



HEAVY DUTY EQUIPMENT GUIDE



2022

TABLE OF CONTENTS

Introduction

About TTX	iii
Introduction	iv
TTX Heavy Duty Car Number Series	v
Depressed Center Heavy Duty Flatcars	vi
Flat Deck Heavy Duty Flatcars	vii

TTX Heavy Duty Flatcar Fleet

Depressed Center Heavy Duty Railcars

<u>Deck Length</u>	<u>Number of Axles</u>	<u>Page</u>
18'-6"	4	1-2
25'	4	3-4
25'	8	5-8
25'	8	9-10
27'	8	11-14
32'	8	15-16
32'	12	17-18
38'	4	19-20
47'	8	21-26

Flat Deck Heavy Duty Railcars

<u>Deck Length</u>	<u>Number of Axles</u>	<u>Page</u>
45'	12	27-32
48'	12	33-34
50'	8	35-36
53'	12	37-40
55'	8	41-46
60'	4	47-50
70'	8	51-54
89'	4	55-56

Appendices

Appendix A: Light Weight & Load Limit Tables	57
--	----

ABOUT TTX

Since 1955, TTX has been a unique and creative provider to the rail industry. Throughout the United States, Canada and Mexico, the signature yellow cars of TTX Company move along North America's railroads carrying containers, trailers, automobiles, lumber, steel, paper and a long list of other goods and raw materials that consumers and companies rely on every day.

But, TTX is not a railroad. And, it is not a railcar leasing company.

TTX is a railcar pooling company. Founded as Trailer Train in 1955 by the Pennsylvania Railroad, the subsidiary invested in a new technology - flatcars that would haul highway trailers. More rail carriers soon bought stock as well, and in 1974 they proposed to establish the distribution principles under a "pooling agreement" approved by the federal Interstate Commerce Commission (ICC).

Pooling means that railroads share the railcars bringing several benefits. First, railroads have the flexibility to respond to changing market conditions because the fleet is already established. Second, they do not have to waste resources switching out and returning empty railcars, eliminating supply chain inefficiencies. Third, the capital burden on railroads is reduced because TTX buys the cars, lowering operating costs, and reducing the industry's risk. All of these help keep the railroads competitive to the benefit of the shipping public.

Our right-sized, low cost, reliable fleet of 168,000 railcars serves North America's railroads and the world's freight needs. TTX helps railroads meet their customers' needs by providing well-maintained railcars in an efficient, pooled environment, investing over \$10 billion in additional railcars, since 2000.

TTX has a complete engineering and design team to care for its large and varied fleet with maintenance operations in terminals across the network. Keeping a fleet shared by different railroads in safe, operable condition requires a major commitment and investment – TTX spends over \$600 million a year on railcar maintenance alone.

In addition to this vital role as a railcar pool operator, TTX invests in and operates sophisticated industry technology solutions. These solutions improve the quality and timeliness of financial and operating information for managing our business and that we share with our owners to help them manage theirs. Further, TTX is a recognized innovator in the technical design and engineering of railcar components.

To learn more about TTX, please visit www.TTX.com.

INTRODUCTION

The purpose of this directory is to provide a single reference document to aid in understanding the TTX Heavy Duty fleet and how it can accommodate industry needs. The directory provides combined equipment specifications, car diagrams and loading data to assist the industry in selecting the proper car for any load.

If you have any questions on this directory or on TTX Heavy Duty cars please contact:

HeavyDuty@ttx.com

OR

TTX Engineering Help Desk

1.800.TTX.HELP

EngHelp@ttx.com

*Note: individual car specifications and characteristics should be validated within Umler or with TTX.

HEAVY DUTY FLATCAR CAR NUMBER SERIES

<u>Car Number Series</u>	<u>Car Type</u>	<u>Number of Axles</u>	<u>Number of Cars</u>	<u>Page Numbers</u>
130500-130504	47' FD	8	4	21-26
130525 - 130534	25' FD	4	10	3-4
130550 - 130567	25' FD	8	17	5-8
130575 - 130580	38' FD	4	6	19-20
130600 - 130605	32' FD	8	6	15-16
130650 - 130655	32' FD	12	6	17-18
130700 - 130749	27' FD	8	50	11-14
130962 - 130964, 130966	25' FD	8	4	9-10
130970 - 130971	18'-6" FD	4	2	1-2
131000 - 131005	50' FM	8	6	35-36
131100 - 131127	45' FM	12	28	27-32
131025 - 131056	55' FM	8	32	41-46
131140	48' FM	12	1	33-34
131200 - 131211	60' FM	4	12	47-50
131250 - 131459	70' FM	8	210	51-54
131600 - 131636	53' FM	12	34	37-40
132000 - 132049	89' FM	4	50	55-56
		TOTAL	478	

FD = Depressed Center Cars

FM = Flat Deck Cars

DEPRESSED CENTER HEAVY DUTY FLATCARS

<u>Loading Deck Length</u>	<u>Height*</u>	<u>Average Load Limit</u>	<u>No. of Axles</u>	<u>Axle Size</u>	<u>Number of Cars</u>	<u>Car Class</u>	<u>Page Number</u>
18' 6"	1' 8"	62,450	4	6-1/2" x 12"	2	MDH18	1
25'	2' 2"	244,780	4	7" x 12"	10	DDH24	3
25'	2' 2"	382,500	8	6-1/2" x 12"	6	DDH25	5
25'	2' 2"	409,800	8	6-1/2" x 12"	11	KDH25A	7
25'	2' 1"	307,900	8	6" x 11"	4	MDH25	9
27'	2' 5"	459,625	8	7" x 12"	4	IDH27	11
27'	2' 5"	459,600	8	7" x 12"	4	KDH27	11
27'	2' 5"	465,775	8	7" x 12"	4	DDH27	13
27'	2' 5"	466,250	8	7" x 12"	38	HDH27	13
32'	2' 8"	370,480	8	7" x 12"	5	IDH32	15
32'	2' 8"	366,000	8	7" x 12"	1	KDH32	15
32'	3' 1"	665,000	12	7" x 12"	6	KDH32A	17
38'	2' 1"	223,700	4	7" x 12"	6	DDH38	19
47'	2' 7"	298,050	8	6-1/2" x 12"	1	IDH47	21
47'	2' 8"	344,500	8	6-1/2" x 12"	2	DDH47	23
47'	2' 7"	326,100	8	6-1/2" x 12"	1	KDH47	25
TOTAL					105		

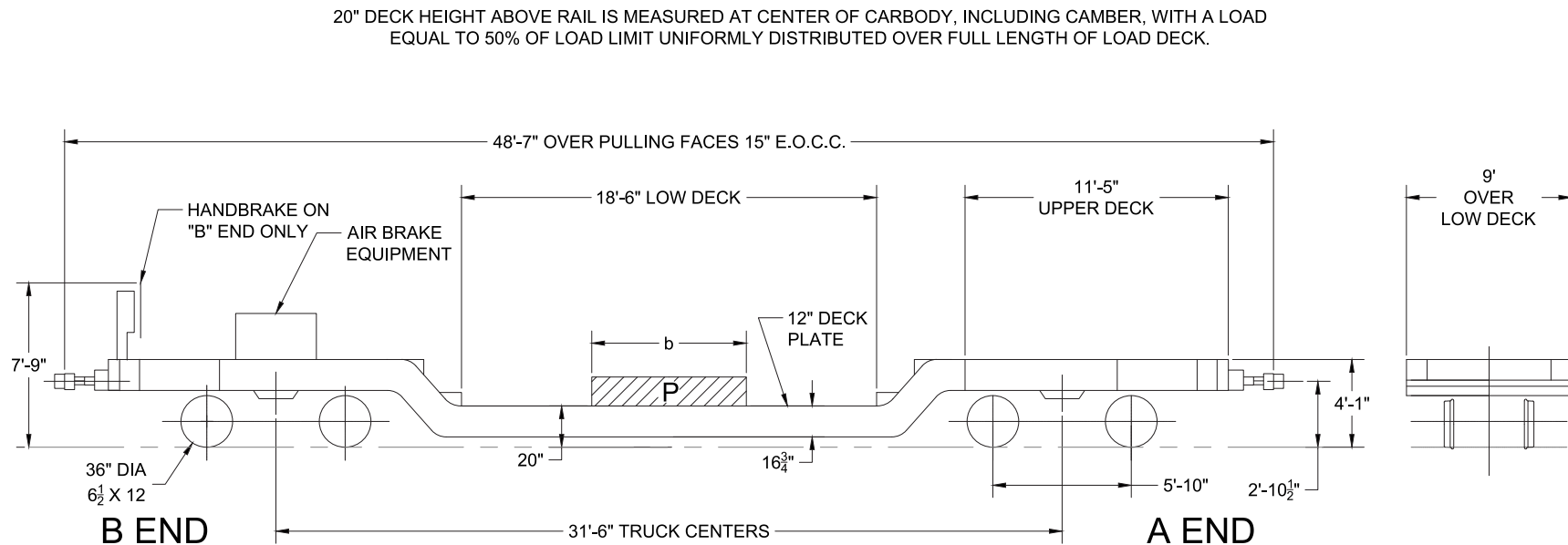
*Note: Deck height measured at center of car body, when carrying a load equal to 50% of load limit uniformly distributed over the full length of the loading deck.

FLAT DECK HEAVY DUTY FLATCARS

<u>Loading Deck Length</u>	<u>Height*</u>	<u>Average Load Limit</u>	<u>No. of Axles</u>	<u>Axle Size</u>	<u>Number of Cars</u>	<u>Car Class</u>	<u>Page Number</u>
45'	4' 5-1/2"	737,475	12	7" x 12"	4	NSH45	27
45'	4' 5-1/2"	742,300	12	7" x 12"	3	DSH45	29
45'	4' 5-1/2"	743,900	12	7" x 12"	3	DSH45A	31
45'	4' 5-1/2"	744,350	12	7" x 12"	18	HSH45A	31
48'	4' 5"	744,000	12	7" x 12"	1	KSH48	33
50'	4' 2-5/8"	484,900	8	7" x 12"	6	ISH50	35
53'	4' 6-1/2"	722,775	12	7" x 12"	23	HSH53	37
53'	4' 6-1/2"	741,850	12	7" x 12"	11	NSH53	39
55'	4' 1"	393,650	8	6-1/2" x 12"	22	DSH55	41
55'	4' 1"	439,250	8	6-1/2" x 12"	5	DSH55A	43
55'	4' 1"	438,000	8	6-1/2" x 12"	5	KSH55A	45
60'	3' 7"	213,425	4	6-1/2" x 12"	10	DSH60	47
60'	3' 8"	240,000	4	7" x 12"	2	KSH60	49
70'	4' 4"	458,950	8	7" x 12"	10	SSH70	51
70'	4' 4"	456,025	8	7" x 12"	65	JSH70	51
70'	4' 4"	469,375	8	7" x 12"	135	RSH70	53
89'	4' 0"	230,775	4	7" x 12"	50	HSH89	55
TOTAL					373		

*Note: Deck height measured at center of car body, when carrying a load equal to 50% of load limit uniformly distributed over the full length of the loading deck.

FD 18'-6" DECK 4 AXLE CAR DRAWING



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS	
LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	143.0*
2	147.5
4	152.5
6	158.0
8	164.0
10	170.0
12	176.5
14	184.0
16	192.0
18 & OVER	LOAD LIMIT
* MAX. CONCENTRATED LOAD	

CAR NUMBERS QTTX 130970-130971

CENTER OF GRAVITY - EMPTY = 24" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "B"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

		TTX COMPANY CHICAGO, ILLINOIS	
100 TON, 18'-6" DECK DEPRESSED CENTER FLAT CAR			
CLASS MDH18	DATE 05-15-02	REV H	12149

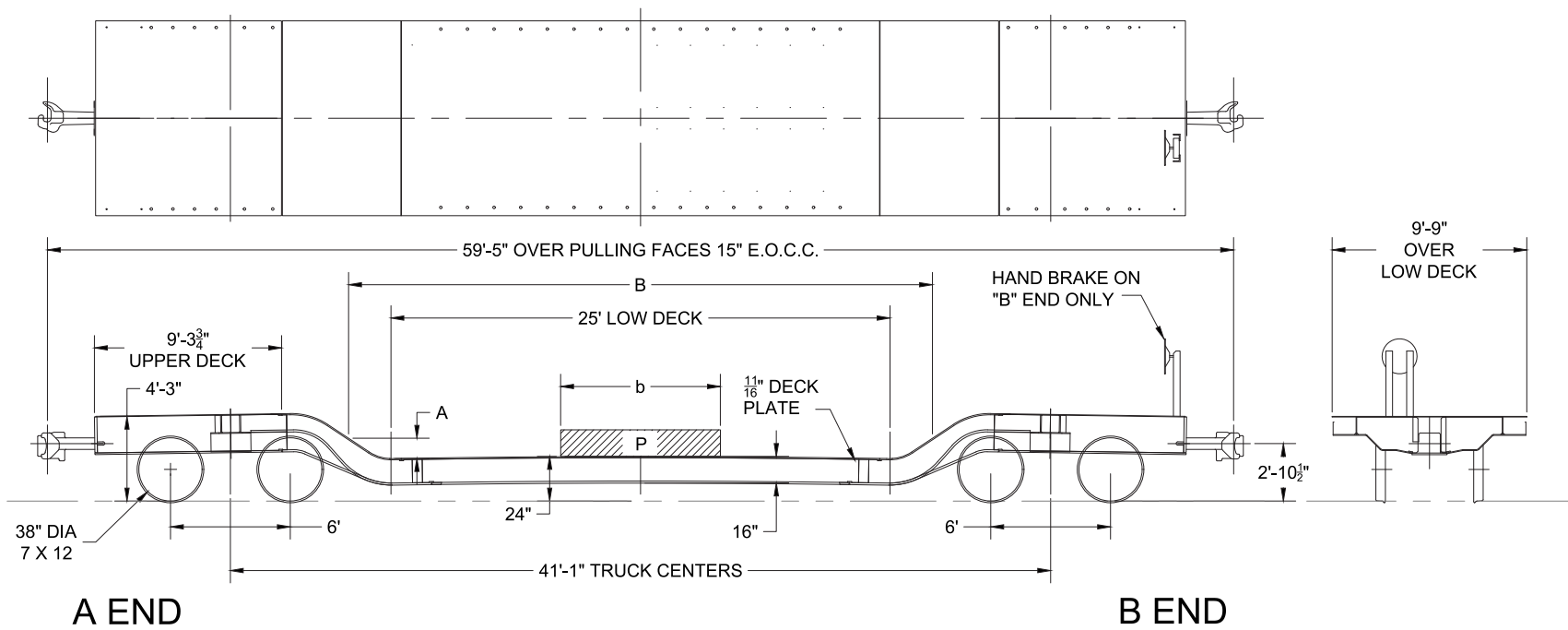
COOPERS RATING 100 Ton 18' - 6" FD - MDH18 QTTX 130970-130972

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	65.75	5.833				
2	65.75	25.667				
3	65.75	5.833				
4	65.75	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	132	65.8	84	60.8	84	47.7
10	165	58.6	93	62.1	93	46.6
12	226	56.5	100	56.9	100	42.7
13	257	54.1	102	55.2	102	41.4
14	288	52.4	104	54	104	39.9
15	320	51.2	106	53	106	38.8
16	352	50.2	108	50.6	108	37.8
18	416	48.9	110	47.2	110	36.3
20	480	46.5	112	44.9	112	34.3
25	641	42.1	116	41.1	116	30.7
30	804	39.2	119	37.7	128	29.7
35	967	37	127	36.8	145	29.7
40	1130	34.5	140	37.2	159	29.5
45	1294	32.3	154	37.7	171	28.8
50	1473	31	165	37.8	180	28
60	2054	31.6	181	37	194	25.3
70	2686	31.5	193	34.9	204	23
80	3324	30.8	202	32.5	211	21.2
90	3967	29.7	208	30.4	217	19.9
100	4612	28.6	214	28.5	222	18.7
120	5909	25.6	222	25.6	228	16.8
140	7211	23.3	228	23.2	233	15.2
160	8517	21.4	232	21.3	237	13.8
180	9824	20	236	19.7	240	12.6
200	11133	18.8	238	19.2	242	11.6
225	12771	17.5	241	16.8	245	10.5
250	14410	16.4	243	15.5	246	9.6
275	16050	15.4	245	14.5	248	8.8
300	17690	14.5	247	13.5	249	8.1
350	20972	12.9	249	12	251	7.1
400	24256	11.6	251	10.7	253	6.2

FD 25' DECK 4 AXLE CAR DRAWING

26" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS	
LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	214.5*
2	220.0
4	225.5
6	231.5
8	238.0
10	244.5
12 & OVER	LOAD LIMIT

* MAX. CONCENTRATED LOAD

BOTTOM OF LOAD ABOVE DECK A	MAX. LENGTH OF LOAD B
12"	29'-0"
18"	29'-10"
24"	29'-10"

CAR NUMBERS QTTX 130525-130534

CENTER OF GRAVITY - EMPTY = 25" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "C"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

TTX		TTX COMPANY CHICAGO, ILLINOIS	
122 TON, 25 FOOT DECK DEPRESSED CENTER FLAT CAR			
CLASS DDH24	DATE 02-15-95	REV G	9921

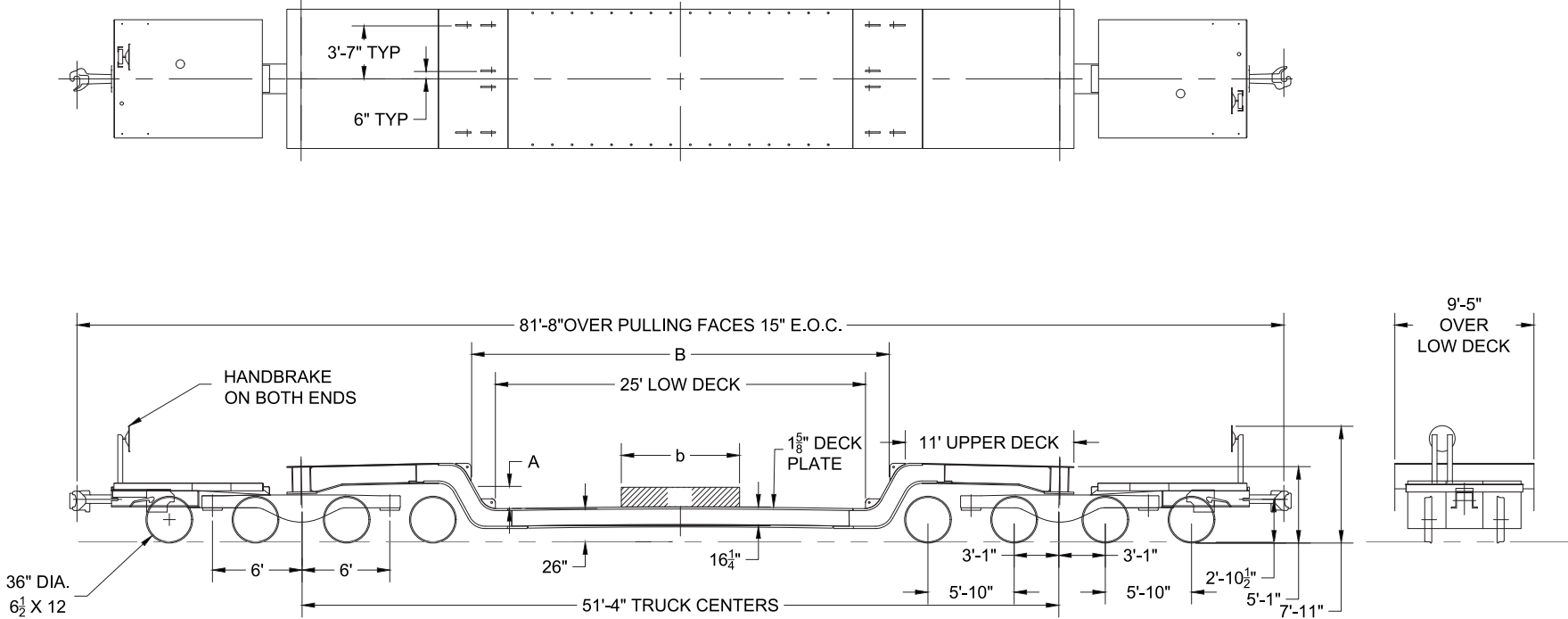
COOPERS RATING 122 Ton 25' FD - DDH24 QTTX 130525-130534

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	6				
2	78.75	35.083				
3	78.75	6				
4	78.75	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	158	78.8	98	71.6	98	56.3
10	197	70	110	73.5	110	55.1
12	266	66.4	118	67.5	118	50.6
13	303	63.8	121	65.6	121	49.2
14	340	61.9	124	64.2	124	47.5
15	378	60.5	126	63	126	46.1
16	416	59.4	128	60.2	128	45
18	492	57.9	131	56.2	131	43.3
20	569	55.2	134	53.6	134	40.8
25	762	50	139	49	139	36.6
30	957	46.6	142	45	142	32.9
35	1152	44.1	144	41.6	144	29.5
40	1348	41.1	146	38.6	155	28.8
45	1544	38.6	154	37.7	171	28.9
50	1740	36.6	167	38.2	186	28.8
60	2132	32.8	191	39.1	207	27
70	2623	30.7	209	37.8	223	25.1
80	3367	31.2	222	35.8	234	23.5
90	4121	30.9	233	33.9	243	22.2
100	4882	30.3	241	32.1	250	21.1
120	6417	27.8	253	29.2	261	19.2
140	7963	25.7	262	26.7	269	17.5
160	9516	23.9	269	24.6	275	16
180	11074	22.5	274	22.8	279	14.6
200	12636	21.3	278	22.3	283	13.5
225	14591	20	282	19.6	286	12.3
250	16549	18.8	285	18.2	289	11.2
275	18509	17.8	288	17	291	10.3
300	20470	16.8	290	15.9	293	9.6
350	24396	15	294	14.1	297	8.3
400	28325	13.5	296	12.7	299	7.4

FD 25' DECK 8 AXLE CAR DRAWING

26" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS	
LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	330.0*
2	336.5
4	343.5
6	350.5
8	358.0
10	365.5
12	374.0
14 & OVER	LOAD LIMIT

* MAX. CONCENTRATED LOAD

CENTER OF GRAVITY - EMPTY = 29" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "C"

BOTTOM OF LOAD ABOVE DECK A	MAX. LENGTH OF LOAD B
12"	27'-2"
18"	27'-9"
24"	28'-3"

CAR NUMBERS QTTX 130550-130556

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

TTX		TTX COMPANY CHICAGO, ILLINOIS	
195 TON, 25 FOOT DECK DEPRESSED CENTER FLAT CAR			
CLASS DDH25	DATE 08-04-92	REV 1	7218

