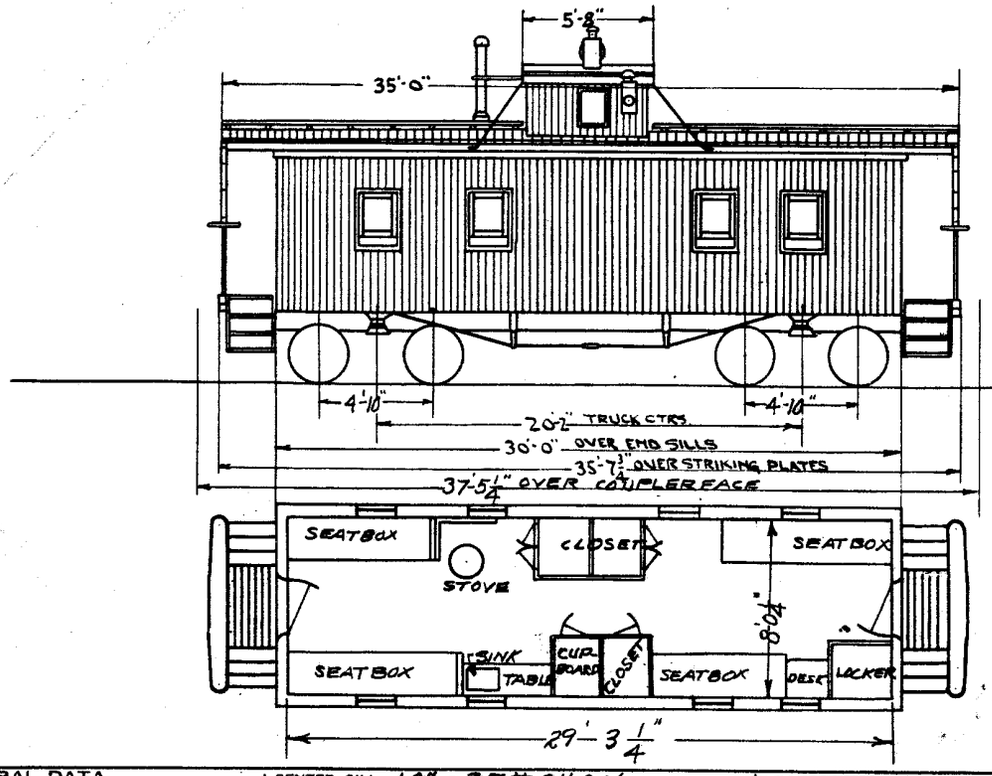
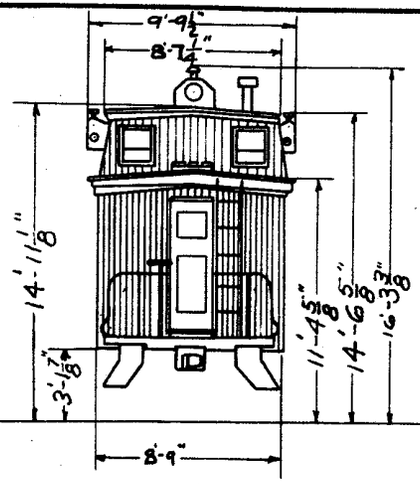
GROUP NO. 1
CABOOSE





BUILT	BUILDER	CARS
1881-82-83	LAFAYETTE CAR WKS.	1000-1080
1888	PENINSULAR CAR WKS.	1082-1095
1900-1901	STONY ISLAND	1096-1121
1907	AMER. CAR & FDY. CO.	1122-1140
1909	AMER. CAR & FDY. CO.	1141-1155
1913	STONY ISLAND	1156-1175
1916	STONY ISLAND	1176-1185
1921-22	CONNEAUT	1186-1191
1923	CONNEAUT	1192

GENERAL DATA			
BUILT BY SEE TABLE	CENTER SILL 10" - 35# CHAN.	SIDE BEARING CENTERS 5'-2"	MISCELLANEOUS
YEAR BUILT SEE TABLE	CENTER SILL AREA — 25.4 SQ.IN.	SHEATHING 7/8" T&G	
CAPACITY LEVEL FULL—CU. FT. —	CENTER SILL COVER PLATE 1/4" X 19 1/2"	SUPERSTRUCTURE WOOD	
CAPACITY WITH 10 IN. HEAP CU. FT. —	COUPLER 5" X 5"	UNDERFRAME REPAIRED STEEL	
AVERAGE LOAD LIMIT—LBS. —	COUPLER RELEASE RIGGING TOP OPER.		
AVERAGE LIGHT WEIGHT—LBS. — 39100	DOOR —	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES —	BOLSTER WOOD	
R. R. SPEC. NO.	DOOR CLEAR OPENING —	BRAKE BEAM —	
	DRAFT GEAR TANDEM SPRING	BRAKE BEAM SAFETY —	
	DRAFT GEAR ATTACHMENT	CENTER PLATE MALL. IRON	
	ENDS —	GENERAL DRAWING OF TRUCK NO. 7228-D	
CAR BODY DATA	END LOAD RATIO —	JOURNAL 4 1/4 X 8"	
AIR BRAKE MFG. WESTINGHOUSE	FLOORING 7/8 SQ. EDGE	SIDE BEARING PATT. A-113	
AIR BRAKE SCHEDULE —	GENERAL DRAWING OF CAR NO. 1470-E	SIDE FRAME — A.B.	
BODY BOLSTER STEEL BUILT UP	HAND BRAKE WHEEL & SHAFT	SPRING DOUBLE ELLIPTIC	
BODY CENTER PLATE PATT. A-606.	LINING END 7/8" T&G	WHEELS 33 IN.	
BODY SIDE BEARING PATT. A-612	LINING SIDE 7/8" T&G	WEIGHT OF ONE TRUCK	
CARLINES WOOD	ROOF WOOD		

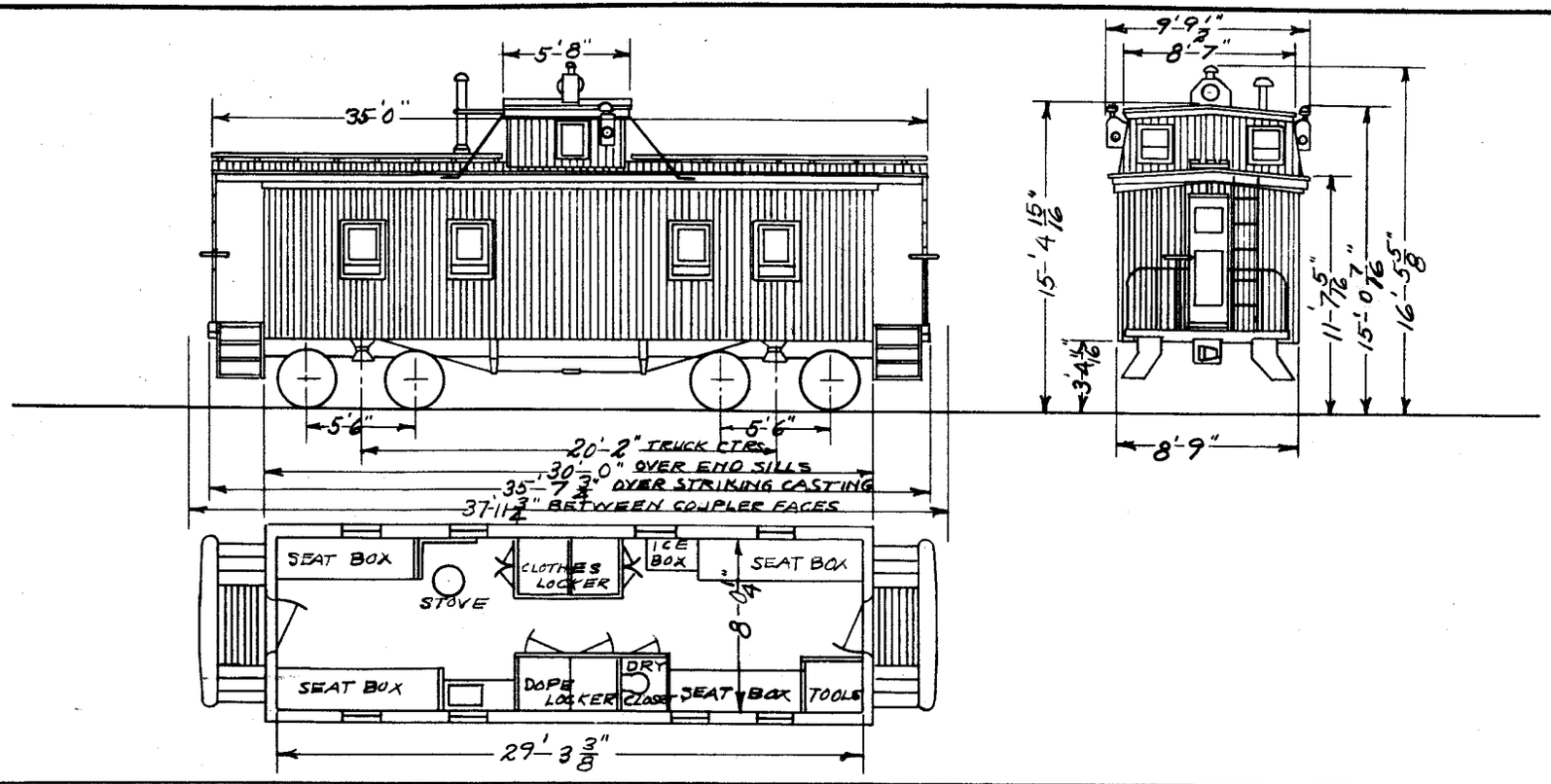
CLASS	CARS
CABOOSE	SEE TABLE

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JUNE 29, 1934

REVISIONS					
A/B					
12-15-1936					

DR	TR	CH	GROUP NO.	SHEET NO.
C.T.	C.T.		1	1



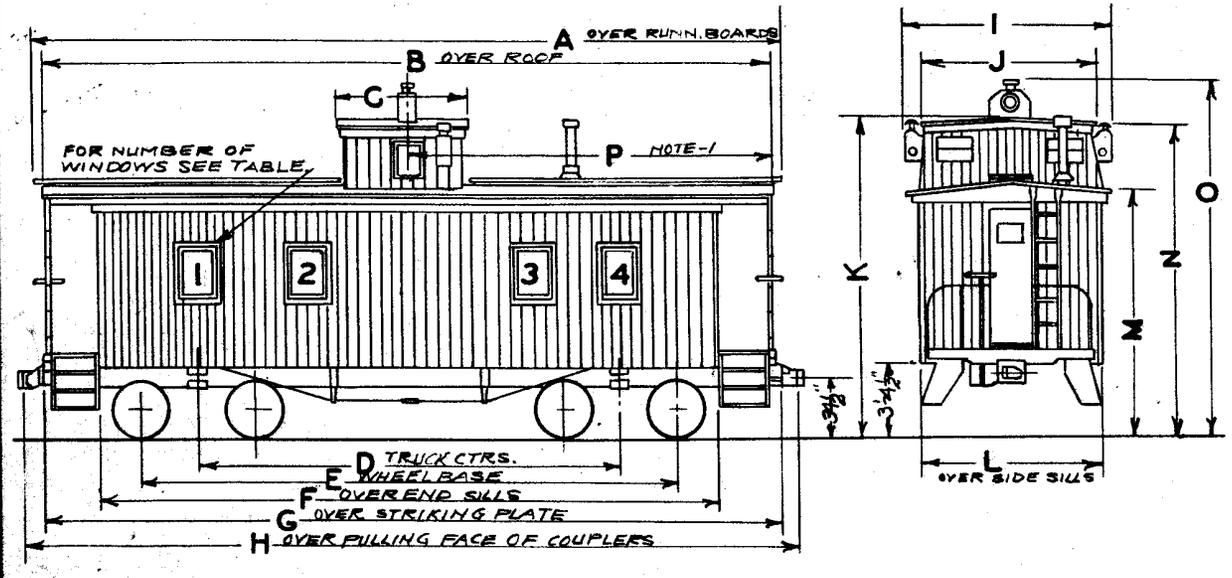
GENERAL DATA			
BUILT BY CONNEAUT	CENTER SILL 10" 35# CHAN.	SIDE BEARING CENTERS 5'-2"	MISCELLANEOUS
YEAR BUILT 1924	CENTER SILL AREA — 30.29 SQ. IN.	SHEATHING 13/16" T. & G.	
CAPACITY LEVEL FULL—CU. FT.	CENTER SILL COVER PLATE 1/4" X 19 1/2"	SUPERSTRUCTURE WOOD	
CAPACITY WITH 10 IN. HEAP CU. FT.	COUPLER 5"X7"	UNDERFRAME REPAIRED STEEL	
AVERAGE LOAD LIMIT—LBS.	COUPLER RELEASE RIGGING TOP OPER.		
AVERAGE LIGHT WEIGHT—LBS. 42320	DOOR —	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES —	BOLSTER STEEL	
R. R. SPEC. NO.	DOOR CLEAR OPENING —	BRAKE BEAM STEEL	
	DRAFT GEAR TANDEM SPRING	BRAKE BEAM SAFETY 2 1/2" X 1/4" L	
	DRAFT GEAR ATTACHMENT	CENTER PLATE INTEGRAL	
	ENDS —	GENERAL DRAWING OF TRUCK NO. 9319-D	
CAR BODY DATA	END LOAD RATIO —	JOURNAL 4 1/4" X 8"	
AIR BRAKE MFG. —	FLOORING 13/16" SQ. EDGE	SIDE BEARING INTERGAL	
AIR BRAKE SCHEDULE —	GENERAL DRAWING OF CAR NO. 9246-F	SIDE FRAME STEEL	
BODY BOLSTER STEEL - BUILT UP	HAND BRAKE WHEEL & SHAFT	SPRING ELEPTIC	
BODY CENTER PLATE PATT. A-606	LINING END 13/16" T. & G.	WHEELS 33"	
BODY SIDE BEARING PATT. A-612	LINING SIDE 13/16" T. & G.	WEIGHT OF ONE TRUCK 6840#	
CARLINES WOOD	ROOF WOOD		

CLASS	CARS
CABOOSE	1194-1208

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JULY 2, 1934

REVISIONS							
1/A/B							
8-21-12-15							
6-5-1936							
DR	TR	CH	GROUP NO.	SHEET NO.			
LHM	LHM		1	2			



WINDOWS	KIND OF TRUCK	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A	SIZE OF JOURNAL	CARS
1-2-3	S.M.	—	16'-2"	14'-6"	10'-10"	9'-0"	14'-10"	8'-5"	10'-0"	37'-0"	35'-2"	30'-0"	24'-10"	20'-0"	6'-2"	34'-3"	35'-7"	4¼"x8"	49, 117, 118, 120
1-2-3	S.M.	—	16'-3"	14'-6"	10'-10"	9'-1"	14'-11"	8'-5"	10'-0"	37'-2"	35'-4"	30'-1"	24'-11"	20'-1"	6'-2"	34'-4"	35'-8"	4¼"x8"	46
1-2-3	S.M.	11'-7"	—	—	11'-0"	8'-5"	14'-9"	8'-7"	—	36'-10"	35'-0"	29'-9"	24'-6"	19'-9"	5'-6"	34'-0"	35'-4"	4¼"x8"	56
1-2-3	S.M.	—	16'-2½"	14'-4"	11'-0"	8'-6½"	14'-11"	8'-6"	9'-9"	36'-10"	35'-0"	29'-9"	28'-4"	19'-9"	5'-6"	33'-11"	35'-3"	4¼"x8"	60
1-2-3	—	—	16'-3½"	14'-5½"	10'-9"	9'-0"	14'-9½"	8'-5"	9'-11"	33'-1"	31'-3"	26'-0"	20'-10"	16'-0"	6'-2"	30'-3"	31'-7"	4¼"x8"	61, 96, 104, 116, 135, 144
1-2-3-4	—	—	16'-4"	14'-7"	11'-1"	8'-4"	15'-3"	8'-5"	9'-10"	37'-0"	35'-2"	30'-0"	25'-2"	20'-4"	5'-4"	34'-2"	35'-6"	4¼"x8"	63, 66
1-2-3-4	S.M.	—	15'-7"	14'-7"	11'-1"	8'-4"	15'-3"	8'-5"	9'-10"	37'-0"	35'-2"	30'-0"	25'-2"	20'-4"	5'-6"	34'-2"	35'-6"	4¼"x8"	68
1-3	S.M.	—	16'-3"	14'-6"	10'-11"	9'-0"	15'-0"	8'-5"	9'-10"	33'-0"	31'-2"	26'-0"	20'-10"	16'-0"	6'-2"	30'-3"	31'-7"	4¼"x8"	88
1-2-3	S.M.	—	16'-2"	14'-6"	10'-10"	9'-0"	14'-10"	8'-5"	9'-10"	36'-11"	35'-2"	30'-0"	24'-10"	20'-0"	6'-2"	34'-3"	35'-7"	4¼"x8"	90, 100, 137
1-2-3	S.M.	—	16'-0"	14'-6"	10'-10"	9'-0"	14'-8"	8'-5"	9'-10"	33'-0"	31'-2"	26'-0"	20'-10"	16'-0"	6'-2"	30'-2"	31'-6"	4¼"x8"	94
1-2-3	S.M.	—	16'-4"	14'-7"	10'-11"	9'-1"	15'-1"	8'-6"	10'-0"	37'-1"	35'-5"	30'-2"	25'-2"	20'-3"	6'-2"	34'-5"	35'-9"	4¼"x8"	99
~~1-2-3~~			~~16'-5½"~~	~~14'-5½"~~	~~10'-9"~~	~~9'-0"~~	~~14'-9½"~~	~~8'-5"~~	~~9'-11"~~	~~33'-1"~~	~~31'-3"~~	~~26'-0"~~	~~20'-8"~~	~~16'-0"~~	~~6'-2"~~	~~30'-3"~~	~~31'-7"~~	~~3¾"x7"~~	~~[illegible] 106~~
1-2-3	RIGID	11'-2"	16'-3½"	14'-5½"	10'-9"	9'-0"	14'-9½"	8'-5"	9'-11"	33'-1"	31'-3"	26'-0"	20'-8"	16'-0"	6'-2"	30'-3"	31'-7"	3¾"x7"	113, 114, 119, 123, 124, 132, 136, 140
1-3	S.M.	—	16'-1½"	14'-6"	10'-10"	9'-0"	14'-9½"	8'-5"	9'-10"	33'-0"	31'-2"	26'-0"	20'-10"	16'-0"	6'-2"	30'-2"	31'-6"	4¼"x8"	112
1-3	RIGID	11'-2"	16'-1"	14'-5	10'-9"	9'-0"	14'-9"	8'-4"	9'-10"	33'-0"	31'-2"	26'-0"	20'-8"	16'-1"	6'-2"	30'-2"	31'-6"	3¾"x7"	110
1-3	RIGID	11'-2"	16'-3½"	14'-5½"	10'-9"	9'-0"	14'-9½"	8'-5"	9'-11"	33'-1"	31'-3"	26'-0"	20'-8"	16'-0"	6'-2"	30'-3"	31'-7"	3¾"x7"	111, 139, 141, 142
1-3	—	—	16'-3½"	14'-6"	10'-10"	9'-0"	14'-11½"	8'-5"	9'-10"	33'-1½"	31'-3½"	26'-0"	20'-10"	16'-0"	6'-2"	30'-2"	31'-8"	4¼"x8"	126
1-2-3	S.M.	11'-2"	16'-3½"	14'-5½"	10'-9"	9'-0"	14'-9½"	8'-5"	9'-11"	33'-1"	31'-3"	26'-0"	20'-8"	16'-0"	6'-2"	30'-3"	31'-7"	4¼"x8"	131
1-3	RIGID	11'-2"	16'-1"	14'-5"	10'-9"	9'-0"	14'-9"	8'-4"	9'-10"	33'-1"	31'-2"	26'-0"	20'-7"	16'-0"	6'-2"	30'-1"	31'-5"	3¾"x7"	145

GENERAL DATA		
BUILT BY	CENTER SILL	SIDE BEARING CENTERS
YEAR BUILT	CENTER SILL AREA	SHEATHING
CAPACITY LEVEL FULL—CU. FT.	CENTER SILL COVER PLATE	SUPERSTRUCTURE
CAPACITY WITH 10 IN. HEAP CU. FT.	COUPLER	UNDERFRAME
AVERAGE LOAD LIMIT—LBS.	COUPLER RELEASE RIGGING	
AVERAGE LIGHT WEIGHT—LBS.	DOOR	TRUCK DATA
BUILDERS REFERENCE	DOOR FIXTURES	BOLSTER
R. R. SPEC. NO.	DOOR CLEAR OPENING	BRAKE BEAM
	DRAFT GEAR	BRAKE BEAM SAFETY
	DRAFT GEAR ATTACHMENT	CENTER PLATE
	ENDS	GENERAL DRAWING OF TRUCK NO.
CAR BODY DATA	END LOAD RATIO	JOURNAL SEE TABLE.
AIR BRAKE MFG.	FLOORING	SIDE BEARING
AIR BRAKE SCHEDULE	GENERAL DRAWING OF CAR NO.	SIDE FRAME
BODY BOLSTER	HAND BRAKE	SPRING
BODY CENTER PLATE	LINING END	WHEELS 33" DIA.
BODY SIDE BEARING	LINING SIDE	WEIGHT OF ONE TRUCK
CARLINES	ROOF	

MISCELLANEOUS

NOTE-1: "P" APPLIES ONLY TO CARS HAVING CUPOLA OFF CENTER

NOTE-2: TRUCKS, RIGID OR SWING MOTION SEE TABLE.

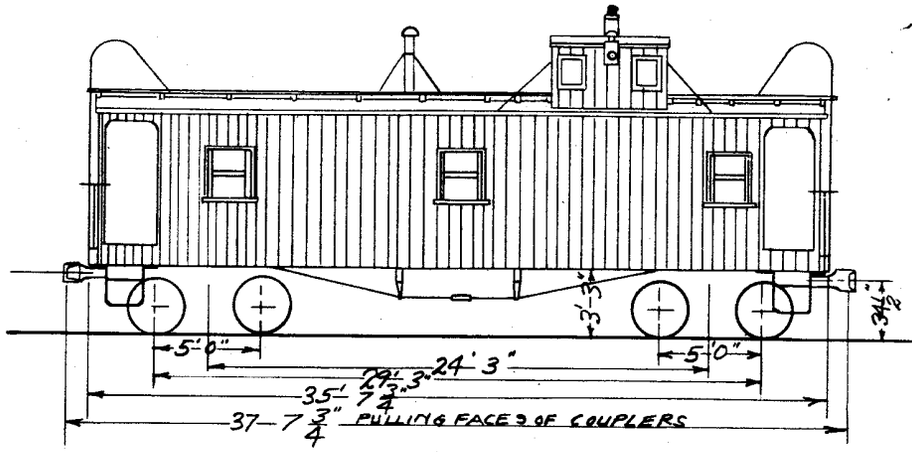
CLASS	CARS
CABOOSE	SEE TABLE

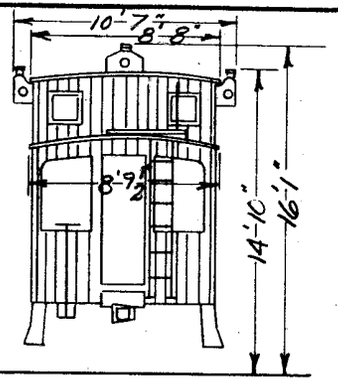
N.K.P.

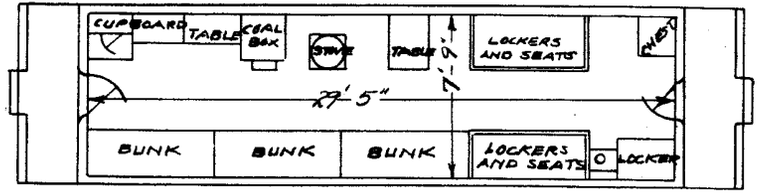
ADVISORY MECHANICAL COMMITTEE

CLEVELAND, OHIO JULY 2, 1934

REVISIONS					
1/11/35, 9/18/35, 4/11/40					
DR	TR	CH	GROUP NO.	SHEET NO.	
L.H.M.	L.H.M.		1	3	







GENERAL DATA	
BUILT BY	T. St. L. & W. R. R.
YEAR BUILT	SEE NOTE-1
CAPACITY LEVEL FULL CU. FT.	
CAPACITY WITH 10 IN. HEAP CU. FT.	
AVERAGE LOAD LIMIT LBS.	
AVERAGE LIGHT WEIGHT LBS.	35000
BUILDERS REFERENCE	
R. R. SPEC. NO.	

CAR BODY DATA	
AIR BRAKE MFG.	—
AIR BRAKE SCHEDULE	—
BODY BOLSTER	WOOD SEE NOTE-2.
BODY CENTER PLATE	
BODY SIDE BEARING	
CARLINES	WOOD

CENTER SILL	WOOD SEE NOTE-2
CENTER SILL AREA	—
CENTER SILL COVER PLATE	SEE NOTE-2
COUPLER	
COUPLER RELEASE RIGGING	
DOOR	—
DOOR FIXTURES	—
DOOR CLEAR OPENING	—
DRAFT GEAR	MINER TAND. SPRING.
DRAFT GEAR ATTACHMENT	—
ENDS	—
END LOAD RATIO	—
FLOORING	—
GENERAL DRAWING OF CAR NO.	14596-D
HAND BRAKE	WHEEL & SHAFT.
LINING END	—
LINING SIDE	—
ROOF	WOOD

SIDE BEARING CENTERS	5'-0" SEE NOTE-2
SHEATHING	WOOD
SUPERSTRUCTURE	WOOD
UNDERFRAME	WOOD SEE NOTE-2

TRUCK DATA	
BOLSTER	WOOD SEE NOTE-2
BRAKE BEAM	—
BRAKE BEAM SAFETY	—
CENTER PLATE	SEE NOTE-2
GENERAL DRAWING OF TRUCK NO.	13656-C & 19711-C
JOURNAL	4 1/4" X 8"
SIDE BEARING	SEE NOTE-2
SIDE FRAME	ARCH BAR
SPRING	ELLIPTIC
WHEELS	33" DIA.
WEIGHT OF ONE TRUCK	

MISCELLANEOUS

NOTE-1: CONVERTED FROM BOX CARS 9000 SERIES IN A PERIOD OF TIME BEGINNING DEC. 1913 AND ENDING DEC. 1915.
NOTE-2. CARS 212, 228, 231, 236, 239, 244, 245 AND 253 HAVE STEEL UNDERFRAME. 10"-35# CHAN. CENTER SILL. COVER PLATE 1/4" X 19 1/4". CAST STEEL TRUCK BOLSTER WITH INTEGRAL CENTER PLATE AND SIDE BEARING. SIDE BEARING CENTERS 4'-10".

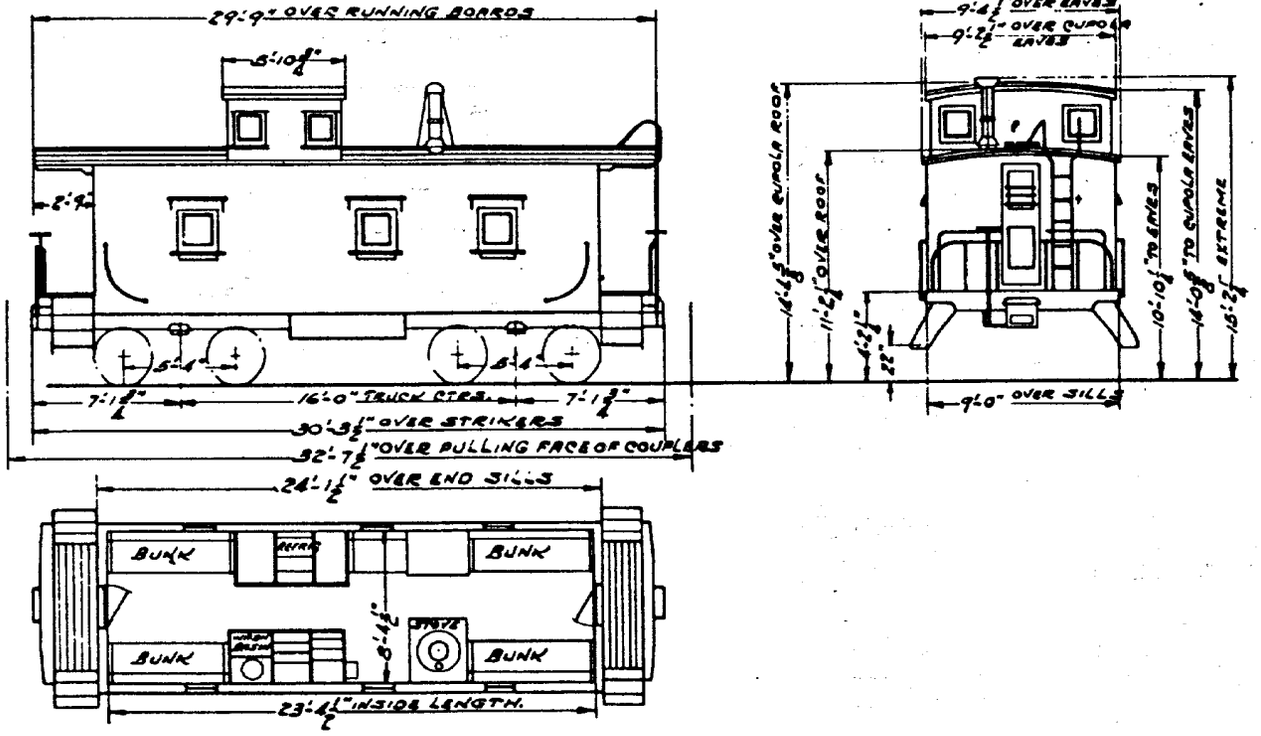
CLASS	CARS
CABOOSE	212, 239 220, 240 226, 241 228, 244 231, 245 236, 253

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JULY 3, 1934

REVISIONS
12-15-1936

DR	TR	CH	GROUP NO.	SHEET NO.
LHM	LHM	CPD	1	4



NOTE:-1
BUILT BY N.Y.R.R. IN 1915 & NUMBERED 345,
PURCHASED BY C&O RY. AND RENUMBERED 90836.
PURCHASED BY NKP JUNE 1941.

GENERAL DATA

BUILT BY - SEE NOTE:-1
YEAR BUILT - SEE NOTE:-1
CAPACITY LEVEL FULL—CU. FT.
CAPACITY WITH 10 IN. HEAP CU. FT.
AVERAGE LOAD LIMIT—LBS.
AVERAGE LIGHT WEIGHT—LBS. - 32300
BUILDERS REFERENCE
B. R. SHEET NO.

CAR BODY DATA

AIR BRAKE MFG. - N.Y.A.B. Co.
AIR BRAKE SCHEDULE - 8" COMBINED
BODY BOLSTER
BODY CENTER PLATE
BODY SIDE BEARING
CARLINES

CENTER SILL - 2 9" 20# CHANNELS
CENTER SILL AREA - 16.86 SQ. IN.
CENTER SILL COVER PLATE - 1/4" x 18 1/2"
COUPLER - 5"x7" SHANK 9 7/8" BUTT.
COUPLER RELEASE PLUGIN - TOP LIFT
DOOR
DOOR FIXTURES
DOOR CLEAR OPENING
DRAFT GEAR - MINER TANDEM CLASS G SPRING
DRAFT GEAR ATTACHMENT
ENDS
END LOAD RATIO
FLOORING - 2 COURSES - 1 1/4" OAK OVER 2" BOARDS
GENERAL DRAWING OF CAR—NO. - 139-11-83
HAND BRAKE
LINING END
LINING SIDE
ROOF

SIDE BEARING CENTERS
SHEATHING - WOOD
SUPERSTRUCTURE - WOOD
UNDERFRAME - STEEL CTR. SILLS & CROSSBEARERS

TRUCK DATA

BOLSTER
BRAKE BEAM
BRAKE BEAM SAFETY
CENTER PLATE
GENERAL DRAWING OF TRUCK NO.
JOURNAL - 4 1/4" x 8"
SIDE BEARING
SIDE FRAME - ANDREWS
SPRING - ELLIPTIC
WHEELS - 33" DIA. CAST IRON
WEIGHT OF ONE TRUCK

MISCELLANEOUS

1250
CLASS CARS
CABOOSE

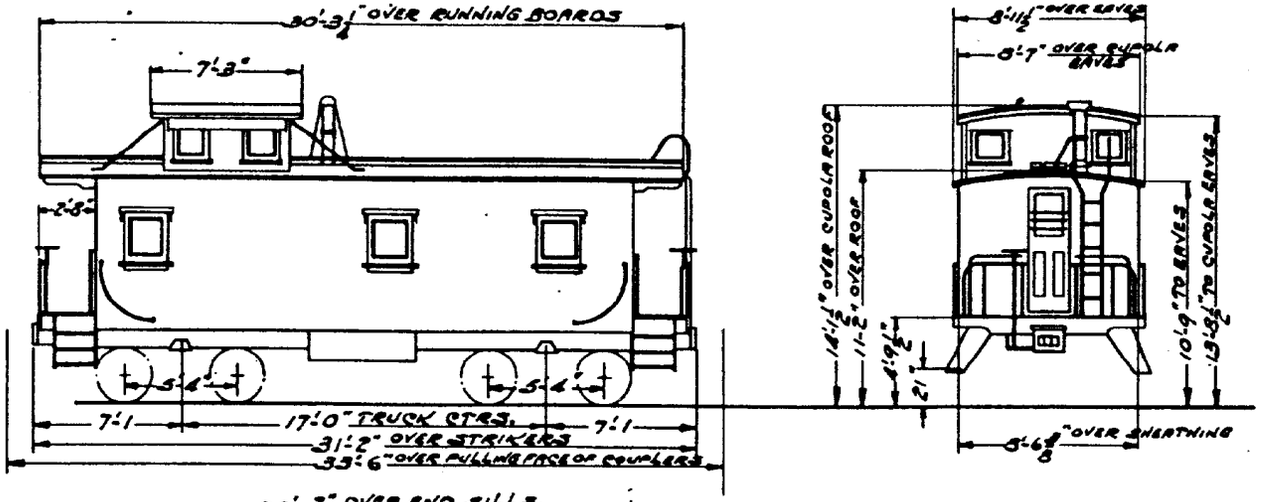
N.K.P.

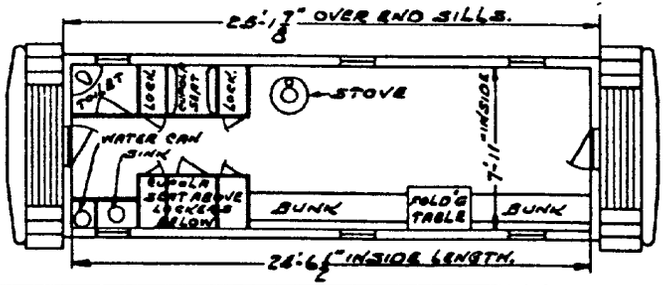
ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO 7-3-42

REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
4	JGB		1	5

NOTE:-1
BUILT BY H.V.R.R. IN 1907 & NUMBERED 395.
PURCHASED BY C&O RY. AND RENUMBERED 90393.
PURCHASED BY NKP JUNE 1941 & RENUMBERED 1251.





GENERAL DATA

BUILT BY - SEE NOTE:-1
YEAR BUILT - SEE NOTE:-1
CAPACITY LEVEL FULL—CU. FT.
CAPACITY WITH 10 IN. HEAP CU. FT.
AVERAGE LOAD LIMIT—LBS.
AVERAGE LIGHT WEIGHT—LBS. - 32300
BUILDERS REFERENCE
R. P. SPEC. NO.

CAR BODY DATA

AIR BRAKE MFG. - NYAB Co.
AIR BRAKE SCHEDULE - 8" COMBINED
BODY BOLSTER
BODY CENTER PLATE
BODY SIDE BEARING
CARLINES

CENTER SILL - 2-9" 25# CHANNELS
CENTER SILL AREA - 19.39 SQ. IN.
CENTER SILL COVER PLATE - 1/4" X 18 3/4"
COUPLER - 8"x7" SHANK 9 1/8" ADJ.
COUPLER RELEASE RIGGING - TOP LIFT
DOOR
DOOR FIXTURES
DOOR CLEAR OPENING
DRAFT GEAR - MINER TANDEM CLASS "B" SPRING
DRAFT GEAR ATTACHMENT
ENDS
END LOAD RATIO
FLOORING - 2 COURSES - 1 1/4" OAK OVER 2" BOARDS
GENERAL DRAWING OF CAR—NO.
HAND BRAKE
LINING END
LINING SIDE
ROOF

SIDE BEARING CENTERS - 4'-2"
SHEATHING - WOOD
SUPERSTRUCTURE - WOOD
UNDERFRAME - STEEL CTR. SILLS & CROSSBEARERS

TRUCK DATA

BOLSTER
BRAKE BEAM
BRAKE BEAM SAFETY
CENTER PLATE
GENERAL DRAWING OF TRUCK NO.
JOURNAL - 4 1/4" X 8"
SIDE BEARING
SIDE FRAME - ANDREWS
SPRING - ELLIPTIC
WHEELS - 33" DIA. CAST IRON.
WEIGHT OF ONE TRUCK

MISCELLANEOUS

CLASS	CARS
	1251

CABOOSE

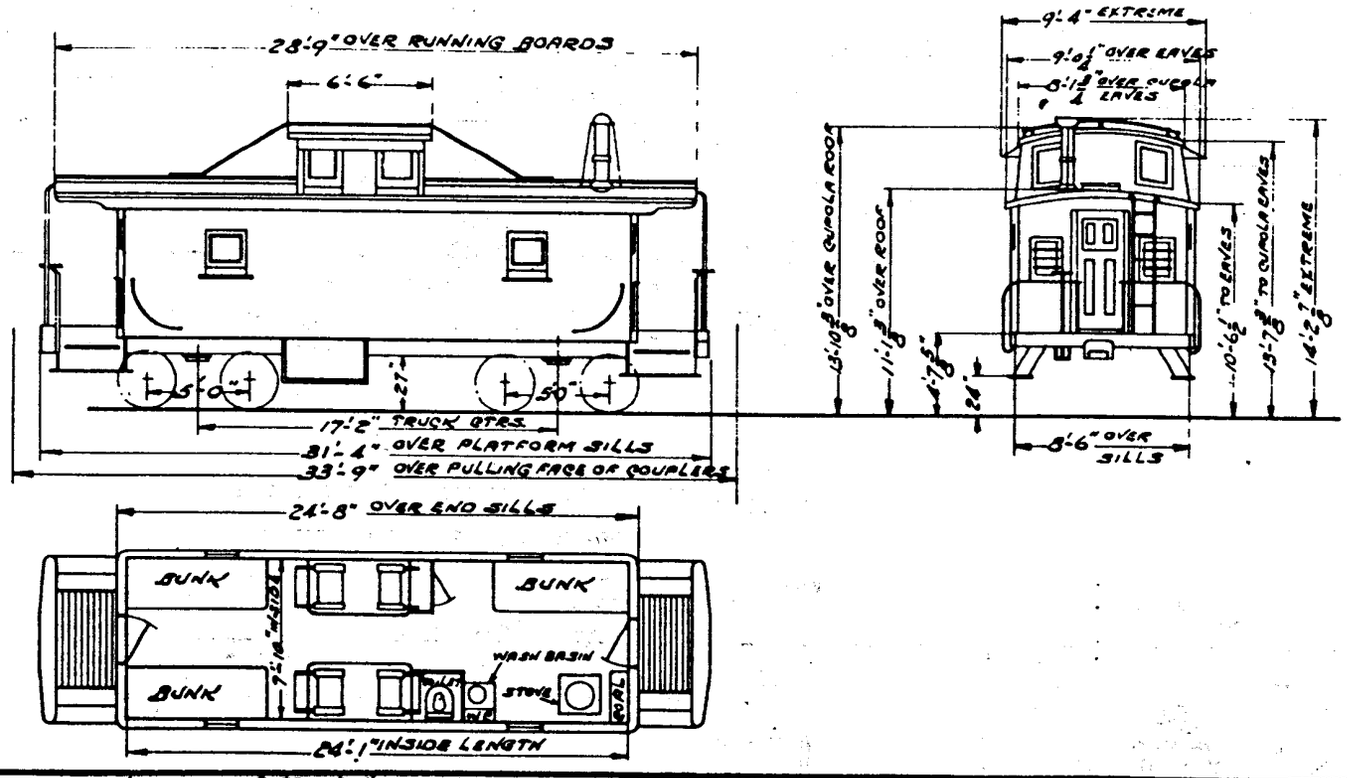
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO 7-3-42

REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
	J 63		1	6

NOTE:-1
THESE CARS PURCHASED FROM C&O RY JUNE 1941.
BUILT 1916, 1917, 1919, 1920, 1921.



GENERAL DATA			MISCELLANEOUS
BUILT BY	CENTER SILL - 2-9" 11.25# CHANNELS	SIDE BEARING CENTERS - 4'-0"	
YEAR BUILT SEE NOTE:-1	CENTER SILL AREA - 15.39 SQ. IN.	SHEATHING - WOOD	
CAPACITY LEVEL FULL—CU. FT.	CENTER SILL COVER PLATE - 1/4" X 17 3/8"	SUPERSTRUCTURE - WOOD	
CAPACITY WITH 10 IN. HEAP CU. FT.	COUPLER - AAR TYPE "D"	UNDERFRAME - WOOD & STEEL	
AVERAGE LOAD LIMIT—LBS.	COUPLER RELEASE RIGGING - TOP LIFT		
AVERAGE LIGHT WEIGHT—LBS. - 33460	DOOR	**TRUCK DATA**	
BUILDERS REFERENCE	DOOR FIXTURES	BOLSTER - PRESSED STEEL	
R. R. SPEC. NO	DOOR CLEAR OPENING	BRAKE BEAM - NO. E	
	DRAFT GEAR - FARLOW TWIN SPRING	BRAKE BEAM SAFETY - 2 1/2" X 2 1/2" X 3/8" ANGLE	
	DRAFT GEAR ATTACHMENT - FARLOW & KEY	CENTER PLATE - MALL. IRON	
CAR BODY DATA	ENDS	GENERAL DRAWING OF TRUCK NO. - C&O DWG. 6727	
AIR BRAKE MFG. - WAB Co.	END LOAD RATIO	JOURNAL - 4 1/4" X 8"	
AIR BRAKE SCHEDULE - KD 812	FLOORING - 2 COURSES - 13/16" X 1"	SIDE BEARING - FRICTION	
BODY BOLSTER - BUILT UP STEEL	GENERAL DRAWING OF CAR—NO.	SIDE FRAME - ARCH BAR	
BODY CENTER PLATE - CAST STEEL	HAND BRAKE - AAR WHEEL & SHAFT	SPRING - ELLIPTIC	
BODY SIDE BEARING - CAST IRON	LINING END - 13/16" T&G	WHEELS - 33" DIA. C.I.	
CARLINES - WOOD	LINING SIDE - 13/16" T&G	WEIGHT OF ONE TRUCK - 5627 LBS.	
	ROOF - WOOD		

CLASS	CARS
CABOOSE	1252 - 1276

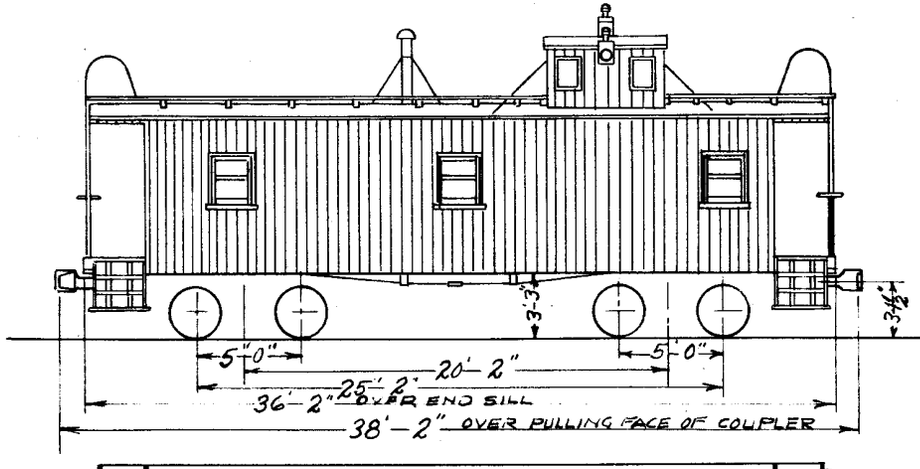
N.K.P.

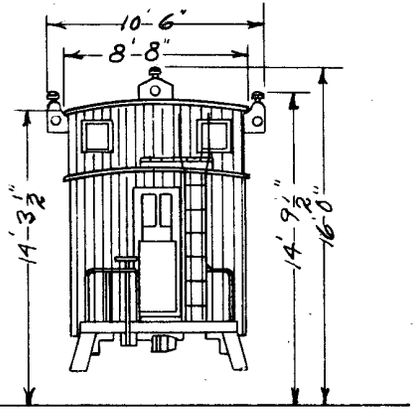
ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO

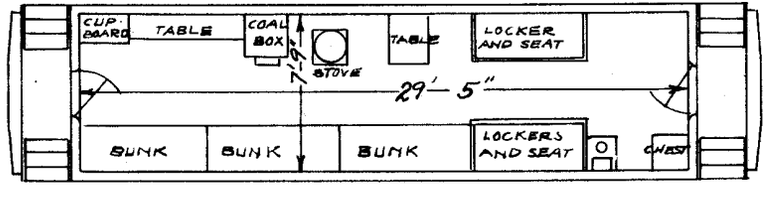
REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
			1	7

BUILT	BUILDER	CARS
1888	LAFAYETTE WKS	255-272
1889 TO 1891	MICHIGAN CAR CO.	273-288
		290-292







GENERAL DATA			
BUILT BY SEE TABLE	CENTER SILL WOOD	SIDE BEARING CENTERS	MISCELLANEOUS
YEAR BUILT SEE TABLE	CENTER SILL AREA	SHEATHING	
CAPACITY LEVEL FULL CU. FT	CENTER SILL COVER PLATE	SUPERSTRUCTURE WOOD	
CAPACITY WITH 10 IN HEAP CU. FT.	COUPLER	UNDERFRAME WOOD	
AVERAGE LOAD LIMIT LBS.	COUPLER RELEASE RIGGING		
AVERAGE LIGHT WEIGHT LBS.	DOOR	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES	BOLSTER	
R R SPEC. NO	DOOR CLEAR OPENING	BRAKE BEAM	
	DRAFT GEAR	BRAKE BEAM SAFETY	
	DRAFT GEAR ATTACHMENT 14597-F	CENTER PLATE	
	ENDS	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO	JOURNAL 4¼" x 8"	
AIR BRAKE MFG	FLOORING	SIDE BEARING	
AIR BRAKE SCHEDULE	GENERAL DRAWING OF CAR NO	SIDE FRAME ARCH BAR	
BODY BOLSTER	HAND BRAKE WHEEL AND SHAFT	SPRING	
BODY CENTER PLATE	LINING END	WHEELS 36" DIA	
BODY SIDE BEARING	LINING SIDE	WEIGHT OF ONE TRUCK	
CARLINES	ROOF WOOD		

255-288	
290-292	
CLASS	CARS

CABOOSE

N.K.P.

