

MILITARY RAILWAY SERVICE

**U.S.A.  
EQUIPMENT  
DATA BOOK**



LOCOMOTIVES, FREIGHT CARS  
& MISC. ROLLING STOCK

ISSUED BY G.H.Q. M.R.S.

2 ( ) ( )

# MILITARY RAILWAY SERVICE

BRIG. GEN. C. R. GRAY JR.

DIRECTOR GENERAL

COLONEL F. R. HOSACK

DIRECTOR EQUIPMENT

COL. W. M. ENGLISH  
GEN. SUPT. MOTIVE POWER

LT. COL. J. H. HERON  
CHIEF MECH. ENGINEER

MAJ. H. G. MOORE  
GEN. CAR SUPT.

COL. O. R. DIAMOND - A.G.M. EQUIPMENT HQ. 1<sup>ST</sup> M.R.S.

COL. F. L. KING - A.G.M. EQUIPMENT HQ. 2<sup>ND</sup> M.R.S.

T/SGT. L. F. EABY  
CHIEF DRAFTSMAN G.HQ.

T/SGT. B. W. STUART  
CHIEF DRAFTSMAN HQ. 1 M.R.S.



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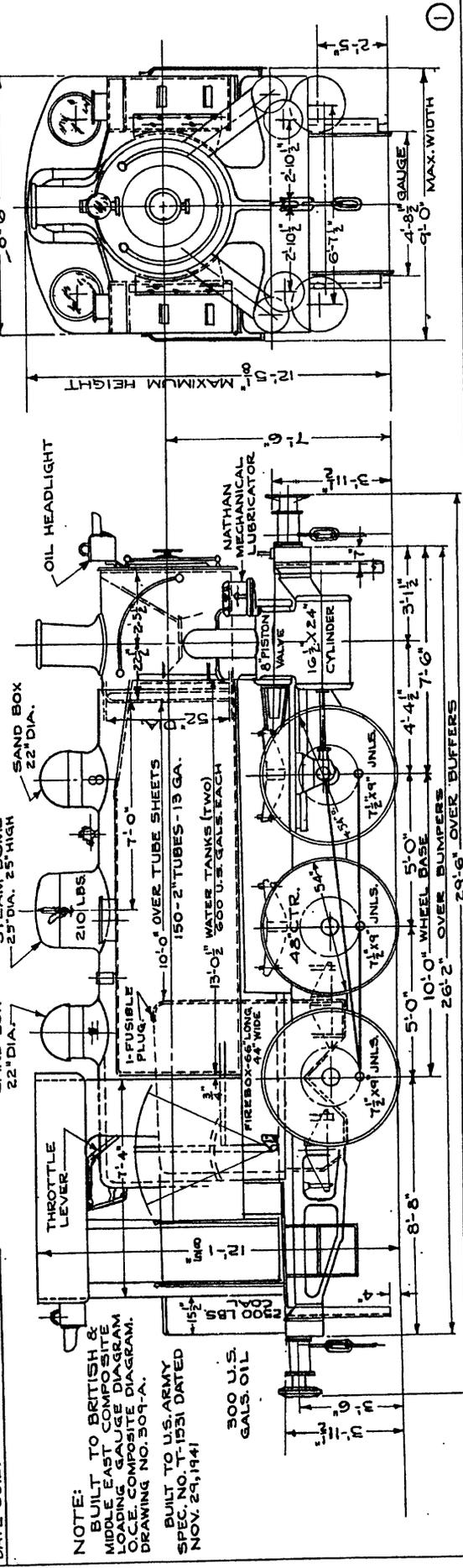
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SERVICE SWITCH  
 BUILDERS - H.K. PORTER CO., VULCAN  
 IRON WKS., DAVENPORT-BESLER,  
 DATE BUILT 1942

0-6-0 SIDE TANK SWITCHER  
 AFRICAN THEATRE

U.S.A. NOS. 1252-1436, 1927-2031  
 4006-4041, 5000-5026



NOTE:  
 BUILT TO BRITISH &  
 MIDDLE EAST COMPOSITE  
 LOADING GAUGE DIAGRAM  
 O.C.E. COMPOSITE DIAGRAM.  
 DRAWING NO. 509-A.

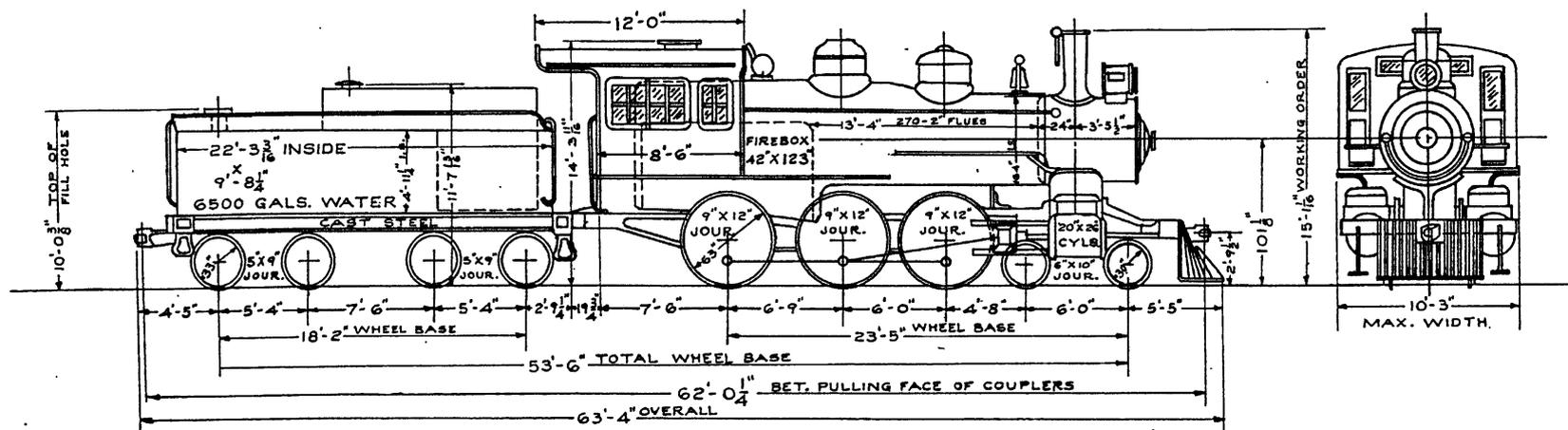
BUILT TO U.S. ARMY  
 SPEC. NO. T-1531 DATED  
 NOV. 29, 1941

300 U.S.  
 GALS. OIL

|                               |              |   |                      |  |
|-------------------------------|--------------|---|----------------------|--|
| WEIGHT LOADED ON DRIVERS      | 100,650 LBS. | HEATING SURFACE-TOTAL                                 | 876 SQ. FT.          | SANDERS - HAND OPERATED- LOCO. BLDGS. MAKE       |
| WEIGHT LOADED ON TOTAL ENGINE | 100,650 "    | RATIO GRATE AREA TO HEATING SURFACE                   | 1 TO 45.15           | FIREBOX VOLUME                                   |
| WEIGHT OF ENGINE              | 81600 "      | LUBRICATOR - ONE 8 PINT 4-FEED NATHAN MECHANICAL      |                      | CYLINDER COCKS                                   |
| TRACTIVE POWER AT 85%         | 21,630 "     | INJECTORS - TWO-SELLERS' NON-LIFTING                  |                      | MAXIMUM CURVE                                    |
| FACTOR OF ADHESION            | 4.65         | WATER GAUGES - ONE "NATHAN" REFLEX WATER GLASS        |                      |  |
| STEAM PRESSURE                | 210 LBS.     | AND 3 "NATHAN" GAUGE COCKS.                           |                      | NOTE: AFTER FIRST FIFTY LOCOMOTIVES, SIZES OF    |
| VALVE GEAR                    | WALSCHAERT   | LOWEST WATER READING - 3" ABOVE HIGHEST FT. OF CROWN  |                      | FIREBOX CHANGED FROM 66' LONG, 44" WIDE TO       |
| REVERSE GEAR                  | MANUAL       | GRATES (ON COAL BUENERS) CAST IRON RENEW. FINGER TYPE |                      | 66' LONG, 40" WIDE, CHANGING GRATE AREA          |
| GRATE AREA                    | 19,450 FT.   | FIRE DOOR   | CAST IRON-HAND OPER. | FROM 14.4 SQ. FT. TO 18.3 SQ. FT. RATIO OF GRATE |
| HEATING SURFACE - FIREBOX     | 86 "         | BRAKES - STEAM, ALSO SQ. HAND BRAKE INSIDE OF CAB     |                      | AREA TO HEATING SURFACE CHANGING FROM            |
| HEATING SURFACE - TUBES       | 190 "        | SAFETY VALVES   | TWO "LONERSON"       | 1 TO 45.15 TO 1 TO 47.87.                        |

TEN WHEEL 4-6-0  
CLAIBORNE, LA.

U.S.A. NOS. 1-7



(2)

|                          |              |  |                               |              |            |
|--------------------------|--------------|--|-------------------------------|--------------|------------|
| WEIGHT LOADED ON DRIVERS | 122,000 LBS. | RATIO OF GRATE AREA TO HEATING SURFACE | 1-TO-59                       | EX. CL.      | L & L      |
| " " " ENGINE TRUCK       | 36,000 LBS.  | HEATING SURFACE FIREBOX                | 192 SQ. FT.                   | OIL CAPACITY | 2790 GALS. |
| " " " TOTAL ENGINE       | 158,000 LBS. | " " TUBES                              | 1890 SQ. FT.                  | SERVICE      | FREIGHT    |
| " " " TENDER             | 121,763 LBS. | " " TOTAL                              | 2082 SQ. FT.                  | BUILDER      | A. L. CO.  |
| " " " ENGINE & TENDER    | 279,763 LBS. | ENGINE TRUCK WHEELS                    | 30" CAST IRON STEEL TIRLED    | GAUGE        | 4'-8 1/2"  |
| LIGHT WEIGHT OF ENGINE   | 139,000 LBS. | TENDER TRUCK                           | ARCH BAR                      |              |            |
| " " " TENDER             | 46,950 LBS.  | AIR PUMPS                              | TWO 9 1/2" X 10" WESTINGHOUSE |              |            |
| " " " ENGINE & TENDER    | 185,950 LBS. | NUMBER & SIZE OF POPS                  | TWO 3" COALES MUFFLED         |              |            |
| TRACTIVE POWER           | 28,000 LBS.  | DYNAMO                                 | PYLE NATIONAL                 |              |            |
| RATIO OF ADHESION        | 4.3          | TENDER TRUCK WHEELS                    | 33" CAST IRON STEEL TIRLED    |              |            |
| STEAM PRESSURE           | 200 LBS.     | VALVE TRAVEL                           | 5 1/2"                        |              |            |
| VALVE GEAR               | STEPHENSON   | LAP                                    | 7/8"                          |              |            |
| GRATE AREA               | 36 SQ. FT.   | LEAD - FULL GEAR                       | 0"                            |              |            |

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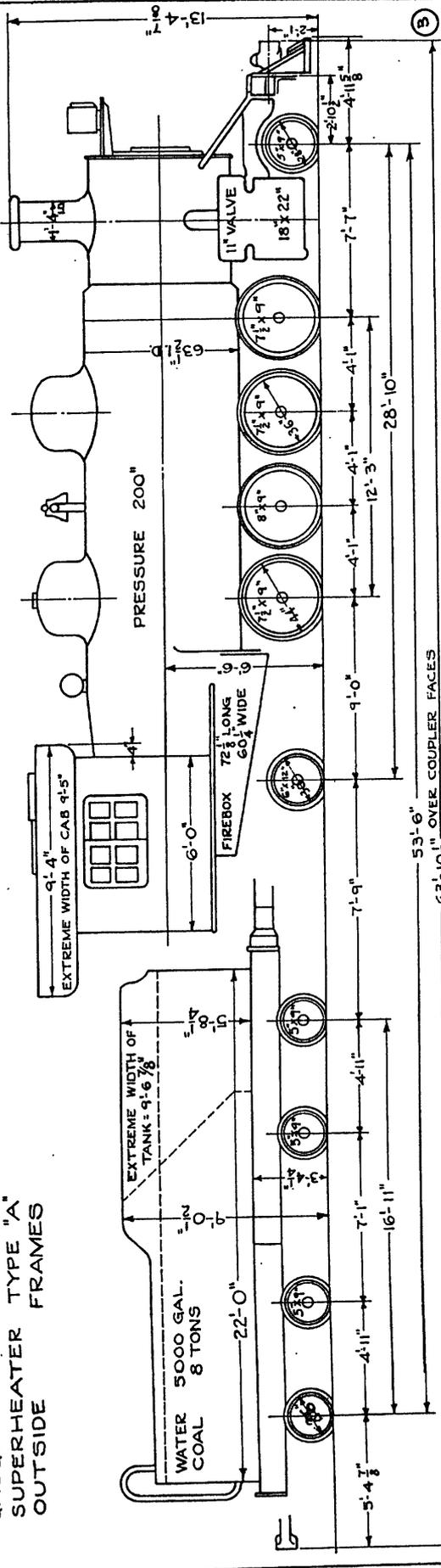
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U.S.A. No. 250-256

### WHITE PASS & YUKON ROUTE 2-8-2 NARROW GAUGE

BUILDER ALCO 1923  
GAUGE 3'-0"  
SUPERHEATER TYPE "A"  
OUTSIDE FRAMES



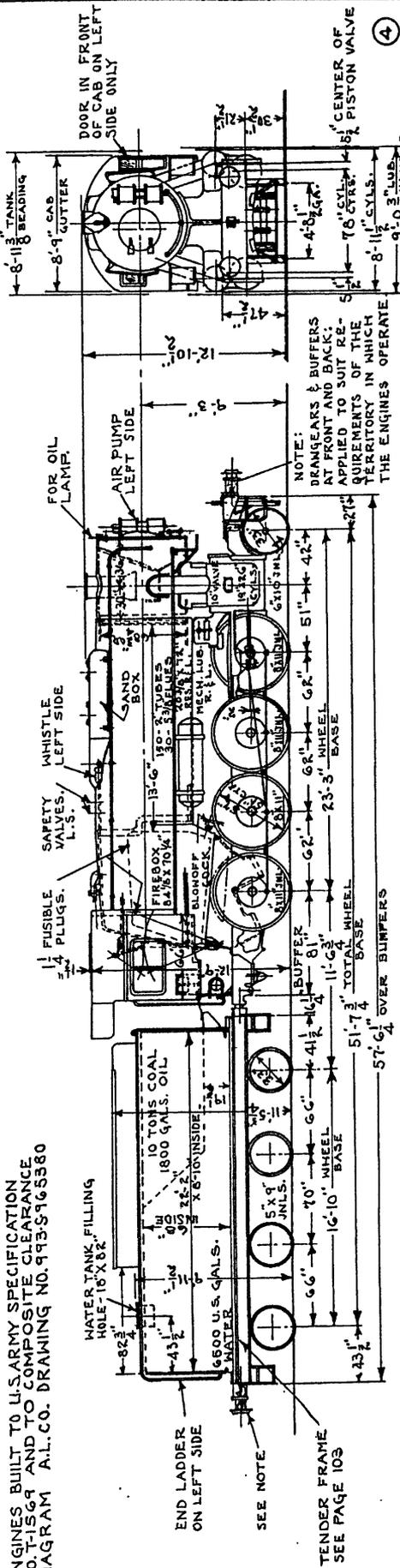
|                          |                      |                         |                   |                      |                             |
|--------------------------|----------------------|-------------------------|-------------------|----------------------|-----------------------------|
| WEIGHT LOADED ON DRIVERS | 113,500 LBS.         | GRATE AREA              | 30.17 SQ. FT.     | WIDTH OVER CYLINDERS | 10'-5 1/2"                  |
| " " " " " " " "          | ENG. TRUCK 20,500 "  | TUBES                   | 106 - 2 1/2" DIA. | " " " " " " " "      | 9'-5"                       |
| " " " " " " " "          | " TRAILER 22,000 "   | FLUES                   | 22 - 5 1/2" DIA.  | " " " " " " " "      | 57"                         |
| " " " " " " " "          | TOTAL ENG. 156,000 " | LENGTH OVER SHEETS      | 18'-0"            | MAXIMUM CURVES       | 26°                         |
| " " " " " " " "          | TENDER 98,500 "      | HEATING SURFACE-FIREBOX | 102 SQ. FT.       | FORMERLY             | D. & R. G.W. CLASS K-28-148 |
| " " " " " " " "          | " & ENG. 254,500 "   | " - ARCH TUBES          | 0                 |                      |                             |
| TRACTIVE EFFORT          | 21,540 "             | " - TUBES               | 444 "             |                      |                             |
| FACTOR OF ADHESION       | 4.12                 | " - FLUES               | 504 "             |                      |                             |
| VALVE GEAR               | WALSCHAERT           | " - TOTAL               | 1600 "            |                      |                             |
| REVERSE GEAR             | MANUAL               | SUPERHEATING SURFACE    | 396 "             |                      |                             |

SERVICE - FREIGHT  
 BUILDER - AM. LOCO. CO. LIMA LOCO WKS. & BALD. LOCO. WKS.  
 DATE BUILT - 1942 & 1943

2-8-O CONSOLIDATION TYPE  
 AFRICAN THEATRE

U.S.A. NOS. 1600 - 1926  
 2032 - 2331  
 4043 - 4072

ENGINES BUILT TO U.S. ARMY SPECIFICATION  
 NO. T-1569 AND TO COMPOSITE CLEARANCE  
 DIAGRAM A.L.CO. DRAWING NO. 995-S-165360



|  |                |   |                |
|--|----------------|---|----------------|
| WEIGHT LOADED ON DRIVERS - COAL - 140,000# | OIL - 136,000# | GRATE AREA  | 41 SQ. FT.     |
| " " ENGINE TRUCK - COAL - 81,000#          | OIL - 72,000#  | HEATING SURFACE - FIREBOX & ARCHTUBES                         | 143 SQ. FT.    |
| " " TOTAL ENGINE - "                       | 161,000#       | " - TUBES & FLUES   | 1672 "         |
| " " TENDER - "                             | 115,500#       | " - TOTAL   | 1765 "         |
| " " ENGINE & TENDER - "                    | 276,500#       | " - SUPERHEATER   | 471 "          |
| " " TENDER - "                             | 147,100#       | RATIO GRATE AREA TO HEATING SURFACE                           | 1 TO 4305      |
| " " ENGINE & TENDER                        | 39,400#        | LUBRICATOR - TWO 10-PINT & FEED "NATHAN" MECHANICAL           |                |
| TRACTIVE POWER AT 85%                      | 4.45           | FOR VALVES, CYLS, GUIDES, ENG. TRK. BOXES & DRIVING BOXES.    |                |
| FACTOR OF ADHESION                         | 2.85 LBS.      | INJECTORS - TWO "NATHAN" NON-LIFTING - 4000 GALS. CAPY. EACH. |                |
| STEAM PRESSURE                             | MANUAL         | WATER GAUGES - "NATHAN" REFLEX WATER GAUGE ON LEFT            |                |
| VALVE GEAR                                 | WALSCHAERT     | SIDE - THREE GAUGE COCKS ON RIGHT SIDE.                       |                |
| REVERSE GEAR                               | MANUAL         | LOWEST WATER READING - 4 1/4" ABOVE HIGH POINT OF CROWN.      |                |
|  |                | GRATES - HULSON RENEWABLE FINGER TYPE.                        |                |
|  |                | ARCH TUBES - THREE 30-D. NO. 7 B.M.G.                         |                |
|  |                | WHEELS - ENG. TRUCK - 35" DIA. ROLLED STEEL                   |                |
|  |                | WHEELS - TEN. TRUCK - 35" DIA. CAST IRON                      |                |
|  |                | BLOW OFF COCKS - OKADEE, TYPE FSD (FLANGED)                   |                |
|  |                | SAFETY VALVES - TWO 3" COALE. J. OPEN & L. MUFFLED            |                |
|  |                | SANDERS - STEAM OPERATED                                      |                |
|  |                | SAND BOX CAPY   | 13 1/2 CU. FT. |
|  |                | SUPERHEATER - SUPERHEATER CO. TYPE "A"                        |                |
|  |                | THROTTLE - BALANCED TYPE, IN DOME                             |                |
|  |                | AIR PUMP - ONE W.A.B. CO. 9 1/2"                              |                |
|  |                | BRAKES - ENG. & TEN. - STEAM, TRAIN-AIR & VACUUM              |                |
|  |                | MAXIMUM CURVE   | 2.5°           |

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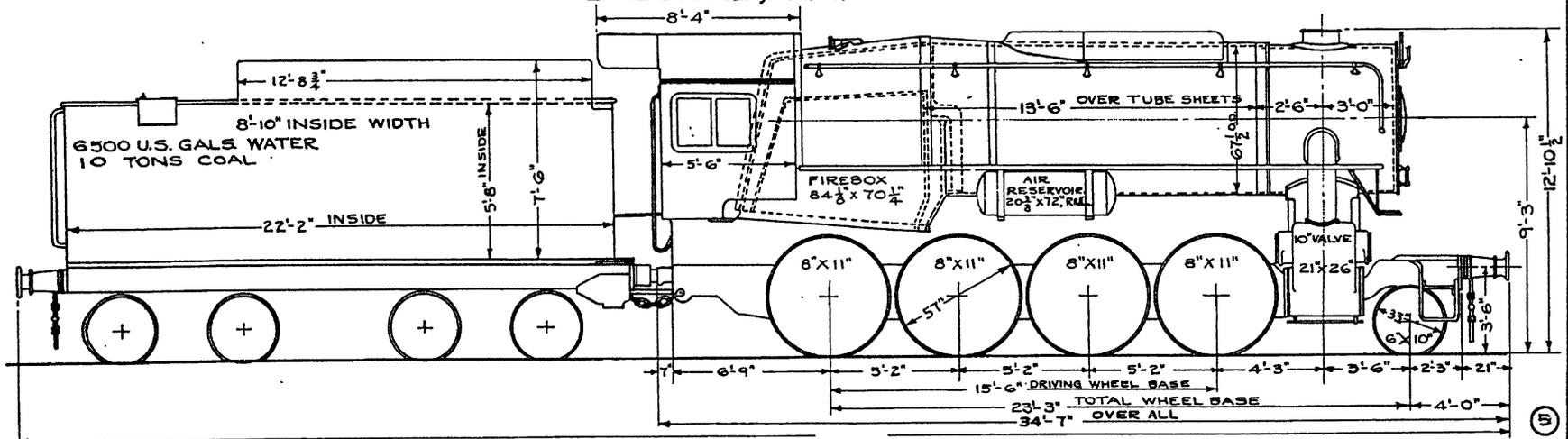
TENDER FRAME  
 SEE PAGE 103

SEE NOTE.

END LADDER  
 ON LEFT SIDE

2-8-0 CONSOLIDATION TYPE  
CLABORNE, LA.

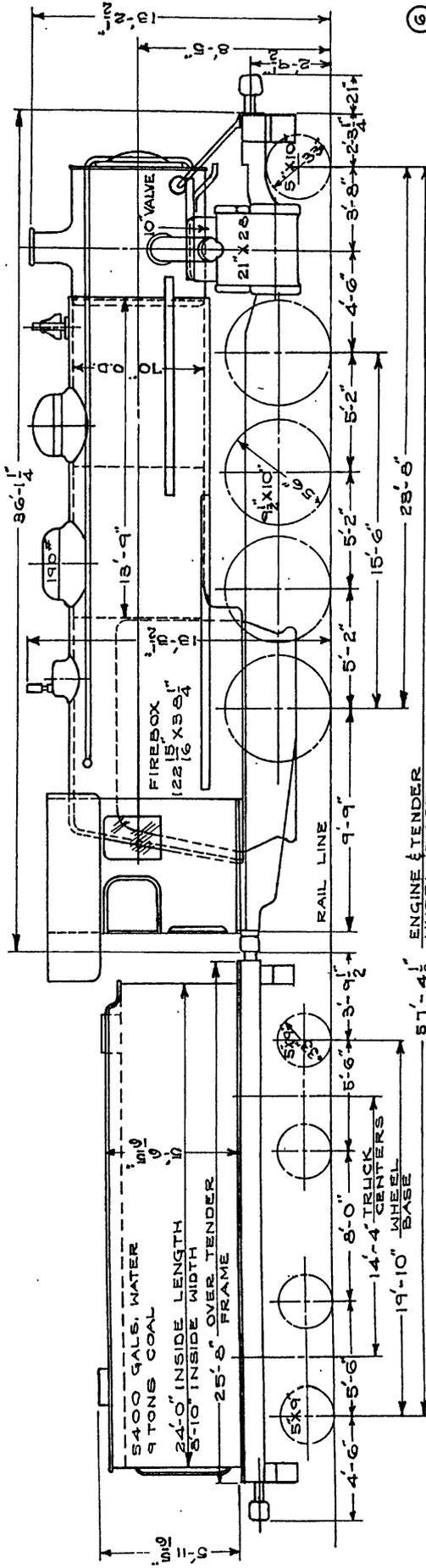
U.S.A. Nos. 10, 11



|   |                        |  |
|---|------------------------|--|
| WEIGHT LOADED ON-DRIVERS                                | 161,300 LBS.           | INJECTORS- SELLERS U.S. STANDARD, TYPE 'A'; #10½ SPECIAL |
| " " - ENGINE TRUCK                                      | 19,500 "               | WATER GAUGES- NATHAN "WB" TYPE "C"                       |
| " " - TOTAL ENGINE                                      | 180,800 "              | LOWEST WATER READING- 3" ABOVE HIGHEST POINT OF CROWN    |
| " " - TENDER  | 123,600 "              | WHEELS ROLLED STEEL                                      |
| " " - ENG. & TENDER                                     | 304,400 "              | BLOW OFF COCKS 1½" EVERLASTING THROAT                    |
| TRACTIVE POWER AT 77%                                   | 37,100 "               | SAFETY VALVES 2½" CONSOLIDATED, 1 MUFF, 1 OPEN           |
| FACTOR OF ADHESION                                      | 4.35                   | GAUGE 4'-8½"   |
| STEAM PRESSURE  | 210 LBS.               | MAXIMUM CURVE 20°  |
| VALVE GEAR  | WALSCHAERT             | DATE BUILT 1942  |
| REVERSE GEAR  | AIR- FRANKLIN TYPE "B" | TUBES 173- 2" DIA.                                       |
| GRATE AREA  | 43 SQ. FT.             | FLUES 30- 5½" DIA.                                       |
| HEATING SURFACE- FIREBOX & ARCH T. 156 "                |                        | SUPERHEATER - SUPERHEATER CO'S. TYPE 'A'; 1½" PIPES      |
| " " - TUBES & FLUES 1781 "                              |                        | CYLINDER COCKS "OKADEE" CC-178                           |
| " " - TOTAL 1937 "                                      |                        | SANDERS "VILOCO" AL-110                                  |
| SUPERHEATER SURFACE 467 "                               |                        | COUPLING DEVICE A.A.R. TYPE                              |
| LUBRICATION- IWEST F-1-A, INATHAN DV-3, 6 FEED, 16 PINT |                        | HEADLIGHT 2 PN # C-630-12"                               |

2-00 PERSHING TYPE  
CLAIBORNE  
L.A.

