

LEFT SIDE
FIXTURE LOCATION


NO	FIXTURE	POS
1	BARRIER	-0.5
2	BLACK	10.7
3	BLACK	84.1
4	BLACK	155.7
5	BLACK	227.8
6	BLACK	300.0
7	BLACK	372.1
8	BLACK	444.2
9	BLACK	516.4
10	BLACK	588.5
11	BLACK	660.7
12	BLACK	732.8
13	BLACK	804.9
14	BLUE	878.1

RIGHT SIDE
FIXTURE LOCATION

NO	FIXTURE	POS
1	BARRIER	-0.4
2	BLACK	8.5
3	BLACK	81.2
4	BLACK	153.8
5	BLACK	226.4
6	BLACK	299.1
7	BLACK	371.7
8	BLACK	444.4
9	BLACK	517.0
10	BLACK	589.7
11	BLACK	662.3
12	BLACK	734.9
13	BLACK	807.6
14	BLUE	881.3

NOTES: ALL DIMENSIONS ARE IN CENTIMETERS (CM)
UNLESS OTHERWISE INDICATED.

ALL FIXTURE DIMENSIONS ARE REFERENCED FROM
THE STANDARD BARRIER MOUNTING HOLE.

 INDICATEDS BARRIER MOUNTING POSITION.
0 DIMENSION INDICATES BARRIER
MOUNTED IN STANDARD HOLE.

FRONT OF BUS



Model: MVP-EF
Quote Number: 333052
Locality: WI

ALL DIMENSIONS ARE
FOR REFERENCE ONLY

GENERAL NOTES

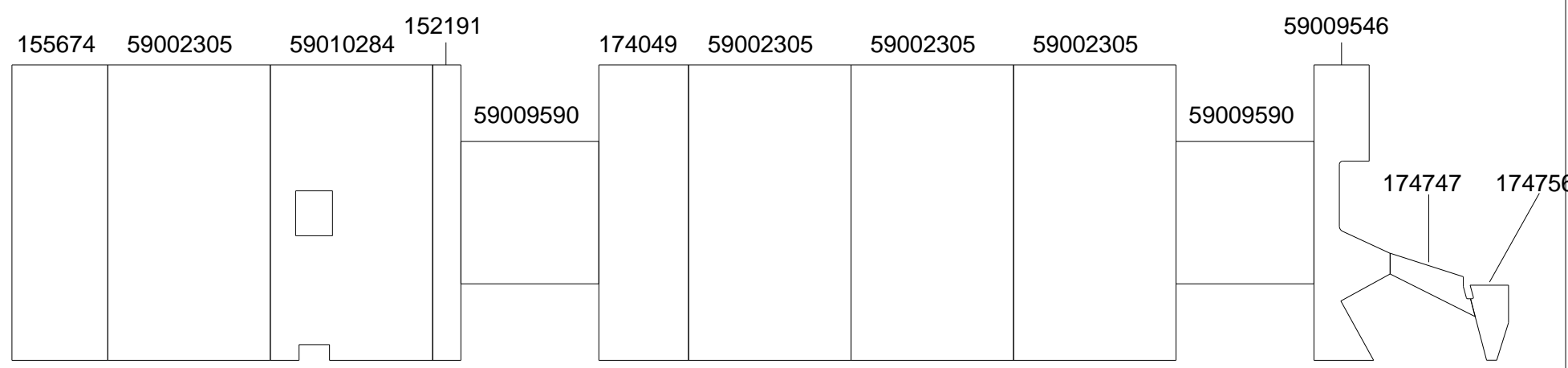
- SOME ITEMS, SUCH AS CV MIRRORS, ROOF LUGGAGE RACKS, AND OTHER ITEMS, ARE SHOWN IN ONE VIEW ONLY FOR CLARITY.
- THIS DRAWING IS A REPRESENTATION ONLY AND MAY NOT HAVE ALL ITEMS REQUIRED. PLEASE REFER TO ORDER.
- THE CLEARANCE BETWEEN THE BOTTOM OF BUS OR BOTTOM OF UNDERBODY COMPARTMENTS AND GROUND WILL VARY ACCORDING TO TIRE SIZE, BUS LOAD, AND SUSPENSION TYPE.
- THE MAXIMUM WIDTH AT BELT LINE OVER GUARD RAILS IS 96".

