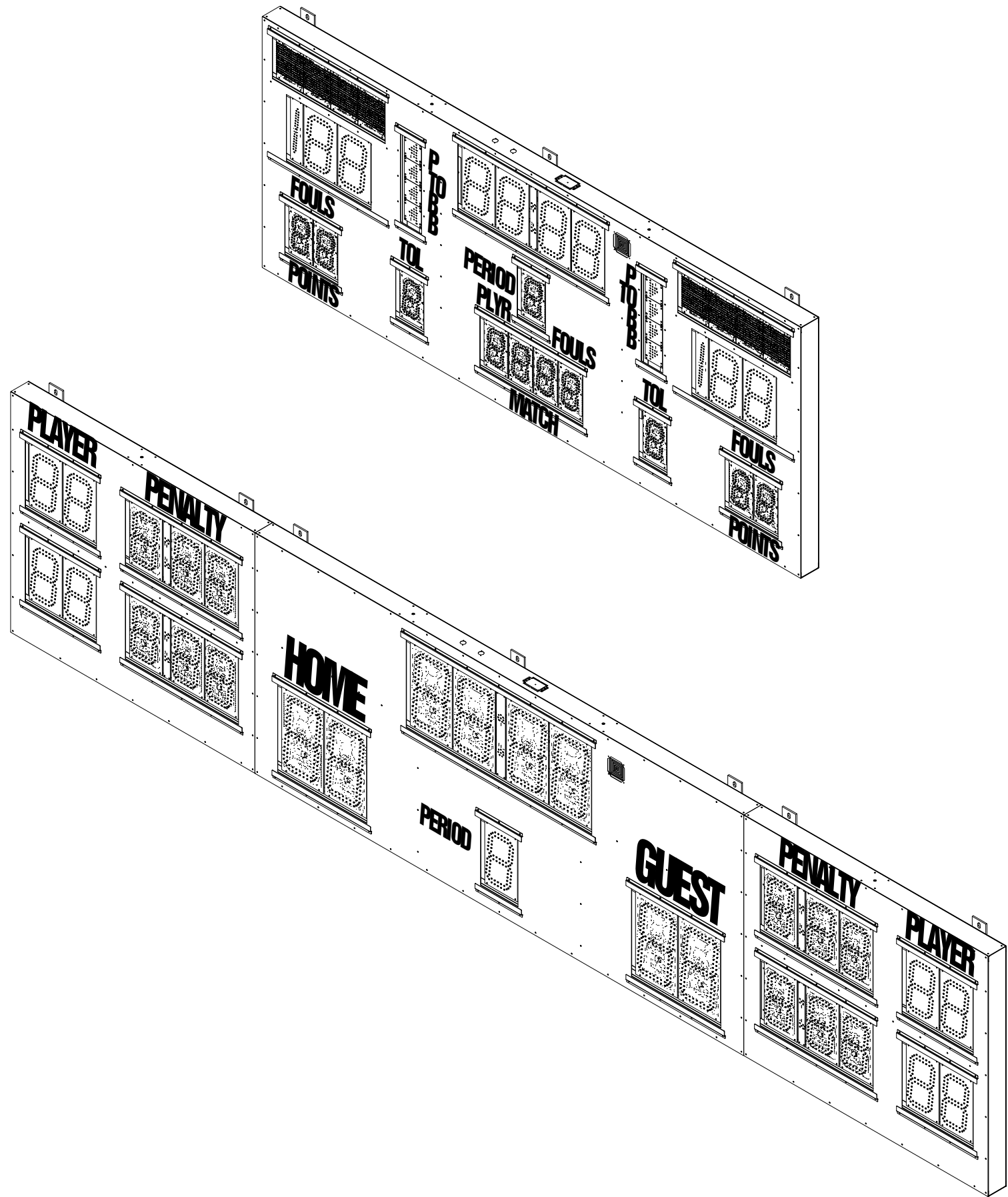




OES INSTALLATION DRAWINGS

INDOOR SCOREBOARDS

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- GENERAL NOTES:**
1. THIS PACKAGE CONTAINS GENERIC INSTRUCTIONS FOR COMMON INDOOR LIFTING AND MOUNTING METHODS. THESE INSTRUCTIONS MAY NOT BE APPROPRIATE FOR ALL INSTALL CONDITIONS. OES RECOMMENDS THAT YOU CONTACT A PROFESSIONAL STRUCTURAL ENGINEER TO VALIDATE YOUR PLANNED INSTALL METHOD AND HARDWARE FOR YOUR FACILITY PRIOR TO INSTALLATION.
 2. ALL SCOREBOARD INSTALLATIONS MUST BE PERFORMED BY QUALIFIED PERSONS WITH APPROPRIATE CERTIFICATIONS TO PERFORM THE WORK. THE INSTALLER IS RESPONSIBLE FOR USING APPROPRIATELY RATED EQUIPMENT AND HARDWARE.
 3. HARDWARE TYPICALLY PROVIDED BY OES IS LISTED IN EACH INSTALL DRAWING. ADDITIONAL INSTALL HARDWARE MAY BE AVAILABLE ON REQUEST. CONTACT OES FOR MORE INFORMATION.
 4. FOR SCOREBOARD-SPECIFIC INFORMATION (WEIGHT, POWER REQUIREMENTS, ETC.), REFERENCE THE SCOREBOARD INFO DRAWING.
 5. FOR CUSTOM INSTALL OPTIONS NOT COVERED IN THIS PACKAGE, CONTACT OES.

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	2021-11-30	RD

PART NUMBER:

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Fractional ± 1/16"
Two Place Decimals ± 0.02"
Three Place Decimals ± 0.005"
Four Place Decimals ± 0.0005"
Angular 30°

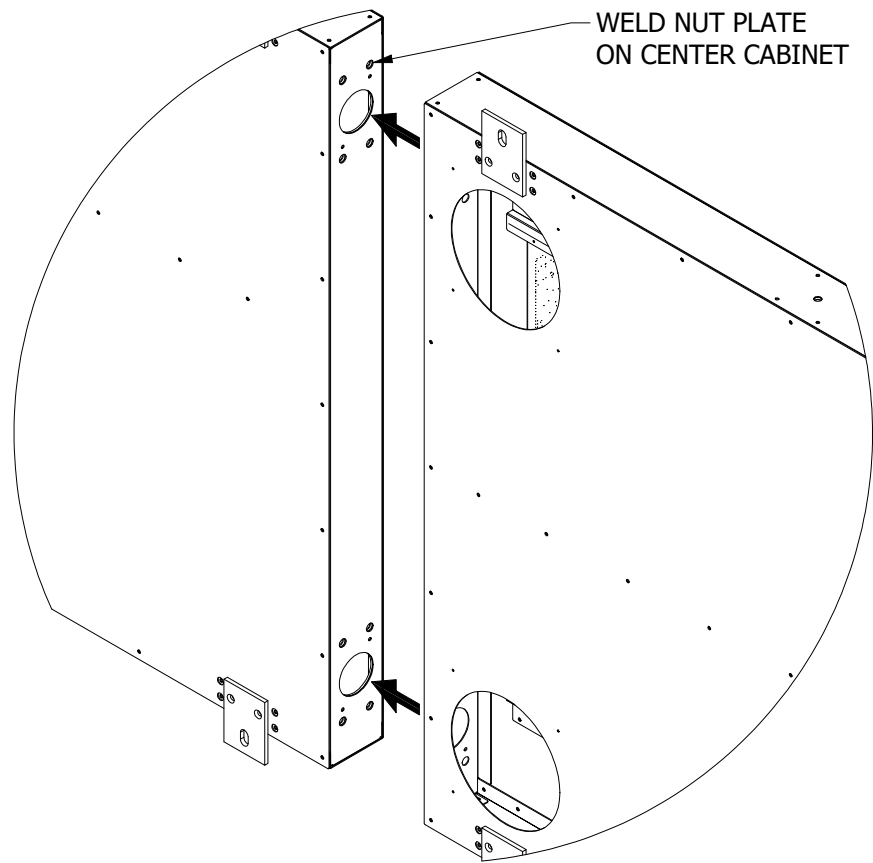
THIRD ANGLE PROJECTION

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London, ON, N6L 1P7
Tel: (519) 652-5833
Fax: (519) 652-3795
Email: oes@oes-inc.com

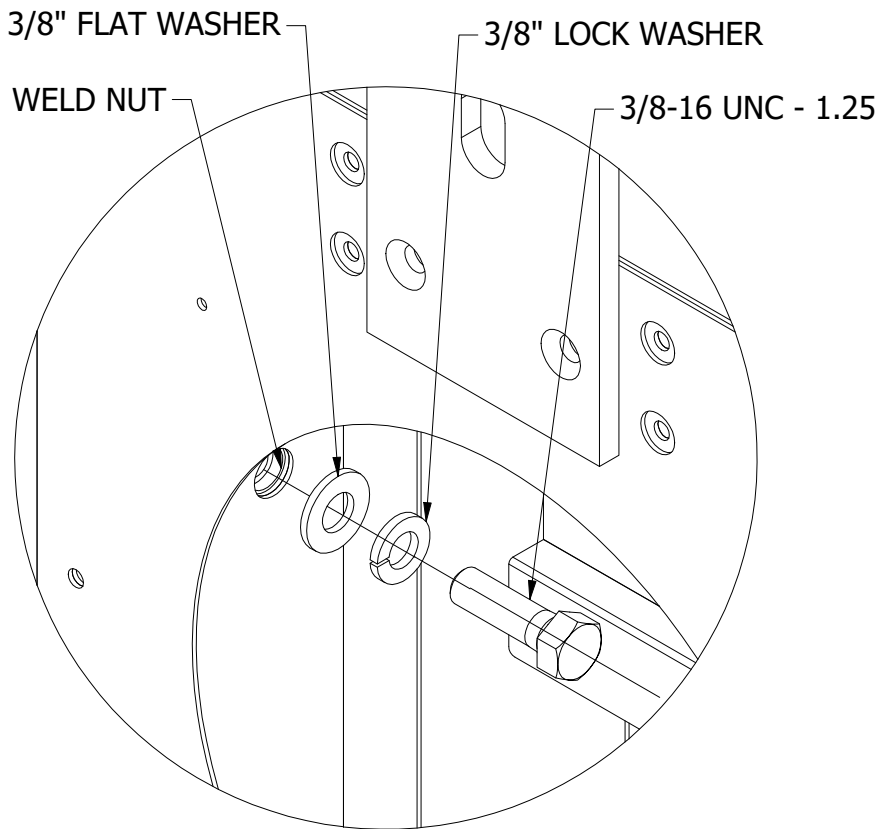
DESCRIPTION
INSTALL DRAWINGS - INDOOR
OES ELECTRONIC SCOREBOARDS

SIZE	FILENAME	INIT DRAWING DATE	REV
B	Installation Drawings - Indoor.idw	2021-11-12	A
USAGE USE FOR CONSTRUCTION			