U.S.A. NOS. 20

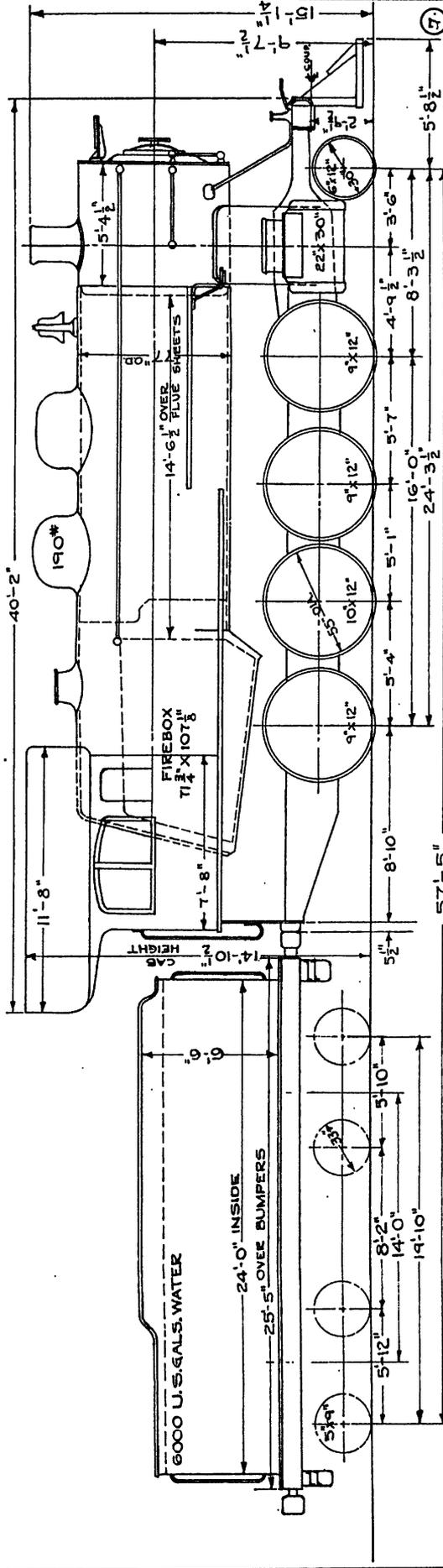


|                           |                                |                     |                            |                                   |                 |
|---------------------------|--------------------------------|---------------------|----------------------------|-----------------------------------|-----------------|
| WEIGHT ON DRIVERS         | 15,000 LBS.                    | TUBES               | 165                        | HEADLIGHT                         | 19" OIL BURNING |
| " ENGINE TRUCK            | 16,000 LBS.                    | FLUES               | 26                         | CROSSHEAD                         | ALLIGATOR       |
| TOTAL ENGINE WEIGHT       | 19,000 LBS.                    | LENGTH OVER SHEETS  | 13'-9"                     | SANDERS                           | LEACH-AIR       |
| WEIGHT OF TENDER & ENGINE | 219,000 LBS.                   | STEAM PRESSURE      | 190 LBS.                   | LENGTH OVER BUFFERS (ENG. & TEN.) | 65'-11 3/4"     |
| TRACTIVE POWER            | 25,600 LBS.                    | SAFETY VALVES       | 2 - CONSOLIDATED - 9"      |                                   |                 |
| GRATE AREA                | 32.7 SQ. FT.                   | BLOW OFF COCKS      | 1 - FRONT                  |                                   |                 |
| MAXIMUM CURVE             | 550 FT. RADIUS                 | INJECTORS           | 2 - HANCOCK TYPE A.N.O. 10 |                                   |                 |
| HEATING SURFACE           | SUPERHEATER FINS - 800 SQ. FT. | WATER GAUGE         | 1 - B.L.W.                 |                                   |                 |
| "                         | BOILER TUBES 1821              | VALVE GEAR          | WALSCHAERTS                |                                   |                 |
| "                         | FIREBOX                        | LUBRICATORS         | MICHIGAN FINE FEED         |                                   |                 |
| "                         | TOTAL                          | REVERSE GEAR        | HAND OPERATED              |                                   |                 |
| SUPERHEATING SURFACE      | 420                            | DRIVERS JOURNAL     | 9/2 X 10                   |                                   |                 |
| GAUGE                     | 4"-8 1/2"                      | FRONT TRUCK JOURNAL | 5" X 10                    |                                   |                 |
| BOILER                    | .517" DIA.                     | BRAKE VALVES        | WESTINGHOUSE - AMER.       |                                   |                 |

(6)

2-8-0 CONSOLIDATION TYPE, CLAIBORNE, LA.

U.S.A. NOS. 22



|                             |                |                    |                       |                |               |
|-----------------------------|----------------|--------------------|-----------------------|----------------|---------------|
| WEIGHT LOADED ON ENG. TRUCK | 20,000 LBS.    | BOILER             | 77" DIA. S.T.         | AIR COMPRESSOR | 2 WEST 9 1/2" |
| " DRIVERS                   | 178,200 "      | TUBES              | 40 1/2"               | GAUGE          | 4-8 1/2"      |
| " TOTAL ENG.                | 198,200 "      | DIA. OF TUBES      | 2"                    |                |               |
| " ENG. & TENDER             | 319,900 "      | LENGTH OVER SHEETS | 14'-6 1/2"            |                |               |
| TRACTIVE POWER              | 42,600 "       | STEAM PRESSURE     | 190*                  |                |               |
| FACTOR OF ADHESION          | 4.22           | SAFETY VALVES      | 2-3 1/2" CONSOLIDATED |                |               |
| VALVE GEAR                  | STEPHENSON     | BLOW OFF COCKS     | 3 THROAT R & L        |                |               |
| REVERSE GEAR                | JOHNSON BAR    | FUSIBLE PLUGS      | NONE                  |                |               |
| HEATING SURFACE-FIREBOX     | 144 SQ. FT.    | LUBRICATORS        | HYDRO                 |                |               |
| " -TUBES                    | 3036 "         | CYLINDERS          | 22 X 30"              |                |               |
| " -TOTAL                    | 3180 "         | HEADLIGHT          | ELECTRIC              |                |               |
| SUPERHEATING SURFACE        | NONE           | CROSSHEAD TYPE     | ALLIGATOR             |                |               |
| GRATE AREA                  | 53,450 SQ. FT. | COUPLING DEVICE    | A.A.R.                |                |               |

2-8-2 STANDARD GAUGE  
MIKADO TYPE

ALL LOCOMOTIVES ARE EQUIPPED WITH "HENNESSY" JOURNAL LUBRICATORS ON DRIVERS, ENGINE TRUCK, TRAILER TRUCK AND TENDER TRUCKS.  
ALL LOCOMOTIVES ARE EQUIPPED WITH ONE "ASHCROFT" No. 114-6 DOUBLE DIAL STEAM GAUGE - RANGE - 0 TO 400 LBS.  
NINETY-FIVE LOCOMOTIVES WERE EQUIPPED WITH PYLE-NATIONAL ELECTRIC HEADLIGHT EQUIPMENT AFTER BEING PLACED IN SERVICE. REMAINING 105 LOCOMOTIVES ARE EQUIPPED WITH OIL LAMPS AS ORIGINALLY BUILT.

BRAKES

| LOCO. NOS.                          | No. OF UNITS    | KIND OF BRAKES   | REMARKS            |
|-------------------------------------|-----------------|--|--------------------|
| 1000-1018                           | 19              | STEAM AND AIR  | ENGINE AND TENDER. |
| 1025-1031                           | 7               |  |                    |
| 1082-1090                           | 14              |  |                    |
| 1019-1024<br>1037-1081<br>1071-1199 | 160             | STEAM  | ENG. & TEN.        |
|                                     |                 | EQUIPPED FOR VACUUM TRAIN BRAKE OPERATION.                 |                    |
| 1000 TO 1199                        | 200 (ALL LOCOS) | EQUIPPED WITH STEAM ENGINE AND TENDER BRAKES.              |                    |
|                                     |                 | EQUIPPED WITH WESTINGHOUSE AIR BRAKE COs. 9 1/2" AIR PUMP. |                    |

(8)

FUEL

| LOCO. NOS.   | No. OF UNITS | KIND OF FUEL | REMARKS   |
|--------------|--------------|--------------|---|
| 1000 TO 1024 | 25           | COAL         | CAN BE CONVERTED FROM COAL TO OIL, OR VICE VERSA. |
| 1154 TO 1162 | 9            |              |   |
| 1025 TO 1153 | 166          | OIL          |   |
| 1163 TO 1199 |              |              |   |

OIL BURNING LOCOMOTIVES

|   |              |
|---|--------------|
| WEIGHT LOADED ON DRIVERS                        | 141,000 LBS. |
| " " ENGINE TRUCK                                | 14,500 "     |
| " " TRAILER TRUCK                               | 36,500 "     |
| " " TOTAL ENGINE                                | 200,000 "    |
| " " TENDER                                      | 31,000 "     |
| " " ENG. & TENDER                               | 331,000 "    |
| LIGHT WEIGHT OF ENGINE                          | 178,100 "    |
| " " TENDER                                      | 55,700 "     |
| " " ENG. & TENDER                               | 233,800 "    |
| HEATING SURFACE - FIRE BOX                      | 162 SQ. FT.  |
| " " TOTAL                                       | 2147 " "     |
| RATIO GRATE AREA TO HEATING SURFACE - ITO 45.68 |              |

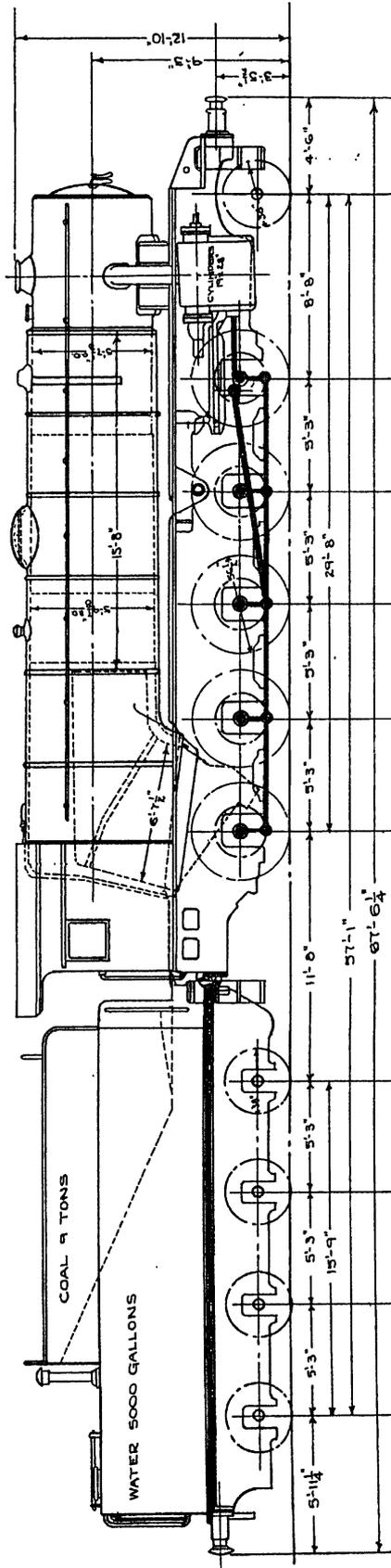
| LOCOMOTIVE NUMBERS | NUMBER OF UNITS | FUEL | PURCHASE ORDER NUMBER | BUILDER | BUILDER'S SERIAL NUMBERS |
|--------------------|-----------------|------|-----------------------|---------|--------------------------|
| 1000 TO 1012       | 13              | COAL | 1493                  | B.L.W.  | 64503-64515              |
| 1013 TO 1018       | 6               | "    | 1492                  | LIMA    | 7893-7898                |
| 1019 TO 1024       | 6               | "    | 1494                  | A.L.CO  | 70032-70037              |
| 1025 TO 1081       | 57              | OIL  | 1493                  | B.L.W.  | 64516-64572              |
| 1082 TO 1145       | 64              | "    | 1492                  | LIMA    | 7899-7962                |
| 1146 TO 1153       | 8               | "    | 1494                  | A.L.CO. | 70038-70041              |
| 1154 TO 1162       | 9               | COAL | "                     | "       | 70083-70086              |
| 1163 TO 1199       | 37              | OIL  | "                     | "       | 70087-70095              |
|                    |                 |      |                       |         | 70096-70132              |







BRITISH BUILT AUSTRITY 2-10-0 LOCOMOTIVE



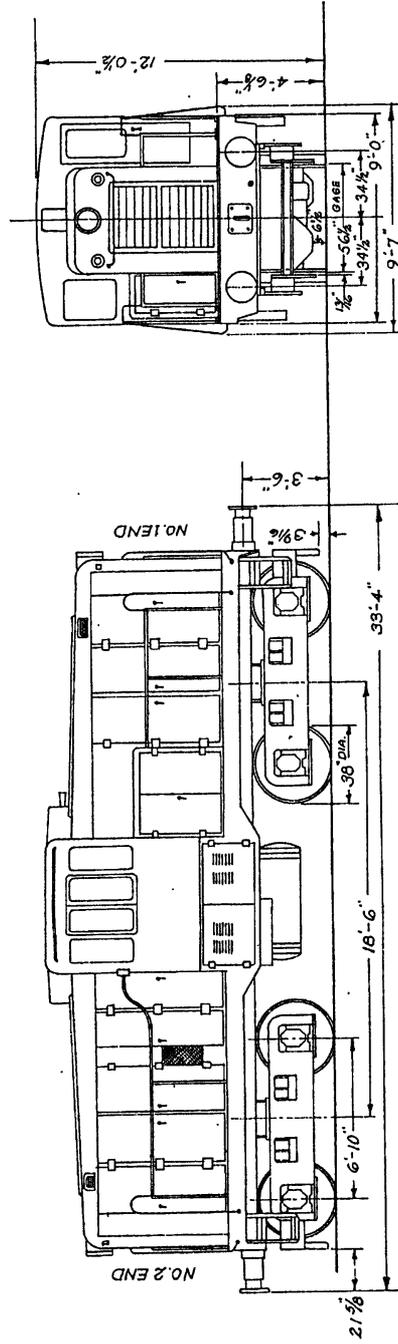
|                                   |                      |                                     |                                     |   |                              |
|-----------------------------------|----------------------|-------------------------------------|-------------------------------------|---|------------------------------|
| WEIGHT OF ENGINE IN WORKING ORDER | 175,840 <sup>W</sup> | WHEELS LEADING TRUCKS, DIA.         | 31.2'                               | BOILER & ARCH TUBES                         | STEEL                        |
| WEIGHT OF TENDER IN WORKING ORDER | 124,320 <sup>F</sup> | WHEEL BASE COUPLED                  | 11.0'                               | FLUE TUBES                                  | STEEL                        |
| TOTAL WEIGHT OF ENGINE & TENDER   | 300,160 <sup>W</sup> | WHEEL BASE TOTAL                    | 22.0'                               | AXLES                                       | STEEL                        |
| TRACTIVE FORCE 85%                | 255,136 <sup>W</sup> | CYLINDERS                           | 2                                   | TYRES - COUPLED                             | STEEL                        |
| ADHESION WEIGHT                   | 255,136 <sup>W</sup> | PISTON STROKE                       | 20"                                 | CONNECTING RODS                             | FORGED STEEL                 |
| BOILER PRESSURE                   | 225 LBS.             | PISTON VALVE DIA.                   | 10"                                 | COUPLING RODS                               | "                            |
| REVERSE GEAR                      | MANUAL               | SAFETY VALVES - MAX. TRAVEL         | 2.0"                                | CRANK PINS                                  | "                            |
| GRATE AREA                        | 40 SQ. FT.           | WATER GAUGES                        | 2                                   | ECCENTRIC CRANKS                            | "                            |
| BOILER HEATING SURFACE            | 158 SQ. FT.          | PRESSURE GAUGES - BOILER & STEAM    | 2                                   | DRAW HOOKS                                  | "                            |
| LARGE TUBES                       | 110 "                | INJECTORS                           | 2                                   | PISTON RODS, SLIDE BARS, REVERSING SCREW    | "                            |
| SMALL TUBES                       | 192 "                | LUBRICATORS                         | 2                                   | SCREW COUPLINGS                             | "                            |
| FIREBOX INCLUDING ARCH TUBES      | 192 "                | BRAKES                              | 2                                   | LAMINATED SPRINGS                           | "                            |
| TOTAL EVAPORATIVE SURFACE         | 413 "                | BOILER SHELL PLATE                  | STEEL                               | DRIVING WHEEL CENTRES (EXCEPT MAIN DRIVING) | HIGH DUTY CAST IRON          |
| COMBINED TOTAL                    | 2374 "               | INNER FIREBOX                       | COLVILLE'S DOUBLE CROWN BRAND-STEEL | MAIN DRIVING WHEEL CENTRES                  | CAST IRON                    |
|                                   |                      | WATERSPACE STAYS - RIGID & FLEXIBLE | COLVILLE'S O.H. STEEL               | TENDER WHEELS                               | STEEL, SOLID FORGED & ROLLED |
|                                   |                      | ROOF STAYS - RIGID & FLEXIBLE       | STEEL                               | LEADING TRUCK WHEELS                        | "                            |
|                                   |                      | DRIVING WHEELS - DIA.               | 45.8 1/2"                           | GAUGE                                       | 45.8 1/2"                    |

(12)



U.S.A. NOS 7924 - 7929  
8499 - 8528  
8586

**GENERAL ELECTRIC DIESEL**  
360 H.P.



|                        |                                      |                   |                         |  |
|------------------------|--------------------------------------|-------------------|-------------------------|--|
| WEIGHTS ON DRIVERS     | 45 TONS                              | CONTROL EQUIPMENT | GENERAL ELECTRIC        | BRAKE - POWER - WESTINGHOUSE - AIR BRAKE CO. |
| TOTAL HORSEPOWER       | 380 H.P.                             | BATTERIES         | 32 CELL PHILCO CORP.    | PUMPS MODEL 4-YC                             |
| RATIO OF ADHESION      | RESTRICTION                          | TRACTIVE FORCE    | STARTING                | HAND BRAKE                                   |
| MAX. SPEED             | 1100 R.P.M.                          | 5 MPH             | CAPACITY                | TRUCKS                                       |
| ENGINE TYPE            | 2-D-17000 CATERPILLAR 8 CYL. V. TYPE | FUEL              | 22,000 LBS.             | PEDESTAL TYPE                                |
| CYLINDER BORE & STROKE | 5 3/4 BORE 8 STROKE                  | COOLING WATER     | 40 GALLONS PER ENG.     | WHEELS                                       |
| ELECTRICAL GENERATOR   | 2-GT - 555 A.I. TRACTION GENERATORS  | MISCELLANEOUS     | GRAHAM WHITE SANDER CO. | LIMITING DIMENSIONS                          |
| EXCITER                | 2-GM6-1A0BI                          | TRACTION MOTOR    | BLOWER                  | GAUGE  |
| MOTORS                 | GE - 733 HI                          | DRAFT GEAR        | EUROPEAN TYPE           | MAX. WIDTH OF ENGINE                         |
|                        |                                      | COUPLER           | HOOK & LINK             | TO & OF BUFFERS                              |
|                        |                                      | AIR BRAKE         |                         | JOURNAL SIZED                                |



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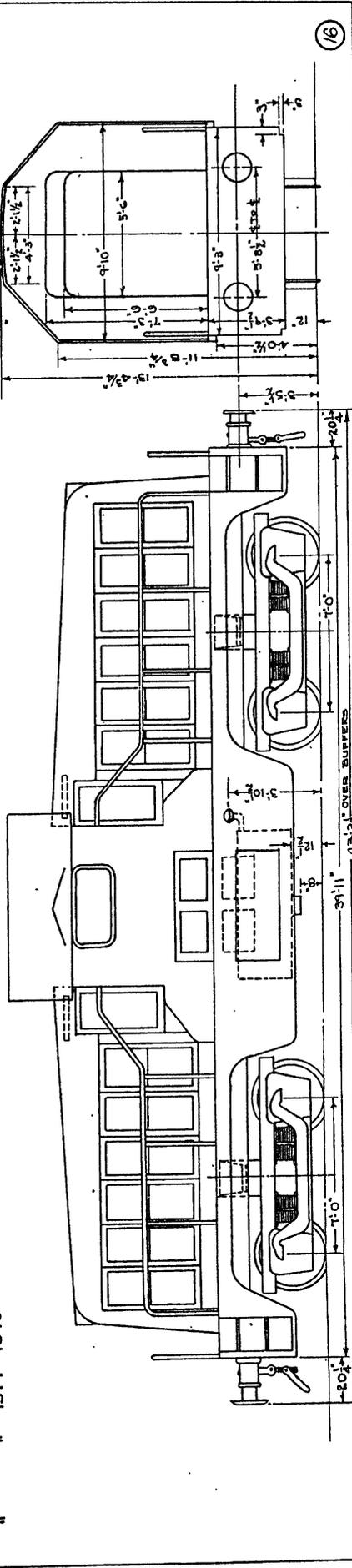
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WHITCOMB NOS. 1537-1576  
" " 1577-1596

WHITCOMB DIESEL 0-4-4-0

U.S.A. NOS. - 1232-1259  
1260-1271



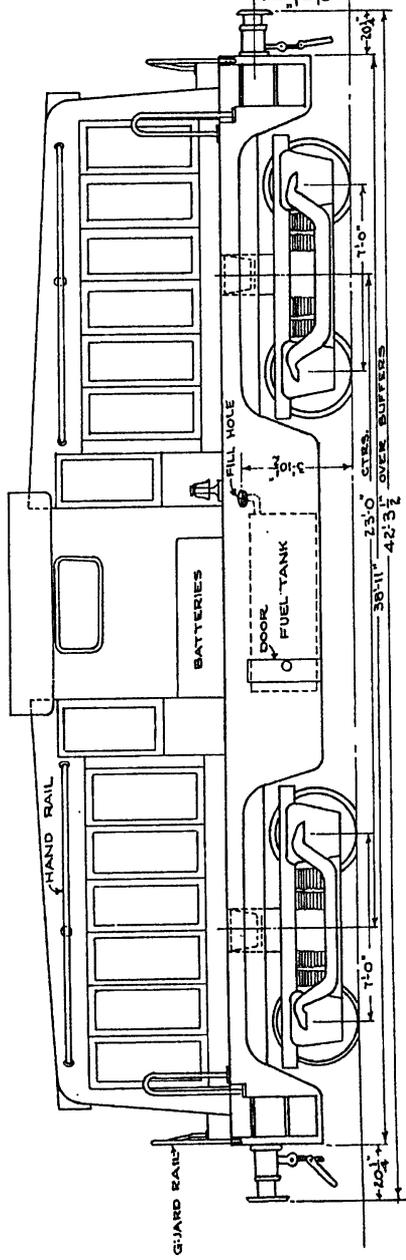
|  |                             |  |                                       |   |   |
|--|-----------------------------|--|---------------------------------------|---|---|
| WEIGHTS  | 73 TONS                     | CONTROL EQUIPMENT  | WESTINGHOUSE ELEC. CO                 | AIR BRAKE:                                | BRAKE POWER, NEW YORK AIR BRAKE CO.     |
| ON DRIVERS - WITHOUT ARMOR   | 76 TONS                     | ENGINE STARTING, MAIN GENERATOR                            | WESTINGHOUSE                          | PUMPS, QUINCY, 40 C.F.M. PER UNIT         | PUMP, CAP AT FULL ENG. SPEED, MODEL 340 |
| ON DRIVERS - WITH ARMOR  | 8225 LBS.                   | BATTERY CHARGING, U.S.A. NOS. 1232-1259, LEECE NEVILLE CO. |                                       | VACUUM PUMP - GARDNER DENVER TYPE, A.C.S. | HAND BRAKE - AJAX CO.                   |
| BUDA ENGINE U.S.A. NOS. 1232-1259, 6-DHS-1879 EACH                   | 6420 LBS.                   | ENGINE SAFETY CONTROL                                      | FULTON SYLPHON CO.                    | HEADLIGHT                                 | 250 W. PYLE NATIONAL                    |
| U.S.A. NOS. 1260-1271, 6-DCS-1874 EACH                               | 6420 LBS.                   | BATTERIES  | TYPE 4-DL-25-1R, 32 CELLS             | GEAR RATIO                                | 16.79                                   |
| TRACTION MOTORS  | 5430 LBS.                   | TRACTIVE EFFORT:   |                                       | LIMITING DIMENSIONS:                      |   |
| COMPLETE INCLUDING GEARS & GEAR CASE                                 | 1600 LBS.                   | STARTING, 30% ADHESION                                     | 45600 LBS.                            | GAUGE                                     | 4'-8 1/2"                               |
| ARMATURE   | 110 LBS.                    | STARTING, 25% ADHESION                                     | 38000 LBS.                            | MAX. WIDTH OF ENGINES                     | 9'-10 1/4"                              |
| GEAR CASE  | 580 LBS.                    | 1 HOUR AT 6 M.P.H.   | 16600 LBS.                            | TO & OF BUFFERS                           | 5'-0"                                   |
| MAIN GENERATOR & EXCITER   | 4100 LBS.                   | CONTINUOUS AT 8 M.P.H.                                     |                                       | JOURNALS, U.S.A. NOS. 1232-1259           | 5 1/2" x 10"                            |
| MORSE POWER  | 1200 R.P.M.                 | FUEL   | 775 GALS.                             | JOURNALS, U.S.A. NOS. 1260-1271           | 6" x 11"                                |
| COMPLETE RESTRICTION, NOS. 1232-1259, 1040 R.P.M.                    | 46 M.P.H.                   | COOLING WATER 35 GALS. PER UNIT PLUS 35 AUX. GAL. TANK     | 10 1/2 GAL. PER UNIT                  | TRUCKS:                                   |   |
| MAX. SPEED RESTRICTION, NOS. 1260-1271, 1200 R.P.M.                  | 46 M.P.H.                   | OIL  | MISCELLANEOUS:                        | PEDESTAL TYPE                             |   |
| ENGINE: U.S.A. NOS. 1232-1259, TYPE 2-BUDA LANDOVA MODEL, 6-DHS-1879 | 6 1/4" BORE - 8 1/4" STROKE | SANDERS MOTOR BLOWER 2 SIBCO CO BLOWER-2000 C.F.           | TRACTION MOTOR BLOWER 2 EUROPEAN TYPE | WHEELS                                    | 38" ROLLED STEEL                        |
| ENGINE: U.S.A. NOS. 1260-1271, TYPE 2-BUDA LANDOVA MODEL, 6-DHS-1874 | 2-181-L-2 TRACTION          | DRAFT GEAR   | COUPLER-HOOK & LINK                   | WEIGHT OF EACH COMPLETE                   | 27,200 LBS.                             |
| CYLINDER   | 2-181-L-2 TRACTION          |  |                                       |   |   |
| EXCITER  | 2-WESTINGHOUSE              |  |                                       |   |   |
| MOTORS   | 4-571-W-6 TRACTION          |  |                                       |   |   |

