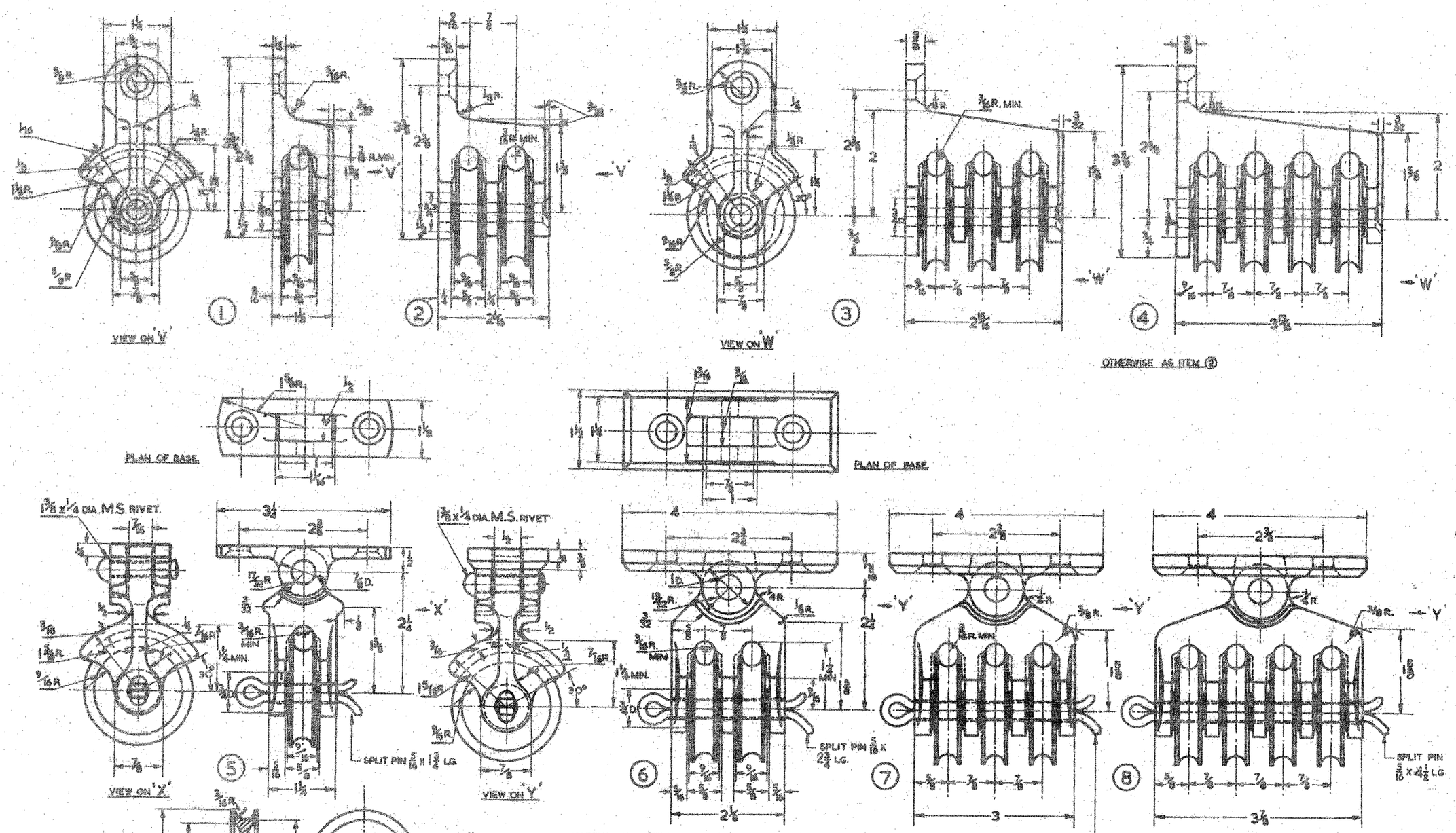


MATERIAL CAST IRON TO B.S 1452 GRADE 12 UNLESS OTHERWISE STATED.
ALL FIXING HOLES TO BE 3/8 DIA. AND COUNTERSUNK 90° INCLUDED ANGLE 5/8 DIA.
SPLIT PIN HOLE IN FRAME FOR ITEMS 5, 6, 7, & 8 TO BE 3/8 DIA.
RIVET HOLES TO BE 5/16 DIA.
ALL SPLIT PINS TO B.S. 1574 STEEL SHERARDIZED.
SPLIT PINS TO BE SUPPLIED IN POSITION BUT OPENED NOT MORE THAN 1/8 TO RETAIN DURING TRANSIT.
FIXING SCREWS OR BOLTS TO BE ORDERED SEPARATELY SEE BRS.SM. 103 SHEET 2.
PULLEY ASSEMBLIES ITEMS 1 TO 4 TO BE SUPPLIED WITH PULLEYS WIRED IN POSITION.
FINISH ON ALL MATERIALS TO BE GALVANIZED, UNLESS OTHERWISE STATED.

ALL DIMENSIONS ARE IN INCHES.
TO COMPLY GENERALLY WITH BS. 6429

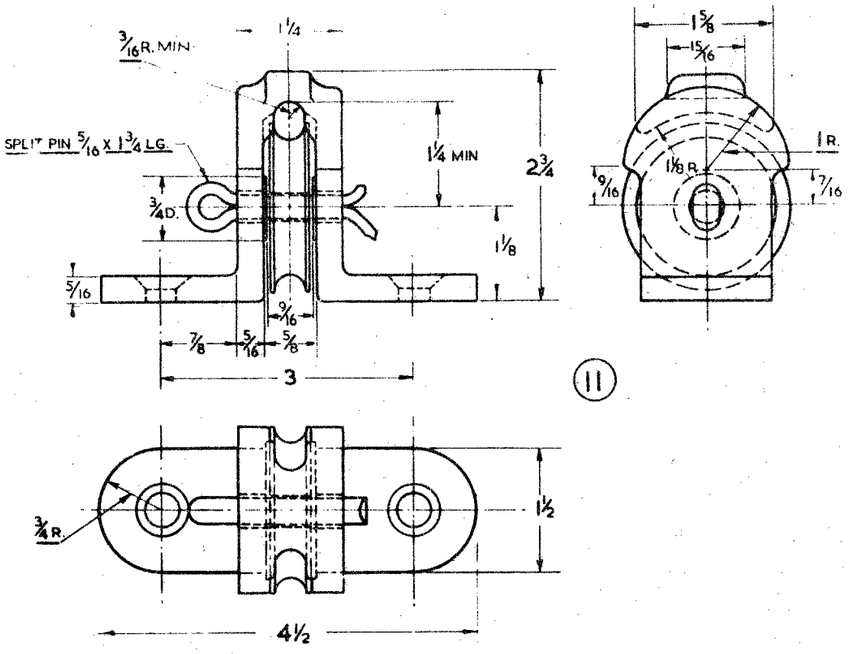
REF.	REVISIONS	SIGS. & DATE.
B		
A	11/32 (MIN.) DIA. HOLE ITEM 12 - 1/2 (MIN.) DEPTH COUNTER BORE. NOTES RE SPLIT PINS & FIXINGS ADDED. 1 3/8 L.G. RIVET WAS 1 1/4 ITEM 5	S/A 20-9-66

BRITISH RAILWAYS STANDARD — SIGNALLING

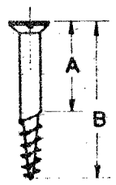
CAST IRON SIGNAL WIRE PULLEYS.

DRAWING No.	SHEET	
BRS SM 103	1	A

Copyright Network Rail
Provided by IHS under license with Network Rail
No reproduction or networking permitted without license from IHS.
Full document details: NR BRS-SM 103 ISSUE A 1966
Licensee=Weston Williamson/5989497001, User=sam, albett
Not for Resale, 03/28/2016 03:55:22 MDT
AVA Documents Document Sharing Hub

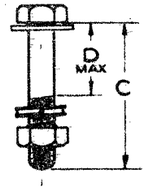


(11)



