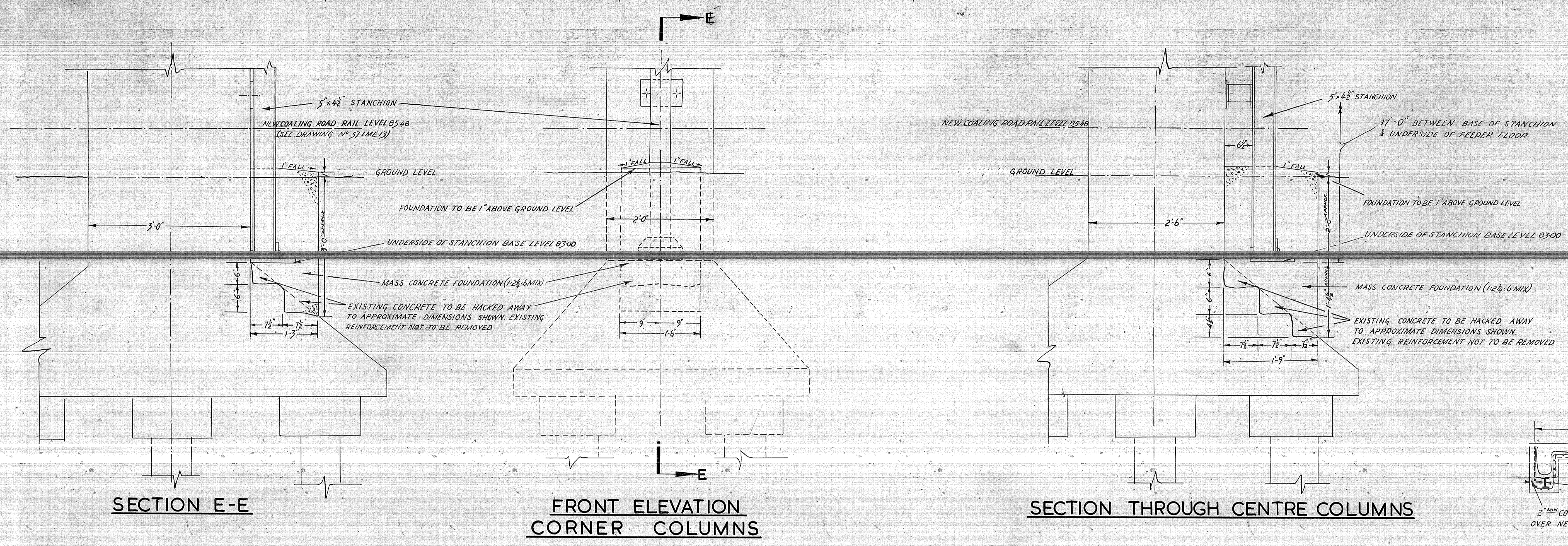


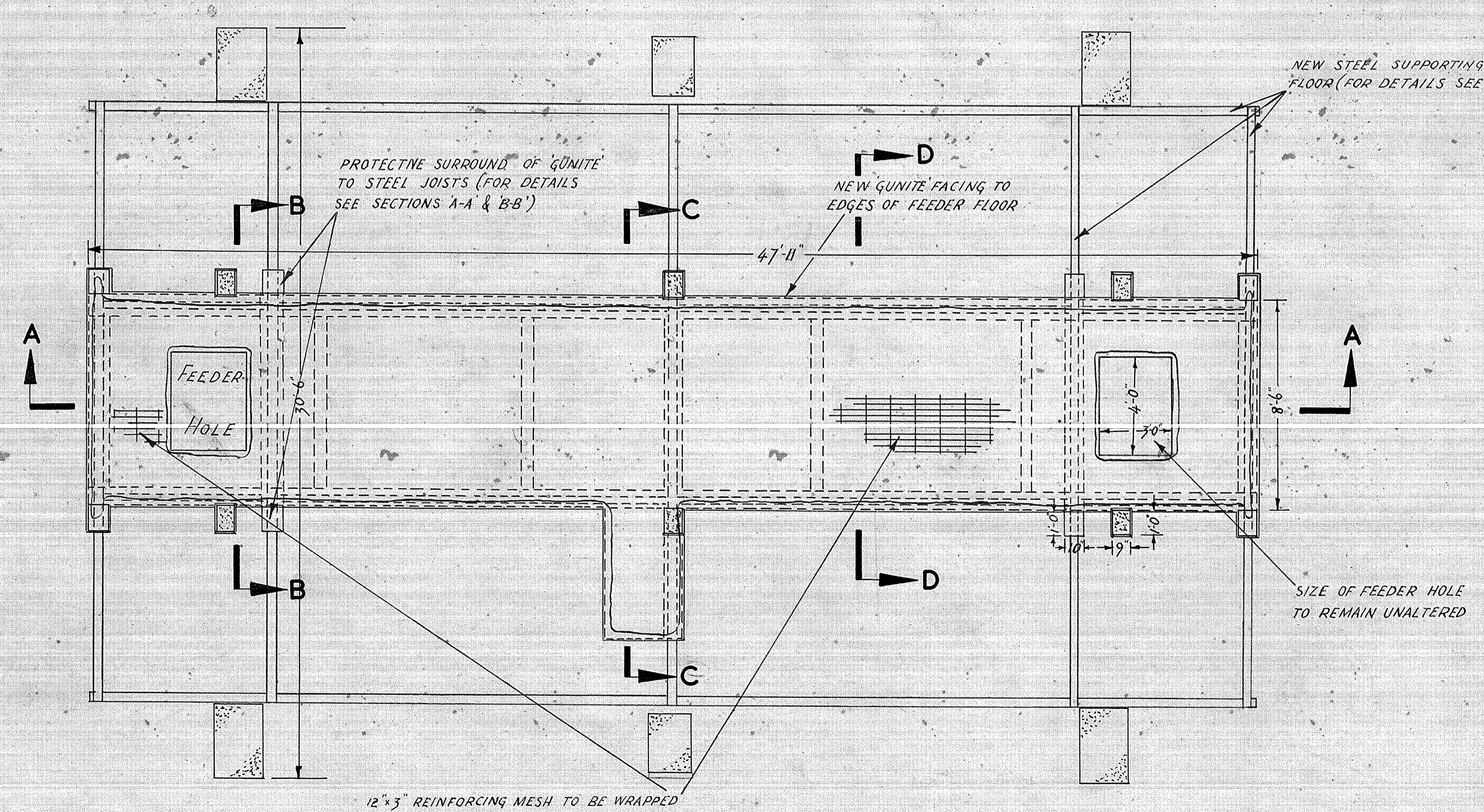
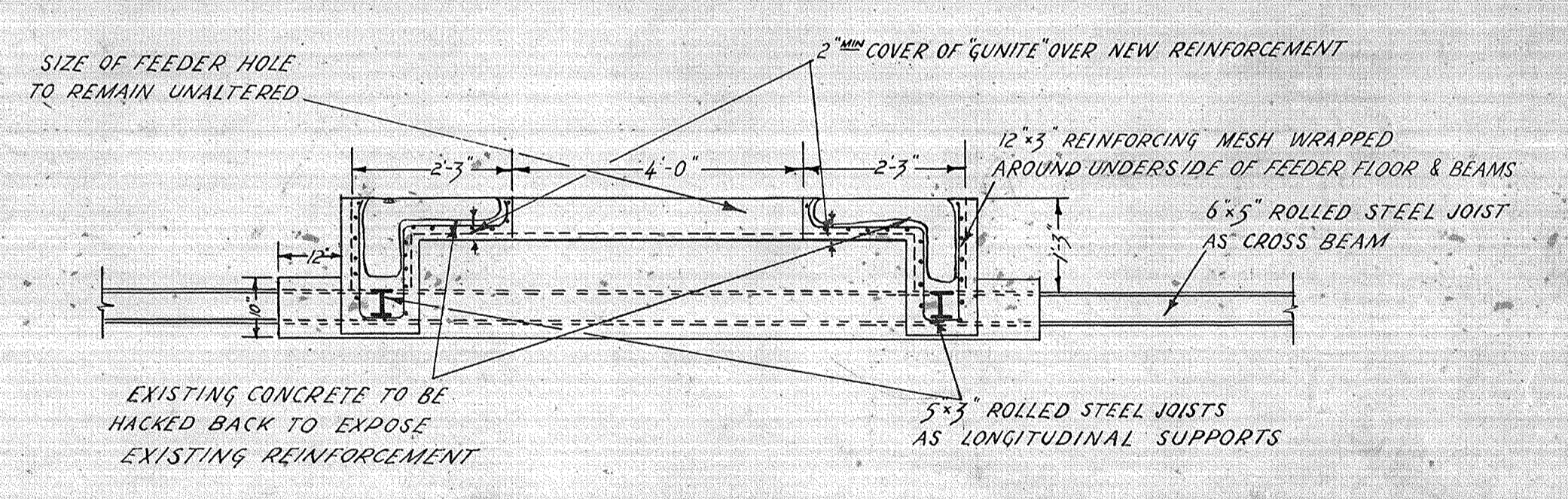
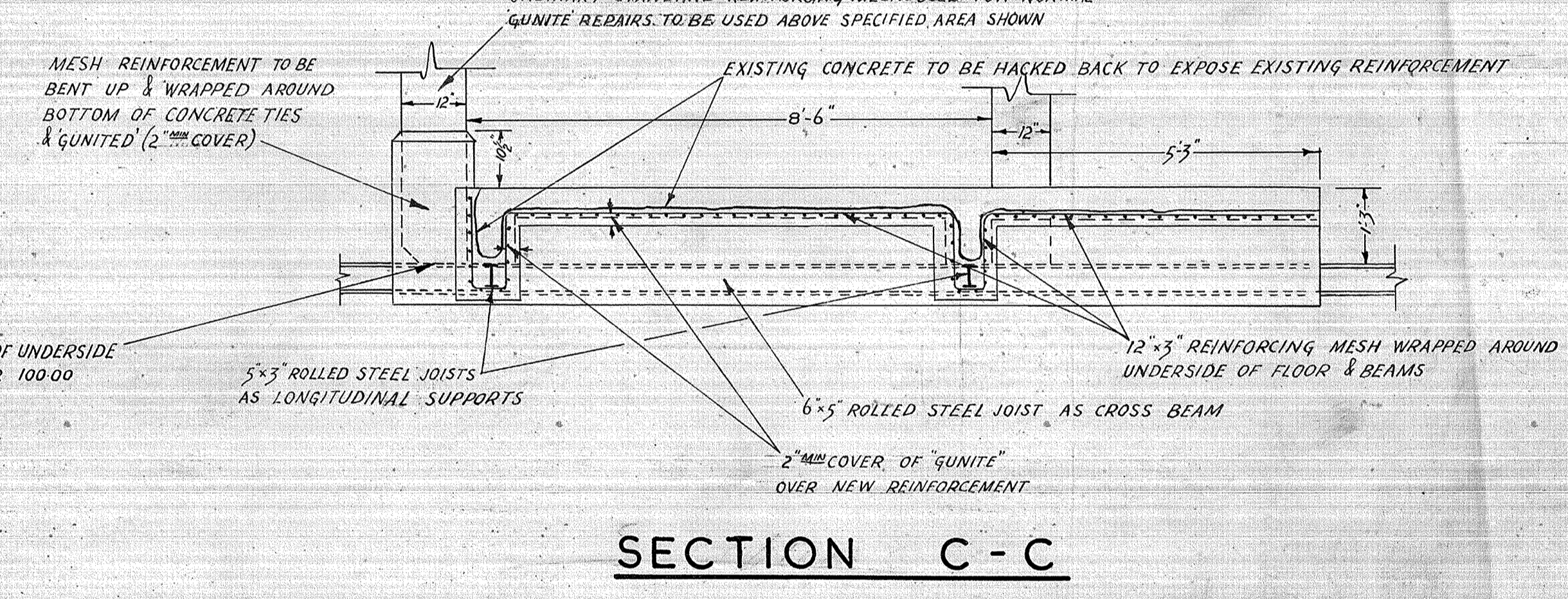
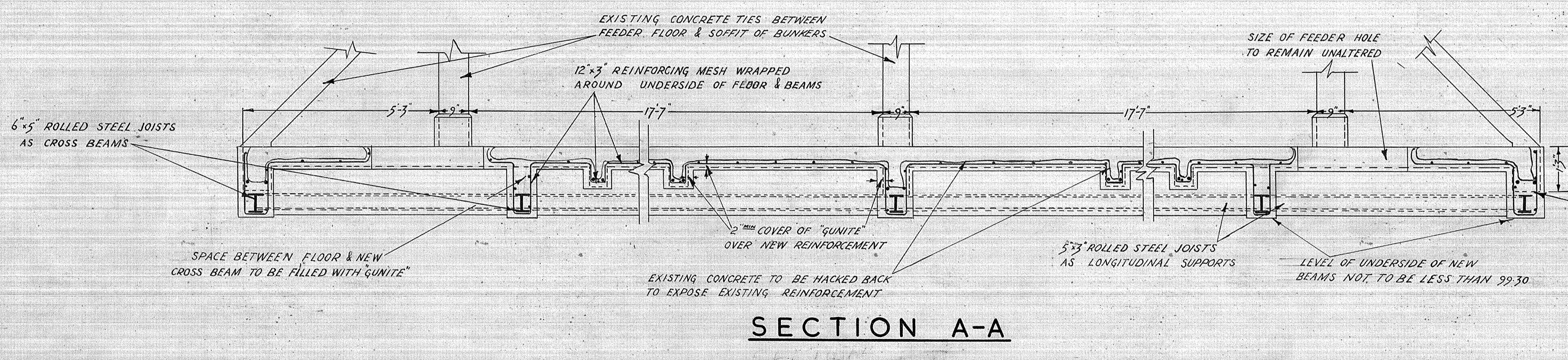
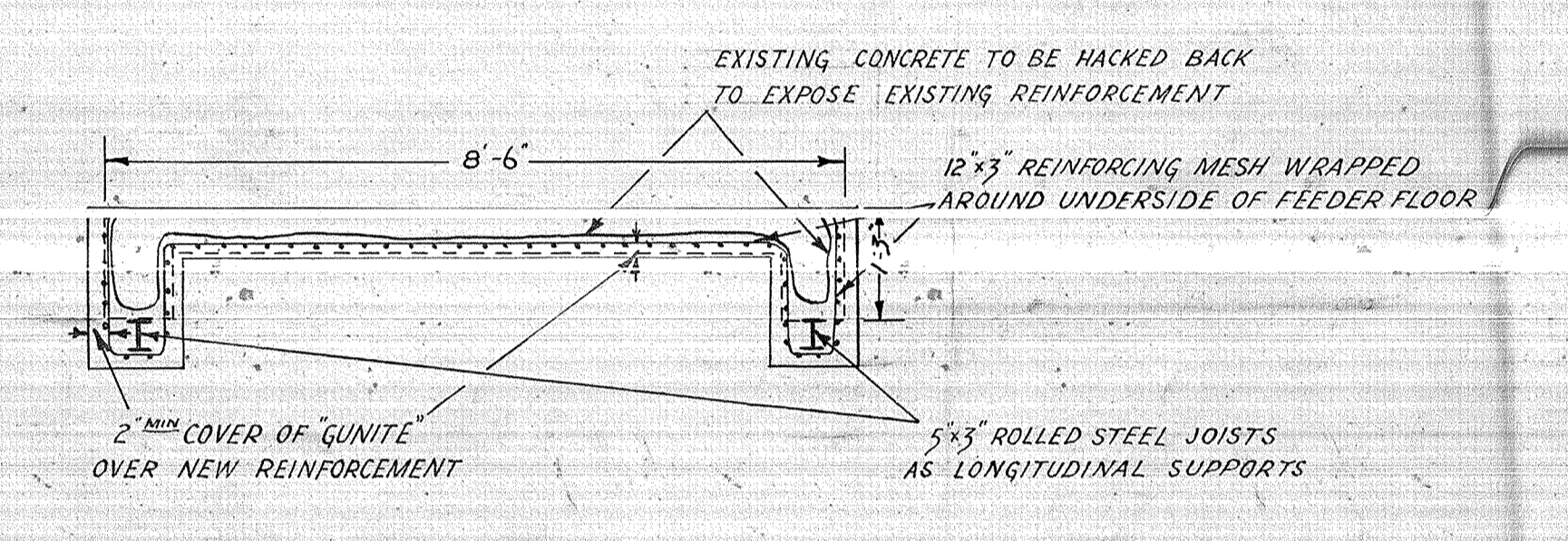
## Appendix D – Utilities Report (3/6)





DETAILS OF STANCHION FOUNDATIONS

SCALE: - 1 FOOT - 1 INCH



- NOTES-
- 1) REINFORCING MESH REINFORCING MESH TO UNDERSIDE OF FEEDER FLOOR & BEAMS TO CONFORM TO BS3111:1945 TABLE A1, REINFORCING MESH.
  - 2) LAPPING OF REINFORCING ALL REINFORCING MESH IS TO BE LAID IN THE DIRECTION SHOWN ON THE PLAN & ALL JOINTS ARE TO BE LAPPED 12" LONGITUDINAL & 6" CROSSWISE.
  - 3) 'GUNIT' COVER ALL 'GUNIT' MUST BE 2" 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

SCALE: - 4 & 2 FEET - 1 INCH

RAILTRACK  
147087LINE

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

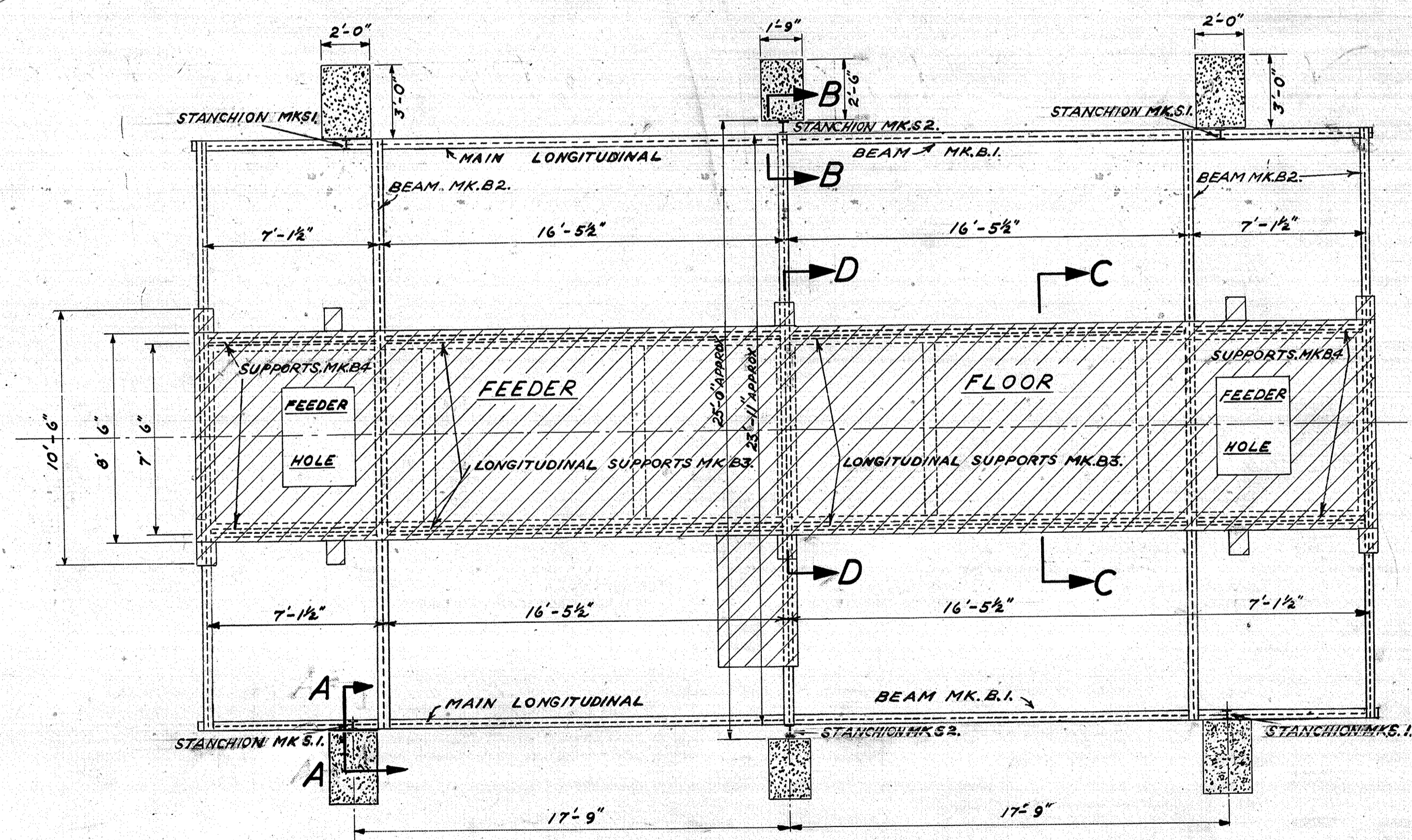
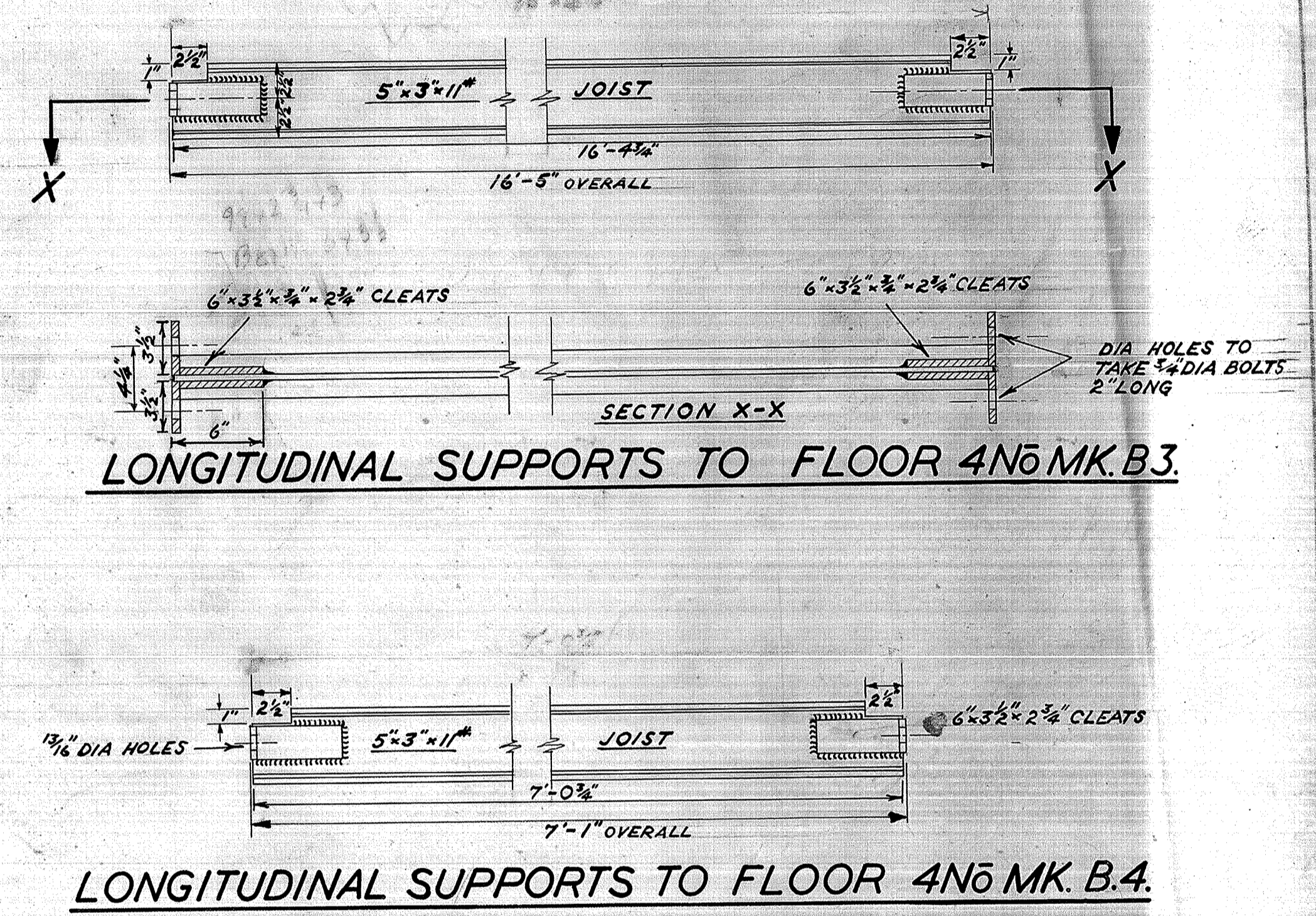
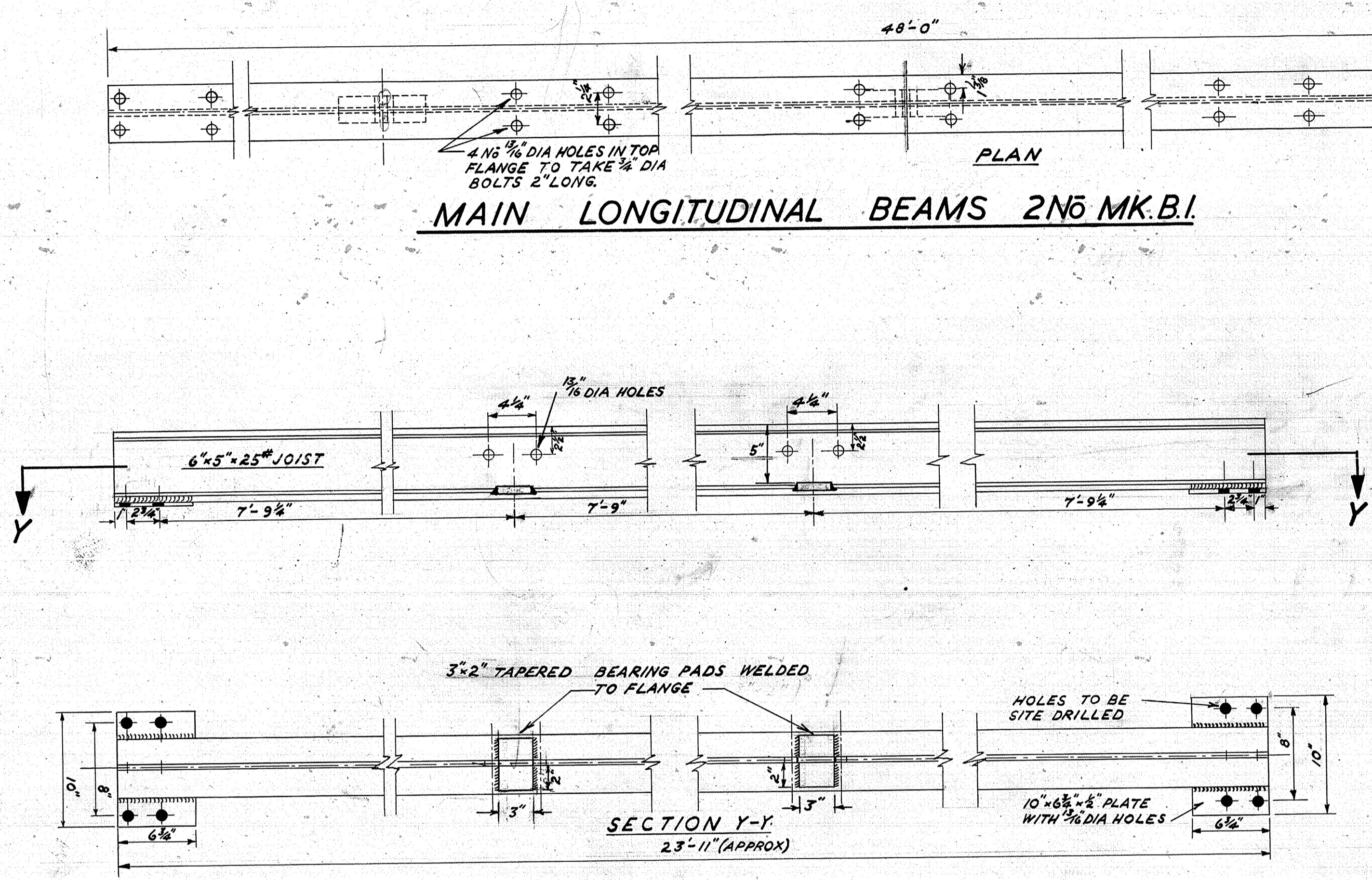
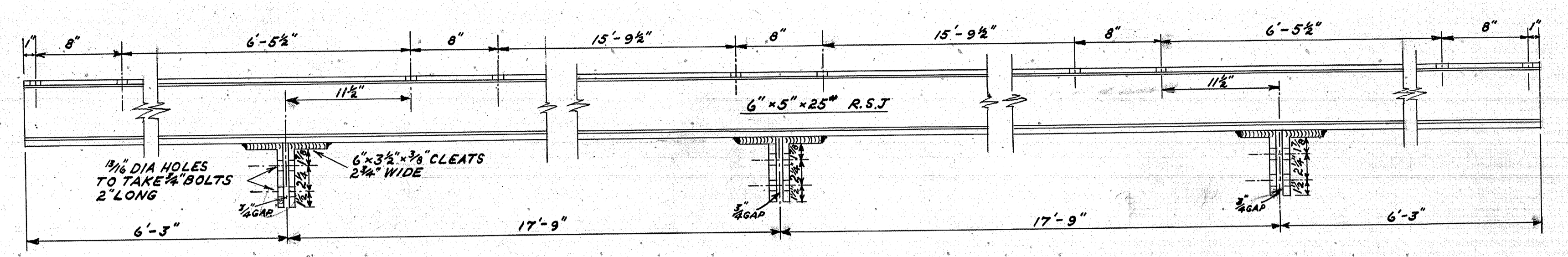
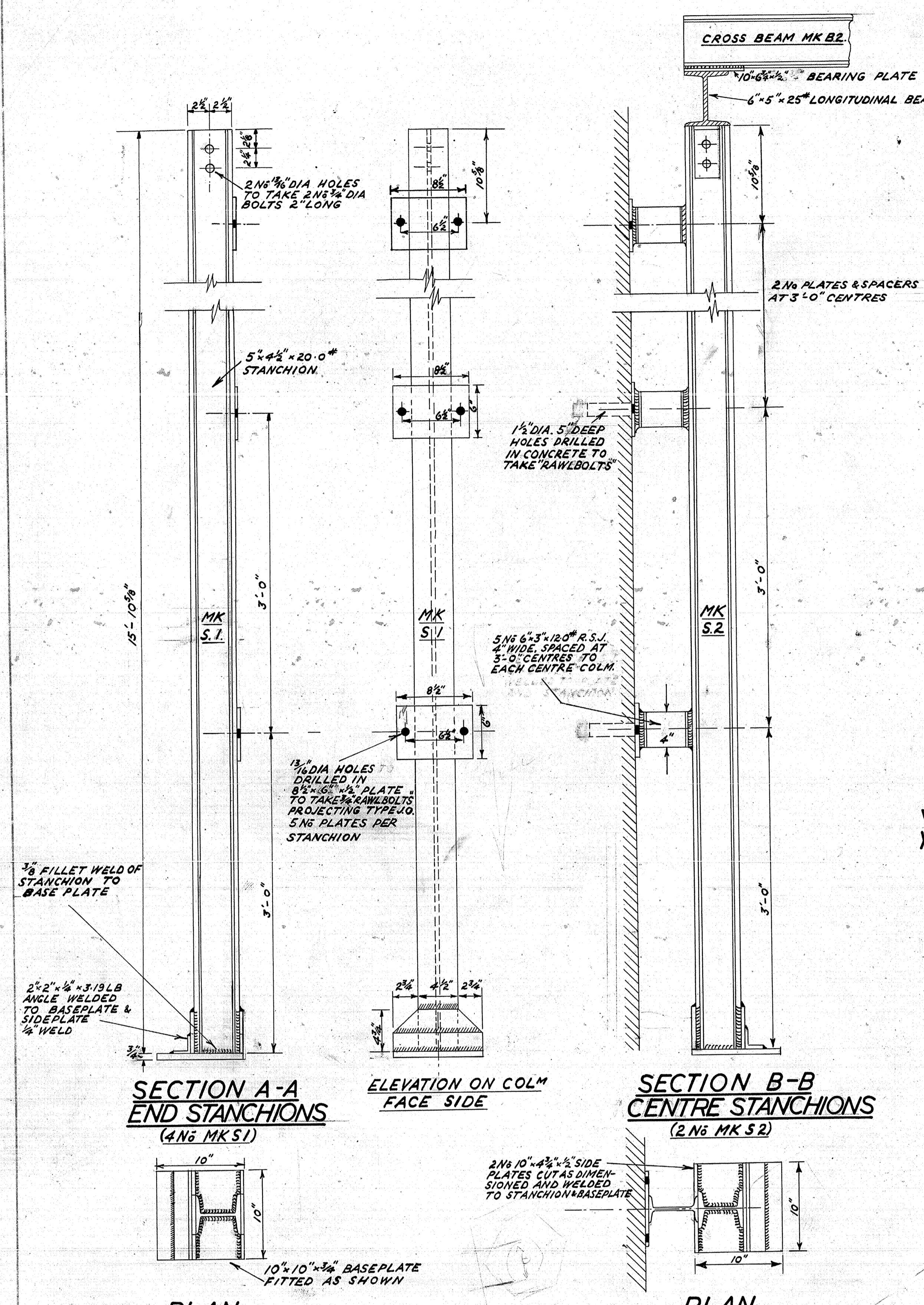
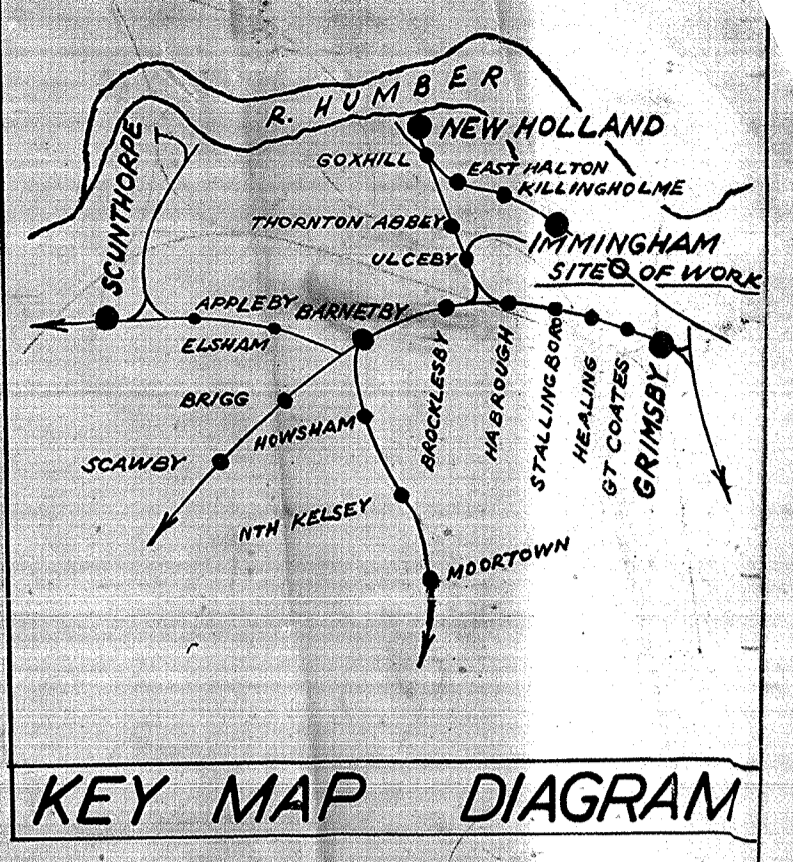
REVISOR: M.E. 25195  
A.J.S. A.J.S. ASSISTANT ENGINEER

**IMMINGHAM DOCK LOCO REPAIRS TO COALING PLANT**  
DETAILS OF STANCHION FOUNDATIONS & REPAIRS TO FEEDER FLOOR

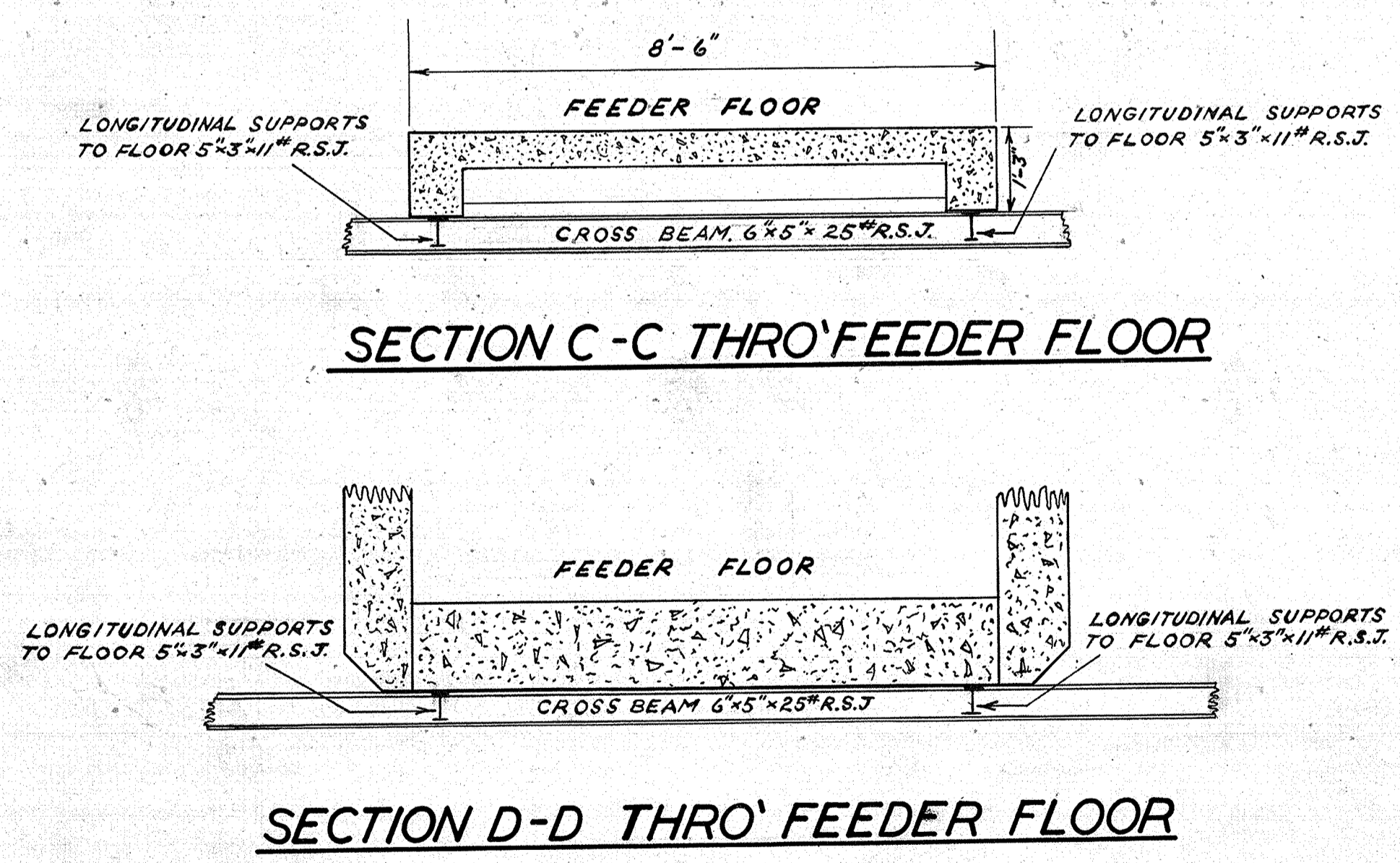
SCALE: - 4.2 & 1 FEET - 1 INCH  
SHEET 2 OF 4  
58.LME.71

F 765 PH 703





NOTES  
 FOR DETAILS OF CONCRETE REPAIRS TO FEEDER FLOOR AND STANCHION FOUNDATIONS SEE DRAWING N638 LME.71.  
 FOR DETAILS OF GENERAL REPAIRS TO REMAINDER OF PLANT SEE DRAWING N637 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 1/8" DIA. FOR 1/2" BOLTS.  
 HOLES SHOWN THUS ⌀ DRILLED PRIOR TO ERECTION.  
 HOLES SHOWN THUS ⚭ DRILLED DURING ERECTION.  
 ALL WELDING SHOWN TO BE 1/4" FILLET WELDS TO CONFORM TO B.S. 528, UNLESS OTHERWISE NOTED.

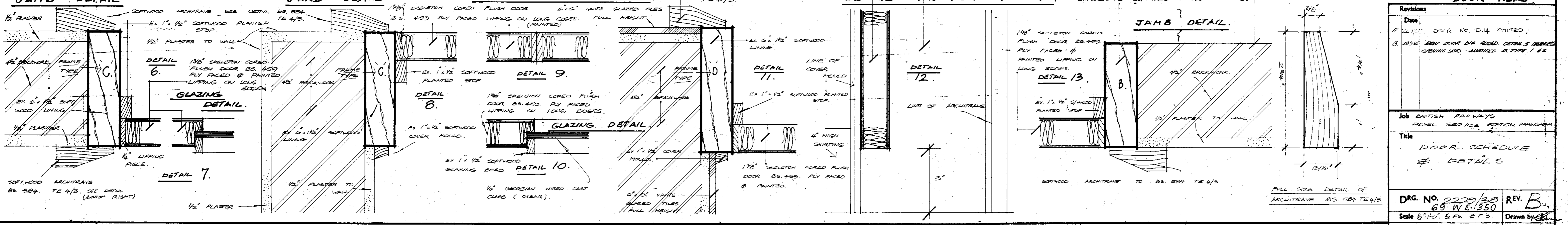
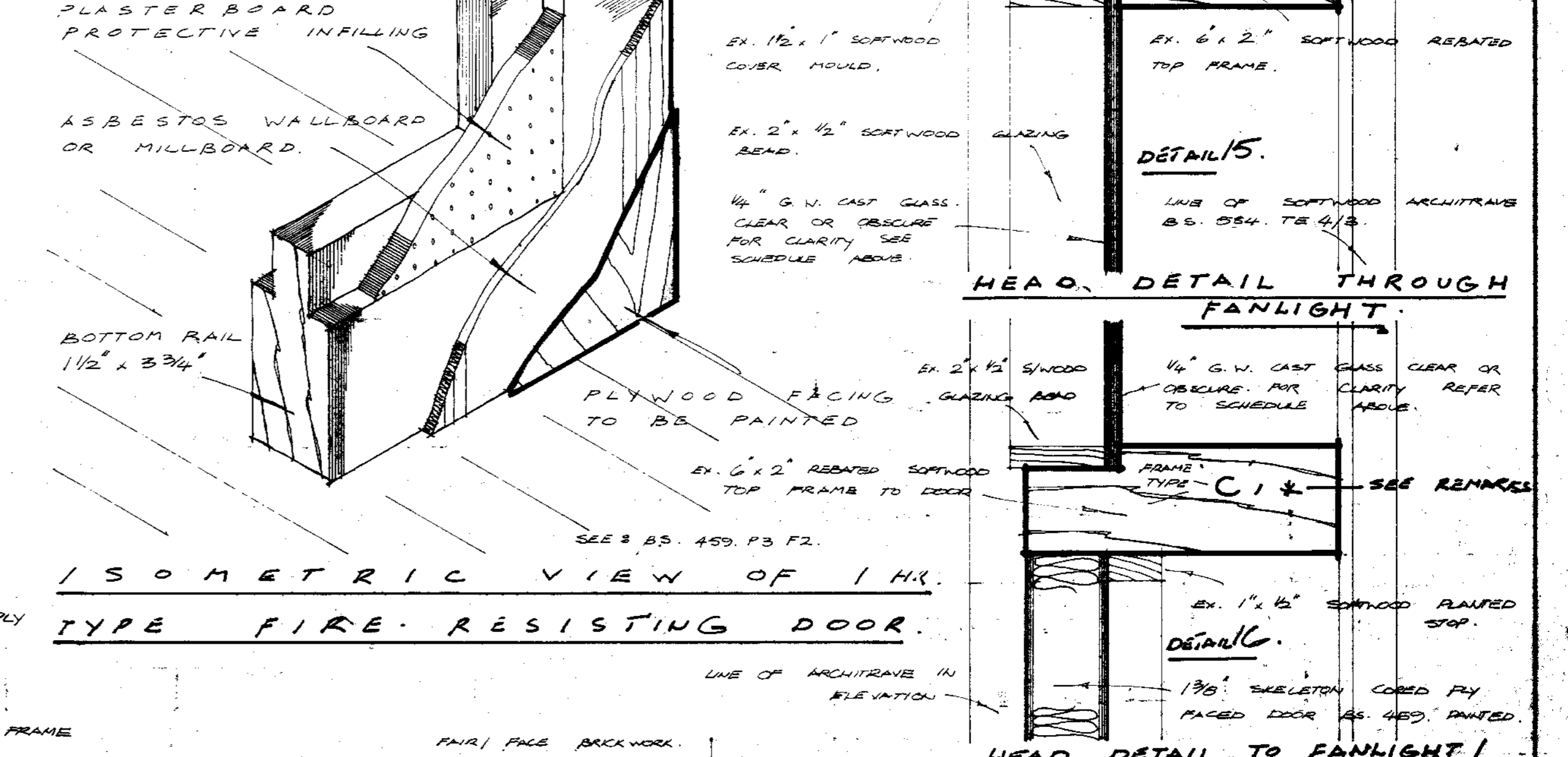
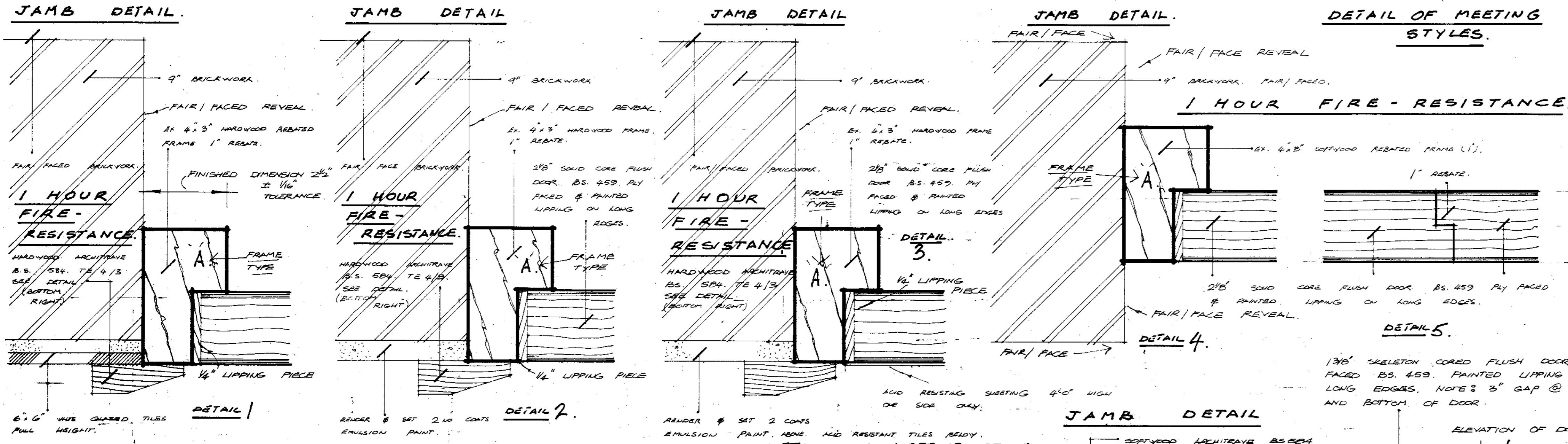
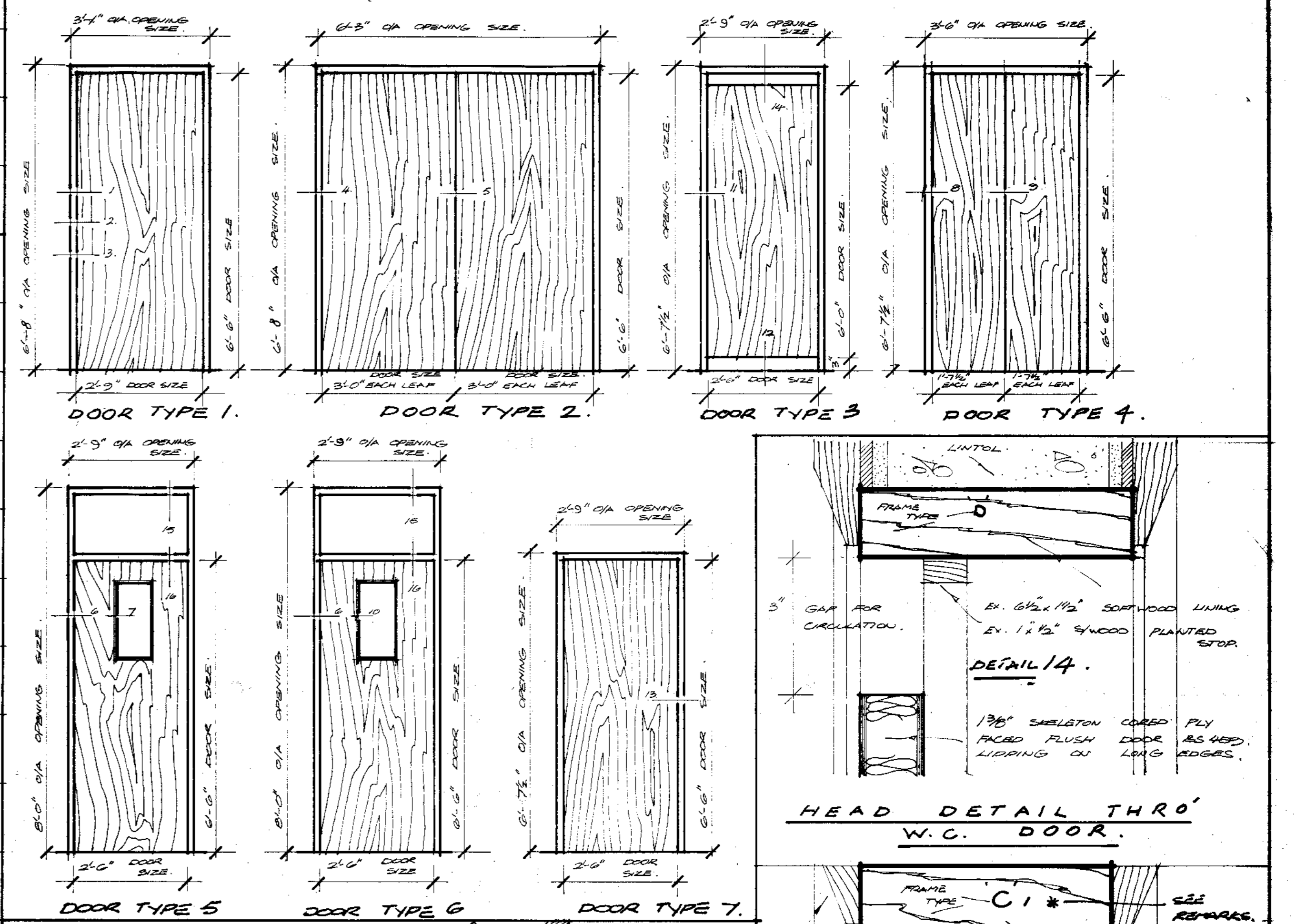


RAILTRACK 147088LNE		B.T.C. BRITISH RAILWAYS CHIEF CIVIL ENGINEER'S DEPT.		EASTERN REGION KING'S CROSS STATION	
REVISED		IMMINGHAM DOCK LOCO REPAIRS TO COALING PLANT DETAILS OF STEELWORK SUPPORT TO FEEDER FLOOR			
DE. CORRES. C.C.E.	APPROVED	CALES	1/8" TO 1 FOOT 2" & 4" TO 1 INCH		
R.J.M.G.	ME25/95	DE. CIVIL	52.1 ME.70		
SHEET 1 OF 4.	ASSISTANT ENGINEER	CHIEF CIVIL ENGINEER	E 765 PH708		



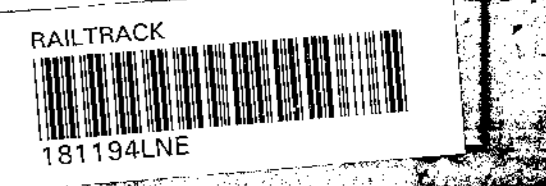
LEVEL.	LOCATION.	DOOR NO.	DOOR SIZE	DOOR TYPE	MATERIAL	CLEAR OPENING SIZE	FRAME TYPE	ARCHITRAVE	FURNITURE	REMARKS
LOWER FLOOR.	WATER/OIL ANALYSIS.	D1	2'9" x 6'6"	1.	2 1/2" SOLID CORE PLYMUR DOOR BS. 459. PLY FACED LIPPING ON LONG EDGES.	34 1/2" x 6'8"	A.	HARDWOOD BS. 584 TE. 4/3	1 PAIR 2" HEAVY PRESSURE SPRING BUT HINGES AND 2" HIGH ADJUSTABLE ROLL PLATE / 1 PAIR 2" ADJUSTABLE ROLL PLATE / 1 NO. 2 1/2" SPRING MOUNTED LOCK COMPARTMENT WITH ENCLOSURE PLATE 2 HAYS 2 LEVER HANDLES SATIN CHROME FINISH. DOOR CLOSER.	
	CLEANER.	D2	2'9" x 6'6"	1.	do.	34 1/2" x 6'8"	A.	do	do.	
	BATTERY ROOM.	D3	2'9" x 6'6"	1.	SAME AS D1. ONLY NO RESISTING SHEETING ONE SIDE 4'0" HIGH.	34 1/2" x 6'8"	A.	do	do.	
	LUBRICATING OIL STORE.	D4	3'0" x 6'6" (2 NO. LEAVES)	2.	AS D1.	6'3" x 6'8"	A.	do	do.	
UPPER FLOOR.	SHIFT FOREMAN	D5		SEE	SPECIALISTS					DRAWINGS.
	STORES CLERK.	D6	2'6" x 6'6"	7.	1 3/8" SKELETON CORED PLYMUR DOOR BS. 459. PLY FACED LIPPING ON LONG EDGES.	2'9" x 6'7 1/2"	B.	SOFT WOOD BS. 584 TE. 4/3	1 PAIR 2" HEAVY PRESSURE SPRING BUT HINGES AND 2" HIGH ADJUSTABLE ROLL PLATE / 1 PAIR 2" ADJUSTABLE ROLL PLATE / 1 NO. 2 1/2" SPRING MOUNTED LOCK COMPARTMENT WITH ENCLOSURE PLATE 2 HAYS 2 LEVER HANDLES SATIN CHROME FINISH.	
	CLIPBOARD	D7	1-7/8" x 6'6" (2 NO. LEAVES)	4.	do.	3'0" x 6'7 1/2"	C.	do	do.	
	W.C.	D8	2'6" x 6'6"	3.	do.	2'9" x 6'7 1/2"	D.	do	do.	
	LAVATORY.	D9	2'6" x 6'6"	5.	AS D6. BUT INCLUDING GLAZED PANEL (BS. 584 TE. 4/3)	2'9" x 6'0"	C1-SEE REMARKS.	do	do.	C1 SAME WIDTH ONLY 1/2" DEEPER FOR RESISTANCE
	WORKS STUDY OFFICE.	D10	2'6" x 6'6"	6.	AS D6. BUT INCLUDING GLAZED PANEL (CLEAR BS. 584 TE. 4/3)	2'9" x 6'0"	C.	do.	do.	do.
	CHIEF MECH FOREMAN.	D11		SEE	SPECIALISTS					DRAWINGS.
	INSPECTOR TEST ROOM.	D12		SEE	SPECIALISTS					DRAWINGS.
	WORKSHOP / UPPER STORES	D13		SEE	SPECIALISTS					DRAWINGS.
LOWER FLOOR.	LOWER STORES	D14	2'9" x 5'6"	AS D1	AS D1	32 1/2" x 6'0 3/4"	A.	HARDWOOD BS. 584 TE. 4/3	1 PAIR 2" HEAVY PRESSURE SPRING BUT HINGES AND 2" HIGH ADJUSTABLE ROLL PLATE / 1 NO. 2 1/2" SPRING MOUNTED LOCK COMPARTMENT WITH ENCLOSURE PLATE 2 HAYS 2 LEVER HANDLES SATIN CHROME FINISH.	

ELEVATIONS & SIZES OF DIFFERENT DOOR TYPES.



Revisions	
Date	DOOR NO. D14 OMITTED.
Date	NEW DOOR ON 2ND FLOOR. DETAILS ADDED. OPENING SEE MARKED IN TYPE 1/2
Job BRITISH RAILWAYS. DIESEL SERVICE SECTION MANAGING	
Title DOOR SCHEDULE & DETAILS	
DRG. NO. 2220/88	REV. B
Scale 1/4" = 1'-0" & F.S. & F.S.	Drawn by G.C.
George Wimpey & Co., Ltd., Hammermith Grove, London, W.6.	Checked by G.C.
	Date 1952

FOR CONSTRUCTION





8 1/2 x 3 x 1/2 SWG  
2nd part in

spring washer  
1/4 x 1/4 x 1/4 zinc  
section threaded  
to take 1/2" bolt  
2 runs for bolt

6 x 3 angle  
1/2 x 1/2 block  
3/4" thick  
1/2" square

6 x 3 x 1/2" L TH  
1/2" bolt screws through  
1 1/2" long slot in 6 x 3" angle  
securing mullion. Graphite  
grease both sides of angle.

DETAIL B

3/4" bolt

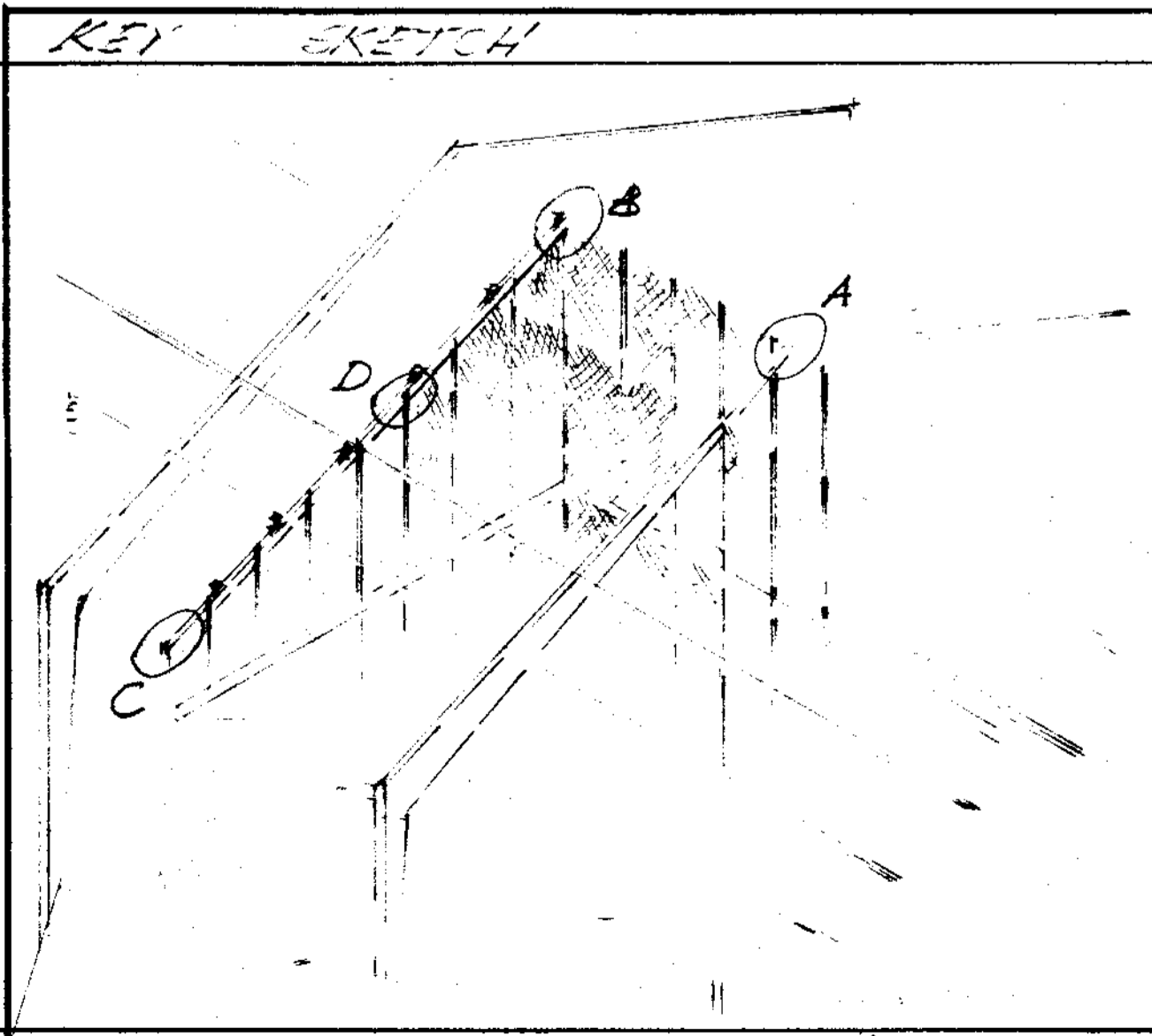
1/2" of 8 1/2" dia. Shank passing  
through 1 1/2" long slotted hole  
in angle (which is to have  
graphite grease on either side)

Elevation B-B

1/2" rod passing through  
mullion of castulated L  
composite camo beam of  
1/2" x 1/2" joint of 6 x 3" castulated L  
box section steel mullions  
of 1 1/2"

DETAIL D

DETAIL C



NOTE. WIDE MESH TO FULL HEIGHT OF  
PARTITION.