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WHITCOMB NOS. 8120-8147

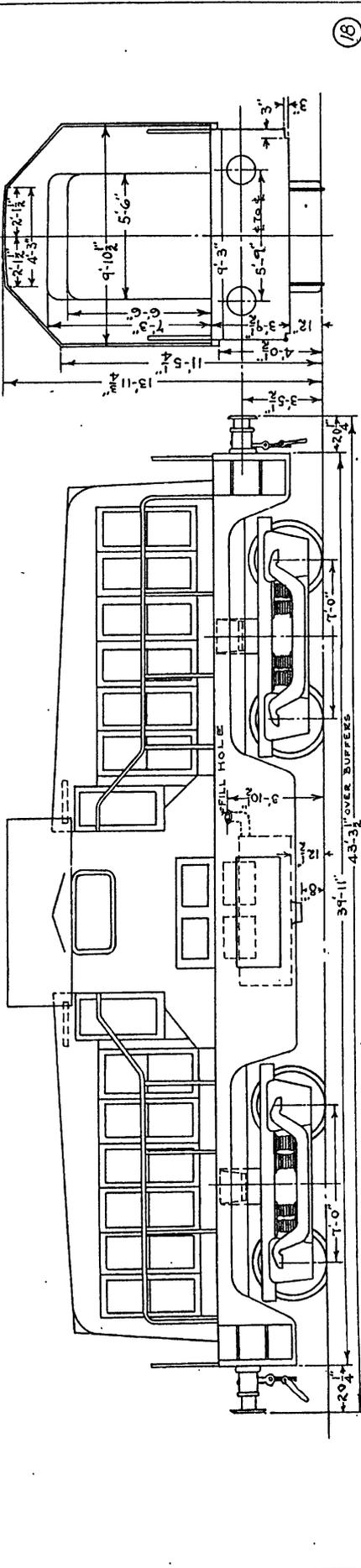
WHITCOMB DIESEL O-4-4-O

U.S.A. NOS. - 1800-



|   |             |   |         |                                     |
|---|-------------|---|---------|-------------------------------------|
| WEIGHTS:  | 65 TONS     | ENGINE STARTING - MAIN GEN. STARTING - WESTINGHOUSE               | TRUCKS: | PEDESTAL TYPE                       |
| ON DRIVERS  | 65 TONS     | BATTERY CHARGING - WESTINGHOUSE - TYPE YG-41-B                    |         |                                     |
| TOTAL LOCOMOTIVE                                      | 6925 LBS.   | ENGINE SAFETY CONTROL - FULTON SYLPHON CO.                        |         | WHEELS 42" ROLLED STEEL             |
| BUDA ENGINE 6-DCS-1879 EACH                           | 6925 LBS.   | BATTERIES - TYPE CCMX-19 KATHANODE - GOULD BATTERY CO. (81 CELLS) |         | WEIGHT OF EACH COMPLETE 29,000 LBS. |
| TRACTION MOTORS:                                      | 4560 LBS.   | TRACTION EFFORT STARTING 30% ADHESION 39,000 LBS.                 |         | LIMITING DIMENSIONS:                |
| MOTOR WITH GEARS & GEAR CASE                          | 1225 LBS.   | CAPACITY:   |         | GAUGE 4'-8 1/2"                     |
| ARMATURE COMPLETE                                     | 4615 LBS.   | FUEL  |         | MAX. WIDTH OF ENGINE 8'-11"         |
| MAIN GENERATOR  | 1855 LBS.   | COOLING WATER   |         | TO & OF BUFFERS 5'-9"               |
| GENERATOR ARMATURE & SHAFT                            | 650 H.P.    | OIL   |         | JOURNALS 6"x11"                     |
| HORSEPOWER  | 1200 R.P.M. | MISCELLANEOUS:  |         | GEAR RATIO 14.72                    |
| MAX. SPEED RESTRICTION                                | 46.5 M.P.H. | SANDERS - MORRIS B. BREWSTER CO. TYPE C-X                         |         | HEADLIGHTS                          |
| ENGINE:   |             | TRACTION MOTOR BLOWER - SIROCCO BLOWER - 2000 C.F.                |         | MULTIPLE CONTROL UNIT OPERATION     |
| TYPE, 2 BUDA L'ANOVA MODEL DCS 1879                   |             | COUPLER - HOOK & LINK TYPE  |         |                                     |
| CYLINDERS - BORE & STROKE, 6 5/8" BORE, 8 3/4" STROKE |             | AIR BRAKE:  |         |                                     |
| ELECTRICAL:   |             | BRAKE POWER - NEW YORK AIR BRAKE CO.                              |         |                                     |
| GENERATORS, 2 - TYPE 197A TRACTION GEN. SELF EXCITED  |             | PUMPS, GARDNER DENVER MODEL ADR VERTICAL 'V' - 2 STAGE            |         |                                     |
| MOTORS, 4 - TYPE NO. 910A TRACTION MOTORS             |             | HAND BRAKE  |         |                                     |
| CONTROL EQUIPMENT - WESTINGHOUSE ELEC. CO.            |             |   |         |                                     |

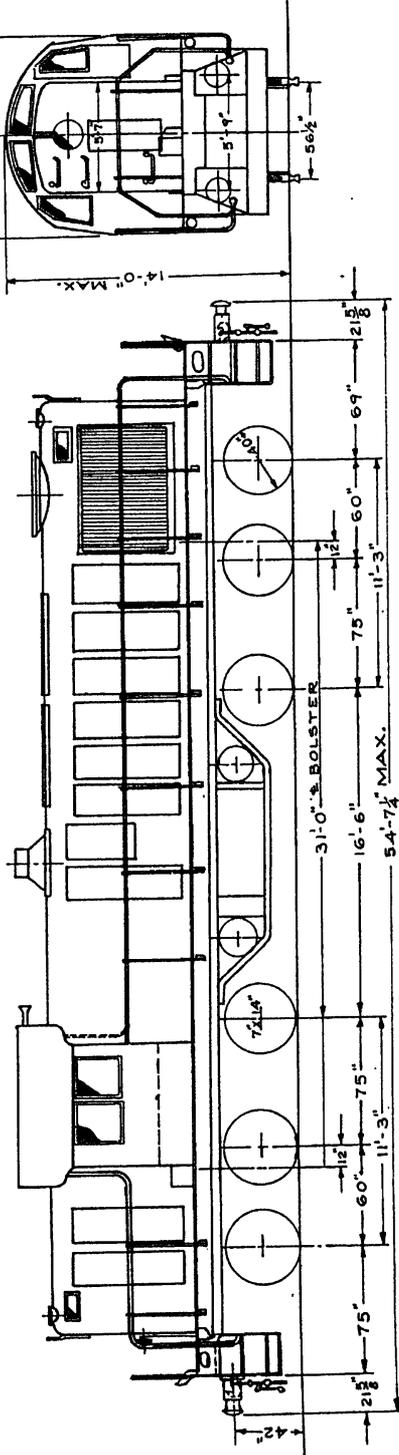
WHITCOMB NOS. 1200-1251 WHITCOMB DIESEL O-4-4-0 U.S.A. NOS. 1200-1200 INCL



|  |   |  |
|--|---|--|
| WEIGHTS:   | MOTORS 4-STIL-S6 TRACTION MOTORS                                | AIR BRAKE:                             |
| ON DRIVERS - WITHOUT ARMOR - 66 TONS                           | CONTROL EQUIPMENT - WESTINGHOUSE ELEC. CO.                      | BRAKE POWER - N.Y. AIR BRAKE CO.       |
| ON DRIVERS - WITH ARMOR - 68 TONS                              | ENGINE STARTING & BATTERY CHARGING EQUIP. - LEECE NEVILLE CO.   | PUMPS, QUINCY, 40 G.P.M. PER UNIT      |
| BLIDA ENGINE G-DHS-1879 EACH 6425 LBS.                         | ENGINE SAFETY CONTROL - FULTON SYLPHON CO.                      | PUMP CAP. AT FULL ENG. SPEED MODEL 340 |
| TRACTION MOTOR: COMPLETE INCLUDING GEARS & GEAR CASE 5430 LBS. | BATTERIES TYPE 4-DL-45-B EXIDE (16 CELLS)                       | VACUUM PUMP - GARDNER DENVER TYPE ACS  |
| ARMATURE 1600 LBS.   | TRACTION EFFORT:  | HAND BRAKE - AXAX CO.                  |
| GEAR CASE 500 LBS.   | STARTING 30% ADHESION 40000 LBS.                                | TRUCKS:                                |
| GEAR 500 LBS.  | STARTING 25% ADHESION 34000 LBS.                                | PEDESTAL TYPE                          |
| MAIN GENERATOR & EXCITER 4100 LBS.                             | HOURLY AT 6 M.P.H. 23800 LBS.                                   | WHEELS 38" ROLLED STEEL                |
| MORSE POWER 1200 H.P.M. 650 H.P.                               | CONTINUOUS AT 8 M.P.H. 16500 LBS.                               | WEIGHT OF EACH COMPLETE 21,000 LBS.    |
| MAX. SPEED RESTRICTION 1040 R.P.M. 46 M.P.H.                   | FUEL  | LIMITING DIMENSIONS:                   |
| ENGINE:  | COOLING WATER - 35 GALLONS PER UNIT PLUS 35 AUXILIARY GAL. TANK | Gauge 4 - 8 1/2"                       |
| TYPE 2-BUDA LANOVA MODEL G-DHS-1879                            | OIL 10 1/2 GALLONS PER UNIT                                     | MAX. WIDTH OF ENGINE 9' 10 1/2"        |
| CYLINDERS 6  | MISCELLANEOUS:  | TO & OF BUFFER 5 1/2" X 10"            |
| CYLINDER BORE & STROKE - 6 3/4" BORE - 8 3/4" STROKE           | SANDERS - MORRIS B. BREWSTER CO. TYPE C-X                       | GEAR RATIO 16.19                       |
| ELECTRICAL:  | TRACTION MOTOR BLOWER & SIROCCO BLOWER - 2000 C.F.              | HEADLIGHT 250W PYLE NATIONAL           |
| GENERATOR 2-181-L-2 TRACTION GENERATORS                        | DRAFT GEAR EUROPEAN TYPE  |  |
| EXCITER & WESTINGHOUSE   | COUPLER - HOOK & LINK TYPE                                      |  |

U.S.A. NOS. 8000-8057

0-6-6-0 ALCO DIESEL

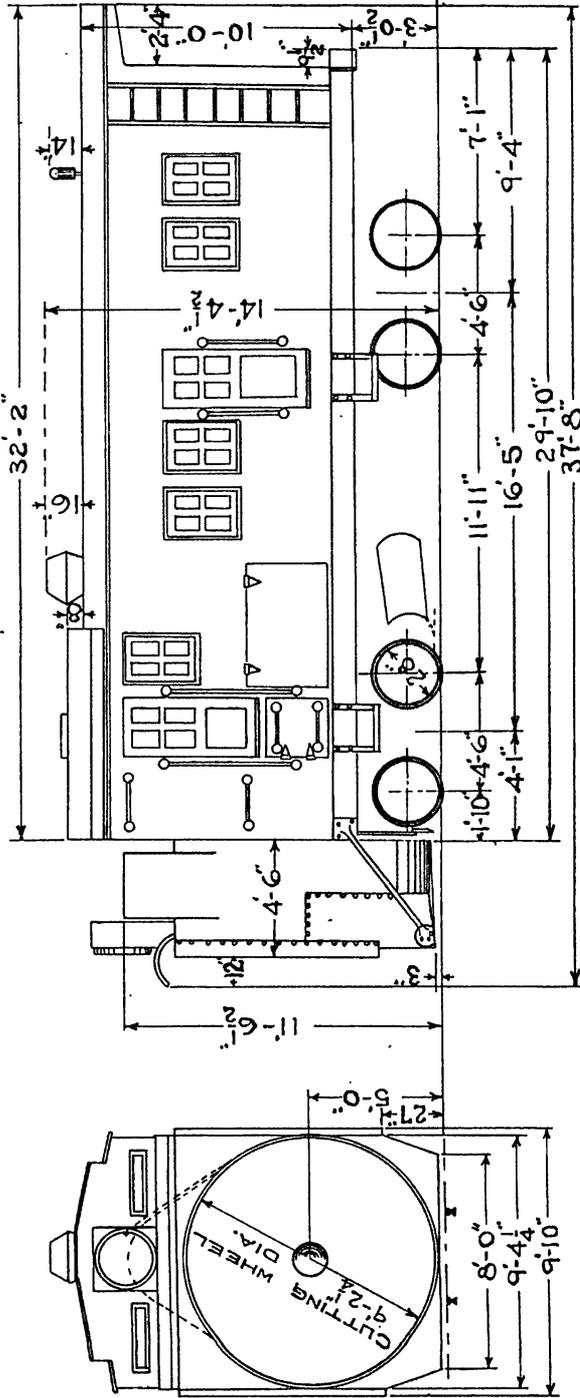


(19)

|                         |  |  |   |
|-------------------------|--|--|---|
| WEIGHTS                 | CONTROL EQUIPMENT TYPE "P" I-RIGHT SIDE      | COUPLER                                    | SCREW LINK HOOD TYPE                      |
| ON DRIVER               | RADIATOR FAN LARGE DIA. DRIVEN BY ENGINE     | AIR BRAKE                                  | WESTINGHOUSE EL-14 TYPE                   |
| TOTAL LOCOMOTIVE        | BATTERIES EXIDE IRONCLAD 32 CELL M.V.A.H.:25 | SCHEDULE                                   | BRAKE CYLINDERS - 8" X 10" X 10" TYPE "B" |
| MAX. AXLE LIMITATION    | LIGHTING CIRCUIT                             | PUMPS                                      | 83 CU. FT. PER MIN.                       |
| HORSEPOWER              | HEADL. GHT                                   | PUMP CAP AT FULL ENG. SPEED                | 228 CU. FT. PER MIN.                      |
| TRACTIVE POWER          | TRACTIVE POWER                               | RESERVOIR CAPACITY                         | 69,800 CU. INCHES                         |
| RATIO OF ADHESION       | STARTING                                     | HAND BRAKE                                 | AJAX-CONNECTED TO ONE TRUCK               |
| MAX. SPEED RESTRICTIONS | 5 M.P.H.                                     | TRUCKS                                     | TYPE 2-6 WHEEL SWIVEL EQUAL RIGID BOLSTER |
| ENGINE                  | CAPACITY                                     | WHEELS                                     | 6 PR. 40" ROLLED STEEL                    |
| TYPE                    | FUEL   | BRAKE CYLINDERS                            | 8-10" X 10" TYPE "B"                      |
| CYLINDERS               | COOLING WATER                                | LIMITING DIMENSIONS                        |   |
| BORE & STROKE           | LUBRICATING OIL                              | MAX. RADIUS OF CURVATURES [L.O.C.O. ALONE] | 25'                                       |
| DISPLACEMENT            | SAND   | GAUGE                                      | 4'-8 1/2"                                 |
| ELECTRICAL              | MISCELLANEOUS                                |  |   |
| G.E. GENERATOR          | SANDERS                                      |  |   |
| G.E. EXCITER            | TRACTION MOTOR BLOWER                        |  |   |
| G.E. MOTORS             | TYPE - GE - 731                              |  |   |
|                         | TYPE - GT-553                                |  |   |
|                         | TYPE - GMG-139                               |  |   |
|                         | TYPE - GE - 731                              |  |   |
|                         | TYPE - GT-553                                |  |   |
|                         | TYPE - GMG-139                               |  |   |
|                         | TYPE - GE - 731                              |  |   |
|                         | TYPE - GT-553                                |  |   |
|                         | TYPE - GMG-139                               |  |   |
|                         | TYPE - GE - 731                              |  |   |

NOS. ON-578

ROTARY SNOW FLOW  
WHITE PASS & YUKON ROUTE

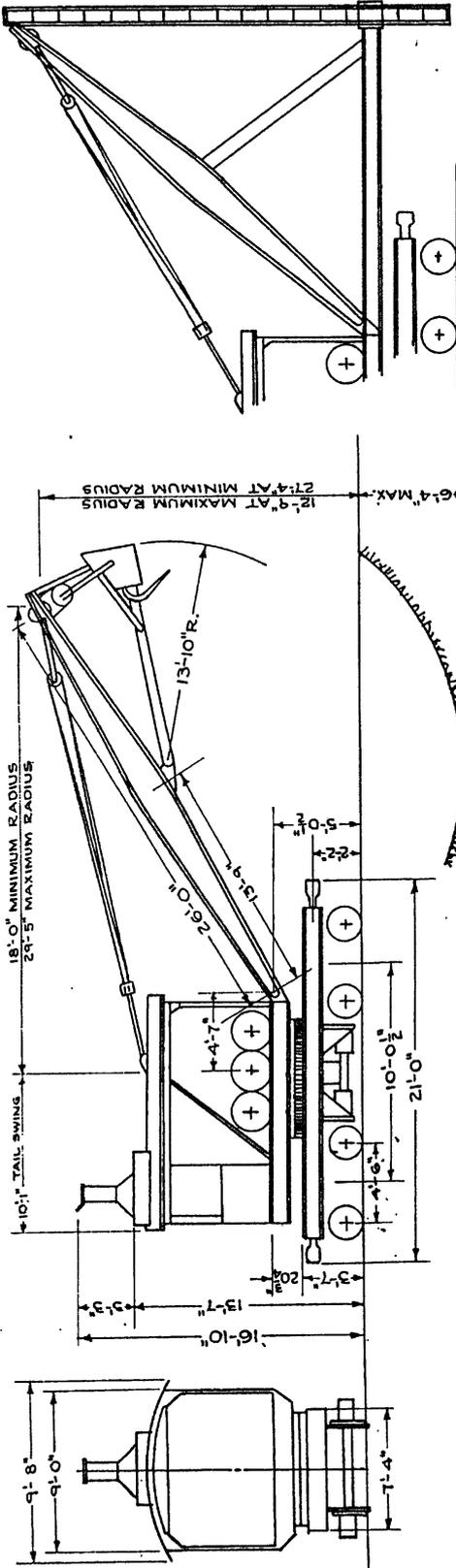


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|                              |                |
|------------------------------|----------------|
| BUILT BY - COOKE LOCO. WORKS | FEB. 1889      |
| WEIGHT                       | 101500 LBS.    |
| SATURATED STEAM              |                |
| JOURNALS 31 X 6 1/2"         |                |
| GAUGE                        | 3'-0"          |
| FORMERLY D. & R. S. W.       | NOS. ON. & OM. |

NO. 970

WHITE PASS & YUKON ROUTE DITCHER



(21)

BUILT BY AMERICAN HOIST & DERRICK CO., ST. PAUL, MINN. - 1920

BOILER DIA. 43" HEIGHT 91" 20-2" x 66" FLUES HEATING SURFACE 362 SQ. FT.

ENGINE: 2 CYLINDER 7" x 8"

DRUM: 14" DIA. 20" LONG. PULL ON SINGLE LINE 7000 LBS.

TRUCKS: M.C.B. TYPE, 60,000 LBS. CAPACITY

WHEELS: 24" DIAMETER

JOURNALS: 4 1/2" x 8"

TRAVELING CONSTANT 5.67

MAXIMUM GRADE 5%

COAL CAPACITY 1200 LBS.

WATER CAPACITY 400 GAL'S.

PILE DRIVER ATTACHMENT AS SHOWN IS PART OF EQUIPMENT

OF THIS DITCHER.

ONE PAIR OF 50' LEADS

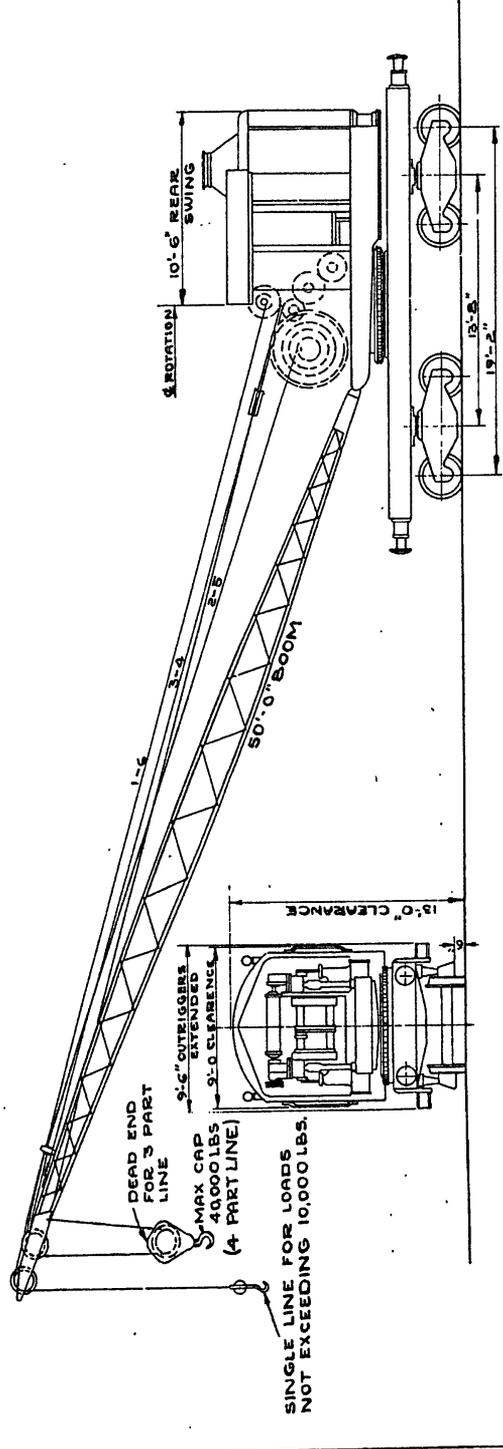
ONE 650 LB. HAMMER

ONE 1200 LB. HAMMER

GAUGE: 3'-0"

FORMERLY THE D. & R. G. W. DITCHER NO. 0W

U.S. 20 TON CRANE



(22)

| CAPACITY WITH 50 FT BOOM | NOTE -   |
|--------------------------|--|
| RADIUS FT FREE BLOCKED   | CAPACITIES ARE FOR HOOK SERVICE WHEN PROPER FALL           |
| MIN 12 40,000            | BLOCK AND NUMBER OF PARTS OF ROPE ARE USED AND ARE         |
| 15 31,200                | BASED ON LEVEL TRACK WITH CRANE FULLY COUNTERWEIGHTED      |
| 20 21,500                | AS SPECIFIED WITH COAL BUNKER AND WATER TANKS NOT          |
| 25 16,100                | LESS THAN HALF FULL.                                       |
| 30 12,700                | IN PAST ROTATING WORK ALLOWANCE MUST BE MADE FOR           |
| 35 10,200                | CENTRIFUGAL FORCE IN FIGURING THE LOADS. BE SURE TO IN-    |
| 40 8,500                 | CLUDE THE WEIGHT OF FALL BLOCK, AUX. BALL & HOOK, OR       |
| 45 7,500                 | BUCKET OR MAGNET AS PART OF THE LOAD.                      |
| MAX 50 6,400             | THE RADIUS OF A LOCO CRANE IS HORIZONTAL DISTANCE          |
|                          | FROM THE CENTER OF GRAVITY OF SUSPENDED LOAD TO            |
|                          | THE AXIS OF ROTATION OF THE CRANE.                         |
|                          | NOTE -   |
|                          | WITH HOOD * STACK, OUTRIGGERS & HEADLIGHTS                 |
|                          | REMOVED THIS CRANE WILL CLEAR OVER ALL LINES IN THE E.T.O. |

epa



45-TON STEAM CRANE

SPEEDS

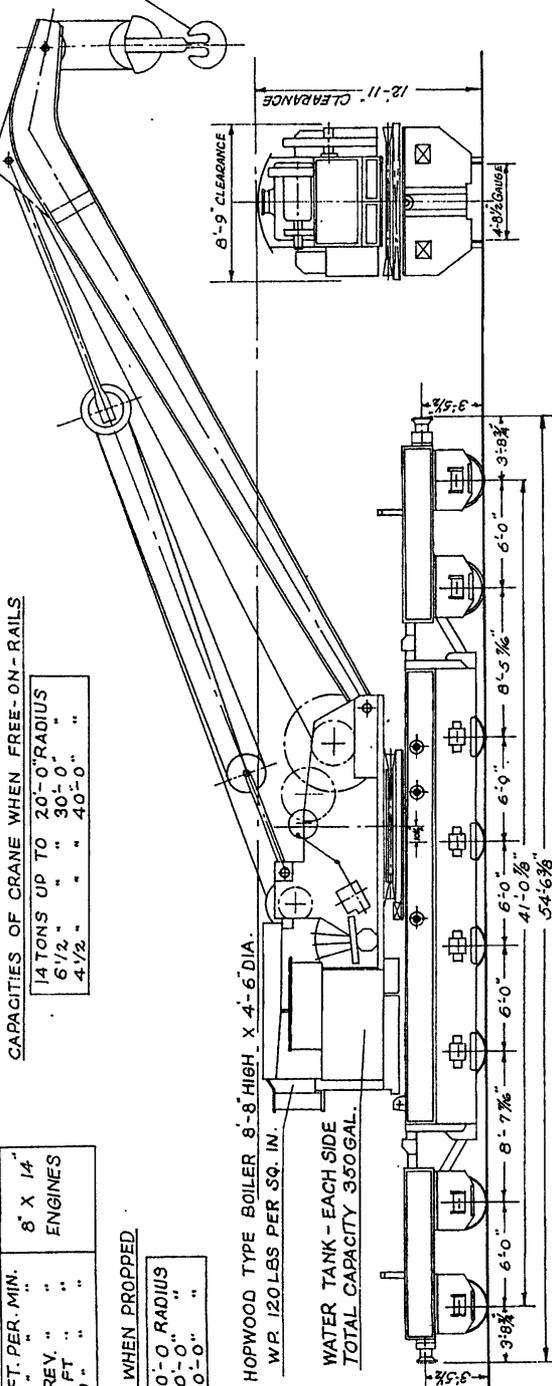
|                   |           |                     |          |
|-------------------|-----------|---------------------|----------|
| HOISTING          | 45 TONS   | AT 15 FT. PER. MIN. | 8" X 14" |
| HOISTING          | 15 "      | " 45 "              | ENGINES  |
| SLEWING           | 45 "      | " REV.              | " "      |
| TRAVELLING LOADED | AT 180 FT | " "                 | " "      |
| TRAVELLING LIGHT  | AT 270 "  | " "                 | " "      |

CAPACITIES OF CRANE WHEN FREE-ON-RAILS

|         |                     |
|---------|---------------------|
| 14 TONS | UP TO 20'-0" RADIUS |
| 6 1/2 " | " 30'-0" "          |
| 4 1/2 " | " 40'-0" "          |

CAPACITIES OF CRANE WHEN PROPPED

|         |                     |
|---------|---------------------|
| 45 TONS | UP TO 20'-0" RADIUS |
| 25 "    | " 30'-0" "          |
| 15 "    | " 40'-0" "          |

