

DRAWN: P.P.C.					DIMENSIONED DIAGRAM OF TRAIN FORMATIONS.					L.T.E. C.M.E.S. OFFICE. DRAWING NO. 43278				
TRACED: B.C.P.										DATE: 5.12.61				
CHECKED: P.P.R.										TRACED: 2.10.61				
APPROVED:										TIME STOCK: CLASS OF STOCK: MODIFICATIONS: SCALE: 1"				
DRAWER NO. 64/7														
DESCRIPTION	MATERIAL	ORG. No.	NO. OF STOCK	REMARKS										

Transport for London
London Underground
MAYOR OF LONDON

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NOTE:
DIMENSIONED DIAGRAM OF
SURFACE STOCK TRAIN
FORMATIONS
DRAWING No. 43292

N.M.G.

N.M.G.

SECTION A-A

51'-2 3/8"
OVER HEADSTOCKS

SOLEBAR STIFFENER STRIP

41750
18

SOLEBAR STIFFENER STRIP

41750
10

RAIL LEVEL

33'-3 3/8"
BOGIE CENTRES41740
1341740
2041740
1941740
1641740
141740
32WELDED LEVEL WITH
TOP OF LONGITUDES41740
1941740
1541740
1

41742

41750
941750
741747
441750
341750
1041747
741747
841747
27FOR ARRANGEMENT OF
DRAWSPRING BRACKET
SEE DRG. NO. 41749Transport for London
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1960 TUBE STOCK.

UNDERFRAME ARRANGEMENT

SCALE: 1 INCH TO A FOOT.

LONDON TRANSPORT EXECUTIVE
CHIEF MECH^L ENGINEERS OFFICE

DRG. No. 41740.

