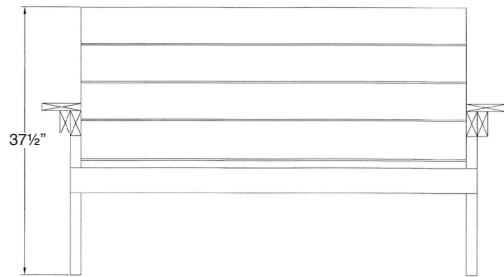




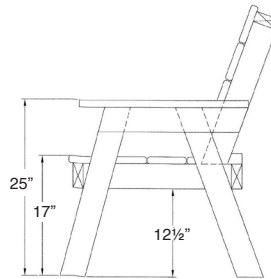
# OUTDOOR bench

home.crs

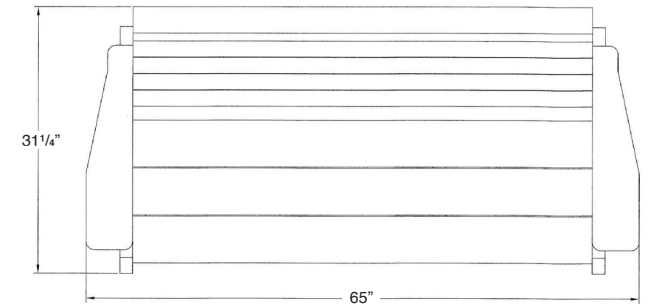
## DIMENSIONS



FRONT VIEW

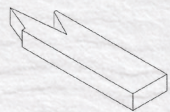


SIDE VIEW

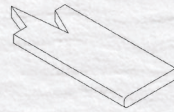


TOP VIEW

## MATERIALS LIST



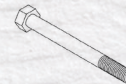
Pressure Treated 2x4, 10-ft.  
• 5 boards



Pressure Treated Decking 5/4"  
10-ft.  
• 2 boards  
12-ft.  
• 2 boards



Coated Deck Screws  
2-1/2" long,  
• 72 screws (0.75 lbs.)  
3" long,  
• 44 screws (0.5 lbs.)



3/8" Hex Bolts  
3-1/2" long  
• 14 bolts  
5" long  
• 2 bolts



3/8" Flat Washers  
• 32 washers



3/8" Hex Nuts  
• 16 nuts

# OUTDOOR BENCH CONSTRUCTION

## 1 CUTTING THE COMPONENTS

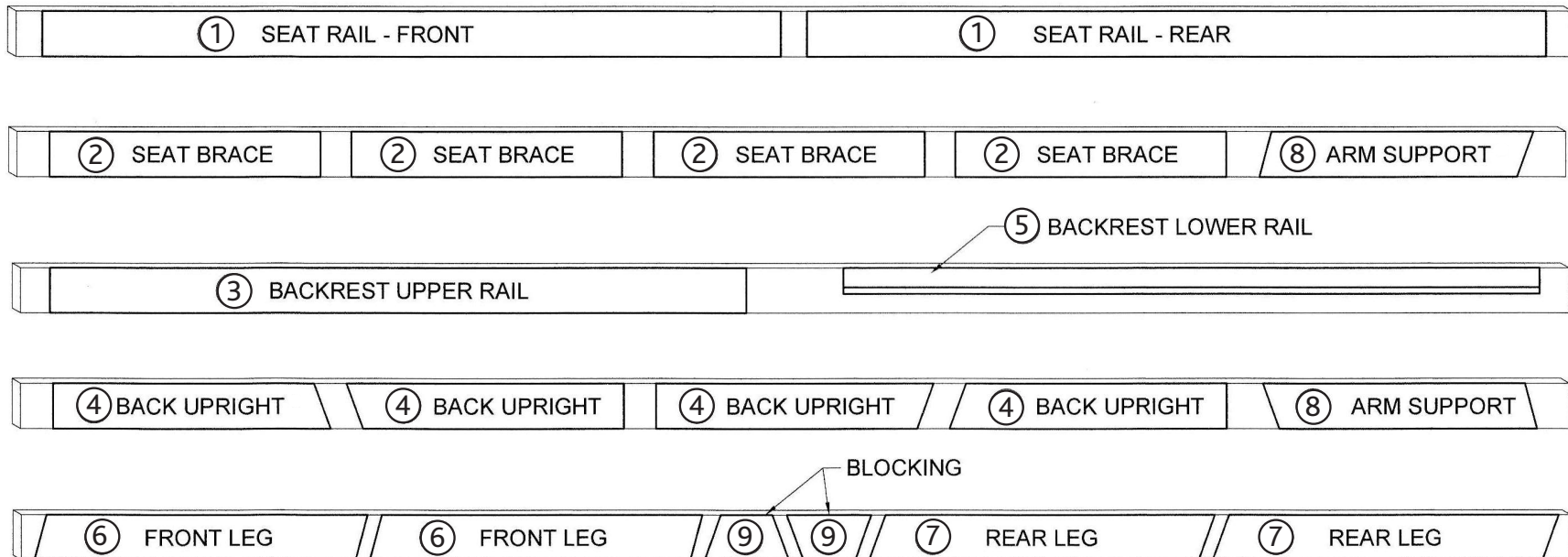
The **Cutting Diagrams** show how each piece of lumber is to be broken down. Refer to the **Detail Drawings** to determine the shape of complex components. The components are numbered in the order they are assembled.