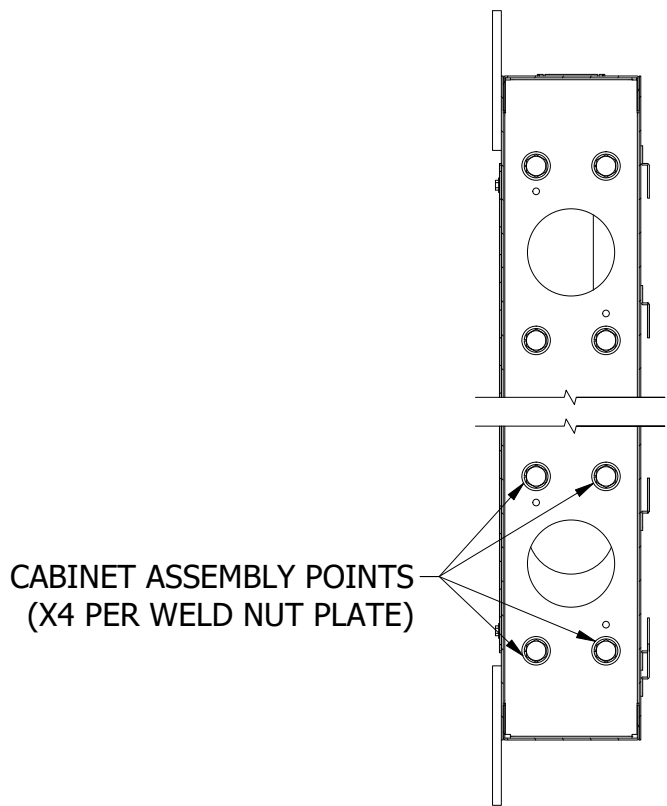
SCALE	NTS	DRAWN BY	rdonald	PAGE	1 OF 12
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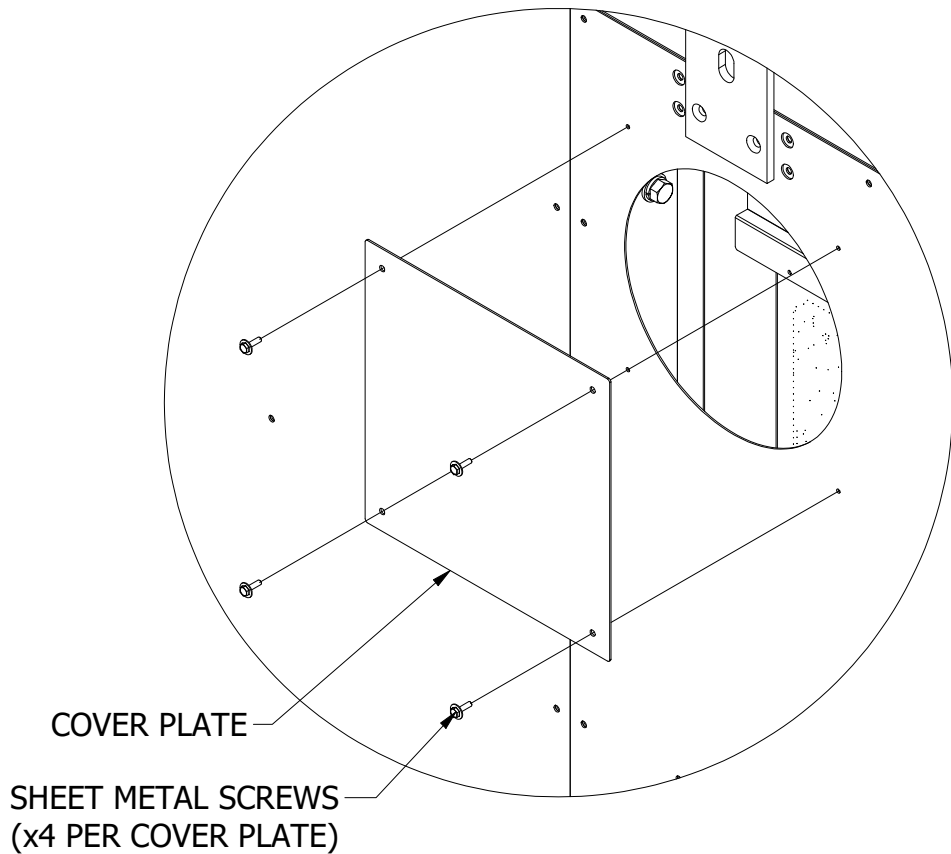
STEP 1: ALIGN CABINETS



STEP 2: ASSEMBLE CABINETS AT WELD NUT PLATE



STEP 3: REPEAT FOR ALL WELD NUT PLATE LOCATIONS



STEP 4: ATTACH COVER PLATES

INSTALLATION INSTRUCTIONS CABINET ASSEMBLY - INDOOR SCOREBOARDS:

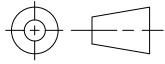
CABINET ASSEMBLY MAY BE REQUIRED ON INDOOR SCOREBOARDS THAT ARE MULTIPLE CABINETS WIDE. SCOREBOARDS CAN BE SHIPPED WITH CABINETS PRE-ATTACHED UPON REQUEST. CONTACT OES FOR DETAILS.

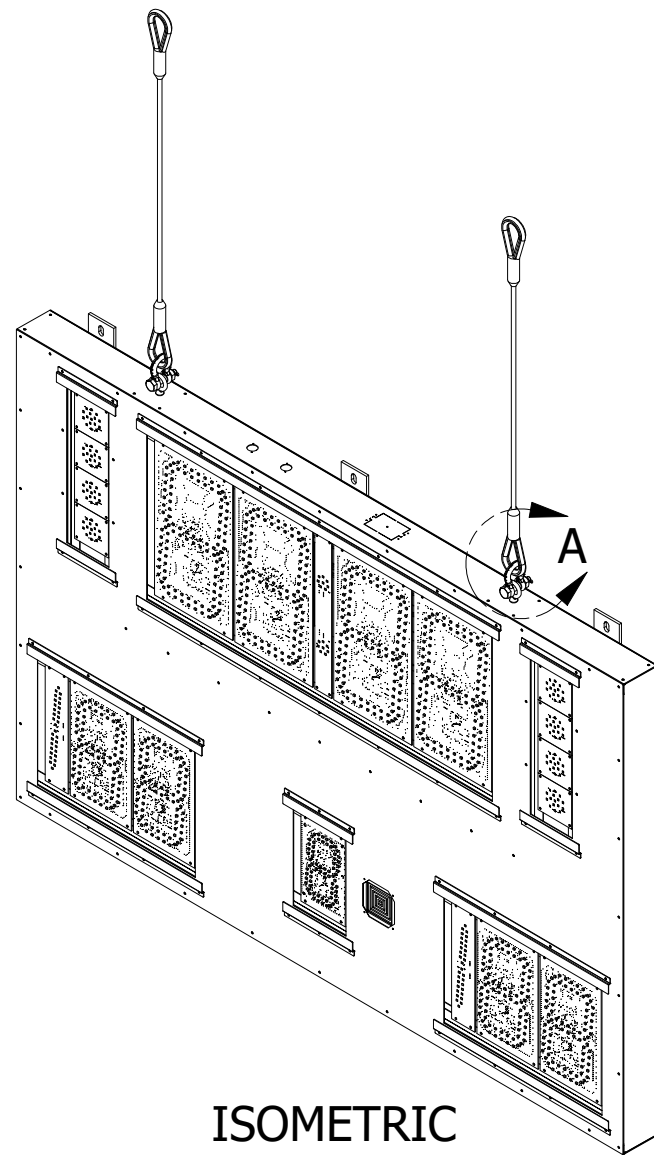
1. ALIGN CABINETS WITH EACH OTHER. CENTER CABINET WELD NUT PLATES SHOULD BE ALIGNED WITH THE CORRESPONDING HOLES ON THE OUTER CABINETS.
2. ATTACH THE CABINETS. USE THE PROVIDED 3/8" HARDWARE (FLAT WASHER, LOCK WASHER, AND 1.25" BOLT). REPEAT FOR ALL FOUR HOLES ON THE WELD NUT PLATE.
3. REPEAT THE PROCESS FOR ALL CABINETS. ATTACH AT ALL PROVIDED HOLE LOCATIONS. THERE MAY BE MULTIPLE WELD NUT PLATES PER SIDE.
4. COVER ALL ACCESS HOLES USING PROVIDED COVER PLATES AND SHEET METAL SCREWS.

3/8" ASSEMBLY HARDWARE AND COVER PLATES PROVIDED BY OES.

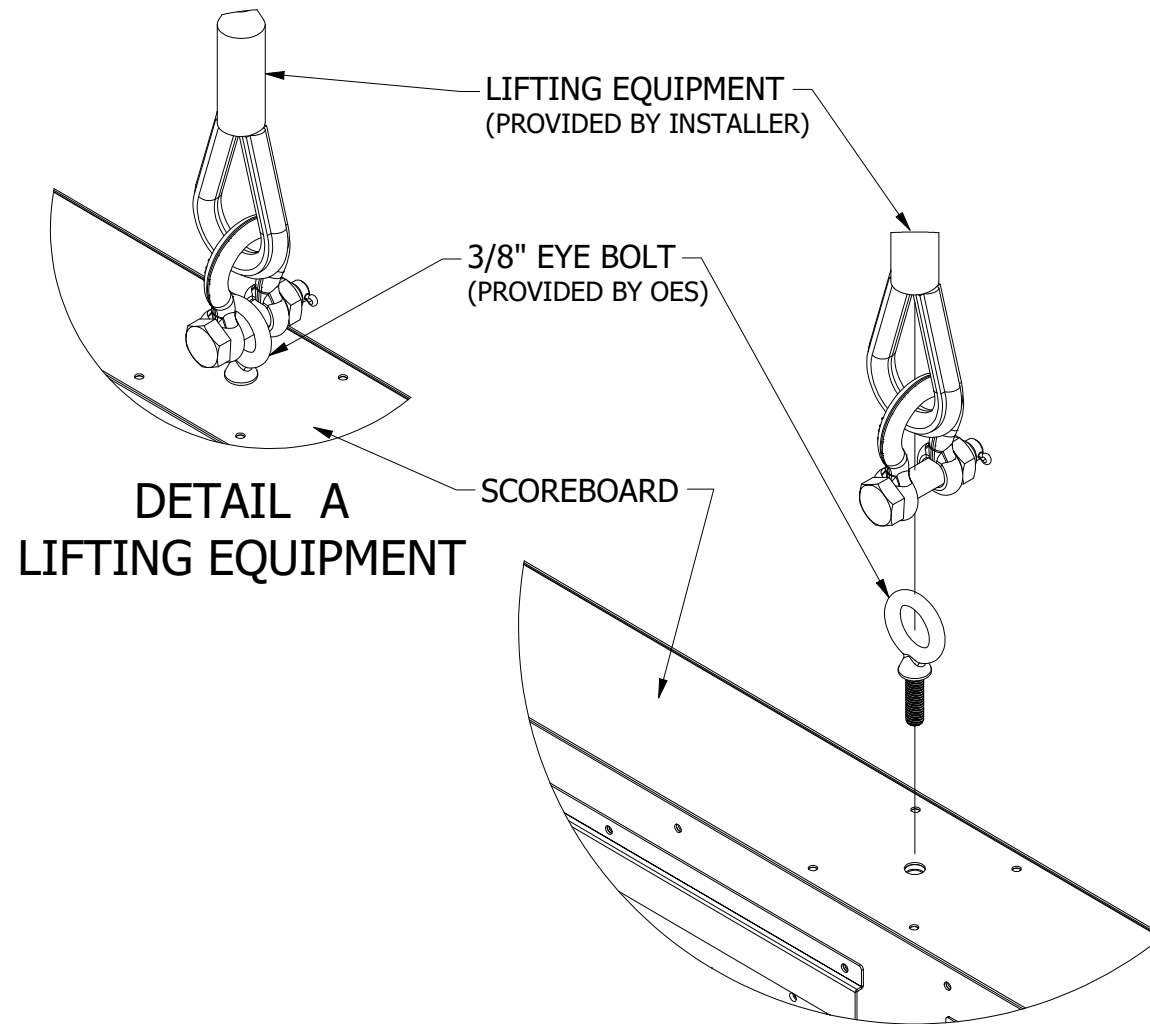
NOTES:

1. ALWAYS ASSEMBLE BEFORE LIFTING. REFERENCE THE INDOOR SCOREBOARDS LIFTING GUIDE FOR INSTRUCTIONS ON LIFTING MULTI-CABINET SCOREBOARDS.
2. DO NOT CONNECT THE SCOREBOARD TO POWER UNTIL AFTER IT IS FULLY ASSEMBLED.
3. CABINETS MUST BE ASSEMBLED USING ALL FOUR WELD NUTS AT ALL PROVIDED WELD NUT PLATES.