THOMAS BUILT BUSES, INC
HIGH POINT, NC WOODSTOCK, CANADA

TITLE SEAT RAIL FIXTURE DRILLING
BODY 1318S

CAD DRAWING
DO NOT
MAKE MANUAL
CHANGES

DRN:10-12-17 BY:J. Dominick SIZE DWG. NO.
SCALE 3/8"=12" S 701627



RAW PART	CUSTOM PART	QTY
174747		
59009546		
59009590		
59002305		
59002305		
59002305		
174049		
59009590		
152191		
59010284		
59002305		
155674		

FRONT OF BUS

Model: MVP-EF
 Quote Number: 333052
 Locality: WI

ALL DIMENSIONS ARE FOR REFERENCE ONLY

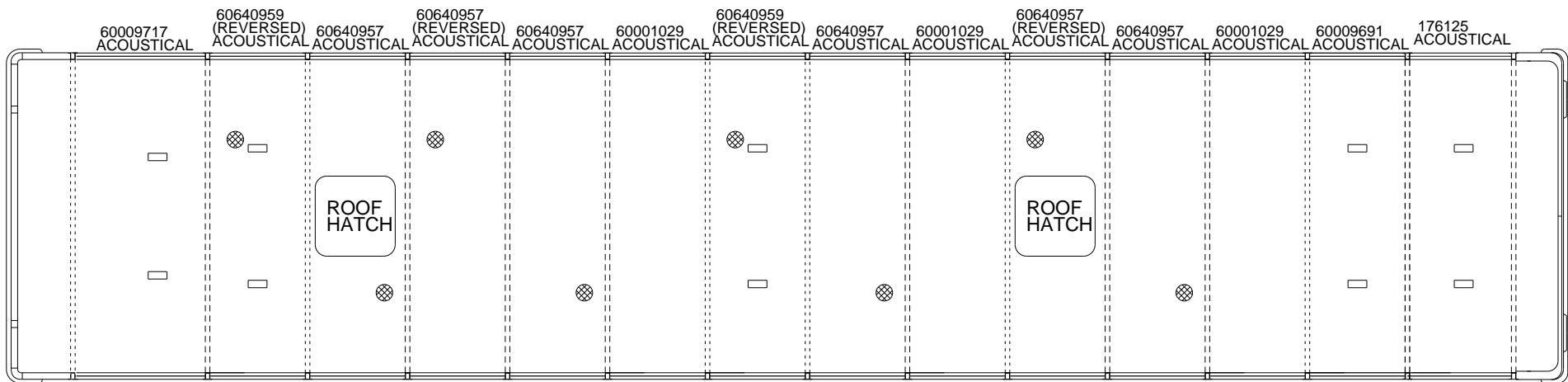
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 - THE CLEARANCE BETWEEN BOTTOM OF BUS OR BOTTOM OF UNDERBODY COMPARTMENTS AND GROUND WILL VARY ACCORDING TO TIRE SIZE, BUS LOAD, AND SUSPENSION TYPE.
 - THE MAXIMUM WIDTH AT BELT LINE OVER GUARD RAILS IS 96".
 - THE NOMINAL BUS HEIGHT IS BASED ON A STANDARD BODY AND LARGEST TIRE SIZE.
 - THE MAXIMUM BUS HEIGHT IS BASED ON BODY WITH OPTIONS SUCH AS A/C UNITS, STROBE LIGHT, LARGEST SUSPENSION ETC.
 - OVER BUMPER DIMENSION DOES NOT TAKE INTO ACCOUNT OPTIONS THAT MAY ADD TO THE TOTAL LENGTH OF THE BUS, SUCH AS MIRRORS, LIGHTS AND CROSSING ARMS.

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THOMAS BUILT BUSES, INC
 HIGH POINT, NC

TITLE **PLYWOOD FLOOR BODY 1318S**

DRN: 10-12-17 BY: J. Dominick SIZE DWG. NO.
 SCALE 3/8"=12" **S** 701627



BILL OF MATERIAL SUMMARY

PART NUMBER	QTY
176125	1
60009691	1
60001029	3
60640957	6
60640959	2
60009717	1

- ANTENNA CUT OUT
- ⊗ SPEAKER
- DOME LIGHT
- VENT

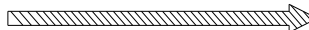
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3. THE CLEARANCE BETWEEN BOTTOM OF BUS OR BOTTOM OF UNDERBODY COMPARTMENTS AND GROUND WILL VARY ACCORDING TO TIRE SIZE, BUS LOAD, AND SUSPENSION TYPE.
4. THE MAXIMUM WIDTH AT BELT LINE OVER GUARD RAILS IS 96".

