIVISION.
FLYOVER HOUSE, BRENTFORD, MIDDLESEX.

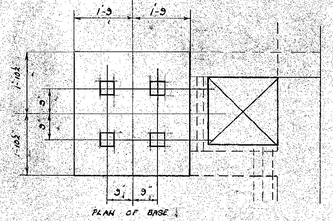
SCALE	DRAWING NUMBER	ISSUE
¾" TO 1 FOOT.	GL-344-PS.	1

40 x 27 OVERALL

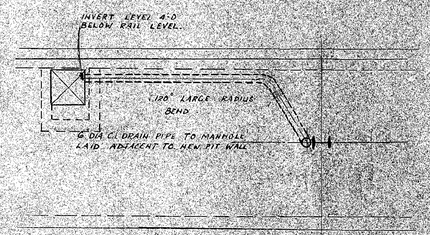


PLAN OF Nº 6 & 7 PITS SHOWING DRAINAGE TO MANHOLES.

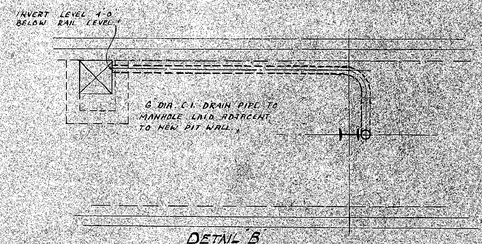




FOUNDATION FOR NEW GABLE STANCHION AT C



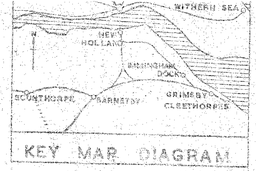
DETAIL A



DETAIL B

DETAILS OF C.I. DRAINS TO BE LAID

B.T.C. BRITISH RAILWAYS CHIEF ENGINEER'S DEPT.	EASTERN REGION KINGS CROSS STATION
REVISED 3-8-58. A. DRAINS & FOUNDATION IN WORKS MAINTENANCE CONTROL NOT CARRIED OUT	IMMINGHAM M.P.D. RECONSTRUCTION OF ENGINE SHED ROOF NEW STANCHION BASE & DRAINAGE REQUIRED FOR RECONSTRUCTION OF ROOF.
D.E. CORR C.E.	APPROVED: SCALES 16" = 1'-0"
M.E. BM 26355	
E.R.R. J.M.	[redacted] D.E.'s No.
	C.E.'s No. 56 MC BM 128
SHEET 7 OF 12	



KEY MAP DIAGRAM

NEW 6" F.W. MAIN

EXISTING 3" DRAIN FROM WATER SOFTENER

EXISTING 3" F.W. MAIN

PROVIDE BRICK-ON-EDGE KERB FOR WATER TAP GULLEY W

WATER MAIN

CONCRETE RAMP TO OIL STORE TO BE SHORTENED & MADE GOOD.

COMBINED OIL STORE AND PUMP HOUSE

EXISTING INTERCEPTOR PIT TO BE ABANDONED.

6" to 4" BORE JUNCTION

TANK APRON

EXISTING B.H. TRACK ADJACENT TO FUELLING POINT TO BE REPLACED BY SERVICEABLE 109 LB. F.B. MATERIAL. JOINTS TO BE LOCATED CLEAR OF TRAYS.

FOR DETAILS OF DRAINAGE TRAYS, FIXING, ETC., SEE DRG. No. 60LC3/62.

R.L. 25.58
17'-6"
R.L. 25.57
I.L. 24.48
I.L. 23.97
I.L. 23.90
R.L. 25.50
R.L. 25.32
R.L. 25.44
R.L. 25.32
W
C
4" I.P.
S.G.W. PIPE
700' R
EXPANSION JOINT
3,000 GAL. MESS CHAMBER
NEW MANHOLE I.L. 22.86
R.L. 25.42
R.L. 25.24
T.B.M.
SLEEPER CROSSING

FUEL DELIVERY PIPE DUCT TO BE BROKEN AT 'Z' TO RECEIVE CESS DRAINAGE CHANNEL. PIPE DUCT TO BE BLOCKED OFF WITH IN-SITU CONCRETE STOP ON EACH SIDE OF BREAK, AND WHOLE TO BE MADE GOOD.

NEW INTERCEPTOR PIT.