1 1/2" x 12 1/2" x 3/8" TH PLATE  
bent as shown  
& notched 6 1/2" x 6 1/2"

DETAIL A

1/2" bolts securing  
6 x 3" L to 3/8" plate

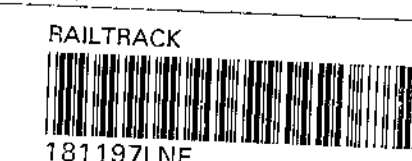
Elevation A-A. NTS

Revisions	
Date	
A 2/1/65	Sketch redrawn & amended in accordance with BR CS/MN 333.
12/1/64	Sketches B-B dimension to 3/8"
B 11/26/64	Details A & B revised

Job BRITISH RAIL  
MANNINGHAM  
Title PARTITION. UPPER  
FIXING DETAILS

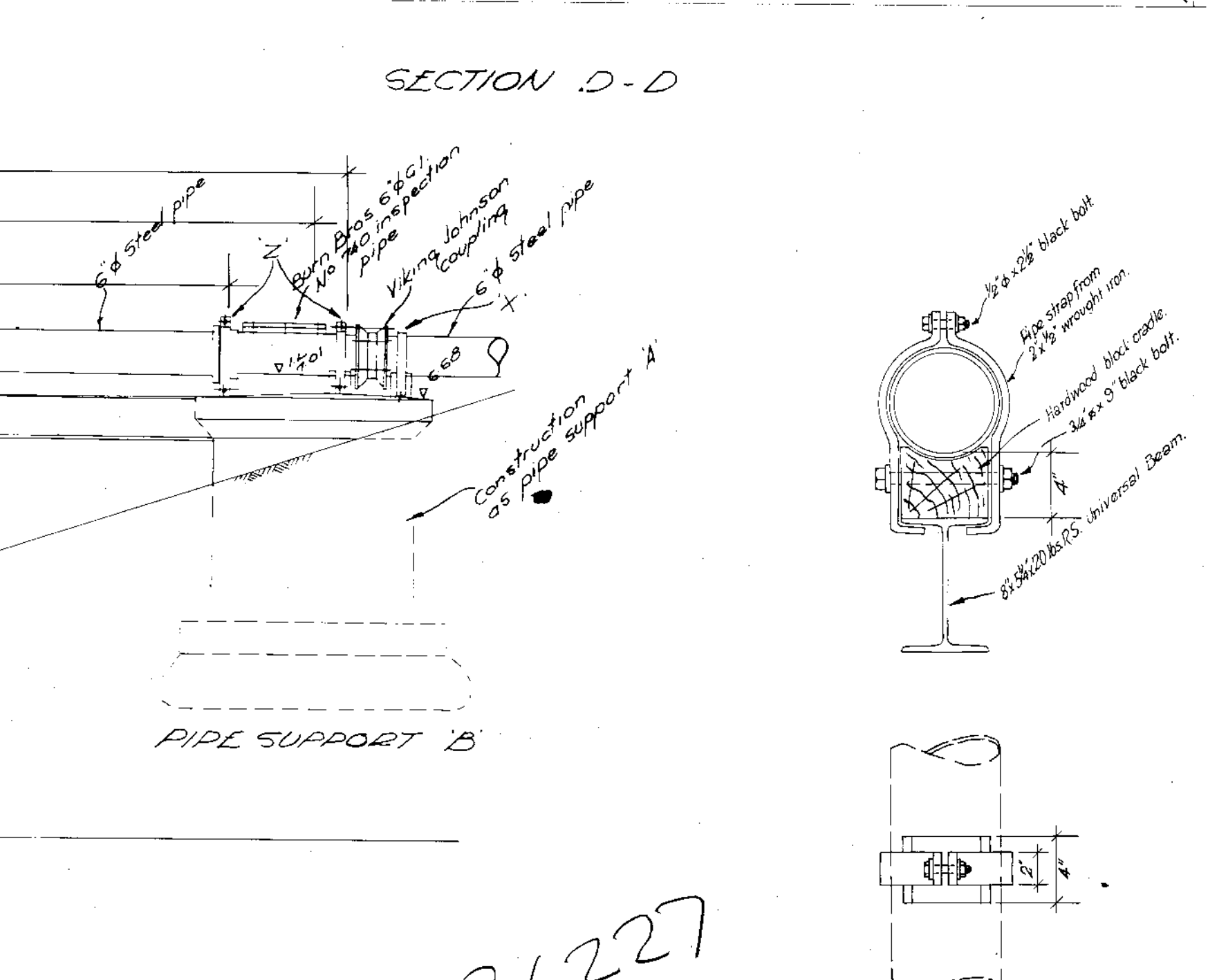
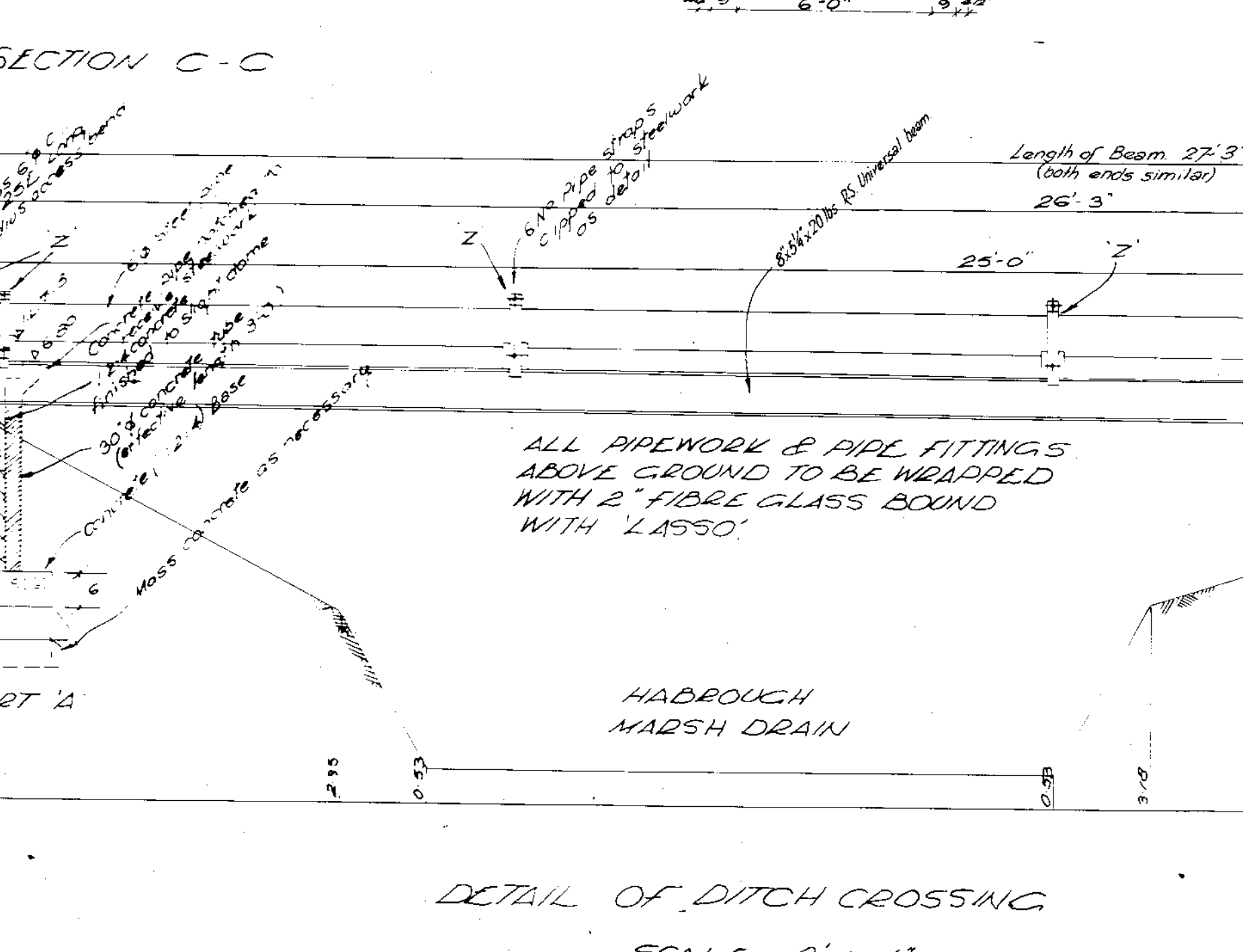
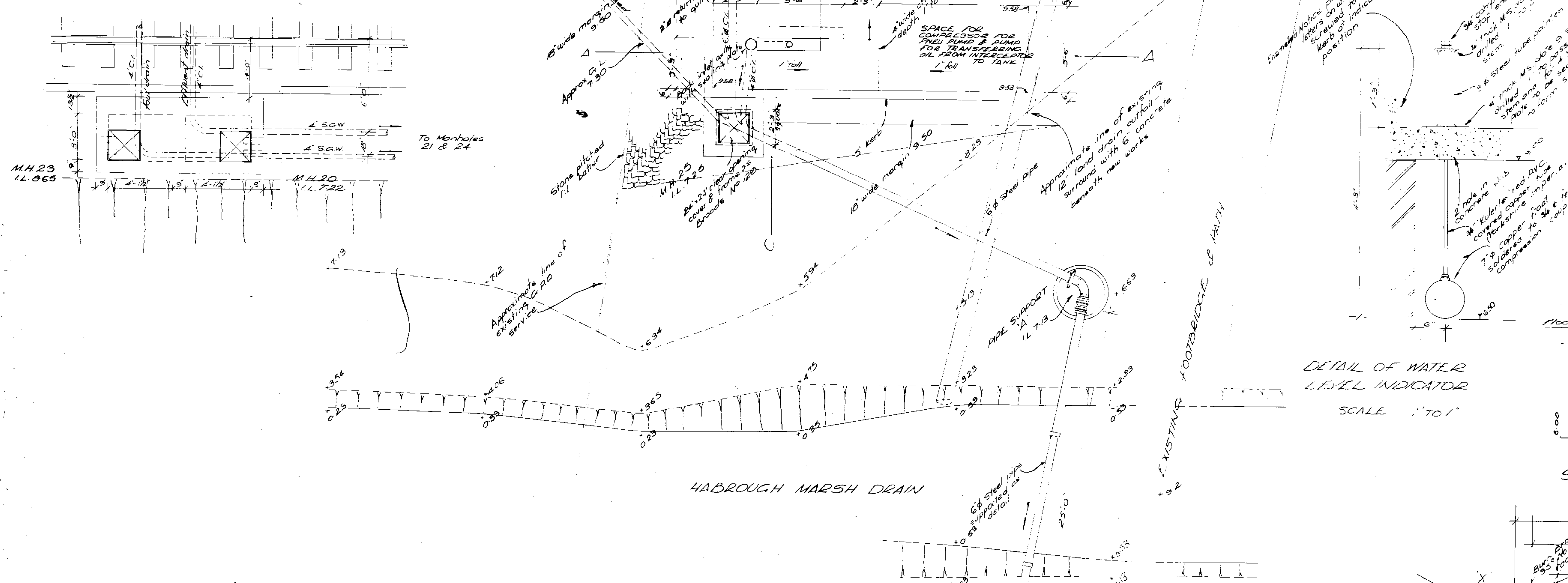
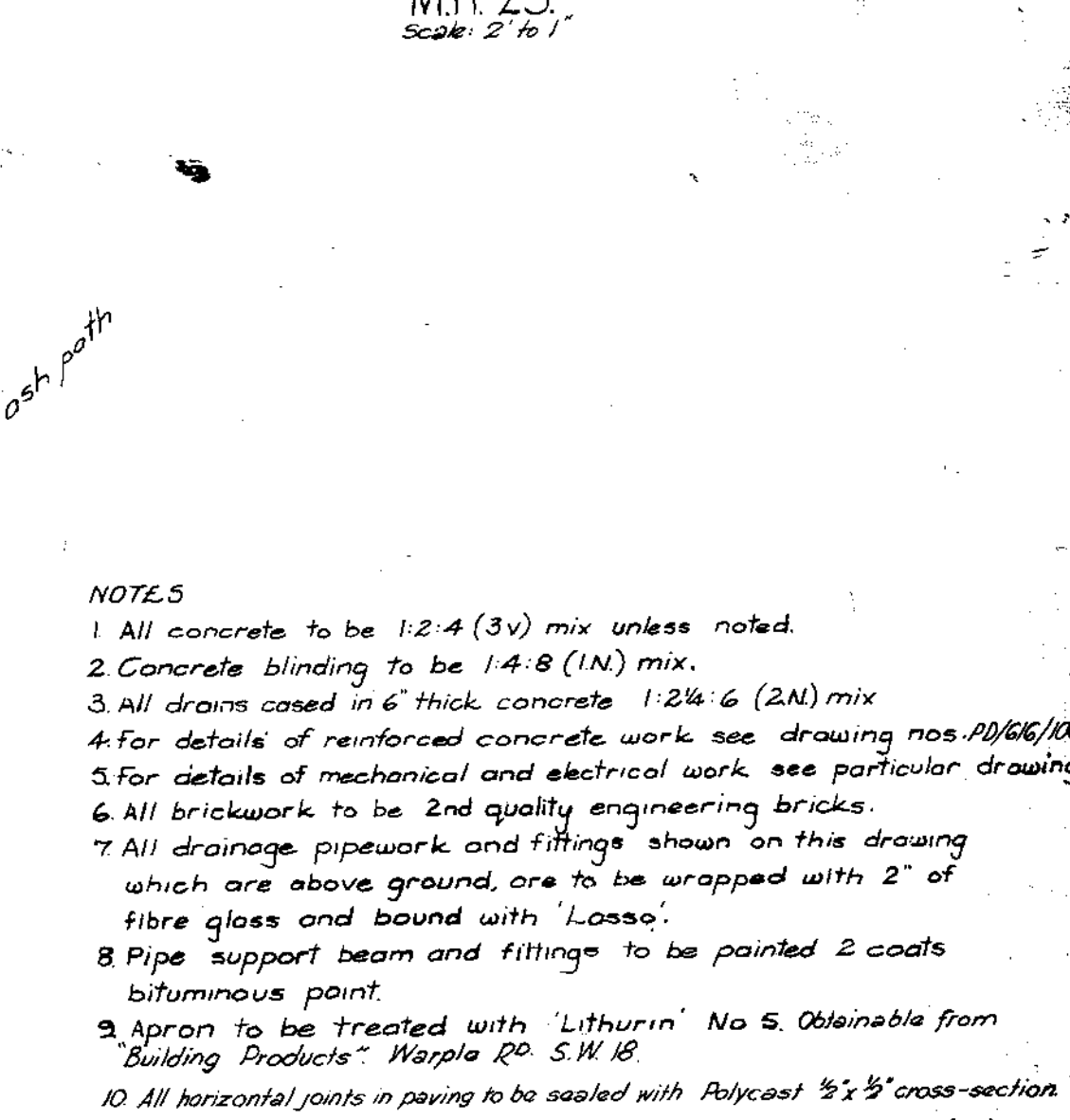
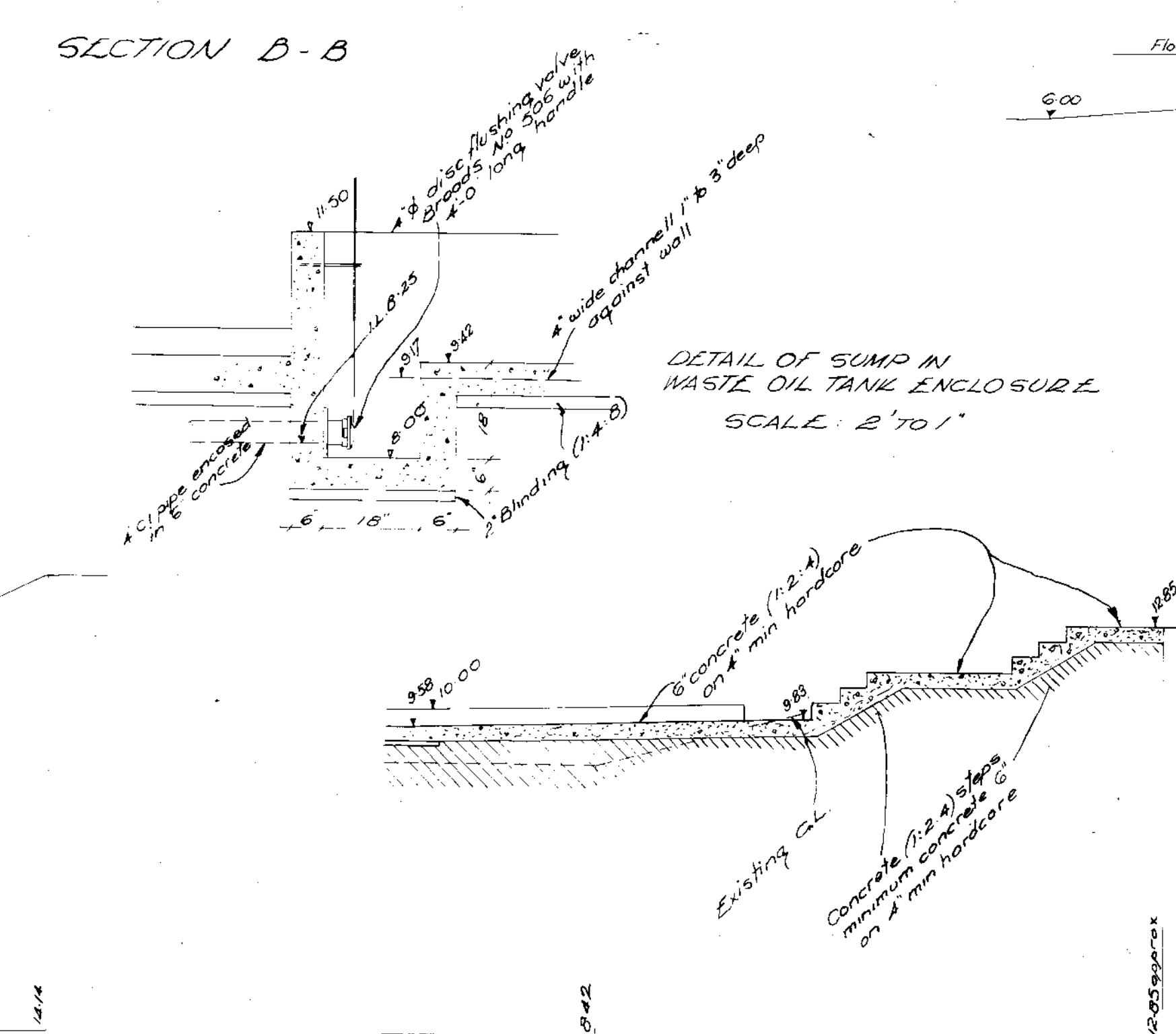
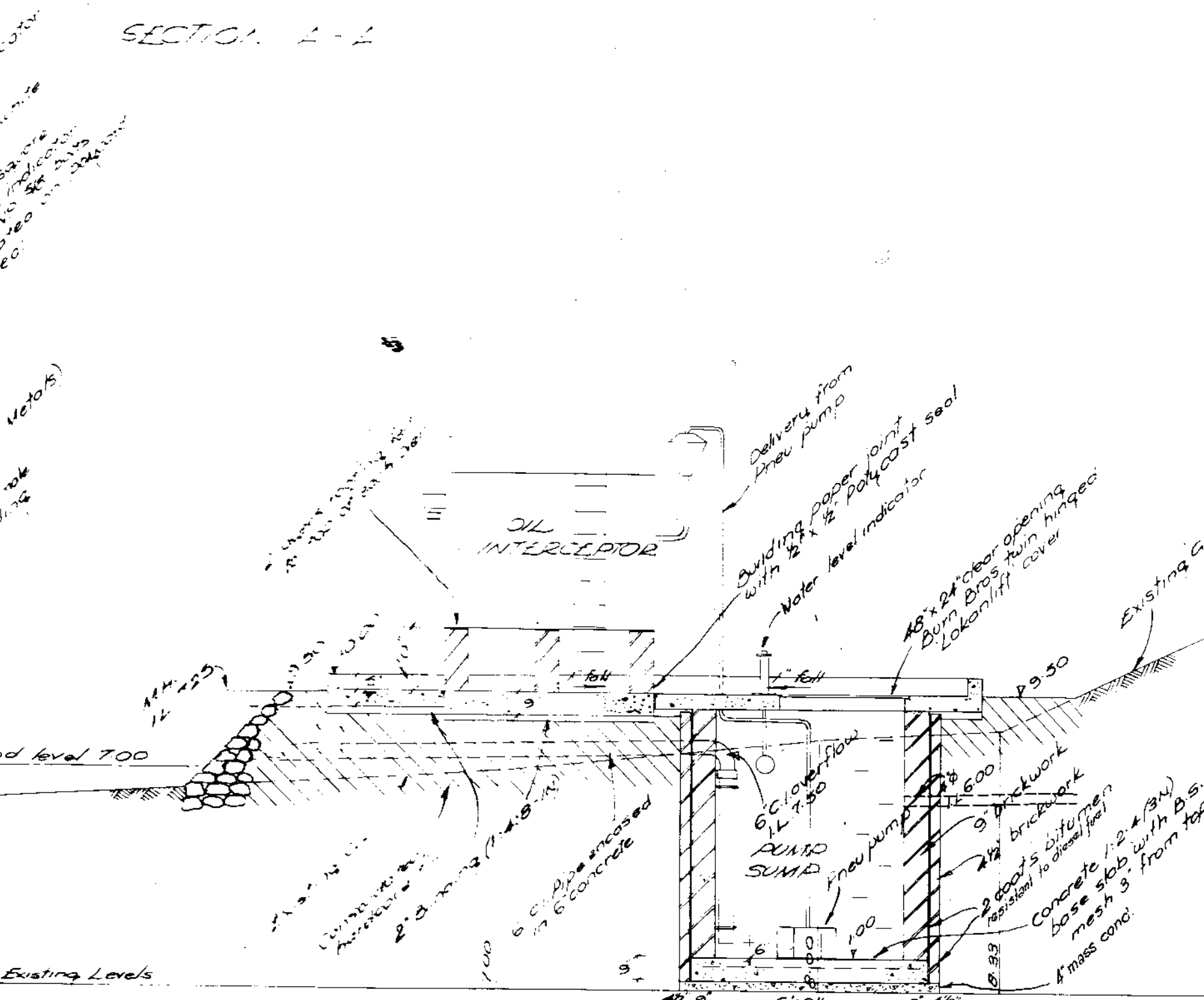
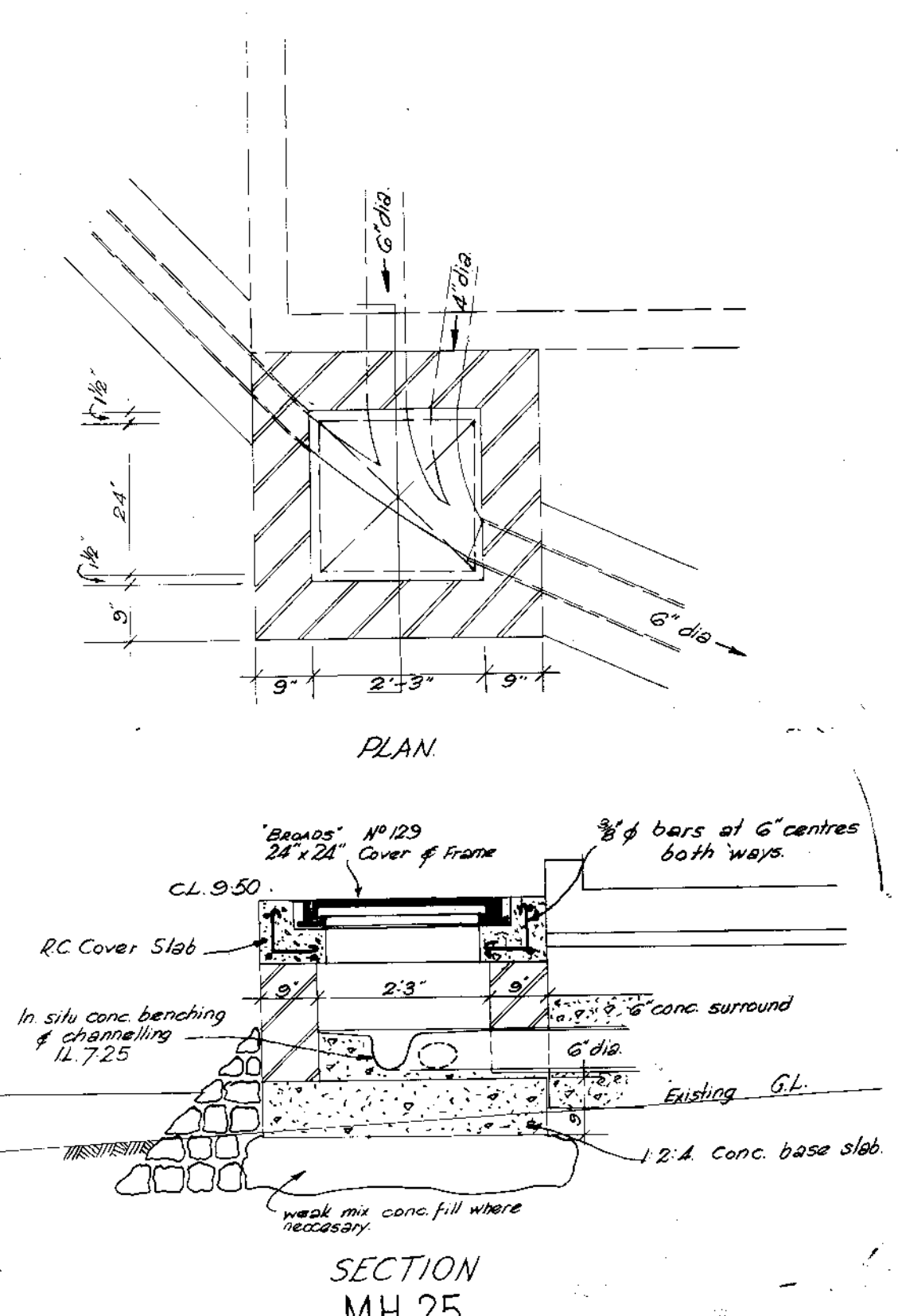
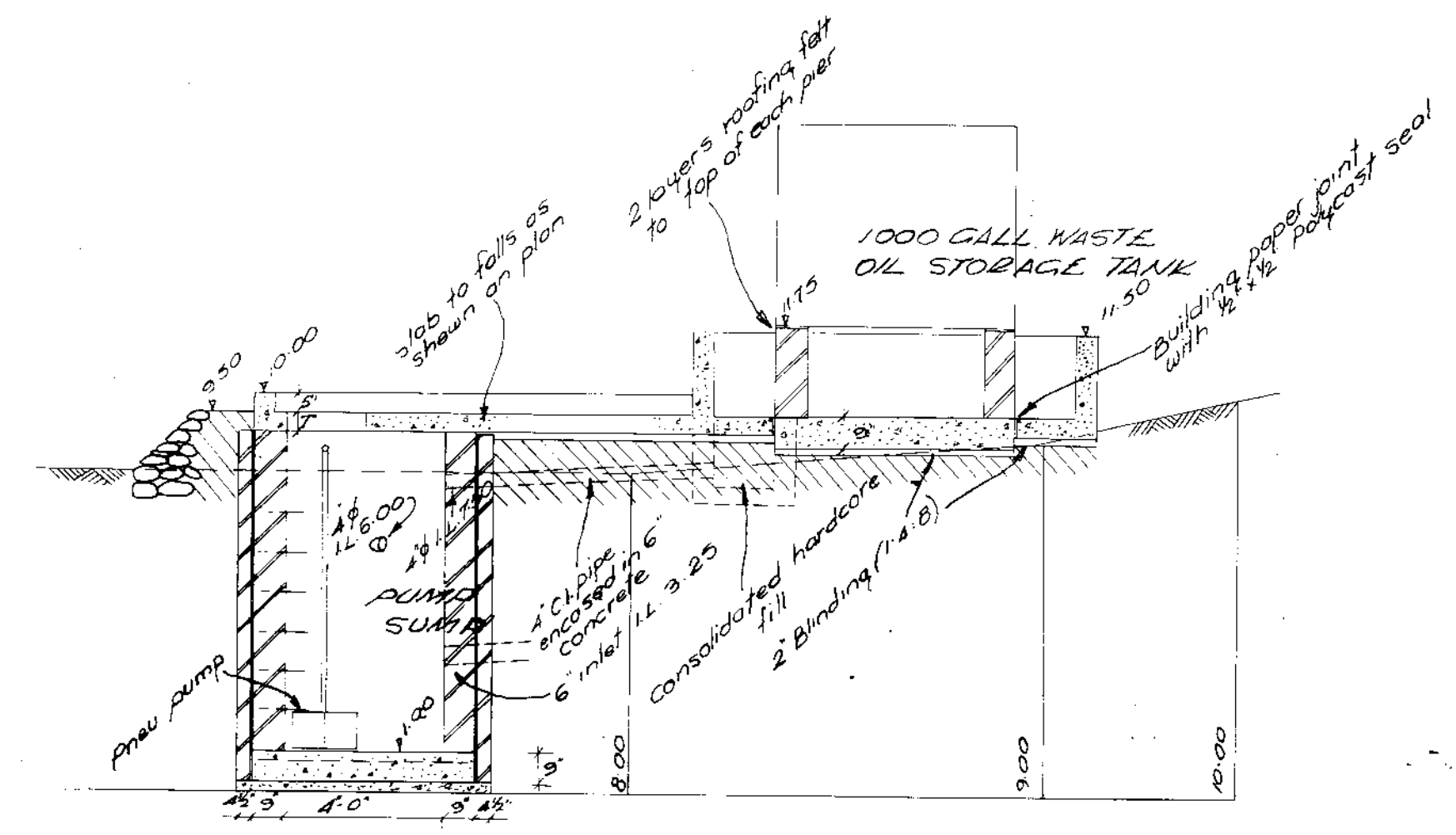
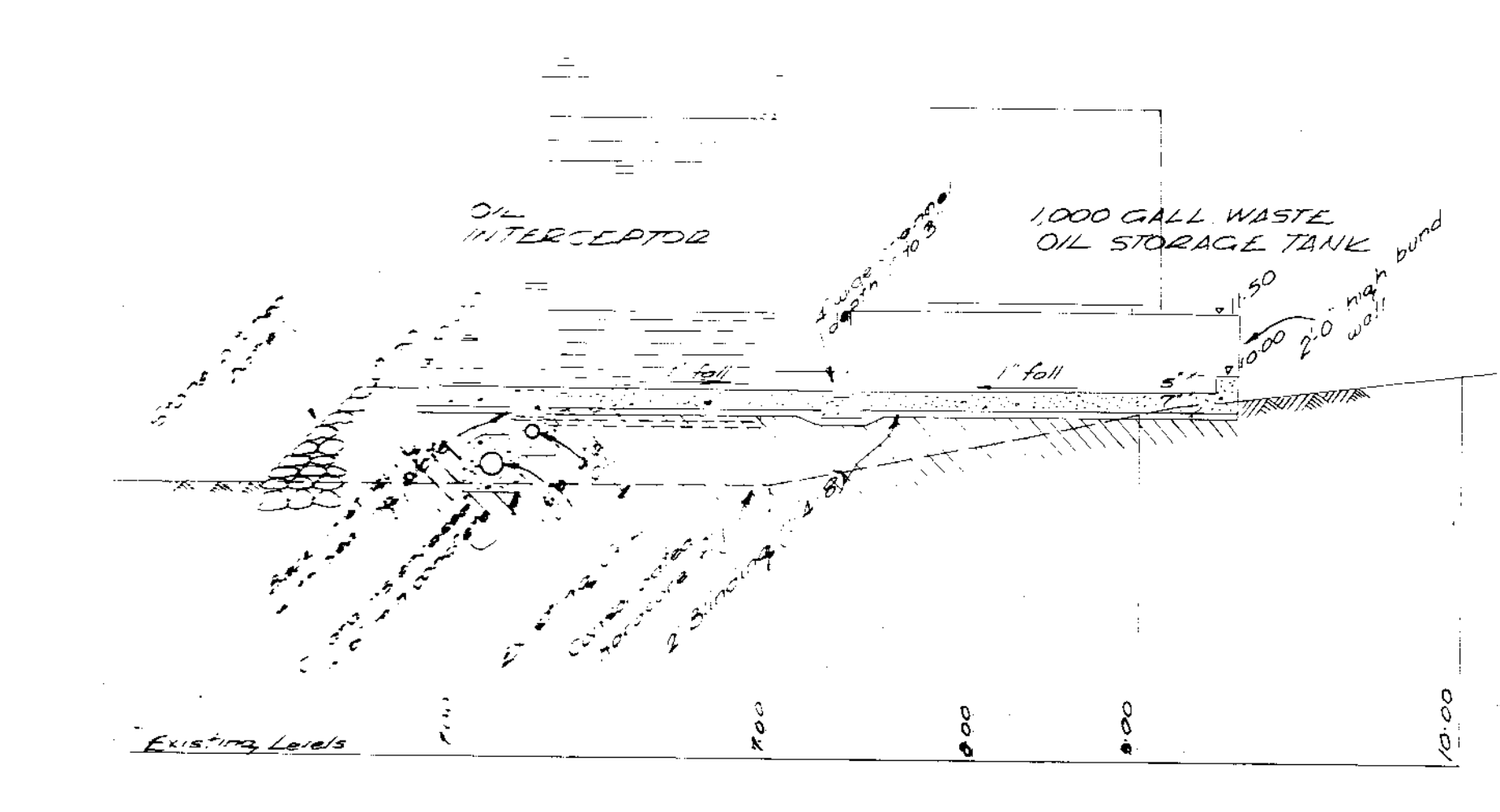
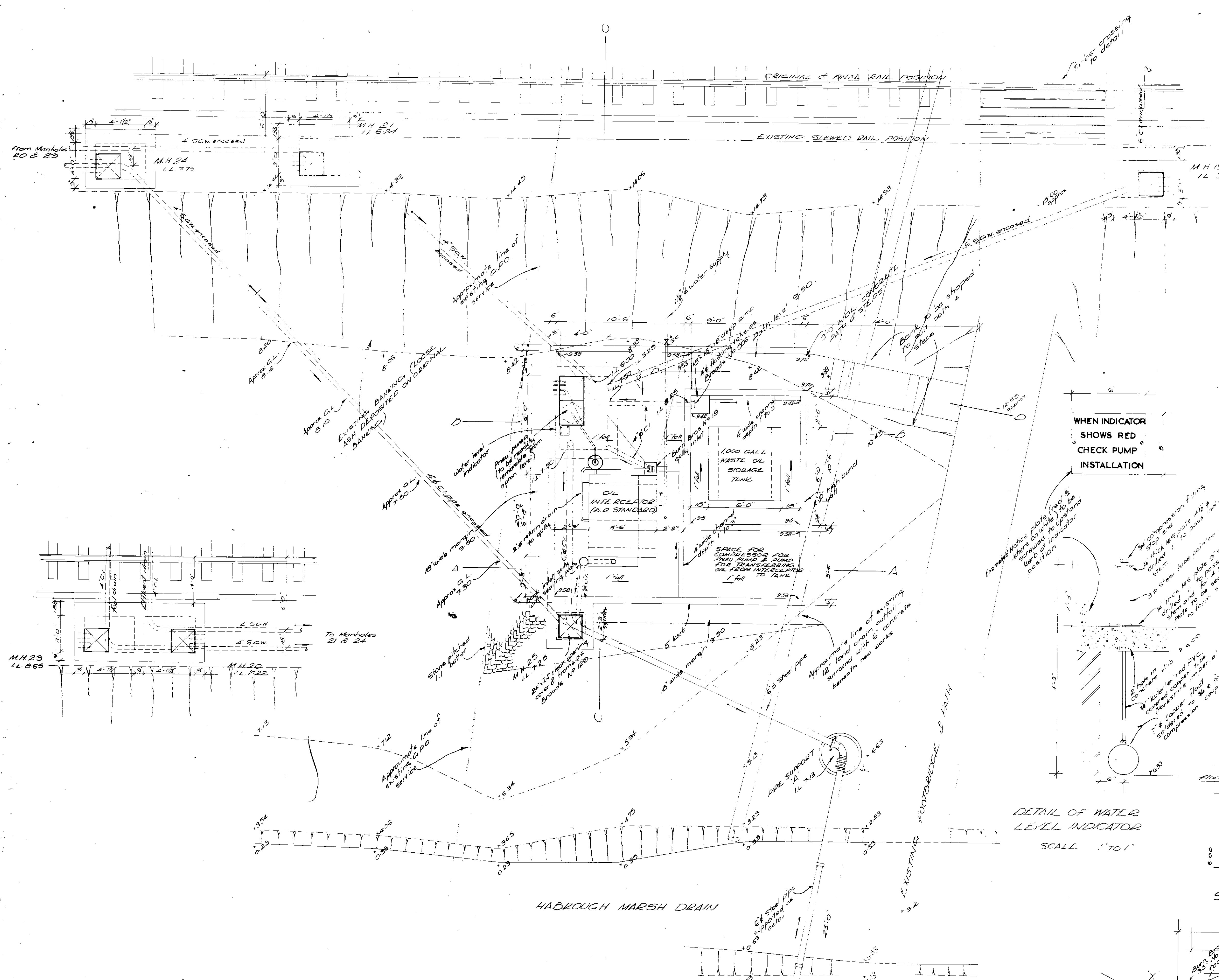
DRG. NO. 7729/41	REV. B
Scale 69 WE 353 1/2" FULL SIZE	Drawn by M
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.	Date 2/1/65 Checked Date

'AS MADE'



CONT





- NOTES
1. All concrete to be 1:2:4 (30) mix unless noted.
  2. Concrete blinding to be 1:4:8 (1N) mix.
  3. All drains cast in 6" thick concrete 1:2 1/2:4 (2N) mix.
  4. For details of reinforced concrete work see drawing nos. 1856/1, 1856/2, 1856/3, 1856/4, 1856/5, 1856/6, 1856/7, 1856/8, 1856/9, 1856/10, 1856/11, 1856/12, 1856/13, 1856/14, 1856/15, 1856/16, 1856/17, 1856/18, 1856/19, 1856/20, 1856/21, 1856/22, 1856/23, 1856/24, 1856/25, 1856/26, 1856/27, 1856/28, 1856/29, 1856/30, 1856/31, 1856/32, 1856/33, 1856/34, 1856/35, 1856/36, 1856/37, 1856/38, 1856/39, 1856/40, 1856/41, 1856/42, 1856/43, 1856/44, 1856/45, 1856/46, 1856/47, 1856/48, 1856/49, 1856/50, 1856/51, 1856/52, 1856/53, 1856/54, 1856/55, 1856/56, 1856/57, 1856/58, 1856/59, 1856/60, 1856/61, 1856/62, 1856/63, 1856/64, 1856/65, 1856/66, 1856/67, 1856/68, 1856/69, 1856/70, 1856/71, 1856/72, 1856/73, 1856/74, 1856/75, 1856/76, 1856/77, 1856/78, 1856/79, 1856/80, 1856/81, 1856/82, 1856/83, 1856/84, 1856/85, 1856/86, 1856/87, 1856/88, 1856/89, 1856/90, 1856/91, 1856/92, 1856/93, 1856/94, 1856/95, 1856/96, 1856/97, 1856/98, 1856/99, 1856/100.
  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 beams and fittings to be painted 2 coats bituminous paint.
  9. Apron to be treated with 'Lithurin' No 5, obtainable from 'Building Products' Wembley Rd. S.W. 8.
  10. All horizontal joints in paving to be sealed with 'Refraxit' 5 1/2" cross-section.
  11. Stone pitching to better to be jointed with a bedded in cement mortar (1:4).

BRITISH RAIL  
Diesel Service Station Immingham.

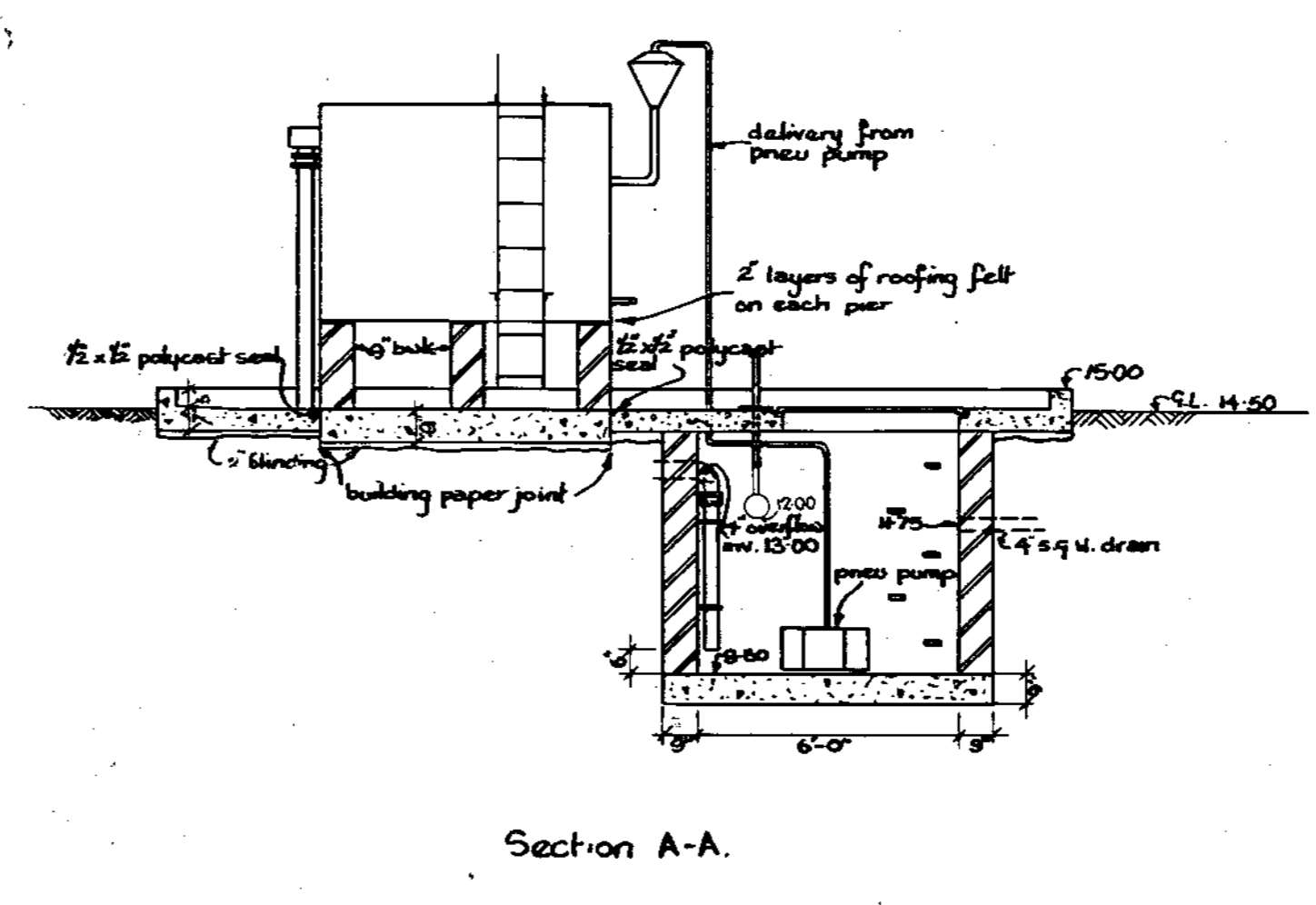
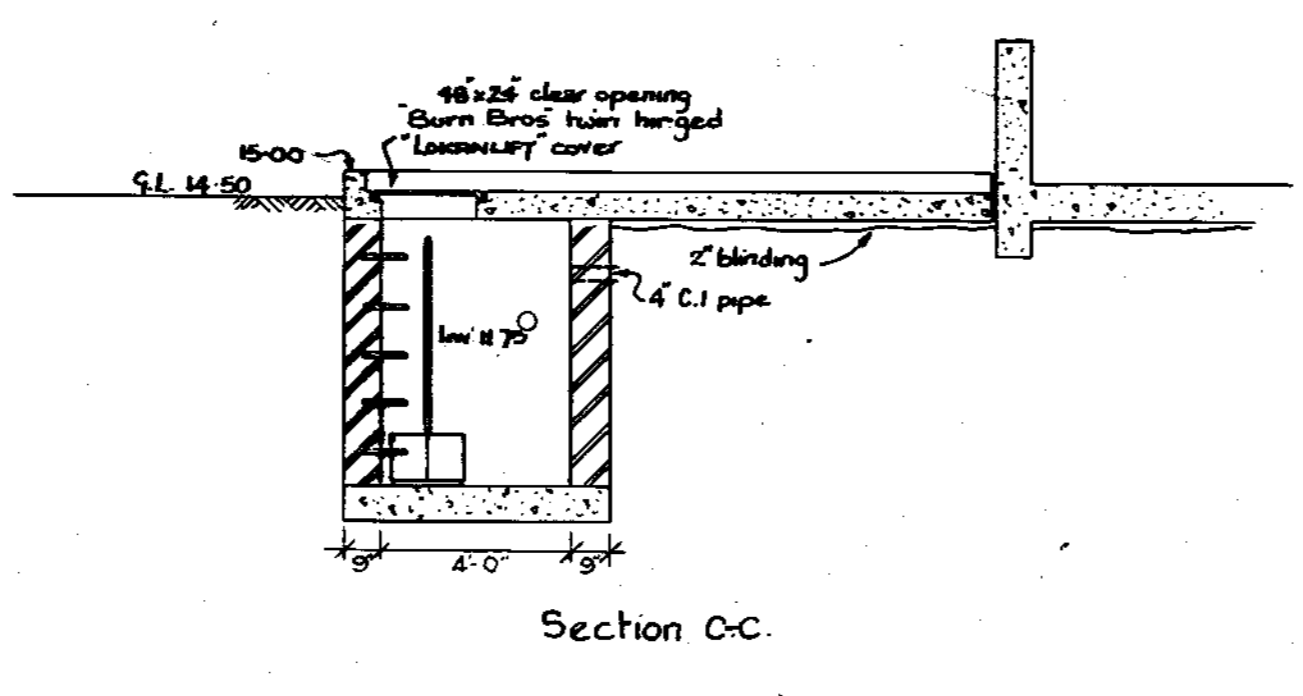
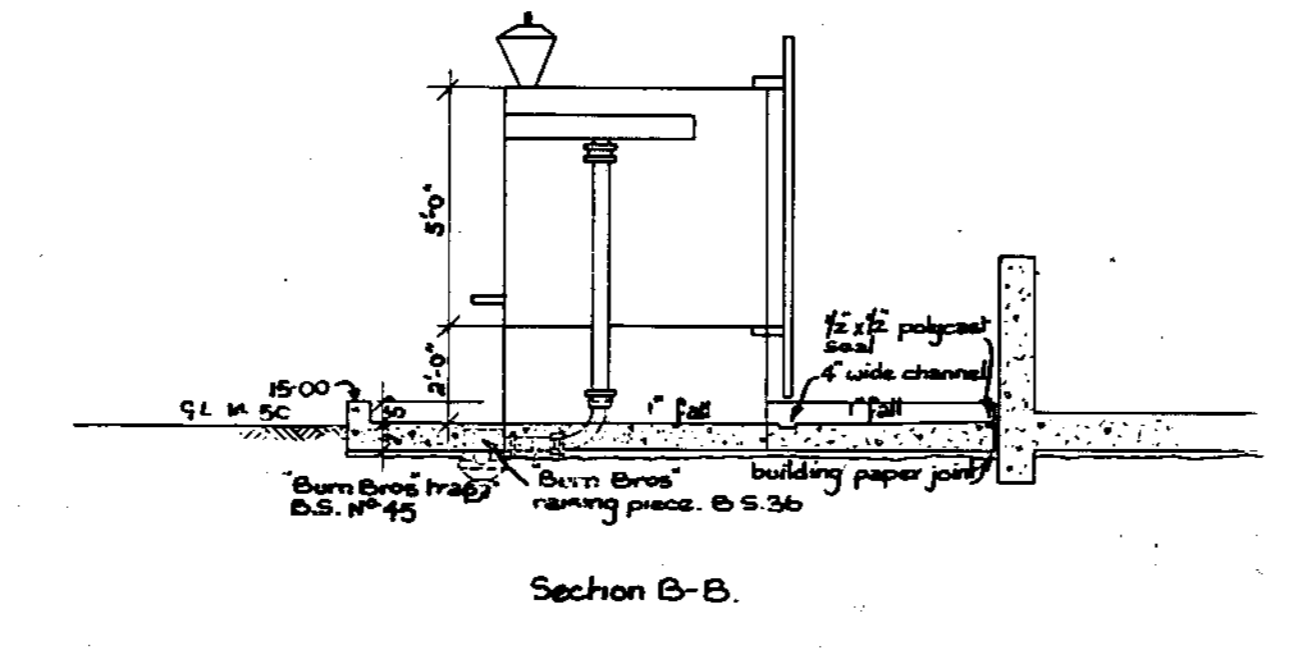
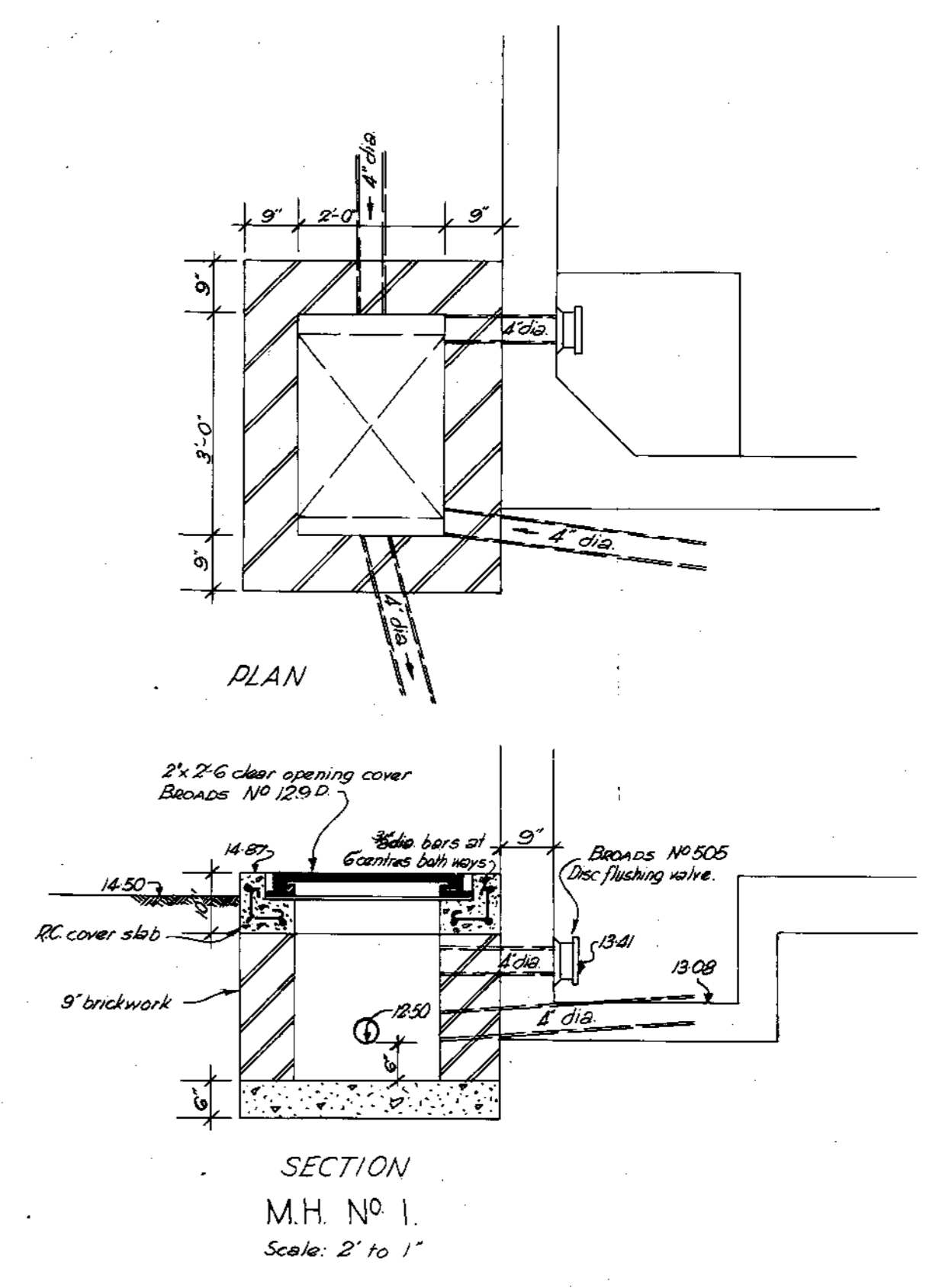
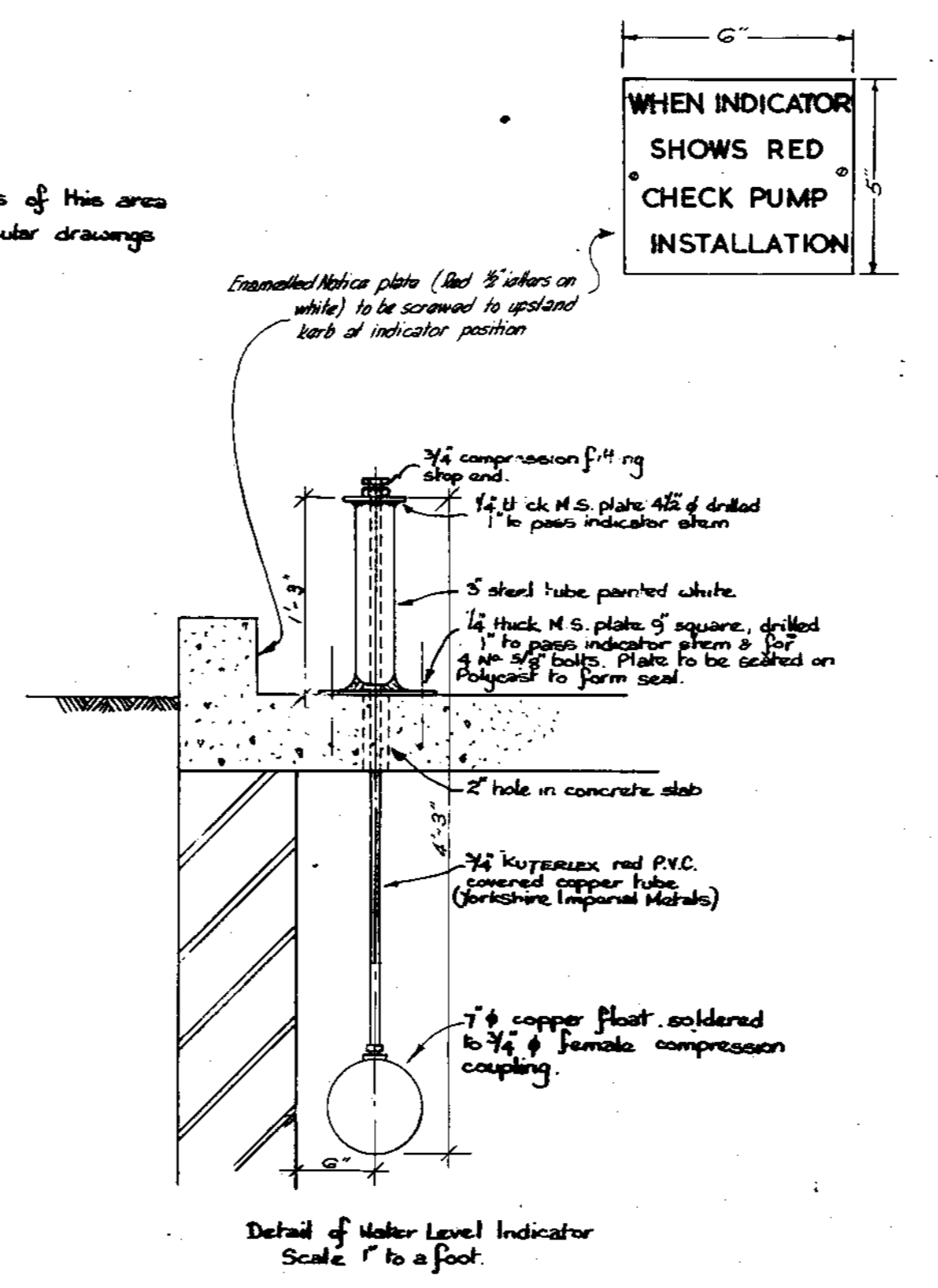
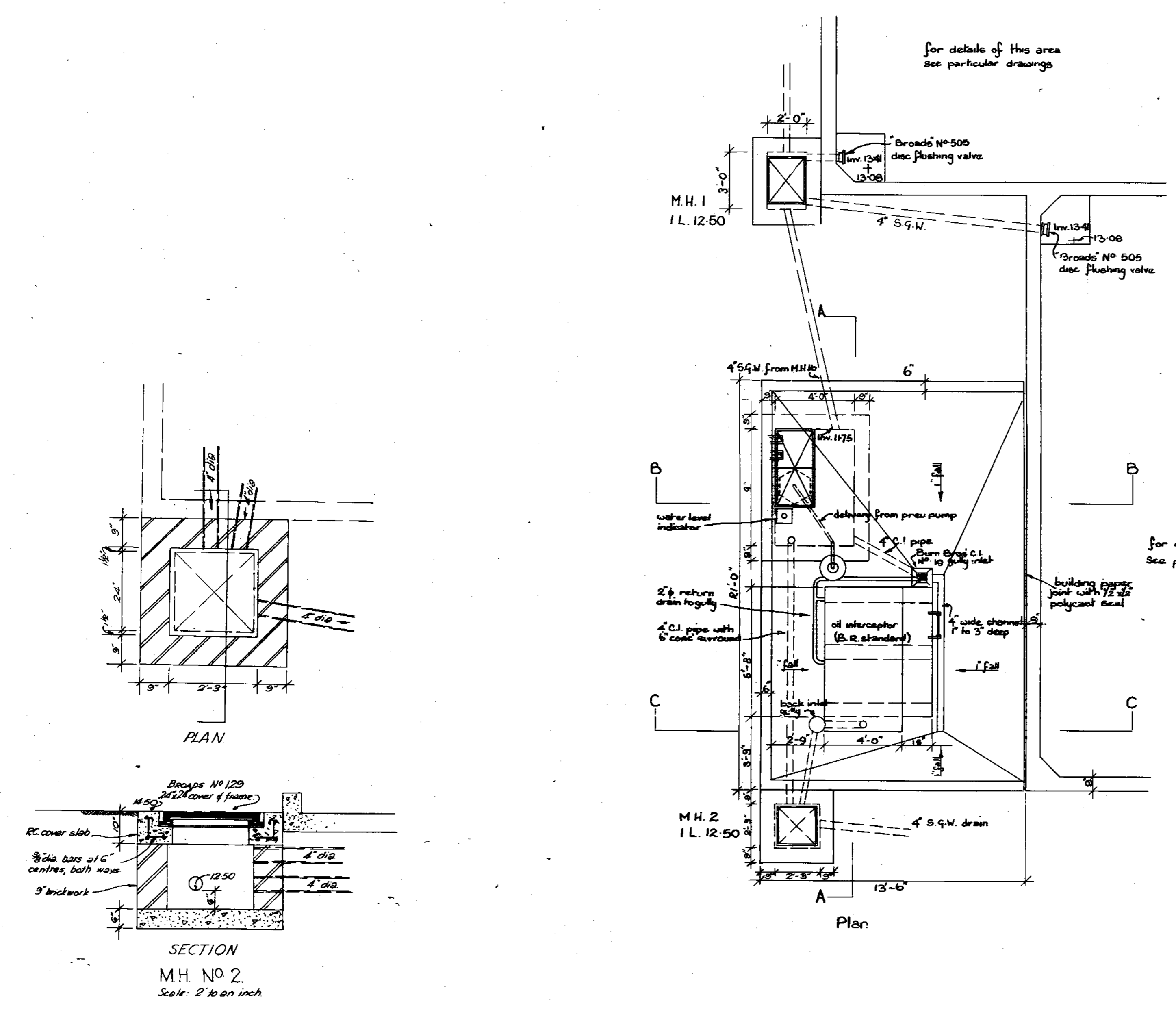
Detail of Outfall Drain and General arrangements of waste oil installation on outfall drain.

DRAWN G.W.F.	TRACED A.C.Q.	SCALE 1/4" to 1ft or as shown.
CHECKED	DATE 26-5-65	DRAWING NO. E.D. 1857/2 69 WE 356/133
GEORGE WIMPEY & CO. LTD. 27 HAMMERSMITH GROVE, LONDON, W. 6		

26227

AS MADE





- Notes:-
1. All concrete to be 1:2:4 (3v) mix unless noted.
  2. Concrete blinding to 1:4:8 (1M) mix.
  3. All drains cased in 6" thick concrete 1:2 1/2:6 (2N) 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 9" thick quality engineering bricks.
  7. Apron to be treated with "Lithuron" NPS. Obtainable from Building Products, Warple RD S.W. 18.

Rev 'C' 5/8/65 Level Indicator amended. Flange joint omitted from Pump Sump.  
 Rev 'B' 5/6/65 M.H. cover on M.H. No 2 enlarged & M.H. repositioned.  
 Rev 'A' 25/5/65 Generally revised & redrawn.

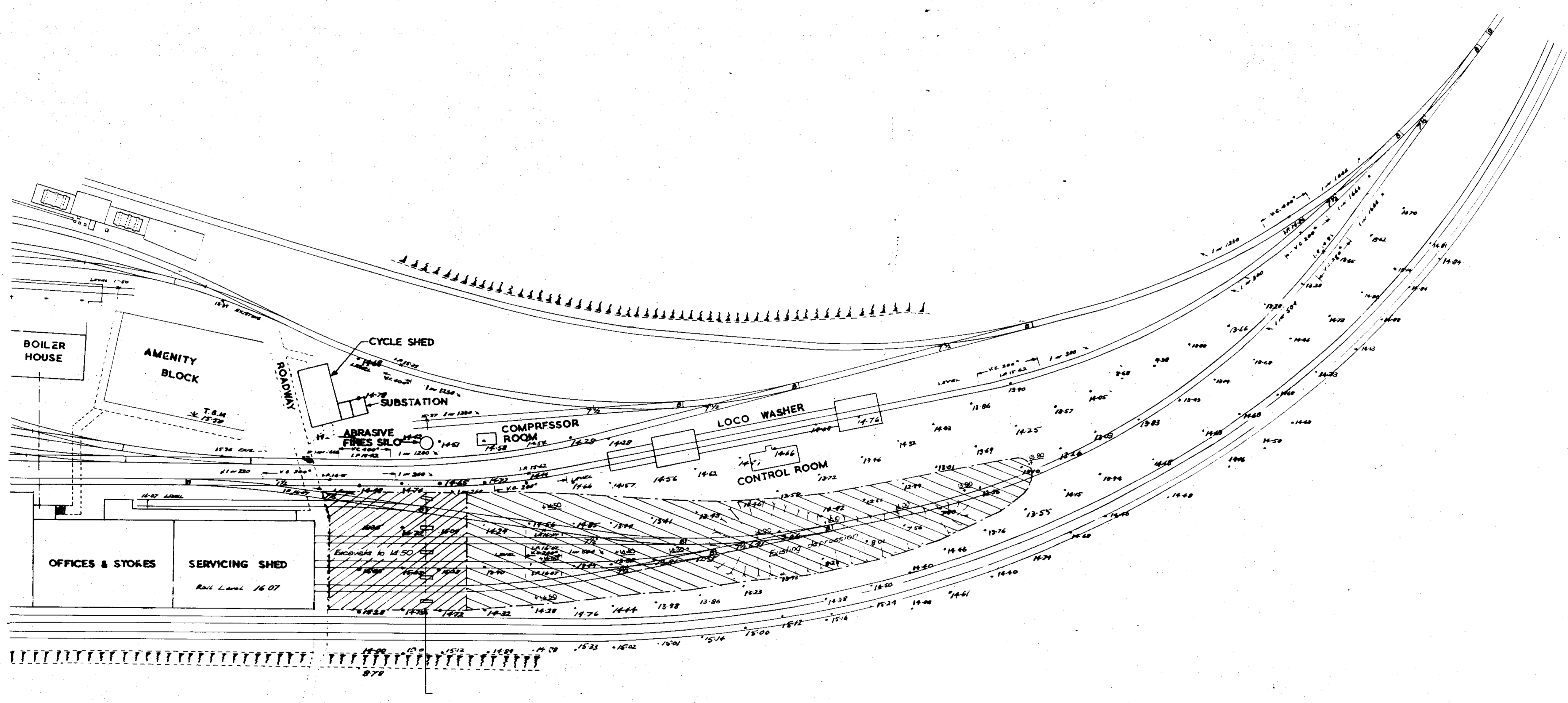
<b>BRITISH RAIL</b>		
Diesel Service Station, Immingham		
General Arrangement of Waste Oil Installation Adjoining Fuel Tank Area.		
Drawn:	Traced: F.D.L.T.	Scale: 4 ft to an inch
Checked:	Date: 19-5-65	
Drawing No.:		E.D. 1837/3.c. 69.WE.359/133
Surveyors Dept Geo. Wimpsey & Co. Hammersmith Green, London, W.6.		

26227

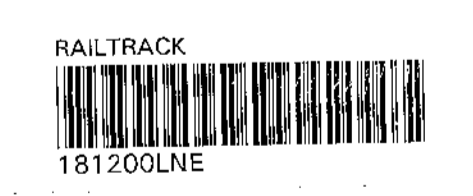


'AS MADE'





NOTES:  
 All levels refer to Ordnance Datum, Newlyn, T.M. 1553 on strip of Amenity block, foyer levels shown thus - 1P 14.86 refer to levels at the intersection of gradients and are not actual rail levels as the level indicated.