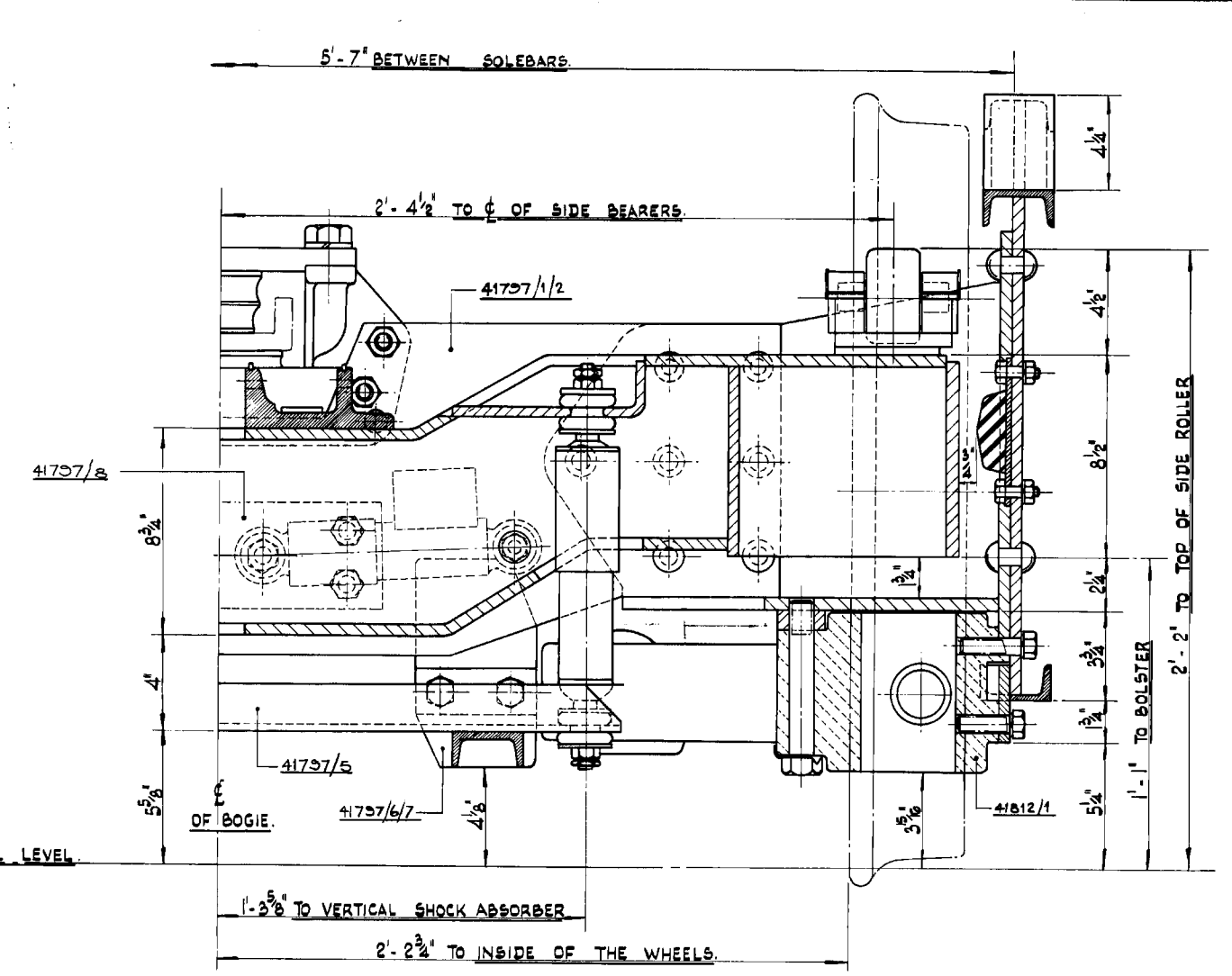