M.H. WHARF DIE

EDGES OF EXISTING CONCRETE APRON TO BE BROKEN OUT ADJACENT TO DRAINAGE TRAYS TO ACCOMODATE CESS DRAINAGE CHANNELS. CESS CHANNELS TO BE LAID TO FALL TOWARDS 'Y' JUNCTION PIPE (Messrs. BROADS' TYPE H495, WITH RAISING PIECE, OR SIMILAR). EXISTING CONCRETE APRON SURFACE TO BE CUT OUT TO DEPTH OF 1" AND REPLACED WITH NEW "METAROCK" FINISH SCREEDED TO FALL 2" FROM CENTRE TO CESS DRAINAGE CHANNEL AT EACH SIDE. DUCT COVERS OVER FUEL DELIVERY PIPE TO BE RESET AS NECESSARY.

ASSUMED RAIL LEVEL

6" SOIL DRAIN

6" X 2" TIMBER KERB TO BE FIXED ALONG-SIDE UPSTANDING EDGES OF DRAINAGE TRAYS AT SLEEPER ENDS.

TRAPPED GULLEY CONNECTION AT 'X' INTO 4" ø C.I. PIPE, UNDER TRACK TO BE PROVIDED FROM DRAINAGE CHANNEL NEAR SUCTION POINT 'B' INTO NEW MANHOLE. TRACK BEING RENEWED IN F.B. MATERIAL TO BE RELAID WITHOUT CANT AND LEVEL.

A - DISCHARGE POINT FOR ROAD TANKER.
B - WAGON SUCTION POINT.
C - LOCO FUELLING POINT.
D - MESS ROOM FUELLING POINT.

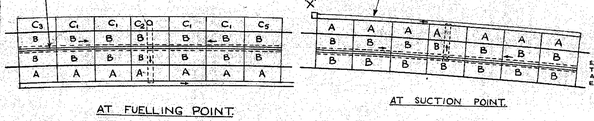
LEVELS.

FIGURES THUS:- 25.41 ARE RAIL (R.L.) OR INVERT (I.L.) LEVELS RELATED TO T.B.M., VALUE. 26.07 ON TOP OF CONCRETE KERB AT ROAD DELIVERY POINT.

DRAINAGE GULLEY I.L.'s SHEWN ARE APPROX. ONLY AND SHOULD BE NOT LESS THAN 1'-4" BELOW ADJACENT RAIL LEVEL.

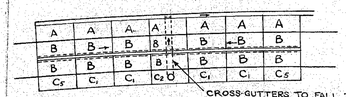
LONGITUDINAL GUTTERS TO FALL TO DISCHARGE INTO CROSS GUTTERS.

6" H.R. CHANNEL DRAIN TO DISCHARGE INTO TRAPPED GULLEY AT 'X'.

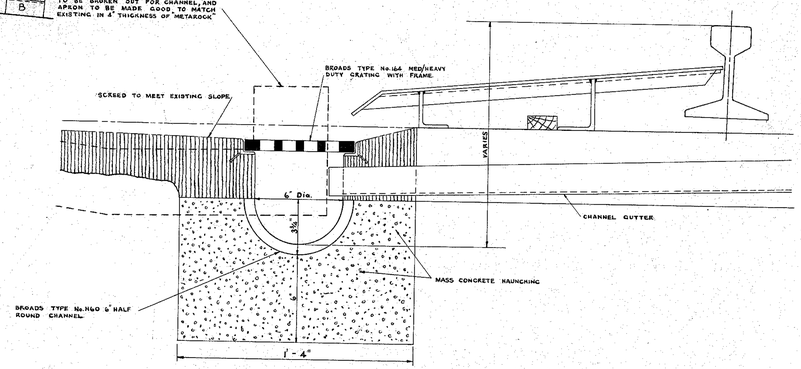


AT FUELLING POINT.

AT SUCTION POINT.



ARRANGEMENT OF DRAINAGE TRAY UNITS.



THIS DRAWING TO BE READ IN CONJUNCTION WITH:-
DRG. No. 60 LC3/62 (DETAILS OF DRAINAGE TRAYS).
DRG. No. 60 LME STANDARD DIESEL INTERCEPTOR PIT.
DRG. No. 55 LME 44C (MANHOLE DETAILS) - CESS TYPE.

B.T.C. BRITISH RAILWAYS — EASTERN REGION
CHIEF CIVIL ENGINEER'S DEPT. — KINGS CROSS STATION

REVISED

LYMINGHAM

DIESEL FUELLING POINT
PROVISION OF DRAINAGE TRAYS

E.C. COMMENCED — APPROVED 22 APL 60 — SCALE 3 INS. TO 1 FOOT.

