



PETERSON

Vehicle Lighting & Harness Systems



INTERMODAL CHASSIS SOLUTIONS

LED Lighting & Harness Systems for Chassis Applications



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Peterson Manufacturing is excited to share a full line of LED lighting and harness systems made for the harsh container chassis environment. We have many features that fight corrosion and reduce pilferage to reduce your costs, minimize your down time, and keep your trailers on the road.

Below you will see the various options we have off the shelf. If you want drawings, samples, or custom harnesses, we can meet those needs as well, just contact us.

LIGHTING & REFLECTOR OVERVIEW.....1

Standard 40' & 53' Lighting & Harness Options

Stop/Turn/Tail Lights	Clearance/Marker Lights	Page
4" LED w/amp-style	¾" LED w/ .180 Bullets, Anti-Theft.....	2
4" LED w/amp-style	¾" LED w/ .180 Bullets	4
4" LED w/amp-style	2" LED w/amp-style	6
4" LED w/PL3	2" LED w/PL10	8

**Custom harness designs available upon request*



PART NO.	IMAGE	TERMINATION	DRAWING
3/4" LED Clearance/Marker PC-Rated Anti-theft Amber M176A-BT2 Red M176R-BT2			
3/4" LED Clearance/Marker PC-Rated Amber M181A-BT2 Red M181R-BT2			
2" LED Clearance/Marker with Reflex PL10 Plug Amber M190FA Red M190FR			
2" LED Clearance/Marker with Reflex AMP Plug Amber M190FA-AMP Red M190FR-AMP			
2" LED Clearance/Marker PC-Rated PL10 Plug Amber M199FA			
2" LED Clearance/Marker PC-Rated AMP Plug Amber M199FA-AMP			

PART NO.	IMAGE	TERMINATION	DRAWING
LED License Light M290C-BT2			
3/4" LED License Light M291C-BT2			
4" Round LED Stop/Turn/Tail Light AMP Plug M814R			
4" Round LED Stop/Turn/Tail Light PL3 Plug M824R			
3/4" Grommet B177-18		Retaining Clip for 190FA/FR with PL10 only B162-093	
Reflector Amber B489A / Red B489R		ABS Decal 2954	
		J560 Receptacle HW76	

40' – 53'

3/4" LED marker lights w/ .180 bullets – ANTI-THEFT

4" LED S/T/T lights w/ AMP plugs

① Main Chassis Harness (1)