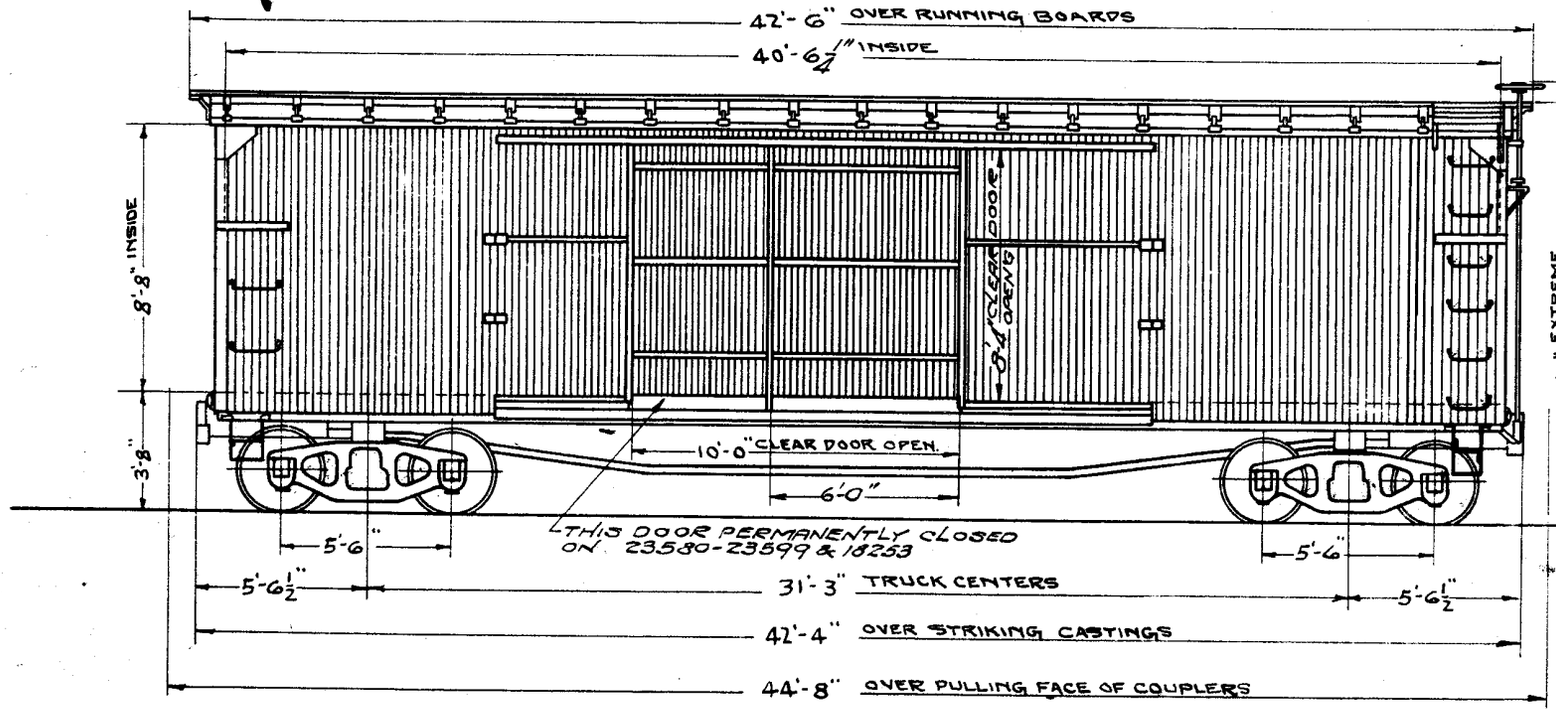
ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JULY 5 1934

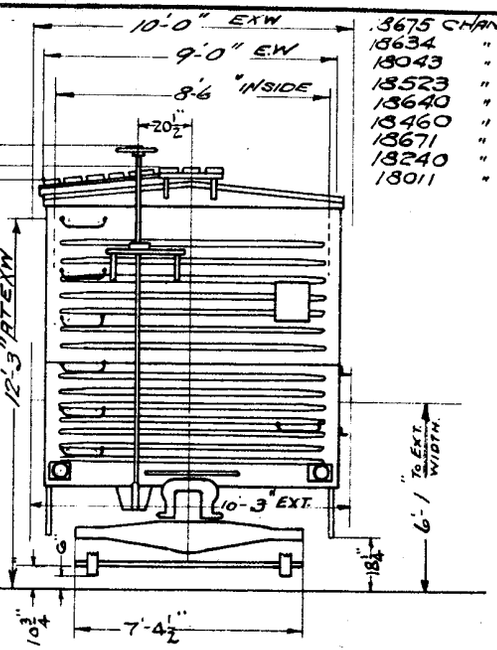
REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
LHM	LHM	AM	8	5

GROUP NO. 2
40-TON AUTO BOX CARS

NOTE:- 1 CAR 18253 HAS AUXILIARY DOORS CLOSED AND VENEER FLOOR.
INSIDE HEIGHT 8'-7 3/16", HEIGHT FROM RAIL TO TOP OF FLOOR 3'-8 13/16".
DOOR CLEAR OPENING 6'-0" X 8'-3 3/16", CUBIC CAPACITY 2962 CU.FT.





18675 CHANGED TO	23580
18634 "	" 23582
18043 "	" 23583
18523 "	" 23584
18640 "	" 23586
18460 "	" 23587
18671 "	" 23588
18240 "	" 23589
18011 "	" 23590

CARS FROM THIS SERIES CHANGED TO 11000-11299 & 21000-21299.
CAR 23581 CHGD. FROM 86640 & 23585 CHGD. FROM 86540.

GENERAL DATA			
BUILT BY - WESTERN STEEL CAR & FOUNDRY CO.	CENTER SILL - SHAPES & PLATES	SIDE BEARING CENTERS 5'-0"	MISCELLANEOUS
YEAR BUILT - 1917	CENTER SILL AREA - 25.88 SQ.IN.	SHEATHING 13/16" WOOD T & G.	
CAPACITY LEVEL FULL CU. FT. - 2983	CENTER SILL COVER PLATE 1/4" X 21"	SUPERSTRUCTURE - WOOD	
CAPACITY - 80000 LBS.	COUPLER - A.R.A TYPE "D" 5 X 7	UNDERFRAME - STEEL	
AVERAGE LOAD LIMIT LBS. - 91900	COUPLER RELEASE RIGGING - IMPERIAL		
AVERAGE LIGHT WEIGHT LBS. - 44100	DOOR - WOOD	TRUCK DATA	
BUILDERS REFERENCE - LOT 101	DOOR FIXTURES - CAMEL	BOLSTER - CAST STEEL PATT. A911	
R. R. SPEC. NO.	DOOR CLEAR OPENING 10'-0" W. 8'-4" H.	BRAKE BEAM - No. 2	
	DRAFT GEAR - MINER TANDEM	BRAKE BEAM SAFETY - 2" X 2" X 3/8" ANGLE	
	DRAFT GEAR ATTACHMENT - CAST STEEL YOKE	CENTER PLATE - CAST INTEGRAL	
	ENDS - MURPHY CORR. STEEL	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO - .049	JOURNAL 6X9	
AIR BRAKE MFG. - N.Y.A.B.Co.	FLOORING 13/4" TONGUE & GROOVE	SIDE BEARING - STEEL PLATE	
AIR BRAKE SCHEDULE - KC 1012	GENERAL DRAWING OF CAR NO 139-11-147	SIDE FRAME - CAST STEEL PATT. A986	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - WHEEL & SHAFT - PLAIN	SPRING - ARA STD. TYPE-C	
BODY CENTER PLATE - CAST STEEL - PATT. A646	LINING END - 13/4" T.&G.	WHEELS - 33" DIA. CAST IRON	
BODY SIDE BEARING - WOODS TIP ROLLER	LINING SIDE 13/16" T.&G.	WEIGHT OF ONE TRUCK	
CARLINES - PRESSED STEEL	ROOF CHICAGO - CLEVE. - OUTSIDE METAL	CENTER PLATE HEIGHT - [illegible]	

EQUIPPED FOR HANDLING CHRYSLER AUTO PARTS: SEE NOTE:- 1	23580-23599
CLASS	18000-18799 CARS

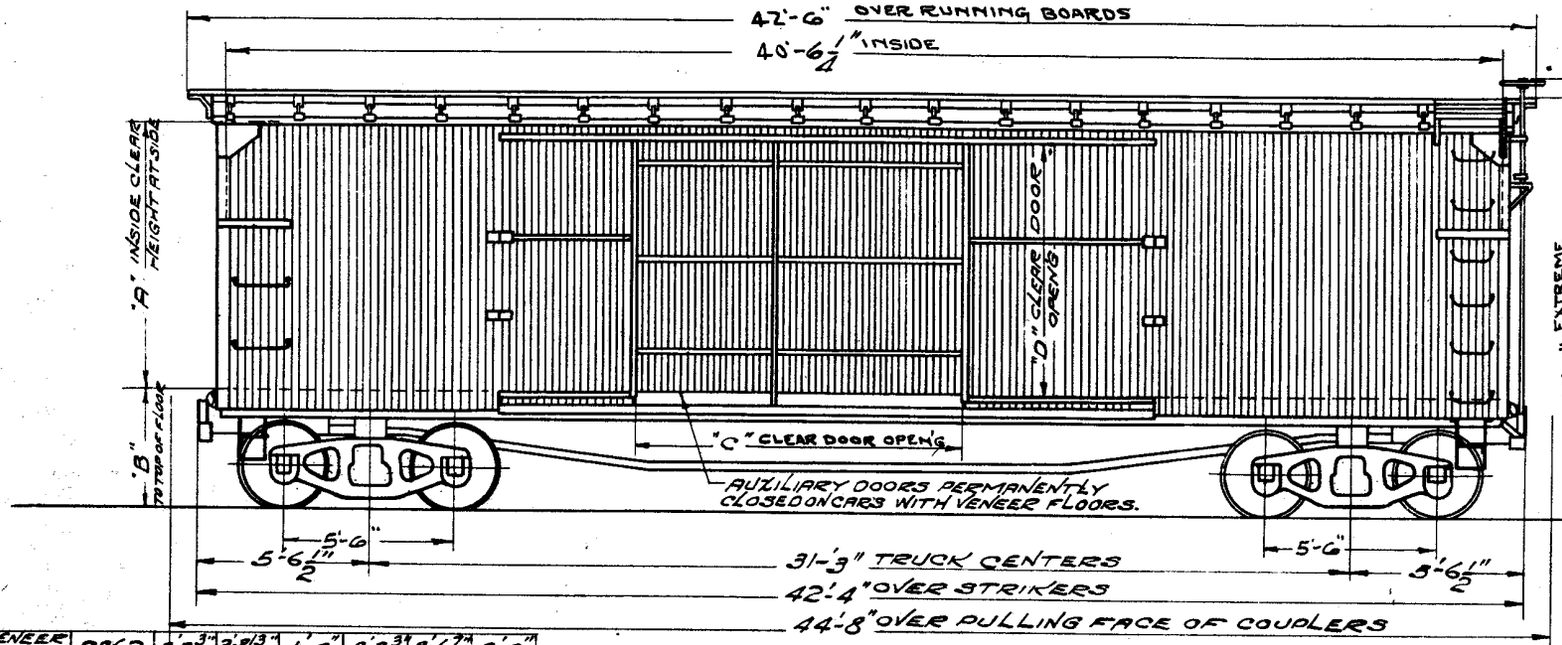
40 TON AUTO BOX

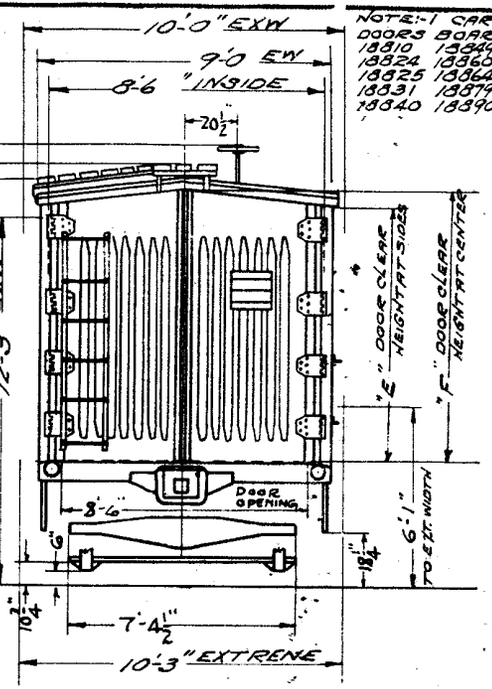
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO MAY. 1. 1933

B	C	O	REVISIONS
CJT.	CJT.		2

DR	TR	CH	GROUP NO.	SHEET NO.
CJT.	CJT.		2	1





NOTE:-1 CARS WITH END DOORS BOARDED UP
18810 18849 18914 18973
18824 18860 18936 18979
18825 18864 18940 18982
18831 18879 18951
18840 18890 18961

WITH VENEER FLOORING	2962	8'-7 3/16"	3'-8 13/16"	6'-0"	8'-3 3/16"	8'-6 7/16"	9'-0"
WITHOUT VENEER FLOORING	2985	8'-8"	3'-8"	10'-0"	8'-4"	8'-7 1/4"	9'-0 13/16"
CARS	CUBIC CAPY.	A.	B.	C.	D.	E.	F.

NOTE:-2
CARS WITH VENEER FLOORS AND AUXILIARY DOORS BOLTED SHUT. 18809, 18847, 18872, 18898, 18950, 18951 CAR 18810 HAD DOORS BOLTED SHUT BUT NO VENEER FLOOR APPLIED.

GENERAL DATA			
BUILT BY - WESTERN STEEL CAR & FDY. CO.	CENTER SILL - PLATES & SHAPES	SIDE BEARING CENTERS 5'-0"	MISCELLANEOUS
YEAR BUILT - 1917	CENTER SILL AREA - 25.88 SQ. IN.	SHEATHING 13/16" WOOD T. & G.	
CAPACITY LEVEL FULL CU. FT. SEE TABLE	CENTER SILL COVER PLATE 1/4" X 21"	SUPERSTRUCTURE - WOOD	
CAPACITY - 80000 LBS.	COUPLER - ARA TYPE D 5X7	UNDERFRAME - STEEL	
AVERAGE LOAD LIMIT LBS. 91900	COUPLER RELEASE RIGGING - IMPERIAL		
AVERAGE LIGHT WEIGHT LBS. 44100	DOOR - WOOD	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES - CAMEL	BOLSTER - CAST STEEL - PATT. A-911	
R. R. SPEC. NO. L-105	DOOR CLEAR OPENING - SEE TABLE	BRAKE BEAM - No. 2	
	DRAFT GEAR - MINER TANDEM	BRAKE BEAM SAFETY - 2" X 2" X 3/8" ANGLE	
	DRAFT GEAR ATTACHMENT - CAST STEEL YOKE	CENTER PLATE - CAST INTEGRAL	
CAR BODY DATA	ENDS - MURPHY RIGID ONE END - MUR. DOOR OTHER	GENERAL DRAWING OF TRUCK NO.	
AIR BRAKE MFG. N.Y.A.B. CO.	END LOAD RATIO .049	JOURNAL 5X9	
AIR BRAKE SCHEDULE KC 1012	FLOORING 1 3/4" TONGUE AND GROOVE	SIDE BEARING - STEEL PLATE	
BODY BOLSTER - BUILT UP STEEL	GENERAL DRAWING OF CAR NO. 139-11-147	SIDE FRAME - CAST STEEL PATT. A 985	
BODY CENTER PLATE - CAST STEEL PATT. A 646	HAND BRAKE - WHEEL AND SHAFT - PLAIN	SPRING - ARA STD. TYPE C	
BODY SIDE BEARING - WOODS TIP ROLLER	LINING END - 1 3/4" T. & G.	WHEELS - 33" DIA. CAST IRON	
CARLINES - PRESSED STEEL	LINING SIDE - 13/16" T. & G.	WEIGHT OF ONE TRUCK	
	ROOF - CHICAGO - CLEVE. OUTSIDE METAL	CENTER PLATE HEIGHT - 2'-2"	

SEE NOTE:- 1
SEE NOTE:- 2

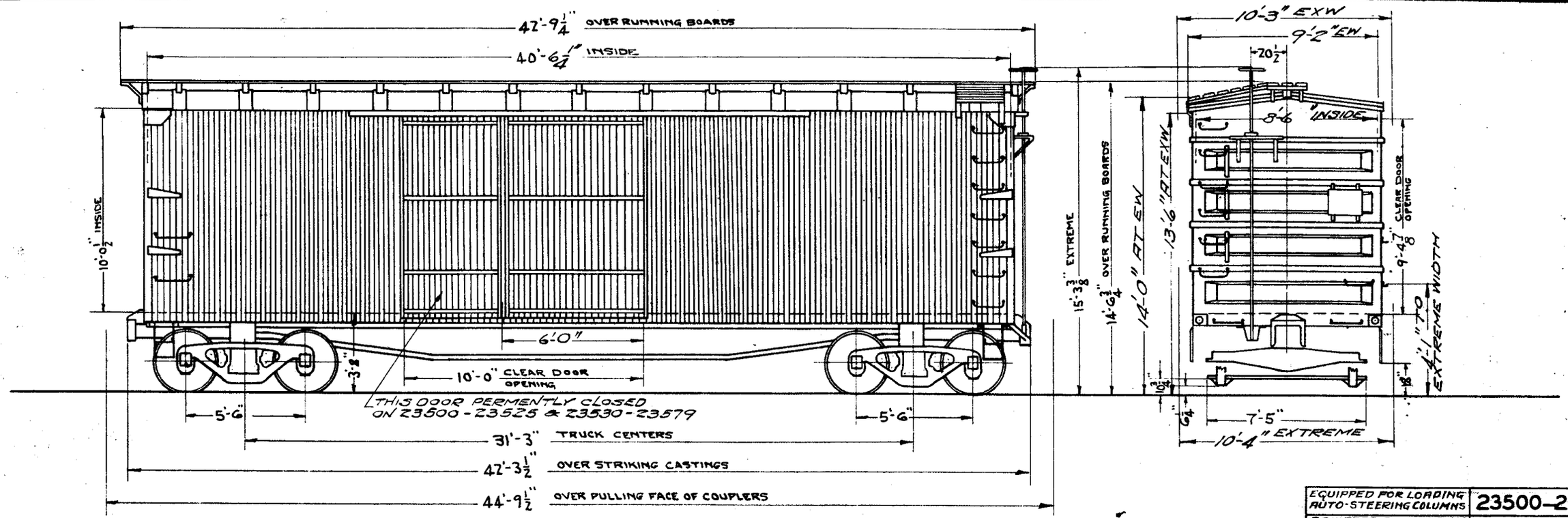
CLASS: 18800-18999
CARS

40 TON AUTO BOX

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO MAY. 3. 1933

REVISIONS					
5-10-33	1-13-36	1-13-38			
DR	TR	CH	GROUP NO.	SHEET NO.	
C.J.T.	C.J.T.	J.W.	2	2	



EQUIPPED FOR LOADING AUTO-STEERING COLUMNS	23500–23525
EQUIPPED FOR LOADING AUTO. MISC. PARTS	23530–23579
	19000-19999
CLASS	CARS

40 TON AUTO BOX

N.K.P.

ADVISORY MECHANICAL COMMITTEE

CLEVELAND, OHIO — MAR. 10. 1933

GENERAL DATA

BUILT BY	ILL. CAR & MFG. CO.
YEAR BUILT	1973
CAPACITY LEVEL FULL CU. FT.	34.59
CAPACITY	80000 LBS.
AVERAGE LOAD LIMIT LBS.	80500
AVERAGE LIGHT WEIGHT LBS.	45500
BUILDERS REFERENCE	LOT 110
R. R. SPEC. NO.	

CAR BODY DATA

AIR BRAKE MFG.	M.V.A.B. CO.
AIR BRAKE SCHEDULE	KC 1012
BODY BOLSTER	BUILT UP STEEL
BODY CENTER PLATE	CAST STEEL - PATT. A-946
BODY SIDE BEARING	WOODS TIP ROLLER
CARLINES	PRESSED STEEL
CENTER SILL	BUILT UP SHAPES & PLATES
CENTER SILL AREA	75.88 SQ. IN.
CENTER SILL COVER PLATE	1/4" X 21"
COUPLER	ARA TYPE "D" 6"x8"
COUPLER RELEASE RIGGING	IMPERIAL TYPE "B"
DOOR	WOOD
DOOR FIXTURES	CAMEL No. 32
DOOR CLEAR OPENING	10'-0" WIDE 9'-4 7/8" HIGH
DRAFT GEAR	SEE NOTE-2
DRAFT GEAR ATTACHMENT	FARLOW 2-KEY
ENDS	HUTCHINS - ALL STEEL
END LOAD RATIO	.049
FLOORING	1 3/4" YELLOW PINE T. & G.
GENERAL DRAWING OF CAR NO.	139-11-172
HAND BRAKE	WHEEL & SHAFT
LINING END	1 3/4" T. & G.
LINING SIDE	13/16" T. & G.
ROOF	SEE NOTE-1
SIDE BEARING CENTERS	5'-0"
SHEATHING	13/16" WOOD
SUPERSTRUCTURE	WOOD
UNDERFRAME	BUILT UP STEEL

TRUCK DATA

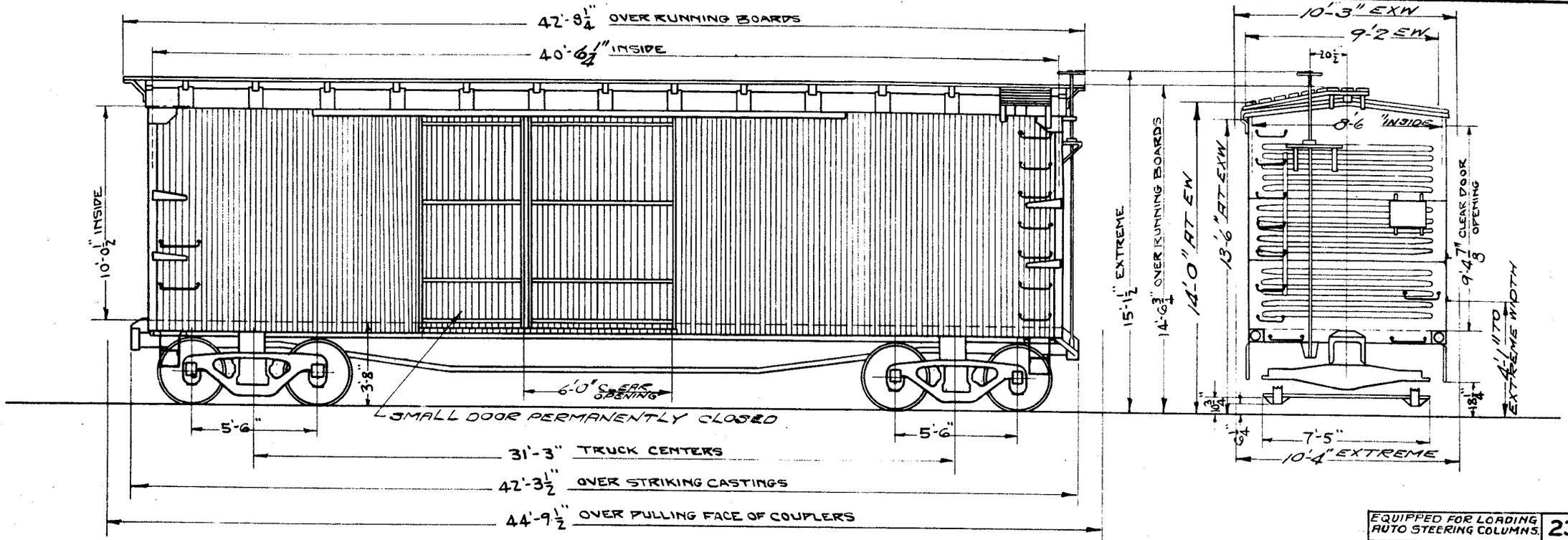
BOLSTER	CAST STEEL - PATT. A-911
BRAKE BEAM	DAMASCUS No. 2
BRAKE BEAM SAFETY	2" x 2" X 3/8" ANGLE
CENTER PLATE	CAST INTEGRAL
GENERAL DRAWING OF TRUCK NO.	
JOURNAL	5" x 9"
SIDE BEARING	WOODS PLATE
SIDE FRAME	CAST STEEL - INT. BOX.
SPRING	ARA TYPE-C
WHEELS	33" DIA. CAST IRON
WEIGHT OF ONE TRUCK	7200
CENTER PLATE HEIGHT	2'-1 7/8"

MISCELLANEOUS

NOTE 1: CARS 19000-19899 HAVE HUTCHINS ALL STEEL ROOF 16 GAUGE. CARS 19900-19999 HAVE MURPHY ALL STEEL ROOF 13 GAUGE.

NOTE-2: CARS 19000-19799 HAVE MINER FRICTION A-18-5. CARS 19800-19899 HAVE BRADFORD ROCKER TYPE. CARS 19900-19999 HAVE NATIONAL M4-A TYPE

REVISIONS						
1-18-39						
DR	TR	CH	GROUP No.	SHEET No.		
C. J. T.	C. J. T.		2	3		



GENERAL DATA	
BUILT BY	ILL. CAR & MFG. CO.
YEAR BUILT	1924
CAPACITY LEVEL FULL CU. FT.	5459
CAPACITY	80000 LBS.
AVERAGE LOAD LIMIT LBS.	89900
AVERAGE LIGHT WEIGHT LBS.	46100
BUILDERS REFERENCE	LOT 115
R. R. SPEC. NO.	382

CAR BODY DATA	
AIR BRAKE MFG.	N.Y.A.B. CO.
AIR BRAKE SCHEDULE	KC 1012
BODY BOLSTER	BUILT UP STEEL
BODY CENTER PLATE	CAST STEEL - PATT. A-646
BODY SIDE BEARING	WOODS - TIP ROLLER
CARLINES	PRESSED STEEL
CENTER SILL	BUILT UP SHAPES AND PLATES
CENTER SILL AREA	28.22 SQ. IN.
CENTER SILL COVER PLATE	1/4" X 21"
COUPLER	ARA - TYPE "D" 6" X 8"
COUPLER RELEASE RIGGING	IMPERIAL TYPE "B"
DOOR	WOOD
DOOR FIXTURES	CAMEL - 32
DOOR CLEAR OPENING	10'-0" WIDE 9'-4 7/8" HIGH
DRAFT GEAR	SEE NOTE-1
DRAFT GEAR ATTACHMENT	FARLOW - 2 - KEY
ENDS	MURPHY
END LOAD RATIO	.044
FLOORING	1 3/4" YELLOW PINE T. & G.
GENERAL DRAWING OF CAR NO.	139-11-177
HAND BRAKE	WHEEL & SHAFT
LINING END	1 3/4" T. & G.
LINING SIDE	13/16" - T. & G.
ROOF	HUTCHINS
SIDE BEARING CENTERS	5'-0"
SHEATHING	13/16" WOOD
SUPERSTRUCTURE	WOOD
UNDERFRAME	BUILT UP STEEL

TRUCK DATA	
BOLSTER	CAST STEEL - PATT. A-911
BRAKE BEAM	ARA No. 2 DAMASCUS
BRAKE BEAM SAFETY	CRECO 4 POINT
CENTER PLATE	CAST INTEGRAL
GENERAL DRAWING OF TRUCK NO.	
JOURNAL	5" X 9"
SIDE BEARING	WOODS PLATE
SIDE FRAME	CAST STEEL - PATT.
SPRING	ARA TYPE-C
WHEELS	33" DIA. CAST IRON
WEIGHT OF ONE TRUCK	7200
CENTER PLATE HEIGHT	2'-1 7/8"

MISCELLANEOUS
NOTE-1: CARS 20000 - 20899 HAVE MINER A-18-S-2 - CARS 20900 - 20999 HAVE BRADFORD ROCKER TYPE R-50

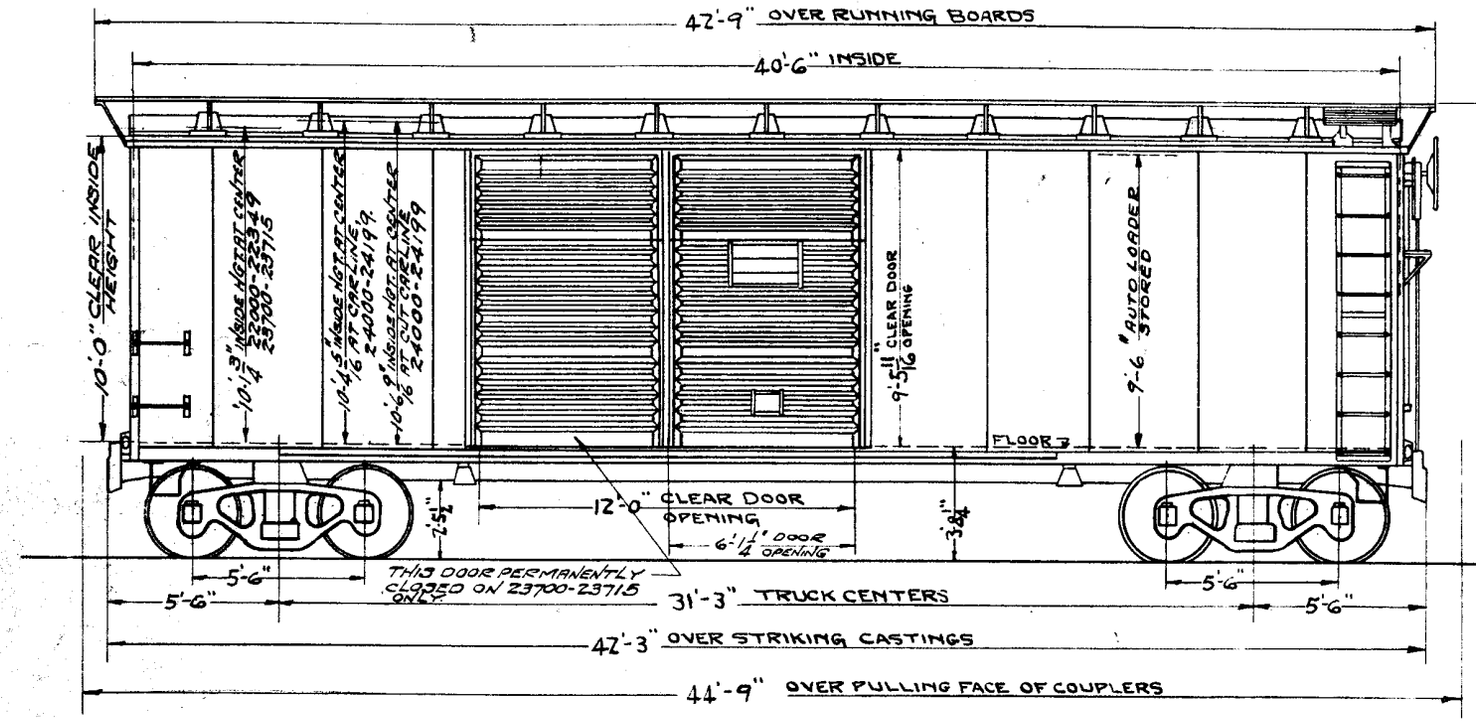
EQUIPPED FOR LOADING AUTO STEERING COLUMNS.	23500–23525
EQUIPPED FOR LOADING AUTO - MISC. PARTS	23530–23579
	~~20000-20899~~
CLASS	CARS

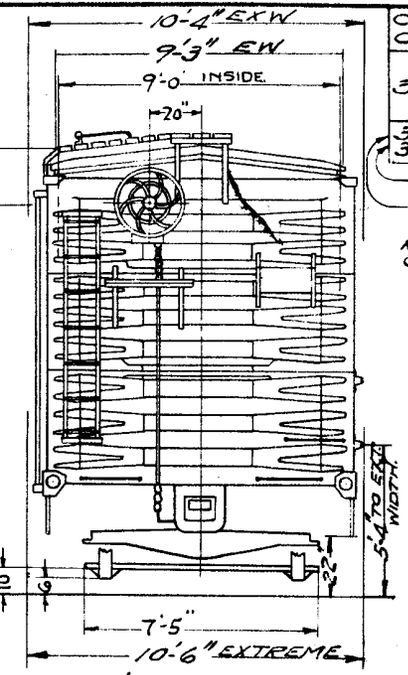
40 TON AUTO BOX

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND OHIO MAR. 31. 1933.

REVISIONS					
7/B, C, D					
12/15/37	201-18				
12/20/34	37	39			
DR	TR	CH	GROUP NO.	SHEET NO.	
C.J.T.	C.J.T.		2	4	





EVANS AUTO LOADER
24000-24199 TYPE "D"

CUBIC CAPY	LIGHT WEIGHT	LOAD LIMIT	CARS
3645	49900	86100	22000-22349
			23700-23715
3463	53400	85600	24000-24199
3645			

IN POSITION
STORED

NOTE:-4
CARS WITH WAUGH GOULD DRAFT GEARS.

24008	24082	24125
24009	24084	24127
24014	24086	24132
24015	24087	24146
24017	24089	24151
24025	24090	24157
24033	24091	24160
24036	24093	24169
24057	24095	24172
24061	24097	24175
24066	24102	24177
24068	24112	24180
24073	24118	24183
24081	24124	24191
		24197
		24198

GENERAL DATA	
BUILT BY	STD. STEEL CAR CO. HAMMOND, IND.
YEAR BUILT	1929
CAPACITY LEVEL FULL CU. FT	SEE TABLE
CAPACITY	80000 LBS.
AVERAGE LOAD LIMIT LBS	SEE TABLE
AVERAGE LIGHT WEIGHT LBS.	SEE TABLE
BUILDERS REFERENCE	LOT NO. 118
R. R. SPEC. NO.	NKP 399

CAR BODY DATA	
AIR BRAKE MFG.	N.Y.A.B. CO.
AIR BRAKE SCHEDULE	K.C. 1012
BODY BOLSTER	BUILT UP STEEL
BODY CENTER PLATE	FORGED STEEL
BODY SIDE BEARING	HARDENED STEEL PLATE
CARLINES	PRESSED STEEL
CENTER SILL	2-ARA STD. 12" SECTIONS 40.3#
CENTER SILL AREA	28.44 SQ. IN.
CENTER SILL COVER PLATE	1/4" X 20"
COUPLER	ARA TYPED G" X 8"
COUPLER RELEASE RIGGING	IMPERIAL TYPE B Top oper.
DOOR	YOUNGSTOWN STEEL
DOOR FIXTURES	CAMEL #50
DOOR CLEAR OPENING	12'-0" WIDE - 9'-5 11/16" HIGH
DRAFT GEAR	CARDWELL FRICTION SEE NOTE:-4
DRAFT GEAR ATTACHMENT	SEE NOTE-1
ENDS	RIGID STEEL - DREADNAUGHT
END LOAD RATIO	.043
FLOORING	1 3/4" YELLOW PINE T. & G.
GENERAL DRAWING OF CAR NO	139-11-169
HAND BRAKE	SEE NOTE-2
LINING END	13/16" T&G.
LINING SIDE	13/16" T&G. - 1 3/4 S.L. FULL HEIGHT
ROOF	MURPHY STEEL
SIDE BEARING CENTERS	4'-2"
SHEATHING	1/8" STEEL
SUPERSTRUCTURE	STEEL
UNDERFRAME	STEEL

TRUCK DATA	
BOLSTER	CAST STEEL
BRAKE BEAM	ARA No 2+
BRAKE BEAM SAFETY	CRECO 4 POINT
CENTER PLATE	CAST INTEGRAL
GENERAL DRAWING OF TRUCK NO.	
JOURNAL	5" X 9"
SIDE BEARING	ROLLER TYPE WOODS
SIDE FRAME	CAST STEEL - INT. BOX
SPRING	ARA TYPE D
WHEELS	CAST IRON SINGLE PLATE 33" DIA.
WEIGHT OF ONE TRUCK	
CENTER PLATE HEIGHT	2'-2 3/4"

MISCELLANEOUS

NOTE-3. CARS 24000-24199 RENUMBERED FROM 22000-22349 SERIES AND HAVE EVANS AUTO LOADER - 75 CARS 1933, 50 CARS 1935. 75 CARS 1936

NOTE:-1, CARS 22000-22249 HAVE C.S. YOKES. CARS 22250-22349 HAVE FARLOW 2 KEY.

NOTE:-2 CARS 22000-22249 HAVE PEACOCK HAND BRAKE. CARS 22250-22349 HAVE URECO HAND BRAKE.

EQUIPPED FOR HANDLING CHRYSLER TRANSMISSIONS	23700-23715
CONVERTED FROM 22000-22349	24000-24199
	22000-22349
CLASS	CARS

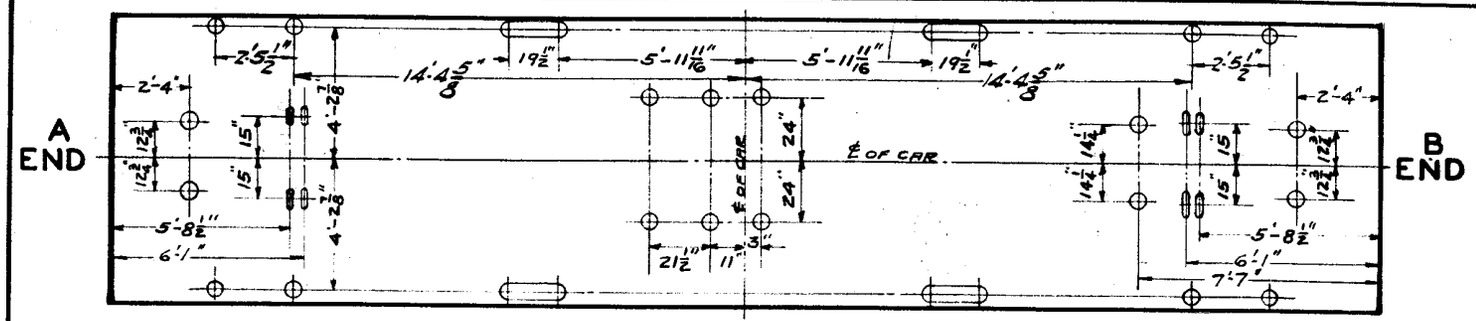
40 TON AUTO BOX

N.K.P.

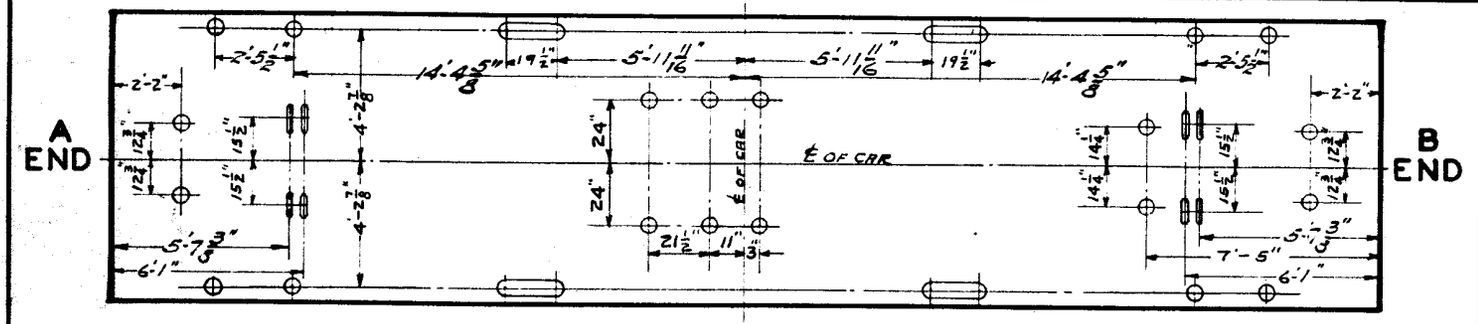
ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO MAR. 7. 1933

REVISIONS				
A 12/15/36	B 1/20/37	C 6-1-39		
DR	TR	CH	GROUP NO.	SHEET NO.
C.J.T.	C.J.T.		2	5

N.K.P. CARS WITH EVANS AUTO LOADER



TYPE-E

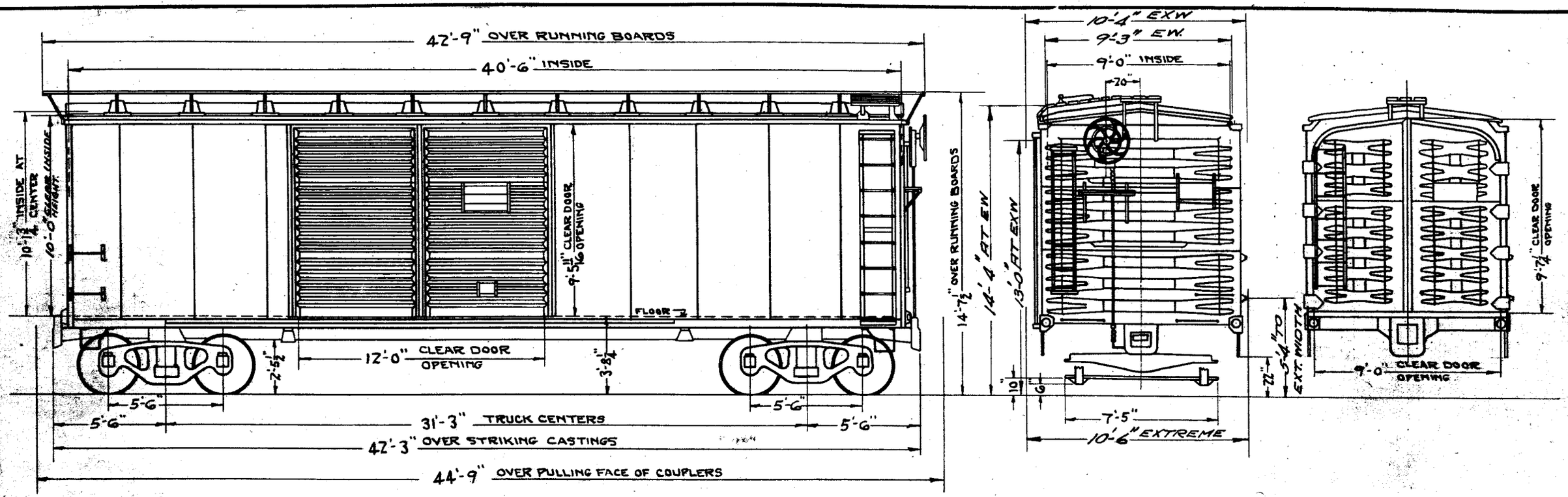


TYPE- E

CAR NOS.	NO OF CARS	TYPE	FLOOR CONN.		FRAME	
			NO OF TUPES	NO OF SOCKETS	ARCHED OR FLAT AT FRONT	REAR HUB ADJUSTMENT
24000-24124	124	E	12	8-SINGLE 4-MULTI	ARCHED	YES
24125-24199	74	E	12	8-SINGLE 4-MULTI	ARCHED	YES

REV.	11-20-37	5-16-40	7-16-40

GROUP-2 SHEET-5A



GENERAL DATA		
BUILT BY STD. STEEL CAR CO. HAMMOND, IND.		
YEAR BUILT - 1929		
CAPACITY LEVEL FULL—CU. FT. 3645		
CAPACITY 80000 LBS.		
AVERAGE LOAD LIMIT—LBS. 84000		
AVERAGE LIGHT WEIGHT—LBS. 52000 LBS.		
BUILDERS REFERENCE LOT No. 118		
R. R. SPEC. NO. N.K.P. 399		
CAR BODY DATA		
AIR BRAKE MFG. N.Y.A.B. CO.		
AIR BRAKE SCHEDULE K C 1012		
BODY BOLSTER BUILT UP STEEL		
BODY CENTER PLATE FORGED STEEL		
BODY SIDE BEARING HARDENED STEEL PLATE		
CARLINES PRESSED STEEL		

CENTER SILL	2-ARA STD. 12" SECTIONS 40.3#
CENTER SILL AREA	- 28.44 SQ. IN.
CENTER SILL COVER PLATE	1/4 X 20"
COUPLER	ARA TYPE "D" 6"x8"
COUPLER RELEASE RIGGING	SEE NOTE-1
DOOR	YOUNGSTOWN STEEL
DOOR FIXTURES	CAMEL No. 50
DOOR CLEAR OPENING	SEE NOTE 2
DRAFT GEAR	WAUGH #402 FRICTION
DRAFT GEAR ATTACHMENT	FARLOW 2 KEY
ENDS	DREADNAUGHT ONE END ONLY
END LOAD RATIO	.043
FLOORING	1 3/4" YELLOW PINE T. & G.
GENERAL DRAWING OF CAR—NO.	139-11-169
HAND BRAKE	URECO
LINING END	13/16" TONGUE & GROOVE
LINING SIDE	- 13/16" T & G. AND 1 3/4" S.L.
ROOF	- MURPHY STEEL

SIDE BEARING CENTERS	4'-2"
SHEATHING	1/8" C.B. STEEL
SUPERSTRUCTURE	STEEL
UNDERFRAME	STEEL
TRUCK DATA	
BOLSTER	CAST STEEL
BRAKE BEAM	ARA No. 2+
BRAKE BEAM SAFETY	CRECO 4 POINT
CENTER PLATE	CAST INTEGRAL
GENERAL DRAWING OF TRUCK NO.	
JOURNAL	5" X 9"
SIDE BEARING	ROLLER TYPE - WOODS
SIDE FRAME	CAST STEEL - INT. BOX
SPRING	A.R.A. TYPE-D
WHEELS	CAST IRON - SINGLE PLATE 33" DIA.
WEIGHT OF ONE TRUCK	

MISCELLANEOUS

NOTE-1: ROTARY OPERATING ON DOOR END
IMPERIAL TYPE B TOP OPERATING ON RIGID END
NOTE 2: SIDE DOOR 12'-0" WIDE, 9'-5 11/16" HIGH
END DOOR 9'-0" WIDE, 9'-7 1/4" HIGH

22350-22499

CLASS | CARS

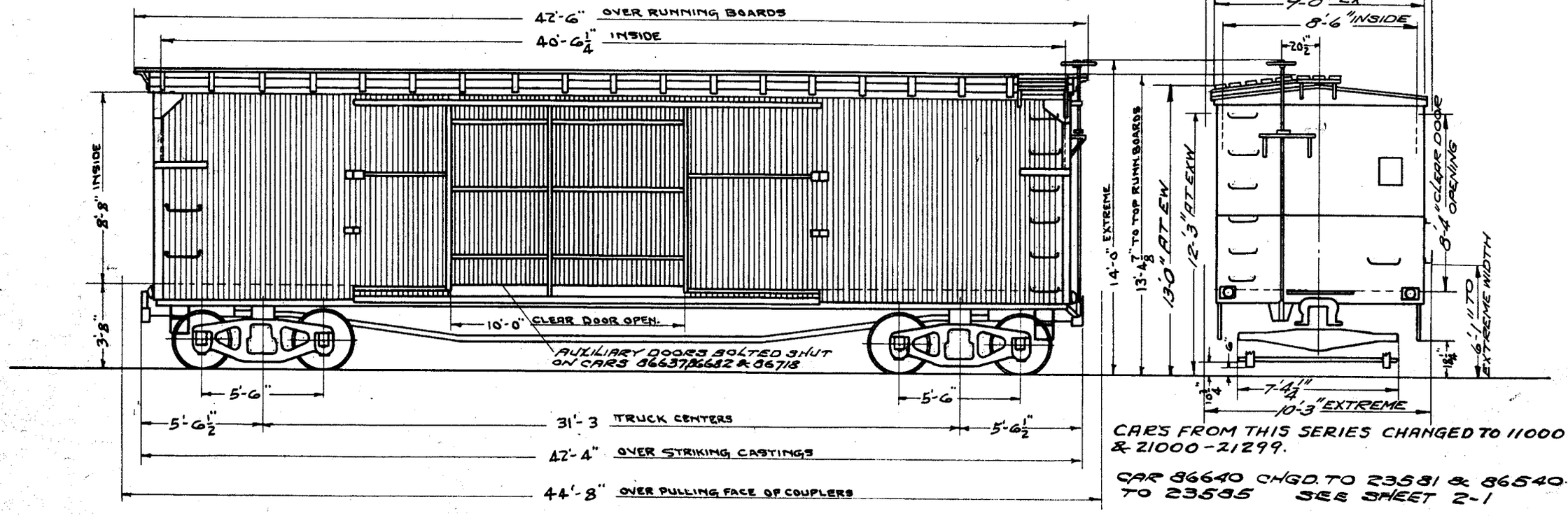
40 TON AUTO BOX

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO MAR. 7. 1933

REVISIONS					
B.L.B. 12-15-1936					
DR	TR	CH	GROUP NO.	SHEET NO.	
C.J.T.	C.J.T.		2	6	

NOTE:- 1. CARS 86637, 86682 & 86718 HAD AUXILIARY DOORS BOLTED SHUT AND VENEER FLOOR APPLIED. INSIDE HEIGHT 8'-7 3/16", HEIGHT FROM RAIL TO TOP OF FLOOR 3'-8 3/16" DOOR CLEAR OPENING 6'-0" X 8'-3 3/16", CUBIC CAPACITY 2962 CU. FT.