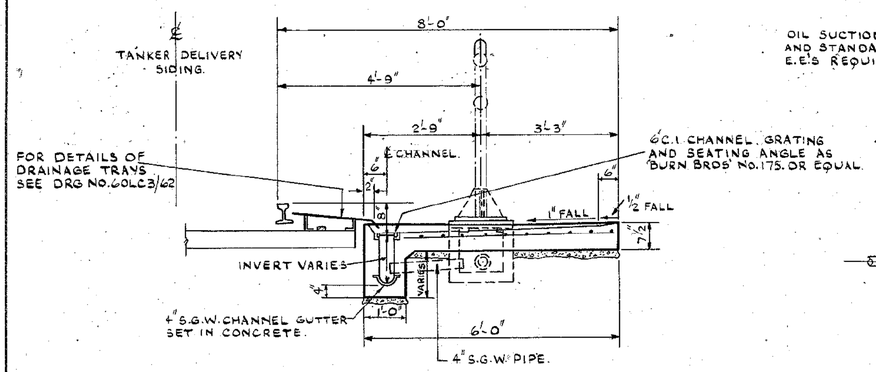
ME 36935
V.S.
V.S.
GET. I.O.

ASST. ENGINEER (W.M.)

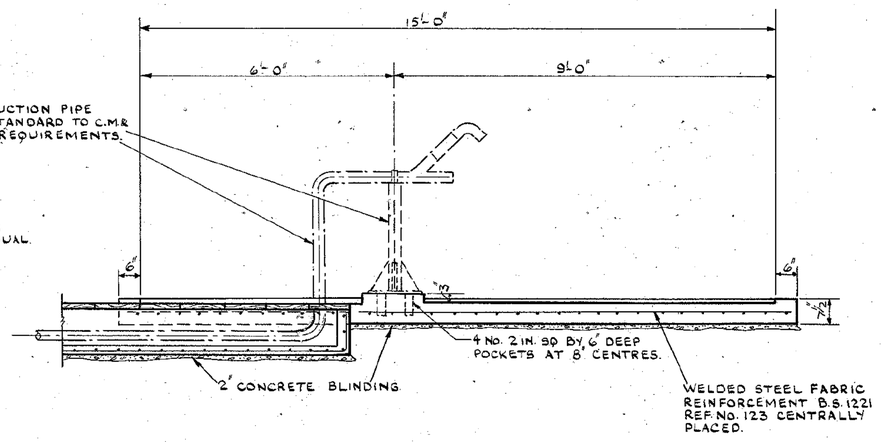
C708
60 LME 50

C
PH 708 E765/2

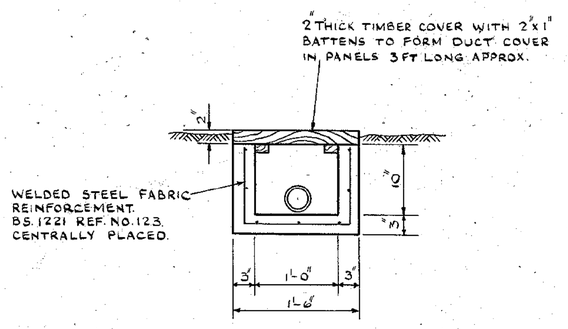
CONTRACT
DRAWING No.146.



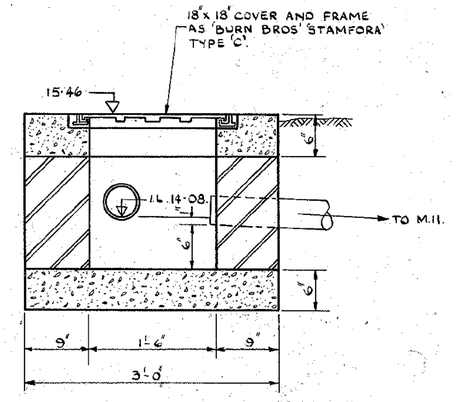
A–A.