CATALOGUE	SCREWS FOR WOOD FIXINGS. GENERALLY TO B.S.1210 STEEL.		
	No. 18 WOOD SCREW.	A	B
	FOR FIXING SCREWS.	STD	1 1/2
	" CENTRE " SINGLE PULLEY.	1	2
	" " " DOUBLE "	2 1/4	3 1/4
	" " " TREBLE "	3	4 1/2
	" " " QUADRUPLE "	3 3/4	5 1/4

FINISH - CADMIUM PLATE AND PASSIVATE



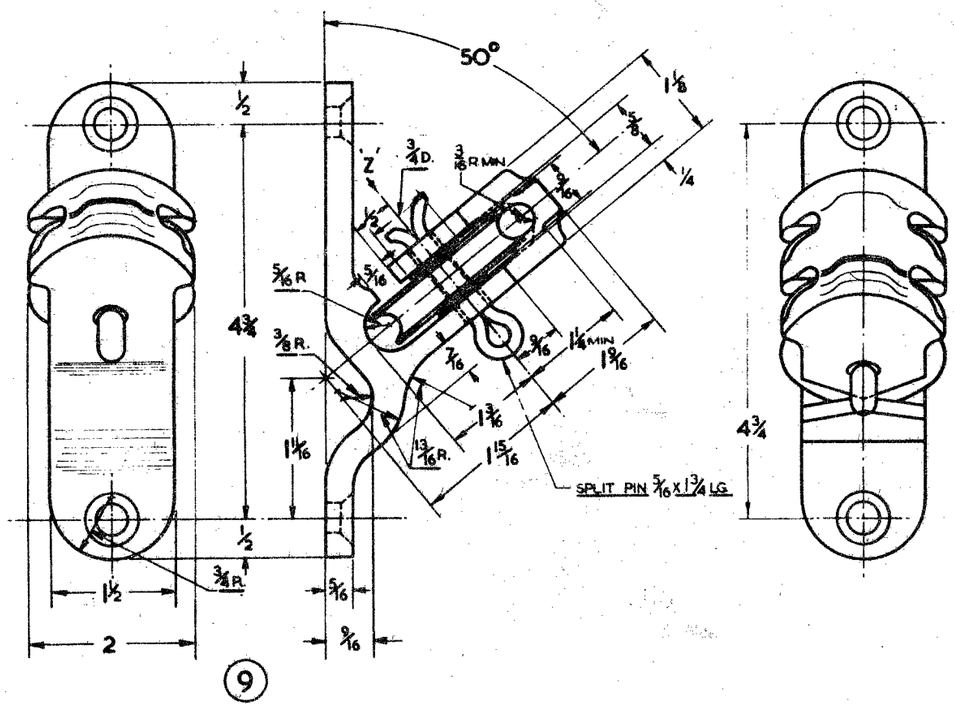
BOLTS (FOR METAL STAKES) STEEL.			PLAIN WASHERS. Nº REQ'D.
5/16 B.S.F. HEX. HD., BS 1083. GRADE 'R'	C	D	
FOR FIXING.	1 1/4	5/8	1
SPINDLE FOR SINGLE PULLEY.	2	1 3/8	1
" " DOUBLE "	3	2 3/8	1
" " TREBLE "	3 3/4	3 1/8	1
" " QUADRUPLE "	5	4 3/8	4

ALSO REQUIRED :-
5/16 B.S.F. HEX. NUT. B.S. 1083. GRADE A : ONE PER BOLT.
5/16 PLAIN WASHER. STEEL. B.S. 3410. TABLE 3. (REFER TO TABLE ABOVE FOR Nº REQ'D.)
5/16 SPRING WASHER. SINGLE COIL. GIRDER SECTION. STEEL. B.S. 1802. TABLE 5. TYPE C : ONE PER BOLT.
FINISH TO BOLTS NUTS & WASHERS:
CADMIUM PLATE & PASSIVATE.