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TOLERANCE INFORMATION Dimensions are in inches Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0005" Angular 30°		THIRD ANGLE PROJECTION 		SIZE B	REV A
		USE FOR CONSTRUCTION		SCALE NTS	PAGE 2 OF 12
		DRAWN BY rdonald			

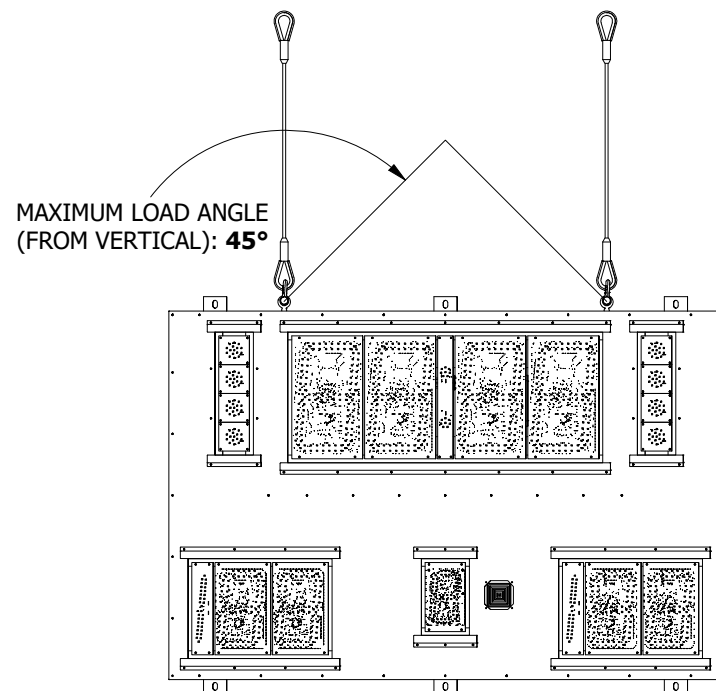


ISOMETRIC

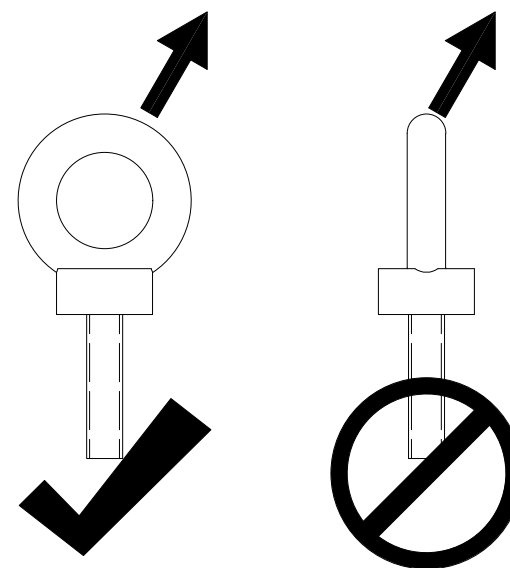


DETAIL A
LIFTING EQUIPMENT

LIFTING EQUIPMENT - EXPLODED VIEW



FRONT



EYE BOLT DETAIL

LIFTING INDOOR SCOREBOARDS WALL-MOUNT

1. SCREW EYE BOLTS INTO LIFTING PLATES ALONG THE TOP FACE OF THE SCOREBOARD. TWO EYE BOLTS ARE PROVIDED.

2. ATTACH EYE BOLTS TO APPROPRIATE LIFTING EQUIPMENT (SLINGS, CHAINS, LIFTING BAR, ETC.) ENSURE LIFTING EQUIPMENT IS OF APPROPRIATE RATING FOR THE SCOREBOARD.

3. LIFT THE SCOREBOARD INTO POSITION. CHECK THAT THE SCOREBOARD IS LEVEL BEFORE MOUNTING TO THE WALL. REFERENCE THE STANDARD WALL-MOUNT INSTRUCTIONS FOR MORE INFORMATION ON MOUNTING THE SCOREBOARD.

SEE PAGE 4 FOR INFO ON WIDER, MULTI-CABINET SCOREBOARDS.

TWO 3/8" EYE BOLTS FOR LIFTING ARE SHIPPED WITH THE ENCLOSURE. LIFTING EQUIPMENT TO BE PROVIDED BY THE INSTALLER.

IMPORTANT NOTES:

1. DO NOT PERMANENTLY SUSPEND THE SCOREBOARD USING THE LIFTING EYE BOLTS THREADED INTO THE TOP OF THE SCOREBOARD. A HANGING KIT CAN BE PURCHASED TO PERMANENTLY SUSPEND THE SCOREBOARD.

2. KEEP SCOREBOARD LEVEL AT ALL TIMES WHEN LIFTING. LIFT SMOOTHLY, WITHOUT SUDDEN MOVEMENTS OF THE SCOREBOARD.

3. THE INSTALLER IS RESPONSIBLE FOR ENSURING ALL LIFTING EQUIPMENT IS RATED APPROPRIATELY FOR THE SCOREBOARD WEIGHT.

4. ALL EYE BOLTS TO BE LOADED IN THE PURE VERTICAL DIRECTION IF POSSIBLE. EYE BOLT LOAD ANGLE MUST NEVER EXCEED 45° FROM VERTICAL IN ANY CASE. NEVER LOAD EYE BOLTS OUT OF PLANE (SEE EYE BOLT DETAIL).

5. IF SCOREBOARD HAS ADDITIONAL ATTACHED COMPONENTS (AD PANELS, ETC.), CONSULT OES TO CONFIRM THAT TOTAL WEIGHT IS WITHIN THE LOAD LIMIT OF THE EYE BOLTS.

6. TWO LIFTING POINTS MUST BE USED TO LIFT THE SCOREBOARD INTO POSITION. THE LOCATION OF THE LIFTING POINTS VARIES BY SCOREBOARD.

7. THIS LIFTING METHOD IS APPLICABLE FOR DIRECT WALL-MOUNT SCOREBOARDS. IF SCOREBOARD IS CORNER-MOUNTED, REFERENCE CORNER-MOUNT INSTRUCTIONS FOR MORE DETAIL ON LIFTING.

PART NUMBER:

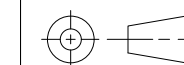
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Angular $30'$

THIRD ANGLE
PROJECTION



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Email: oes@oes-inc.com

DESCRIPTION

INSTALL DRAWINGS - INDOOR
OES ELECTRONIC SCOREBOARDS

SIZE	FILENAME	INIT DRAWING DATE	REV
B	Installation Drawings - Indoor.idw	2021-11-12	A
USE FOR CONSTRUCTION			
SCALE	NTS	DRAWN BY	rdonald
		PAGE	3 OF 12

LIFTING INDOOR SCOREBOARDS
WALL-MOUNT - MULTI-CABINET

NOTE: MULTI-CABINET INSTRUCTIONS DO NOT APPLY FOR BASKETBALL STAT BOARDS, WHICH ARE LIFTED SEPARATELY FROM THE MAIN SCOREBOARD.

1. ATTACH OUTER CABINETS IF NEEDED. SEE "CABINET ASSEMBLY" DOCUMENT FOR DETAIL.
2. LIFT THE SCOREBOARD USING ONE OF THE FOLLOWING METHODS:

OPTION A: LIFTING USING INNER LIFT POINTS

1. ATTACH LIFTING EYE BOLTS TO THE INNER SET OF LIFT POINTS (ON THE MIDDLE CABINET).
2. LIFT THE SCOREBOARD INTO POSITION.
3. CHECK THAT THE SCOREBOARD IS LEVEL, AND MOUNT TO THE WALL.

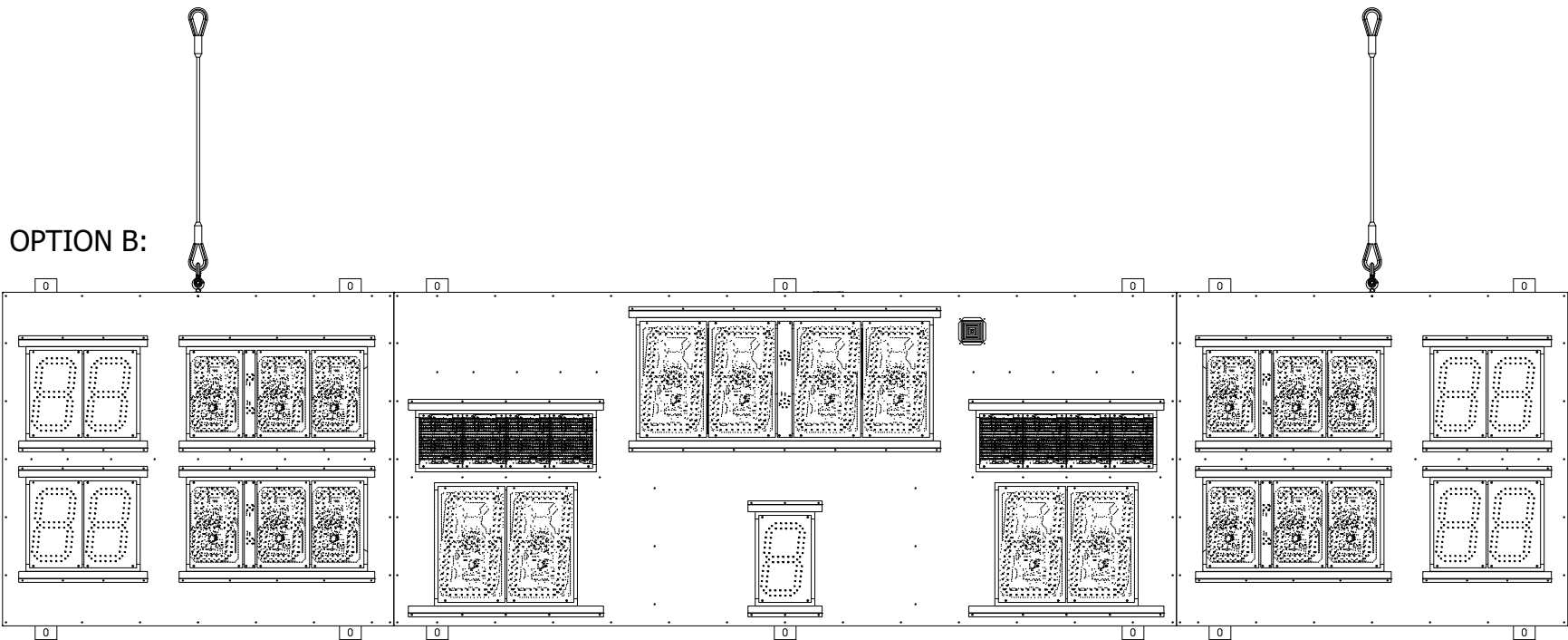
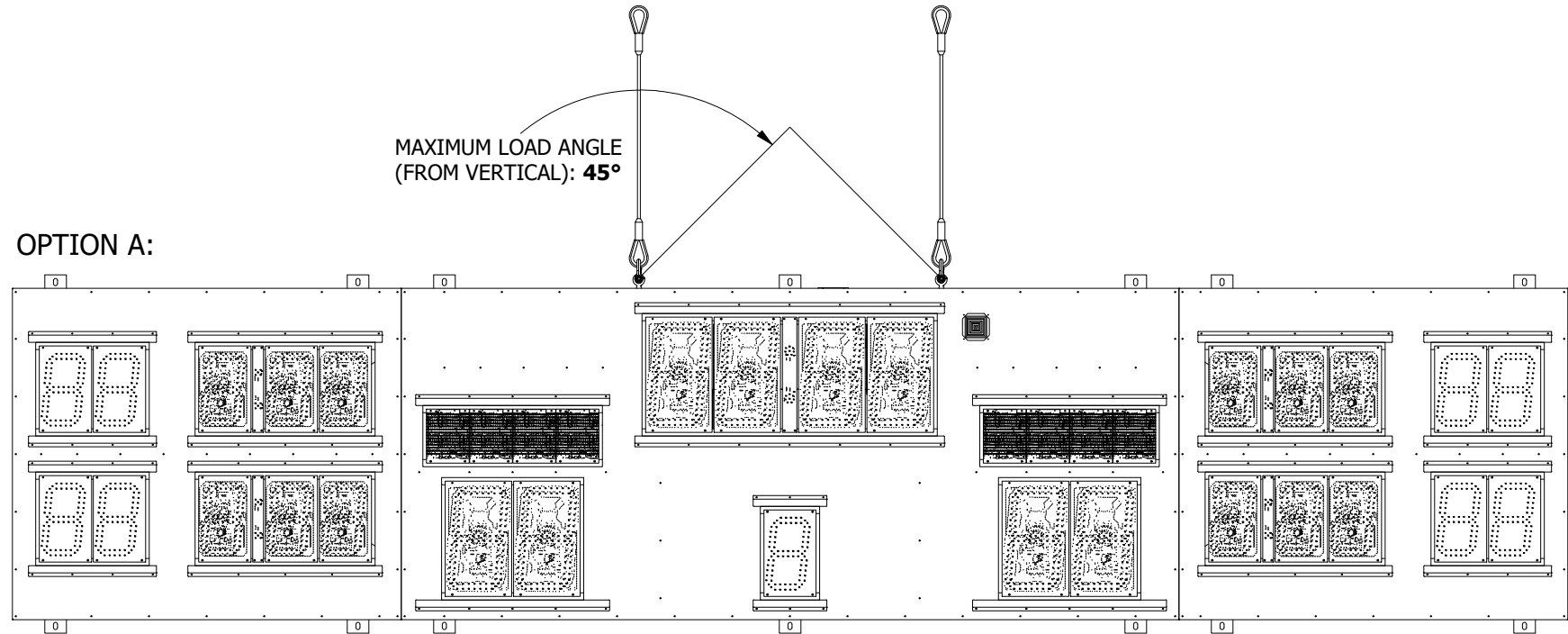
OPTION B: LIFTING USING OUTER LIFT POINTS

