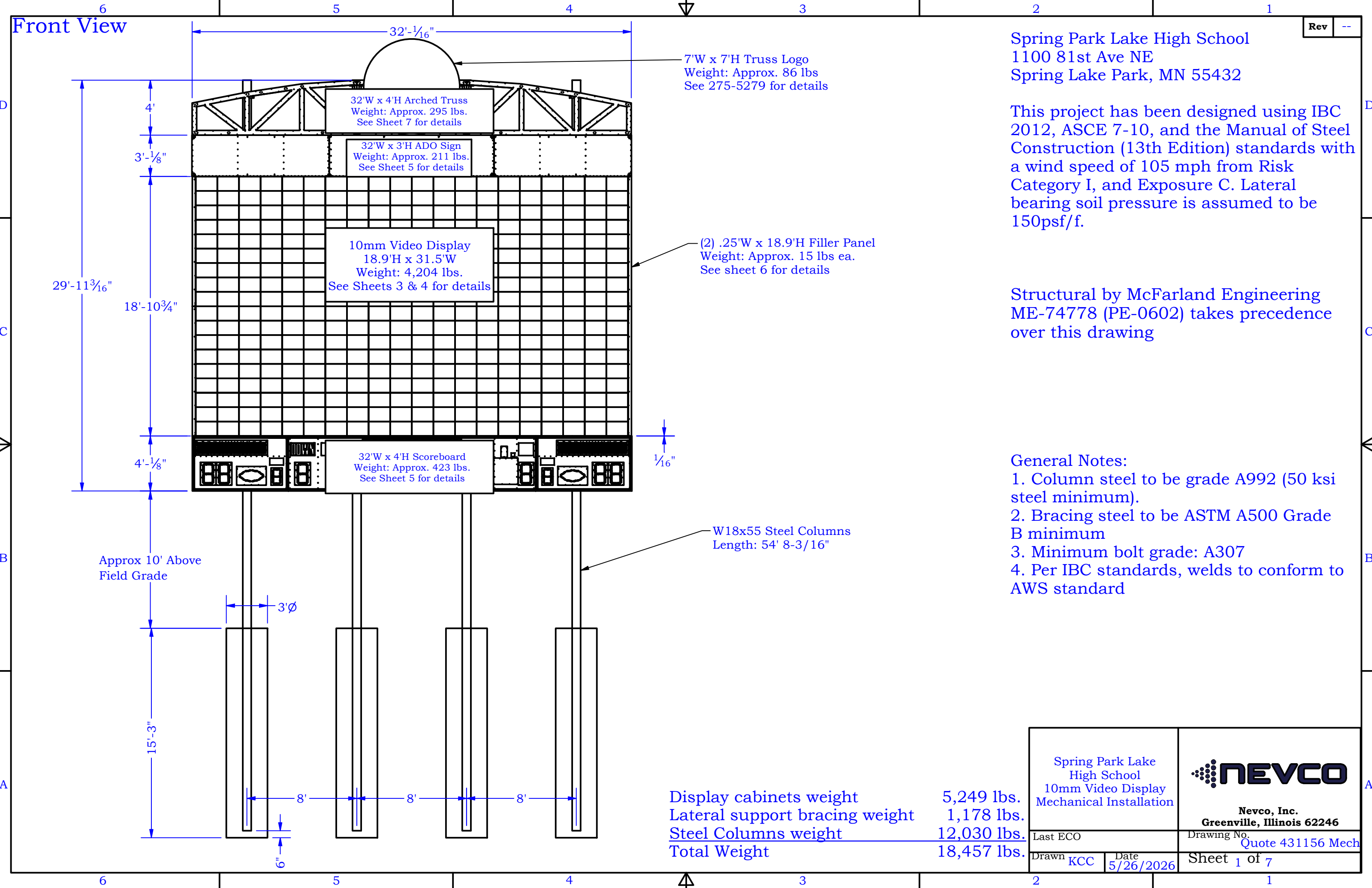




Spring Park Lake High School
1100 81st Ave NE
Spring Lake Park, MN 55432

This project has been designed using IBC 2012, ASCE 7-10, and the Manual of Steel Construction (13th Edition) standards with a wind speed of 105 mph from Risk Category I, and Exposure C. Lateral bearing soil pressure is assumed to be 150psf/f.

Structural by McFarland Engineering
ME-74778 (PE-0602) takes precedence over this drawing

- General Notes:
- 1. Column steel to be grade A992 (50 ksi steel minimum).
 - 2. Bracing steel to be ASTM A500 Grade B minimum
 - 3. Minimum bolt grade: A307
 - 4. Per IBC standards, welds to conform to AWS standard

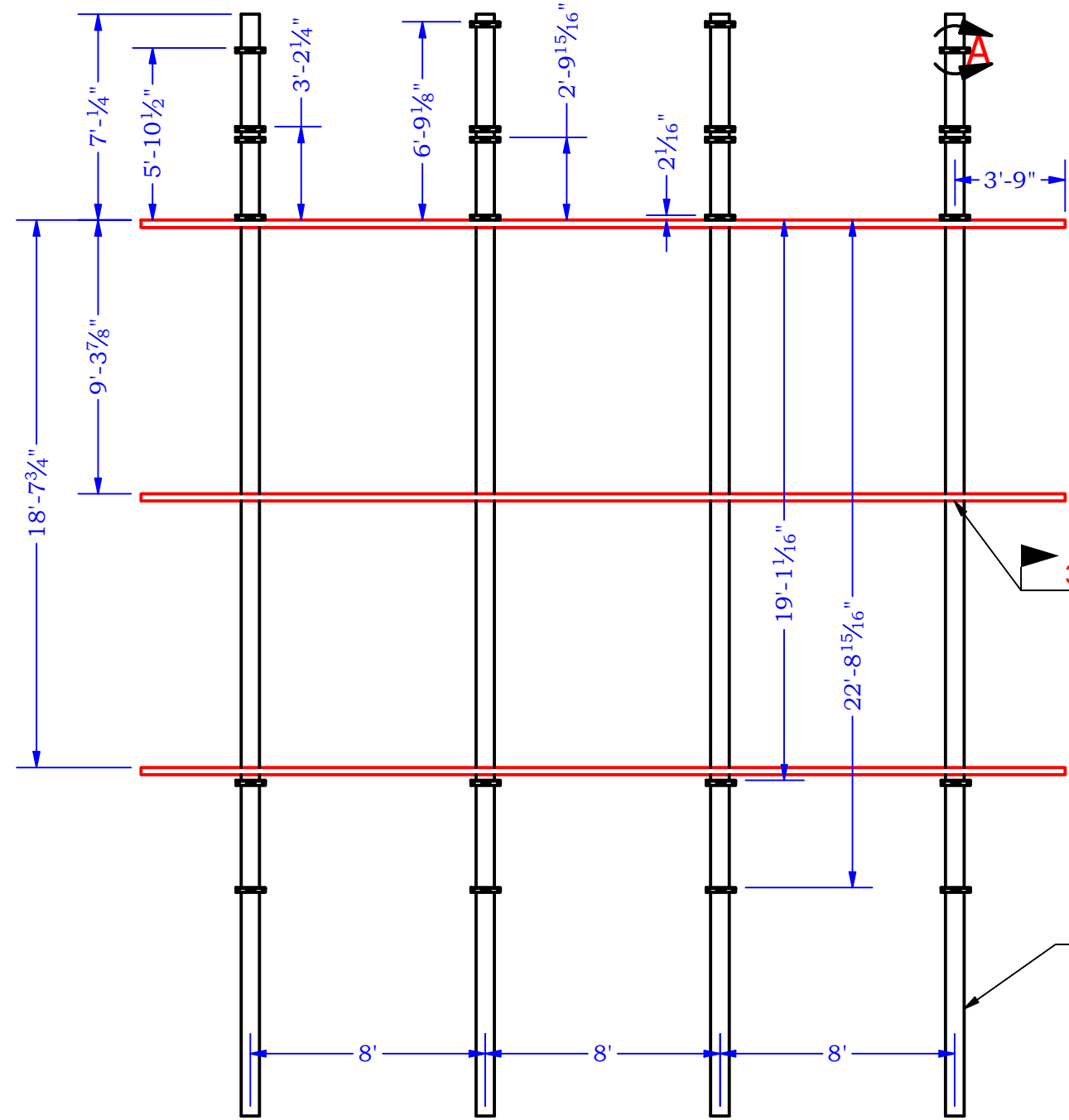
Display cabinets weight	5,249 lbs.
Lateral support bracing weight	1,178 lbs.
Steel Columns weight	12,030 lbs.
Total Weight	18,457 lbs.