CARS FROM THIS SERIES CHANGED TO 11000-11299 & 21000-21299.

CAR 86640 CHGD. TO 23581 & 86540 CHGD. TO 23585 SEE SHEET 2-1

GENERAL DATA			
BUILT BY - AMER. CAR & FDY. CO.	CENTER SILL - BUILT UP SHAPES & PLATES	SIDE BEARING CENTERS	MISCELLANEOUS
YEAR BUILT - 1917	CENTER SILL AREA 25.88 SQ. IN.	SHEATHING 13/16" T. & G.	
CAPACITY LEVEL FULL - CU. FT. - 2985	CENTER SILL COVER PLATE 1/4" X 21"	SUPERSTRUCTURE - WOOD	
CAPACITY - 80000	COUPLER - A.R.A. TYPE "D" 5X7	UNDERFRAME - STEEL	
AVERAGE LOAD LIMIT - LBS. - 92800	COUPLER RELEASE RIGGING		
AVERAGE LIGHT WEIGHT - LBS. - 43700	DOOR - WOOD	TRUCK DATA	
BUILDERS REFERENCE - LOT. 353-B	DOOR FIXTURES - CAMEL - GILROY	BOLSTER - CAST STEEL - PATT. A-911	
R. R. SPEC. NO.	DOOR CLEAR OPENING 10'-0" WIDE - 8'-4" HIGH	BRAKE BEAM No. 2	
	DRAFT GEAR - MINER TANDEM	BRAKE BEAM SAFETY - 2" X 2" X 3/8" ANGLE	
	DRAFT GEAR ATTACHMENT -	CENTER PLATE - CAST INTEGRAL	
	ENDS - CORR. STEEL	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO - .049	JOURNAL 5X9	
AIR BRAKE MFG. - N.Y.A.B. CO.	FLOORING - 1 3/4" T. & G.	SIDE BEARING	
AIR BRAKE SCHEDULE - KC1012	GENERAL DRAWING OF CAR NO.	SIDE FRAME - CAST STEEL INT. BOX - PATT. A 985	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - WHEEL & SHAFT - PLAIN	SPRING - A.R.A. TYPE "C"	
BODY CENTER PLATE CAST STEEL PATT. A-646	LINING END 13/16" T. & G.	WHEELS - 33" DIA. - CAST IRON	
BODY SIDE BEARING	LINING SIDE 13/16" T. & G.	WEIGHT OF ONE TRUCK	
CARLINES - PRESSED STEEL	ROOF	CENTER PLATE HEIGHT - 2'-2"	

SEE NOTE:- 1 | 86500-86749

CLASS | CARS

40 TON AUTO BOX

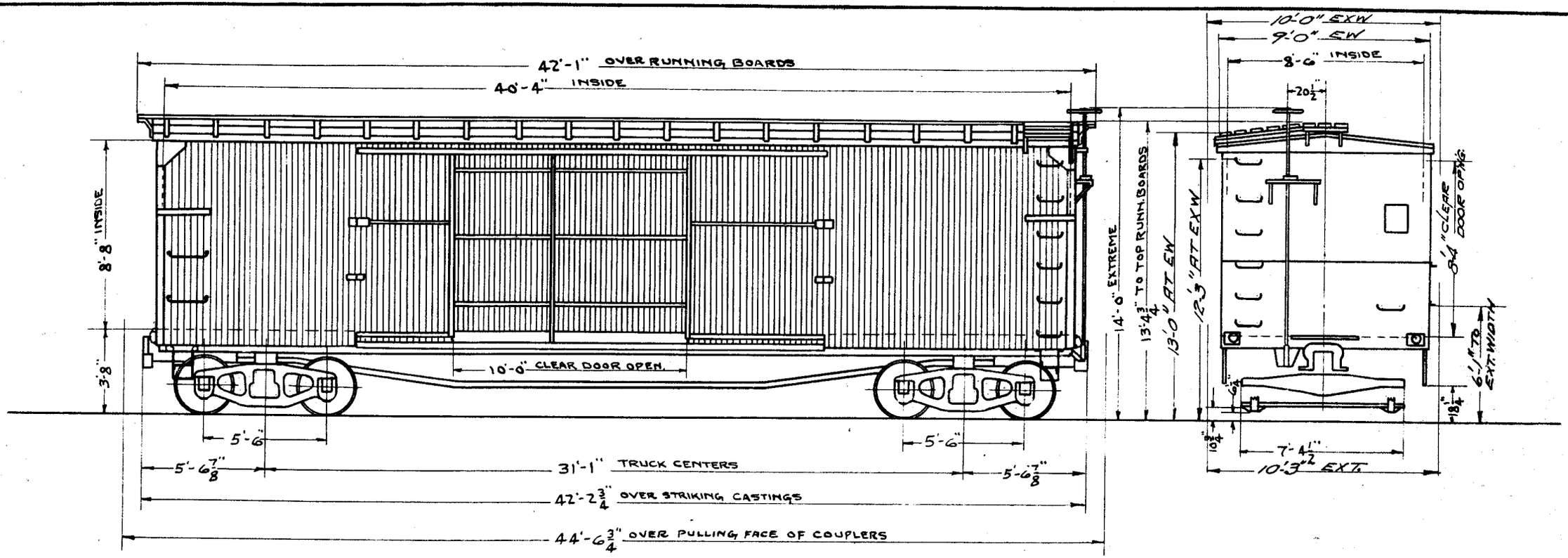
N.K.P.

ADVISORY MECHANICAL COMMITTEE

CLEVELAND, OHIO MAY. 11. 1933

B	C	D	REVISIONS
12-14-33	3/11/37	1-18-39	
4-11-34	9/16/38		

DR	TR	CH	GROUP No.	SHEET No.
C.J.T.	C.J.T.		2	7



GENERAL DATA			
BUILT BY – MERCHANTS DES TRANS. Co.	CENTER SILL	SIDE BEARING CENTERS 5'-0"	MISCELLANEOUS
YEAR BUILT – 1915	CENTER SILL AREA	SHEATHING	
CAPACITY LEVEL FULL CU. FT – 2971	CENTER SILL COVER PLATE	SUPERSTRUCTURE	
CAPACITY – 80000	COUPLER	UNDERFRAME – STEEL	
AVERAGE LOAD LIMIT LBS. – 94500	COUPLER RELEASE RIGGING		
AVERAGE LIGHT WEIGHT LBS. – 41500	DOOR – WOOD	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES	BOLSTER – CAST STEEL – PATT. A-911	
R. R. SPEC. NO.	DOOR CLEAR OPENING 10'-0"W 8'-4"H	BRAKE BEAM	
	DRAFT GEAR TANDEM SPRING	BRAKE BEAM SAFETY	
	DRAFT GEAR ATTACHMENT	CENTER PLATE – CAST INTEGRAL	
	ENDS – CORR. STEEL	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO	JOURNAL 5X9	
AIR BRAKE MFG.	FLOORING – 1 3/4" T. & G.	SIDE BEARING	
AIR BRAKE SCHEDULE	GENERAL DRAWING OF CAR NO.	SIDE FRAME – CAST STEEL INT. BOX – PATT. A-985	
BODY BOLSTER	HAND BRAKE – WHEEL & SHAFT-PLAIN	SPRING	
BODY CENTER PLATE	LINING END 13/16" T. & G.	WHEELS	
BODY SIDE BEARING	LINING SIDE 13/16" T. & G.	WEIGHT OF ONE TRUCK	
CARLINES	ROOF	CENTER PLATE HEIGHT 2'-2"	

86750-86756

CLASS CARS

40 TON AUTO BOX

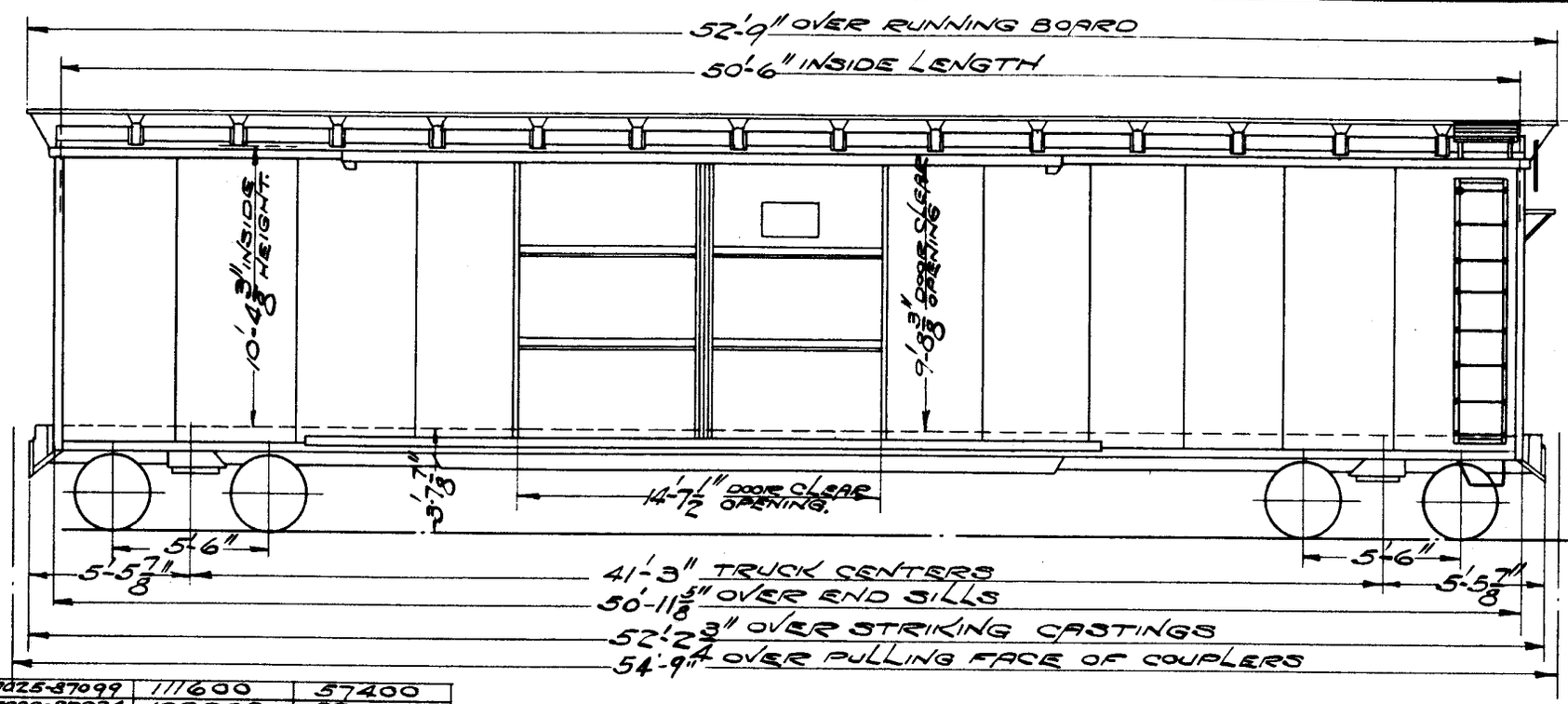
N.K.P.

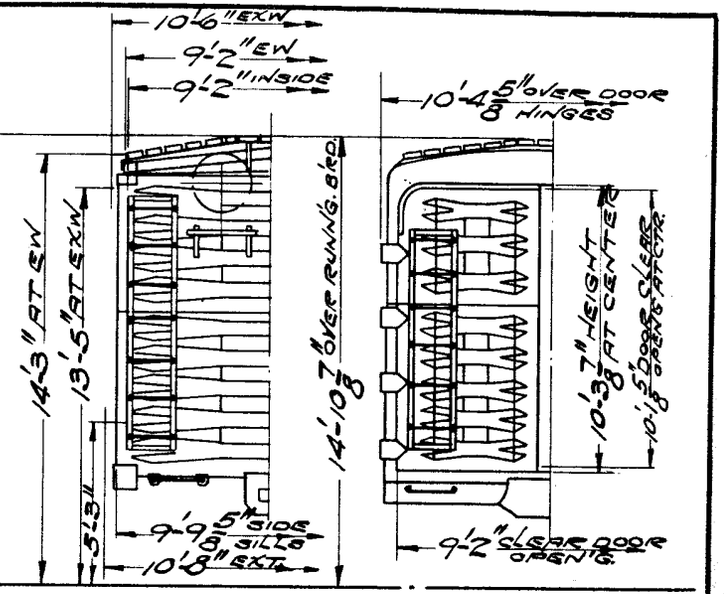
ADVISORY MECHANICAL COMMITTEE

CLEVELAND, OHIO MAY 17, 1933

REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
C.J.T.	C.J.T.		2	8





CARS 87000-87024 HAVE LARGE END DOORS.

NOTE:-1, SIDE FRAME C.S. DOUBLE TRUSS INTEGRAL BOX TYPE.

NOTE:-2 SPRINGS A.A.R. 1915 COIL & OUTER, 1-F-2-A STABILIZER PER NEST.

CARS	AVG. LD. LMT.	AVG. LGT. WGT.
87025-87099	111600	57400
87000-87024	109900	59100

GENERAL DATA	
BUILT BY	R.S.C.CO. COLUMBUS, O.
YEAR BUILT	JUNE & JULY - 1937
CAPACITY LEVEL FULL CU. FT	4798
CAPACITY WITH 10 IN. HEAP CU. FT.	
AVERAGE LOAD LIMIT LBS.	SEE TABLE
AVERAGE LIGHT WEIGHT LBS.	SEE TABLE
BUILDERS REFERENCE	C-2626
R. R. SPEC. NO.	8-CAB

CAR BODY DATA	
AIR BRAKE MFG.	NYAB CO.
AIR BRAKE SCHEDULE	"AB"
BODY BOLSTER	BUILT UP STEEL
BODY CENTER PLATE	DROP FORGED
BODY SIDE BEARING	AXLE STEEL
CARLINES	1/4" PRESSED STEEL

CENTER SILL	A.R.R. 40.3 CHANNEL
CENTER SILL AREA	29.815 SQ. IN.
CENTER SILL COVER PLATE	1/4" X 25 1/2"
COUPLER	A.A.R. TYPE "E" 6 1/4" X 8" SHANK
COUPLER RELEASE RIGGING	UNP CO. BOTT. OPER.
DOOR	CRECO
DOOR FIXTURES	CRECO
DOOR CLEAR OPENING	9'-8 3/8" X 14'-7 1/2"
DRAFT GEAR	NATIONAL M-17-A
DRAFT GEAR ATTACHMENT	C.S. YOKE
ENDS	OREGON NAUGHT
END LOAD RATIO	.0428
FLOORING	2 3/8"
GENERAL DRAWING OF CAR NO.	
HAND BRAKE	CHAMP. VERT. WHEEL
LINING END	15/16"
LINING SIDE	1 3/4"
ROOF	VIIRING

SIDE BEARING CENTERS	4'-2"
SHEATHING	1/8" C.B.S.
SUPERSTRUCTURE	STEEL
UNDERFRAME	STEEL

TRUCK DATA	
BOLSTER	C.S. DOUBLE TRUSS
BRAKE BEAM	A.A.R. NO. 15
BRAKE BEAM SAFETY	CRECO 4 POINT
CENTER PLATE	INTEGRAL
GENERAL DRAWING OF TRUCK NO.	
JOURNAL	5 1/2" X 10"
SIDE BEARING	POCKET & SHOE
SIDE FRAME	SEE NOTE:-1
SPRING	SEE NOTE:-2
WHEELS	33" W.S.I.W.
WEIGHT OF ONE TRUCK	7300#

MISCELLANEOUS

CLASS	CARS
50-TON AUTO.	87000-87099

N.K.P.

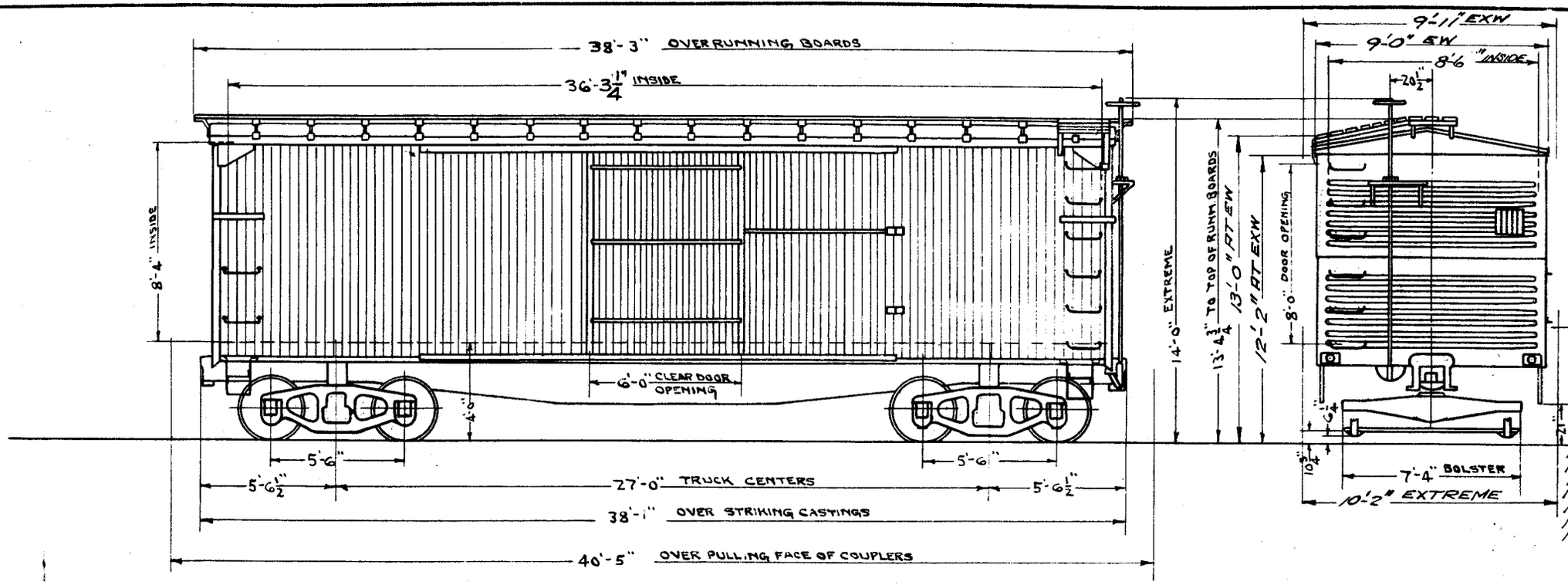
ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JULY 23, 1937

REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
	JGB	CMS	2	9

40-TON BOX

GROUP NO. 3



10043 CONVERTED TO 4013
10108 " " 4001
10126 " " 4010
10210 " " 4002
10241 " " 4009
10365 " " 4003
10368 " " 4005
10409 " " 4007
10443 " " 4013
10446 " " 4000
10881 " " 4012
CONVERTED IN 1937.
10829 CONVERTED TO 4015
10095 " " 4017
10803 " " 4018
CONVERTED IN NOV. 1939

10403 CONVERTED TO RIDER CAR 1311
10140 " " " " 1312
10327 " " " " 1313
10432 " " " " 1314
10376 " " " " 1317
10258 " " " " 1319
10751 " " " " 1320

10951 CHANGED TO RIDER CAR X-50521 4-15-36

GENERAL DATA			
BUILT BY - AMER. CAR & FOUNDRY CO.	CENTER SILL - BUILT UP SHAPES & PLATES	SIDE BEARING CENTERS 5'-0"	
YEAR BUILT - 1916	CENTER SILL AREA - 23.66 SQ.IN.	SHEATHING - 13/16" TONGUE & GROOVE	
CAPACITY LEVEL FULL CU. FT. - ~~2584~~ 2569	CENTER SILL COVER PLATE 1/4" X 20 1/4"	SUPERSTRUCTURE - WOOD	
CAPACITY - 80000	COUPLER - ARA TYPE D 5"X7"	UNDERFRAME - STEEL	
AVERAGE LOAD LIMIT LBS. - 95300	COUPLER RELEASE RIGGING - IMPERIAL		
AVERAGE LIGHT WEIGHT LBS. - 40700	DOOR - WOOD	TRUCK DATA	
BUILDERS REFERENCE - 8040	DOOR FIXTURES - CAMEL	BOLSTER - CAST STEEL - PATT. A-911	
R. R. SPEC. NO. - LOT 100	DOOR CLEAR OPENING 6'-0" WIDE X 8'-0" HIGH	BRAKE BEAM - No. 2	
	DRAFT GEAR - MINER TANDEM	BRAKE BEAM SAFETY - 2X2X3/8 ANGLE	
	DRAFT GEAR ATTACHMENT - CAST STEEL YOKE	CENTER PLATE - CAST INTEGRAL	
CAR BODY DATA	ENDS - CORR. STEEL	GENERAL DRAWING OF TRUCK NO. 5194-D	
	END LOAD RATIO - .057	JOURNAL 5"X9"	
AIR BRAKE MFG. - M.T.A.B. CO.	FLOORING - 1 3/4" SHIP LAP	SIDE BEARING - SEE NOTE-1	
AIR BRAKE SCHEDULE - KC1012	GENERAL DRAWING OF CAR NO. - 139-11-186	SIDE FRAME - CAST STEEL - PATT. A-985	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - WHEEL & SHAFT - PLAIN	SPRING A.R.A. STD. TYPE "C"	
BODY CENTER PLATE - CAST STEEL - PATT. A-646	LINING END - 1 3/4" T.&G.	WHEELS - 33" DIA. CAST IRON	
BODY SIDE BEARING - SEE NOTE-1	LINING SIDE 13/16" TONGUE & GROOVE	WEIGHT OF ONE TRUCK	
CARLINES - PRESSED STEEL	ROOF - CHICAGO - CLEVELAND	CENTER PLATE HEIGHT - 2'-2"	

MISCELLANEOUS

NOTE:-1 CARS 10000-10499 HAVE MINER ROLLER SIDE BEARING AND IS ATTACHED TO TRUCK BOLSTER. CARS 10500-10999 HAVE WOODS TIP ROLLER ATTACHED TO BODY BOLSTER.

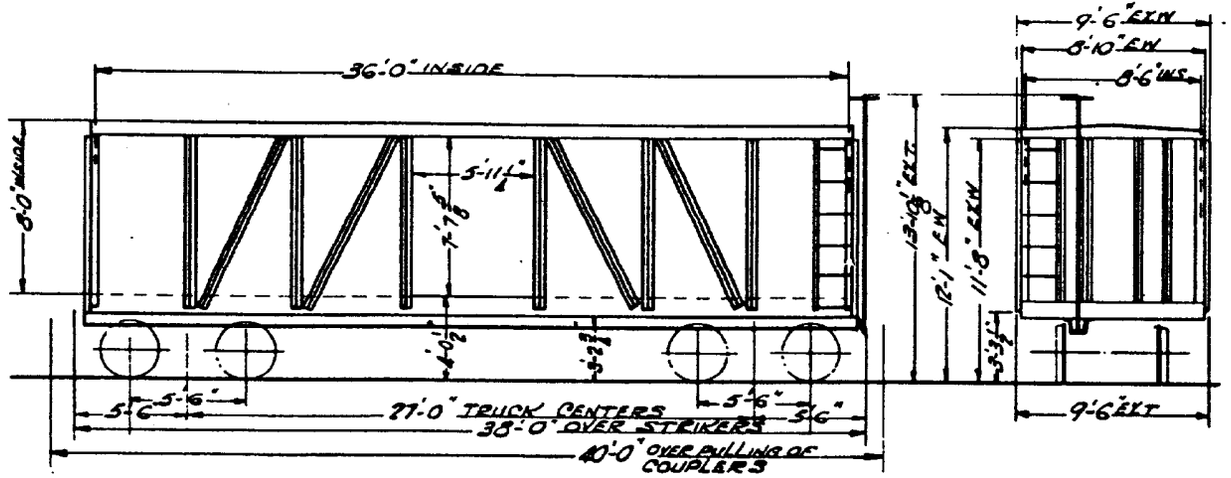
CLASS	CARS
40 TON BOX	10000-10999

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JUNE 9 1933

DR	TR	CH	GROUP NO.	SHEET NO.
C.J.T.	C.J.T.		3	1

NOTE:-1
THESE CARS CONVERTED FROM CARS IN
97000-97999 SERIES



GENERAL DATA	
BUILT BY	HASKELL & BARKER
YEAR BUILT	1914
CAPACITY LEVEL FULL—CU FT	2428
CAPACITY WITH 10 IN. HEAP CU. FT	
AVERAGE LOAD LIMIT—LBS	
AVERAGE LIGHT WEIGHT—LBS	37000
BUILDERS REFERENCE	
R R SPEC NO	

CAR BODY DATA	
AIR BRAKE MFG	
AIR BRAKE SCHEDULE	
BODY BOLSTER	BUILT UP STEEL
BODY CENTER PLATE	CAST STEEL
BODY SIDE BEARING	FRICTION
CARLINES	PRESSED STEEL

CENTER SILL	2-15" 33# CHANNELS
CENTER SILL AREA	
CENTER SILL COVER PLATE	1/4" x 19 3/4"
COUPLER	
COUPLER RELEASE RIGGING	TOP OPERATING
DOOR	
DOOR FIXTURES	
DOOR CLEAR OPENING	5'-11 1/4" W 7'-7 3/8" H
DRAFT GEAR	CARDWELL WEST. NYLE
DRAFT GEAR ATTACHMENT	FORGED STEEL YOKE
ENDS	COMPOSITE
END LOAD RATIO	
FLOORING	1 3/4" T&G
GENERAL DRAWING OF CAR—NO.	NKP 12485-F
HAND BRAKE	WHEEL & SHAFT
LINING END	—
LINING SIDE	—
ROOF	NONE

SIDE BEARING CENTERS	4'-10"
SHEATHING	1 3/4" T&G END & SIDE
SUPERSTRUCTURE	COMPOSITE
UNDERFRAME	STEEL

TRUCK DATA	
BOLSTER	SIMPLEX
BRAKE BEAM	
BRAKE BEAM SAFETY	
CENTER PLATE	CAST STEEL
GENERAL DRAWING OF TRUCK NO	
JOURNAL	5" x 9"
SIDE BEARING	FRICTION
SIDE FRAME	CAST STEEL
SPRING	
WHEELS	33" DIA.
WEIGHT OF ONE TRUCK	
CTR. PLT. HGT.	2'-1 1/4"

MISCELLANEOUS

SEE NOTE:-1	4019 - 4037
CLASS	CARS

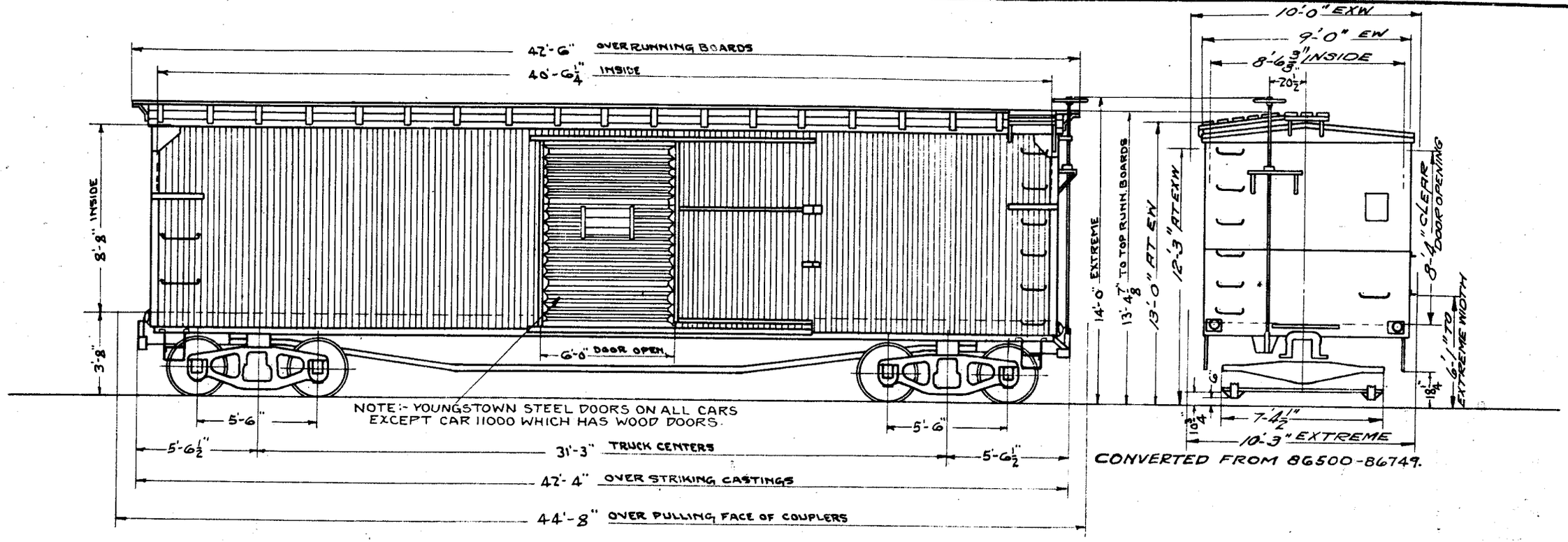
40 TON COKE

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO 2-20-46

REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
JGB	JGB		3	1-A



GENERAL DATA			
BUILT BY – AMER. CAR & FDY. CO.	CENTER SILL – BUILT UP SHAPES & PLATES	SIDE BEARING CENTERS	MISCELLANEOUS
YEAR BUILT – 1917	CENTER SILL AREA – 25.88 SQ. IN.	SHEATHING 13/16" T&G.	
CAPACITY LEVEL FULL - CU. FT. – 29.96	CENTER SILL COVER PLATE 1/4" X 21"	SUPERSTRUCTURE – WOOD	
CAPACITY – 80000	COUPLER	UNDERFRAME – STEEL	
AVERAGE LOAD LIMIT - LBS. – 92700	COUPLER RELEASE RIGGING		
AVERAGE LIGHT WEIGHT - LBS – 43300	DOOR YOUNGSTOWN SEE NOTE.	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES – CAMEL-GILROY	BOLSTER – CAST STEEL – PATT. A-911	
R. R. SPEC. NO.	DOOR CLEAR OPENING – 6'-0" WIDE 8'-4" HIGH	BRAKE BEAM No. 2	
	DRAFT GEAR – MINER TANDEM	BRAKE BEAM SAFETY – 2" X 2" X 3/8" ANGLES	
	DRAFT GEAR ATTACHMENT –	CENTER PLATE – CAST INTEGRAL	
CAR BODY DATA	ENDS – CORR. STEEL	GENERAL DRAWING OF TRUCK NO.	
AIR BRAKE MFG – N.Y.A.B.CO.	END LOAD RATIO .049	JOURNAL 5X9	
AIR BRAKE SCHEDULE – KC1012	FLOORING – 1 3/4" T. & G.	SIDE BEARING	
BODY BOLSTER – BUILT UP STEEL	GENERAL DRAWING OF CAR NO 139-11-147	SIDE FRAME CAST STEEL INT. BOX – PATT. A-985	
BODY CENTER PLATE CAST STEEL A-646	HAND BRAKE – WHEEL & SHAFT - PLAIN	SPRING – A.R.A. STD. TYPE-C	
BODY SIDE BEARING	LINING END – 1 3/4" T. & G.	WHEELS – 33" DIA. CAST IRON	
CARLINES – PRESSED STEEL	LINING SIDE 13/16 T. & G.	WEIGHT OF ONE TRUCK	
	ROOF	CENTER PLATE HEIGHT – 2'-2"	

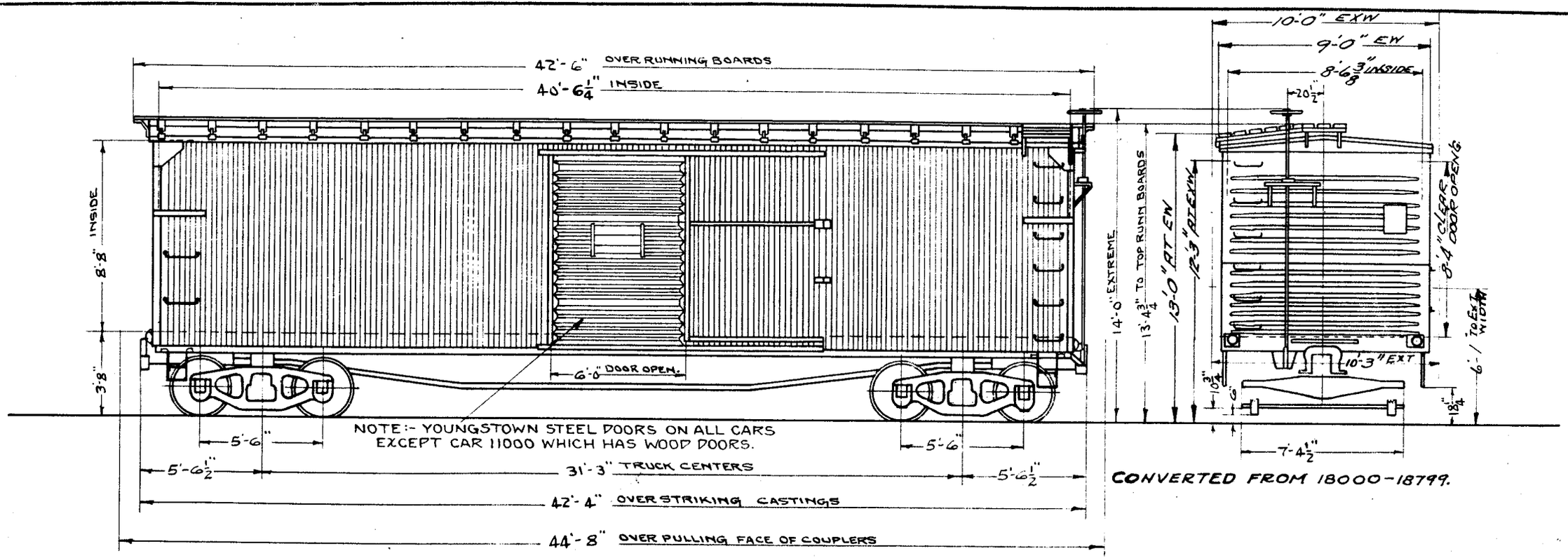
CLASS	CARS
40 TON BOX	11000-11299

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO MAY. 12. 1933

B	C	REVISIONS
1-18-39		

DR	TR	CH	GROUP NO.	SHEET NO.
C.J.T.	C.J.T.	JJN	3	2



CONVERTED FROM 18000-18799.

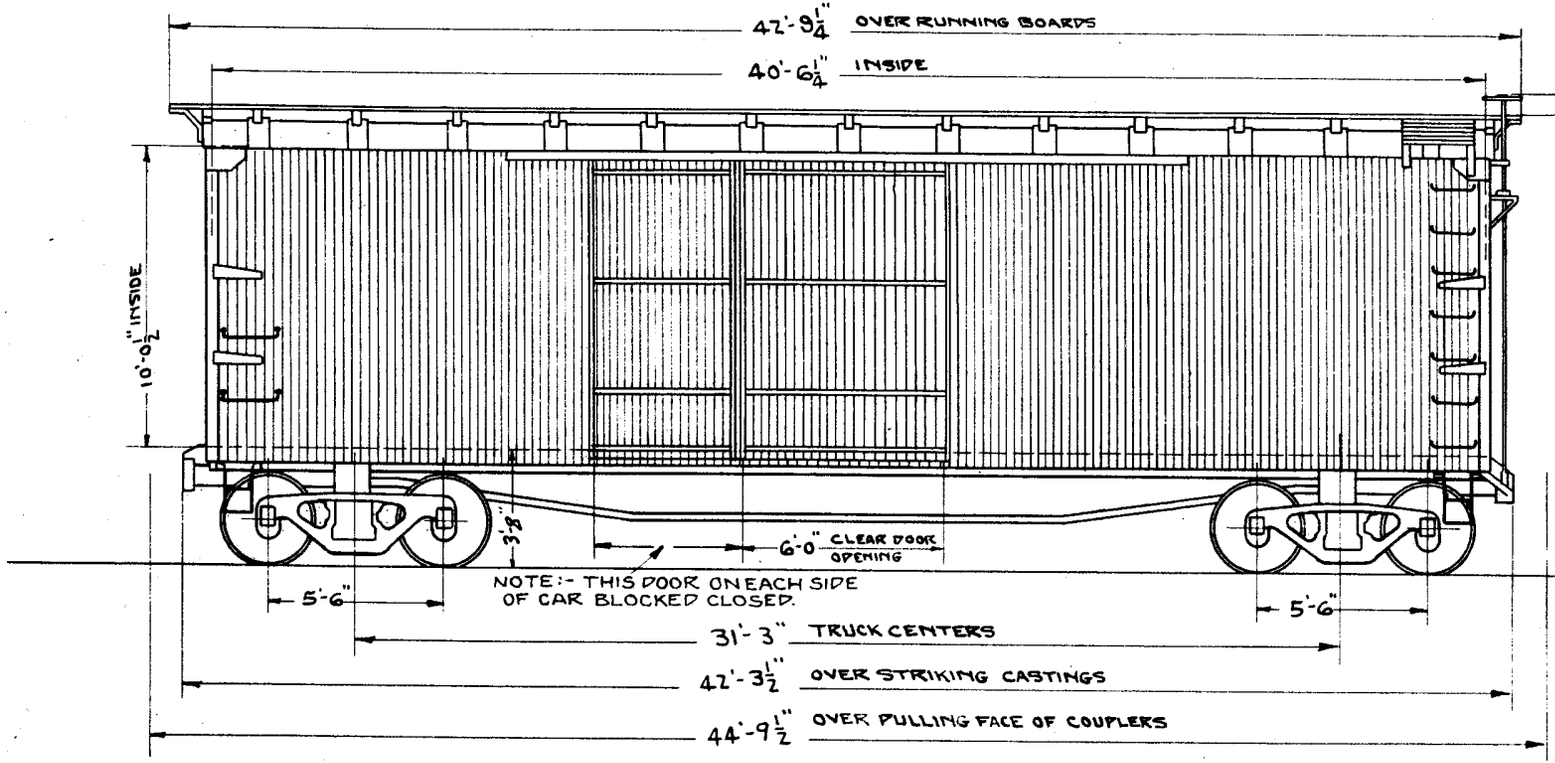
GENERAL DATA			MISCELLANEOUS
BUILT BY - WESTERN STEEL CAR & FDY. CO.	CENTER SILL - BUILT UP SHAPES & PLATES	SIDE BEARING CENTERS 5'-0"	
YEAR BUILT - 1917	CENTER SILL AREA - 25.88 SQ.IN.	SHEATHING 13/16" WOOD T&G.	
CAPACITY LEVEL FULL CU. FT - 2996	CENTER SILL COVER PLATE 1/4" X 21"	SUPERSTRUCTURE - WOOD	
CAPACITY - 80000	COUPLER - ARA. TYPE-D-5X7	UNDERFRAME - STEEL	
AVERAGE LOAD LIMIT LBS. - 92700	COUPLER RELEASE RIGGING - IMPERIAL		
AVERAGE LIGHT WEIGHT LBS. - 43300	DOOR YOUNGSTOWN SEE NOTE	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES - CAMEL	BOLSTER - CAST STEEL PATT. A-911	
R. R. SPEC. NO.	DOOR CLEAR OPENING - 6'-0" WIDE 8'-4" HIGH	BRAKE BEAM - No. 2	
	DRAFT GEAR - TANDEM SPRING	BRAKE BEAM SAFETY - 2" X 2" X 3/8" ANGLE	
	DRAFT GEAR ATTACHMENT - CAST STEEL YOKE	CENTER PLATE - CAST INTEGRAL	
	ENDS - MURPHY CORR. STEEL	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO .049	JOURNAL - 5X9	
AIR BRAKE MFG. - N.Y.A.B.Co	FLOORING - 1 3/4" T&G.	SIDE BEARING - STEEL PLATE	
AIR BRAKE SCHEDULE - KC 1012	GENERAL DRAWING OF CAR NO. 139-11-147	SIDE FRAME - CAST STEEL - INT. BOX PATT A-985	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - WHEEL & SHAFT - PLAIN	SPRING - ARA STD. TYPE-C	
BODY CENTER PLATE - CAST STEEL A-646	LINING END - 1 3/4" T&G.	WHEELS - 33" DIA. CAST IRON	
BODY SIDE BEARING - WOODS TIP ROLLER	LINING SIDE 13/16" T&G.	WEIGHT OF ONE TRUCK	
CARLINES - PRESSED STEEL	ROOF - CHICAGO - CLEVE - OUTSIDE METAL	CENTER PLATE HEIGHT - 2'-2"	

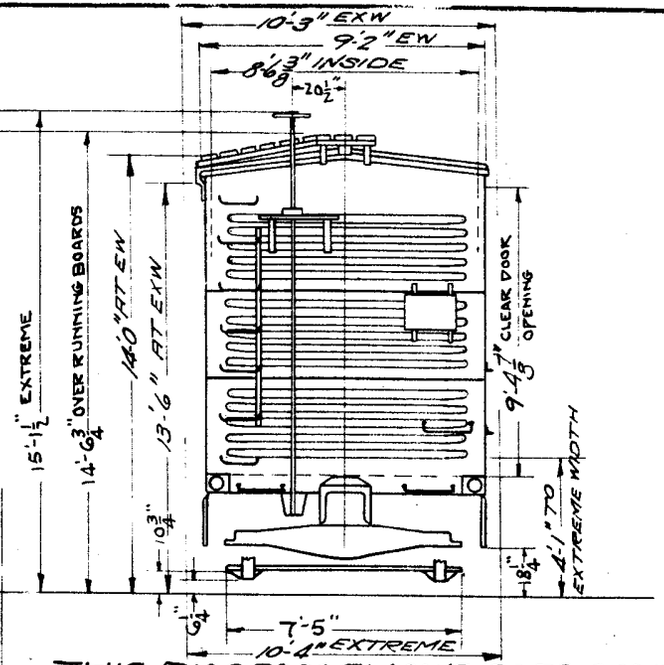
CLASS	CARS
40 TON BOX	11000-11299

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO MAY. 10. 1933

REVISIONS					
B	C				
7-15-1-18					
4-21-39					
10-30-39					
DR	TR	CH	GROUP NO	SHEET NO	
C.J.T.	C.J.T.		3	3	





THIS DIAGRAM SHOWS CARS CONVERTED FROM 20000 - 20999 SERIES
OTHER CARS IN THIS SERIES WERE TAKEN FROM 19000-19999 AND ARE SHOWN ON DIAGRAM-GROUP-3 SHEET-5

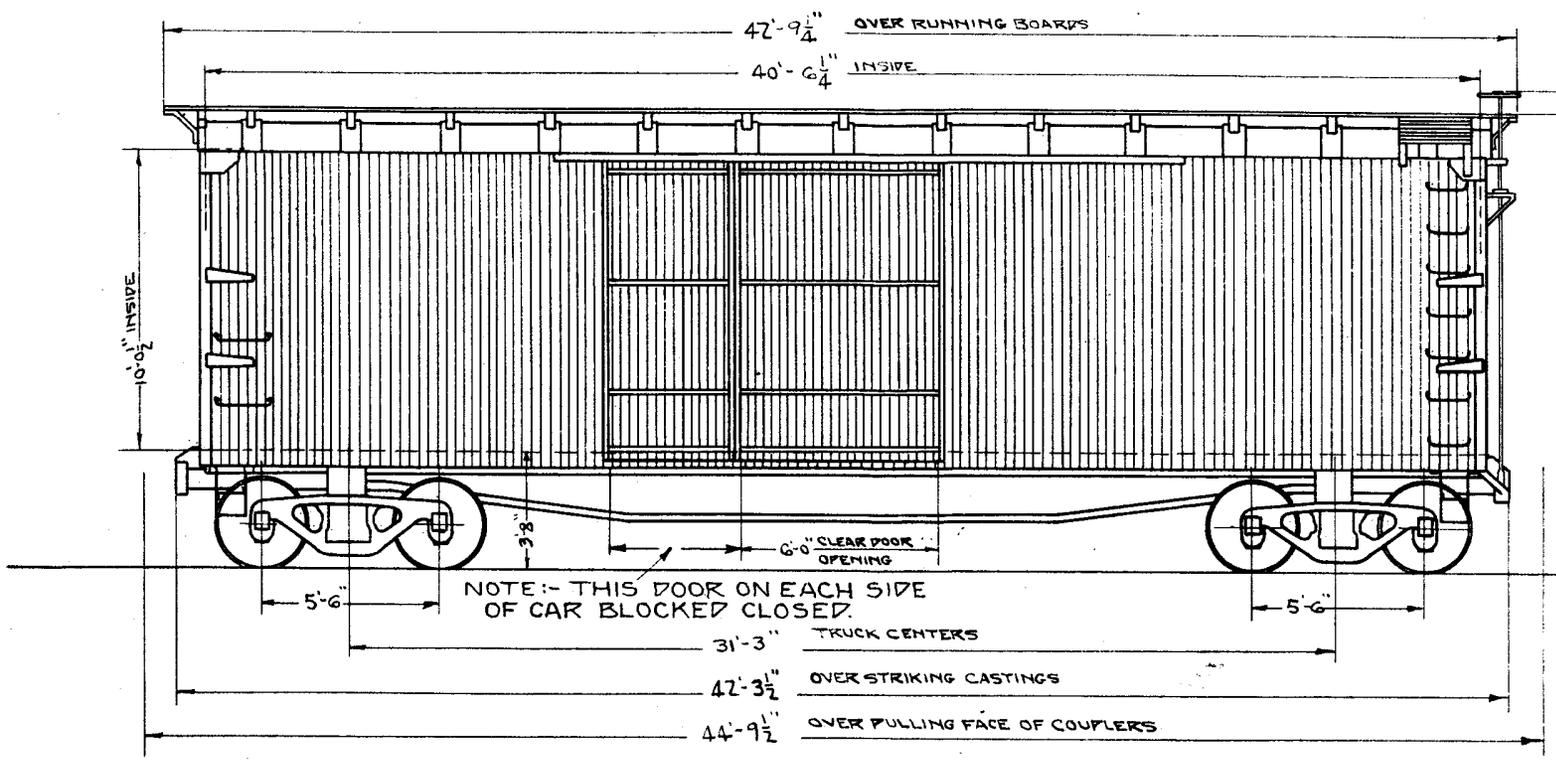
GENERAL DATA			MISCELLANEOUS
BUILT BY ILL. CAR & MFG. CO.	CENTER SILL - SHAPES & PLATES	SIDE BEARING CENTERS - 5'-0"	
YEAR BUILT - 1924	CENTER SILL AREA - 28.22 SQ.IN.	SHEATHING 13/16" WOOD	
CAPACITY LEVEL FULL CU. FT. - 3471	CENTER SILL COVER PLATE 1/4" X 21"	SUPERSTRUCTURE - WOOD	
CAPACITY WITH 10 IN. HEAP CU. FT.	COUPLER - ARA TYPE "D" 6"X8"	UNDERFRAME - BUILT UP STEEL	
AVERAGE LOAD LIMIT LBS - 89900	COUPLER RELEASE RIGGING - IMPERIAL TYPE "B"		
AVERAGE LIGHT WEIGHT LBS. - 46100	DOOR - WOOD	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES - CAMEL	BOLSTER CAST STEEL - PATT. A-911	
R. R. SPEC. NO.	DOOR CLEAR OPENING 6'-0" W. 9'-4 7/8" H	BRAKE BEAM - ARA No. 2 - DAMASCUS	
	DRAFT GEAR - BRADFORD FRICTION	BRAKE BEAM SAFETY - CRECO - 4 POINT	
	DRAFT GEAR ATTACHMENT FARLOW 2 KEY	CENTER PLATE - CAST INTEGRAL	
	ENDS - MURPHY	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO. .044	JOURNAL 5 X 9	
AIR BRAKE MFG. N.Y.A.B. CO.	FLOORING 13/4" YELLOW PINE - T. & G.	SIDE BEARING - WOODS PLATE	
AIR BRAKE SCHEDULE - KC1012	GENERAL DRAWING OF CAR NO. - 139-11-177	SIDE FRAME CAST STEEL - INT. BOX	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - WHEEL & SHAFT	SPRING - ARA TYPE C	
BODY CENTER PLATE - CAST STEEL - PATT. A-646	LINING END - 1 3/4" T. & G.	WHEELS 33" DIA. CAST IRON	
BODY SIDE BEARING - WOODS TIP ROLLER	LINING SIDE 13/16" WOOD FLOOR TO SIDE PLATE	WEIGHT OF ONE TRUCK	
CARLINES - PRESSED STEEL	ROOF - HUTCHINS	CENTER PLATE HEIGHT - 2'-1 7/8"	

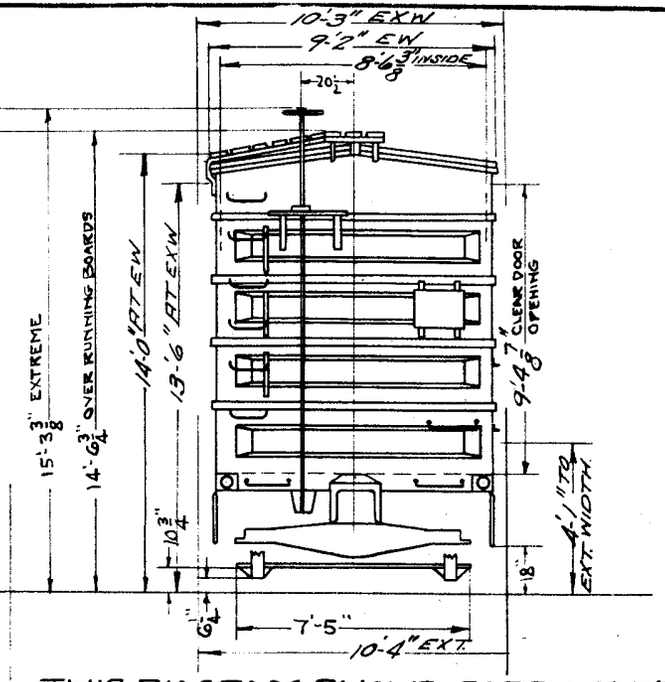
CLASS	CARS
40 TON BOX	12000-12999

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO MAR. 31. 1933.