40' Chassis: MS10-6208-00

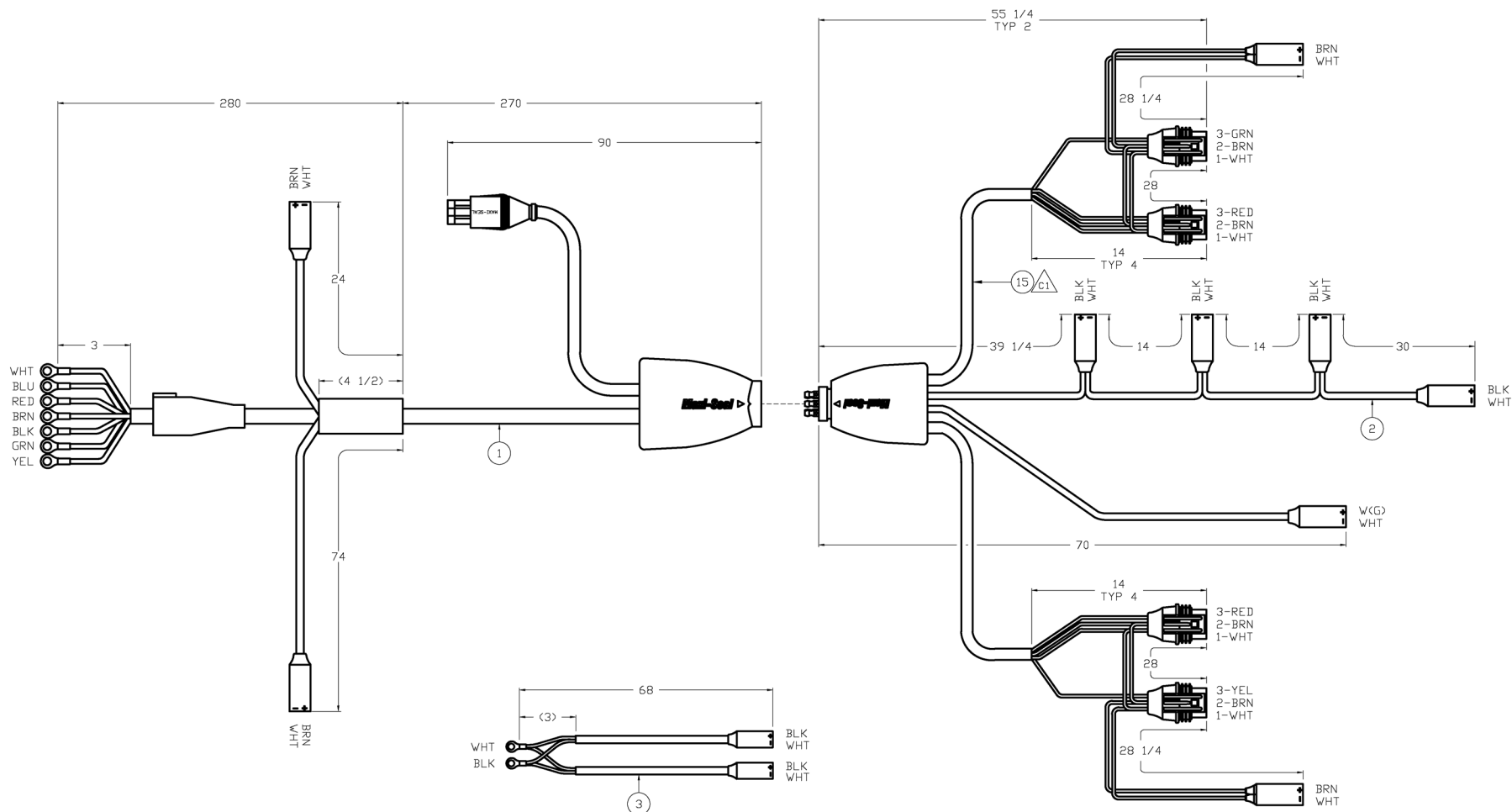
53' Chassis: MS10-6208-01

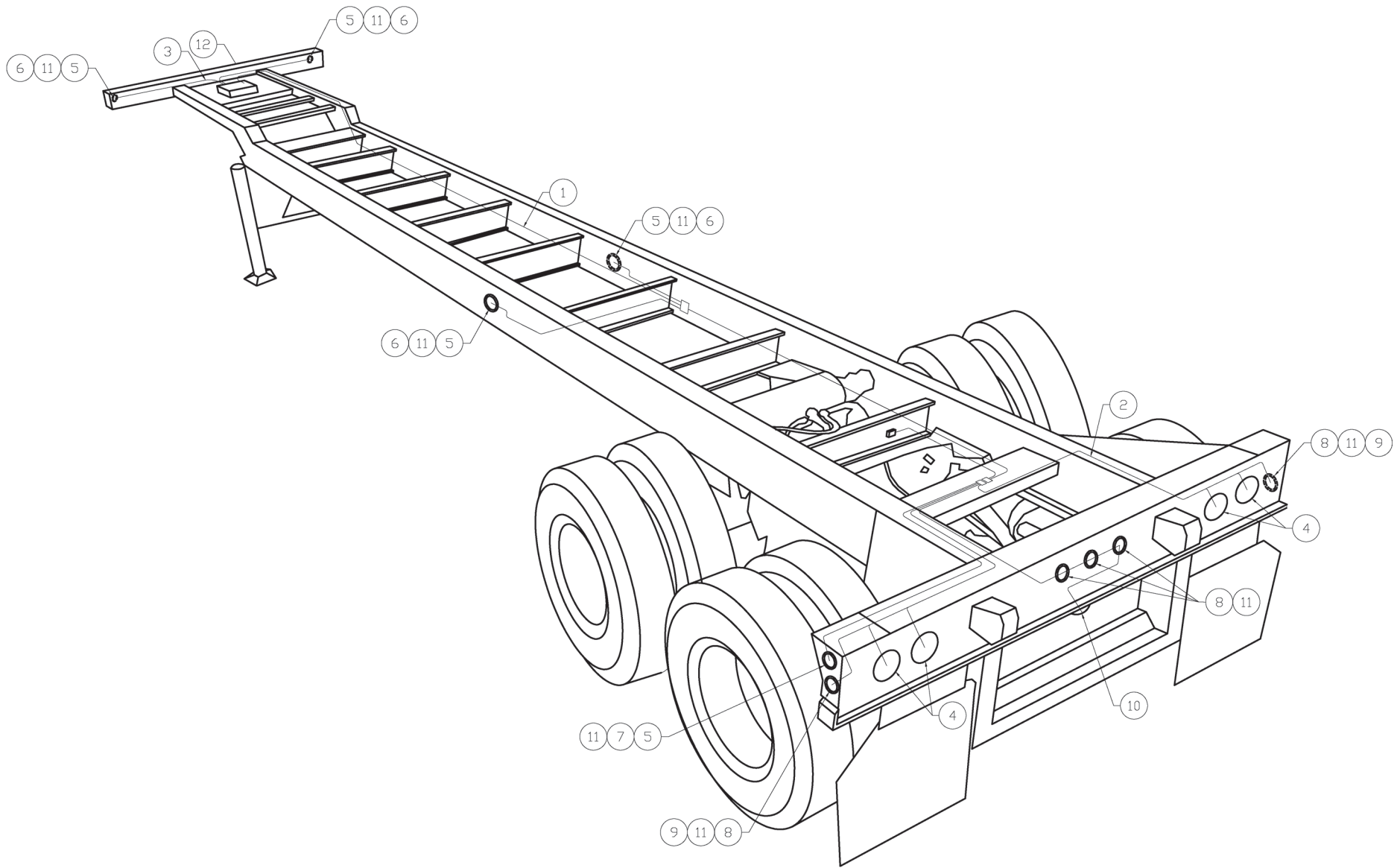
② Rear Chassis Harness (1)