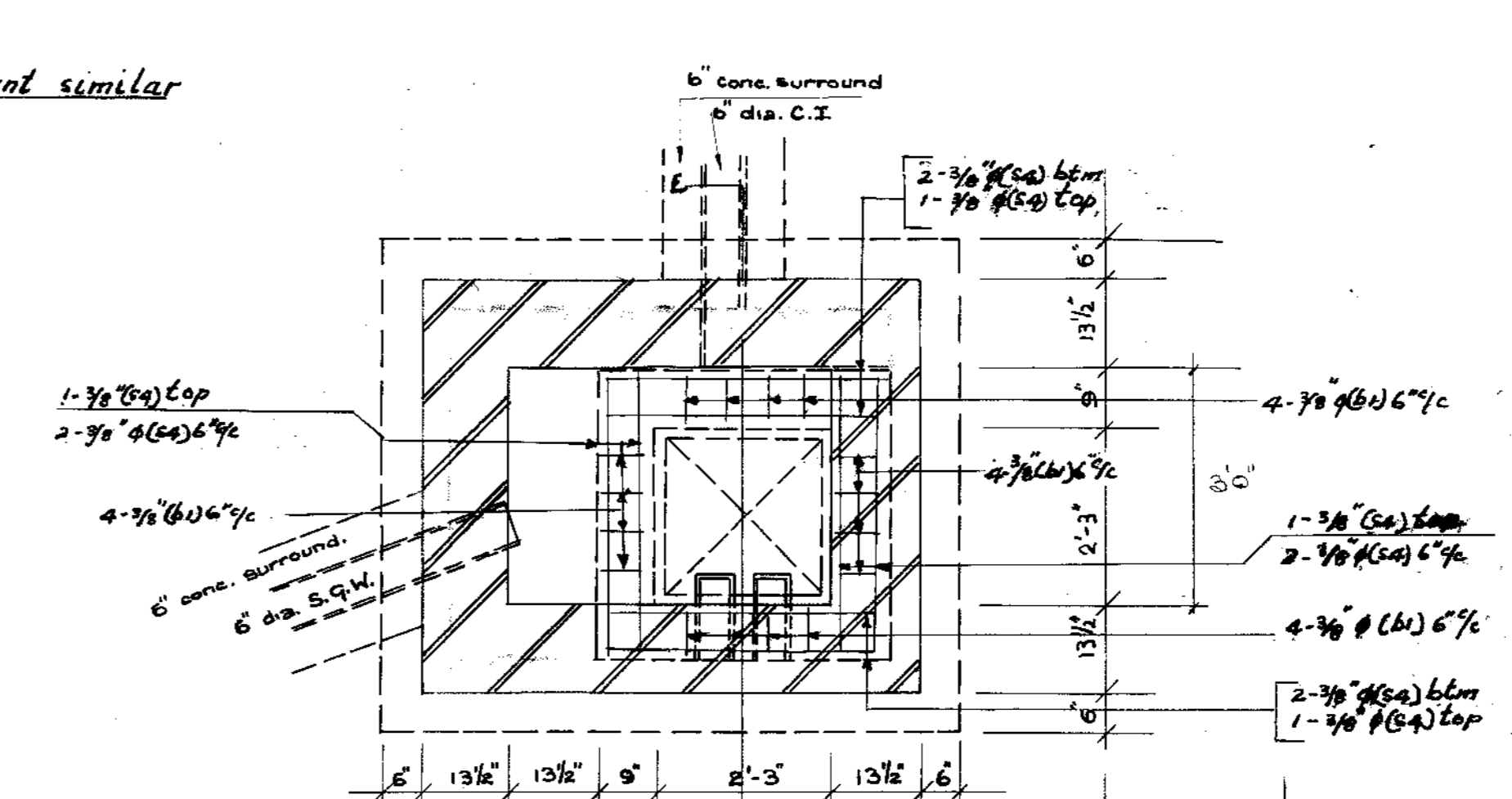
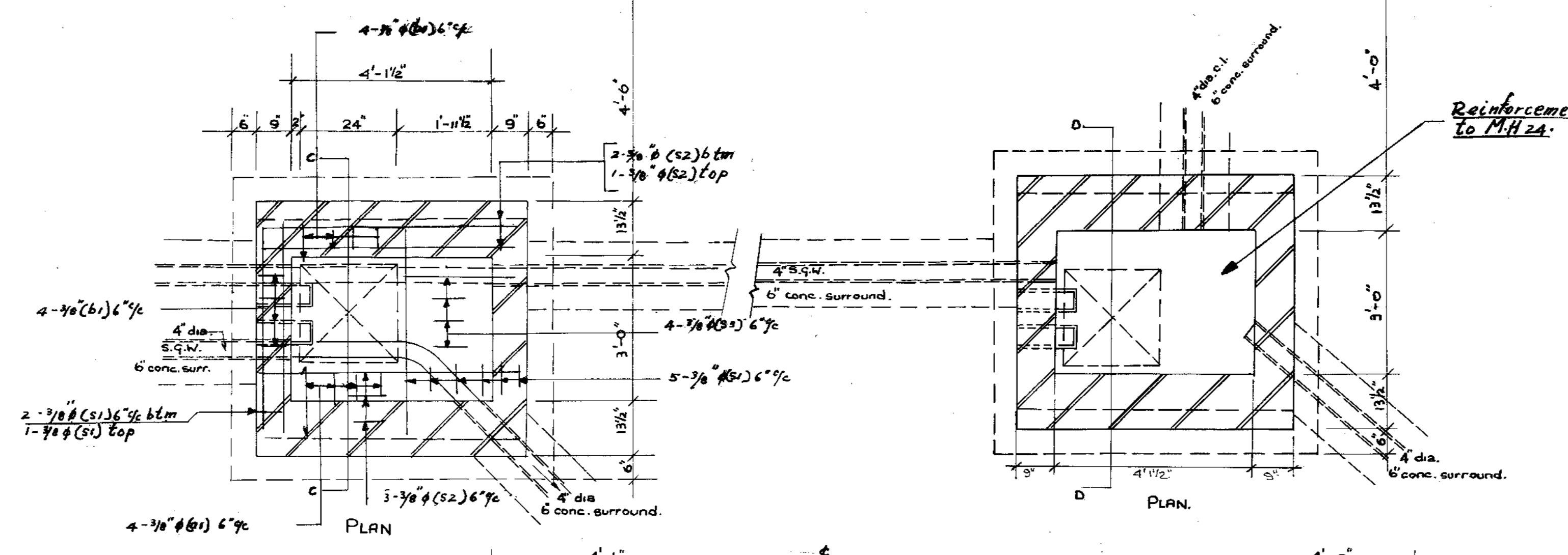
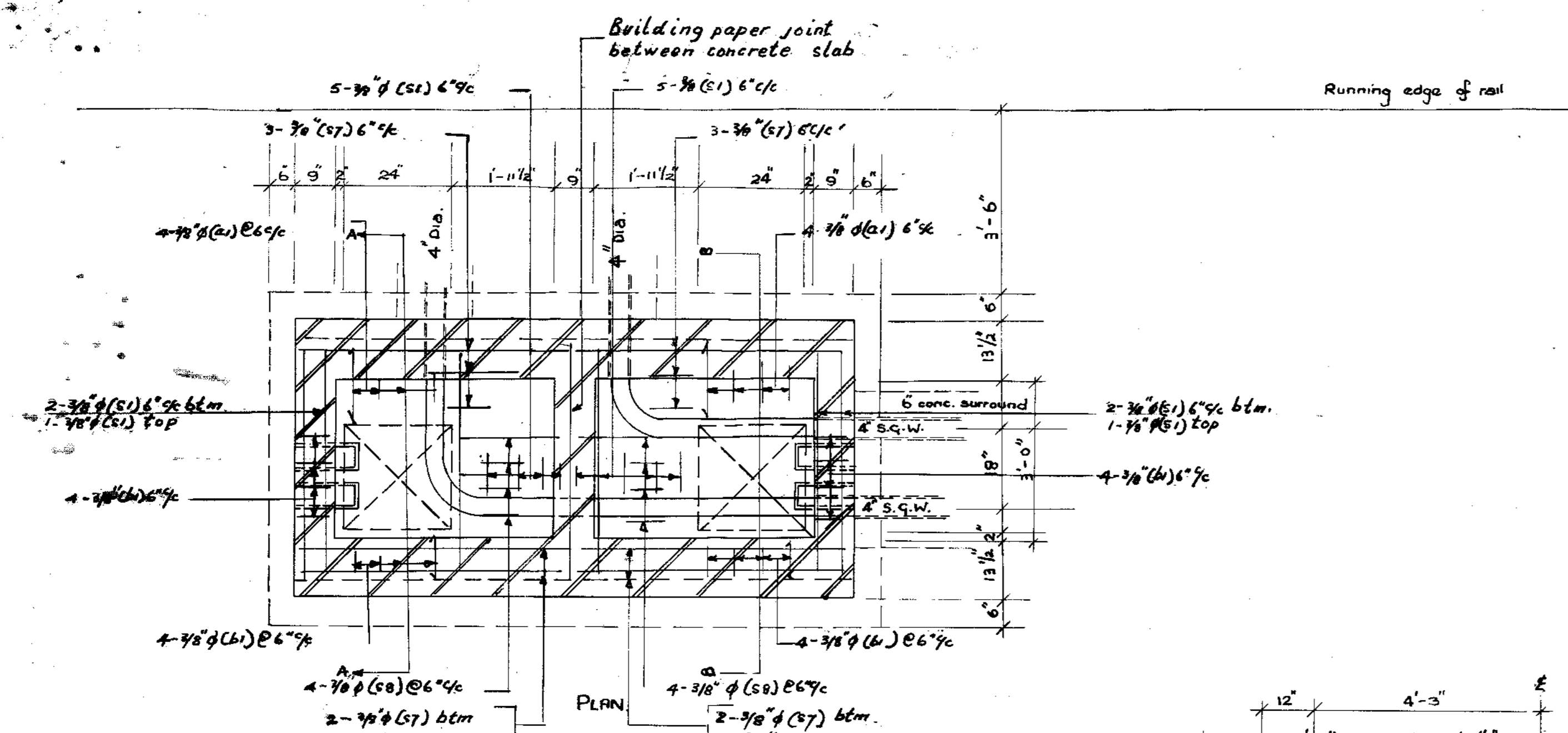
26227

- Cut
- Fill
- Existing levels
- Proposed levels

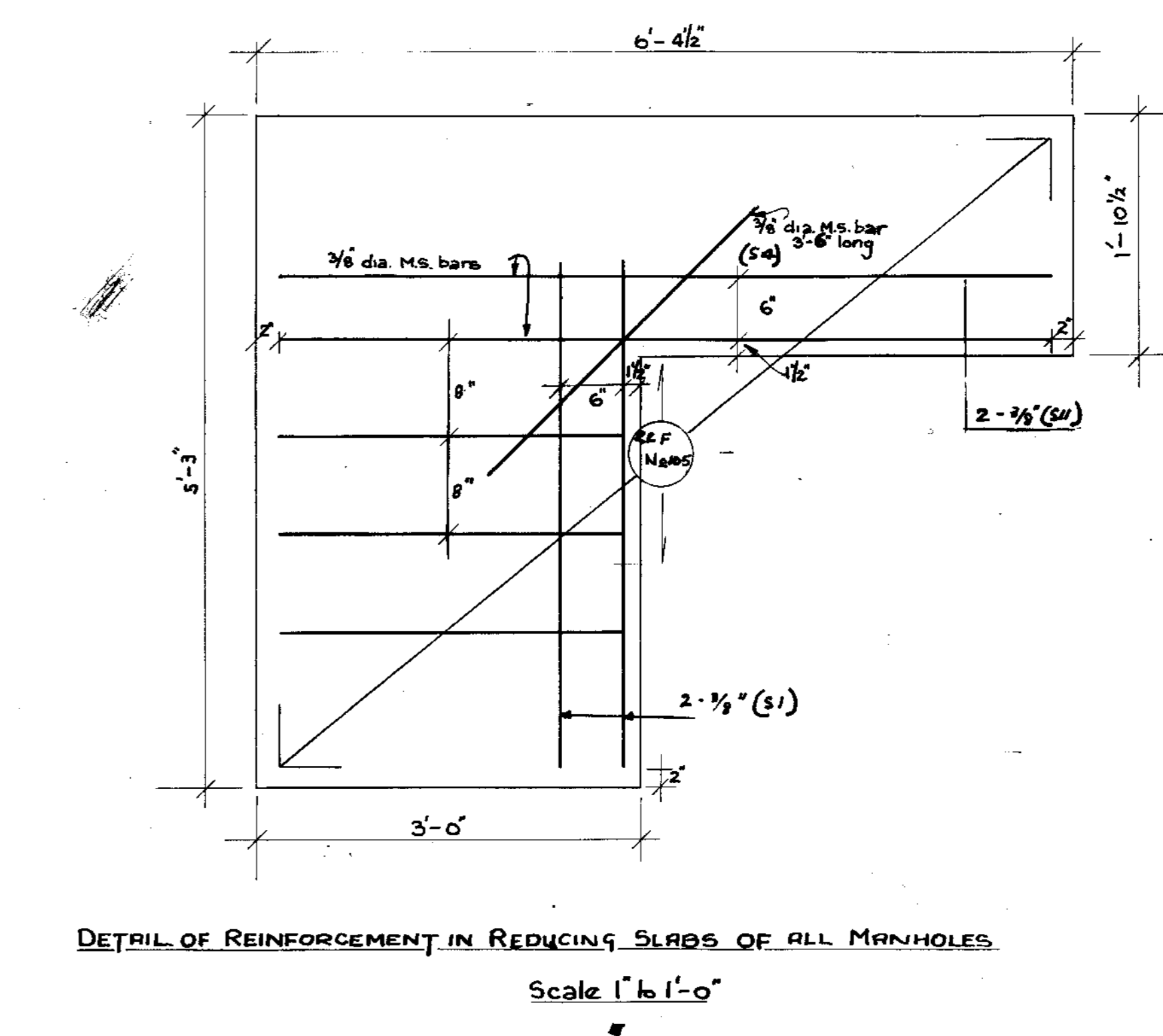
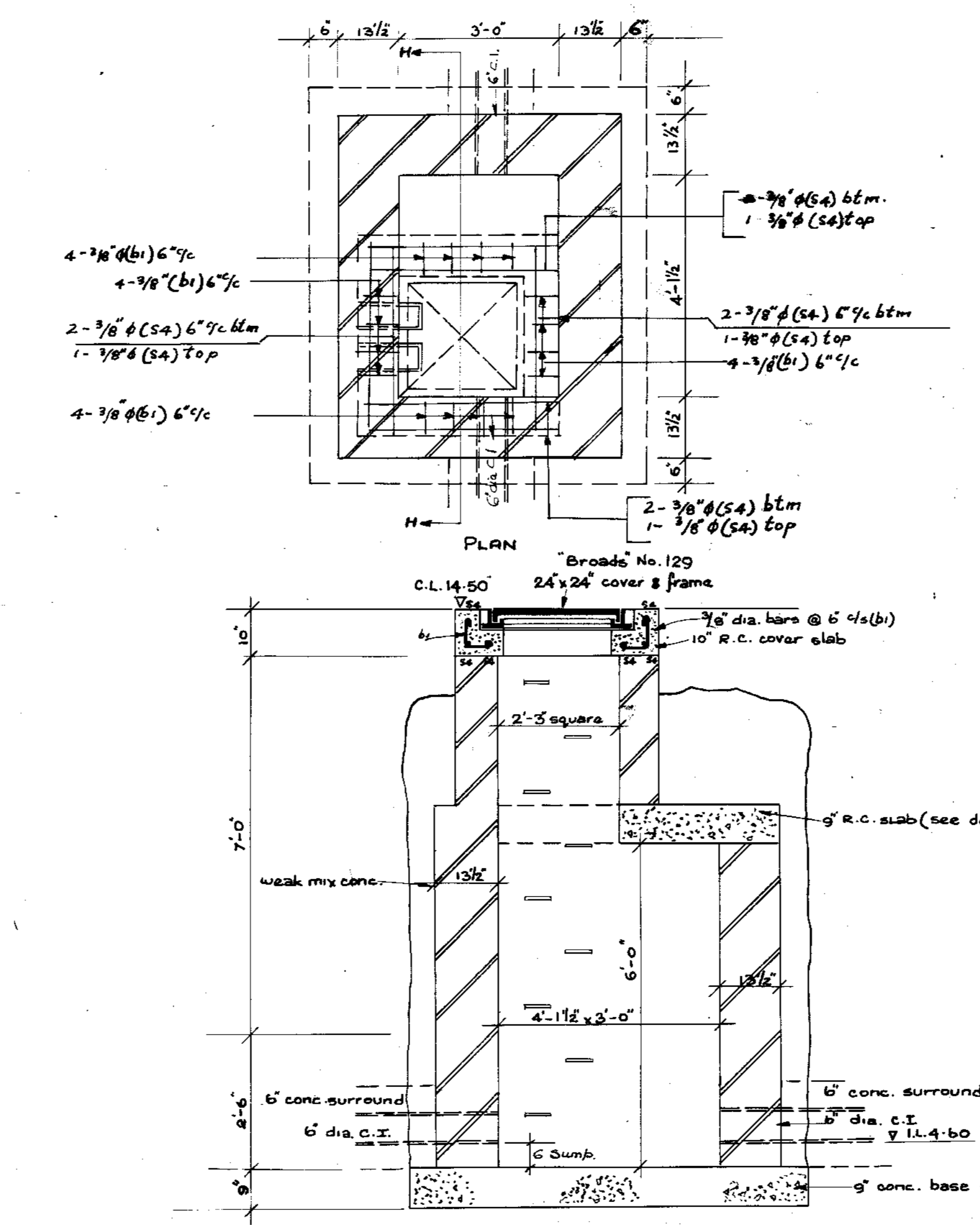
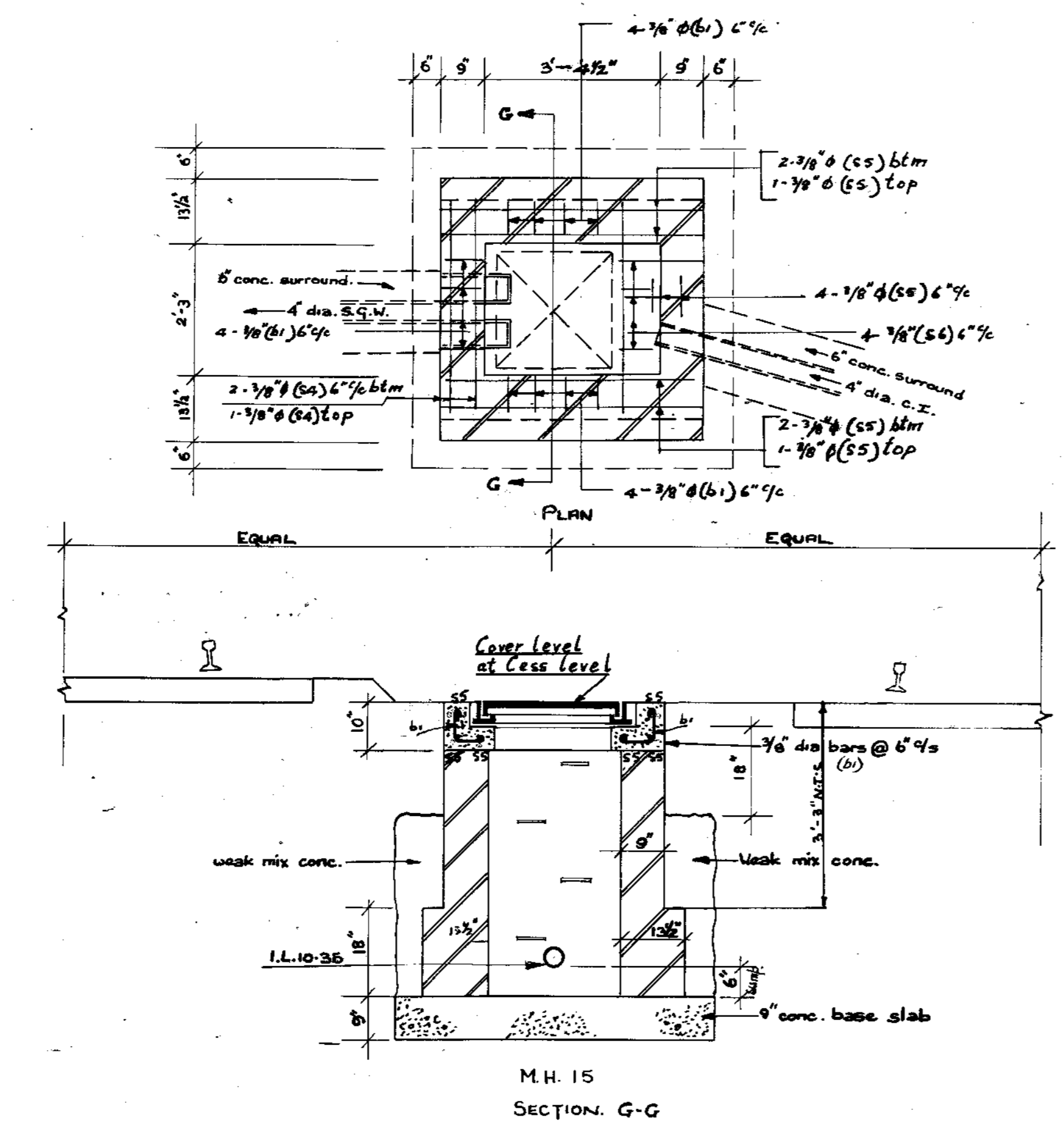
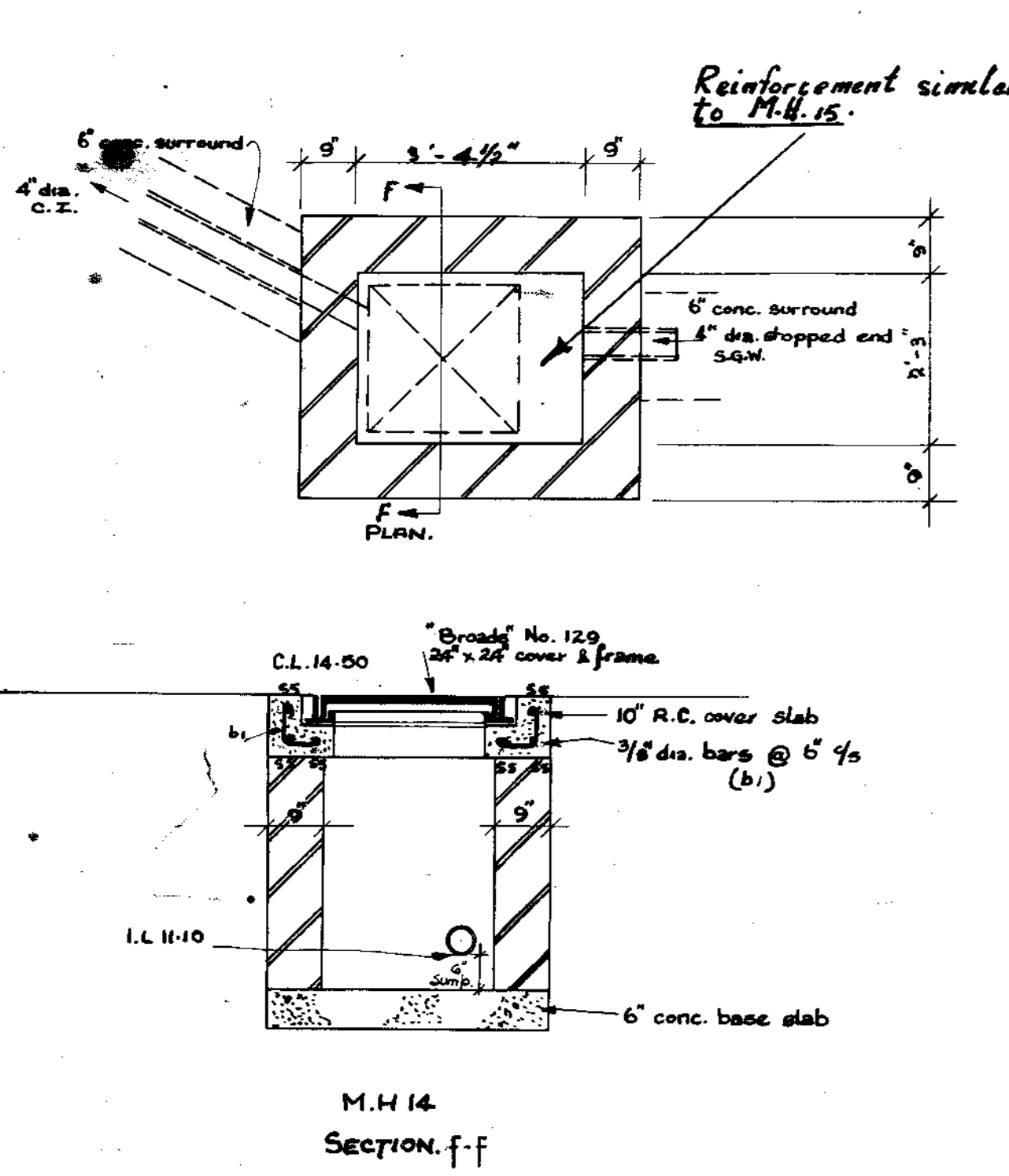
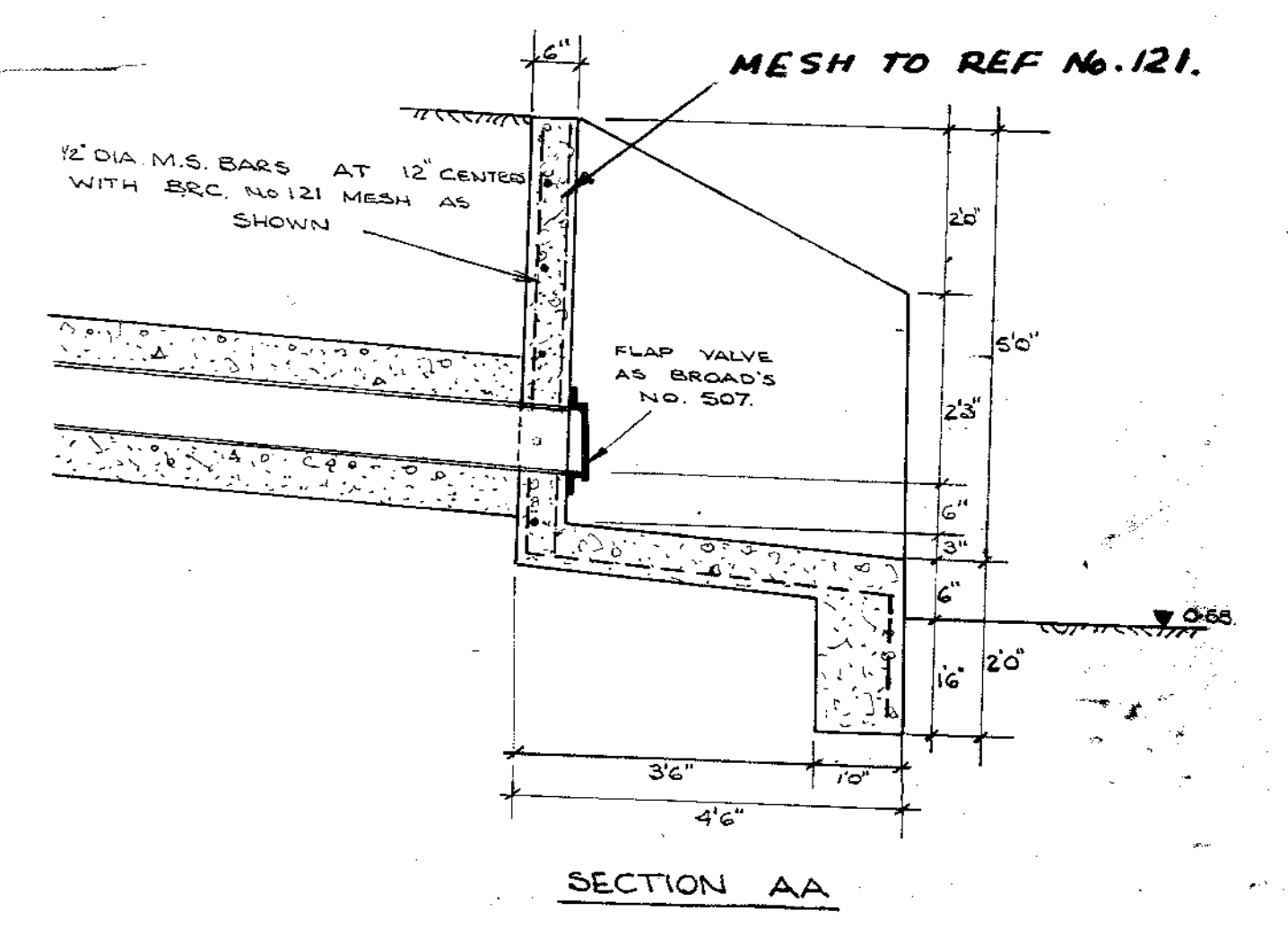
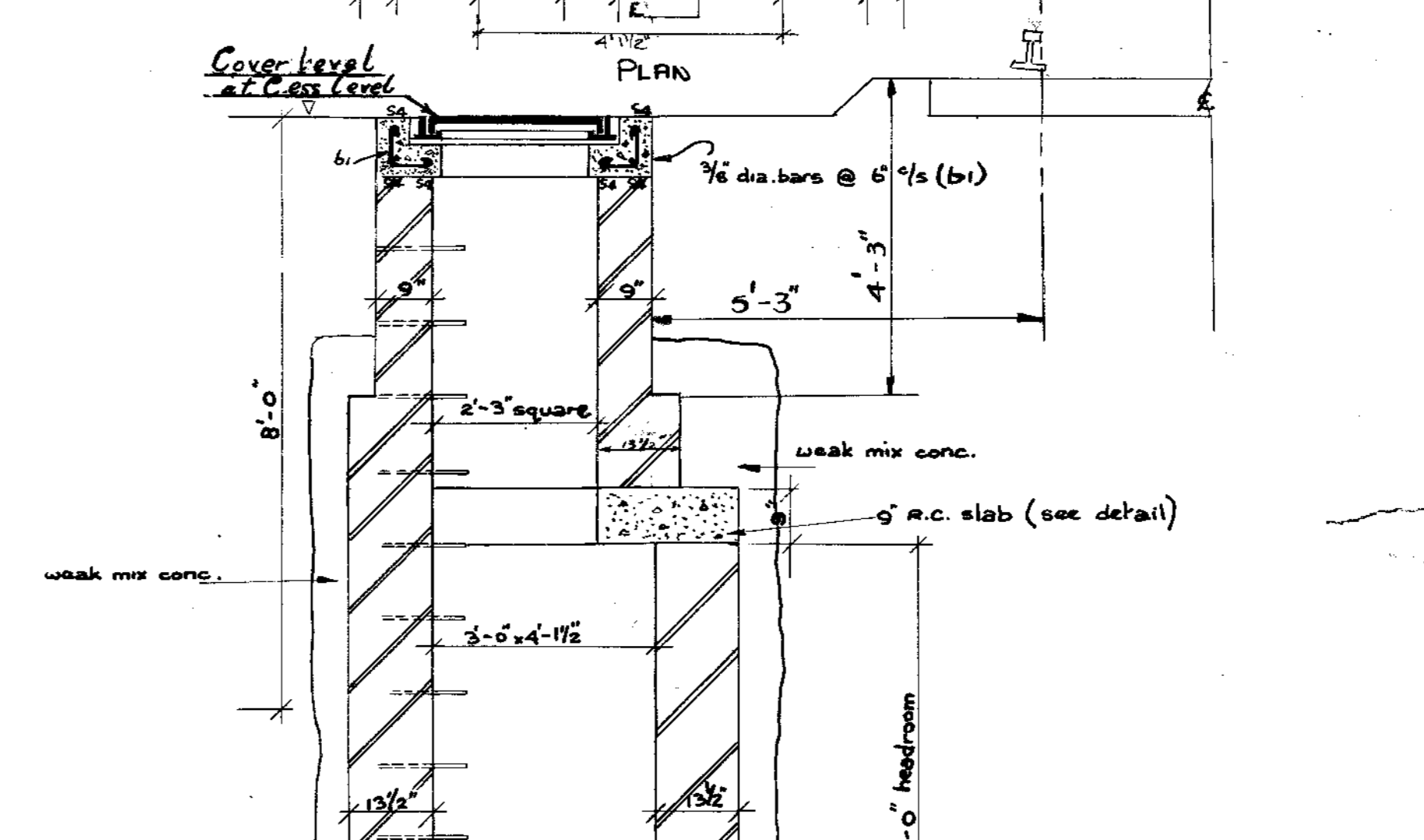
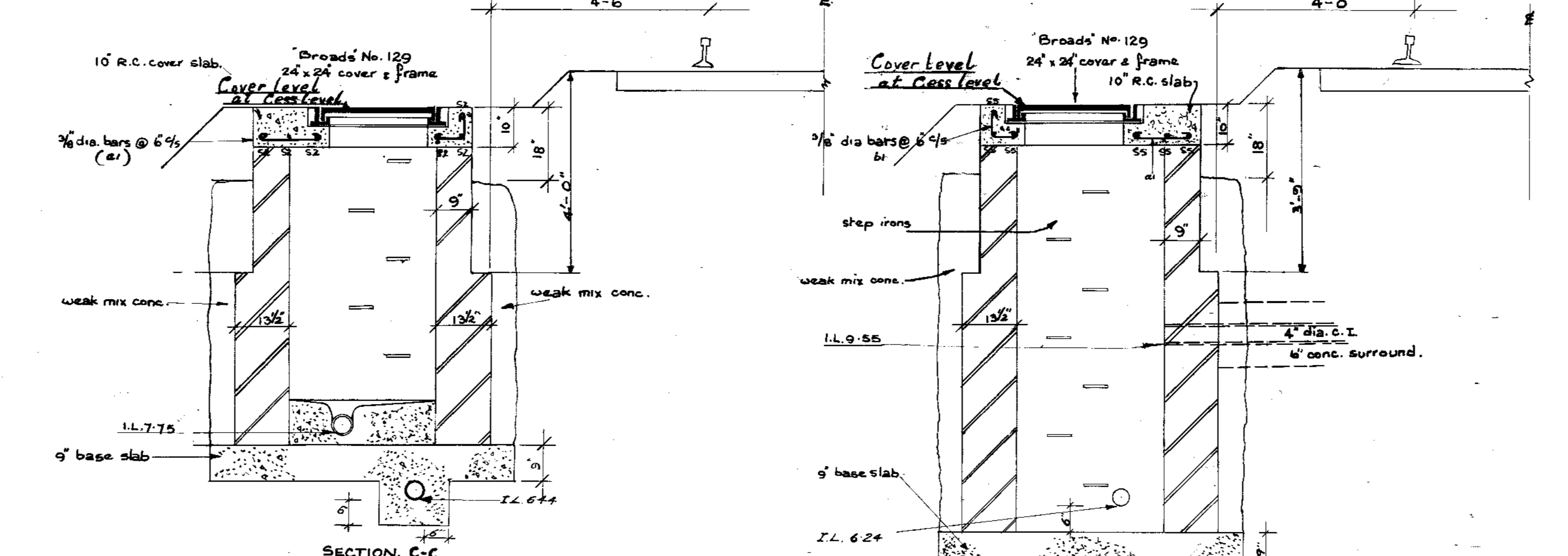
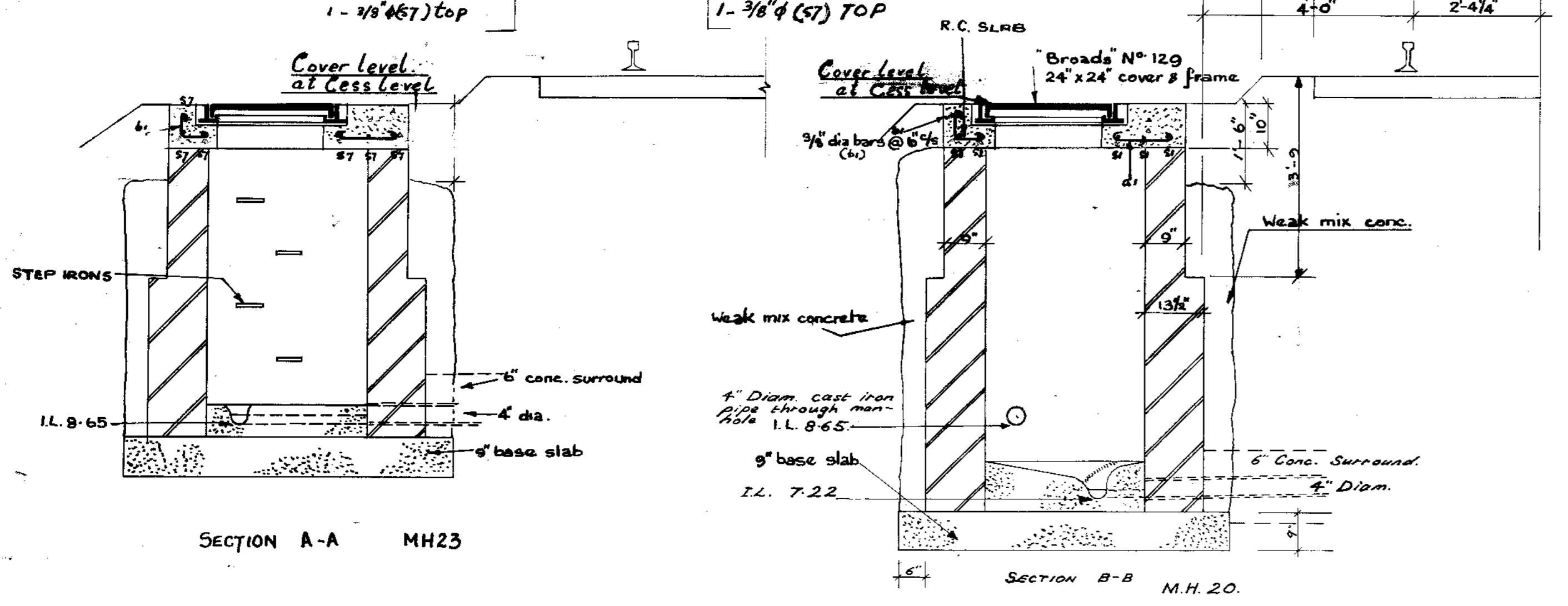
'AS MADE'

<b>BRITISH RAIL.</b> 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





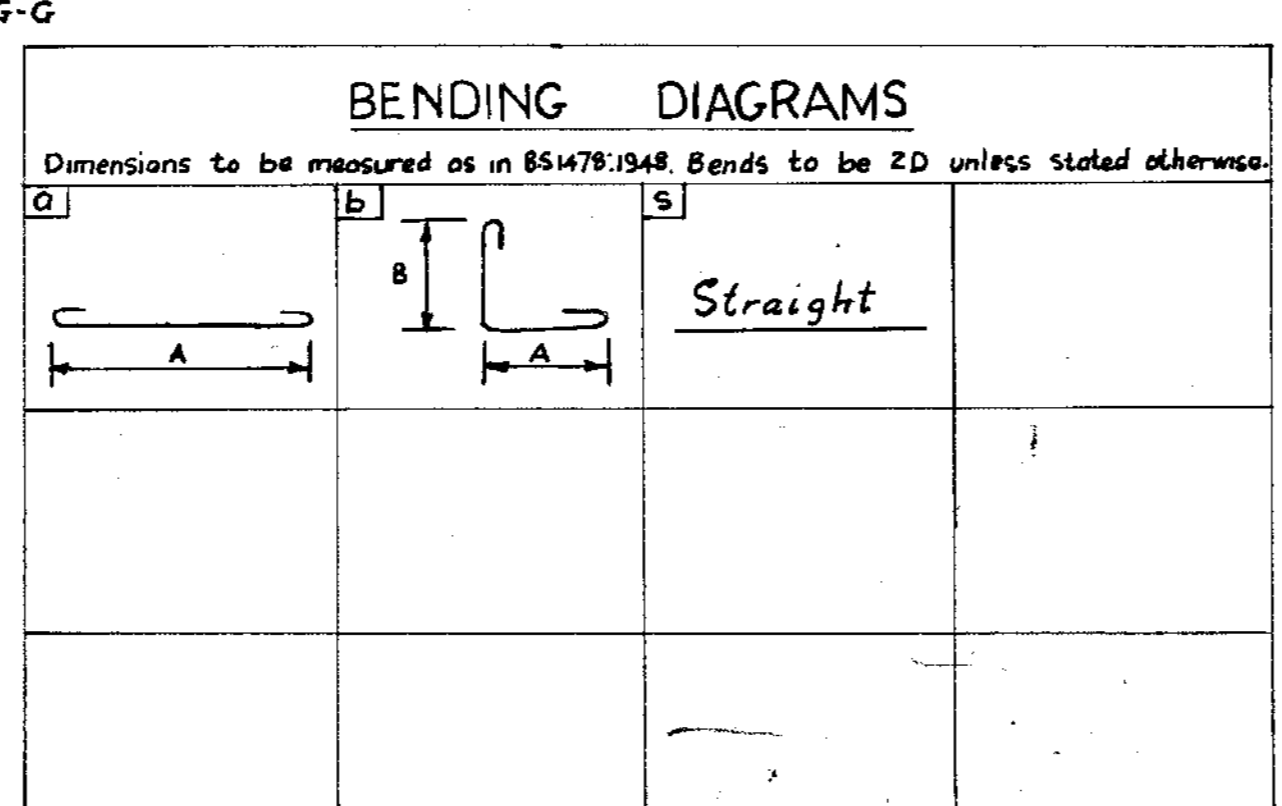
- Notes:
1. Where existing land drains which are to remain in use are found to coincide with new manhole positions such land drains are to be diverted around the new manholes.
  2. All brickwork to be of 2nd. quality engineering bricks in English bond in 1:5 cement mortar.
  3. All concrete to be 1:2:4 (S.V) mix unless noted.
  4. Concrete bedding 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 1 1/2" 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 13/2" 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 13/2" thick below 9'-0".
  14. For details of reinforcement in reducing slab see below.
  15. Sulphate Resisting Cement to be used for all concrete.



NOTE: The mesh is to be placed 1 1/2" up from the bottom with the 3/8" M.S. bars placed on top of the mesh.

BENDING SCHEDULE										
LOCATION	MARK	DIA.	LENGTH	NO.	TOTAL	A	B	C	D	REMARKS
MH 20 # 23	a1	3/8"	2'-0"	4	8	1'-4"				
	b1	3/8"	1'-9"	8	16	7 1/2"	7"			
	s7	3/8"	5'-0"	6	12					
	s8	3/8"	4'-3"	8	16					
MH 14 # 15	b1	3/8"	1'-9"	12	24	7 1/2"	7"			
	s4	3/8"	3'-6"	7	14					
	s5	3/8"	4'-6"	6	12					

BENDING SCHEDULE										
LOCATION	MARK	DIA.	LENGTH	NO.	TOTAL	A	B	C	D	REMARKS
MH 18 # 19	s11	3/8"	6'-0"	2	4					
	b1	3/8"	1'-9"	16	32	7 1/2"	7"			
	s4	3/8"	3'-6"	3	26					
MH 21 # 24	a1	3/8"	2'-0"	4	8	1'-4"				
	b1	3/8"	1'-9"	8	16	7 1/2"	7"			
	s7	3/8"	4'-3"	9	18					
	s2	3/8"	5'-3"	6	12					



BRITISH RAIL  
Diesel Service Station, Immingham.

Manhole Details  
Manhole Nos. 14, 15, 18, 19, 20, 21, 23, 24

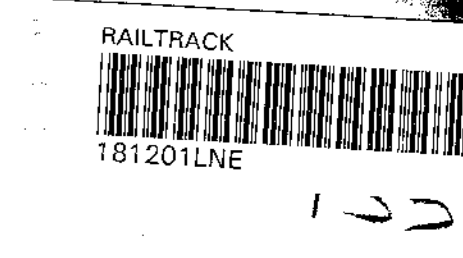
OUTFALL DETAIL AND BENDING SLAB DETAIL

Scale: 1/2" = 1'-0"

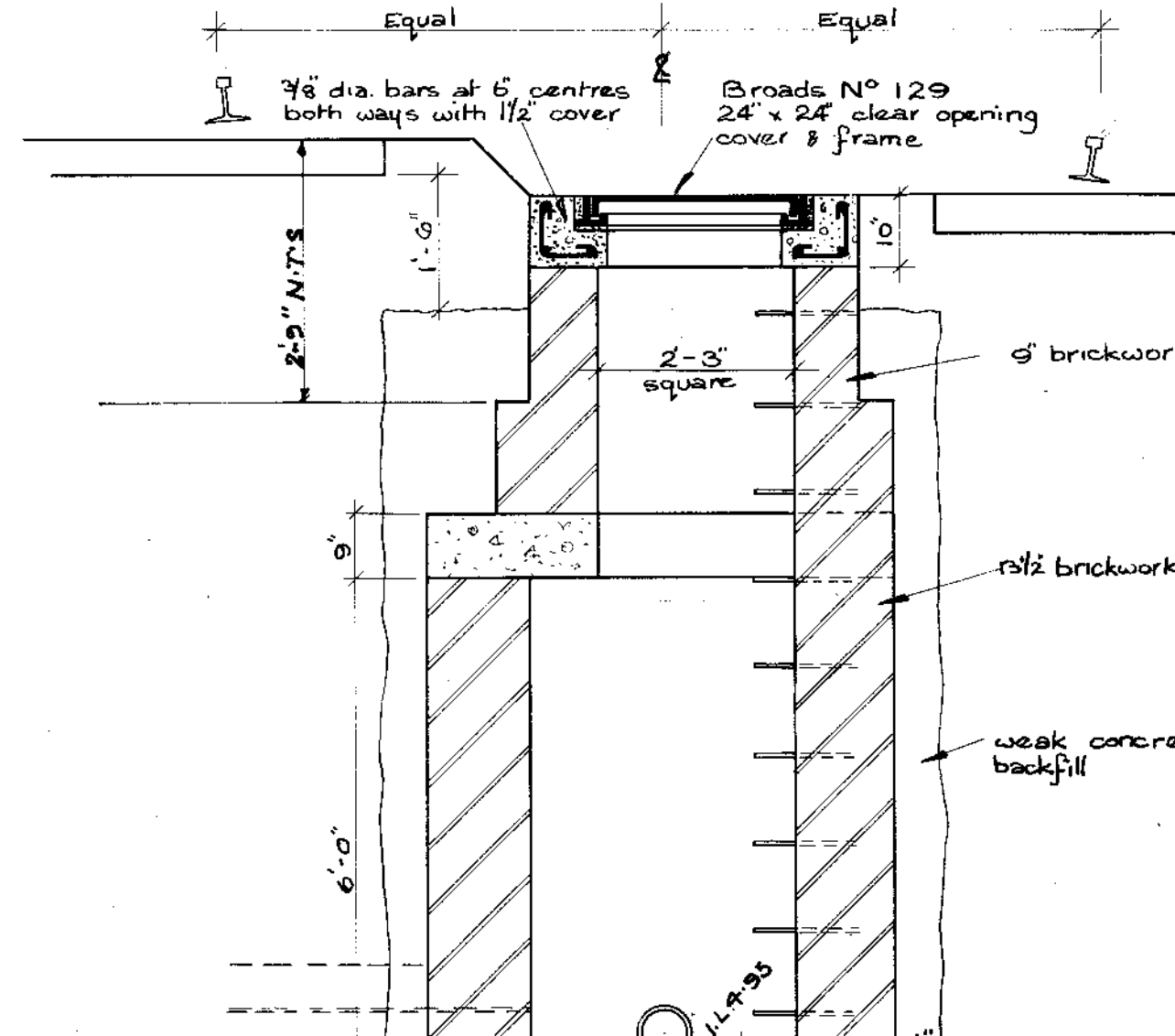
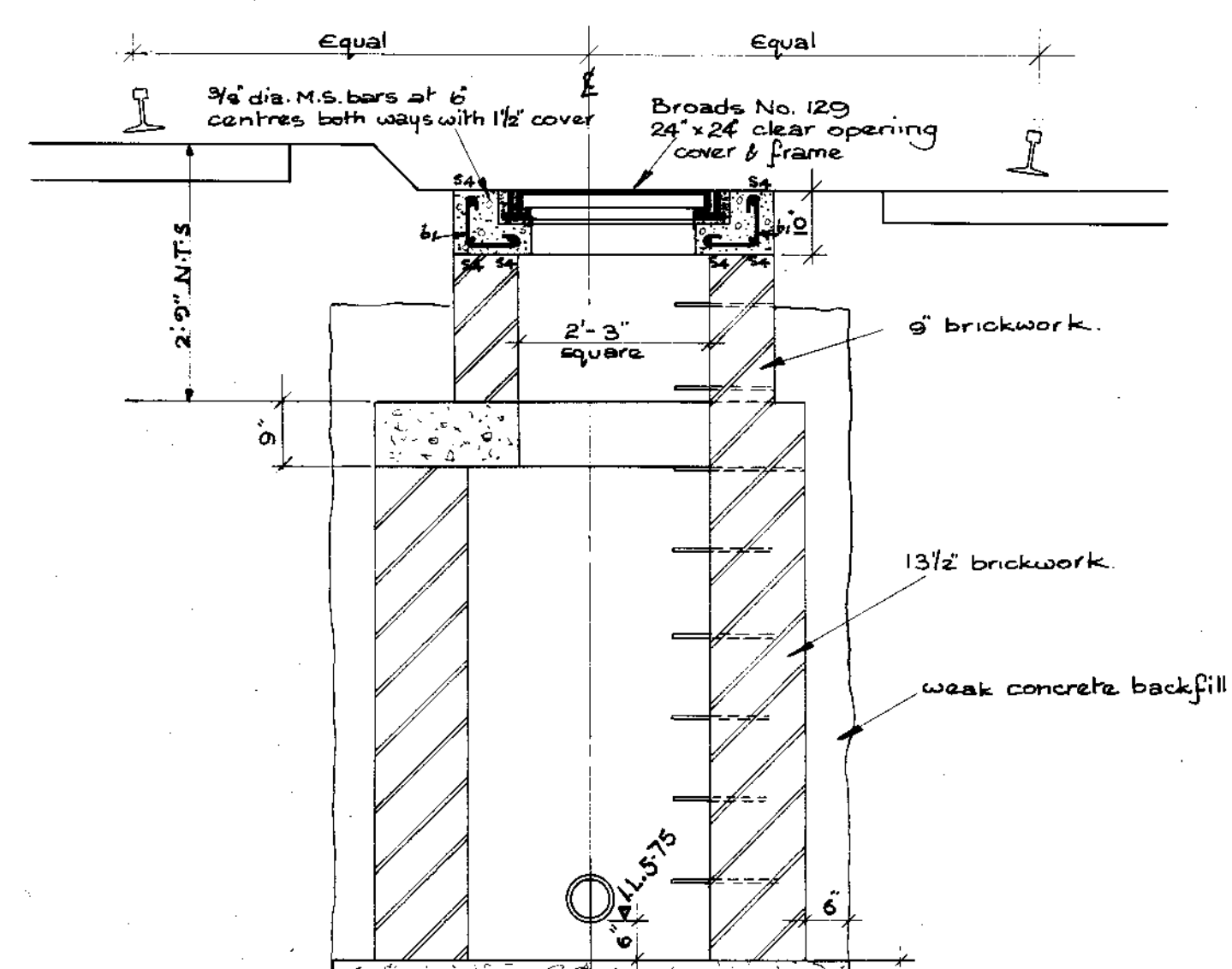
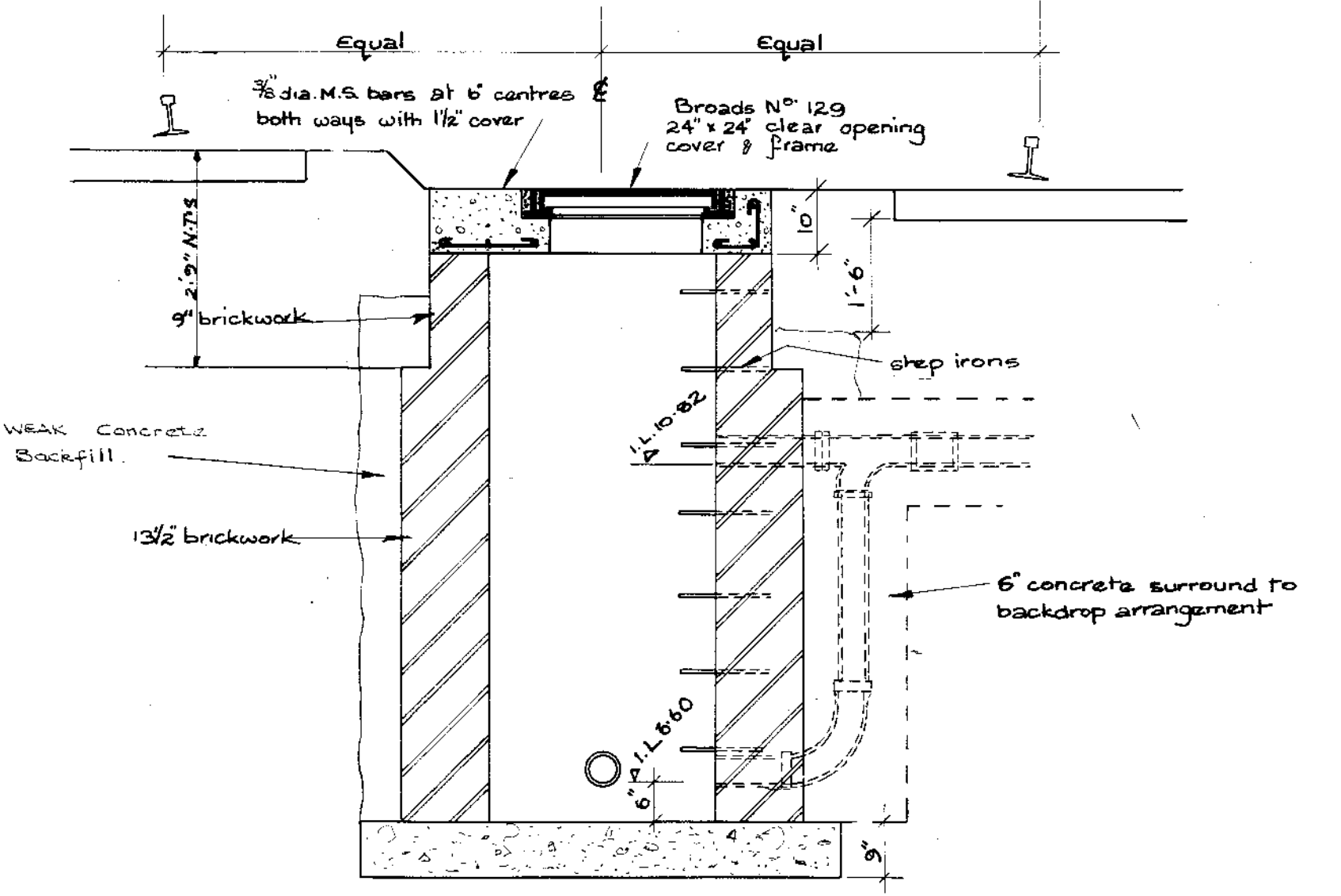
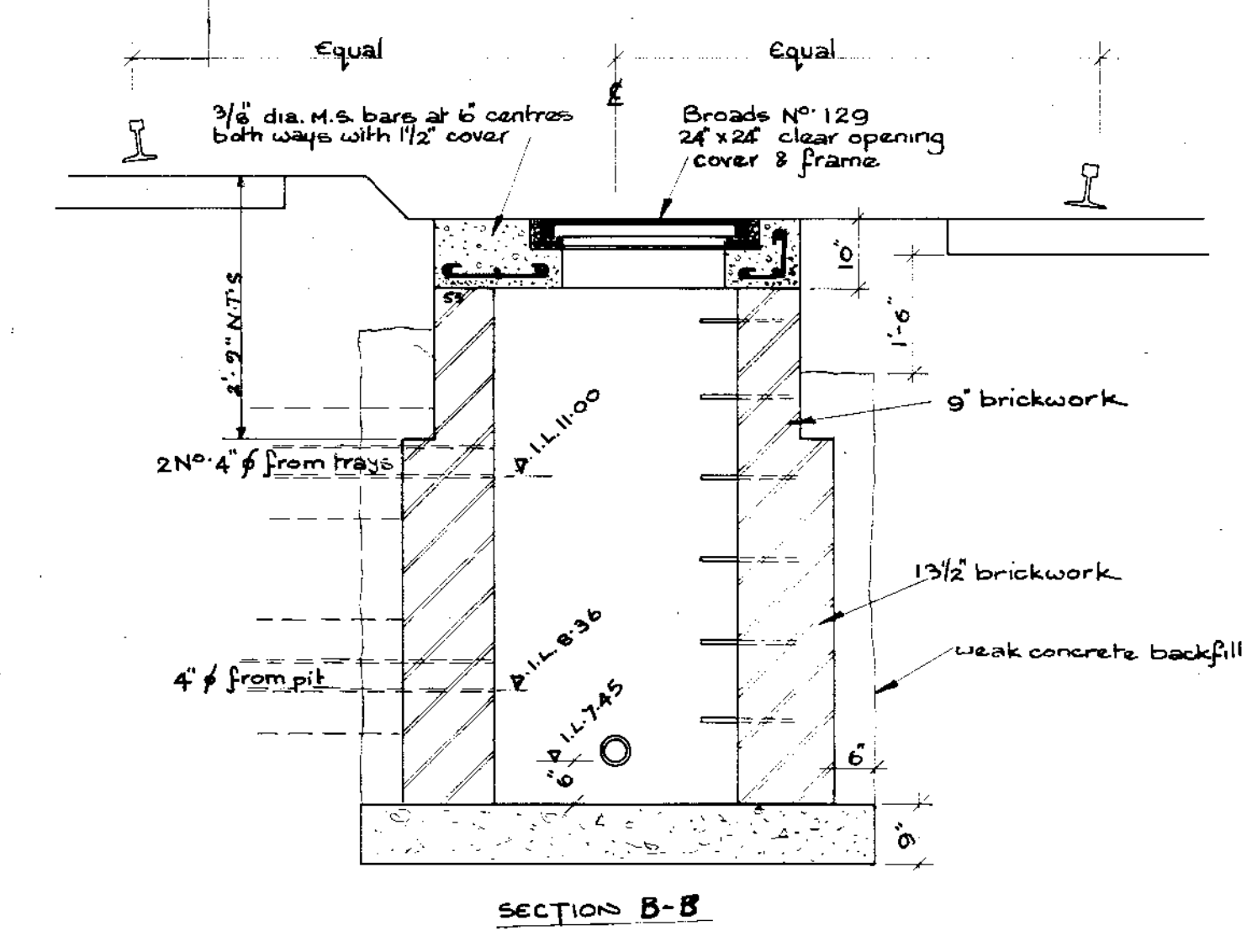
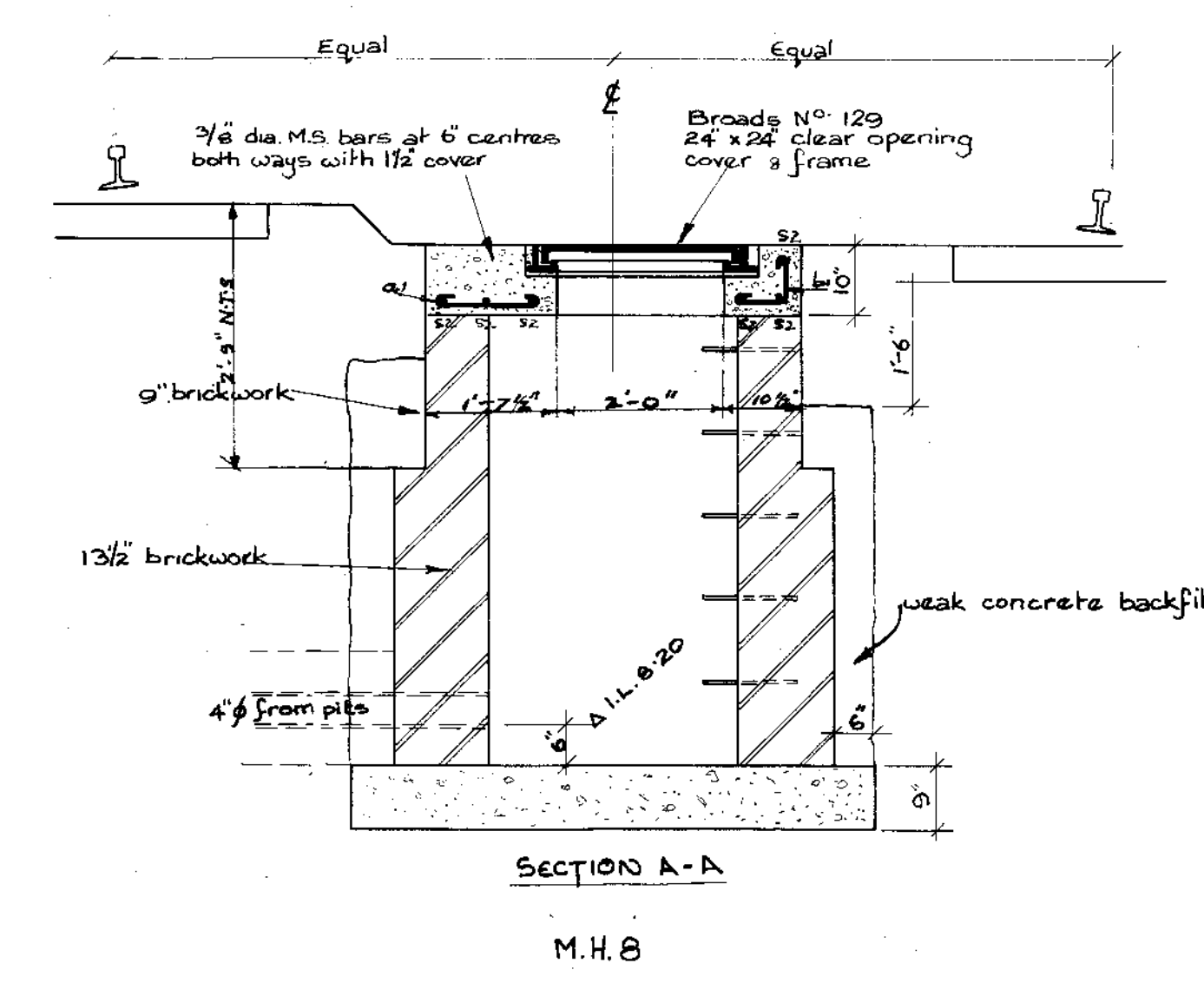
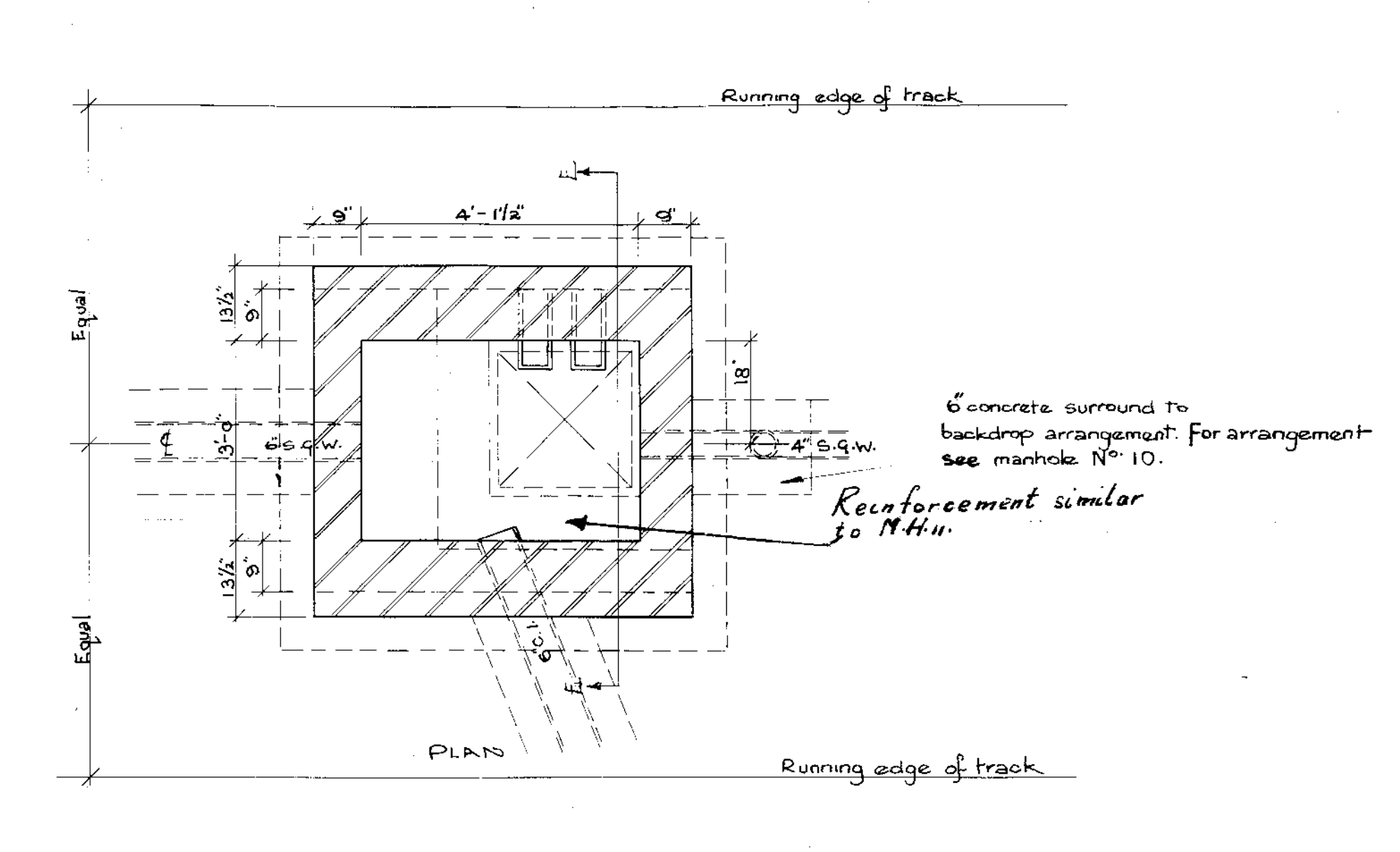
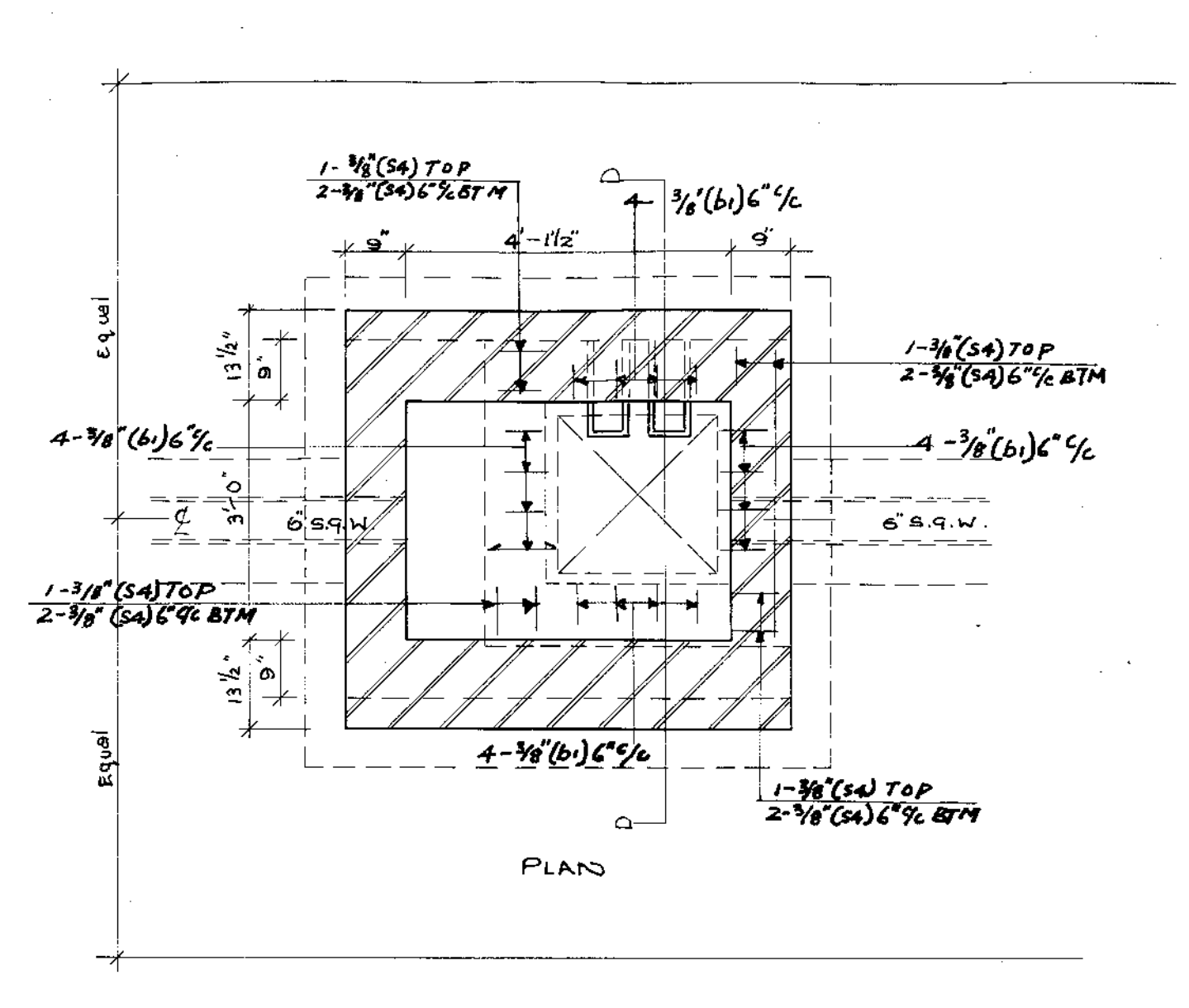
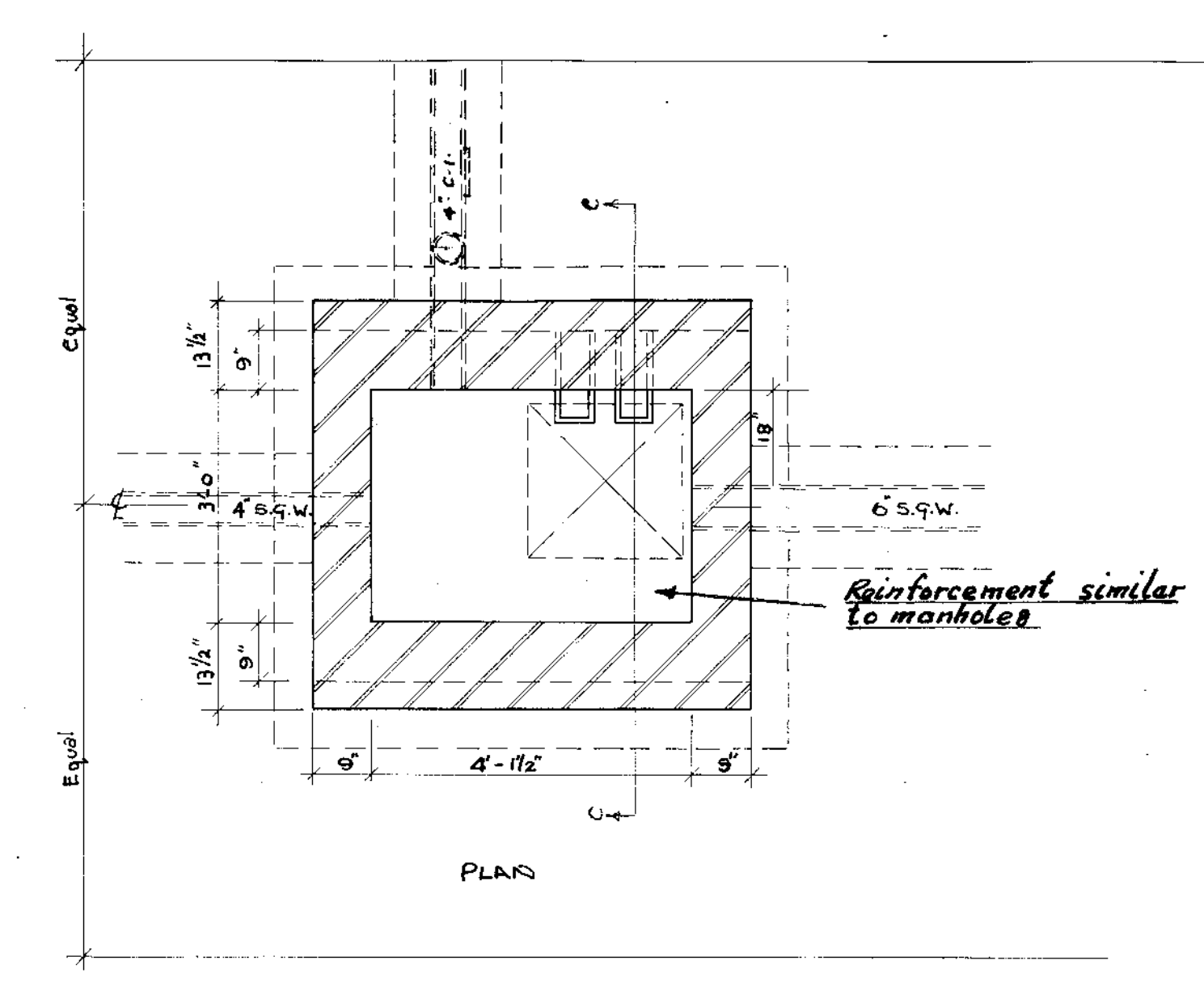
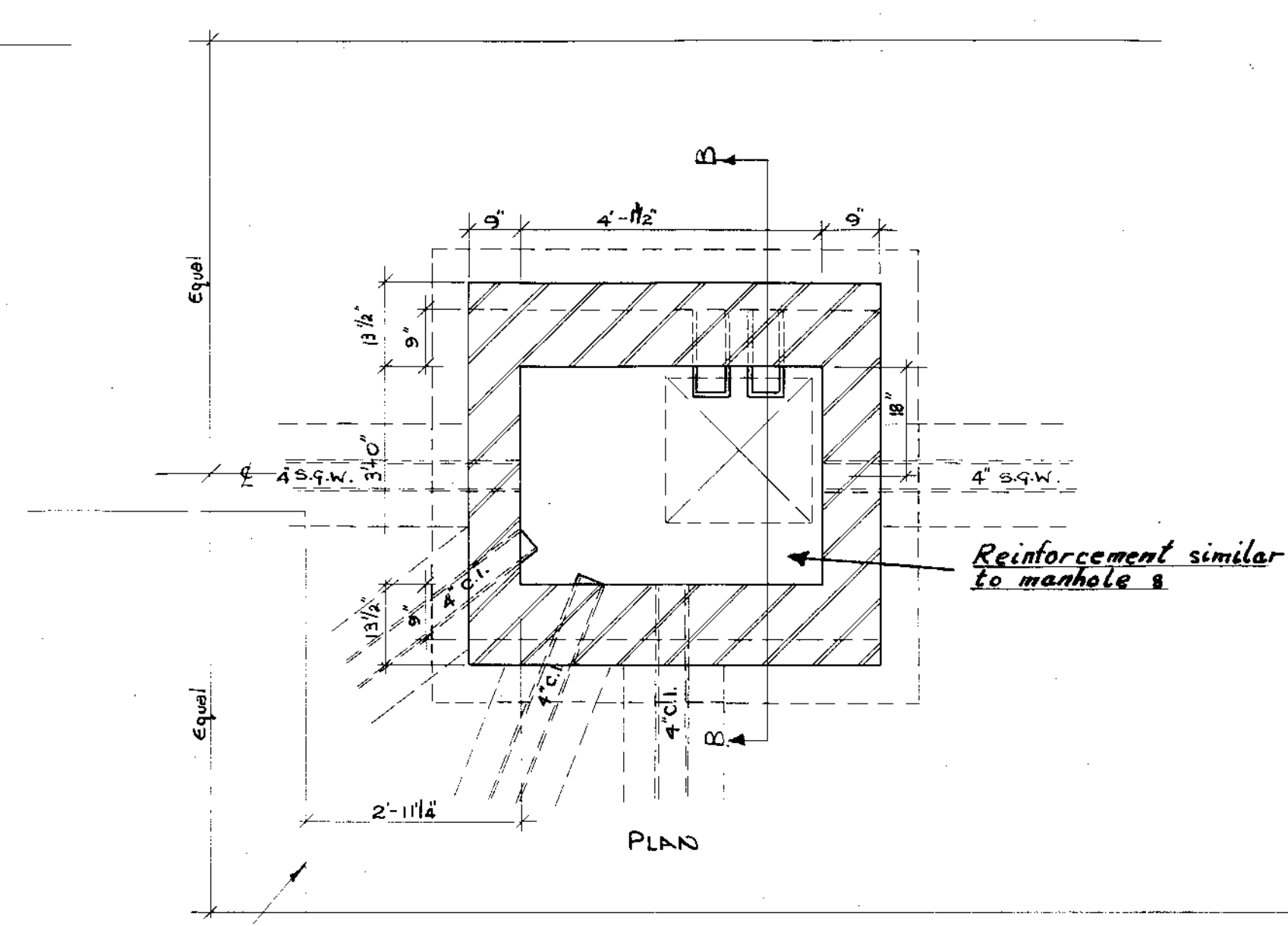
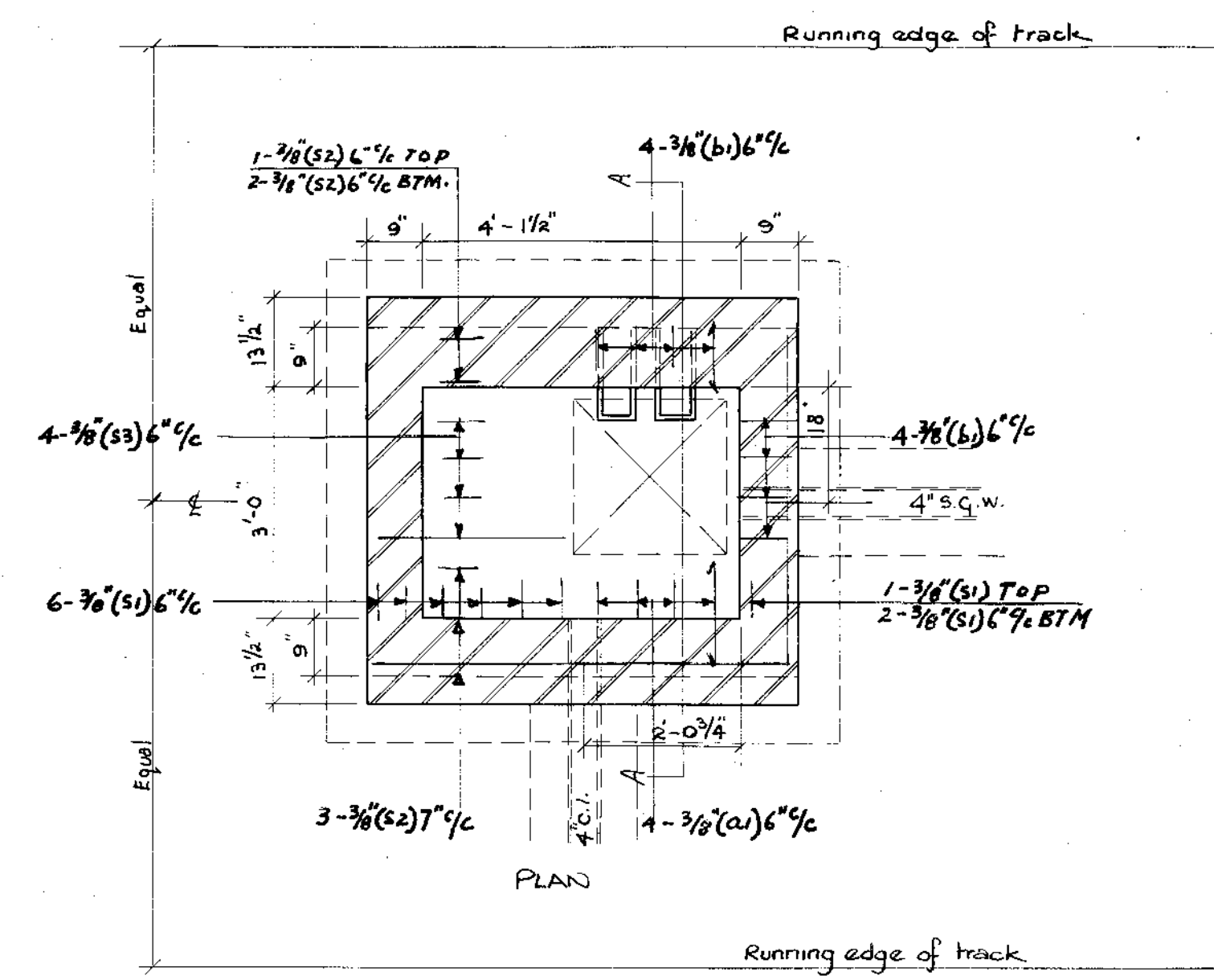
Drawn: F.D.L.T.D.  
Checked: M-6-65