### CUTTING DIAGRAMS

#### 2x4 Pressure-Treated Lumber

All boards are 10' long. Five (5) boards are required for components #1-9.

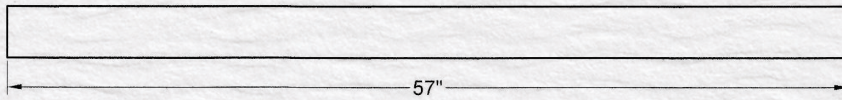
COMPONENTS LIST		
#	Component Name	Quantity
①	Seat Rail	2
②	Seat Brace	4
③	Backrest Upper Rail	1
④	Back Upright	4
⑤	Backrest Lower Rail	1
⑥	Front Leg	2
⑦	Rear Leg	2
⑧	Arm Support	2
⑨	Blocking	2
⑩	Seat Slat#1	1
⑪	Seat Slat	7
⑫	Armrest	2



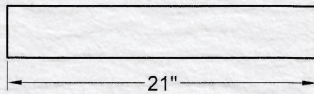
DETAIL DRAWINGS

2x4 Components

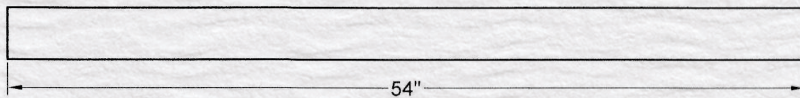
① SEAT RAIL - 2 required



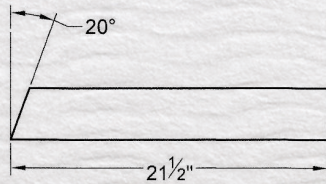
② SEAT BRACE - 4 required



