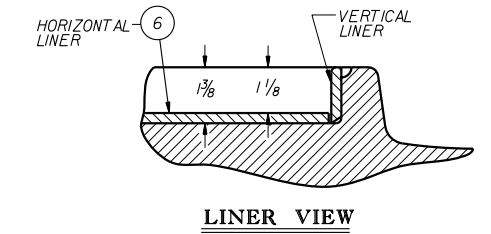
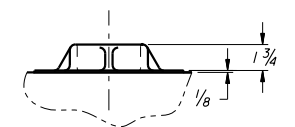
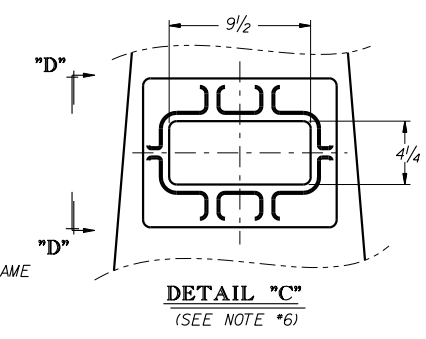


SPRING GROUPING
AAR D-5 SPRINGS W/3 1/16" TRAVEL
100 TON

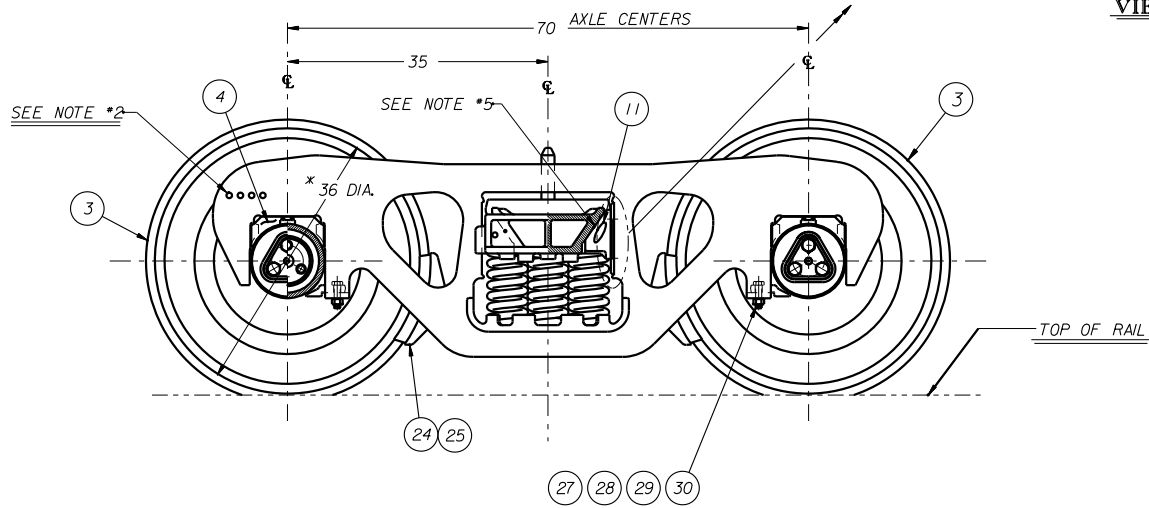
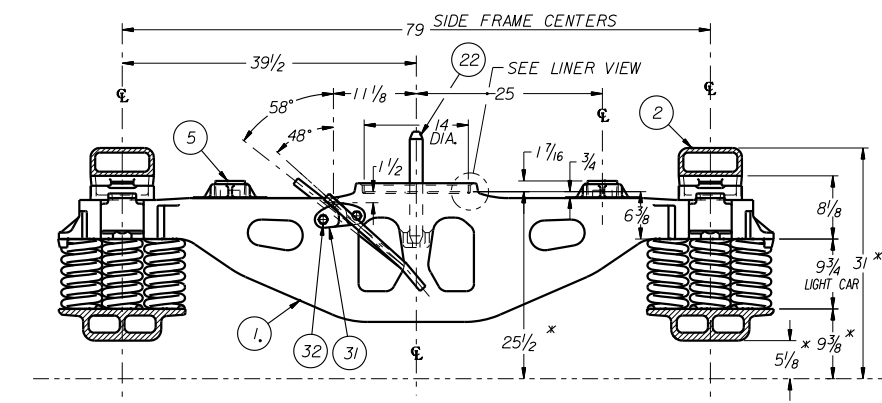
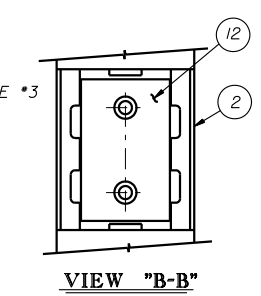
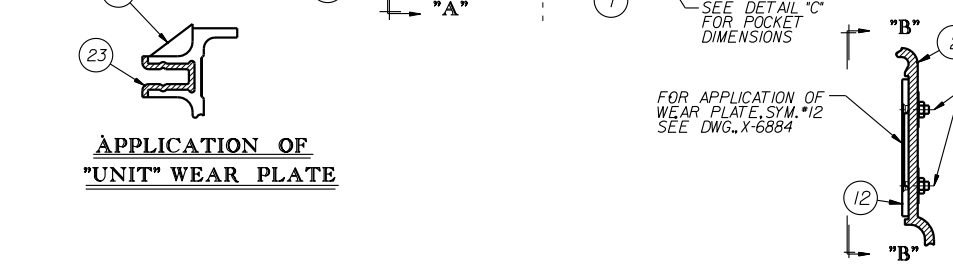
SPRING	QTY./GROUP	FREE HEIGHT	SOLID HEIGHT	SPRING RATE W/1/16" DEFL.	SPRING SOLID CAPY.
D-5 OUTER	7	10 1/4	6 1/16	140.1	8266*
D-5 INNER	6	10 5/16	6 1/16	70.1	4204*
4143-2 SIDE	2	11 1/16	6 1/16	64.5	4641*
4143-3 SIDE	2	11 3/8	6 15/16	28.7	2040*