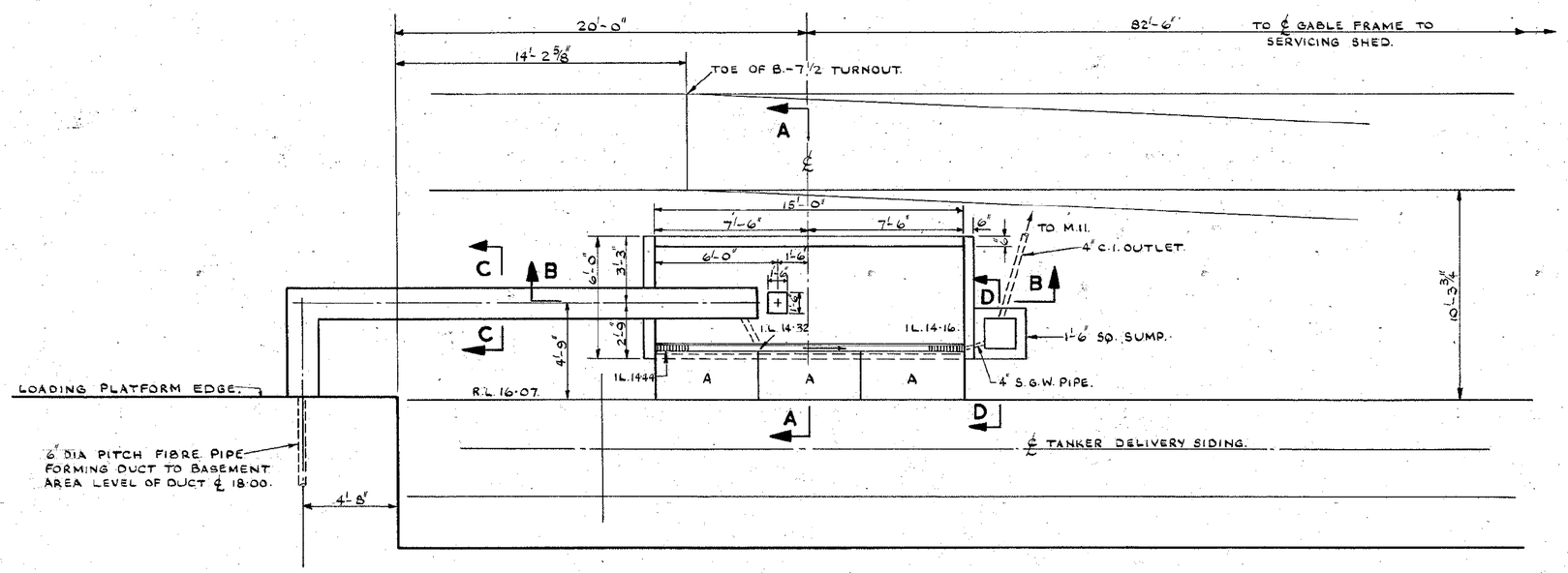
B–B.



C–C.



D D.