Spring Park Lake High School 10mm Video Display Mechanical Installation		 Nevco, Inc. Greenville, Illinois 62246	
Last ECO		Drawing No. Quote 431156 Mech	
Drawn KCC	Date 5/26/2026	Sheet 1 of 7	

Front Lateral & Bracket Installation

* All Dimensions to TOP of laterals and brackets All Welds to AWS standards

Steel Laterals Supplied by others					Rev	--
Part	Lateral Description	Size	Length	Quantity		
A	Columns	W18x55	54' 11-3/16"	4		
B	Video Lateral	HSS 5"x3"x3/16"	31' 5-13/16"	3		
C	Bracing Lateral	HSS 2-1/2"x2-1/2"x1/8"	24' 7-1/2"	3		
	Tall Unistrut	P1000 SL Unistrut	9' 6-15/16"	20		
	Short Unistrut	P1000 SL Unistrut	9' 3-3/8"	20		



Scoreboard Bracket

W18x55 Steel Columns
Length: 54' 8-3/16"

3/16 All thick wall laterals

B

B

B

Scoreboard Bracket

C - Bracing Lateral
(Not shown at left)

C - Bracing Lateral
(Not shown at left)

C - Bracing Lateral
(Not shown at left)

Approx 10' Above
Field Grade

Note bracket
orientation

*P1000 SL Strut preferred
but P1000 T can be used

Brackets on columns
face up in all locations

Attach brackets to columns
with 3/8" bolts, nuts, and
washers or by welding
(Connection by Others)

DETAIL A

- Notes:
1. Nevco provided hardware itemized on sheet with bolt/nut/screw bags.
 2. Mark shortest column, then level across to other
 3. Provide a protective coating to minimize corrosion for all steel members exposed to weather, moisture, or soil.

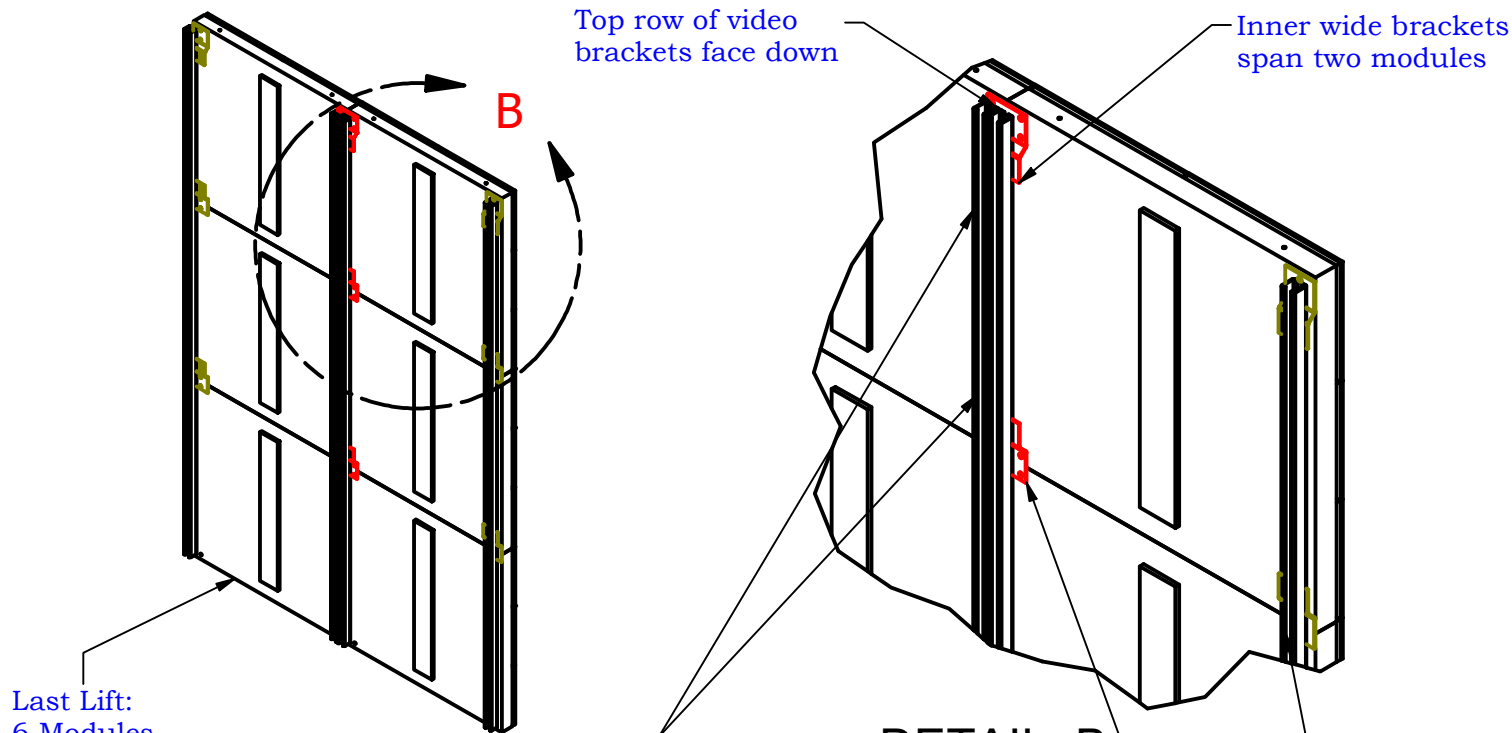
Spring Lake Park High School 10mm Video Display Mechanical Installation		 Nevco, Inc. Greenville, Illinois 62246	
Last ECO		Drawing No.	
Drawn KCC		Date 5/26/2026	
		Quote 431156 Mech	
		Sheet 2 of 7	

