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ZOOM-ROOM™ SHOP DRAWINGS©

TWIN-SIZE I.R. MECHANISM

ZOOM-ROOM
2121 NORTH BAYSHORE DRIVE #912
MIAMI, FL 33137

TEL: 888.211.1120
TEL: 305.677.9148
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PETERMEDVIN@ZOOM-ROOM.COM

JULY 2013

www.zoom-room.com

ATTENTION DESIGNERS AND MILLWORKERS:
READ THIS BEFORE DESIGNING OR BUILDING A ZOOM-ROOM CABINET
TO ENSURE SUCCESSFUL INSTALLATION OF THE BED MECHANISM.

Please discuss with a Zoom-Room employee before changing any dimensions. You must follow the interior dimensions as shown in the Shop Drawings to accommodate the bed system.

The cabinet must be built so the interior dimension between the side support panels is 42-1/4". (See FRONT ELEVATION, Sheet 1 of 7).

Construct Bolsters in the shape of the rail guides on each side to establish the correct interior distance needed for the motors and bed mechanism to fit (39- 1/4"). Bolstering the rail guides gives the mattress ample space to travel in and out of the cabinetry so they do not damage the mattress cover as it travels up and down the rail guides (see VERTICAL SECTION Sheet 2 of 7 for positioning of the Bolsters). The Bolster's edge should be sanded and finished, and the lower bolsters should have the same finish as your cabinet, since once the bed is open they will be visible.

The Drop Block should be placed anterior to the top of the Bolsters and rail guides, just below the rail.

The middle recessed area of the cabinet (space for a TV or bookshelves) should begin at least 35" from the floor, and be no greater than 9" deep (not including the 3/4" front Headboard). This allows enough interior cavity space behind the TV Panel so that the mattress may travel without interference. (See VERTICAL SECTION, Sheet 2 of 7).

The Footboard should be a solid piece of plywood or MDF (23-1/2" H for solid floors, and 23" H for carpet), or a solid piece of plywood or MDF with light paneling attached to the front (for decoration). The Footboard requires attaching a Reinforcement Beam to eliminate warping, as the mattress applies pressure to the Footboard. Weight limit is 25lbs.

Any electrical wires or cables should be secured to the interior of the cabinet and covered to prevent snags on the mattress and mechanism. Wiring and cables should be channeled out through the side panels or through the Bolsters so as not to impede the travel of the bed and mechanism. Please see our document "Wiring for AV Equipment".

The IR receiver must be accessible for remote operation and power outage backup. As the chord is only 5' long, options may be limited. Generally the chord is either channeled through the back of a side column, to the side of the center cabinet or inside a side cabinet. If necessary, use an IR extender or consult with Zoom-Room regarding placement.

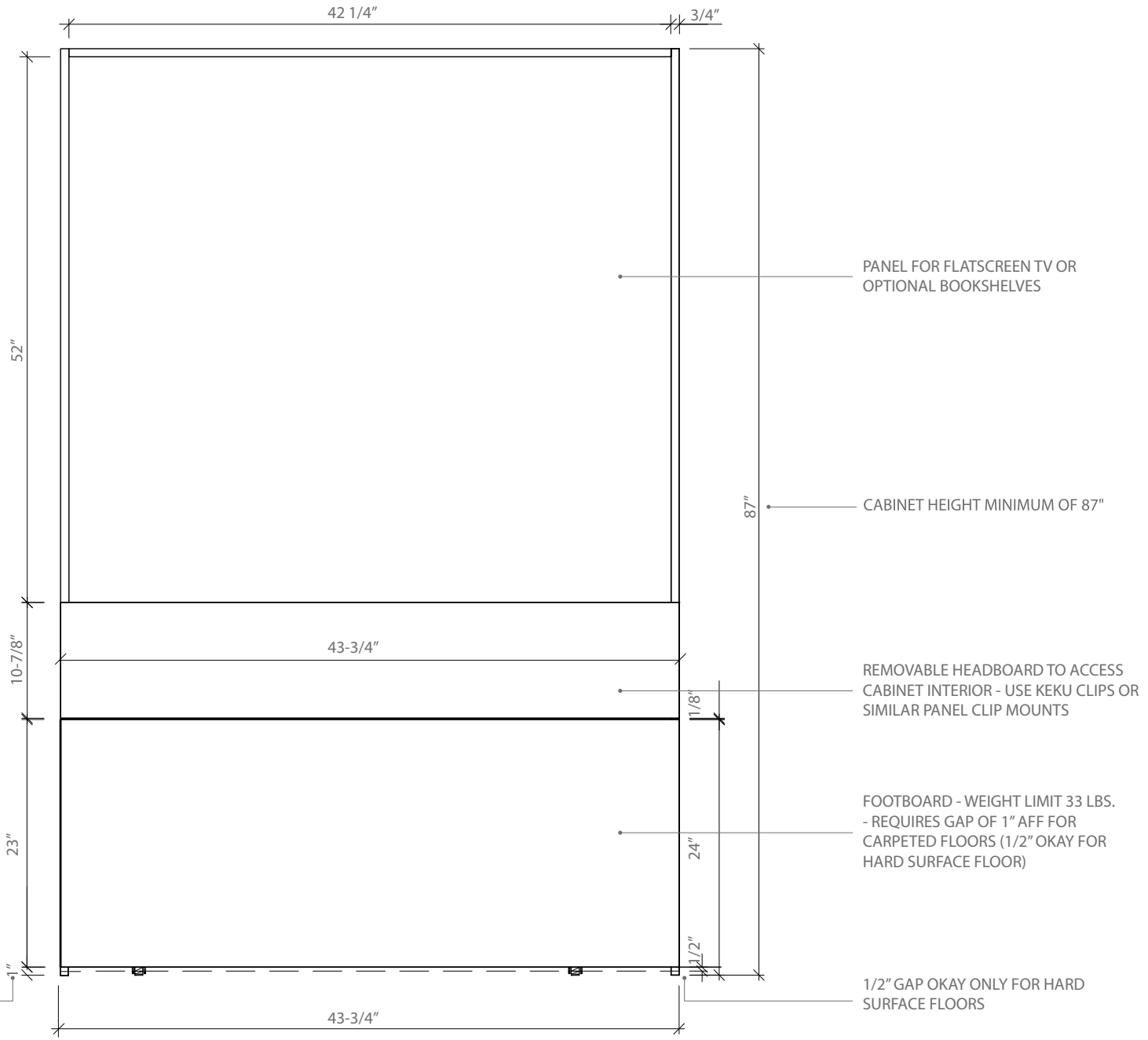
Always allow for an accessible interior by constructing a removable Headboard. This is especially important if you decide to mount your cabinet to the wall (normally the unit is freestanding and does not need to be bolted to the wall or floor).