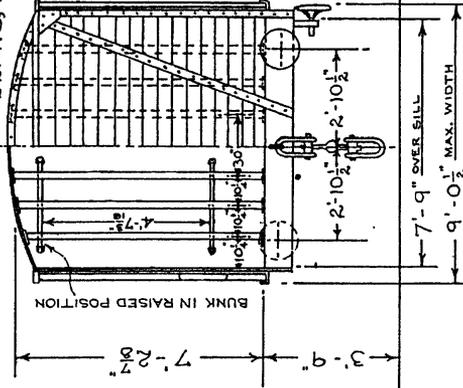
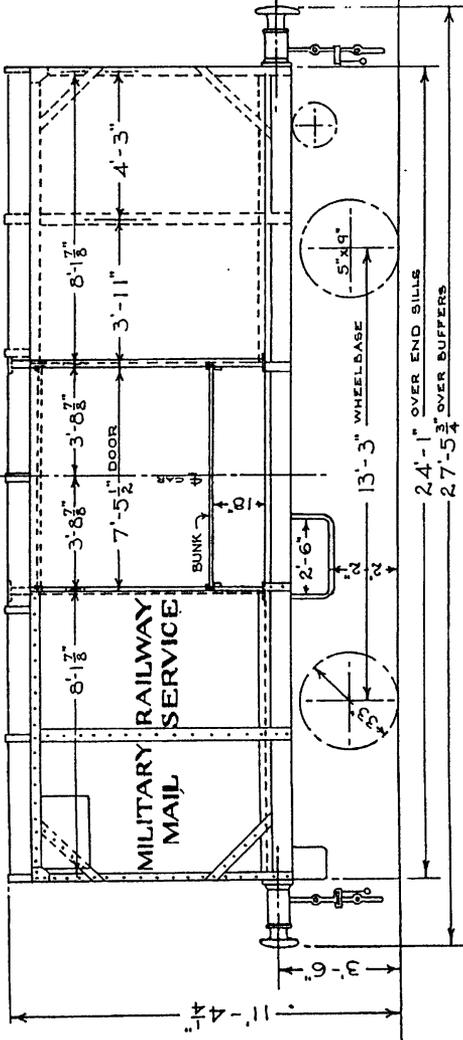






20 TON MAIL CAR (CONVERTED FROM 20 TON BOX CAR)  
AFRICAN THEATRE

U.S.A. NOS.: 221274, 221327,  
221377, 221330, 221406,  
221413, 221881, 222621,  
222661, 222667,  
222902, 222933

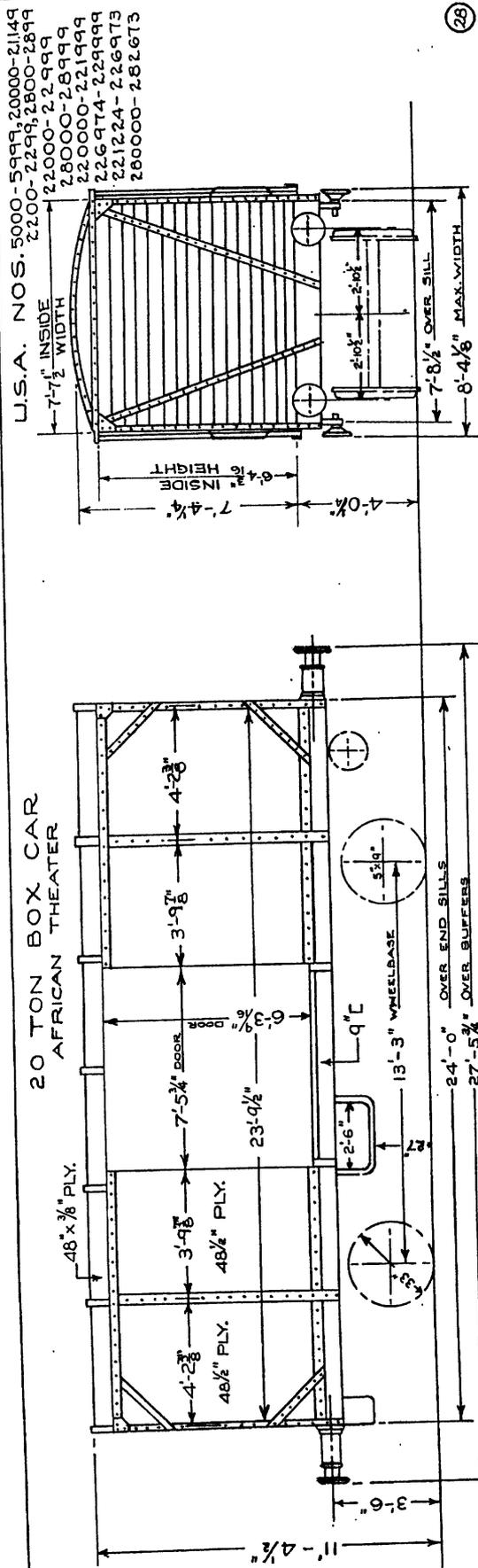


|                               |                           |  |                 |
|-------------------------------|---------------------------|--|-----------------|
| GAUGE                         | 4'-8 1/2"                 | EXTREME HEIGHT                               | 11'-4 1/2"      |
| LOAD LIMIT                    | 20 TONS                   | NO. OF AXLES                                 | 4               |
| CAPACITY                      | 20 TONS                   | WHEELS                                       | 33" C.I.        |
| LIGHT WEIGHT                  | 17,300 LBS. OR 8 1/2 TONS | SIZE OF JOURNALS                             | 5" x 4"         |
| INSIDE DIMENSIONS             | 23'-9 1/2"                | TYPE OF BRAKES - WEST 10x12" CYL. HAND & AIR |                 |
| LENGTH                        | 7'-7 1/2"                 | TYPE OF COUPLER - HOOK & SCREW               |                 |
| WIDTH                         | 6'-4 1/4"                 | BUILDERS                                     | P. S. C. M. CO. |
| HEIGHT                        | 2'-4"                     | FITTED WITH ONE BUNK.                        |                 |
| OVERALL DIMENSIONS            | 24'-0"                    |  |                 |
| OVERALL LENGTH - OVER SILLS   | 27'-5 1/2"                |  |                 |
| OVERALL LENGTH - OVER BUFFERS | 7'-8 1/2"                 |  |                 |
| WIDTH AT END SILLS            | 8'-4 1/2"                 |  |                 |
| EXTREME WIDTH                 | 5'-0 1/2"                 |  |                 |
| OVERALL HEIGHT FROM RAIL      | 10'-7"                    |  |                 |
| TO EXTREME WIDTH              |                           |  |                 |
| TO ROOF                       |                           |  |                 |

(27)

FOR ADDITIONAL INFORMATION SEE 20 TON BOX CAR-AFRICAN THEATRE

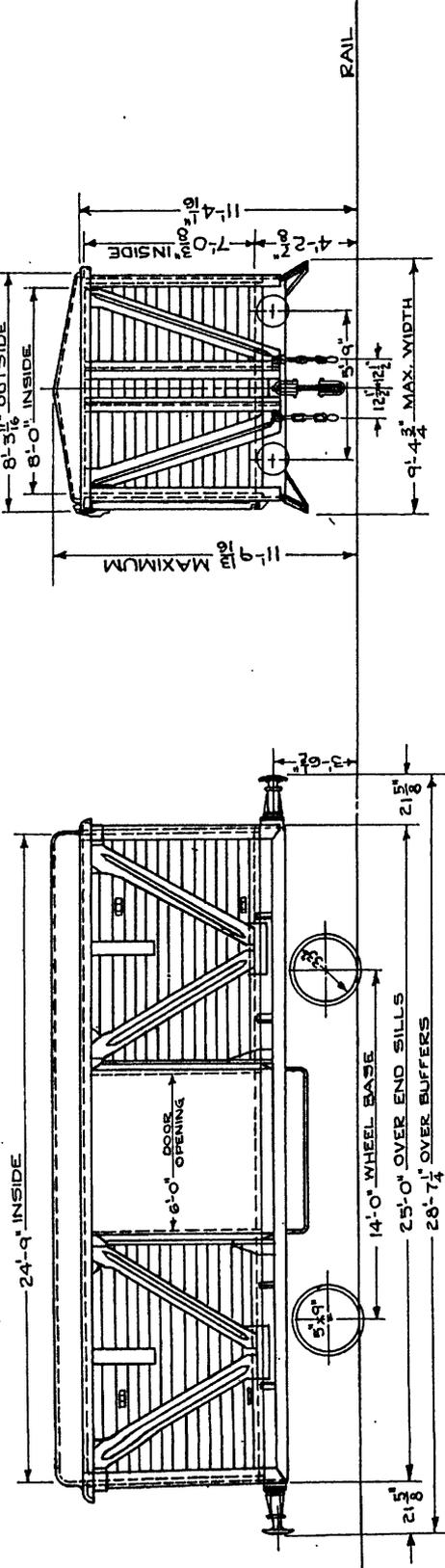
20 TON BOX CAR  
AFRICAN THEATER



|                               |                       |                       |                                |
|-------------------------------|-----------------------|-----------------------|--------------------------------|
| Gauge                         | 4'-6 1/2"             | EXTREME HEIGHT        | 11'-4 1/2"                     |
| LOAD LIMIT                    | 20 TONS               | NO. OF AXLES          | 60 LBS. 4-33'-2                |
| CAPACITY                      | 1158 CU. FT. 20 TONS  | WHEELS                | HAND & AIR WEST 10" x 12" CYL. |
| WEIGHT                        | 17,300 LBS. OR 8 TONS | SIZE OF JOURNALS      | HAND & AIR WEST 10" x 12" CYL. |
| INSIDE DIMENSIONS             | 23'-9 1/4"            | TYPE OF BRAKES        | HAND & AIR WEST 10" x 12" CYL. |
| LENGTH                        | 27'-5 3/4"            | TYPE OF COUPLER       | HAND & AIR WEST 10" x 12" CYL. |
| WIDTH                         | 8'-4 1/8"             | BUILDER               | HAND & AIR WEST 10" x 12" CYL. |
| HEIGHT                        | 11'-4 1/2"            | UNDERFRAME            | STEEL                          |
| OUTSIDE DIMENSIONS            | 27'-5 3/4"            | CENTER SILL           | 9" T @ 13.4 LBS.               |
| OVERALL LENGTH - OVER SILLS   | 24'-0"                | SIDE SILL             | 9" T @ 13.4 LBS.               |
| OVERALL LENGTH - OVER BUFFERS | 27'-5 3/4"            | END SILL              | 10" C @ 25 LBS.                |
| OVERALL LENGTH - OVER SILLS   | 24'-0"                | CROSS TIE AT PEDESTAL | 1/4" STL. PRESSING             |
| OVERALL LENGTH - OVER BUFFERS | 27'-5 3/4"            | " CENTER              | 1/4" "                         |
| WIDTH AT END SILLS            | 8'-4 1/8"             | PEDESTAL DIAPHRAGM    | 1/4" "                         |
| WIDTH AT END SILLS            | 8'-4 1/8"             | CENTER SILL SEPARATOR | 1/4" "                         |
| EXTREME WIDTH                 | 8'-4 1/8"             | SIDE POST             | 5/16" "                        |
| OVERALL HEIGHT FROM RAIL      | 11'-4 1/2"            |                       |                                |
| TO EXTREME WIDTH              | 10'-7 1/4"            |                       |                                |
| TO ROOF                       |                       |                       |                                |

U.S.A. NOS. 5000-5999

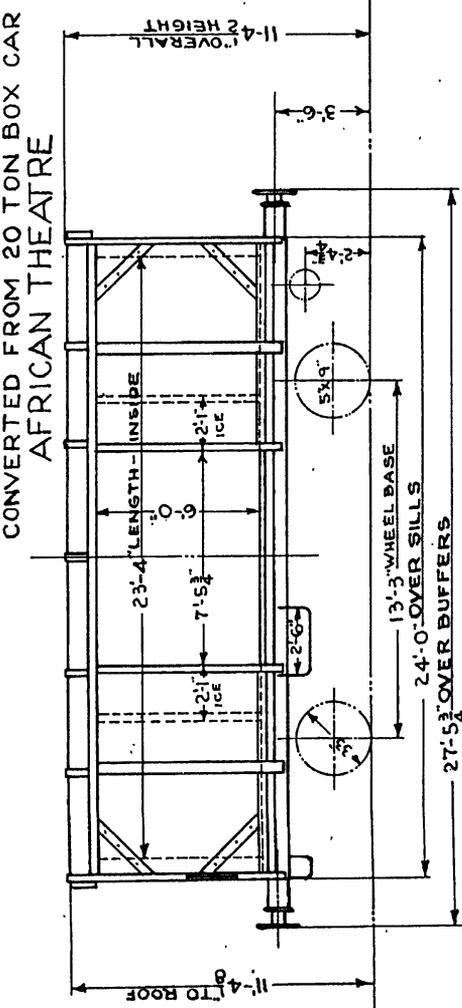
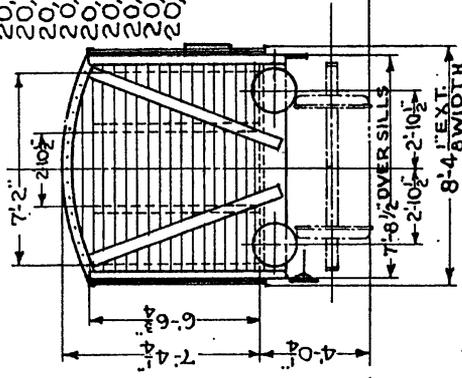
20 TON BOX CARS



|                         |                                   |                          |                     |
|-------------------------|-----------------------------------|--------------------------|---------------------|
| Gauge                   | 4'-8 1/2"                         | Outside Dimensions       | 25'-0" OVER ENDS    |
| Capacity                | 1380 CU. FT.                      | Overall Length           | 25'-0" OVER ENDS    |
| Load Limit              | 40,000 LBS.                       | Width at Eaves           | 8'-5 1/2"           |
| Type of Truck           | 20 TONS                           | Extreme Width            | 9'-4 3/4"           |
| No. of Axles            | 2                                 | Overall Height from Rail | 7'-0 3/4"           |
| Size of Journals        | 5 1/2 x 9"                        | To Extreme Width         | 11'-4 1/2"          |
| Size and Kind of Wheels | 33 CI. 60 LBS.                    | To Top                   | 11'-9 1/2" (NO. 12) |
| Type & Size of Couplers | EACH END, HOOK COUPLER, 2 BUFFERS | Extreme                  | 11'-9 1/2"          |
| Type of Brakes          | AIR K TRIPLE                      | Doors                    |                     |
| Single Sheathed         | SUF                               | Location                 |                     |
| Roof                    | PLYWOOD                           | Number                   | 2                   |
| Inside Dimensions       |                                   | Width                    | 6'-0"               |
| Length                  | 24'-9"                            | Height                   | 6'-4 1/2"           |
| Width                   | 8'-0"                             |                          |                     |
| Height                  | 7'-0 3/8"                         |                          |                     |
| Capacity                | 1380                              |                          |                     |
| CU. FT. LEVEL FULL      |                                   |                          |                     |

20 TON REFRIGERATOR CAR  
 CONVERTED FROM 20 TON BOX CAR  
 AFRICAN THEATRE

U.S.A. NOS. -- 20,020, 20,021,  
 20,022, 20,024,  
 20,025, 20,028,  
 20,029, 20,070,  
 20,071, 20,075,  
 20,078, 20,110,  
 20,116, 20,117,  
 20,118, 20,119,  
 20,380, 20,381,  
 20,384, 20,386.

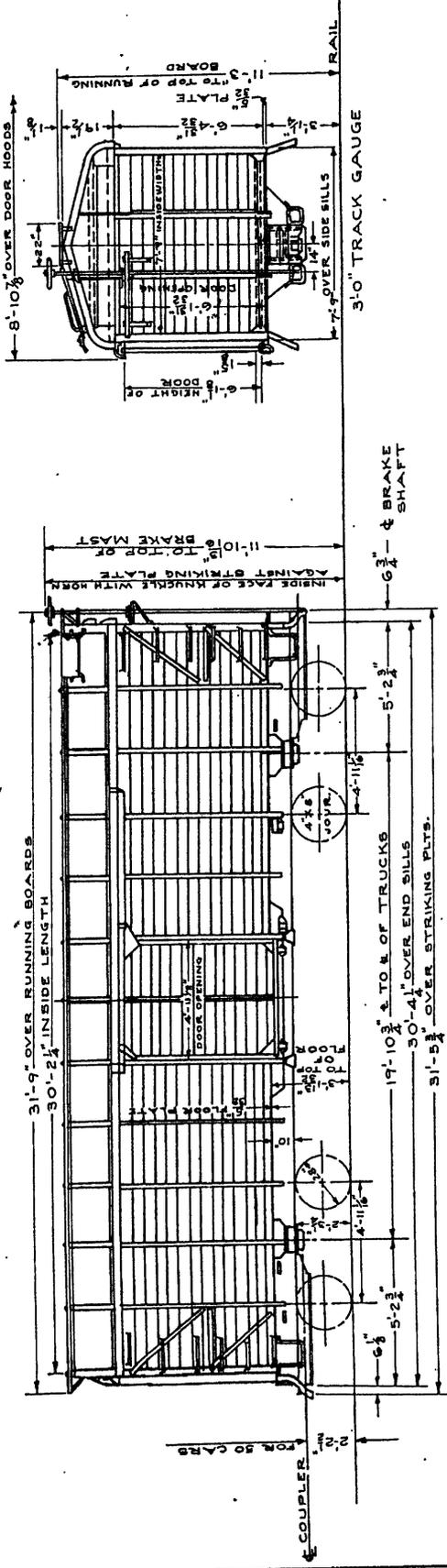


|                          |             |  |  |
|--------------------------|-------------|--|--|
| GAUGE                    | 4'-8 1/2"   | NUMBER OF AXLES  | 2                                      |
| LOAD LIMIT               | 20 TONS     | WHEELS   | 33'-CAST IRON                          |
| CAPACITY                 | 40,000 LBS. | SIZE OF JOURNALS   | 5" x 9"                                |
| INSIDE DIMENSIONS        | 492 CU. FT. | TYPE OF BRAKES   | WESTINGHOUSE 10" x 12" CYL. HAND & AIR |
| LENGTH                   | 27'-5 1/4"  | TYPE OF COUPLERS   | HOOKE & LINK - 2 BUFFERS EACH END      |
| WIDTH                    | 8'-4 1/8"   | BUILD UP   | PULLMAN SID. CAR MFG. CO.              |
| HEIGHT                   | 10'-7 1/8"  | DRIP HOLES   | 1 EACH END                             |
| OVERALL LENGTH           | 27'-5 1/4"  | FLOOR RACKS - REMOVABLE                                    | WOOD                                   |
| OVERALL WIDTH            | 8'-4 1/8"   | LINING - INSIDE  | 3/4" x 5" WOOD                         |
| OVERALL HEIGHT FROM RAIL | 11'-3 1/2"  | FOR ADDITIONAL INFORMATION SEE 20 TON BOX CAR AFRICAN THE. |  |
| EXTREME HEIGHT           | 11'-3 1/2"  |  |  |

(80)

WHITE PASS & YUKON ROUTE  
25 METRIC TON SS BOX CAR

U.S.A. NOS. 23115 TO 23164



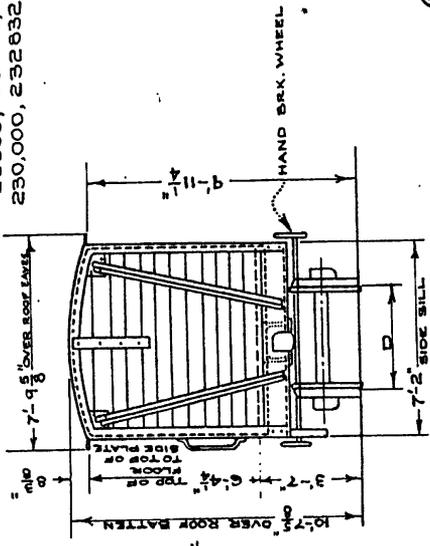
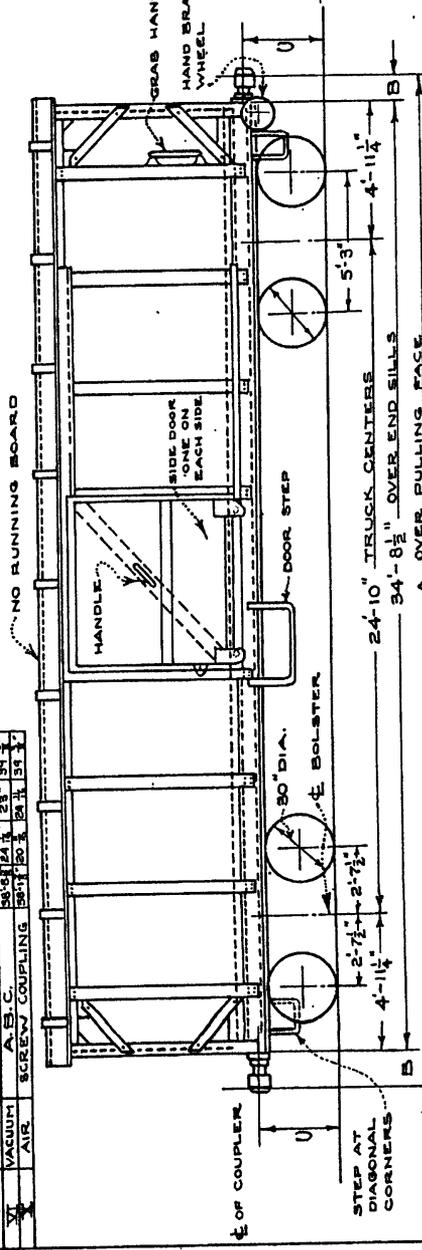
31

|                         |                     |                          |               |       |       |
|-------------------------|---------------------|--------------------------|---------------|-------|-------|
| CAPACITY                | 1762 CU. FT.        | OVERALL LENGTH           | 32'-8 3/4"    | GAUGE | 3'-0" |
| TYPE OF TRUCKS          | BOX TYPE CAST STEEL | WIDTH AT EAVES           | 8' - 3 1/4"   |       |       |
| NO. OF AXLES            | 4                   | EXTREME WIDTH            | 8' - 10 1/8"  |       |       |
| SIZE OF WHEELS          | 28"                 | OVERALL HEIGHT FROM RAIL | 6' - 4 3/4"   |       |       |
| TYPE & SIZE OF COUPLERS | 5 X 5 U.S.          | TO EAVES                 | 11' - 3"      |       |       |
| TYPE OF BRAKES          | HAND                | TO TOP OF RUNNING BOARD  | 11' - 10 3/4" |       |       |
| SPRINGS                 | H-23                | DOORS                    |               |       |       |
| INSIDE DIMENSIONS       |                     | LOCATION                 | SIDE          |       |       |
| LENGTH                  | 30'-2 1/4"          | NUMBER                   | 4-11 1/2"     |       |       |
| WIDTH                   | 7'-7"               | HEIGHT                   | 6'-11 1/8"    |       |       |
| HEIGHT                  | 7'-10 3/8"          |                          |               |       |       |
| OUTSIDE DIMENSIONS      |                     |                          |               |       |       |

30 TON BOX CAR (METER GAUGE)  
AFRICAN THEATRE

U.S.A. NOS. 3335, 3684,  
3710, 3909,  
23333, 23999,  
230,000, 232932

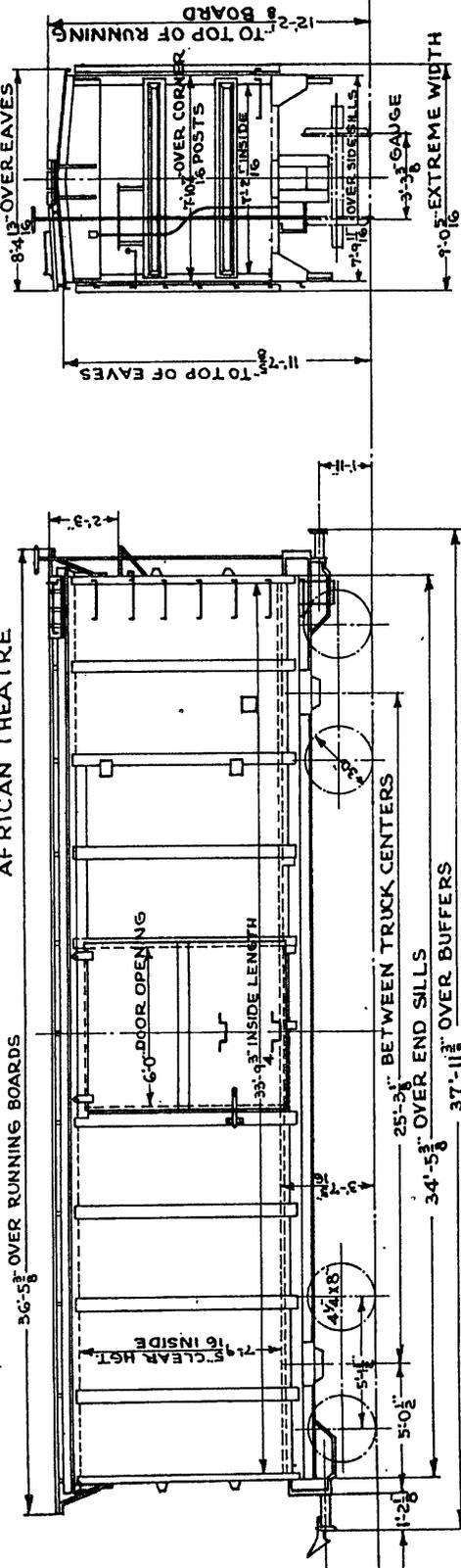
| GROUP | BRAKES | TYPE            | COUPLER | A        | B      | C         | D  |
|-------|--------|-----------------|---------|----------|--------|-----------|----|
| I     | VACUUM | TRANSITION      | A.B.C.  | 37-3 1/2 | 19 1/2 | 24-10 1/2 | 42 |
| II    | VACUUM | A.B.C.          |         | 37-3 1/2 | 19 1/2 | 24-10 1/2 | 42 |
| III   | VACUUM | WILLISON        |         | 37-3 1/2 | 19 1/2 | 24-10 1/2 | 42 |
| IV    | VACUUM | LINK & PIN      |         | 37-3 1/2 | 19 1/2 | 24-10 1/2 | 42 |
| V     | VACUUM | A.B.C.          |         | 37-3 1/2 | 19 1/2 | 24-10 1/2 | 42 |
| VI    | AIR    | SCREEN COUPLING |         | 37-3 1/2 | 19 1/2 | 24-10 1/2 | 42 |



|                                       |              |                  |                           |                        |                         |
|---------------------------------------|--------------|------------------|---------------------------|------------------------|-------------------------|
| GAUGE                                 | 34 1/4"      | EXTREME HEIGHT   | 10'-7 3/8"                | SIDE SHEATHING         | 1/2" PLYWOOD 48" PANELS |
| LOAD LIMIT                            | 30 TONS      | NO. OF AXLES     | 2                         | END POSTS              | 5 1/2" Z 5.1"           |
| CAPACITY                              | 1490 CU. FT. | WHEELS           | 525 LBS. 30 C.I.          | END SHEATHING          | 1/4" TONGUED & GROOVED  |
| LIGHT WEIGHT                          | 31,600 LBS.  | SIZE OF JOURNALS | 4 1/2" x 8"               | ROOF                   | 3/8" PLYWOOD 48 PANELS  |
| INSIDE DIMENSIONS                     | 34'-6"       | TYPE OF BRAKES   | VACUUM HAND & AIR         | TRUCK SIDE FRAME       | CAST STEEL              |
| LENGTH                                | 71'-1"       | TYPE OF COUPLER  | SEE NOTE                  | (INTEGRAL JOURNAL BOX) |                         |
| WIDTH                                 | 6'-1 3/16"   | BUILDER          | A.C. & F. CO.             | SIDE BEARING           | FRICITION TYPE          |
| HEIGHT DIMENSIONS                     |              | NO. OF DOORS     | 2                         |                        |                         |
| OVERALL LENGTH-OVER SILLS             | 34'-8 1/2"   | UNDERFRAME       | BUILT UP STEEL            |                        |                         |
| OVERALL LENGTH-OVER COUPLERS-SEE NOTE | 71'-2"       | CENTER SILL      | TWO 12 3/16" x 7" @ 31.3" |                        |                         |
| WIDTH AT END SILLS                    | 7'-2"        | END SILL         | 12" L @ 25"               |                        |                         |
| EXTREME WIDTH                         | 7'-10 1/4"   | BOLSTER          | 3/16" STEEL PRESSING      |                        |                         |
| OVERALL HEIGHT FROM RAIL              | 9'-11 1/4"   | CROSS TIE        | 3/16" "                   |                        |                         |
| TO EXTREME WIDTH                      | 10'-6 1/2"   | SIDE POSTS       | 3/16" PRESSED CHANNEL     |                        |                         |