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

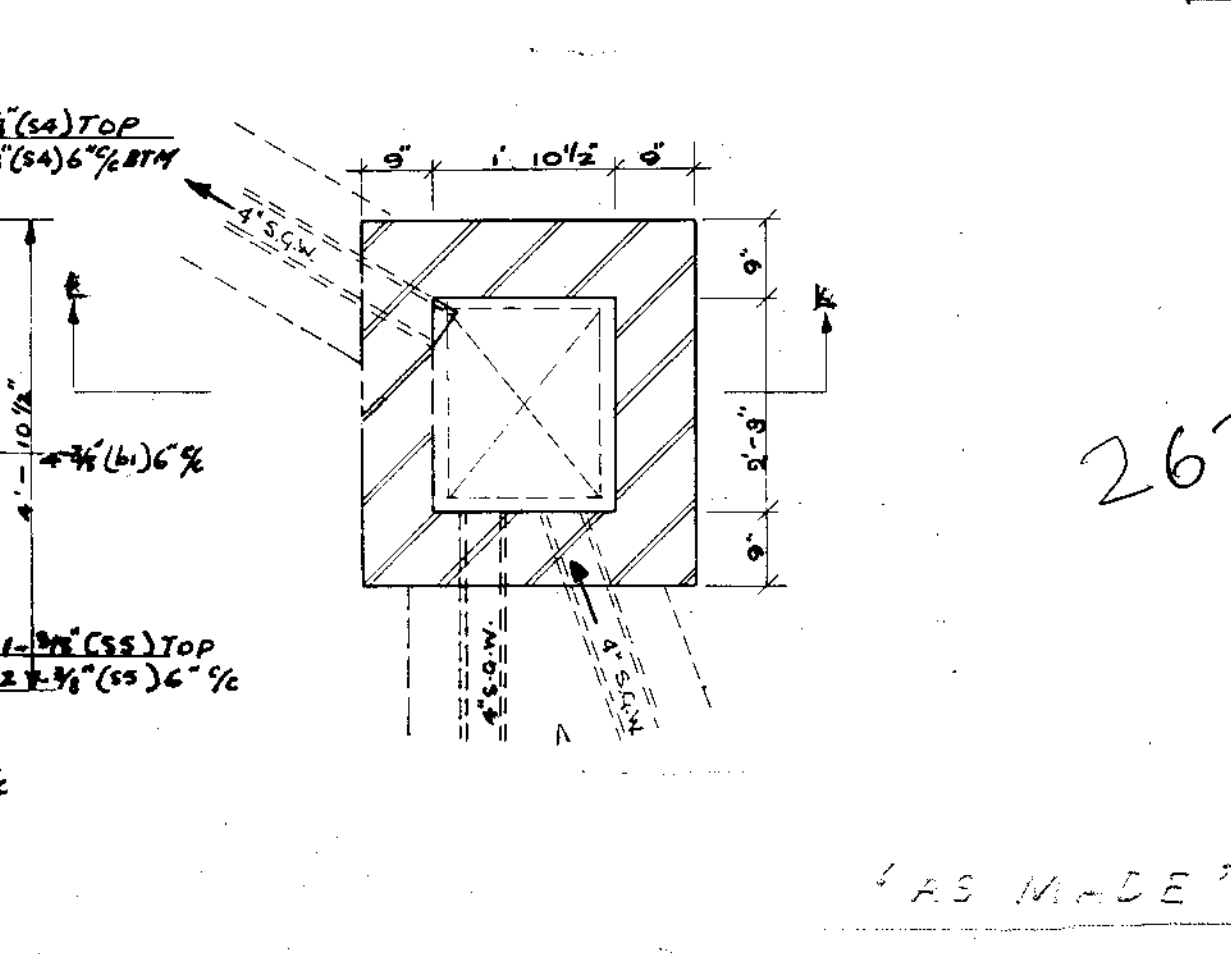
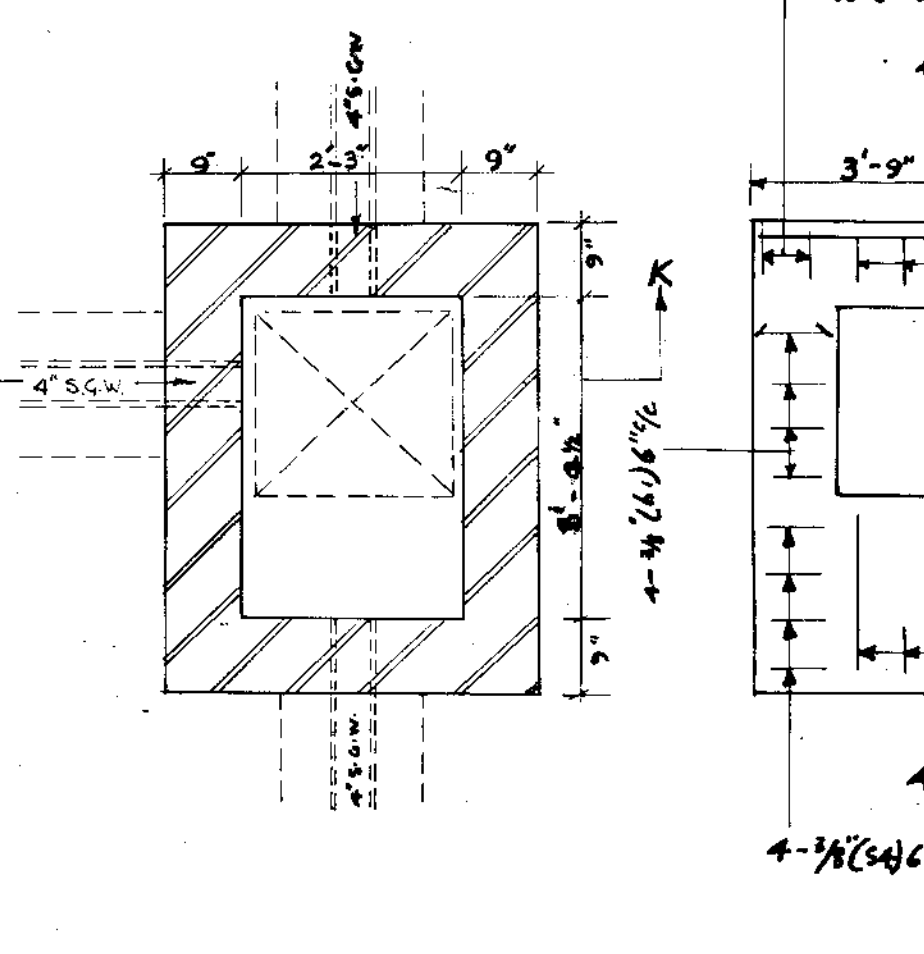
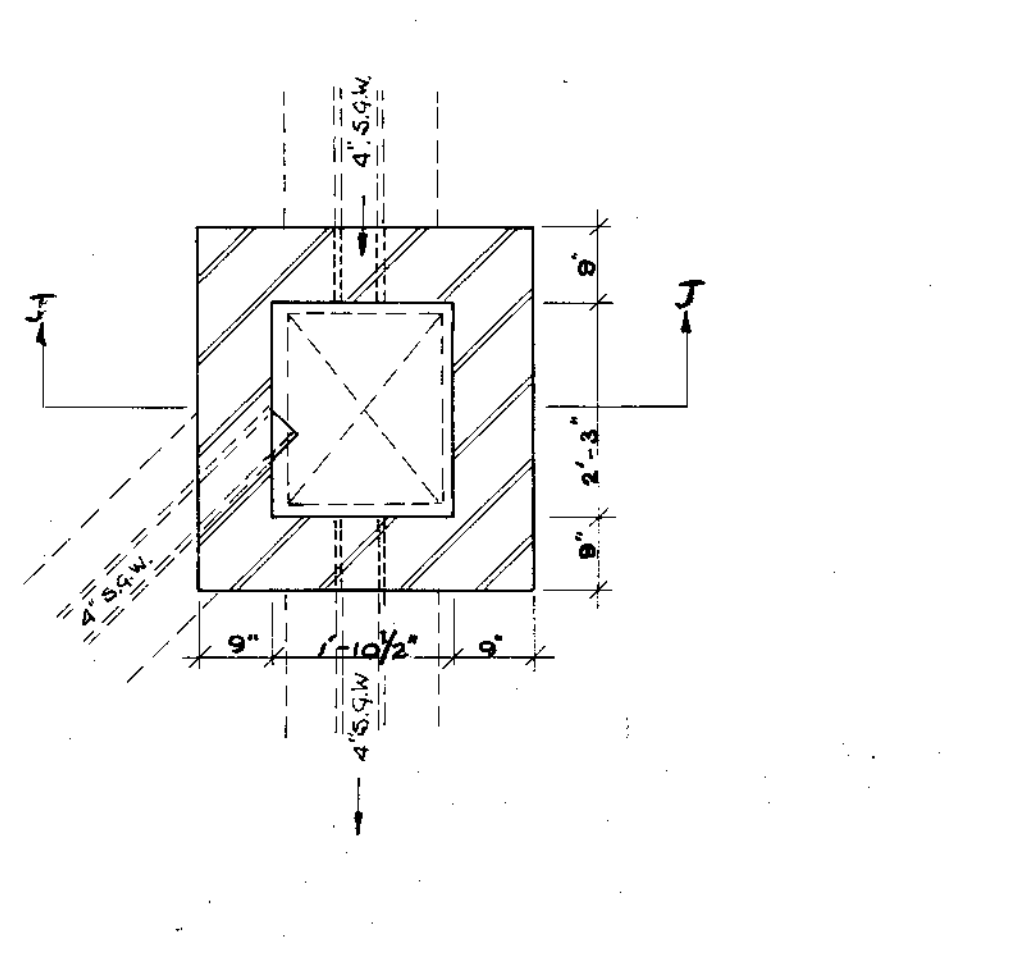
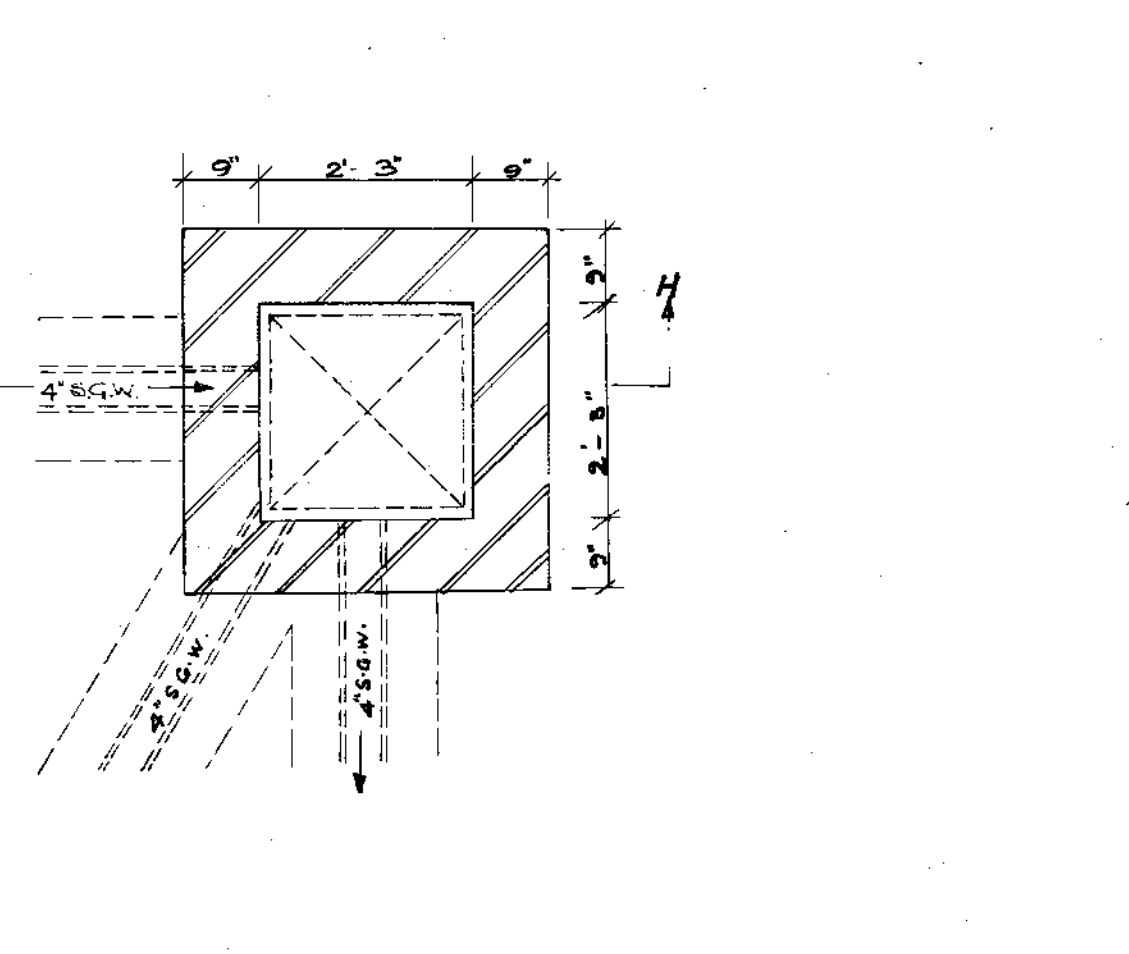
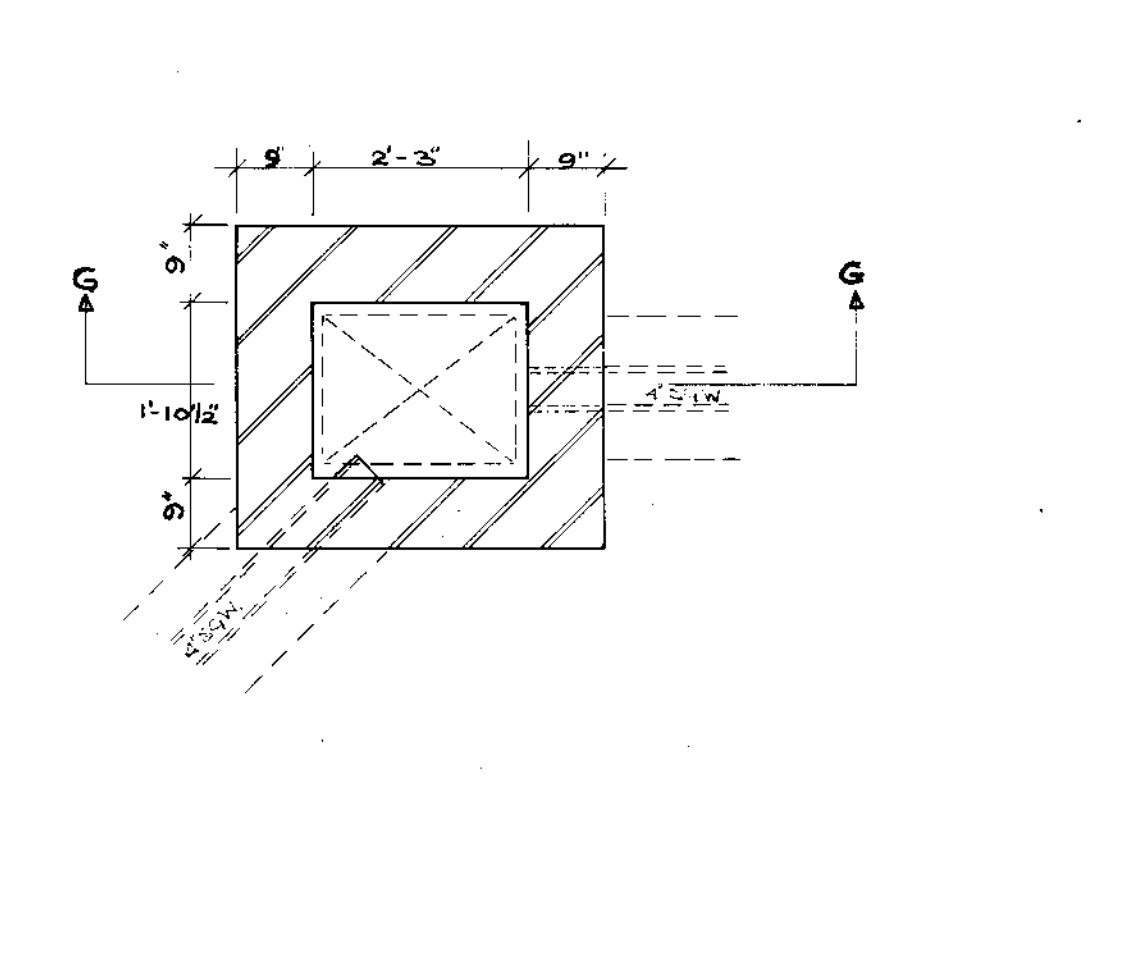
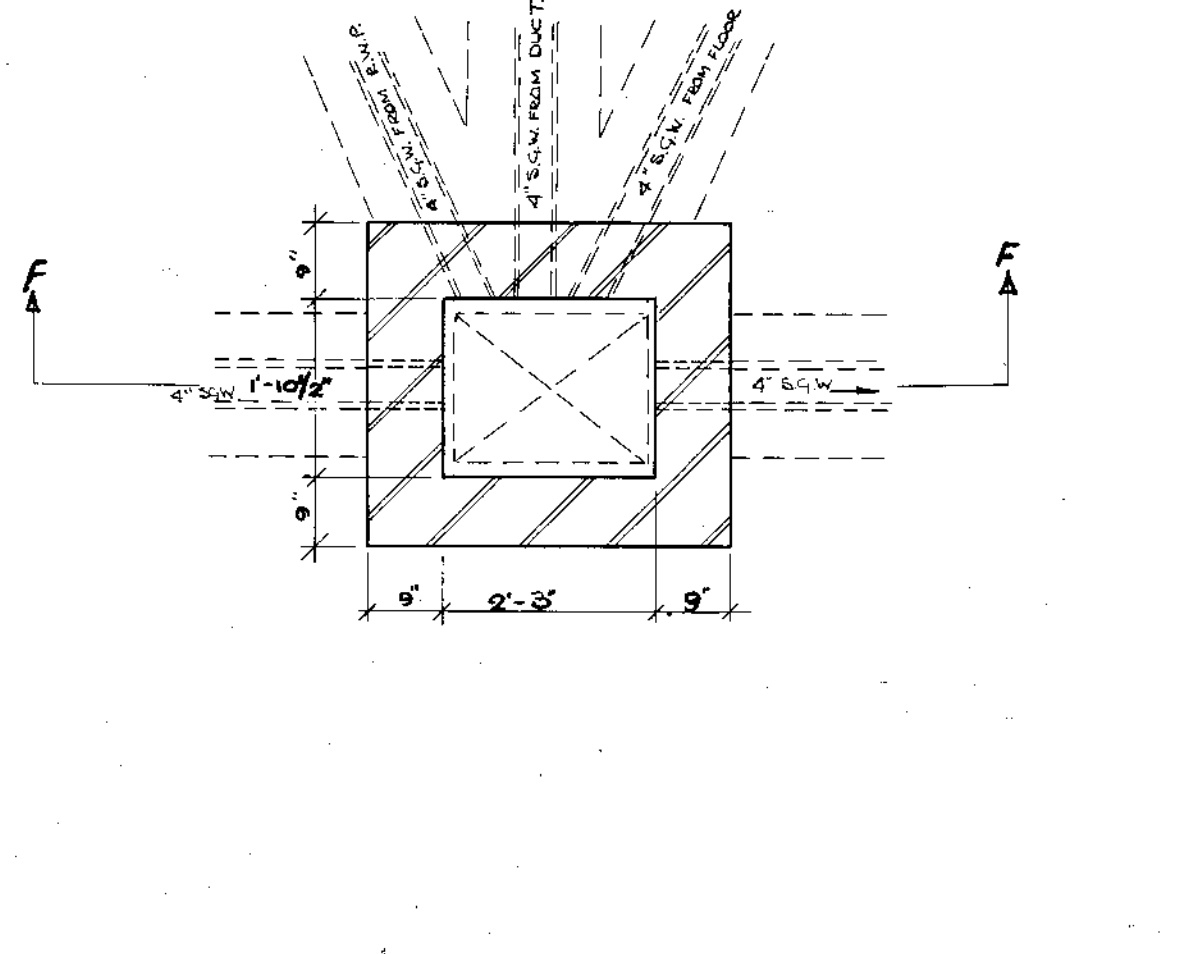
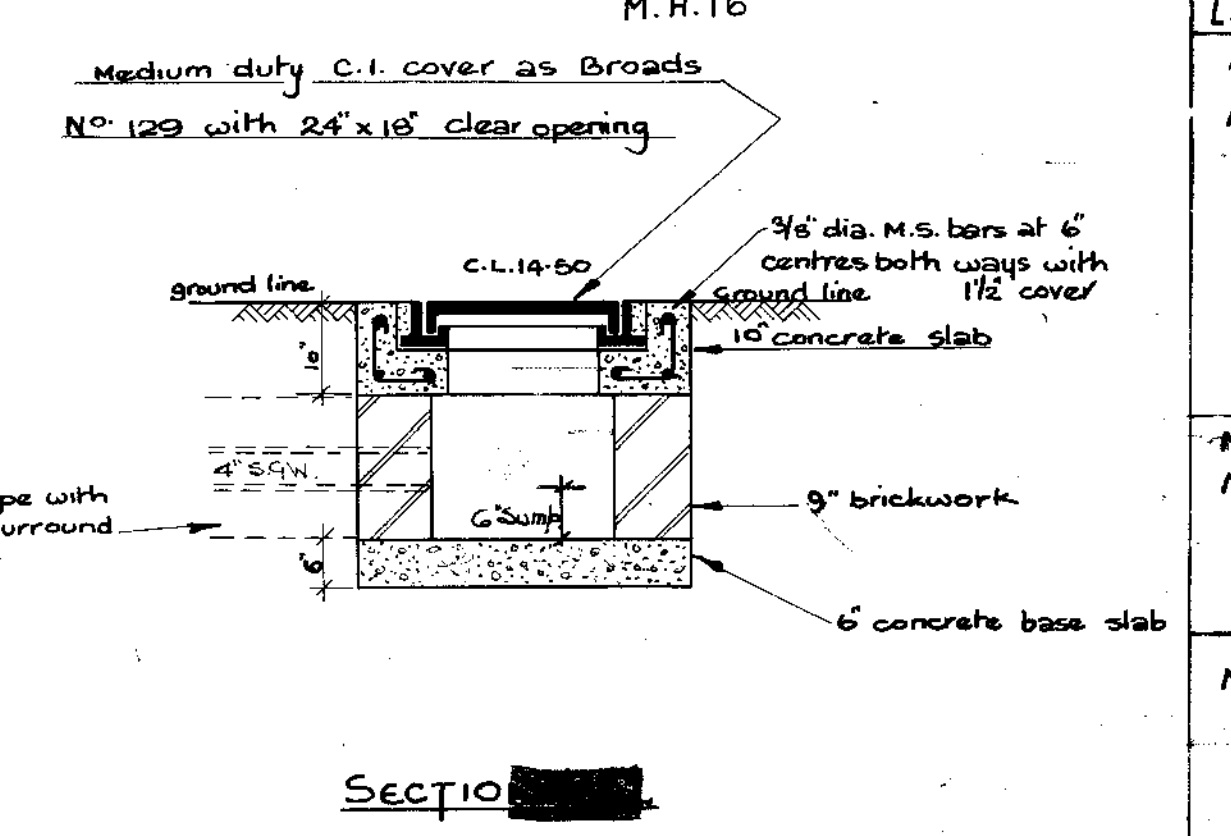
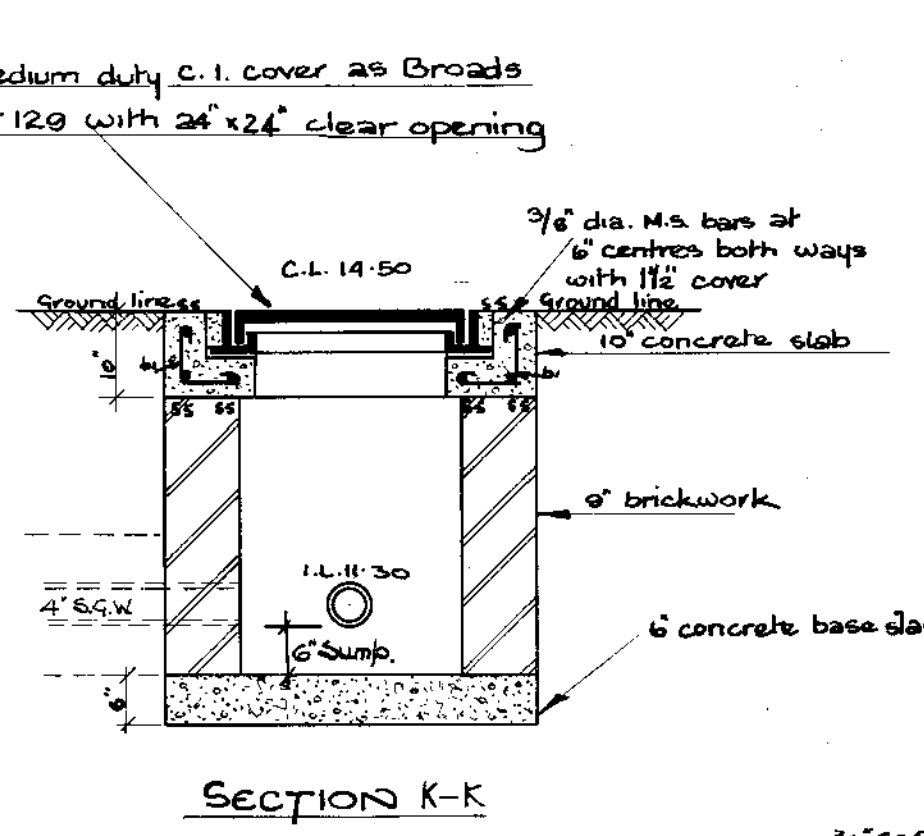
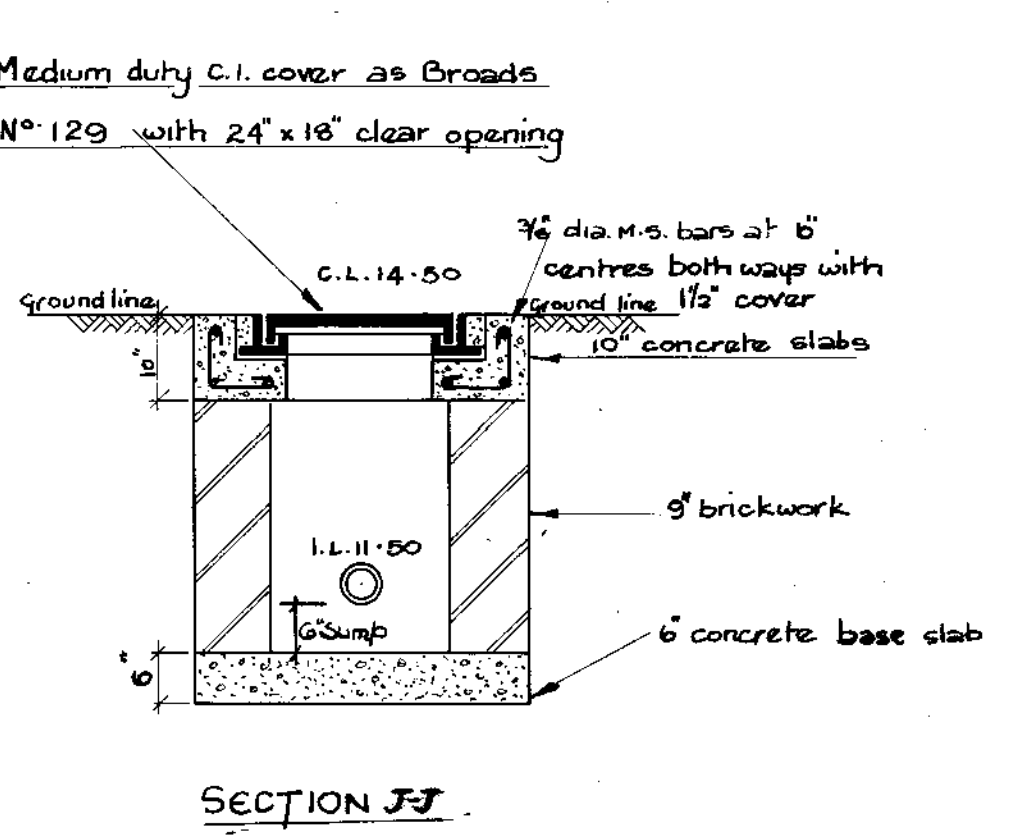
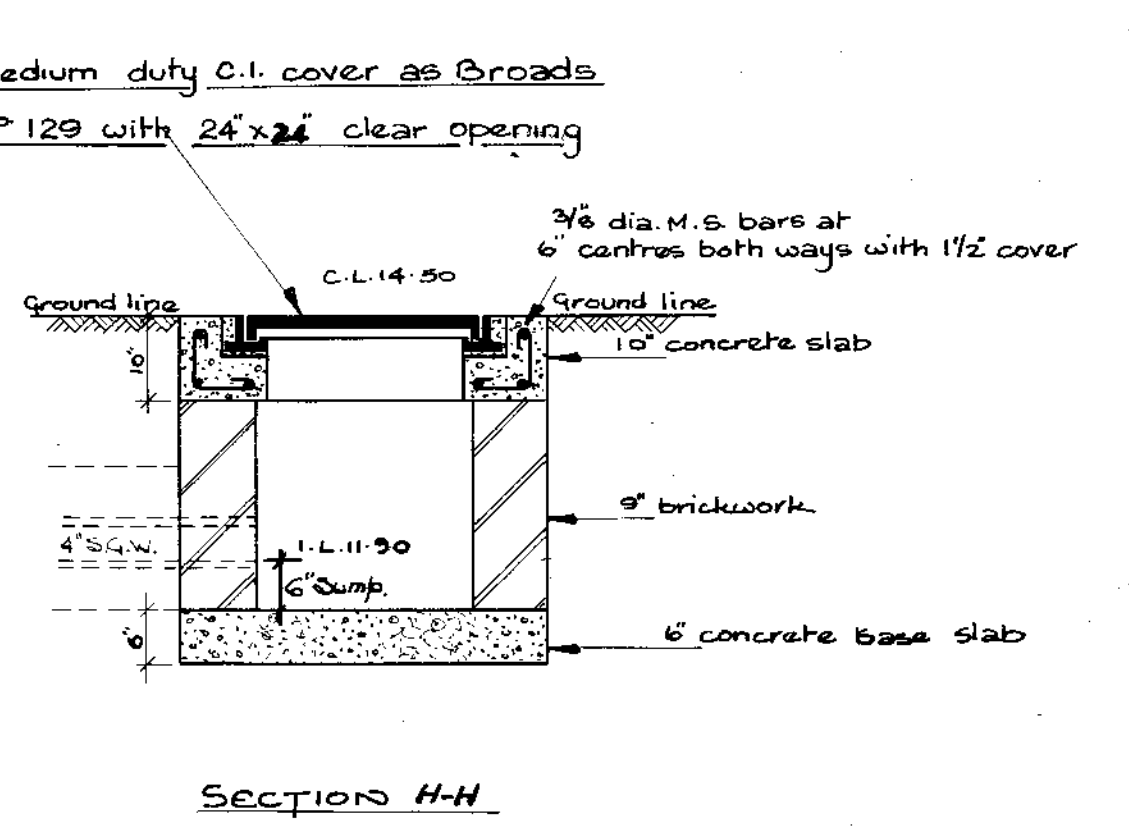
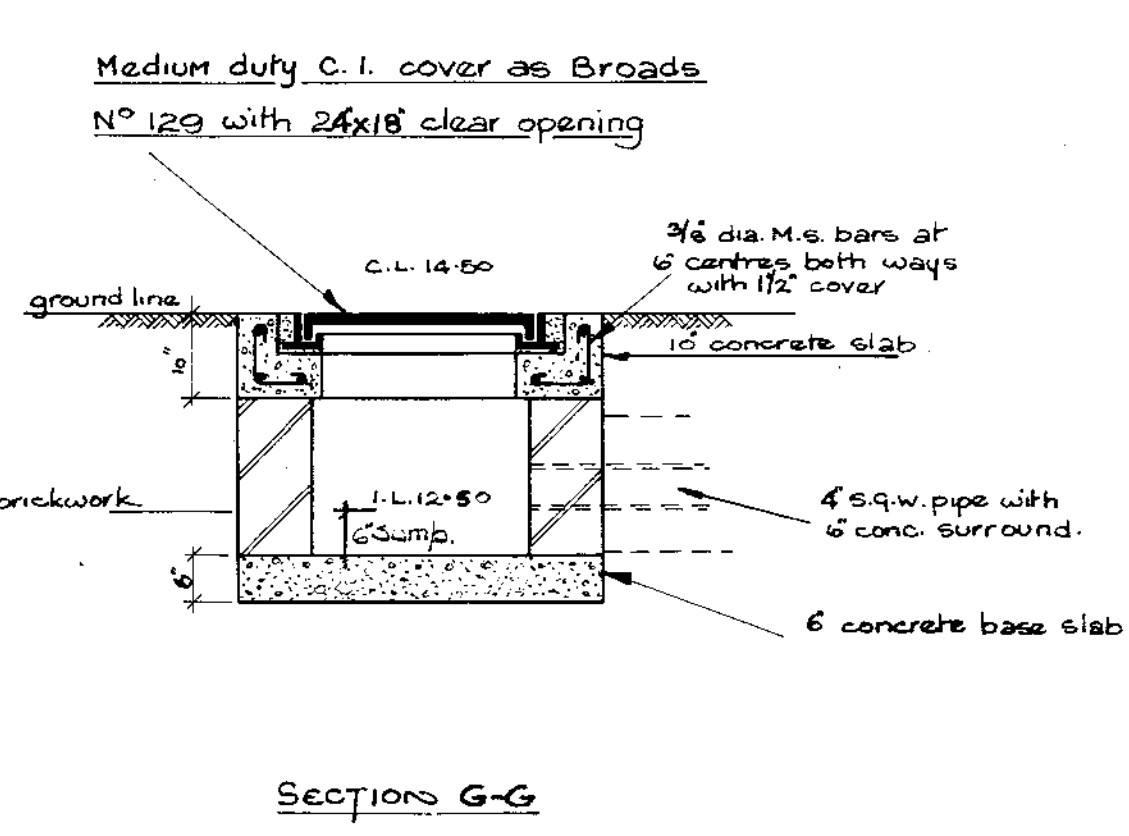
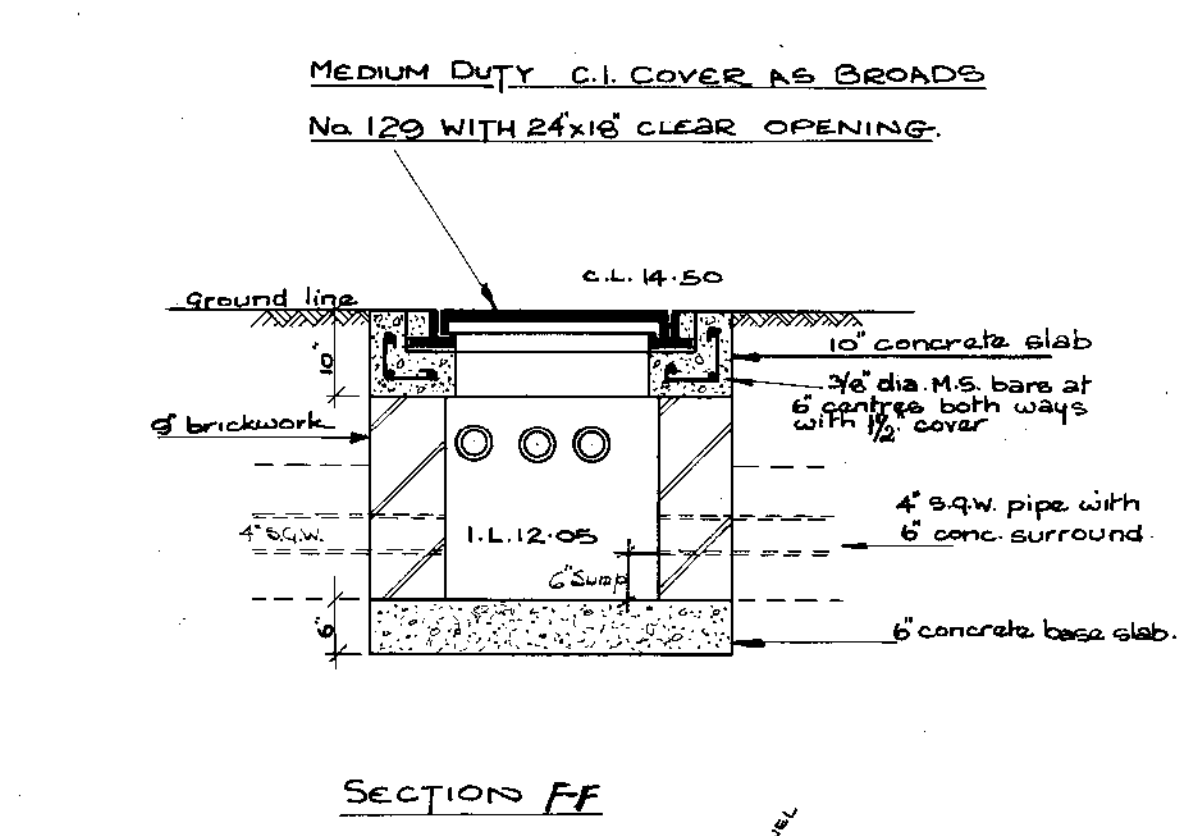
E.D. 1857/4175  
65, WE 367







- Notes:**
- Where existing land drains which are to remain in use are found to coincide with new manhole positions such land drains are to be displaced around the new manholes.
  - All brickwork to be of 2nd quality engineering bricks in English bond in 1:3 cement/sand mortar.
  - All concrete to be 1:2:4 (S.V.) mix unless noted.
  - Concrete bedding to be 1:4:8 (L.N.) mix.
  - All drains to be encased in concrete 1:2 1/4:b (2.N.) mix 6" thick.
  - Cover to all reinforcement to be 1 1/2" minimum.
  - All manholes to be watertight on completion.
  - Manhole cover frames to be bedded on and flushed up with 1:2 cement/sand mortar.
  - Two manhole keys to be supplied with each type of cover.
  - Excavations for manhole construction to be backfilled with weak mix concrete 1:4:8 (L.N.).
  - Reinforcement to comply with B.S. 1221 & B.S. 785.
  - Step irons to comply with B.S. 1247.
  - Brickwork to manhole walls shall be 13/16" 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 8'-0" from cover level and 13/16" thick below 8'-0".
  - For details of reinforcement in reducing slab see dra. N° EC/187/5.
  - Sulphate Resisting Cement to be used for all concrete.



BENDING SCHEDULE						
LOCATION	MARK	DIA.	No. Total	LENGTH	BENDING	REMARKS
M.H. 8	a1	3/8"	4	2'-0"	7/8"	
M.H. 9	b1	3/8"	8	1'-9"	7/8"	
	s1	3/8"	9	4'-3"	STRAIGHT	
	s2	3/8"	10	5'-3"	"	
	s3	3/8"	12	2'-6"	"	
M.H. 11	b1	3/8"	16	1'-9"	AS ABOVE	
M.H. 16	a1	3/8"	13	3'-6"	STRAIGHT	
	s1	3/8"	2	4'-3"	STRAIGHT	
	s2	3/8"	4	6'-0"	STRAIGHT	
M.H. 7	a1	3/8"	12		AS ABOVE	
	s1	3/8"	7		STRAIGHT	
	s2	3/8"	6		"	
	s3	3/8"	4		"	

26227



BRITISH RAIL  
Diesel Service Station, Immingham.

Manhole Details.  
Manhole Nos. 3, 4, 5, 6, 7, 8, 9, 10, 11, 16, 22.

Drawn: F.D. L.T.S.  
Checked: Date: 4-6-65

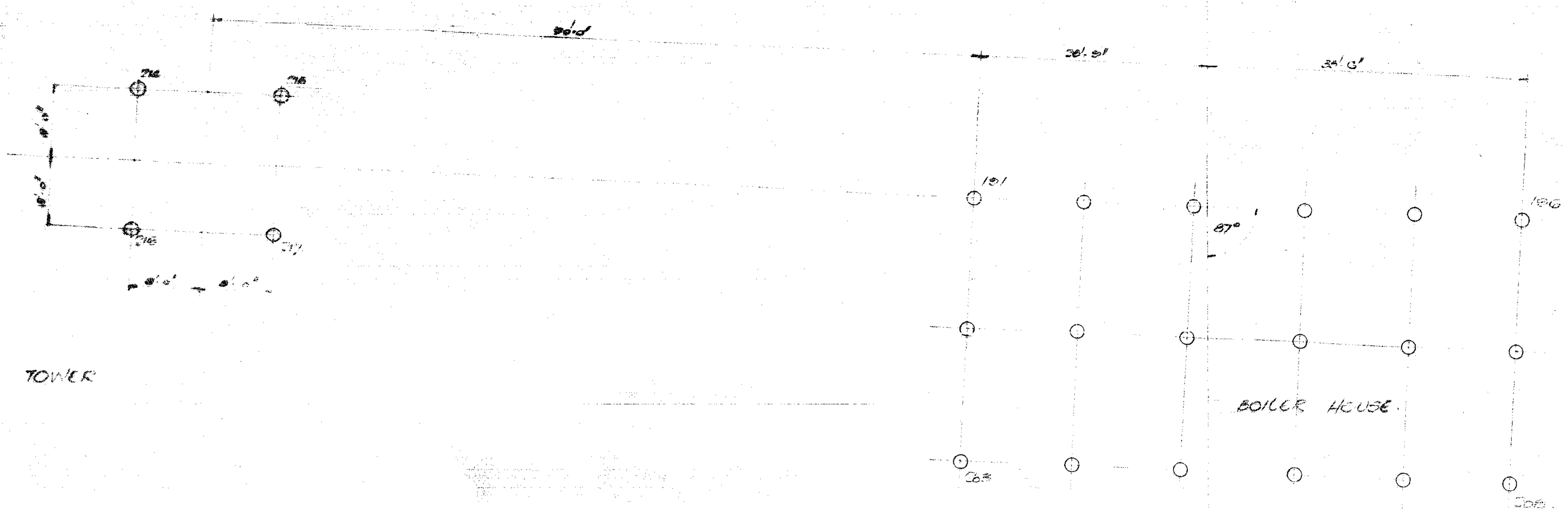
Scale: 1/2" = 1'-0"

The Manager, Surveyors Dept. Geo. Nimpay & Co. Hammar Smith Grove London, W.6.

E.D. 1037/6A  
63. W.E. 362

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



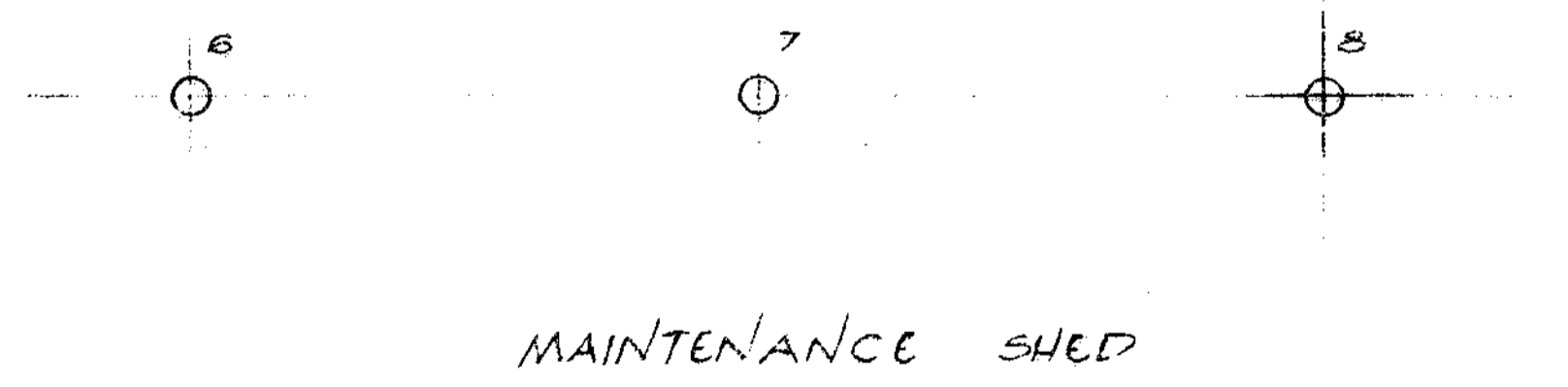


WATER TOWER

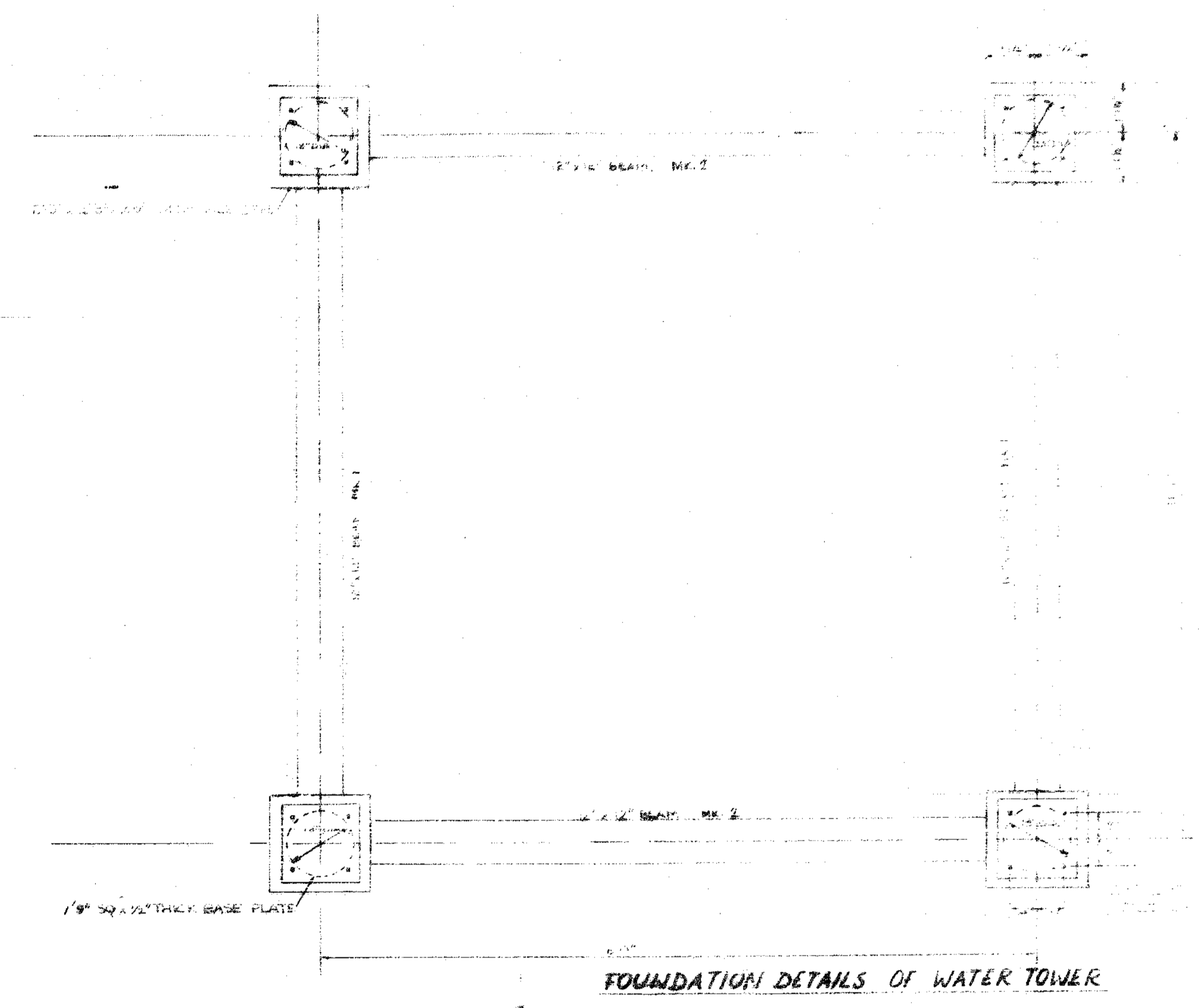
BOILER HOUSE

PILE NO	TOP OF CONCRETE REQUIRED TO	PILES TO BE CROPPED TO
214, 215, 216 & 217	3.35	12.85

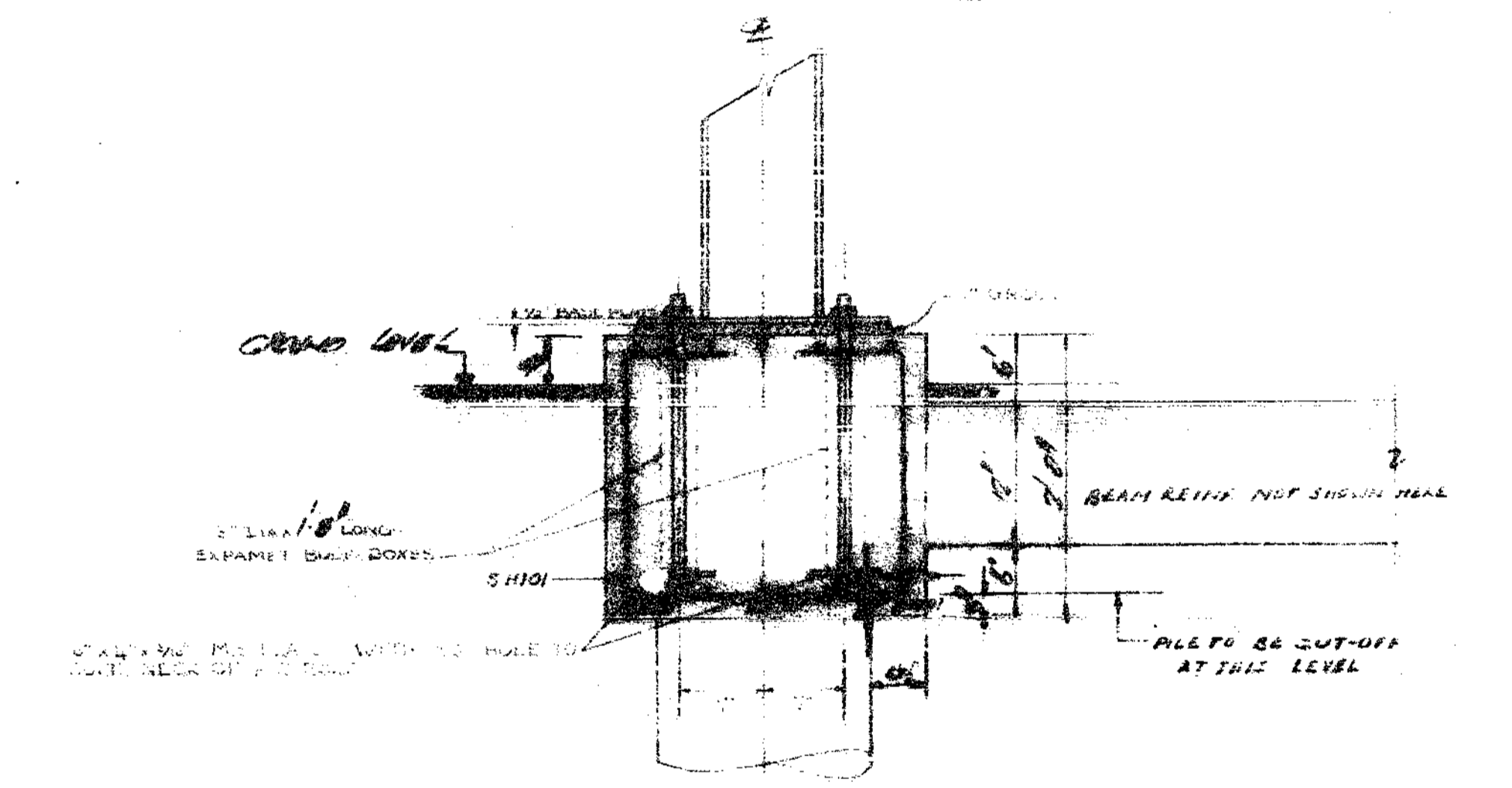
MAXIMUM LOAD ON PILE 60 TONS  
 PILE TO BE 18" DIA. WITH A BASE EXPANDED TO 4'6" IN DIA.