The Strap Support Beam (see REAR ELEVATION Sheet 3 of 7) must be made of wood, not MDF.

If your Zoom-Room will be installed on carpet, additional casters may be applied (See Shop Drawings).
* Please send your Zoom-Room designs or drawings to petermedvin@zoom-room.com or fax them to (305) 677-9278 for review before constructing your cabinet.

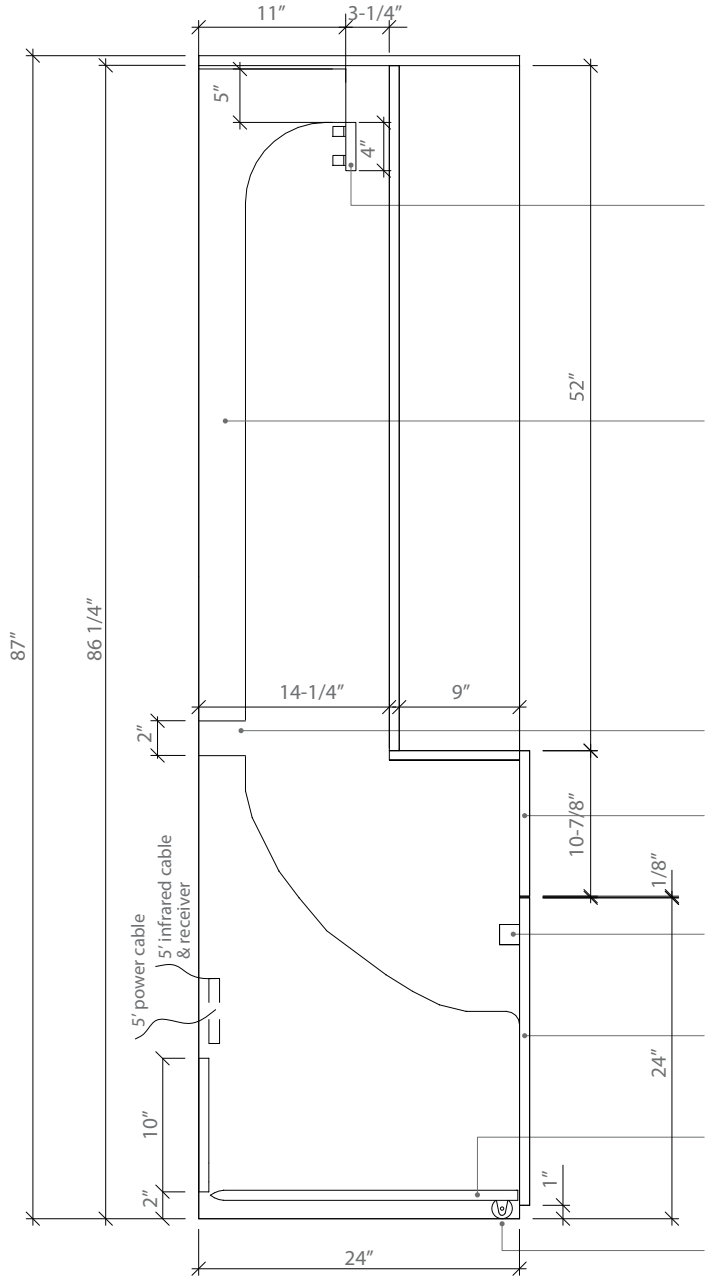
Call **(888) 211-1120** with any questions.