REVISIONS				
B/C D				
12-15-11 20 1-18				
8-24-36 37 39				
DR.	TR.	CH.	GROUP NO.	SHEET NO.
C.J.T.	C.J.T.		3	4





THIS DIAGRAM SHOWS CARS CONVERTED FROM 19000-19999 SERIES. OTHER CARS IN THIS SERIES WERE TAKEN FROM 20000-20999 AND ARE SHOWN ON DIAGRAM-GROUP-3 SHEET-4

GENERAL DATA			MISCELLANEOUS
BUILT BY ILL. CAR & MFG. CO.	CENTER SILL - BUILT UP SHAPES AND PLATES	SIDE BEARING CENTERS 5'-0"	
YEAR BUILT - 1923	CENTER SILL AREA - 25.88 SQ. IN.	SHEATHING 13/16" WOOD	
CAPACITY LEVEL FULL CU. FT. - 3471	CENTER SILL COVER PLATE 1/4" X 21"	SUPERSTRUCTURE - WOOD	
CAPACITY WITH 10 IN. HEAP CU. FT.	COUPLER - ARA TYPE "D" 6X8	UNDERFRAME - BUILT UP STEEL	
AVERAGE LOAD LIMIT LBS. - 90500	COUPLER RELEASE RIGGING - IMPERIAL TYPE "B"		
AVERAGE LIGHT WEIGHT LBS. - 45500	DOOR - WOOD	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES - CAMEL	BOLSTER - CAST STEEL - PATT. A-911	
R. R. SPEC. NO.	DOOR CLEAR OPENING 6'-0" WIDE 9'-4 7/8" HIGH	BRAKE BEAM - DAMASCUS No. 2	
	DRAFT GEAR - BRADFORD, MINER-A-18-S-2, NAT. M-4-A	BRAKE BEAM SAFETY 2" X 2" X 3/8" ANGLE	
	DRAFT GEAR ATTACHMENT - FARLOW 2 KEY	CENTER PLATE - CAST INTEGRAL	
	ENDS - HUTCHINS ALL STEEL	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO - .049	JOURNAL 5X9	
AIR BRAKE MFG. N.Y.A.B. CO.	FLOORING 1 3/4" YELLOW PINE T & G.	SIDE BEARING - WOODS PLATE	
AIR BRAKE SCHEDULE - KC1012	GENERAL DRAWING OF CAR NO.	SIDE FRAME - CAST STEEL - INT. BOX	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - WHEEL & SHAFT	SPRING - ARA TYPE C	
BODY CENTER PLATE - CAST STEEL PATT. A-6046	LINING END - 1 3/4" T. & G.	WHEELS - 33" DIA. CAST IRON	
BODY SIDE BEARING - WOODS TIP ROLLER	LINING SIDE 13/16" T. & G.	WEIGHT OF ONE TRUCK - 7200 LBS.	
CARLINES - PRESSED STEEL	ROOF - MURPHY & HUTCHINS	CENTER PLATE HEIGHT 2'-2"	

CLASS	CARS
40 TON BOX	12000-12999

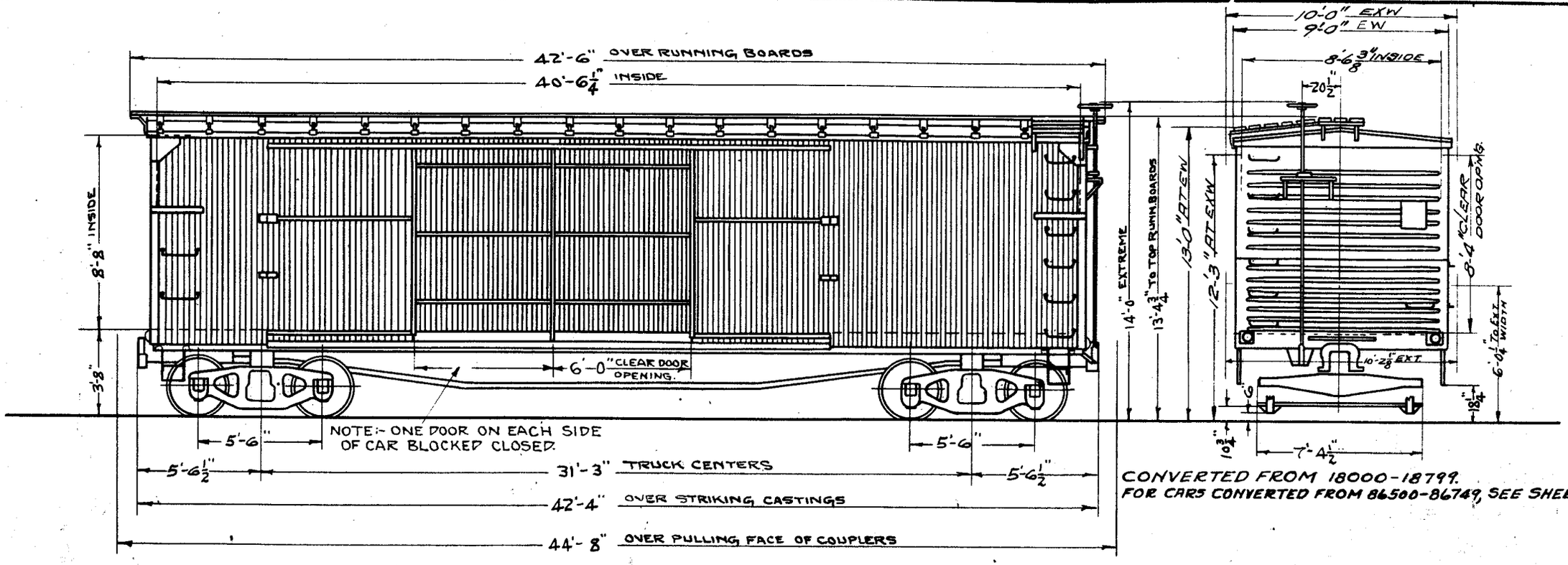
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO APRIL 4, 1933

B. C.

REVISIONS				
1-19-18				
4-19-1939				

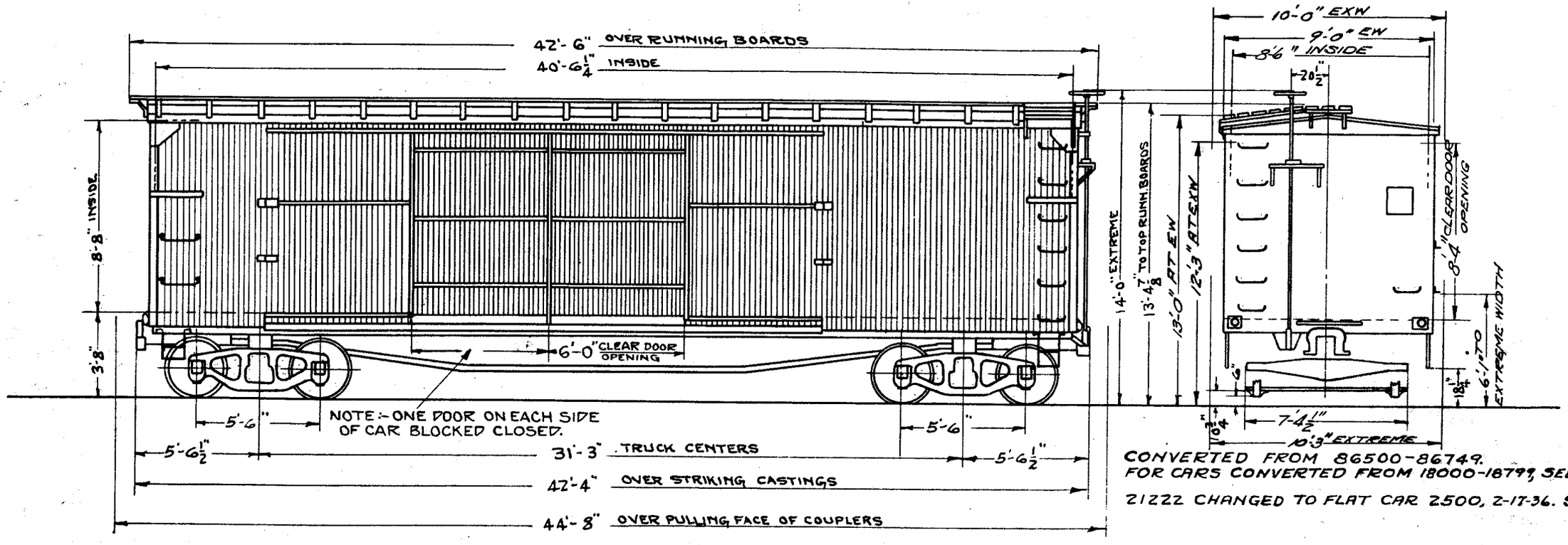
DR.	TR.	CH.	GROUP NO.	SHEET NO.
C.J.T.	C.J.T.		3	5



CONVERTED FROM 18000-18799.
FOR CARS CONVERTED FROM 86500-86749, SEE SHEET 3-7.

GENERAL DATA			MISCELLANEOUS
BUILT BY - WESTERN STEEL CAR & FDY. CO.	CENTER SILL - SHAPES & PLATES	SIDE BEARING CENTERS 5'-0"	
YEAR BUILT - 1917	CENTER SILL AREA - 25.88 SQ. IN.	SHEATHING 13/16" WOOD T.&G.	
CAPACITY LEVEL FULL - CU. FT. - 2996	CENTER SILL COVER PLATE 1/4" X 21"	SUPERSTRUCTURE - WOOD	
CAPACITY - 80000 LBS.	COUPLER - ARA. TYPE "D" 5X7	UNDERFRAME - STEEL	
AVERAGE LOAD LIMIT LBS. - 91900	COUPLER RELEASE RIGGING - IMPERIAL		
AVERAGE LIGHT WEIGHT LBS. - 43400	DOOR - WOOD & YOUNGSTOWN STEEL	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES - CAMEL	BOLSTER - CAST STEEL PATT. A-911	
R. R. SPEC. NO.	DOOR CLEAR OPENING - 12'-0" W. 8'-4" H.	BRAKE BEAM - No. 2	
	DRAFT GEAR - MINER TANDEM	BRAKE BEAM SAFETY 2"X2"X3/8" ANGLE	
	DRAFT GEAR ATTACHMENT - CAST STEEL YOKE	CENTER PLATE - CAST INTEGRAL	
	ENDS - MURPHY CORR. STEEL	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO - .049	JOURNAL 5X9	
AIR BRAKE MFG. - N.Y.A.B. CO.	FLOORING 13/4" TONGUE & GROOVE	SIDE BEARING - STEEL PLATE	
AIR BRAKE SCHEDULE - KC 1012	GENERAL DRAWING OF CAR NO. - 139-11-147	SIDE FRAME - CAST STEEL, PATT. A-985	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - WHEEL & SHAFT - PLAIN	SPRING - ARA STD. TYPE "C"	
BODY CENTER PLATE - CAST STEEL PATT. A-646	LINING END - 1 3/4" T. & G.	WHEELS - 33" DIA. CAST IRON.	
BODY SIDE BEARING - WOODS TIP ROLLER	LINING SIDE 13/16" T. & G. FLOOR TO S. PLATE.	WEIGHT OF ONE TRUCK	
CARLINES - PRESSED STEEL	ROOF - CHICAGO - CLEVELAND - OUTSIDE METAL	CENTER PLATE HEIGHT 2'-2"	

CLASS: 40 TON BOX			CARS: 21000-21299
N.K.P. ADVISORY MECHANICAL COMMITTEE CLEVELAND, OHIO MAY. 6. 1933			
B 12/3 REVISIONS			
DR: C.J.T.	TR: C.J.T.	CH:	GROUP NO. 3
SHEET NO. 6			



CONVERTED FROM 86500-86749.
FOR CARS CONVERTED FROM 18000-18799, SEE SHEET 3-6
21222 CHANGED TO FLAT CAR 2500, 2-17-36. SEE SHEET 8-1.

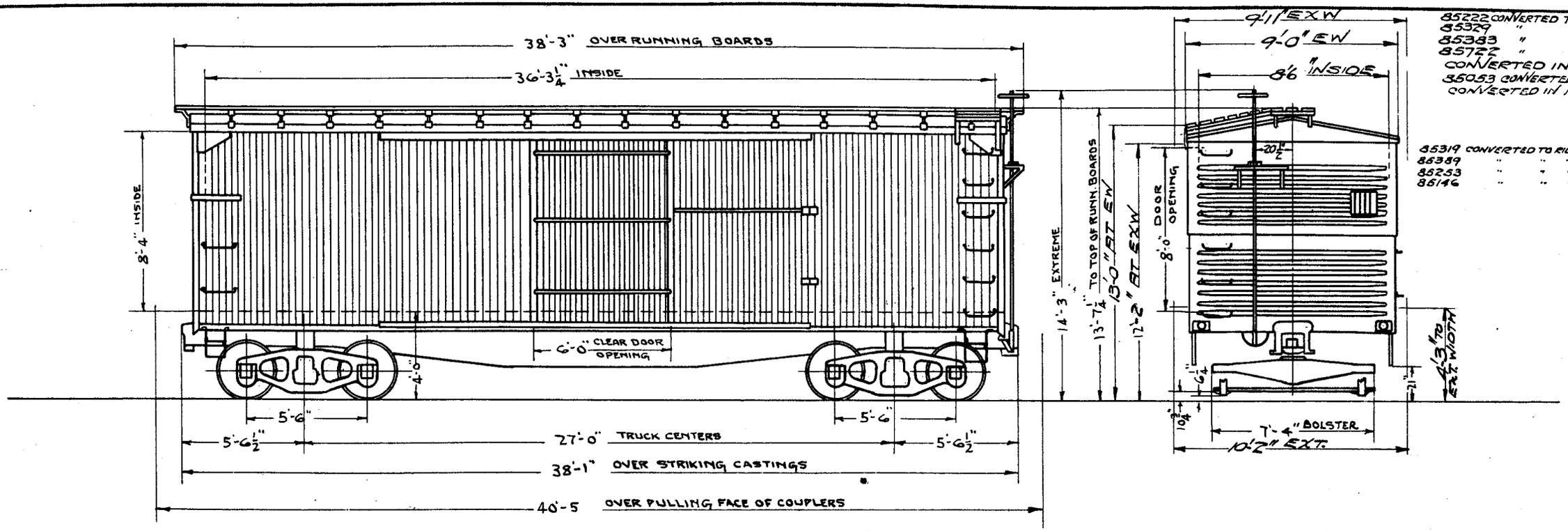
GENERAL DATA			MISCELLANEOUS
BUILT BY - AMER. CAR & FDY. CO.	CENTER SILL - BUILT UP SHAPES & PLATES	SIDE BEARING CENTERS 5'-0"	
YEAR BUILT - 1917	CENTER SILL AREA - 25.88 SQ. IN.	SHEATHING 13/16" T. & G.	
CAPACITY LEVEL FULL - CU. FT - 2996	CENTER SILL COVER PLATE 1/4" X 21"	SUPERSTRUCTURE - WOOD	
CAPACITY - 80000	COUPLER 5"X7" TYPE "D"	UNDERFRAME - STEEL	
AVERAGE LOAD LIMIT - LBS. - 93500	COUPLER RELEASE RIGGING IMPERIAL		
AVERAGE LIGHT WEIGHT LBS. - 42500	DOOR - WOOD & YOUNGSTOWN STEEL	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES - CAMEL-GILROY	BOLSTER - CAST STEEL - PATT. A-911	
R. R. SPEC. NO.	DOOR CLEAR OPENING - 12'-0" WIDE 8'-4" HIGH	BRAKE BEAM - No. 2	
	DRAFT GEAR - MINER TANDEM	BRAKE BEAM SAFETY - 2" X 2" X 3/8" ANGLES	
	DRAFT GEAR ATTACHMENT VERTICAL C.S. YOKE	CENTER PLATE CAST INTEGRAL	
	ENDS - CORR. STEEL	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO - .049	JOURNAL 5X9	
AIR BRAKE MFG. - N.Y.A.B. CO	FLOORING 13/4" T. & G.	SIDE BEARING MINER ROLLER & PLATE	
AIR BRAKE SCHEDULE - KC 1012	GENERAL DRAWING OF CAR NO. - 139-11-147	SIDE FRAME - CAST STEEL INT. BOX - PATT. A-985	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - WHEEL & SHAFT - PLAIN	SPRING - ARA STD TYPE C	
BODY CENTER PLATE CAST STEEL A-646	LINING END 1 3/4" T. & G.	WHEELS - 33" DIA. CAST IRON	
BODY SIDE BEARING PLATES & WOOD TIP-ROLLER	LINING SIDE 13/16" T. & G. FLOOR TO S. PLATE	WEIGHT OF ONE TRUCK	
CARLINES - PRESSED STEEL	ROOF C-C & 16 GAUGE HUTCHINS	CENTER PLATE HEIGHT - 2'-2"	

CLASS	CARS
40 TON BOX	21000-21299

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO MAY. 12, 1933.

REVISIONS					
1/14/20 1-18					
4/11/20					
12/6/37	39				
DR	TR	CH	GROUP NO.	SHEET NO.	
C.J.T.	C.J.T.		3	7	



85222 CONVERTED TO 4006
85329 " " 4008
85383 " " 4014
85722 " " 4004
CONVERTED IN 1937
85053 CONVERTED TO 4016
CONVERTED IN 1939

85319 CONVERTED TO RIDER CAR 1315
86389 " " " " 1316
86253 " " " " 1318
86146 " " " " 1321

85161 CHANGED TO RIDER CAR X-55600 4-23-36

GENERAL DATA			MISCELLANEOUS
BUILT BY - HASKEL & BARKER	CENTER SILL - BUILT UP SHAPES & PLATES	SIDE BEARING CENTERS - 5'-0"	
YEAR BUILT - 1917	CENTER SILL AREA - 23.666 SQ. IN.	SHEATHING - 13/16" TONGUE & GROOVE	
CAPACITY LEVEL FULL CU. FT. - 2569	CENTER SILL COVER PLATE 1/4" X 20 1/4"	SUPERSTRUCTURE - WOOD	
CAPACITY 80000 LBS	COUPLER - ARA TYPE "D" 5X7	UNDERFRAME - STEEL	
AVERAGE LOAD LIMIT LBS. - 95300	COUPLER RELEASE RIGGING		
AVERAGE LIGHT WEIGHT LBS. - 40700	DOOR - WOOD	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES - CAMEL	BOLSTER - CAST STEEL - PATT. A-911	
R. R. SPEC. NO.	DOOR CLEAR OPENING - 6'-0" WIDE 8'-0" HIGH	BRAKE BEAM - No. 2	
	DRAFT GEAR - MINER TANDEM	BRAKE BEAM SAFETY - 2" X 2" X 3/8" ANGLE	
	DRAFT GEAR ATTACHMENT - CAST STEEL YOKE	CENTER PLATE - CAST INTEGRAL	
	ENDS - CORR. STEEL	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO - .057	JOURNAL - 5X9	
AIR BRAKE MFG. - N.Y.A.B. CO.	FLOORING - 1 3/4" T. & G.	SIDE BEARING	
AIR BRAKE SCHEDULE - KC 1012	GENERAL DRAWING OF CAR NO	SIDE FRAME - CAST STEEL - PATT. A-985	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - WHEEL & SHAFT - PLAIN	SPRING A.R.A. TYPE "C"	
BODY CENTER PLATE - CAST STEEL - PATT. A-646	LINING END - 1 3/4" T. & G.	WHEELS - 33" DIA. CAST IRON	
BODY SIDE BEARING	LINING SIDE 13/16" T. & G.	WEIGHT OF ONE TRUCK	
CARLINES - PRESSED STEEL	ROOF	CENTER PLATE HEIGHT 2'-2"	

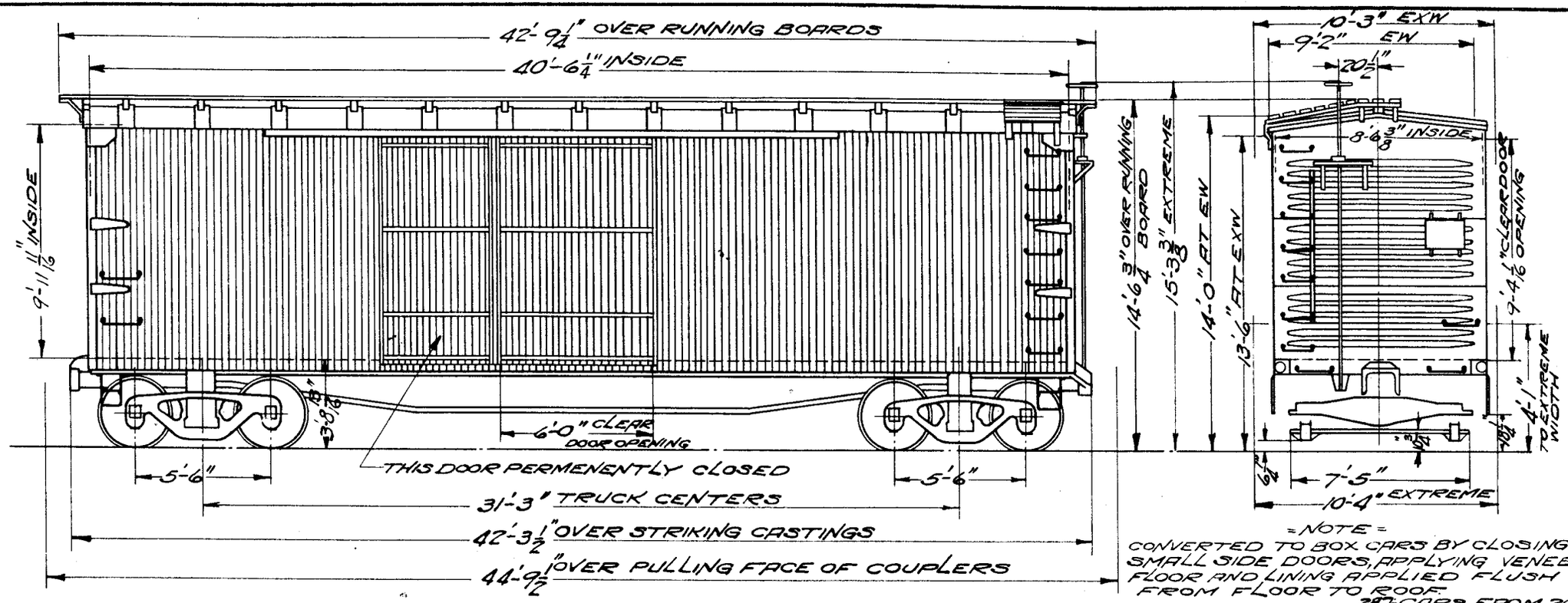
CLASS	CARS
40 TON BOX	85000-85749

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JUNE-13, 1933

A	B	C	D	E	REVISIONS
5-6-37	12-15-37	12-20-37	1-8-38	5-31-39	40

DR	TR	CH	GROUP NO.	SHEET NO.
C.J.T.	C.J.T.		3	8



= NOTE =
CONVERTED TO BOX CARS BY CLOSING SMALL SIDE DOORS, APPLYING VENEER FLOOR AND LINING APPLIED FLUSH FROM FLOOR TO ROOF.
287 CARS FROM 20000 SERIES } 9-1-37
179 CARS FROM 19000 SERIES }

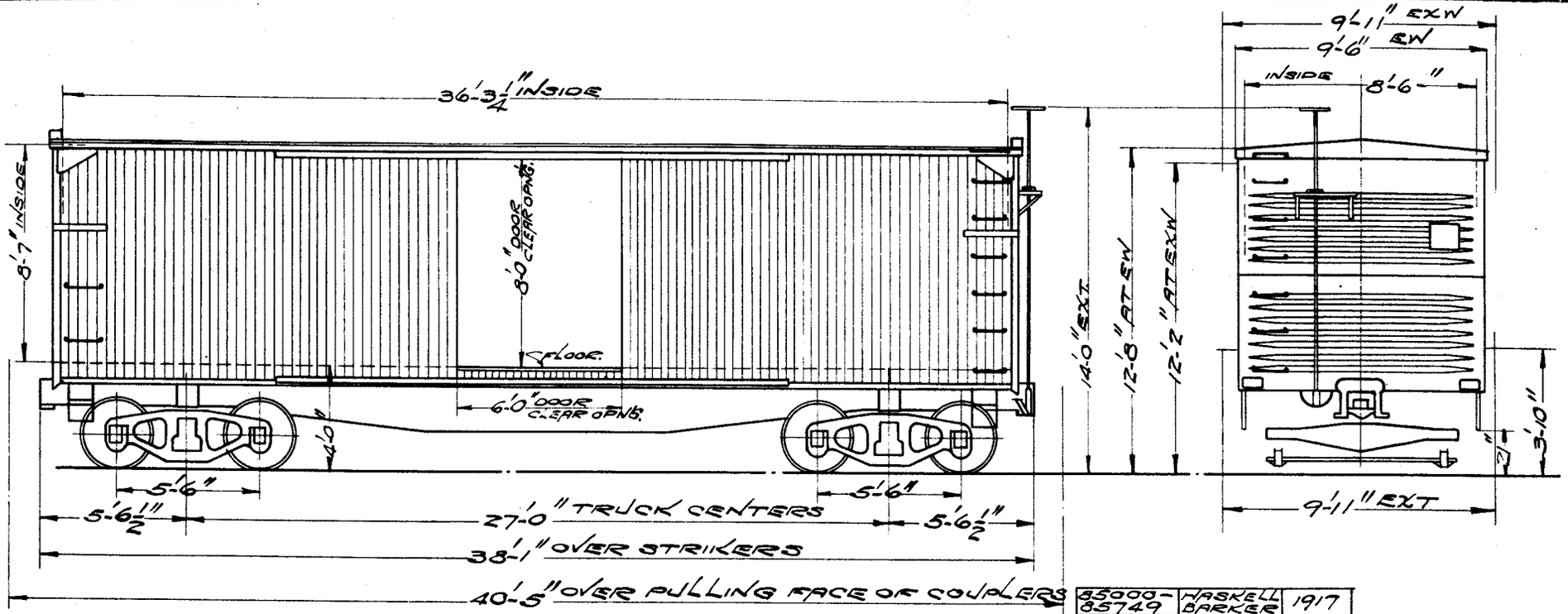
GENERAL DATA			
BUILT BY — I.L.C. CAR & MFG. CO.	CENTER SILL — BUILT UP SHAPES & PLATES	SIDE BEARING CENTERS — 5'-0"	MISCELLANEOUS
YEAR BUILT — 1923, 1924	CENTER SILL AREA — 28.22 SQ. IN. & 25.88	SHEATHING — 13/16" WOOD	NOTE 1
CAPACITY LEVEL FULL CU. FT — 3448	CENTER SILL COVER PLATE — 1/4" X 21"	SUPERSTRUCTURE — WOOD	MINER A-18-S, A-18-S-2, NATIONAL
CAPACITY WITH 10 IN. HEAP CU. FT —	COUPLER — A.R.A. TYPE "D" 6"X8"	UNDERFRAME — BUILT UP STEEL	M-4-A & BRADFORD ROCKER TYPE.
AVERAGE LOAD LIMIT LBS. 89600.	COUPLER RELEASE RIGGING — IMPERIAL TYPE "B"		
AVERAGE LIGHT WEIGHT LBS. 46400.	DOOR — WOOD	TRUCK DATA	NOTE 2
BUILDERS REFERENCE — FROM LOTS 110 & 115.	DOOR FIXTURES — CAMEL NO. 32	BOLSTER — CAST STEEL PAT'T. A911	CRECO 4 POINT & 2"X2"X3/8"
R. R. SPEC. NO.	DOOR CLEAR OPENING — 6'-0" W. 9'-4 1/16" H	K.E. BEAM — A.R.A. NO. 2 DAMASCUS	ANGLE
	DRAFT GEAR — SEE NOTE 1.	BRAKE BEAM SAFETY — SEE NOTE 2	
	DRAFT GEAR ATTACHMENT — FARLOW-2-KEY	CENTER PLATE — CAST INTEGRAL	
	ENDS — MURPHY & HUTCHINS	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO — .044 & .049	JOURNAL — 5"X9"	
AIR BRAKE MFG. — N.Y.A.B. CO.	FLOORING — 1 1/2" & 13/16" YELLOW PINE T.&G.	SIDE BEARING — WOODS PLATE	
AIR BRAKE SCHEDULE — K.C. 1012	GENERAL DRAWING OF CAR NO. 139-11-172, 139-11-177	SIDE FRAME — CAST STEEL	
BODY BOLSTER — BUILT UP STEEL	HAND BRAKE — WHEEL & SHAFT	SPRING — A.R.A. TYPE "C"	
BODY CENTER PLATE — C. STEEL PAT'T. A-646	LIN. END — 1 3/4" T&G	WHEELS — 33" DIA. CAST IRON	
BODY SIDE BEARING — WOOD-TIP ROLLER	LINING SIDE — 13/16" T&G	WEIGHT OF ONE TRUCK — 7200	
CARLINES — PRESSED STEEL	ROOF — HUTCHINS & MURPHY	CENTER PLATE HEIGHT — 2'-1 7/8"	

CLASS	CARS
40 TON BOX	9000-9499

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO DATE 1-6-37

REVISIONS				
N/B				
1-22-38				
3-1-39				
DR	TR	CH	GROUP NO.	SHEET NO.
	J.G.B.	C.M.S.	3	9



CARS	CONVERTED FROM
4000	10446
4001	10108
4002	10210
4003	10365
4004	85722
4005	10368
4006	85222
4007	10409
4008	85329
4009	10241
4010	10126
4011	10043
4012	10381
4013	10443
4014	85333
4015	10829
4016	85058
4017	10095
4018	10803

CARS	BUILT BY	YEAR BUILT
85000-85749	HASKELL BARKER	1917
10000-10999	A.C.&F.	1916

GENERAL DATA

BUILT BY - SEE TABLE
YEAR BUILT - SEE TABLE
CAPACITY LEVEL FULL CU. FT - 2654
CAPACITY WITH 10 IN. HEAP CU. FT.
AVERAGE LOAD LIMIT LBS. - 98200
AVERAGE LIGHT WEIGHT LBS - 37800
BUILDERS REFERENCE
R. R. SPEC. NO.

CAR BODY DATA

AIR BRAKE MFG. - NYAB.CO
AIR BRAKE SCHEDULE - KC-1012
BODY BOLSTER - BUILT UP STEEL
BODY CENTER PLATE - C.S. PATT. A-646
BODY SIDE BEARING - MINER ROLLER & WOODS TIP
CARLINES - PRESSED STEEL

CENTER SILL - BUILT UP SHAPES & PLATES
CENTER SILL AREA - 23.66 SQ. IN.
CENTER SILL COVER PLATE - 1/4" X 20 1/4"
COUPLER - AAR TYPE "D" 5"X7" SHANK
COUPLER RELEASE RIGGING - IMPERIAL
DOOR
DOOR FIXTURES
DOOR CLEAR OPENING 6'-0" W., 8'-0" H
DRAFT GEAR - MINER TANDEM
DRAFT GEAR ATTACHMENT - C.S. YOKE
ENDS - CORR. STEEL
END LOAD RATIO - .057
FLOORING - 13/4"
GENERAL DRAWING OF CAR NO.
HAND BRAKE - WHEEL & SHAFT PLAIN
LINING END - 13/4"
LINING SIDE - 13/16"
ROOF

SIDE BEARING CENTERS - 5'-0"
SHEATHING - 13/16"
SUPERSTRUCTURE - WOOD
UNDERFRAME - STEEL

TRUCK DATA

BOLSTER - CAST STEEL PATT. A11
BRAKE BEAM - NO. 2
BRAKE BEAM SAFETY - 2" X 2" X 3/8" ANGLE
CENTER PLATE - CAST INTEGRAL
GENERAL DRAWING OF TRUCK NO. - 5194-D
JOURNAL - 5" X 9"
SIDE BEARING - MINER ROLLER
SIDE FRAME - C.S. PATT. A-985
SPRING - AAR TYPE "C"
WHEELS - 33" DIA. C. IRON
WEIGHT [illegible] TRUCK
CENTER PLATE HEIGHT - 2'-2"

MISCELLANEOUS

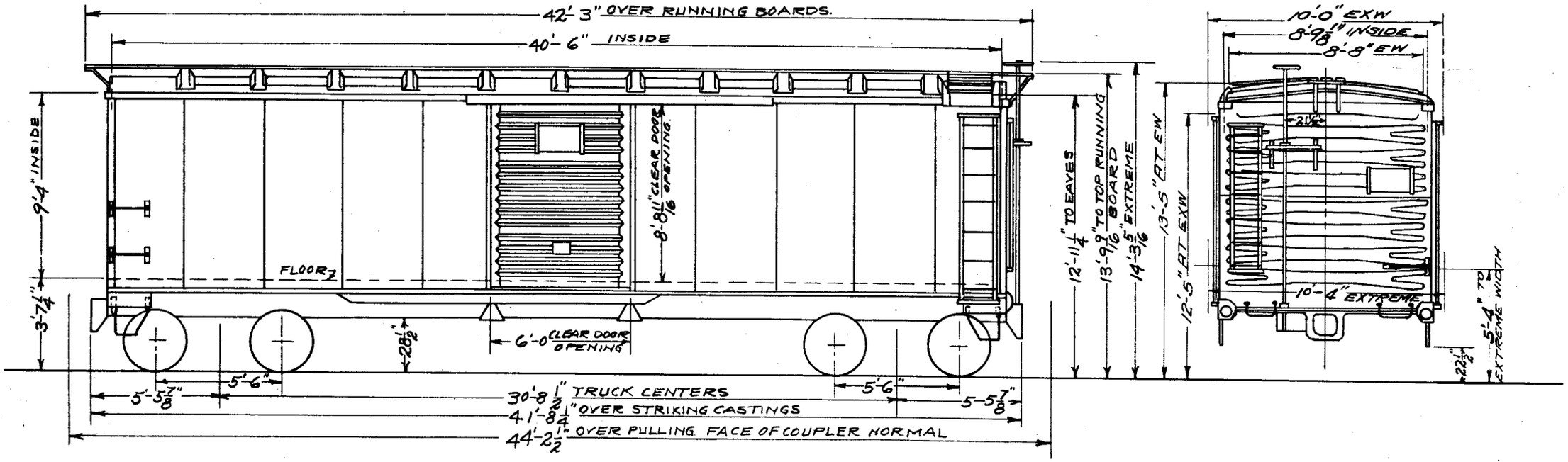
CLASS: 40 TON COKE
CARS: 4000 - 4018

N.K.P.
ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO Nov. 22, 1937

REVISIONS				
A 1-13-39				
DR	TR	CH	GROUP NO.	SHEET NO.
JGB	JGB	CMS	3	10

GROUP NO. 4

50-TON BOX



GENERAL DATA			
BUILT BY PULLMAN	CENTER SILL A.R.A. STD. 40.3# CHAN.	SIDE BEARING CENTERS 4'-2"	MISCELLANEOUS
YEAR BUILT 1934	CENTER SILL AREA 29.815 SQ. IN.	SHEATHING C.B. STEEL PLATES .10" THICK	NOTE-1: CARS 13000-13399 6-ARA
CAPACITY - LBS. 100,000	CENTER SILL COVER PLATE ¼" x 25½"	SUPERSTRUCTURE - STEEL	1915 OUTER COILS. CARS 13400
CAPACITY - CU. FT. - 3311	COUPLER ARA TYPE-E 6¼x8	UNDERFRAME - BUILT UP STEEL	-13499 COIL-ELLIPTIC
AVERAGE LOAD LIMIT - LBS. — 123500	COUPLER RELEASE RIGGING ROTARY BOTT. OPER.		
AVERAGE LIGHT WEIGHT LBS. — 45500	DOOR YOUNGSTOWN	TRUCK DATA	
BUILDERS REFERENCE - LOT NO. 5499.	DOOR FIXTURES CAMEL	BOLSTER CAST STEEL	
R. R. SPEC. NO. 4-CB	DOOR CLEAR OPENING 6'-0" W 8'-8 11/16" H.	BRAKE BEAM A.R.A. NO. 15	
	DRAFT GEAR WAUGH 403	BRAKE BEAM SAFETY CRECO 4 POINT	
	DRAFT GEAR ATTACHMENT C.S. YOKE A.R.A.	CENTER PLATE CAST INTEGRAL	
	ENDS DREADNAUGHT	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO .043	JOURNAL 5½" X 10"	
AIR BRAKE MFG. N.Y.A.B. Co.	FLOORING 1¾" T&G BOARDS Y.P.	SIDE BEARING E.D. S WOODS ROLLER TYPE	
AIR BRAKE SCHEDULE - AB FREIGHT BRAKE	GENERAL DRAWING OF CAR NO. 139-11-209	SIDE FRAME CAST STEEL	
BODY BOLSTER BUILT UP STEEL	HAND BRAKE - WHEEL & SHAFT	SPRING SEE NOTE-1	
BODY CENTER PLATE DROP FORGED	LINING END 13/16" FIR T&G.	WHEELS C.I. 33" 750#	
BODY SIDE BEARING	LINING SIDE 13/16" FIR T&G.	WEIGHT OF ONE TRUCK	
CARLINES PRESSED STEEL	ROOF HUTCHINS		

CLASS	CARS
50 TON BOX	13000-13499

N.K.P.