1. ATTACH LIFTING EYE BOLTS TO THE OUTER SET OF LIFT POINTS (ON THE OUTER CABINETS).
2. LIFT THE SCOREBOARD INTO POSITION. **LIFT FORCE MUST ALWAYS BE APPLIED IN THE VERTICAL DIRECTION ON BOTH EYE BOLTS IF USING THIS METHOD.**
3. CHECK THAT THE SCOREBOARD IS LEVEL, AND MOUNT TO THE WALL.

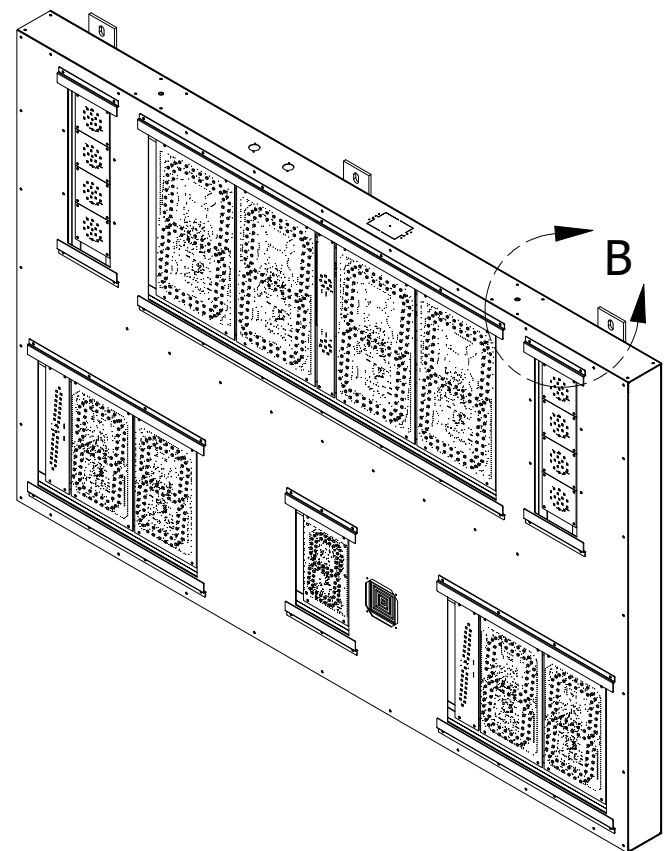
TWO 3/8" EYE BOLTS FOR LIFTING ARE SHIPPED WITH THE ENCLOSURE. LIFTING EQUIPMENT TO BE PROVIDED BY THE INSTALLER.

IMPORTANT NOTES:

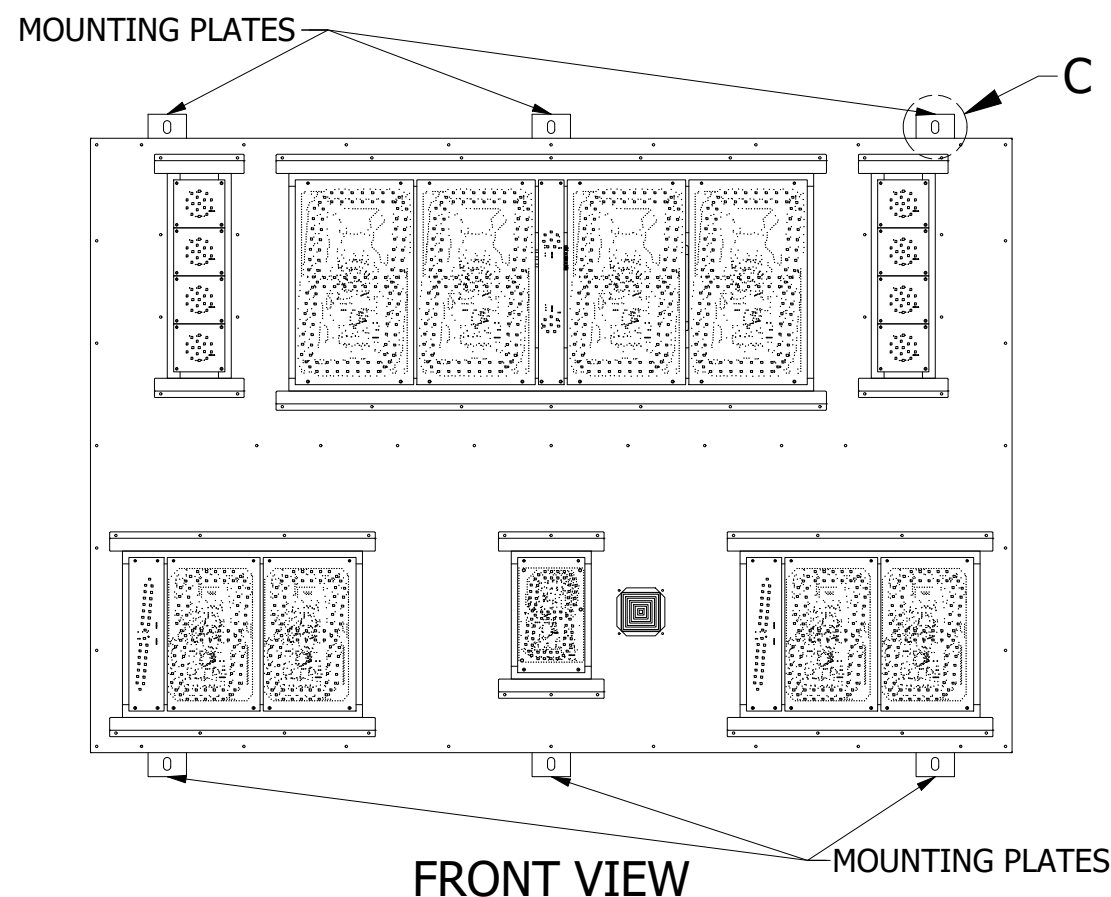
1. DO NOT PERMANENTLY SUSPEND THE SCOREBOARD USING THE LIFTING EYE BOLTS THREADED INTO THE TOP OF THE SCOREBOARD. A HANGING KIT CAN BE PURCHASED TO PERMANENTLY SUSPEND THE SCOREBOARD.
2. KEEP SCOREBOARD LEVEL AT ALL TIMES WHEN LIFTING. LIFT SMOOTHLY, WITHOUT SUDDEN MOVEMENTS OF THE SCOREBOARD.
3. THE INSTALLER IS RESPONSIBLE FOR ENSURING ALL LIFTING EQUIPMENT IS RATED APPROPRIATELY FOR THE SCOREBOARD WEIGHT.
4. ALL EYE BOLTS TO BE LOADED IN THE PURE VERTICAL DIRECTION IF POSSIBLE. EYE BOLT LOAD ANGLE MUST NEVER EXCEED 45° FROM VERTICAL IN ANY CASE. NEVER LOAD EYE BOLTS OUT OF PLANE (SEE EYE BOLT DETAIL).
5. IF SCOREBOARD HAS ADDITIONAL ATTACHED COMPONENTS (AD PANELS, ETC.), CONSULT OES TO CONFIRM THAT TOTAL WEIGHT IS WITHIN THE LOAD LIMIT OF THE EYE BOLTS.
6. TWO LIFTING POINTS MUST BE USED TO LIFT THE SCOREBOARD INTO POSITION. THE LOCATION OF THE LIFTING POINTS VARIES BY SCOREBOARD.
7. THIS LIFTING METHOD IS APPLICABLE FOR DIRECT WALL-MOUNT SCOREBOARDS. IF SCOREBOARD IS CORNER-MOUNTED, REFERENCE CORNER-MOUNT INSTRUCTIONS FOR MORE DETAIL ON LIFTING.



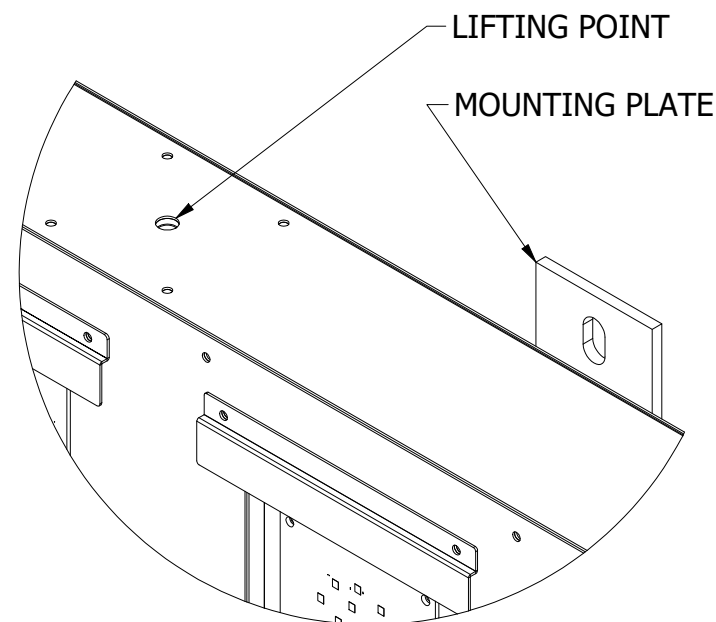
PART NUMBER:		OES SCOREBOARDS 4096 Blakie Road, London, ON, N6L 1P7 Tel: (519) 652-5833 Fax: (519) 652-3795 Email: oes@oes-inc.com		
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SCALE NTS		DRAWN BY rdonald		PAGE 4 OF 12



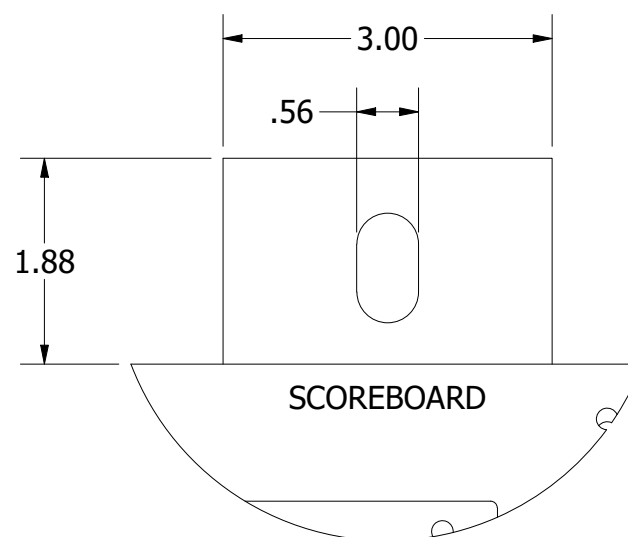
ISOMETRIC VIEW



FRONT VIEW



DETAIL B
LIFTING & MOUNTING POINTS
(SEE INFO DRAWING FOR LOCATIONS)



