

**LATERAL REQUIREMENTS**

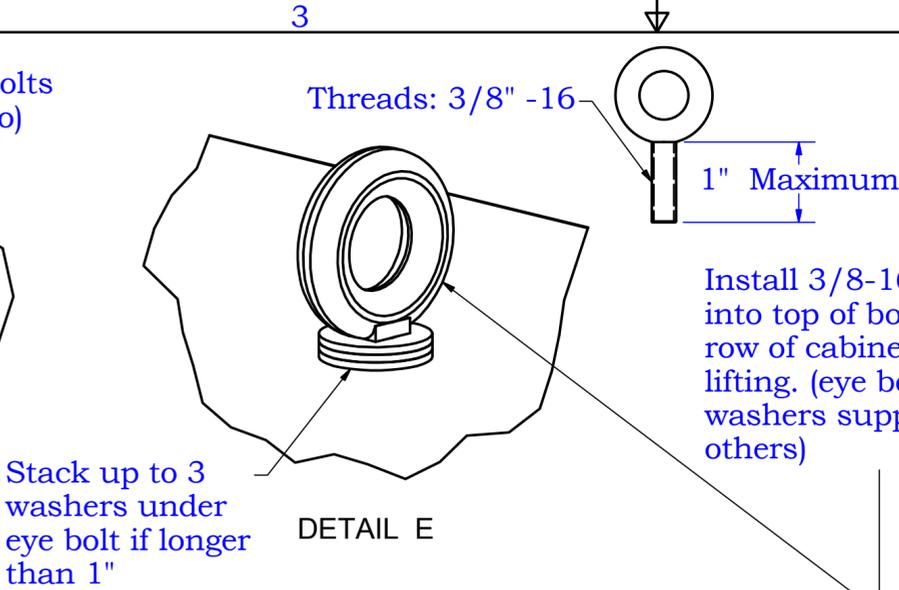
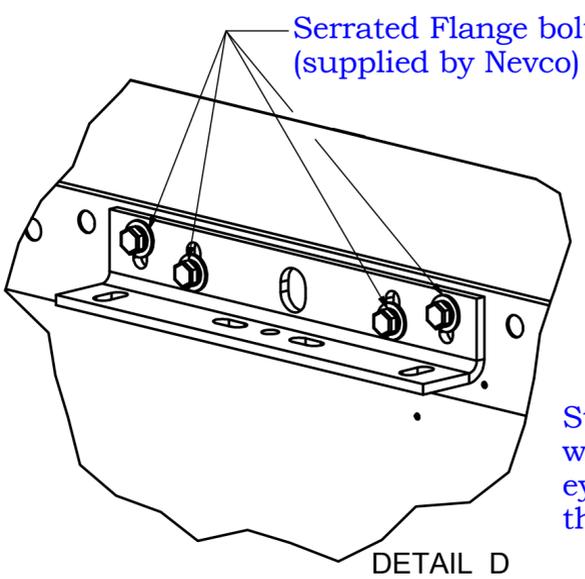
Model	105 mph Lateral	120 mph Lateral	130 mph Lateral	150 mph Lateral	180 mph Lateral	# Laterals Req.	Lateral Length	Bracing Laterals
1603, 1603PC, 3616, 7616	TS 3 x 3 x 1/8	TS 3 x 3 x 3/16	TS 3 x 3 x 3/16	TS 3 x 3 x 1/4	TS 3 x 3 x 5/16	4	31' 6"	TS 4 x 3 x 3/16
3657, 3688, 7688	TS 2.25 x 2.25 x 3/16	TS 2.25 x 2.25 x 3/16	TS 2.5 x 2.5 x 3/16	TS 2.5 x 2.5 x 1/4	TS 3 x 3 x 1/4	4	25' 6"	TS 4 x 3 x 3/16
3620, 7620	TS 2.5 x 2.5 x 1/8	TS 2.25 x 2.25 x 3/16	TS 2.25 x 2.25 x 3/16	TS 2.5 x 2.5 x 3/16	TS 3 x 3 x 3/16	4	25' 6"	TS 4 x 3 x 3/16
1604, 1604PC	TS 3 x 3 x 1/4	TS 4 x 2.5 x 3/16	TS 4 x 2.5 x 3/16	TS 5 x 3 x 3/16	TS 5 x 3 x 1/4	4	21' 6"	TS 4 x 3 x 3/16
7605, 7615, 7625	TS 3 x 3 x 1/8	TS 3 x 3 x 3/16	TS 3 x 3 x 3/16	TS 3 x 3 x 3/16	TS 3 x 3 x 1/4	6	17' 6"	TS 4 x 3 x 3/16
1606, 1606PC, 3615, 3617 3618, 3619, 3685, 7630, 7631, 7632, 7685, 8601, 8602	TS 3 x 3 x 1/8	TS 3 x 3 x 3/16	TS 3 x 3 x 3/16	TS 3 x 3 x 1/4	TS 3 x 3 x 1/4	4	17' 6"	TS 4 x 3 x 3/16
3621, 3682	TS 3 x 3 x 1/8	TS 3 x 3 x 3/16	TS 3 x 3 x 1/4	TS 3 x 3 x 5/16	TS 5 x 3 x 1/4	4	19' 6"	TS 4 x 3 x 3/16