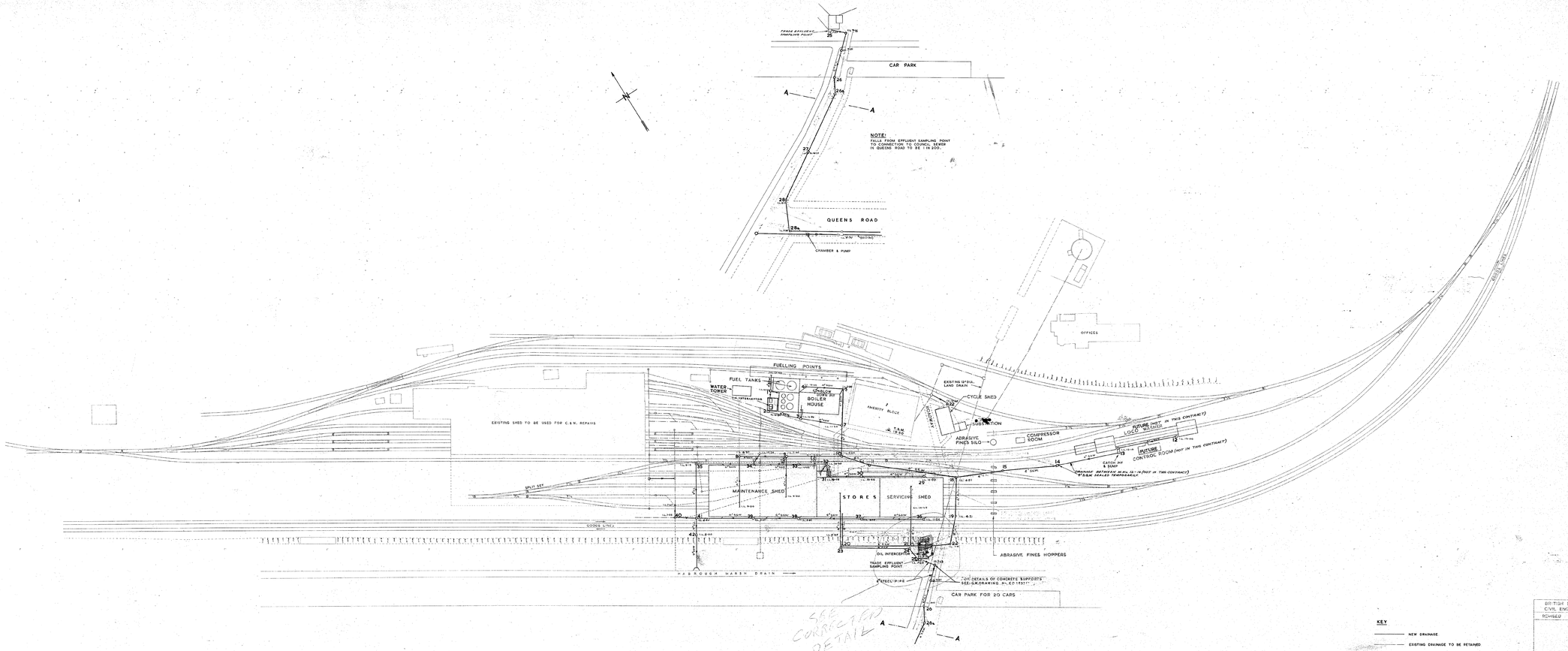


PLAN.

BRITISH RAILWAYS BOARD. CIVIL ENGINEER'S DEPT.			EASTERN REGION KING'S CROSS STATION	
REVISED	IMMINGHAM. DIESEL MAINTENANCE AND SERVICING DEPOT. LUBRICATING OIL OFF-LOADING POINT.			
D.E. CORRES. C.E.	APPROVED	4. 10. 65	SCALES— 1/4", 1/2", & 1" = 1 FT.	
NW 27568	N.J.N.			
A.I. D.S.	J. D. WEST	[redacted]	D.E's. No.	
M.L.			C.E's. No.	65NW/307
SHEET OF		CIVIL ENGINEER		

E765/3 B.R.906/28 C709

CONTRACT DRAWING No 43



NOTES:

1. ALL PIPES TO BE CASED IN CONCRETE 6" THICK.
2. CONCRETE TO BE 1:2:4 (3/4") MIX.
3. ALL FALLS ARE 1 IN 100 UNLESS OTHERWISE SPECIFIED.
4. INVERT LEVELS SHOWN THUS (L.9·15) AND INDICATE THE LEVEL OF OUTLET PIPE.
5. ALL LEVELS REFER TO ORDNANCE DATUM NEWLYN.
6. T.B.M. 19·80 ON STEP OF AMENITY BLOCK FOYER.
7. ALL PIPES PASSING UNDER TRACKS TO BE C.I. AND HAVE INVERT LEVELS 4'0" MIN. BELOW RAIL LEVEL.
8. ALL EXPOSED PIPES TO HAVE FIBRE GLASS LAGGING 2" THICK WRAPPED IN LASSO.
9. FOR DETAILS OF OIL INTERCEPTORS SEE DRG. No. W.0.C.B/274.
10. FOR DETAILS OF OIL INTERCEPTOR LAYOUTS SEE DRG. No. M.W.D.W. E.D. 1837/2 & 3.
11. WHERE NEW DRAINS CONNECT TO AND RECEIVE FROM EXISTING DRAINS THE NEW DRAINS TO BE AT LEAST THE DIAMETER OF THE EXISTING DRAINS.

KEY

——— NEW DRAINAGE
——— EXISTING DRAINAGE TO BE RETAINED
- - - - - EXISTING DRAINAGE TO BE ABANDONED

BRITISH RAILWAYS BOARD
CIVIL ENGINEER'S DEPT.
EASTERN REGION
KING'S CROSS STATION

REVISED

IMMINGHAM
DIESEL MAINTENANCE AND SERVICING DEPOT
DRAINAGE LAYOUT

S.E. COMPTR. C.E. | APPROVED 29.4.65 | SCALES 40 FEET TO 1 INCH
W.O. 29468 M.J.M.
A.D.
RAH.B.
S.M.
DES.
CHKD.
Drg. Cat. No. 65/NW/48

(103)

PH 709 E 765/3