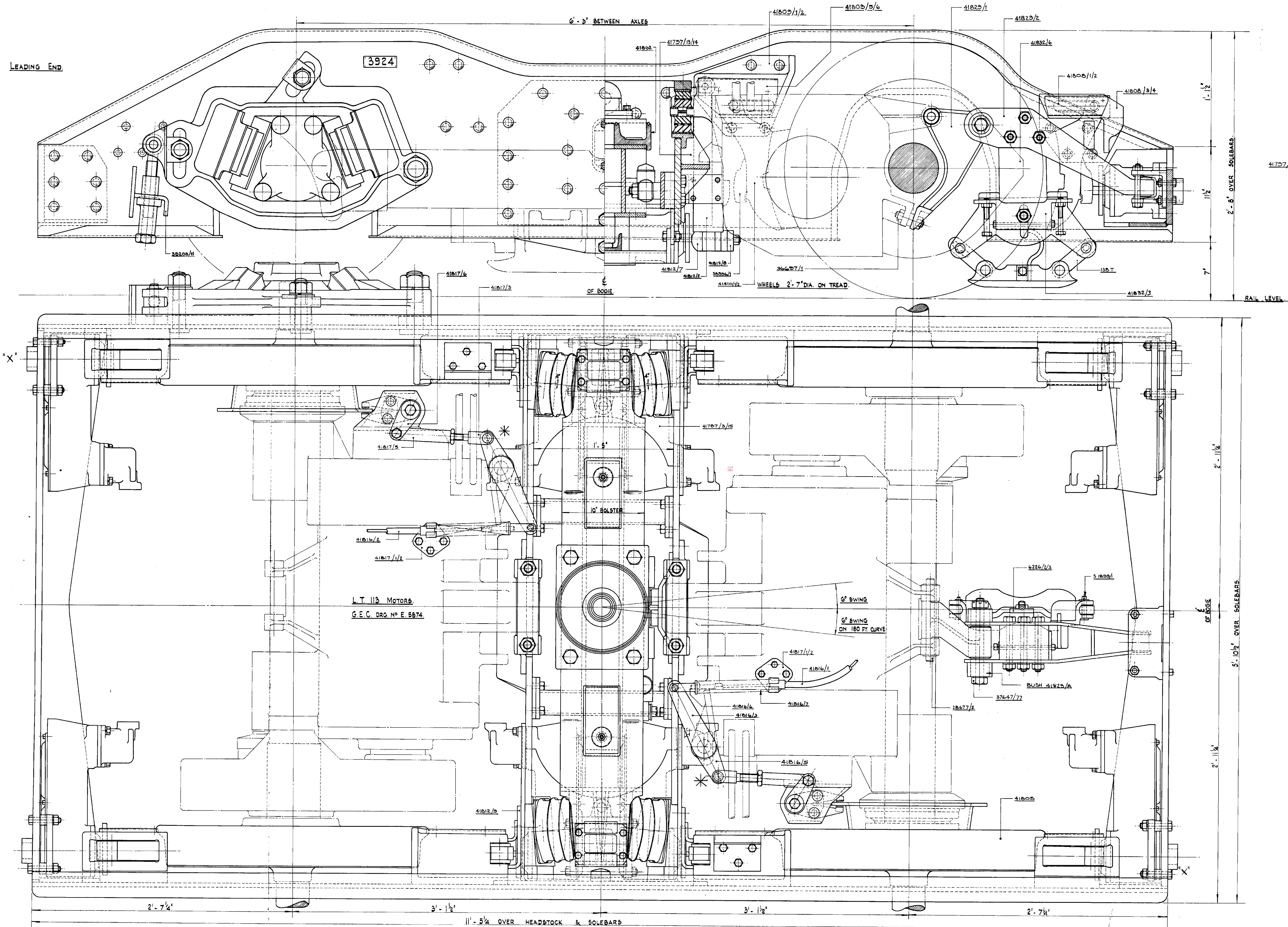
DATE: 16-12-59.