**Notes:**

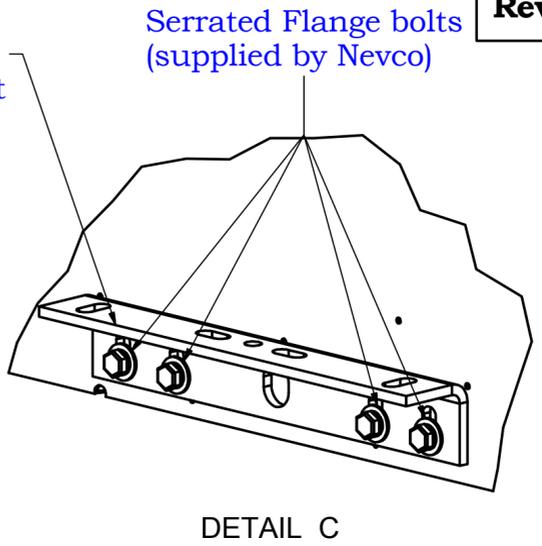
- 1) Lateral material to be ASTM A500 Grade B minimum.
- 2) Quantity of laterals in the chart above includes the quantity required to mount the scoreboard only and does not include bracing laterals. (See detail on sheet 2 to determine required amount of bracing laterals).
- 3) Additional display components such as signs, message centers or video displays will require additional laterals. See separate installation print for details.

Outdoor Scoreboard Installation 2/3 Column With Laterals		 <b>Neveco, Inc.</b> Greenville, Illinois 62246	
		Drawing No. 241-0415	
Drawn KAB	Date 12/14/2018	Sheet 1 of 4	