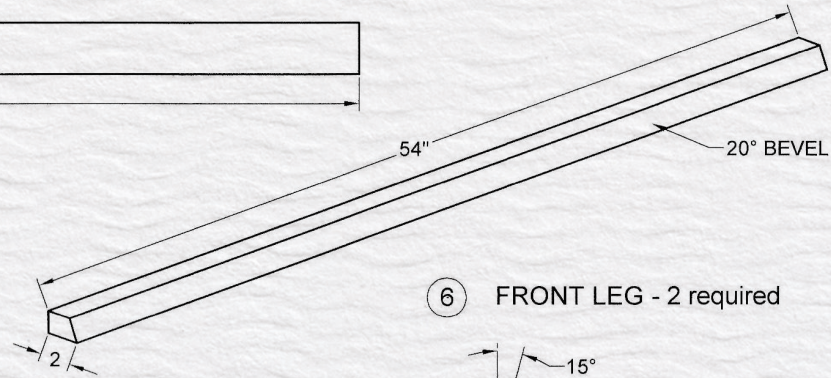
③ BACKREST UPPER RAIL - 1 required



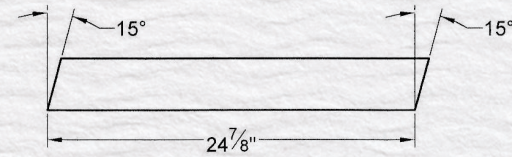
④ BACK UPRIGHT - 4 required



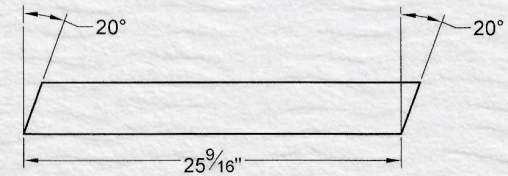
⑤ BACKREST LOWER RAIL - 1 required



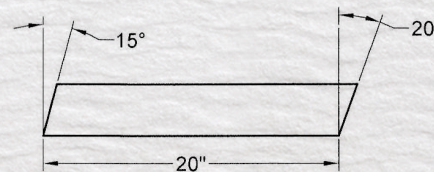
⑥ FRONT LEG - 2 required



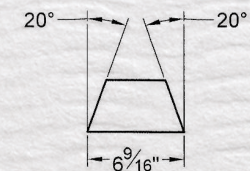
⑦ REAR LEG - 2 required



⑧ ARM SUPPORT - 2 required



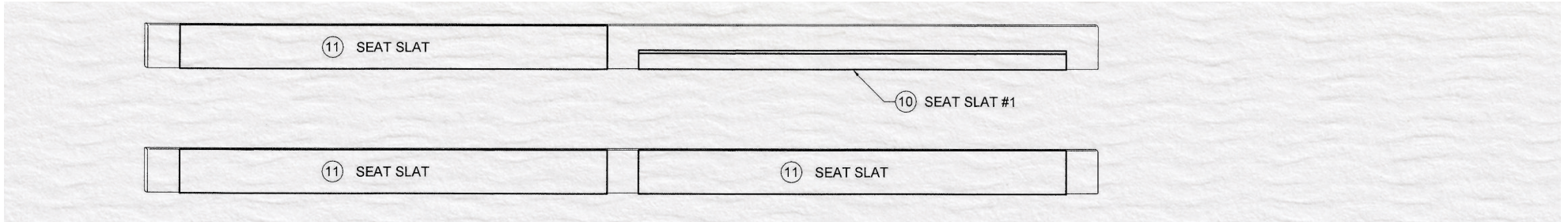
⑨ BLOCKING - 2 required



## CUTTING DIAGRAMS

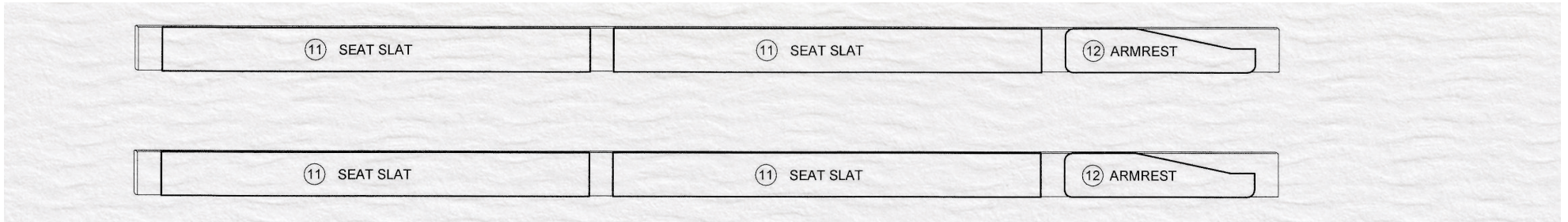
### 5/4" Pressure-Treated Decking

Both boards are 10' long. Two (2) boards are required for components #10 & #11.