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FRONT OF BUS



Model: MVP-EF
Quote Number: 333052
Locality: WI

THOMAS BUILT BUSES, INC
HIGH POINT, NC WOODSTOCK, CANADA

TITLE **HEADLINING ASSEMBLY BODY 1318S**

DRN: 10-12-17 BY: J. Dominick SIZE: S DWG. NO. **701627**

***** WEIGHT O.K. *****

SEATINGPLAN: 701627
 ORDER NO: 333052
 YARD NO:
 BODY MODEL: 1318S
 CHASSIS MAKE: THOS
 WHEELBASE: 212.0
 DATE: 10-12-17
 TIME: 08:41:43

Weight Summary	Front	%Front	Rear	%Rear	Total
Total Weight	11000.93	38%	18171.07	62%	29172.00
Allowables	13200.00		20000.00		33000.00
Unladen	9254.63	47%	10527.37	53%	19782.00
Base Body	2504.32		4390.68		6895.00
Body Options	1131.08		2185.92		3317.00
Base Chassis	4819.00		3086.00		7905.00
Chassis Options	1052.24		1388.76		1665.00
Passenger	1746.29		7643.71		9390.00
State Special	0.00		0.00		0.00

NOTES:

 * THE WEIGHT AND AXLE RATINGS IN THIS REPORT APPLY ONLY TO *
 * ORDER NO. 333052 AND REFERENCE SEATING PLAN 701627 *
 * ANY OPTIONS EXCEEDING 20 LBS. OR SEATING PLAN CHANGES NOT ON *
 * THIS REPORT OR MADE AFTER THE SUBMISSION DATE AND TIME WILL *
 * NULLIFY RESPONSIBILITY OF THOMAS BUILT BUSES ENGINEERING *
 * DEPARTMENT OF THE SAFE OPERATION OF THE VEHICLE *

* THIS SHEET MUST ACCOMPANY ORIGINAL ORDER.
 SIGNATURE OF ENGINEERING APPROVAL:

Diann Overcash

***** BODY OPTIONS *****		Front	Rear	Total
Option	Description			
B158000131	PLYWOOD FLOOR - 5/8" THICKNESS	93.01	322.99	416.00
B170008000	STORM GLASS (TEMP)-DRIVER'S WINDOW, BLACK FIN	8.20	-1.20	7.00
B170008000	STORM GLASS (TEMP)-DRIVER'S WINDOW, BLACK FIN	8.94	-1.94	7.00
B173100000	STORM GLASS (TEMPERED)-RIGHT SIDE	17.66	-1.66	16.00
B202001000	FIRE EXTINGUISHER - 5 LB.	4.93	0.07	5.00
B2050WI000	KIT - FIRST AID, 16 UNIT, COMPLIES W/WISCONSI	4.00	0.00	4.00
B209007000	REFLECTORIZED TRIANGLES (3)-REAR OF ENTRANCE	10.84	0.16	11.00
B210516000	DRIVER'S STORAGE BOX LOCATED OVER DRIVER'S WI	30.79	-6.79	24.00
B216019000	TWO(2)DEFROSTER FANS MOUNTED OVER CENTER WIND	3.76	-0.76	3.00
B230006000	AIR HORN - UNDERFLOOR	4.00	0.00	4.00
B231015000	BACKING ALARM - HEAVY DUTY - 112DB	2.00	0.00	2.00
B260305008	PREMIUM SPEAKERS - EIGHT (8)	9.00	0.00	9.00
B260405001	RADIO - AM/FM DEAS10 DELPHI, TRANSIT W/PAGE	6.06	-1.06	5.00
B294271E21	SIGN-STOP, ELECTRIC FRONT #T7000-100-E21 LED	7.70	0.30	8.00
B294900000	HIGH WIND GUARD-FRONT ELECTRIC STOP ARM	7.84	-0.84	7.00
B319007131	LED LIGHT MONITOR - 16 LIGHT SYSTEM	5.00	0.00	5.00
B320203131	LED DOME LIGHTS - EFX	2.61	11.39	14.00
B323012000	LIGHT-LED DOME MOUNTED OVER DRIVER & STEPWELL	2.38	-0.38	2.00
B333112000	7" LED FRONT DIRECTIONAL/PARKING LIGHTS - EFX	3.00	0.00	3.00
B343014000	LED DIRECTIONAL LIGHTS-SIDE, 2 AMBER/2 RED	2.00	0.00	2.00
B358208000	HALOGEN 8-LIGHT WARNING SYSTEM	1.95	4.05	6.00
B371017000	STROBE-SPEC 4.5"H 2ND SEC RR	-1.31	6.31	5.00
B403003000	HEATER - LEFT SIDE, 15,000 BTU	8.51	0.49	9.00