SPRING RATE PER CAR - 6351* 1/16" SPRING DEFLECTION
SOLID CAPACITY PER GROUP - 96,448*



SYM.	PART NO.	REQ.	DESCRIPTION	MATERIAL	WT.#
1	TABLED	1	BOLSTER, 100T, SEE TABLE FOR AAR CODE	M-210-B	1400
2	TABLED	2	SIDE FRAME 100 TON, COMB. TYPE, SEE TABLE FOR AAR CODE	M-210-B	1670
3	TABLED	2	WHL., AXLE & ROLLER BRG. ASS'Y. 36 IN. CLASS "C" WHLS.	SEE ASS'Y.	TABLED
4	214-0575	4	ADAPTER, ROLLER BRG., NARROW PED., CLASS "F", 6 1/2 x 12	SEE ASS'Y.	144
5	42583-01	2	BLOCK, SIDE BEARING, FRICTION TYPE	C.I.	44
6	22122-01	1	WEAR PLATE, HORIZONTAL TRUCK BOWL	MANGANESE	10.2
7	114-6285	14	SPRING, TRUCK OUTER, AAR D-5, 6 1/16 DIA. x 5 1/2 O.D.	M-114	274
8	214-6135	12	SPRING, TRUCK INNER, AAR D-5, 5 1/16 DIA. x 3 3/8 O.D.	M-114	93
9	214-5975	4	SPRING, SIDE, OUTER COIL, SCT #4143-2, 43/64 DIA. x 3 1/8 O.D.	M-114	40
10	214-5835	4	SPRING, SIDE, INNER COIL, SCT #4143-3, 1/16 DIA. x 2 13/32 O.D.	M-114	16
11	214-2095	4	CASTING, FRICTION, SCT #3973, PATT. #787-C	---	66
12	414-4066	4	WEAR PLATE, (SEE NOTE #3)	SAE 1095	22
13	414-0900	1	BEAM, BRAKE, HANGERLESS, AAR #18 L.H.	---	160
14	414-0950	1	BEAM, BRAKE, HANGERLESS, AAR #18 R.H.	---	160
15	26626-01	1	GUIDE, DEAD LEVER	SAE 1020	8.3
16	101266-01	1	LEVER, BRAKE, DEAD LEVER	A36	18
17	19789-01	1	LEVER, BRAKE, LIVE LEVER	A36	26
18	414-6930	1	CONNECTION ROD, BOTT. TRK BRK LEVER	A36	33
19	00007-01	4	PIN, BRAKE LEVER, 1 1/2 DIA.	M-122	4
20	00007-03	2	PIN, BRAKE LEVER, 1 1/2 DIA.	M-122	2
21	305-0925	6	COTTER PIN, 3/8 x 2 1/2 LG.	STL.	.1
22	00326-08	1	PIN, CENTER, 1 1/4 DIA. x 15 LG.	A-575-1020	10
23	314-4085	4	PLATE, WEAR, BRAKE BEAM, UW133	---	14
24	214-4315	4	SHOE, BRAKE, AAR H-4, 2 HIGH FRICTION COMPOSITION	---	16
25	314-2950	4	KEY, BRAKE SHOE, AAR STANDARD	---	4
26	312-0450	4	LUBRICANT, CENTER PLATE SHELL #72777	---	.27
27	314-3000	4	SIDE FRAME KEY, NARROW PED. TYPE	STL.	9
28	304-3342	4	BOLT, HVY. HEX. 3/4-10 UNC-2A x 3 LG.	A325	2,044
29	304-8625	4	NUT, LOCK, HVY. HEX. 3/4, ESNA#49-NU-120	STL.	.92
30	305-9068	4	WASHER, HARDENED CIRCULAR, 3/4 STEEL	F436	.163
31	202-0761	1	BRACKET, FULCRUM, B.O.-1494 L.H.	C. STL.	7.6
32	304-6921	2	BOLT/NUT/WASHER ASSY. DRESSER #50107	A325	1.5