Front View

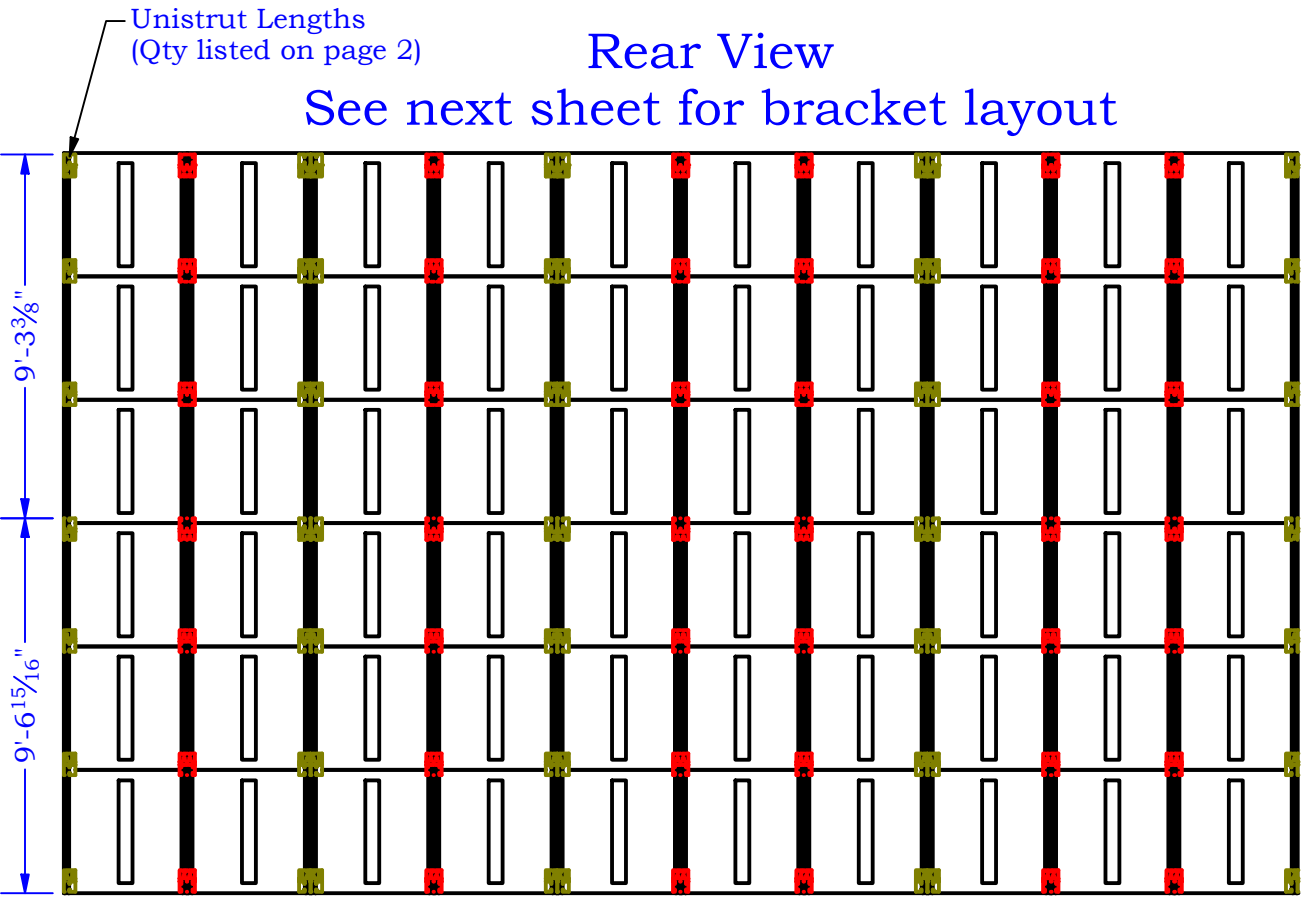
Side View

Video Display Installation

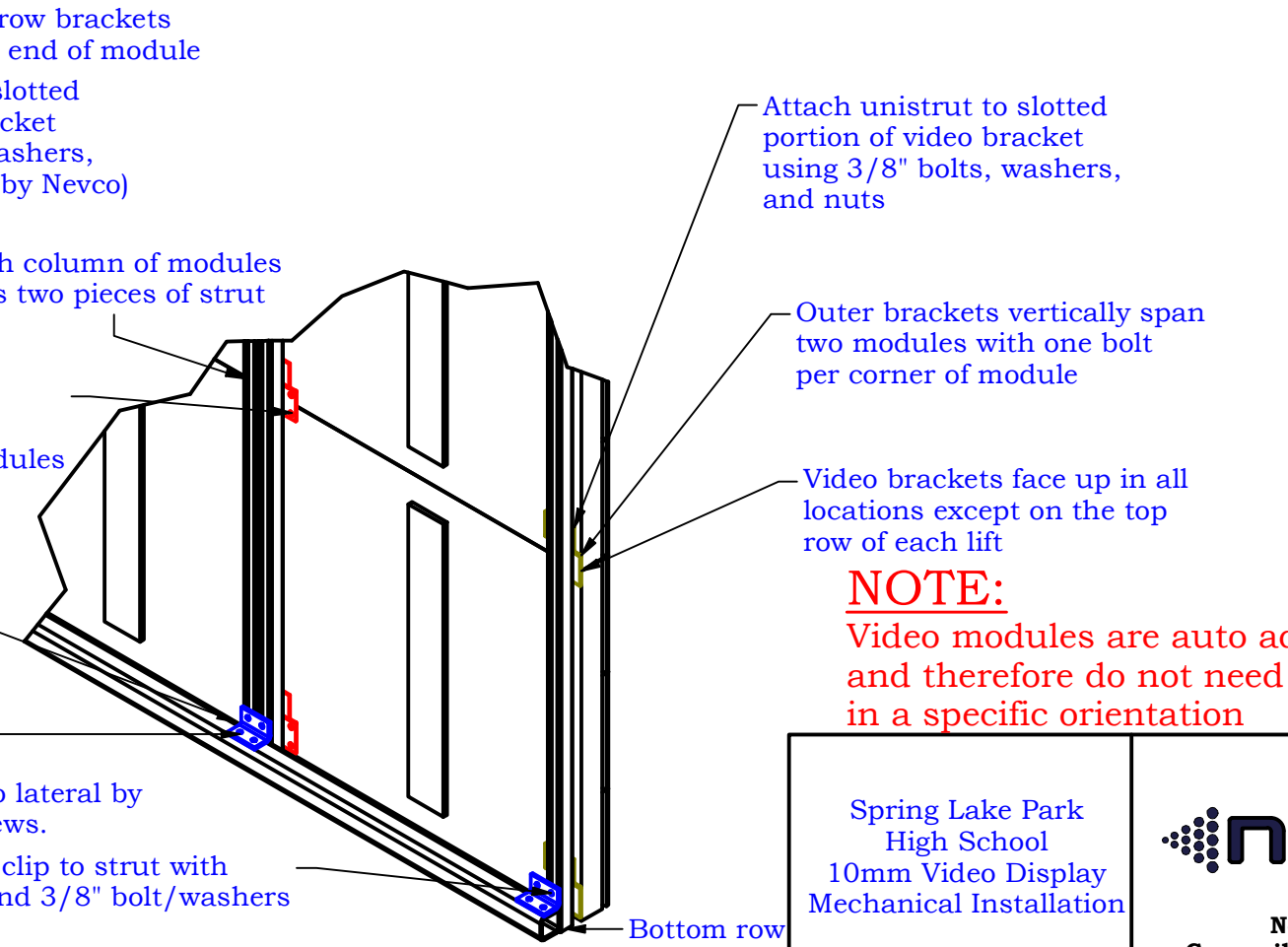
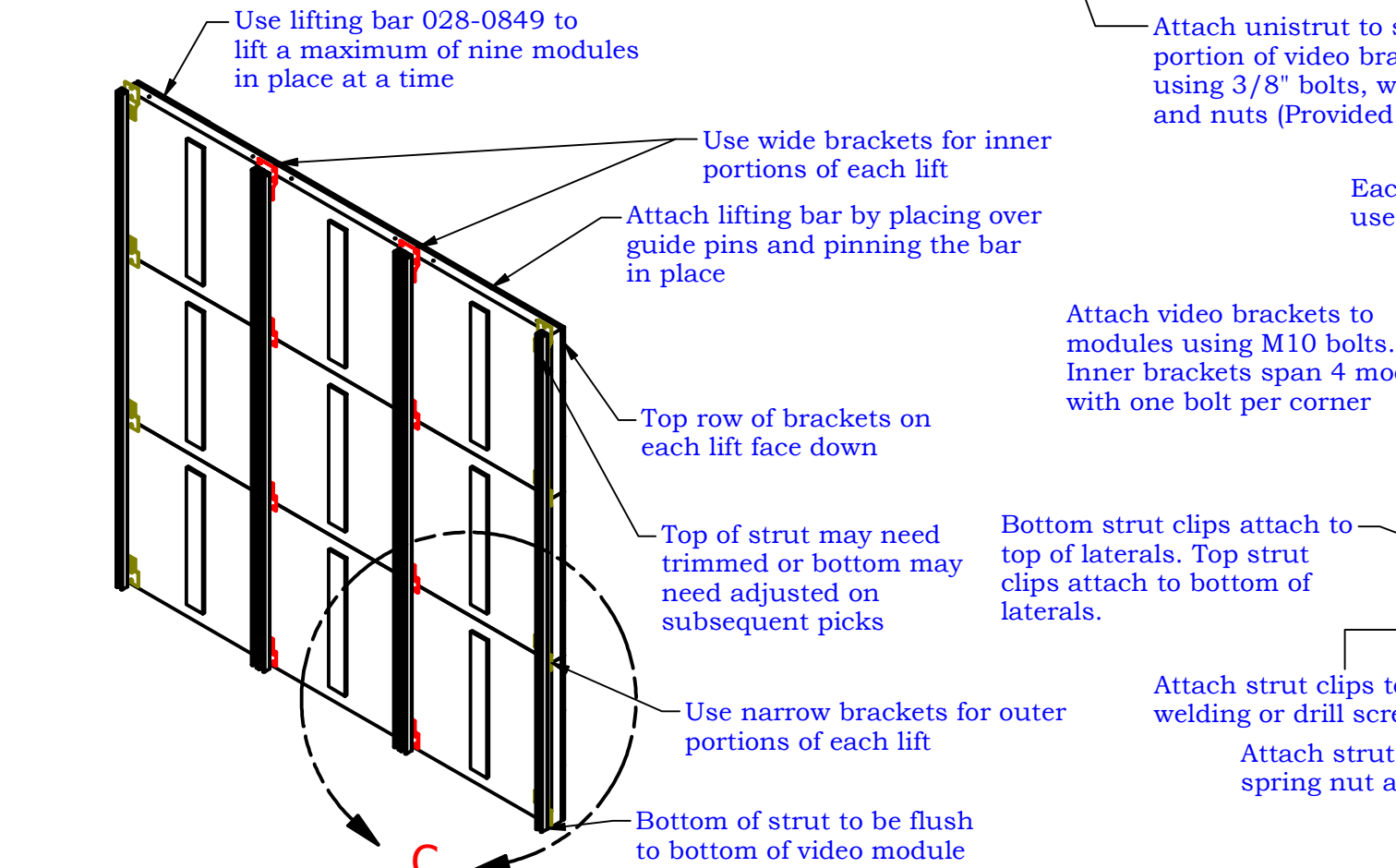
Rev



Bolt modules together through frames in 2 places top and bottom using 3/8" x 2" bolts, nuts, washers and lock washers (Provided by Nevco)