MS21-6138-00

③ Front Marker Harness (2)

MS30-4118-00





④ M814R
4" S/T/T (4)



⑤ M176A-BT2
3/4" Marker/ABS (5)



⑥ B489A
Reflector (4)



⑦ 2954
ABS Label (1)



⑧ M176R-BT2
3/4" Clearance/ID (5)



⑨ B489R
Reflector (2)



⑩ M291C-BT2
License Light (1)
includes grommet



⑪ B177-18
Grommet (10)



⑫ HW76
J560 Receptacle (1)

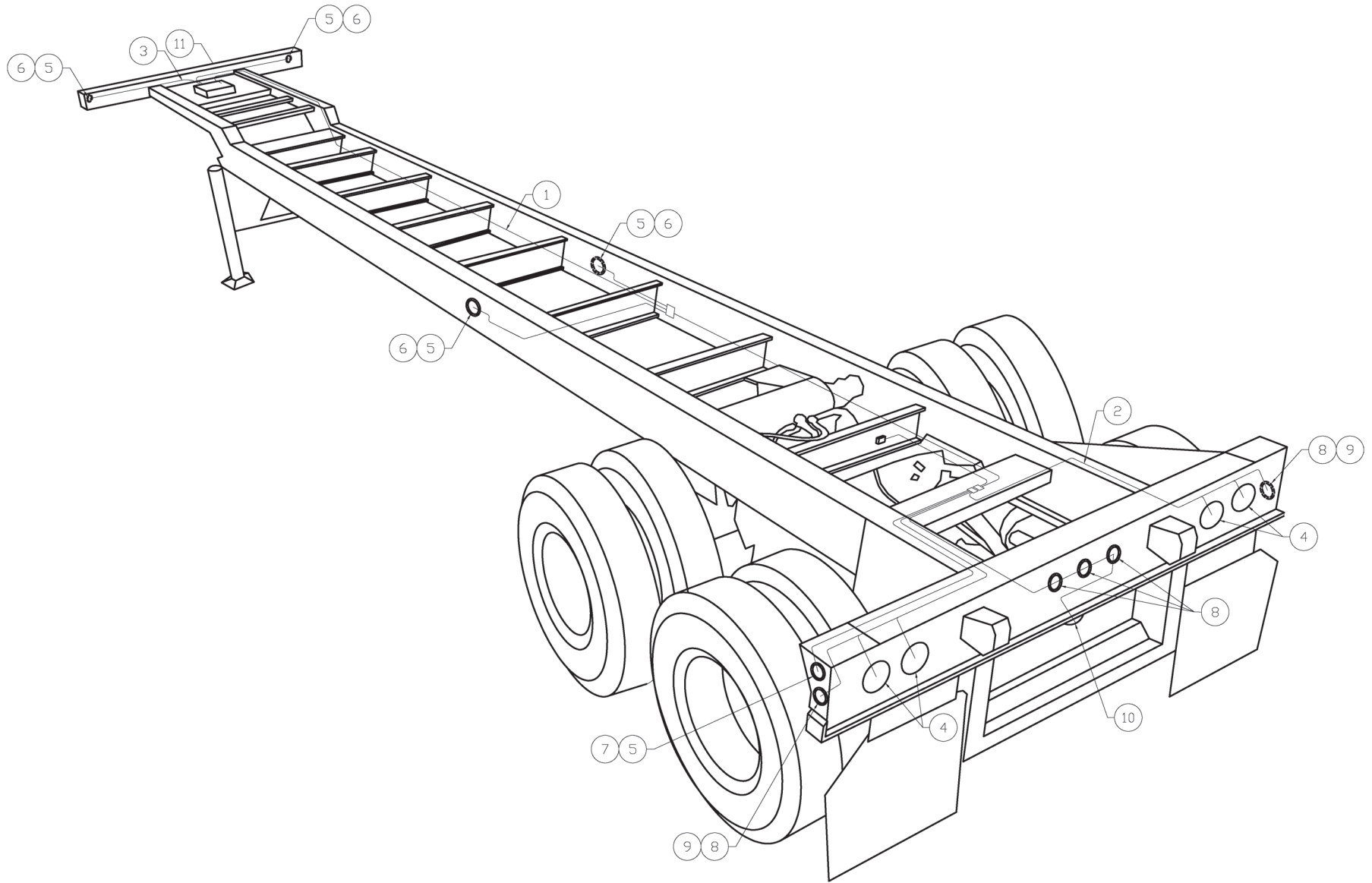


53' Chassis: MS10-6208-01

MS21-6138-00

MS30-4118-00





④ M814R
4" S/T/T (4)



⑤ M181A-BT2
¾" Marker/ABS (5)
includes grommet



⑥ B489A
Reflector (4)



⑦ 2954
ABS Label (1)



⑧ M181R-BT2
¾" Clearance/ID (5)



⑨ B489R
Reflector (2)