COOPERS RATING 195 Ton 25' FD - DDH25 QTTX 130550-130556

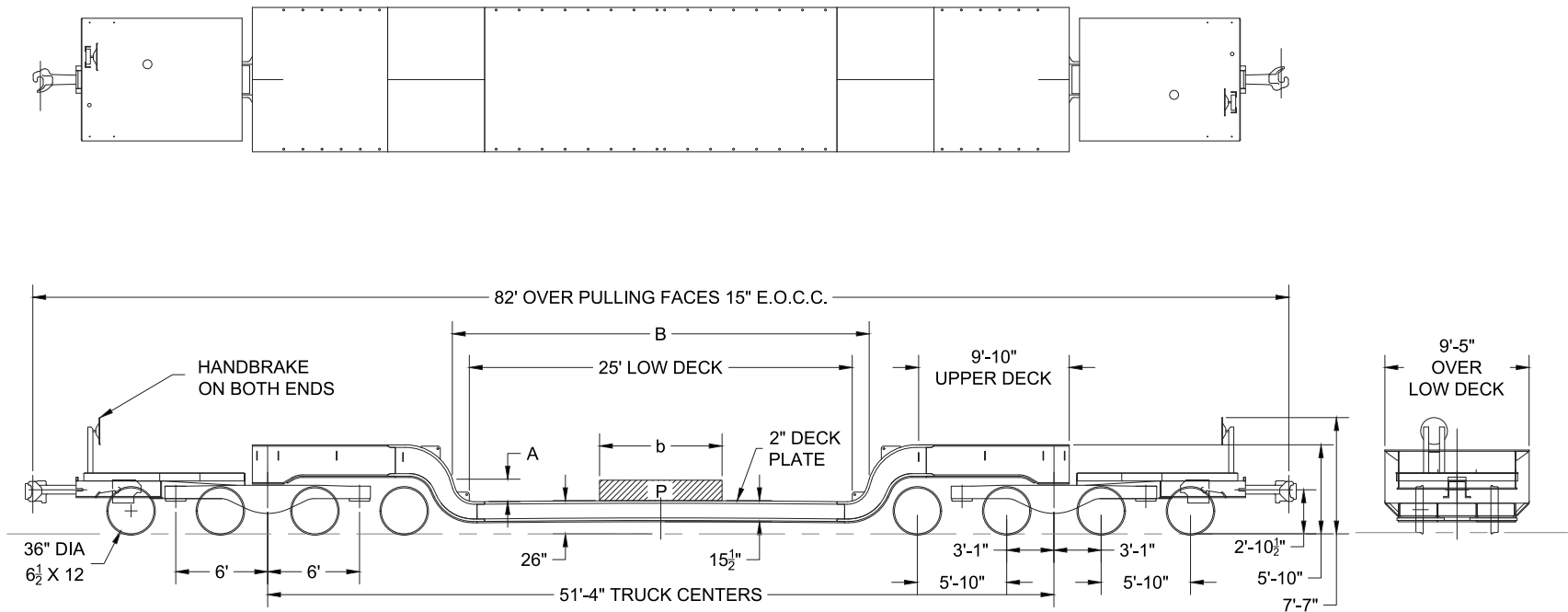
The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	65.75	5.833				
2	65.75	6.167				
3	65.75	5.833				
4	65.75	35.5				
5	65.75	5.833				
6	65.75	6.167				
7	65.75	5.833				
8	65.75	0				

SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	132	65.8	84	60.8	99	56.4
10	165	58.6	93	62.1	118	59.2
12	226	56.5	100	56.9	132	56.4
13	257	54.1	107	58	142	57.5
14	296	53.8	113	58.9	150	57.6
15	345	55.2	119	59.5	158	57.7
16	395	56.4	124	58.3	164	57.8
18	493	58	133	56.9	175	57.8
20	592	57.4	146	58.3	184	56.2
25	880	57.7	169	59.9	200	52.9
30	1204	58.7	185	58.6	210	48.8
35	1530	58.5	196	56.7	218	44.7
40	1857	56.6	204	54.2	224	41.4
45	2184	54.5	211	51.6	233	39.3
50	2511	52.8	216	49.6	250	38.8
60	3166	48.8	232	47.4	292	38.1
70	3822	44.8	260	47	326	36.8
80	4479	41.5	292	47	351	35.3
90	5354	40.1	318	46.3	370	33.9
100	6551	40.7	339	45.2	386	32.5
120	9112	39.5	370	42.6	409	30.1
140	11693	37.7	392	40	426	27.7
160	14286	35.9	409	37.5	438	25.5
180	16887	34.3	422	35.2	448	23.5
200	19494	32.9	432	34.7	456	21.8
225	22758	31.2	443	30.8	464	19.9
250	26027	29.6	451	28.8	470	18.2
275	29300	28.1	458	27	475	16.8
300	32575	26.7	464	25.4	479	15.6
350	39130	24.1	473	22.7	486	13.7
400	45690	21.8	479	20.5	491	12.1

FD 25' DECK 8 AXLE CAR DRAWING

26" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS	
LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	353.5*
2	360.5
4	368.0
6	375.5
8	383.5
10	392.0
12	400.5
14 & OVER	LOAD LIMIT

* MAX. CONCENTRATED LOAD
CENTER OF GRAVITY - EMPTY = 29" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "C"

BOTTOM OF LOAD ABOVE DECK A	MAX. LENGTH OF LOAD B
12"	26'-10"
18"	27'-2"
24"	27'-8"

CAR NUMBERS QTTX 130557-130567

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

TTX		TTX COMPANY CHICAGO, ILLINOIS	
210 TON, 25 FOOT DECK DEPRESSED CENTER FLAT CAR			
CLASS KDH25A	DATE 06-01-00	REV G	9992

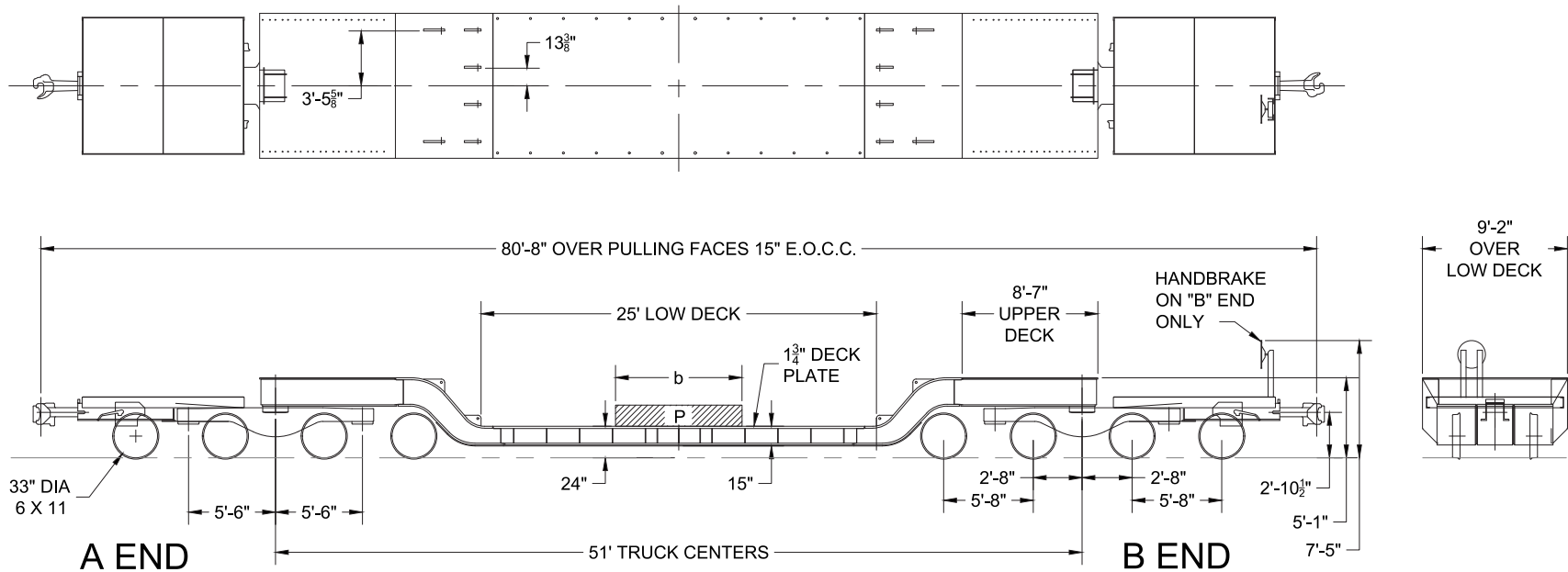
COOPERS RATING 210 Ton 25' FD - KDH25A QTTX 130557-130567

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	71.5	5.833				
2	71.5	6.167				
3	71.5	5.833				
4	71.5	33.5				
5	71.5	5.833				
6	71.5	6.167				
7	71.5	5.833				
8	71.5	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	143	71.5	91	66.1	107	61.3
10	179	63.8	101	67.5	129	64.4
12	246	61.4	108	61.9	143	61.3
13	280	58.9	116	63.1	154	62.6
14	322	58.5	123	64	163	62.7
15	375	60.1	129	64.7	172	62.8
16	429	61.3	135	63.4	179	62.9
18	536	63.1	144	61.9	191	62.9
20	644	62.4	158	63.4	200	61.1
25	957	62.7	184	65.1	217	57.5
30	1310	63.8	201	63.8	229	53
35	1664	63.6	213	61.6	237	48.6
40	2019	61.6	222	59	244	45.2
45	2375	59.3	229	56.1	257	43.3
50	2731	57.4	235	53.9	280	43.5
60	3443	53	257	52.5	327	42.7
70	4157	48.7	289	52.4	362	40.9
80	4918	45.5	325	52.3	388	39.1
90	5980	44.8	352	51.3	409	37.4
100	7361	45.7	374	49.9	425	35.9
120	10154	44	407	46.9	450	33.1
140	12966	41.8	431	43.9	467	30.4
160	15790	39.7	448	41.1	480	27.9
180	18622	37.9	462	38.5	490	25.7
200	21460	36.2	473	38	499	23.8
225	25013	34.3	484	33.7	507	21.7
250	28570	32.5	493	31.5	513	19.9
275	32130	30.9	500	29.5	519	18.4
300	35693	29.3	506	27.8	523	17.1
350	42824	26.3	515	24.8	530	14.9
400	49960	23.8	523	22.4	535	13.2

FD 25' DECK 8 AXLE CAR DRAWING

25" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS	
LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
2	258.5*
4	263.5
6	269.0
8	275.0
10	281.0
12	287.0
14	293.5
16	300.5
18 & OVER	LOAD LIMIT

*MAX CONCENTRATED LOAD

CENTER OF GRAVITY - EMPTY = 25" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "C"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

CAR NUMBERS QTTX 130962-130964
CAR NUMBER QTTX 130966

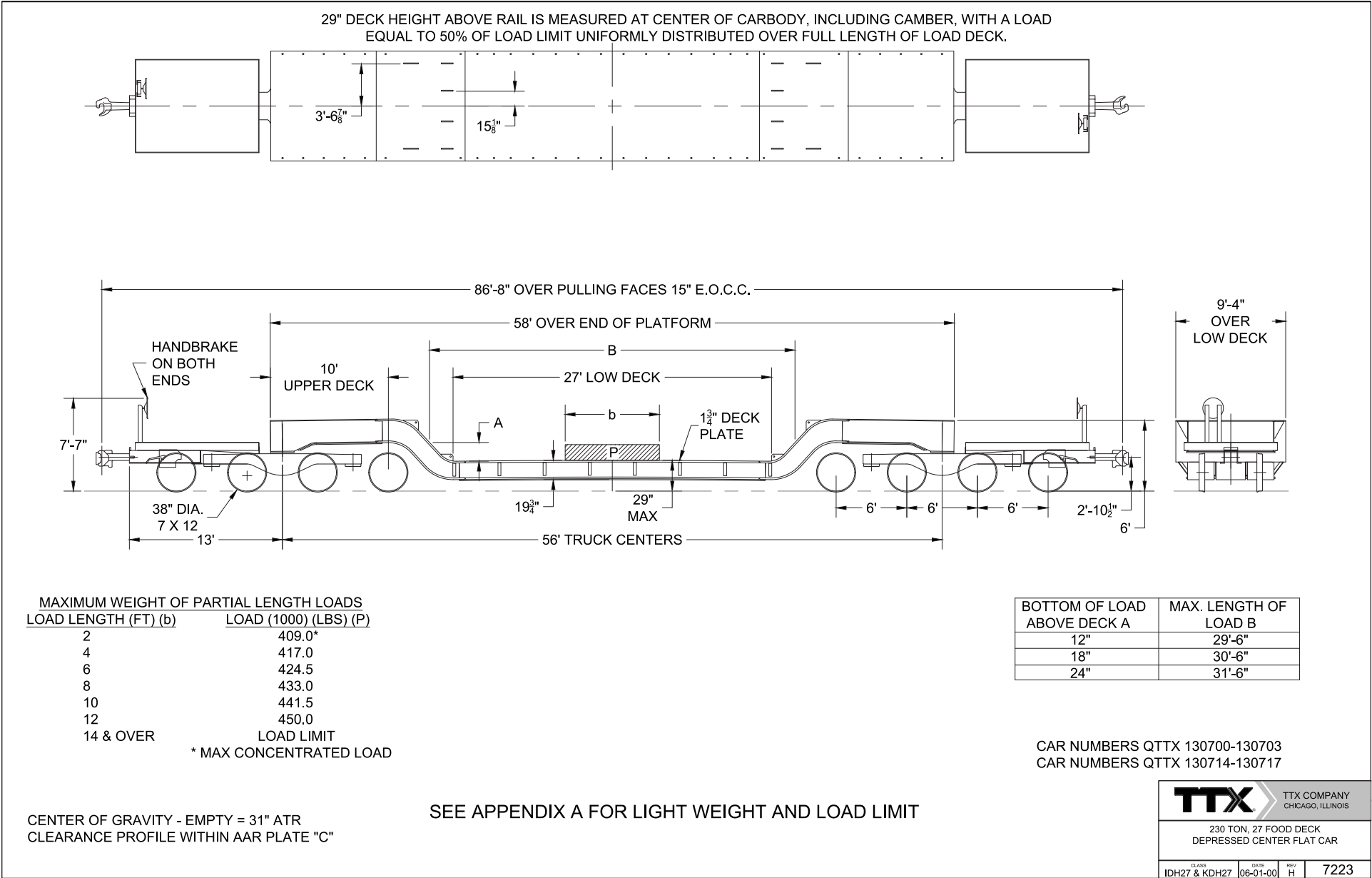
		TTX COMPANY CHICAGO, ILLINOIS	
150 TON, 25 FOOT DECK DEPRESSED CENTER FLAT CAR			
CLASS MDH25	DATE 04-04-01	REV F	12148

COOPERS RATING 150 Ton 25' FD - MDH25 QTTX 130962-130966

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	55	5.667				
2	55	5.333				
3	55	5.667				
4	55	34.333				
5	55	5.667				
6	55	5.333				
7	55	5.667				
8	55	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	110	55	73	53.3	89	51.1
10	148	52.6	81	53.8	105	52.3
12	200	49.9	90	51.5	119	51.1
13	234	49.2	96	51.9	127	51.6
14	275	50	101	52.3	134	51.2
15	316	50.6	105	52.6	139	51
16	358	51.1	109	51.2	144	50.8
18	440	51.8	118	50.6	153	50.4
20	523	50.7	128	51.3	160	48.7
25	786	51.5	147	51.9	172	45.4
30	1058	51.6	159	50.4	180	41.7
35	1331	50.9	168	48.5	185	38
40	1605	49	174	46.2	190	35.1
45	1879	46.9	179	43.9	199	33.6
50	2153	45.3	183	42	217	33.7
60	2702	41.6	201	41	253	33
70	3251	38.1	227	41.1	280	31.6
80	3825	35.4	254	40.9	300	30.1
90	4650	34.8	275	40	315	28.9
100	5714	35.5	291	38.8	328	27.6
120	7860	34.1	316	36.4	347	25.5
140	10022	32.3	334	34	360	23.4
160	12193	30.7	347	31.8	370	21.5
180	14370	29.2	357	29.8	378	19.8
200	16552	27.9	366	29.4	384	18.3
225	19284	26.5	374	26	390	16.7
250	22020	25.1	380	24.3	395	15.3
275	24758	23.8	386	22.8	399	14.2
300	27498	22.5	390	21.4	403	13.1
350	32983	20.3	397	19.1	408	11.5
400	38471	18.4	403	17.3	412	10.2

FD 27' DECK 8 AXLE CAR DRAWING



COOPERS RATING 230 Ton 27' FD IDH27 - QTTX 130700-130703 KDH27 - QTTX 130714-130717

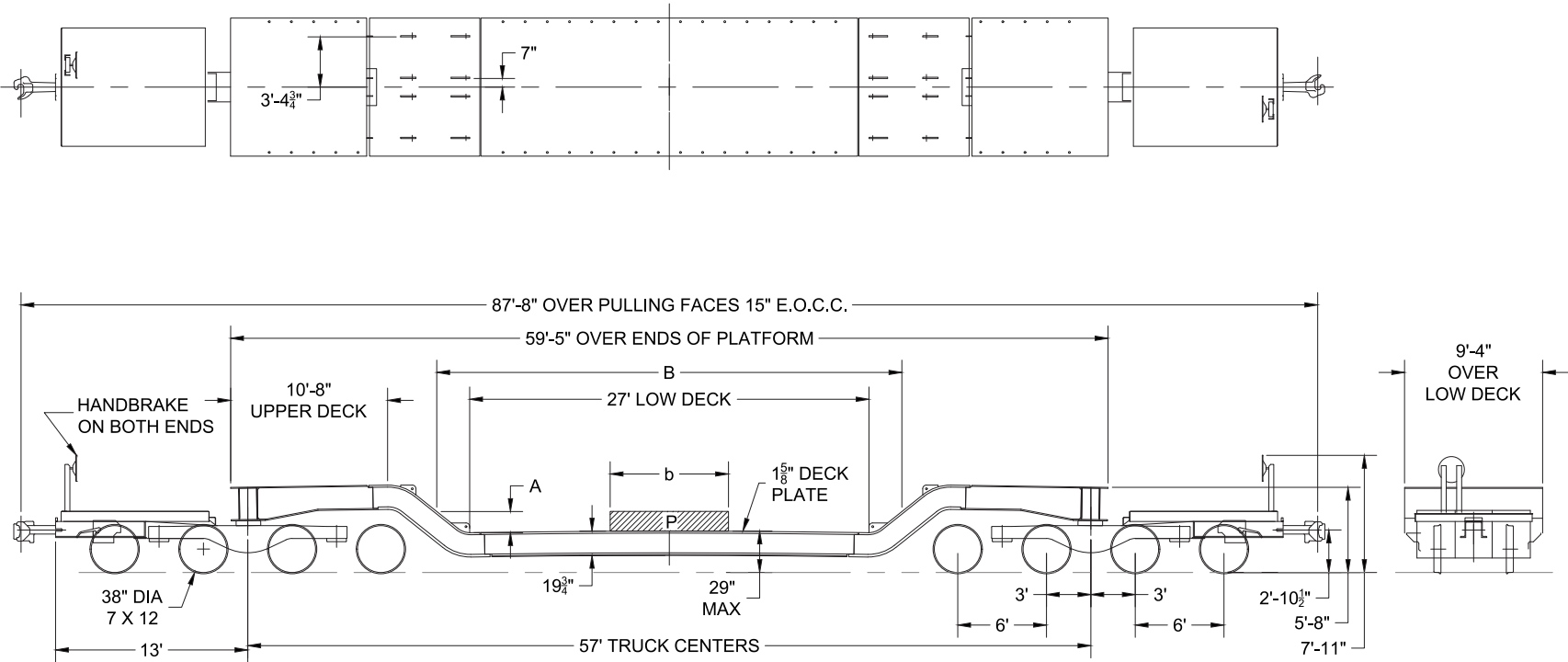
The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	6				
2	78.75	6				
3	78.75	6				
4	78.75	38				
5	78.75	6				
6	78.75	6				
7	78.75	6				
8	78.75	0				

SPAN	BEND	E	SHEAR	E	FLOOR	E
FT.	FT-KIPS		KIPS		KIPS	
8	158	78.8	98	71.6	118	67.5
10	197	70	110	73.5	142	70.9
12	266	66.4	118	67.5	158	67.5
13	303	63.8	127	68.9	170	68.9
14	354	64.4	135	70	180	69
15	413	66.2	142	70.9	189	69.1
16	473	67.5	148	69.5	197	69.2
18	591	69.5	158	67.5	210	69.2
20	709	68.7	173	69.3	221	67.3
25	1052	69	202	71.3	239	63.3
30	1441	70.2	221	70	252	58.4
35	1832	70	234	67.7	261	53.5
40	2223	67.8	244	64.8	268	49.6
45	2615	65.3	252	61.7	275	46.3
50	3007	63.2	258	59.2	287	44.5
60	3792	58.4	273	55.7	336	43.9
70	4578	53.6	302	54.6	378	42.7
80	5364	49.7	339	54.5	410	41.2
90	6230	46.7	371	54.1	434	39.7
100	7499	46.6	397	52.9	454	38.3
120	10554	45.8	436	50.2	483	35.5
140	13636	44	464	47.2	504	32.8
160	16735	42.1	484	44.4	520	30.2
180	19846	40.4	501	41.7	532	27.9
200	22964	38.7	513	41.2	542	25.9
225	26870	36.9	526	36.7	552	23.6
250	30782	35.1	537	34.3	559	21.7
275	34699	33.3	545	32.2	566	20.1
300	38620	31.7	552	30.3	571	18.6
350	46467	28.6	563	27.1	580	16.3
400	54322	25.9	572	24.5	586	14.5

FD 27' DECK 8 AXLE CAR DRAWING

29" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
2	416.0*
4	423.5
6	431.5
8	439.5
10	448.0
12	457.0
14 & OVER	LOAD LIMIT

* MAX. CONCENTRATED LOAD

CENTER OF GRAVITY - EMPTY = 30" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "C"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

BOTTOM OF LOAD ABOVE DECK A	MAX. LENGTH OF LOAD B
12"	30'-6"
18"	31'-0"
24"	32'-0"

CAR NUMBERS QTTX 130704-130713
CAR NUMBERS QTTX 130718-130749

TTX TTX COMPANY
CHICAGO, ILLINOIS

230 TON, 27 FOOT DECK
DEPRESSED CENTER FLAT CAR

CLASS	DATE	REV	
DDH27 & HDH27	06-01-00	1	9919

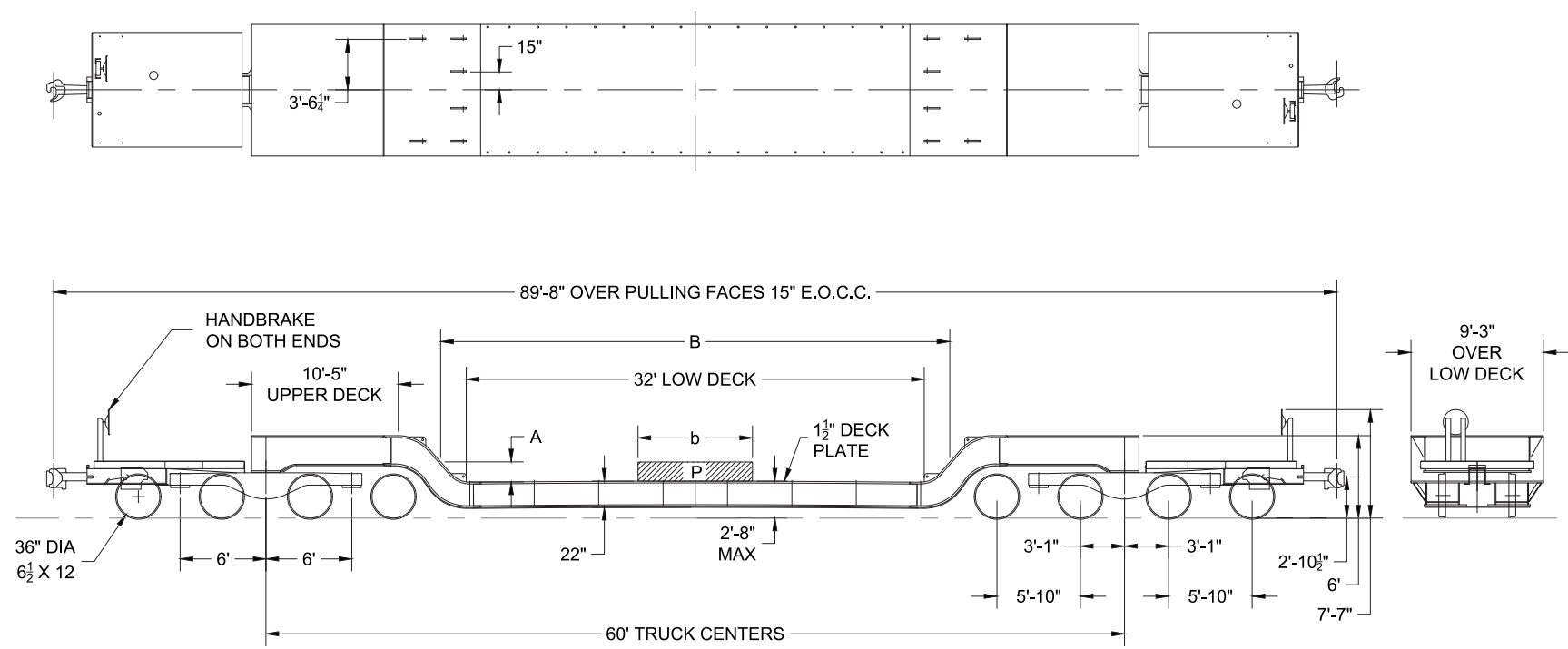
COOPERS RATING 230 Ton 27' FD DDH27 - QTTX 130704-130707 HDH27 – QTTX 130708-130713 HDH27 – QTTX 130718-130749