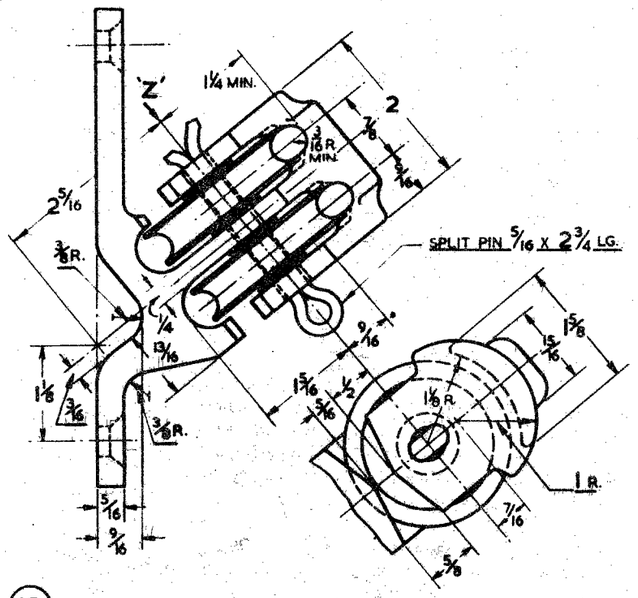
ITEM	NAME			CATALOGUE Nº
1	PULLEY, SIDE, SINGLE, COMPLETE.			
2	" " DOUBLE, "			
3	" " TREBLE. "			
4	" " QUADRUPLE, "			
5	" ANGLE, SINGLE, "			
6	" " DOUBLE, "			
7	" " TREBLE, "			
8	" " QUADRUPLE, "			
9	" OUTSIDE ANGLE, SINGLE, "			
10	" " " DOUBLE, "			
11	" VERTICAL SINGLE, "			
12	PULLEY WHEEL ONLY.			

FINISH ON ALL MATERIALS TO BE GALVANIZED. UNLESS OTHERWISE STATED. FIXING SCREWS & BOLTS TO BE ORDERED SEPARATELY.

MATERIAL - CAST IRON TO B.S. 1452 GRADE 12. UNLESS OTHERWISE STATED.
ALL FIXING HOLES TO BE 3/8 DIA. AND COUNTERSUNK 90° INCLUDED ANGLE 5/8 DIA.
SPLIT PIN HOLE IN FRAME FOR ITEMS 9, 10, & 11 TO BE 3/8 DIA.
ALL SPLIT PINS TO B.S. 1574. STEEL SHERARDIZED.
SPLIT PINS TO BE SUPPLIED IN POSITION, BUT OPENED NOT MORE THAN 1/8 TO RETAIN DURING TRANSIT.



(9)



(10)
OTHERWISE AS ITEM (9)

VIEW IN DIRECTION OF ARROW 'Z'.

REF.	REVISIONS	SIG. & DATE
B	9/16 B.S.F. BOLTS WERE B.S.W. THREAD, AND 5" LONG BOLT WAS 4 3/4 LONG (4 3/8 PLAIN SHANK). AMENDED TO CONFORM TO STANDARD RANGE OF BOLTS. TABLE OF PLAIN WASHERS REQUIRED ADDED. SPRING WASHER ADDED TO EACH BOLT. NUT & WASHERS REQ'D LISTED SEPARATELY IN PLACE OF 'BOLTS TO BE SUPPLIED COMPLETE WITH QE ....'. COLUMN OF 'CATALOGUE' REFERENCE TO BOLTS DELETED.	13. 5. 69.
A	SPLIT PINS MADE B.S. 1574. BOLTS HEX. 1083 WASHERS SQ. HD. SPECIAL & LENGTHS REVISED. ITEMS 10, 14, & 15 DELETED FROM SCHEDULE. FINISH REMOVED	20-9-66

BRITISH RAILWAYS STANDARD — SIGNALLING

CAST IRON SIGNAL WIRE PULLEYS.

DRAWING Nº BRS SM 103 | SHEET. 2 | A | B

ALL DIMENSIONS ARE IN INCHES.
TO COMPLY GENERALLY WITH BS 350

Copyright Network Rail
Provided by IHS under license with Network Rail
No reproduction or networking permitted without license from IHS
Full document details: NR BRS SM 103 ISSUE A 1966
Licensee=Weston Williamson/5989497001, User=sam, albett
Not for Resale, 03/28/2016 03:55:22 MDT
Documents
Document Sharing Hub