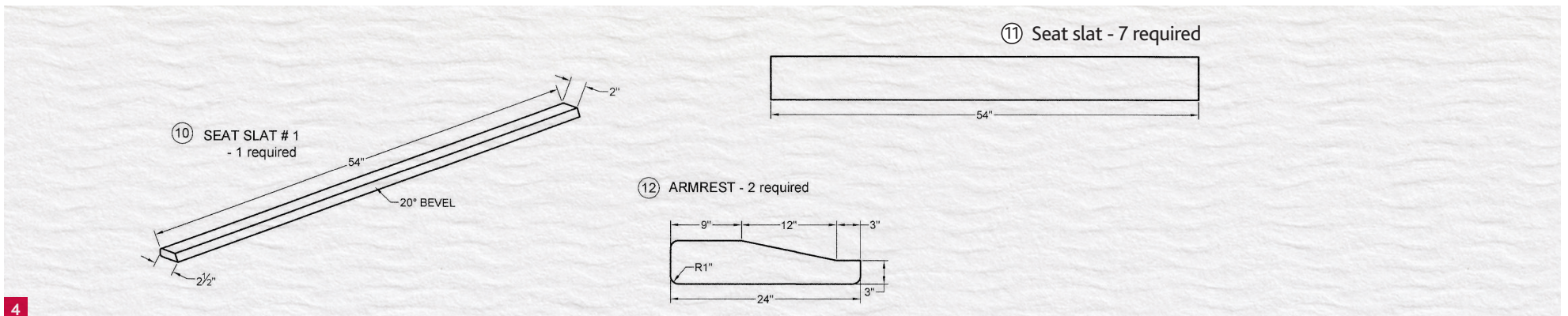
### 5/4" Pressure-Treated Decking

Both boards are 12' long. Two (2) boards are required for components #11 & #12.



## DETAIL DRAWINGS

### 5/4" Pressure-Treated Decking Components

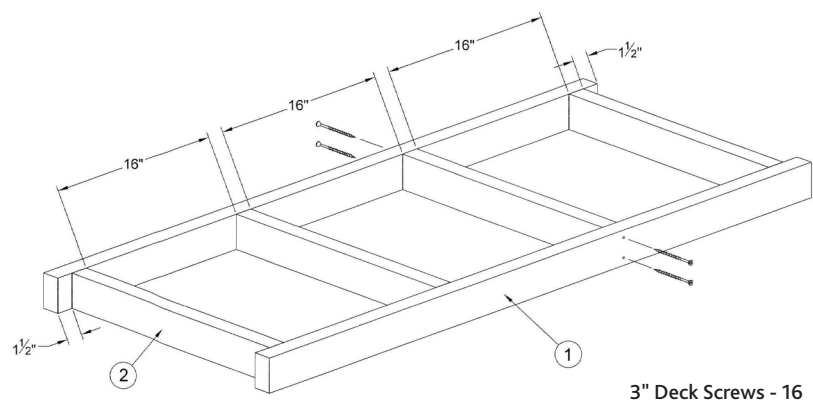


## 2 BENCH ASSEMBLY

### NOTE:

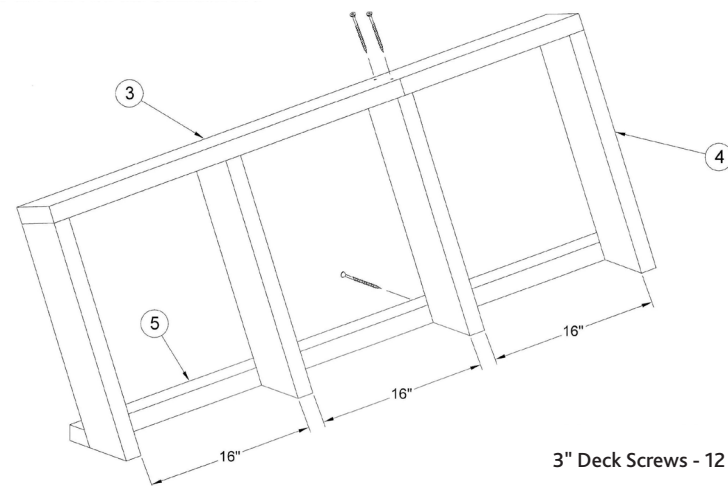
- To preserve the integrity of the pressure-treated lumber, sealer should be applied to all cuts before assembly.
- Clearance and pilot holes should be drilled before installing wood screws. Doing so makes it easier to align and assemble the joint, creates a stronger joint and reduces the chance of splitting the wood.