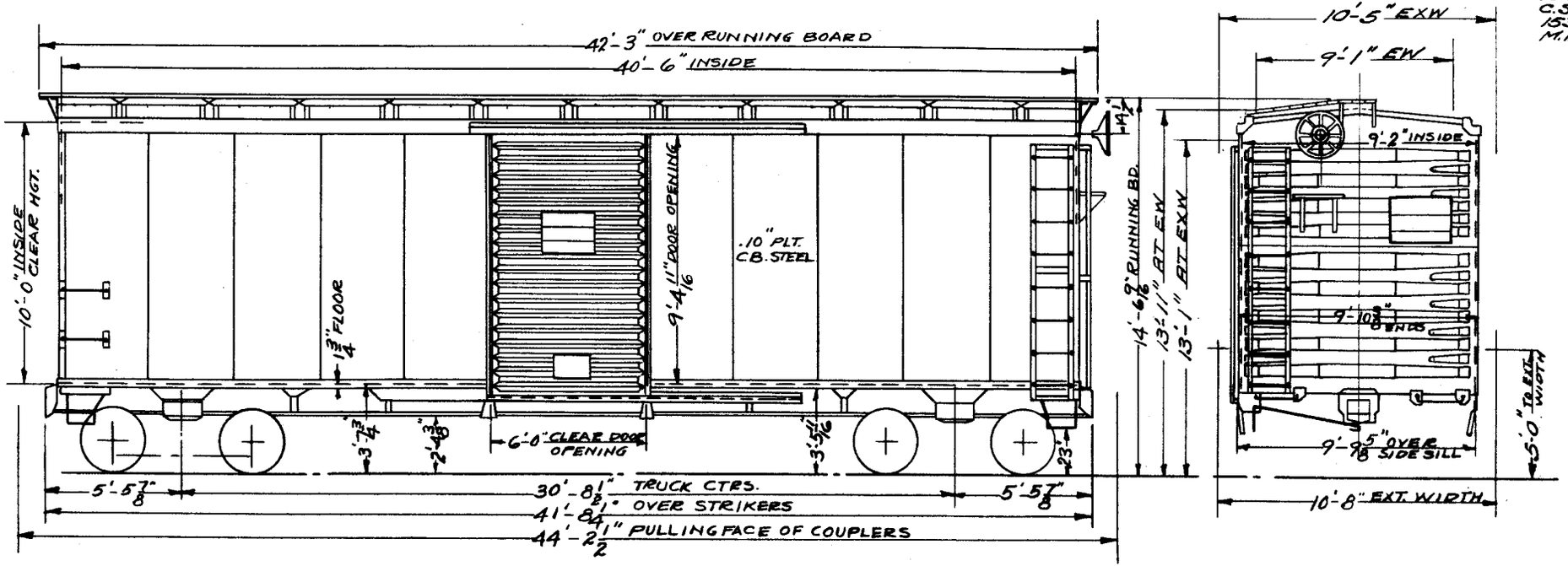
ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JUNE 28, 1934

A.B.
A-12-12-15
1934/1936

REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
L H M	L H M		4	1

NOTE:-1 — BRAKE BEAMS
15000-15124 A.R.R. #15 WITH C.S. HEADS
15125-15249 A.R.R. #15 WITH M.I. HEADS
15250-15374 A.R.R. #15 WITH C.S. HEADS & WEAR PLATES.
15375-15499 A.R.R. #15 WITH M.I. HEADS & WEAR PLATES



GENERAL DATA	
BUILT BY	G.F.C.CO. EAST CHICAGO
YEAR BUILT	OCT. 1936
CAPACITY LEVEL FULL CU. FT.	3713
CAPACITY WITH 10 IN. HEAP CU. FT.	
AVERAGE LOAD LIMIT LBS.	123000
AVERAGE LIGHT WEIGHT LBS.	45200
BUILDERS REFERENCE	BO-2762
R. R. SPEC. NO.	5-CB

CAR BODY DATA	
AIR BRAKE MFG.	N.Y.A.B. CO.
AIR BRAKE SCHEDULE	"AB"
BODY BOLSTER	PRESSED STEEL
BODY CENTER PLATE	D.F.
BODY SIDE BEARING	AXLE STEEL
CARLINES	5/32" QH. STEEL

CENTER SILL	A.R.R. "Z" SECTION
CENTER SILL AREA	21.3 SQ.IN.
CENTER SILL COVER PLATE	
COUPLER	A.R.R. TYPE "E" 6 1/4" X 8" SHANK
COUPLER RELEASE RIGGING	U.M.P.CO. BOTT. OPERATG
DOOR	YOUNGSTOWN STEEL
DOOR FIXTURES	CAMEL BOTTOM HUNG
DOOR CLEAR OPENING	6'-0" W. 9'-4 11/16" H.
DRAFT GEAR	WAUGH 409
DRAFT GEAR ATTACHMENT	A.R.R. C. STEEL YOKE
ENDS	DREADNAUGHT CB STEEL 1/4" BOTT. 3/16" TOP
END LOAD RATIO	.0509
FLOORING	1-3/4" YELLOW PINE T.&G.
GENERAL DRAWING OF CAR NO.	139-11-272
HAND BRAKE	AJAX
LINING END	13/16" FIR
LINING SIDE	13/16" FIR
ROOF	VIKING ALL STEEL U.S. #16 GAUGE

SIDE BEARING CENTERS	4'-2"
SHEATHING	10" CB STEEL
SUPERSTRUCTURE	STEEL
UNDERFRAME	STEEL

TRUCK DATA	
BOLSTER	C. STEEL DOUBLE TRUSS
BRAKE BEAM	SEE NOTE:-1
BRAKE BEAM SAFETY	GRIP NUT CO'S
CENTER PLATE	C. STEEL - INTEGRAL
GENERAL DRAWING OF TRUCK NO.	
JOURNAL	5 1/2" X 10"
SIDE BEARING	STUCKI
SIDE FRAME	DOUBLE TRUSS INTEGRAL BOX
SPRING	A.R.R. 1915-5 COIL & CARDWELL TYPE "A" PACK NEST
WHEELS	SINGLE PLATE CAST IRON
WEIGHT OF ONE TRUCK	7880#

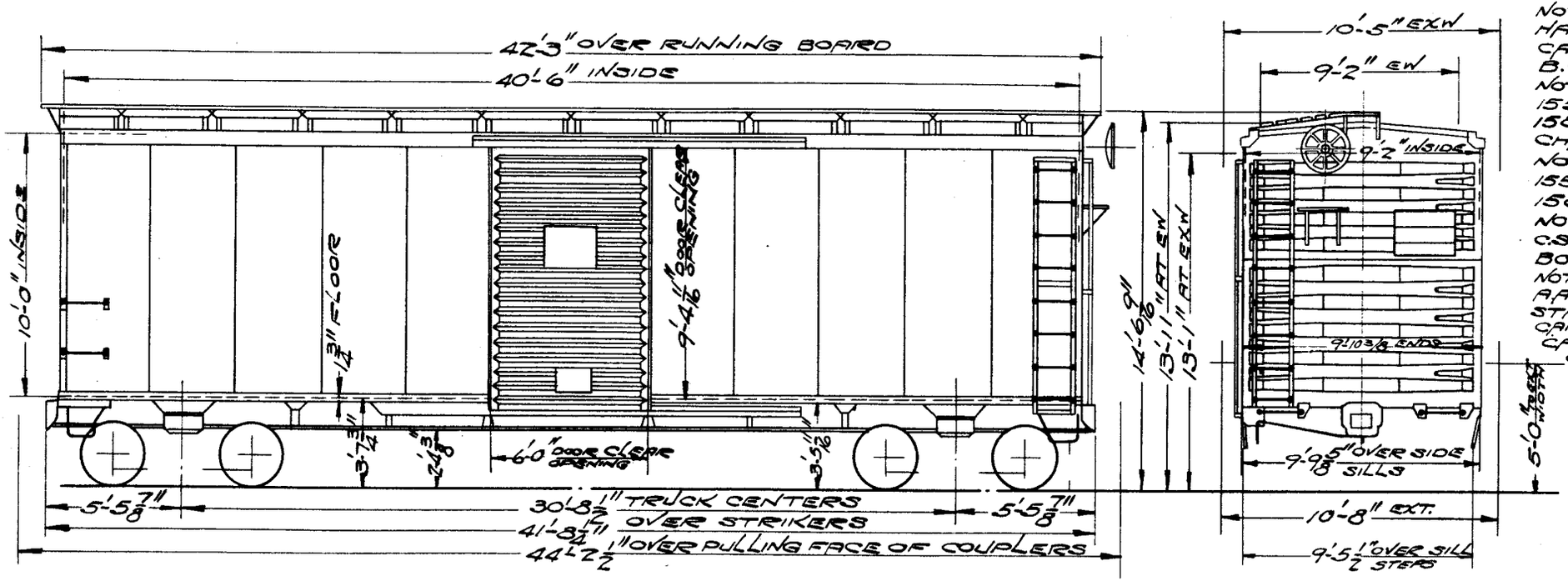
MISCELLANEOUS

CLASS	CARS
50 TON BOX	15000-15499

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO DEC.-15-1936.

REVISIONS				
A 1-20-37				
DR	TR	CH	GROUP NO.	SHEET NO.
L.H.M.	L.H.M.	C.M.S.	4	2



NOTE:-1. CARS 15500-15849 HAVE N.Y.A.B.CO. AIR BRAKES CAR 15850-15999 HAVE W.A.B.CO. AIR BREAKES.
NOTE:-2. HAND BRAKES 15500-15699-AJAX, 15700-15899-EQUIPCO, & 15900-15999 CHAMPION.
NOTE:-3. BRAKE BEAM SAFETY 15500-15799 GRIPNUT CO. 15800-15999 CRECO-4-POINT.
NOTE:-4. SIDE FRAME C.S. DOUBLE TRUSS INTEGRAL BOX TYPE.
NOTE:-5. SPRINGS A.A.R. 1915 COIL 5-OUTER & 1-F-2-A STABILIZER PER NEST ON CARS 15500-15824 CARS 15825-15999 AAR COIL 5-OUTER & 1-C-2-XB STABILIZER PER NEST.

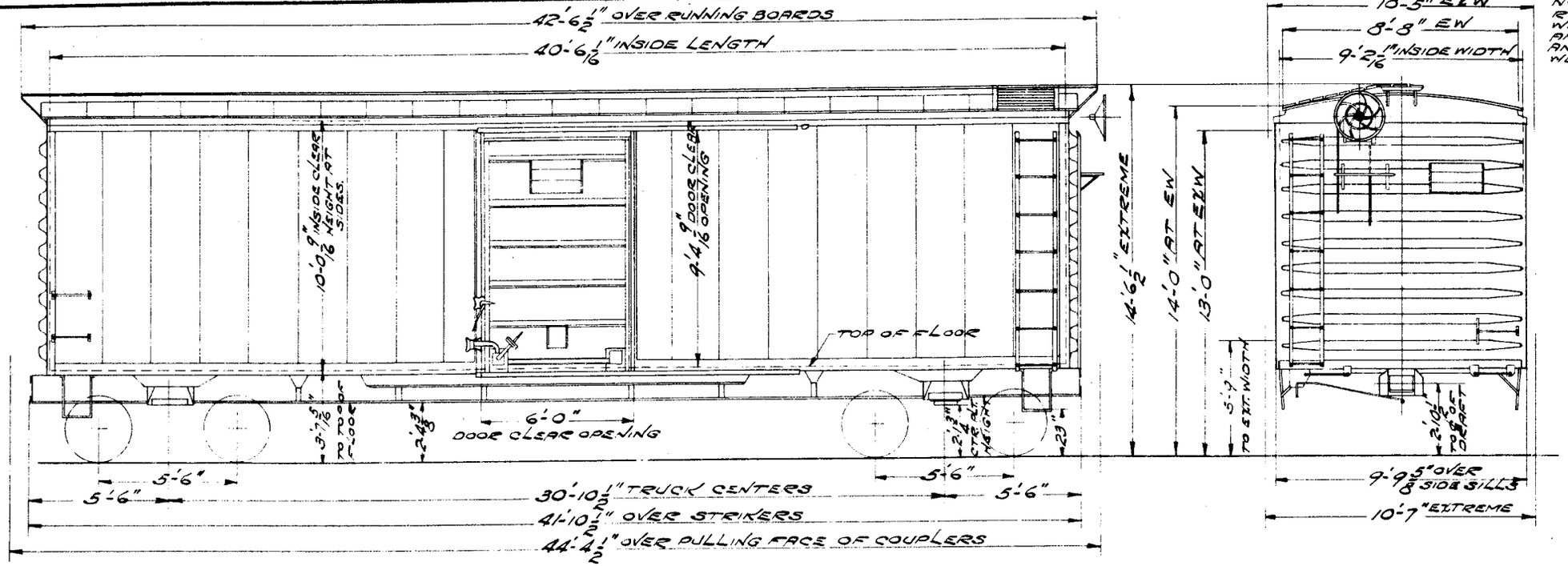
GENERAL DATA				MISCELLANEOUS
BUILT BY — G.A.T. CORP. E. CHICAGO IND.	CENTER SILL — A.A.R. "Z" SEC.	SIDE BEARING CENTERS — 4'-2"		
YEAR BUILT 1937	CENTER SILL AREA — 21.3 SQ. IN.	SHEATHING — 1/10" C.B.S.		
CAPACITY LEVEL FULL CU. FT. — 3713	CENTER SILL COVER PLATE	SUPERSTRUCTURE — STEEL		
CAPACITY WITH 10 IN. HEAP CU. FT.	COUPLER — AAR TYPE "E" 6 1/8" X 8" SHANK	UNDERFRAME — STEEL		
AVERAGE LOAD LIMIT LBS. — 125800	COUPLER RELEASE RIGGING — U.M.P.CO. BOTT. OPER.			
AVERAGE LIGHT WEIGHT LBS. 45200	DOOR — YOUNGSTOWN	TRUCK DATA		
BUILDERS REFERENCE — BO-2779	DOOR FIXTURES — CAMEL	BOLSTER — C.S. DOUBLE TRUSS		
R. R. SPEC. NO. — 5-CB	DOOR CLEAR OPENING — 6'-0" X 9'-4 11/16"	BRAKE BEAM — A.A.R. #15		
	DRAFT GEAR — MINER A-22-XB	BRAKE BEAM SAFETY — SEE NOTE:-3		
	DRAFT GEAR ATTACHMENT — C.S. YOKE	CENTER PLATE — INTEGRAL		
CAR BODY DATA	ENDS — DREADNAUGHT C.B.S. 3/16" TOP 1/4" BOTT.	GENERAL DRAWING OF TRUCK NO. 184-4-48		
AIR BRAKE MFG. — SEE NOTE:-1	END LOAD RATIO — .0509	JOURNAL — 5 1/2" X 10"		
AIR BRAKE SCHEDULE — "AB"	FLOORING — 1 3/4"	SIDE BEARING — POCKET & SHOE		
BODY BOLSTER — BUILT UP STEEL	GENERAL DRAWING OF CAR NO. 139-11-282	SIDE FRAME — SEE NOTE:-4		
BODY CENTER PLATE — DROP FORGED	HAND BRAKE SEE NOTE:-2	SPRING — SEE NOTE:-5		
BODY SIDE BEARING — AXLE STEEL	LINING END — 13/16"	WHEELS — 33" C.I. SINGLE PLATE		
CARLINES — 5/32" O.H.S.	LINING SIDE — 13/16"	WEIGHT OF ONE TRUCK — 7880 #		
	ROOF — VIKING #16 GAUGE	CENTER PLATE HEIGHT — 2'-1 3/4"		

CLASS	CARS
50-TON BOX	15500-15999

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JULY 20, 1937

REVISIONS				
A 1-18-39				
DR	TR	CH	GROUP NO.	SHEET NO.
	JGB.	CMS	4	3



NOTE:-1
ROOF SHEETS .05" THICK, SPOT WELDED TOGETHER. CARLINES ARE AN INTEGRAL PART OF THE SHEETS AND ARE REINFORCED BY SPOT WELDING ON .05" ANGLES.

CARS	AVERAGE LGT WGT	AVERAGE LD. LMT.	WHEELS	TRUCK WEIGHT
20100-20199	38500#	130500#	750# C. IRON PSC & MFG Co.	7680#
20000-20099	38300#	130700#	695# SING. PLT. C.I. P.S.C & MFG Co	7500#

GENERAL DATA

BUILT BY - P.S.C. MFG. CO. MICH. CITY, IND.
YEAR BUILT - JAN. & FEB. 1940
CAPACITY LEVEL FULL CU. FT - 3733
CAPACITY WITH 10 IN. HEAP CU. FT
AVERAGE LOAD LIMIT LBS - SEE TABLE
AVERAGE LIGHT WEIGHT LBS - SEE TABLE
BUILDERS REFERENCE - LOT 5604
R. R. SPEC. NO

CAR BODY DATA

AIR BRAKE MFG - N.Y.A.B. Co.
AIR BRAKE SCHEDULE - "AB"
BODY BOLSTER - 5/16" PRESSED STEEL
BODY CENTER PLATE - DROP FORGED
BODY SIDE BEARING - DROP FORGED
CARLINES: SEE NOTE:-1

CENTER SILL - 2 AAR "Z" SECT. 11/32" THICK
CENTER SILL AREA - 18.4" SQ. IN.
CENTER SILL COVER PLATE
COUPLER - AAR TYPE "E" BOTT. OPER'G.
COUPLER RELEASE RIGGING - STD. RY. EQPT. Co. BOTT. OPER'G.
DOOR - .05" STEEL 7-PANEL
DOOR FIXTURES - CRECO
DOOR CLEAR OPENING - 6'-0" WIDE, 9'-4 9/16" HIGH
DRAFT GEAR - PEERLESS H-1
DRAFT GEAR ATTACHMENT - HI. TENSILE C.S. YOKE
ENDS - CARBUILDERS TYPE 3/16" BOTT. 1/8" TOP
END LOAD RATIO - .057
FLOORING - 1 3/4" YELLOW PINE
GENERAL DRAWING OF CAR NO.
HAND BRAKE - EQUIPCO - VERT. WHEEL
LINING END - 23/32" FIR
LINING SIDE - 23/32" FIR
ROOF - .05" STEEL SEE NOTE:-1

SIDE BEARING CENTERS - 4'-2"
SHEATHING - .05" STEEL
SUPERSTRUCTURE - STEEL
UNDERFRAME - STEEL

TRUCK DATA

BOLSTER - HI-TENSILE C. STEEL
BRAKE BEAM - AAR NO. 15
BRAKE BEAM SAFETY - 3" X 2 1/2" X 1/4" ANGLE
CENTER PLATE - CAST INTEGRAL
GENERAL DRAWING OF TRUCK NO.
JOURNAL - 5 1/2" X 10"
SIDE BEARING - FRICTION TYPE
SIDE FRAME - C.S. DOUBLE TRUSS, INTEGRAL BOX TYPE
SPRING - AAR CLASS "D" 5 OUTER & INNER
WHEELS - SEE TABLE
WEIGHT OF ONE TRUCK - SEE TABLE
CENTER PLATE HEIGHT - 2'-1 3/4"

MISCELLANEOUS

CLASS: 50 TON LGT. WGT. BOX
CARS: 20000-20199

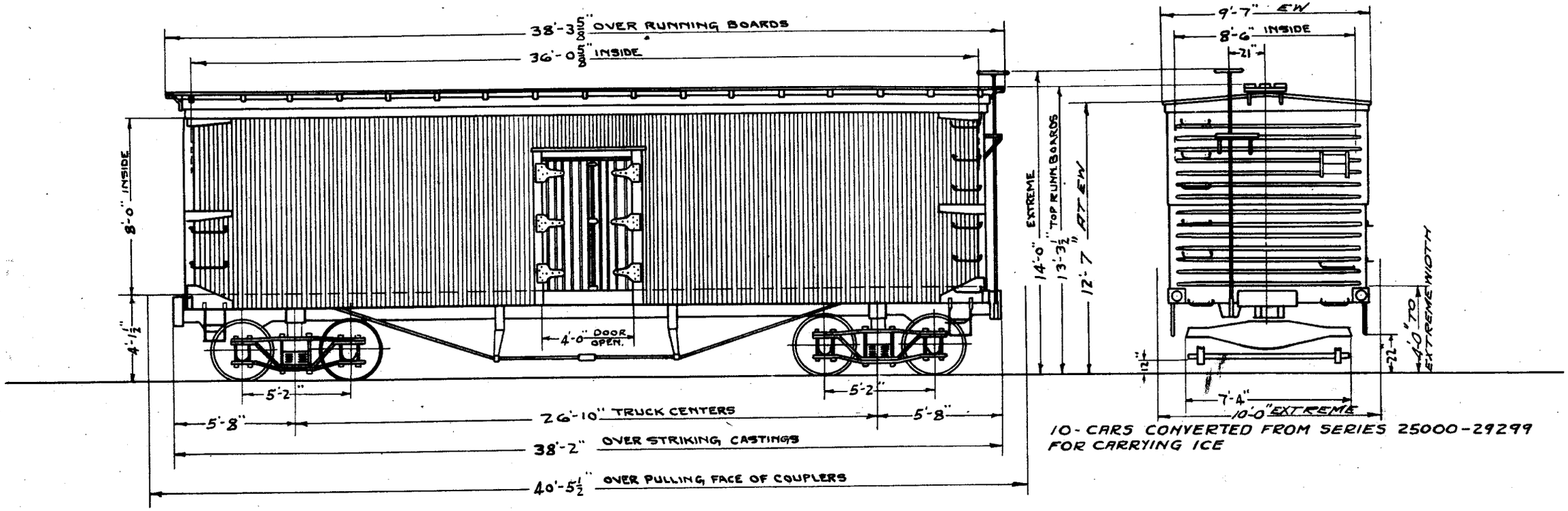
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO FEB. 13, 1940

REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
J.G.B.	J.G.B.	[illegible]	3	11

GROUP NO. 5
BOX ICE & REFRIGERATOR CARS



10-CARS CONVERTED FROM SERIES 25000-29299 FOR CARRYING ICE

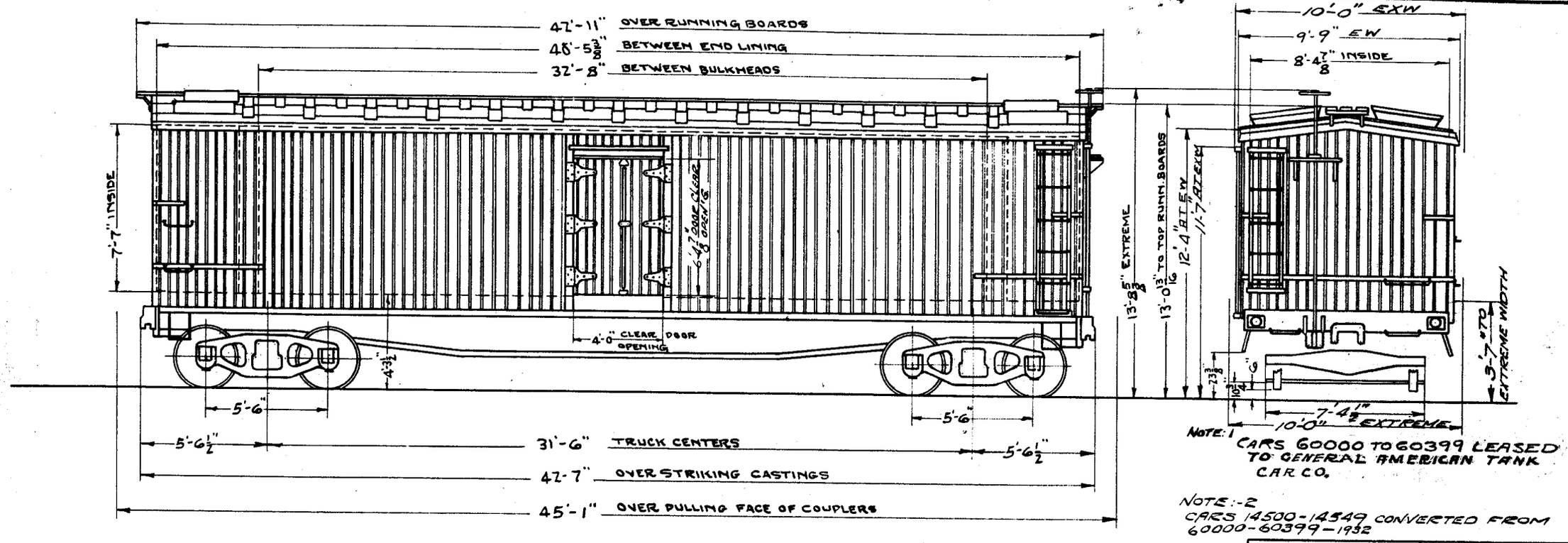
GENERAL DATA			MISCELLANEOUS
BUILT BY – HASKEL & BARKER	CENTER SILL – 2-9" 20# CH. 2-2 1/2 X 2 1/2 X 3/8" ANGLES	SIDE BEARING CENTERS 5'-0"	
YEAR BUILT – 1907	CENTER SILL AREA – 19.81 SQ. IN.	SHEATHING 13/16" T&G	
CAPACITY LEVEL FULL—CU. FT. – 2440	CENTER SILL COVER PLATE 1/4" X 18 1/2"	SUPERSTRUCTURE – WOOD	
CAPACITY – 80000	COUPLER – ARA TYPE-D-5X7	UNDERFRAME – STEEL	
AVERAGE LOAD LIMIT—LBS. – 91400	COUPLER RELEASE RIGGING –		
AVERAGE LIGHT WEIGHT—LBS. – 40600	DOOR – WOOD	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES – MINER	BOLSTER – CAST STEEL PATT. A-923	
R. R. SPEC. NO.	DOOR CLEAR OPENING – 4'-0" W. 6'-4 7/8" H.	BRAKE BEAM – NO. 2	
	DRAFT GEAR – MINER TANDEM	BRAKE BEAM SAFETY 2" X 2" X 3/8" ANGLE	
	DRAFT GEAR ATTACHMENT – C.S. YOKE	CENTER PLATE – CAST STEEL-PATT. A-593	
	ENDS – MURPHY CORR. STEEL	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO – .067	JOURNAL – 5X9	
AIR BRAKE MFG.	FLOORING – 13/4" S.L.	SIDE BEARING –	
AIR BRAKE SCHEDULE	GENERAL DRAWING OF CAR—NO.	SIDE FRAME – ARCH BAR	
BODY BOLSTER – BUILT UP STEEL	HAND BRAKE – WHEEL & SHAFT	SPRING – ARA TYPE CLASS-C	
BODY CENTER PLATE – CAST STEEL-PATT-A-621	LINING END – 13/16" T.&G.	WHEELS – 33" DIA CAST IRON	
BODY SIDE BEARING	LINING SIDE	WEIGHT OF ONE TRUCK	
CARLINES – PRESSED STEEL	ROOF – HUTCHINS		

CLASS	CARS
40 TON BOX ICE	14000-14049

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO MAY. 25. 1933

REVISIONS A	B						
5-6-1936	12-15-1936						
DR	TR	CH	GROUP NO.	SHEET NO.			
C.J.T.	C.J.T.		5	1			



NOTE: 1
CARS 60000 TO 60399 LEASED TO GENERAL AMERICAN TANK CAR CO.

NOTE:-2
CARS 14500-14549 CONVERTED FROM 60000-60399-1932

GENERAL DATA			
BUILT BY - MERCHANTS DESPATCH TRANS. CO.	CENTER SILL - BUILT UP ANGLES AND WEB PLATES	SIDE BEARING CENTERS 4'-0"	MISCELLANEOUS
YEAR BUILT - 1922	CENTER SILL AREA - 25.88 SQ. IN.	SHEATHING - 13/16" - WOOD T&G.	
CAPACITY LEVEL FULL CU. FT. - 2081	CENTER SILL COVER PLATE 1/4" X 21"	SUPERSTRUCTURE - WOOD	
CAPACITY WITH 10 IN. HEAP CU. FT	COUPLER - ARA TYPE "D" 6X8	UNDERFRAME - STEEL - F.B. TYPE	
AVERAGE LOAD LIMIT LBS. - 75300	COUPLER RELEASE RIGGING - IMPERIAL TYPE B		
AVERAGE LIGHT WEIGHT LBS - 56700	DOOR - WOOD	TRUCK DATA	
BUILDERS REFERENCE - LOT. 109	DOOR FIXTURES - W.H. MINER	BOLSTER - CAST STEEL - PATT. A-911	
R. R. SPEC. NO. 376	DOOR CLEAR OPENING - 4'-0" WIDE 6'-4 7/8" HIGH	BRAKE BEAM - NO. 2	
	DRAFT GEAR - MINER A-18-S-2	BRAKE BEAM SAFETY - 4-ANGLES	
	DRAFT GEAR ATTACHMENT - FARLOW 2 KEY	CENTER PLATE - CAST INTEGRAL	
	ENDS - WOOD	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO - .051	JOURNAL 5X9	
AIR BRAKE MFG. - N.Y.A.B. CO.	FLOORING - 2 LAYERS 13/16" X 5 3/4" T&G - 1 LAYER 1 3/4" X 5 3/4" T&G.	SIDE BEARING - STEEL PLATE	
AIR BRAKE SCHEDULE - KC 1012	GENERAL DRAWING OF CAR NO. - 139-11-179	SIDE FRAME - CAST STEEL - PATT. A-985	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - WHEEL & SHAFT - PLAIN	SPRING - ARA STD. TYPE-C	
BODY CENTER PLATE - CAST STEEL PATT. A-646	LINING END 13/16" - WOOD T&G.	WHEELS - 33" DIA. CAST IRON	
BODY SIDE BEARING - WOODS TIP ROLLER	LINING SIDE 13/16" - WOOD T&G.	WEIGHT OF ONE TRUCK	
CARLINES - WOOD	ROOF - MURPHY - XLA TYPE FLEXIBLE	CENTER PLATE HEIGHT 2'-2"	

REFRIG.	60000-60399
REFRIG. ICE	14500-14549
CLASS	CARS

40 TON REFRIGERATOR

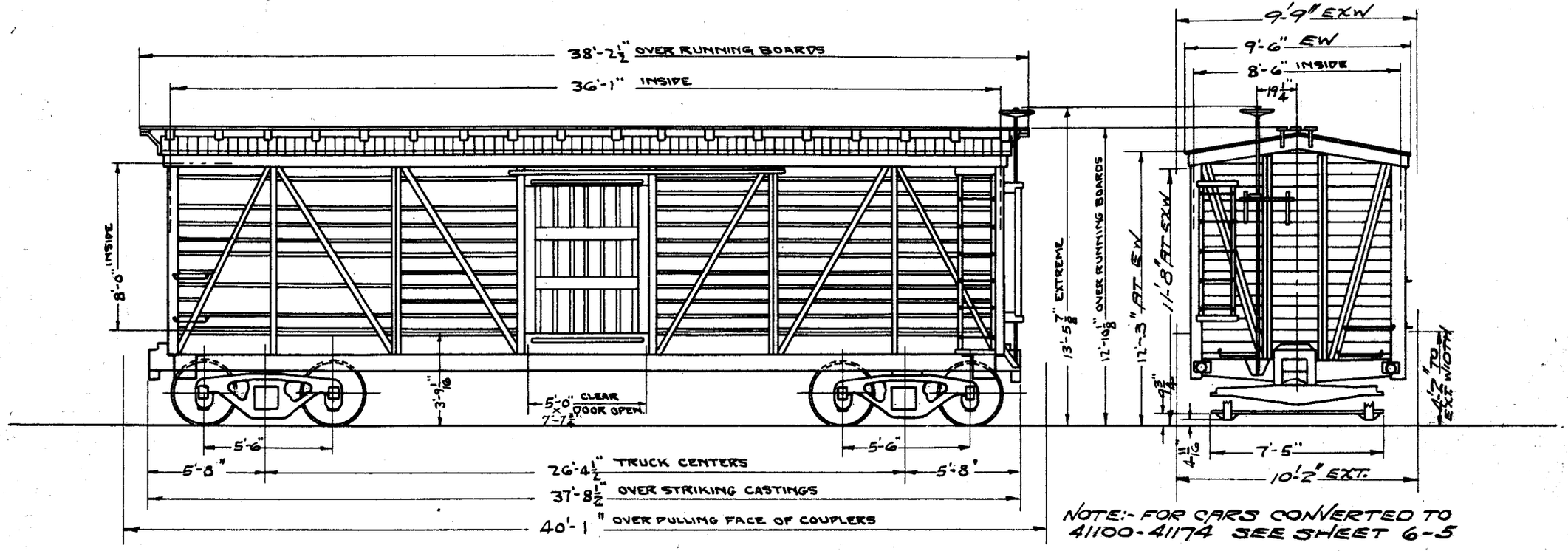
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO APR. 27. 1933

A	B	C	REVISIONS
5/14/36	12/19/36	10-27-38	

DR	TR	CH	GROUP NO.	SHEET NO.
C.J.T.	C.J.T.		5	2

GROUP NO. 6
STOCK CARS



NOTE:- FOR CARS CONVERTED TO 41100-41174 SEE SHEET 6-5

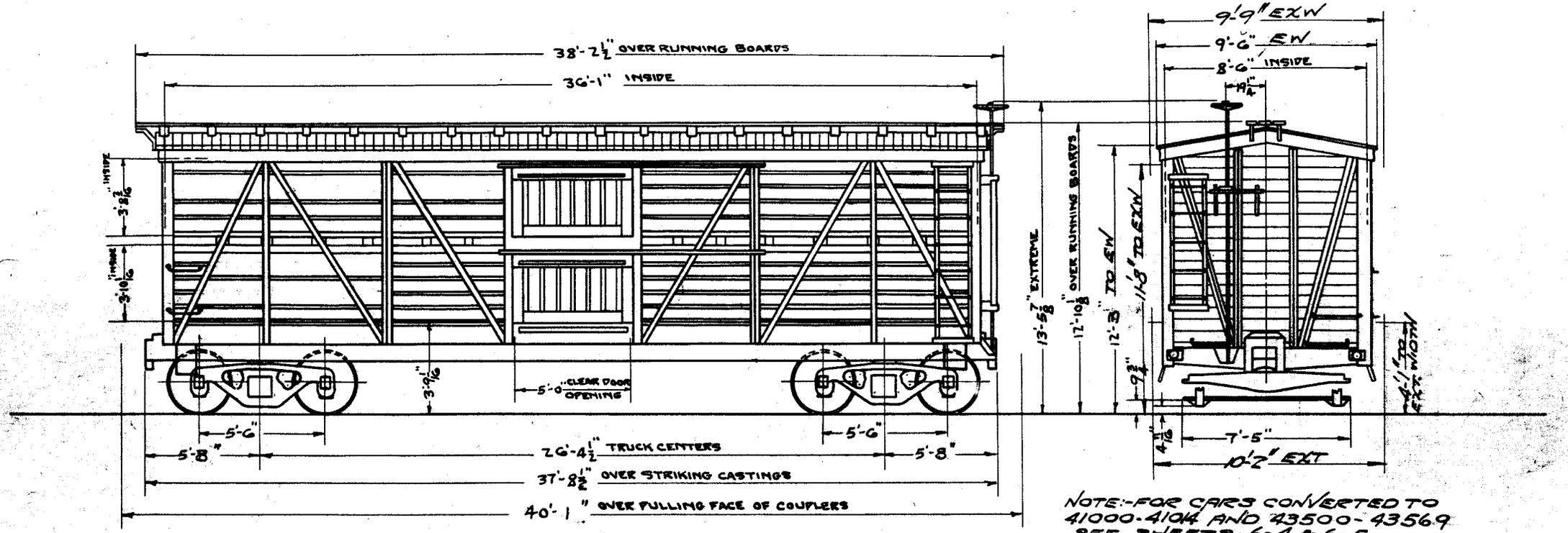
GENERAL DATA			MISCELLANEOUS
BUILT BY ILL. CAR & MFG. CO.	CENTER SILL - 2-12" 25# CH. 2-3½"x3½"x½" ANGLES	SIDE BEARING CENTERS 5'-0"	NOTE-1:-50 TRUCKS FROM SERIES
YEAR BUILT - 1922	CENTER SILL AREA - 26.02 SQ.IN.	SHEATHING - 1" SQ.EDGE SLATS	30000-30749 REPLACED TRUCKS
CAPACITY LEVEL FULL CU. FT. - 2450	CENTER SILL COVER PLATE 19½" X ¼"	SUPERSTRUCTURE - STEEL FRAME	REMOVED & APPLIED TO NEW FLAT
CAPACITY - 80000 LBS.	COUPLER - ARA TYPE "D" 6 X 8	UNDERFRAME - STEEL	CARS 27000-27024.
AVERAGE LOAD LIMIT - LBS. - 97000	COUPLER RELEASE RIGGING - IMPERIAL TYPE "B"		
AVERAGE LIGHT WEIGHT - LBS. - 39000	DOOR ⅞" SQ.EDGE SLATS	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES - CAMEL # 38	BOLSTER - CAST STEEL PATT. A-852	
R. R. SPEC. NO. - 358	DOOR CLEAR OPENING - 5'-0" WIDE - 7'-7¾" HIGH	BRAKE BEAM - No. 2	
	DRAFT GEAR - FARLOW TWIN SPRING	BRAKE BEAM SAFETY - 2"X2"X⅜" ANGLES	
	DRAFT GEAR ATTACHMENT - FARLOW 2 KEY	CENTER PLATE - CAST INTEGRAL	
	ENDS - WOOD & STEEL	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO - .045	JOURNAL 5½ X 10	
AIR BRAKE MFG. - N.Y.A.B. CO.	FLOORING - 1¾" SHIP LAP	SIDE BEARING - STEEL PLATE	
AIR BRAKE SCHEDULE - KC1012	GENERAL DRAWING OF CAR NO. - 139-11-181	SIDE FRAME - CAST STEEL PATT. A-851	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - WHEEL & SHAFT - PLAIN	SPRING ARA STD. TYPE C	
BODY CENTER PLATE - CAST STEEL PATT. A-842	~~SHEATHING~~ END SHEATHING - ¾" BOARDS SHIP LAP	WHEELS - 33" DIA. CAST IRON 30 CARS SINGLE PLATE BALANCE DOUBLE "	
BODY SIDE BEARING - WOODS TIP ROLLER	LINING SIDE ———	WEIGHT OF ONE TRUCK	
CARLINES - PRESSED STEEL	ROOF - 13/16" SINGLE BOARD T. & G.		

CLASS	CARS
40 TON S.D. STOCKCAR	40000-40149

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO APR. 12, 1933

REVISIONS					
RCL D					
TRANSFERRED 11-20					
TRANSFERRED 36-37					
DR	TR	CH	GROUP NO.	SHEET NO.	
C.J.T.	C.J.T.		6	1	



NOTE:-FOR CARS CONVERTED TO 41000-41014 AND 43500-43569 SEE SHEETS 6-4 & 6-5

GENERAL DATA			MISCELLANEOUS
BUILT BY-ILL. CAR & MFG. CO.	CENTER SILL - 2-17" 76# CH. 2-3 1/2" X 3 1/2" X 1/2" ANG.	SIDE BEARING CENTERS - 5'-0"	NOTE-1 CAPY. OF UPPER DECK-1124 CU.FT.
YEAR BUILT - 1922	CENTER SILL AREA 26.02 SQ.IN.	SHEATHING 1" SQ. EDGE SLATS	OF LOWER DECK-1176 CU.FT. TOTAL-2300
CAPACITY LEVEL FULL--CU. FT. SEE NOTE-1	CENTER SILL COVER PLATE 19 1/2" X 1/4"	SUPERSTRUCTURE - STEEL FRAME	NOTE-2- CLEAR OPENING AT UPPER DECK IS
CAPACITY 80000 LBS.	COUPLER - ARA TYPE-D- 6" X 8"	UNDERFRAME - STEEL	5'-0" WIDE 3'-4 1/16" HIGH. AT LOWER DECK IS
AVERAGE LOAD LIMIT--LBS. - 93700	COUPLER RELEASE RIGGING - IMPERIAL TYPE "B"		5'-0" WIDE 3'-6 1/2" HIGH.
AVERAGE LIGHT WEIGHT--LBS. 42300	DOOR 7/8" SQ. EDGE SLATS	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES CAMEL # 38	BOLSTER - CAST STEEL	
R. R. SPEC. NO. - 388	DOOR CLEAR OPENING SEE NOTE-2	BRAKE BEAM - No. 2	
	DRAFT GEAR - FARLOW TWIN SPRING	BRAKE BEAM SAFETY - 2" X 2" X 3/8" ANGLES	
	DRAFT GEAR ATTACHMENT - FARLOW-2 KEY	CENTER PLATE CAST INTEGRAL	
	ENDS - WOOD & STEEL	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO - 0.46	JOURNAL 5 1/2" X 10"	
AIR BRAKE MFG. M.V.A.B. CO.	FLOORING 1 3/4" SHIP LAP - LOWER & UPPER	SIDE BEARING STEEL PLATE	
AIR BRAKE SCHEDULE - KC 1012	GENERAL DRAWING OF CAR--NO. - 139-11-178	SIDE FRAME CAST STEEL PATT. A-851	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - WHEEL & SHAFT - PLAIN	SPRING - ARA TYPE-C-STD.	
BODY CENTER PLATE - CAST STEEL PATT. A-847	END SHEATHING - 1 3/4" BOARDS SHIP LAP	WHEELS - 33 DIA. - CAST IRON	
BODY SIDE BEARING - WOODS TIP ROLLER	LINING SIDE ———	WEIGHT OF ONE TRUCK	
CARLINES - PRESSED STEEL	ROOF - WOOD 13/16" SINGLE BOARD-T. & G.		

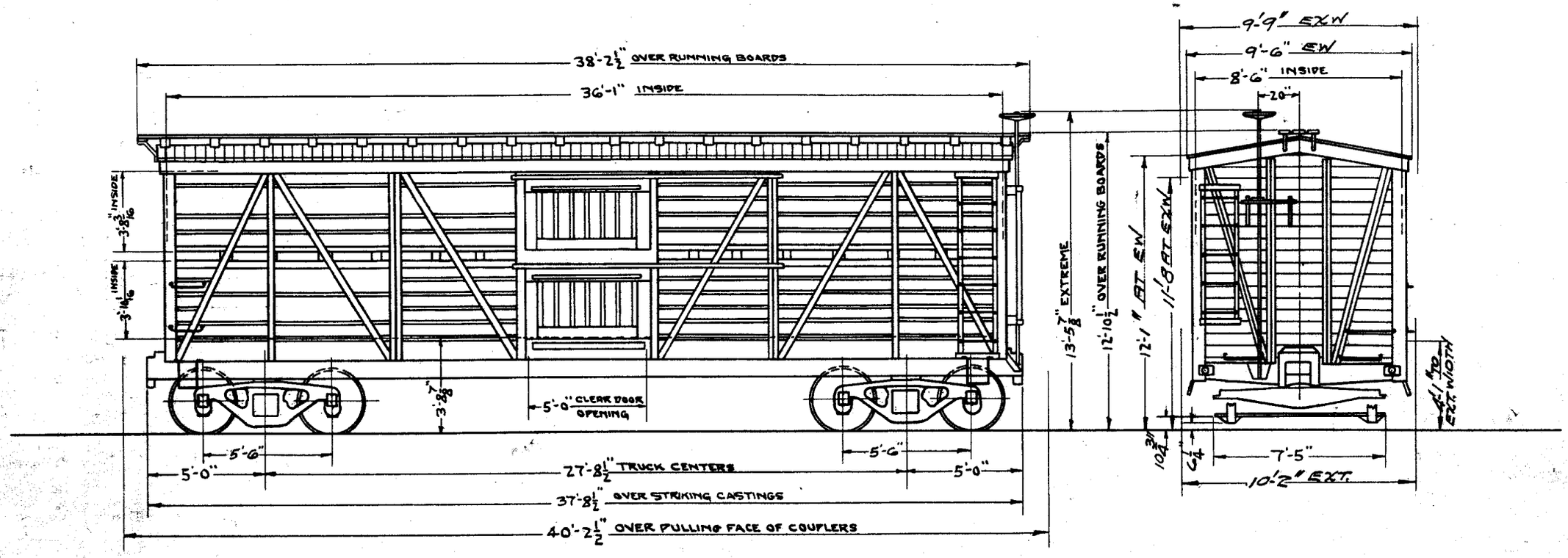
CLASS	42000-42149 CARS
40 TON D.D. STOCK CAR	

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO APR. 10. 1933

REVISIONS C

DR	TR	CH	GROUP NO.	SHEET NO.
C.J.T.	C.J.T.		6	2



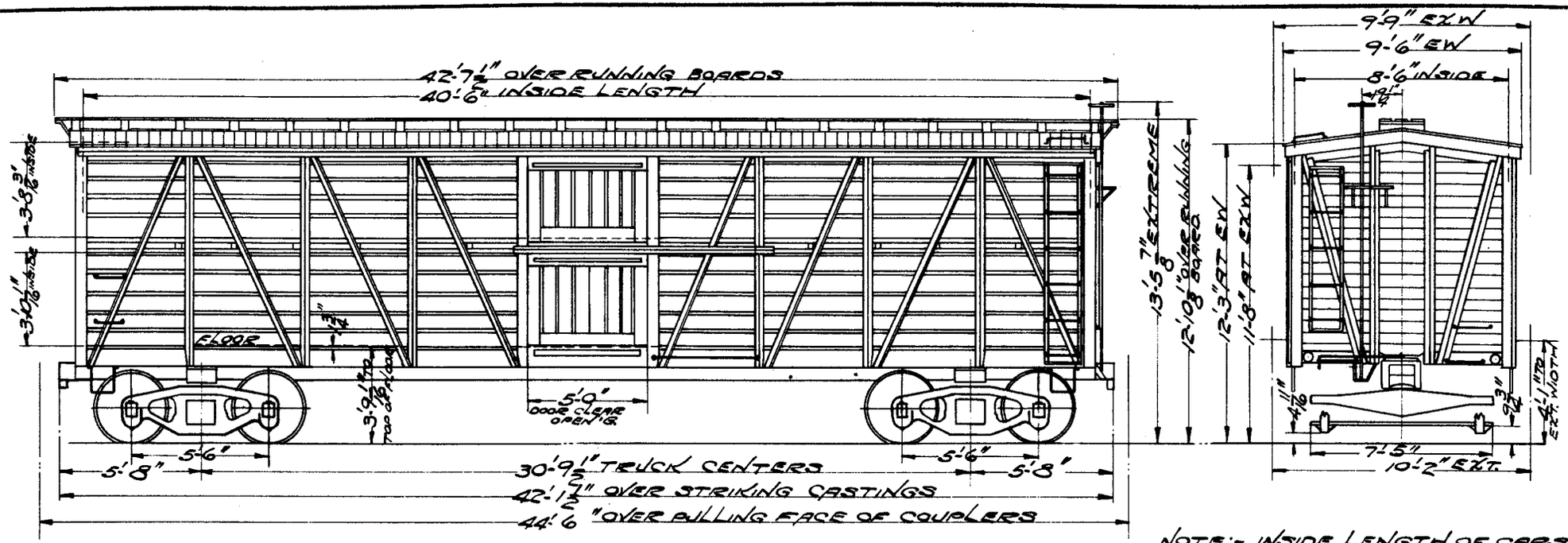
GENERAL DATA			MISCELLANEOUS
BUILT BY GENERAL AMERICAN CAR CO.	CENTER SILL-2-12"-30# CH. 2-3½"X3½"X7/16" ANGLES	SIDE BEARING CENTERS - 5'-0"	NOTE-1 - CAPY. OF UPPER DECK-1124 CU.FT.; OF
YEAR BUILT - 1924	CENTER SILL AREA 28.13 SQ.IN.	SHEATHING - 1" SQ. EDGE SLATS	LOWER DECK-1176 CU.FT TOTAL-2300 CU.FT.
CAPACITY LEVEL FULL - CU. FT. - SEE NOTE-1	CENTER SILL COVER PLATE - 19¼" X ¼"	SUPERSTRUCTURE - STEEL-FRAME	NOTE-2 - CLEAR OPENING AT UPPER DECK IS
CAPACITY - 80000 LBS.	COUPLER - A.R.A. TYPE "D" 6"X8"	UNDERFRAME - STEEL	5'-0" WIDE - 3'-4¼" HIGH. AT LOWER DECK IS
AVERAGE LOAD LIMIT - LBS. - 94600	COUPLER RELEASE RIGGING - IMPERIAL TYPE-B		5'-0" WIDE - 3'-6½" HIGH.
AVERAGE LIGHT WEIGHT - LBS. 41400	DOOR ⅞" SQ. EDGE SLATS	TRUCK DATA	NOTE-3 - CARS 42150-42299 HAVE
BUILDERS REFERENCE - 2597	DOOR FIXTURES - CAMEL No. 38	BOLSTER - CAST STEEL - PATT. A-911	CARDWELL DRAFT GEAR G-25-A - CARS 42300 -
R. R. SPEC. NO. - 375	DOOR CLEAR OPENING - SEE NOTE-2	BRAKE BEAM - No. 2	-42449 HAVE SESSIONS JUMBO TYPE
	DRAFT GEAR - SEE NOTE-3	BRAKE BEAM SAFETY - CRECO 4 POINT	
	DRAFT GEAR ATTACHMENT - VERTICAL C.S. YOKE	CENTER PLATE - CAST INTEGRAL	
	ENDS - WOOD & STEEL	GENERAL DRAWING OF TRUCK NO. 10571-D	
CAR BODY DATA	END LOAD RATIO - .042	JOURNAL 5X9	
AIR BRAKE MFG. - N.Y.A.B. CO.	FLOORING - 1¾" WOOD-SHIP LAP LOWER & UPPER	SIDE BEARING - STEEL PLATE	
AIR BRAKE SCHEDULE - KC 1812	GENERAL DRAWING OF CAR - NO. 139-11-180	SIDE FRAME - CAST STEEL - INT. BOX.	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - WHEEL & SHAFT - PLAIN	SPRING - A.R.A. STD. CLASS-C	
BODY CENTER PLATE - CAST STEEL		WHEELS - 33" DIA. CAST IRON	
BODY SIDE BEARING - WOODS TIP ROLLER	END SHEATHING - 1¾" BOARDS-SHIP LAP	WEIGHT OF ONE TRUCK	
CARLINES - PRESSED STEEL	ROOF - SINGLE BOARD-13/16" T. & G.		