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	6				
2	78.75	6				
3	78.75	6				
4	78.75	39				
5	78.75	6				
6	78.75	6				
7	78.75	6				
8	78.75	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	158	78.8	98	71.6	118	67.5
10	197	70	110	73.5	142	70.9
12	266	66.4	118	67.5	158	67.5
13	303	63.8	127	68.9	170	68.9
14	354	64.4	135	70	180	69
15	413	66.2	142	70.9	189	69.1
16	473	67.5	148	69.5	197	69.2
18	591	69.5	158	67.5	210	69.2
20	709	68.7	173	69.3	221	67.3
25	1052	69	202	71.3	239	63.3
30	1441	70.2	221	70	252	58.4
35	1832	70	234	67.7	261	53.5
40	2223	67.8	244	64.8	268	49.6
45	2615	65.3	252	61.7	273	46
50	3007	63.2	258	59.2	285	44.3
60	3792	58.4	272	55.4	331	43.2
70	4578	53.6	298	54	374	42.2
80	5364	49.7	335	53.9	406	40.8
90	6190	46.4	368	53.6	431	39.4
100	7371	45.8	394	52.5	450	38
120	10421	45.2	433	49.9	480	35.3
140	13500	43.5	461	47	502	32.6
160	16597	41.7	482	44.2	518	30.1
180	19705	40.1	499	41.6	530	27.8
200	22822	38.5	512	41.1	540	25.8
225	26726	36.7	525	36.6	550	23.6
250	30637	34.9	536	34.2	558	21.7
275	34553	33.2	544	32.1	565	20
300	38472	31.5	551	30.2	570	18.6
350	46319	28.5	563	27.1	579	16.3
400	54172	25.9	571	24.5	585	14.5

FD 32' DECK 8 AXLE CAR DRAWING

2'-8" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
2	326.5*
4	332.0
6	343.5
8	349.5
10	356.0
12	362.5
14 & OVER	LOAD LIMIT

* MAX. CONCENTRATED LOAD

BOTTOM OF LOAD ABOVE DECK A	MAX. LENGTH OF LOAD B
12"	34'-8"
18"	35'-7"
24"	36'-6"

CAR NUMBERS QTTX 130600-130605

CENTER OF GRAVITY - EMPTY = 31" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "C"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

TTX TTX COMPANY CHICAGO, ILLINOIS			
180 TON, 32 FOOT DECK DEPRESSED CENTER FLAT CAR			
CLASS IDH32 & KDH32	DATE 08-04-92	REV J	7721

COOPERS RATING 180 Ton 32' FD IDH32 - QTTX 130600-130604 KDH32 – QTTX 130605

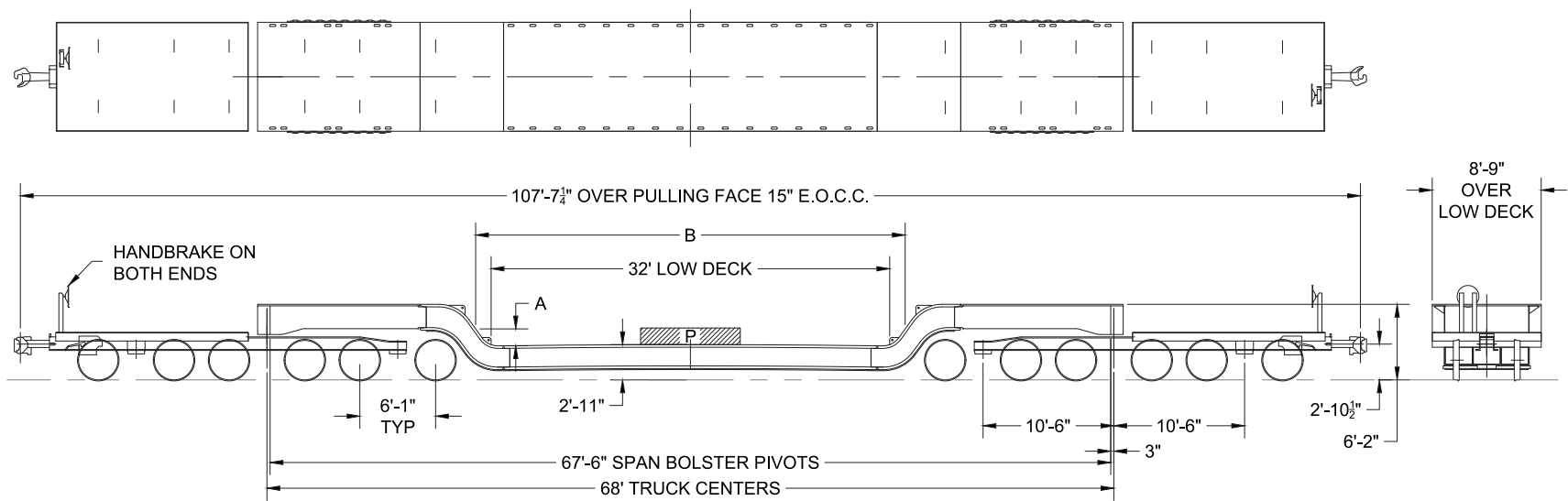
The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	65.75	5.833				
2	65.75	6.167				
3	65.75	5.833				
4	65.75	42.167				
5	65.75	5.833				
6	65.75	6.167				
7	65.75	5.833				
8	65.75	0				

SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	132	65.8	84	60.8	99	56.4
10	165	58.6	93	62.1	118	59.2
12	226	56.5	100	56.9	132	56.4
13	257	54.1	107	58	142	57.5
14	296	53.8	113	58.9	150	57.6
15	345	55.2	119	59.5	158	57.7
16	395	56.4	124	58.3	164	57.8
18	493	58	133	56.9	175	57.8
20	592	57.4	146	58.3	184	56.2
25	880	57.7	169	59.9	200	52.9
30	1204	58.7	185	58.6	210	48.8
35	1530	58.5	196	56.7	218	44.7
40	1857	56.6	204	54.2	224	41.4
45	2184	54.5	211	51.6	228	38.4
50	2511	52.8	216	49.6	234	36.4
60	3166	48.8	224	45.7	263	34.3
70	3822	44.8	243	43.9	301	34
80	4479	41.5	270	43.5	329	33.1
90	5135	38.5	299	43.5	351	32.1
100	5945	36.9	321	42.8	368	31.1
120	8377	36.3	355	40.9	395	29
140	10938	35.3	380	38.7	413	26.9
160	13515	34	398	36.5	427	24.9
180	16105	32.7	412	34.4	438	23
200	18702	31.5	424	34	447	21.3
225	21957	30.1	435	30.3	456	19.5
250	25219	28.7	444	28.4	463	18
275	28485	27.4	452	26.6	469	16.6
300	31755	26	458	25.1	473	15.5
350	38302	23.6	468	22.5	481	13.5
400	44856	21.4	475	20.4	487	12

FD 32' DECK 12 AXLE CAR DRAWING

3'-1" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	574.5*
4	592.0
8	610.5
12	630.5
16	651.5
18 & OVER	LOAD LIMIT

* MAX. CONCENTRATED LOAD

BOTTOM OF LOAD ABOVE DECK A	MAX. LENGTH OF LOAD B
12"	33'-11"
18"	34'-8"
24"	35'-5"

CAR NUMBERS QTTX 130650-130655

CENTER OF GRAVITY - EMPTY = 34" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "C"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

TTX TTX COMPANY
CHICAGO, ILLINOIS

330 TON, 32 FOOT DECK
DEPRESSED CENTER FLAT CAR

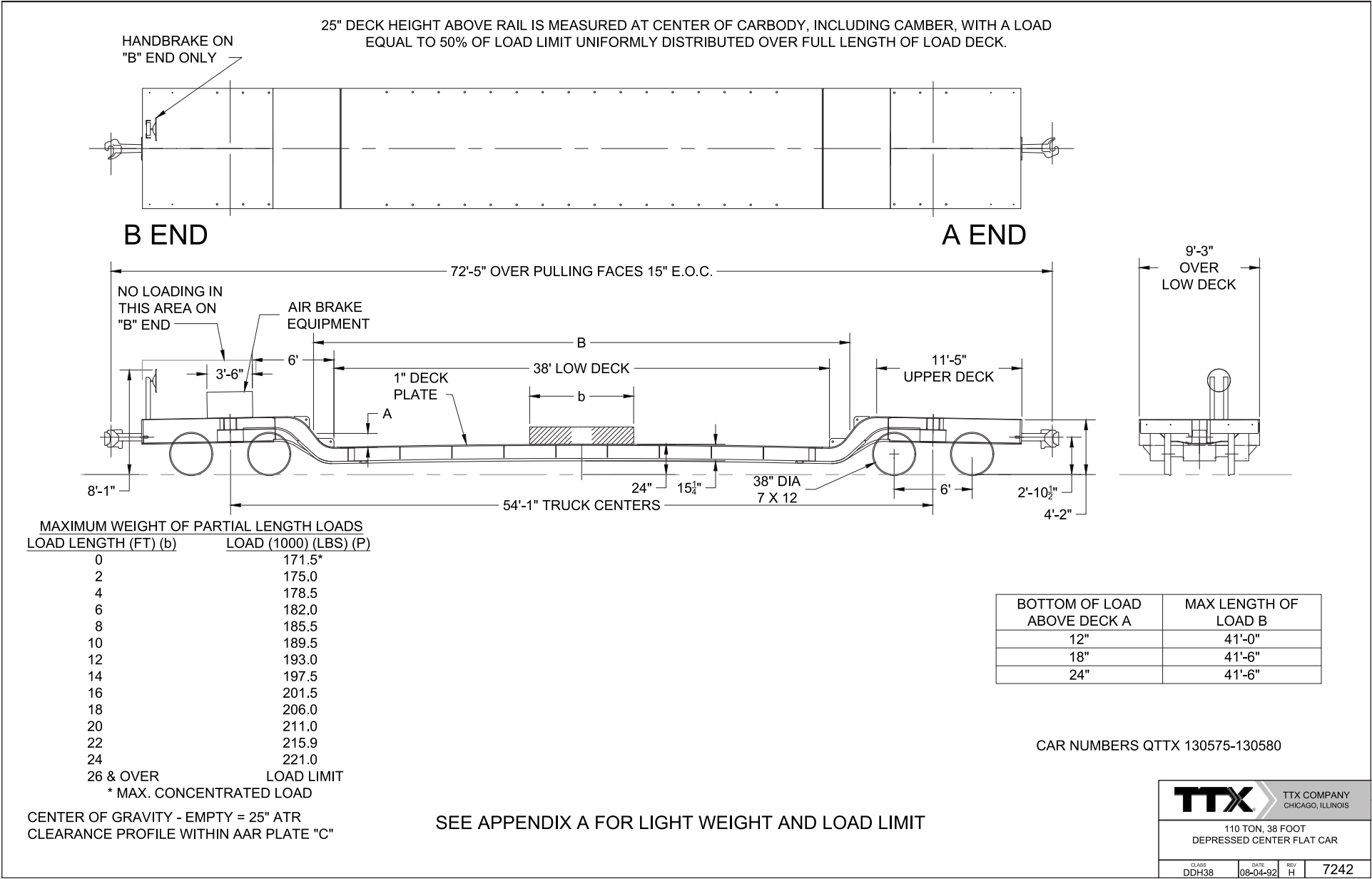
CLASS KDH32A	DATE 06-01-02	REV H	11626
-----------------	------------------	----------	-------

COOPERS RATING 330 Ton 32' FD - KDH32A QTTX 130650-130655

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	6.083				
2	78.75	4.417				
3	78.75	6.083				
4	78.75	4.417				
5	78.75	6.083				
6	78.75	40.917				
7	78.75	6.083				
8	78.75	4.417				
9	78.75	6.083				
10	78.75	4.417				
11	78.75	6.083				
12	78.75	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	165	82.4	114	82.9	133	75.9
10	239	84.9	123	81.8	154	76.8
12	314	78.6	138	79.1	187	80.2
13	355	74.8	146	79	203	82.4
14	414	75.3	152	79	217	83.1
15	473	75.7	158	79.2	228	83.6
16	532	76	168	79.1	239	83.9
18	650	76.5	184	79.1	262	86.4
20	785	76.1	198	79	283	86.4
25	1221	80.1	234	82.7	321	84.9
30	1713	83.5	260	82.6	346	80.3
35	2272	86.9	290	83.8	364	74.7
40	2859	87.2	313	82.9	378	70
45	3447	86.1	330	80.9	388	65.5
50	4035	84.9	345	79	397	61.6
60	5212	80.3	366	74.7	427	55.8
70	6391	74.9	383	69.4	486	54.9
80	7570	70.1	412	66.3	543	54.7
90	8750	65.6	450	65.6	588	53.8
100	9930	61.7	496	66.1	624	52.6
120	13251	57.5	571	65.7	677	49.8
140	17719	57.1	624	63.6	716	46.5
160	22353	56.2	664	60.9	744	43.3
180	27009	54.9	695	58	767	40.2
200	31679	53.4	720	57.9	784	37.4
225	37531	51.5	745	51.9	802	34.4
250	43393	49.4	765	48.9	816	31.7
275	49263	47.3	782	46.1	828	29.4
300	55140	45.2	795	43.6	838	27.4
350	66905	41.1	817	39.3	853	24
400	78682	37.6	833	35.7	865	21.4

FD 38' DECK 4 AXLE CAR DRAWING



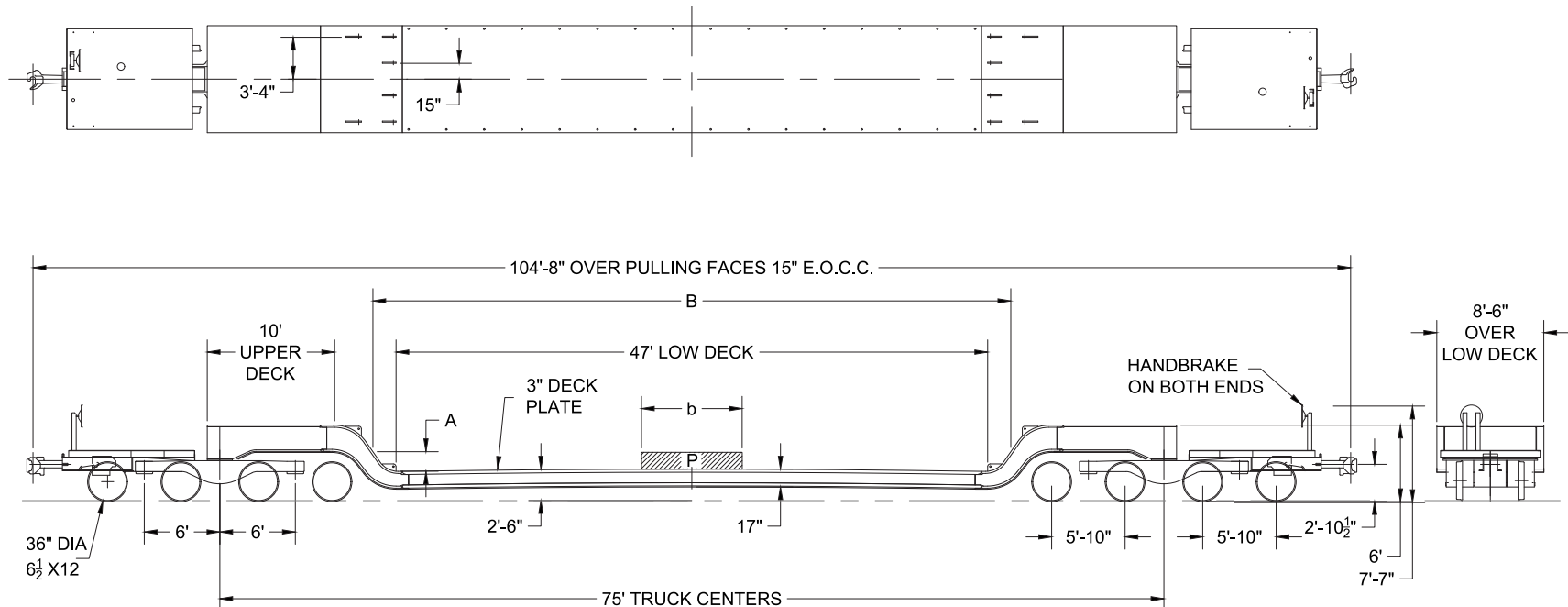
COOPERS RATING 110 Ton 38' FD - DDH38 QTTX 130575-130580

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	6				
2	78.75	48.08				
3	78.75	6				
4	78.75	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	158	78.8	98	71.6	98	56.3
10	197	70	110	73.5	110	55.1
12	266	66.4	118	67.5	118	50.6
13	303	63.8	121	65.6	121	49.2
14	340	61.9	124	64.2	124	47.5
15	378	60.5	126	63	126	46.1
16	416	59.4	128	60.2	128	45
18	492	57.9	131	56.2	131	43.3
20	569	55.2	134	53.6	134	40.8
25	762	50	139	49	139	36.6
30	957	46.6	142	45	142	32.9
35	1152	44.1	144	41.6	144	29.5
40	1348	41.1	146	38.6	146	27
45	1544	38.6	147	36	147	24.8
50	1740	36.6	148	33.9	151	23.5
60	2132	32.8	157	32.1	173	22.6
70	2525	29.6	180	32.5	193	21.8
80	2918	27	197	31.7	209	21
90	3334	25	210	30.6	220	20.2
100	4071	25.3	220	29.4	230	19.4
120	5570	24.2	236	27.2	244	17.9
140	7091	22.9	247	25.2	254	16.5
160	8626	21.7	256	23.4	262	15.2
180	10169	20.7	262	21.9	268	14
200	11719	19.8	268	21.5	272	13
225	13662	18.8	273	19	277	11.9
250	15611	17.8	277	17.7	281	10.9
275	17563	16.9	281	16.6	284	10.1
300	19518	16	283	15.5	287	9.4
350	23434	14.4	288	13.9	291	8.2
400	27355	13.1	291	12.5	294	7.3

FD 47' DECK 8 AXLE CAR DRAWING

2'-7" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	248.5*
4	255.0
8	262.0
12	269.5
16	278.0
20	286.5
24	295.5
25 & OVER	LOAD LIMIT

* MAX. CONCENTRATED LOAD

BOTTOM OF LOAD ABOVE DECK A	MAX. LENGTH OF LOAD B
12"	49'-10"
18"	50'-8"
24"	51'-4"

CAR NUMBERS QTTX 130500-130501

CENTER OF GRAVITY - EMPTY = 28" ATR
LIGHT CAR LOW DECK EXCEEDS AAR PLATE
"C-1" BY 4" ON A 13 DEGREE CURVE

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

TTX TTX COMPANY
CHICAGO, ILLINOIS

150 TON, 47 FOOT DECK
DEPRESSED CENTER FLAT CAR

CLASS IDH47	DATE 08-04-92	REV 1	7222
----------------	------------------	----------	------

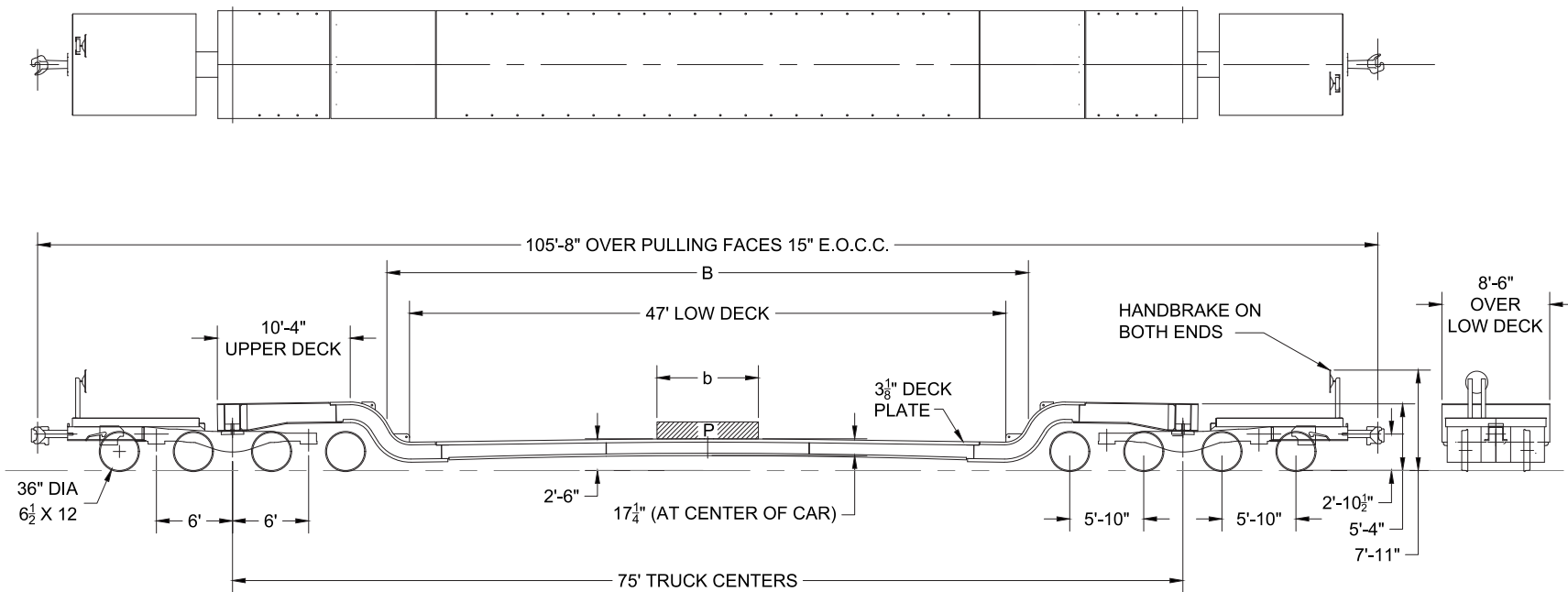
COOPERS RATING 150 Ton 47' FD - IDH47 QTTX 130500-130501

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	65.75	5.833				
2	65.75	6.167				
3	65.75	5.833				
4	65.75	57.167				
5	65.75	5.833				
6	65.75	6.167				
7	65.75	5.833				
8	65.75	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	132	65.8	84	60.8	99	56.4
10	165	58.6	93	62.1	118	59.2
12	226	56.5	100	56.9	132	56.4
13	257	54.1	107	58	142	57.5
14	296	53.8	113	58.9	150	57.6
15	345	55.2	119	59.5	158	57.7
16	395	56.4	124	58.3	164	57.8
18	493	58	133	56.9	175	57.8
20	592	57.4	146	58.3	184	56.2
25	880	57.7	169	59.9	200	52.9
30	1204	58.7	185	58.6	210	48.8
35	1530	58.5	196	56.7	218	44.7
40	1857	56.6	204	54.2	224	41.4
45	2184	54.5	211	51.6	228	38.4
50	2511	52.8	216	49.6	231	35.9
60	3166	48.8	224	45.7	237	30.9
70	3822	44.8	229	41.5	249	28.1
80	4479	41.5	238	38.3	279	28.1
90	5135	38.5	257	37.4	307	28.1
100	5792	36	282	37.6	329	27.7
120	7106	30.8	323	37.1	362	26.6
140	9315	30	352	35.8	385	25.1
160	11849	29.8	373	34.2	403	23.4
180	14404	29.3	390	32.6	416	21.9
200	16975	28.6	404	32.4	427	20.4
225	20202	27.7	417	29.1	438	18.8
250	23442	26.7	428	27.4	447	17.4
275	26691	25.6	437	25.8	454	16.1
300	29946	24.5	445	24.4	460	15
350	36469	22.4	456	21.9	470	13.2
400	43006	20.5	465	19.9	477	11.8

FD 47' DECK 8 AXLE CAR DRAWING

2'-8" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	287.0*
4	294.5
8	303.0
12	312.0
16	321.0
20	331.0
24	341.5
25 & OVER	LOAD LIMIT