JULY 2013



FRONT ELEVATION
ZOOM-ROOM™ TWIN SIZE - I.R. MECHANISM

ZOOM-ROOM™	ZOOM-ROOM™ 2121 N. BAYSHORE DR. #912 MIAMI, FL - 33137 305.677.9148	
DATE: JULY 2013	SCALE: NTS	SHEET 1 OF 7



TO BE CONSTRUCTED BY MILL WORKER

REQUIRED DROP BLOCK

BOLSTERS

1-1/2″ PANEL BOLSTERS MIMIC THE RAILGUIDES' CURVES AND EXTEND TO THE FLOOR.
CONSTRUCTED BY MILLWORKER - ALLOWS MATTRESS TO EXTEND AND RETRACT UNIMPEDED.
SEE SHEET 4 OF 7

GAP FOR ROUTING WIRING

REMOVABLE HEADBOARD ACCESS PANEL - ATTACH USING KEKU CLIPS OR SIMILAR

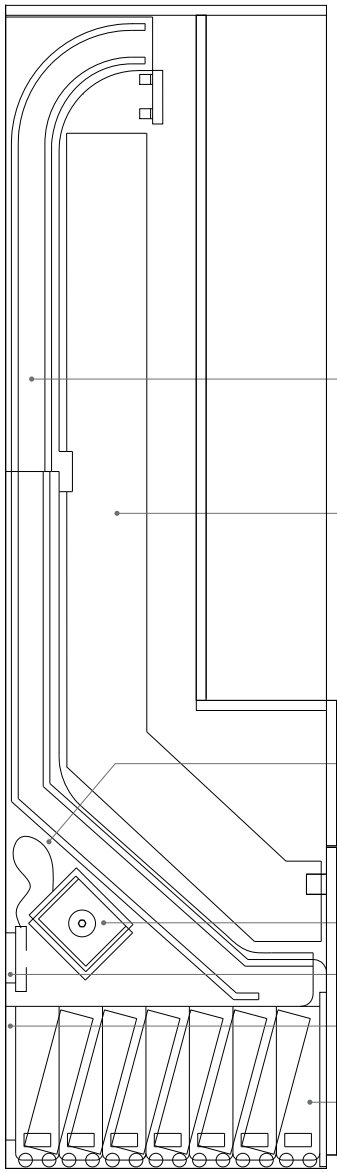
REQUIRED FOOTBOARD REINFORCEMENT BEAM TO ELIMINATE WARPING

FOOTBOARD - ATTACHES TO MECHANISM AND TRAVELS IN AND OUT WITH ACCORDION FRAME

CARRIAGE STABILIZERS - CONSTRUCTED BY MILLWORKER.
SEE SHEET 7 OF 7

CARPET CASTERS -
TO BE INSTALLED IF MECHANISM IS ON CARPET

CABINET SECTION



NOTE:
LOCATE WHERE THE INFRARED (I.R.) RECEIVER WILL BE MOUNTED AND MAKE A NOTE OF ITS LOCATION AND THE ROUTING OF ITS CABLE BEFORE CONSTRUCTION. THE I.R. RECEIVER BOX MUST BE VISIBLE UNLESS USING AN I.R. RELAY KIT.

RAIL GUIDES FOR CHAIN SYSTEM TRACKING

MATTRESS (CHAIN SYSTEM AND WOOD SLATS NOT SHOWN)