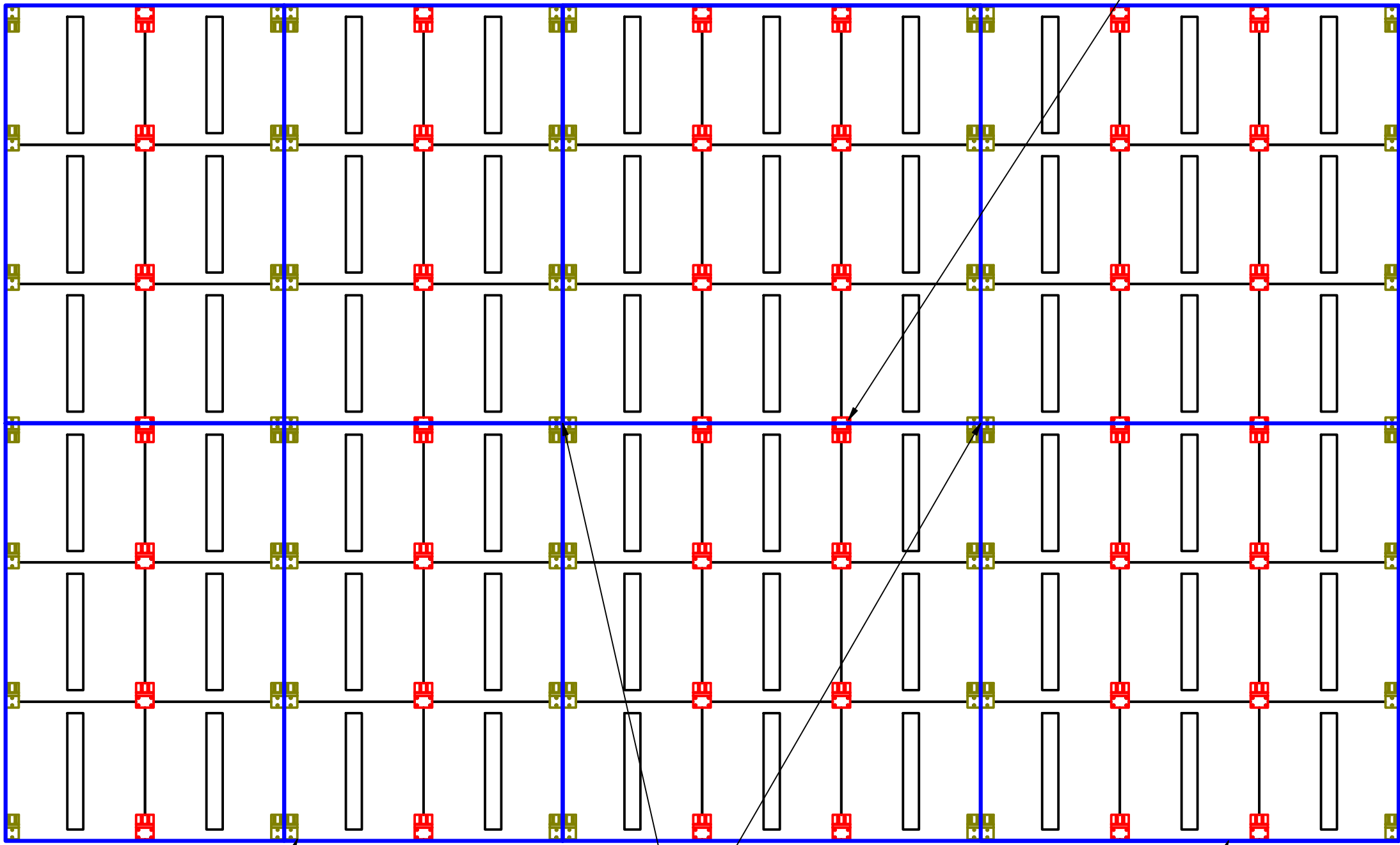
Rear View



NOTE:
Video modules are auto addressing and therefore do not need to be installed in a specific orientation

Spring Lake Park High School 10mm Video Display Mechanical Installation		 Nevco, Inc. Greenville, Illinois 62246	
Last ECO		Drawing No.	
Drawn KCC		Date 5/26/2026	
		Quote 431156 Mech	
		Sheet 3 of 7	

Bracket Orientation



Brackets on top of each lift face down on all rows

Top set of holes on this row of brackets is for the attachment to the bottom module on the next lift

Bottom brackets attach to modules using the bottom set of holes in the bracket.