* * * WEIGHT DISTRIBUTION REPORT * * *

B411202000	GROCO CENTRIFUGAL BOOSTER PUMP	14.00	0.00	14.00
B412006050	84,000 BTU HEATER - 6TH SECTION LEFT SIDE	11.23	11.77	23.00
B412011050	84,000 BTU HEATER - 11TH SECTION LEFT SIDE	-4.18	27.18	23.00
B416524000	WEBASTO TSL17 COOLANT HTR 7DAY	29.00	0.00	29.00
B518503000	VANDALOCK - REAR EMERGENCY DOOR WITH INTERLOC	-1.44	3.44	2.00
B525240002	RF HATCH-TRANSP,LO PRO"TRIPLE VALUE" W/STAT	0.00	0.00	0.00 **
B531000131	78" HEADROOM	49.00	111.00	160.00
B541010131	REEDED SIDE SHEETS - 16 GAUGE, EXTENDED WITH	28.29	269.71	298.00
B543000131	BOTTOM RAIL	4.94	47.06	52.00
B551007000	IDENTIFICATION SIGN,REAR-"SCHOOL BUS",MSN-REF	-5.87	13.87	8.00
B551019000	IDENTIFICATION SIGN, FRT-"SCHOOL BUS",MSN-REF	11.02	-3.02	8.00
B565902000	MUD FLAPS - REAR, RUBBER, 22" WIDE WITH LOGO	-0.66	7.66	7.00
B566001000	MUD FLAPS - FRONT, RUBBER, 15"W WITH LOGO	7.00	0.00	7.00
B567000000	TOW HOOKS - TWO (2)	-14.11	34.11	20.00
B574127131	PADDED RAILS - BLACK FIRE BLOCK UPHOLSTERY	0.00	43.00	43.00
B575532000	EXTRA ASSIST RAIL, R/S - MANUAL DOOR	2.29	-0.29	2.00
B585738000	ELECTRIC OPERATING CROSSING CONTROL ARM	20.80	-5.80	15.00
B599063000	BATTERY BOX - STANDARD	36.20	12.80	49.00
B599349000	BODY ADJUSTMENT-EFX 2013 EPA	0.00	0.00	0.00 **
B620000078	BARRIER STORAGE POUCH - TWO (2)	2.00	0.00	2.00
B640130200	30" BARR-VERT,WALL MT 45"H RS 2009	28.83	-1.83	27.00
B640239000	39"8DEG BARR-REV. WALL-MT 45"H 2009	33.94	-2.94	31.00
D900104001	SEAT-DRIVER NATIONAL W/HEAT	64.23	-14.23	50.00
D900302001	ARMREST NATIONAL DRVR'S ST. BOTH SIDES	4.50	1.50	6.00
D900503007	PEDESTAL-NATIONAL AIR W/2 SHOCKS	36.00	12.00	48.00
D901600001	ELEC-PEDESTAL, HEATED SEAT NAT	84.00	0.00	84.00
D930009000	S3B RS SEAT/BARRIER COMBO RESTRAINING/NO BELT	50.76	2.24	53.00
D930039000	S3B 39"RS WALL MT RESTRAINING/NO BELT	46.90	10.10	57.00
D930039000	S3B 39"RS WALL MT RESTRAINING/NO BELT	39.21	17.79	57.00
D930039000	S3B 39"RS WALL MT RESTRAINING/NO BELT	31.52	25.48	57.00
D930039000	S3B 39"RS WALL MT RESTRAINING/NO BELT	23.83	33.17	57.00
D930039000	S3B 39"RS WALL MT RESTRAINING/NO BELT	16.14	40.86	57.00
D930039000	S3B 39"RS WALL MT RESTRAINING/NO BELT	8.45	48.55	57.00
D930039000	S3B 39"RS WALL MT RESTRAINING/NO BELT	0.76	56.24	57.00
D930039000	S3B 39"RS WALL MT RESTRAINING/NO BELT	-6.93	63.93	57.00
D930039000	S3B 39"RS WALL MT RESTRAINING/NO BELT	-14.62	71.62	57.00
D930039000	S3B 39"RS WALL MT RESTRAINING/NO BELT	-22.31	79.31	57.00
D930039000	S3B 39"RS WALL MT RESTRAINING/NO BELT	-30.00	87.00	57.00
D930139000	S3B 39"LS WALL MT RESTRAINING/NO BELT	41.07	15.93	57.00
D930139000	S3B 39"LS WALL MT RESTRAINING/NO BELT	33.43	23.57	57.00
D930139000	S3B 39"LS WALL MT RESTRAINING/NO BELT	25.79	31.21	57.00
D930139000	S3B 39"LS WALL MT RESTRAINING/NO BELT	18.16	38.84	57.00
D930139000	S3B 39"LS WALL MT RESTRAINING/NO BELT	10.52	46.48	57.00
D930139000	S3B 39"LS WALL MT RESTRAINING/NO BELT	2.89	54.11	57.00
D930139000	S3B 39"LS WALL MT RESTRAINING/NO BELT	-4.75	61.75	57.00
D930139000	S3B 39"LS WALL MT RESTRAINING/NO BELT	-12.38	69.38	57.00
D930139000	S3B 39"LS WALL MT RESTRAINING/NO BELT	-20.02	77.02	57.00
D930139000	S3B 39"LS WALL MT RESTRAINING/NO BELT	-27.66	84.66	57.00
D930838000	S3B 38"RS TAPER RESTRAINING/NO BELT	-34.48	86.48	52.00
D930939000	S3B 39"LS THIN WALL RESTRAINING/NO BELT	-35.40	92.40	57.00
D980139003	S3C 39"LS 3-PASSENGER WALL MOUNT W/ISO/ICS	95.11	0.89	96.00
D980139003	S3C 39"LS 3-PASSENGER WALL MOUNT W/ISO/ICS	82.02	13.98	96.00
STD08DEFTK	DEF TANK DOOR EF	121.60	28.40	150.00
STDRHLPR78	STD ROOF HATCH LO PRO 78" HR	-4.29	21.29	17.00
STDRHLPR78	STD ROOF HATCH LO PRO 78" HR	11.85	5.15	17.00