CLASS	CARS
40 TON D.D. STOCK CAR	42150-42449

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO APR. 6. 1933

REVISIONS					
1/11/37 C					
5/20/38 11-20					
1/31/39 97					
DR	TR	CH	GROUP NO.	SHEET NO.	
C.J.T.	C.J.T.		6	3	



NOTE:- INSIDE LENGTH OF CARS 42000-42149 CHANGED FROM 36'-1" TO 40'-6" AND RENUMBERED TO 43500-43569 - 1938

GENERAL DATA	
BUILT BY	ILL. CAR & MFG. CO.
YEAR BUILT	1922 SEE NOTE
CAPACITY LEVEL FULL CU. FT.	SEE NOTE:- 1
CAPACITY WITH 10 IN. HEAP CU. FT.	
AVERAGE LOAD LIMIT LBS.	91500
AVERAGE LIGHT WEIGHT LBS.	44500
BUILDERS REFERENCE	
R. R. SPEC. NO.	358

CAR BODY DATA	
AIR BRAKE MFG.	NYAB CO.
AIR BRAKE SCHEDULE	KC 1012
BODY BOLSTER	BUILT UP STEEL
BODY CENTER PLATE	C. STEEL PATT. A-842
BODY SIDE BEARING	WOOD 3 TIP ROLLER
CARLINES	PRESSED STEEL

CENTER SILL	2-12" 25# CH. 2-3 1/2"X3 1/2"X1/2" ANG.
CENTER SILL AREA	26.02 SQ. IN.
CENTER SILL COVER PLATE	19 1/2" X 1/4"
COUPLER	R.A.R. TYPE "D" 6"X8"
COUPLER RELEASE RIGGING	IMPERIAL TYPE "B"
DOOR	7/8" SQ. EDGE SLATS
DOOR FIXTURES	CAMEL # 33
DOOR CLEAR OPENING	SEE NOTE:- 2
DRAFT GEAR	FARLOW TWIN SPRING
DRAFT GEAR ATTACHMENT	FARLOW 2 KEY
ENDS	WOOD & STEEL
END LOAD RATIO	.045
FLOORING	1 3/4" SHIPLAP LOWER & UPPER
GENERAL DRAWING OF CAR NO.	139-11-289
HAND BRAKE	WHEEL & SHAFT PLAIN
END	SHEATHING-3/4" BOARDS SHIPLAP
LINING SIDE	
ROOF	WOOD 13/16" SINGLE BOARDS T&G

SIDE BEARING CENTERS	5'-0"
SHEATHING	1" SQ. EDGE SLATS
SUPERSTRUCTURE	STEEL FRAME
UNDERFRAME	STEEL

TRUCK DATA	
BOLSTER	CAST STEEL
BRAKE BEAM	NO. 2
BRAKE BEAM SAFETY	2"X2"X3/8" ANGLES
CENTER PLATE	CAST INTEGRAL
GENERAL DRAWING OF TRUCK NO.	
JOURNAL	5 1/2"X10"
SIDE BEARING	STEEL PLATE
SIDE FRAME	C. STEEL PATT. A-851
SPRING	AAR TYPE "C" STD.
WHEELS	33" DIA. C. IRON
WEIGHT OF ONE TRUCK	

MISCELLANEOUS
NOTE:-1 CAPY. UPPER DECK-1268 CU. FT. LOWER DECK 1321 CU. FT.
NOTE: 2 CLEAR OPEN'G. UPPER DECK 5'-0" WIDE 3'-4 1/4" HIGH, LOWER DECK 5'-0" WIDE 3'-6 1/2" HIGH.

CLASS: 40 TON D.D. STOCK CAR

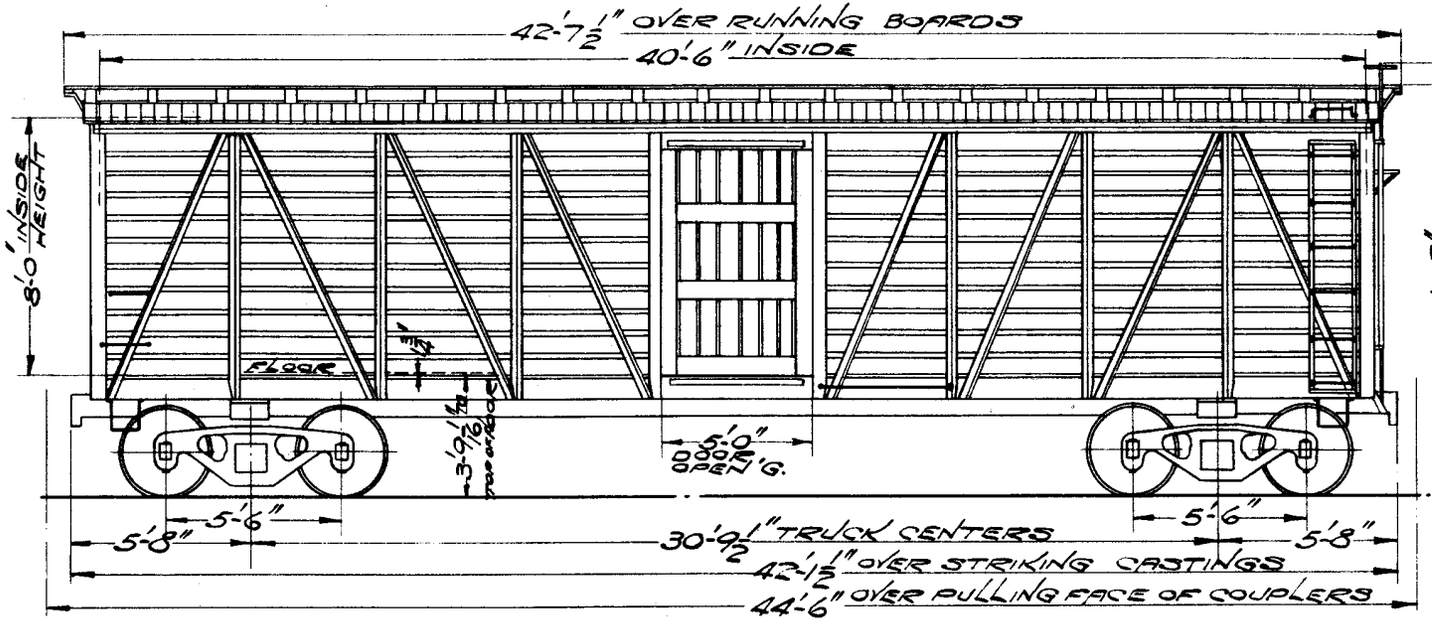
CARS: 43500-43569

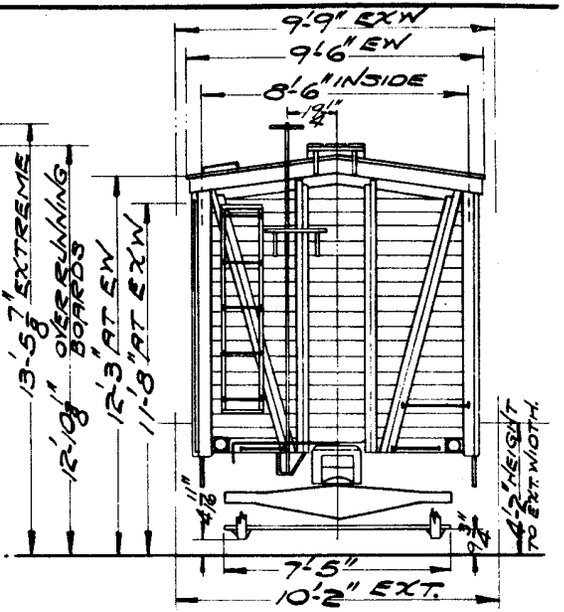
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO MAR. 2, 1938

REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
JGB	JGB	C.M.S.	6	4





NOTE:- INSIDE LENGTH OF CARS 40000-40149 CHANGED FROM 36'-1" TO 40'-6" AND RENUMBERED 41100-41174
CARS FROM 42000-42149 CHANGED TO 41000-41014 - 1938

GENERAL DATA			MISCELLANEOUS
BUILT BY - ILL. CAR & MFG. CO.	CENTER SILL - 2-12" 25# CH / 2-3 1/2" X 3 1/2" X 1/2" ANG.	SIDE BEARING CENTERS - 5'-0"	
YEAR BUILT - 1922	CENTER SILL AREA - 26.02 SQ. IN.	SHEATHING - 1" SQ. EDGE SLATS	
CAPACITY LEVEL FULL CU. FT - 2754	CENTER SILL COVER PLATE - 19 1/2" X 1/4"	SUPERSTRUCTURE - STEEL FRAME	
CAPACITY WITH 10 IN. HEAP CU. FT.	COUPLER - A.A.R. TYPE "D" 6" X 8"	UNDERFRAME - STEEL	
AVERAGE LOAD LIMIT LBS - 95300	COUPLER RELEASE RIGGING - IMPERIAL TYPE "B"		
AVERAGE LIGHT WEIGHT LBS - 40700	DOOR - 7/8" SQ. EDGE SLATS.	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES - CAMEL NO. 38	BOLSTER - C. STEEL PATT. A-852	
R. R. SPEC. NO - 358	DOOR CLEAR OPENING - 5'-0" W, 7'-7 3/4" H	BRAKE BEAM - NO. 2	
	DRAFT GEAR - FARLOW TWIN SPRING.	BRAKE BEAM SAFETY - 2" X 2" X 3/8" ANGLES	
	DRAFT GEAR ATTACHMENT - FARLOW 2 KEY	CENTER PLATE - CAST INTEGRAL	
	ENDS - WOOD & STEEL	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO - .045	JOURNAL - 5 1/2" X 10"	
AIR BRAKE MFG - NYAB CO.	FLOORING - 1 3/4" SHIP LAP	SIDE BEARING - STEEL PLATE	
AIR BRAKE SCHEDULE - KC-1012	GENERAL DRAWING OF CAR NO - 139-11-290	SIDE FRAME - CAST STEEL PATT. 851	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - WHEEL & SHAFT PLAIN	SPRING - A.A.R. STD. TYPE "C"	
BODY CENTER PLATE - C.S. PATT. A-842	END SHEATHING - 1 3/4" BOARDS SHIP LAP	WHEELS - 33" CAST IRON	
BODY SIDE BEARING - WOOD STIP ROLLER	LINING SIDE	WEIGHT OF ONE TRUCK	
CARLINES - PRESSED STEEL	ROOF - 13/16" SINGLE BOARDS T&G		

	41000-41014
	41100-41174
CLASS	CARS

40 TON S.D. STOCK CAR

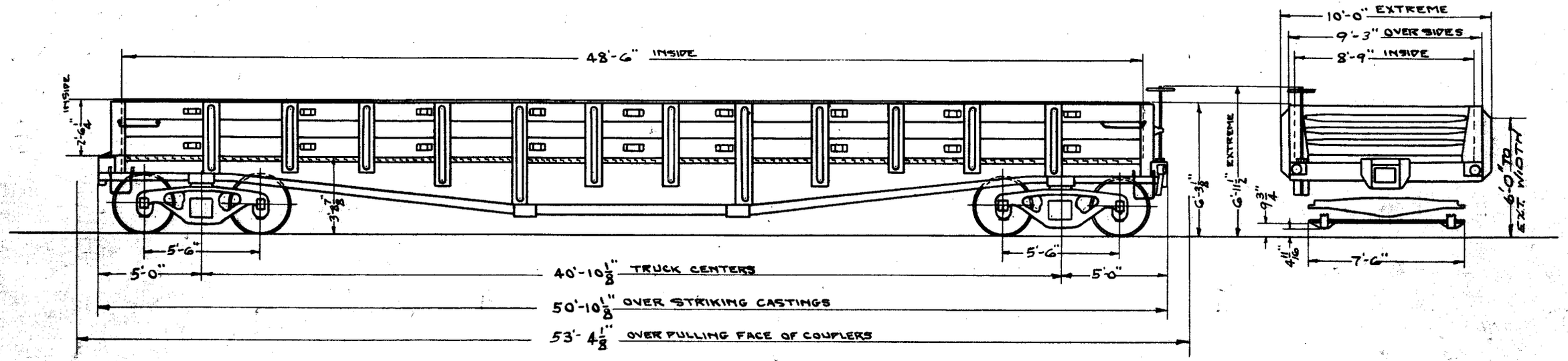
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO MAR. 2, 1938

REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
J.G.B.	J.G.B.	C.M.S.	6	5

GROUP NO. 7
GONDOLA CARS



GENERAL DATA	
BUILT BY	STD. STEEL CAR CO.
YEAR BUILT	1923
CAPACITY LEVEL FULL—CU. FT.	1070
CAPACITY WITH 10 IN. HEAP CU. FT.	1423
AVERAGE LOAD LIMIT—LBS.	119600
AVERAGE LIGHT WEIGHT—LBS.	49400
BUILDERS REFERENCE	
R. R. SPEC. NO.	371

CAR BODY DATA	
AIR BRAKE MFG.	N.Y.A.B.Co.
AIR BRAKE SCHEDULE	KC1012
BODY BOLSTER	BUILT UP STEEL
BODY CENTER PLATE	CAST STEEL PATT. A-995
BODY SIDE BEARING	WOODS TIP ROLLER
CARLINES	

CENTER SILL	BUILT UP PLATES AND ANGLES
CENTER SILL AREA	3849 SQ. IN.
CENTER SILL COVER PLATE	20 1/2" X 7/16"
COUPLER	ARA TYPE "D" 6X8
COUPLER RELEASE RIGGING	IMPERIAL TYPE-B
DOOR	
DOOR FIXTURES	
DOOR CLEAR OPENING	
DRAFT GEAR	MINER A-18-S-2
DRAFT GEAR ATTACHMENT	FARLOW
ENDS	MURPHY DROP ENDS
END LOAD RATIO	.030
FLOORING	2 1/2" SHIP LAP
GENERAL DRAWING OF CAR—NO.	139-11-187
HAND BRAKE	WHEEL & SHAFT-PLAIN
LINING END	
LINING SIDE	
ROOF	

SIDE BEARING CENTERS	5'-0"
SHEATHING	3"X10" SQ. EDGE PLANKS
SUPERSTRUCTURE	COMPOSITE
UNDERFRAME	STEEL-F.S. TYPE

TRUCK DATA	
BOLSTER	CAST STEEL-PATT. A-852
BRAKE BEAM	No. 2 +
BRAKE BEAM SAFETY	CRECO 4 POINT
CENTER PLATE	CAST INTEGRAL
GENERAL DRAWING OF TRUCK NO.	
JOURNAL	5 1/2" X 10"
SIDE BEARING	STEEL PLATE
SIDE FRAME	CAST STEEL-PATT. A-851
SPRING	ARA STD. TYPE-D
WHEELS	33" DIA. CAST IRON
WEIGHT OF ONE TRUCK	

MISCELLANEOUS

CLASS	CARS
50 TON D.E. GONDOLA	70000-70499

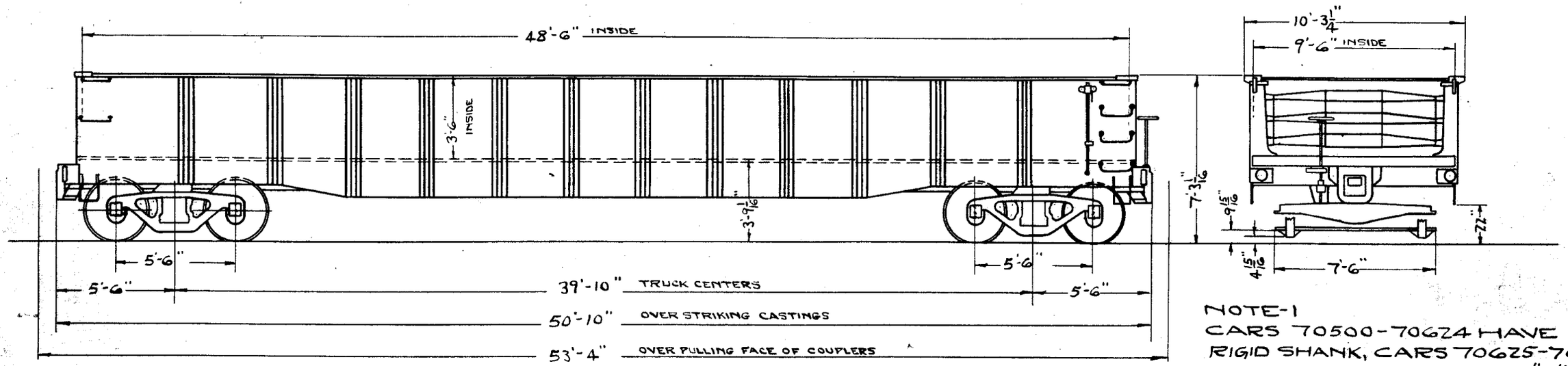
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO APR. 13, 1933

REVISIONS

DR	TR	CH	GROUP No.	SHEET No.
C.J.T.	C.J.T.		7	1

NOTE-2
40 CARS FROM THIS SERIES RENUMBERED 75000 TO 75019 AND TRUCKS REPLACED WITH 70 TON TRUCKS FOR HANDLING DOLOMITE CONTAINERS. SEE SHEET 10-2



NOTE-1
CARS 70500-70624 HAVE 6"X8" RIGID SHANK, CARS 70625-70749 HAVE SWIVEL BUTT. TYPE "D"

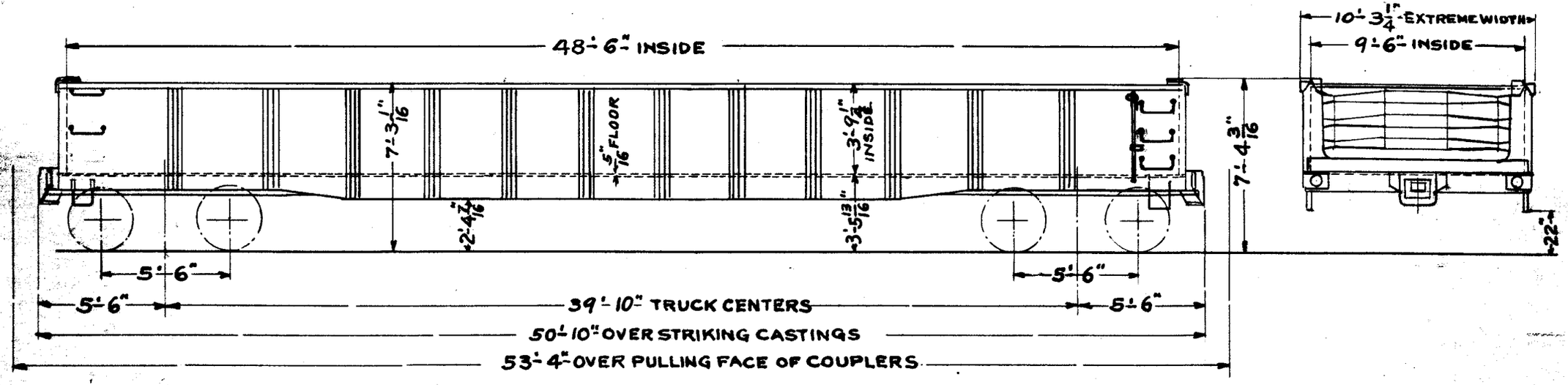
GENERAL DATA			MISCELLANEOUS
BUILT BY RC&F. CO. MADISON, ILL.	CENTER SILL 2-ARA STD. SEC. 12" 40.3#	SIDE BEARING CENTERS 4'-2"	
YEAR BUILT - 1929	CENTER SILL AREA - 29.68 SQ. IN.	SHEATHING —	
CAPACITY LEVEL FULL CU. FT. - 1613	CENTER SILL COVER PLATE 5/16" X 20 1/2"	SUPERSTRUCTURE - STEEL	
CAPACITY WITH 10 IN. HEAP CU. FT. - 1997	COUPLER - SEE NOTE-1	UNDERFRAME - STEEL	
AVERAGE LOAD LIMIT LBS. - 121050	COUPLER RELEASE RIGGING IMPERIAL TYPE "B"		
AVERAGE LIGHT WEIGHT LBS - 47950	DOOR —	TRUCK DATA	
BUILDERS REFERENCE - LOT. NO. 117	DOOR FIXTURES —	BOLSTER - CAST STEEL	
R. R. SPEC. NO. - N.K.P. 394	DOOR CLEAR OPENING —	BRAKE BEAM - ARA NO. 2+	
	DRAFT GEAR FRICTION - DURABLE A-1	BRAKE BEAM SAFETY - CRECO 4 POINT	
	DRAFT GEAR ATTACHMENT - FARLOW	CENTER PLATE - CAST INTEGRAL	
	ENDS - DREADNAUGHT DROP END	GENERAL DRAWING OF TRUCK NO. - 14388-E	
CAR BODY DATA	END LOAD RATIO - .043	JOURNAL 5 1/2" X 10"	
AIR BRAKE MFG. N.Y.A.B. CO.	FLOORING - 2 3/8" YELLOW PINE - S.L.	SIDE BEARING WOODS ROLLER TYPE	
AIR BRAKE SCHEDULE - KC 1012	GENERAL DRAWING OF CAR NO. 139-11-170	SIDE FRAME CAST STEEL	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - URECO - DROP SHAFT	SPRING FROST FRICTION ARA	
BODY CENTER PLATE CAST STEEL	LINING END —	WHEELS 33" DIA. ONE WEAR STEEL	
BODY SIDE BEARING - HARDENED STEEL PLATE	LINING SIDE —	WEIGHT OF ONE TRUCK	
CARLINES —	ROOF —	CENTER PLATE HEIGHT - 2'-2 3/4"	

CLASS	CARS
50 TON D.E. GONDOLA	70500-70749

N.K.P.
ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO MAR. 9. 1933

REVISIONS
B.S. 10-27-30 4-13-38

DR.	TR.	CH.	GROUP NO.	SHEET NO.
C.J.T.	C.J.T.		7	2



GENERAL DATA			MISCELLANEOUS
BUILT BY BETHLEHEM STEEL CO.	CENTER SILL - 2-ARA STD. SEC. 12" 40.3 LBS	SIDE BEARING CENTERS 4'-2"	
YEAR BUILT 1934	CENTER SILL AREA - 30.58 SQ. IN.	SHEATHING —	
CAPACITY LEVEL FULL—CU. FT. - 1737	CENTER SILL COVER PLATE - 5/16" X 19 1/2"	SUPERSTRUCTURE STEEL	
CAPACITY WITH 10 IN. HEAP CU. FT. - 2100	COUPLER TYPE E, SWIVEL SHANK	UNDERFRAME STEEL	
AVERAGE LOAD LIMIT—LBS. 118700	COUPLER RELEASE RIGGING BOTT. OPER.		
AVERAGE LIGHT WEIGHT—LBS. - 50300	DOOR —	TRUCK DATA	
BUILDERS REFERENCE 7343	DOOR FIXTURES —	BOLSTER - CAST STEEL	
R. R. SPEC. NO. A.M.C. - 8-CFBQ	DOOR CLEAR OPENING —	BRAKE BEAM ARA. No. 15	
	DRAFT GEAR CARD. - WEST. HY-11-E	BRAKE BEAM SAFETY 4 POINT SUPPORT DAVIS	
	DRAFT GEAR ATTACHMENT	CENTER PLATE - CAST INTEGRAL	
	ENDS DREADNAUGHT	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO	JOURNAL 5 1/2" X 10"	
AIR BRAKE MFG. N.Y.A.B. Co.	FLOORING STEEL 5/16"	SIDE BEARING WOODS	
AIR BRAKE SCHEDULE TYPE "AB"	GENERAL DRAWING OF CAR NO. - 139-10-232	SIDE FRAME - CAST STEEL	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE MULTI-POWER DROP SHAFT	SPRING ARA. 1915 CLASS "D"	
BODY CENTER PLATE - DROP FORGED	LINING END —	WHEELS - 33" DIA. CAST IRON	
BODY SIDE BEARING - HARDENED STEEL PLATE	LINING SIDE —	WEIGHT OF ONE TRUCK 7780	
CARLINES —	ROOF —		

CLASS	CARS 71000-71674
50 TON D.E. GONDOLA	

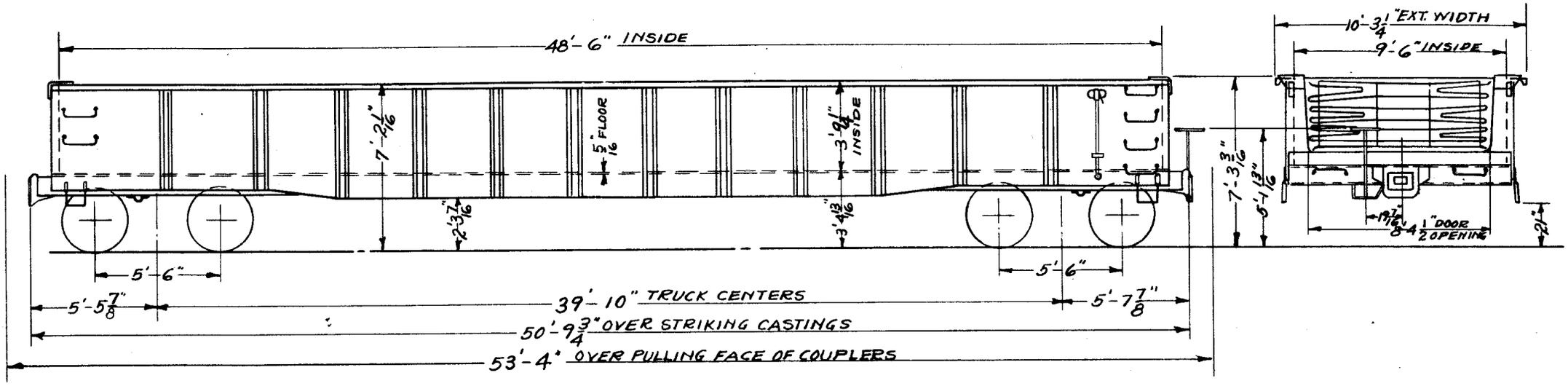
N.K.P.

ADVISORY MECHANICAL COMMITTEE

CLEVELAND, OHIO JUNE 29, 1934

C/D	REVISIONS			
17/25 11/15 11-20				
12/27 12/28 1/12 37				
DR	TR	CH	GROUP NO.	SHEET NO.
L.H.M.	L.H.B.		7	3

NOTE:- 1- 71675-71774 A.A.R. #15 WITH C. STEEL HEADS.
71775-71874 A.A.R. WITH M.I. HEADS & WEAR PLATES



GENERAL DATA			
BUILT BY — BETH. S. CO. JOHNSTOWN PA.	CENTER SILL — A.A.R. 40.3# CHANNEL	SIDE BEARING CENTERS — 4'-2"	MISCELLANEOUS
YEAR BUILT SEPT. 1936	CENTER SILL AREA — 30.75 SQ. IN.	SHEATHING	
CAPACITY LEVEL FULL CU. FT. — 1737	CENTER SILL COVER PLATE - 3/8" x 19 1/2"	SUPERSTRUCTURE — STEEL	
CAPACITY WITH 10 IN. HEAP CU. FT. — 2100	COUPLER — A.A.R. TYPE "E" C.S. 6 1/4" X 8" SHANK	UNDERFRAME — STEEL	
AVERAGE LOAD LIMIT LBS. — 118900	COUPLER RELEASE RIGGING — U.M.P. CO. BOTT. OPERAT'G.		
AVERAGE LIGHT WEIGHT LBS. — 50100	DOOR	TRUCK DATA	
BUILDERS REFERENCE — DF 8389	DOOR FIXTURES	BOLSTER — C.S. DOUBLE TRUSS	
R. R. SPEC. NO. — 10-CF86	71675-71774 - PEERLESS M-1 DRAFT GEAR 71775-71874 - NATIONAL M-17-A	BRAKE BEAM — SEE NOTE:- 1.	
		BRAKE BEAM SAFETY — CRECO 4 POINT	
	DRAFT GEAR ATTACHMENT — A.A.R. C. STEEL YOKE	CENTER PLATE — C.S. INTEGRAL	
	ENDS — DREADNAUGHT 5/16" C.B. STEEL	GENERAL DRAWING OF TRUCK NO. 184-4-78	
CAR BODY DATA	END LOAD RATIO - .0431	JOURNAL — 5 1/2" X 10"	
AIR BRAKE MFG. — N.Y.A.B. CO	FLOORING - 5/16" STEEL.	SIDE BEARING — STUCKI	
AIR BRAKE SCHEDULE — "AB"	GENERAL DRAWING OF CAR NO. 139-9-265	SIDE FRAME — C.S. DOUBLE TRUSS INTEGRAL BOX TYPE	
BODY BOLSTER — PRESSED STEEL	HAND BRAKE — UNIVERSAL MULTI-POWER	SPRING — A.A.R. 1915 6 OUTER & 4 INNER PER NEST	
BODY CENTER PLATE — D.F.	LINING END	WHEELS — SINGLE PLATE C. IRON	
BODY SIDE BEARING — AXLE STEEL	LINING SIDE — 1/4" C.B. STEEL	WEIGHT OF ONE TRUCK — 7980 #	
CARLINES	ROOF		

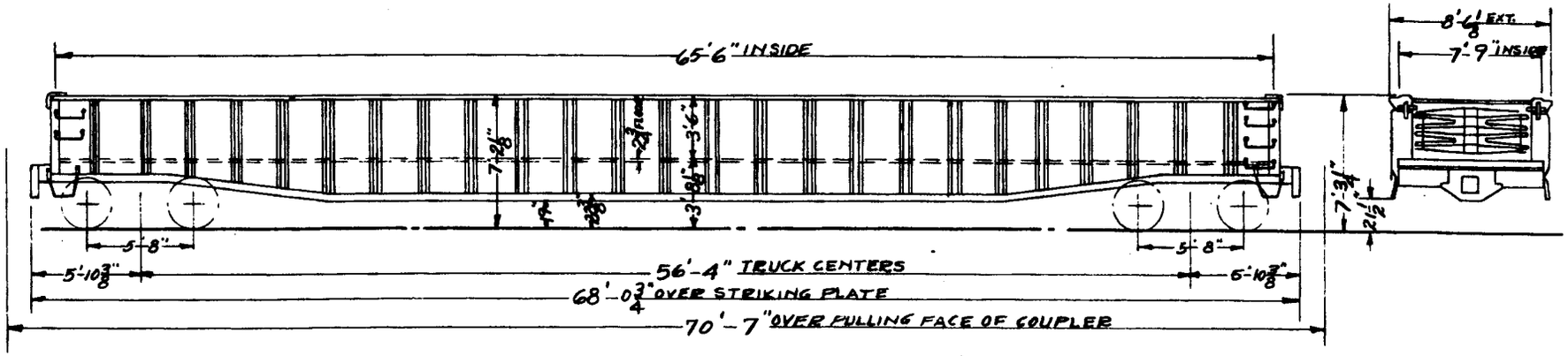
CLASS	71675 – 71874 CARS
50 TON D.E. GONDOLA	

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO DEC.-15-1936.

REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
L.H.M.	L.H.M.	C.M.S.	7	4



GENERAL DATA				MISCELLANEOUS
BUILT BY – BETHLEHEM-JOHNSTOWN, PA.	CENTER SILL – BUILT UP STEEL.	SIDE BEARING CENTERS – 4'-2"		
YEAR BUILT – NOV. 1936.	CENTER SILL AREA – 48.73 SQ. IN.	SHEATHING – 1/4" C.B. STEEL.		
CAPACITY LEVEL FULL CU. FT. – 1776.	CENTER SILL COVER PLATE – 3/8" X 26".	SUPERSTRUCTURE – STEEL.		
CAPACITY WITH 10 IN. HEAP CU. FT. – 2199.	COUPLER – A.R.A. TYPE "E" 6 1/4" X 8" SHANK.	UNDERFRAME – BUILT UP F.B. TYPE.		
AVERAGE LOAD LIMIT LBS – 143100.	COUPLER RELEASE RIGGING – U.M.P.Co. BOTT. OPERATING.			
AVERAGE LIGHT WEIGHT LBS – 66900.	DOOR	TRUCK DATA		
BUILDERS REFERENCE – DF-8391.	DOOR FIXTURES	BOLSTER – C.S. DOUBLE TRUSS.		
R. R. SPEC. NO. – 11-CFBG.	DOOR CLEAR OPENING	BRAKE BEAM – A.R.R. NO. 3, MALL. HEADS WITH STEEL WEAR PLTS.		
	DRAFT GEAR – NATIONAL M-17-A.	BRAKE BEAM SAFETY – CRECO-4-POINT.		
	DRAFT GEAR ATTACHMENT – A.R.R. C.S. YOKE.	CENTER PLATE – C.S. INTEGRAL.		
	ENDS – 5/16" DREADNAUGHT C.B. STEEL.	GENERAL DRAWING OF TRUCK NO.		
CAR BODY DATA	END LOAD RATIO – .0395	JOURNAL – 6"X11"		
AIR BRAKE MFG – N.Y.A.B.Co	FLOORING – 2 3/4"	SIDE BEARING – STUCKI.		
AIR BRAKE SCHEDULE – "AB"	GENERAL DRAWING OF CAR NO.	SIDE FRAME – C.S. DOUBLE TRUSS INTEGRAL BOX.		
BODY BOLSTER – BUILT UP STEEL.	HAND BRAKE – UNIVERSAL MULTI-POWER DROP SHAFT.	SPRING – A.R.R. 1915 COIL-7-INNER & 7-OUTER PER NEST.		
BODY CENTER PLATE – D-FORGED.	LINING END	WHEELS – W.S. MULTIPLE WEAR.		
BODY SIDE BEARING – AXLE STEEL.	LINING SIDE	WEIGHT OF ONE TRUCK – 9250#		
CARLINES	ROOF			

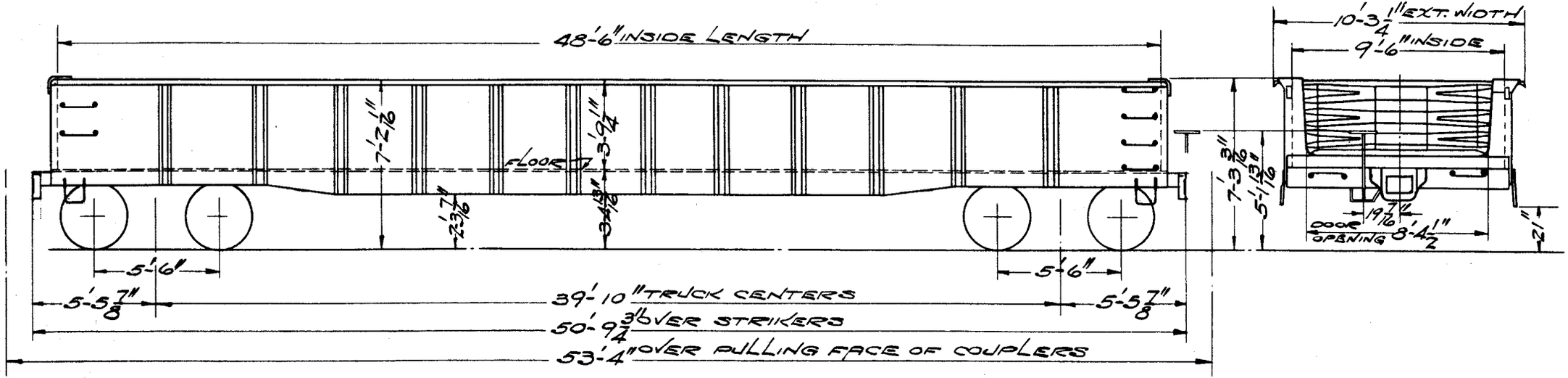
CLASS	CARS
70 TON D.E. GONDOLA	65000-65024

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO DEC.-15-1936

REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
L.H.M.	L.H.M.	C.M.S.	7	5



CARS	BUILT BY	YEAR BUILT	AVERAGE LD. LMT.	AVERAGE LGT. WGT.	BUILDERS REFERENCE	AIR BRAKE MFGR.	DRAFT GEAR	HAND BRAKE	BRAKE BEAM SAFETY	WHEELS	TRUCK WGT.
72625-72824	G.A.T. CORP. E. CHICAGO IND.				LOT 2033	W.A.B. Co.	NATIONAL M-17-A	UNIVERSAL DROP SHAFT	GRECO 4 POINT	33" DIA. CNE WEAR WRGT STEEL	
72375-72624	P.S.C. MFG. Co. MICH. CITY IND.				LOT 5634	N.Y.A.B. Co	MINER A-22-28	EQUIPCO DROP SHAFT	GRIP NUT Co.	33" DIA. C. IRON SINGLE PLT. 750#	
72125-72374	A.C. & F. Co.	APRIL & MAY 1937	119000	50000	LOT 1641	W.A.B. Co.	NATIONAL M-17-A	GRECO DROP SHAFT	DAVIS 4 POINT	33" DIA. C. IRON SINGLE PLT. 750#	7850#
71875-72124	BEWICK PA.						WESTINGHOUSE NY-11-E	UNIVERSAL DROP SHAFT	GRIP NUT Co.		

GENERAL DATA	
BUILT BY —	SEE TABLE
YEAR BUILT —	SEE TABLE
CAPACITY LEVEL FULL — CU. FT. —	1737
CAPACITY WITH 10 IN. HEAP CU. FT. —	2100
AVERAGE LOAD LIMIT LBS. —	SEE TABLE
AVERAGE LIGHT WEIGHT LBS. —	SEE TABLE
BUILDERS REFERENCE —	SEE TABLE
R. R. SPEC. NO. —	10 OF BG.

CAR BODY DATA	
AIR BRAKE MFG. —	SEE TABLE
AIR BRAKE SCHEDULE —	"AB"
BODY BOLSTER —	BUILT UP STEEL
BODY CENTER PLATE —	DROP FORGED
BODY SIDE BEARING —	AXLE STEEL
CARLINES —	

CENTER SILL —	AAR 12" 40.5 CHANN.
CENTER SILL AREA —	30.75 SQ. IN.
CENTER SILL COVER PLATE —	3/8" X 19 1/2"
COUPLER —	AAR TYPE "E" 6 1/4" X 8" SHANK
COUPLER RELEASE RIGGING	STD. RY. EQPT. Co. BOTT. OPER'T'G
DOOR —	
DOOR FIXTURES —	
DOOR CLEAR OPENING —	
DRAFT GEAR —	SEE TABLE
DRAFT GEAR ATTACHMENT —	C.S. YOKE
ENDS —	5/16" C.B.S. DREADNAUGHT
END LOAD RATIO —	.0451
FLOORING —	5/16" C.B.S.
GENERAL DRAWING OF CAR NO.	139-11-285
HAND BRAKE —	SEE TABLE
LINING END —	
LINING SIDE —	
ROOF —	

SIDE BEARING CENTERS —	4'-2"
SHEATHING —	1/4" C.B.S.
SUPERSTRUCTURE —	STEEL
UNDERFRAME —	STEEL

TRUCK DATA	
BOLSTER —	C.S. DOUBLE TRUSS
BRAKE BEAM —	A.A.R. No. 15
BRAKE BEAM SAFETY —	SEE TABLE
CENTER PLATE —	C.S. INTEGRAL
GENERAL DRAWING OF TRUCK NO.	184-4-78
JOURNAL —	5 1/2" X 10"
SIDE BEARING —	POCKET & SHOE
SIDE FRAME —	DOUBLE TRUSS INTEGRAL BOLT
SPRING —	AAR 1915 COIL 6 OUTER 4 INNER PER NEST
WHEELS —	SEE TABLE
WEIGHT OF ONE TRUCK —	SEE TABLE
CENTER PLATE HEIGHT —	2'-1 3/4"

MISCELLANEOUS

CLASS	CARS
50 TON D.E. GONDOLA	71875-72824

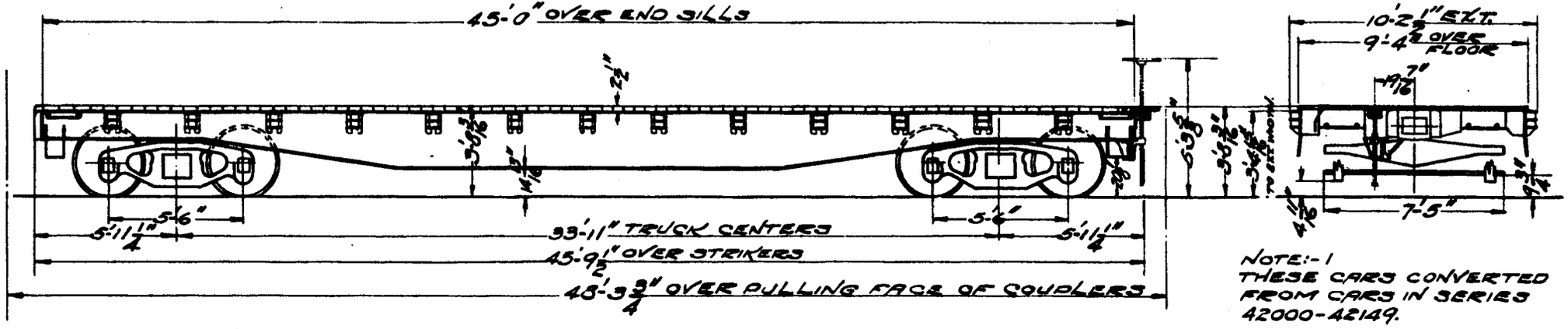
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JULY 14, 1937

REVISIONS: F. 4-1-39 A. 8-7-40

DR	TR	CH	GROUP No.	SHEET No.
	JGB	CMS	7	6

GROUP NO. 8
FLAT CARS



NOTE:-1
THESE CARS CONVERTED FROM CARS IN SERIES 42000-42149.

GENERAL DATA			
BUILT BY- ILL. CAR & MFG. CO.	CENTER SILL- 2-12" 25# CHAN. & 7/16" 13 1/2" x 13 1/2" PL.	SIDE BEARING CENTERS — 3'-0"	MISCELLANEOUS
YEAR BUILT- 1922 CONVERTED 1939	CENTER SILL AREA — 28.64 SQ. IN.	SHEATHING	
CAPACITY LEVEL FULL CU. FT	CENTER SILL COVER PLATE — 20" X 3/8"	SUPERSTRUCTURE	
CAPACITY WITH 10 IN. HEAP CU. FT	COUPLER — A.A.R. TYPE "D" 6" X 8" SHANK	UNDERFRAME — STEEL	
AVERAGE LOAD LIMIT LBS. 92,500 #	COUPLER RELEASE RIGGING — TOP OPERATING.		
AVERAGE LIGHT WEIGHT LBS 43,500 #	DOOR	**TRUCK DATA**	
BUILDERS REFERENCE	DOOR FIXTURES	BOLSTER — CAST STEEL PATT. A-852	
R. R. SPEC NO.	DOOR CLEAR OPENING	BRAKE BEAM — NO. 2	
	DRAFT GEAR — MINER A-18-S-2	BRAKE BEAM SAFETY — 3 1/2" x 3/8" ANGLES	
	DRAFT GEAR ATTACHMENT — C.S. YOKE	CENTER PLATE — CAST INTEGRAL	
CAR BODY DATA	ENDS	GENERAL DRAWING OF TRUCK NO.	
AIR BRAKE MFG — NYAB	END LOAD RATIO — .0593	JOURNAL — 5 1/2" X 10"	
AIR BRAKE SCHEDULE — "AB"	FLOORING — 2 1/2" x 3 3/8" & 7 3/4" SQ. CORN OAK	SIDE BEARING — WOOD'S ROLLER TYPE	
BODY BOLSTER — BUILT UP STEEL	GENERAL DRAWING OF CAR NO 139-11-310	SIDE FRAME — C.S. PATT. A-851	
BODY CENTER PLATE — C.S. PATT. 3134-183	HAND BRAKE — UNECO DROP SHAFT	SPRING — AAR TYPE "C" STD.	
BODY SIDE BEARING — STEEL PLATE	LINING END	WHEELS — 33" DIA. CAST IRON	
CARLINES	LINING SIDE	WEIGHT OF ONE TRUCK	
	ROOF	CENTER PLATE HEIGHT — 2'-2 1/2"	

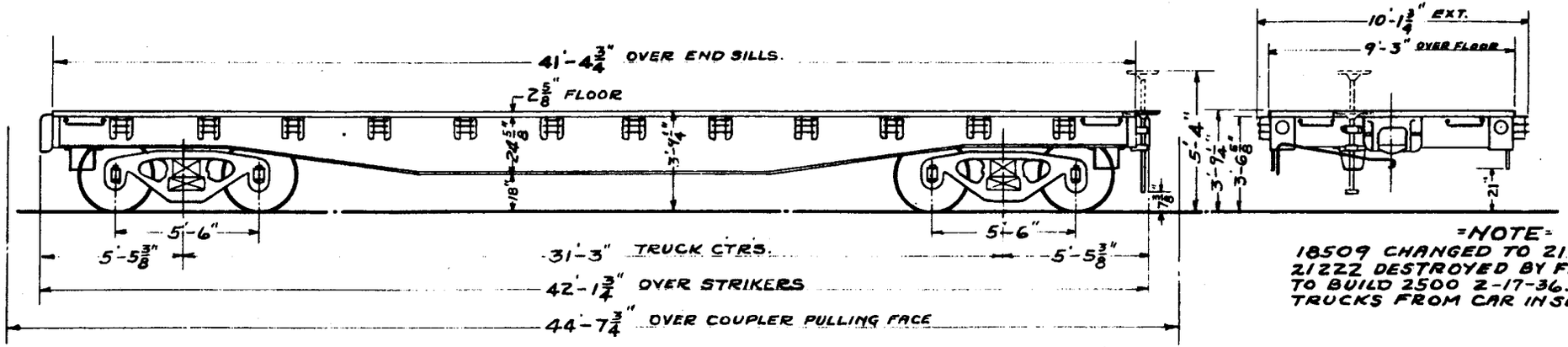
CLASS	CARS
40 TON FLAT	2600-2649

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO AUG. 9 1939

REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
JGB	JGB	CH	8	1



=NOTE=
18509 CHANGED TO 21222 1-15-30.
21222 DESTROYED BY FIRE 8-3-34, UNDERFRAME USED TO BUILD 2500 2-17-36.
TRUCKS FROM CAR IN SERIES 70500 TO 70749.