* MAX. CONCENTRATED LOAD

BOTTOM OF LOAD ABOVE DECK A	MAX. LENGTH OF LOAD B
12"	49'-0"
18"	49'-8"
24"	50'-4"

CAR NUMBERS QTTX 130502-130503

CENTER OF GRAVITY - EMPTY = 29" ATR
CLEARANCE PROFILE EXCEEDS AAR PLATE
"C" BY 7" AT UNDERSIDE OF 3" TOP DECK PLATE

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

TTX TTX COMPANY
CHICAGO, ILLINOIS

170 TON, 47 FOOT DECK
DEPRESSED CENTER FLAT CAR

CLASS DDH47	DATE 02-13-95	REV F	9920
----------------	------------------	----------	------

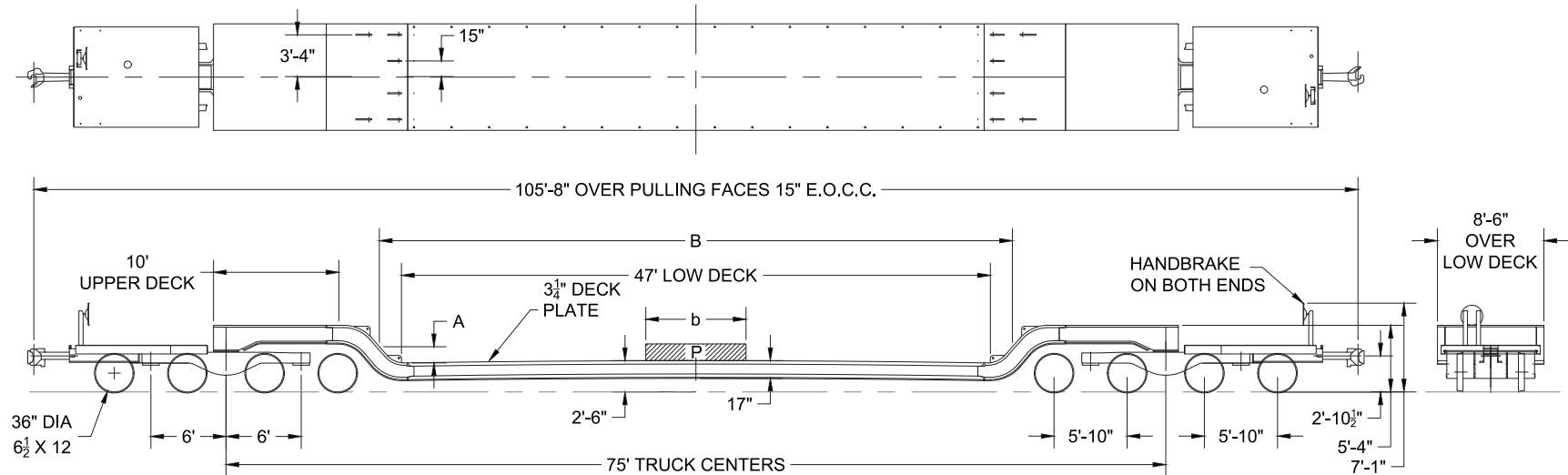
COOPERS RATING 170 Ton 47' FD - DDH47 QTTX 130502-130503

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	71.5	5.833				
2	71.5	6.167				
3	71.5	5.833				
4	71.5	57.167				
5	71.5	5.833				
6	71.5	6.167				
7	71.5	5.833				
8	71.5	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	143	71.5	91	66.1	107	61.3
10	179	63.8	101	67.5	129	64.4
12	246	61.4	108	61.9	143	61.3
13	280	58.9	116	63.1	154	62.6
14	322	58.5	123	64	163	62.7
15	375	60.1	129	64.7	172	62.8
16	429	61.3	135	63.4	179	62.9
18	536	63.1	144	61.9	191	62.9
20	644	62.4	158	63.4	200	61.1
25	957	62.7	184	65.1	217	57.5
30	1310	63.8	201	63.8	229	53
35	1664	63.6	213	61.6	237	48.6
40	2019	61.6	222	59	243	45
45	2375	59.3	229	56.1	248	41.8
50	2731	57.4	235	53.9	252	39.1
60	3443	53	243	49.7	257	33.6
70	4157	48.7	250	45.2	271	30.6
80	4870	45.1	259	41.6	304	30.6
90	5585	41.8	279	40.7	334	30.5
100	6299	39.1	306	40.9	358	30.2
120	7728	33.5	351	40.4	393	28.9
140	10129	32.7	382	39	419	27.2
160	12885	32.4	406	37.2	438	25.5
180	15664	31.8	424	35.4	453	23.8
200	18459	31.1	439	35.3	465	22.2
225	21969	30.2	454	31.6	477	20.4
250	25492	29	466	29.7	486	18.9
275	29025	27.9	475	28.1	494	17.5
300	32564	26.7	483	26.5	501	16.3
350	39659	24.4	496	23.9	511	14.4
400	46767	22.3	506	21.7	518	12.8

FD 47' DECK 8 AXLE CAR DRAWING

2'-7" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	271.5
2	275.0
4	279.0
6	283.0
8	287.0
10	291.0
12	295.0
14	299.5
16	304.0
18	308.5
20	313.5
22	318.0
24	323.5
25	326.0

BOTTOM OF LOAD ABOVE DECK A	MAX. LENGTH OF LOAD B
12"	49'-10"
18"	50'-8"
24"	51'-4"

CAR NUMBER QTTX 130504

CENTER OF GRAVITY - EMPTY = 28" ATR

CLEARANCE PROFILE WITHIN AAR PLATE
"C" BY 7" AT UNDERSIDE OF 3 1/4" TOP DECK

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

TTX TTX COMPANY
CHICAGO, ILLINOIS

170 TON, 47 FOOD DECK
DEPRESSED CENTER FLAT CAR

CLASS	DATE	REV	10576
KDH47	08-05-96	F	

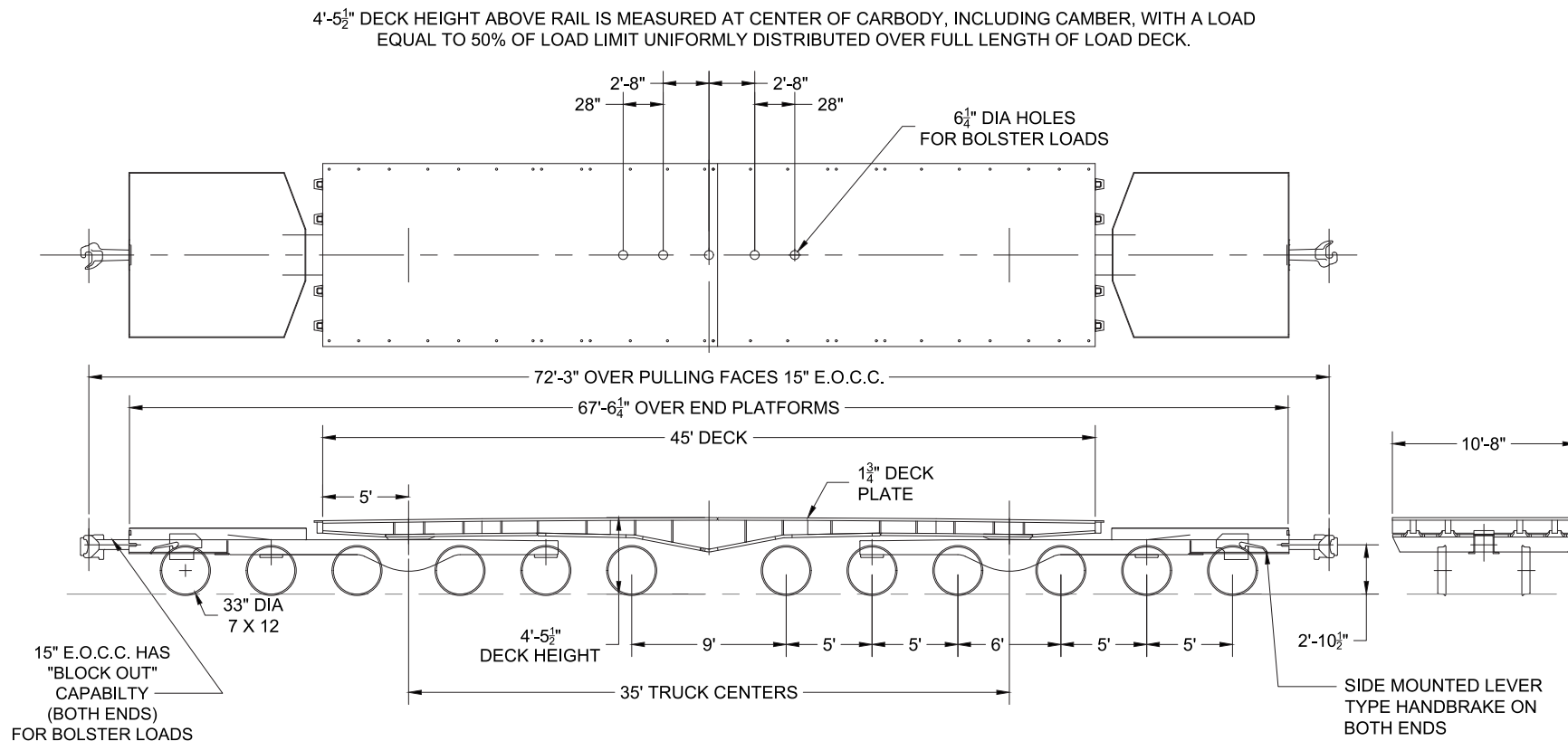
COOPERS RATING
170 Ton 47' FD - KDH47
QTTX 130504

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	71.5	5.833				
2	71.5	6.167				
3	71.5	5.833				
4	71.5	57.167				
5	71.5	5.833				
6	71.5	6.167				
7	71.5	5.833				
8	71.5	0				

SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	143	71.5	91	66.1	107	61.3
10	179	63.8	101	67.5	129	64.4
12	246	61.4	108	61.9	143	61.3
13	280	58.9	116	63.1	154	62.6
14	322	58.5	123	64	163	62.7
15	375	60.1	129	64.7	172	62.8
16	429	61.3	135	63.4	179	62.9
18	536	63.1	144	61.9	191	62.9
20	644	62.4	158	63.4	200	61.1
25	957	62.7	184	65.1	217	57.5
30	1310	63.8	201	63.8	229	53
35	1664	63.6	213	61.6	237	48.6
40	2019	61.6	222	59	243	45
45	2375	59.3	229	56.1	248	41.8
50	2731	57.4	235	53.9	252	39.1
60	3443	53	243	49.7	257	33.6
70	4157	48.7	250	45.2	271	30.6
80	4870	45.1	259	41.6	304	30.6
90	5585	41.8	279	40.7	334	30.5
100	6299	39.1	306	40.9	358	30.2
120	7728	33.5	351	40.4	393	28.9
140	10129	32.7	382	39	419	27.2
160	12885	32.4	406	37.2	438	25.5
180	15664	31.8	424	35.4	453	23.8
200	18459	31.1	439	35.3	465	22.2
225	21969	30.2	454	31.6	477	20.4
250	25492	29	466	29.7	486	18.9
275	29025	27.9	475	28.1	494	17.5
300	32564	26.7	483	26.5	501	16.3
350	39659	24.4	496	23.9	511	14.4
400	46767	22.3	506	21.7	518	12.8

FM 45' DECK 12 AXLE CAR DRAWING



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS	
LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	695.0*
2	715.5
4 & OVER	LOAD LIMIT
* MAX. CONCENTRATED LOAD	

CAR NUMBERS QTTX 131100-131103

CENTER OF GRAVITY - EMPTY = 33" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "B"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

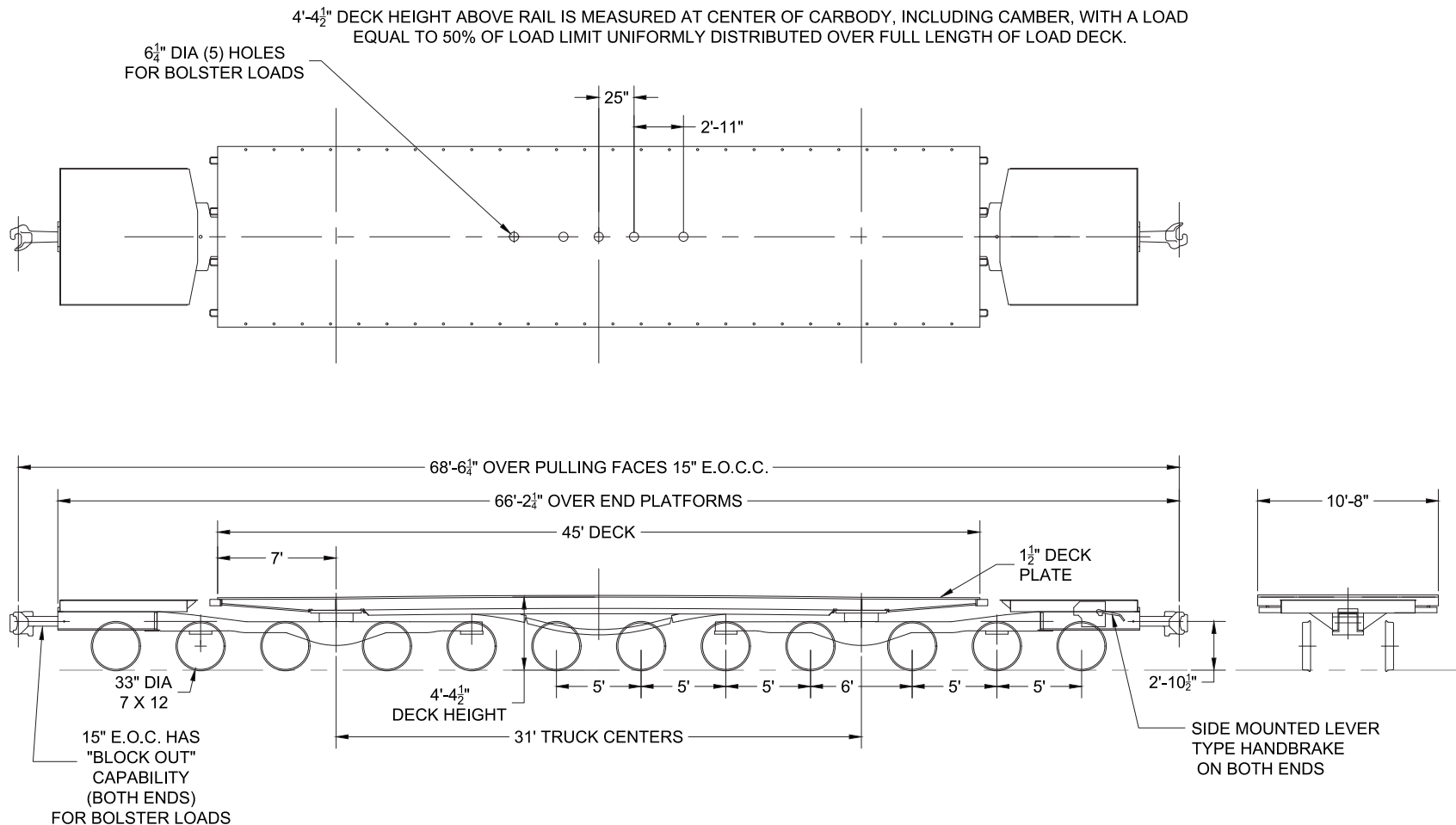
		TTX COMPANY CHICAGO, ILLINOIS	
370 TON, 45 FOOT DECK FLAT CAR			
CLASS NSH45	DATE 03-31-97	REV J	8693

COOPERS RATING 370 Ton 45' FM - NSH45 QTTX 131100-131103

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	5				
2	78.75	5				
3	78.75	6				
4	78.75	5				
5	78.75	5				
6	78.75	9				
7	78.75	5				
8	78.75	5				
9	78.75	6				
10	78.75	5				
11	78.75	5				
12	78.75	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	158	78.8	108	78.8	138	78.8
10	221	78.4	118	78.8	158	78.8
12	315	78.8	138	78.8	184	78.7
13	374	78.8	145	78.7	200	81.2
14	433	78.8	152	78.7	214	82
15	492	78.8	158	78.8	226	82.6
16	551	78.8	162	76.4	236	83.1
18	669	78.8	179	76.9	263	86.5
20	788	76.4	193	77.2	287	87.7
25	1201	78.8	230	81.4	347	91.6
30	1693	82.5	268	85	407	94.3
35	2275	87	297	85.9	473	96.9
40	2874	87.7	329	87.2	532	98.5
45	3563	89	362	88.7	578	97.4
50	4335	91.2	397	91	614	95.4
60	6153	94.7	466	95.1	669	87.4
70	8336	97.6	533	96.5	709	80.1
80	10690	99	585	94.2	738	74.3
90	13046	97.7	625	91	761	69.7
100	15404	95.6	657	87.6	780	65.8
120	20121	87.3	705	81.2	807	59.3
140	24840	80.1	739	75.3	827	53.8
160	29561	74.3	765	70.1	842	49
180	34283	69.7	785	65.5	853	44.8
200	39005	65.8	801	64.3	862	41.2
225	44909	61.6	817	56.9	872	37.3
250	50813	57.9	830	53	879	34.1
275	56717	54.5	840	49.6	885	31.4
300	62622	51.3	849	46.6	890	29
350	74432	45.8	863	41.5	898	25.3
400	86243	41.2	873	37.4	904	22.3

FM 45' DECK 12 AXLE CAR DRAWING



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS	
LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	694.0
2	717.5
4	742.0
6 & OVER	LOAD LIMIT

CENTER OF GRAVITY - EMPTY = 32" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "B"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

CAR NUMBERS QTTX 131104-131106

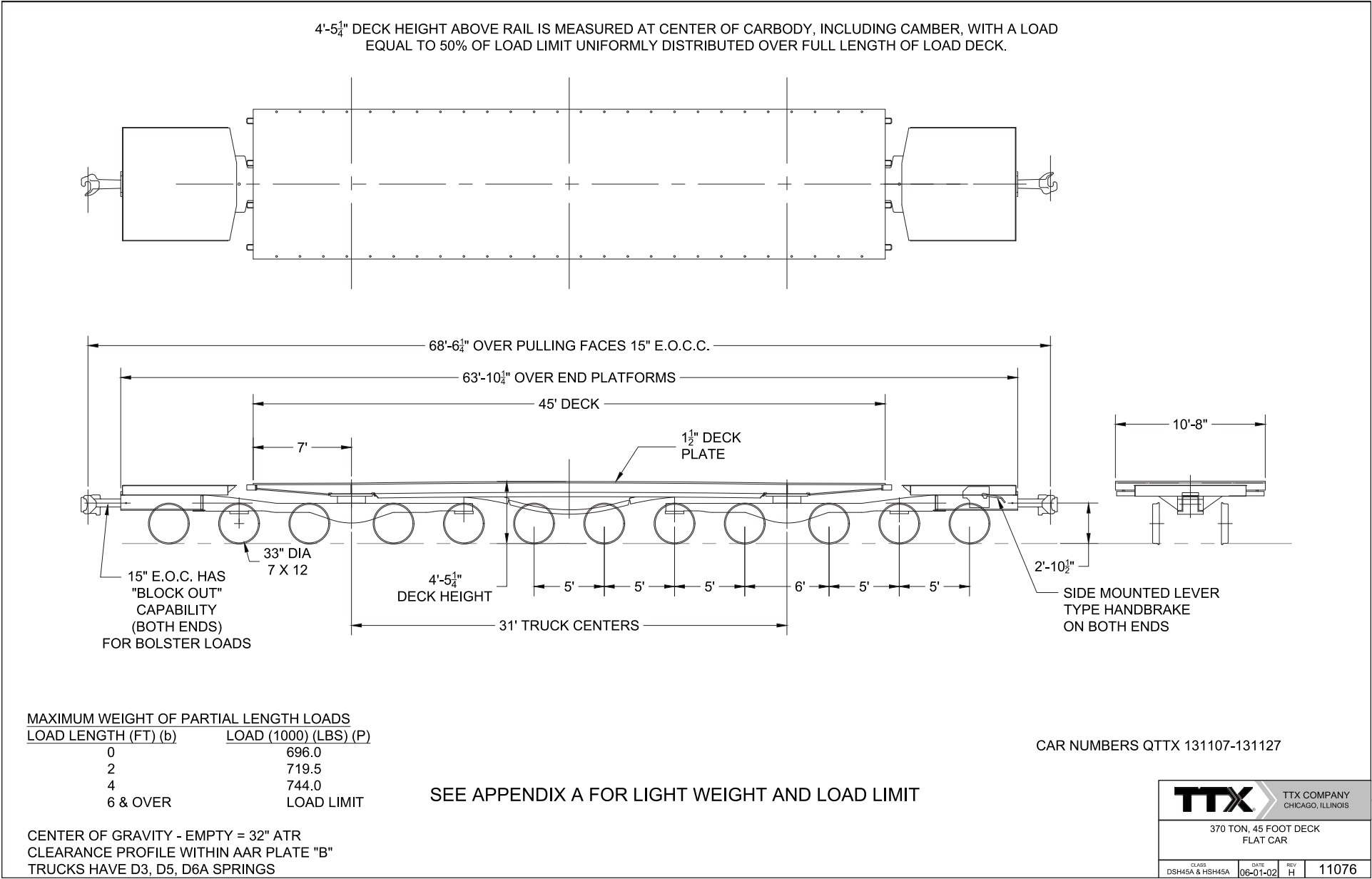
		TTX COMPANY CHICAGO, ILLINOIS	
370 TON, 45 FOOT DECK FLAT CAR			
CLASS DSH45	DATE 03-31-97	REV G	10465

COOPERS RATING 370 Ton 45' FM - DSH45 QTTX 131104-131106

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	5				
2	78.75	5				
3	78.75	6				
4	78.75	5				
5	78.75	5				
6	78.75	5				
7	78.75	5				
8	78.75	5				
9	78.75	6				
10	78.75	5				
11	78.75	5				
12	78.75	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	158	78.8	108	78.8	138	78.8
10	221	78.4	118	78.8	158	78.8
12	315	78.8	138	78.8	197	84.4
13	374	78.8	145	78.7	212	86.1
14	433	78.8	152	78.7	225	86.3
15	492	78.8	158	78.8	236	86.4
16	551	78.8	167	78.8	251	88.3
18	669	78.8	184	78.7	284	93.7
20	811	78.7	197	78.8	311	94.9
25	1280	83.9	236	83.6	384	101.6
30	1796	87.5	276	87.5	459	106.5
35	2422	92.6	313	90.4	527	107.9
40	3111	94.9	350	93	579	107.2
45	3918	97.9	389	95.1	620	104.4
50	4804	101	421	96.4	652	101.3
60	6891	106.1	496	101.2	701	91.5
70	9234	108.2	560	101.4	736	83.1
80	11594	107.4	608	98	762	76.6
90	13955	104.5	646	94.1	782	71.6
100	16315	101.3	676	90.1	799	67.3
120	21038	91.3	721	83	823	60.5
140	25761	83.1	753	76.7	840	54.7
160	30485	76.7	777	71.2	853	49.7
180	35209	71.6	795	66.3	864	45.3
200	39933	67.4	810	65.1	872	41.6
225	45839	62.9	825	57.5	880	37.7
250	51744	58.9	837	53.5	886	34.4
275	57650	55.4	847	50	892	31.6
300	63556	52.1	855	46.9	896	29.3
350	75368	46.3	868	41.8	903	25.4
400	87180	41.6	878	37.6	908	22.4