CABLE FROM MOTORS TO CONTROL UNIT

MOTORS ON BOTH SIDES

STRAP SUPPORT BEAM

BACK BASE PANEL

ACCORDIAN CARRIAGE SYSTEM TRAVELS IN AND OUT OF THE CABINET

BEVEL FRONT INTERIOR EDGE OF THE LOWER BOLSTERS

CABINET SECTION WITH ZOOM-ROOM MECHANISM

CABINET SECTIONS
ZOOM-ROOM™ TWIN SIZE - I.R. MECHANISM

ZOOM-ROOM™	ZOOM-ROOM™ 2121 N. BAYSHORE DR. #912 MIAMI, FL - 33137 305.677.9148	
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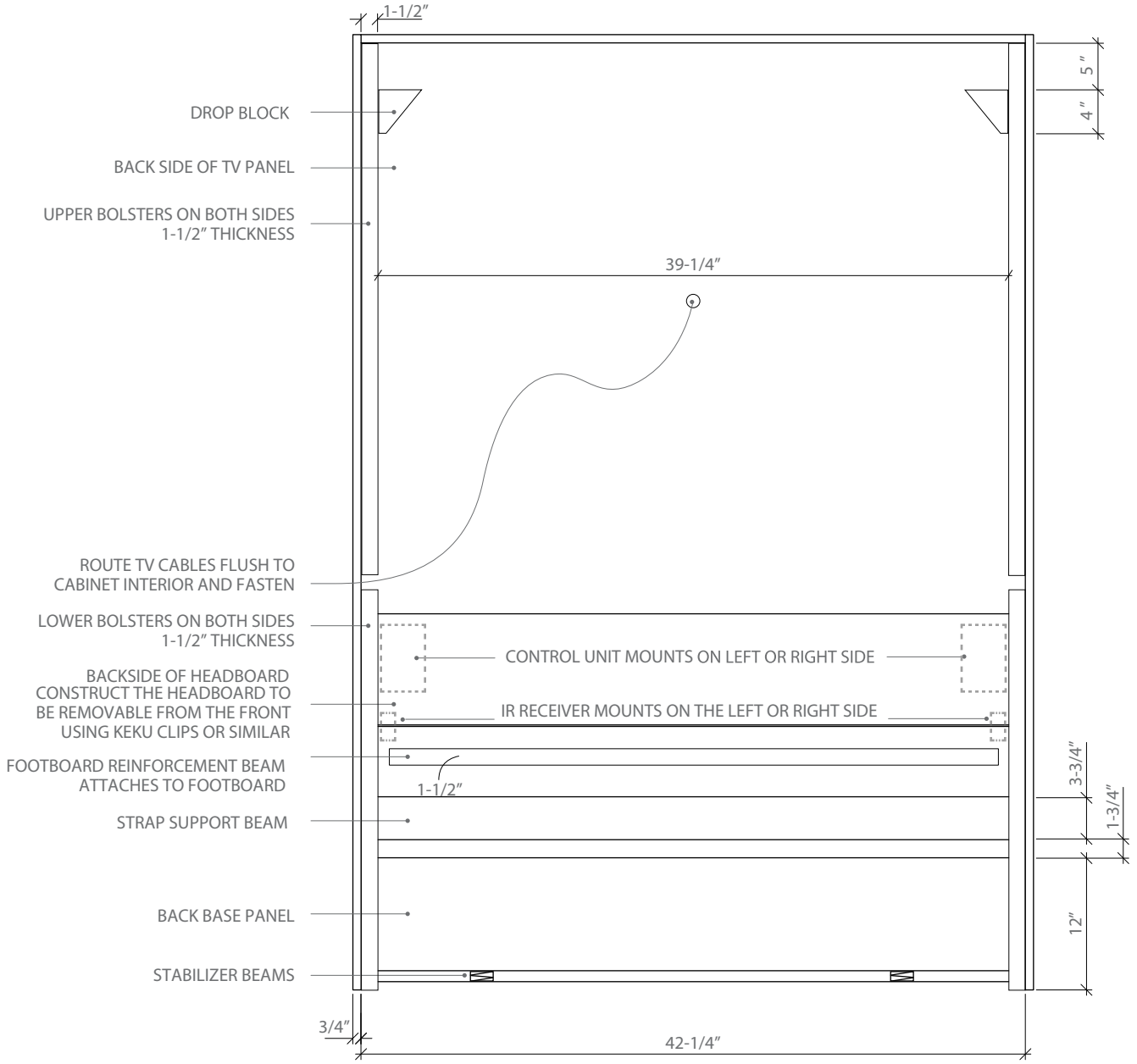
NOTE:
ONLY THE STRAP SUPPORT BEAM AND THE BASE PANEL CAN BE ALIGNED WITH THE BACK OF THE RAIL GUIDES, I.E. PLACED WITHIN THE INTERIOR OF THE BOLSTERS. ANY OTHER BACK SUPPORT MUST BE ATTACHED TO THE EXTERIOR OF THE CABINET. AS A GENERAL RULE, THE BACK SHOULD NOT BE CLOSED



NOTE:
THE CASTERS AND UNDER CARRIAGE STABILIZER BEAMS ARE MOUNTED INSIDE THE CABINET NEXT TO AND PERPENDICULAR TO THE FOOTBOARD - SEE SHEET 6 OF 7

REAR ELEVATION
ZOOM-ROOM™ TWIN SIZE - I.R. MECHANISM

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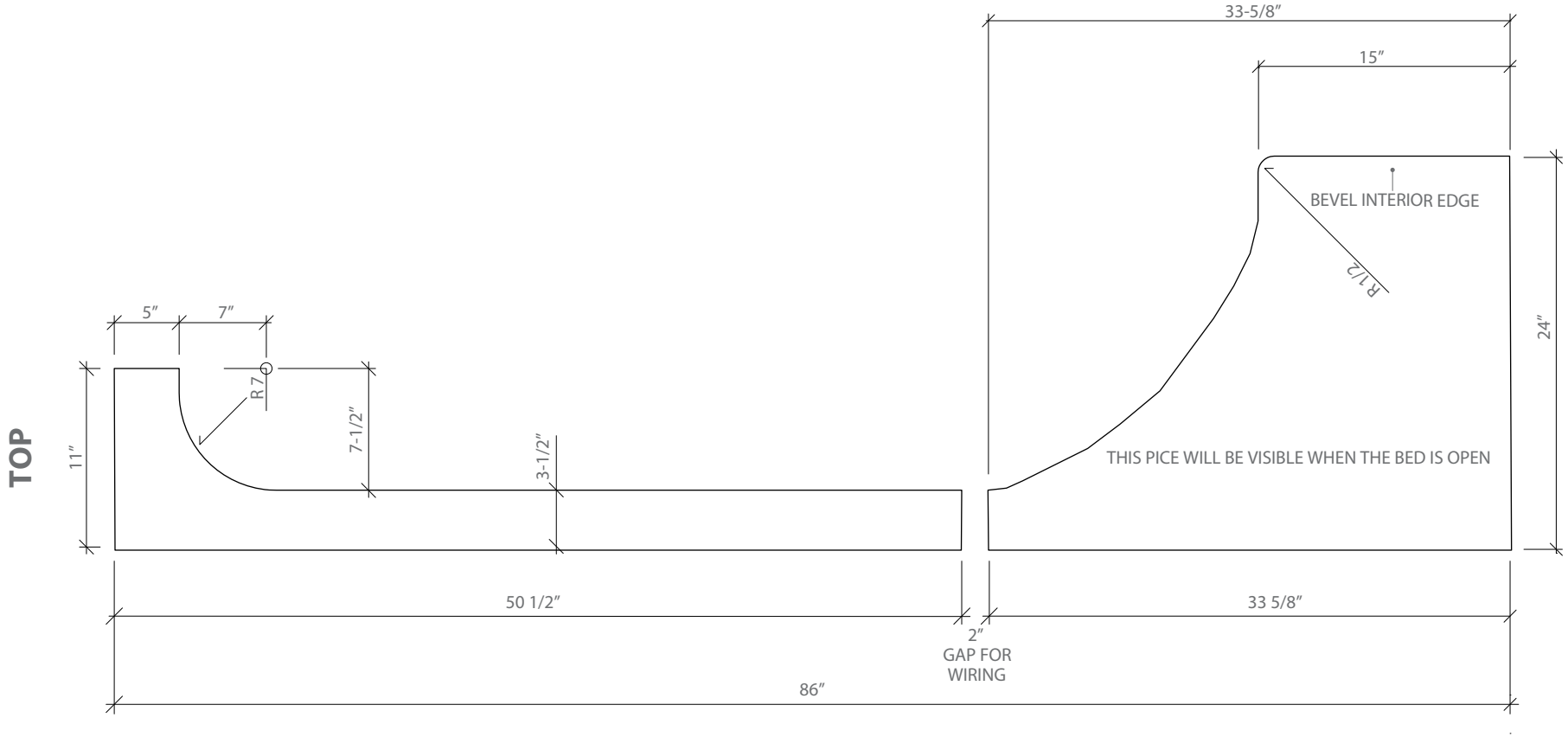
BOLSTER TEMPLATE FOR RAIL GUIDES -