DETAIL C
MOUNTING PLATE DIMENSIONS
(TYPICAL FOR ALL INDOOR MODELS)

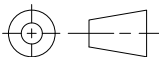
MOUNTING INDOOR SCOREBOARDS DIRECT WALL MOUNT

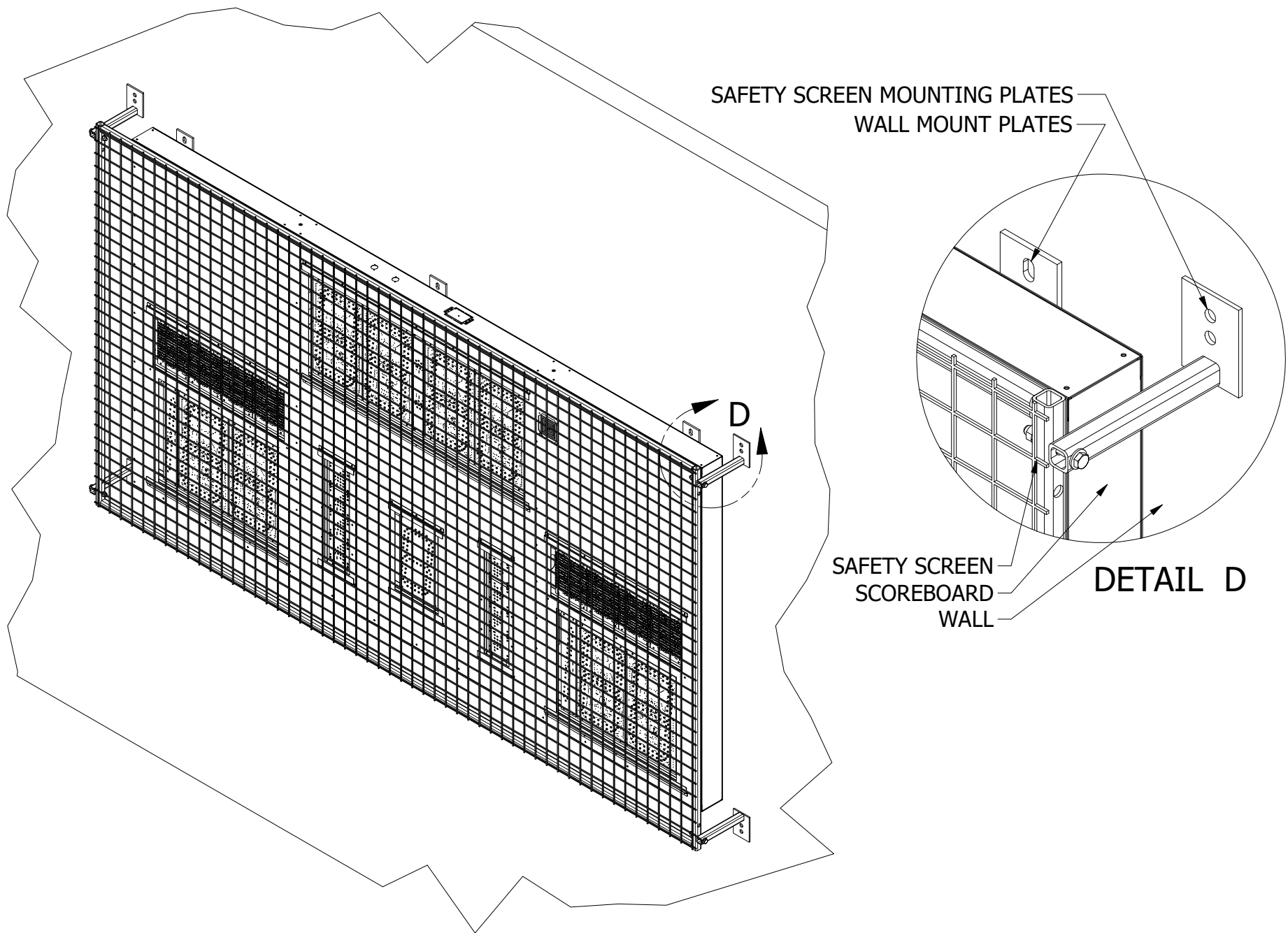
1. DETERMINE SUITABLE WALL ANCHORS AND HARDWARE FOR YOUR FACILITY.
2. LIFT SCOREBOARD INTO POSITION USING SUPPLIED EYE BOLTS AND LIFTING POINTS. (SEE INDOOR SCOREBOARDS - LIFTING GUIDE FOR MORE DETAIL)
3. ATTACH THE SCOREBOARD TO THE WALL USING ALL PROVIDED MOUNTING PLATES. CHECK THAT THE SCOREBOARD IS LEVEL BEFORE ATTACHING TO THE WALL.

APPROPRIATE WALL ANCHORS AND MOUNTING HARDWARE ARE TO BE SUPPLIED BY THE INSTALLER.

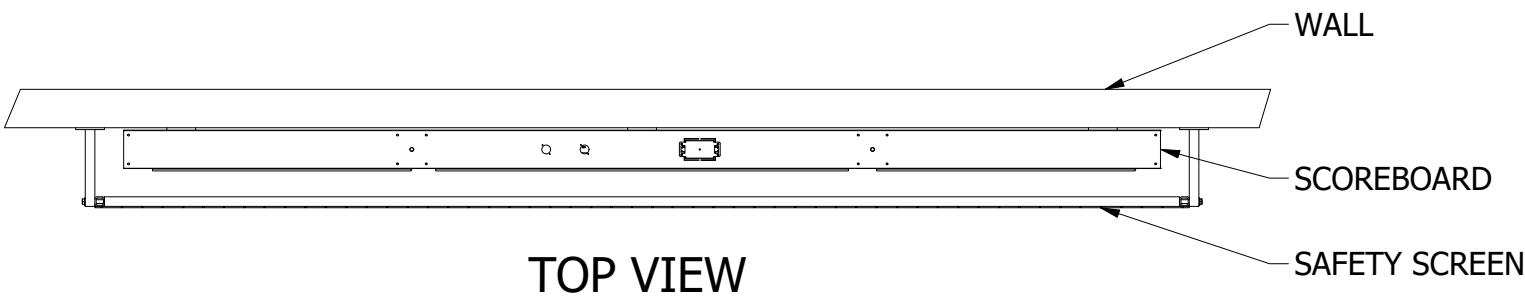
IMPORTANT NOTES:

1. ALL PROVIDED MOUNTING PLATES MUST BE USED TO ATTACH THE SCOREBOARD TO THE WALL. THE NUMBER OF PLATES AND THEIR POSITIONING WILL VARY BY MODEL. MOUNTING PLATE LOCATIONS CAN BE FOUND IN YOUR MODEL'S INFO DRAWING ALONG WITH OVERALL SCOREBOARD WEIGHT AND DIMENSIONS. OPTIONAL AD PANELS AND TRUSSES WILL ADD TO OVERALL WEIGHT.
2. USE SUITABLE ANCHORS AND FASTENERS FOR YOUR WALL TYPE. IT IS RECOMMENDED TO CONTACT A LOCAL ENGINEER FOR A PROFESSIONAL OPINION.
3. NEVER USE THE WALL-MOUNT PLATES TO LIFT THE SCOREBOARD. TEMPORARY LIFTING POINTS ARE PROVIDED ALONG THE TOP OF THE SCOREBOARD. A LIFTING KIT MUST BE USED IF THE CUSTOMER WISHES TO PERMANENTLY SUSPEND THE SCOREBOARD. LIFTING KITS CAN BE PROVIDED UPON REQUEST.

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ISOMETRIC VIEW



TOP VIEW

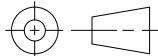
MOUNTING INDOOR SCOREBOARDS WALL MOUNT WITH SAFETY SCREEN

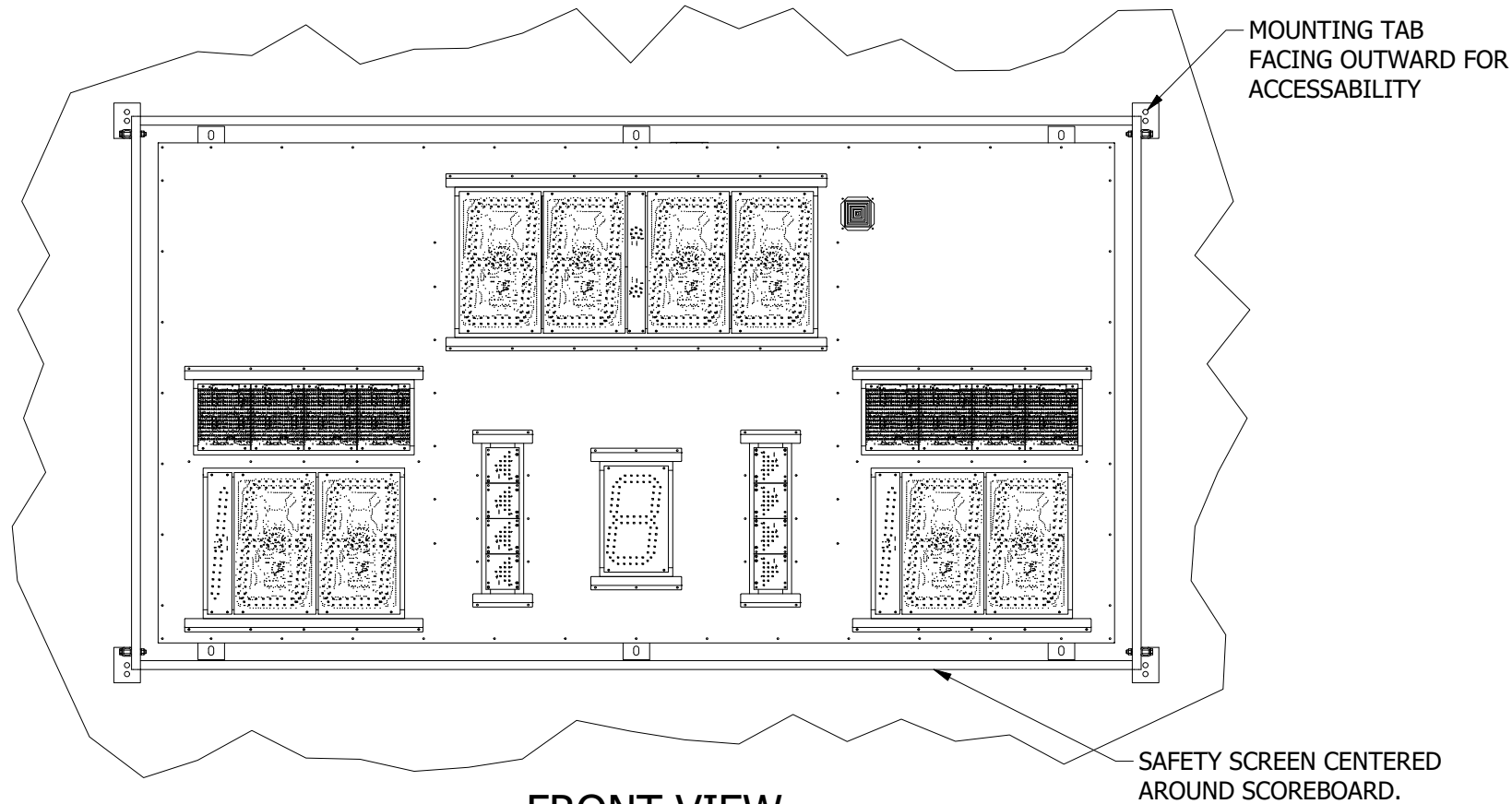
1. DETERMINE SUITABLE WALL ANCHORS AND HARDWARE FOR YOUR FACILITY.
2. MOUNT THE SCOREBOARD TO THE WALL USING ALL PROVIDED WALL-MOUNT PLATES. REFERENCE "INDOOR SCOREBOARDS - STANDARD WALL MOUNT" FOR MORE DETAIL
3. ASSEMBLE SAFETY SCREEN COMPONENTS - SEE PAGE 2.
4. MOUNT THE SAFETY SCREEN TO THE WALL USING YOUR SELECTED WALL ANCHORS AND MOUNTING HARDWARE. ATTACH ALL FOUR CORNERS TO THE WALL. CHECK TO ENSURE THE SCREEN IS LEVEL AND CENTERED ON THE SCOREBOARD BEFORE INSTALLING.