FM 45' DECK 12 AXLE CAR DRAWING

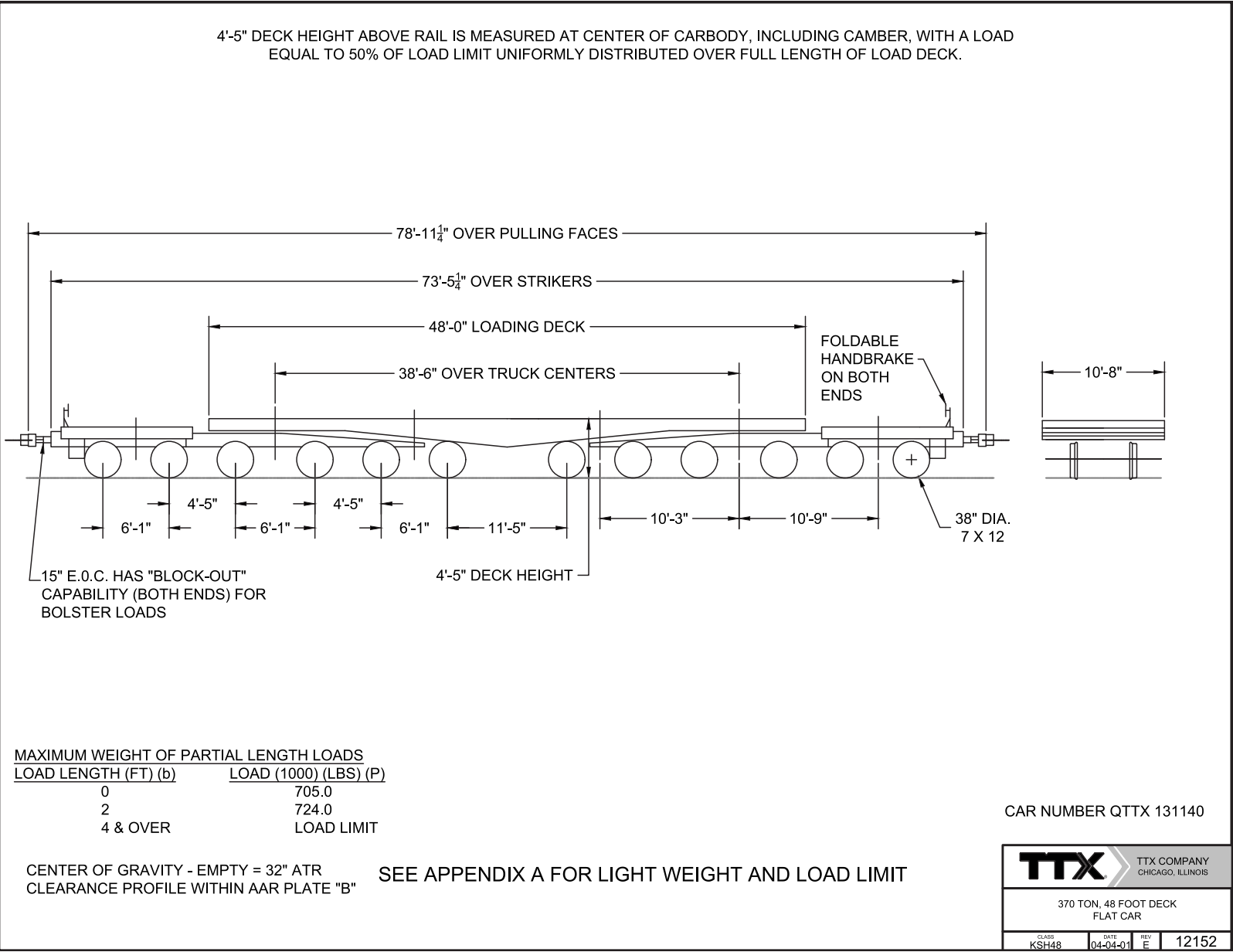


COOPERS RATING - 370 Ton 45' FM DSH45A - QTTX 131107-131109 HSH45A - QTTX 131110-131127

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	5				
2	78.75	5				
3	78.75	6				
4	78.75	5				
5	78.75	5				
6	78.75	5				
7	78.75	5				
8	78.75	5				
9	78.75	6				
10	78.75	5				
11	78.75	5				
12	78.75	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	158	78.8	108	78.8	138	78.8
10	221	78.4	118	78.8	158	78.8
12	315	78.8	138	78.8	197	84.4
13	374	78.8	145	78.7	212	86.1
14	433	78.8	152	78.7	225	86.3
15	492	78.8	158	78.8	236	86.4
16	551	78.8	167	78.8	251	88.3
18	669	78.8	184	78.7	284	93.7
20	811	78.7	197	78.8	311	94.9
25	1280	83.9	236	83.6	384	101.6
30	1796	87.5	276	87.5	459	106.5
35	2422	92.6	313	90.4	527	107.9
40	3111	94.9	350	93	579	107.2
45	3918	97.9	389	95.1	620	104.4
50	4804	101	421	96.4	652	101.3
60	6891	106.1	496	101.2	701	91.5
70	9234	108.2	560	101.4	736	83.1
80	11594	107.4	608	98	762	76.6
90	13955	104.5	646	94.1	782	71.6
100	16315	101.3	676	90.1	799	67.3
120	21038	91.3	721	83	823	60.5
140	25761	83.1	753	76.7	840	54.7
160	30485	76.7	777	71.2	853	49.7
180	35209	71.6	795	66.3	864	45.3
200	39933	67.4	810	65.1	872	41.6
225	45839	62.9	825	57.5	880	37.7
250	51744	58.9	837	53.5	886	34.4
275	57650	55.4	847	50	892	31.6
300	63556	52.1	855	46.9	896	29.3
350	75368	46.3	868	41.8	903	25.4
400	87180	41.6	878	37.6	908	22.4

FM 48' DECK 12 AXLE CAR DRAWING



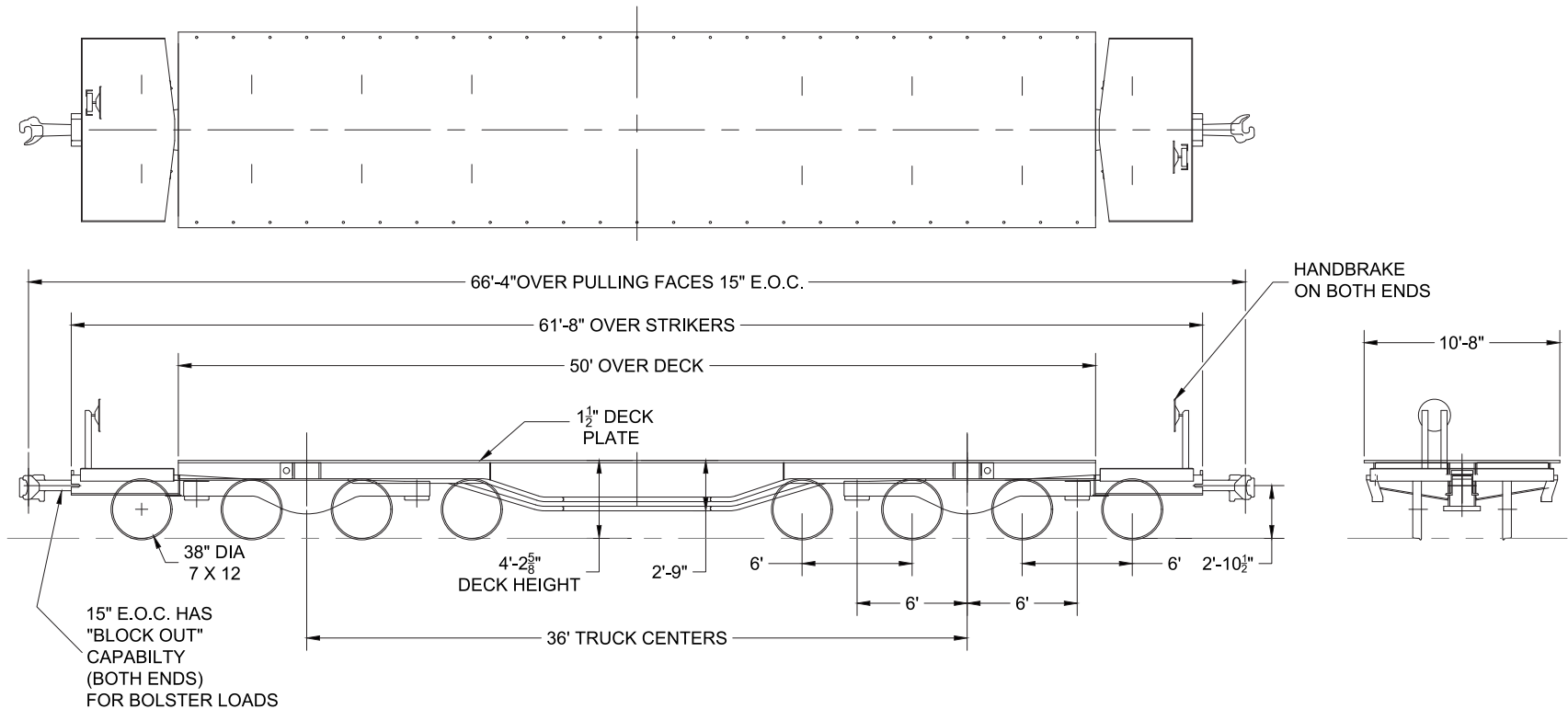
COOPERS RATING 370 Ton 48' FM - KSH48 QTTX 131140

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	6.083				
2	78.75	4.417				
3	78.75	6.083				
4	78.75	4.417				
5	78.75	6.083				
6	78.75	11.417				
7	78.75	6.083				
8	78.75	4.417				
9	78.75	6.083				
10	78.75	4.417				
11	78.75	6.083				
12	78.75	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	165	82.4	114	82.9	133	75.9
10	239	84.9	123	81.8	154	76.8
12	314	78.6	138	79.1	187	80.2
13	355	74.8	146	79	203	82.4
14	414	75.3	152	79	217	83.1
15	473	75.7	158	79.2	228	83.6
16	532	76	168	79.1	239	83.9
18	650	76.5	184	79.1	262	86.4
20	785	76.1	198	79	283	86.4
25	1221	80.1	234	82.7	331	87.5
30	1713	83.5	260	82.6	378	87.6
35	2272	86.9	290	83.8	433	88.8
40	2859	87.2	315	83.7	490	90.8
45	3447	86.1	342	83.8	541	91.2
50	4135	87	373	85.5	581	90.3
60	5691	87.6	438	89.3	642	83.8
70	7603	89	502	90.9	685	77.4
80	9901	91.7	558	89.8	718	72.2
90	12252	91.8	601	87.5	743	68
100	14606	90.7	635	84.7	763	64.4
120	19319	83.8	687	79.1	793	58.3
140	24034	77.5	724	73.7	815	53
160	28752	72.3	751	68.8	831	48.4
180	33472	68.1	773	64.5	844	44.3
200	38193	64.4	790	63.5	854	40.8
225	44095	60.5	807	56.2	864	37
250	49998	56.9	821	52.4	872	33.9
275	55901	53.7	832	49.1	879	31.2
300	61805	50.7	842	46.2	884	28.9
350	73614	45.3	856	41.2	893	25.1
400	85424	40.8	868	37.2	900	22.2

FM 50' DECK 8 AXLE CAR DRAWING

4'-2⁵/₈" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	363.5
4	385.0
8	409.0
12	436.0
16	467.5
18 & OVER	LOAD LIMIT

CAR NUMBERS QTTX 131000-131005

CENTER OF GRAVITY - EMPTY = 36" ATR
CLEARANCE PROFILE EXCEEDS AAR PLATE "B"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

		TTX COMPANY CHICAGO, ILLINOIS	
240 TON, 50 FOOT DECK FLAT CAR			
CLASS ISH50	DATE 08-07-92	REV H	7226

COOPERS RATING 242 Ton 50' FM-ISH50 QTTX 131000-131005

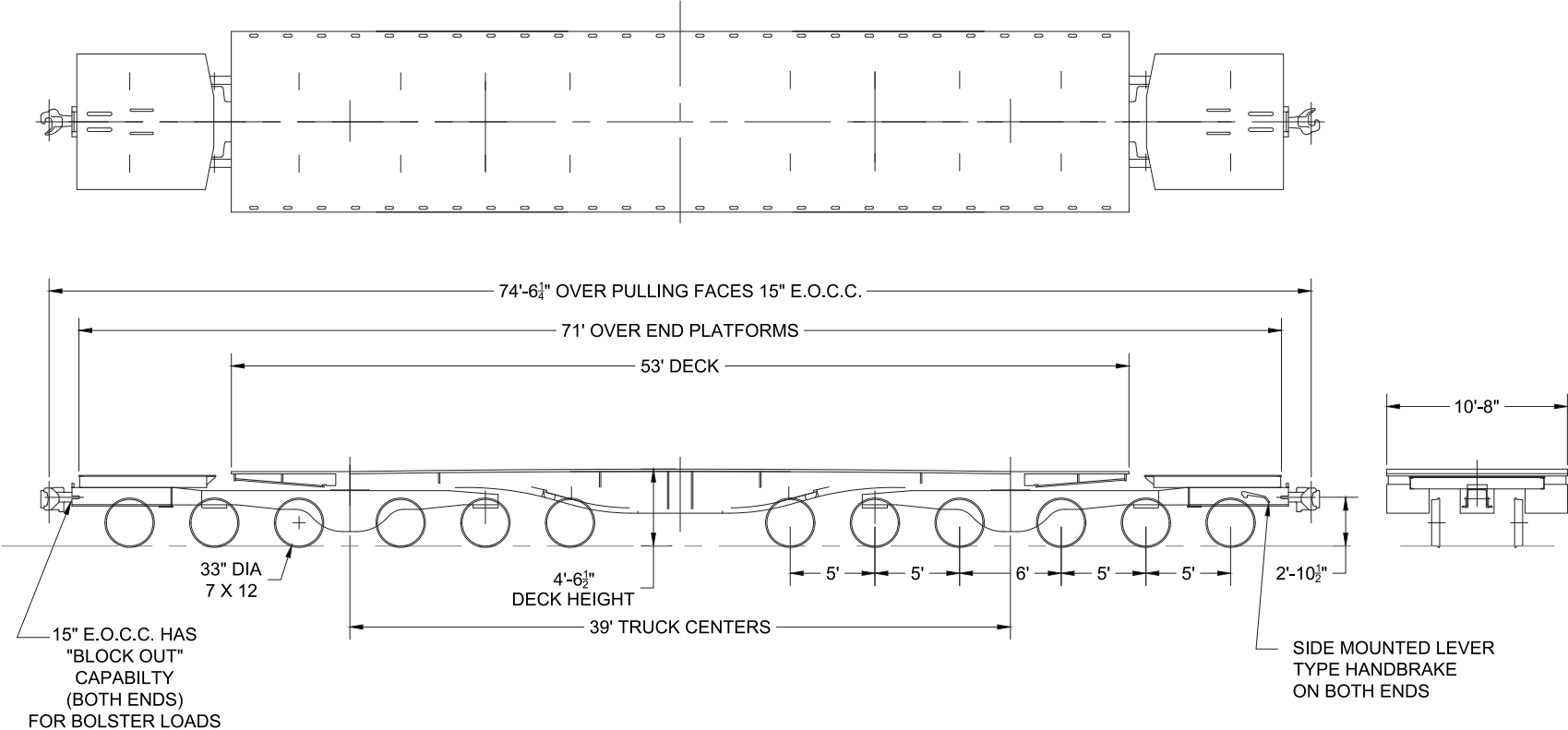
The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	6				
2	78.75	6				
3	78.75	6				
4	78.75	18				
5	78.75	6				
6	78.75	6				
7	78.75	6				
8	78.75	0				

SPAN	BEND	E	SHEAR	E	FLOOR	E
FT.	FT-KIPS		KIPS		KIPS	
8	158	78.8	98	71.6	118	67.5
10	197	70	110	73.5	142	70.9
12	266	66.4	118	67.5	158	67.5
13	303	63.8	127	68.9	170	68.9
14	354	64.4	135	70	180	69
15	413	66.2	142	70.9	189	69.1
16	473	67.5	148	69.5	197	69.2
18	591	69.5	158	67.5	210	69.2
20	709	68.7	173	69.3	221	67.3
25	1052	69	202	71.3	243	64.1
30	1441	70.2	221	70	268	62.1
35	1832	70	234	67.7	308	63.2
40	2223	67.8	252	66.8	347	64.2
45	2615	65.3	273	66.8	378	63.7
50	3043	64	296	67.9	403	62.6
60	4113	63.3	347	70.7	441	57.6
70	5537	64.9	387	70	468	52.9
80	7089	65.7	417	67.2	488	49.1
90	8647	64.8	441	64.3	504	46.1
100	10208	63.4	460	61.3	517	43.6
120	13336	57.8	488	56.2	536	39.4
140	16471	53.1	509	51.8	549	35.7
160	19610	49.3	524	48	559	32.5
180	22751	46.3	536	44.7	567	29.8
200	25894	43.7	545	43.8	573	27.4
225	29824	40.9	554	38.6	580	24.8
250	33756	38.4	562	35.9	585	22.7
275	37689	36.2	568	33.5	589	20.9
300	41623	34.1	573	31.4	592	19.3
350	49491	30.4	581	28	598	16.8
400	57362	27.4	587	25.2	602	14.9

FM 53' DECK 12 AXLE CAR DRAWING

4'-6½" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	593.0
4	625.0
8	660.5
12	700.5
14 & OVER	LOAD LIMIT

CENTER OF GRAVITY - EMPTY = 33" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "B"
TRUCKS HAVE D3, D5, D6A SPRINGS

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

CAR NUMBERS QTTX 131600-131624

TTX TTX COMPANY
CHICAGO, ILLINOIS

360 TON, 53 FOOT DECK
FLAT CAR

CLASS HSH53	DATE 06-01-02	REV G	11891
----------------	------------------	----------	-------

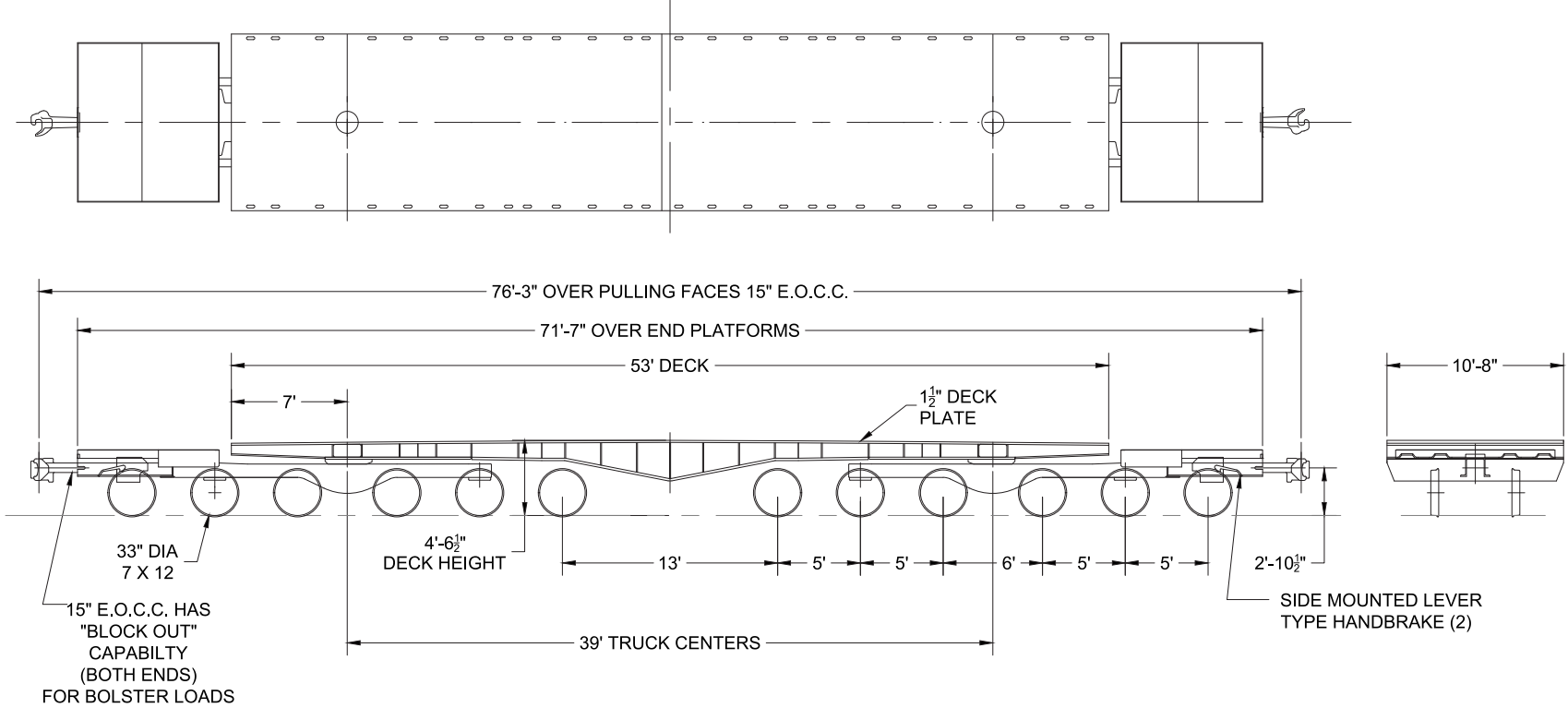
COOPERS RATING 360 Ton 53' FM - HSH53 QTTX 131600-131624

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	5				
2	78.75	5				
3	78.75	6				
4	78.75	5				
5	78.75	5				
6	78.75	13				
7	78.75	5				
8	78.75	5				
9	78.75	6				
10	78.75	5				
11	78.75	5				
12	78.75	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	158	78.8	108	78.8	138	78.8
10	221	78.4	118	78.8	158	78.8
12	315	78.8	138	78.8	184	78.7
13	374	78.8	145	78.7	200	81.2
14	433	78.8	152	78.7	214	82
15	492	78.8	158	78.8	226	82.6
16	551	78.8	162	76.4	236	83.1
18	669	78.8	179	76.9	263	86.5
20	788	76.4	193	77.2	284	86.5
25	1201	78.8	230	81.4	328	86.6
30	1693	82.5	268	85	375	87
35	2275	87	297	85.9	428	87.6
40	2862	87.3	321	85.1	484	89.7
45	3449	86.2	348	85.3	536	90.3
50	4096	86.2	378	86.7	576	89.5
60	5646	86.9	440	89.7	638	83.3
70	7526	88.2	506	91.6	682	77
80	9810	90.9	561	90.4	715	71.9
90	12159	91.1	604	88	740	67.7
100	14510	90.1	638	85.1	761	64.2
120	19219	83.4	689	79.4	791	58.2
140	23932	77.2	726	73.9	813	52.9
160	28648	72	753	69	830	48.3
180	33366	67.8	774	64.6	843	44.2
200	38086	64.2	791	63.6	853	40.7
225	43987	60.4	809	56.3	863	37
250	49888	56.8	822	52.5	871	33.8
275	55791	53.6	833	49.2	878	31.1
300	61694	50.6	843	46.2	884	28.8
350	73502	45.2	857	41.2	892	25.1
400	85311	40.7	868	37.2	899	22.2

FM 53' DECK 12 AXLE CAR DRAWING

4'-6½" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	608.5
4	641.5
8	678.0
12	719.0
14 & OVER	LOAD LIMIT