CONSTRUCTED BY MILL WORKER
INSTALLED BY CABINET INSTALLER

NOTE:
BOTH TOP AND BOTTOM THICKNESS AT 1-1/2″
BEVEL THE INTERIOR INSIDE EDGE OF THE LOWER BOLSTERS
FINISH LOWER BOLSTERS TO MATCH CABINET FINISH (LOWER BOLSTERS WILL BE VISIBLE)
PLEASE CONTACT US FOR A CAD DRAWING OF THE BOLSTERS OR PAPER TEMPLETE



BOLSTERS FOR RAIL GUIDES ZOOM-ROOM™ TWIN SIZE - I.R. MECHANISM	ZOOM-ROOM™	ZOOM-ROOM™ 2121 N. BAYSHORE DR. #912 MIAMI, FL - 33137 305.677.9148	
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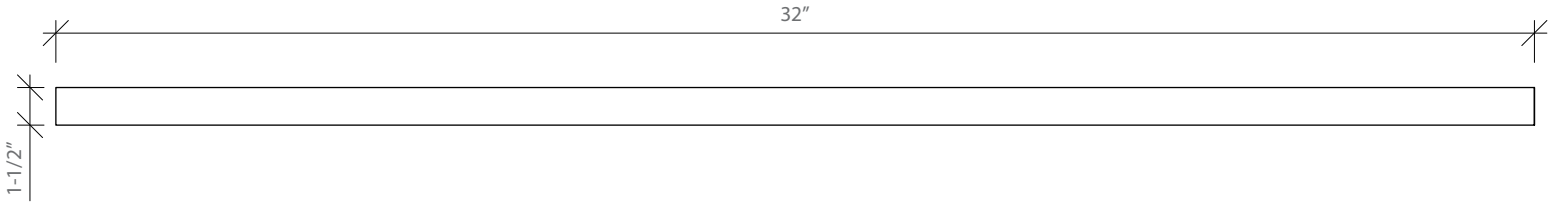
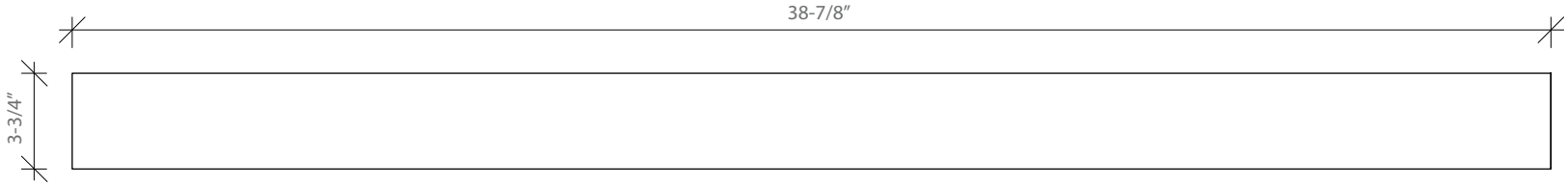
FOOTBOARD REINFORCEMENT BEAM 1 1/2" THICK

MOUNT ON INTERIOR OF FOOTBOARD 2" BELOW THE TOP AND CENTERED. CONSTRUCTED AND INSTALLED BY MILLWORKER. SUPPLY COUNTERSINK CAPS.



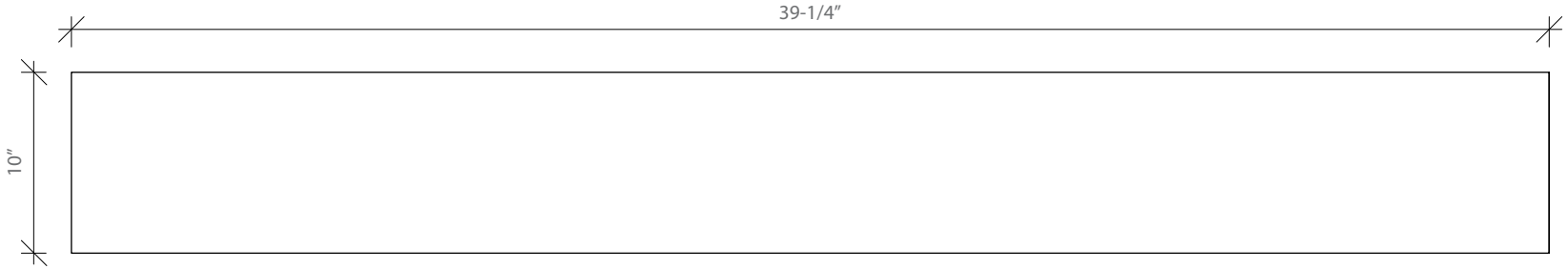
STRAP SUPPORT PANEL (WOOD ONLY)

INSTALLED DURING ZOOM-ROOM INSTALLATION. CONSTRUCTED BY MILLWORKER.