- NOTES:**
- ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
 - PAIR SIDE FRAMES, USING BUTTONS AND WHEELBASE DIMENSION PER AAR STD. S-378 LATEST REVISION.
 - SIDE FRAMES (SYM #2) TO BE SUPPLIED COMPLETE FROM VENDOR WITH WEAR PLATES (SYM #12), APPLIED PER AAR ALT. STD. S-3003 (SEE VIEW "B-B") WITH TWO CAMRAIL CAMCAR AUDITORX BOLTS.
 - REMOVE ALL COATING AND CONTAMINANTS WHICH MAY INTERFERE WITH RETARDER OPERATION.
 - APPLY A LIGHT COAT OF MOLY-DISULFIDE TO SURFACES OF BOLSTER FRICTION POCKET. PREVENT ANY SPRAY FROM GETTING ON FRONT FACE OF BLOCK WHICH CONTAINS THE WEAR PLATE.
 - WHEN REPLACING BOLSTERS, ASSURE SIDE BEARING POCKET DIMENSIONS ARE AS SHOWN IN VIEW "D-D" AND DETAIL "C".
 - ITEMS MARKED THUS \odot ARE TO BE FURNISHED & ASSEMBLED BY VENDOR (LINE 01).



* DIMENSIONS SHOWN ASSUME NEW WHEELS AND NEW SHOES (NO WEAR).

APPLIED BY PROCOR	714-8933	B95-23EJ-KX	414-2659	F9C-03BN-UA	---	4142	01
APPLIED BY PROCOR	---	---	---	---	---	714-7875	9647
APPLIED BY PROCOR	---	---	---	---	---	414-7635	9647
FURNISHED & ASSEMBLED BY VENDOR	---	---	---	---	---	---	03
DESCRIPTION	PART NO.	AAR CODE #	PART NO.	AAR CODE #	PART NO.	WT.#	LINE
SYMBOL #1 (BOLSTER)			SYMBOL #2 (SIDE FRAME)		SYMBOL #3 (WHL. & AXLE)		

PROCOR LIMITED
RAIL CAR DIVISION
200 SPEERS RD.
GAYVILLE, ONTARIO
L6J 9E1

TRUCK ASSY., 100 TON BARBER S-2-C
COMB. FRAMES, D-5 SPCS, CONV.
BRKS, INTEGRAL CAST SIDE BRGS.

DRAWN BY: M. GRAHAM DATE: 02.07.95
CHECKED BY: P. YOUNG DATE: 02.08.95
APPROVED BY: G. STEPHANMAN DATE: 02.08.95

REV	DATE	BY	DESCRIPTION	CHK'D

SCALE: 1"=1'-0"	DRAWING NO.	REVISION
	97959	