CENTER OF GRAVITY - EMPTY = 33" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "B"
TRUCKS HAVE D3, D5, D6A SPRINGS

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

CAR NUMBERS QTTX 131625-131636

		TTX COMPANY CHICAGO, ILLINOIS	
360 TON, 53 FOOT DECK FLAT CAR			
CLASS NSH53	DATE 09-14-00	REV E	16874

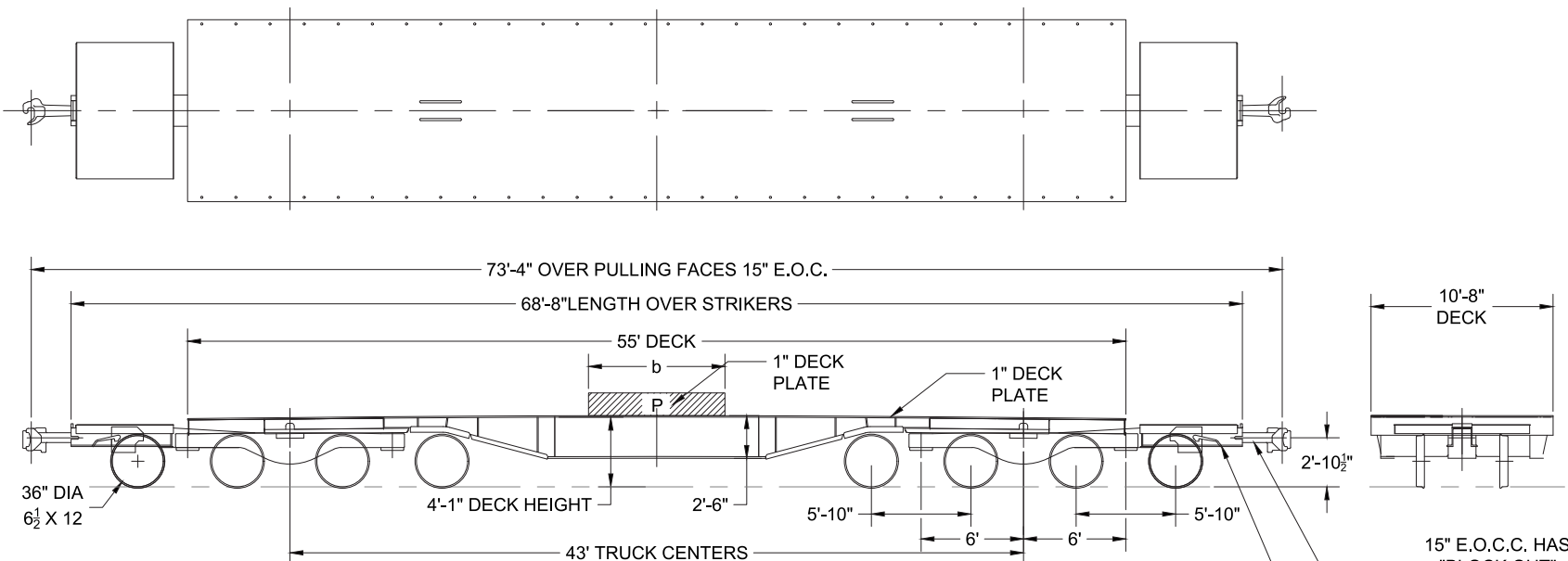
COOPERS RATING 360 Ton 53' FM - NSH53 QTTX 131625-131636

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	5				
2	78.75	5				
3	78.75	6				
4	78.75	5				
5	78.75	5				
6	78.75	13				
7	78.75	5				
8	78.75	5				
9	78.75	6				
10	78.75	5				
11	78.75	5				
12	78.75	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	158	78.8	108	78.8	138	78.8
10	221	78.4	118	78.8	158	78.8
12	315	78.8	138	78.8	184	78.7
13	374	78.8	145	78.7	200	81.2
14	433	78.8	152	78.7	214	82
15	492	78.8	158	78.8	226	82.6
16	551	78.8	162	76.4	236	83.1
18	669	78.8	179	76.9	263	86.5
20	788	76.4	193	77.2	284	86.5
25	1201	78.8	230	81.4	328	86.6
30	1693	82.5	268	85	375	87
35	2275	87	297	85.9	428	87.6
40	2862	87.3	321	85.1	484	89.7
45	3449	86.2	348	85.3	536	90.3
50	4096	86.2	378	86.7	576	89.5
60	5646	86.9	440	89.7	638	83.3
70	7526	88.2	506	91.6	682	77
80	9810	90.9	561	90.4	715	71.9
90	12159	91.1	604	88	740	67.7
100	14510	90.1	638	85.1	761	64.2
120	19219	83.4	689	79.4	791	58.2
140	23932	77.2	726	73.9	813	52.9
160	28648	72	753	69	830	48.3
180	33366	67.8	774	64.6	843	44.2
200	38086	64.2	791	63.6	853	40.7
225	43987	60.4	809	56.3	863	37
250	49888	56.8	822	52.5	871	33.8
275	55791	53.6	833	49.2	878	31.1
300	61694	50.6	843	46.2	884	28.8
350	73502	45.2	857	41.2	892	25.1
400	85311	40.7	868	37.2	899	22.2

FM 55' DECK 8 AXLE CAR DRAWING

4'-1" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	311.0*
2	318.5
4	326.0
6	334.5
8	343.0
10	352.0
12	361.5
14	371.5
16	382.5
18	393.5
19 & OVER	LOAD LIMIT

* MAX. CONCENTRATED LOAD

CENTER OF GRAVITY - EMPTY = 34" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "C"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

SIDE MOUNTED LEVER
TYPE HANDBRAKE
ON BOTH ENDS

15" E.O.C.C. HAS
"BLOCK OUT"
CAPABILITY
(BOTH ENDS)
FOR BOLSTER LOADS
(NOT ON CARS 131040-131046)

CAR NUMBERS QTTX 131025-131046

TTX TTX COMPANY
CHICAGO, ILLINOIS

195 TON, 55 FOOT DECK
FLAT CAR

CLASS DSH55	DATE 02-09-94	REV K	7225
----------------	------------------	----------	------

COOPERS RATING 195 Ton 55' FM - DSH55 QTTX 131025-131046

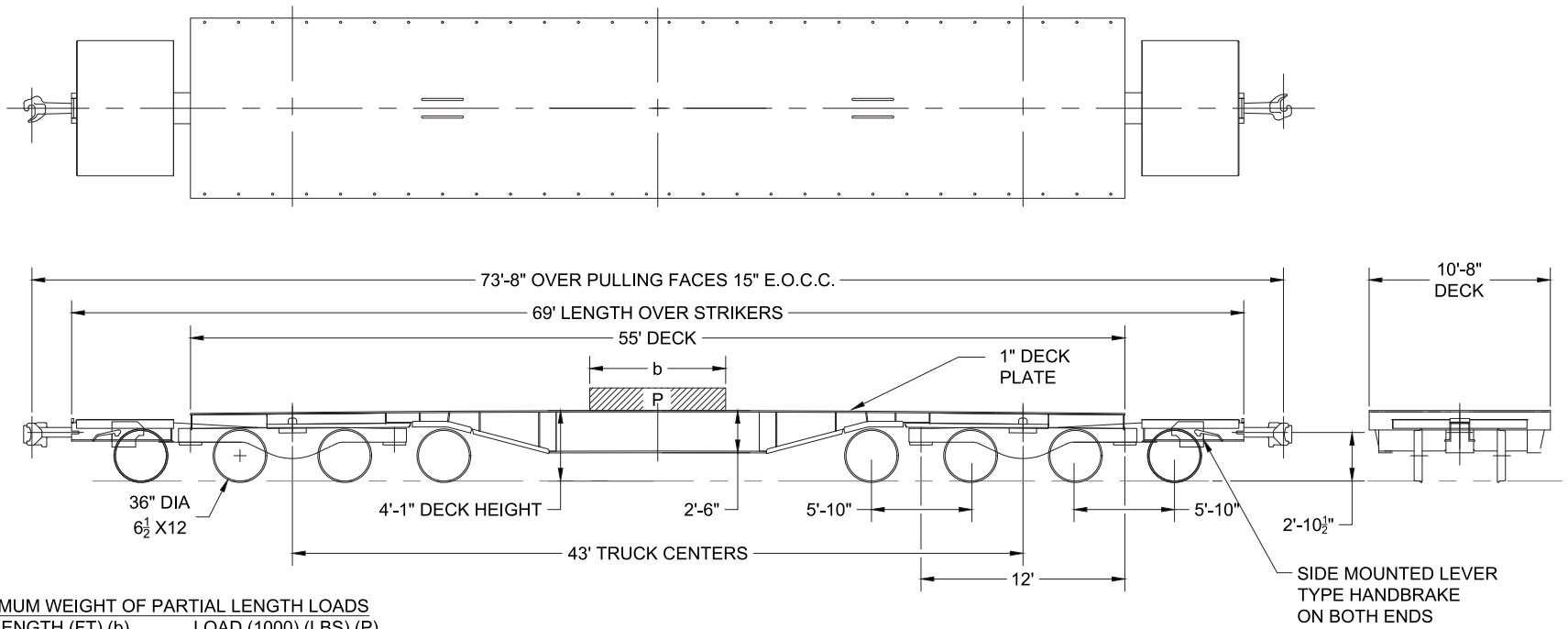
The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	65.75	5.833				
2	65.75	6.167				
3	65.75	5.833				
4	65.75	25.167				
5	65.75	5.833				
6	65.75	6.167				
7	65.75	5.833				
8	65.75	0				

SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	132	65.8	84	60.8	99	56.4
10	165	58.6	93	62.1	118	59.2
12	226	56.5	100	56.9	132	56.4
13	257	54.1	107	58	142	57.5
14	296	53.8	113	58.9	150	57.6
15	345	55.2	119	59.5	158	57.7
16	395	56.4	124	58.3	164	57.8
18	493	58	133	56.9	175	57.8
20	592	57.4	146	58.3	184	56.2
25	880	57.7	169	59.9	200	52.9
30	1204	58.7	185	58.6	210	48.8
35	1530	58.5	196	56.7	225	46.2
40	1857	56.6	204	54.2	248	46
45	2184	54.5	214	52.3	275	46.3
50	2511	52.8	227	52	300	46.6
60	3166	48.8	260	53.1	338	44.1
70	4005	46.9	297	53.8	364	41.2
80	5126	47.5	326	52.5	385	38.7
90	6412	48	348	50.8	400	36.6
100	7704	47.8	366	48.8	413	34.8
120	10299	44.7	393	45.2	432	31.7
140	12904	41.6	412	42	445	29
160	15516	39	426	39	455	26.5
180	18131	36.9	437	36.5	463	24.3
200	20750	35	446	35.8	469	22.4
225	24026	33	455	31.7	476	20.4
250	27304	31.1	462	29.5	481	18.7
275	30584	29.4	468	27.6	485	17.2
300	33865	27.8	473	25.9	488	15.9
350	40430	24.9	480	23.1	494	13.9
400	46998	22.4	486	20.8	498	12.3

FM 55' DECK 8 AXLE CAR DRAWING

4'-1" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	347.0*
2	355.5
4	364.0
6	373.0
8	382.5
10	393.0
12	403.5
14	414.5
16	426.5
18 & OVER	LOAD LIMIT

* MAX. CONCENTRATED LOAD

CENTER OF GRAVITY - EMPTY = 34" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "C"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

CAR NUMBERS QTTX 131047-131051

TTX TTX COMPANY
CHICAGO, ILLINOIS

220 TON, 55 FOOT DECK
FLAT CAR

CLASS DSH55A	DATE 05-02-95	REV F	9991
-----------------	------------------	----------	------

COOPERS RATING 220 Ton 55' FM - DSH55A QTTX 131047-131051

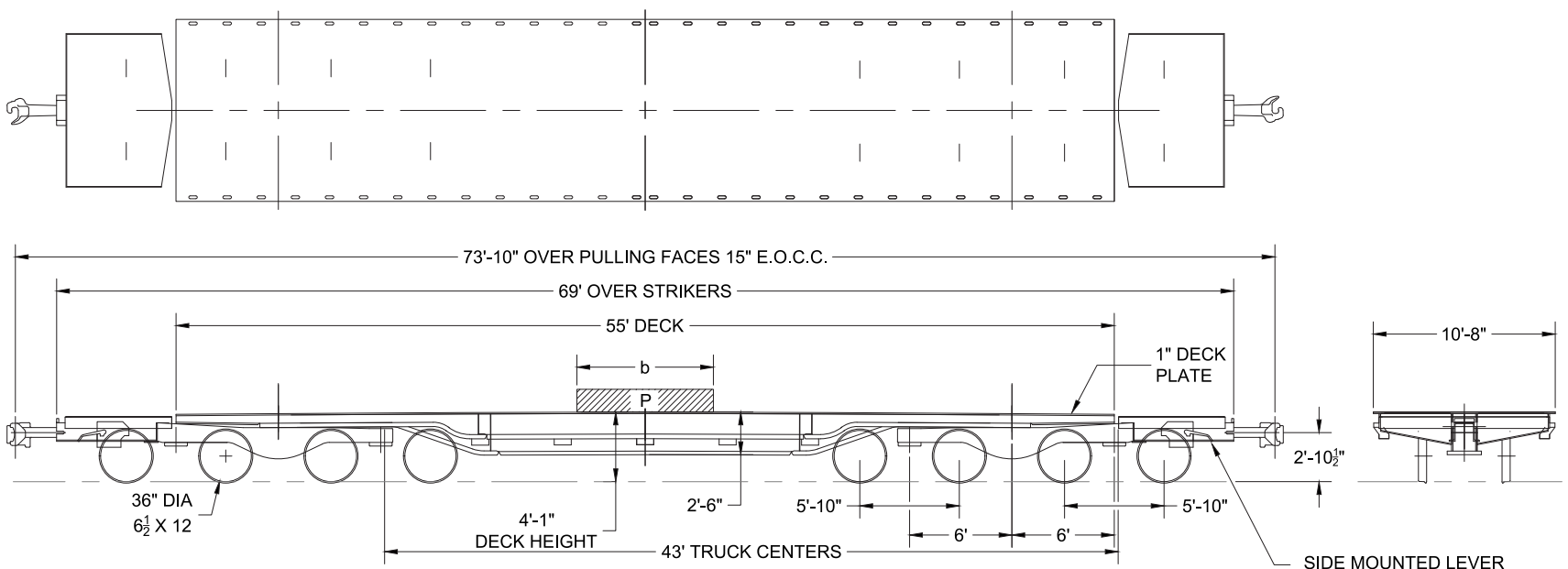
The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	71.5	5.833				
2	71.5	6.167				
3	71.5	5.833				
4	71.5	25.167				
5	71.5	5.833				
6	71.5	6.167				
7	71.5	5.833				
8	71.5	0				

SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	143	71.5	91	66.1	107	61.3
10	179	63.8	101	67.5	129	64.4
12	246	61.4	108	61.9	143	61.3
13	280	58.9	116	63.1	154	62.6
14	322	58.5	123	64	163	62.7
15	375	60.1	129	64.7	172	62.8
16	429	61.3	135	63.4	179	62.9
18	536	63.1	144	61.9	191	62.9
20	644	62.4	158	63.4	200	61.1
25	957	62.7	184	65.1	217	57.5
30	1310	63.8	201	63.8	229	53
35	1664	63.6	213	61.6	245	50.2
40	2019	61.6	222	59	270	50
45	2375	59.3	233	56.9	299	50.4
50	2731	57.4	247	56.6	326	50.6
60	3443	53	283	57.7	367	47.9
70	4355	51	323	58.5	396	44.8
80	5574	51.6	355	57.1	418	42.1
90	6972	52.2	379	55.2	435	39.8
100	8377	52	398	53.1	449	37.9
120	11200	48.6	427	49.2	470	34.5
140	14033	45.3	448	45.6	484	31.5
160	16872	42.4	463	42.5	495	28.8
180	19717	40.1	475	39.6	504	26.4
200	22564	38.1	485	39	511	24.4
225	26127	35.9	495	34.4	517	22.2
250	29692	33.8	502	32.1	523	20.3
275	33258	31.9	509	30	527	18.7
300	36826	30.2	514	28.2	531	17.3
350	43966	27	522	25.1	537	15.1
400	51108	24.4	529	22.7	541	13.4

FM 55' DECK 8 AXLE CAR DRAWING

4'-1" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS	
LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	346.0*
2	354.0
4	363.0
6	372.0
8	381.5
10	391.5
12	402.0
14	413.5
16	425.0
18 & OVER	LOAD LIMIT
* MAX. CONCENTRATED LOAD	

CAR NUMBERS QTTX 131052-131056

CENTER OF GRAVITY - EMPTY = 35" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "C"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

TTX

TTX COMPANY
CHICAGO, ILLINOIS

220 TON, 55 FOOT DECK
FLAT CAR

CLASS KSH55A	DATE 09-10-99	REV F	11601
-----------------	------------------	----------	-------

COOPERS RATING 220 Ton 55' FM - KSH55A QTTX 131052-131056

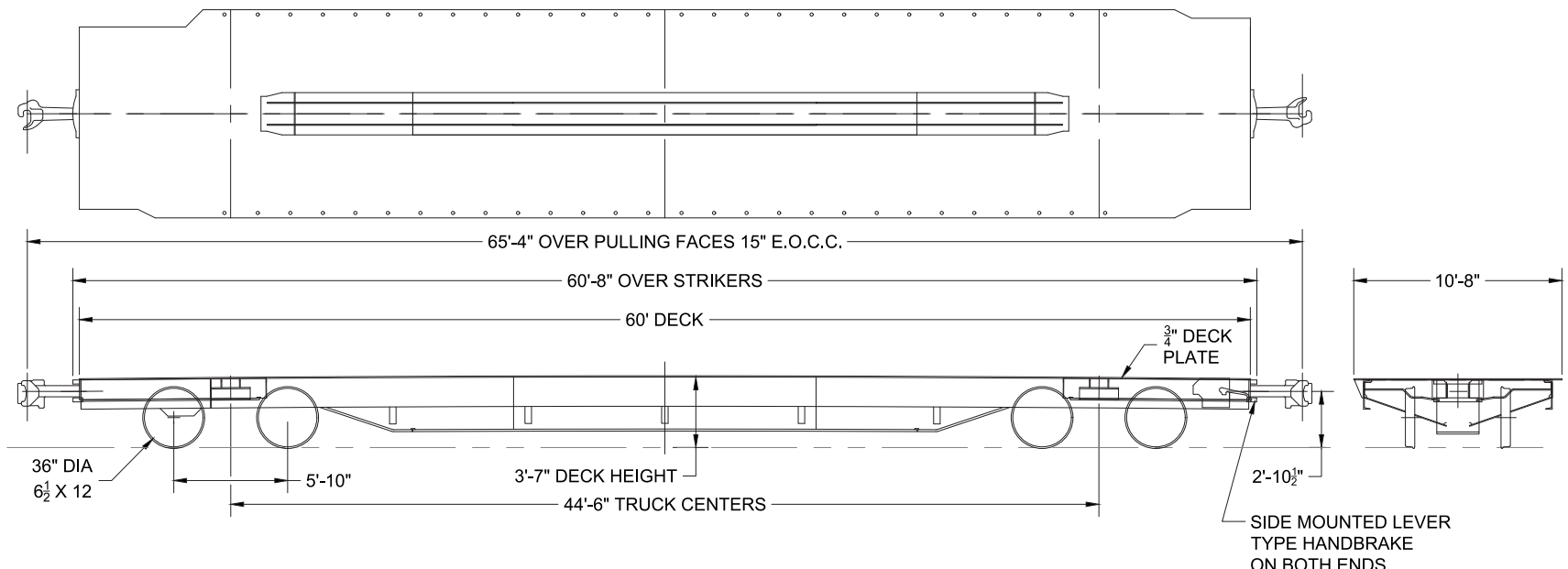
The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	71.5	5.833				
2	71.5	6.167				
3	71.5	5.833				
4	71.5	25.167				
5	71.5	5.833				
6	71.5	6.167				
7	71.5	5.833				
8	71.5	0				

SPAN	BEND	E	SHEAR	E	FLOOR	E
FT.	FT-KIPS		KIPS		KIPS	
8	143	71.5	91	66.1	107	61.3
10	179	63.8	101	67.5	129	64.4
12	246	61.4	108	61.9	143	61.3
13	280	58.9	116	63.1	154	62.6
14	322	58.5	123	64	163	62.7
15	375	60.1	129	64.7	172	62.8
16	429	61.3	135	63.4	179	62.9
18	536	63.1	144	61.9	191	62.9
20	644	62.4	158	63.4	200	61.1
25	957	62.7	184	65.1	217	57.5
30	1310	63.8	201	63.8	229	53
35	1664	63.6	213	61.6	245	50.2
40	2019	61.6	222	59	270	50
45	2375	59.3	233	56.9	299	50.4
50	2731	57.4	247	56.6	326	50.6
60	3443	53	283	57.7	367	47.9
70	4355	51	323	58.5	396	44.8
80	5574	51.6	355	57.1	418	42.1
90	6972	52.2	379	55.2	435	39.8
100	8377	52	398	53.1	449	37.9
120	11200	48.6	427	49.2	470	34.5
140	14033	45.3	448	45.6	484	31.5
160	16872	42.4	463	42.5	495	28.8
180	19717	40.1	475	39.6	504	26.4
200	22564	38.1	485	39	511	24.4
225	26127	35.9	495	34.4	517	22.2
250	29692	33.8	502	32.1	523	20.3
275	33258	31.9	509	30	527	18.7
300	36826	30.2	514	28.2	531	17.3
350	43966	27	522	25.1	537	15.1
400	51108	24.4	529	22.7	541	13.4

FM 60' DECK 4 AXLE CAR DRAWING

3'-7" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	170.0*
2	174.0
4	178.0
6	182.5
8	187.0
10	191.5
12	196.5
14	202.0
16	207.5
18 & OVER	LOAD LIMIT

* MAX. CONCENTRATED LOAD

CAR NUMBERS QTTX 131200-131209

CENTER OF GRAVITY - EMPTY = 30" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "C"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

TTX TTX COMPANY
CHICAGO, ILLINOIS

105 TON, 60 FOOT DECK
FLAT CAR

CLASS DSH60	DATE 11-21-95	REV F	10241
----------------	------------------	----------	-------

COOPERS RATING 105 Ton 60' FM - DSH60 QTTX 131200-131209

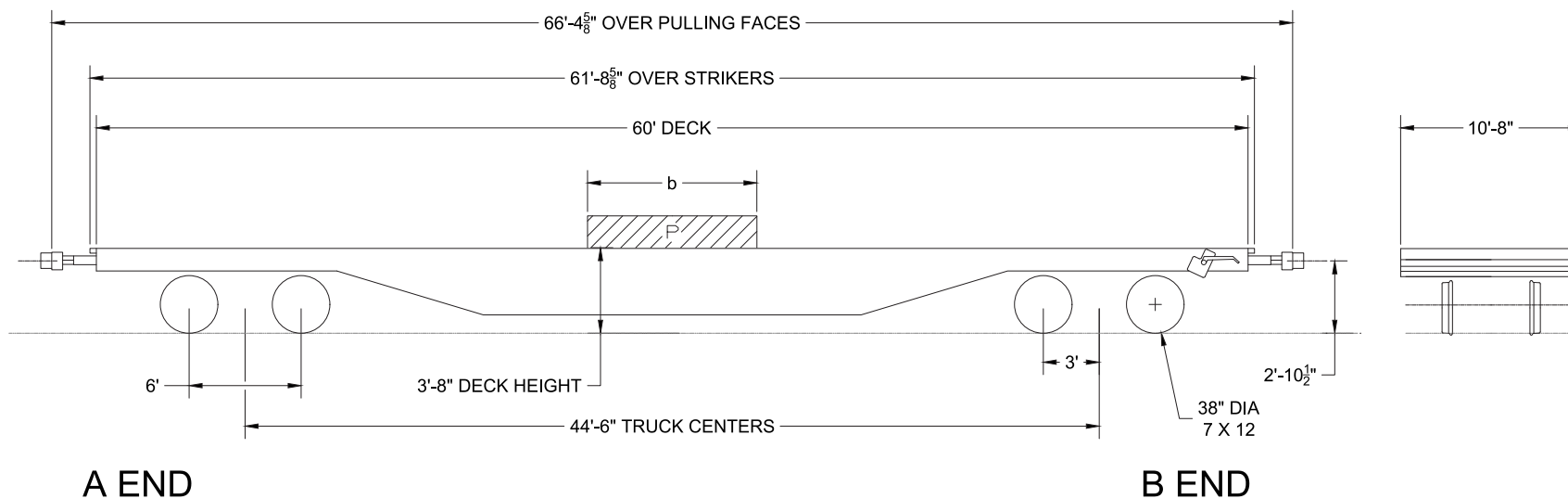
The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)		Axle Spacing (ft)			
1	71.5		5.833			
2	71.5		38.667			
3	71.5		5.833			
4	71.5		0			

SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	143	71.5	91	66.1	91	51.9
10	179	63.8	101	67.5	101	50.6
12	246	61.4	108	61.9	108	46.4
13	280	58.9	111	60.1	111	45.1
14	314	57	113	58.7	113	43.4
15	348	55.7	115	57.6	115	42.1
16	382	54.6	117	55	117	41.1
18	452	53.2	120	51.4	120	39.5
20	522	50.6	122	48.9	122	37.3
25	697	45.7	126	44.7	126	33.4
30	874	42.6	129	41	129	29.9
35	1051	40.2	131	37.9	131	26.9
40	1229	37.5	133	35.2	135	25
45	1407	35.1	135	32.9	145	24.4
50	1585	33.3	143	32.7	159	24.7
60	1942	29.9	166	33.9	180	23.5
70	2298	26.9	183	33.1	195	22
80	2872	26.6	196	31.6	206	20.8
90	3550	26.6	206	30	215	19.7
100	4236	26.3	214	28.5	222	18.8
120	5621	24.4	226	26	233	17.1
140	7019	22.6	235	23.9	241	15.6
160	8425	21.2	241	22.1	246	14.3
180	9837	20	246	20.5	251	13.2
200	11252	19	250	20.1	254	12.1
225	13025	17.9	254	17.7	258	11
250	14800	16.9	257	16.4	261	10.1
275	16578	15.9	260	15.3	263	9.3
300	18357	15	262	14.4	265	8.6
350	21920	13.5	265	12.8	268	7.5
400	25485	12.2	268	11.5	270	6.7

FM 60' DECK 4 AXLE CAR DRAWING

3'-8" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	191.0*
2	195.5
4	200.0
6	205.0
8	210.0
10	215.5
12	221.0
14	227.0
16	233.0
18 & OVER	LOAD LIMIT

* MAX. CONCENTRATED LOAD

CENTER OF GRAVITY - EMPTY = 32" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "C"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

CAR NUMBERS QTTX 131210-131211

TTX TTX COMPANY
CHICAGO, ILLINOIS

120 TON, 60 FOOT DECK
FLAT CAR

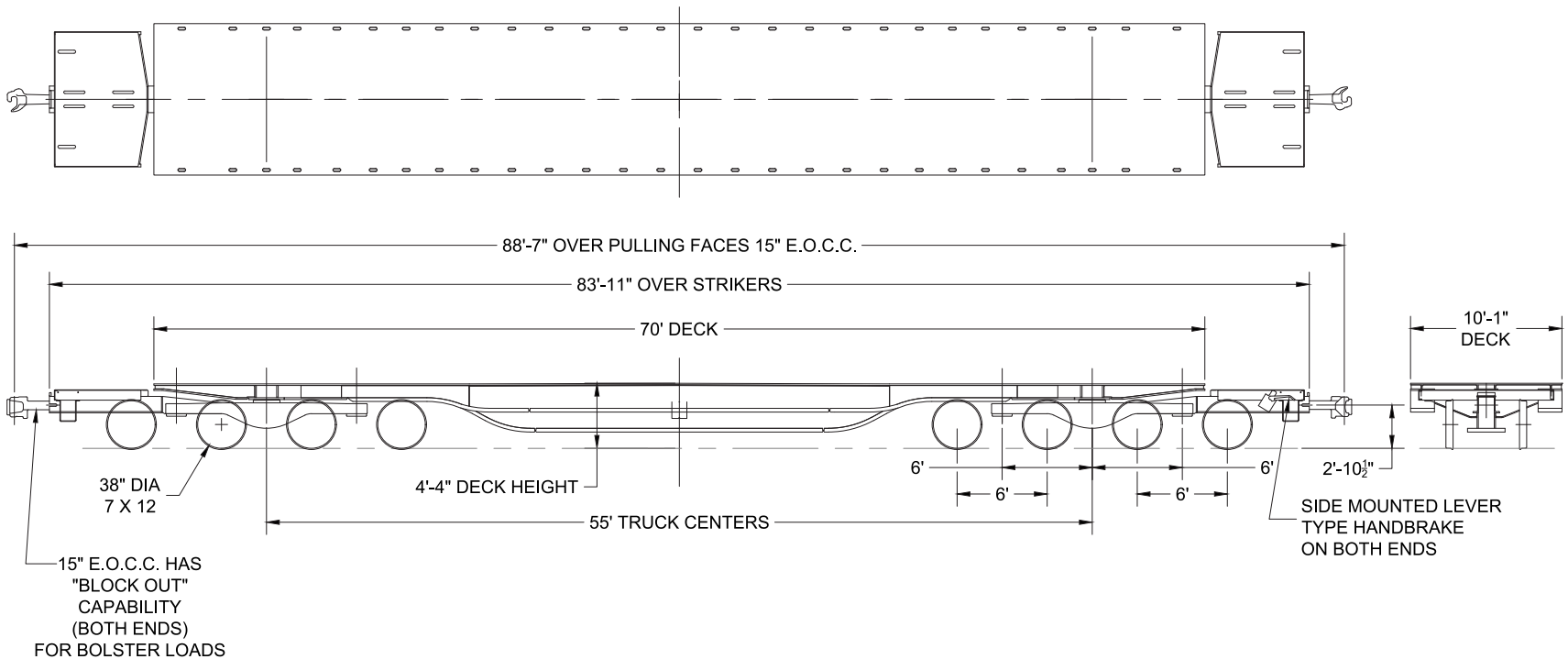
CLASS KSH60	DATE 04-04-01	REV F	12153
----------------	------------------	----------	-------

COOPERS RATING
115 Ton 60' FM - KSH60
QTTX 131210-131211

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	6				
2	78.75	38.5				
3	78.75	6				
4	78.75	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	158	78.8	98	71.6	98	56.3
10	197	70	110	73.5	110	55.1
12	266	66.4	118	67.5	118	50.6
13	303	63.8	121	65.6	121	49.2
14	340	61.9	124	64.2	124	47.5
15	378	60.5	126	63	126	46.1
16	416	59.4	128	60.2	128	45
18	492	57.9	131	56.2	131	43.3
20	569	55.2	134	53.6	134	40.8
25	762	50	139	49	139	36.6
30	957	46.6	142	45	142	32.9
35	1152	44.1	144	41.6	144	29.5
40	1348	41.1	146	38.6	149	27.5
45	1544	38.6	148	36.2	159	26.8
50	1740	36.6	157	35.9	175	27.2
60	2132	32.8	182	37.2	198	25.9
70	2525	29.6	201	36.4	215	24.3
80	3160	29.3	216	34.7	227	22.9
90	3907	29.3	227	33	237	21.7
100	4662	28.9	235	31.4	245	20.7
120	6189	26.8	249	28.6	257	18.9
140	7729	24.9	258	26.3	265	17.2
160	9278	23.3	265	24.3	271	15.8
180	10833	22	271	22.6	276	14.5
200	12392	20.9	275	22.1	280	13.4
225	14344	19.7	280	19.5	284	12.2
250	16300	18.6	283	18.1	287	11.1
275	18258	17.5	286	16.9	290	10.3
300	20218	16.6	288	15.8	292	9.5
350	24141	14.8	292	14.1	295	8.3
400	28069	13.4	295	12.7	297	7.3

FM 70' DECK 8 AXLE CAR DRAWING

4'-4" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	381.5*
4	396.0
8	411.5
12	428.0
16	446.5
18 & OVER	LOAD LIMIT

* MAX. CONCENTRATED LOAD

CAR NUMBERS QTTX 131250-131259
CAR NUMBERS QTTX 131365-131429

CENTER OF GRAVITY - EMPTY = 34" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "C"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

TTX TTX COMPANY
CHICAGO, ILLINOIS

230 TON, 70 FOOT DECK
FLAT CAR

CLASS	DATE	REV	
SSH70 & JSH70	06-01-02	L	11007

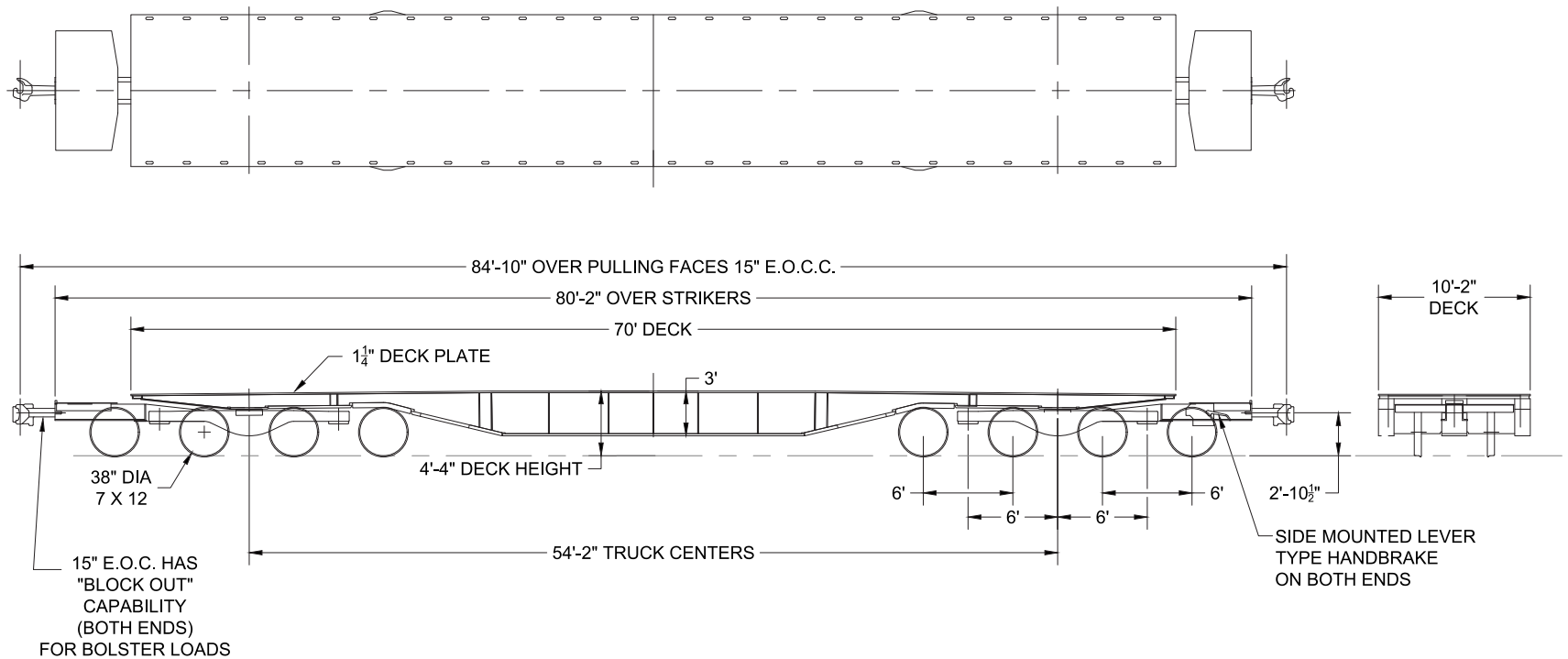
COOPERS RATING 230 Ton 70' FM SSH70 - QTTX 131250-131259 JSH70 – QTTX 131365-131429

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	6				
2	78.75	6				
3	78.75	6				
4	78.75	37				
5	78.75	6				
6	78.75	6				
7	78.75	6				
8	78.75	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	158	78.8	98	71.6	118	67.5
10	197	70	110	73.5	142	70.9
12	266	66.4	118	67.5	158	67.5
13	303	63.8	127	68.9	170	68.9
14	354	64.4	135	70	180	69
15	413	66.2	142	70.9	189	69.1
16	473	67.5	148	69.5	197	69.2
18	591	69.5	158	67.5	210	69.2
20	709	68.7	173	69.3	221	67.3
25	1052	69	202	71.3	239	63.3
30	1441	70.2	221	70	252	58.4
35	1832	70	234	67.7	261	53.5
40	2223	67.8	244	64.8	268	49.6
45	2615	65.3	252	61.7	277	46.6
50	3007	63.2	258	59.2	291	45.3
60	3792	58.4	274	56	341	44.5
70	4578	53.6	305	55.2	383	43.2
80	5364	49.7	343	55.2	413	41.6
90	6297	47.2	375	54.6	438	40
100	7626	47.4	400	53.3	457	38.5
120	10686	46.4	438	50.5	486	35.7
140	13772	44.4	466	47.5	506	32.9
160	16874	42.4	486	44.6	522	30.4
180	19987	40.6	502	41.9	534	28
200	23107	39	515	41.4	543	25.9
225	27014	37.1	528	36.8	553	23.7
250	30928	35.2	538	34.4	561	21.8
275	34846	33.5	546	32.2	567	20.1
300	38767	31.8	553	30.3	572	18.7
350	46616	28.7	564	27.1	581	16.3
400	54472	26	573	24.5	587	14.5

FM 70' DECK 8 AXLE CAR DRAWING

4'-4" DECK HEIGHT ABOVE RAIL IS MEASURED AT CENTER OF CARBODY, INCLUDING CAMBER, WITH A LOAD
EQUAL TO 50% OF LOAD LIMIT UNIFORMLY DISTRIBUTED OVER FULL LENGTH OF LOAD DECK.



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
0	391.0*
4	406.0
8	422.5
12	440.0
16	459.0
18 & OVER	LOAD LIMIT

* MAX. CONCENTRATED LOAD

CAR NUMBERS QTTX 131260-131364
CAR NUMBERS QTTX 131430-131459

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

CENTER OF GRAVITY - EMPTY = 35" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "C"

TTX TTX COMPANY
CHICAGO, ILLINOIS

230 TON, 70 FOOT DECK
FLAT CAR

CLASS RSH70	DATE 06-01-02	REV K	11600
----------------	------------------	----------	-------

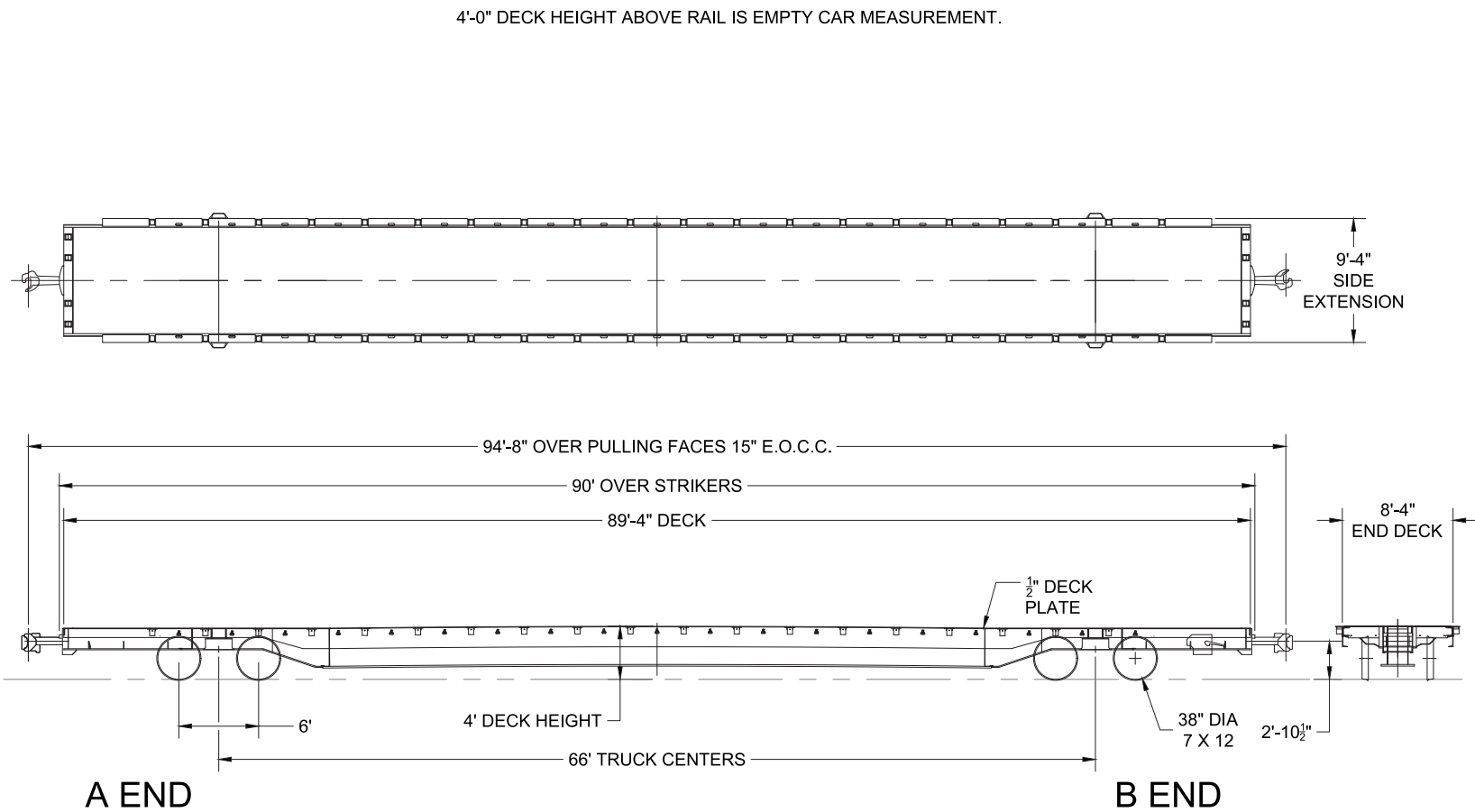
230 Ton 70' FM - RSH70 QTTX 131260-131364 QTTX 131430-131459

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	6				
2	78.75	6				
3	78.75	6				
4	78.75	36.133				
5	78.75	6				
6	78.75	6				
7	78.75	6				
8	78.75	0				

SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	158	78.8	98	71.6	118	67.5
10	197	70	110	73.5	142	70.9
12	266	66.4	118	67.5	158	67.5
13	303	63.8	127	68.9	170	68.9
14	354	64.4	135	70	180	69
15	413	66.2	142	70.9	189	69.1
16	473	67.5	148	69.5	197	69.2
18	591	69.5	158	67.5	210	69.2
20	709	68.7	173	69.3	221	67.3
25	1052	69	202	71.3	239	63.3
30	1441	70.2	221	70	252	58.4
35	1832	70	234	67.7	261	53.5
40	2223	67.8	244	64.8	268	49.6
45	2615	65.3	252	61.7	278	46.9
50	3007	63.2	258	59.2	295	45.9
60	3792	58.4	275	56.2	346	45.1
70	4578	53.6	308	55.7	386	43.7
80	5364	49.7	346	55.7	417	41.9
90	6355	47.6	378	55	441	40.3
100	7738	48	403	53.7	459	38.8
120	10802	46.9	441	50.7	488	35.9
140	13891	44.8	468	47.7	508	33.1
160	16995	42.7	488	44.7	523	30.5
180	20110	40.9	504	42	535	28.1
200	23231	39.2	516	41.5	545	26
225	27140	37.3	529	36.8	554	23.7
250	31055	35.4	539	34.4	562	21.8
275	34973	33.6	547	32.3	568	20.1
300	38895	31.9	554	30.4	573	18.7
350	46746	28.7	565	27.2	581	16.4
400	54603	26.1	573	24.6	587	14.5

FM 89' DECK 4 AXLE CAR DRAWING



MAXIMUM WEIGHT OF PARTIAL LENGTH LOADS

LOAD LENGTH (FT) (b)	LOAD (1000) (LBS) (P)
5	115.0
20	135.5
40	165.5
66	LOAD LIMIT

CAR NUMBERS QTTX 132000-132049

CENTER OF GRAVITY - EMPTY = 30" ATR
CLEARANCE PROFILE WITHIN AAR PLATE "C"

SEE APPENDIX A FOR LIGHT WEIGHT AND LOAD LIMIT

TTX TTX COMPANY
CHICAGO, ILLINOIS

115 TON, 89 FOOT DECK
FLAT CAR

CLASS HSH89	DATE 06-01-02	REV G	12365
----------------	------------------	----------	-------

COOPERS RATING
115 Ton 98' FM - HSH89
QTTX 132000-132049

The Coopers Rating shown represents the rating for a single, uncoupled, fully loaded QTTX car. QTTX cars not loaded to full capacity will have reduced Coopers Ratings.

AXLE NO.	LOAD (kips)	Axle Spacing (ft)				
1	78.75	6				
2	78.75	60				
3	78.75	6				
4	78.75	0				
SPAN FT.	BEND FT-KIPS	E	SHEAR KIPS	E	FLOOR KIPS	E
8	158	78.8	98	71.6	98	56.3
10	197	70	110	73.5	110	55.1
12	266	66.4	118	67.5	118	50.6
13	303	63.8	121	65.6	121	49.2
14	340	61.9	124	64.2	124	47.5
15	378	60.5	126	63	126	46.1
16	416	59.4	128	60.2	128	45
18	492	57.9	131	56.2	131	43.3
20	569	55.2	134	53.6	134	40.8
25	762	50	139	49	139	36.6
30	957	46.6	142	45	142	32.9
35	1152	44.1	144	41.6	144	29.5
40	1348	41.1	146	38.6	146	27
45	1544	38.6	147	36	147	24.8
50	1740	36.6	148	33.9	148	23
60	2132	32.8	150	30.5	150	19.5
70	2525	29.6	155	28.1	167	18.8
80	2918	27	173	27.9	185	18.6
90	3311	24.8	189	27.5	200	18.3
100	3705	23	202	26.9	211	17.8
120	4843	21	221	25.4	228	16.8
140	6334	20.4	234	23.8	241	15.7
160	7845	19.7	244	22.4	250	14.5
180	9371	19.1	252	21	257	13.5
200	10907	18.4	258	20.7	263	12.6
225	12836	17.6	265	18.4	269	11.5
250	14774	16.8	270	17.2	273	10.6
275	16716	16.1	274	16.2	277	9.8
300	18664	15.3	277	15.2	280	9.2
350	22568	13.9	283	13.6	285	8
400	26480	12.6	287	12.3	289	7.1

APPENDIX A: LIGHT WEIGHTS AND LOAD LIMITS

Depressed Center Heavy Duty Railcars

47' Deck Length 8 Axle Railcars					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
130500	IDH47	47'	8	228,000	298,000
130501	IDH47	47'	8	227,900	298,100
130502	DDH47	47'	8	228,400	343,600
130503	DDH47	47'	8	226,600	345,400
130504	KDH47	47'	8	245,900	326,100

25' Deck Length 4 Axle Railcars					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
130525	DDH24	25'	4	70,000	245,000
130526	DDH24	25'	4	70,300	244,700
130527	DDH24	25'	4	70,100	244,900
130528	DDH24	25'	4	70,200	244,800
130529	DDH24	25'	4	70,100	244,900
130530	DDH24	25'	4	70,700	244,300
130531	DDH24	25'	4	69,900	245,100
130532	DDH24	25'	4	70,200	244,800
130533	DDH24	25'	4	70,200	244,800
130534	DDH24	25'	4	70,500	244,500

25' Deck Length 8 Axle Railcars					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
130550	DDH25	25'	8	142,900	383,100
130551	DDH25	25'	8	143,300	382,700
130552	DDH25	25'	8	143,900	382,100
130553	DDH25	25'	8	143,600	382,400
130555	DDH25	25'	8	143,800	382,200
130556	DDH25	25'	8	143,500	382,500
130557	KDH25A	25'	8	162,200	409,800
130558	KDH25A	25'	8	162,200	409,800
130559	KDH25A	25'	8	162,400	409,600
130560	KDH25A	25'	8	162,200	409,800
130561	KDH25A	25'	8	148,000	424,000
130562	KDH25A	25'	8	168,500	403,500
130563	KDH25A	25'	8	162,200	409,800
130564	KDH25A	25'	8	162,200	409,800
130565	KDH25A	25'	8	162,200	409,800
130566	KDH25A	25'	8	162,200	409,800
130567	KDH25A	25'	8	148,000	424,000

25' Deck Length 8 Axle Railcars (Continued)					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
130962	MDH25	25'	8	132,700	307,300
130963	MDH25	25'	8	133,000	307,000
130964	MDH25	25'	8	130,700	309,300
130966	MDH25	25'	8	132,000	308,000

38' Deck Length 4 Axle Railcars					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
130575	DDH38	38'	4	91,400	223,600
130576	DDH38	38'	4	91,300	223,700
130577	DDH38	38'	4	90,900	224,100
130578	DDH38	38'	4	91,300	223,700
130579	DDH38	38'	4	91,300	223,700
130580	DDH38	38'	4	91,600	223,400

32' Deck Length 8 Axle Railcars					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
130600	IDH32	32'	8	155,200	370,800
130601	IDH32	32'	8	155,500	370,500
130602	IDH32	32'	8	155,700	370,300
130603	IDH32	32'	8	155,500	370,500
130604	IDH32	32'	8	155,700	370,300
130605	KDH32	32'	8	160,000	366,000