(32)

33 TON U.S. BOX CAR (METER GAUGE)  
AFRICAN THEATRE

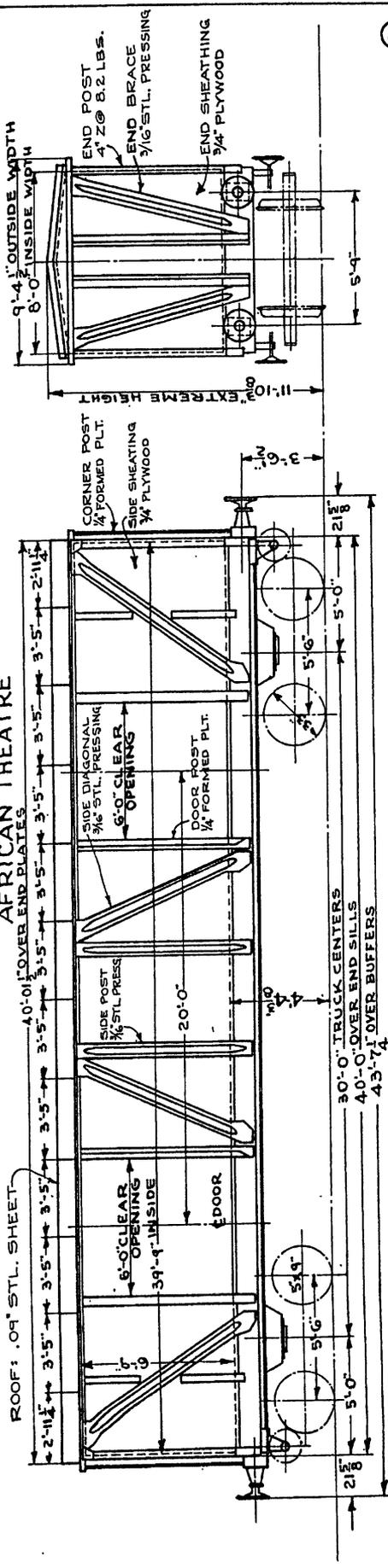


(33)

|                             |             |                  |                        |
|-----------------------------|-------------|------------------|------------------------|
| GAUGE                       | 39 1/8      | EXTREME HEIGHT   | 12'-2 1/8"             |
| LOAD LIMIT                  | 33 TONS     | NUMBER OF AXLES  | 4                      |
| CAPACITY                    | 1650 CU.FT. | WHEELS           | 30" CAST IRON          |
| LIGHT WEIGHT                |             | SIZE OF JOURNALS | 4 1/4" X 8"            |
| INSIDE DIMENSIONS           |             | TYPE OF BRAKES   | HAND & AIR             |
| LENGTH                      | 33'-9 3/4"  | TYPE OF COUPLERS | GEN. AMER. TRANSP. CO. |
| WIDTH                       | 7'-2 1/4"   | BUILDER          |                        |
| HEIGHT                      | 7'-9 5/16"  | NUMBER OF DOORS  | 2                      |
| OUTSIDE DIMENSIONS          |             |                  |                        |
| OVERALL LENGTH              | 34'-5 5/8"  |                  |                        |
| OVERALL LENGTH OVER BUFFERS | 37'-11 3/8" |                  |                        |
| WIDTH AT END SILLS          | 7'-9 1/16"  |                  |                        |
| EXTREME WIDTH               | 9'-0 5/16"  |                  |                        |
| OVERALL HEIGHT FROM RAIL    | 11'-0 7/8"  |                  |                        |
| TO EXTREME WIDTH            | 11'-7 5/8"  |                  |                        |
| TO ROOF                     |             |                  |                        |

40 TON BOX CAR  
AFRICAN THEATRE

U.S.A. NOS. 6000-7999

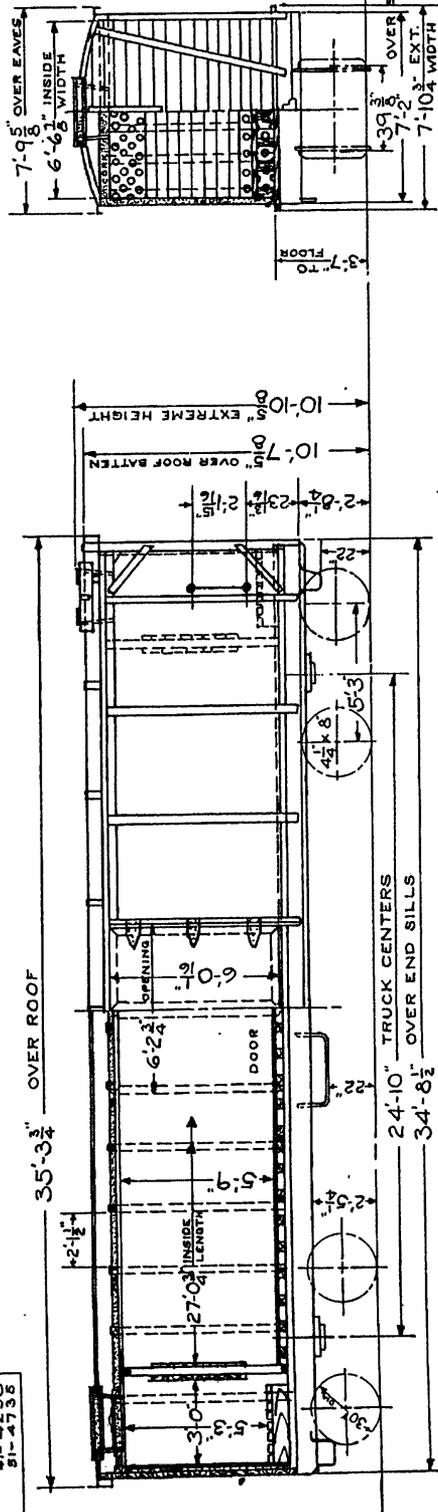


(34)

|                          |              |                  |  |
|--------------------------|--------------|------------------|--|
| GAUGE                    | 4'-8 1/2"    | NUMBER OF AXLES  | 4                                      |
| LOAD LIMIT               | 80,000#      | WHEELS           | 33" CAST IRON                          |
| CAPACITY                 | 2150 CU. FT. | SIZE OF JOURNALS | 5" X 4"                                |
| LIGHT WEIGHT             | 40,000#      | TYPE OF BRAKES   | AIR, VACUUM TRAIN LINE & HAND OPERATED |
| INSIDE DIMENSIONS        | 39'-9"       | TYPE OF COUPLERS | HOOK & LINK-2 BUFFER EACH END          |
| LENGTH                   | 8'-0"        | BUILDER          | A.C. & F. CO.                          |
| WIDTH                    | 6'-9"        | LOCATION         | SIDE                                   |
| HEIGHT                   | 6'-0"        | NUMBER           | 4                                      |
| OUTSIDE DIMENSIONS       | 40'-0"       | WIDTH            | 6'-0"                                  |
| OVER ALL LENGTH          | 8'-3 1/2"    | HEIGHT           | 6'-5 3/8"                              |
| WIDTH AT END SILLS       | 9'-4 1/2"    | TYPE OF TRUCKS   | BETTENDORE                             |
| EXTREME WIDTH            | 11'-1"       | UNDERFRAME       | BUILT UP STEEL                         |
| OVERALL HEIGHT FROM RAIL | 11'-0 1/2"   | CENTER SILL      | TWO 5.8" C @ 36.2 LBS.                 |
| TO EXTREME WIDTH         | 11'-0 1/2"   | SIDE SILL        | TWO 5.8" C @ 21.9 LBS.                 |
| TO ROOF                  | 11'-10 3/8"  | BOLSTER          | 1/4" STL. PRESSING                     |
| EXTREME HEIGHT           |              | CROSS BEARER     | 3/16" STL. PRESSING                    |

30 TON REFRIGERATOR CAR (CONVERTED FROM 30 TON BOX CAR) U.S.A. NOS. **PROPOSED ONLY**

|     |       |         |         |
|-----|-------|---------|---------|
| LOT | 25770 | DRAWING | 41-4250 |
| ..  | 2581  | ..      | 41-4259 |
| ..  | 2582  | ..      | 41-4273 |
| ..  | 2590  | ..      | 41-4297 |
| ..  | 2576  | ..      | 41-4250 |
| ..  | 2575  | ..      | 41-4250 |



|                              |              |                                |                                      |
|------------------------------|--------------|--------------------------------|--------------------------------------|
| GAUGE                        | 3'-3 3/4"    | EXTREME HEIGHT                 | 10'-10 1/2"                          |
| LOAD LIMIT                   | 30 TON       | NO. OF AXLES                   | 4                                    |
| CAPACITY                     | 1009 CU. FT. | WHEELS                         | 30" C.I.                             |
| LIGHT WEIGHT                 |              | SIZE OF JOURNALS               | 4 1/4" X 8"                          |
| INSIDE DIMENSIONS            | 27'-0 3/4"   | TYPE OF BRAKES                 | VACUUM, HAND & AIR                   |
| LENGTH                       | 6'-6 1/2"    | TYPE OF COUPLER                | SEE NOTE                             |
| WIDTH                        | 5'-9"        | BUILDER                        | A.C.F. CO.                           |
| HEIGHT                       | 34'-6 1/2"   | NO. OF DOORS                   | 2                                    |
| OUTSIDE DIMENSIONS           | SEE NOTE     | BUNKERS                        | BOTH ENDS OF CAR                     |
| OVERALL LENGTH-OVER SILLS    | 7'-2"        | LENGTH                         | 3'-0"                                |
| OVERALL LENGTH-OVER COUPLERS | 7'-2"        | WIDTH                          | 6'-6 1/2"                            |
| WIDTH AT END SILLS           | 7'-10 1/2"   | HEIGHT                         | 5'-3"                                |
| EXTREME WIDTH                | 9'-11 1/2"   | CAPACITY                       | 12730 LBS OF ICE                     |
| OVERALL HEIGHT FROM RAIL     | 10'-6 1/2"   |                                |                                      |
| TO EXTREME WIDTH             |              | FOR ADDITIONAL INFORMATION SEE | 30 U.S. TON BOX CAR (PREVIOUS PAGE). |

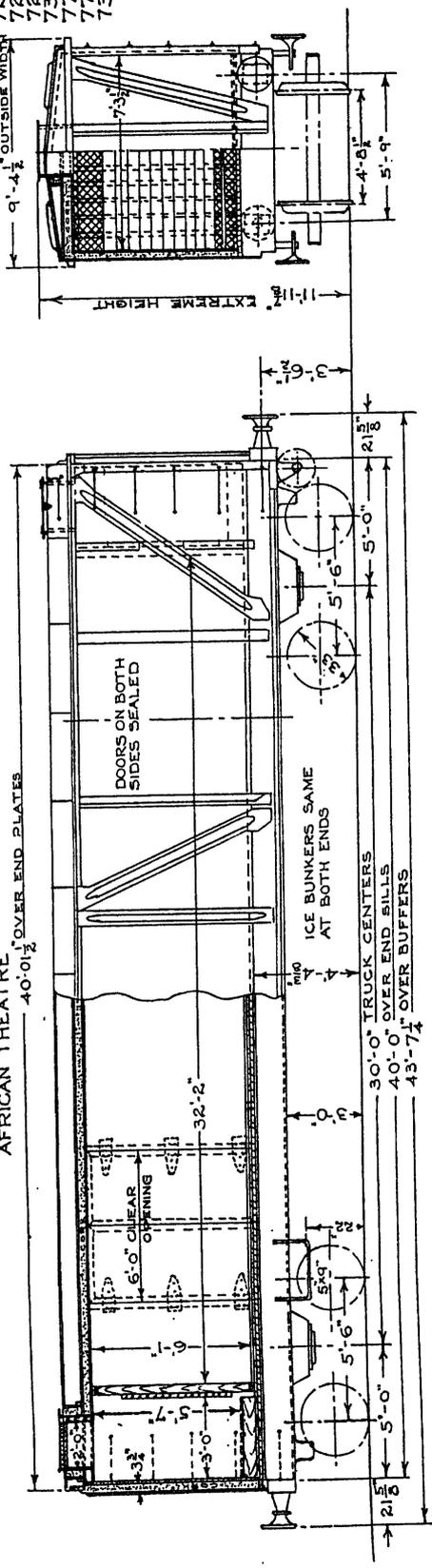
(35)



40 TON REFRIGERATOR CAR (CONVERTED FROM 40 TON BOX CAR)

AFRICAN THEATRE 40'-0 1/2" OVER END PLATES

U.S.A. NOS. 7250, 7256, 7264, 7268, 7289, 7291, 7294, 7295, 7297, 7298, 7303, 7304, 7307, 7720, 7728, 7729, 7752, 7308, 7752



(37)

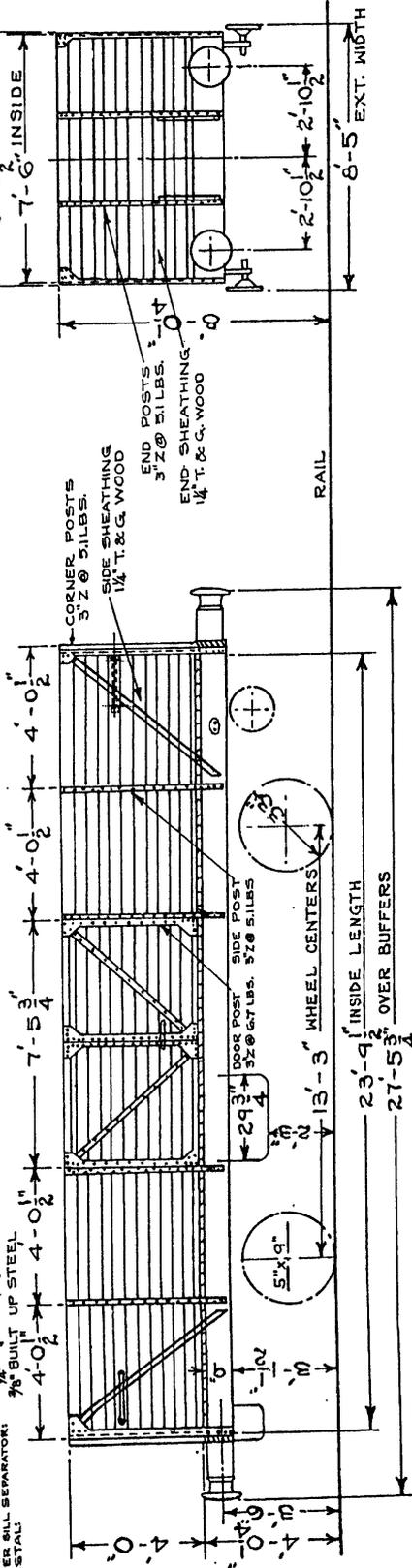
|                               |            |                  |                  |
|-------------------------------|------------|------------------|------------------|
| GAUGE                         | 4'-8 1/2"  | EXTREME HEIGHT   | 11'-11 1/2"      |
| LOAD LIMIT                    | 80,000 LBS | NO. OF AXLES     | 4                |
| CAPACITY                      | 40 TONS    | WHEELS           | 33" C.I.         |
| LIGHT WEIGHT                  | 45,600 #   | SIZE OF JOURNALS | 5" x 9"          |
| INSIDE DIMENSIONS             |            | TYPE OF BRAKES   |                  |
| LENGTH                        | 32'-2"     | TYPE OF COUPLER  | HOOK & LINK      |
| WIDTH                         | 5'-0"      | BUILDER          | A.C. & F. CO.    |
| HEIGHT                        | 6'-1"      | NO. OF DOORS     | 2                |
| OUTSIDE DIMENSIONS            |            | BUNKERS          | BOTH ENDS OF CAR |
| OVERALL LENGTH - OVER SILLS   | 40'-0"     | LENGTH           | 3'-0"            |
| OVERALL LENGTH - OVER BUFFERS | 43'-7 1/4" | WIDTH            | 7'-3 1/2"        |
| WIDTH AT END SILLS            | 8'-3 1/4"  | HEIGHT           | 5'-7"            |
| EXTREME WIDTH                 | 9'-4 1/2"  | CAPACITY         | 13,384 LBS. ICE  |
| OVERALL HEIGHT FROM RAIL      | 11'-1"     |                  |                  |
| TO EXTREME WIDTH              | 11'-4 1/2" |                  |                  |
| TO ROOF                       |            |                  |                  |

FOR ADDITIONAL INFORMATION SEE 40 TON BOX CAR NO-6000-7199

20 TON-HIGH SIDE GONDOLA  
AFRICAN THEATER

U.S.A. NOS. 40000-41249  
420325-425474

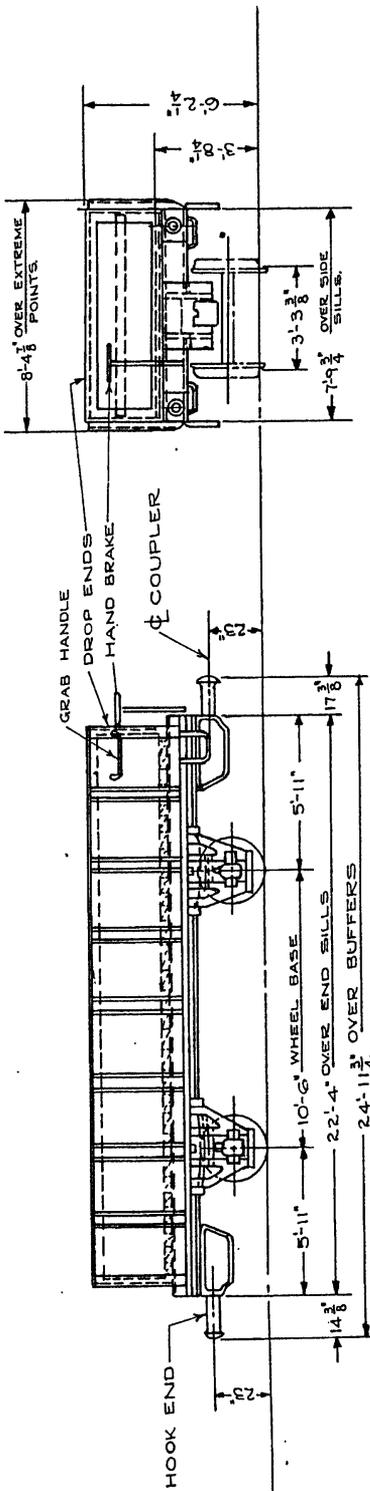
UNDERFRAME:  
9" C AT 134 LBS.  
SIDE SILL:  
10" C AT 25 LBS.  
CROSS TIE AT PEDESTAL: 1/2" STL. PRESSING  
CENTER TIE AT CENTER: 1/4" "  
CENTER SILL SEPARATOR:  
PEDESTAL:  
7/8" BUILT UP STEEL



|                               |                          |                              |                              |
|-------------------------------|--------------------------|------------------------------|------------------------------|
| GAUGE                         | 4'-5 1/2"                | OVERALL HEIGHT FROM RAIL     | 27'-3 1/2"                   |
| LOAD LIMIT                    | 40,000 LBS. OR 20 TONS   | TO EXTREME WIDTH             | 8'-0 1/4"                    |
| CAPACITY                      | 118 CU. FT. 20 TONS      | TO TOP OF SIDES              | 8'-0 1/4"                    |
| LT. WEIGHT                    | 17,100 LBS OR 8 1/2 TONS | EXTREME HEIGHT               | 8'-0 1/4"                    |
| INSIDE DIMENSIONS             |                          | NO. AXLES                    | 2                            |
| LENGTH                        | 23'-9 1/2"               | WHEELS                       | 610 LBS. 53" x 9" C.I.       |
| HEIGHT                        | 27'-6"                   | SIZE OF JOURNALS             | 5 1/2" x 9" C.I.             |
| INSIDE DIMENSIONS             |                          | TYPE OF BRAKES - HAND        | AIR - WEST. 10" x 12" C.Y.L. |
| OVERALL LENGTH - OVER SILLS   | 24'-0"                   | TYPE OF COUPLER - HOOK       | SCREEN-2 BUFFERS EACH END    |
| OVERALL LENGTH - OVER BUFFERS | 27'-5 3/4"               | BUILDER - MAGOR CAR CORP.    |                              |
| WIDTH AT END SILLS            | 8'-0"                    | TRUCKS - BETTENDORF A. S. F. |                              |
| EXTREME WIDTH                 | 8'-5"                    | BUFFERS                      | NO. 14191XX                  |

20 METRIC TON GONDOLA  
METER GAUGE

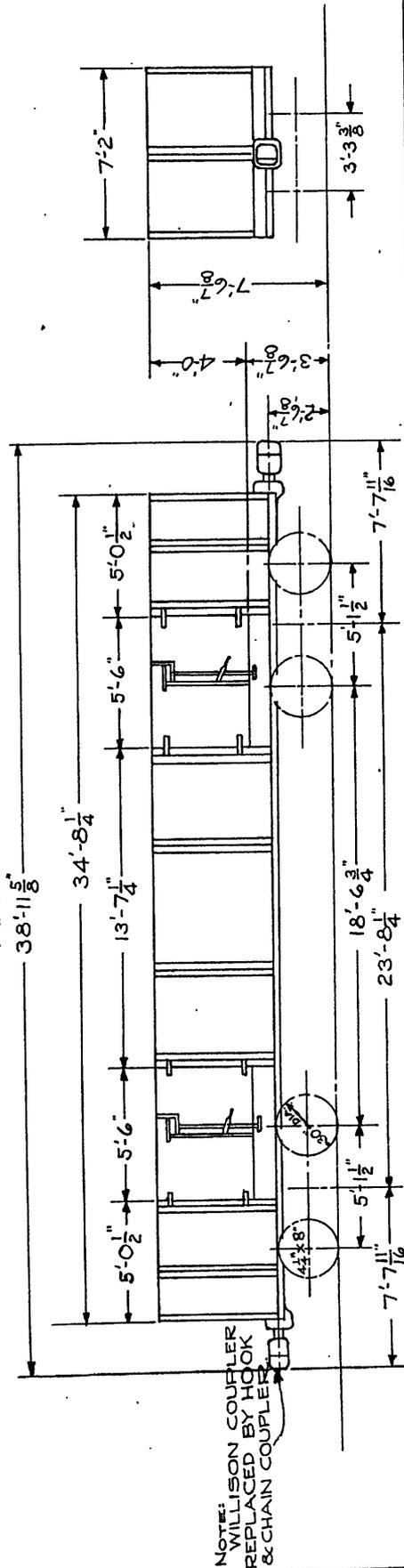
U.S.A. NOS.-420250-420324



|                             |             |                                   |                            |                |                     |
|-----------------------------|-------------|-----------------------------------|----------------------------|----------------|---------------------|
| GAUGE                       | 39 3/8"     | NO OF AXLES                       | 2                          | SIDE POST      | 3/16" STL PRESSING  |
| LOAD LIMIT                  | 20 MET. T.  | WHEELS                            | 4-30" DIA. C.I.            | CORNER POST    | 3/16" x 3" x 1/4" L |
| CAPACITY                    | 410 CU. FT. | SIZE OF JOURNALS                  | 5" x 9"                    | DROP END SHEET | 3/16" STL. PLATE    |
| LIGHT WEIGHT                | 18500 LBS.  | TYPE OF BRAKES                    | AIR W.A.B. CO.             | DROP END STIFF | 3/16" STL PRESSING  |
| INSIDE DIMENSIONS           |             | TYPE OF COUPLERS                  | A.B.C.                     | PEDESTAL       | 7/8" BUILT UP STEEL |
| LENGTH                      | 21'-0"      | UNDERFRAME                        | BUILT UP STEEL             | SPRING         | 3/8" SEMI ELLIPTIC  |
| WIDTH                       | 7'-9 1/4"   | CENTER SILL                       | TWO 12 1/2" Z @ 36.21 LBS. |                |                     |
| HEIGHT                      | 2'-6"       | PEDESTAL SILL                     | 1" F @ 18.8 LBS.           |                |                     |
| OUTSIDE DIMENSIONS          |             | SIDE SILL                         | 6" x 4" x 3/8" L           |                |                     |
| OVERALL LENGTH-OVER SILLS   | 22'-4"      | SIDE SILL TO PEDESTAL SILL DIAPH. | 1/4" STL. PRESSING         |                |                     |
| OVERALL LENGTH-OVER BUFFERS | 24'-11 1/2" | INTERMEDIATE DIAPH.               | 1/4" "                     |                |                     |
| WIDTH AT END SILLS          | 7'-9 1/4"   | PEDESTAL DIAPH.                   | 3/8" "                     |                |                     |
| EXTREME WIDTH               | 8'-4 1/2"   | CENTER SILL SEPARATOR             | 3/8" "                     |                |                     |
| OVERALL HEIGHT FROM RAIL    | 3'-5"       | DRAFT SILL                        | 1 3/4" T. & G. WOOD        |                |                     |
| TO EXTREME WIDTH            | 6'-2 1/4"   | FLOOR                             | 3/16" STL. PLATE           |                |                     |
| TO EXTREME HEIGHT           |             | SIDE SHEET                        |                            |                |                     |