### STEP 1. SEAT ASSEMBLY



- 1.1 Mark the location of the Seat Braces (2) on the front and back Seat Rails (1).
- 1.2 Secure each joint with 3" Deck Screws.

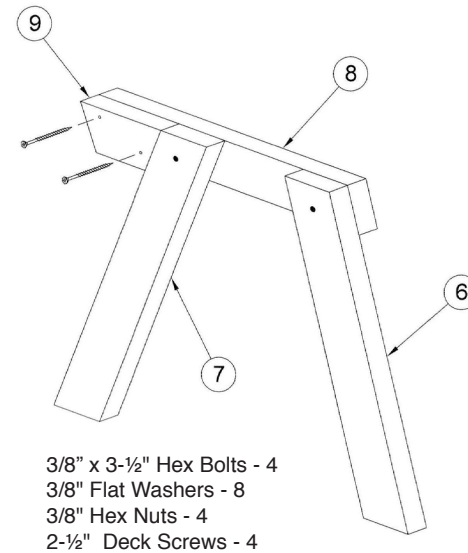
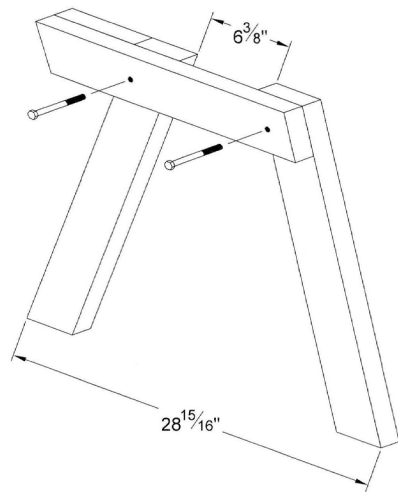
### STEP 2. BACK ASSEMBLY



- 2.1 Mark the location of the Back Supports (4) on the Backrest Upper (3) and Lower (5) Rails.
- 2.2 Secure the rails with 3" Deck Screws.