APPROPRIATE WALL ANCHORS AND/OR MOUNTING HARDWARE TO BE SUPPLIED BY THE INSTALLER. SAFETY SCREEN ASSEMBLY HARDWARE PROVIDED BY OES.

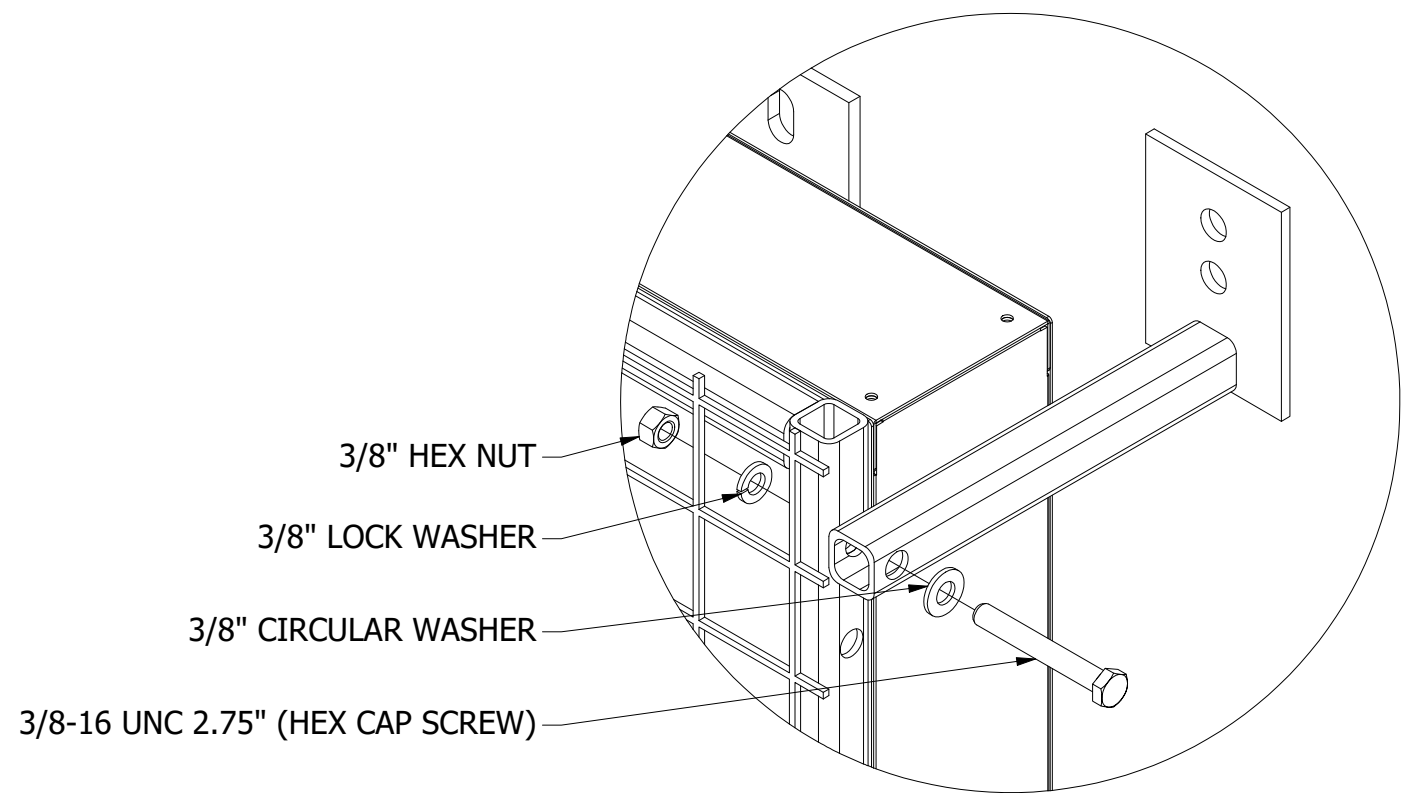
IMPORTANT NOTES:

1. SAFETY SCREEN MUST BE MOUNTED SECURELY TO THE WALL AT ALL FOUR CORNERS.
2. THE INSTALLER IS RESPONSIBLE FOR SELECTING SUITABLE ANCHORS AND FASTENERS FOR THEIR WALL TYPE. IT IS RECOMMENDED TO CONTACT A LOCAL ENGINEER FOR A PROFESSIONAL OPINION.

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		USE FOR CONSTRUCTION		SCALE NTS DRAWN BY rdonald PAGE 6 OF 12			



FRONT VIEW
SAFETY SCREEN MESH NOT SHOWN



SAFETY SCREEN ASSEMBLY COMPONENTS

MOUNTING INDOOR SCOREBOARDS
WALL MOUNT WITH SAFETY SCREEN

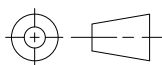
ASSEMBLING SAFETY SCREEN:

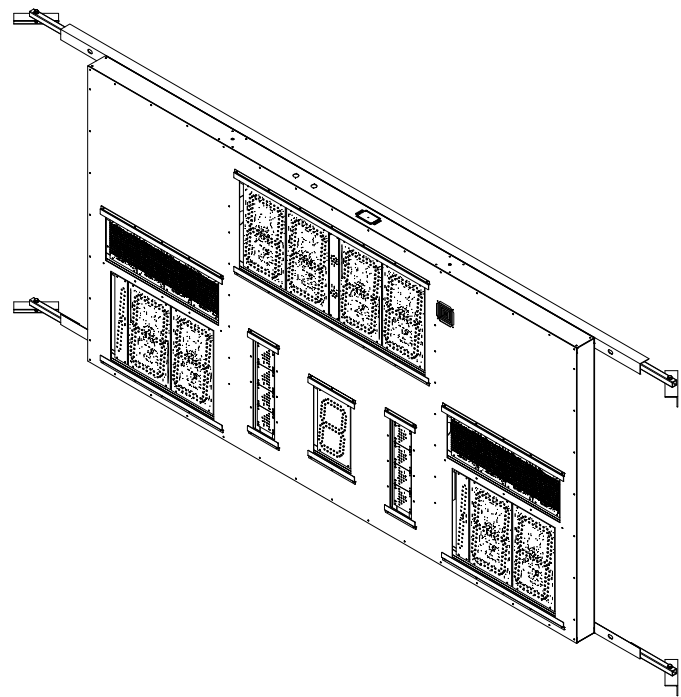
1. ALIGN THE MOUNTING LEG SUCH THAT THE MOUNTING HOLES ARE FACING OUTWARD (UP AT THE TOP, DOWN AT THE BOTTOM).
2. FASTEN THE LEG TO THE SCREEN USING THE PROVIDED 3/8"-16 UNC 2.75" BOLT AND 3/8" WASHER ON THE OUTSIDE.
3. SECURE THE CONNECTION USING A 3/8" LOCK WASHER AND HEX NUT ON THE INSIDE (BEHIND THE SCREEN). DO NOT FULLY TIGHTEN UNTIL YOU KNOW THE MOUNTING LEGS WILL BE FLUSH WITH THE WALL.
4. REPEAT THE PROCESS AT ALL FOUR CORNERS.

APPROPRIATE WALL ANCHORS AND/OR MOUNTING HARDWARE TO BE SUPPLIED BY THE INSTALLER. SAFETY SCREEN ASSEMBLY HARDWARE PROVIDED BY OES.

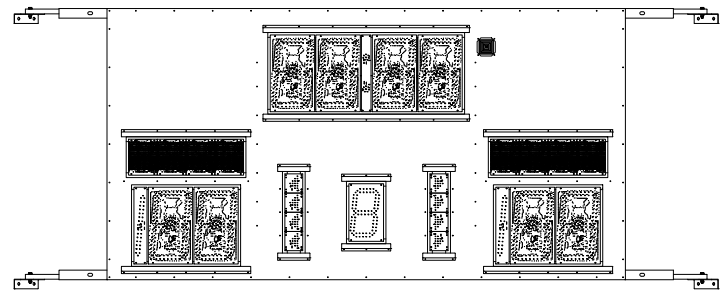
IMPORTANT NOTES:

1. SAFETY SCREEN MUST BE MOUNTED SECURELY TO THE WALL AT ALL FOUR CORNERS.
2. THE INSTALLER IS RESPONSIBLE FOR SELECTING SUITABLE ANCHORS AND FASTENERS FOR THEIR WALL TYPE. IT IS RECOMMENDED TO CONTACT A LOCAL ENGINEER FOR A PROFESSIONAL OPINION.

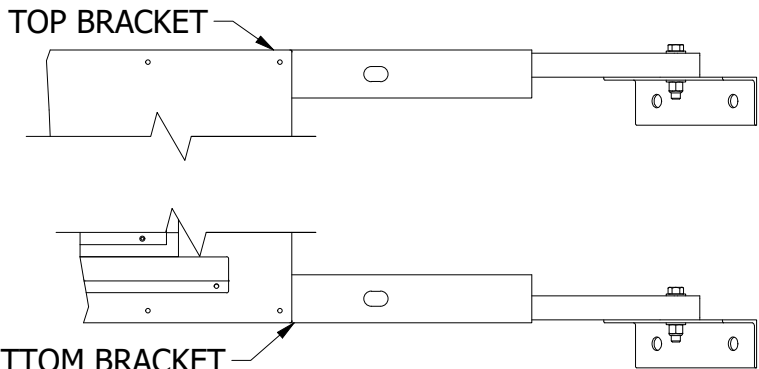
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				USAGE	
				USE FOR CONSTRUCTION	
		SCALE NTS		DRAWN BY rdonald	PAGE 7 OF 12



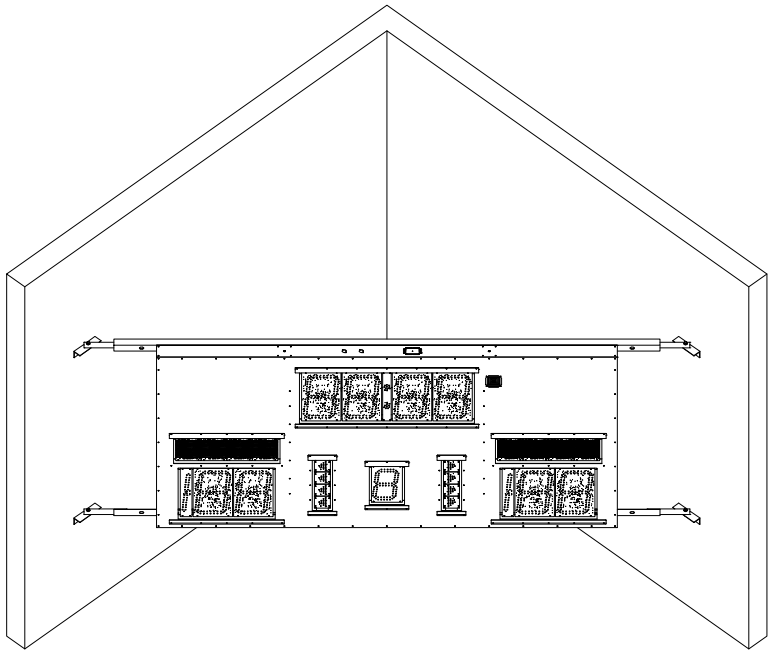
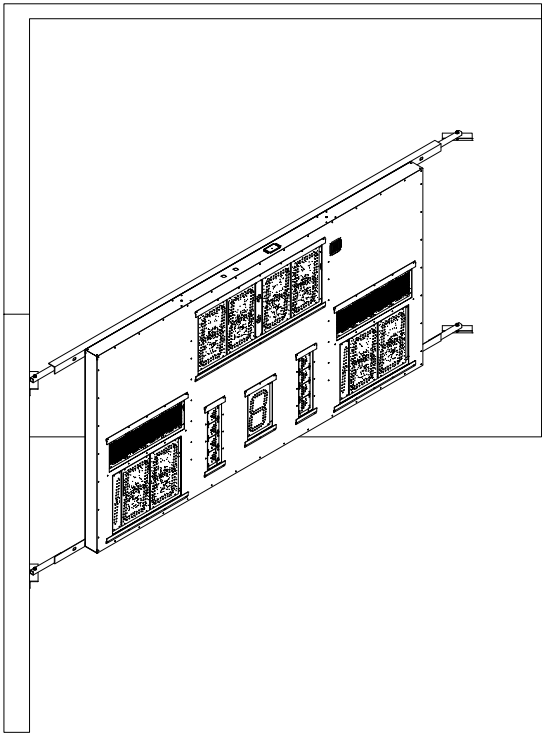
ISOMETRIC VIEW