32' Deck Length 12 Axle Railcars					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
130650	KDH32A	32'	12	280,000	665,000
130651	KDH32A	32'	12	280,000	665,000
130652	KDH32A	32'	12	280,000	665,000
130653	KDH32A	32'	12	280,000	665,000
130654	KDH32A	32'	12	292,600	652,400
130655	KDH32A	32'	12	280,000	665,000

APPENDIX A: LIGHT WEIGHTS AND LOAD LIMITS

27' Deck Length 8 Axle Railcars						
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit	
130700	IDH27	27'	8	170,000	460,000	
130701	IDH27	27'	8	169,100	460,900	
130702	IDH27	27'	8	171,100	458,900	
130703	IDH27	27'	8	171,300	458,700	
130704	DDH27	27'	8	164,500	465,500	
130705	DDH27	27'	8	163,600	466,400	
130706	DDH27	27'	8	164,200	465,800	
130707	DDH27	27'	8	164,600	465,400	
130708	HDH27	27'	8	165,400	464,600	
130709	HDH27	27'	8	163,300	466,700	
130710	HDH27	27'	8	163,100	466,900	
130711	HDH27	27'	8	163,700	466,300	
130712	HDH27	27'	8	162,000	468,000	
130713	HDH27	27'	8	162,000	468,000	
130714	KDH27	27'	8	170,400	459,600	
130715	KDH27	27'	8	170,400	459,600	
130716	KDH27	27'	8	170,400	459,600	
130717	KDH27	27'	8	180,300	449,700	
130718	HDH27	27'	8	164,000	466,000	
130719	HDH27	27'	8	163,000	467,000	
130720	HDH27	27'	8	164,000	466,000	
130721	HDH27	27'	8	163,000	467,000	
130722	HDH27	27'	8	163,000	467,000	
130723	HDH27	27'	8	164,000	466,000	
130724	HDH27	27'	8	163,000	467,000	
130725	HDH27	27'	8	163,000	467,000	
130726	HDH27	27'	8	163,000	467,000	
130727	HDH27	27'	8	163,900	466,100	
130728	HDH27	27'	8	164,000	466,000	
130729	HDH27	27'	8	163,000	467,000	
130730	HDH27	27'	8	163,000	467,000	
130731	HDH27	27'	8	163,000	467,000	
130732	HDH27	27'	8	163,000	467,000	
130733	HDH27	27'	8	164,000	466,000	
130734	HDH27	27'	8	163,000	467,000	
130735	HDH27	27'	8	164,000	466,000	
130736	HDH27	27'	8	164,000	466,000	

27' Deck Length 8 Axle Railcars (Continued)						
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit	
130737	HDH27	27'	8	165,000	465,000	
130738	HDH27	27'	8	164,000	466,000	
130739	HDH27	27'	8	164,000	466,000	
130740	HDH27	27'	8	164,000	466,000	
130741	HDH27	27'	8	164,000	466,000	
130742	HDH27	27'	8	164,000	466,000	
130743	HDH27	27'	8	163,000	467,000	
130744	HDH27	27'	8	164,000	466,000	
130745	HDH27	27'	8	164,000	466,000	
130746	HDH27	27'	8	167,800	462,200	
130747	HDH27	27'	8	166,300	463,700	
130748	HDH27	27'	8	164,000	466,000	
130749	HDH27	27'	8	164,000	466,000	

18'-6" Deck Length 4 Axle Railcars						
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit	
130970	MDH18	18' 6"	4	62,500	200,500	
130971	MDH18	18' 6"	4	62,400	200,600	

APPENDIX A: LIGHT WEIGHTS AND LOAD LIMITS

Flat Deck Heavy Duty Railcars

50' Deck Length 8 Axle Railcars					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
131000	ISH50	50'	8	144,200	485,800
131001	ISH50	50'	8	144,500	485,500
131002	ISH50	50'	8	144,800	485,200
131003	ISH50	50'	8	144,400	485,600
131004	ISH50	50'	8	148,100	481,900
131005	ISH50	50'	8	144,700	485,300

55' Deck Length 8 Axle Railcars					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
131025	DSH55	55'	8	132,100	393,900
131026	DSH55	55'	8	135,800	390,200
131027	DSH55	55'	8	133,000	393,000
131028	DSH55	55'	8	136,500	389,500
131029	DSH55	55'	8	133,200	392,800
131030	DSH55	55'	8	132,700	393,300
131031	DSH55	55'	8	132,400	393,600
131032	DSH55	55'	8	132,700	393,300
131033	DSH55	55'	8	132,600	393,400
131034	DSH55	55'	8	132,500	393,500
131035	DSH55	55'	8	131,500	394,500
131036	DSH55	55'	8	131,800	394,200
131037	DSH55	55'	8	131,800	394,200
131038	DSH55	55'	8	131,700	394,300
131039	DSH55	55'	8	131,500	394,500
131040	DSH55	55'	8	132,900	393,100
131041	DSH55	55'	8	133,200	392,800
131042	DSH55	55'	8	131,000	395,000
131043	DSH55	55'	8	130,100	395,900
131044	DSH55	55'	8	131,000	395,000
131045	DSH55	55'	8	131,100	394,900
131046	DSH55	55'	8	130,700	395,300
131047	DSH55A	55'	8	133,100	438,900
131048	DSH55A	55'	8	133,300	438,700
131049	DSH55A	55'	8	133,100	438,900
131050	DSH55A	55'	8	132,500	439,500
131051	DSH55A	55'	8	131,700	440,300
131052	KSH55A	55'	8	134,000	438,000

55' Deck Length 8 Axle Railcars (Continued)					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
131053	KSH55A	55'	8	134,000	438,000
131054	KSH55A	55'	8	134,700	437,300
131055	KSH55A	55'	8	134,000	438,000
131056	KSH55A	55'	8	134,000	438,000

45' Deck Length 12 Axle Railcars					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
131100	NSH45	45'	12	210,000	735,000
131101	NSH45	45'	12	207,400	737,600
131102	NSH45	45'	12	206,100	738,900
131103	NSH45	45'	12	206,600	738,400
131104	DSH45	45'	12	202,900	742,100
131105	DSH45	45'	12	202,500	742,500
131106	DSH45	45'	12	202,800	742,200
131107	DSH45A	45'	12	201,100	743,900
131108	DSH45A	45'	12	201,100	743,900
131109	DSH45A	45'	12	201,100	743,900
131110	HSH45A	45'	12	201,300	743,700
131111	HSH45A	45'	12	200,000	745,000
131112	HSH45A	45'	12	200,000	745,000
131113	HSH45A	45'	12	200,000	745,000
131114	HSH45A	45'	12	200,000	745,000
131115	HSH45A	45'	12	200,000	745,000
131116	HSH45A	45'	12	201,200	743,800
131117	HSH45A	45'	12	201,200	743,800
131118	HSH45A	45'	12	199,600	745,400
131119	HSH45A	45'	12	200,300	744,700
131120	HSH45A	45'	12	200,100	744,900
131121	HSH45A	45'	12	200,700	744,300
131122	HSH45A	45'	12	201,700	743,300
131123	HSH45A	45'	12	200,600	744,400
131124	HSH45A	45'	12	201,100	743,900
131125	HSH45A	45'	12	201,100	743,900
131126	HSH45A	45'	12	201,700	743,300
131127	HSH45A	45'	12	201,400	743,600

48' Deck Length 12 Axle Railcars					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
131140	KSH48	48'	12	201,000	744,000

APPENDIX A: LIGHT WEIGHTS AND LOAD LIMITS

60' Deck Length 4 Axle Railcars					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
131200	DSH60	60'	4	71,400	214,600
131201	DSH60	60'	4	72,800	213,200
131202	DSH60	60'	4	72,900	213,100
131203	DSH60	60'	4	72,900	213,100
131204	DSH60	60'	4	72,800	213,200
131205	DSH60	60'	4	71,600	214,400
131206	DSH60	60'	4	72,500	213,500
131207	DSH60	60'	4	73,200	212,800
131208	DSH60	60'	4	72,800	213,200
131209	DSH60	60'	4	72,800	213,200
131210	KSH60	60'	4	75,000	240,000
131211	KSH60	60'	4	75,000	240,000

70' Deck Length 8 Axle Railcars					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
131250	SSH70	70'	8	170,600	459,400
131251	SSH70	70'	8	172,300	457,700
131252	SSH70	70'	8	170,500	459,500
131253	SSH70	70'	8	170,900	459,100
131254	SSH70	70'	8	170,800	459,200
131255	SSH70	70'	8	170,100	459,900
131256	SSH70	70'	8	170,700	459,300
131257	SSH70	70'	8	171,900	458,100
131258	SSH70	70'	8	171,900	458,100
131259	SSH70	70'	8	170,900	459,100
131260	RSH70	70'	8	159,600	470,400
131261	RSH70	70'	8	159,600	470,400
131262	RSH70	70'	8	159,300	470,700
131263	RSH70	70'	8	158,800	471,200
131264	RSH70	70'	8	159,300	470,700
131265	RSH70	70'	8	159,500	470,500
131266	RSH70	70'	8	159,400	470,600
131267	RSH70	70'	8	159,600	470,400
131268	RSH70	70'	8	159,300	470,700
131269	RSH70	70'	8	159,200	470,800
131270	RSH70	70'	8	160,600	469,400
131271	RSH70	70'	8	160,600	469,400
131272	RSH70	70'	8	159,800	470,200
131273	RSH70	70'	8	159,900	470,100
131274	RSH70	70'	8	160,000	470,000

70' Deck Length 8 Axle Railcars (Continued)					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
131275	RSH70	70'	8	160,700	469,300
131276	RSH70	70'	8	161,000	469,000
131277	RSH70	70'	8	160,500	469,500
131278	RSH70	70'	8	160,400	469,600
131279	RSH70	70'	8	160,200	469,800
131280	RSH70	70'	8	160,400	469,600
131281	RSH70	70'	8	160,000	470,000
131282	RSH70	70'	8	160,800	469,200
131283	RSH70	70'	8	161,200	468,800
131284	RSH70	70'	8	161,600	468,400
131285	RSH70	70'	8	160,900	469,100
131286	RSH70	70'	8	161,100	468,900
131287	RSH70	70'	8	160,700	469,300
131288	RSH70	70'	8	160,900	469,100
131289	RSH70	70'	8	161,000	469,000
131290	RSH70	70'	8	161,000	469,000
131291	RSH70	70'	8	161,400	468,600
131292	RSH70	70'	8	161,500	468,500
131293	RSH70	70'	8	161,400	468,600
131294	RSH70	70'	8	161,000	469,000
131295	RSH70	70'	8	161,200	468,800
131296	RSH70	70'	8	160,800	469,200
131297	RSH70	70'	8	160,200	469,800
131298	RSH70	70'	8	160,400	469,600
131299	RSH70	70'	8	160,900	469,100
131300	RSH70	70'	8	160,700	469,300
131301	RSH70	70'	8	160,300	469,700
131302	RSH70	70'	8	160,700	469,300
131303	RSH70	70'	8	160,500	469,500
131304	RSH70	70'	8	160,200	469,800
131305	RSH70	70'	8	159,900	470,100
131306	RSH70	70'	8	160,500	469,500
131307	RSH70	70'	8	160,500	469,500
131308	RSH70	70'	8	160,000	470,000
131309	RSH70	70'	8	160,400	469,600
131310	RSH70	70'	8	161,600	468,400
131311	RSH70	70'	8	161,300	468,700
131312	RSH70	70'	8	161,600	468,400
131313	RSH70	70'	8	161,500	468,500
131314	RSH70	70'	8	161,800	468,200

APPENDIX A: LIGHT WEIGHTS AND LOAD LIMITS

70' Deck Length 8 Axle Railcars (Continued)					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
131315	RSH70	70'	8	161,000	469,000
131316	RSH70	70'	8	160,900	469,100
131317	RSH70	70'	8	160,700	469,300
131318	RSH70	70'	8	160,800	469,200
131319	RSH70	70'	8	161,700	468,300
131320	RSH70	70'	8	161,200	468,800
131321	RSH70	70'	8	161,200	468,800
131322	RSH70	70'	8	161,500	468,500
131323	RSH70	70'	8	161,800	468,200
131324	RSH70	70'	8	161,800	468,200
131325	RSH70	70'	8	161,400	468,600
131326	RSH70	70'	8	160,900	469,100
131327	RSH70	70'	8	161,800	468,200
131328	RSH70	70'	8	161,600	468,400
131329	RSH70	70'	8	161,400	468,600
131330	RSH70	70'	8	161,100	468,900
131331	RSH70	70'	8	161,200	468,800
131332	RSH70	70'	8	160,900	469,100
131333	RSH70	70'	8	160,900	469,100
131334	RSH70	70'	8	161,800	468,200
131335	RSH70	70'	8	161,400	468,600
131336	RSH70	70'	8	161,000	469,000
131337	RSH70	70'	8	161,300	468,700
131338	RSH70	70'	8	161,400	468,600
131339	RSH70	70'	8	161,400	468,600
131340	RSH70	70'	8	160,800	469,200
131341	RSH70	70'	8	161,100	468,900
131342	RSH70	70'	8	160,800	469,200
131343	RSH70	70'	8	161,200	468,800
131344	RSH70	70'	8	161,500	468,500
131345	RSH70	70'	8	161,000	469,000
131346	RSH70	70'	8	161,000	469,000
131347	RSH70	70'	8	161,100	468,900
131348	RSH70	70'	8	161,100	468,900
131349	RSH70	70'	8	160,900	469,100
131350	RSH70	70'	8	160,600	469,400
131351	RSH70	70'	8	160,800	469,200
131352	RSH70	70'	8	160,800	469,200
131353	RSH70	70'	8	161,100	468,900
131354	RSH70	70'	8	160,400	469,600

70' Deck Length 8 Axle Railcars (Continued)					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
131355	RSH70	70'	8	160,100	469,900
131356	RSH70	70'	8	160,900	469,100
131357	RSH70	70'	8	160,900	469,100
131358	RSH70	70'	8	160,000	470,000
131359	RSH70	70'	8	160,600	469,400
131360	RSH70	70'	8	160,500	469,500
131361	RSH70	70'	8	160,100	469,900
131362	RSH70	70'	8	160,200	469,800
131363	RSH70	70'	8	160,400	469,600
131364	RSH70	70'	8	160,400	469,600
131365	JSH70	70'	8	174,300	455,700
131366	JSH70	70'	8	172,700	457,300
131367	JSH70	70'	8	175,400	454,600
131368	JSH70	70'	8	172,700	457,300
131369	JSH70	70'	8	173,800	456,200
131370	JSH70	70'	8	175,400	454,600
131371	JSH70	70'	8	172,500	457,500
131372	JSH70	70'	8	173,900	456,100
131373	JSH70	70'	8	173,100	456,900
131374	JSH70	70'	8	173,900	456,100
131375	JSH70	70'	8	173,100	456,900
131376	JSH70	70'	8	174,100	455,900
131377	JSH70	70'	8	174,500	455,500
131378	JSH70	70'	8	174,400	455,600
131379	JSH70	70'	8	174,600	455,400
131380	JSH70	70'	8	174,100	455,900
131381	JSH70	70'	8	173,200	456,800
131382	JSH70	70'	8	174,900	455,100
131383	JSH70	70'	8	175,700	454,300
131384	JSH70	70'	8	175,200	454,800
131385	JSH70	70'	8	175,200	454,800
131386	JSH70	70'	8	180,100	449,900
131387	JSH70	70'	8	173,800	456,200
131388	JSH70	70'	8	175,200	454,800
131389	JSH70	70'	8	174,500	455,500
131390	JSH70	70'	8	174,000	456,000
131391	JSH70	70'	8	174,400	455,600
131392	JSH70	70'	8	174,200	455,800
131393	JSH70	70'	8	175,000	455,000
131394	JSH70	70'	8	175,000	455,000

APPENDIX A: LIGHT WEIGHTS AND LOAD LIMITS

70' Deck Length 8 Axle Railcars (Continued)					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
131395	JSH70	70'	8	173,100	456,900
131396	JSH70	70'	8	175,400	454,600
131397	JSH70	70'	8	174,500	455,500
131398	JSH70	70'	8	176,300	453,700
131399	JSH70	70'	8	173,000	457,000
131400	JSH70	70'	8	174,000	456,000
131401	JSH70	70'	8	174,500	455,500
131402	JSH70	70'	8	174,400	455,600
131403	JSH70	70'	8	176,300	453,700
131404	JSH70	70'	8	174,200	455,800
131405	JSH70	70'	8	175,500	454,500
131406	JSH70	70'	8	174,500	455,500
131407	JSH70	70'	8	175,400	454,600
131408	JSH70	70'	8	173,900	456,100
131409	JSH70	70'	8	173,900	456,100
131410	JSH70	70'	8	174,600	455,400
131411	JSH70	70'	8	173,000	457,000
131412	JSH70	70'	8	172,800	457,200
131413	JSH70	70'	8	172,600	457,400
131414	JSH70	70'	8	173,400	456,600
131415	JSH70	70'	8	174,100	455,900
131416	JSH70	70'	8	173,400	456,600
131417	JSH70	70'	8	172,700	457,300
131418	JSH70	70'	8	172,600	457,400
131419	JSH70	70'	8	172,400	457,600
131420	JSH70	70'	8	173,000	457,000
131421	JSH70	70'	8	173,000	457,000
131422	JSH70	70'	8	172,500	457,500
131423	JSH70	70'	8	172,100	457,900
131424	JSH70	70'	8	173,200	456,800
131425	JSH70	70'	8	172,400	457,600
131426	JSH70	70'	8	172,000	458,000
131427	JSH70	70'	8	172,000	458,000
131428	JSH70	70'	8	171,800	458,200
131429	JSH70	70'	8	173,100	456,900
131430	RSH70	70'	8	159,700	470,300
131431	RSH70	70'	8	159,800	470,200
131432	RSH70	70'	8	160,600	469,400
131433	RSH70	70'	8	159,600	470,400
131434	RSH70	70'	8	160,300	469,700

70' Deck Length 8 Axle Railcars (Continued)					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
131435	RSH70	70'	8	160,400	469,600
131436	RSH70	70'	8	160,100	469,900
131437	RSH70	70'	8	160,000	470,000
131438	RSH70	70'	8	160,400	469,600
131439	RSH70	70'	8	160,100	469,900
131440	RSH70	70'	8	159,800	470,200
131441	RSH70	70'	8	160,500	469,500
131442	RSH70	70'	8	160,000	470,000
131443	RSH70	70'	8	160,900	469,100
131444	RSH70	70'	8	160,800	469,200
131445	RSH70	70'	8	160,400	469,600
131446	RSH70	70'	8	159,800	470,200
131447	RSH70	70'	8	160,400	469,600
131448	RSH70	70'	8	160,300	469,700
131449	RSH70	70'	8	160,400	469,600
131450	RSH70	70'	8	160,400	469,600
131451	RSH70	70'	8	160,100	469,900
131452	RSH70	70'	8	160,100	469,900
131453	RSH70	70'	8	160,100	469,900
131454	RSH70	70'	8	160,300	469,700
131455	RSH70	70'	8	160,500	469,500
131456	RSH70	70'	8	160,400	469,600
131457	RSH70	70'	8	160,000	470,000
131458	RSH70	70'	8	159,900	470,100
131459	RSH70	70'	8	159,800	470,200

APPENDIX A: LIGHT WEIGHTS AND LOAD LIMITS

53' Deck Length 12 Axle Railcars					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
131600	HSH53	53'	12	221,000	724,000
131601	HSH53	53'	12	220,100	724,900
131602	HSH53	53'	12	222,000	723,000
131603	HSH53	53'	12	221,000	724,000
131604	HSH53	53'	12	221,000	724,000
131605	HSH53	53'	12	222,000	723,000
131606	HSH53	53'	12	222,000	723,000
131607	HSH53	53'	12	222,000	723,000
131608	HSH53	53'	12	222,000	723,000
131609	HSH53	53'	12	222,000	723,000
131610	HSH53	53'	12	222,000	723,000
131611	HSH53	53'	12	221,000	724,000
131612	HSH53	53'	12	221,000	724,000
131613	HSH53	53'	12	222,000	723,000
131614	HSH53	53'	12	224,000	721,000
131615	HSH53	53'	12	223,000	722,000
131616	HSH53	53'	12	222,000	723,000
131617	HSH53	53'	12	222,000	723,000
131618	HSH53	53'	12	222,000	723,000
131619	HSH53	53'	12	228,300	716,700
131620	HSH53	53'	12	224,000	721,000
131621	HSH53	53'	12	221,000	724,000
131622	HSH53	53'	12	225,000	720,000
131623	HSH53	53'	12	221,000	724,000
131624	HSH53	53'	12	222,000	723,000
131625	NSH53	53'	12	208,900	736,100
131626	NSH53	53'	12	207,900	737,100
131627	NSH53	53'	12	201,100	743,900
131628	NSH53	53'	12	200,500	744,500
131629	NSH53	53'	12	202,100	742,900
131630	NSH53	53'	12	202,600	742,400
131631	NSH53	53'	12	201,700	743,300
131632	NSH53	53'	12	203,000	742,000
131633	NSH53	53'	12	202,000	743,000
131634	NSH53	53'	12	202,800	742,200
131635	NSH53	53'	12	202,600	742,400
131636	NSH53	53'	12	202,700	742,300

89' Deck Length 4 Axle Railcars					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
132000	HSH89	89'	4	84,000	231,000
132001	HSH89	89'	4	84,000	231,000
132002	HSH89	89'	4	84,000	231,000
132003	HSH89	89'	4	84,000	231,000
132004	HSH89	89'	4	84,000	231,000
132005	HSH89	89'	4	84,000	231,000
132006	HSH89	89'	4	84,000	231,000
132007	HSH89	89'	4	84,000	231,000
132008	HSH89	89'	4	84,000	231,000
132009	HSH89	89'	4	84,000	231,000
132010	HSH89	89'	4	86,000	229,000
132011	HSH89	89'	4	84,000	231,000
132012	HSH89	89'	4	84,000	231,000
132013	HSH89	89'	4	84,000	231,000
132014	HSH89	89'	4	84,000	231,000
132015	HSH89	89'	4	84,000	231,000
132016	HSH89	89'	4	84,000	231,000
132017	HSH89	89'	4	84,000	231,000
132018	HSH89	89'	4	84,000	231,000
132019	HSH89	89'	4	85,000	230,000
132020	HSH89	89'	4	84,000	231,000
132021	HSH89	89'	4	84,000	231,000
132022	HSH89	89'	4	84,000	231,000
132023	HSH89	89'	4	84,000	231,000
132024	HSH89	89'	4	84,000	231,000
132025	HSH89	89'	4	84,000	231,000
132026	HSH89	89'	4	84,000	231,000
132027	HSH89	89'	4	84,000	231,000
132028	HSH89	89'	4	84,000	231,000
132029	HSH89	89'	4	84,000	231,000
132030	HSH89	89'	4	84,000	231,000
132031	HSH89	89'	4	84,000	231,000
132032	HSH89	89'	4	84,000	231,000
132033	HSH89	89'	4	84,000	231,000
132034	HSH89	89'	4	84,000	231,000
132035	HSH89	89'	4	84,000	231,000
132036	HSH89	89'	4	84,000	231,000
132037	HSH89	89'	4	84,000	231,000
132038	HSH89	89'	4	84,000	231,000
132039	HSH89	89'	4	84,000	231,000

APPENDIX A: LIGHT WEIGHTS AND LOAD LIMITS

89' Deck Length 4 Axle Railcars (Continued)					
Number	Class	Deck Length	Axle Count	Light Weight	Load Limit
132040	HSH89	89'	4	84,000	231,000
132041	HSH89	89'	4	85,000	230,000
132042	HSH89	89'	4	85,000	230,000
132043	HSH89	89'	4	85,000	230,000
132044	HSH89	89'	4	85,000	230,000
132045	HSH89	89'	4	85,000	230,000
132046	HSH89	89'	4	86,000	229,000
132047	HSH89	89'	4	85,000	230,000
132048	HSH89	89'	4	84,000	231,000
132049	HSH89	89'	4	84,000	231,000



For questions - or if you need more copies of this guide - please contact:

HeavyDuty@ttx.com