33 TON METER GAUGE GONDOLA CARS  
WOOD SIDES  
AFRICAN THEATRE

U.S.A. NOS. 432000 SERIES



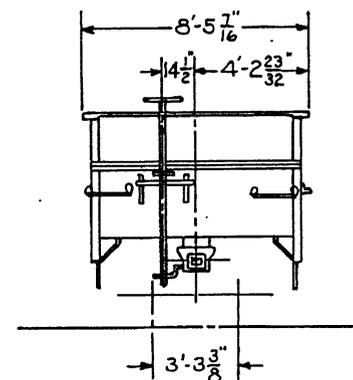
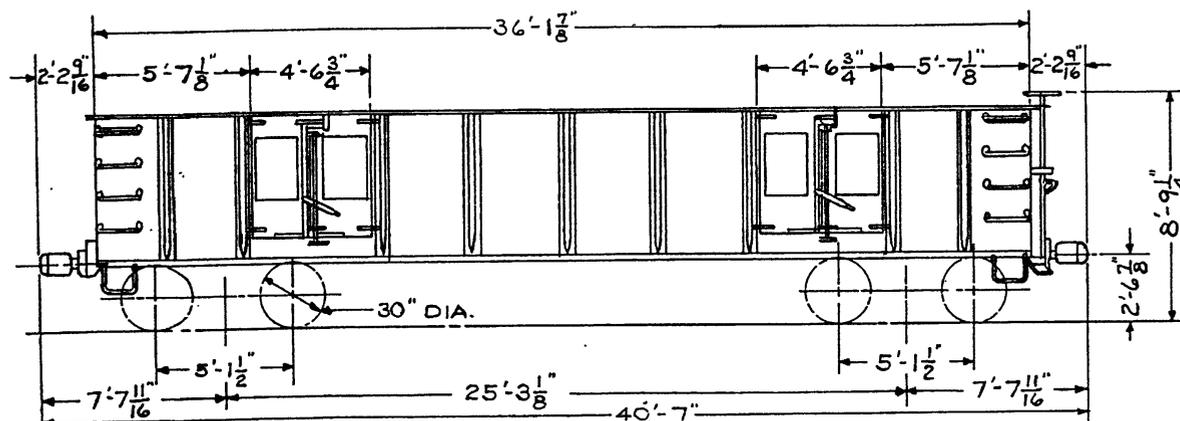
NOTE:  
WILLISON COUPLER  
REPLACED BY HOOK  
& CHAIN COUPLER

|                             |                       |                  |                     |
|-----------------------------|-----------------------|------------------|---------------------|
| GALVE                       | METER - 3'-3 3/8"     | EXTREME HEIGHT   | 7'-6 7/8"           |
| LOAD LIMIT                  | 66,000 LBS. OR 33 TON | NUMBER OF AXLES  | 4                   |
| CAPACITY                    | 1219 CU. FT.          | WHEELS           | 30" C.I.            |
| INSIDE DIMENSIONS           | 23,500 LBS., 1194 TON | SIZE OF JOURNALS | 4 1/2" X 8"         |
| LENGTH                      | 34'-5 3/4"            | TYPE OF BRAKES   | HAND & AIR          |
| WIDTH                       | 6'-11 1/2"            | BUILDER          | HOOKE & CHAIN       |
| HEIGHT                      | 4'-0"                 | TRUCKS           | GREENSVILLE CAR CO. |
| OUTSIDE DIMENSIONS          | 34'-8 1/4"            | BUFFERS          | SPRING PLANKLES     |
| LENGTH OVER SILLS           | 38'-11 1/8"           | DOORS            | 2 EACH END          |
| OVERALL LENGTH OVER BUFFERS | 38'-11 1/8"           | LOCATION         | SIDE                |
| WIDTH AT END SILLS          | 7'-2"                 | NUMBER           | 4 DOUBLE DOORS      |
| EXTREME WIDTH               | 7'-10"                | WIDTH            | 5'-6"               |
| OVERALL HEIGHT FROM RAIL    | 2'-11"                | HEIGHT           | 4'-8 3/8"           |
| TO EXTREME WIDTH            | 7'-6 7/8"             | TYPE OF VALVE    | K-2 TRIPLE          |
| TO TOP OF SIDES             |                       |                  |                     |

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33 TON METER GAUGE GONDOLA  
AFRICAN THEATRE  
STEEL SIDES

U.S.A. NOS. 432,000-432,039

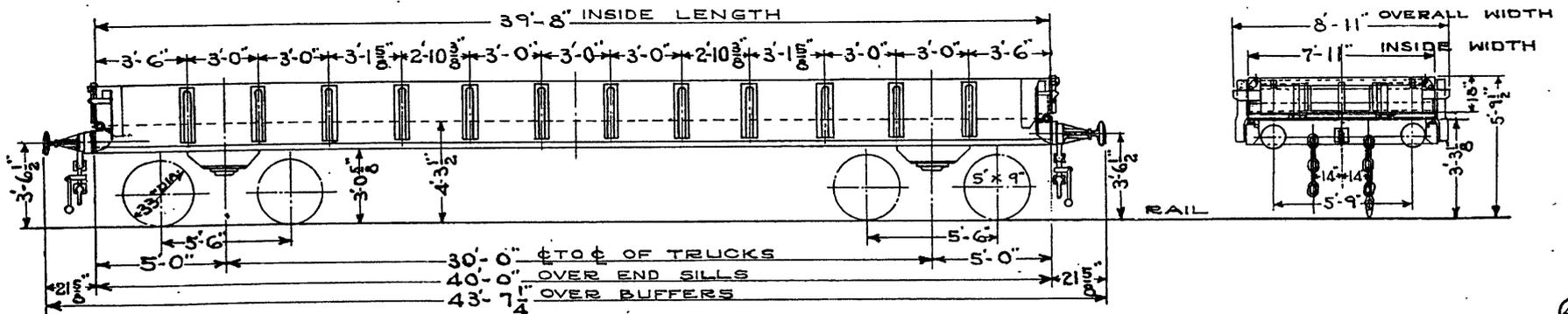


|                             |                       |                  |                                  |               |                 |
|-----------------------------|-----------------------|------------------|----------------------------------|---------------|-----------------|
| Gauge                       | METER - 3'-3 3/4"     | TO TOP OF SIDES  |                                  | TYPE OF VALVE | K2 TRIPLE VALVE |
| LOAD LIMIT                  | 66,000# 33 TON        | EXTREME HEIGHT   | 8'-9 1/4"                        |               |                 |
| CAPACITY                    | 1210 CU. FT. - 33 TON | NUMBER OF AXLES  | 4                                |               |                 |
| L.T. WEIGHT                 | 30,000 LBS. 15 TON    | WHEELS           | 8-C.I. - 30" DIA.                |               |                 |
| INSIDE DIMENSIONS           |                       | SIZE OF JOURNALS | 4 1/2" x 8"                      |               |                 |
| LENGTH                      | 34'-5"                | TYPE OF BRAKES   | AIR & HAND                       |               |                 |
| WIDTH                       | 4'-6"                 | TYPE OF COUPLER  | WILSON AUTOMATIC                 |               |                 |
| HEIGHT                      | 4'-6"                 | BUILDER          |                                  |               |                 |
| OUTSIDE DIMENSIONS          |                       | TRUCKS           | SPRING PLANKLESS                 |               |                 |
| LENGTH OVER SILLS           | 36'-1 7/8"            | BUFFERS          |                                  |               |                 |
| OVERALL LENGTH OVER BUFFERS | 40'-7"                | DOORS            |                                  |               |                 |
| WIDTH AT END SILLS          | 8'-5 1/4"             | LOCATION         | SIDES                            |               |                 |
| EXTREME WIDTH               | 8'-5 3/4"             | NUMBER           | 4 SETS OF DOORS - 8 DOORS        |               |                 |
| OVERALL HEIGHT FROM RAIL    |                       | WIDTH            | 2'-3 3/4" - 4'-6 3/4" BOTH DOORS |               |                 |
| TO EXTREME WIDTH            |                       | HEIGHT           | 4'-8 3/4"                        |               |                 |

(41)

40 TON GONDOLA CAR  
LOW SIDE

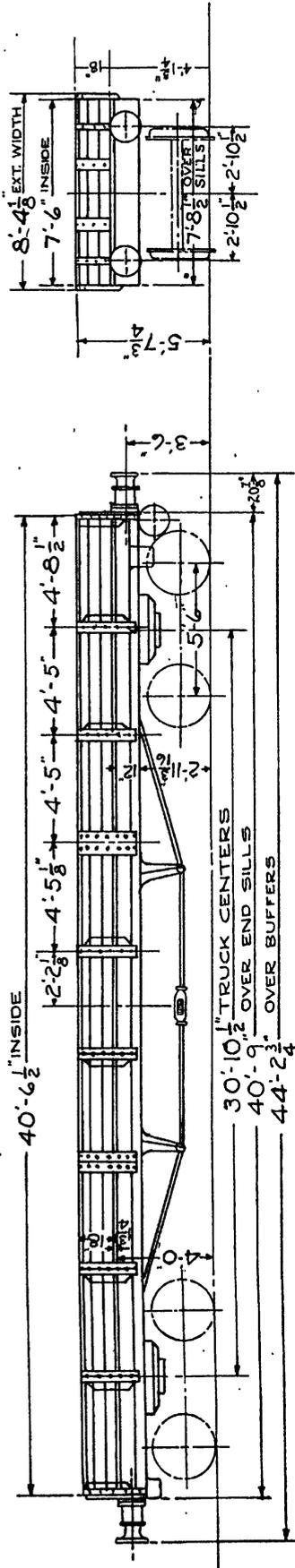
U.S.A. NOS. 8900-9499



|                                  |  |                      |                          |                   |             |
|----------------------------------|--|----------------------|--------------------------|-------------------|-------------|
| GAUGE                            |  | 4'-8 1/2"            | OUTSIDE DIMENSIONS       | CAPACITY          | 471 CU. FT. |
| TYPE OF TRUCKS                   |  | BETTENDORF           | OVERALL LENGTH           | 40'-0" OVER SILLS |             |
| NO. OF AXLES                     |  | 2 PER TRUCK          | WIDTH AT SIDESILLS       | 8'-3"             |             |
| SIZE OF JOURNALS                 |  | 5 x 9"               | EXTREME WIDTH            | 8'-11"            |             |
| SIZE & KIND OF WHEELS            |  | 33" C.I.             | OVERALL HEIGHT FROM RAIL |                   |             |
| TYPE OF COUPLERS                 |  |                      | TO EXTREME WIDTH         | 4'-0" TO 5'-0"    |             |
| HOOK COUPLER, 2 BUFFERS EACH END |  |                      | TO PLATFORM              | 4'-3 1/2"         |             |
| TYPE OF BRAKES                   |  | HAND & VACUUM BRAKES | EXTREME HEIGHT           | 5'-9 1/2"         |             |
| AND TRAIN LINE.                  |  |                      | DOORS                    |                   |             |
| INSIDE DIMENSIONS                |  |                      | LOCATION                 | END               |             |
| LENGTH                           |  | 39'-8"               | NUMBER                   | 2                 |             |
| WIDTH                            |  | 7'-11"               | WIDTH                    | 7'-11"            |             |
| HEIGHT                           |  | 18"                  | HEIGHT                   | OPEN TOP CAR      |             |

40TON GONDOLA CAR  
LOW SIDE

U.S.A. NOS.-440,000-443,199  
4403-4428  
8900-9499

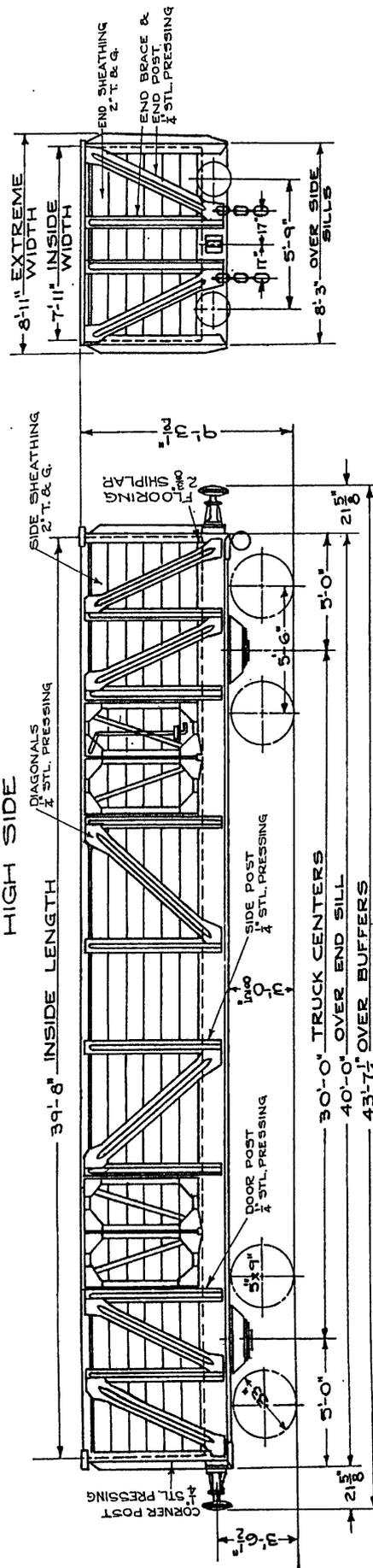


(43)

|                          |             |                         |                                 |
|--------------------------|-------------|-------------------------|---------------------------------|
| GAUGES                   | 4'-8 1/2"   | WHEELS                  | 610 LBS. 8-33" C.I.             |
| LOAD LIMIT               | 80,000 LBS. | SIZE OF JOURNALS        | 5" X 9"                         |
| CAPACITY                 | 610 CU. FT. | TYPE OF BRAKES          | AIR (WITH VACUUM LINE APPLIED)  |
| LIGHT WEIGHT             | 37,100 LBS. | TYPE OF COUPLERS        | HOOK & LINK, 2 BUFFERS, EA. END |
| INSIDE DIMENSIONS        |             | BUILDER                 | P.S.C.M. CO.                    |
| LENGTH                   | 40'-8 1/2"  | TRUCKS                  |                                 |
| HEIGHT                   | 7'-6"       | UNDERFRAME:             | BUILT UP STEEL                  |
| OUTSIDE DIMENSIONS       |             | CENTER SILL:            | TWO 12 1/4" Z @ 31.3 LBS.       |
| LENGTH OVER SILLS        | 1'-6"       | END SILL:               | 9" C @ 13.4 LBS.                |
| WIDTH OVER SILLS         | 40'-9"      | BOLSTERS:               | 12" C @ 25 LBS.                 |
| EXTREME WIDTH            | 7'-8 1/2"   | CROSS BEARER:           | 3/4" STL. PRESSING              |
| OVERALL HEIGHT FROM RAIL | 8'-4 1/8"   | GROSS TIE:              | 1/2" STL. PRESSING              |
| TO EXTREME WIDTH         | 4'-11 1/4"  | INTERMEDIATE SIDE POST: | 3" C @ 6.7 LBS.                 |
| TO EXTREME HEIGHT        | 5'-7 3/4"   | SIDE POST:              | 3" Z @ 31 LBS.                  |
| NO. OF AXLES             | 4           | CORNER POST:            | 3" Z @ 6.7 LBS.                 |
|                          |             | SIDE SHEATHING:         | 1/4" TONGUED & GROOVED WOOD.    |
|                          |             | FLOOR:                  | 1 1/2" "                        |
|                          |             | TRUCK SIDE FRAME:       | C.S. (INTER. JOUR. BOXES)       |
|                          |             | SIDE BEARING:           | FRICITION TYPE                  |

40 TON GONDOLA CAR  
HIGH SIDE

U.S.A. NOS. 8000-8899

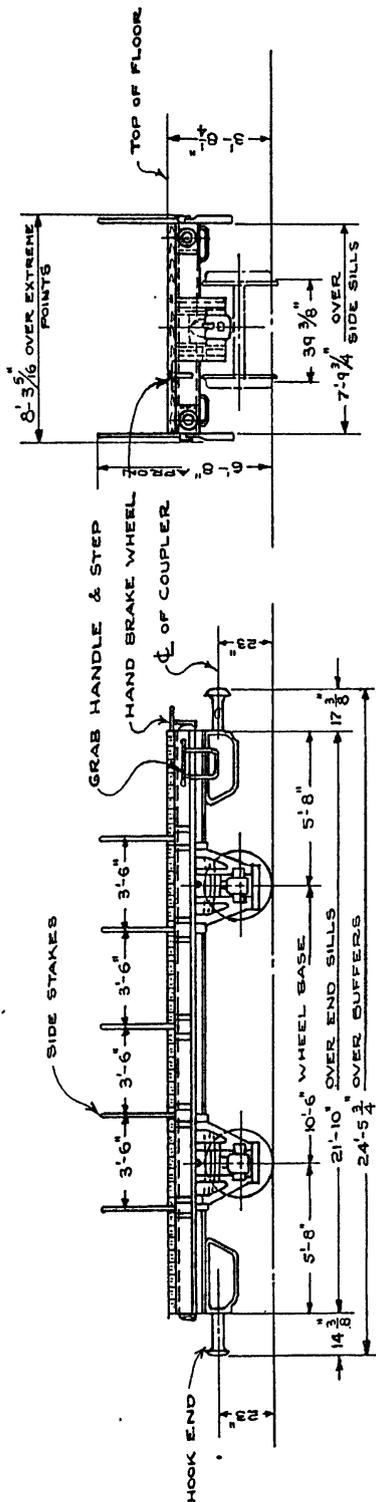


|                   |  |   |                              |                   |
|-------------------|--|---|------------------------------|-------------------|
| CAPACITY          |  | 4-8 1/2"                                  | OUTSIDE DIMENSIONS           | 40'-0" OVER SILLS |
| TYPE OF TRUCKS    |  | 80,000 LBS. BETTENDORF                    | OVERALL LENGTH               | 8'-3"             |
| NO. OF AXLES      |  | 2 PER TRUCK                               | WIDTH AT PLATFORM            | 8'-11"            |
| SIZE OF JOURNALS  |  | 5" x 9"                                   | EXTREME WIDTH                | 4'-0" TO 8'-10"   |
| TYPE OF COUPLERS  |  | 33" C.I. HOOK COUPLER, 2 BUFFERS EACH END | TO EXTREME WIDTH TO PLATFORM | 4'-3 1/2"         |
| TYPE OF BRAKES    |  | VACUUM & H.E., VACUUM TRAIN LINE          | EXTREME HEIGHT               | 9'-3 1/2"         |
| INSIDE DIMENSIONS |  |   | DOORS                        |                   |
| LENGTH            |  | 39'-8"                                    | LOCATION                     | SIDE              |
| WIDTH             |  | 7'-11"                                    | NUMBER                       | 2 PER SIDE        |
| HEIGHT            |  | 5'-0"                                     | WIDTH                        | 5'-6"             |
| LIGHT WEIGHT      |  | 43500 LBS.                                | HEIGHT                       | OPEN TOP CAR      |
| WHEELS            |  | 33" DIA. 100 LBS.                         |                              |                   |

(4)

20 METRIC TON FLAT CAR (METER GAUGE)

U.S.A. NOS. 323600-323674



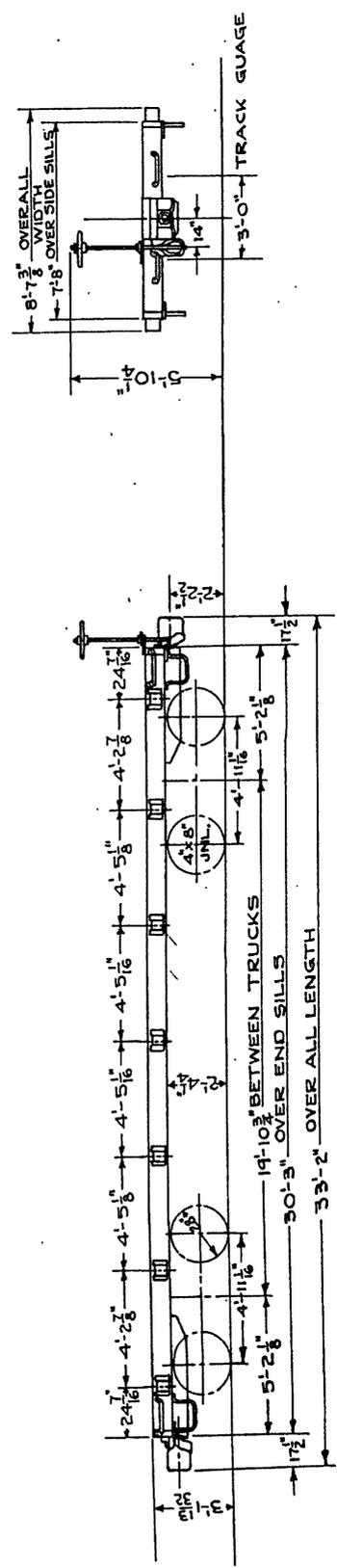
(45)

|                             |               |                                   |                            |                 |                     |
|-----------------------------|---------------|-----------------------------------|----------------------------|-----------------|---------------------|
| GAUGE                       | 39 3/8"       | NO. OF AXLES                      | 2                          | PEDASTAL        | 7/8" BUILT UP STEEL |
| LOAD LIMIT                  | 20 METRIC TON | WHEELS                            | 615 LBS. 4-30" DIA. C.I.   | SPRING          | 36" SEMI-ELLIPTIC   |
| CAPACITY                    | 165 SQ. FT.   | SIZE OF JOURNALS                  | 5" LQ"                     | PEDASTAL DIAPH. | 1/4" STEEL PRESSING |
| LIGHT WEIGHT                | 17,800 LBS.   | TYPE OF BRAKES                    | AIR W.A.B. CO.             |                 |                     |
| INSIDE DIMENSIONS           |               | TYPE OF COUPLERS                  | A.B.C.                     |                 |                     |
| LENGTH                      | 21'-10"       | UNDERFRAME                        | BUILT UP STEEL             |                 |                     |
| WIDTH                       | 7'-4 3/4"     | CENTER SILL                       | TWO 12 7/8" Z @ 36.21 LBS. |                 |                     |
| HEIGHT                      |               | PEDASTAL SILL                     | 7" C @ 18.8 LBS.           |                 |                     |
| OUTSIDE DIMENSIONS          |               | SIDE SILL                         | 6x4" x 7/8" L              |                 |                     |
| OVERALL LENGTH-OVER SILLS   | 21'-10"       | SIDE SILL TO PEDASTAL SILL DIAPH. | 1/4" STEEL PRESSING        |                 |                     |
| OVERALL LENGTH-OVER BUFFERS | 24'-5 3/4"    | INTERMEDIATE DIAPH.               | 1/4" STEEL PRESSING        |                 |                     |
| WIDTH AT END SILLS          | 7'-9 3/4"     | CENTER SILL SEPARATOR             | 3/8" STEEL PRESSING        |                 |                     |
| EXTREME WIDTH               | 8'-3 3/16"    | DEAF SILL                         | 3/16" STEEL PRESSING       |                 |                     |
| OVERALL HEIGHT FROM RAIL    | 2'-0"         | FLOOR                             | 1 3/4" TONGUED & GROOVED   |                 |                     |
| TO EXTREME WIDTH            | 6'-8"         |                                   |                            |                 |                     |
| TO EXTREME HEIGHT           |               |                                   |                            |                 |                     |

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25 METRIC TON N.G. FLAT CARS  
WHITE PASS & YUKON ROUTE

U.S.A. NOS. 333441-333466

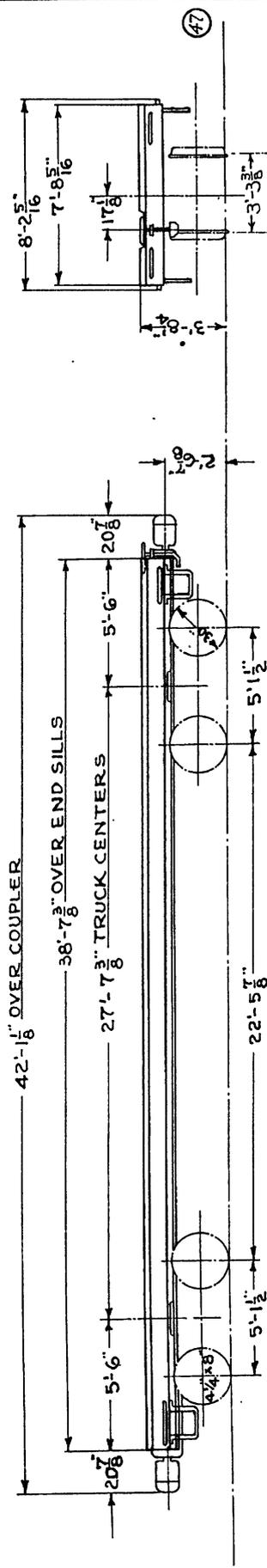


46

|                       |                       |                          |            |
|-----------------------|-----------------------|--------------------------|------------|
| Gauge of Trucks       | 3'0"                  | Outside Dimensions       | 32'-8 3/4" |
| Type of Trucks        | Steel Box Type (Cast) | Overall Length           | 7'-8"      |
| Type of Axles         | 4                     | Width over Side Sills    | 8'-7 3/8"  |
| Size & Kind of Wheels | 28" C.I.              | Extreme Width            | 2'-4 1/2"  |
| Type of Brakes        | Hand                  | Overall Height from Rail | 3'-11 3/4" |
| Special Equipment     | H-23 Springs          | To Extreme Width         | 3'-10 1/4" |
| Size of Couplers      | 5' x 5'               | To Top of Floor          |            |
| Dimensions of Floor   |                       | Extreme Height           |            |
| Length                | 30'-3"                |                          |            |
| Width                 | 7'-8"                 |                          |            |
| Height                | 3'-11 3/4"            |                          |            |

33 TON FLAT CAR (METER GAUGE)  
AFRICAN THEATRE

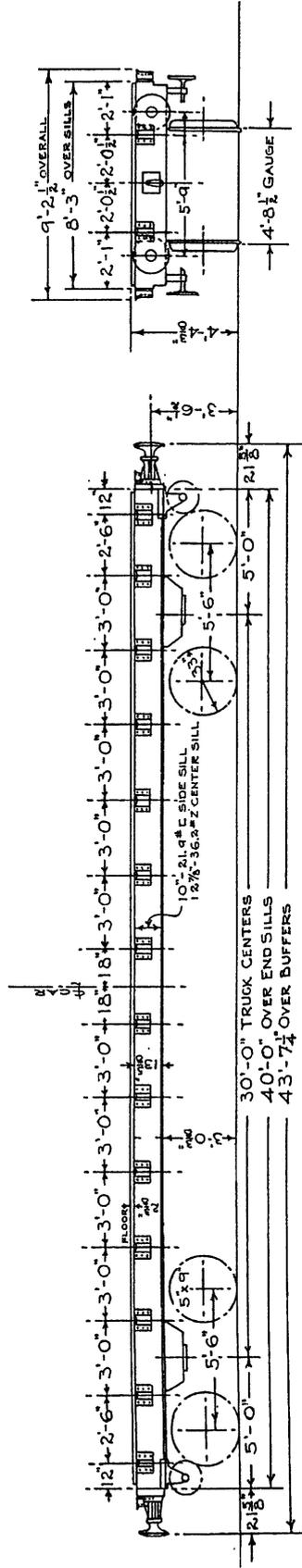
U.S.A. NOS. - 333,480-333,510.



|                              |                |                  |                                  |
|------------------------------|----------------|------------------|----------------------------------|
| GAUGE                        | METER-31-33/8" | EXTREME HEIGHT   |                                  |
| LOAD LIMIT                   | 66,000#        | NO. OF AXLES     | 4                                |
| CAPACITY                     | 300 SQ. FT.    | WHEELS           | 33" CAST IRON                    |
| INSIDE DIMENSIONS:           |                | SIZE OF JOURNALS | 4 1/4" X 6"                      |
| LENGTH                       | 38'-7 3/8"     | TYPE OF BRAKES   | HAND & AIR                       |
| WIDTH                        | 7'-8 5/16"     | TYPE OF COUPLERS | WILSON AUTOMATIC                 |
| HEIGHT                       | 3'-8 1/4"      | BUILDER          | 1/4" X 3" X 6" X 4 1/4" ZGI BEAM |
| OUTSIDE DIMENSIONS:          |                | BRAKE HANGERS    | LOOP-10 1/2"-OFFSET              |
| OVERALL LENGTH-OVER SILLS    | 38'-7 3/8"     | SPRINT           | CAST STEEL-BIRDSBORO#1472        |
| OVERALL LENGTH-OVER COUPLERS | 42'-1 1/8"     | BOLSTER          | A.S.F. 216 02                    |
| WIDTH AT END SILLS           | 7'-8 5/16"     | MFG. OF TRUCK    | K2-TRIPLE VALVE                  |
| EXTREME WIDTH                | 8'-2 5/16"     | TYPE OF VALVE    |                                  |
| OVERALL HEIGHT FROM RAIL:    |                |                  |                                  |
| TO EXTREME WIDTH             |                |                  |                                  |
| TO TOP OF FLOOR              | 3'-8 1/4"      |                  |                                  |