FRONT VIEW



DETAIL: MOUNTING BRACKETS



CORNER MOUNT SCOREBOARD ON WALL

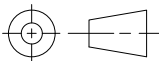
MOUNTING INDOOR SCOREBOARDS
CORNER-MOUNT

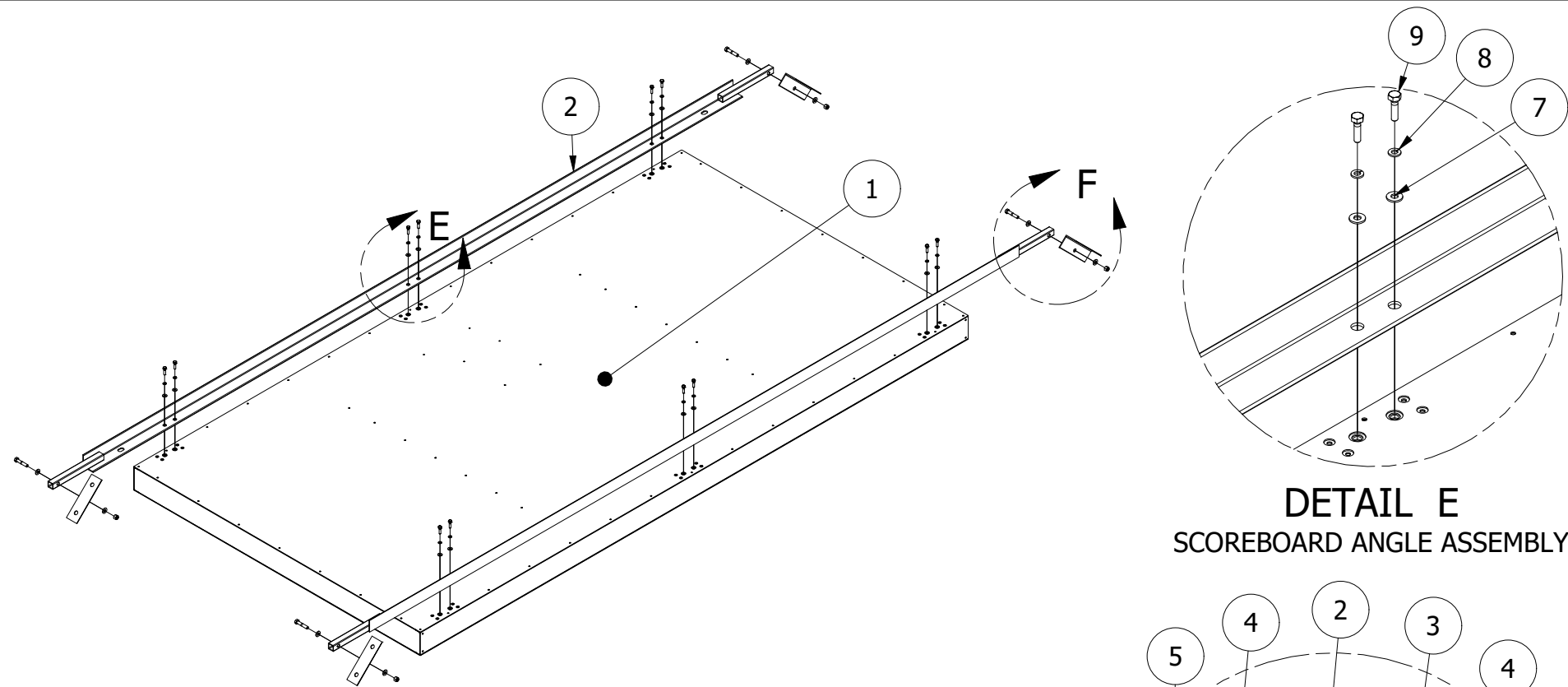
1. SOURCE SUITABLE WALL ANCHORS AND HARDWARE FOR YOUR FACILITY.
2. ATTACH THE CORNER MOUNT KIT TO THE ASSEMBLY. REFERENCE INSTRUCTIONS ON PAGE 2.
3. LIFT THE SCOREBOARD. USE LIFTING SLINGS WRAPPED AROUND THE TOP ANGLE IRON BRACKET. MAKE SURE ALL LIFTING EQUIPMENT IS OF SUFFICIENT RATING FOR THE COMBINED WEIGHT OF THE SCOREBOARD AND CORNER MOUNT KIT.
4. MOVE SCOREBOARD INTO PLACE, ENSURING THAT THE SCOREBOARD IS LEVEL AND THE MOUNTING BRACKETS ARE FLUSH WITH THE WALL.
5. FASTEN THE SCOREBOARD TO THE WALL AT ALL WALL ANGLE MOUNTING POINTS

APPROPRIATE WALL ANCHORS AND MOUNTING HARDWARE ARE TO BE SUPPLIED BY THE INSTALLER. CORNER MOUNTING KIT AND ASSEMBLY HARDWARE SUPPLIED BY OES.

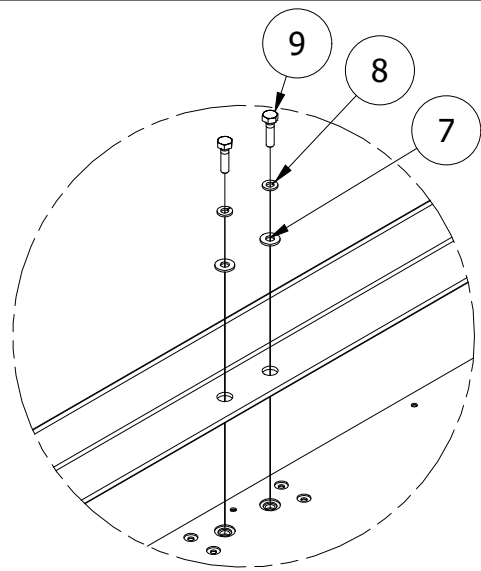
IMPORTANT NOTES:

1. USE SUITABLE ANCHORS AND FASTENERS FOR YOUR WALL TYPE. CONTACT A LOCAL ENGINEER FOR A PROFESSIONAL OPINION.
2. THE INSTALLER IS RESPONSIBLE FOR ENSURING ALL LIFTING EQUIPMENT IS RATED FOR THE WEIGHT OF THE SCOREBOARD + CORNER MOUNT KIT.
3. CUSTOM WALL MOUNT BRACKETS MAY BE REQUIRED DEPENDING ON WALL TYPE.

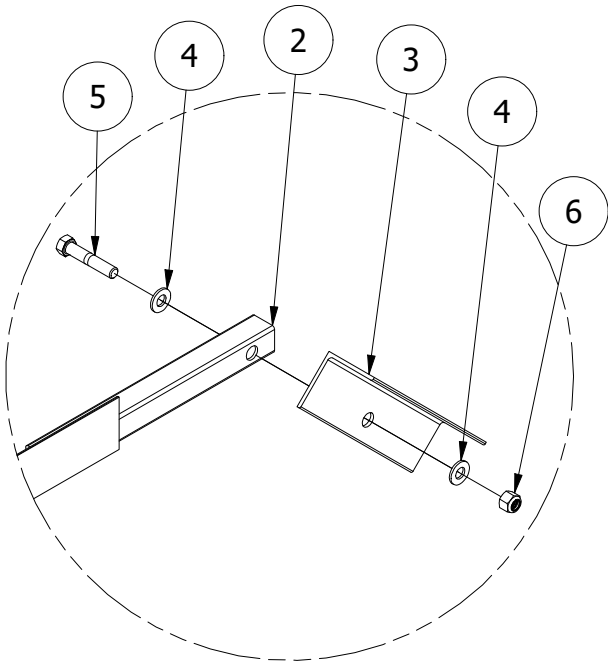
PART NUMBER:		 4096 Blakie Road, London, ON, N6L 1P7 Tel: (519) 652-5833 Fax: (519) 652-3795 Email: oes@oes-inc.com	
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TOLERANCE INFORMATION Dimensions are in inches Fractional $\pm 1/16"$ Two Place Decimals $\pm 0.02"$ Three Place Decimals $\pm 0.005"$ Four Place Decimals $\pm 0.0005"$ Angular 30°		SIZE B FILENAME Installation Drawings - Indoor.idw INIT DRAWING DATE 2021-11-12 USAGE USE FOR CONSTRUCTION	
THIRD ANGLE PROJECTION 		REV A	
SCALE NTS		DRAWN BY rdonald PAGE 8 OF 12	



ASSEMBLY: EXPLODED VIEW



DETAIL E
SCOREBOARD ANGLE ASSEMBLY



DETAIL F
WALL ANGLE ASSEMBLY

MOUNTING INDOOR SCOREBOARDS
CORNER-MOUNT - ASSEMBLY

- 1. LAY SCOREBOARD FLAT ON THE GROUND, DIGITS FACING DOWN.
- 2. ATTACH THE ANGLE IRON BRACKETS TO THE TOP AND BOTTOM OF THE BOARD. USE THE PROVIDED 1/4" HARDWARE AT EVERY MOUNTING POINT. THE BRACKETS SHOULD BE ORIENTED SUCH THAT THE FLANGE IS FLUSH WITH THE OUTSIDE OF THE BOARD
- 3. ATTACH THE WALL MOUNT BRACKETS TO THE BACKING. THE FLAT FACE OF THE BRACKET SHOULD ALWAYS BE BELOW THE BACKING. USE THE PROVIDED 3/8" HARDWARE, AND ASSEMBLE AS SHOWN.

APPROPRIATE WALL ANCHORS AND MOUNTING HARDWARE ARE TO BE SUPPLIED BY THE INSTALLER. CORNER MOUNTING KIT AND ASSEMBLY HARDWARE SUPPLIED BY OES.

IMPORTANT NOTES:

- 1. USE SUITABLE ANCHORS AND FASTENERS FOR YOUR WALL TYPE. IT IS RECOMMENDED TO CONTACT A LOCAL ENGINEER FOR A PROFESSIONAL OPINION.
- 2. THE INSTALLER IS RESPONSIBLE FOR ENSURING ALL LIFTING EQUIPMENT IS RATED FOR THE WEIGHT OF THE SCOREBOARD + CORNER MOUNT KIT.
- 3. CUSTOM WALL MOUNT BRACKETS MAY BE REQUIRED DEPENDING ON WALL TYPE.

PROVIDED COMPONENTS - CORNER MOUNT SAFETY SCREEN			
ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	SCOREBOARD	
2	2	SCOREBOARD ANGLE	ANGLE IRON BRACKETS
3	4	WALL ANGLE	ANGLE IRON BRACKETS
4	8	SB-HW534D	3_8 IN FLAT WASHER
5	4	HW534F+	Hex Bolt - UNC (Regular Thread - Inch)
6	4	HW534H	3_8-16 GRADE 5 STL NYLON-INSERT LOCKNUT
7	*	SB-HW530B	1_4 Flat Washer
8	*	SB-HW530E	1_4 Lock Washer
9	*	SB-HW530A	1_4-20 UNC - 1

* - PROVIDED QTY IS SPECIFIC TO THE SCOREBOARD BEING INSTALLED. SUFFICIENT QTY TO MOUNT THE SCOREBOARD ANGLE TO EACH SCOREBOARD MOUNTING POINT WILL BE PROVIDED.