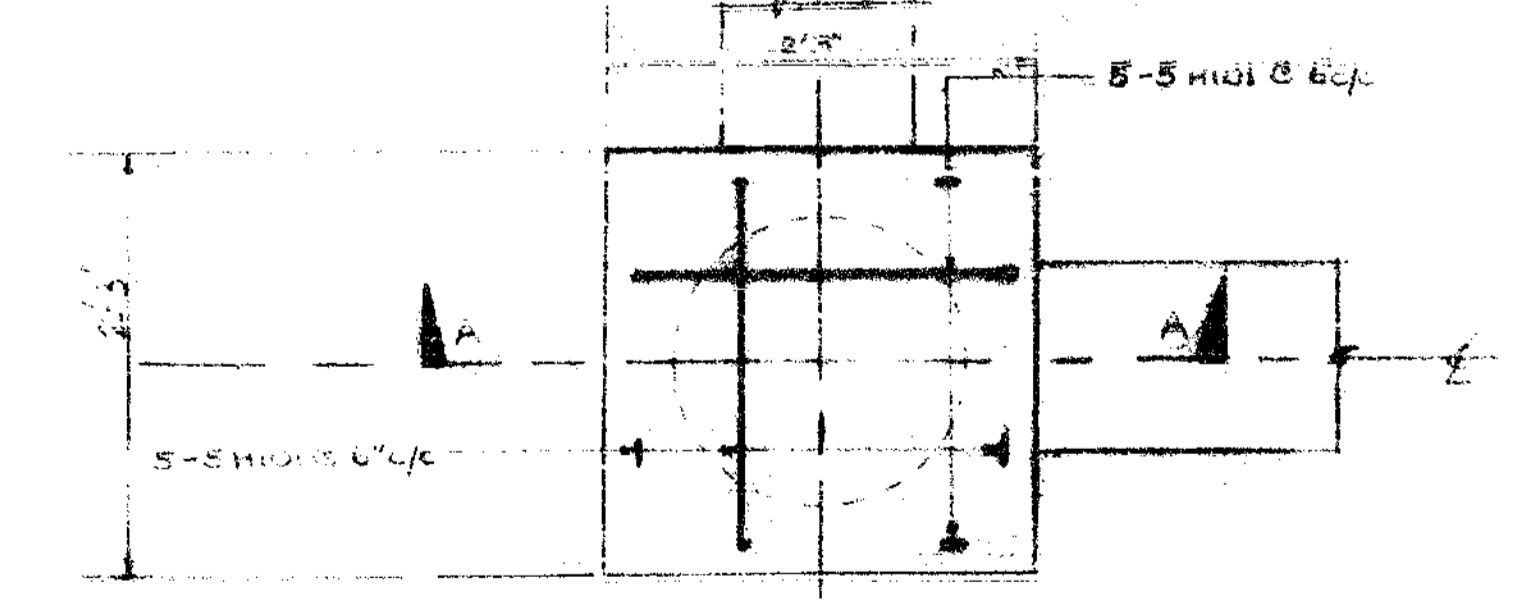
MAINTENANCE SHED



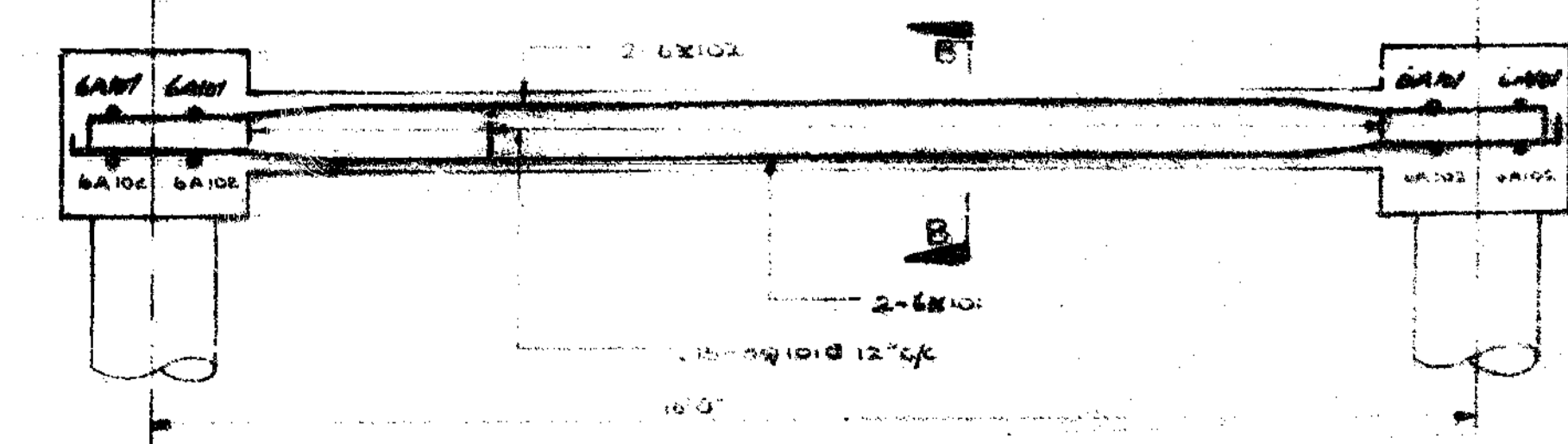
FOUNDATION DETAILS OF WATER TOWER



SECTION A-A



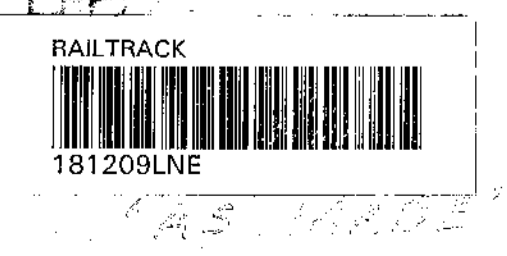
PILE CAP DETAILS



BEAM DETAILS (4\"/>

SECTION B-B

26227



68-W-343

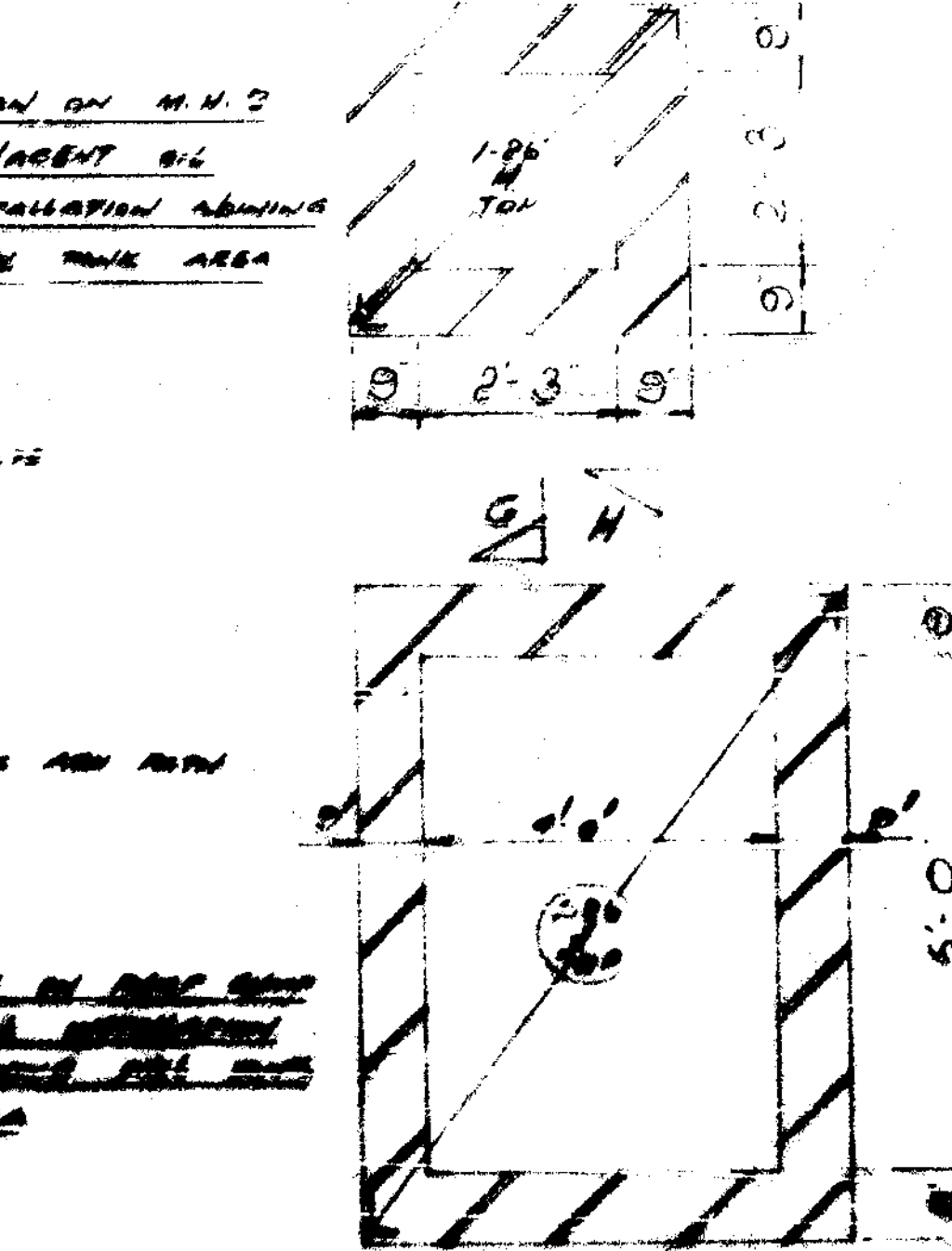
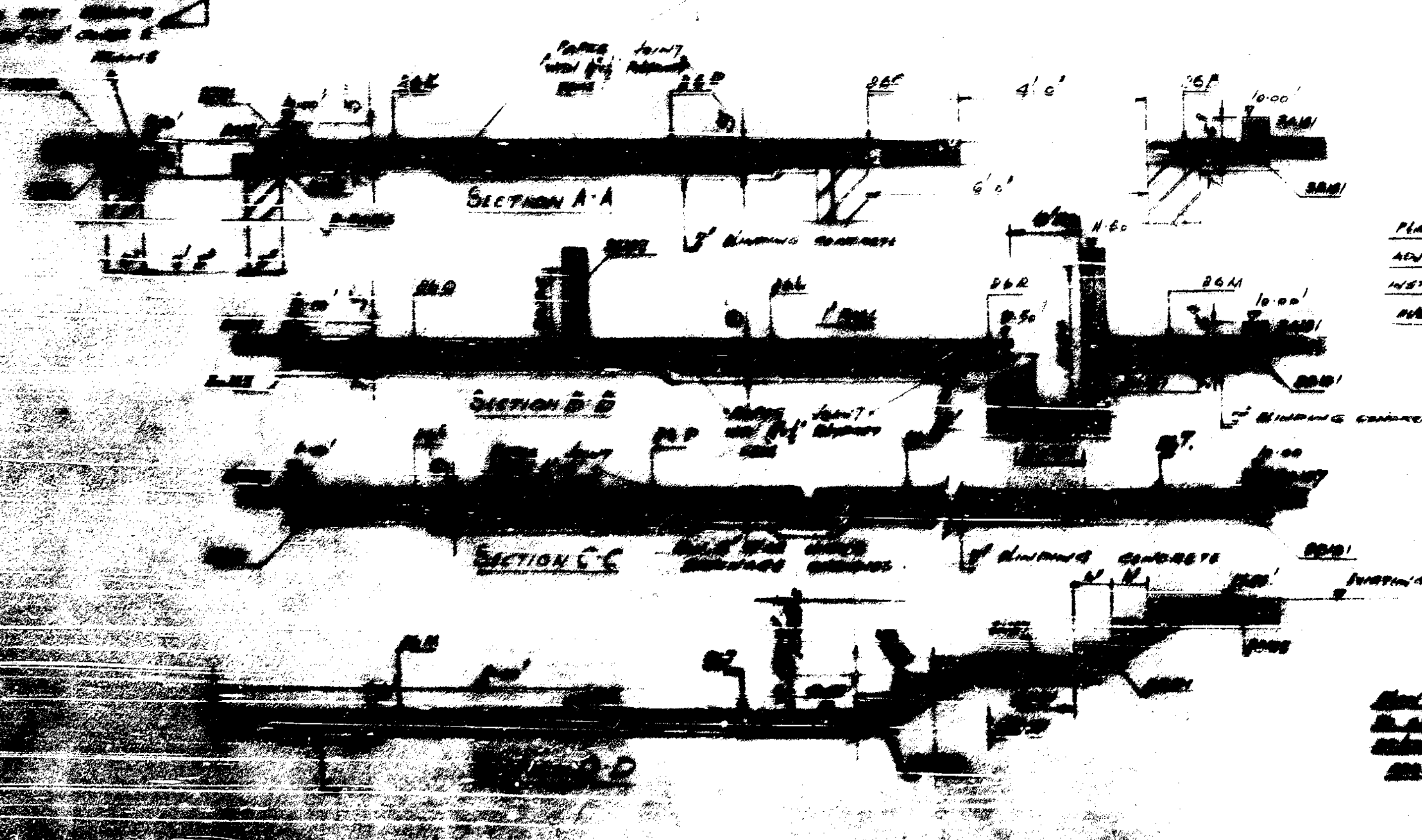
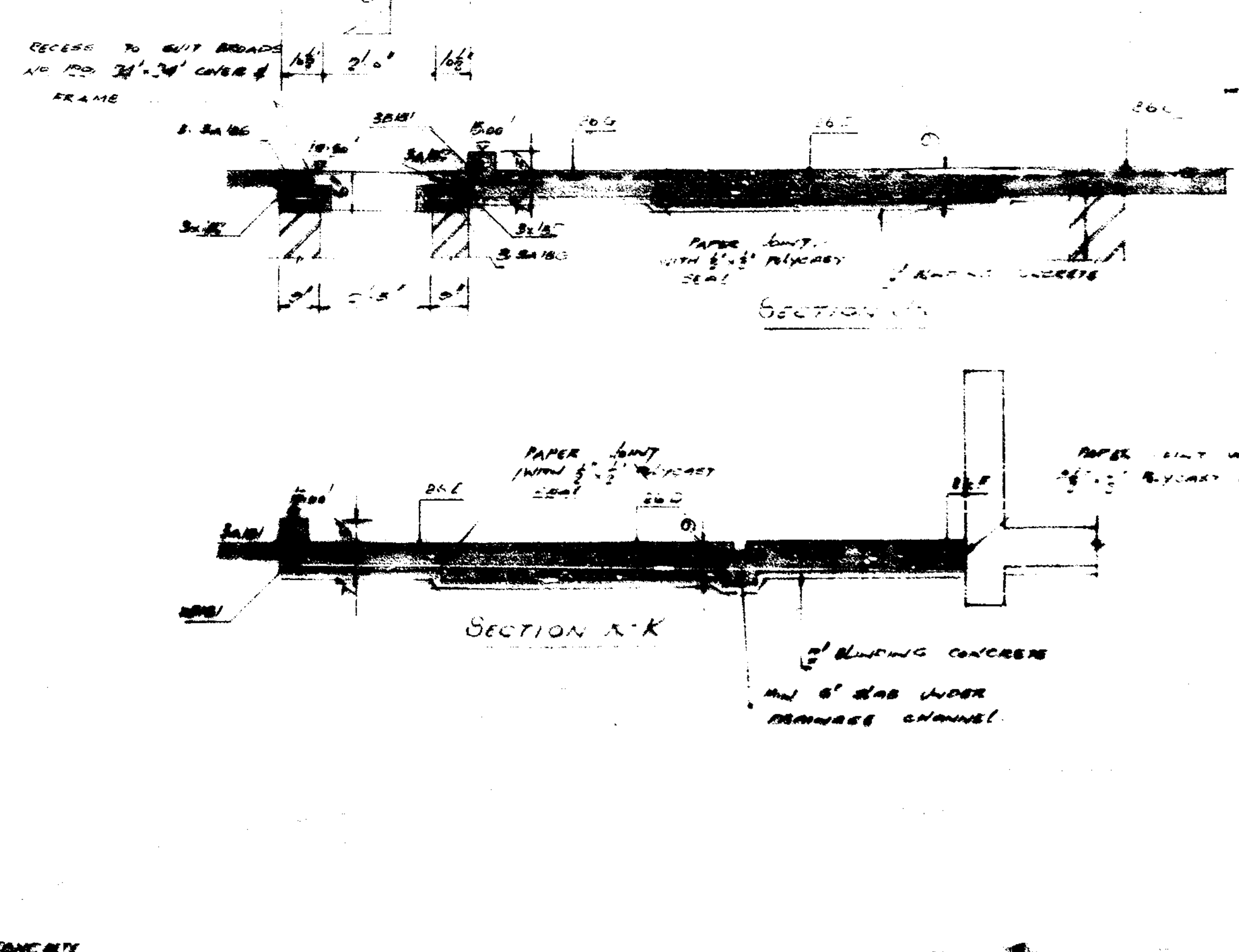
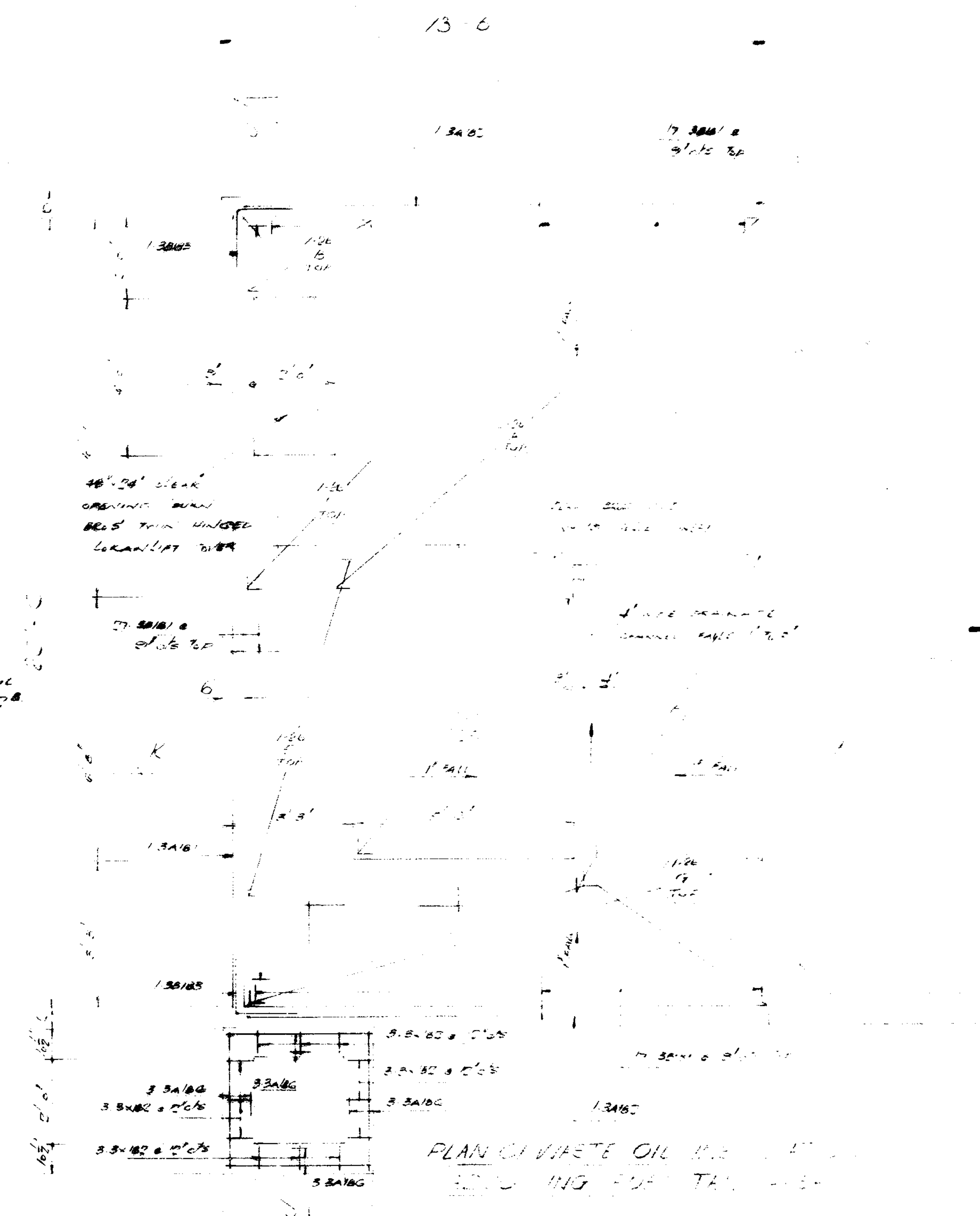
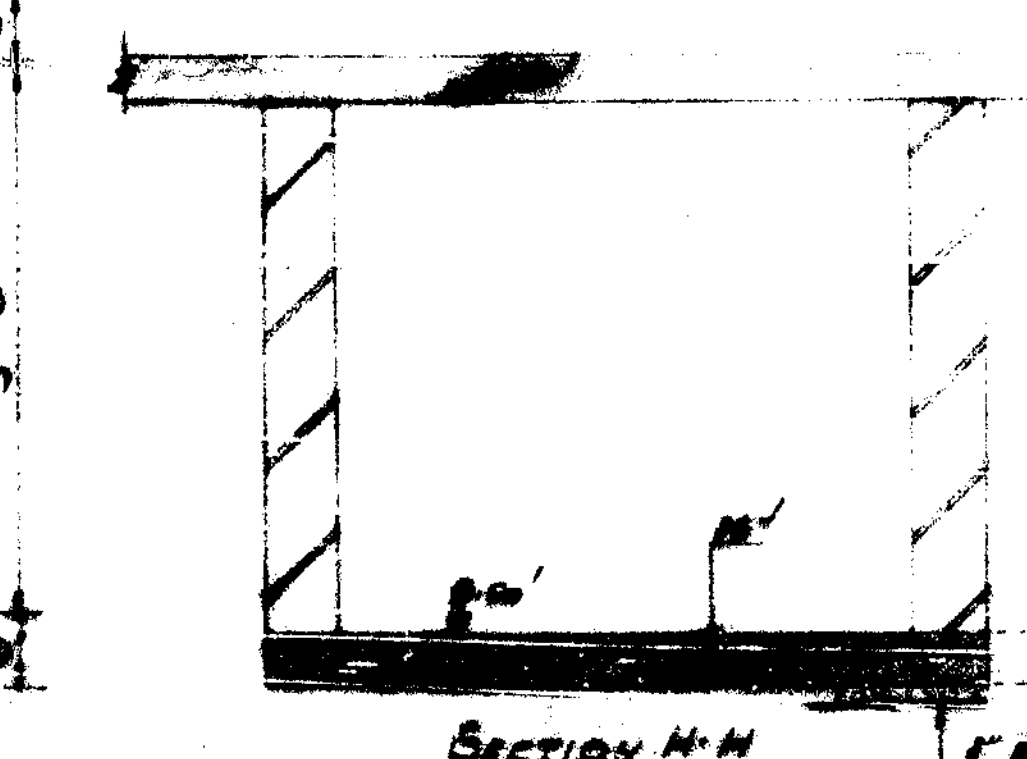
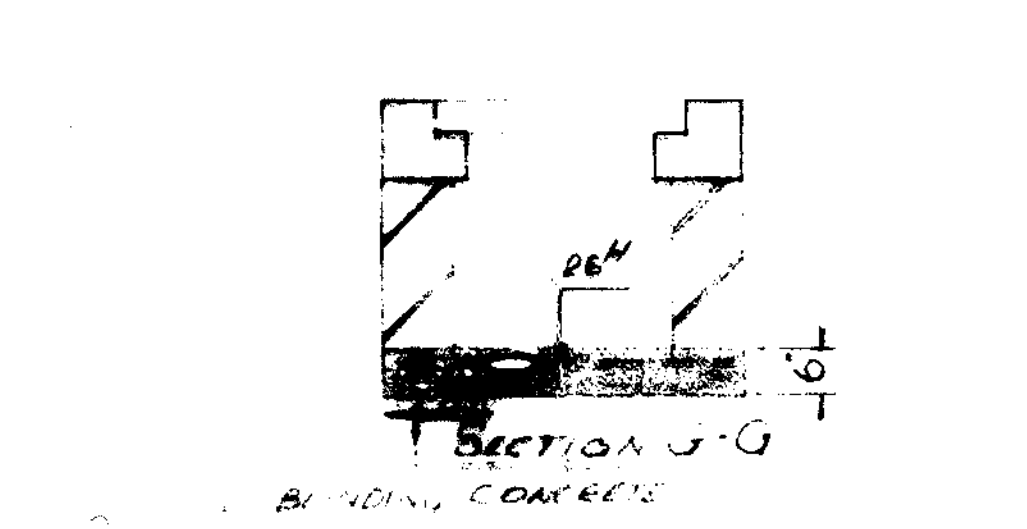
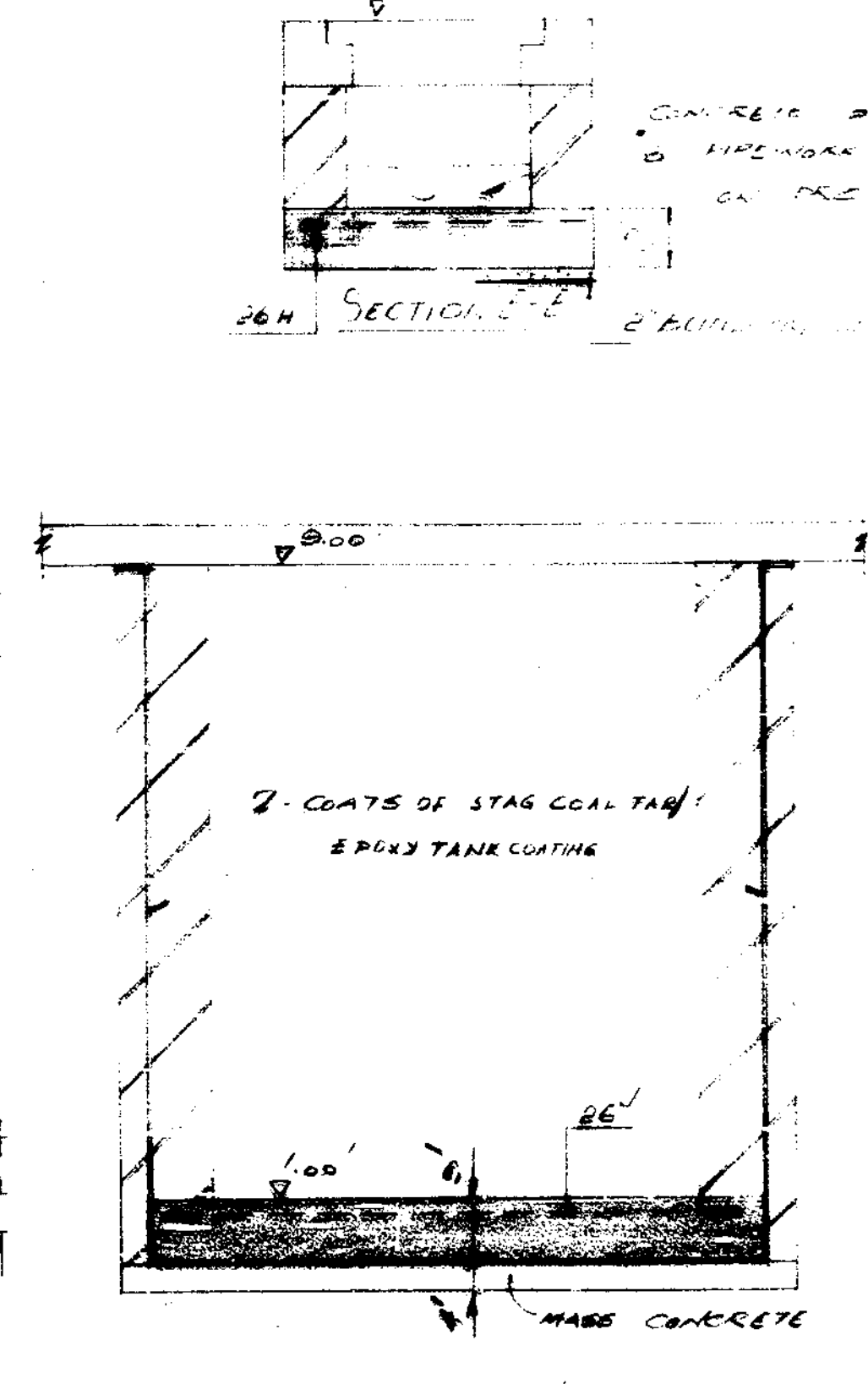
1. SEE ALL OTHER PLS. REVISIONS SEE CHG. P. 10/10/10
2. CONC. MIX. 1:2:4 (10) WITH 4% ASPHALT. 1\"/>

616/105

NO.	DESCRIPTION	DATE
1	BY: B. R. MAINTENANCE	
2	CYSEL MAINTENANCE	
3	DEPT.	
4	WATER TOWER	
5	FOUNDATION DETAILS	

GEORGE WIPPEY & Co. Ld.  
 ENGINEERS & ARCHT.  
 181, 200, LINE



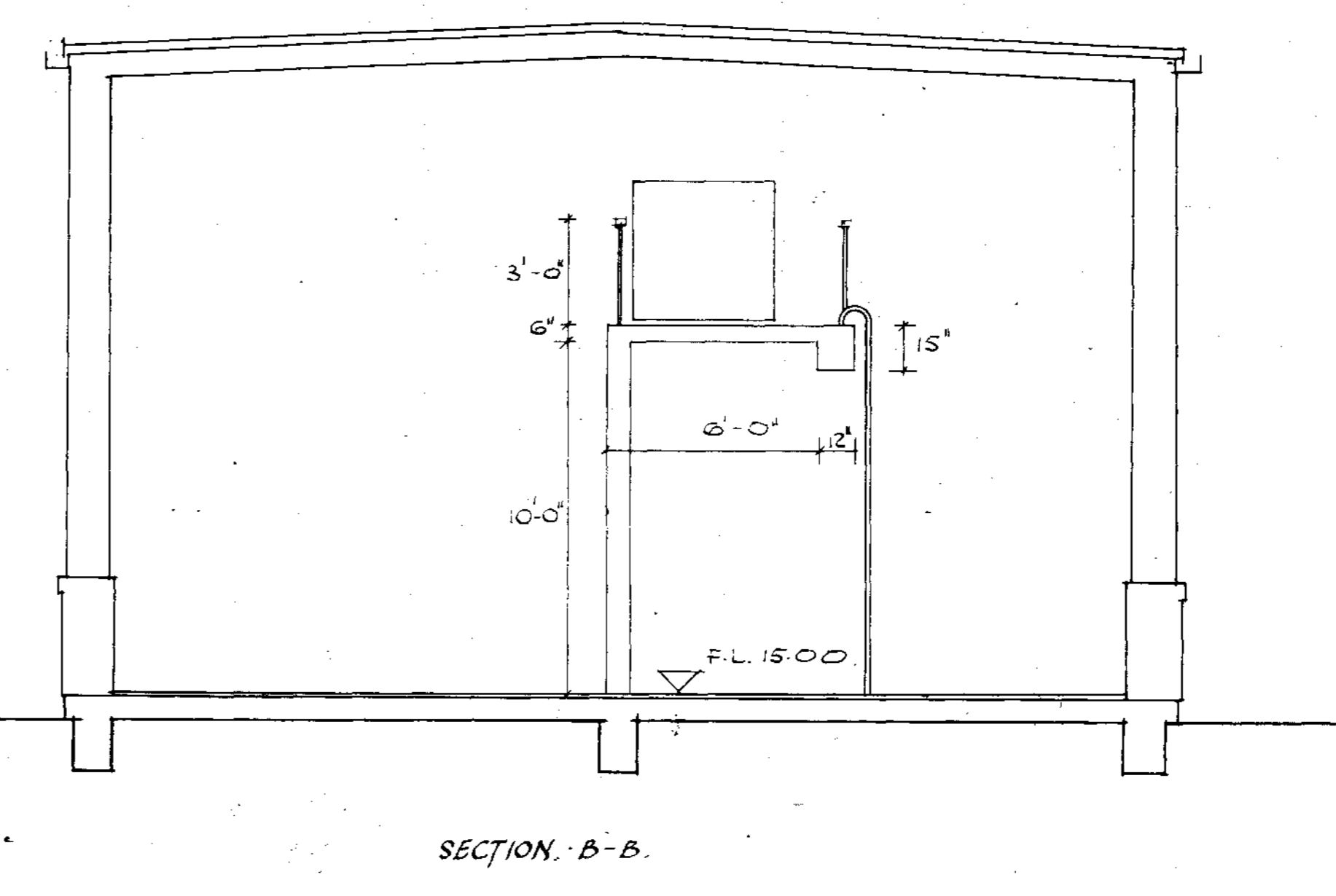
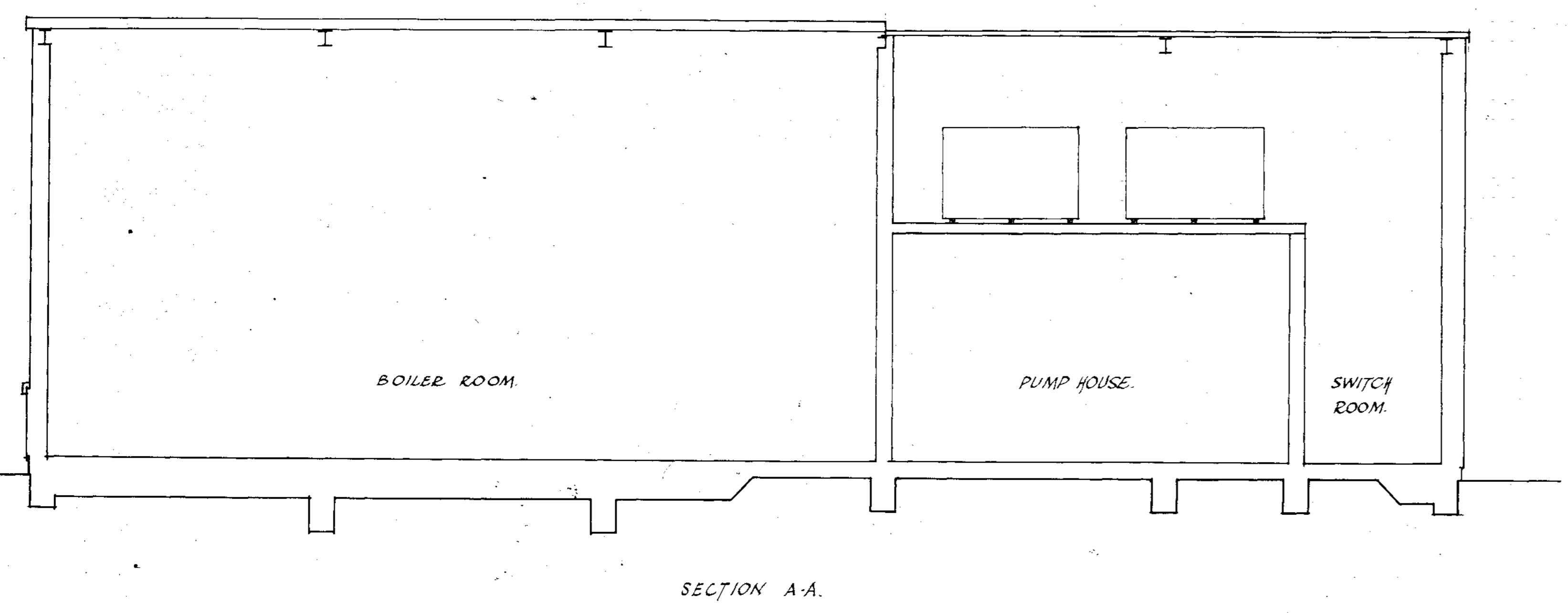
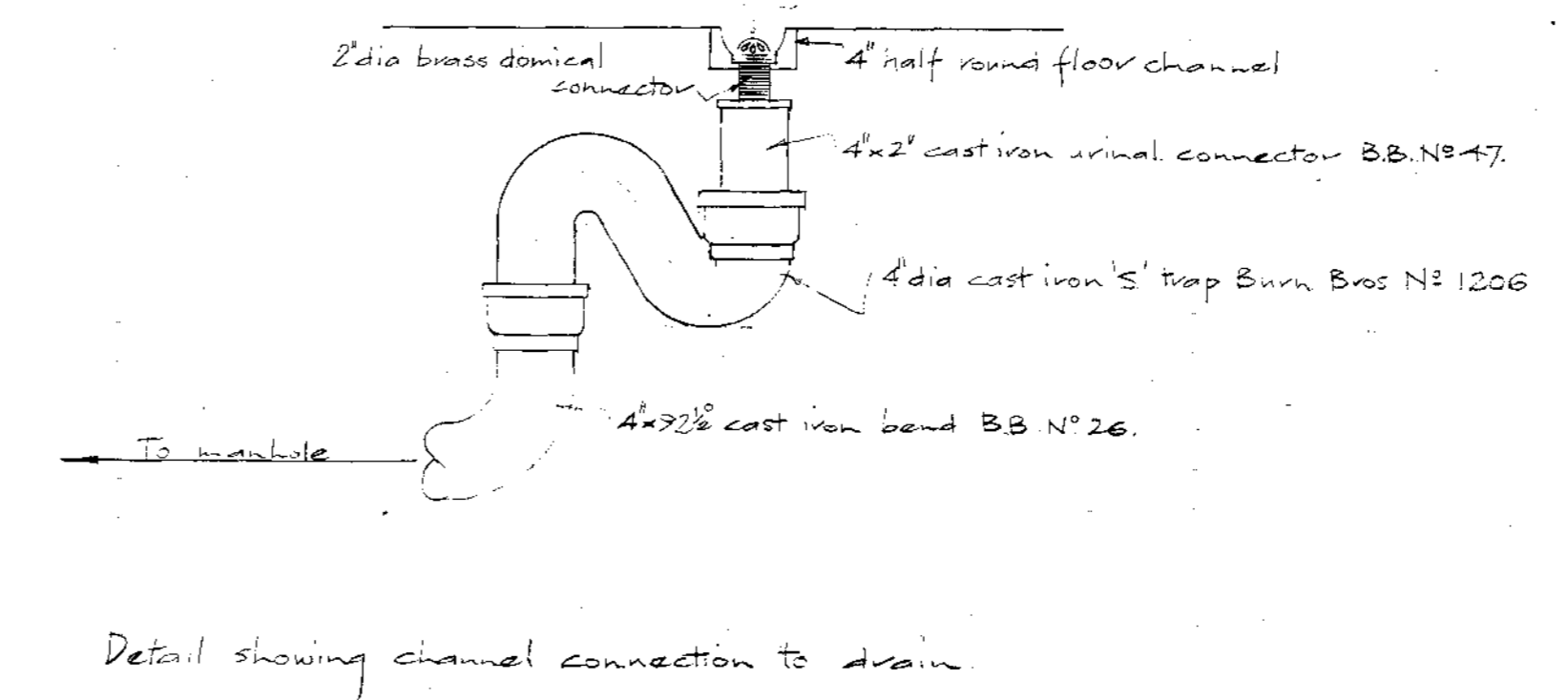
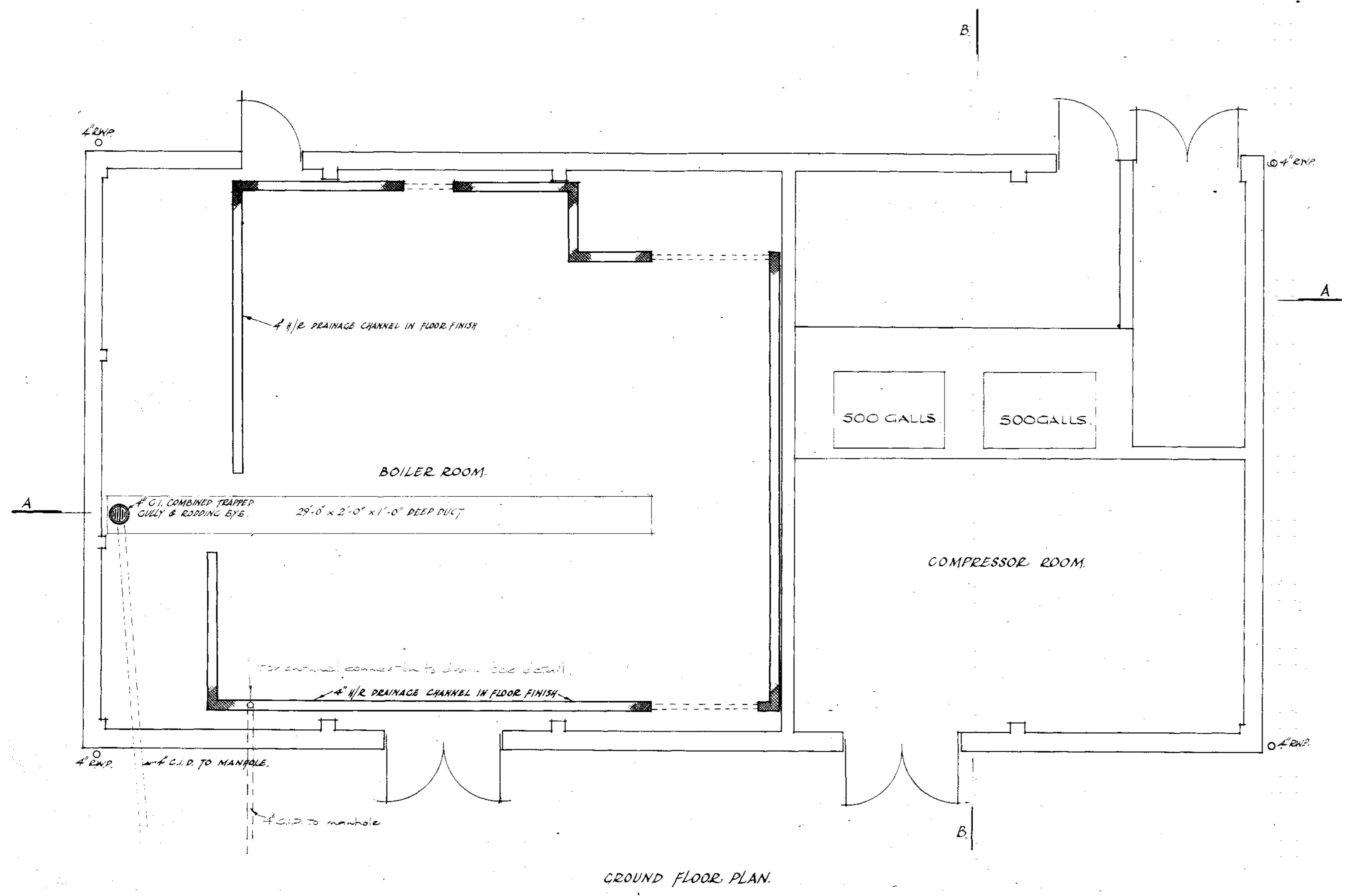


6161910

RR INMINGHAM  
DIESEL MAINTENANCE  
DEPOT  
WASTE OIL INSTALLATION  
R.C. DETAILS

RAILTRACK  
181210106



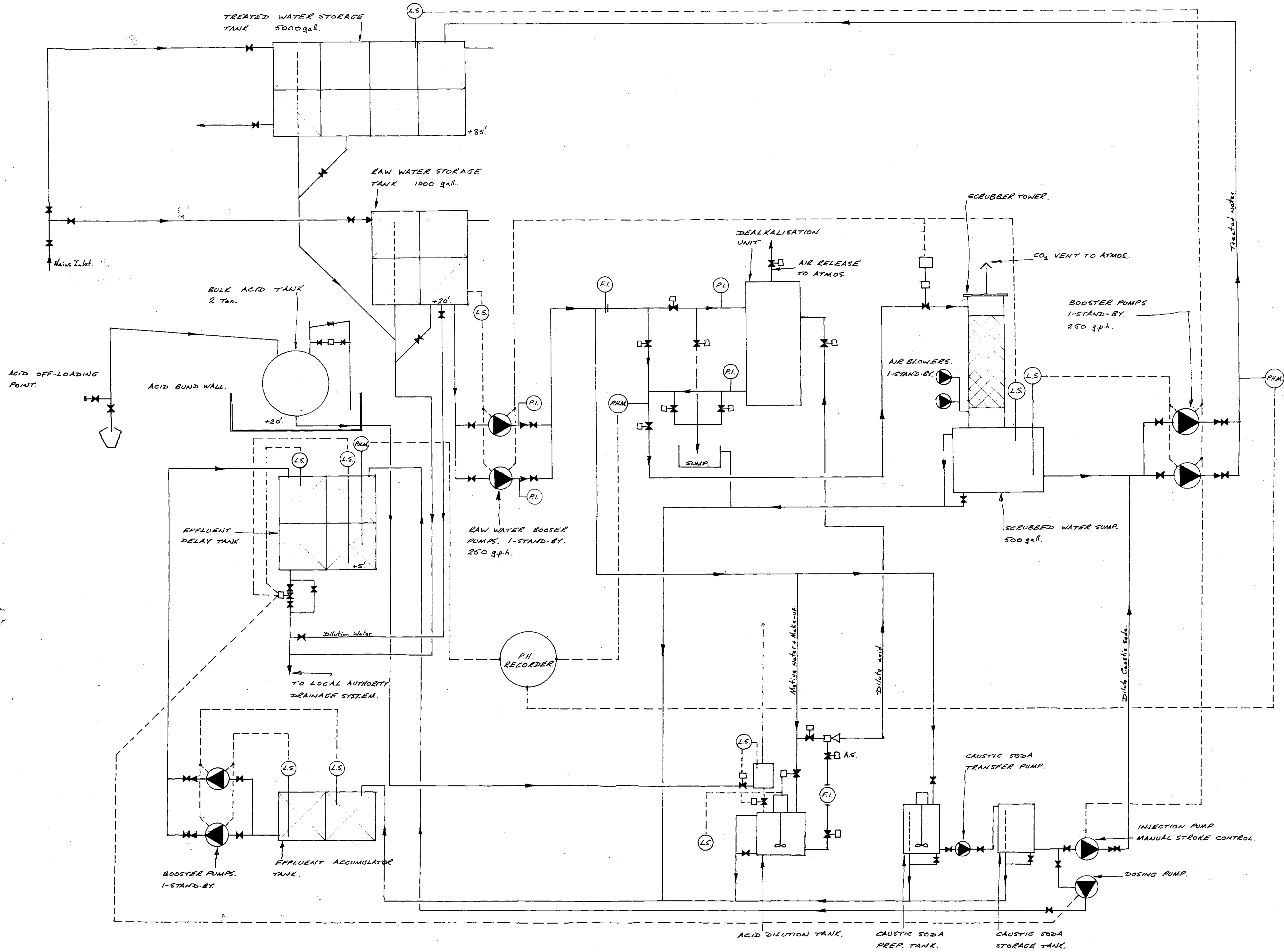


THIS DRAWING TO BE READ IN CONJUNCTION WITH DRWG N° 2229/14/18.

26227  
AS MADE

Revisions	
Date	Boilerhouse drainage amended
17/2/65	channel outlet added.
RAILTRACK 151211 LINE	
Job BRITISH RAILWAYS DIESEL MAINTENANCE DEPOT, IMMINGHAM.	
Title	
BOILER HOUSE: SHOWING DRAINAGE SERVICES.	
DRG. NO. 2229/17	REV. A
63 WE. 3 32	Drawn by I.D.B.
Scale 4 feet to 1 inch	Date 17/2/65
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.	Checked Date





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

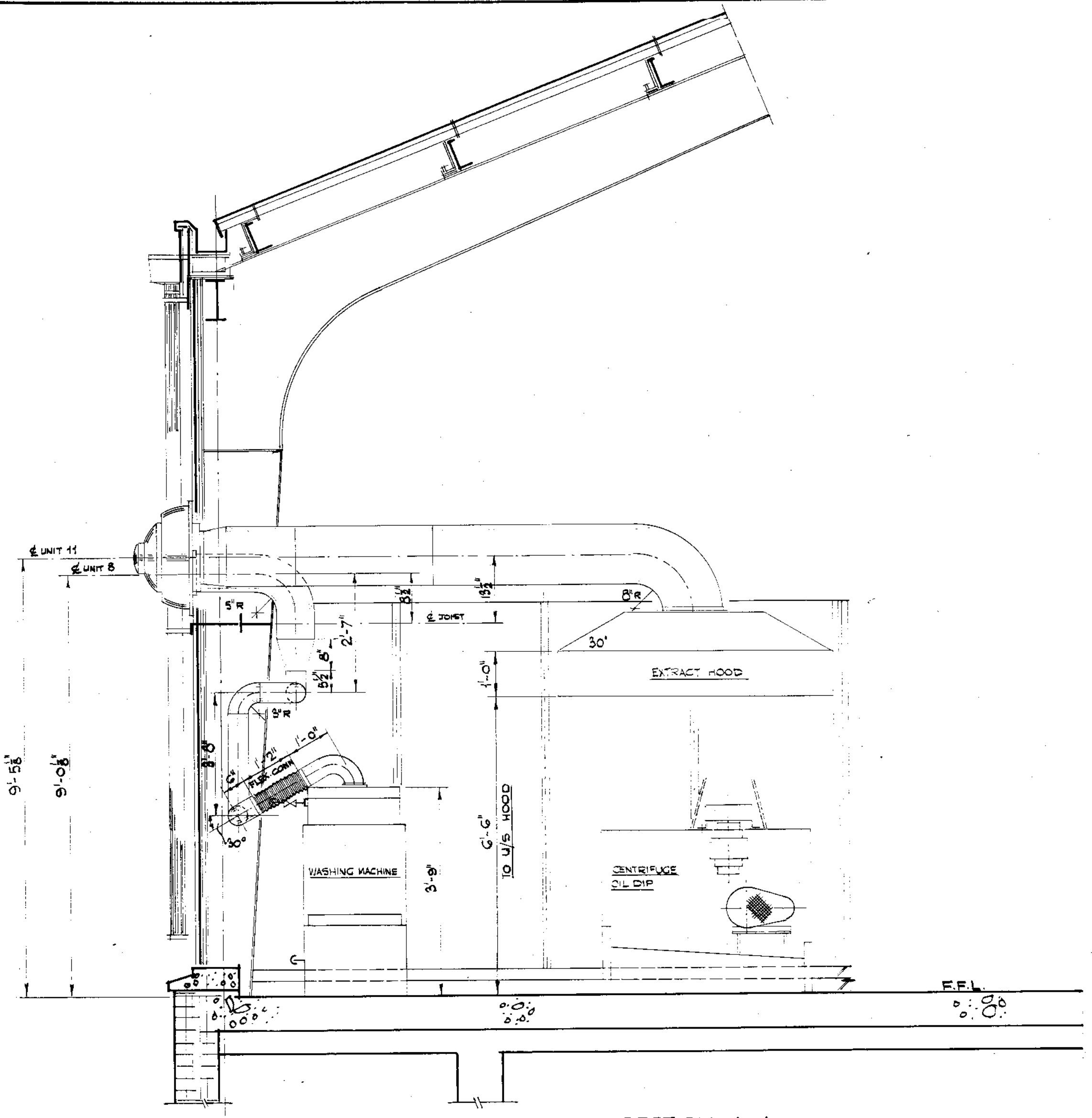
BASED ON B.R. DWG. 6/817-14.

Revisions	
Date	
Job BRITISH RAIL. IMMINGHAM.	
Title DIAGRAMATIC ARRANGEMENT OF WATER TREATMENT PLANT.	
DRG. NO. 2720/19 63.WE.334.	REV.
Scale N.T.S.	Drawn by P.M.
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.	Date March 2, 1963 Checked Date March 2

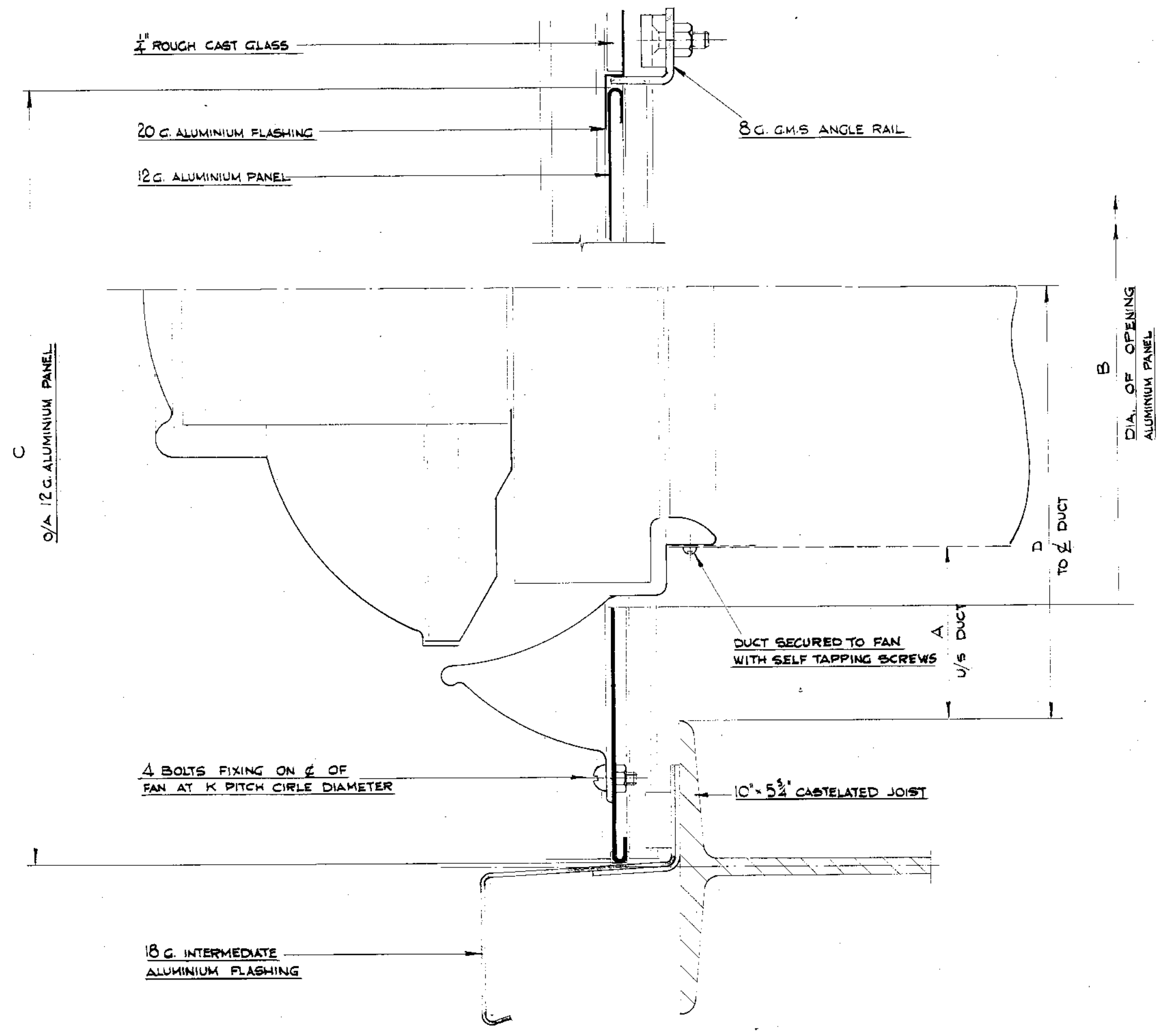
26227

AS MADE





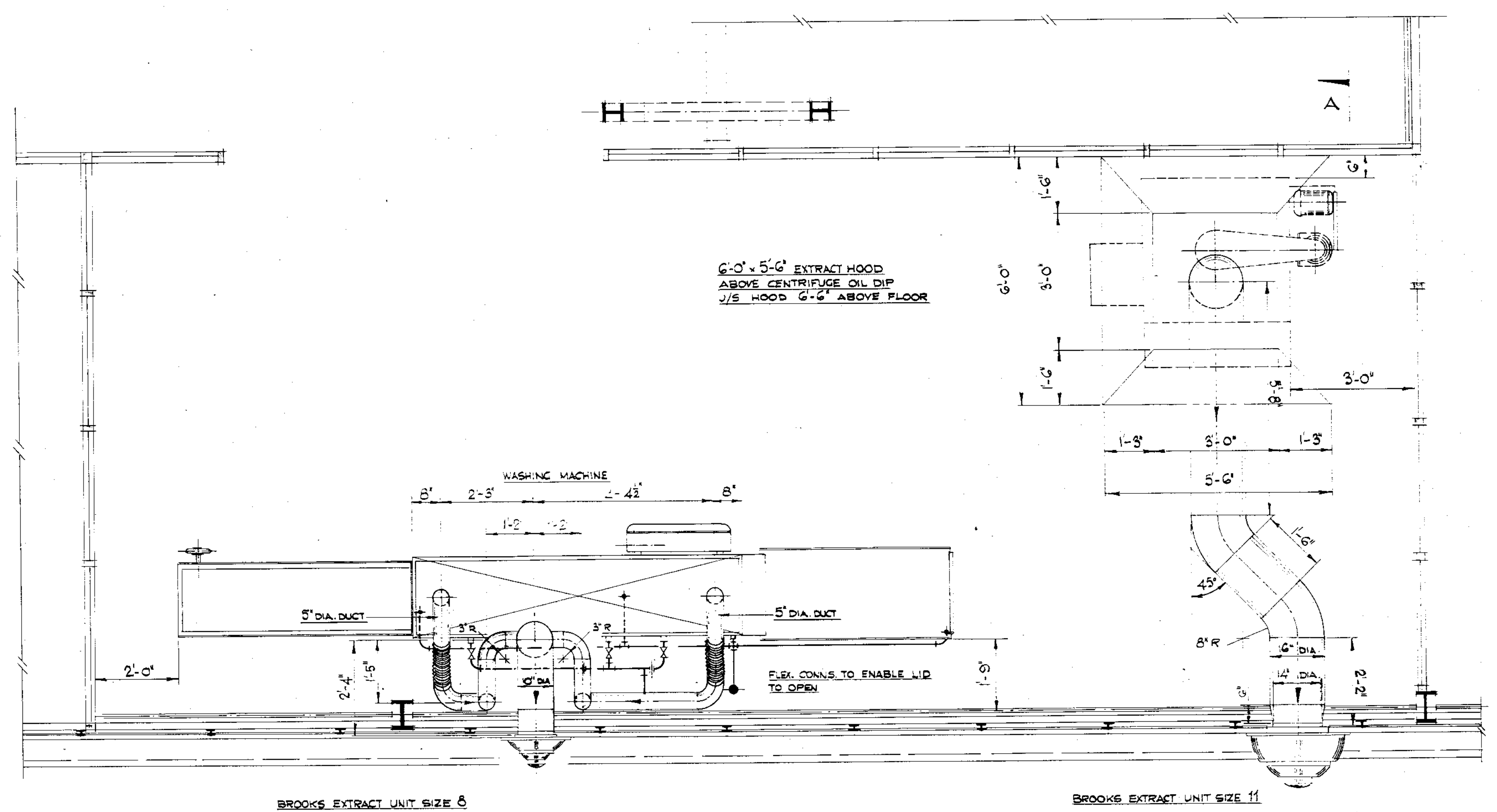
SECTION A-A



SECTION ON C FANS SHOWING OPENING AND FIXING

1/2 FULL SIZE

UNIT SIZE	A	B	D	D	K
8	3 1/2"	12" DIA.	23"	8 1/2"	19"
11	6 1/2"	17 DIA.	35	13 1/2"	29"



PLAN

Revisions

Date	Revisions

RAILTRACK  
181213LINE

Job BRITISH RAILWAYS BOARD  
EASTERN REGION

Title  
IMMINGHAM - FUME EXTRACT IN  
FILTER WASHING AREA

D.R.G. No. 2229/20  
69 102 33.5

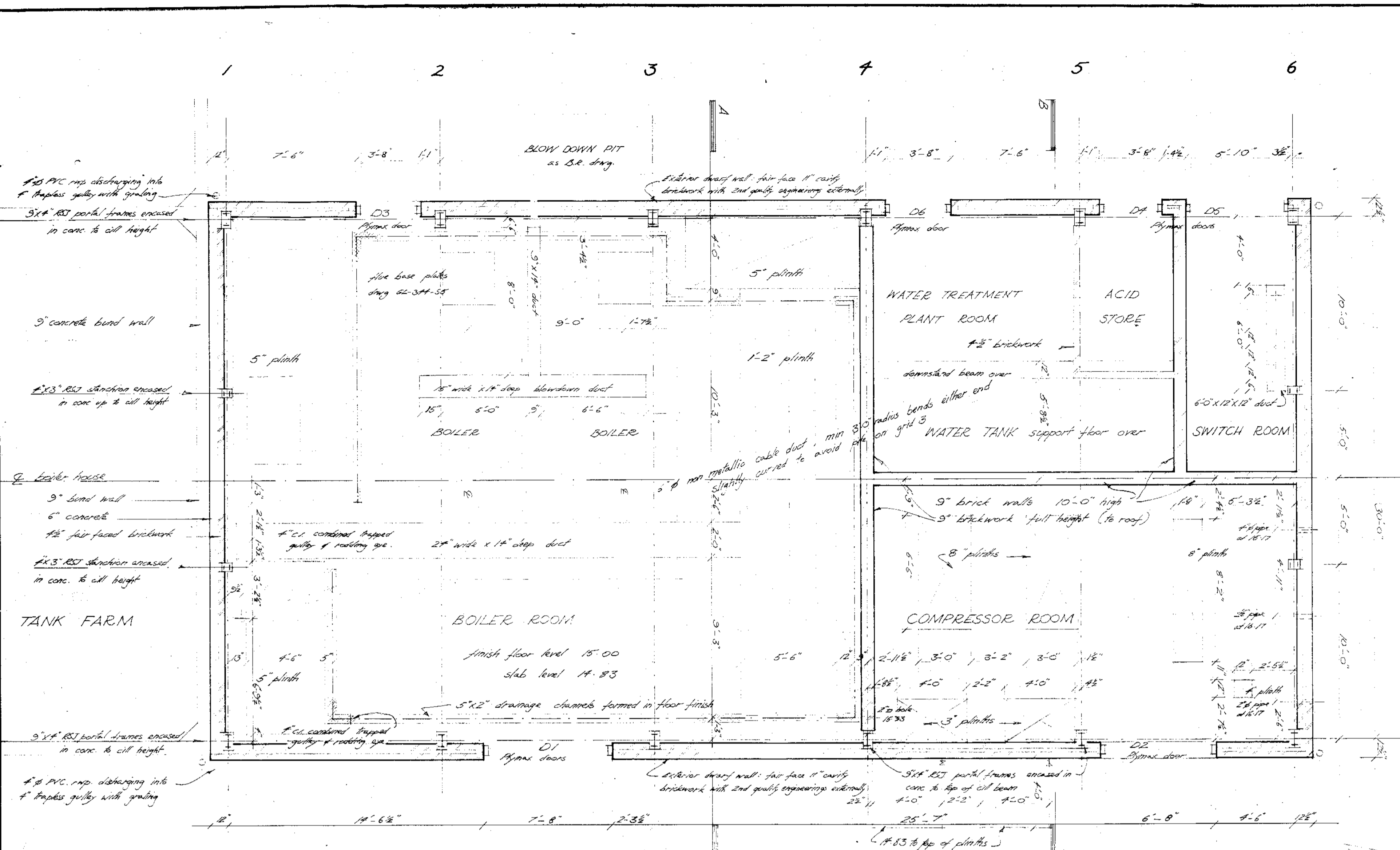
Scale 1/2" = 1'-0"

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

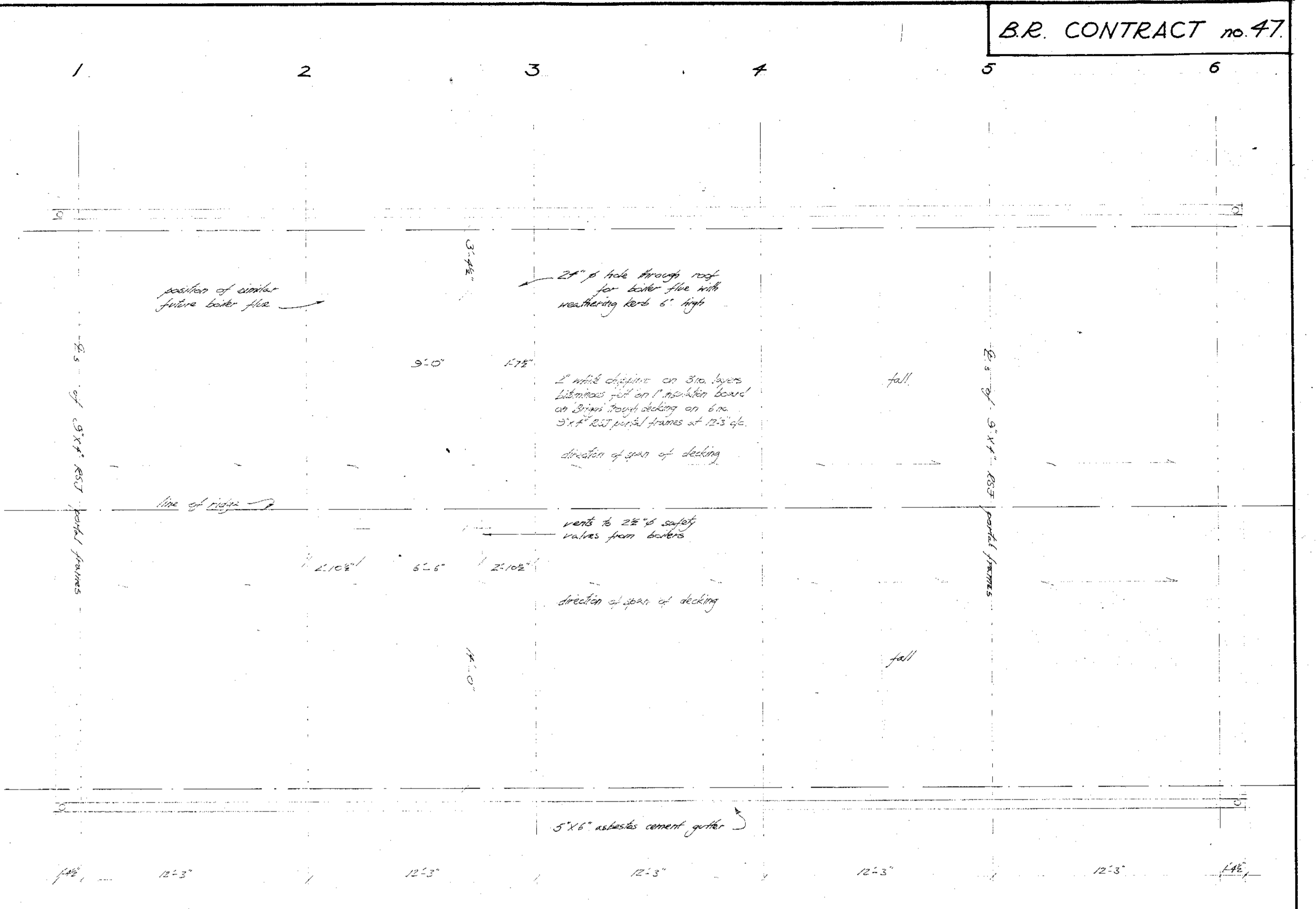
REV.  
Drawn by C.W.T.  
Date 28.8.66  
Checked  
Date 1.12.66

26227  
'AS MADE'

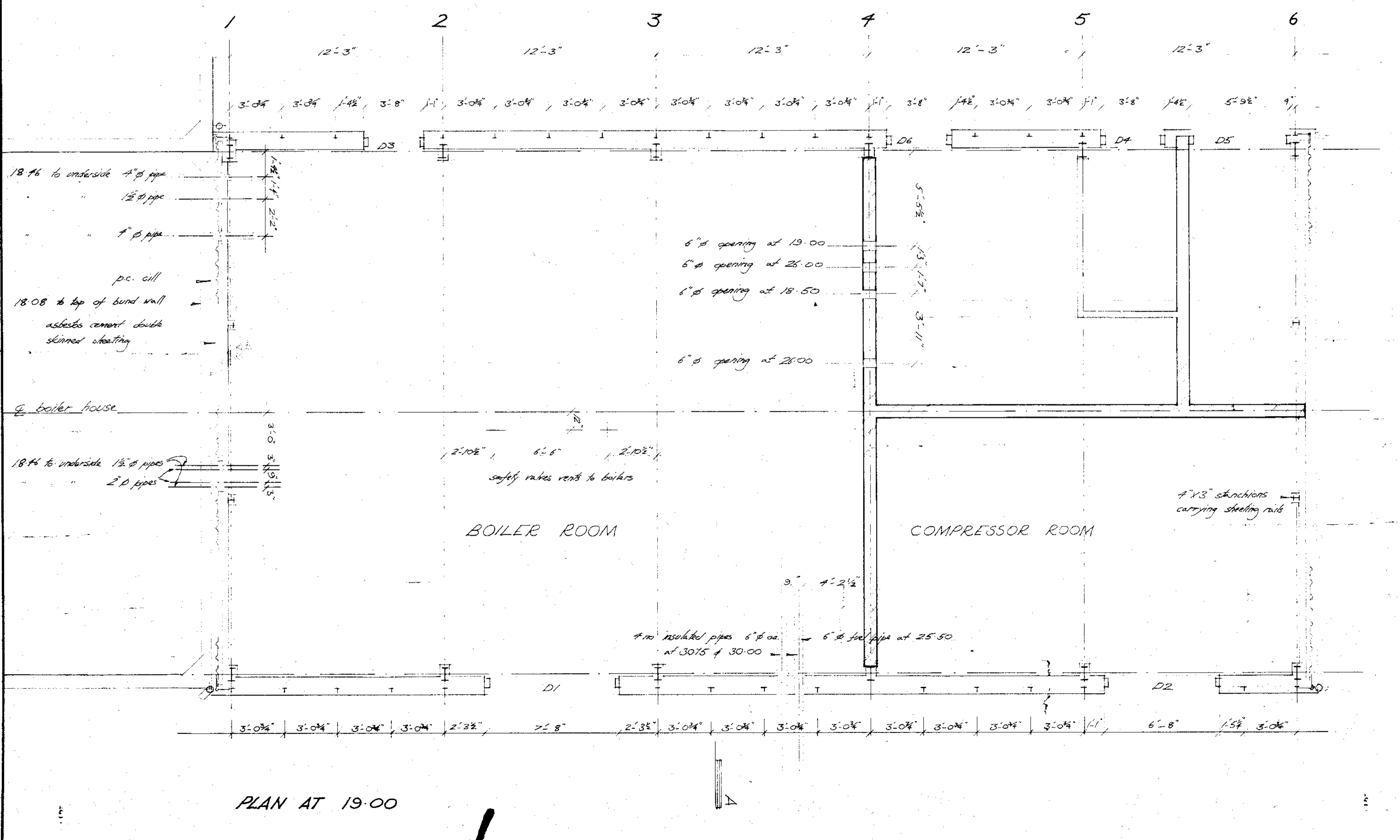




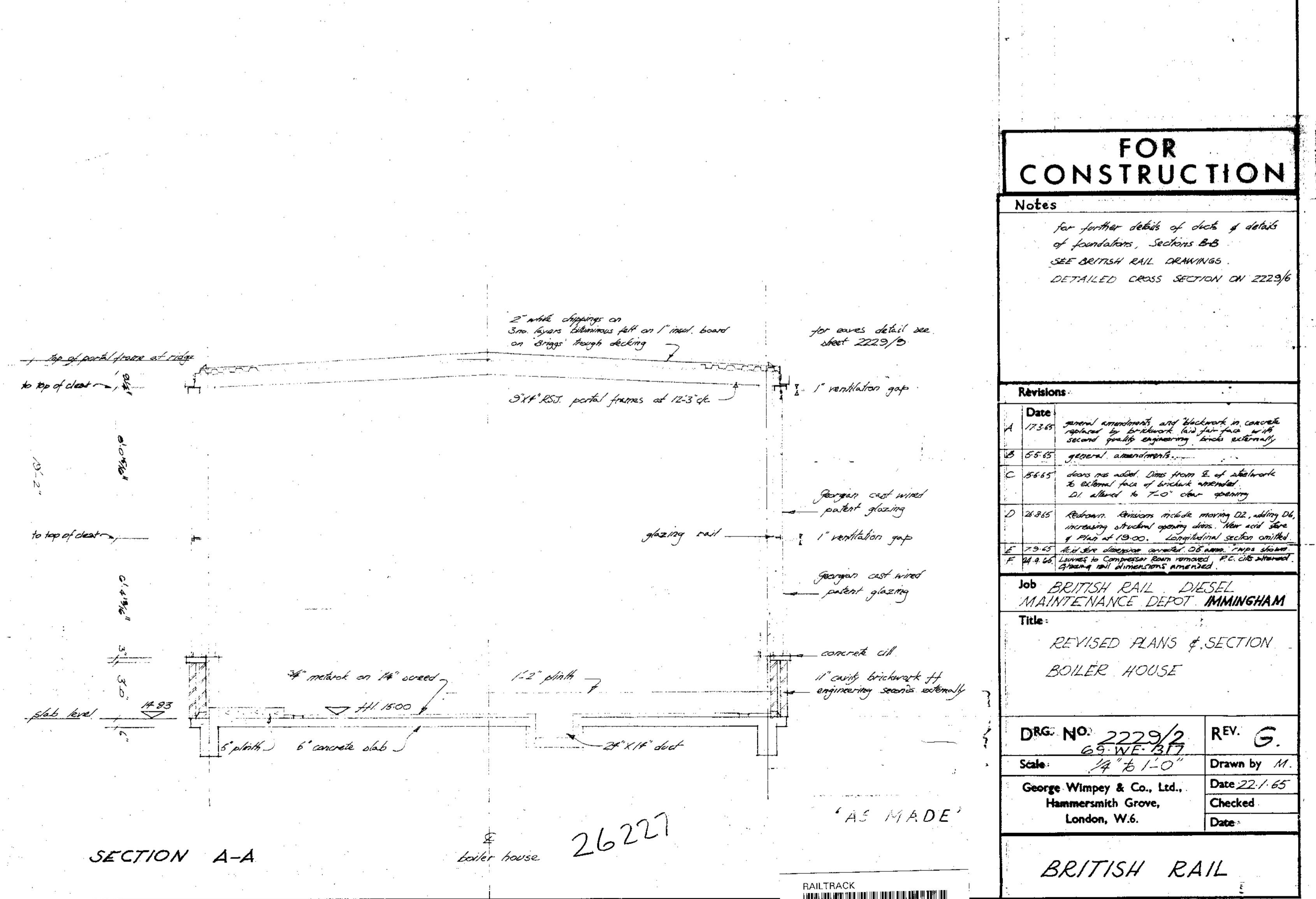
GROUND FLOOR PLAN



ROOF PLAN



PLAN AT 19.00



SECTION A-A

FURTHER REVISIONS  
G 5.10.65 Bond wall amended on 19.57 plus.