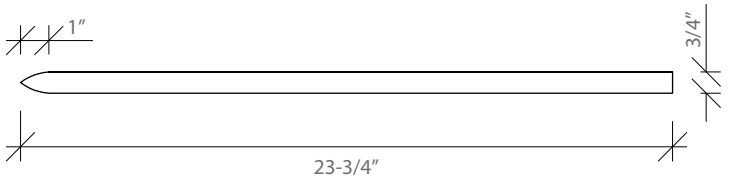
BACK BASE PANEL

INSTALLED DURING ZOOM-ROOM INSTALLATION. CONSTRUCTED BY MILLWORKER.

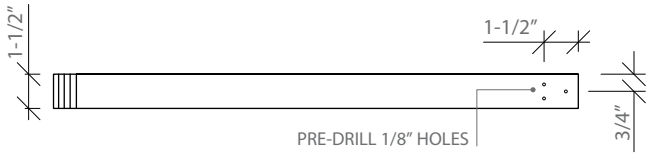


CARRIAGE STABILIZERS

INSTALLED DURING ZOOM-ROOM INSTALLATION. CONSTRUCTED BY MILLWORKER. MOUNTED UNDER CARRIAGE SYSTEM. FOR CARPET INSTALLATIONS ONLY



SIDE VIEW



TOP VIEW

ADDITIONAL PARTS ZOOM-ROOM™ TWIN SIZE - I.R. MECHANISM	ZOOM-ROOM™	ZOOM-ROOM™ 2121 N. BAYSHORE DR. #912 MIAMI, FL - 33137 305.677.9148	
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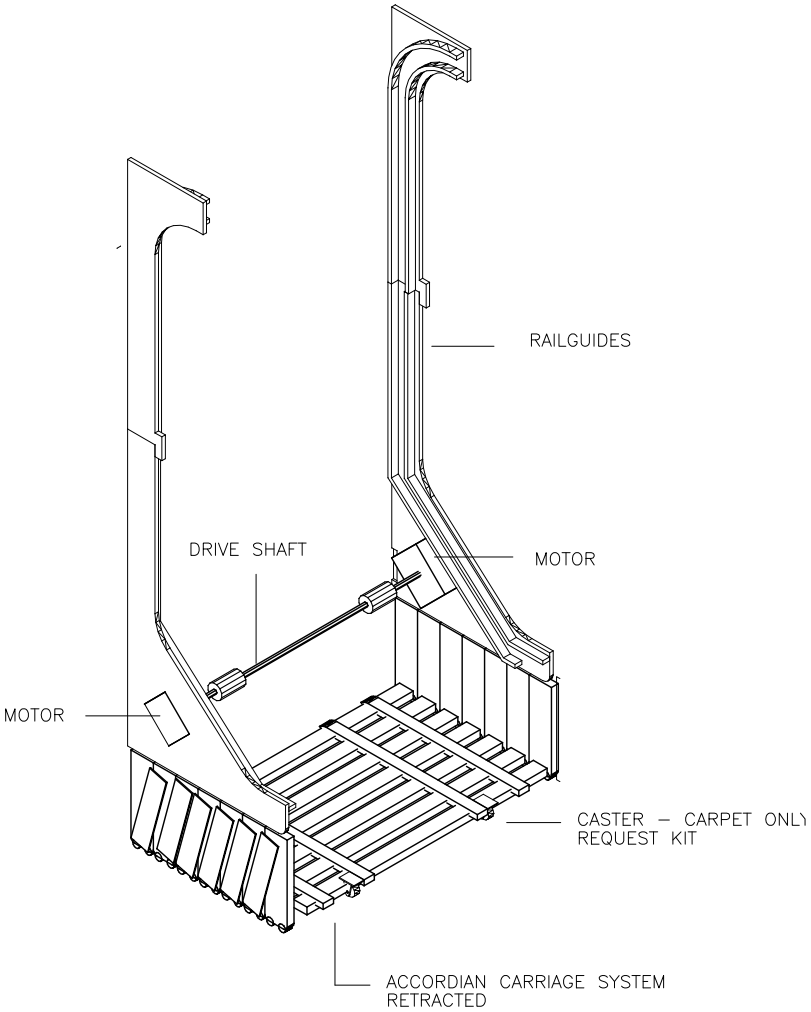
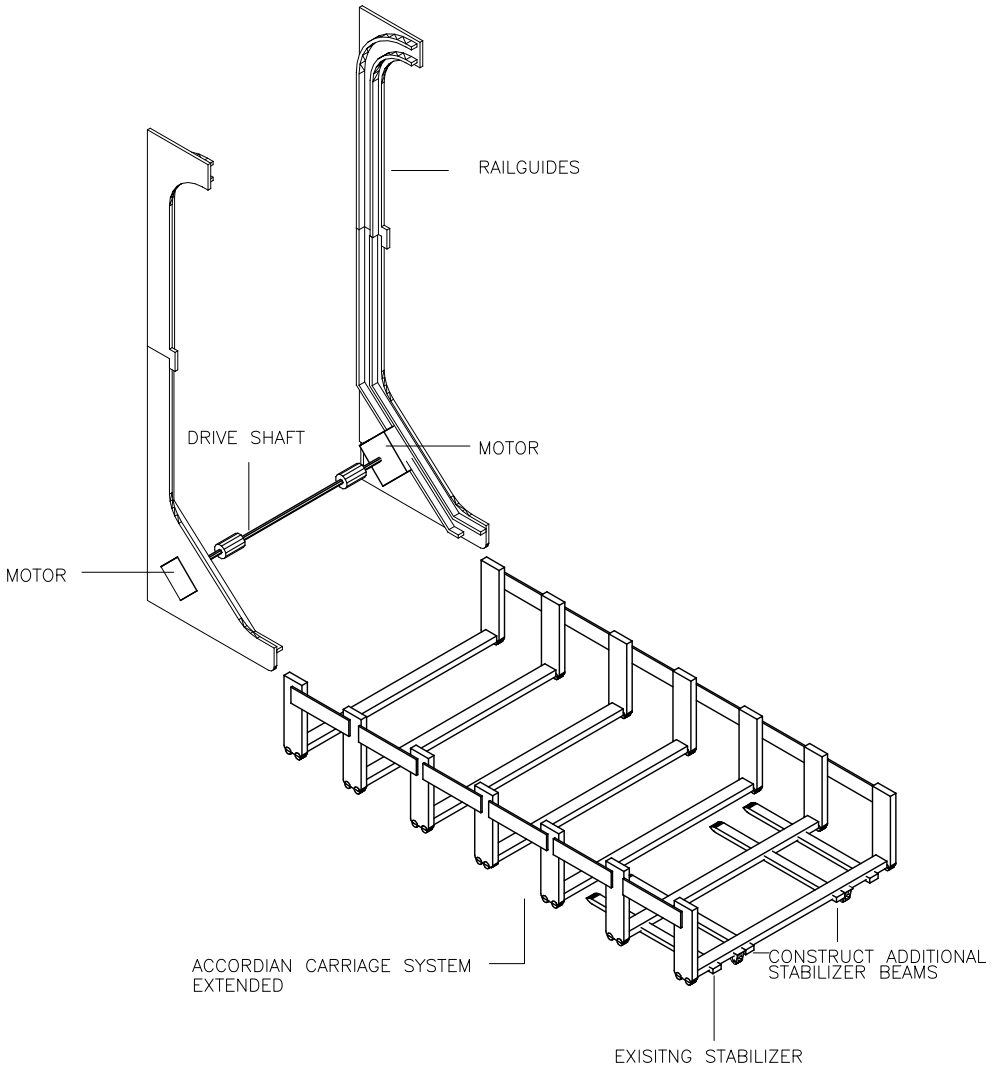