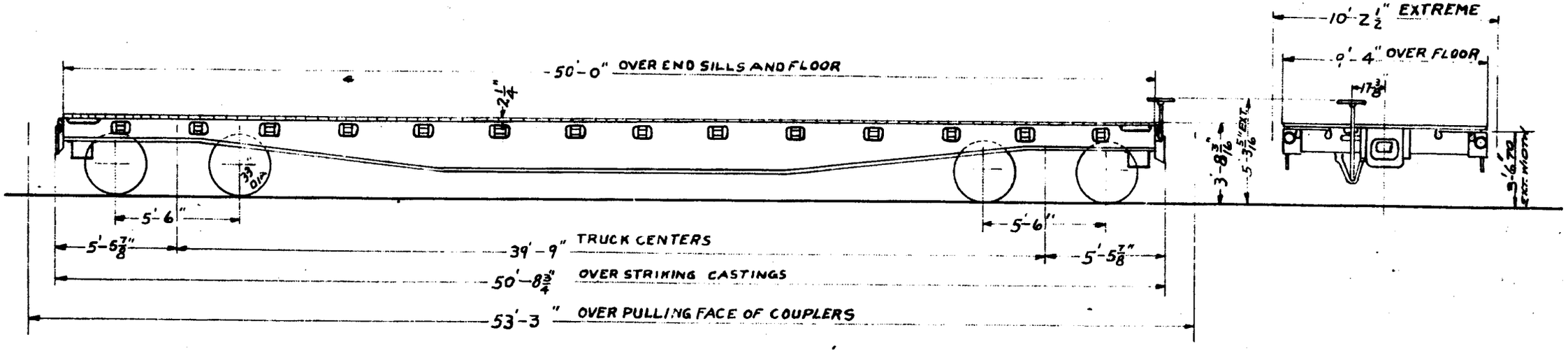
GENERAL DATA			MISCELLANEOUS
BUILT BY N.K.P. AT FRANKFORT FEB. 1926	CENTER SILL - SHAPES & PLATES.	SIDE BEARING CENTERS	
YEAR BUILT - SEE NOTE	CENTER SILL AREA - 25.88 SQ. IN.	SHEATHING	
CAPACITY LEVEL FULL CU. FT	CENTER SILL COVER PLATE - 1/4" X 21"	SUPERSTRUCTURE	
CAPACITY WITH 10 IN. HEAP CU. FT.	COUPLER - TYPE-E 6 1/4" X 8" SHANK	UNDERFRAME - STEEL.	
AVERAGE LOAD LIMIT LBS. - 131400.	COUPLER RELEASE RIGGING - IMPERIAL		
AVERAGE LIGHT WEIGHT LBS. - 37600.	DOOR	**TRUCK DATA**	
BUILDERS REFERENCE	DOOR FIXTURES	BOLSTER - C.S.	
R. R. SPEC. NO	DOOR CLEAR OPENING	BRAKE BEAM - A.A.R 2+.	
	DRAFT GEAR - WESTINGHOUSE - NY-11-E	BRAKE BEAM SAFETY - CRECO 4 PT.	
	DRAFT GEAR ATTACHMENT - C.S. YOKE.	CENTER PLATE - CAST INTEGRAL.	
	ENDS	GENERAL DRAWING OF TRUCK NO. - 14388.	
CAR BODY DATA	END LOAD RATIO - .049.	JOURNAL - 5 1/2" X 10"	
AIR BRAKE MFG. - N.Y.A.B. Co.	FLOORING - 2 5/8" X 7 3/4 SQUARE EDGE OAK.	SIDE BEARING - STUCKI ROLLER	
AIR BRAKE SCHEDULE - KC-1012.	GENERAL DRAWING OF CAR NO SK-913.	SIDE FRAME - C.S.	
BODY BOLSTER - BUILT UP STEEL.	HAND BRAKE - URECO DROP SHAFT	SPRING - FROST FRICTION	
BODY CENTER PLATE - D.F. DWG. 134-3-76	LINING END	WHEELS - ONE-WEAR - WROT STEEL	
BODY SIDE BEARING - WEAR PLATE - DWG. 175-2-40	LINING SIDE	WEIGHT OF ONE TRUCK	
CARLINES	ROOF	CENTER PLATE HEIGHT - 2'2 3/4"	

2500	
CLASS	CARS
50 TON FLAT	

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO MAY-8-1936.

REVISIONS					
8/34	4-2-34				
9/34	3-7				
DR	TR	CH	GROUP NO.	SHEET NO.	
C.M.S.	C.M.S.		8	2	



GENERAL DATA	
BUILT BY	RYAN CAR CO.
YEAR BUILT	1934
CAPACITY LEVEL FULL CU. FT.	—
CAPACITY WITH 10 IN. HEAP CU. FT.	—
AVERAGE LOAD LIMIT LBS.	117200
AVERAGE LIGHT WEIGHT LBS.	51800
BUILDERS REFERENCE	4710
R. R. SPEC. NO.	3 CR

CAR BODY DATA	
AIR BRAKE MFG.	N.Y.A.B. CO.
AIR BRAKE SCHEDULE	"AB" FREIGHT BRAKE
BODY BOLSTER	BUILT UP STEEL
BODY CENTER PLATE	DROP FORGED
BODY SIDE BEARING	CAST STEEL
CARLINES	—

CENTER SILL	BUILD UP SHAPES & PLATES
CENTER SILL AREA	46.58 SQ. IN. AT BOLSTER
CENTER SILL COVER PLATE	7/16" x 24 1/2"
COUPLER	ARA TYPE "E" CAST STEEL 6"x14"x8"
COUPLER RELEASE RIGGING	BOTTOM OPERATING
DOOR	—
DOOR FIXTURES	—
DOOR CLEAR OPENING	—
DRAFT GEAR	SEE NOTE-1
DRAFT GEAR ATTACHMENT	CAST STEEL YOKE
ENDS	—
END LOAD RATIO	.0305
FLOORING	2 1/4" OAK SQ EDGE
GENERAL DRAWING OF CAR NO.	139-9-191
HAND BRAKE	"URECO" DROP SHAFT
LINING END	—
LINING SIDE	—
ROOF	—

SIDE BEARING CENTERS	5'-0"
SHEATHING	—
SUPERSTRUCTURE	—
UNDERFRAME	BUILT UP F.B. TYPE

TRUCK DATA	
BOLSTER	CAST STEEL PATT. A-852
BRAKE BEAM	ARA #15
BRAKE BEAM SAFETY	CRECO 4 POINT
CENTER PLATE	INTEGRAL
GENERAL DRAWING OF TRUCK NO.	—
JOURNAL	5 1/2" x 10"
SIDE BEARING	E.S. WOODS ROLLER
SIDE FRAME	CAST STEEL PATT. A-851
SPRING	A.R.A. STD. TYPE-C. 1915
WHEELS	33" DIA. 2ND HAND DOUBLE PLT. C.I.
WEIGHT OF ONE TRUCK	
CENTER PLATE HEIGHT	2'-2 3/4"

MISCELLANEOUS

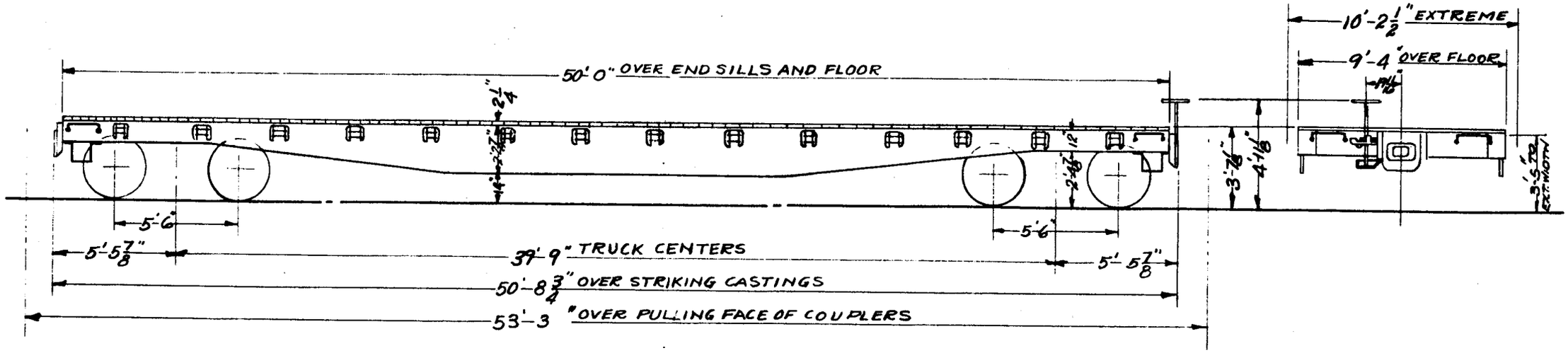
NOTE-1. CAR 2700 WAUGH 403
CARS 2701-2724 CARD. WEST.
N.Y.-11-E
NOTE-2:-TRUCKS FROM 40000-40149.

CLASS	CARS
50 TON FLAT	2700—2724

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JUNE 29, 1934

REVISIONS				
1-15-35	2-27-39			
DR	TR	CH	GROUP NO.	SHEET NO.
—	EDJ	AM	8	3



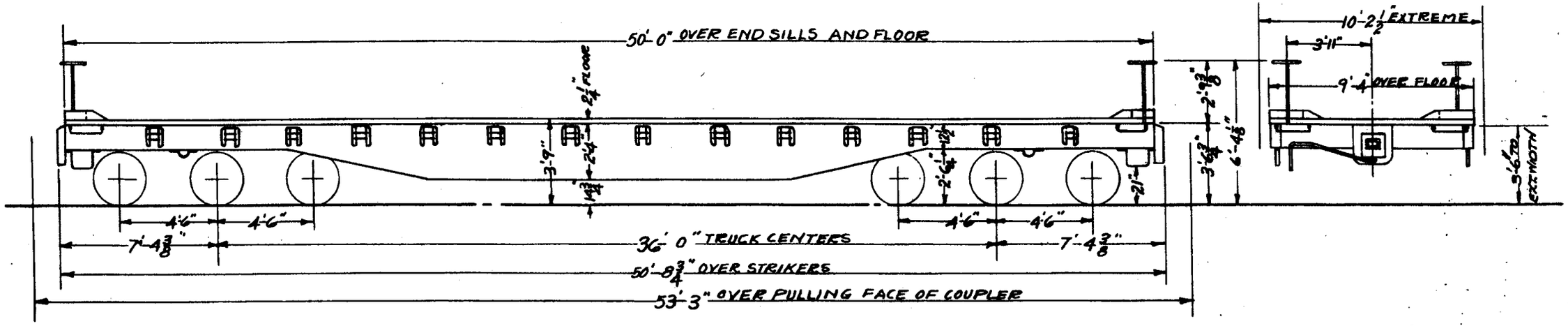
GENERAL DATA			
BUILT BY – BETHLEHEM-JOHNSTOWN, PA.	CENTER SILL - BUILT UP STEEL.	SIDE BEARING CENTERS - 4'-2"	MISCELLANEOUS
YEAR BUILT - OCT. 1936.	CENTER SILL AREA - 37.65 SQ. IN.	SHEATHING	NOTE:- TRUCKS APPLIED FROM 99350-99449.
CAPACITY LEVEL FULL CU. FT.	CENTER SILL COVER PLATE - 3/8" X 24 1/2".	SUPERSTRUCTURE	
CAPACITY WITH 10 IN. HEAP CU. FT.	COUPLER - A.A.R. TYPE "E" 6 1/4" X 8" SHANK.	UNDERFRAME - BUILT UP F.B. TYPE	
AVERAGE LOAD LIMIT LBS. — 121400.	COUPLER RELEASE RIGGING - U.M.P. Co. BOTT. OPERATING.		
AVERAGE LIGHT WEIGHT LBS. 47600.	DOOR	SEE NOTE:-1 TRUCK DATA – S.H.	
BUILDERS REFERENCE – DF-8390	DOOR FIXTURES	BOLSTER - CAST STEEL.	
R. R. SPEC. NO. – 5-CF.	DOOR CLEAR OPENING	BRAKE BEAM – A.A.R. NO. 24.	
	DRAFT GEAR - PEERLESS TYPE H-1	BRAKE BEAM SAFETY - CRECO-3-POINT.	
	DRAFT GEAR ATTACHMENT - A.A.R. C.S. YOKE.	CENTER PLATE - C.S. INTEGRAL.	
	ENDS	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO	JOURNAL - 5 1/2" X 10"	
AIR BRAKE MFG. — W.A.B. Co.	FLOORING - 2 1/4" SQUARE EDGE OAK.	SIDE BEARING - ROLLER TYPE.	
AIR BRAKE SCHEDULE – "AB"	GENERAL DRAWING OF CAR NO.	SIDE FRAME - C. S. ANDREWS	
BODY BOLSTER – BUILT UP STEEL.	HAND BRAKE - UNIVERSAL MULTI-POWER DROP SHAFT.	SPRING – A.A.R. TYPE "D"	
BODY CENTER PLATE – D-FORGED.	LINING END	WHEELS - C.I. 33"	
BODY SIDE BEARING - AXLE STEEL.	LINING SIDE	WEIGHT OF ONE TRUCK - 8175#	
CARLINES	ROOF	CENTER PLATE HEIGHT 2'-13/4"	

CLASS	CARS
50 TON FLAT	2725-2774

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO DEC.-16.-1936

REVISIONS					
A/B 12-10-7-A 8/1/39					
DR	TR	CH	GROUP NO.	SHEET NO.	
L.H.M.	L.H.M.	C.M.S.	8	4	



GENERAL DATA			MISCELLANEOUS
BUILT BY – A.C.&F.Co. CHICAGO.	CENTER SILL – BUILT UP STEEL F.B. TYPE.	SIDE BEARING CENTERS – 3'-10"	
YEAR BUILT – SEPT. 1936.	CENTER SILL AREA – 35.25 SQ. IN.	SHEATHING	
CAPACITY LEVEL FULL - CU. FT.	CENTER SILL COVER PLATE – 1/2" X 25"	SUPERSTRUCTURE	
CAPACITY WITH 10 IN. HEAP CU. FT	COUPLER – A.A.R. TYPE "E" 6¼" X 8" SHANK.	UNDERFRAME – BUILT UP F.B. TYPE.	
AVERAGE LOAD LIMIT LBS. – 238600.	COUPLER RELEASE RIGGING – U.M.R.Co. BOTT. OPERATING.		
AVERAGE LIGHT WEIGHT LBS. – 76400.	DOOR	TRUCK DATA	
BUILDERS REFERENCE – LOT.-1615.	DOOR FIXTURES	BOLSTER – C.S.	
R. R. SPEC. NO. – 6-CF.	DOOR CLEAR OPENING	BRAKE BEAM – A.A.R. #6 WITH MALL. HEADS.	
	DRAFT GEAR – NATIONAL M-17-A.	BRAKE BEAM SAFETY – CRECO-4-POINT.	
	DRAFT GEAR ATTACHMENT – A.A.R. C.S. YOKE	CENTER PLATE – C.S. INTEGRAL.	
	ENDS	GENERAL DRAWING OF TRUCK NO. 184-11-84	
CAR BODY DATA	END LOAD RATIO	JOURNAL – 6" X 11"	
AIR BRAKE MFG. – W.A.B.Co.	FLOORING – 2¼" SQUARE EDGE OAK.	SIDE BEARING – AXLE STEEL	
AIR BRAKE SCHEDULE – "AB"	GENERAL DRAWING OF CAR NO.	SIDE FRAME – CAST STEEL.	
BODY BOLSTER – C.S. INTEGRAL WITH END CASTG.	HAND BRAKE – UNIVERSAL MULTI-POWER DROP SHAFT.	SPRING – A.A.R. MIS COIL-3 OUTER-3 INNER-1 CARD. FRICTION PLATES	
BODY CENTER PLATE – C.S. INTEGRAL.	LINING END	WHEELS – 30" DAVIS C.S.	
BODY SIDE BEARING – AXLE STEEL	LINING SIDE	WEIGHT OF ONE TRUCK 17700 #	
CARLINES	ROOF	CENTER PLATE HEIGHT – 2'-3¼"	

CLASS	CARS
100 TON FLAT	2900-2901

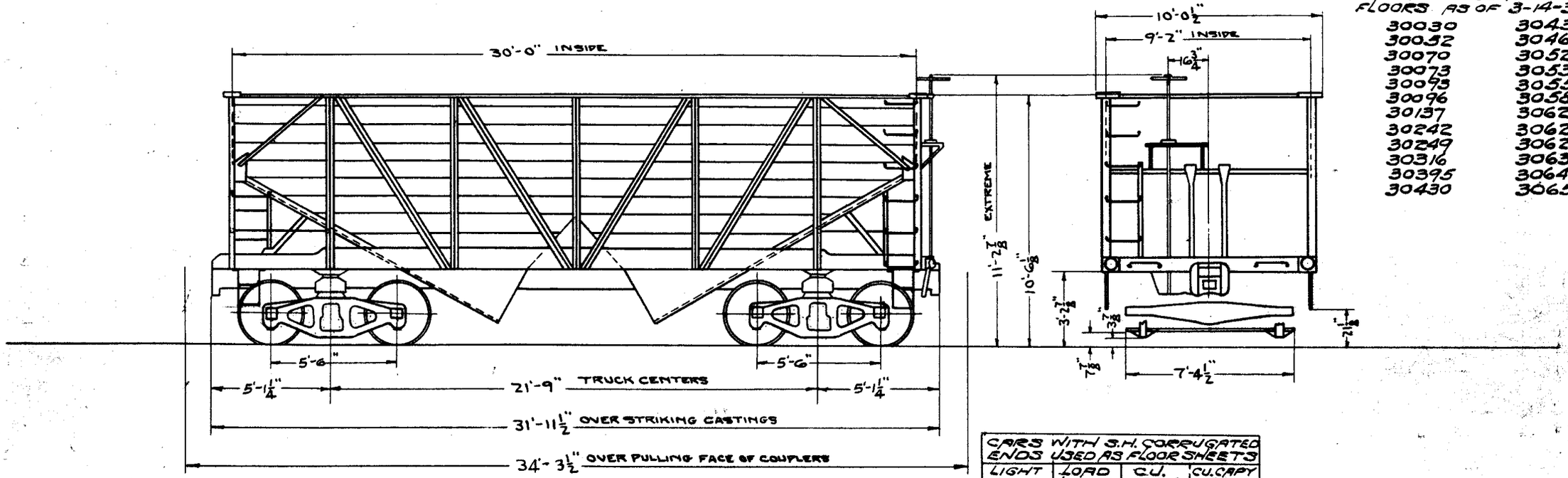
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO – DEC. – 15 – 1936

DR	TR	CH	GROUP NO.	SHEET NO.
L.H.M.	L.H.M.	C.M.S.	8	5

REVISIONS
A/1 B
11-23-1-10
-27-39

GROUP NO. 9
HOPPER CARS



—NOTE—
24 CARS HAVE S.H. CORRUGATED ENDS APPLIED AS HOPPER FLOORS AS OF 3-14-38

30030	30431
30032	30460
30070	30525
30073	30533
30093	30551
30096	30583
30137	30624
30242	30625
30249	30626
30316	30639
30395	30642
30430	30658

CARS WITH S.H. CORRUGATED ENDS USED AS FLOOR SHEETS			
LIGHT WEIGHT	LOAD LIMIT	C.U. CAPY	CU. CAPY 10" HEAP
36400	132600	1692	1921

GENERAL DATA			
BUILT BY STD. STEEL CAR CO.	CENTER SILL – 2-15" 45# CHANNELS	SIDE BEARING CENTERS 5'-0"	MISCELLANEOUS
YEAR BUILT – 1918	CENTER SILL AREA 26.34 SQ. IN.	SHEATHING 2¼"X10" SQ. EDGE	NOTE:– 50 TRUCKS FROM THIS SERIES APPLIED TO 40000-40149
CAPACITY LEVEL FULL—CU. FT. – 1660 SEE TABLE	CENTER SILL COVER PLATE	SUPERSTRUCTURE – COMPOSITE	
CAPACITY WITH 10 IN. HEAP CU. FT. – 1889 SEE TABLE	COUPLER 5X7 6½" BUTT.	UNDERFRAME – STEEL	
AVERAGE LOAD LIMIT—LBS. – 1309.00 SEE TABLE	COUPLER RELEASE RIGGING – IMPERIAL TYPE "B"		
AVERAGE LIGHT WEIGHT—LBS. – 38100 SEE TABLE	DOOR – PRESSED STEEL	TRUCK DATA	
BUILDERS REFERENCE LOT NO. 106	DOOR FIXTURES – SIMONTON	BOLSTER – CAST STEEL PATT. – A-812	
R. R. SPEC. NO.	DOOR CLEAR OPENING	BRAKE BEAM – NO. 2	
	DRAFT GEAR – TANDEM SPRING	BRAKE BEAM SAFETY – 2"X2"X3/8" ANGLE	
	DRAFT GEAR ATTACHMENT – C.S. YOKE	CENTER PLATE – CAST INTEGRAL	
	ENDS – STEEL ¼"	GENERAL DRAWING OF TRUCK NO. 60501-D	
CAR BODY DATA	END LOAD RATIO .058	JOURNAL – 5½"X10"	
AIR BRAKE MFG. – M.Y.A.B. CO.	FLOORING – 2¼"X5¼" BOARDS SHIPLAP SEE NOTE	SIDE BEARING – WOODS ROLLER	
AIR BRAKE SCHEDULE KD 1012	GENERAL DRAWING OF CAR NO. 139-11-182	SIDE FRAME CAST STEEL – PATT. CT 562	
BODY BOLSTER – BUILT UP STEEL	HAND BRAKE WHEEL & SHAFT – PLAIN	SPRING – ARA STD. TYPE D	
BODY CENTER PLATE – CAST STEEL PATT. A-749	LINING END —	WHEELS 33" DIA. CAST IRON SINGLE PLT.	
BODY SIDE BEARING – MALL. IRON PATT. A-748	LINING SIDE 2¼"X10" SQ. EDGE BOARDS	WEIGHT OF ONE TRUCK	
CARLINES	ROOF		

CLASS	CARS
50 TON HOPPER	30000-30749

N.K.P.

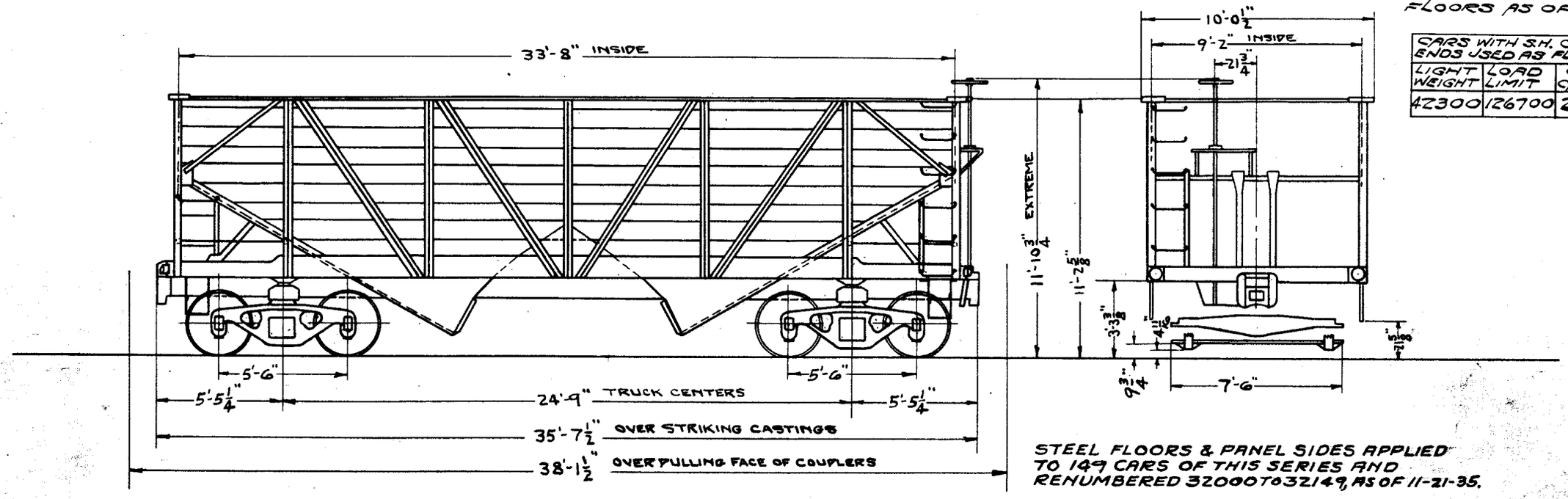
ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO APR. 25. 1933

C. P.	REVISIONS
1-2-38	
3-14-38	

DR	TR	CH	GROUP No.	SHEET No.
C.J.T.	C.J.T.		9	1

-NOTE-
49 CARS HAVE S.H. CORRUGATED ENDS APPLIED AS HOPPER FLOORS AS OF 3-14-38

CARS WITH S.H. CORRUGATED ENDS USED AS FLOOR SHEETS			
LIGHT WEIGHT	LOAD LIMIT	CU. CAPY	CU. CAPY 10" HEAP
42300	126700	2087	2344



STEEL FLOORS & PANEL SIDES APPLIED TO 149 CARS OF THIS SERIES AND RENUMBERED 32000 TO 32149, AS OF 11-21-35.

GENERAL DATA	
BUILT BY	PRESSED STEEL CAR CO.
YEAR BUILT	1923
CAPACITY LEVEL FULL—CU. FT.	2050 SEE TABLE
CAPACITY WITH 10 IN. HEAP CU. FT.	2307 SEE TABLE
AVERAGE LOAD LIMIT—LBS.	126,700
AVERAGE LIGHT WEIGHT—LBS.	42,300
BUILDERS REFERENCE	LOT 111
R. R. SPEC. NO.	370

CAR BODY DATA	
AIR BRAKE MFG.	N.Y.A.B. CO.
AIR BRAKE SCHEDULE	149-1012
BODY BOLSTER	BUILT UP STEEL
BODY CENTER PLATE	CAST STEEL - PATT. A-870
BODY SIDE BEARING	WOODS TIP ROLLER
CARLINES	

CENTER SILL	2-15" - 55# CHANNELS
CENTER SILL AREA	32.22 SQ. IN.
CENTER SILL COVER PLATE	
COUPLER	ARA TYPE "D" 6X8
COUPLER RELEASE RIGGING	IMPERIAL TYPE "B"
DOOR	PRESSED STEEL
DOOR FIXTURES	SIMONTON
DOOR CLEAR OPENING	
DRAFT GEAR	SEE NOTE-1
DRAFT GEAR ATTACHMENT	FARLOW
ENDS	STEEL - 1/4"
END LOAD RATIO	.063
FLOORING	2 1/4" X 5/8" BOARDS SHIP LAP SEE NOTE
GENERAL DRAWING OF CAR NO.	139-11-183
HAND BRAKE	WHEEL & SHAFT - PLAIN
LINING END	
LINING SIDE	
ROOF	

SIDE BEARING CENTERS	5'-0"
SHEATHING	2 1/4" X 10" BOARDS SHIP LAP
SUPERSTRUCTURE	COMPOSITE
UNDERFRAME	STEEL

TRUCK DATA	
BOLSTER	CAST STEEL - PATT. A-882
BRAKE BEAM	No. 2
BRAKE BEAM SAFETY	CRECO 4 POINT
CENTER PLATE	CAST INTEGRAL
GENERAL DRAWING OF TRUCK NO.	
JOURNAL	5 1/2 X 10
SIDE BEARING	SPRING STEEL PLATE
SIDE FRAME	CAST STEEL - PATT. A-851
SPRING	ARA STD. TYPE "D"
WHEELS	33" DIA. SEE NOTE-2
WEIGHT OF ONE TRUCK	

MISCELLANEOUS

NOTE-1 - CARS 30750-30949 HAVE CARDWELL G-25-A GEAR, CARS 30950-31749 HAVE MINER A-18-S-2 GEAR.
NOTE-2 - CARS 30750-30849, 30950-31749 HAVE CAST IRON WHEELS, CARS 30850-30949 HAVE FORGED STEEL WHEELS.

CLASS	CARS
50 TON HOPPER	30750-31749

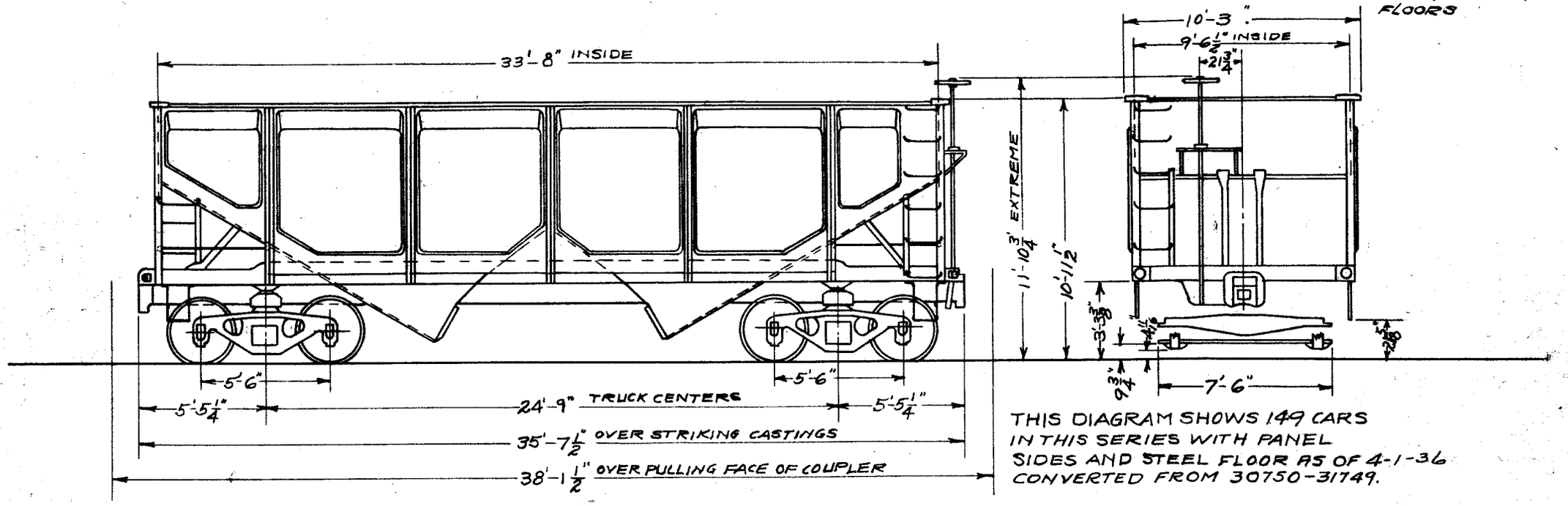
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO APR. 20. 1933

REVISIONS								
C								
11-20								
4-37								

DR	TR	CH	GROUP NO.	SHEET NO.
C.J.T.	C.J.T.		9	2

-NOTE-
THESE CARS HAVE S.H. CORRUGATED ENDS APPLIED AS HOPPER FLOORS



THIS DIAGRAM SHOWS 149 CARS IN THIS SERIES WITH PANEL SIDES AND STEEL FLOOR AS OF 4-1-36 CONVERTED FROM 30750-31749.

GENERAL DATA	
BUILT BY -	PRESSED STEEL CAR CO.
YEAR BUILT -	1923
CAPACITY LEVEL FULL—CU. FT.-	2171
CAPACITY WITH 10 IN. HEAP CU. FT.-	2438
AVERAGE LOAD LIMIT—LBS.-	126,985
AVERAGE LIGHT WEIGHT—LBS.	42,015
BUILDERS REFERENCE -	LOT 191
R. R. SPEC. NO. -	SPEC. 370

CAR BODY DATA	
AIR BRAKE MFG.	N.Y.A.B. CO.-SEE NOTE No.3.
AIR BRAKE SCHEDULE	KD-1012
BODY BOLSTER	BUILT UP STEEL
BODY CENTER PLATE -	CAST STEEL-PATT. A-870
BODY SIDE BEARING -	WOODS TIP ROLLER
CARLINES	—

CENTER SILL-	2 - 15" - 55# CHANNELS
CENTER SILL AREA-	32.22 SQ. IN.
CENTER SILL COVER PLATE	—
COUPLER-	A.R.A. TYPE "D" 6 X 8
COUPLER RELEASE RIGGING-	IMPERIAL TYPE "B"
DOOR -	PRESSED STEEL
DOOR FIXTURES-	SIMONTON
DOOR CLEAR OPENING	—
DRAFT GEAR	SEE NOTE-1
DRAFT GEAR ATTACHMENT -	FARLOW
ENDS -	STEEL - ¼"
END LOAD RATIO -	.053
FLOORING	STEEL
GENERAL DRAWING OF CAR—NO.-	
HAND BRAKE -	WHEEL & SHAFT - PLAIN
LINING END	—
LINING SIDE	—
ROOF	—

SIDE BEARING CENTERS -	5'-0"
SHEATHING	—
SUPERSTRUCTURE	STEEL
UNDERFRAME -	STEEL

TRUCK DATA	
BOLSTER -	CAST STEEL - PATT. A-852
BRAKE BEAM -	NO. 2.
BRAKE BEAM SAFETY -	CRECO 4 POINT
CENTER PLATE -	CAST INTEGRAL
GENERAL DRAWING OF TRUCK NO.	—
JOURNAL	5½ X 10
SIDE BEARING -	SPRING STEEL PLATE
SIDE FRAME	CAST STEEL - PATT. A-851
SPRING	A.R.A. STD. TYPE "D"
WHEELS	33" DIA. SEE NOTE-2.
WEIGHT OF ONE TRUCK	

MISCELLANEOUS

NOTE-1. CARS 30750-30949 HAVE CARDWELL G-25-A GEAR. CARS 30950-31749 HAVE MINER A-18-S-2 GEAR.
NOTE-2. CARS 30750-30849, 30950-31749 HAVE CAST IRON WHEELS, CARS 30850-30949 HAVE FORGED STEEL WHEELS.
NOTE-3:- CARS 32040 TO 32089 EQUIPPED WITH "A.B" BRAKES JAN. TO APRIL 1935

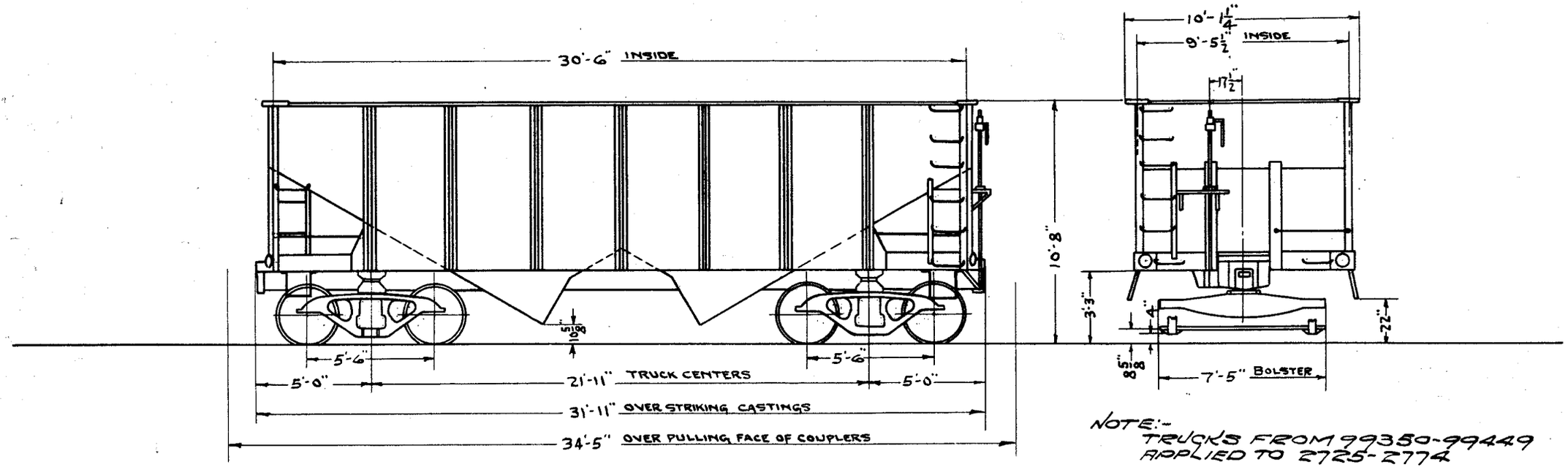
CLASS	CARS
50 TON HOPPER	32000-32149

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO
JUNE 27, 1934

REVISIONS
[illegible]-20
[illegible]-37

DR	TR	CH	GROUP NO.	SHEET NO.
LHM	LHM	[illegible]	9	3



NOTE:-
TRUCKS FROM 99350-99449
APPLIED TO 2725-2774

GENERAL DATA			MISCELLANEOUS
BUILT BY - STANDARD STEEL CAR CO.	CENTER SILL - 2-12"-34.5# SH. CHAN.	SIDE BEARING CENTERS - 4'-2"	NOTE-1
YEAR BUILT - 1919	CENTER SILL AREA 24.01 SQ. IN.	SHEATHING 1/4" STEEL PLATE	99000-99349-33" WROT STEEL WHEELS
CAPACITY LEVEL FULL - CU. FT. - 1880	CENTER SILL COVER PLATE 12 1/2" X 5/16"	SUPERSTRUCTURE - STEEL	99350-99449-33" CAST IRON WHEELS
CAPACITY WITH 10 IN. HEAP CU. FT. - 2120	COUPLER - ARA TYPE D - 6"X8" SHANK	UNDERFRAME - STEEL	
AVERAGE LOAD LIMIT LBS. - 129000	COUPLER RELEASE RIGGING - CARMER		
AVERAGE LIGHT WEIGHT - LBS. - 40000	DOOR - PRESSED STEEL	TRUCK DATA	
BUILDERS REFERENCE	DOOR FIXTURES - ENTERPRISE	BOLSTER CAST STEEL	
R. R. SPEC. NO.	DOOR CLEAR OPENING	BRAKE BEAM No. 2	
	DRAFT GEAR - WESTINGHOUSE, SESSIONS, & CARDWELL	BRAKE BEAM SAFETY CRECO 3-POINT	
	DRAFT GEAR ATTACHMENT - CAST STEEL YOKE	CENTER PLATE - CAST INTEGRAL	
	ENDS - PLAIN STEEL - 3/16"	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO - .055	JOURNAL - 5 1/2" X 10"	
AIR BRAKE MFG. - W.A.B. CO.	FLOORING 1/4" STEEL PLATE	SIDE BEARING ROLLER	
AIR BRAKE SCHEDULE - KD-1012	GENERAL DRAWING OF CAR NO. - 139-10-184	SIDE FRAME - CAST STEEL - ANDREWS	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE - BLACKALL RATCHET	SPRING - A.R.A. STD. TYPE-D	
BODY CENTER PLATE - DROP FORGED O.R.C.S. PATT-A996	LINING END —	WHEELS - SEE NOTE-1	
BODY SIDE BEARING PLATE	LINING SIDE —	WEIGHT OF ONE TRUCK	
CARLINES —	ROOF —		

U.S.R.A.	99000-99449
CLASS	CARS

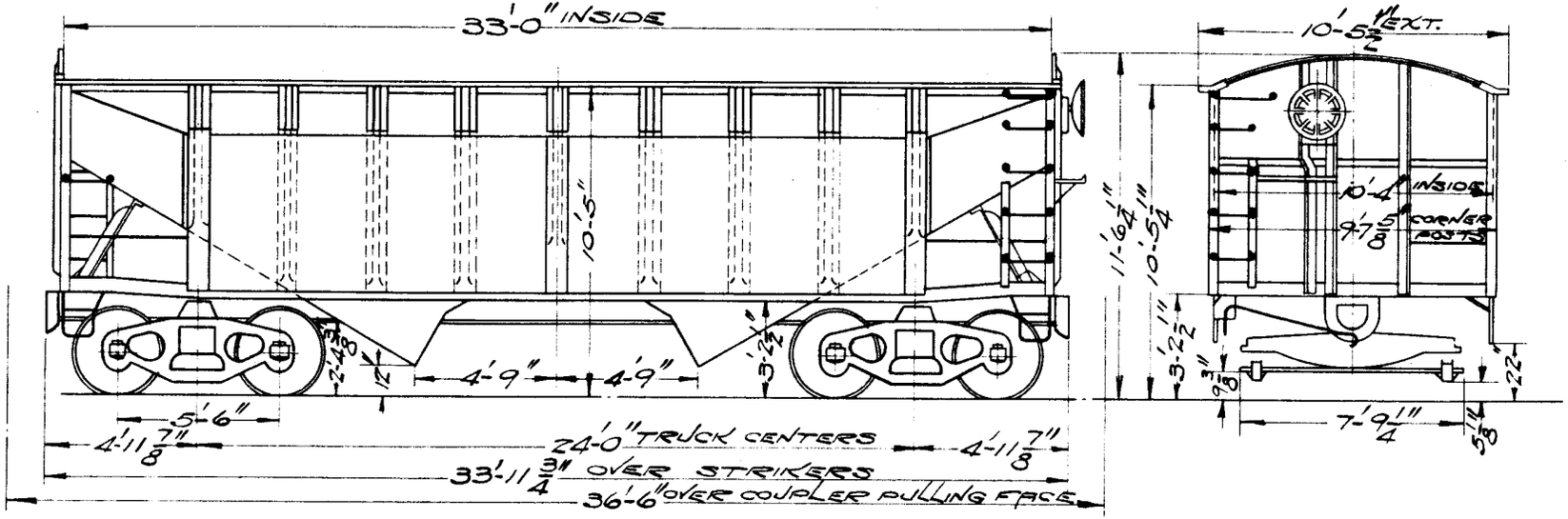
50 TON HOPPER

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO MAY 18 1933

C	D	REVISIONS	
2-1-30			

DR	TR	CH	GROUP NO.	SHEET NO.
C.J.T.	C.J.T.		9	4



GENERAL DATA	
BUILT BY	R.S.C. MFG. CO.
YEAR BUILT	APRIL 1937
CAPACITY LEVEL FULL CU. FT.	2081
CAPACITY WITH 10 IN. HEAP CU. FT.	2344
AVERAGE LOAD LIMIT LBS.	128600
AVERAGE LIGHT WEIGHT LBS.	40400
BUILDERS REFERENCE	LOT 5553-A
R. R. SPEC. NO.	6-CSCH

CAR BODY DATA	
AIR BRAKE MFG.	W.A.B. CO.
AIR BRAKE SCHEDULE	"AB"
BODY BOLSTER	BUILT UP STEEL
BODY CENTER PLATE	DROP FORGED
BODY SIDE BEARING	DROP FORGED
CARLINES	
CENTER SILL	AAR "Z" SEC. 13/32" X 12 13/16"
CENTER SILL AREA	24.22 SQ. IN.
CENTER SILL COVER PLATE	
COUPLER	AAR TYPE "E" 6 1/4" X 8 SHANK
COUPLER RELEASE RIGGING	U.M.R.Co. BOTT. OPERT'G
DOOR	BUILDER PRESSED STEEL
DOOR FIXTURES	WINE
DOOR CLEAR OPENING	24 17/32" X 32 1/4"
DRAFT GEAR	CARDWELL NY-11-E
DRAFT GEAR ATTACHMENT	C.S. YOKE
ENDS	1/4" C.B. STEEL
END LOAD RATIO	.046
FLOORING	1/4" C.B. STEEL
GENERAL DRAWING OF CAR NO.	
HAND BRAKE	EQUIPCO VERT. WHEEL
LINING END	
LINING SIDE	
ROOF	

SIDE BEARING CENTERS	4'-2"
SHEATHING	3/16" & 1/4" C.B. STEEL
SUPERSTRUCTURE	STEEL
UNDERFRAME	STEEL

TRUCK DATA	
BOLSTER	C.S. DOUBLE TRUSS
BRAKE BEAM	A.A.R. NO. 15
BRAKE BEAM SAFETY	CRECO 4 POINT
CENTER PLATE	C.S. INTEGRAL
GENERAL DRAWING OF TRUCK NO.	
JOURNAL	5 1/2" X 10"
SIDE BEARING	POCKET & SHOE C.S.
SIDE FRAME	C.S. INTEGRAL DOUBLE TRUSS
SPRING	A.A.R. A15 COIL 6 OUTER - 4 INNER PER NEST
WHEELS	33" W.S.I.W.
WEIGHT OF ONE TRUCK	7300 #

MISCELLANEOUS

CLASS: 33000-33074 CARS

50 TON HOPPER

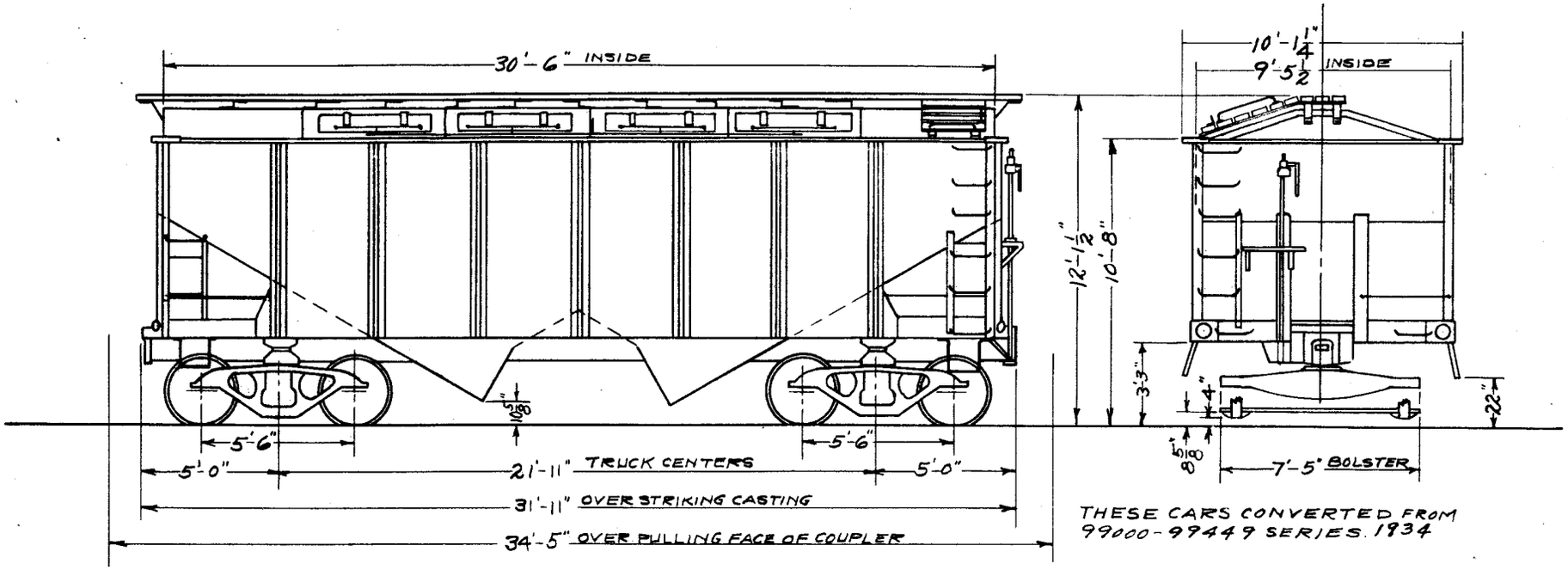
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JULY 13, 1937

REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
	JGB	CMS	9	5

GROUP NO. 10
CEMENT & DOLOMITE CAR



THESE CARS CONVERTED FROM 99000-99449 SERIES. 1934

GENERAL DATA			
BUILT BY STANDARD STEEL CAR CO.	CENTER SILL - 2 - 12" - 34.5# SH. CHAN.	SIDE BEARING CENTERS - 4'-2"	MISCELLANEOUS
YEAR BUILT - 1919	CENTER SILL AREA - 24.01 SQ. IN	SHEATHING 1/4" STEEL PLATE	
CAPACITY LEVEL FULL—CU. FT. 2069	CENTER SILL COVER PLATE 12 1/2" X 9/16"	SUPERSTRUCTURE - STEEL	
CAPACITY WITH 10 IN. HEAP CU. FT. —	COUPLER ARA TYPE 'D' 6x8" SHANK	UNDERFRAME - STEEL	
AVERAGE LOAD LIMIT—LBS. —	COUPLER RELEASE RIGGING - CARMER		
AVERAGE LIGHT WEIGHT—LBS. 44040	DOOR - PRESSED STEEL	TRUCK DATA	
BUILDERS REFERENCE —	DOOR FIXTURES - ENTERPRISE	BOLSTER CAST STEEL	
R. R. SPEC. NO. —	DOOR CLEAR OPENING	BRAKE BEAM No. 2	
	DRAFT GEAR - WESTINGHOUSE SESSIONS & CARDWELL	BRAKE BEAM SAFETY CRECO 3-POINT	
	DRAFT GEAR ATTACHMENT - CAST STEEL YOKE	CENTER PLATE CAST INTEGRAL	
	ENDS - PLAIN STEEL - 9/16"	GENERAL DRAWING OF TRUCK NO.	
CAR BODY DATA	END LOAD RATIO, .055.	JOURNAL 5 1/2" x 10"	
AIR BRAKE MFG. - W.A.B. CO.	FLOORING 1/4" STEEL PLATE	SIDE BEARING ROLLER	
AIR BRAKE SCHEDULE - KD-1012	GENERAL DRAWING OF CAR—NO.	SIDE FRAME CAST STEEL - ANDREWS	
BODY BOLSTER - BUILT UP STEEL	HAND BRAKE BLACKALL RATCHET	SPRING A.R.A. STD. TYPE-D	
BODY CENTER PLATE DROP FORGED OR C.S. PATT-A996	LINING END —	WHEELS 33" DIA. - CAST IRON	
BODY SIDE BEARING PLATE	LINING SIDE —	WEIGHT OF ONE TRUCK	
CARLINES — 3 1/2" x 2 1/2" x 3/8 L	ROOF - STEEL		

CLASS	CARS
50-TON DOLOMITE CAR	99950-99959

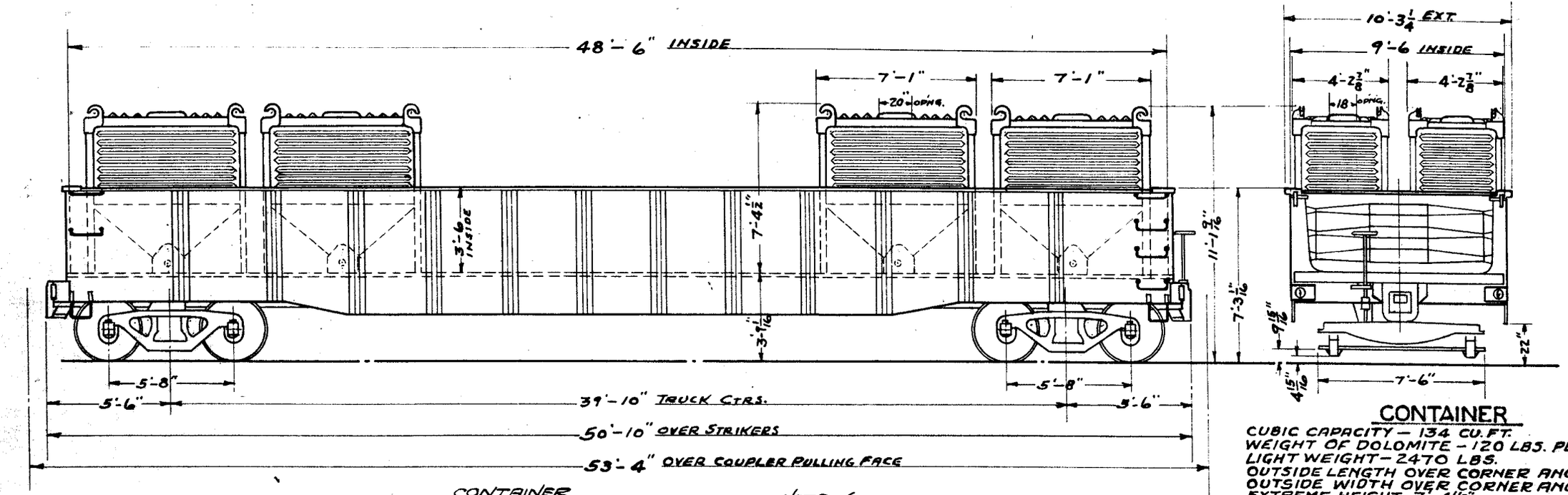
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JUNE 27, 1934

C REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
LHM	LHM		10	1

CARS FROM SERIES 70500 TO 70749. 70-TON TRUCKS APPLIED



CONTAINER
CARS 75030-75039 TOP TRAP
DOOR OPENING 30"X36"

NOTE:-6
CUBIC CAPACITY WITH OUT CONTAINERS
1613 CU FT.