 Body Option Total 1131.08 2185.92 3317.00

***** CHASSIS OPTIONS *****

Option	Description	Front	Rear	Total
C115807000	AIR DRYER-BENDIX AD- IP W/HTR CUMMINS ISB-200	29.00	0.00	29.00
C181620000	DUAL 12-VOLT BATTERIES CUMMINS ISB EFX- 2013	93.81	33.19	127.00
C209705000	DUST SHIELDS - HYDRAULIC BRAKES - BOSCH (FRON	4.00	0.00	4.00
C209706000	DUST SHIELDS - HYDRAULIC BRAKES - BOSCH (REAR	4.00	0.00	4.00
C241014260	CUMMINS ISB-260 ENGINE (EFX) 2013 EPA	644.54	-94.54	550.00
C336501000	100 GALLON FUEL TANK BETWEEN THE RAILS	-176.47	609.47	433.00
C340501000	TOW HOOKS, FRONT - TWO (2)	13.77	-3.77	10.00
C341506000	153 3/8" REAR FRAME OVERHANG	-14.71	35.71	21.00
C440510000	FREIGHTLINER "AIRLINER" REAR SUSPENSION-HYDRA	0.00	166.00	166.00
C531151000	MICHELIN 11R22.5 16(H) PLY XDN2	0.00	524.00	524.00
C531603000	MICHELIN 11R22.5 16(H) PLY XZE2	252.00	0.00	252.00
C600302129	ALLISON 2500PTS SERIES TRANSMISSION CUMMINS I	45.62	-6.62	39.00
C657005000	ALCOA DURABRITE FRONT WHEELS POLISHED 8.25X22	47.00	0.00	47.00
C657005000	ALCOA DURABRITE FRONT WHEELS POLISHED 8.25X22	47.00	0.00	47.00
C657006000	ALCOA DURABRITE REAR WHEELS POLISHED 8.25X22.	15.67	31.33	47.00
C657006000	ALCOA DURABRITE REAR WHEELS POLISHED 8.25X22.	15.67	31.33	47.00