## BENCH ASSEMBLY *(continued)*

### STEP 3. LEG ASSEMBLY

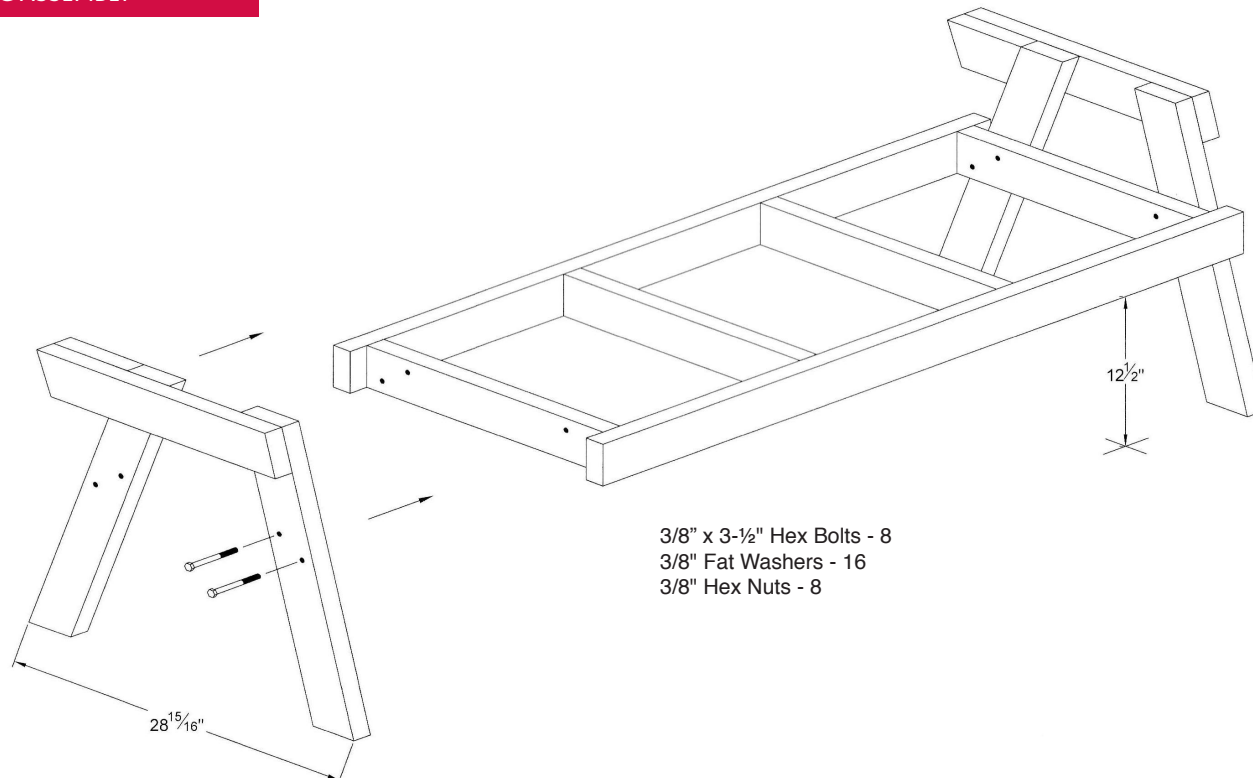


3/8" x 3-1/2" Hex Bolts - 4  
3/8" Flat Washers - 8  
3/8" Hex Nuts - 4  
2-1/2" Deck Screws - 4

- 3.1 Secure the Front Leg (6) to the Arm Support (8) with a single 3-1/2" bolt centred in the joint.
- 3.2 Secure the Rear Leg (7) to the Arm Support (8) with a single 3-1/2" bolt centred in the joint.
- 3.3 Secure the Blocking (9) to the Arm Support (8) with 2-1/2" deck screws as indicated.