OFFICE

FILING

453

30X



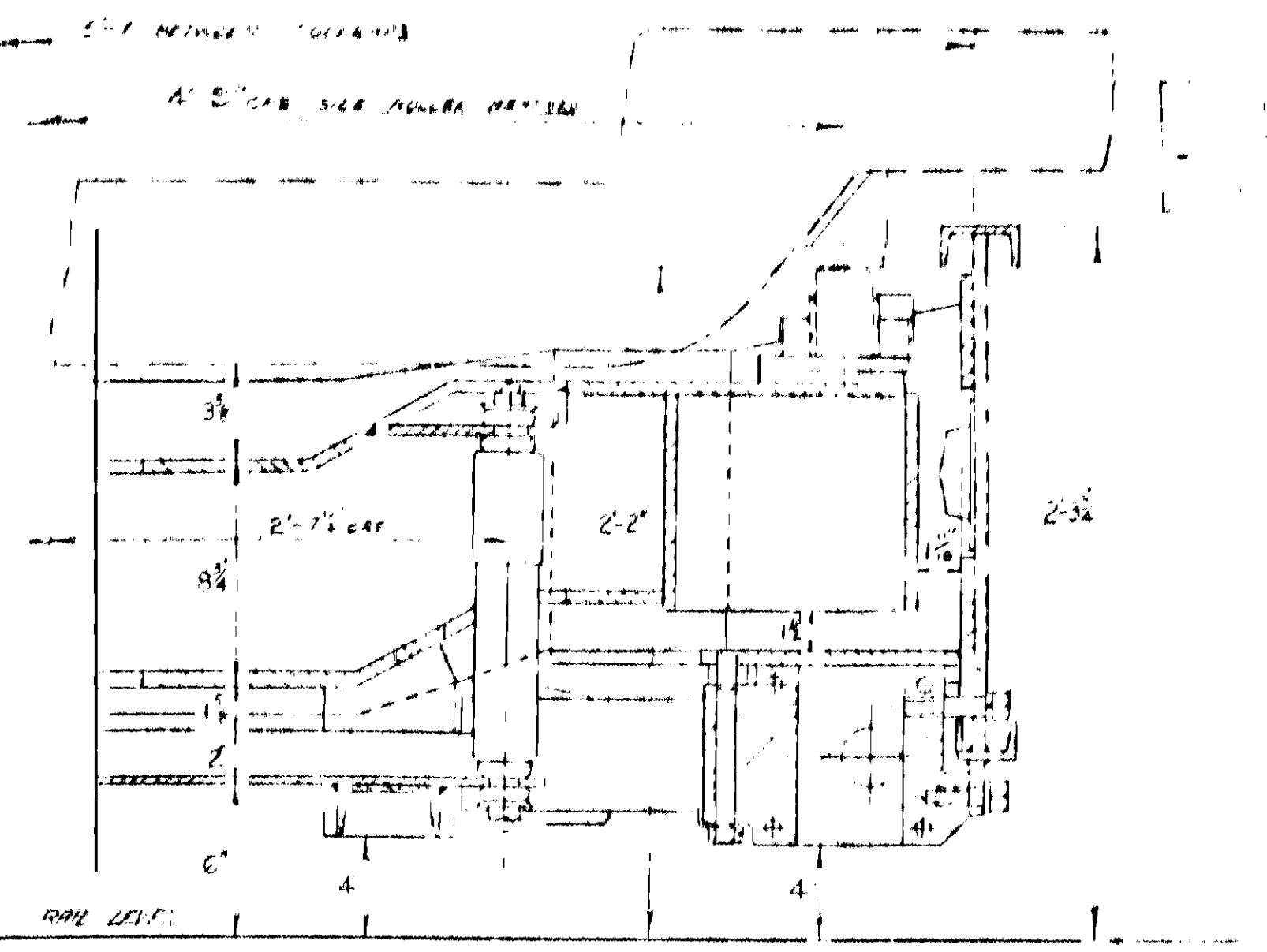
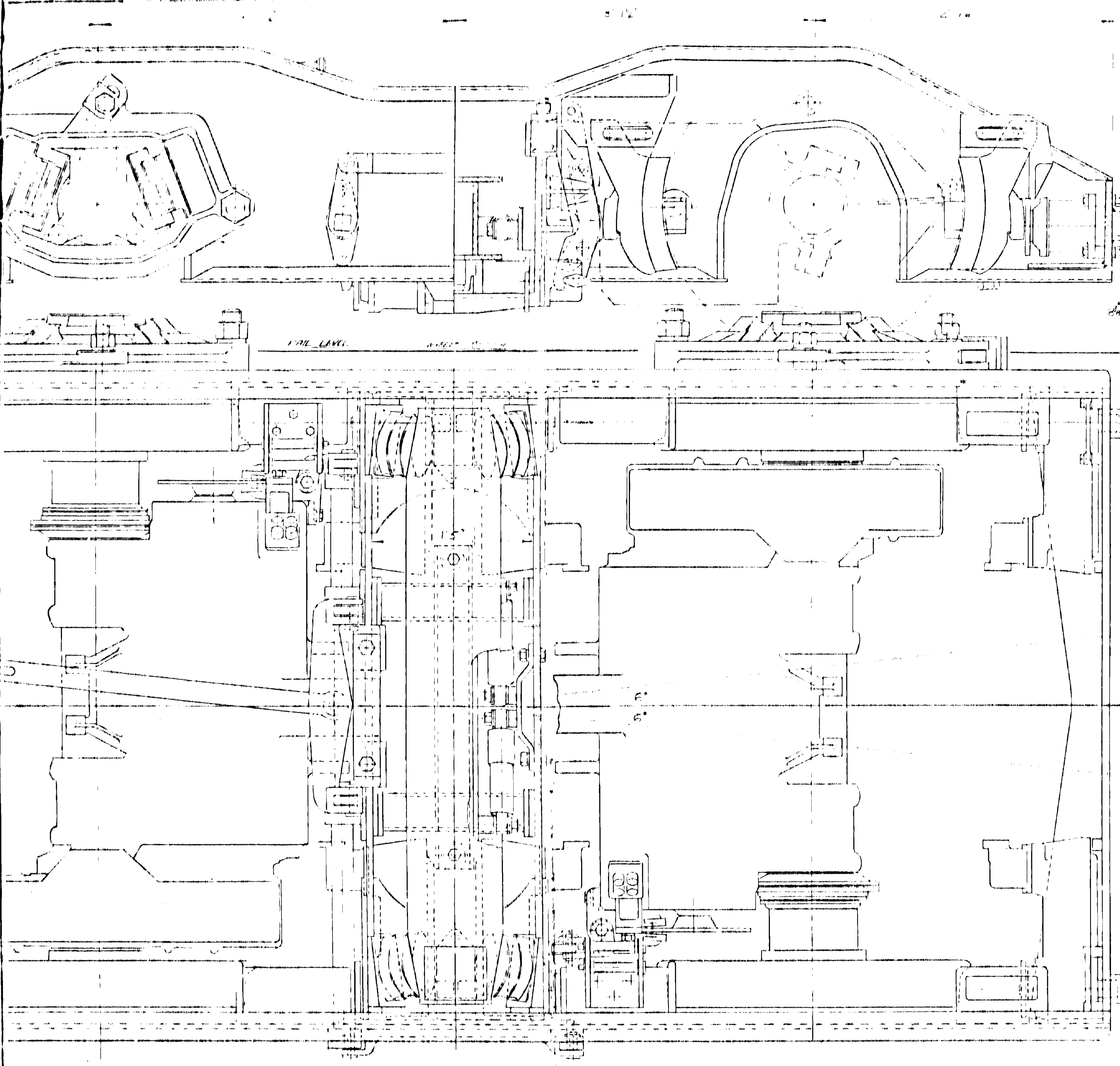
LIST OF ARRANGEMENT DRGS:-			
SECTION	THRO' BOGIE BOLSTER	DRG. NO.	
BOGIE SOLEBAR WELDING ASSY.		41781	
HANDBRAKE ARRGT.		41812	
ARRGT. OF DISC BRAKE		41814	
BRAKE PIPING ARRGT.		41818	
ARRGT. OF MOTOR NOSE BRKT.		41821	
ARRGT. OF POS. SHOE GEAR & TRIPCOCK		41822	
		41824	
	NEG.	41825	
	SHOEBEAM FIXING (INNER)	41826	
	(OUTER)	41827	
	CR BRAKEHEAD GUIDES.	41792	
	END	41793	