ACCORDION CARRIAGE SYSTEM (RETRACTED)



ACCORDION CARRIAGE SYSTEM (EXTENDED)

DIAGRAM DOES NOT SHOW MATTRESS, INFRARED RECEIVER, CHAIN SYSTEM, CONTROL UNIT, SLATS OR SLAT RINGS - WHICH ARE INCLUDED IN THE BED SYSTEM.

MECHANISM DIAGRAM ZOOM-ROOM™ TWIN SIZE - I.R. MECHANISM	ZOOM-ROOM™	ZOOM-ROOM™ 2121 N. BAYSHORE DR. #912 MIAMI, FL - 33137 305.677.9148	
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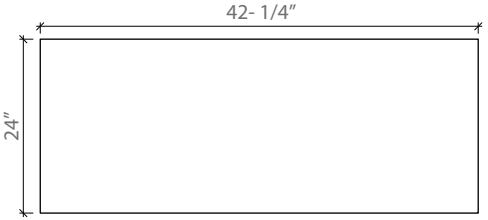
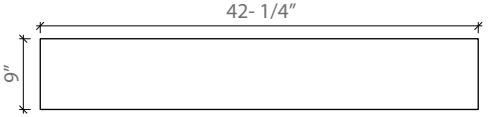
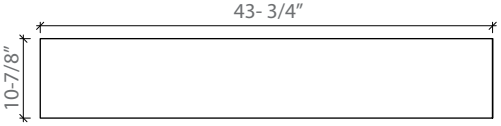