⑩ M291C-BT2
License Light (1)
includes grommet

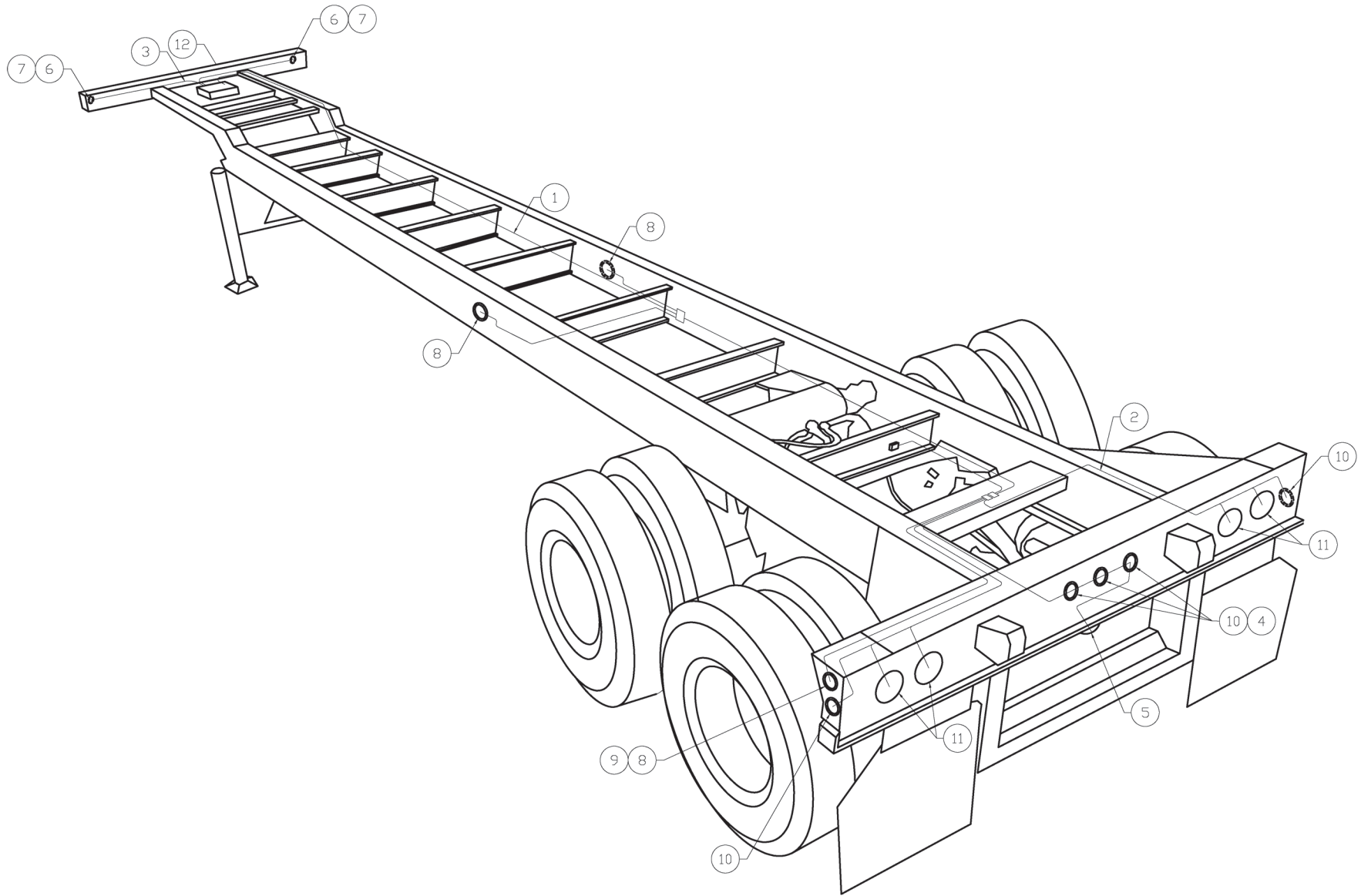


⑪ HW76
J560 Receptacle (1)



The diagram illustrates the wiring connections for the MMS-001 module. It shows the following details:

- Dimensions:** Various cable lengths are specified, such as 280, 270, 90, 60 TYP., 24, 3, <4 1/2>, 74, 68, 18, 12, <6 1/2>, 52, 14, 22, 84, and 6.
- Connectors:** The diagram features a 6-pin D-sub connector, a 9-pin D-sub connector, and several RJ45 connectors labeled 1 through 4.
- Cable Colors and Configurations:**
 - WHT, BLU, RED, BRN, BLK, GRN, YEL
 - 2 - BRN, 1 - WHT
 - 2 - BLK, 1 - WHT
 - 2 - BLK, 1 - WHT
 - 2 - BLK, 1 - WHT
 - 2 - W(G), 1 - WHT
 - 2 - BRN, 1 - WHT
 - 3 - GRN(T188), 2 - BRN-DBL(T218), 1 - WHT-DBL(T218)
 - 3 - RED(T188), 2 - BRN-DBL(T218), 1 - WHT-DBL(T218)
 - 3 - YEL(T188), 2 - BRN-DBL(T218), 1 - WHT-DBL(T218)



⑤ M290C-BT2
License Light (1)



⑥ M199FA-AMP
2" Clearance (2)



⑦ B489A
Reflector (2)



⑧ M190FA-AMP
2" Marker/ABS (3)



⑨ 2954
ABS Label (1)



⑩ M190FR-AMP
2" Clearance/ID (5)



⑪ M814R
4" S/T/T



⑫ HW76
J560 Receptacle (1)



40' – 53' **2" LED marker lights w/ PL10 plugs** **4" LED S/T/T lights w/ PL3 plugs**

① Main Chassis Harness (1)