## BENCH ASSEMBLY *(continued)*

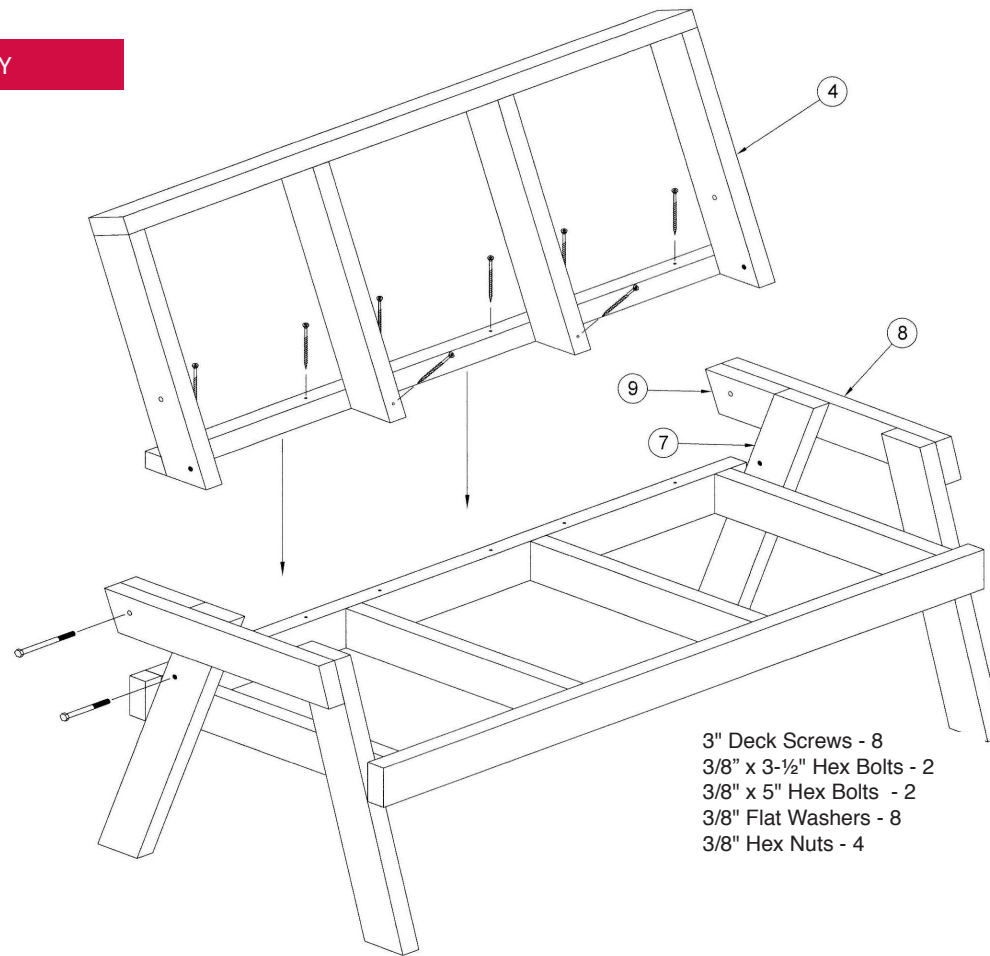
### STEP 4. SEAT TO LEG ASSEMBLY



- 4.1 Fit the seat assembly to the leg assembly. The ends of the Seat Rails will rest on the legs.
- 4.2 Confirm that the rail to ground measurements is 12-<sup>1</sup>/<sub>2</sub>" and that the toe to toe distance is 28 -<sup>15</sup>/<sub>16</sub>".
- 4.3 Secure the seat assembly to the legs with 3-<sup>1</sup>/<sub>2</sub>" bolts centred in the joints.