NOTE: DISC HANDBRAKE SHOWN HAS BEEN REPLACED WITH HYDRAULIC PARKING BRAKE UNITS.

NOTE: BOLTS TO BE CUT BACK FLUSH WITH NUT & FITTED WITH LOCKING PLATES PARTS NO. 41820/5 AT DIAGONAL CORNERS X ON LEADING BOGIES ONLY OF A 3D TYPE MOTOR CARS.

MODIFIED

1960 TUBE STOCK.	
GENERAL ARRANGEMENT. OF BOGIE.	
SCALE. 3 INCHES TO A FOOT.	
LONDON TRANSPORT EXECUTIVE CHIEF MECH ^L ENGINEERS OFFICE	
DRG. NO. 41790	
DATE 16-12-59.	
OFFICE. 415	FILING. 415



NOTES:

ARMED SUSPENSION	AS USED FOR STOCK
ARMED SUSPENSION	" " " "
CHOP OF ALUMINUM PLATE TO HENDSTOCK	" " " "
HENDSTOCK	" " " "
SEE ROLLER BEARING	" " " "

REVISIONS:

REVISION 1	SA 7758
REVISION 2	SA 7758
REVISION 3	SA 7758
REVISION 4	SA 7758
REVISION 5	SA 7758
REVISION 6	SA 7758
REVISION 7	SA 7758
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REVISION 100	SA 7758

F2 OF 2

ARRANG OF TWO MOTOR BOGIE
 100 TUBE STOCK
 100 TUBE STOCK

SA 7758
 7 25

DWR 22/15

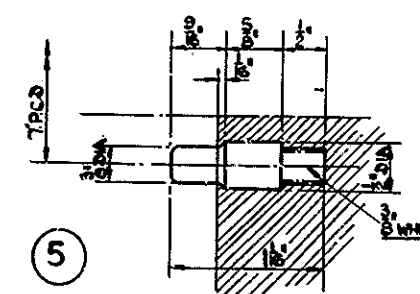
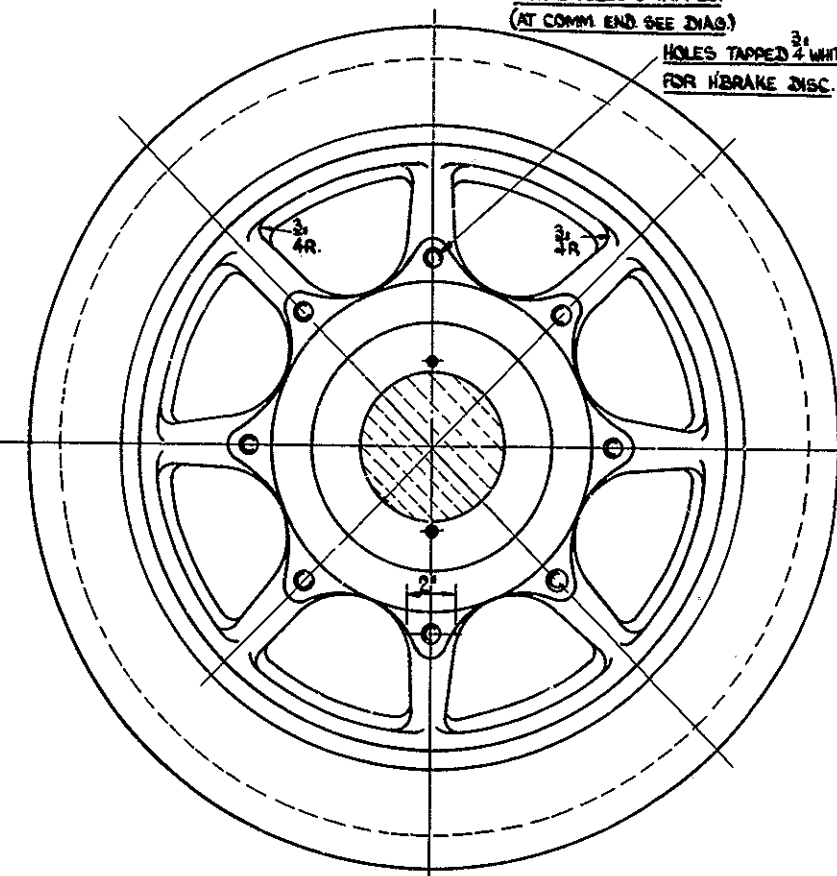
AMOD - 2500 PRODUCE IN 1957

N.M.G.

N.M.G.

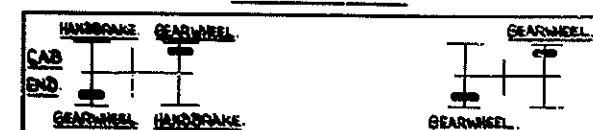
SECTION D-D

NOTE: OUT OF EVERY COMPLETE SET
OF 4 PAIRS OF WHEELS & AXLES
2 PAIRS OF WHEELS & AXLES TO
BE UNDRILLED
2 PAIRS TO HAVE 1 WHEEL ON EACH
PAIR DRILLED & TAPPED
(AT COMM. END SEE DIAG.)
HOLES TAPPED 4 WHIT
FOR BRAKE DISC.