35 TON FLAT CAR CONVERTED FROM 40 TON BOX CAR  
AFRICAN THEATRE

U.S.A. NOS. 6000 - 7999

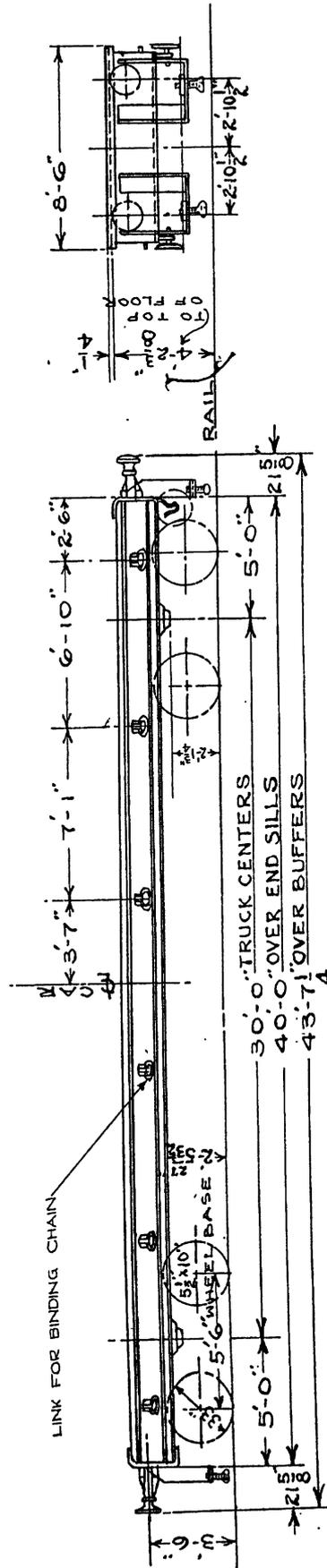


|                          |             |                       |                    |
|--------------------------|-------------|-----------------------|--------------------|
| GAUGE                    | 4'-8 1/2"   | SIZE OF JOURNALS      | 5" x 9"            |
| LOAD LIMIT               | 35 TONS     | TYPE OF BRAKES        | HAND               |
| CAPACITY                 | 70,000 LBS. | TYPE OF COUPLER       | 2 BUFFERS EACH END |
| LIGHT WEIGHT             | 27,500 LBS. | BUILDER               | A.C.&F.CO.         |
| INSIDE DIMENSIONS        |             | TYPE OF TRUCKS        | BETTENDORF         |
| LENGTH                   | 40'-0"      | NO. OF STAKE POCKETS  | 32                 |
| WIDTH                    | 8'-3"       | SIZE OF STAKE POCKETS | 4" x 5"            |
| OUTSIDE DIMENSIONS       |             |                       |                    |
| OVERALL LENGTH           | 40'-0"      |                       |                    |
| WIDTH AT END SILLS       | 8'-3"       |                       |                    |
| EXTREME WIDTH            | 9'-2 1/4"   |                       |                    |
| OVERALL HEIGHT FROM RAIL | 4'-2"       |                       |                    |
| TO EXTREME WIDTH         | 4'-4 3/4"   |                       |                    |
| EXTREME HEIGHT           | 4           |                       |                    |
| NO. OF AXLES             | 4           |                       |                    |
| WHEELS                   | 33" C.I.    |                       |                    |

50 TON FLAT CAR

U.S.A. NOS: 601-830, 831-910, 911-1150,   
 BRAKES AIR   
 VACUUM AIR

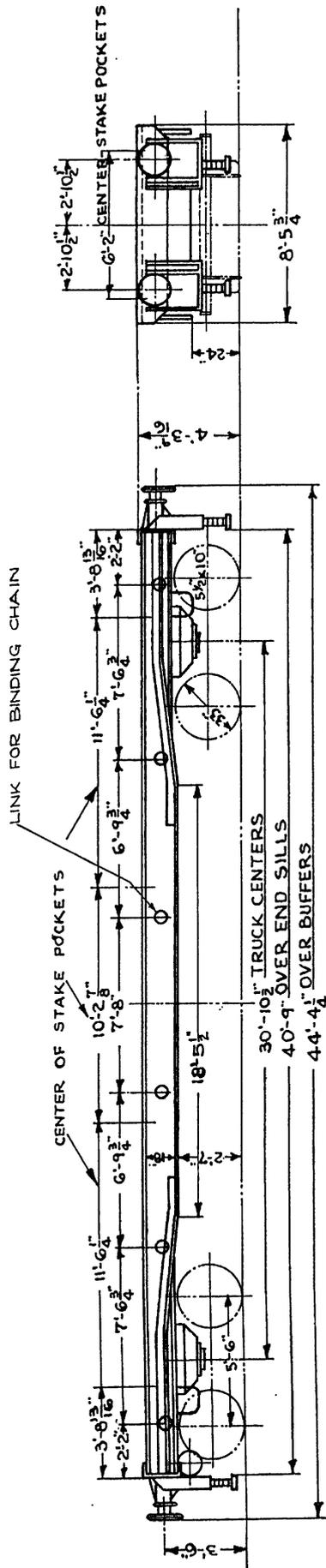
NOTE: - 60 CARS - AIR BRAKE ONLY.   
 - 30 CARS - VACUUM BRAKE ONLY.   
 - 100 CARS - AIR BRAKE & VACUUM   
 TRAIN LINE ONLY.



|                               |              |  |   |
|-------------------------------|--------------|--|---|
| GAUGE LIMIT                   | 4'-5 1/2"    | TO TOP OF FLOOR                          | 4'-2 3/8"                                   |
| LOAD                          | 100,000 LBS. | EXTREME HEIGHT                           | 4'-2 5/8"                                   |
| CAPACITY                      | 340 SQ. FT.  | NO. OF AXLES                             | 4   |
| LT. WEIGHT                    | 36,700 LBS.  | WHEELS                                   | 39"-C.T.,<br>5 1/2" X 10"                   |
| OUTSIDE DIMENSIONS            |              | SIZE OF JOURNALS                         | 3 1/2" X 10"                                |
| OVERALL LENGTH - OVER SILLS   | 40'-0"       | TYPE OF BRAKES - HAND                    | AIR - VACUUM TRAIN LINE                     |
| OVERALL LENGTH - OVER BUFFERS | 43'-7 1/4"   | TYPE OF COUPLER - HOOK & SCREW - BUFFERS | EACH END                                    |
| OVERALL LENGTH - OVER SILLS   | 40'-0"       | BUILDER                                  | A. C. F. CO.                                |
| WIDTH AT END SILLS            | 8'-6"        | EQUIPPED WITH JACKS                      | AT EACH END                                 |
| EXTREME WIDTH                 | 8'-6"        | UNDERFRAME:                              | BUILT UP STEEL                              |
| TO EXTREME WIDTH FROM RAIL    | 4'-2 3/8"    | CENTER SILL:                             | CB-183 3/4" X 2 PER CAR                     |
|                               |              | SIDE SILL:                               | CB-142 3/4" X 2 PER CAR                     |
|                               |              | END SILL:                                | 3/8" FORMED PLATE                           |
|                               |              | BOLSTER:                                 | 3/16" STL. PRESSING                         |
|                               |              | CROSS-BEARER:                            | 3/16" STL. PRESSING                         |
|                               |              | CROSS-TIE:                               | 3/16" STL. PRESSING                         |
|                               |              |  | BOLSTER TOP COVER PLATE: 1/4" STL. PLATE    |
|                               |              |  | BOLSTER BOTTOM COVER PLATE: 1/4" STL. PLATE |
|                               |              |  | CENTER SILL SEPARATOR: 3/4" STL. PRESSING   |
|                               |              |  | FLOOR: 2 1/2" TONGUED & GROVED              |
|                               |              |  | TRUCK SIDE FRAME: C-5 INTERCAL JOINT BOXES  |
|                               |              |  | SIDE BEARING: FRICTION TYPE                 |

U.S.A. 56 TON FLAT CARS  
AFRICAN THEATRE

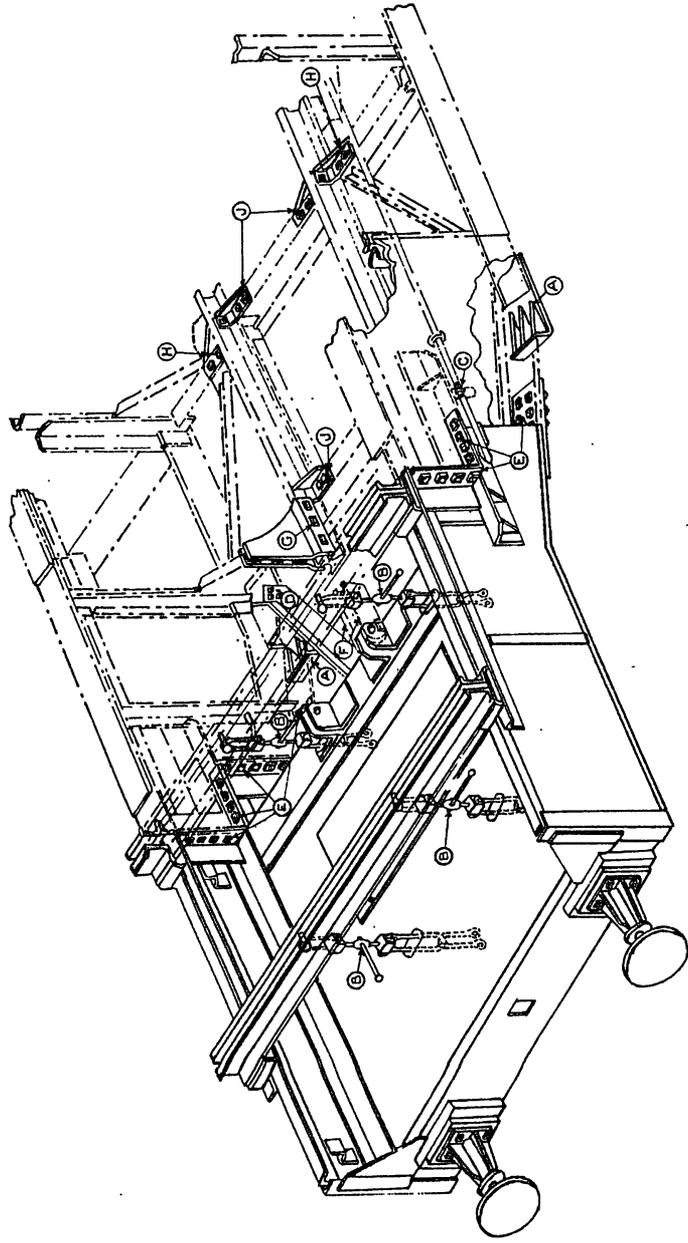
U.S.A. NOS. 353,400 - 355,027



|                          |                           |                     |  |
|--------------------------|---------------------------|---------------------|--|
| GAUGE                    | 41'-8 1/2"                | NO. OF AXLES        | 4  |
| LOAD LIMIT               | 67.05 TONS                | WHEELS              | 8-33" G.I.                               |
| CAPACITY                 | 350 SQ.FT. 56 TONS        | SIZE OF JOURNALS    | 5 1/2" X 10"                             |
| LOAD WEIGHT              | 34,900 LBS. OR 17.45 TONS | TYPE OF BRAKES      | WESTINGHOUSE-10 X 12 CYL. HAND & AIR     |
| INSIDE DIMENSIONS        |                           | TYPE OF COUPLERS    | HOOKE & LINK                             |
| LENGTH                   | 40'-9"                    | BUILDER             | A.C. & F. CO.                            |
| WIDTH                    | 8'-3 3/4"                 | EQUIPPED WITH JACKS | BETTENDORF A.S.F.                        |
| HEIGHT                   | 4'-3 1/4"                 | TRUCKS              | NO. X 2181B                              |
| OUTSIDE DIMENSIONS       |                           | BUFFERS             | BUILT UP STEEL                           |
| LENGTH OVER SILLS        | 40'-9"                    | UNDERFRAME:         | BOLSTER TOP COVER PLATE: 3/8" STL. PLATE |
| WIDTH OVER SILLS         | 8'-5 3/4"                 | CENTER SILL:        | " BOTTOM " : 1/8" STL. PLATE             |
| EXTREME WIDTH            | 8'-5 3/4"                 | SIDE SILL:          | 12 1/2" Z @ 31.3 LBS. (TWO)              |
| OVERALL HEIGHT FROM RAIL | 3'-0"                     | END SILL:           | 18 3/4" CB 183 @ 96 LBS.                 |
| TO EXTREME WIDTH         |                           | BOLSTER:            | 1/4" STL. PRESSING                       |
| TO EXTREME HEIGHT        | 4'-3 3/4"                 | CROSS BEARER:       | 1/4" STL. PRESSING                       |
|                          |                           | CROSS TIE:          | 1/4" STL. PRESSING                       |

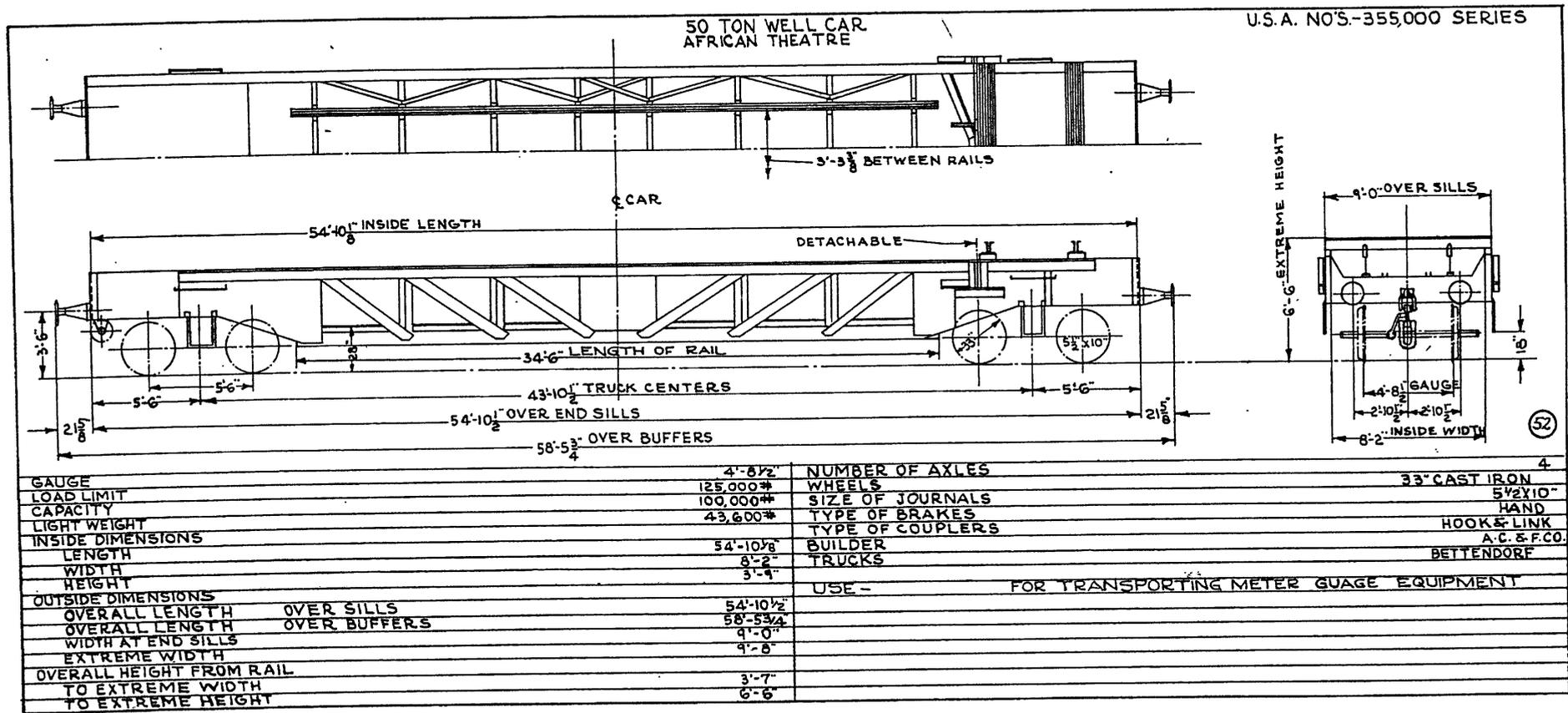
OPERATIONS FOR REMOVING END ON 50 TON WELL CAR  
AFRICAN THEATRE

U.S.A. NOS. 355,000 SERIES



| SEQUENCE OF OPERATIONS FOR REMOVING END OF TRACK |   |
|--|---|
| 1  | REMOVE SPRINGS AND PROPERLY BLOCK CAR TO PREVENT ANY MOVEMENT.              |
| 2  | SCREW ALL CONNECTIONS (A) TIGHT TO HOLD REMOVABLE END IN POSITION.          |
| 3  | DISCONNECT AIR PIPE AT UNION (B).   |
| 4  | REMOVE BOLTS IN DIAGONAL BRACE (C).   |
| 5  | REMOVE LOCOMOTIVE ANCHORS AT (D) (IF ANCHORS ARE TO BE REMOVED FROM END).   |
| 6  | REMOVE WHEEL STOPS (E).   |
| 7  | CONNECT TRACK ON CAR TO TRACK ON THE GROUND AND HAUL LOCOMOTIVE AWAY.       |
| 8  | TO REPLACE END - REVERSE OPERATIONS.  |
| 9  | RAIL CLIPS (F) & (G) ARE ARRANGED FOR METER TRACK REVERSE CLIPS FOR 42" GA. |

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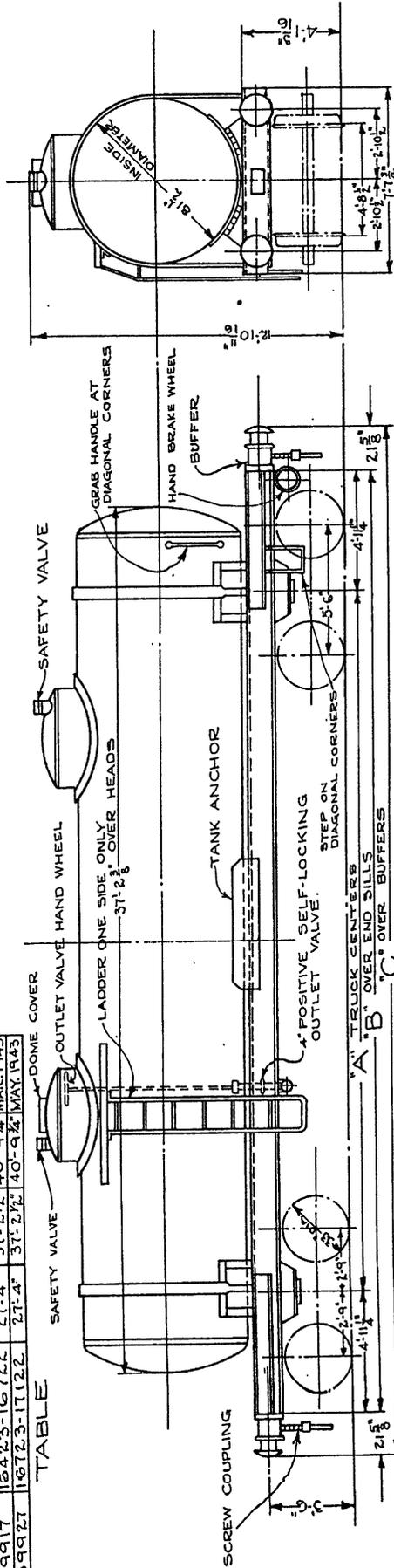
9,900 U.S. GALLON TANK CAR  
AFRICAN THEATRE

| PO. NO. | U.S.A. NO.  | "A"                   | "B"                  | "C"                  | DEL. DATE |
|---------|-------------|-----------------------|----------------------|----------------------|-----------|
| 59752   | 1200-1299   | 29-10 $\frac{1}{2}$ " | 39-8 $\frac{3}{4}$ " | 43-4"                | DEC. 1942 |
| 59752   | 1300-1399   | 27-4"                 | 37-2 $\frac{1}{2}$ " | 40-9 $\frac{1}{4}$ " | JAN. 1943 |
| 59917   | 16423-16722 | 27-4"                 | 37-2 $\frac{1}{2}$ " | 40-9 $\frac{1}{4}$ " | MAR. 1943 |
| 59927   | 16723-17122 | 27-4"                 | 37-2 $\frac{1}{2}$ " | 40-9 $\frac{1}{4}$ " | MAY. 1943 |

## TABLE

|                             |                        |                         |  |            |   |
|-----------------------------|------------------------|-------------------------|--|------------|---|
| GUAGE                       | 4'-8 $\frac{1}{2}$ "   | EXTREME HEIGHT          | 12'-10 $\frac{1}{8}$ "                     | CROSS TIE  | NONE  |
| LOAD LIMIT                  | 40 TON.                | NO. OF AXLES            | 4  | TANK SHELL | $\frac{1}{4}$ " STL. TOP & SIDE SHEETS              |
| CAPACITY                    | 1290 CU.FT., 3400 GAL. | WHEELS                  | 650 LBS., 33" DIA. C.I.                    | "          | $\frac{3}{8}$ " STL. BOTTOM SHEET                   |
| LIGHT WEIGHT                | 40,000 LBS.            | SIZE OF JOURNALS        | 5 X 9 A.A.R.                               | "          | HEAD  |
| INSIDE DIMENSIONS           |                        | TYPE OF BRAKES          | AIR (WITH VACUUM LINE)                     | "          | $\frac{1}{2}$ " STEEL                               |
| LENGTH-TANK                 | 37'-1 $\frac{3}{4}$ "  | TYPE OF COUPLERS        | SCREW COUPLING                             | "          | DOMIE   |
| DIAMETER-TANK               | 6'-9 $\frac{1}{2}$ "   | BUILDER                 | A.C. & F. CO.                              | "          | SAFETY VALVE  |
| DIAMETER-DOME               | 4'-0"                  | SAFETY VALVES TESTED AT | 25 LBS.                                    | "          | OUTLET VALVE  |
| OUTSIDE DIMENSIONS          |                        | TANK TESTED AT          | 60 LBS.                                    | "          | DOMIE COVER   |
| OVERALL LENGTH OVER SILLS   | SEE TABLE              | NO. OF DOMIES           | 2  | "          | TRUCK SIDE FRAME - C.S. (WITH INTEGRAL JOUR. BOXES) |
| OVERALL LENGTH OVER BUFFERS | SEE TABLE              | UNDERFRAME              | BUILT UP STEEL                             | "          | SIDE BEARING  |
| WIDTH AT END SILLS          | 7'-7 $\frac{3}{4}$ "   | CENTER SILL             | (TWO) 12 $\frac{1}{2}$ " X 2 @ 31.3 LBS.   | "          |   |
| EXTREME WIDTH               | 8'-2"                  | SIDE SILL               | 10" X 15.3 LBS. (FROM END SILL TO BOLSTER) | "          |   |
| OVERALL HEIGHT FROM RAIL    |                        | END SILL                | $\frac{3}{16}$ " FORMED PLATE              | "          |   |
| TO EXTREME WIDTH            | 11'-6"                 | BOLSTER                 | $\frac{1}{4}$ " STL. PRESSING              | "          |   |
| TO TOP OF TANK              | 11'-9 $\frac{1}{8}$ "  | CROSSBEARER             | NONE                                       | "          |   |

U.S.A. NOS.- SEE TABLE

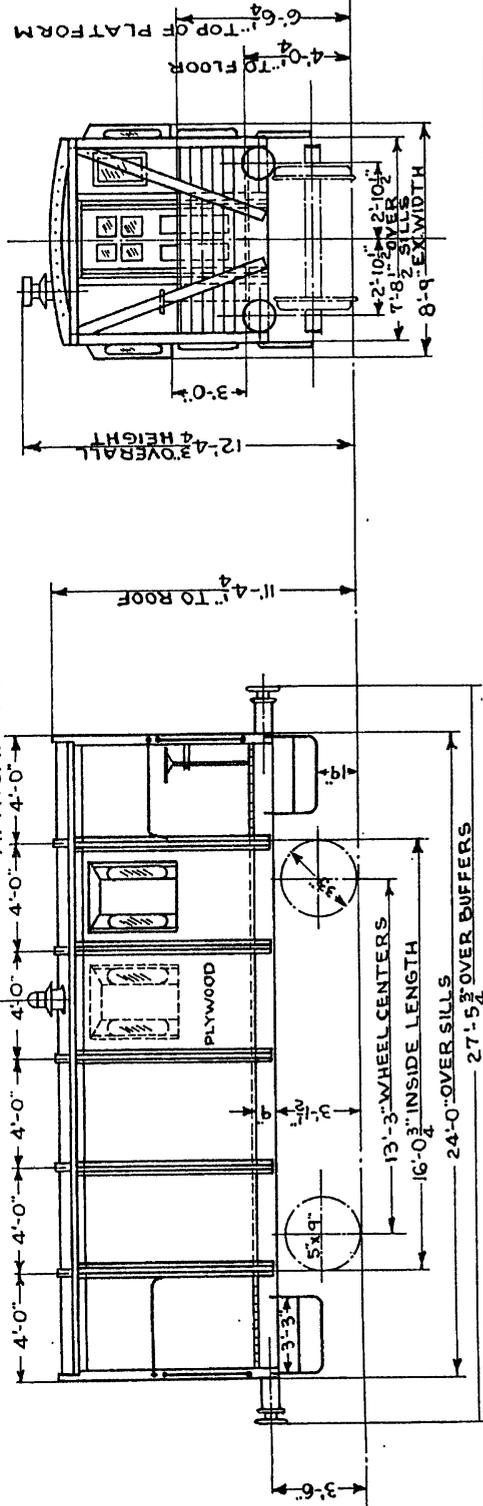


53



20 TON CABOOSE  
AFRICAN  
THEATRE

U.S.A. NOS. 90050-90099



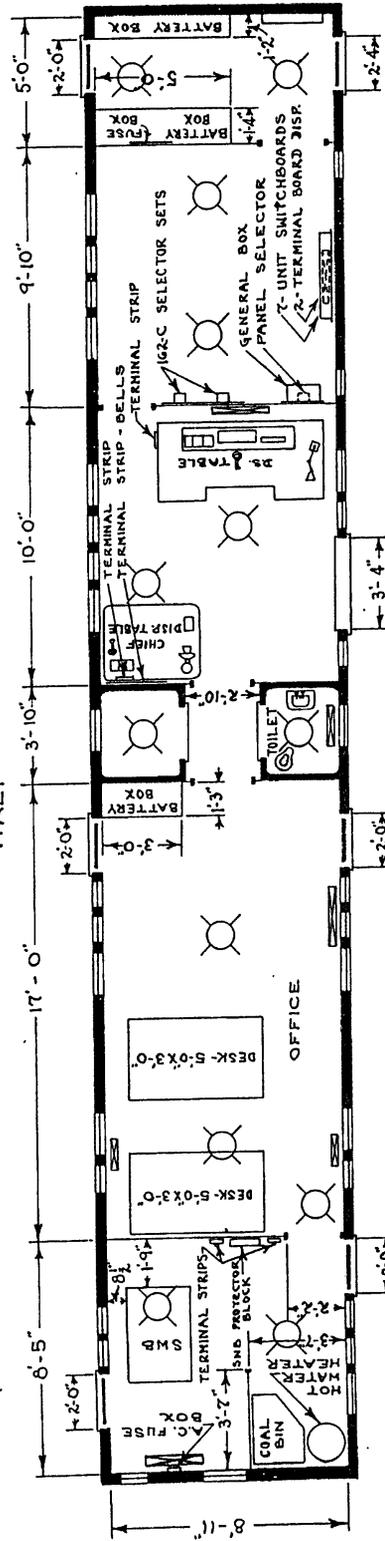
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|                          |                          |                  |                                    |
|--------------------------|--------------------------|------------------|------------------------------------|
| GAUGE                    | 4'-8 1/2"                | NUMBER OF AXLES  | 2                                  |
| LOAD LIMIT               | 20 TONS                  | WHEELS           | 33" CAST IRON                      |
| CAPACITY                 | 1000 CU FT 20 TONS       | SIZE OF JOURNALS | 5 X 9"                             |
| L.T. WEIGHT              | 17,700 LBS. 0 TONS       | TYPE OF BRAKES   | WESTINGHOUSE 10X12 CYL. HAND & AIR |
| INSIDE DIMENSIONS        | 16'-0 3/4" INSIDE LENGTH | TYPE OF COUPLERS | HOOK & LINK - 2 BUFFERS EACH END   |
| LENGTH                   | 27'-5 3/4" OVER SILLS    | BUILDER          | PULLMAN STD. CAR MFG. CO.          |
| WIDTH                    | 8'-9"                    | NO. OF BUNKS     | 4                                  |
| HEIGHT                   | 12'-4 3/4" OVER BALL     |                  |                                    |
| OUTSIDE DIMENSIONS       |                          |                  |                                    |
| OVERALL LENGTH           | 27'-5 3/4"               |                  |                                    |
| WIDTH AT END SILLS       | 8'-9"                    |                  |                                    |
| EXTREME WIDTH            | 8'-9"                    |                  |                                    |
| OVERALL HEIGHT FROM RAIL | 12'-4 3/4"               |                  |                                    |
| TO EXTREME WIDTH         | 12'-4 3/4"               |                  |                                    |
| TO ROOF                  | 11'-4 1/2"               |                  |                                    |
| EXTREME HEIGHT           | 12'-4 3/4"               |                  |                                    |