CONTAINER

CUBIC CAPACITY — 134 CU. FT.
WEIGHT OF DOLOMITE - 120 LBS. PER CU.FT.
LIGHT WEIGHT - 2470 LBS.
OUTSIDE LENGTH OVER CORNER ANGLES - 7'-0".
OUTSIDE WIDTH OVER CORNER ANGLES - 4'-1 1/16".
EXTREME HEIGHT - 7'-4½".
TOP TRAP DOOR OPENING - 18"X20".
WIDTH OF OPENINGS IN DISCHARGE VALVE - 4"X8 5/8"
TOTAL AREA OF DISCHARGING OPENINGS - 308 SQ.IN.

GENERAL DATA			MISCELLANEOUS
BUILT BY - R.C.&F.Co. 1929.	CENTER SILL - 2-AAR STD. SEC. 12" 40.3#	SIDE BEARING CENTERS - 4'-2"	NOTE NO.1 — CARS 75001, 75004, 75005,
YEAR BUILT - CONTAINER - YOUNGSTOWN. S.D.Co. 1935	CENTER SILL AREA — 29.68 SQ.IN.	SHEATHING —	75007, 75008 & 75013 HAVE 6"X8" RIGID
CAPACITY LEVEL FULL — CU. FT. — } 8-CONTAINERS =	CENTER SILL COVER PLATE - 5/16" X 20½".	SUPERSTRUCTURE - STEEL	COUPLERS. BALANCE HAVE SWIVEL
CAPACITY WITH 10 IN. HEAP CU. FT } 1072 CU. FT.	COUPLER - SEE NOTE NO.1	UNDERFRAME — STEEL	BUTT TYPE "D"
AVERAGE LOAD LIMIT — LBS. - 135100, WITH CONTR.	COUPLER RELEASE RIGGING - IMPERIAL TYPE "B"		
AVERAGE LIGHT WEIGHT — LBS. 74900 WITH CONTR.	DOOR —	TRUCK DATA - SEE NOTE-2	NOTE NO. 2 - CARS 75000 TO 75005
BUILDERS REFERENCE - CARS-LOT 117.	DOOR FIXTURES —	BOLSTER - CAST STEEL.	HAVE 2ND HAND 70 TON TRUCKS
R. R. SPEC. NO. - N.K.P. -394.	DOOR CLEAR OPENING —	BRAKE BEAM - SEE NOTE NO.4	FURNISHED BY C&O. 75006 TO 75039
	DRAFT GEAR - FRICTION DURABLE A-1.	BRAKE BEAM SAFETY - CRECO-4-PT. SUPPORT.	HAVE NEW 70 TON TRUCKS, WITH
	DRAFT GEAR ATTACHMENT - FARLOW.	CENTER PLATE - CAST INTEGRAL.	DOUBLE TRUSS SIDE FRAMES.
	ENDS - DREADNAUGHT. — DROP END.	GENERAL DRAWING OF TRUCK NO.	NOTE NO.3 - CARS 75000 TO 75005 HAVE
CAR BODY DATA	END LOAD RATIO .043	JOURNAL — 6"X 11"	2 NESTS OF 6 DOUBLE COIL A.A.R. SPRINGS
AIR BRAKE MFG. - N.Y.A.B.Co.	FLOORING - 2⅜" YELLOW PINE S.L.	SIDE BEARING - SEE NOTE NO.5	PER TRUCK. 75006 TO 75019 HAVE 7 AAR
AIR BRAKE SCHEDULE - KC 1012.	GENERAL DRAWING OF CAR — NO. 139-11-170.	SIDE FRAME - CAST STEEL - INTEGRAL BOX.	DOUBLE COIL, 2-NESTS PER TRUCK.
BODY BOLSTER - BUILT UP STEEL.	HAND BRAKE - URECO - DROP SHAFT	SPRING SEE NOTE NO.3	NOTE NO.4 — 75000 TO 75005 HAVE AAR
BODY CENTER PLATE - CAST STEEL.	LINING END —	WHEELS	NO.3. 75006 TO 75019 HAVE AAR NO.15
BODY SIDE BEARING - HARDENED STEEL PLATE	LINING SIDE —	WEIGHT OF ONE TRUCK	NOTE NO.5 - 75000 TO 75005 HAVE POCKET
CARLINES —	ROOF —	CENTER PLATE HEIGHT - 2'-2¾"	AND SHOE. 75006 TO 75019 HAVE STUCK1.

70 TON GONDOLAS	75000—75039
CLASS	CARS

DOLOMITE CONTAINER CARS

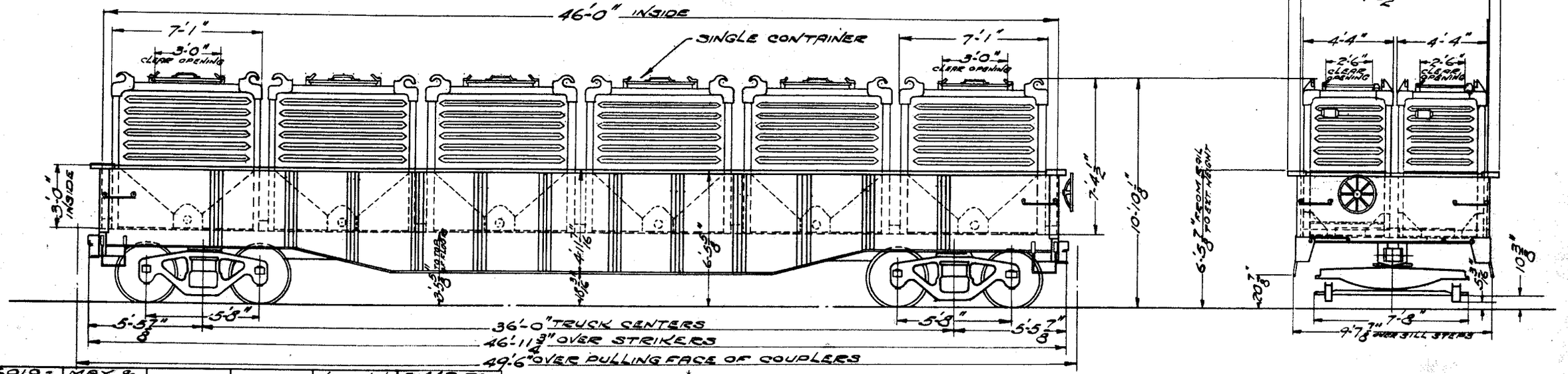
N.K.P.
ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JAN.-10-1936.

REVISIONS					
7/8/38 C					
12-19-24 2-1-14					
1/26/38 39					
DR	TR	CH	GROUP NO.	SHEET NO.	
C.M.S.	C.M.S.		10	2	

AVERAGE LIGHT WEIGHT		LOAD LIMITS		LOAD LIMIT DOLOMITE		CARS
WITHOUT CONTAINERS	WITH CONTAINERS	WITHOUT CONTAINERS	IN CONTAINERS	WEIGHT	CU. CAPY.	
46000 LBS.	73225 LBS.	205000 LBS.	177775 LBS.	176000 LBS.	1474 CU. FT.	76000-76009
45500 LBS.	72978 LBS.	205500 LBS.	178022 LBS.	176000 LBS.	1474 CU. FT.	76010-76019

11-CONTAINERS PER CAR

NUMBERS OF 220 CONTAINERS
C-322 TO C-541 INCL.



CARS	YEAR BUILT	BUILDERS REFERENCE	AIR BRAKE M'FGR	DRAFT GEAR	CONTAINERS YEAR BUILT
76010-76019	MAY & JUNE 1940	LOT 5624	W.A.B. CO.	NATIONAL M-17-A	C-442 TO C-541 1940
76000-76009	SEPT. & OCT. 1939	LOT 5598	NYAB CO.	MINER A-22-LB	C322 TO C-431 1939

GENERAL DATA

BUILT BY – POLLMAN STD. S.C. & MFGR. CO. MICH. CITY, IND.
YEAR BUILT – SEE TABLE
CAPACITY LEVEL FULL CU. FT. ——
CAPACITY WITH 10 IN. HEAP CU. FT. ——
AVERAGE LOAD LIMIT – LBS. SEE TABLE
AVERAGE LIGHT WEIGHT LBS. SEE TABLE
BUILDERS REFERENCE – SEE TABLE
R. R. SPEC. NO. – 15-CF8Q

CAR BODY DATA

AIR BRAKE MFG. – SEE TABLE
AIR BRAKE SCHEDULE – "AB"
BODY BOLSTER – BUILT UP STEEL
BODY CENTER PLATE – DROP FORGED
BODY SIDE BEARING – DROP FORGED — STEEL
CARLINES ——

CENTER SILL – 2-12⅞" 36.21# AAR ZEES.
CENTER SILL AREA – 21.30 SQ. IN.
CENTER SILL COVER PLATE ——
COUPLER – AAR 6¼" X 8" TYPE "E" BOTT. OPER'TG.
COUPLER RELEASE RIGGING STD. RY. EQUIPT. BOTT. OPER'TG.
DOOR ——
DOOR FIXTURES ——
DOOR CLEAR OPENING ——
DRAFT GEAR – SEE TABLE
DRAFT GEAR ATTACHMENT – CAST STEEL YOKE
ENDS – PLAIN. 3/16" STEEL
END LOAD RATIO – .0509
FLOORING – 3/16" STEEL
GENERAL DRAWING OF CAR NO. – 139-11-308
HAND BRAKE – UNIVERSAL "L" VERTICAL WHEEL
LINING END ——
LINING SIDE ——
ROOF ——

SIDE BEARING CENTERS – 4'-2"
SHEATHING – 3/16" STEEL
SUPERSTRUCTURE – STEEL
UNDERFRAME – STEEL

TRUCK DATA

BOLSTER – CAST STEEL
BRAKE BEAM – AAR NO. 15
BRAKE BEAM SAFETY – CRECO 4 POINT
CENTER PLATE – CAST STEEL – INTEGRAL
GENERAL DRAWING OF TRUCK NO.
JOURNAL – 6½" X 12"
SIDE BEARING – STUCKI SINGLE ROLLER
SIDE FRAME – C.S. INTEGRAL BOLSTER TYPE
SPRING – AAR 1936 DESIGN CLASS P-2
WHEELS – 33" DIA. – MULTIPLE WEAR
WEIGHT OF ONE TRUCK – 10040#
CENTER PLATE HEIGHT – 2'-1¾"

CONTAINER

BUILT BY – YOUNGSTOWN STEEL DOOR CO.
YEAR BUILT – SEE TABLE
NO. OF CONTAINERS – 11
LT. WGT. 76000-76009-2478# 76010-76019-2498#
CU. CAPY PER CONTAINER – 134 CU. FT.
WEIGHT OF DOLOMITE – 120 LBS. PER CU. FT.
CAPY OF DOLOMITE IN LBS. – 16000# PER CONT.
TOP TRAP DOOR OPENING – 30" X 36"
DISCHARGE VALVE OPENINGS – 4" X 38¾ & 4" X 39⅞
TOTAL DISCHARGE VALVE OPENINGS – 313 SQ. IN.
OUTSIDE LENGTH OVER CORNER ANGLES – 7'-0"
OUTSIDE WIDTH OVER CORNER ANGLES – 4'-3"
EXTREME HEIGHT – 7'-4½"

100 TON GOND.	76000-76019
CLASS	CARS

DOLOMITE CONTAINER CARS

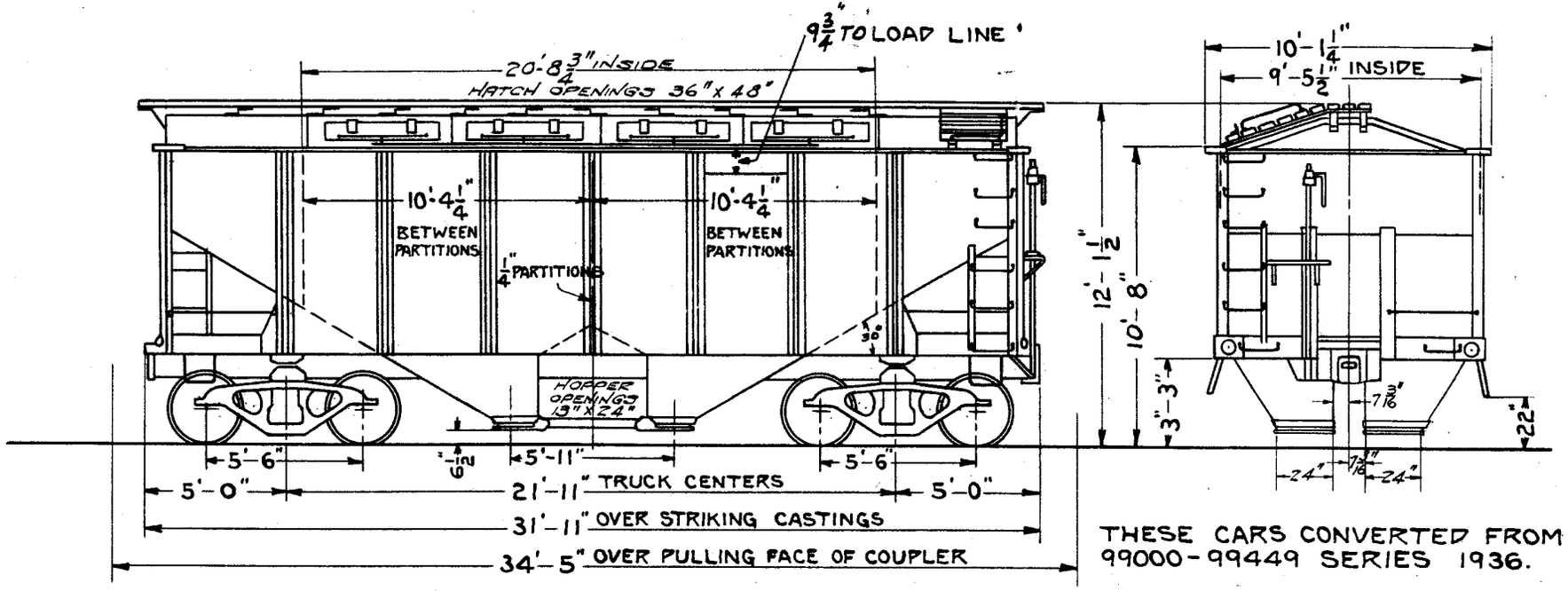
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO OCT. 7, 1939

REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
J.G.B.	J.G.B.	GJ	10	2-A

-NOTE-
CARS 99621-99629 WELDED
FOR HANDLING SODA ASH.



THESE CARS CONVERTED FROM
99000-99449 SERIES 1936.

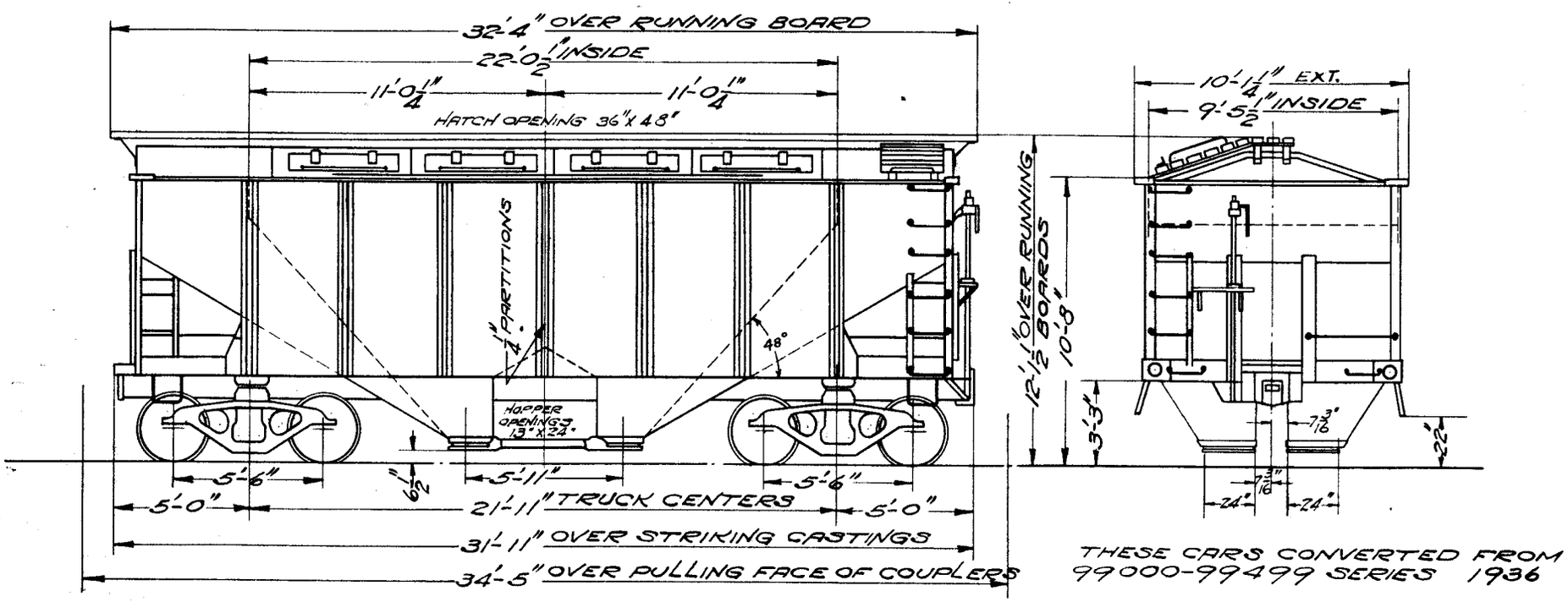
GENERAL DATA				MISCELLANEOUS
BUILT BY STANDARD STEEL CAR CO.	CENTER SILL 2-12"-34.5# SH. CHAN.	SIDE BEARING CENTERS 4'-2"		
YEAR BUILT 1919	CENTER SILL AREA 24.01 SQ. IN.	SHEATHING 1/4" STEEL PLATE		
CAPACITY LEVEL FULL—CU. FT. 2069 COAL	CENTER SILL COVER PLATE 12 1/2" x 5/16"	SUPERSTRUCTURE STEEL		
CAPACITY TO LOAD LINE 1321 CU. FT.	COUPLER A.A.R. TYPE D 6" x 8" SHANK	UNDERFRAME STEEL		
AVERAGE LOAD LIMIT—LBS. 124100	COUPLER RELEASE RIGGING CARMER	ROOF HATCH OPENING 36" x 48"		
AVERAGE LIGHT WEIGHT—LBS. 44900	DOOR SLIDING.	TRUCK DATA		
BUILDERS REFERENCE	DOOR FIXTURES ENTERPRISE	BOLSTER CAST STEEL		
R. R. SPEC. NO.	DOOR CLEAR OPENING 13" x 24" & 36" x 48"	BRAKE BEAM Nº 2		
	DRAFT GEAR WESTHSE, SESSIONS & CARDWELL	BRAKE BEAM SAFETY CRECO 3-POINT		
	DRAFT GEAR ATTACHMENT CAST STEEL YOKE	CENTER PLATE CAST INTEGRAL		
	ENDS PLAIN STEEL 3/16"	GENERAL DRAWING OF TRUCK NO.		
CAR BODY DATA	END LOAD RATIO .005	JOURNAL 5 1/2" x 10"		
AIR BRAKE MFG. W.A.B.CO.	FLOORING 1/4" STEEL PLATE	SIDE BEARING ROLLER		
AIR BRAKE SCHEDULE KD-1012	GENERAL DRAWING OF CAR NO.	SIDE FRAME CAST STEEL - ANDREWS		
BODY BOLSTER BUILT UP STEEL	HAND BRAKE BLACKALL RATCHET	SPRING A.A.R. STD. TYPE-D		
BODY CENTER PLATE DROP FORGED OR C.S. PATT. A-915	LINING END —	WHEELS 33" DIA. CAST IRON		
BODY SIDE BEARING PLATE	LINING SIDE —	WEIGHT OF ONE TRUCK		
CARLINES 3 1/2" x 2 1/2" x 3/8" L	ROOF STEEL - 1/8" PLT.	CENTER PLATE HEIGHT — 2'-1 3/4"		

CLASS	CARS
50 TON CEMENT CARS	99600-99629

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JULY 1, 1936

REVISIONS							
A B							
4/18/38	10-21-38						
DR.	TR.	CH.	GROUP NO.	SHEET NO.			
E.L.J.	E.L.J.	FOG	70	3			



THESE CARS CONVERTED FROM 99000-99499 SERIES 1936

GENERAL DATA				MISCELLANEOUS
BUILT BY — STANDARD STEEL CAR CO.	CENTER SILL — 2-12"-34.5# SH. CHAN.	SIDE BEARING CENTERS — 4'-2"		
YEAR BUILT — 1919	CENTER SILL AREA — 24.01 SQ. IN.	SHEATHING — 1/4" STEEL PLATE		
CAPACITY LEVEL FULL—CU. FT. — 1308	CENTER SILL COVER PLATE — 12 1/2" X 5/16"	SUPERSTRUCTURE — STEEL		
CAPACITY WITH 10 IN. HEAP CU. FT.	COUPLER — A.R.R. TYPE "D" 6"X8" SHANK	UNDERFRAME — STEEL		
AVERAGE LOAD LIMIT LBS. — 121300	COUPLER RELEASE RIGGING — CARMER			
AVERAGE LIGHT WEIGHT—LBS — 47700	DOOR — SLIDING	TRUCK DATA		
BUILDERS REFERENCE	DOOR FIXTURES — ENTERPRISE	BOLSTER — CAST STEEL		
R. R. SPEC. NO.	DOOR CLEAR OPENING — 13"X24" & 36"X48"	BRAKE BEAM — NO. 2		
	DRAFT GEAR — WESTINGHOUSE SESSIONS & CARD.	BRAKE BEAM SAFETY CRECO 3 POINT		
	DRAFT GEAR ATTACHMENT — CAST STEEL YOKE	CENTER PLATE — CAST INTEGRAL		
	ENDS — PLAIN STEEL 3/16"	GENERAL DRAWING OF TRUCK NO.		
CAR BODY DATA	END LOAD RATIO — .005	JOURNAL — 5 1/2" X 10"		
AIR BRAKE MFG. — W.A.B. CO.	FLOORING — 1/4" STEEL PLATE	SIDE BEARING — ROLLER		
AIR BRAKE SCHEDULE — KD-1012	GENERAL DRAWING OF CAR NO.	SIDE FRAME — C.S. ANDREWS		
BODY BOLSTER — BUILT UP STEEL	HAND BRAKE — BLACKALL RATCHET	SPRING — A.A.R. STD. TYPE-D		
BODY CENTER PLATE — D.F. OR C.S. PATT. A-995	LINING END —	WHEELS — 33" DIA. CAST IRON		
BODY SIDE BEARING — PLATE	LINING SIDE —	WEIGHT OF ONE TRUCK		
CARLINES — 3 1/2" X 2 1/2" X 3/8" ANGLE	ROOF — 1/8" STEEL PLATE	CENTER PLATE HEIGHT — 2'-1 3/4"		

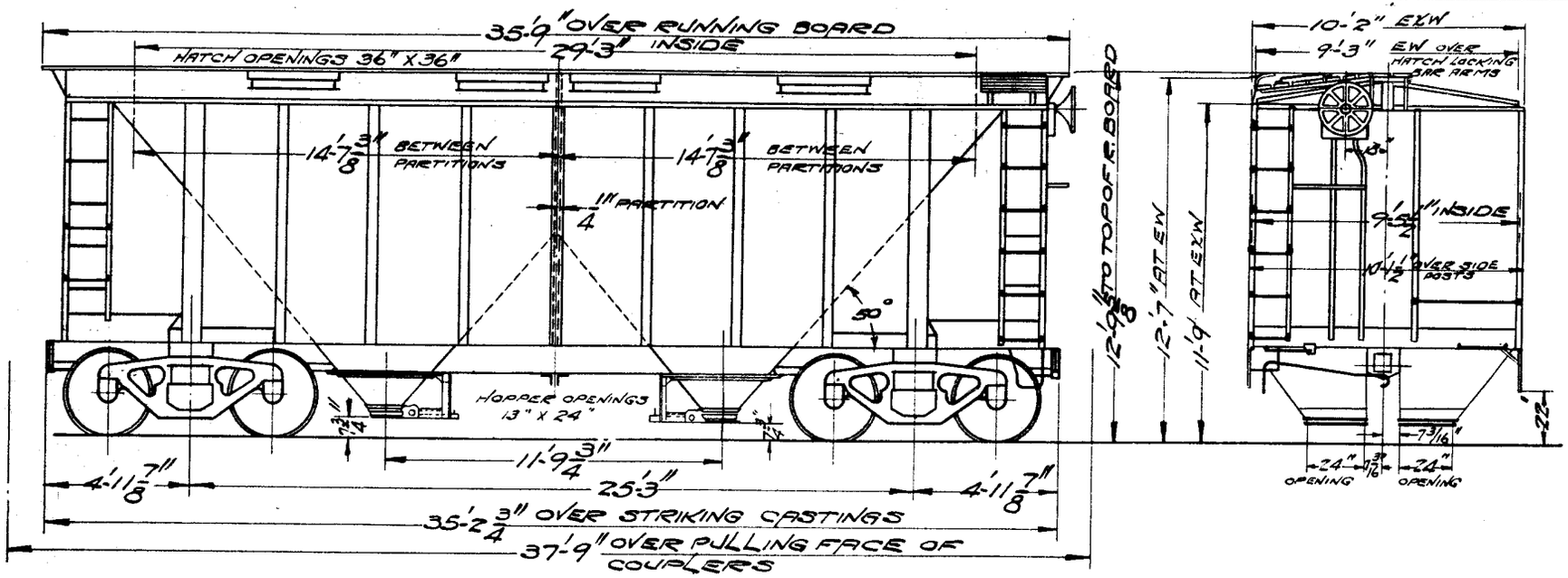
CLASS	CARS
50 TON CEMENT CARS	99630-99639

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JAN. 20, 1937

REVISIONS

1-18-38								
DR	TR	CH	GROUP No.	SHEET No.
	JGB.	CMS.	10	3-A



GENERAL DATA	
BUILT BY	A.C.&F. Co. BERWICK PA.
YEAR BUILT	JUNE & JULY 1937
CAPACITY LEVEL FULL CU. FT	1958
CAPACITY WITH 10 IN. HEAP CU. FT.	
AVERAGE LOAD LIMIT LBS.	158000
AVERAGE LIGHT WEIGHT LBS.	52000
BUILDERS REFERENCE	LOT 1642
R. R. SPEC. NO.	2-CHBC

CAR BODY DATA	
AIR BRAKE MFG.	W.A.B. Co.
AIR BRAKE SCHEDULE	"AB"
BODY BOLSTER	BUILT UP STEEL
BODY CENTER PLATE	DROP FORGED
BODY SIDE BEARING	AXLE STEEL
CARLINES	3" X 3" X 1/4" ANGLE

CENTER SILL	2-12" 35# CHANN.
CENTER SILL AREA	25.29 SQ. IN.
CENTER SILL COVER PLATE	3/8" X 12 7/8"
COUPLER	A.A.R. TYPE "E" 6" X 8" SHANK
COUPLER RELEASE RIGGING	U.M.P. Co. BOTT. OPER.
DOOR	ENTERPRISE
DOOR FIXTURES	ENTERPRISE
DOOR CLEAR OPENING	13" X 24" & 36" X 36"
DRAFT GEAR	C-W-NY-11-E
DRAFT GEAR ATTACHMENT	C.S. YOKE
ENDS	
END LOAD RATIO	.0541
FLOORING	1/4" CBS
GENERAL DRAWING OF CAR NO.	139-11-274
HAND BRAKE	AJAX
LINING END	
LINING SIDE	
ROOF	1/8" C.B.S.

SIDE BEARING CENTERS	4'-2"
SHEATHING	3/16" C.B.S.
SUPERSTRUCTURE	STEEL
UNDERFRAME	STEEL

TRUCK DATA	
BOLSTER	C.S. DOUBLE TRUSS
BRAKE BEAM	A.A.R. #3
BRAKE BEAM SAFETY	CRECO 4 POINT
CENTER PLATE	INTEGRAL
GENERAL DRAWING OF TRUCK NO.	134-4-35
JOURNAL	6" X 11"
SIDE BEARING	STUCKI
SIDE FRAME	SEE NOTE:-1
SPRING	SEE NOTE:-2
WHEELS	33" W.S.M.W.
WEIGHT OF ONE TRUCK	9160 #
CENTER PLATE HEIGHT	2'-1 3/4"

MISCELLANEOUS

NOTE:-1 C.S. DOUBLE TRUSS INTEGRAL BOX TYPE

NOTE:-2 AAR 1915 COIL-5 OUTER 5 INNER & 1-E-2-A STABILIZER PER NEST.

CLASS	CARS
70-TON BULK CEMENT	99700-99724

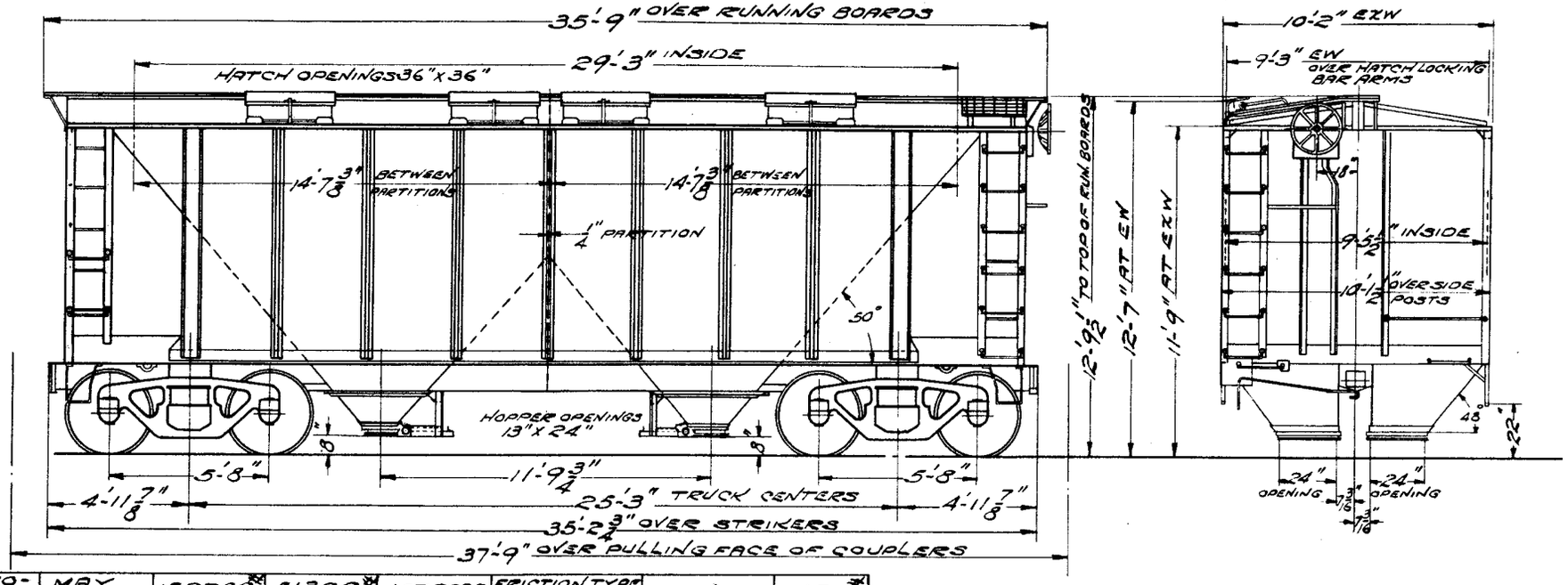
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO JULY 19, 1937

REVISIONS				
A 10-29-38				
DR	TR	CH	GROUP NO.	SHEET NO.
	JGB	CMS	10	4

APEX "TRI-LOK" STEEL BRAKE STEP & RUNNING BOARDS

HAND BRAKE	CARS
AJAX	99725-99749
AJAX	99750-99774
CHAMPION	99775-99799



CARS	YEAR BUILT	AVERAGE LD. LMT.	AVERAGE LGT. WGT.	BUILDERS REFERENCE	DRAFT GEAR	BRAKE BEAM SAFETY	TRUCK WEIGHT
99750-99799	MAY 1940	158700#	51300#	LOT-2033	FRICTION TYPE MINER A-22-18	GRIP NUT CO.	8670#
99725-99749	SEPT. & OCT. 1939	158200#	51800#	LOT-1919	FRICTION TYPE NAT. M-17-A	CRECO 4 POINT	8610#

GENERAL DATA

BUILT BY — A.C.&F. Co. BERWICK PA.
YEAR BUILT — SEE TABLE
CAPACITY LEVEL FULL CU. FT. — 1953
CAPACITY WITH 10 IN. HEAP CU. FT. ———
AVERAGE LOAD LIMIT LBS. SEE TABLE
AVERAGE LIGHT WEIGHT LBS. SEE TABLE
BUILDERS REFERENCE — SEE TABLE
R. R. SPEC. NO. — 3-CHBC

CAR BODY DATA

AIR BRAKE MFG. — N.Y.A.B
AIR BRAKE SCHEDULE — "AB"
BODY BOLSTER — BUILT UP STEEL
BODY CENTER PLATE — DROP FORGED
BODY SIDE BEARING — STEEL, DROP FORGED
CARLINES — 3" X 3" X 1/4" ANGLES

CENTER SILL — 2-12" 35# CHANNELS
CENTER SILL AREA — 25.29 SQ. IN.
CENTER SILL COVER PLATE — 3/8" X 12 7/8"
COUPLER — A.A.R. 6 1/4 X 8" TYPE "E" BOTT. OPER'TG.
COUPLER RELEASE RIGGING — STD. RY. EQUIP. CO. BOTT. OPER'TG.
DOOR — HOPPER — ENTERPRISE
DOOR FIXTURES HOPPER — ENTERPRISE
DOOR CLEAR OPENING — ~~ROOF 36" X 36"~~, HOPP. 13" X 24"
DRAFT GEAR — SEE TABLE
DRAFT GEAR ATTACHMENT — CAST STEEL YOKE
ENDS ———
END LOAD RATIO — .0541
FLOORING — 1/4" C.B. STEEL
GENERAL DRAWING OF CAR NO. 139-11-320
HAND BRAKE — SEE TABLE
LINING END ———
LINING SIDE ———
ROOF — 1/8" C.B. STEEL

SIDE BEARING CENTERS — 4'-2"
SHEATHING — 3/16" C.B. STEEL
SUPERSTRUCTURE — STEEL
UNDERFRAME — STEEL

TRUCK DATA

BOLSTER — C.S. DOUBLE TRUSS
BRAKE BEAM — A.A.R. NO. 3
BRAKE BEAM SAFETY — SEE TABLE
CENTER PLATE — CAST INTEGRAL
GENERAL DRAWING OF TRUCK NO. 184-4-85
JOURNAL — 6" X 11"
SIDE BEARING — STUCKI ROLLER TYPE
SIDE FRAME — SEE NOTE:-2
SPRING — SEE NOTE:-1
WHEELS — 33" DIA. W. STEEL TWO WEAR
WEIGHT OF ONE TRUCK SEE TABLE
CENTER PLATE HEIGHT — 2'-1 3/4"

MISCELLANEOUS

NOTE:-1, A.A.R. 1913 COIL 3-OUTER, 5-INNER & 1-F-2-A STABILIZER PER NEST.
NOTE:-2, CAST STEEL DOUBLE TRUSS INTEGRAL BOX TYPE.

	99750-99799
	99725-99749
CLASS	CARS

70-TON BULK CEMENT

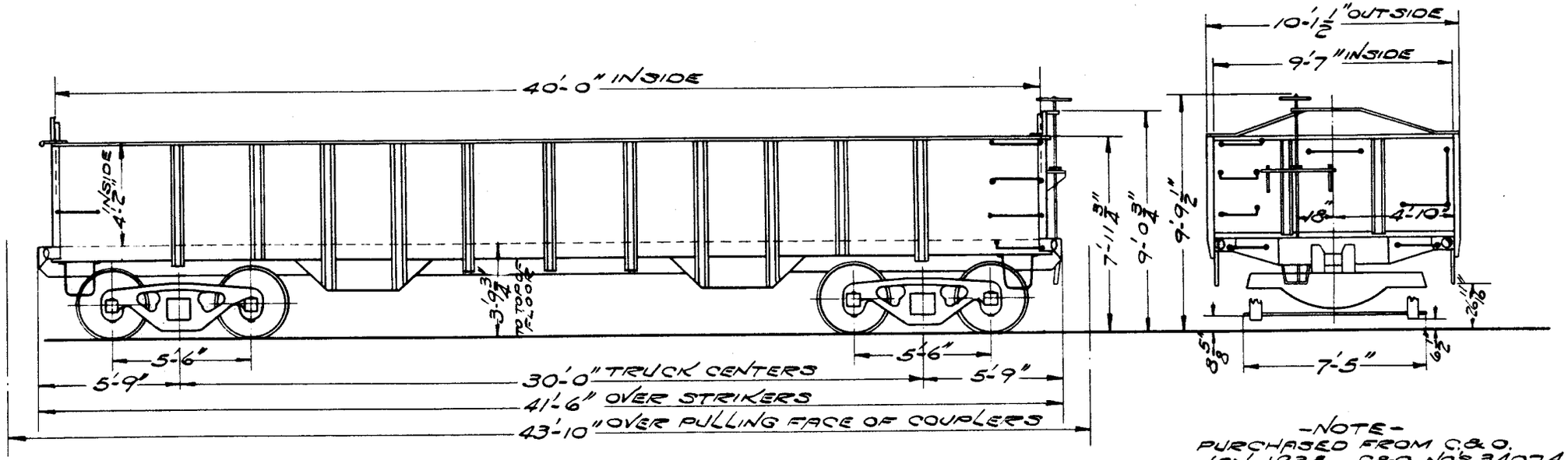
N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO OCTOBER 11, 1939

REVISIONS

DR	TR	CH	GROUP NO.	SHEET NO.
JGB	JGB	OA	10	5

GROUP NO. 11
D.B. GONDOLA CARS



-NOTE-
PURCHASED FROM C.&O.
JAN. 1938. C&O NOS. 34074
AND 35236.

GENERAL DATA			
BUILT BY — P.S.C. CO.	CENTER SILL — 15"-33# CHANNEL	SIDE BEARING CENTERS — 5'-0"	MISCELLANEOUS
YEAR BUILT — 1908	CENTER SILL AREA — 24.80 SQ. IN.	SHEATHING	
CAPACITY LEVEL FULL CU. FT — 1711	CENTER SILL COVER PLATE — 1/4" X 20"	SUPERSTRUCTURE — STEEL	
CAPACITY WITH 10 IN. HEAP CU. FT — 2030	COUPLER — A.A.R. D-10 5"X7" SHANK	UNDERFRAME — STEEL	
AVERAGE LOAD LIMIT LBS — 129200	COUPLER RELEASE RIGGING — CHAIN & CLEVIS		
AVERAGE LIGHT WEIGHT LBS — 39800	DOOR — 1/4" PRESSED STEEL	**TRUCK DATA**	
BUILDERS REFERENCE — O.O. 6260	DOOR FIXTURES — WIRE BUILT WITH SIMONTON	BOLSTER — CAST STEEL	
R. R. SPEC. NO —	DOOR CLEAR OPENING — 37" X 32 1/2"	BRAKE BEAM — A.A.R. NO. 2 +	
	DRAFT GEAR — MINER 19-19.28	BRAKE BEAM SAFETY	
	DRAFT GEAR ATTACHMENT — C.S. YOKE	CENTER PLATE — O.F. BUILT WITH C.S.	
	ENDS — PLAIN - STEEL	GENERAL DRAWING OF TRUCK NO	
CAR BODY DATA	END LOAD RATIO	JOURNAL — 5 1/2" X 10"	
AIR BRAKE MFG — W.A.B. CO.	FLOORING — 1/4" STEEL	SIDE BEARING — POCKET & SHOE	
AIR BRAKE SCHEDULE — KO-8-12	GENERAL DRAWING OF CAR NO C&O 3716 & 3788	SIDE FRAME — CAST STEEL	
BODY BOLSTER — BUILT UP STEEL	HAND BRAKE — PLAIN	SPRING — ORG. 76-2-172	
BODY CENTER PLATE — O.F. BUILT WITH C.S.	~~LINING~~ END — 1/4" STEEL	WHEELS — CAST IRON	
BODY SIDE BEARING — MALL. IRON	~~LINING~~ SIDE — 1/4" STEEL	WEIGHT OF ONE TRUCK	
CAP. LINES	ROOF		

CLASS	CARS
50 TON D.B. GONDOLA	69000&69001

N.K.P.

ADVISORY MECHANICAL COMMITTEE
CLEVELAND, OHIO MARCH 24, 1938

REVISIONS

DR	TR	CH	GROUP NO	SHEET NO
	J.G.B.	C.M.D.	11	1