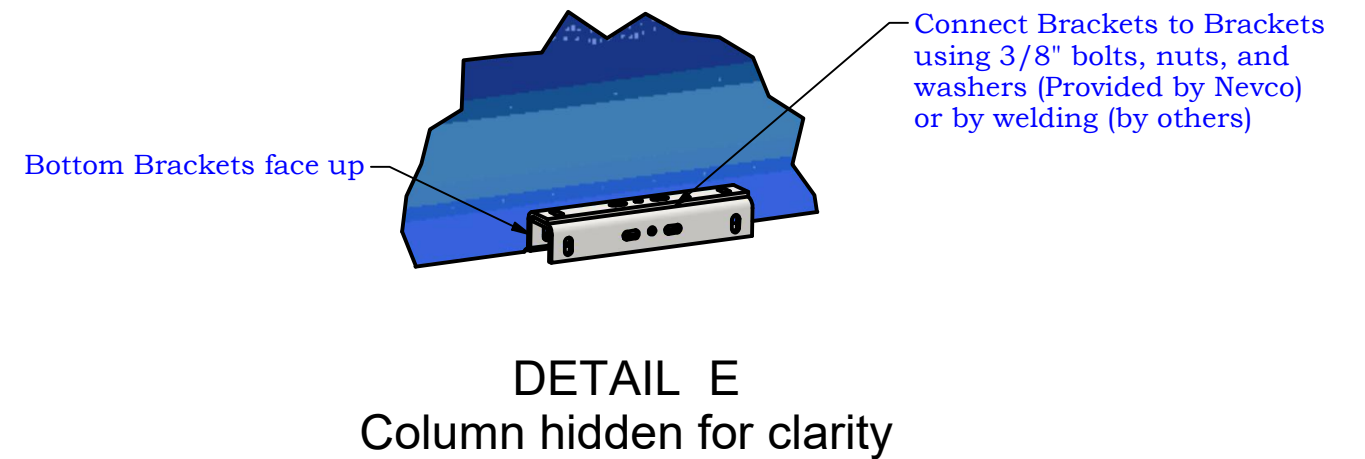
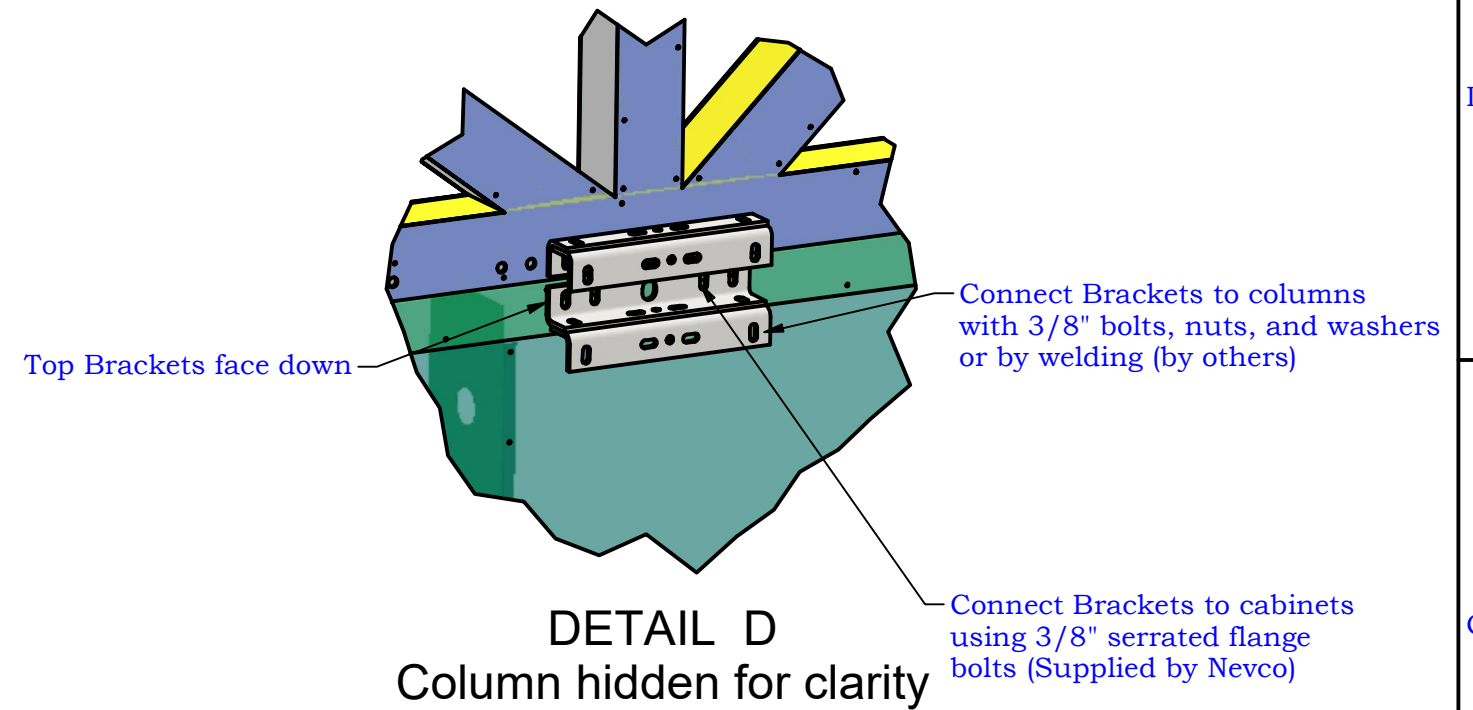
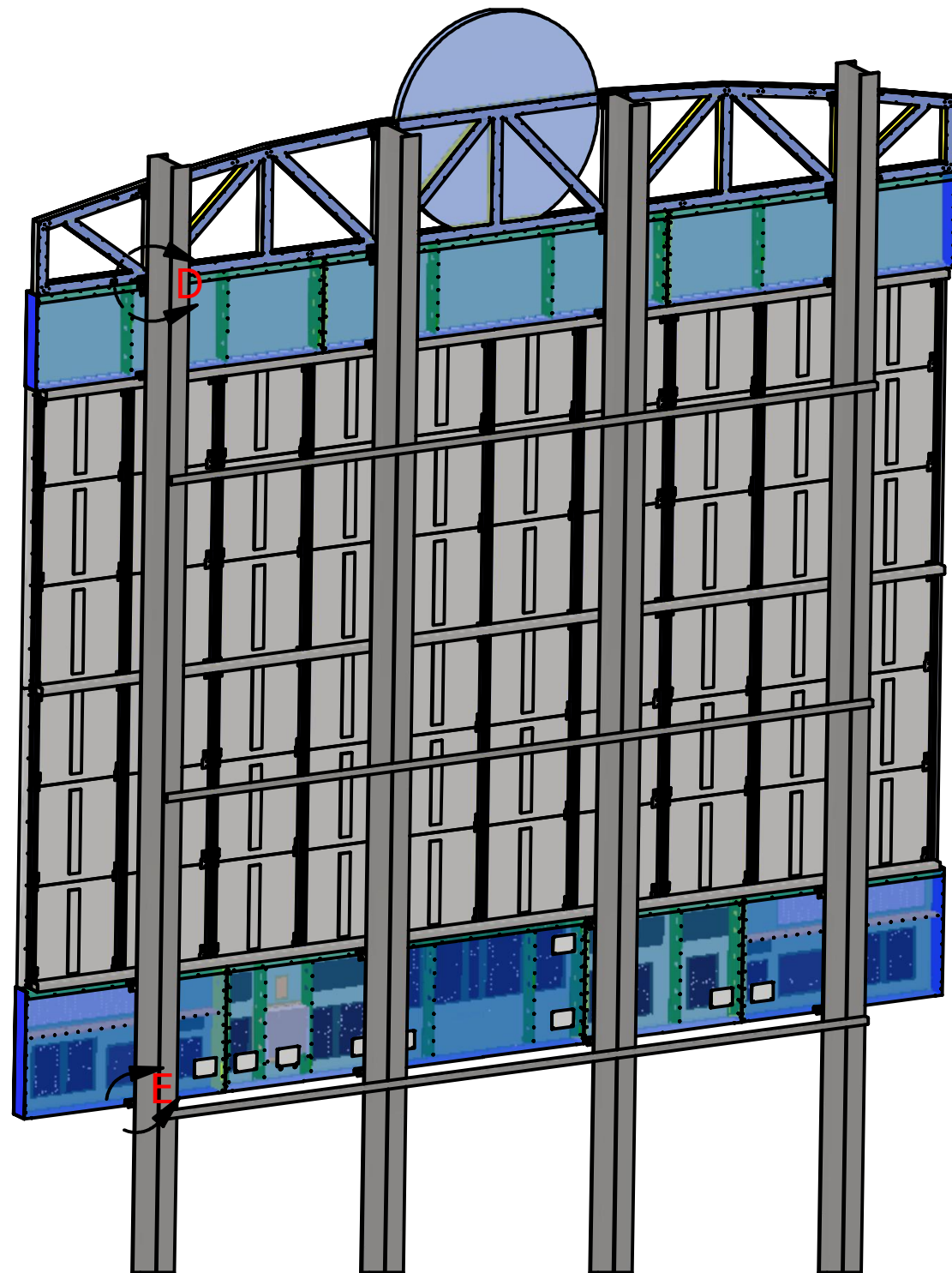
Brackets that span two groups of cabinets should be attached to bottom group before setting in place. Bolt bracket to top group of cabinets after top group of cabinets is set in place.

Each BLUE box indicates a group of cabinets that should be bolted together and picked in one section.

Spring Lake Park High School 10mm Video Display Mechanical Installation		 Neveco, Inc. Greenville, Illinois 62246
Last ECO		
Drawn KCC	Date 5/26/2026	Quote 431156 Mech
Sheet 4 of 7		

Sign/Scoreboard Installation

Rev



Spring Lake Park
High School
10mm Video Display
Mechanical Installation



Nevco, Inc.
Greenville, Illinois 62246

Last ECO

Drawing No.