### FOR CONSTRUCTION

Notes  
For further details of details of foundations, Sections B-B and C-C see BR 2223/10.  
DETAILED CROSS SECTION ON 2223/10

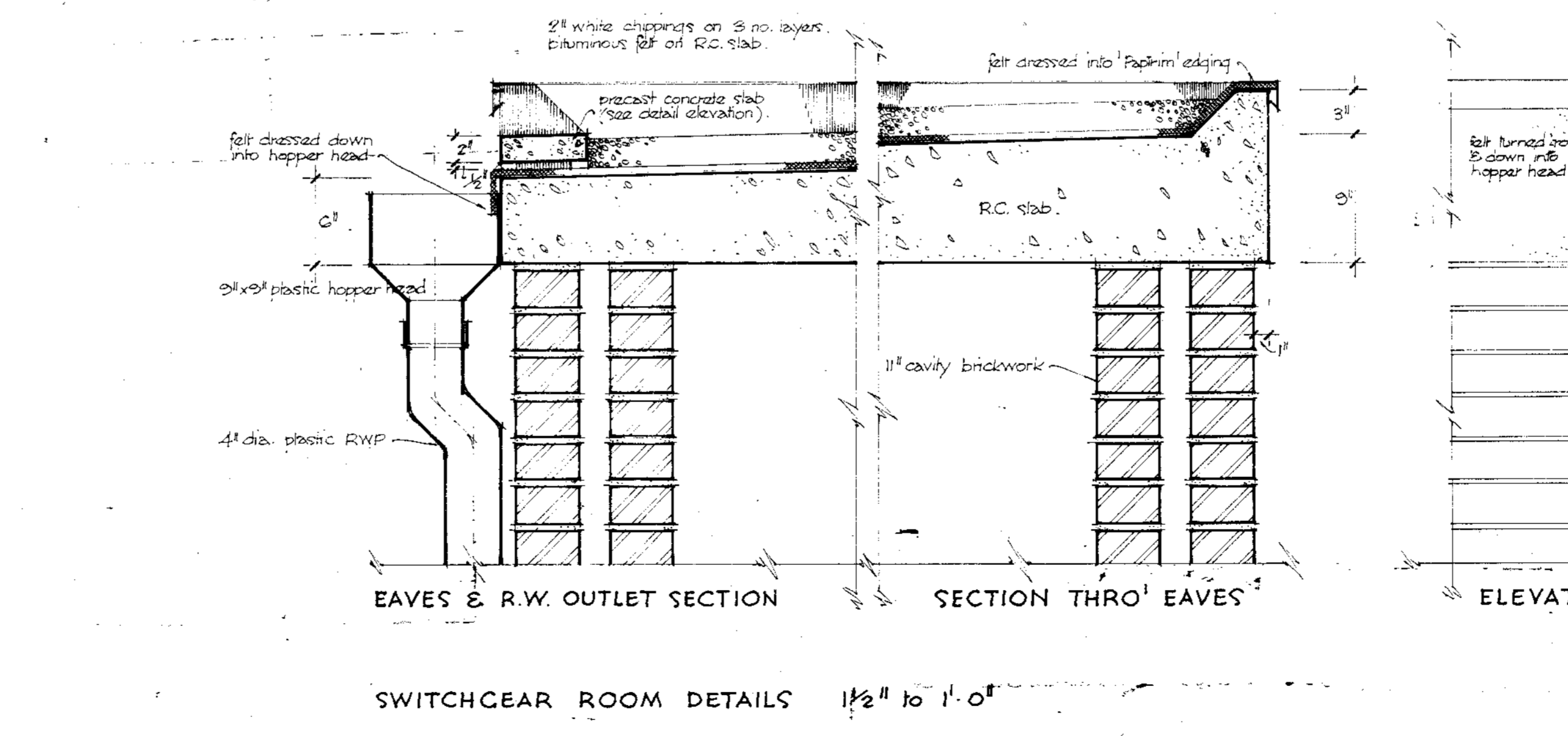
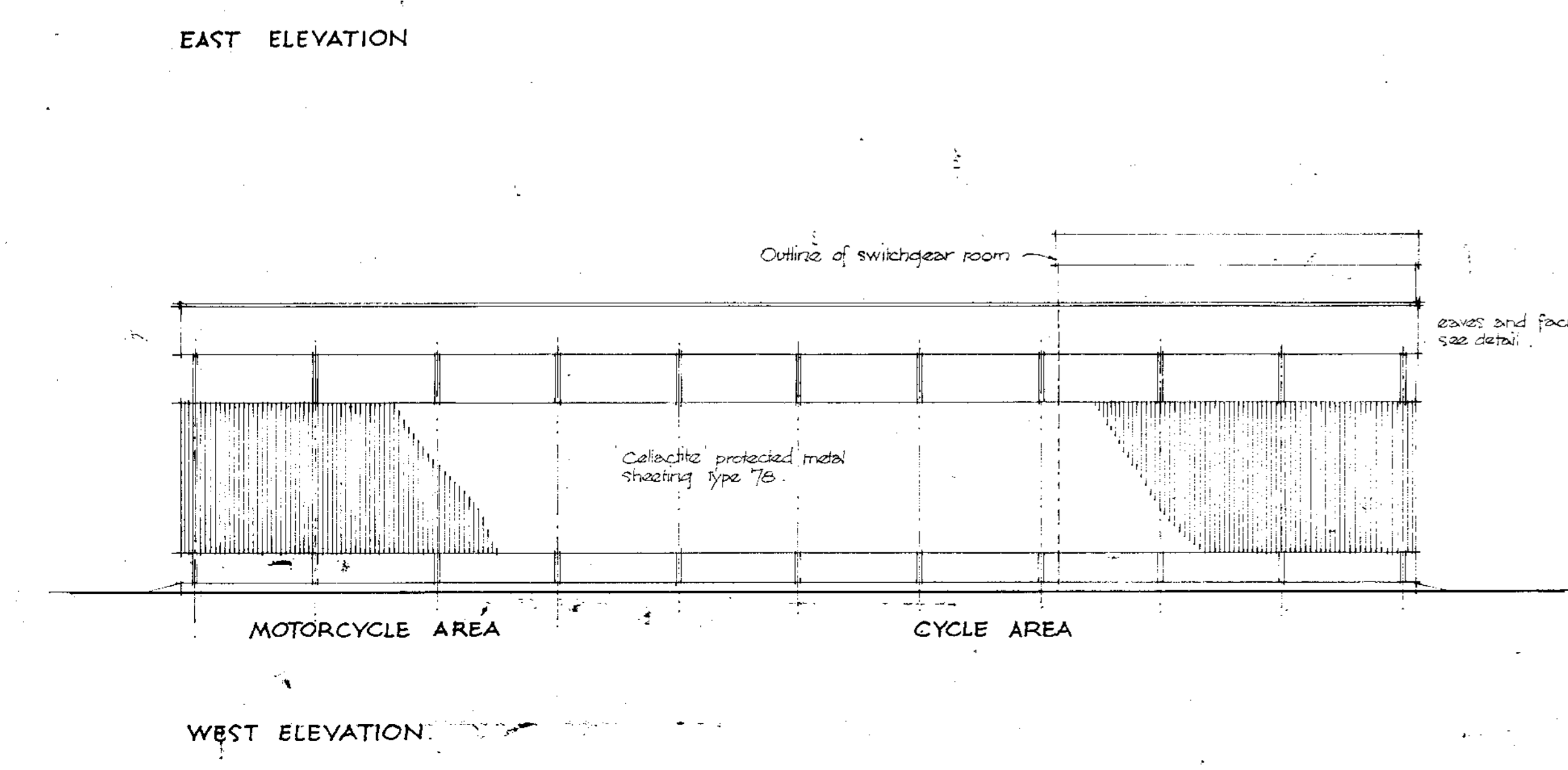
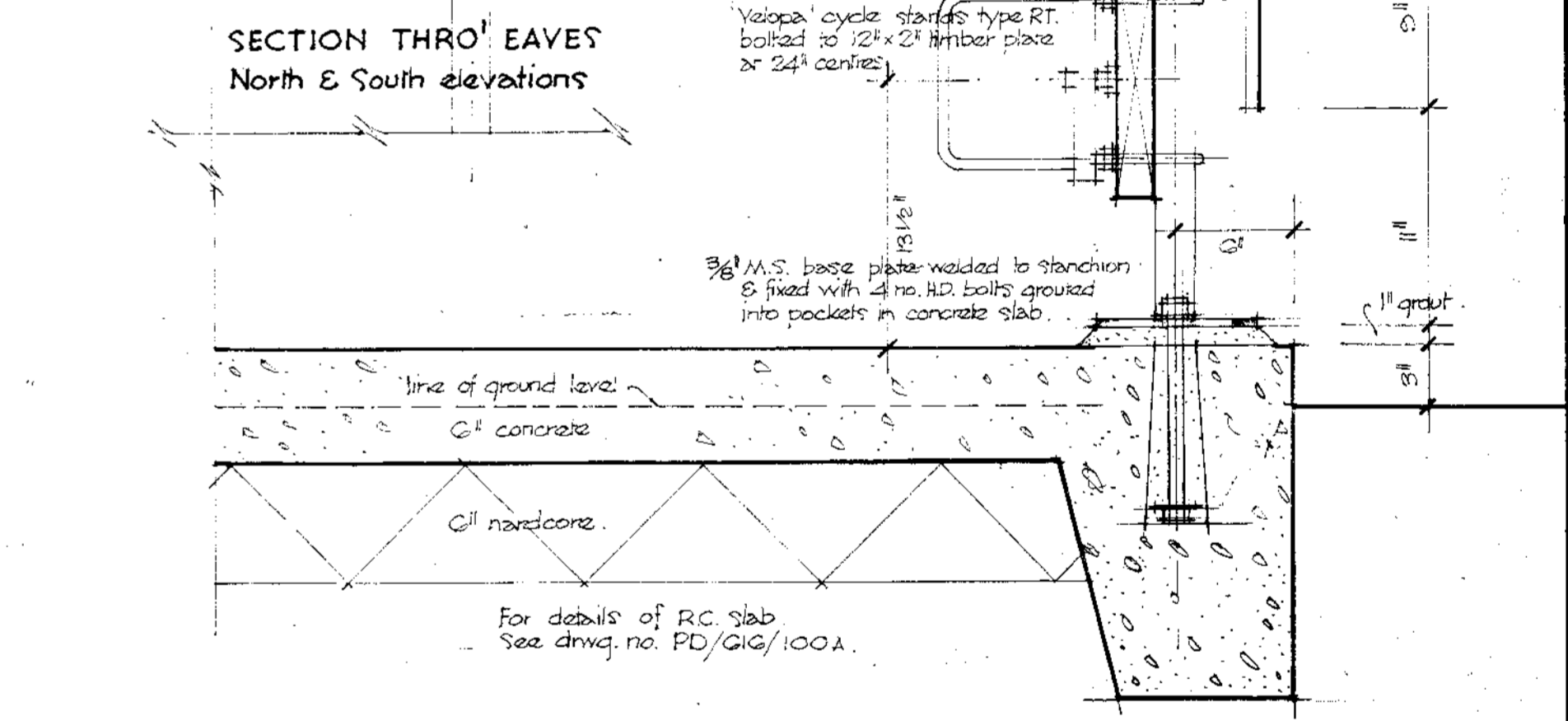
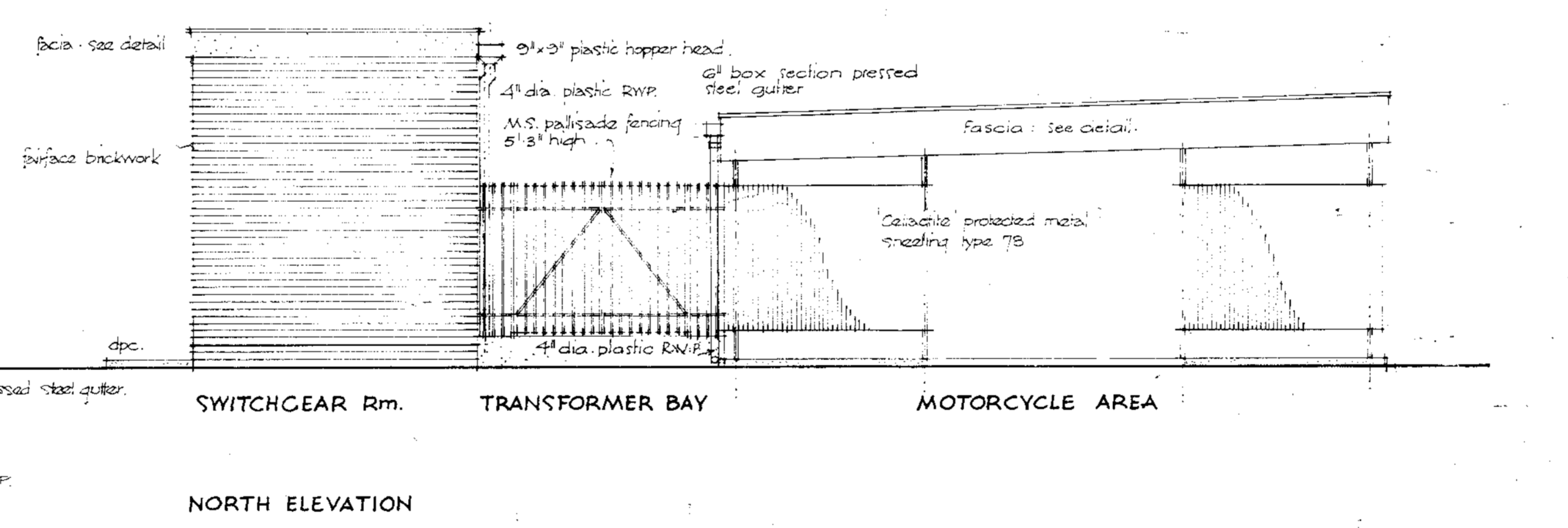
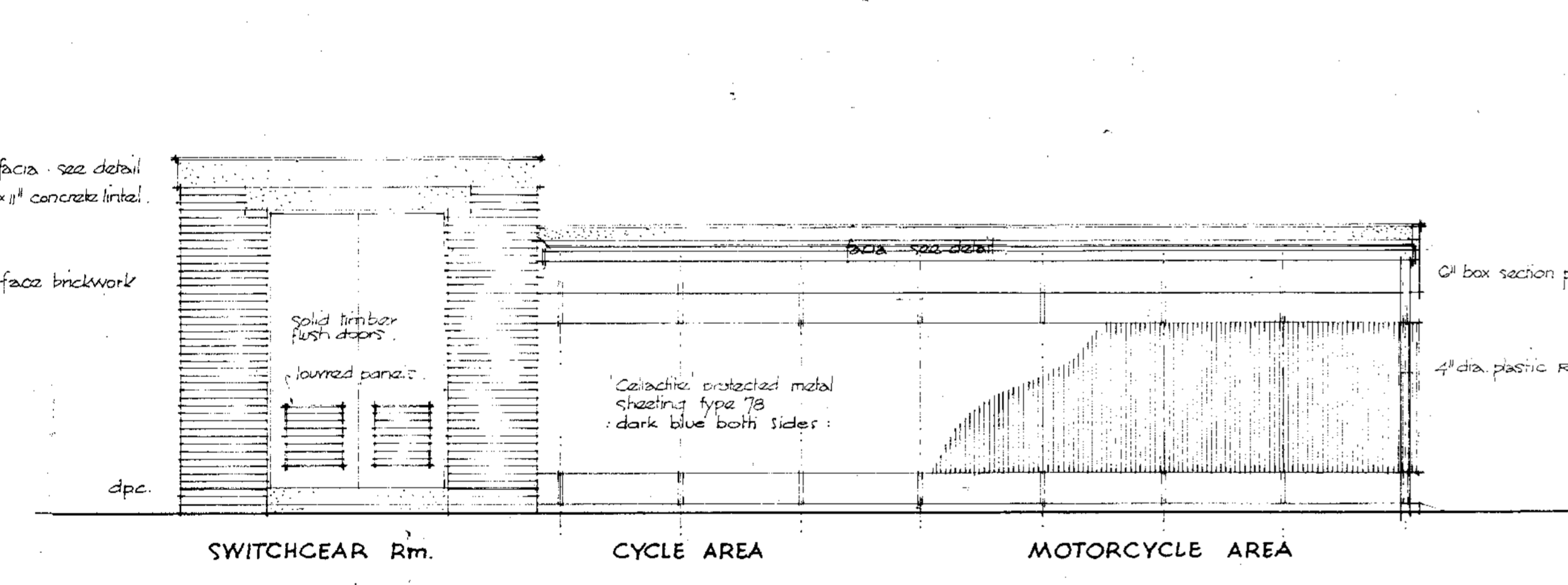
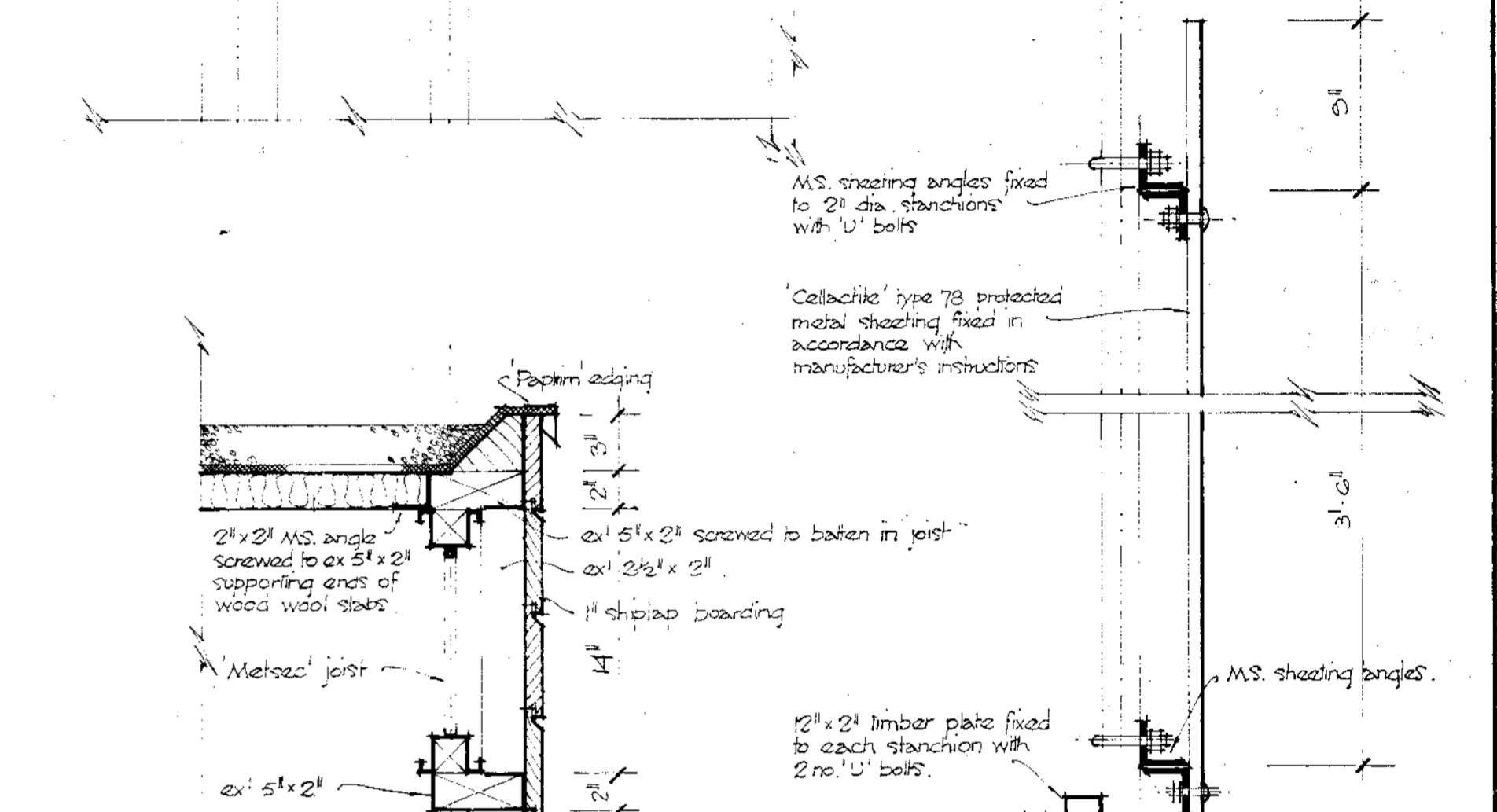
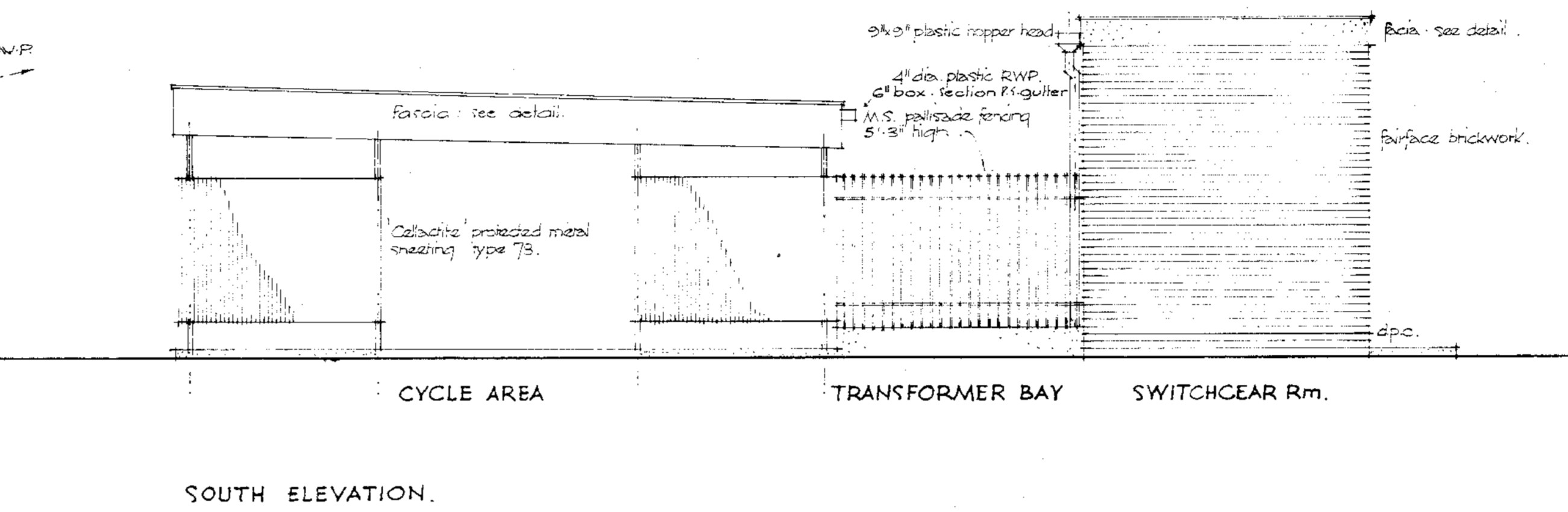
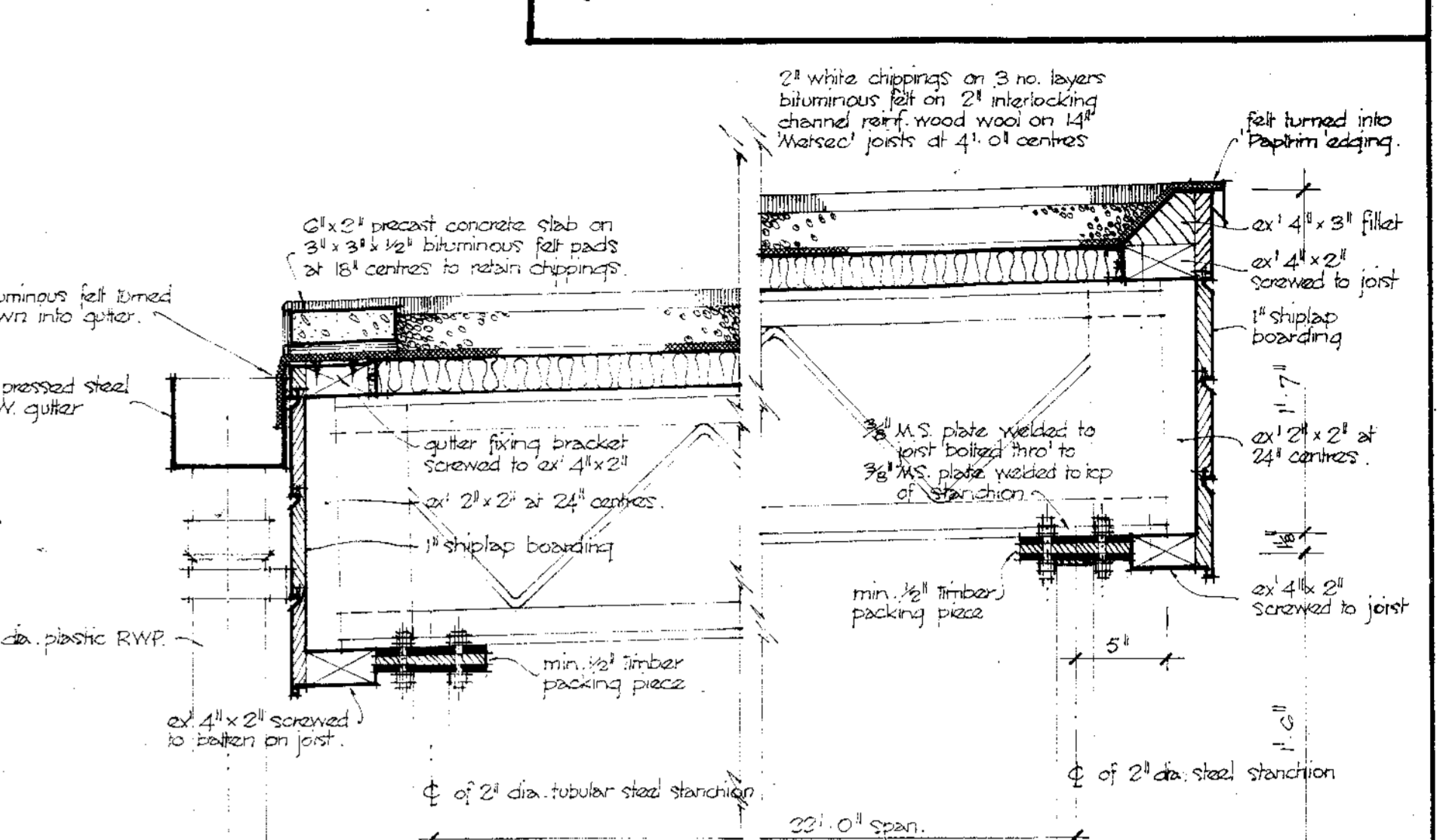
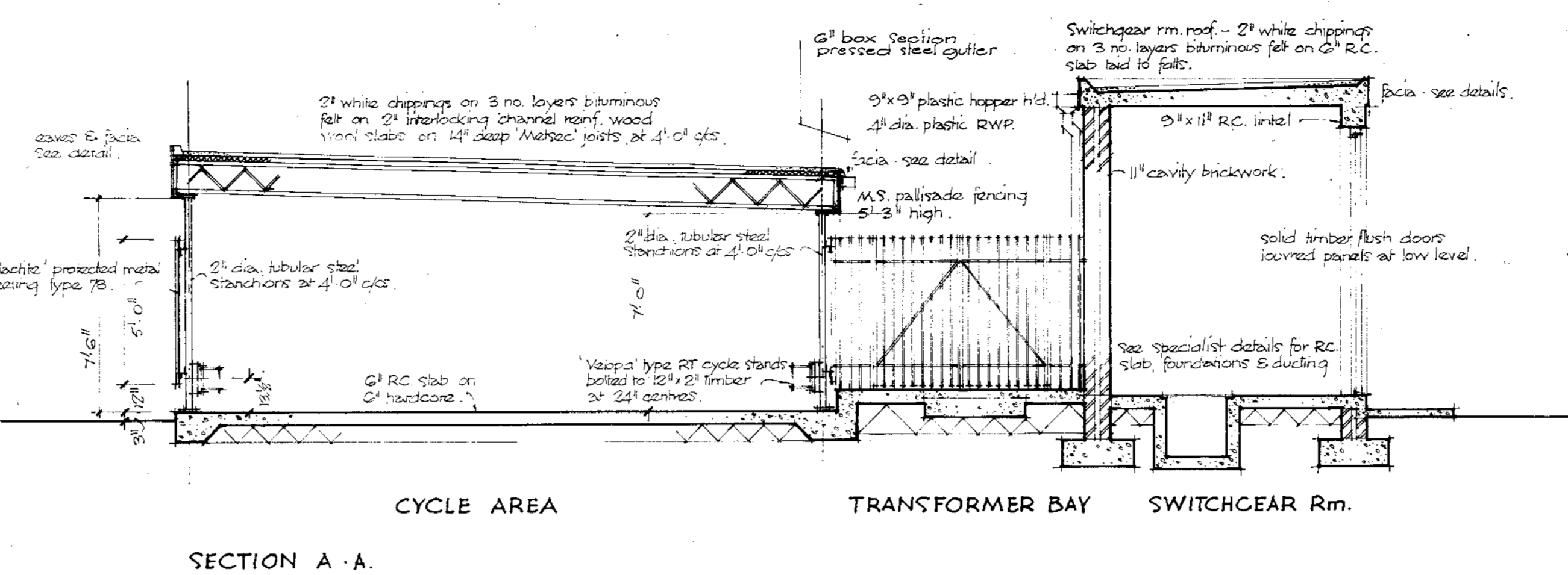
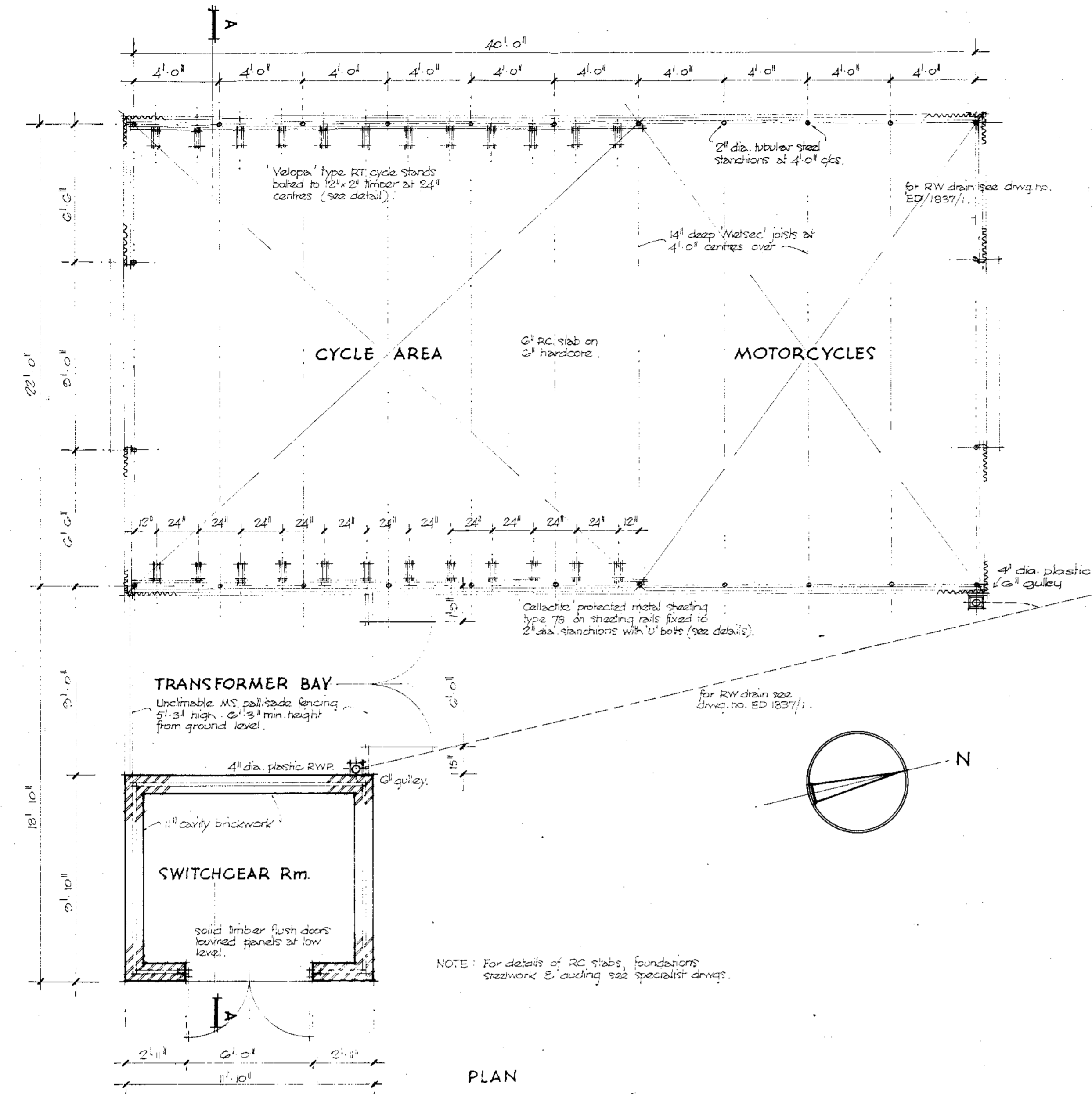
Revisions:	
Date	Description
A 17.3.65	General arrangement, and brickwork in concrete structure to foundation. See note on 2223/10. Sectionally amended.
B 5.10.65	General arrangement.
C 5.10.65	Area on right. See from 5 of sketchwork to detail plan of section amended. 22. altered to 19.50 clear opening.
D 2.10.65	Reduce section to match drawing 22, allow 20% increasing structural opening size. New and area of plan at 19.50. Sectionally amended.
E 12.2.65	See drawing number 22. See drawing number 22. Sectionally amended.
F 14.4.65	Level in Compressor Room amended. See note on 2223/10. Sectionally amended.

Job: BRITISH RAIL DIESEL MAINTENANCE DEPOT MIMMINGHAM  
Title: REVISED PLANS & SECTION BOILER HOUSE

DRG. NO: 2223/2 G.S. WE. 2/2	REV. G.
Scale: 1/4" = 1'-0"	Drawn by M.
George Wimpey & Co., Ltd., HammerSmith Grove, London, W.6.	Date 22.1.65
	Checked
	Date







DETAIL SECTIONS - CYCLE & MOTORCYCLE SHED 1/2" to 1' 0"

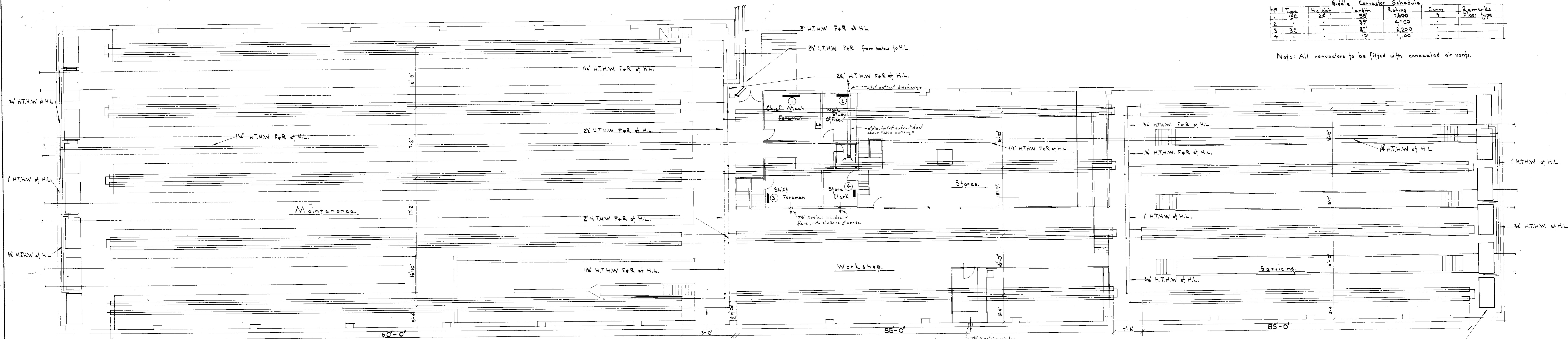
FOR CONSTRUCTION	
Revisions	
A	Date 24/2/60 General amendments to drawing.
B	Date 2/7/60 Foundation U.P. bolts amended.
RAILTRACK 181220LINE	
Job BRITISH RAILWAYS DIESEL SERVICE STATION - IMMINGHAM	
Title SUBSTATION CYCLE & MOTORCYCLE SHED Frodingham cycle shed details & method of retaining chippings see this drawing.	
DRG. NO. 2220/5 60-WE-320	REV. 2
Scale four feet to one inch.	Drawn by G.B.
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.	Date 22-3-65 Checked Date

26227 'AS MADE'



Biddle Convexor Schedule					
No	Type	Height	Length	Rating	Remarks
1	2C	22'	55'	7,500	Floor type
2	3C		39'	4,100	
3	3C		27'	2,100	
4			19'	1,100	

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

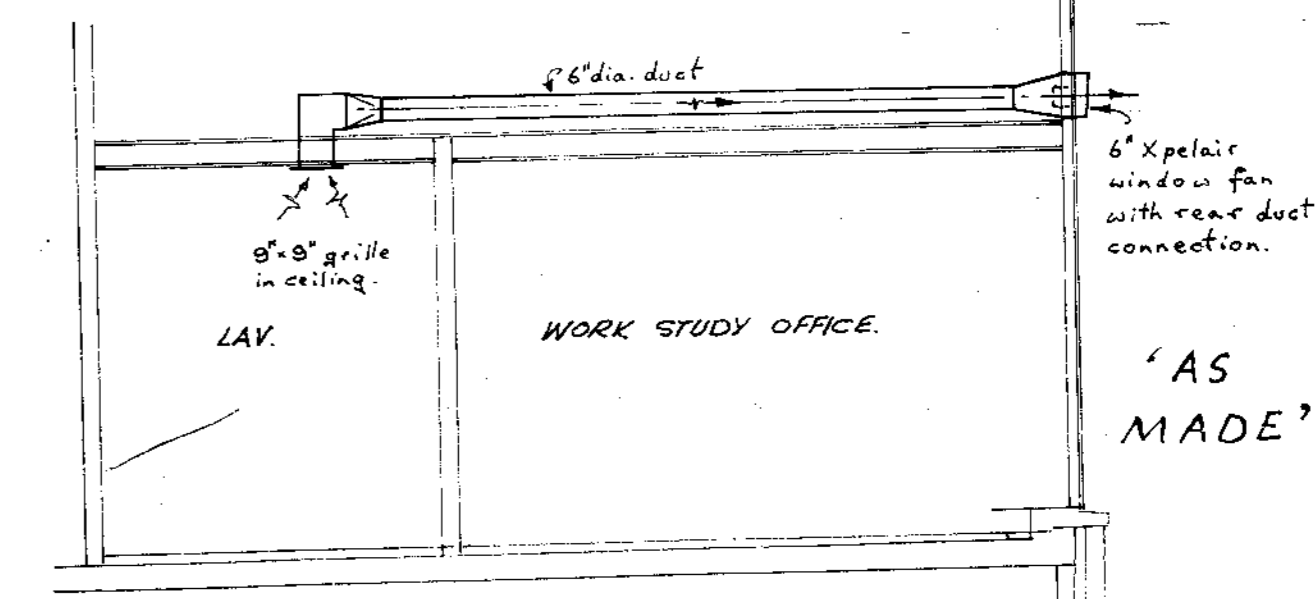
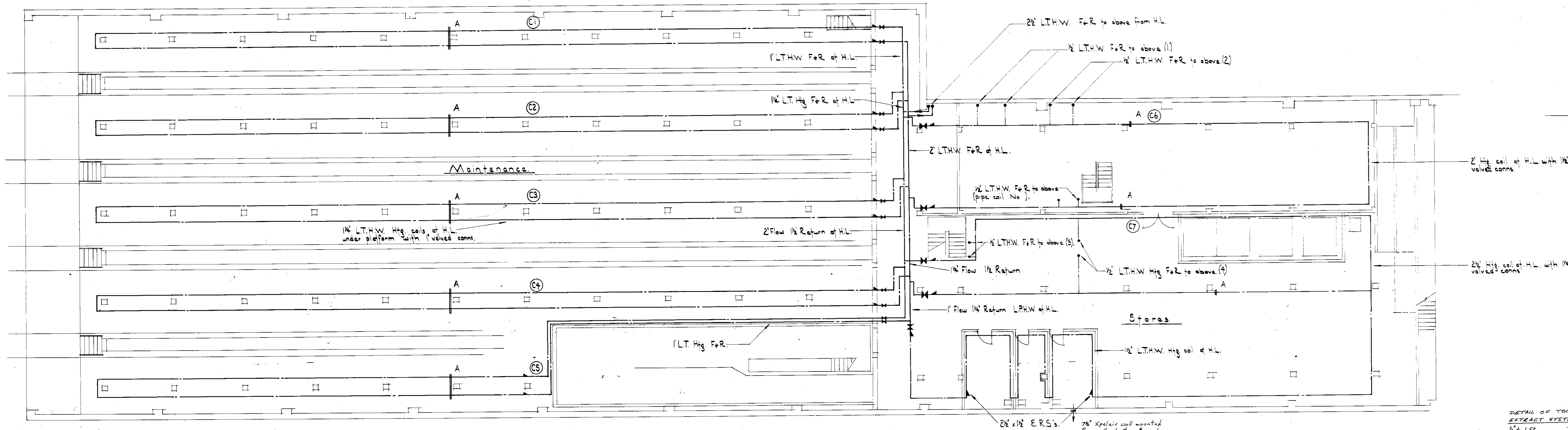
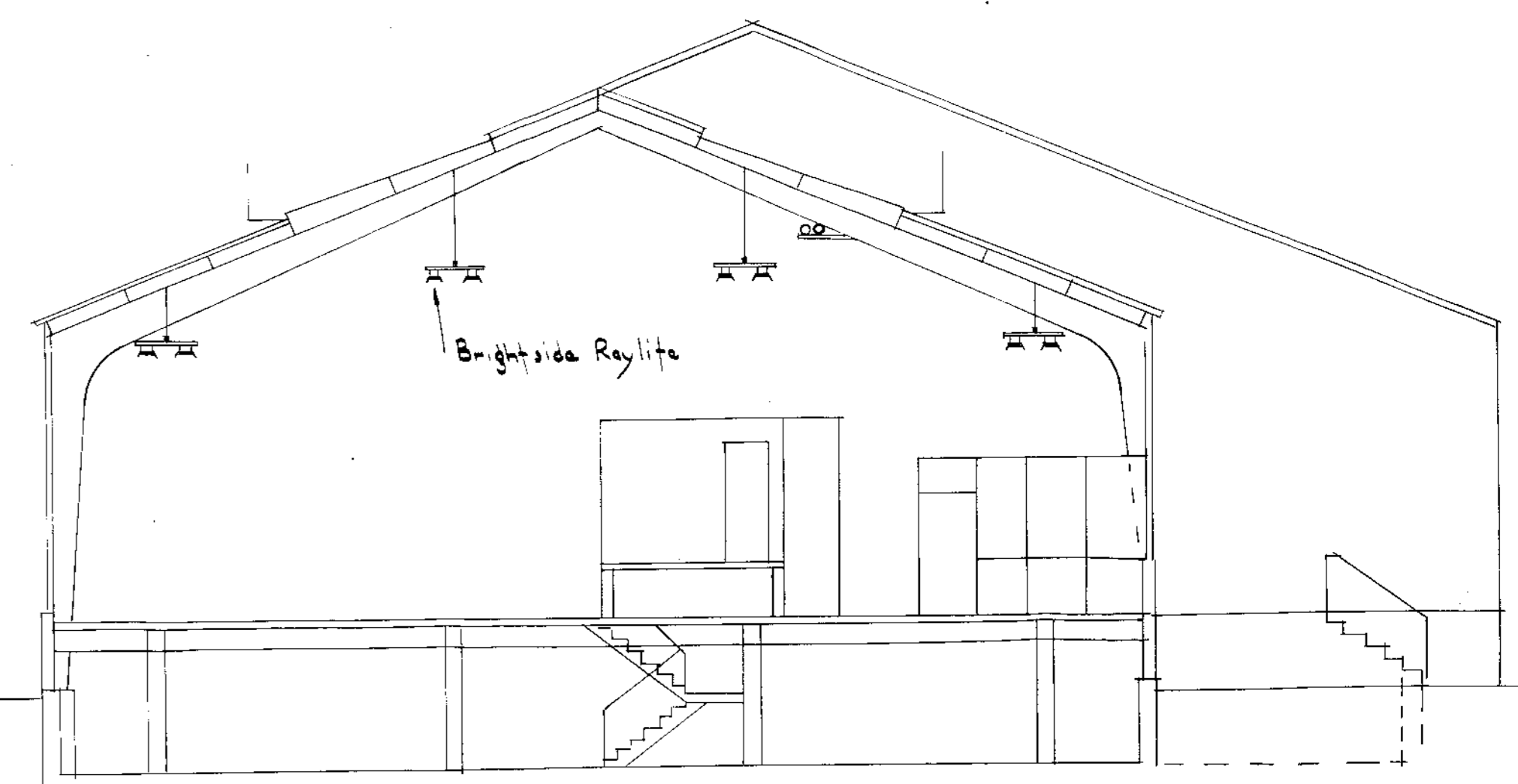
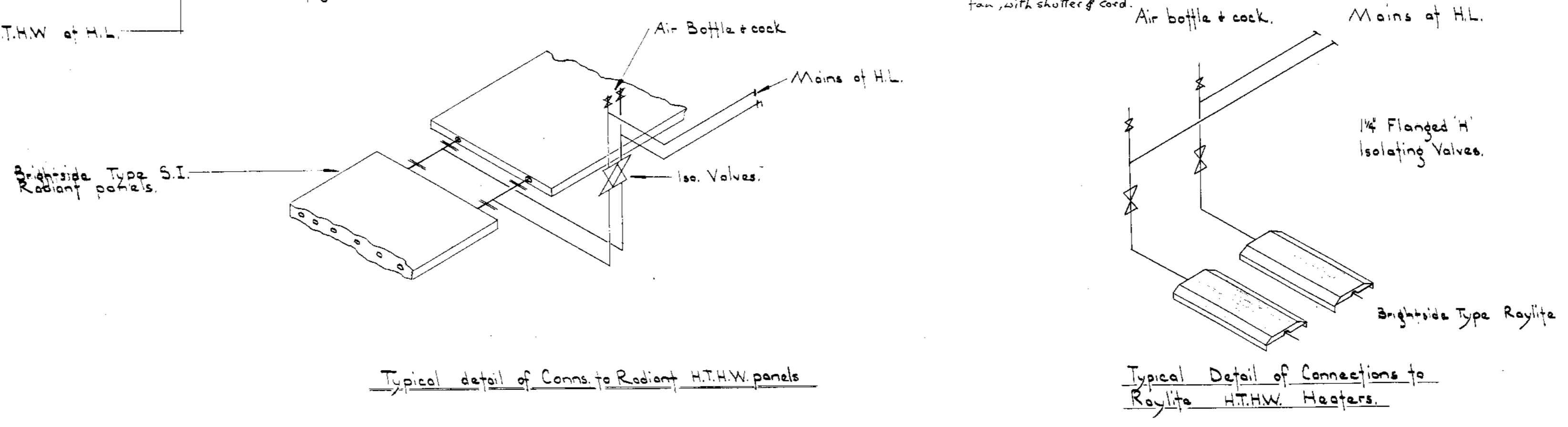


Pipe coil Schedule.

N°	Length	Bore	Conns.
C1	300ft	1 1/2"	1"
C2			
C3			
C4			
C5	110ft		
C6	185ft	2"	1 1/2"
C7	35ft	2"	1 1/2"

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

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



Revisions	
A	1" Xpelair window fan & duct extract system added.
B	May 1959 1 1/2" LTHW For Radiant panel revised to 1/2" LTHW For Radiant panel as shown in Centre of Radiant panels amended to B.R. requirements.
C	

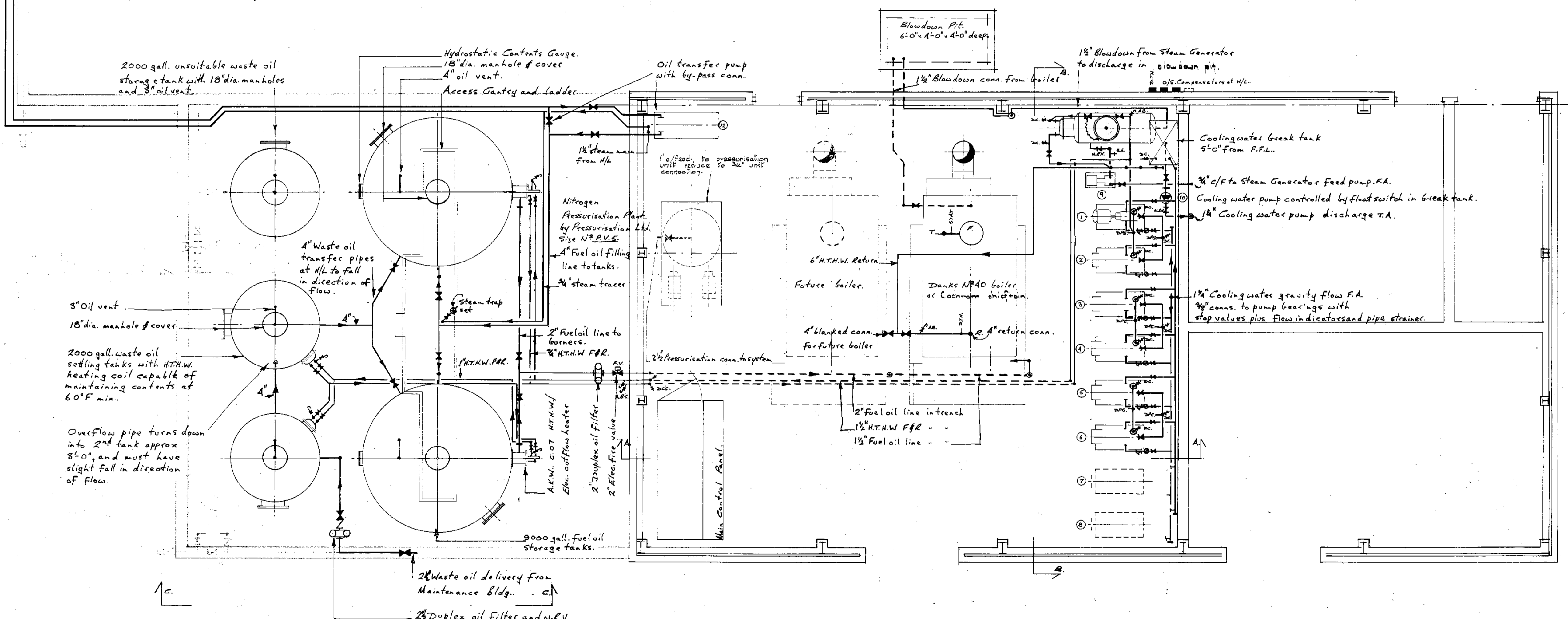
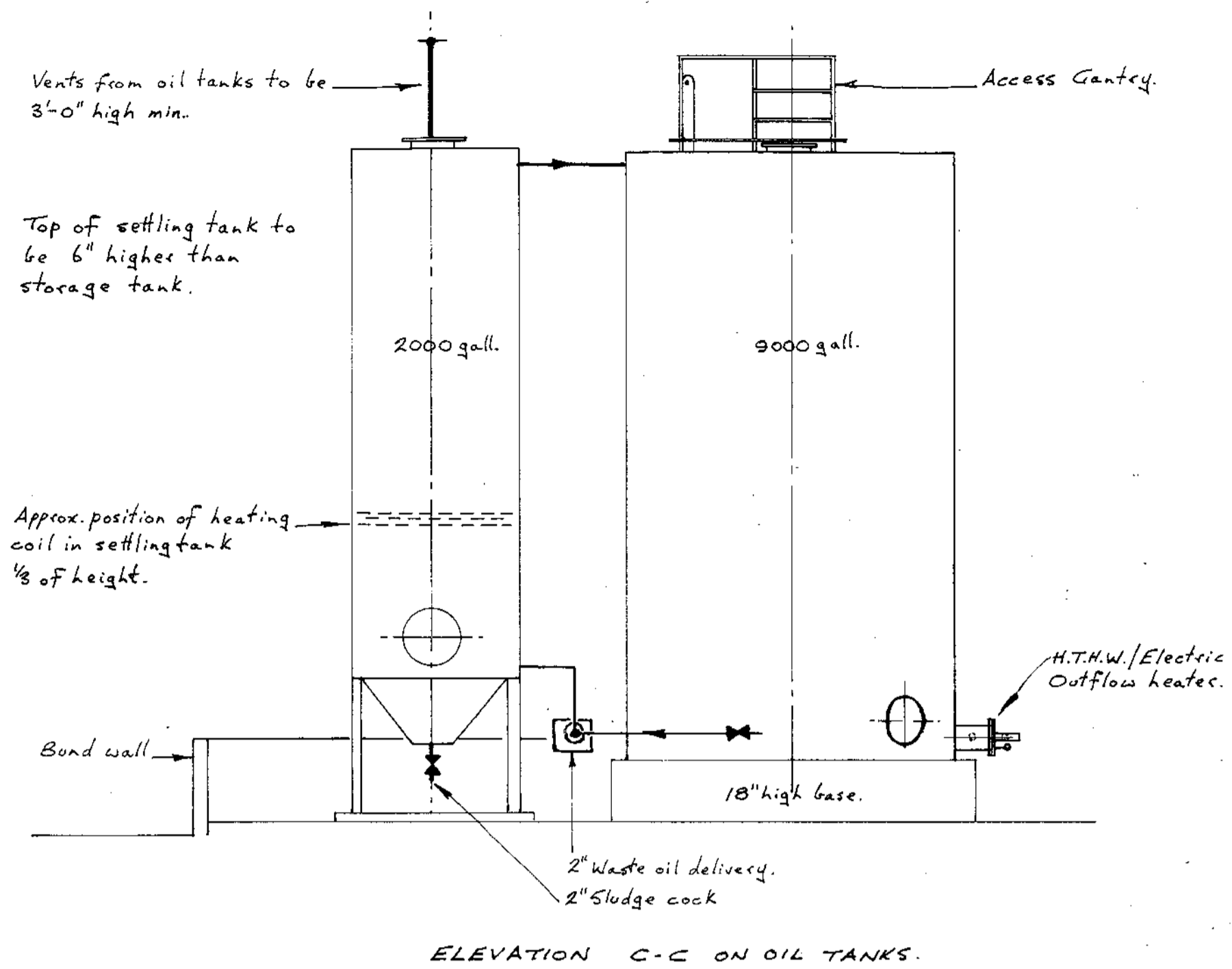
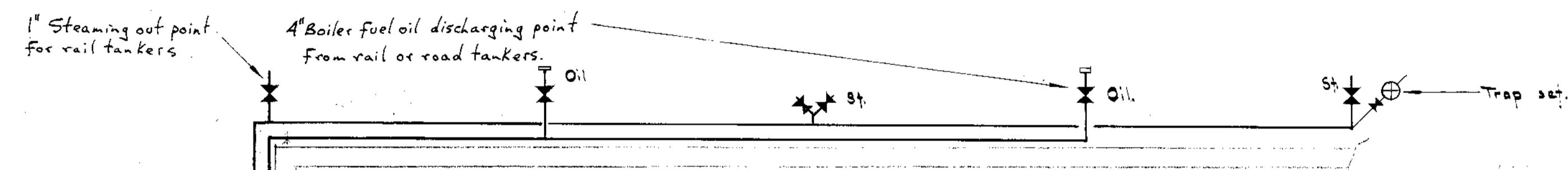
  

Job: British Railway Birmingham	
Title: HTHW/LTHW Heating to Maintenance & Service Building	
DRG No 2225/11	REV C
68 WE 328	Drawn by LNC
Scale 1/8" = 1'-0"	Date 16-3-58
George Wimpey & Co., Ltd.	Checked by
Hammermith Grove, London, W.6.	Date 16-3-58

26221

'AS MADE'





REFERENCE

—T	Stem thermometers.
—DC	Drain cocks.
—AB	Air bottles.
—DR	Distant reading thermometers.
—DP	Distant reading pressure gauges.
—SV	Safety valves.
—NRV	Non-return valves.
—FI	Flow indicators.
—ST	Pipeline strainers.
—EAT	Pipeline immersion thermostats.
—>	Direction of flow.

SCHEDULE OF PUMPS.

N <sup>o</sup>	SERVING.	MEDIUM.	DUTY.	MANUFACTURER.	TYPE REF.	APPROX. H.P.	CONNS.
1	HEAVY Priming	H.T.H.W.	18 gpm @ 4' lift	HOLDEN & BROSSE	JKN/D 1 1/2"	0.5	2 1/2" Flanged.
2	—do—	—do—	—do—	—do—	—do—	0.5	—do—
3	H.T.H.W. Htg.	H.T.H.W.	60 " 25 "	—do—	2 1/2	0.75	—do—
4	—do—	—do—	—do—	—do—	—do—	0.75	—do—
5	L.T.H.W. Htg.	H.T.H.W.	30 " 8 "	—do—	1 1/2	0.5	—do—
6	—do—	—do—	—do—	—do—	—do—	0.5	—do—
7	Future	H.T.H.W.	Not known	—do—	—do—	—do—	—do—
8	—do—	—do—	—do—	—do—	—do—	—do—	—do—
9	Steam Gen.	Cold water.	25 gpm @ 25 psi.	—do—	Cyren 1" 1/2	0.75	1" Screwed.
10	Cooling water	—do—	12 gpm @ 6' lift.	—do—	Sufflo 1" c	180 watts.	1 1/2" Screwed.
11	Pressure Unit	—do—	20 " 140 psi.	—do—	—do—	—do—	—do—
12	Fuel Oil Storage	2000 gal. oil	4000 gph @ 26' lift.	Hamworthy.	100 L. 3.	5.0	5 x 4" Flanged.
13	—do—	—do—	—do—	—do—	—do—	—do—	—do—
14	—do—	—do—	—do—	—do—	—do—	—do—	—do—

- NOTES.
- For accurate location of plinths and trenches see Architects' drawing.
  - For high level plan & sections see Services drawing No. 2223/13.
  - All pump gland drains to be discharged into perimeter drainage channel.
  - All air vent and safety valve discharges are to be piped to an adjacent floor drainage channel.
  - Boiler House ventilation requirement 8 sp. ft. free area minimum.

26227

'AS MADE'

Revisions

Date	Description
	RAILTRACK 181227LINE
B 15/14	H.P.M.W. Pump sizes increased. No 5 & 4.
A 22/2/01	Oil line was 1 1/2" and 2" for 2000 gallon tank. Re-pressurisation unit removed. 2" oil pump gear was 1" 1/2" and 1" reduced to 3/4".

Job  
BRITISH RAILWAYS. IMMINGHAM.