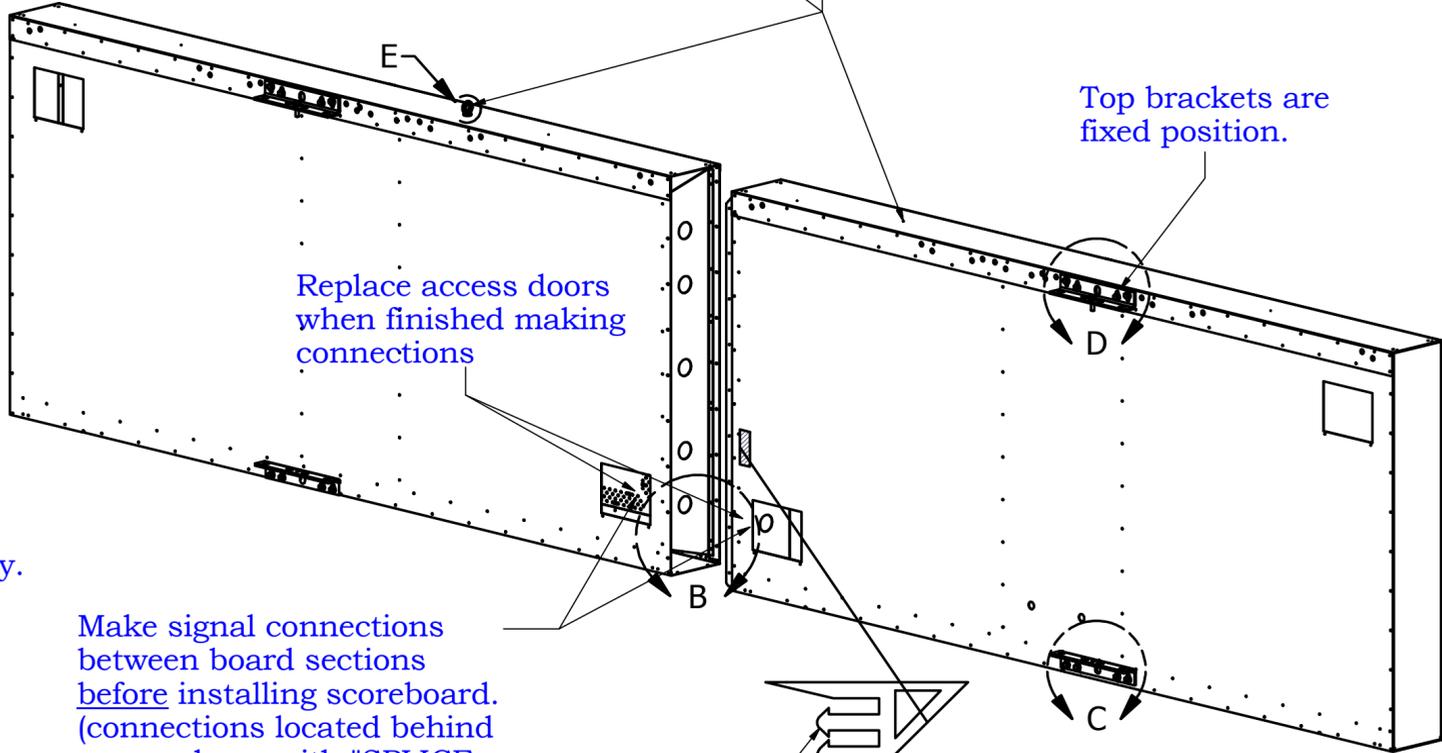


Slide bottom bracket up and tighten one bolt to hold in place



Stack up to 3 washers under eye bolt if longer than 1"

Install 3/8-16 eye bolts into top of board (lower row of cabinets 1st) for lifting. (eye bolts and washers supplied by others)

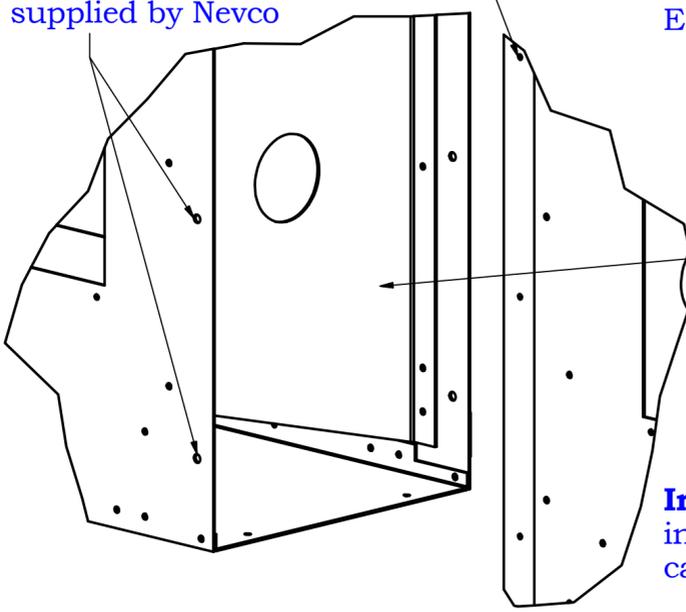


**WARNING:**  
Do not leave any screw locations empty.

Screw sections together front and back using screws supplied by Nevco

Make signal connections between board sections before installing scoreboard. (connections located behind access doors with "SPlice ENCLOSURE" label)

Secure connections to hangers located inside cabinets.