Drawn

Date

KCC 5/26/2026

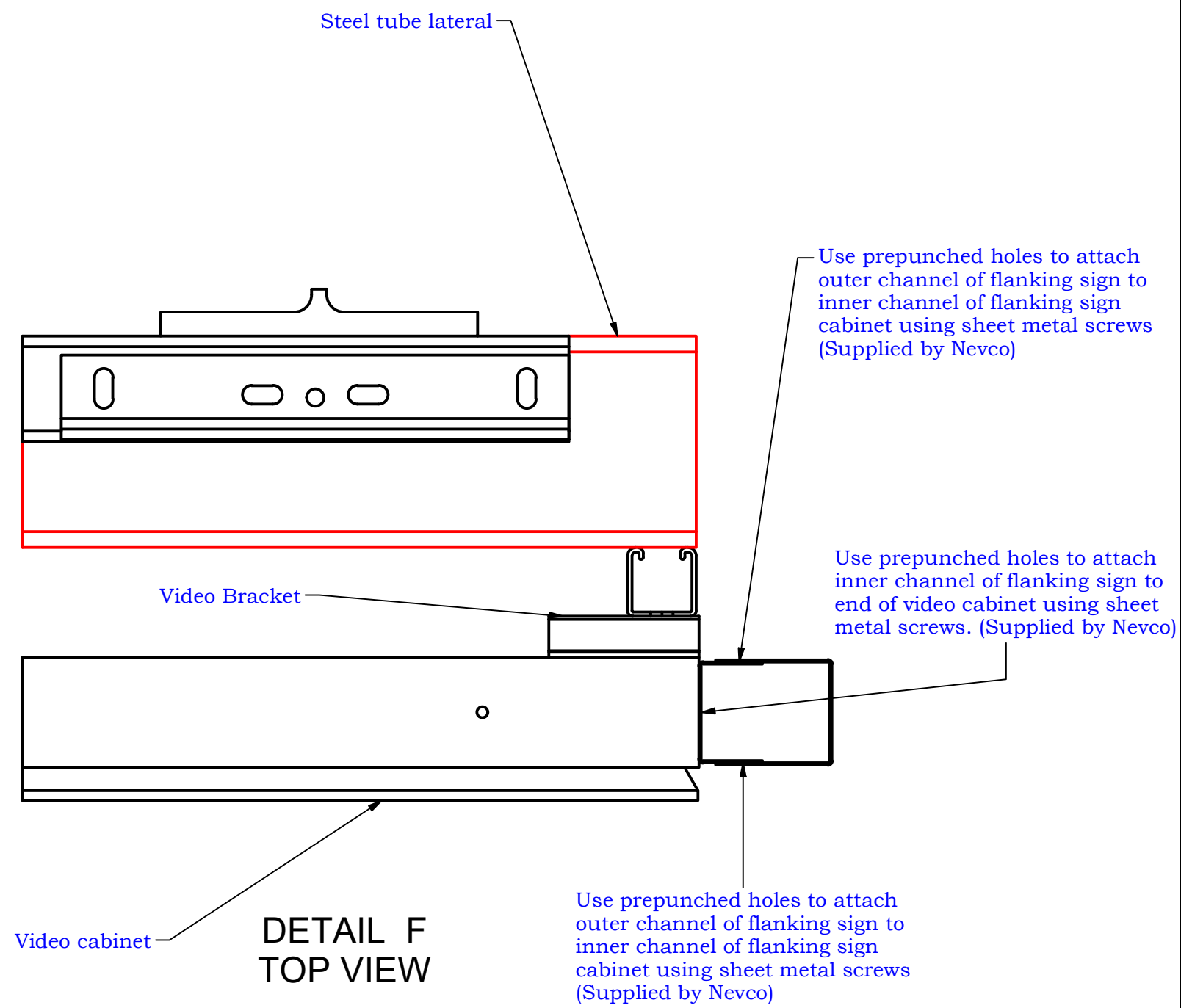
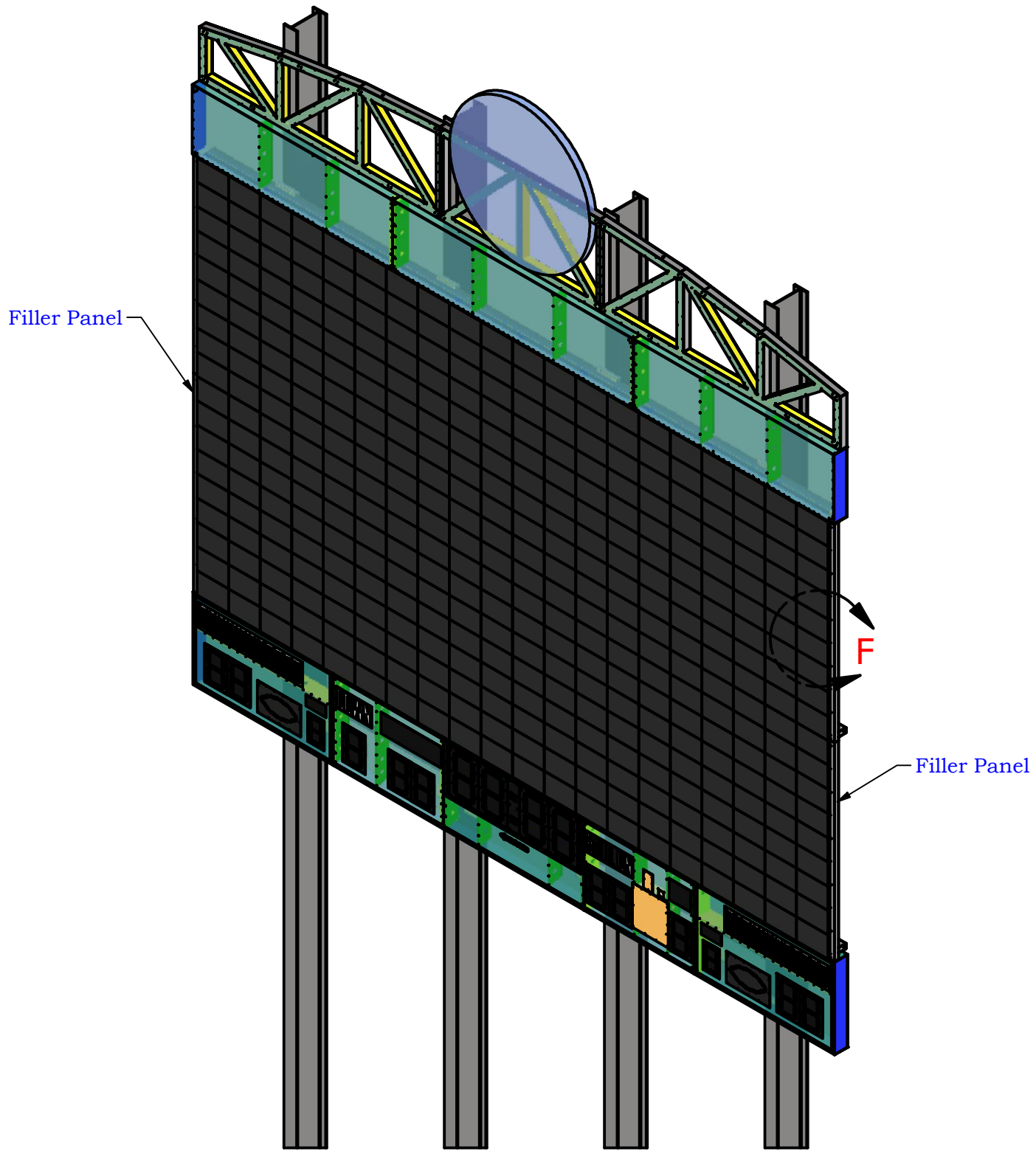
Sheet