C657006000	ALCOA DURABRITE REAR WHEELS POLISHED 8.25X22.	15.67	31.33	47.00
C657006000	ALCOA DURABRITE REAR WHEELS POLISHED 8.25X22.	15.67	31.33	47.00

Chassis Option Total		1052.24	1388.76	2441.00

***** PASSENGER WEIGHTS *****

# Option	Description	Side	Front	Rear	Total
1 D900104001	SEAT-DRIVER NATIONAL W/HEAT	SIDE	173.02	-23.02	150.00
2 D930009000	S3B RS SEAT/BARRIER COMBO RESTRA	RIGHT SIDE	233.25	6.75	240.00
3 D930039000	S3B 39"RS WALL MT RESTRAINING/NO	RIGHT SIDE	301.31	58.69	360.00
3 D930039000	S3B 39"RS WALL MT RESTRAINING/NO	RIGHT SIDE	252.74	107.26	360.00
3 D930039000	S3B 39"RS WALL MT RESTRAINING/NO	RIGHT SIDE	204.18	155.82	360.00
3 D930039000	S3B 39"RS WALL MT RESTRAINING/NO	RIGHT SIDE	155.61	204.39	360.00
3 D930039000	S3B 39"RS WALL MT RESTRAINING/NO	RIGHT SIDE	107.04	252.96	360.00
3 D930039000	S3B 39"RS WALL MT RESTRAINING/NO	RIGHT SIDE	58.48	301.52	360.00
3 D930039000	S3B 39"RS WALL MT RESTRAINING/NO	RIGHT SIDE	9.91	350.09	360.00
3 D930039000	S3B 39"RS WALL MT RESTRAINING/NO	RIGHT SIDE	-38.65	398.65	360.00
3 D930039000	S3B 39"RS WALL MT RESTRAINING/NO	RIGHT SIDE	-87.22	447.22	360.00
3 D930039000	S3B 39"RS WALL MT RESTRAINING/NO	RIGHT SIDE	-135.79	495.79	360.00
3 D930039000	S3B 39"RS WALL MT RESTRAINING/NO	RIGHT SIDE	-184.35	544.35	360.00
3 D930139000	S3B 39"LS WALL MT RESTRAINING/NO	LEFT SIDE	264.46	95.54	360.00
3 D930139000	S3B 39"LS WALL MT RESTRAINING/NO	LEFT SIDE	216.23	143.77	360.00
3 D930139000	S3B 39"LS WALL MT RESTRAINING/NO	LEFT SIDE	168.01	191.99	360.00
3 D930139000	S3B 39"LS WALL MT RESTRAINING/NO	LEFT SIDE	119.78	240.22	360.00
3 D930139000	S3B 39"LS WALL MT RESTRAINING/NO	LEFT SIDE	71.55	288.45	360.00
3 D930139000	S3B 39"LS WALL MT RESTRAINING/NO	LEFT SIDE	23.33	336.67	360.00
3 D930139000	S3B 39"LS WALL MT RESTRAINING/NO	LEFT SIDE	-24.90	384.90	360.00
3 D930139000	S3B 39"LS WALL MT RESTRAINING/NO	LEFT SIDE	-73.13	433.13	360.00
3 D930139000	S3B 39"LS WALL MT RESTRAINING/NO	LEFT SIDE	-121.35	481.35	360.00
3 D930139000	S3B 39"LS WALL MT RESTRAINING/NO	LEFT SIDE	-169.58	529.58	360.00
3 D930838000	S3B 38"RS TAPER RESTRAINING/NO B	RIGHT SIDE	-233.60	593.60	360.00
3 D930939000	S3B 39"LS THIN WALL RESTRAINING/	LEFT SIDE	-218.48	578.48	360.00
3 D980139003	S3C 39"LS 3-PASSENGER WALL MOUNT	LEFT SIDE	361.76	-1.76	360.00
3 D980139003	S3C 39"LS 3-PASSENGER WALL MOUNT	LEFT SIDE	312.69	47.31	360.00

Passenger Totals			1746.29	7643.71	9390.00