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

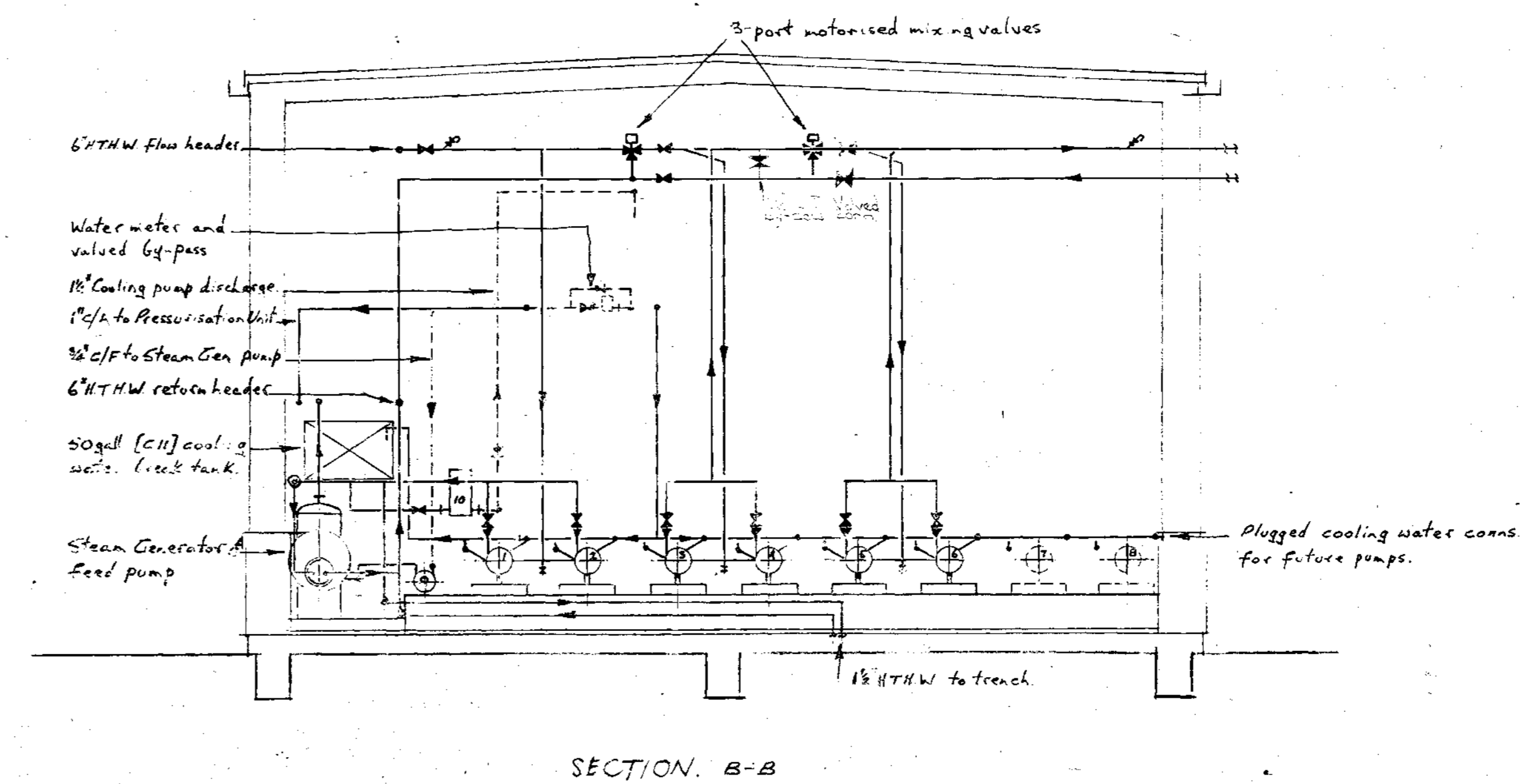
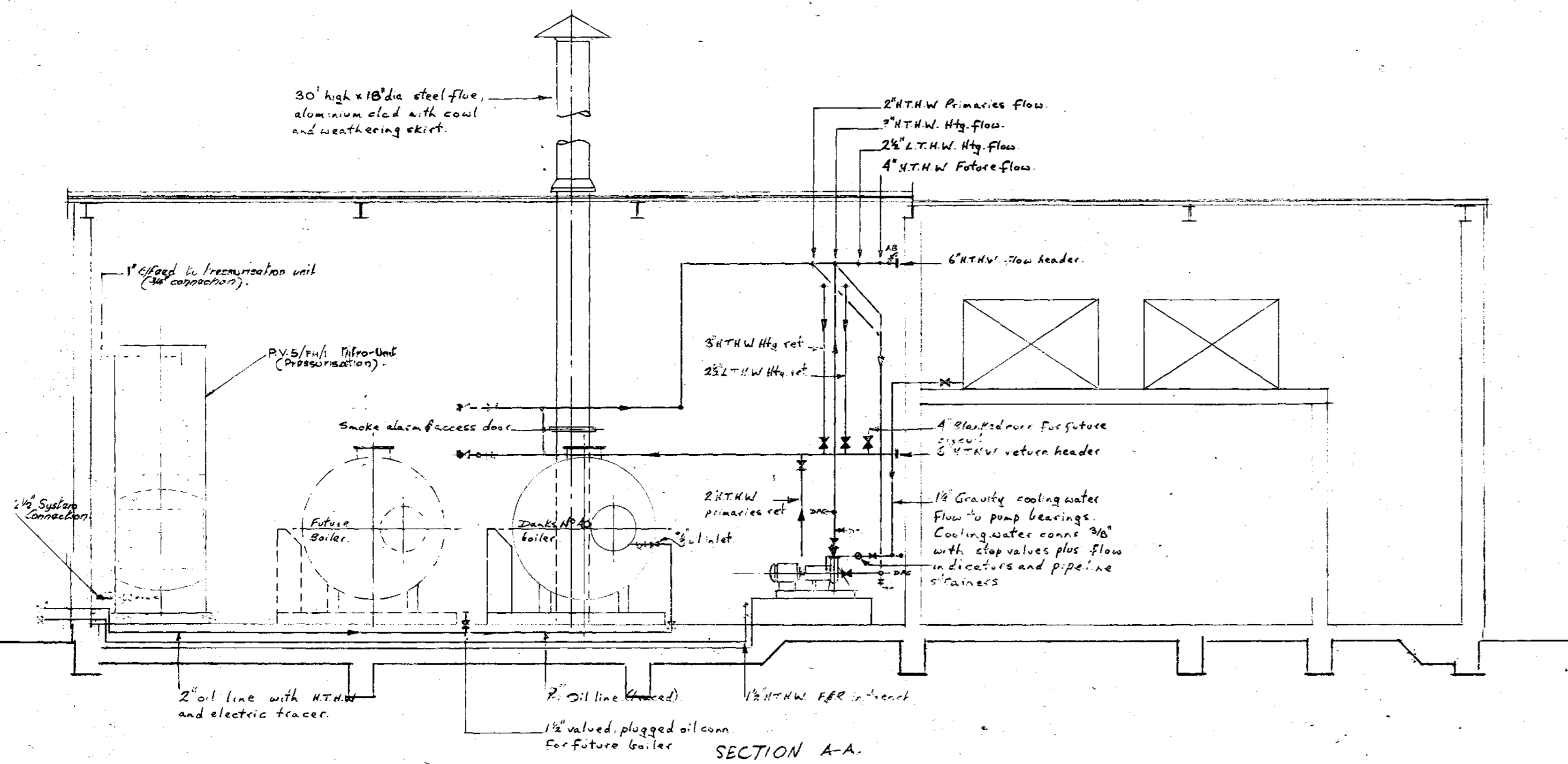
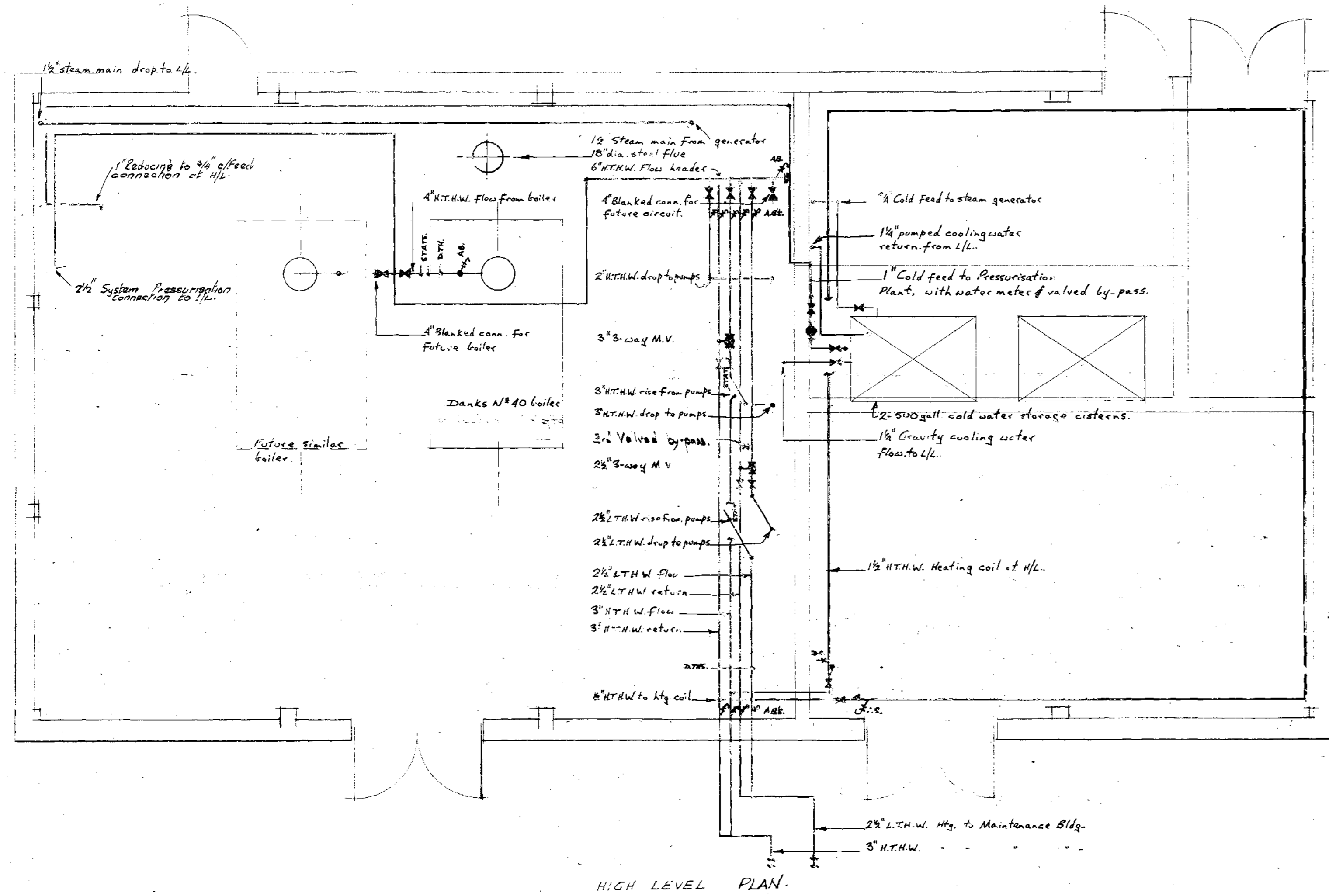
DRG. NO. 2229/12  
G.S. WE 1327

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

REV. A

Drawn by BEM  
Date Feb. 11/35  
Checked  
Date Feb. 18/35





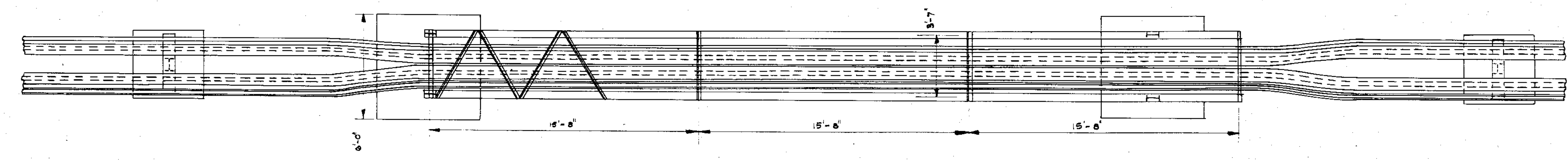
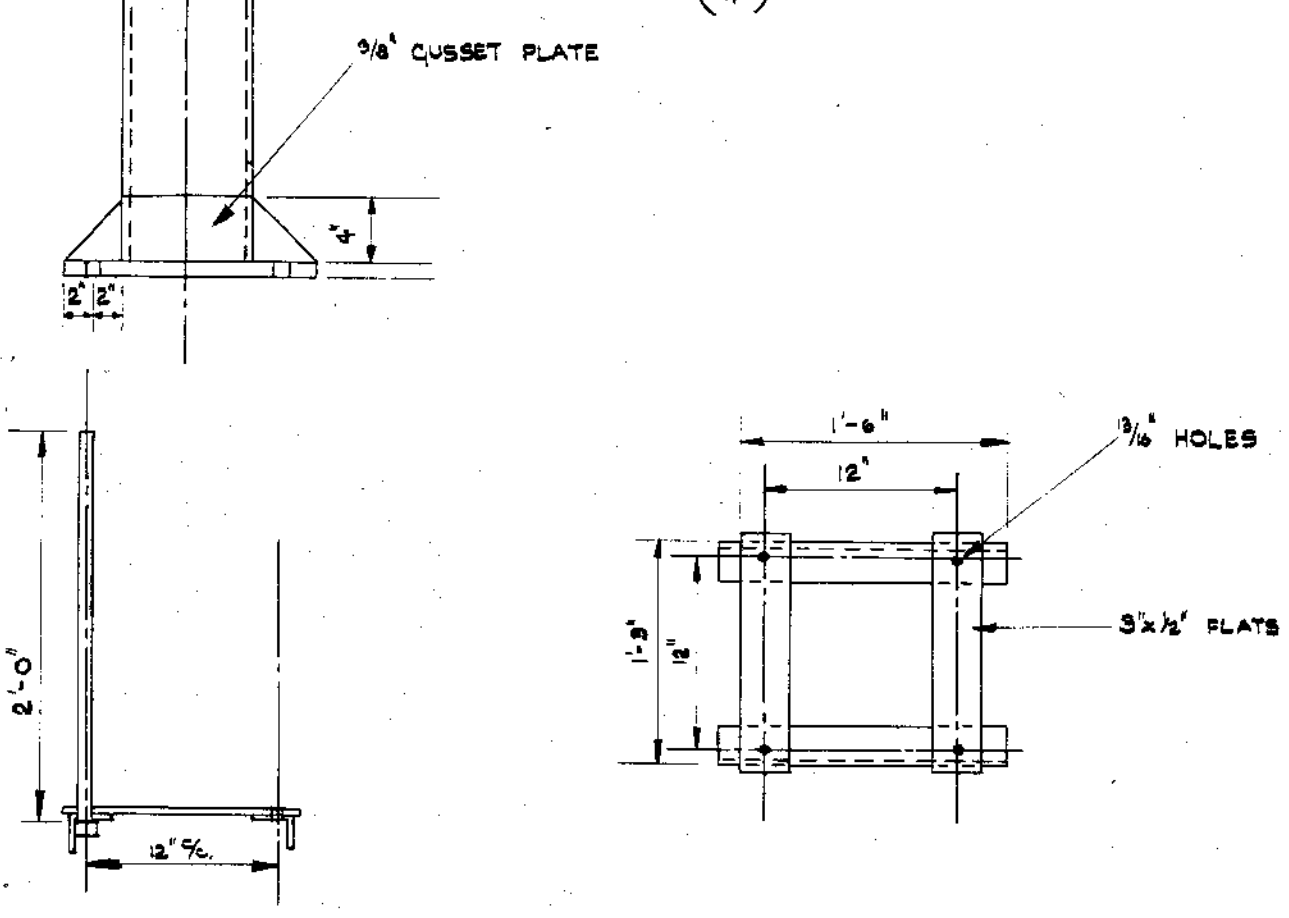
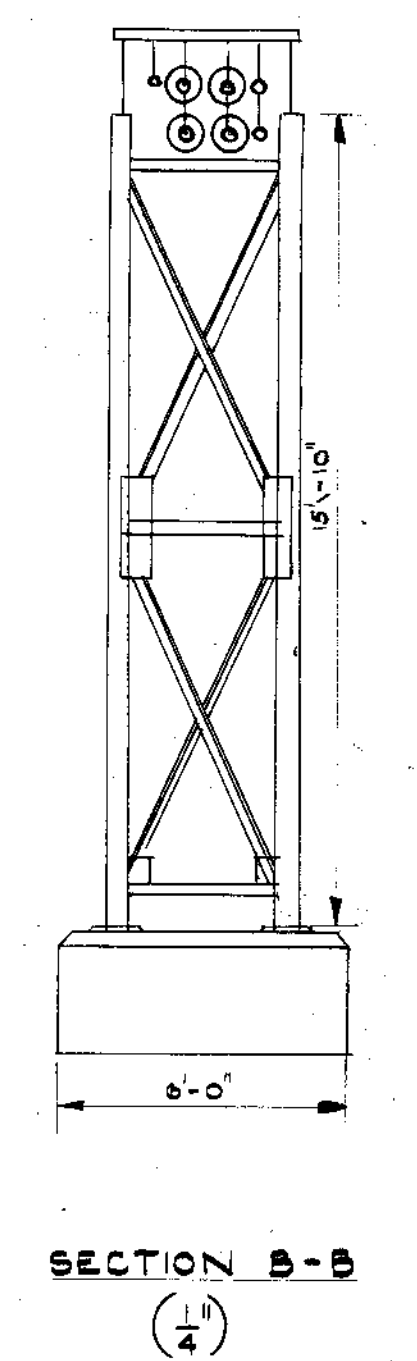
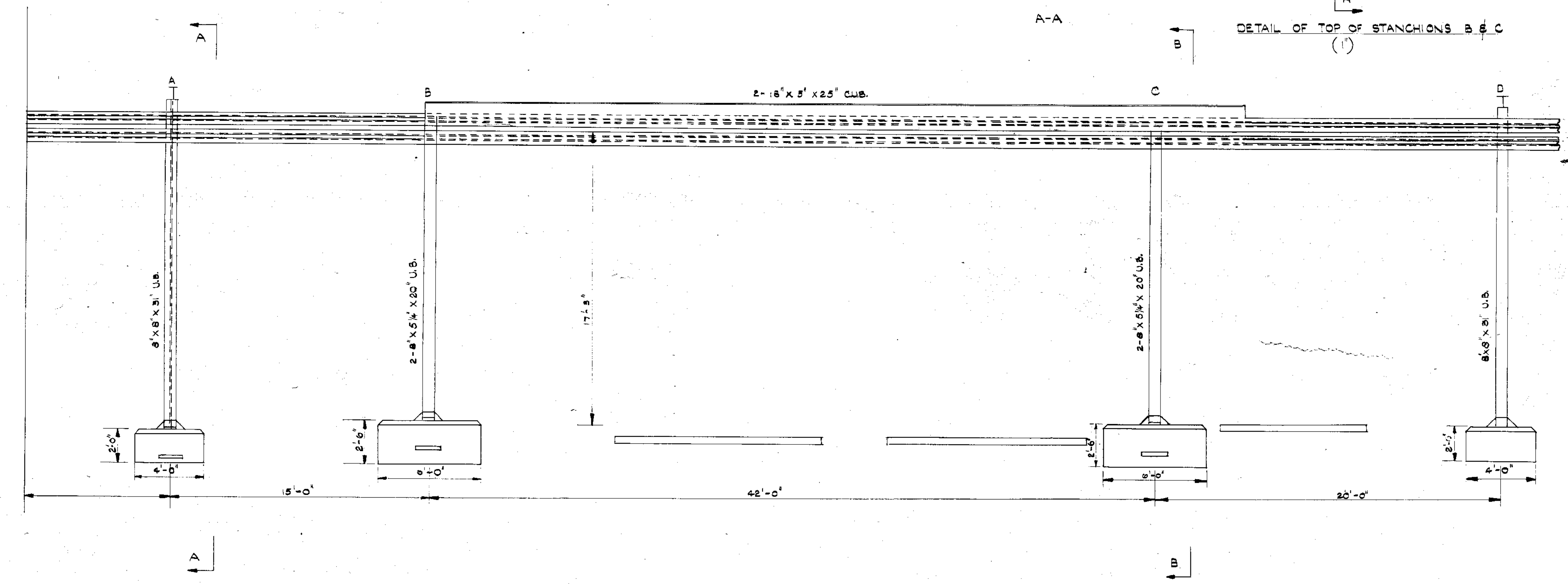
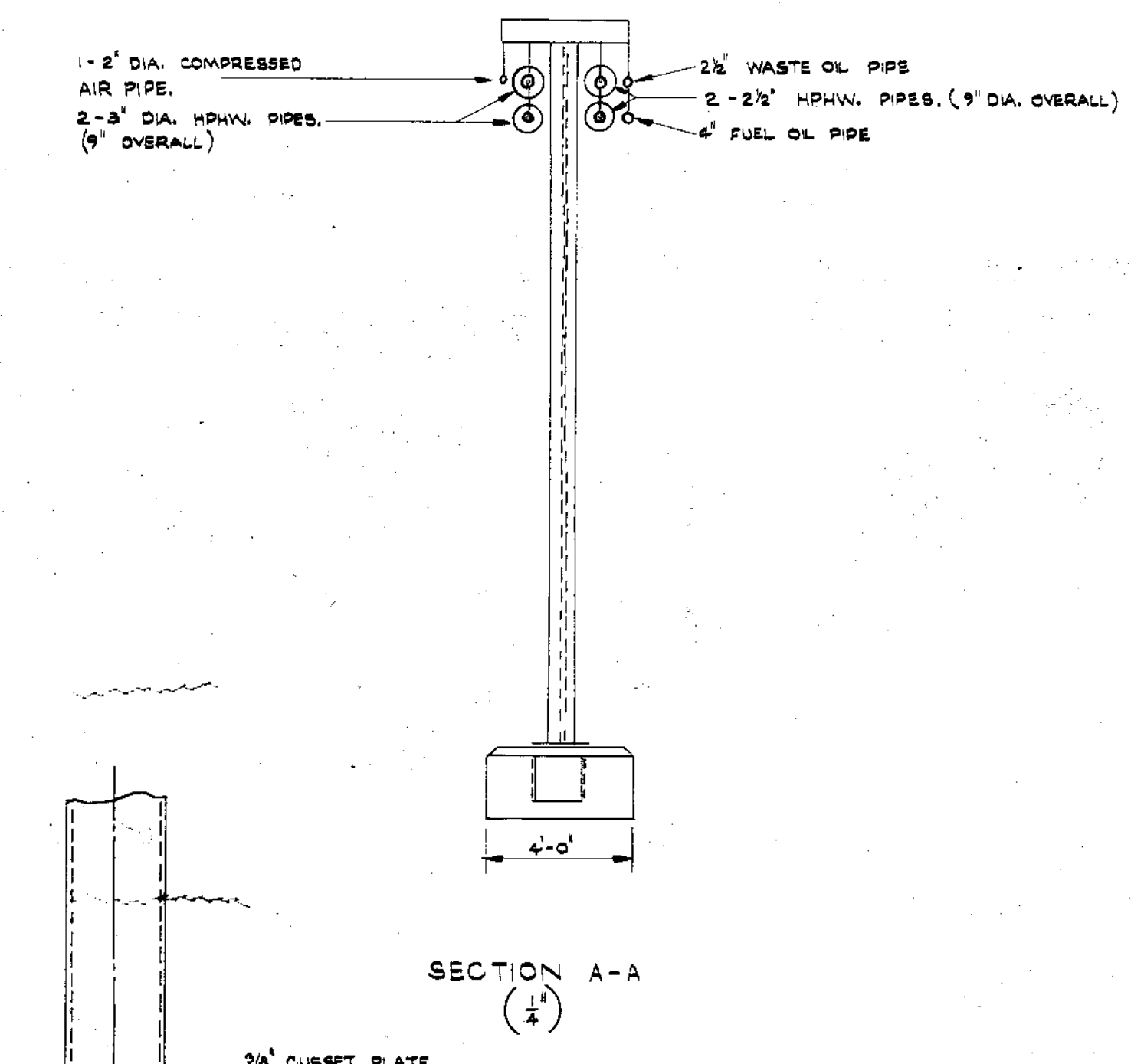
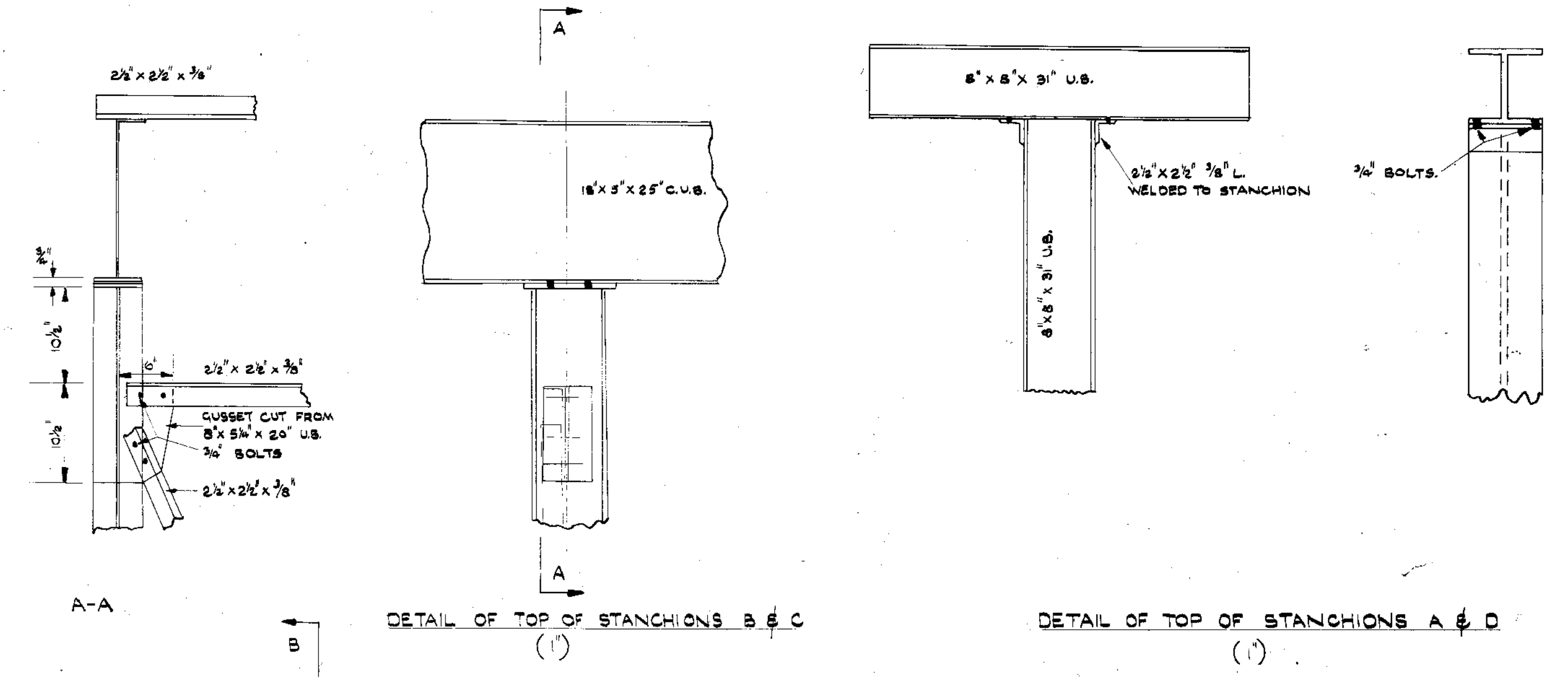
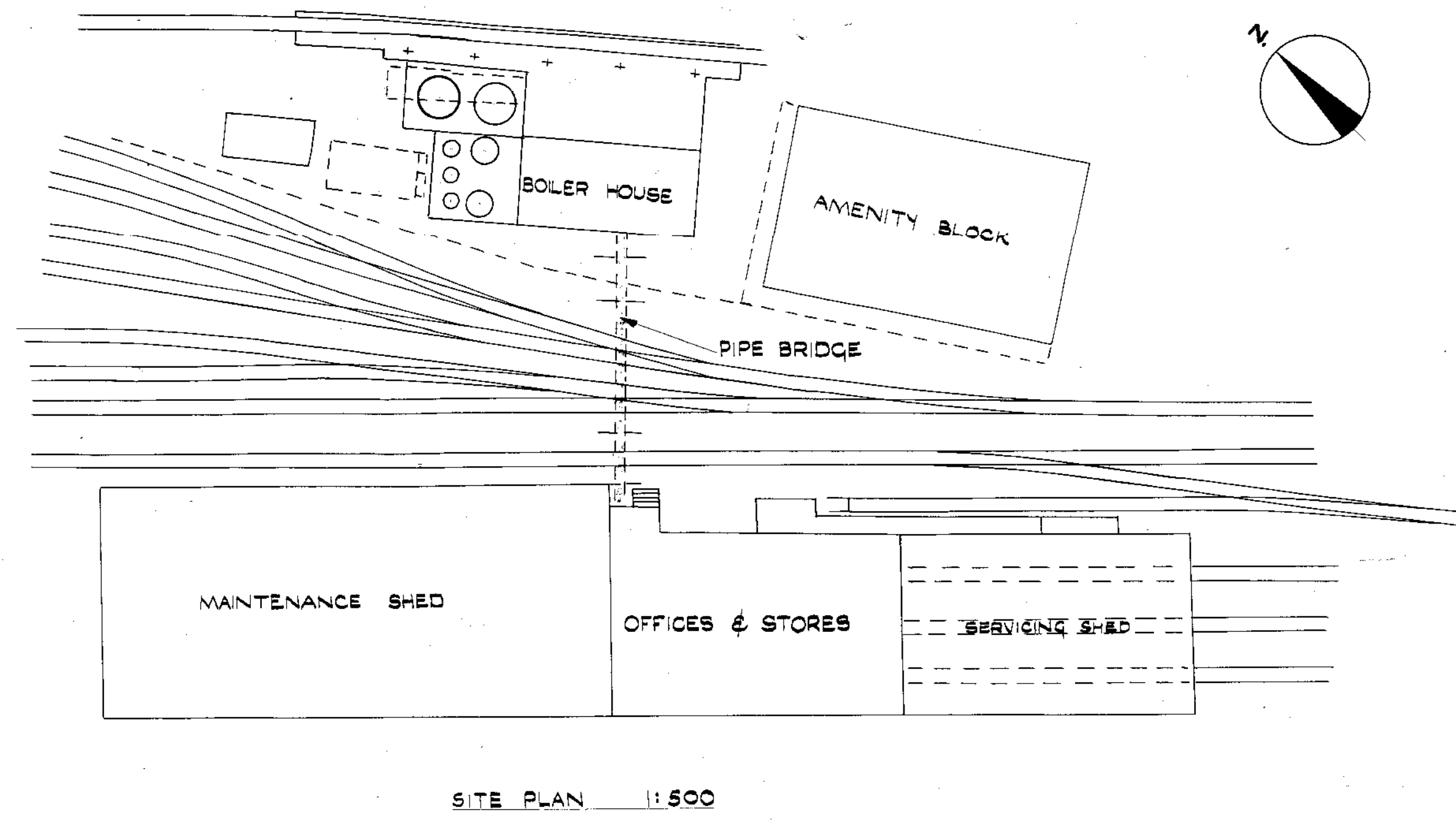
For Low Level Plan and details of Oil Storage Area see Services Drawg No 2229/12

Revisions	
Date	
Job BRITISH RAILWAYS DIESEL MAINTENANCE DEPOT IMMINGHAM	
Title BOILER HOUSE HIGH LEVEL PLAN AND SECTIONS	
DRG. NO. 2229/12 69.W.E.328	REV. A
Scale 1/4" = 1' inch	Drawn by P.H.
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.	Date 16-2-1965 Checked Date 12.18.65
RAILTRACK 181228LINE	

26227

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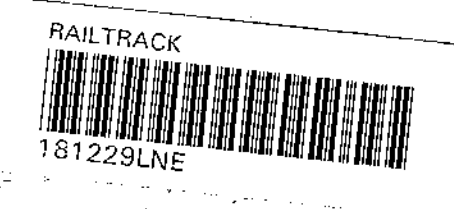
26227

'AS MADE'

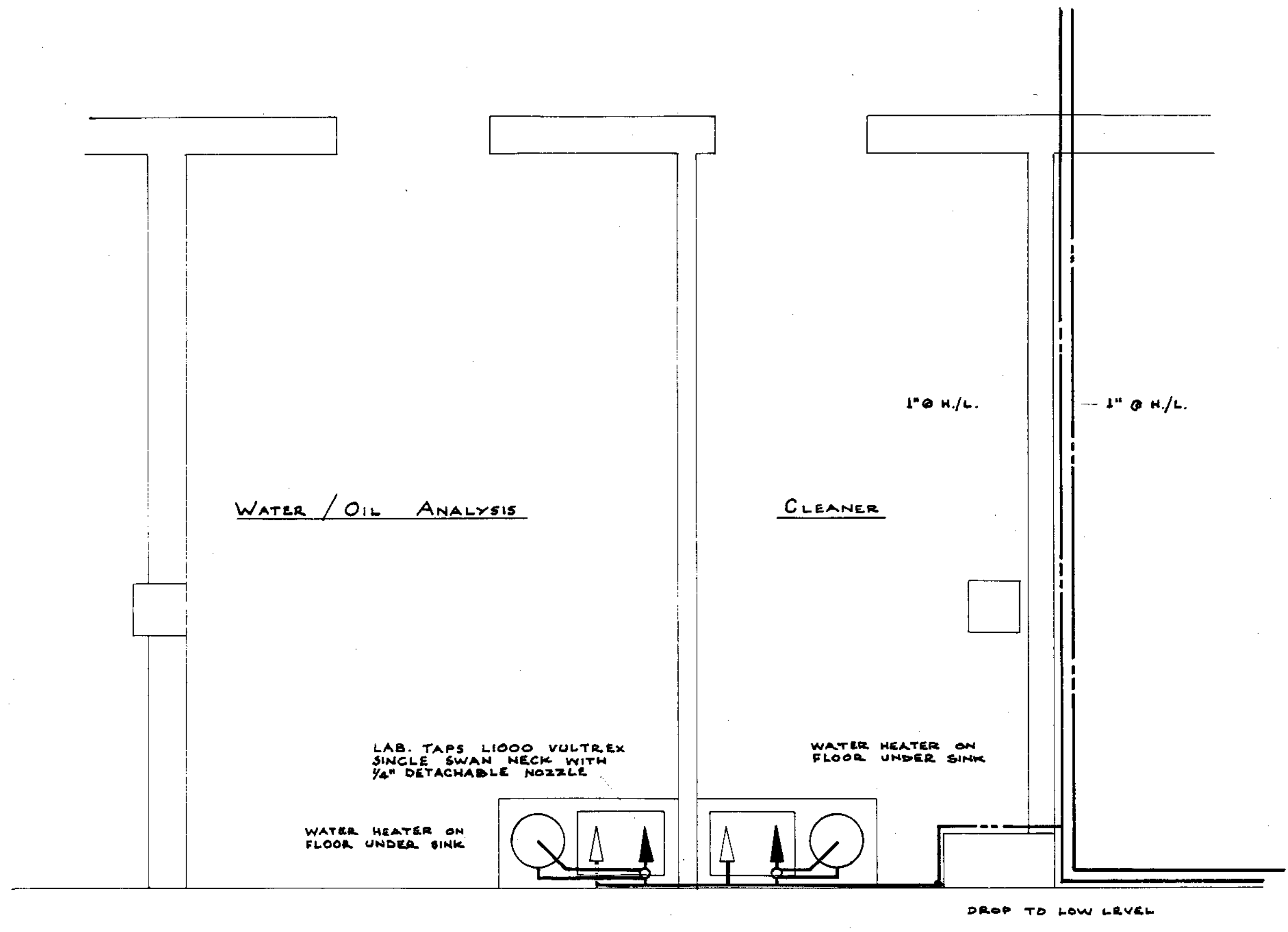
Revisions	
Date	By

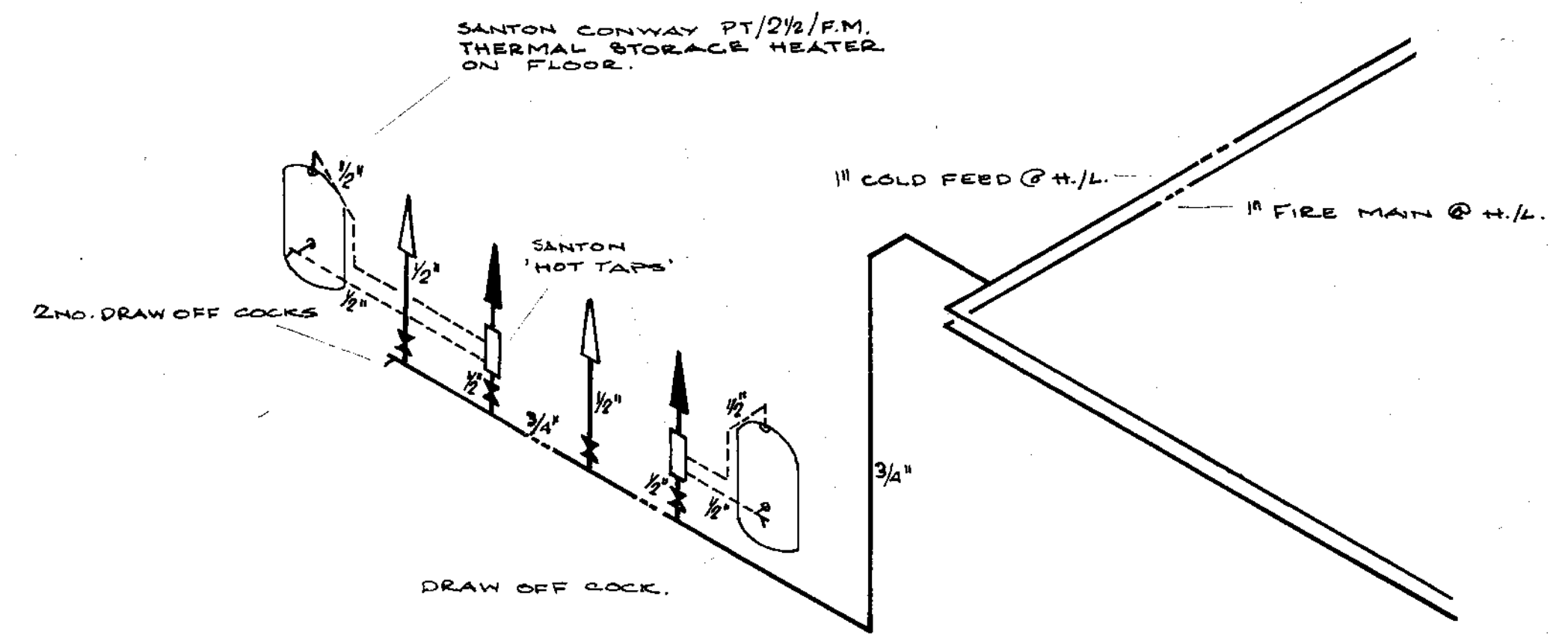
Job BRITISH RAILWAYS: IMMINHAM.	
Title PIPE BRIDGE & SITE PLAN	
DRG. NO. 2229/14 69.WE.329	REV.
Scale: AS SHOWN	Drawn by: E.M.
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.	Date: 16-2-1965 Checked: [Signature] Date: 17.16







PLAN ON LOWER FLOOR



ISOMETRIC DIAGRAM OF WATER SUPPLY.

COLD WATER SUPPLY ————

HOT WATER SUPPLY - - - - -

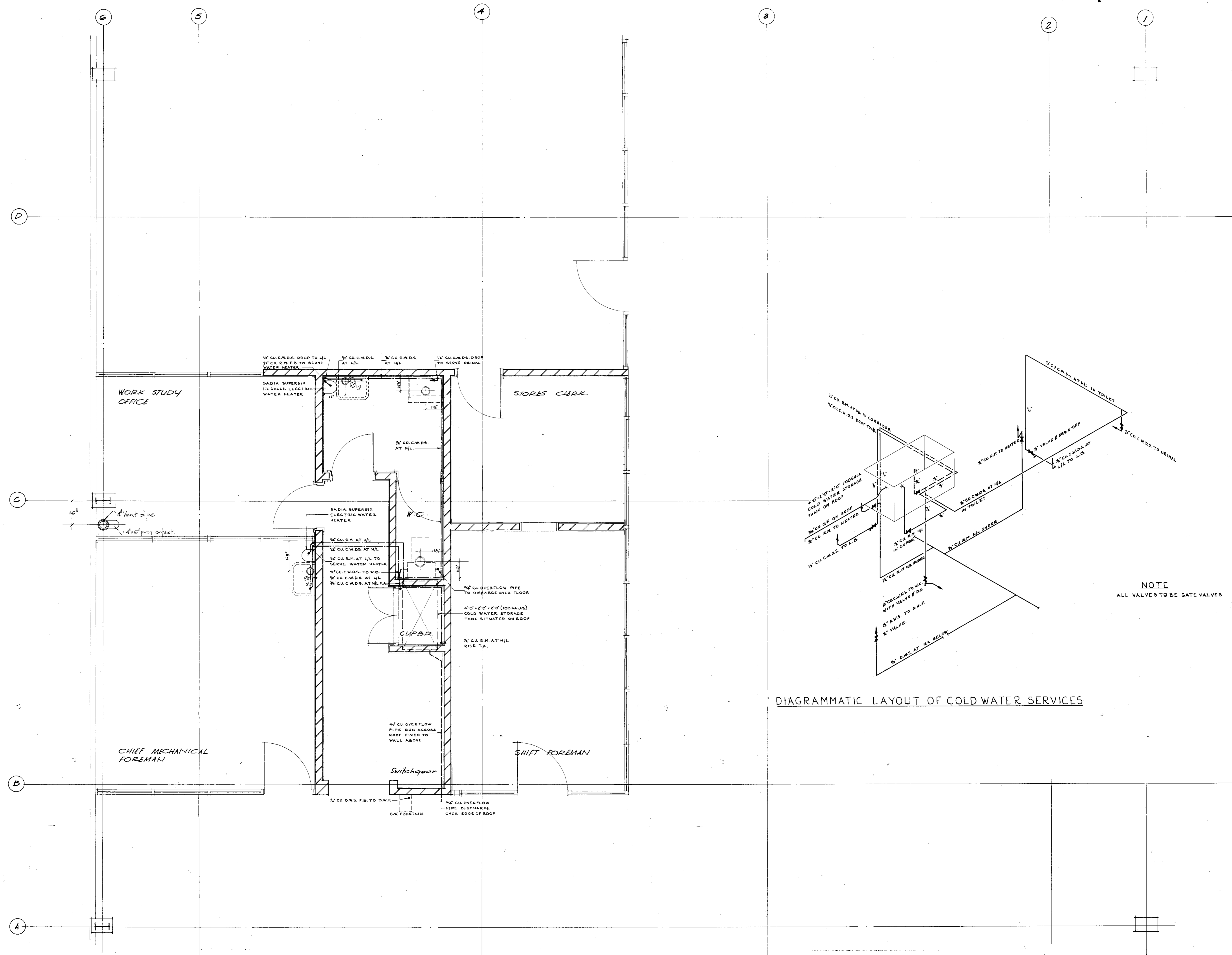
NOTE: THIS DRWG. TO BE READ IN CONJUNCTION WITH DRWG. NO. 2229/16

Revisions	
Date	
Job <b>BRITISH RAILWAYS - IMMINGHAM</b>	
Title <b>REVISION OF WATER SERVICES IN CLEANER &amp; WATER/OIL ANALYSIS ROOM ON LOWER FLOOR</b>	
DRG. NO. <b>2229/26</b> Scale <b>1/2" to 1'-0"</b>	REV. Drawn by <b>pat.</b> Date <b>17-5-66</b> Checked <b>S.F.T.</b> Date <b>11-5-66</b>
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.	

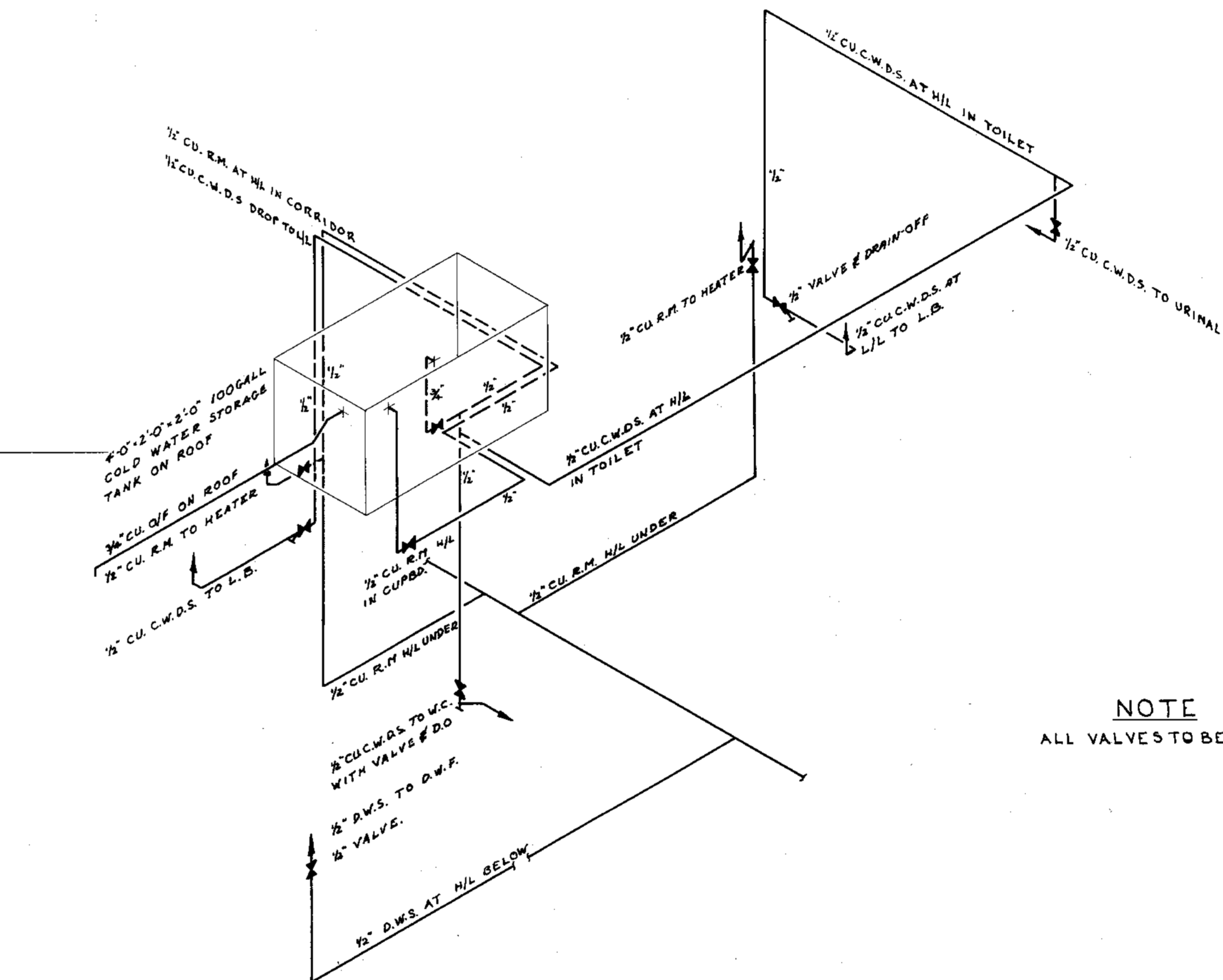
26227

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DIAGRAMMATIC LAYOUT OF COLD WATER SERVICES



NOTE  
ALL VALVES TO BE GATE VALVES

FOR SANITARY FITTINGS SCHEDULE SEE  
DRAWING 2127/22  
FOR ARCHITECTURAL SECTIONS SEE DRAWING  
222/27

26227

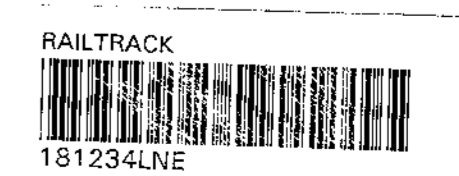
Revisions	
Date	Description
A	29/1/68 COLD WATER SERVICES ADDED

Job **BRITISH RAIL PIVOTAL SERVICES STATION, BIRMINGHAM**

Title  
**PLUMBING DETAILS AT 19.57' LEVEL SHEET 1**

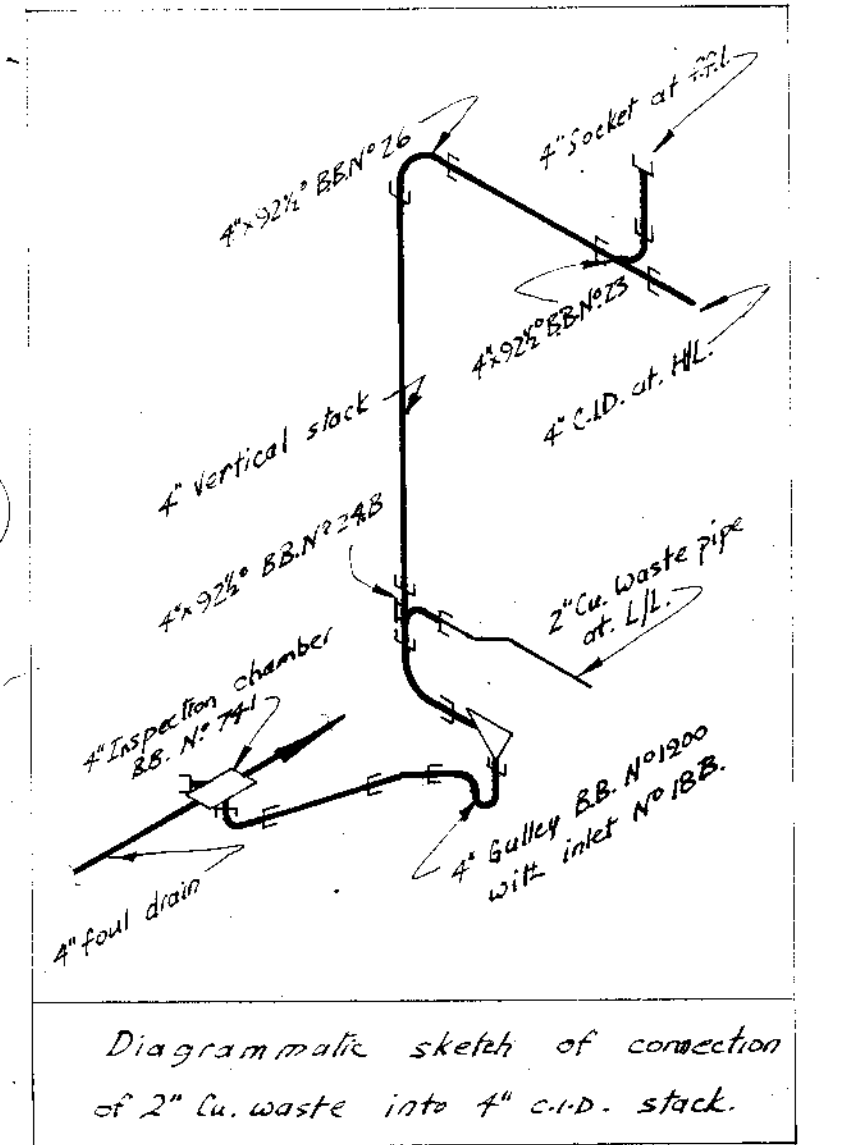
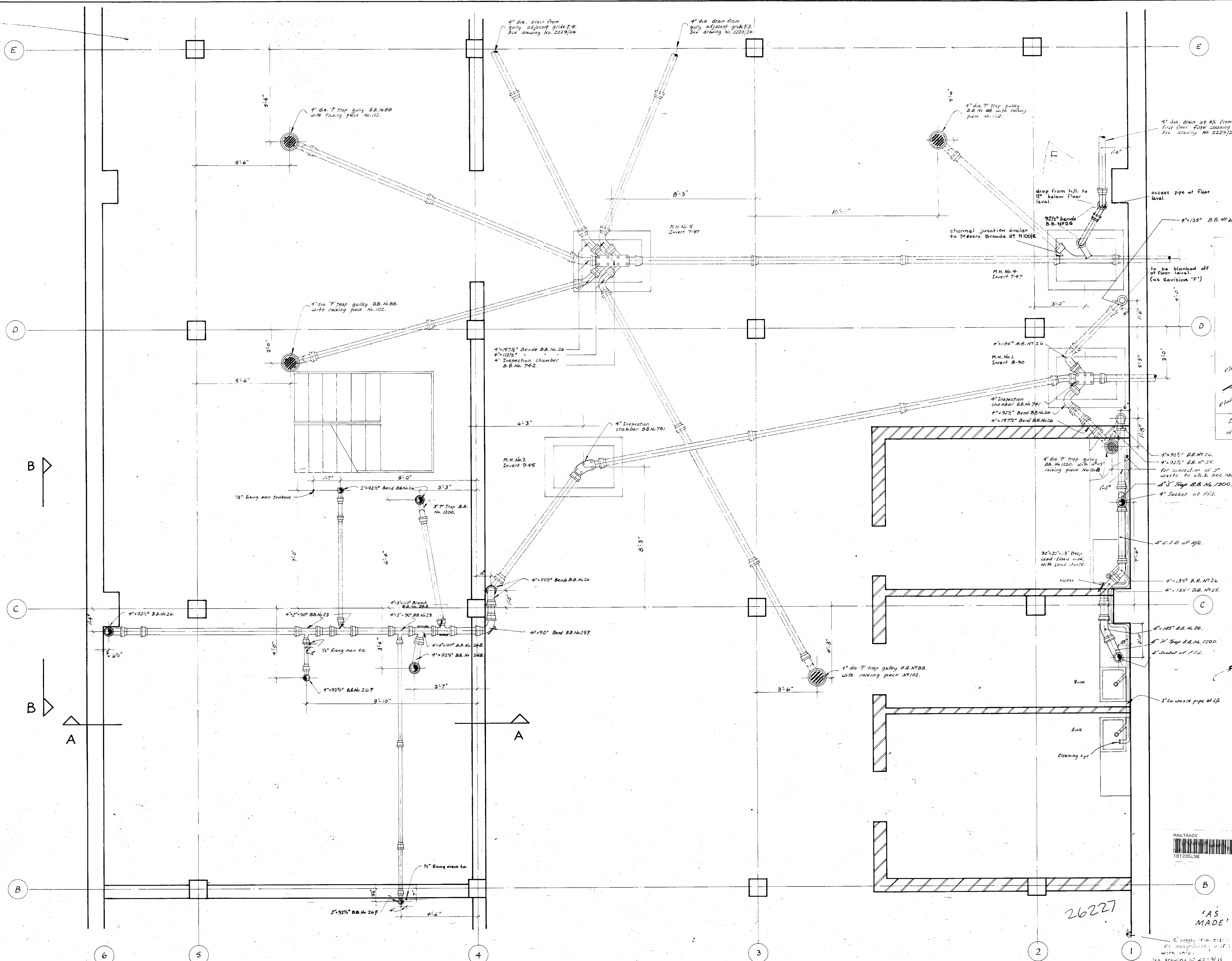
DRG NO <b>2009/20</b>	REV <b>A</b>
Scale <b>1/2" = 1'-0"</b>	Drawn by <b>J.D.B.</b>
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.	Checked by <b>J.M.K.</b>
	Date

'AS MADE'



133





**NOTES**

All drain pipes to be of cast iron to BS. 737, jointed by means of molten lead well caulked onto a gasket base.

All drain fittings to be to BS. 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 BS. 659 except where noted otherwise.

All fittings for copper wastes to be to BS. 264.

All catalogue numbers quoted are from "Bunn Bros. catalogue".

All pipework to be "adequately supported".

**Reference Drawings**

2229/22 1" Drainage Details of Suspended drains to toilets

2229/23 1/2" Drainage Details of filter cleaning area

2229/24 3/4" Drainage phi grids Atch. 1166

Revisions	
Date	Description
F	Inspection chamber removed from M.H. No. 4 and stagnation junction removed. added additional revision.
E	4" dia. trap gully B.S. No. 1200, 4" dia. trap gully B.S. No. 1200, 4" dia. trap gully B.S. No. 1200, 4" dia. trap gully B.S. No. 1200.
C	M.H. No. 2 & pipework omitted.
B	Completely redrawn, Drainage Revised.

Job  
BRITISH RAILWAYS - IMMINGHAM.

Title  
**DETAIL PLAN AT 11-07 LEVEL**  
SHOWING SUSPENDED & UNDERGROUND DRAINAGE

Dwg No. 2229/21  
29 WE 337

Scale 1/2" = 1 foot

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

REV F  
Drawn by R.S.F.  
Date 29/9/65  
Checked S.F.T.  
Date 11/10/65

26227

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133



Schedule of Sanitary Fittings in Toilet Area	
1 No	Twyford's No 738 W.C. pan with plate inlet. Shallow low level type cistern, solid black plastic seat with c.p. fittings and porcelain enamelled flush pipe.
2 No	Twyford's No 2662 lav basin 20" x 16" with Messrs Barking Brassware 1/2" No 107 Hife taps, 1/4" No 820 c.p. goblet waste and 1/4" No 810 c.p. bottle trap.
1 No	Johnsons No 501 24" Urinal of all white glazed with black "Vilved" heads, Fireclay cistern and c.p. spreader pipe.
1 No	Twyford's No 24732 DRINKING FOUNTAIN 12 1/2" x 12 1/2" WITH No 1887 SELF-CLOSING NON-CONDUCTIVE TAP WITH PRESSURE REGULATING VALVE AND LIP GUARD, ALSO No 1893 SPUD OUTLET 3/4", No 1880 WALL HANGER

NOTES

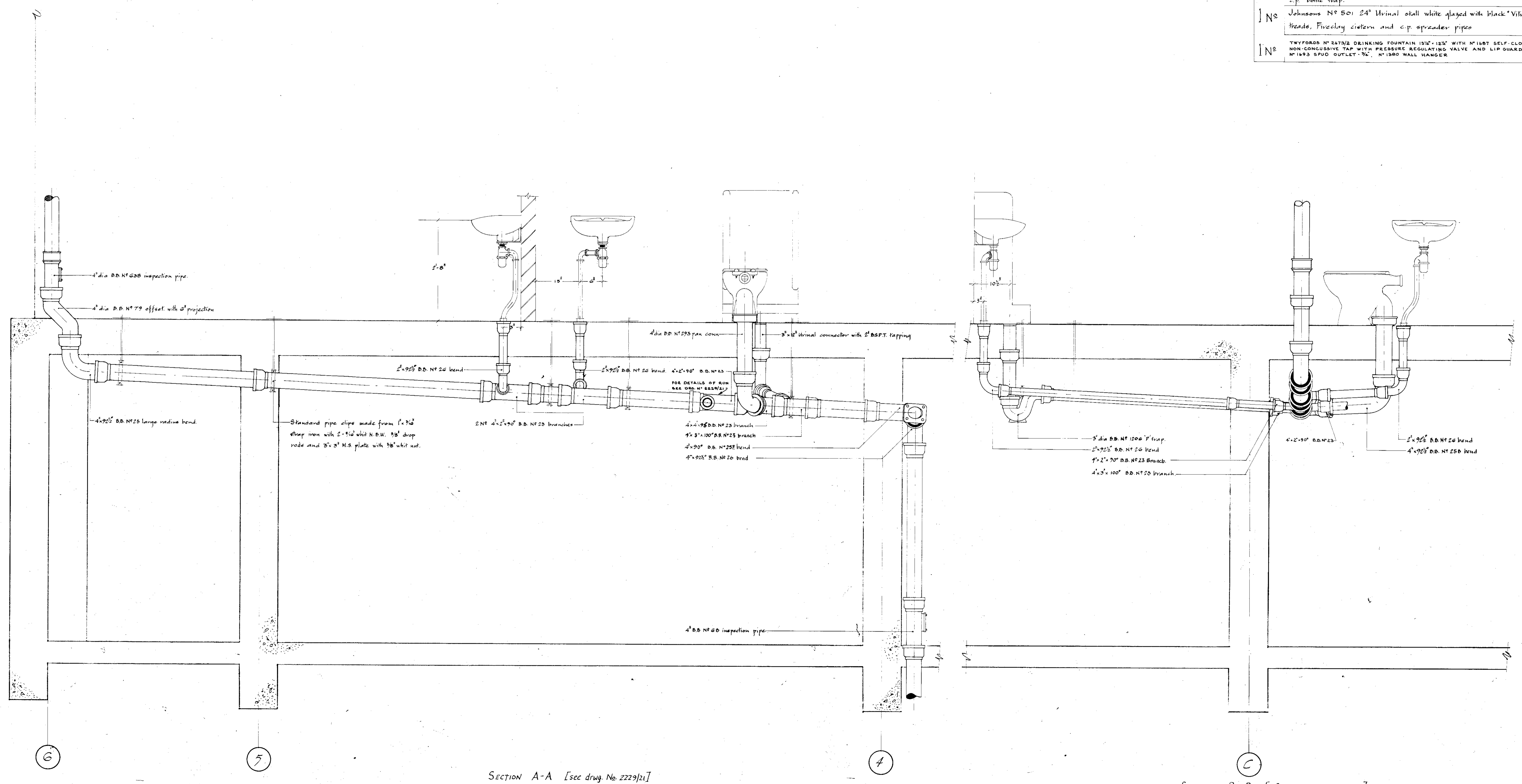
All drain pipes to be of cast iron to B.S. 437, jointed by means of mastic lead well caulked onto a gasket base.  
 All drain fittings to be to B.S. 1130 jointed as described.  
 All drain pipes below basement slab to be encased in concrete, 6" thick.  
 All pipes suspended from ceilings to be supported by purpose made hangers.  
 All waste pipes to be of copper tube to B.S. 659 with fittings to B.S. 304.  
 All pipe work to be adequately supported.  
 All catalogue Nos are from Buw's Bros. Catalogue except where noted.

REFERENCE DRAWINGS:  
 2229/21 1/2" Drainage details grids B to E, 1946.  
 2229/23 3/4" Drainage detail grids E to H, 1946.  
 2229/24 1/4" Drainage plan grids A to H, 1946.

Revisions	
A	29.145 4"-2" BRANCH IN W/L DRAIN ADDED
B	4.104 W/L Drainage connection to W/L drainage at back of house added

Job: British Railways, Birmingham.  
 Title: Details of Suspended Drainage to Toilet Area.

DWG No	2229/22	REV	B
Scale	1" to 1'-0"	Drawn by	J.D.B.
George Wimpey & Co., Ltd.		Date	18/6/65
Hammermith Grove, London, W.6.		Checked	J.P.
		Date	18/6/65



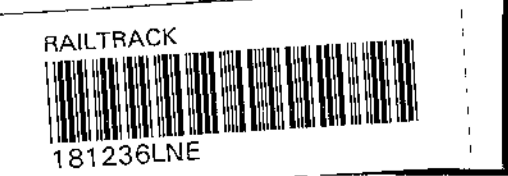
SECTION A-A [See draw. No. 2229/21]

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

This drawing to be read in conjunction with drawing No. 2229/20/21.