Insert extended flange into mating section (make sure both flanges of male end go to inside of female end)

**Important:** Screw sections together prior to installing board onto columns. (Upper row of cabinets and lower row of cabinets do not connect)

- Notes:
- 1) Signal connections from lower row of cabinets to upper row should be made after both rows have been installed on columns. (see sheet 4 for details)
  - 2) Make sure all bracket bolts are tight before installing scoreboard.

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Remove eye bolts from first row and install on second row

Spreader bar preferred for lifting (see installation instructions for more details)

Make power/signal connections between upper and lower rows of cabinets after board has been installed.  
 - connections located behind access doors labeled "splice enclosure"  
 - Pull cables from lower section into upper section (connections must be made and permanently located in upper section)

CABLE HANGER

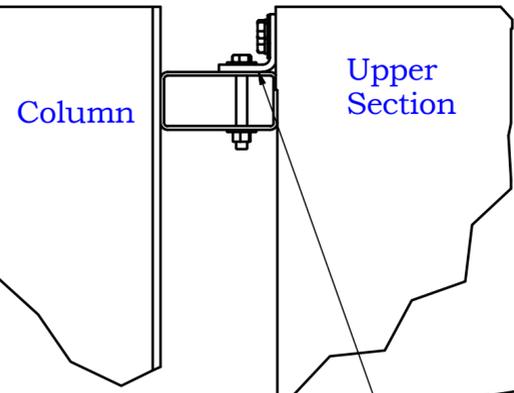
DETAIL I

**WARNING:**

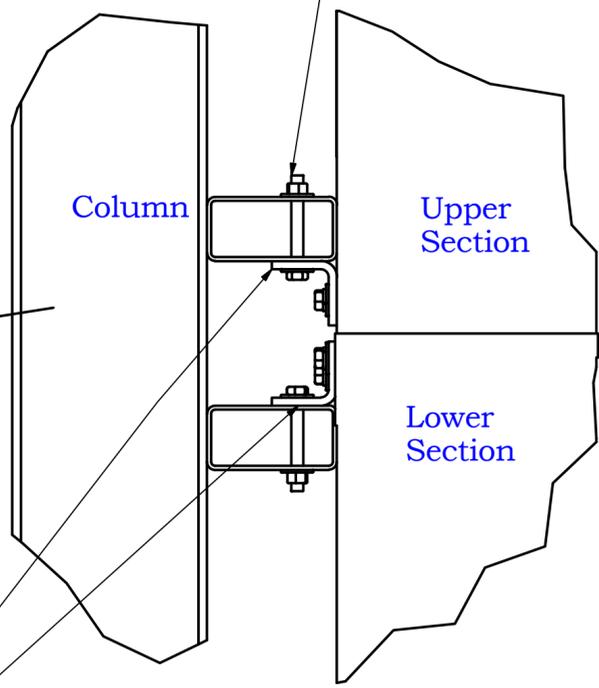
Do not lift scoreboards with any additional weight attached such as laterals or other structural components

Step 1  
Install Bottom Row

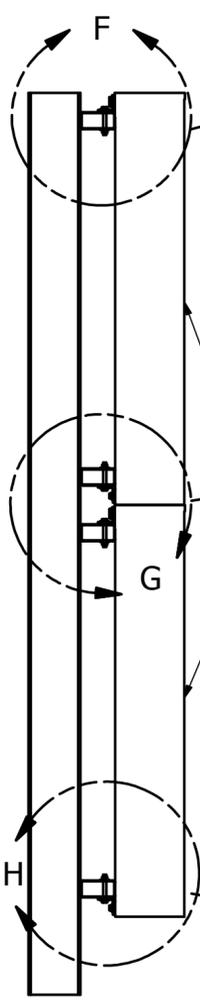
Step 2  
Install Top Row



DETAIL F



DETAIL G



DETAIL H

Weld (3/16 fillet) or Bolt brackets to laterals using 3/8 bolts, nuts, washers and lock washers supplied by others. (bolt length to be determined by installer; See lateral size required on sheet 1)

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