5 of 7

Quote 431156 Mech

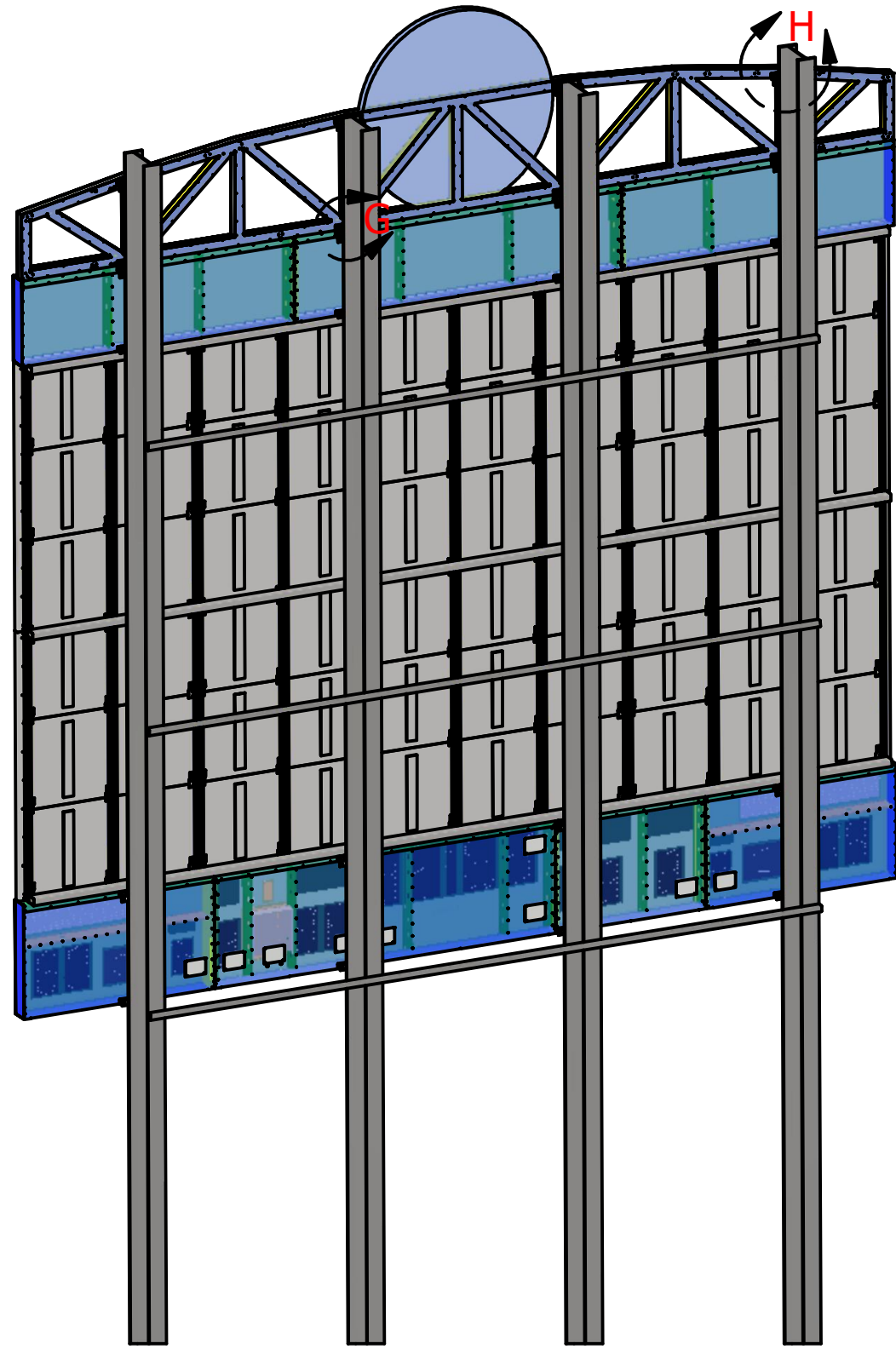
Filler Panel Installation

Rev	
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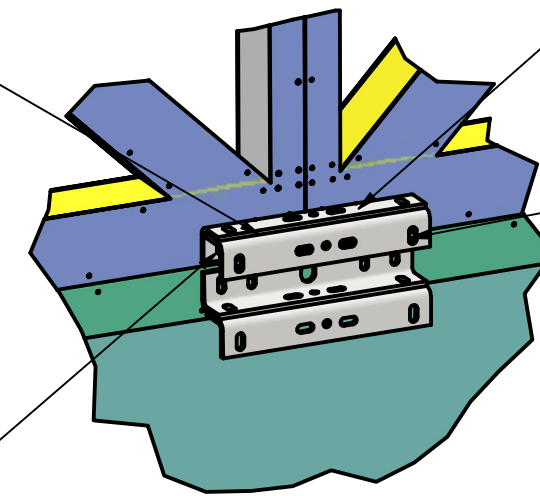
Spring Park Lake High School 10mm Video Display Mechanical Installation		 Nevco, Inc. Greenville, Illinois 62246	
Last ECO		Drawing No. Quote 431156 Mech	
Drawn KCC	Date 5/26/2026	Sheet 6 of 7	

Truss Installation
See 241-0394 for details



Connect Brackets to Brackets
using 3/8" bolts, nuts, and
washers (Provided by Nevco)
or by welding (by others)

Connect Brackets to cabinets
using 3/8" serrated flange
bolts (Supplied by Nevco)



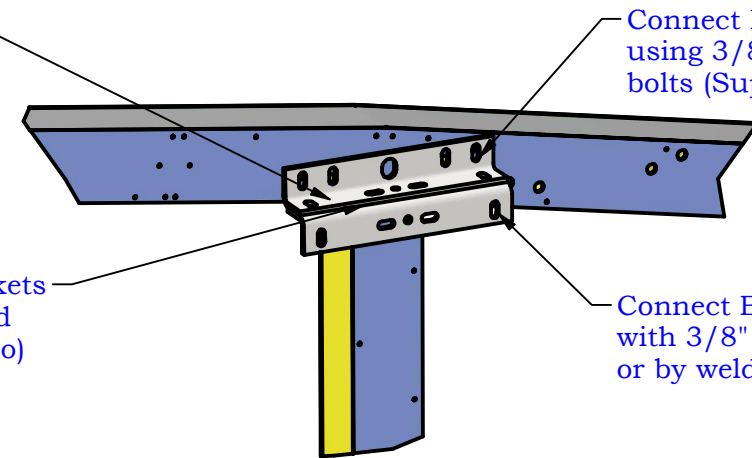
Bottom Brackets face up

Connect Brackets to columns
with 3/8" bolts, nuts, and washers
or by welding (by others)

DETAIL G
Column Hidden for Clarity

Top Brackets face down

Connect Brackets to Brackets
using 3/8" bolts, nuts, and
washers (Provided by Nevco)
or by welding (by others)



Connect Brackets to cabinets
using 3/8" serrated flange
bolts (Supplied by Nevco)

Connect Brackets to columns
with 3/8" bolts, nuts, and washers
or by welding (by others)

DETAIL H
Column Hidden for Clarity

Spring Lake Park
High School
10mm Video Display
Mechanical Installation



Nevco, Inc.
Greenville, Illinois 62246

Last ECO

Drawing No.

Quote 431156 Mech

Drawn

KCC

Date

5/26/2026

Sheet

7 of 7