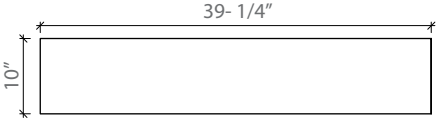
TOP PANEL - QTY 1



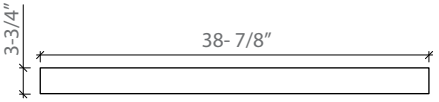
TV SHELF PANEL - QTY 1



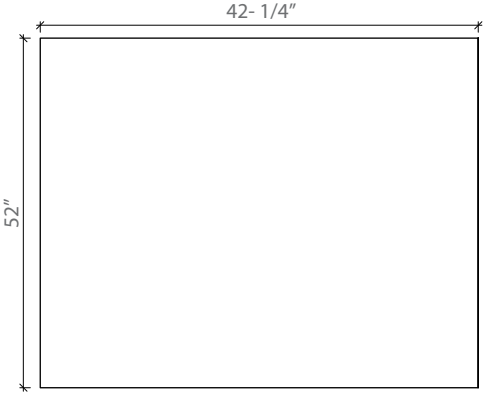
HEADBOARD - QTY 1



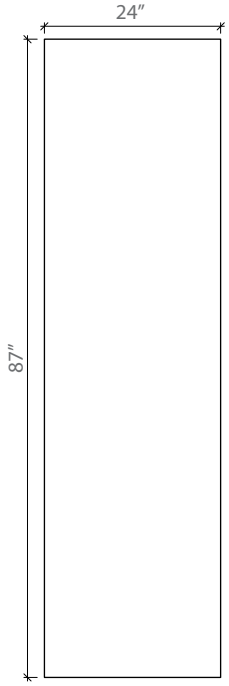
BACK BASE PANEL - QTY 1



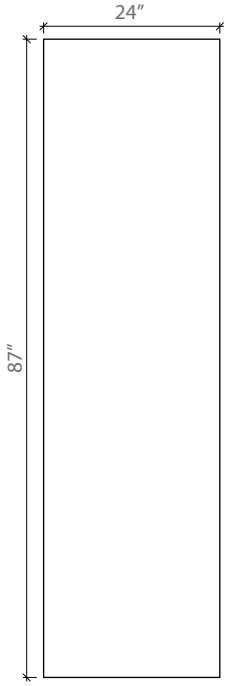
STRAP SUPPORT PANEL - QTY 1



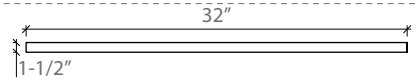
TV PANEL - QTY 1



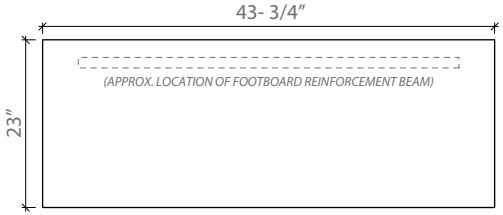
SIDE VERTICAL PANEL - QTY 1



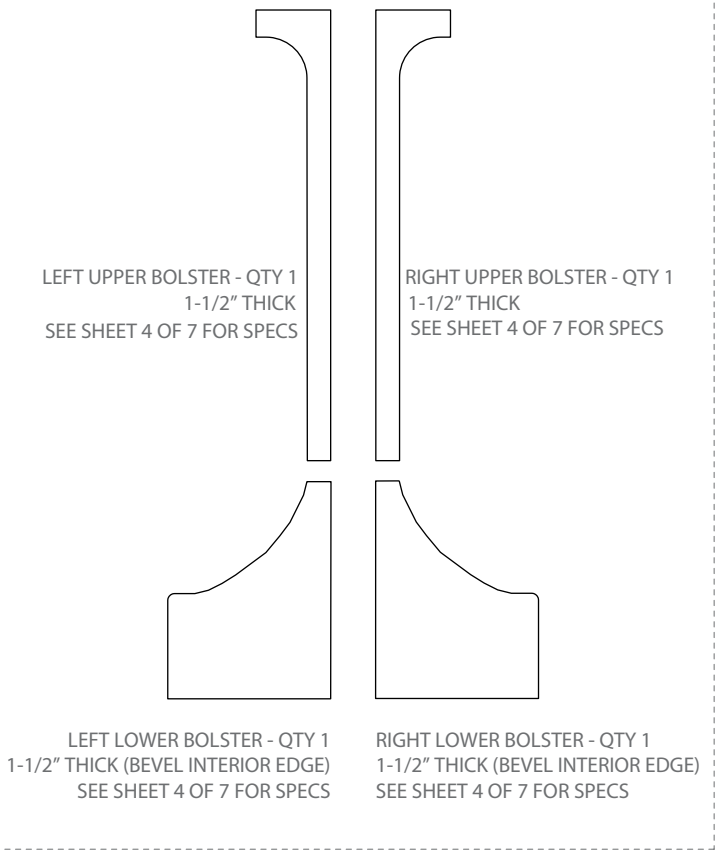
SIDE VERTICAL PANEL - QTY 1



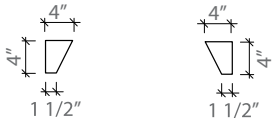
FOOTBOARD REINFORCEMENT BEAM - QTY 1
-DIMENSIONS: 58″ X 1-1/2″ X 1-1/2″
-MOUNTED ON INTERIOR OF FOOTBOARD
@ 2″ BELOW THE TOP AND CENTERED

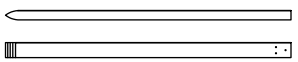


FOOTBOARD - QTY 1
-23″ FOR CARPETED FLOORS
-23-1/2″ ALLOWABLE FOR SOLID FLOORS
-TOTAL WEIGHT LIMIT 33 LBS.



DROP BLOCK 3/4' THICK - QTY 2





CARRIAGE STABILIZERS - QTY 2
SEE SHEET 5 OF 7 FOR SPECS
FOR OPTIONAL INSTALLATION
ON CARPET ONLY

FINISHED PANEL SIZES (INCLUDING EDGE BANDING)
ZOOM-ROOM™ TWIN SIZE - I.R. MECHANISM

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