## BENCH ASSEMBLY *(continued)*

### STEP 5. BACK TO SEAT ASSEMBLY

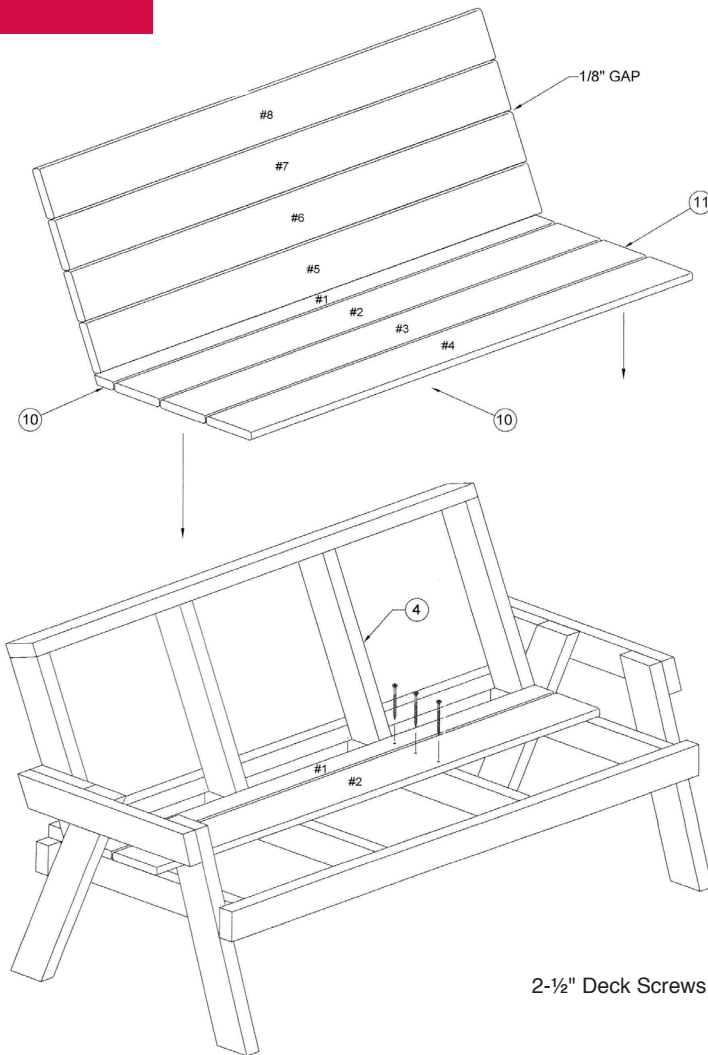


- 5.1 Place the back assembly on the seat assembly and secure it with 3" deck screws.
- 5.2 Connect the back assembly to the leg assembly. Place a 5" bolt through the centre of the joint created by the Back Upright (4) crossing the Blocking (9).
- 5.3 Place a 3-1/2" bolt through the centre of the joint created by the Back Upright (4) crossing the Rear Leg (7).



## BENCH ASSEMBLY *(continued)*

### STEP 6. SEAT SLAT ASSEMBLY



2-1/2" Deck Screws - 60

6.1 Install Seat Slat #1 (10) tight against the Back Uprights (4) and secure with 2-1/2" deck screws.

6.2 Working away from Seat Slat #1 install the full size Seat Slats (11) on the seat frame.

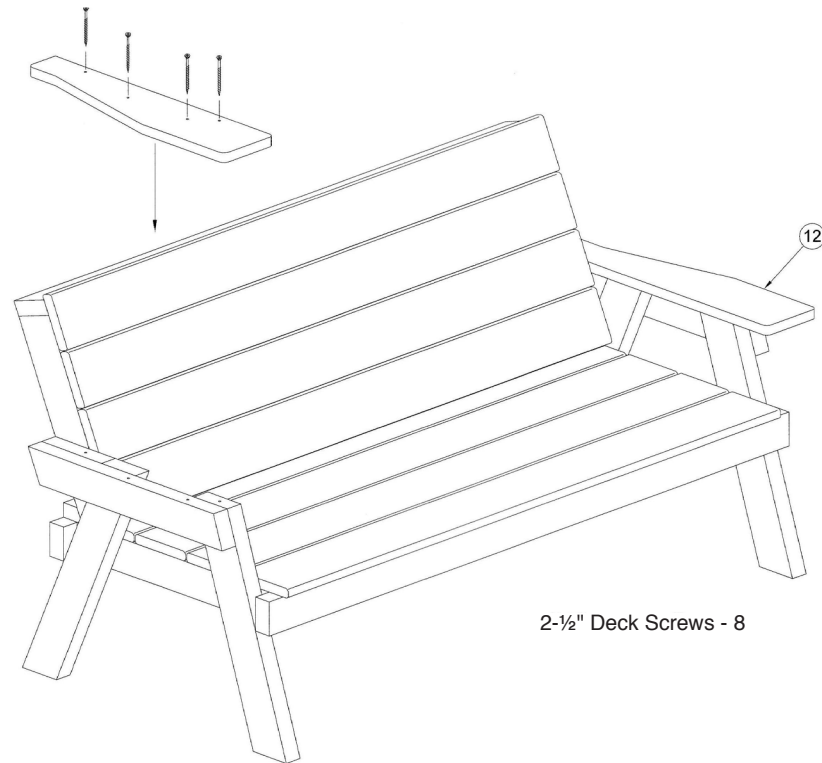
6.3 Working away from Seat Slat #1 install the full size Seat Slats (11) up the backrest.

#### TIP:

Placing 1/8" spacers between the seat slats while driving the screws will ensure even gaps between boards.

## BENCH ASSEMBLY *(continued)*

### STEP 7. ARMREST ASSEMBLY



7.1 Secure the Armrests (12) with 2-1/2" screws as indicated.

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