40' Chassis: MS10-6215-00

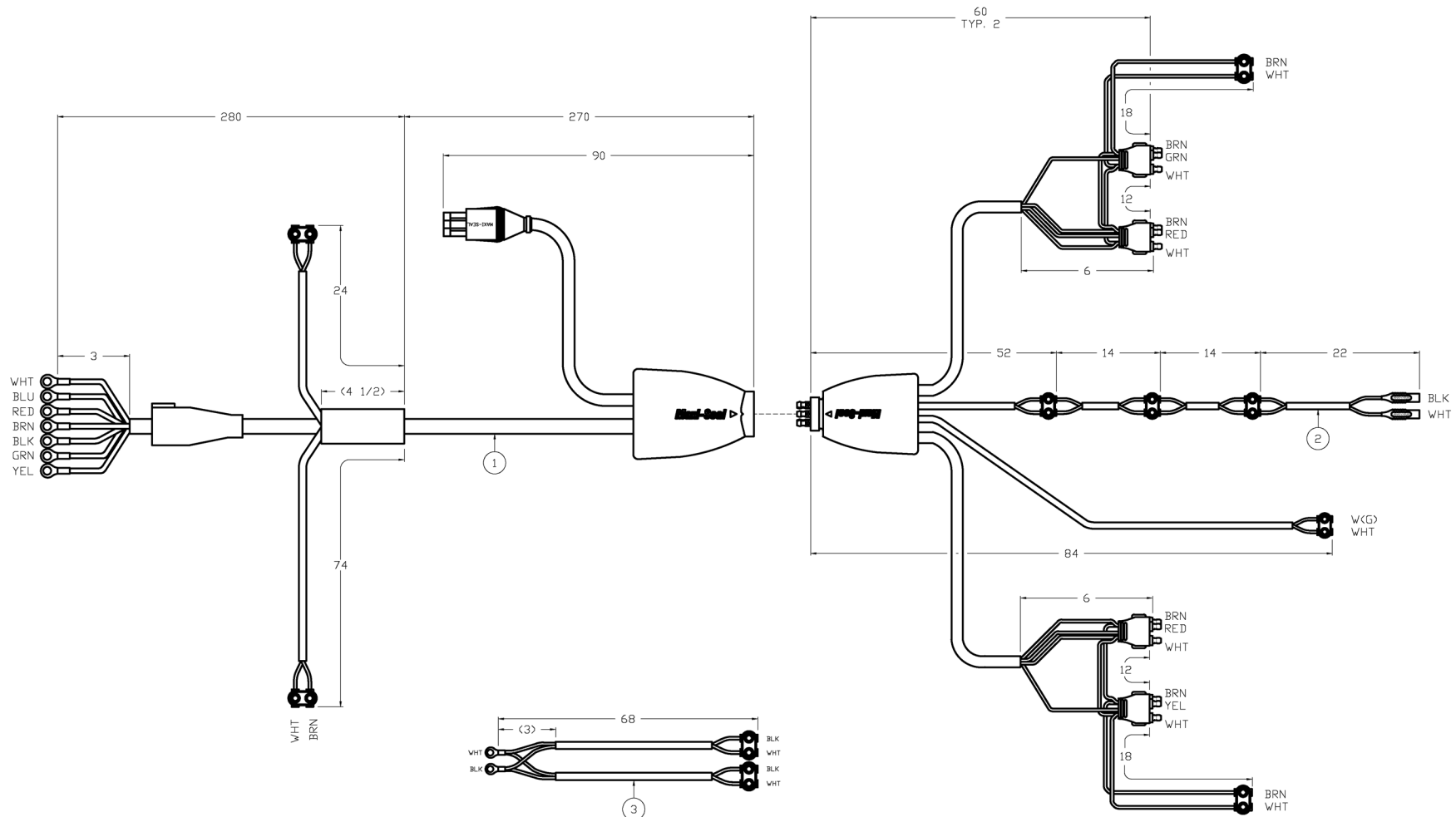
53' Chassis: MS10-6215-01

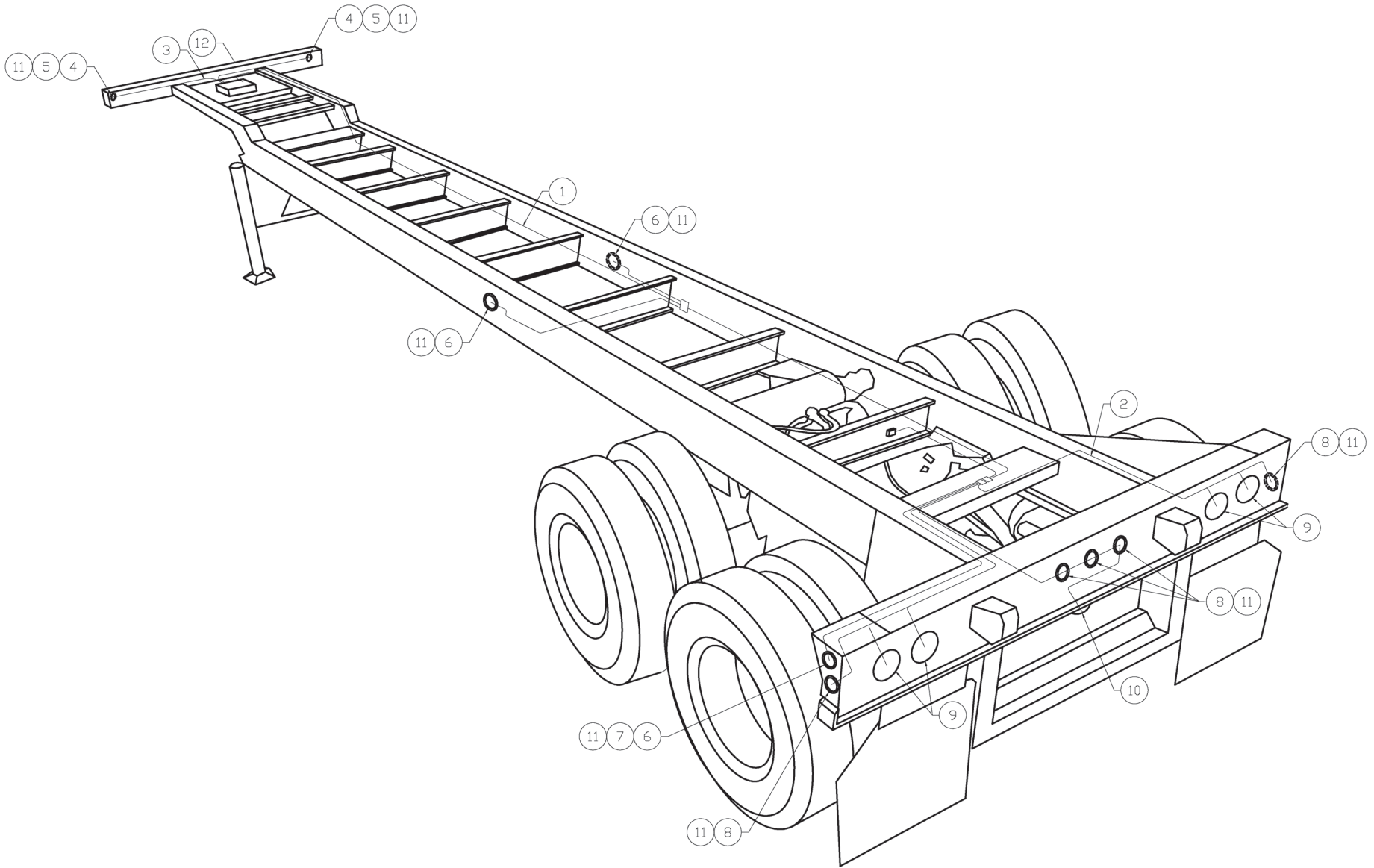
② Rear Chassis Harness (1)

MS21-6144-00

③ Front Marker Harness (2)

MS30-4120-00





④ M199FA
2" Clearance (2)



⑤ B489A
Reflector (2)



⑥ M190FA
2" Marker/ABS (3)



⑦ 2954
ABS Label (1)



⑧ M190FR
2" Clearance/ID (5)



⑨ M824R
4" S/T/T (4)



⑩ M290C-BT2
License Light (1)



⑪ B162-093
Retention Clip (10)



⑫ HW76
J560 Receptacle (1)





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