DISPATCHING & COMMUNICATIONS CAR  
ITALY

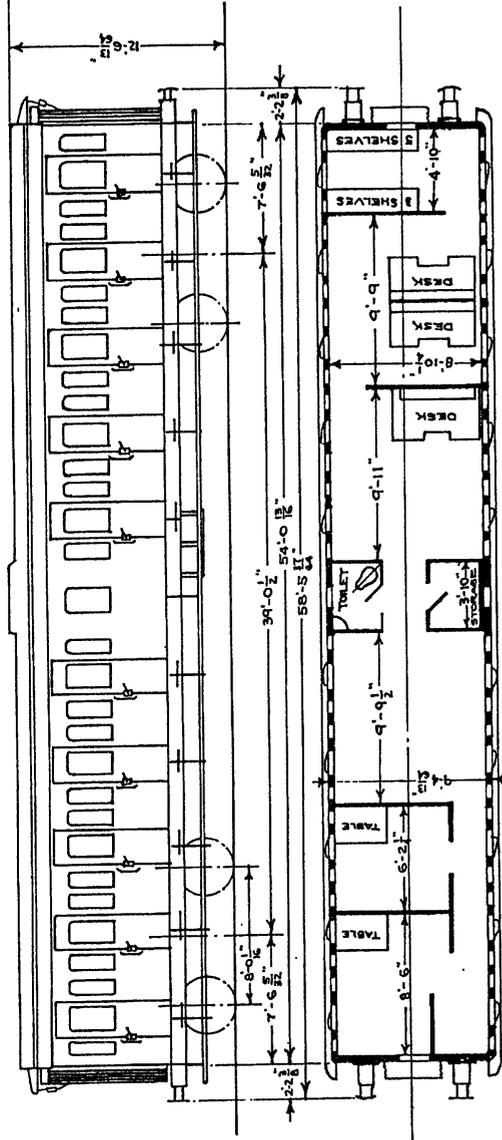


NOTE: RADIATORS DESIGNATED THUS - 

DISPATCHERS CAR

NOS. 1-2-3-4

ITALY



75,240 LBS.  
77,000 "

LIGHT WEIGHT  
WEIGHT IN SERVICE  
EXTREME WIDTH  
INSIDE LENGTH

10'-4"

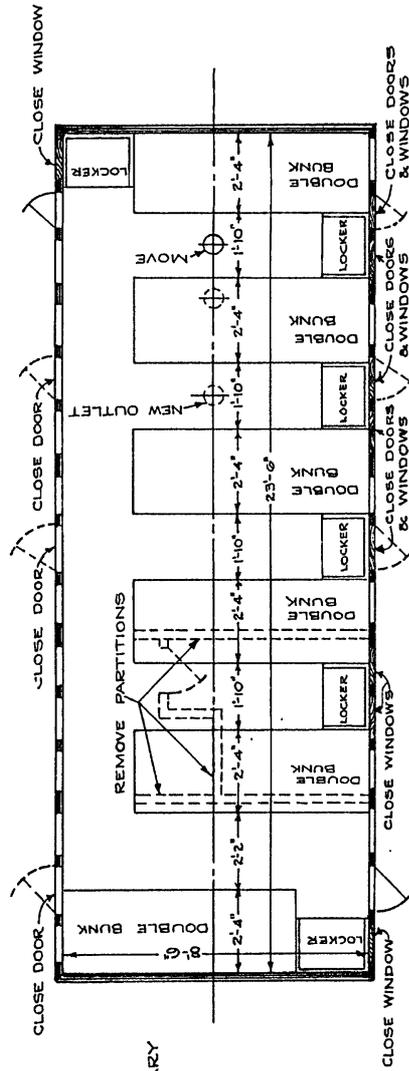
59





MOBILE RAILWAY SHOP CARS  
BUNK CARS  
AFRICAN THEATRE

U.S.A. NO. B-104  
TRAIN NO. 1



BUNKS TO BE OF STANDARD DESIGN.  
PATCH ALL WALLS WHERE NECESSARY  
LOCKERS TO BE OF SIZE TO FIT  
AVAILABLE SPACE.

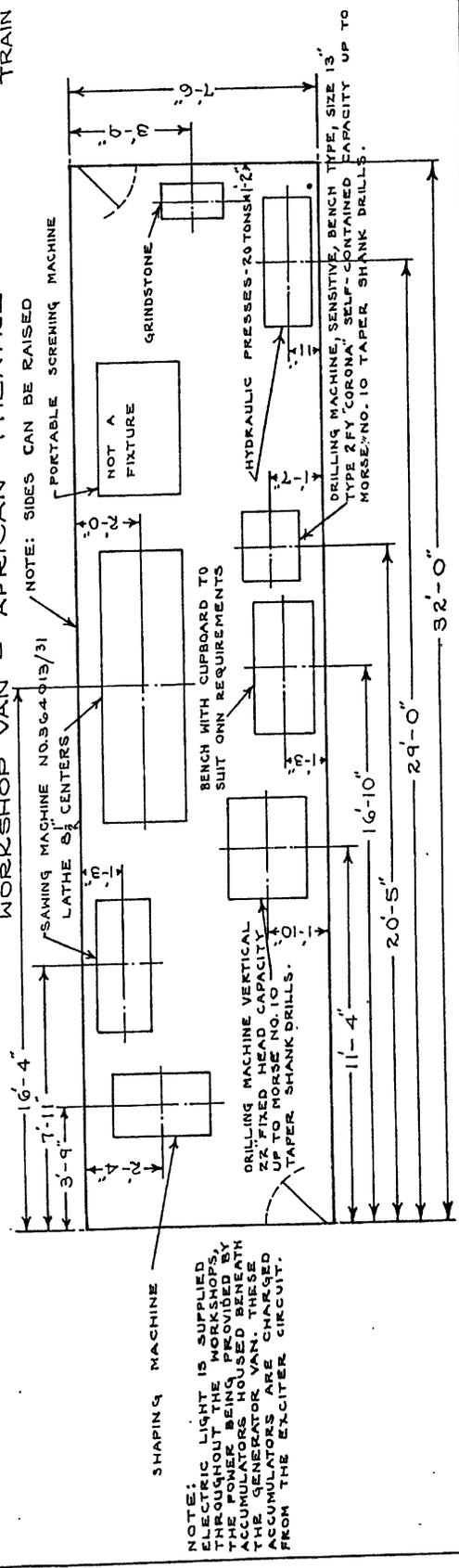
|                             |            |                        |                               |
|-----------------------------|------------|------------------------|-------------------------------|
| GAUGE                       | 4'-8 1/2"  | NO. OF AXLES           | 2                             |
| LOAD LIMIT                  | 2 7/8 TONS | WHEELS                 | 4 - 36 1/4" DIA.              |
| LIGHT WEIGHT                | 8 TONS     | SIZE OF JOURNALS       | 6 1/2" X 5 1/2"               |
| INSIDE DIMENSIONS           |            | TYPE OF BRAKES         | HAND BRAKE IN CAB             |
| LENGTH                      | 23'-6"     | TYPE OF COUPLERS       | HOOK & LINK 2 BUFFERS EA. END |
| WIDTH                       | 8'-6"      | BUILDER                | C.F.A. 1928 REMODELED 1943    |
| HEIGHT                      | 7'-3"      | TYPE OF TRUCKS         | NONE                          |
| OUTSIDE DIMENSIONS          |            | DISTANCE BETWEEN AXLES | 11'-9 1/4"                    |
| OVERALL LENGTH OVER SILLS   | 27'-9 1/2" |                        |                               |
| OVERALL LENGTH OVER BUFFERS |            |                        |                               |
| WIDTH AT END SILLS          |            |                        |                               |
| EXTREME WIDTH               |            |                        |                               |
| OVERALL HEIGHT FROM RAIL    |            |                        |                               |
| TO EXTREME WIDTH            |            |                        |                               |
| TO ROOT                     |            |                        |                               |
| EXTREME HEIGHT              |            |                        |                               |





U.S.A. NOS. MW-100-M  
TRAIN NO.1

MOBILE RAILWAY SHOP CARS THEATRE  
WORKSHOP VAN - AFRICAN



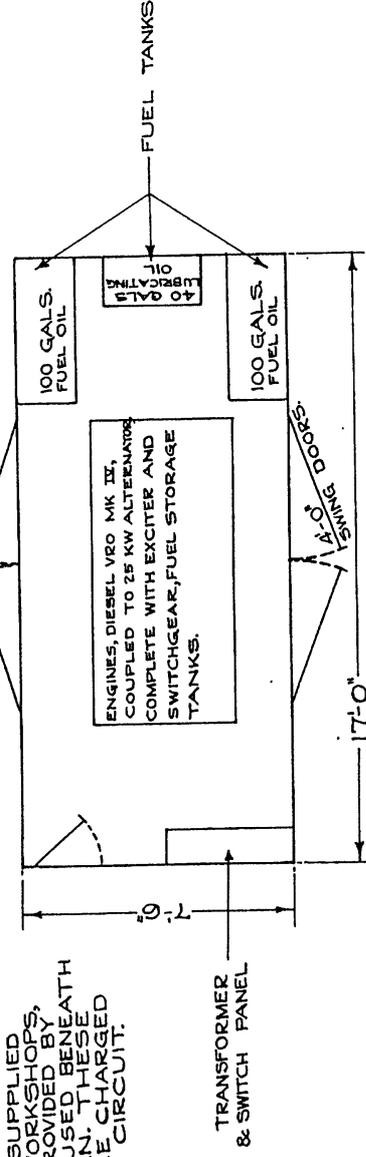
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|                             |           |                         |              |
|-----------------------------|-----------|-------------------------|--------------|
| GAUGE                       | 4'-8 1/2" | NO. OF AXLES            | 2            |
| LOAD LIMIT                  |           | WHEELS                  |              |
| LIGHT WEIGHT                |           | SIZE OF JOURNALS        |              |
| INSIDE DIMENSIONS           |           | TYPE OF COUPLERS        | HOOK & SCREW |
| LENGTH                      | 32'-0"    | TYPE OF BRAKES          |              |
| WIDTH                       | 7'-6"     | BUILDER                 |              |
| HEIGHT                      |           | TYPE OF TRUCKS          | NONE         |
| OUTSIDE DIMENSIONS          |           | DISTANCE BETWEEN TRUCKS |              |
| OVERALL LENGTH OVER SILLS   |           |                         |              |
| OVERALL LENGTH OVER BUFFERS |           |                         |              |
| WIDTH AT END SILLS          |           |                         |              |
| EXTREME WIDTH               |           |                         |              |
| OVERALL HEIGHT FROM RAIL    |           |                         |              |
| TO EXTREME WIDTH            |           |                         |              |
| TO ROOF                     |           |                         |              |
| EXTREME HEIGHT              |           |                         |              |

U.S.A. NO.- MW-101-G  
TRAIN NO. 1

MOBILE RAILWAY SHOP CARS  
GENERATOR VAN  
AFRICAN THEATRE

NOTE:  
ELECTRIC LIGHT IS SUPPLIED THROUGHOUT THE WORKSHOPS, THE POWER BEING PROVIDED BY ACCUMULATORS HOUSED BENEATH THE GENERATOR VAN. THESE ACCUMULATORS ARE CHARGED FROM THE EXCITER CIRCUIT.

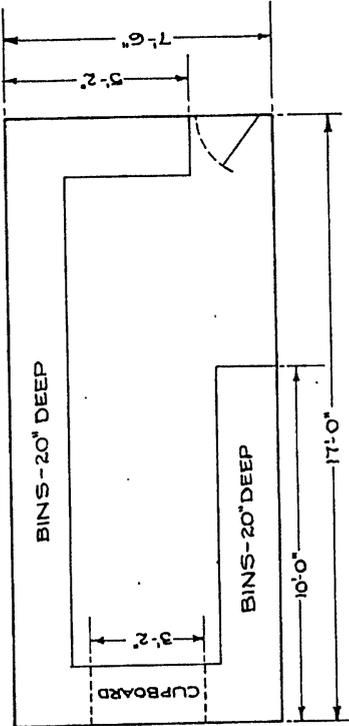


|                               |           |                          |              |
|-------------------------------|-----------|--------------------------|--------------|
| GAUGE                         | 4'-8 1/2" | NO. OF AXLES             | 2            |
| LOAD LIMIT                    |           | WHEELS                   | 4-           |
| LIGHT WEIGHT                  |           | SIZE OF JOURNALS         |              |
| INSIDE DIMENSIONS             |           | TYPE OF BRAKES           | HOOK & SCREW |
| LENGTH                        | 17'-0"    | TYPE OF COUPLERS         |              |
| WIDTH                         | 7'-6"     | BUILDER                  | NONE         |
| HEIGHT                        |           | TYPE OF TRUCKS           |              |
| OUTSIDE DIMENSIONS OVER SILLS |           | DISTANCE & TO & OF AXLES |              |
| OVERALL LENGTH OVER SILLS     |           |                          |              |
| OVERALL LENGTH OVER BUFFERS   |           |                          |              |
| WIDTH AT END SILLS            |           |                          |              |
| EXTREME WIDTH                 |           |                          |              |
| OVERALL HEIGHT FROM RAIL      |           |                          |              |
| TO EXTREME WIDTH              |           |                          |              |
| TO ROOF                       |           |                          |              |
| EXTREME HEIGHT                |           |                          |              |

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MOBILE RAILWAY SHOP CARS  
STORES VAN  
AFRICAN THEATRE

U.S.A. NO. - MW-102-S  
TRAIN NO. 1

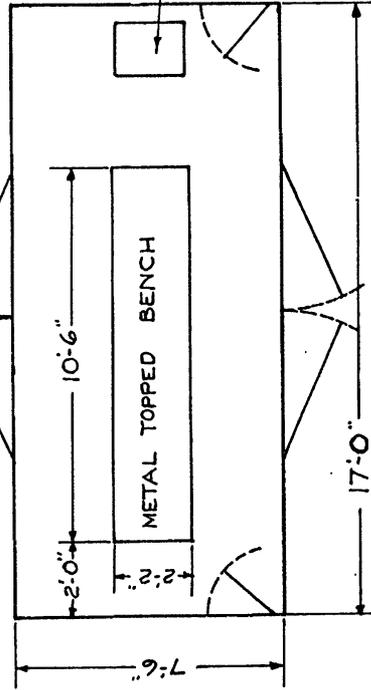


NOTE: ELECTRIC LIGHT IS SUPPLIED THROUGH-  
OUT THE WORKSHOPS, THE POWER BEING  
PROVIDED BY ACCUMULATORS HOUSED  
BENEATH THE GENERATOR VAN. THESE  
ACCUMULATORS ARE CHARGED FROM  
THE EXCITER CIRCUIT.

|                             |           |  |              |
|-----------------------------|-----------|--|--------------|
| GAUGE                       | 4'-8 1/2" | NO. OF AXLES                                     | 2            |
| LOAD LIMIT                  |           | WHEELS   |              |
| LIGHT WEIGHT                |           | SIZE OF JOURNALS                                 |              |
| INSIDE DIMENSIONS           | 17'-0"    | TYPE OF BRAKES                                   | HOOK & SCREW |
| LENGTH                      | 17'-0"    | TYPE OF COUPLERS                                 |              |
| WIDTH                       | 4'-2"     | BUILDER  | NONE         |
| HEIGHT                      |           | TYPE OF TRUCKS                                   |              |
| OUTSIDE DIMENSIONS          |           | DISTANCE $\frac{1}{4}$ TO $\frac{1}{2}$ OF AXLES |              |
| OVERALL LENGTH OVER SILLS   |           |  |              |
| OVERALL LENGTH OVER BUFFERS |           |  |              |
| WIDTH AT END SILLS          |           |  |              |
| EXTREME WIDTH               |           |  |              |
| OVERALL HEIGHT FROM RAIL    |           |  |              |
| TO EXTREME WIDTH            |           |  |              |
| TO ROOF                     |           |  |              |
| EXTREME HEIGHT              |           |  |              |

MOBILE RAILWAY SHOP CARS  
WELDING VAN  
AFRICAN THEATRE

U.S.A. NO.- MW -103-W  
TRAIN NO. 1



NOTE:  
ELECTRIC LIGHT IS SUPPLIED  
THROUGHOUT THE WORKSHOPS,  
THE POWER BEING PROVIDED BY  
ACCUMULATORS HOUSED BENEATH  
THE GENERATOR VAN. THESE  
ACCUMULATORS ARE CHARGED FROM  
THE EXCITER CIRCUIT.

REYROLLE HOLMES ARC WELDER, 70 VOLTS,  
300 AMPS, 1450 R.P.M., COMPLETE  
WITH STARTER.

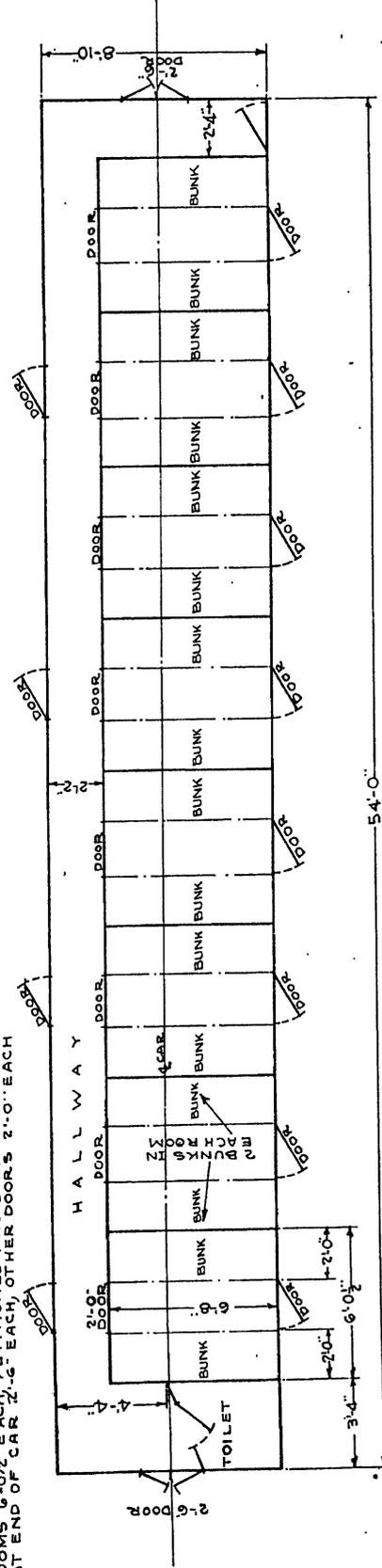
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|-----------------------------|-----------|--|--------------|
| GAUGE                       | 4'-8 1/2" | NO. OF AXLES                                     | 2            |
| LOAD LIMIT                  |           | WHEELS   |              |
| LIGHT WEIGHT                |           | SIZE OF JOURNALS                                 |              |
| INSIDE DIMENSIONS           |           | TYPE OF BRAKES                                   |              |
| LENGTH                      | 17'-0"    | TYPE OF COUPLERS                                 | HOOK & SCREW |
| WIDTH                       | 7'-6"     | BUILDER  |              |
| HEIGHT                      |           | TYPE OF TRUCKS                                   | NONE         |
| OUTSIDE DIMENSIONS          |           | DISTANCE $\frac{1}{4}$ TO $\frac{1}{4}$ OF AXLES |              |
| OVERALL LENGTH OVER SILLS   |           |  |              |
| OVERALL LENGTH OVER BUFFERS |           |  |              |
| WIDTH AT END SILLS          |           |  |              |
| EXTREME WIDTH               |           |  |              |
| OVERALL HEIGHT FROM RAIL    |           |  |              |
| TO EXTREME WIDTH            |           |  |              |
| TO ROOF                     |           |  |              |
| EXTREME HEIGHT              |           |  |              |

OLD NUMBER 24233

MOBILE RAILWAY SHOP CARS  
BUNK CAR

U.S.A. No. B-107  
TRAIN NO. 2

NOTE: ROOMS 6'-0 1/2" EACH, PETITIONED FOR 2 BUNKS EACH  
DOORS AT END OF CAR 2'-6" EACH, OTHER DOORS 2'-0" EACH



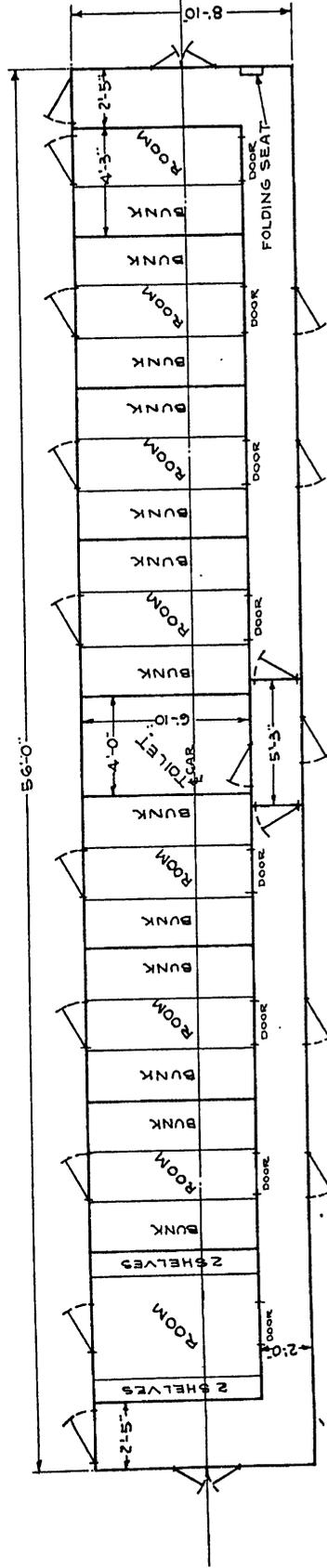
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|                             |           |                  |             |
|-----------------------------|-----------|------------------|-------------|
| GAUGE                       | 4'-8 1/2" | TYPE OF BRAKES   | AIR & HAND  |
| INSIDE DIMENSIONS           | 54'-0"    | TYPE OF COUPLERS | HOOK & LINK |
| LENGTH                      |           | BUILDER          | ITALIAN     |
| HEIGHT                      | 8'-10"    |                  |             |
| WIDTH                       | 54'-6"    |                  |             |
| OUTSIDE DIMENSIONS          | 58'-6"    |                  |             |
| OVERALL LENGTH OVER SILLS   | 4'-8"     |                  |             |
| OVERALL LENGTH OVER BUFFERS | 10'-6"    |                  |             |
| OVERALL LENGTH OVER SILL    | 10'-6"    |                  |             |
| WIDTH AT END SILL           | 12'-6"    |                  |             |
| EXTREME WIDTH               | 4         |                  |             |
| OVERALL HEIGHT FROM RAIL    | 35        |                  |             |
| TO ROOF                     | 35        |                  |             |
| EXTREME HEIGHT              | 5'-10"    |                  |             |
| NUMBER OF AXLES             |           |                  |             |
| WHEELS                      |           |                  |             |
| SIZE OF JOURNALS            |           |                  |             |

MOBILE RAILWAY SHOP CARS  
BUNK CAR

OLD NUMBER 29357

U.S.A. No. B-108  
TRAIN NO. 2



NOTE: THIS CAR HAS 6 ROOMS 6'-1" X 6'-10" WITH 2 BUNKS EACH  
1 ROOM 6'-1" X 6'-10" WITH 2 SHELVES  
1 ROOM 4'-3" X 6'-10" WITH 1 BUNK  
2 END DOORS 2'-6" WIDE  
2 WIDE DOORS 5'-3" WIDE  
ALL DOORS OPENING ON OUTSIDE 1'-11"  
REMAINING DOORS 1'-9"

|                             |           |                  |              |
|-----------------------------|-----------|------------------|--------------|
| Gauge                       | 4'-8 1/2" | Type of Brakes   | AIR & HAND   |
| Inside Dimensions           | 56'-0"    | Type of Couplers | HOOKE & LINK |
| Length                      | 8'-10"    | Builder          | ITALIAN      |
| Width                       | 56'-8"    |                  |              |
| Height                      | 6'-10"    |                  |              |
| Outside Dimensions          | 9'-4"     |                  |              |
| Overall Length Over Sills   | 10'-0"    |                  |              |
| Overall Length Over Buffers | 10'-6"    |                  |              |
| Width at End Sills          | 12'-5"    |                  |              |
| Extreme Width               | 4         |                  |              |
| Overall Height from Rail    | 58" DIA.  |                  |              |
| To Roof                     | 5' X 10"  |                  |              |
| Extreme Height              |           |                  |              |
| No. of Axles                |           |                  |              |
| Wheels                      |           |                  |              |
| Size of Journals            |           |                  |              |