26227

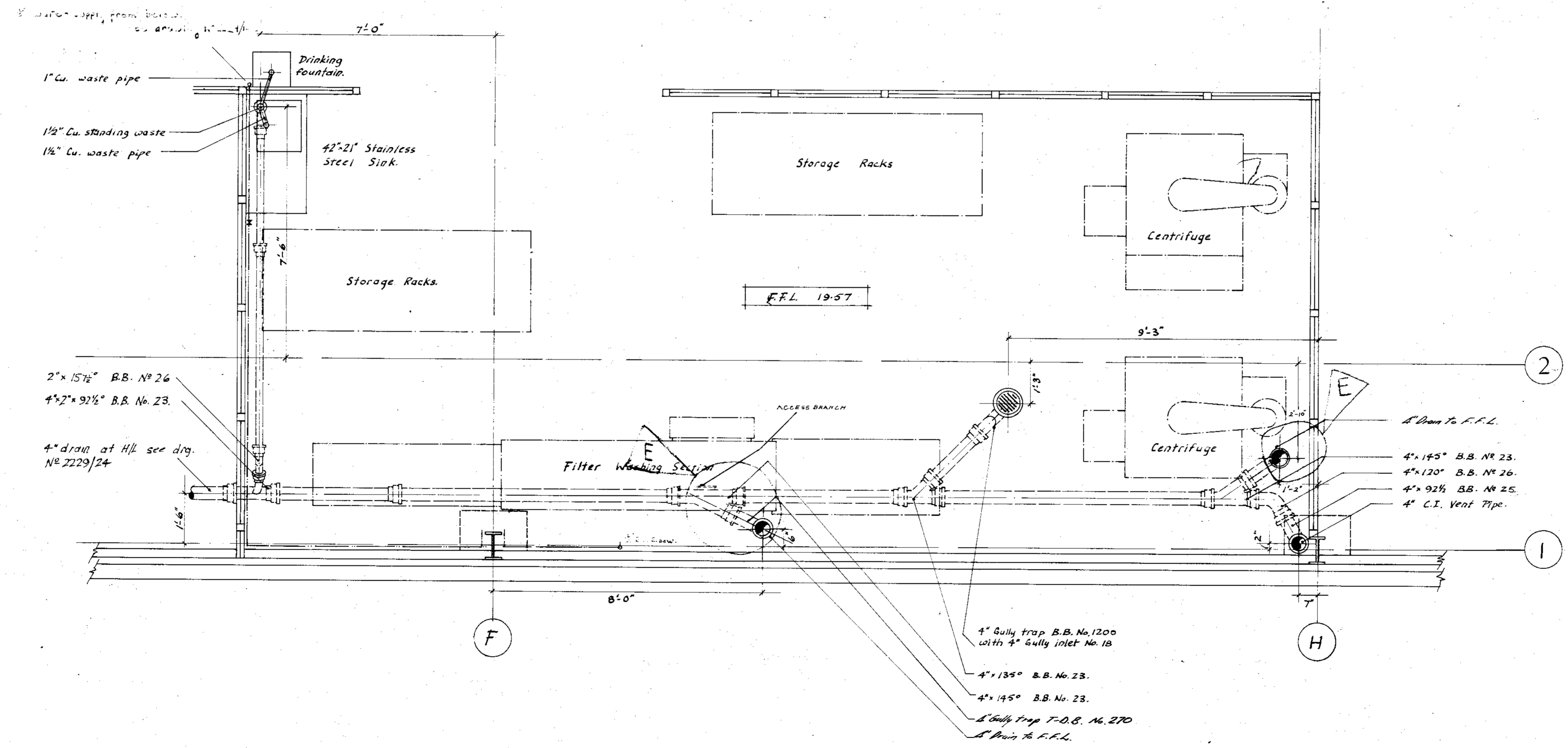
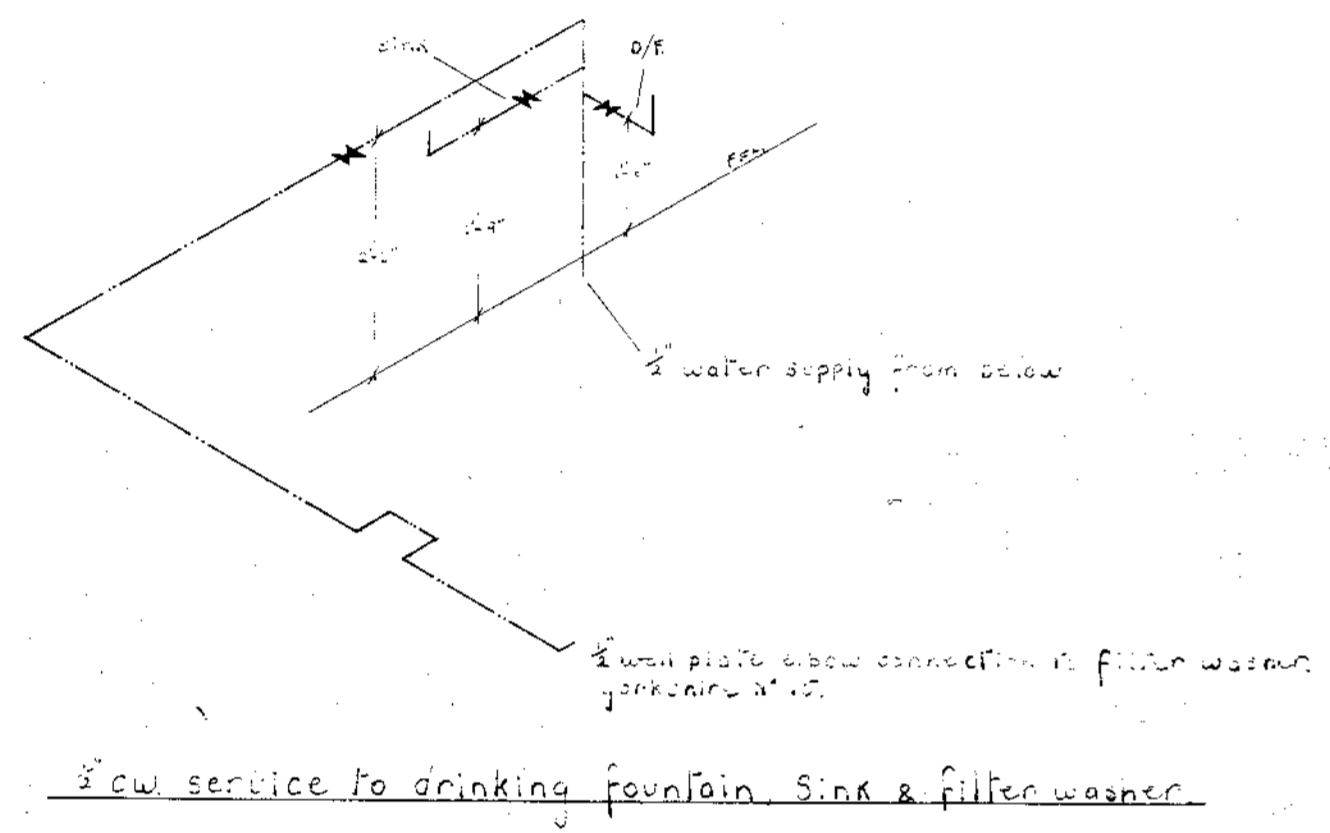
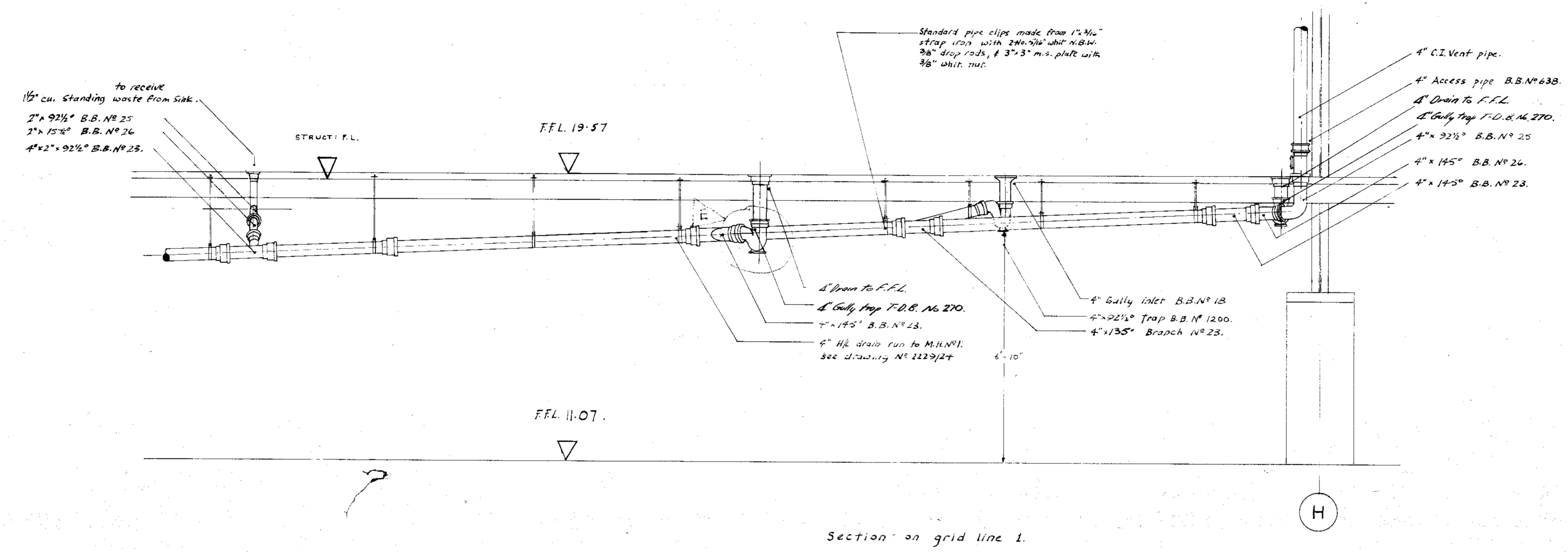
'AS MADE'





NOTES

All drain pipes to be of cast iron to B.S. 437, jointed by means of molten lead well caulked onto a gasket 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 BS 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. Specially for Pipe brackets to be York Single Ring clips N° 107 with York screws on outside N° 111.



REFERENCE DRAWINGS

2229/24	1/2" Drainage plan, grids A to H, & 1 to 6.
2229/21	1/2" Detail plan of drainage grids B to E, & 1 to 6.

Revisions

Date	Description
A 6.10.65	Completely Redrawn, H/L drain amended.
B 8.10.65	2" H/L drain run amended.
C 10.10.65	1/2" cold water service added to filter washers.
D 10.10.65	SUSPENDED BRANCH RAISE COMPLETELY APPROX 5" ALSO ACCESS BRANCH RAISED
E 10.10.65	DRAIN TRAPS ADDED IN PLACE OF BRANCHES

Job British Railways - Immingham.

Title PLUMBING LAYOUT FILTER CLEANING AREA

DRG. No. 2229/23  
 69-WF-339

REV. E

Scale 1/2" to 1 foot. Drawn by K.F.

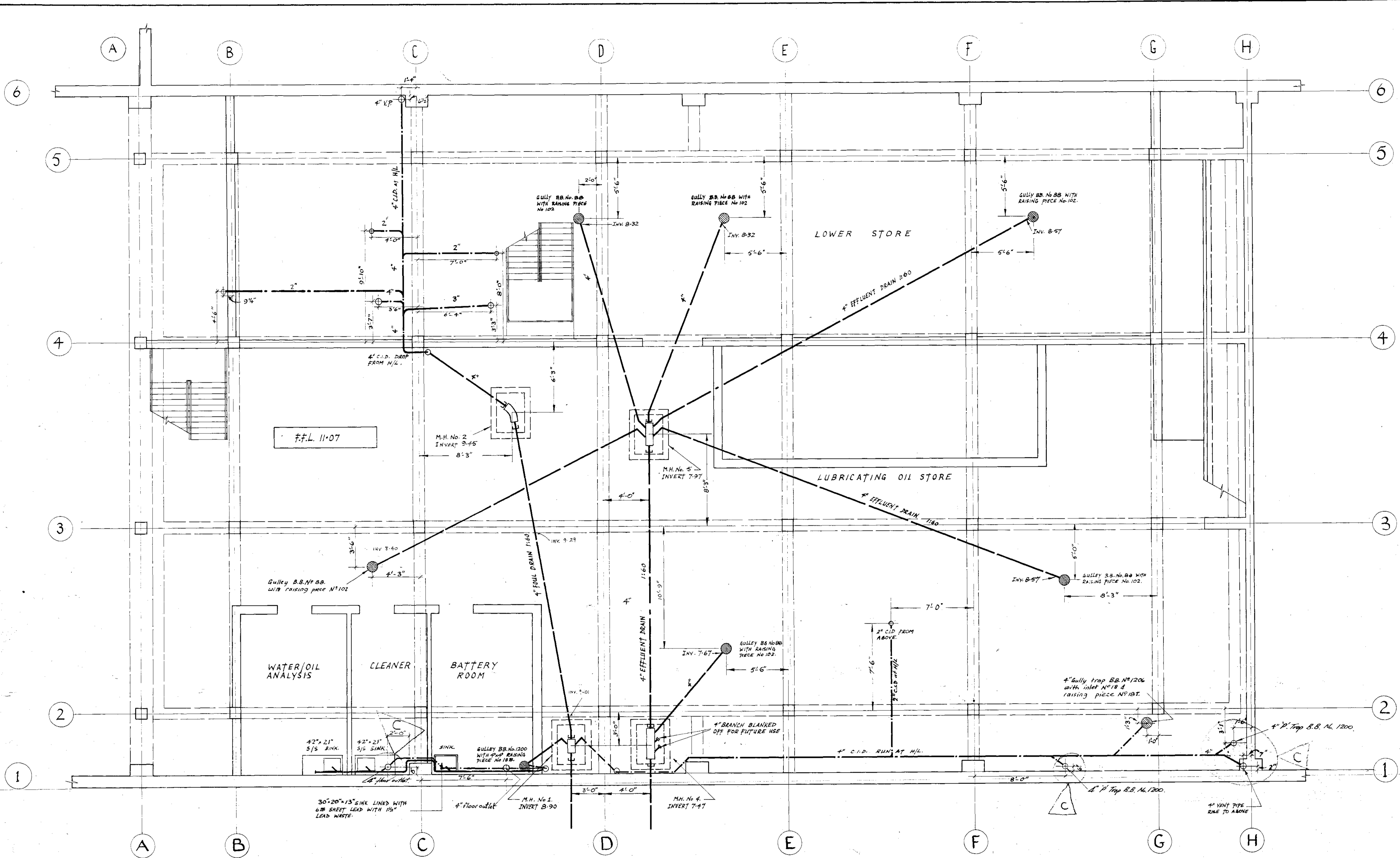
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6. Date 6.10.65. Checked S.F.T. Date 11/10/65.

26227

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

- NOTES
- 1) ALL DRAIN PIPES TO BE OF CAST IRON TO BS 437 JOINTED BY MEANS OF HOJSEN LEAD WELL CAULKED ONTO A GASKIN BASE.
  - 2) ALL DRAIN FITTINGS TO BE TO BS 1180, 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.

Revisions	
Date	Description
24/1/66	4" CI TRAPS ADDED IN PLACE OF BENDS GRID LINE I, G+P & GRID LINE H, 1 & 2
25/1/66	M.F. N°3 OMITTED 2" HD drain replaced with 1" HD drain
1/2/66	WOODS FROM DEPRESSIONS & WORKING BENCH ADDED. M.H. N°4 OMITTED

Job BRITISH RAILWAYS - IMMINGHAM.

Title LUBRICATING OIL & LOWER STORES FOUL & EFFLUENT DRAINAGE

DRG. NO. 2229/24  
69-WE-340

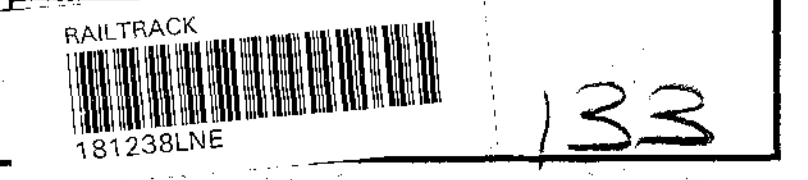
Scale 1/4" = 1'-0"

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

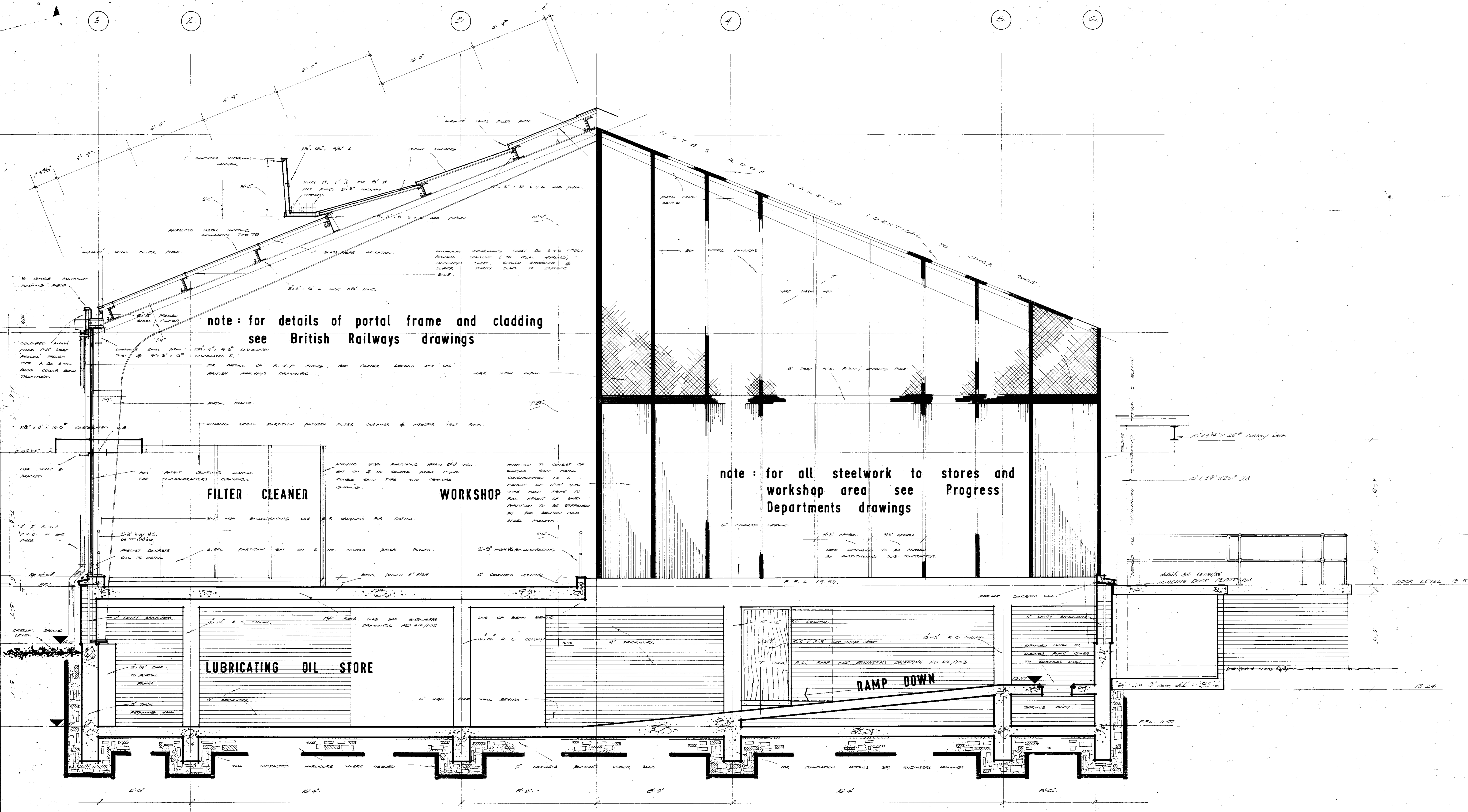
REV. C  
Drawn by 1577  
Date 14.9.65  
Checked 5/57  
Date 14.9.65

26227

'AS MADE'







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

FOR CONSTRUCTION	
Revisions	
A	3-6-66 Height of bracing amended
B	2-8-68 Oil traps also added. See note 15
C	1-12-68 Right hand ramp now replaced. See note 15
Job BRITISH RAILWAYS	
Title HALF INCH SECTION	
DRG NO. 2229/34	REV 1
Scale 1/2" = 1'-0"	Drawn by G.W.
George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6.	Date 30/1/68
	Checked
	Date
	CON
	133

26227

AS MADE



HL-344-D52

DRAWING NUMBER

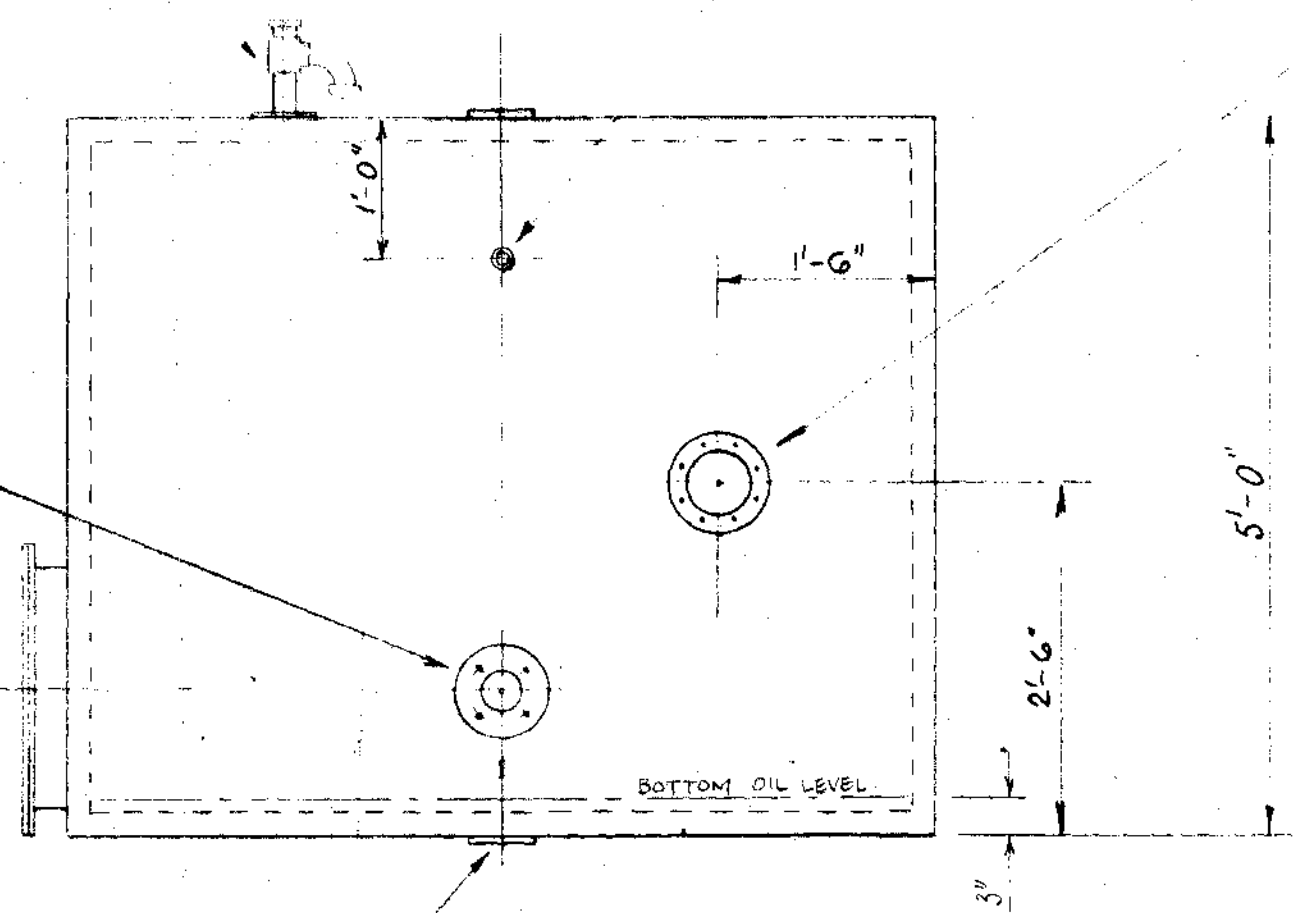
CONTRACT DRAWING N° 107

PAD FOR CONTENTS GAUGE OF  
MESSRS BAYHAM LTD MANUFACTURE  
SEE DETAIL.

AIR VENT PIPE

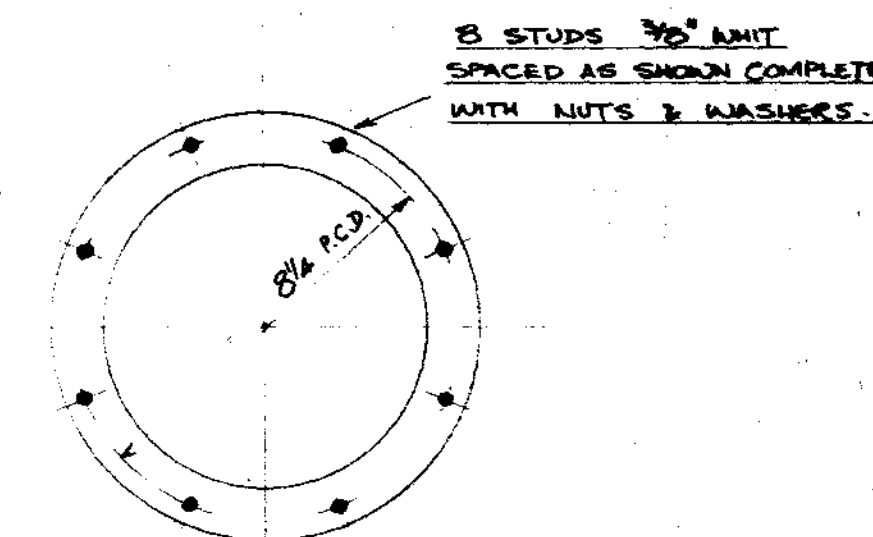
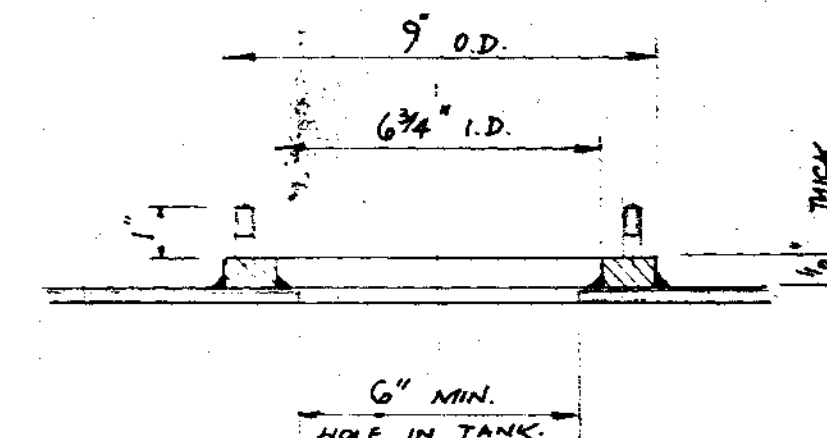
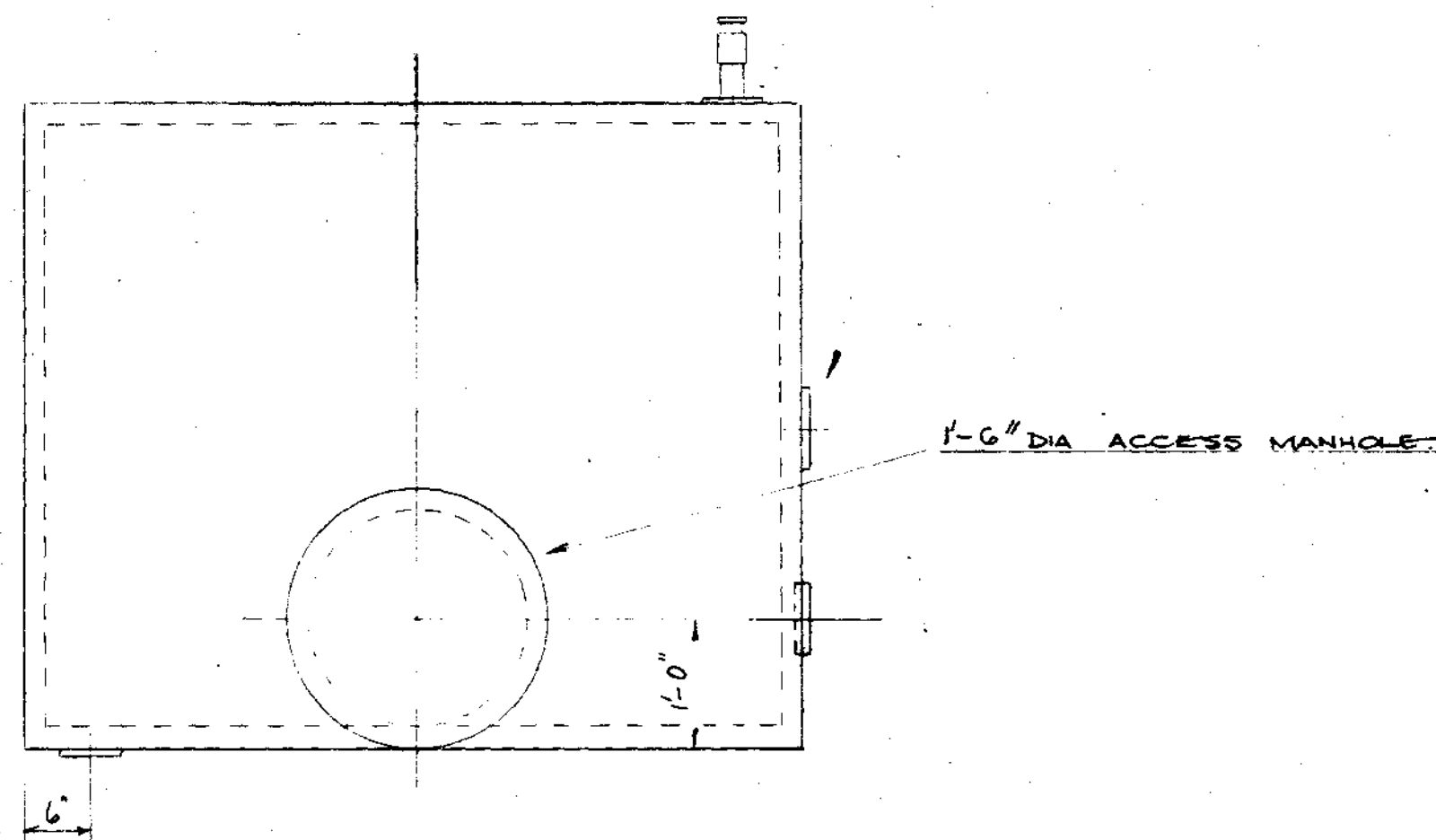
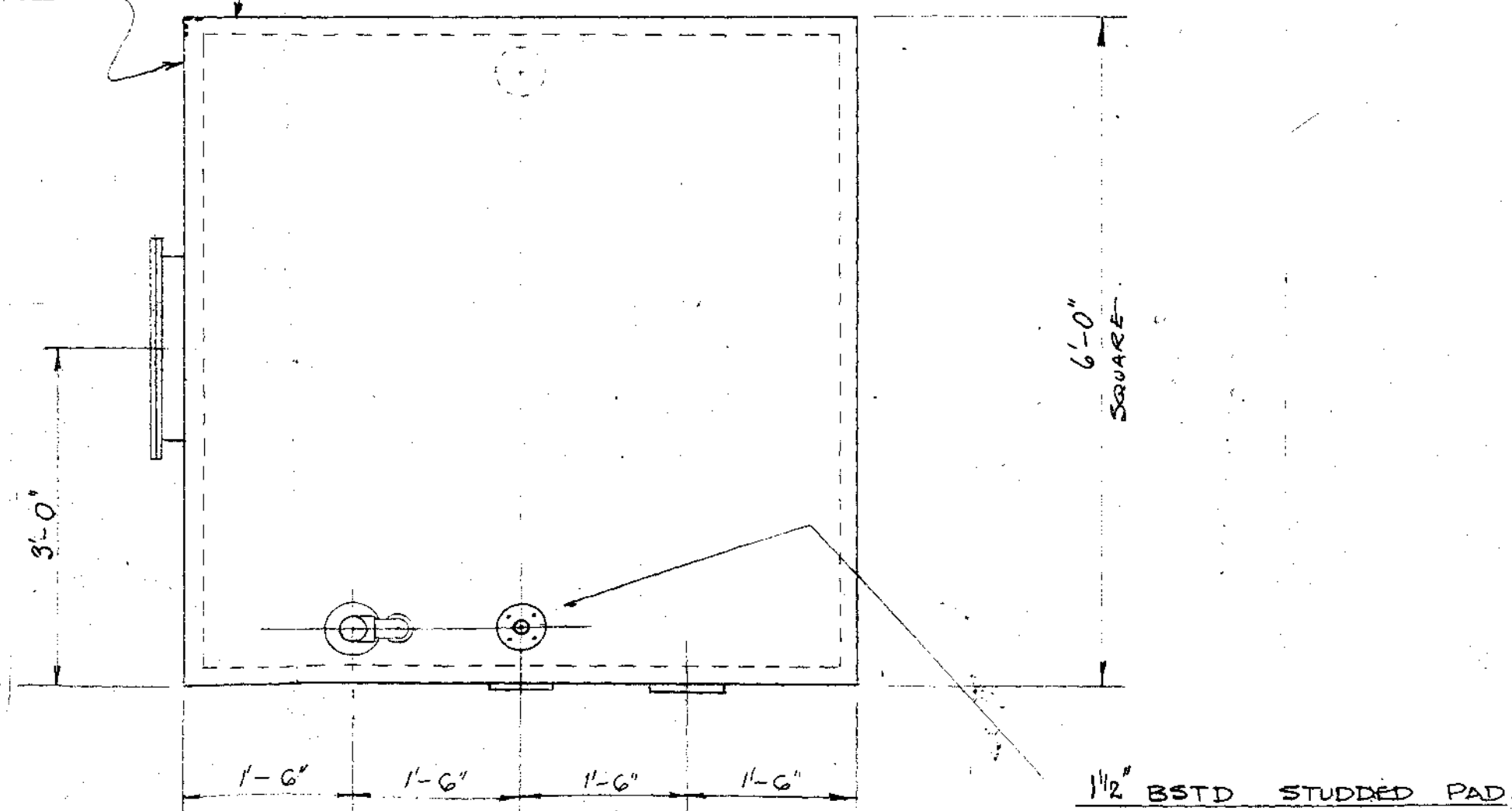
3/8" BSPT HALF SOCKET  
WELDED TO TANK.  
NO HOLE REQD IN TANK.

1 1/2" BSTD DOUBLE FACED  
STUDDED PAD.



1 1/2" BSTD STUDDED PAD

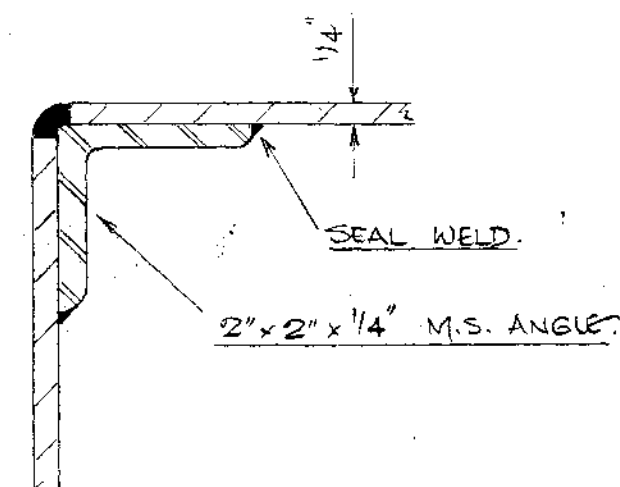
BOX SECTION FRAME FORMED  
WITH 2" x 2" x 1/4" M.S. ANGLE



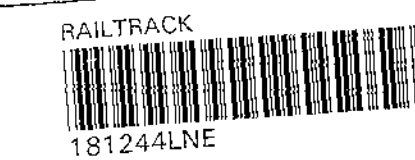
DETAIL OF PAD FOR GAUGE.

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



FOR CONSTRUCTION

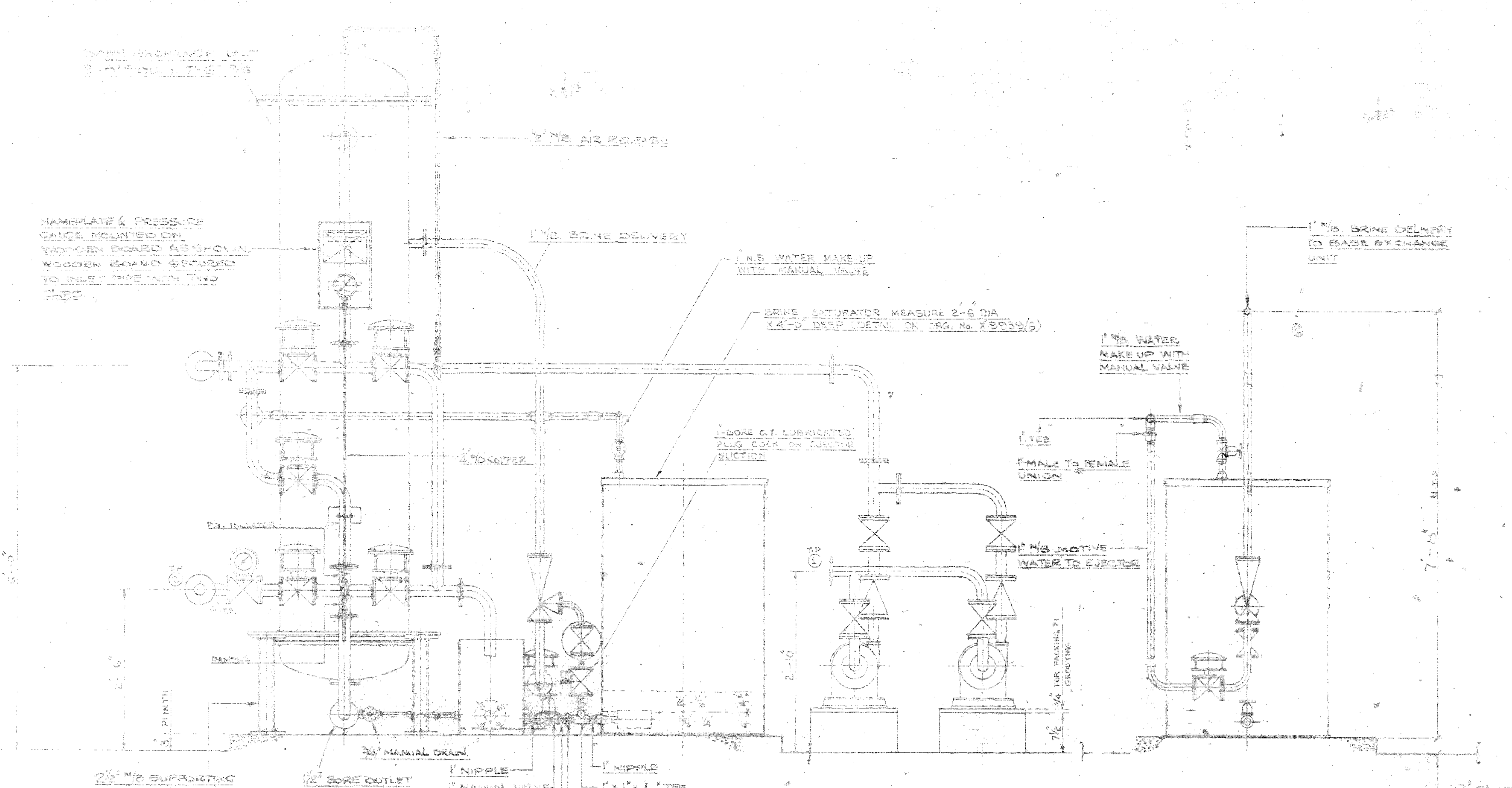
SOCKET ADDED. PAD SIZE ALTERED	Rep	10.8.55	1
DRAWING FINALISED	Rep A.C.	17.5.55	1
REVISION	DRN	CH'D	DRN
CLIENT :	BRITISH RAILWAYS BOARD (EASTERN REGION)		

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

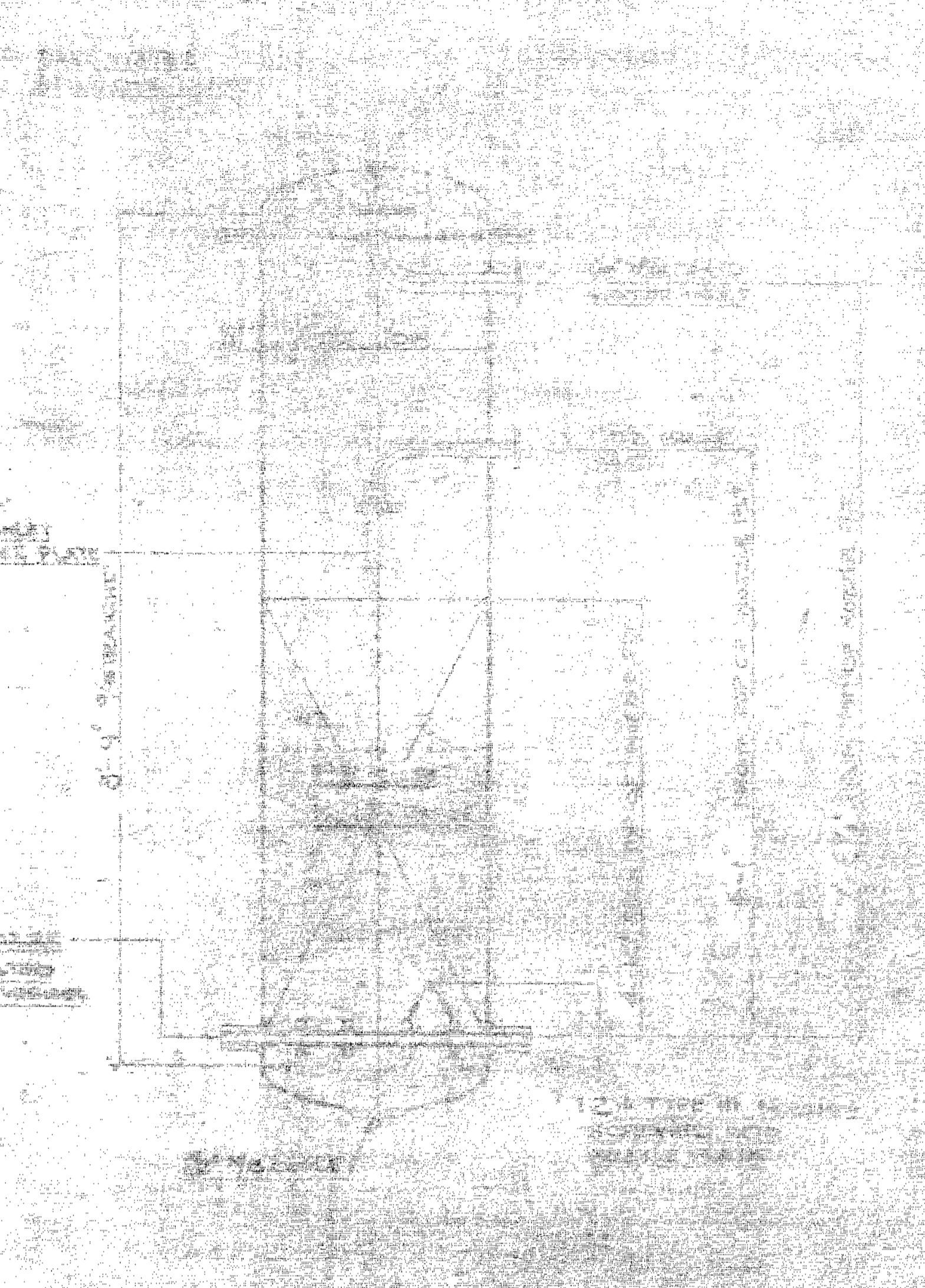




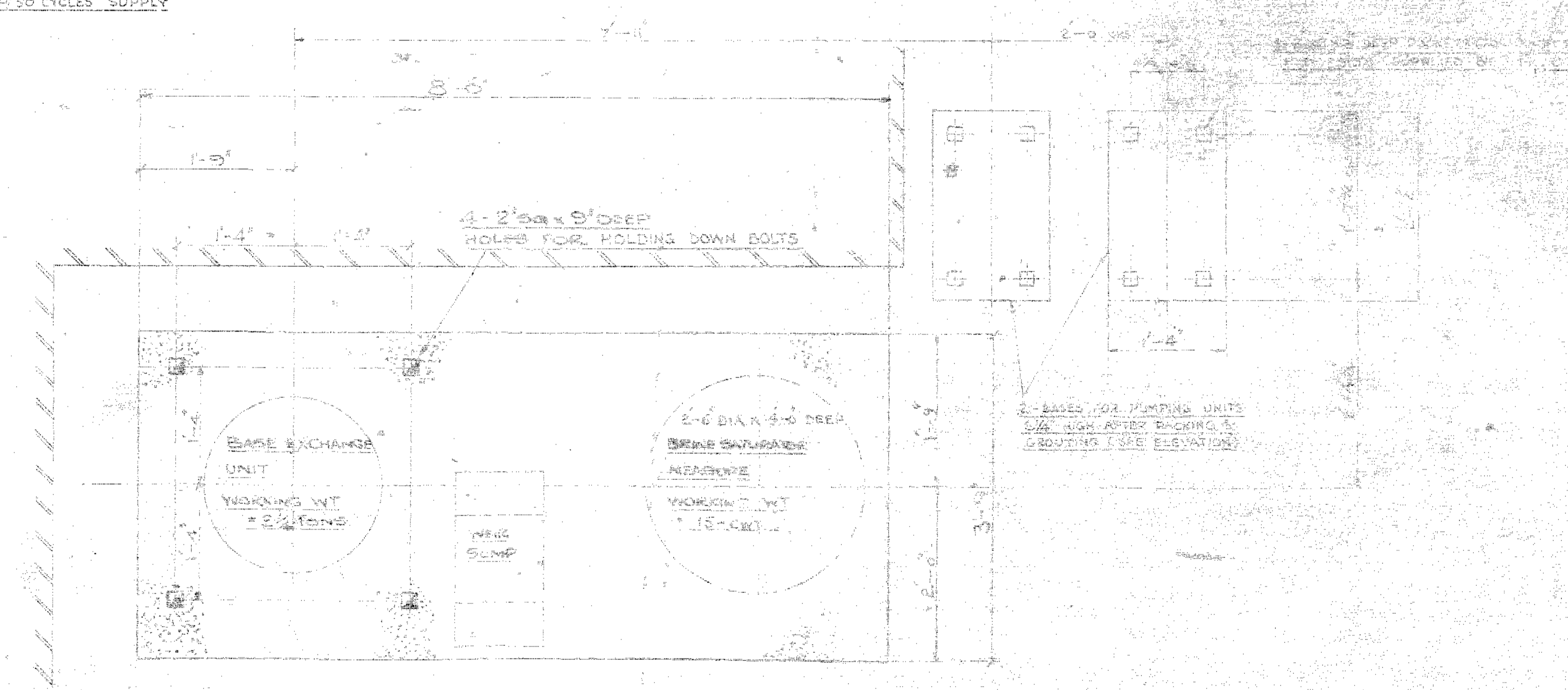
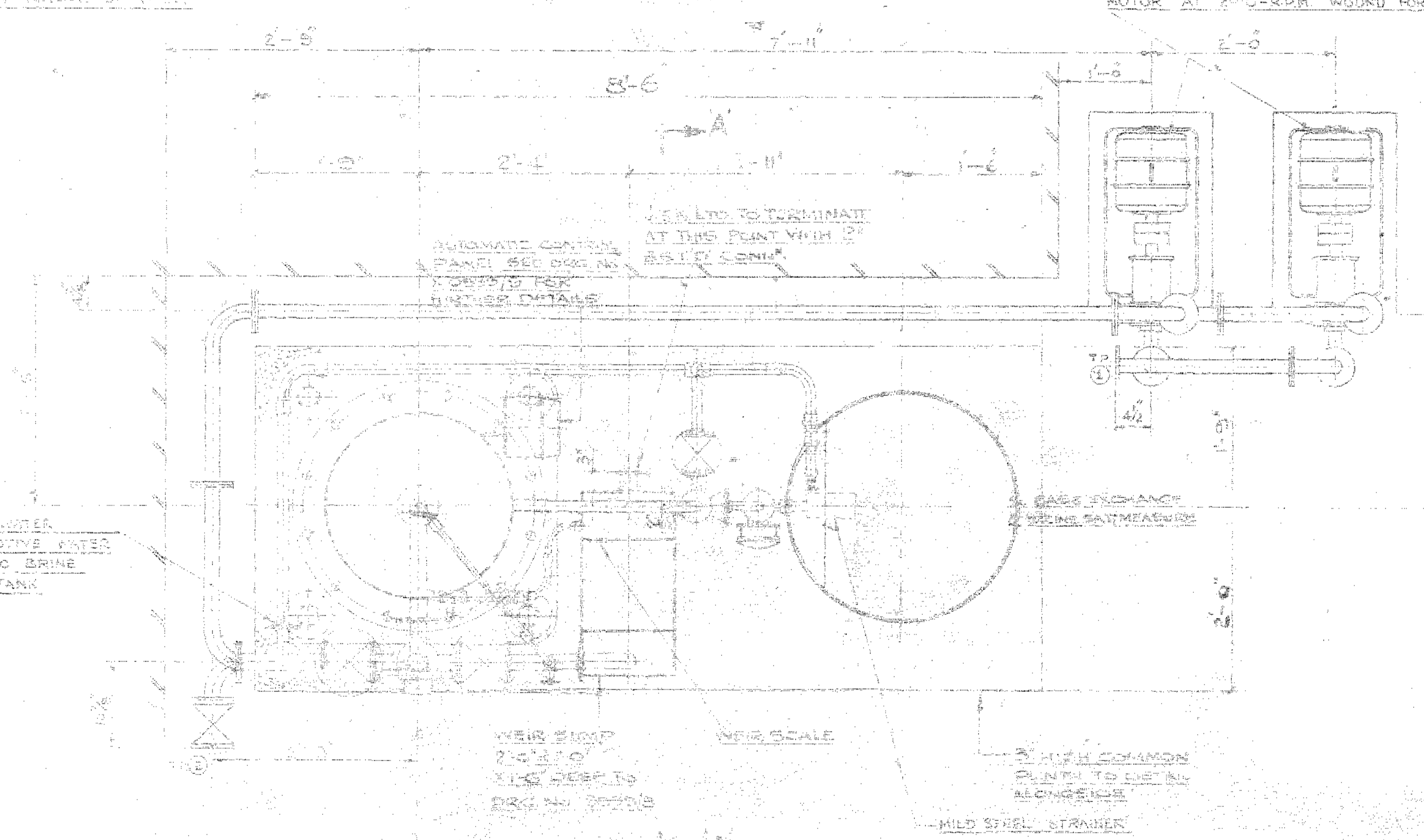
ELEVATION

NOTE: DEPTH OF PLINTH DIMENSIONS TO BE DETERMINED BY NATURE OF SOIL

2 CENTRIFUGAL PUMPING UNITS (ONE WORKING ONE STAND-BY) CAPACITY EACH 1000 GPM OF WATER AGAINST A TOTAL HEAD OF 100 FEET DRIVEN BY 2 H.P. (EACH) ENGLISH ELECTRIC MOTOR AT 2800 RPM WOUND FOR 415 VOLTS 50 CYCLES SUPPLY



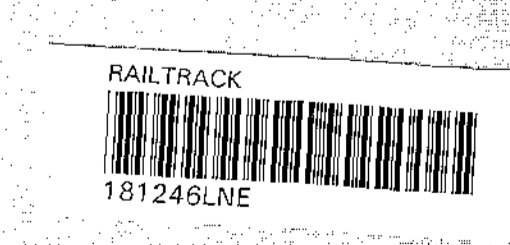
SECTION THROUGH BASE EXCHANGE UNIT



DETAIL OF 3" HIGH COMMON PLINTH FOR VESSELS & BASES FOR PUMPING UNITS

THE ORIGINAL PUMP UNITS CONNECT TO ONE MAIN WATER SUPPLY WITH AIR TO FLANGE DELIVERY OF 1/2\"/>

IM 6/317





KEY PLOT PLAN

REFERENCE DRAWINGS

GENERAL NOTES

1. VALVES TO BE TAGGED + MULREX 1, ETC.

ORIGINAL ISSUE									
REVISION									

CLIENT - BRITISH RAILWAYS BOARD (EASTERN REGION)

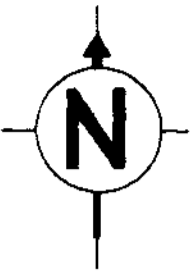
IMMINGHAM DIESEL SERVICING DEPOT.  
MULREX FLOW DIAGRAM.

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

SCALE	DRAWING NUMBER	ISSUE
	GL-344-A76	○

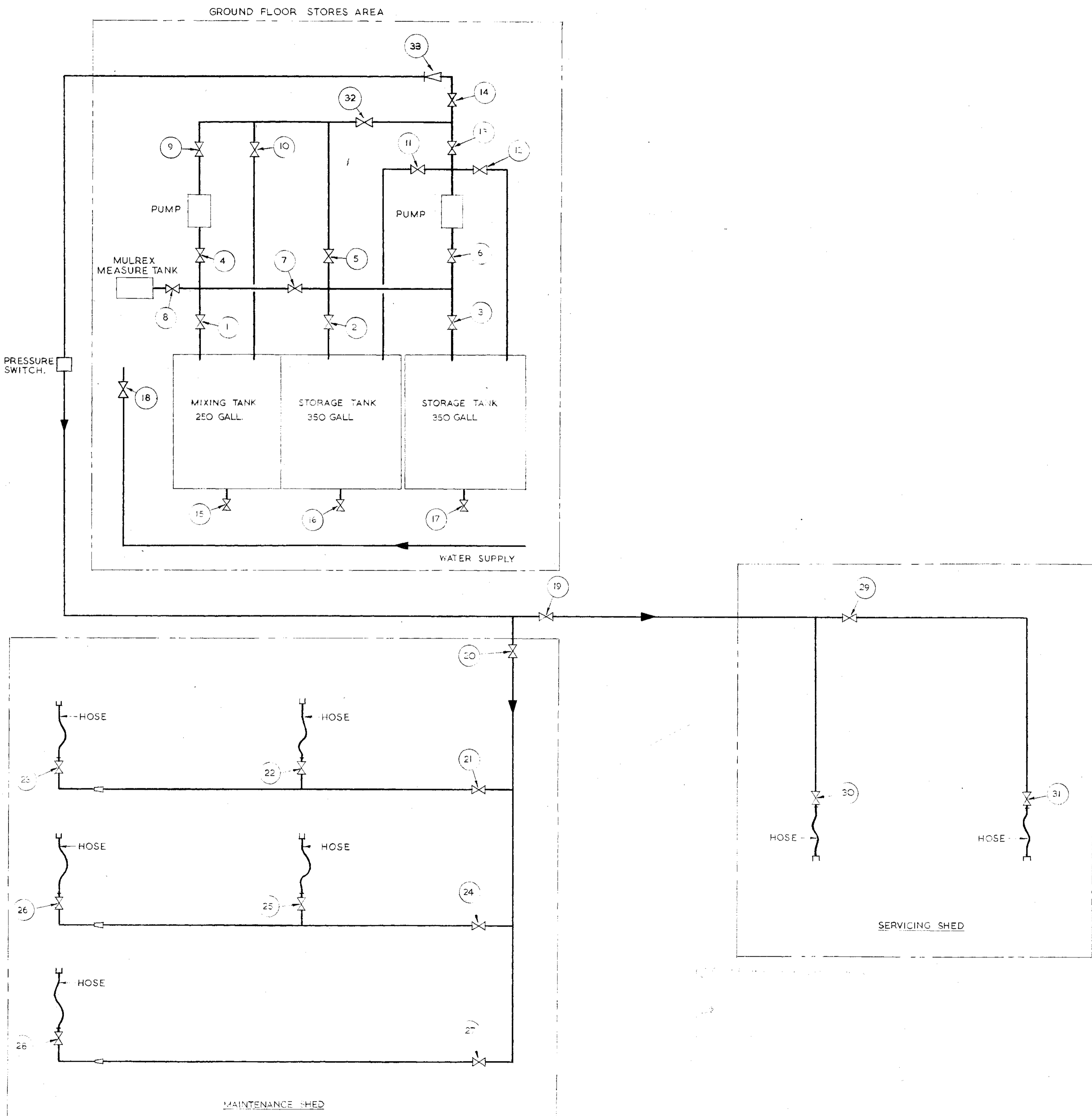
40 x 27 OVERALL

DRAWING NUMBER



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.	DISCHARGE TO DISPENSERS
15	"	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

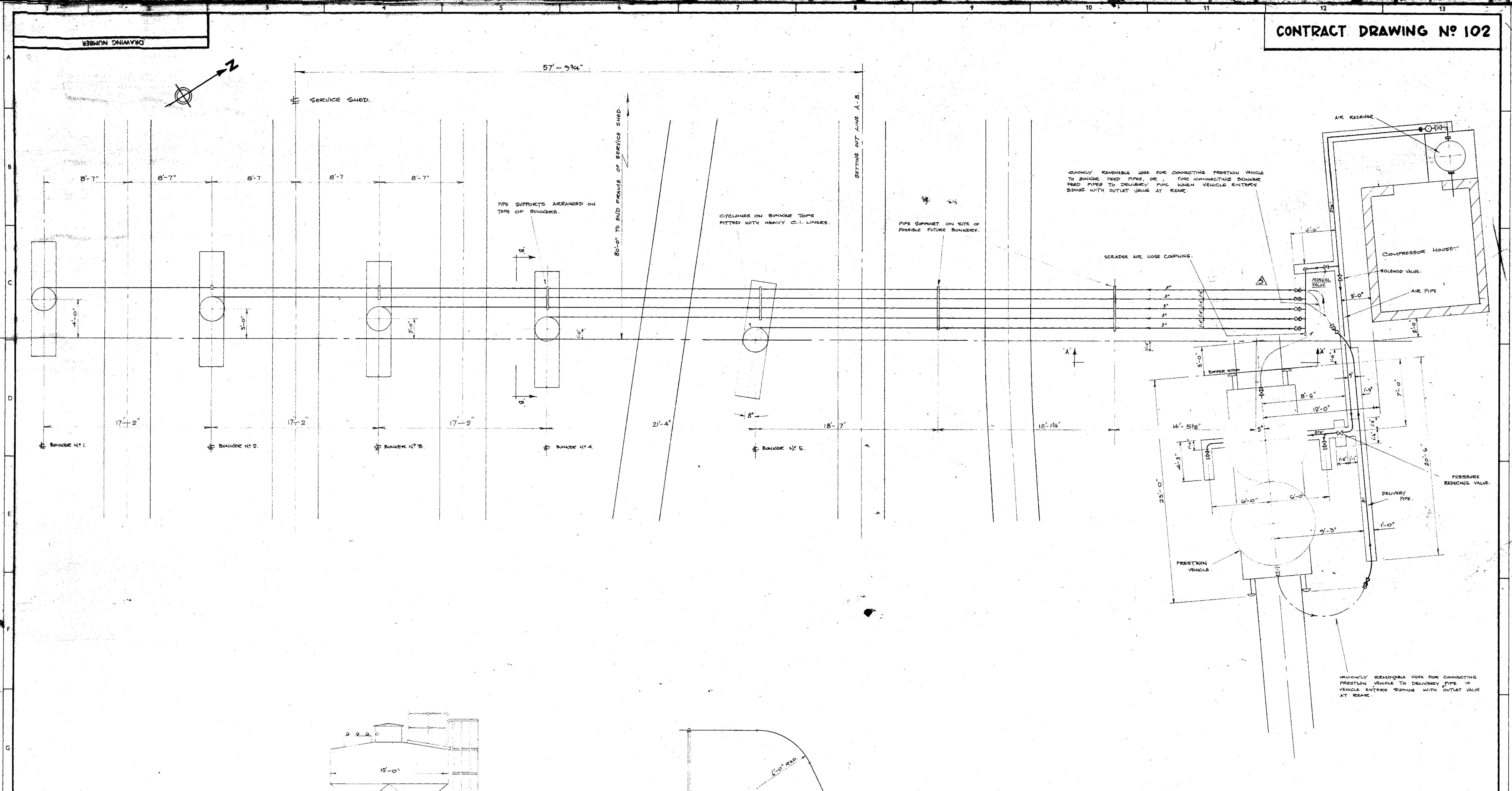
LEGEND:-  
I.V. ISOLATING VALVE  
N.R.V. NON RETURN VALVE



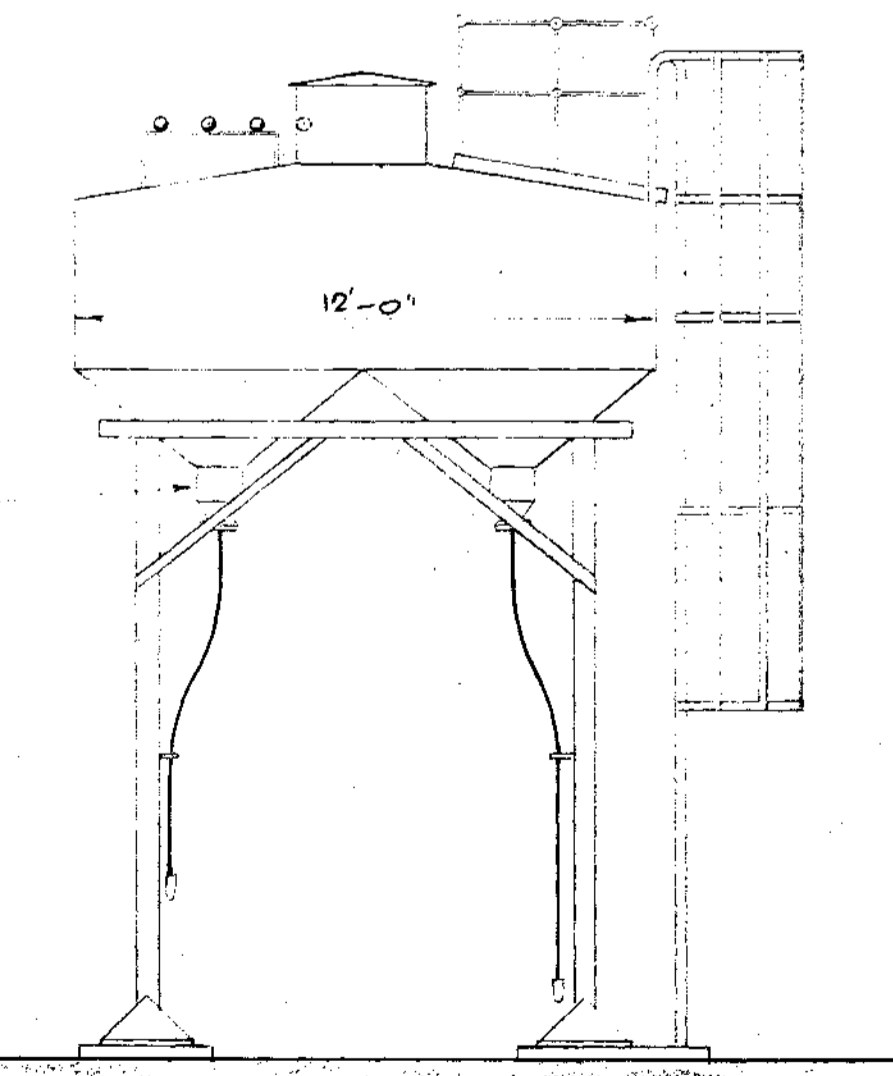
26244

**FOR CONSTRUCTION**



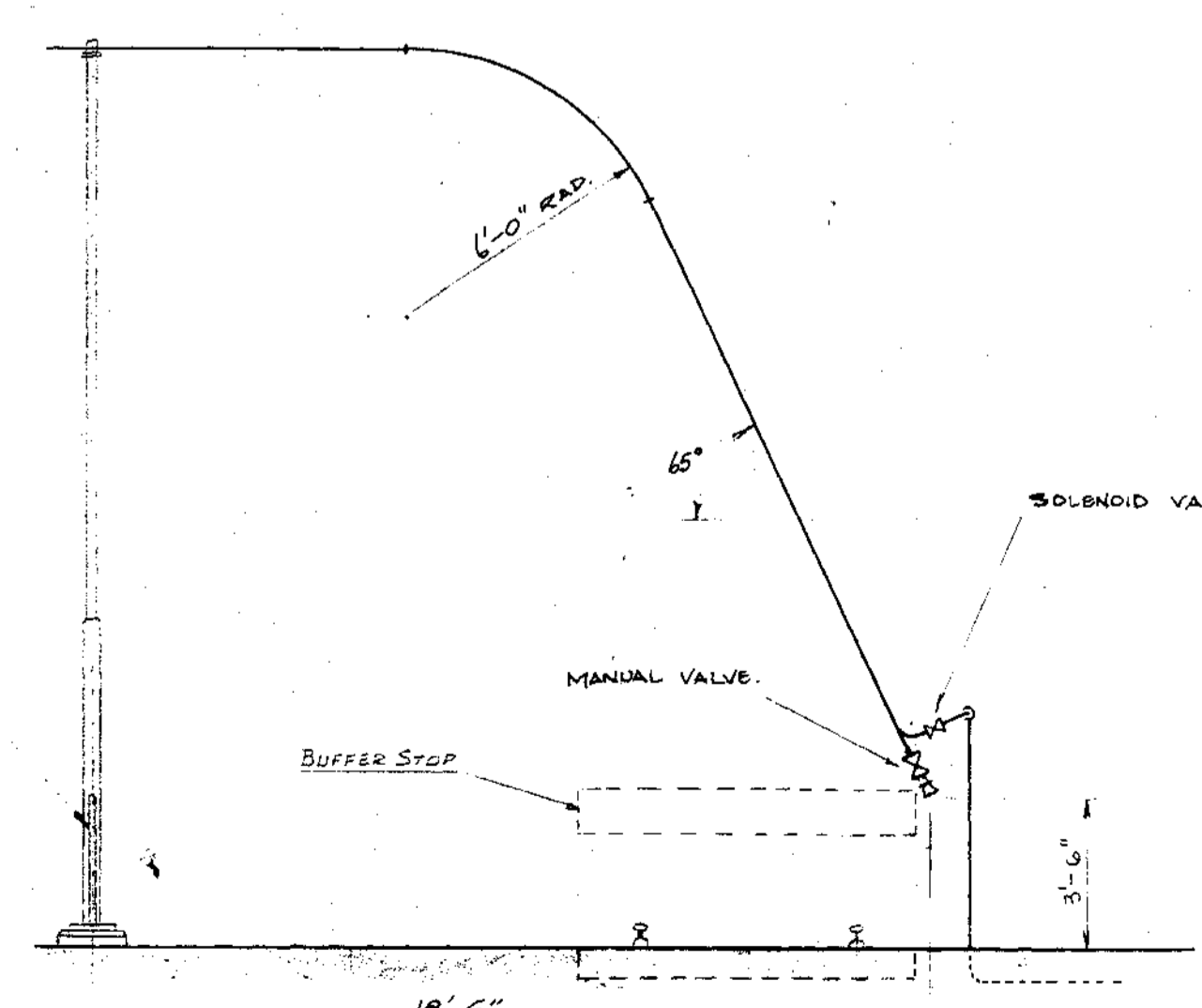


ROTARY BARREL VALVES ON BUNKER OUTLETS.



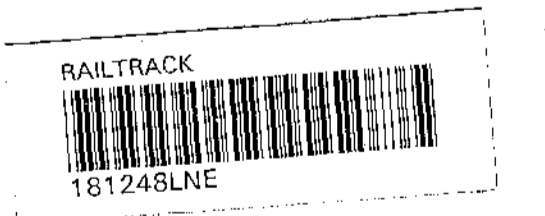
VIEW ON ARROW 'B-B'

TWO GUSSET PLATES ONLY REQUIRED ON SUPPORT. LOCATED AS SHOWN.



VIEW ON ARROW 'A-A'

26244



OWN TO AIR RECEIVER & TRENCH ROOF	PC	15-9-66
COMPRESSOR HOUSE		
DELIVERY PIPES NEEDED TO CLEAR		4-1-66
BUFFER STOPS		2-12-65
REDRAWN		
REVISION	DRN/CHD/C/DM/ENG/CLT/ DATE	ISS.

CLIENT - BRITISH RAILWAYS BOARD (EASTERN REGION)

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

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

SCALE	DRAWING NUMBER	ISSUE
1/4" = 1'-0"	GL-344-A42	6