DETAIL OF SLID
2 REQUIRED DIAMETRICALLY
OPPOSITE AT COMPLET.

SCHEMATIC LAYOUT



NOTE: 1/8" ALLOWANCE FOR MACHINING
WHERE SHOWN THUS.

1 HOLE DRILL THRU 8 DIA. SPOTFACE 8 DIA.
TO CLEAN UP. COUNTERDRILL 1 1/2 DIA.
[SMOOTH FINISH 118° POINT]
TAP 1/8 B.S.P. CLEAN HOLE, FIT
PLUG 23225/203.

PROVISION FOR HYDRAULIC REMOVAL OF
WHEEL REQUIRED ONLY AT NON-GEAR END
OF AXLE.

WHEN ORDERING SPARES USE
DRG. No. 35806 ITEM 1 & 2
24/892 RADIUS TURNED
S/L NO. 24/892 MAGNIFIED.

DETAIL OF GROOVE 1/16" IN TIRE
FOR RETAINING RING
TWICE FULL SIZE

SECTION OF RETAINING RING
TWICE FULL SIZE

PROOF LOADING OF SLEEVE ON JOURNAL: AFTER FITTING SLEEVE ON JOURNAL
IT IS REQUIRED THAT A PROOF LOAD OF FOUR TONS SHALL BE APPLIED IN AN AXIAL DIRECTION & NO MOVEMENT
OF THE SLEEVE ON THE AXLE UNDER THIS LOAD WILL BE PERMITTED.

ALL WHEEL SEATS TO BE ROLL TO THE REQUIREMENTS OF THE L.T.E.
WHEEL CENTRES TO BE PRESSED ON WITH A MINIMUM PRESSURE OF 10 TONS & A MAXIMUM PRESSURE
OF 12 TONS FOR EACH INCH DIA. OF WHEEL SEAT.

ROAD WHEELS TO BE TESTED BY A REVERSE PRESSURE OF 60 TONS.
GEAR WHEELS TO BE PRESSED ON WITH A MINIMUM PRESSURE OF 7 TONS & MAXIMUM PRESSURE
OF 9 TONS FOR EACH INCH DIAMETER OF WHEEL SEAT.

AXLE JOURNALS & WHEEL SEATS TO BE PARALLEL & WITHIN THE LIMITS SPECIFIED.

TIRES TO BE FITTED IN PAIRS OF THE SAME CAST NUMBER.

TYRE SHRINKAGE ALLOWANCE - 0.031"

ALL TIRES TO BE SMOOTH TURNED ON TREAD (L.T.E. 7250)

MAXIMUM PERMISSIBLE VARIATION ON TREADS OF A PAIR OF TIRES - 0.056" - MEASURED ON 1/2 OF TREAD.

MAXIMUM PERMISSIBLE ECCENTRICITY OF A TIRE OR WHEEL TREAD & FLANGE - 0.05" WHEN MEASURED ON 1/2 OF TREAD.

(2 "DOTS" DISPLACEMENT OF CENTRES)

SCRAPPING DIA - 2 1/4"

MARKINGS OF WHEELS & AXLES TO BE TO DRG. No. 47402

OTHER REQUIREMENTS IN ACCORDANCE WITH L.T.E. GENERAL OVERALL SPECIFICATION.

LONDON TRANSPORT EXECUTIVE

WHEELS & AXLES.

1960 TUBE STOCK.

CLASS OF STOCK

CHIEF MECH¹ ENGINEERS OFFICE

DRAWING No. 41805.

DATE 16-12-59.

30X

1

15



LONDON TRANSPORT EXECUTIVE

WHEELS & AXLES.

CONTRACTORS DRG. No. 27686.

[illegible]