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TOLERANCE INFORMATION
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Fractional ± 1/16"
Two Place Decimals ± 0.02"
Three Place Decimals ± 0.005"
Four Place Decimals ± 0.0005"
Angular 30°

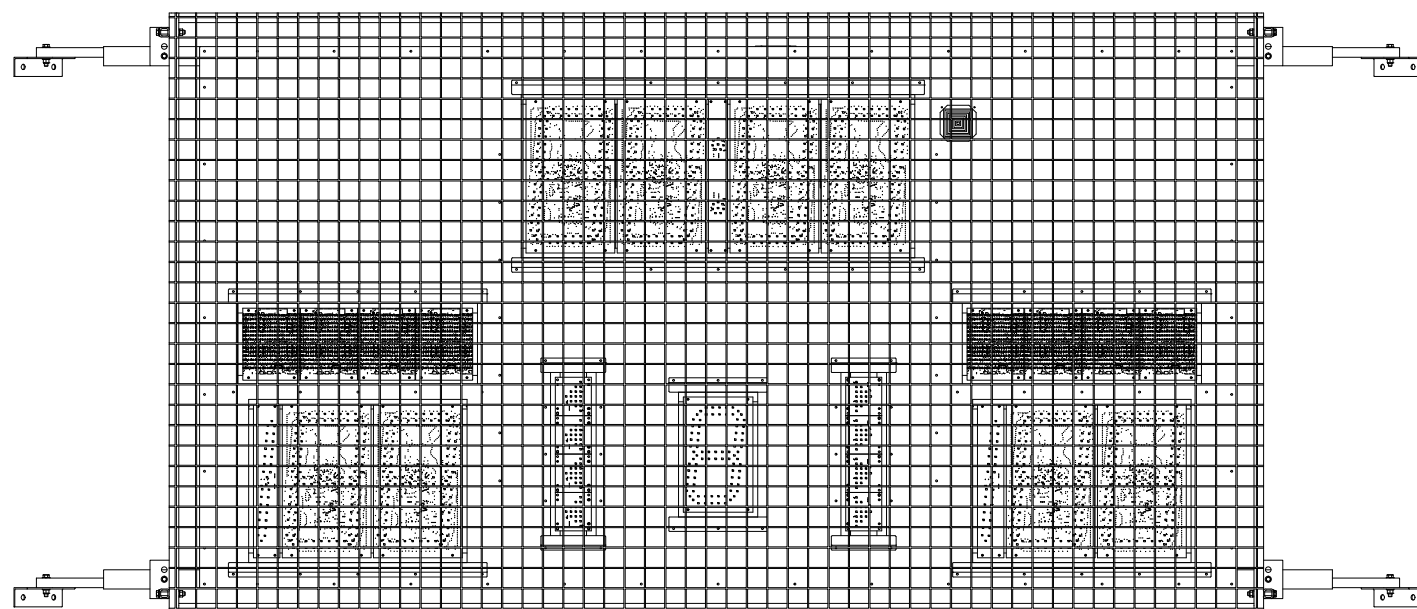
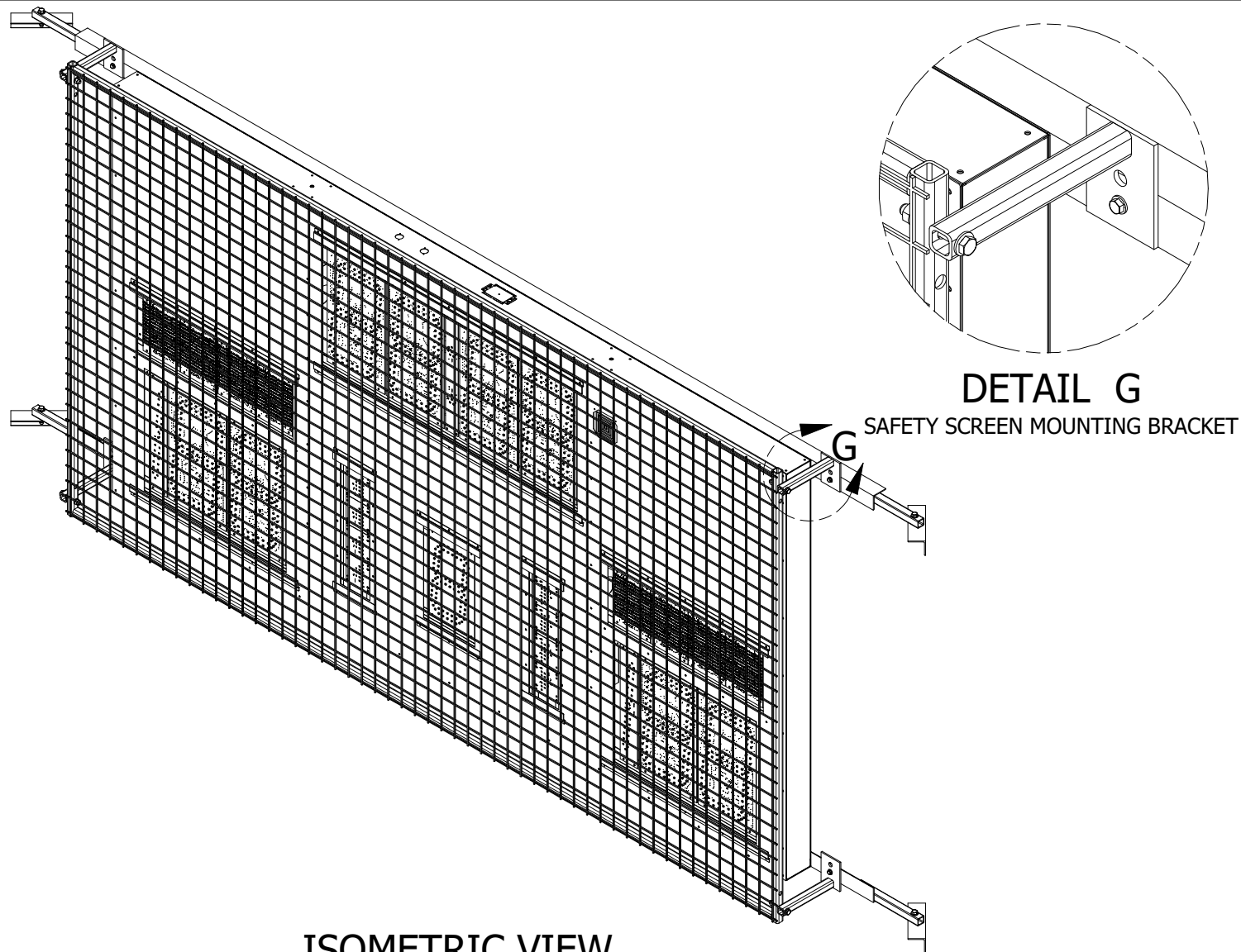
THIRD ANGLE PROJECTION

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London, ON, N6L 1P7
Tel: (519) 652-5833
Fax: (519) 652-3795
Email: oes@oes-inc.com

DESCRIPTION
INSTALL DRAWINGS - INDOOR
OES ELECTRONIC SCOREBOARDS

SIZE	FILENAME	INIT DRAWING DATE	REV
B	Installation Drawings - Indoor.idw	2021-11-12	A
USE FOR CONSTRUCTION			

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MOUNTING INDOOR SCOREBOARDS CORNER-MOUNT SAFETY SCREEN

1. INSTALL THE CORNER-MOUNT SCOREBOARD USING THE DIRECTION FOUND IN THE "CORNER-MOUNT" INSTALL INSTRUCTIONS.
2. ASSEMBLE THE SAFETY SCREEN USING THE PROVIDED HARDWARE. (SEE DETAILS ON PAGE 2)
3. LIFT THE SAFETY SCREEN INTO POSITION.
4. ATTACH THE SAFETY SCREEN TO THE CORNER-MOUNT BRACKET USING THE PROVIDED HARDWARE. (SEE PAGE 2)

SAFETY SCREEN AND ASSEMBLY HARDWARE SUPPLIED BY OES.

IMPORTANT NOTES:

1. ALWAYS INSTALL THE SAFETY SCREEN AFTER LIFTING AND MOUNTING THE CORNER MOUNT SCOREBOARD. DO NOT ADD WEIGHT TO THE SAFETY SCREEN AFTER INSTALLATION OR TRY TO LIFT THE SCOREBOARD ASSEMBLY BY THE SAFETY SCREEN.
2. REFER TO THE "CORNER-MOUNT INSTALLATION INSTRUCTIONS" GUIDE FOR INSTALLATION OF CORNER-MOUNT SCOREBOARDS. CONSIDER THE ADDED WEIGHT OF THE SAFETY SCREEN WHEN SELECTING APPROPRIATE WALL ANCHORS FOR THE SCOREBOARD MOUNT.

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TOLERANCE INFORMATION

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Fractional $\pm 1/16"$

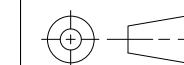
Two Place Decimals $\pm 0.02"$

Three Place Decimals $\pm 0.005"$

Four Place Decimals $\pm 0.0005"$

Angular $30'$

THIRD ANGLE
PROJECTION



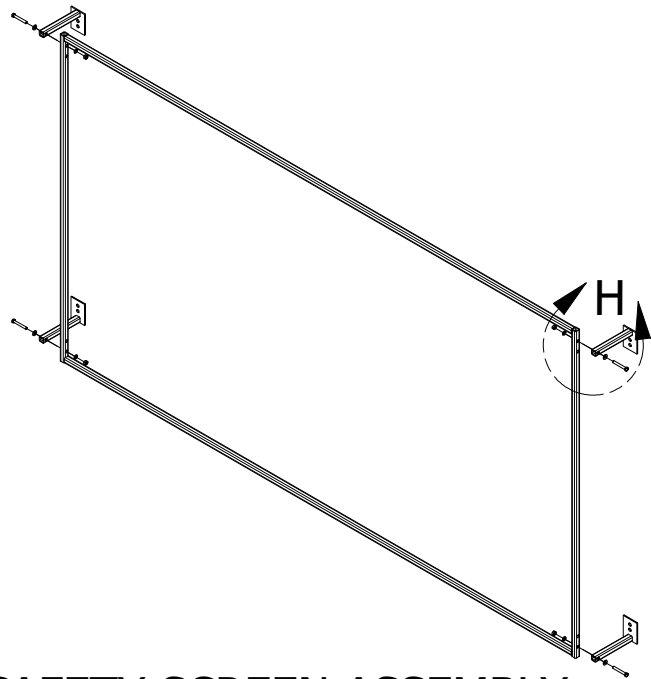
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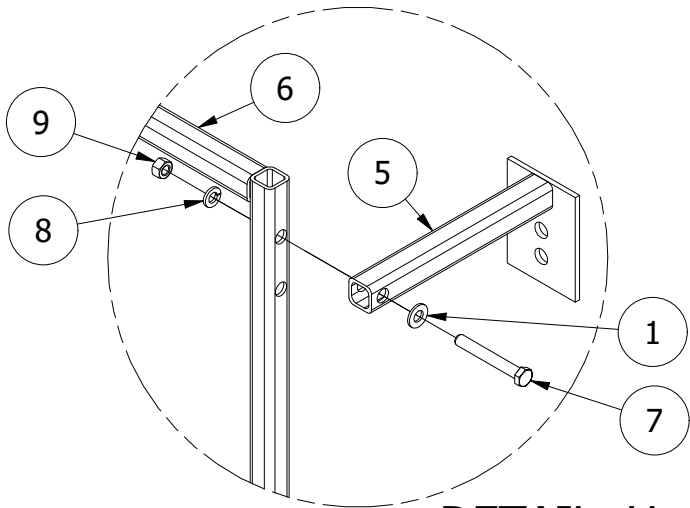
INSTALL DRAWINGS - INDOOR
OES ELECTRONIC SCOREBOARDS

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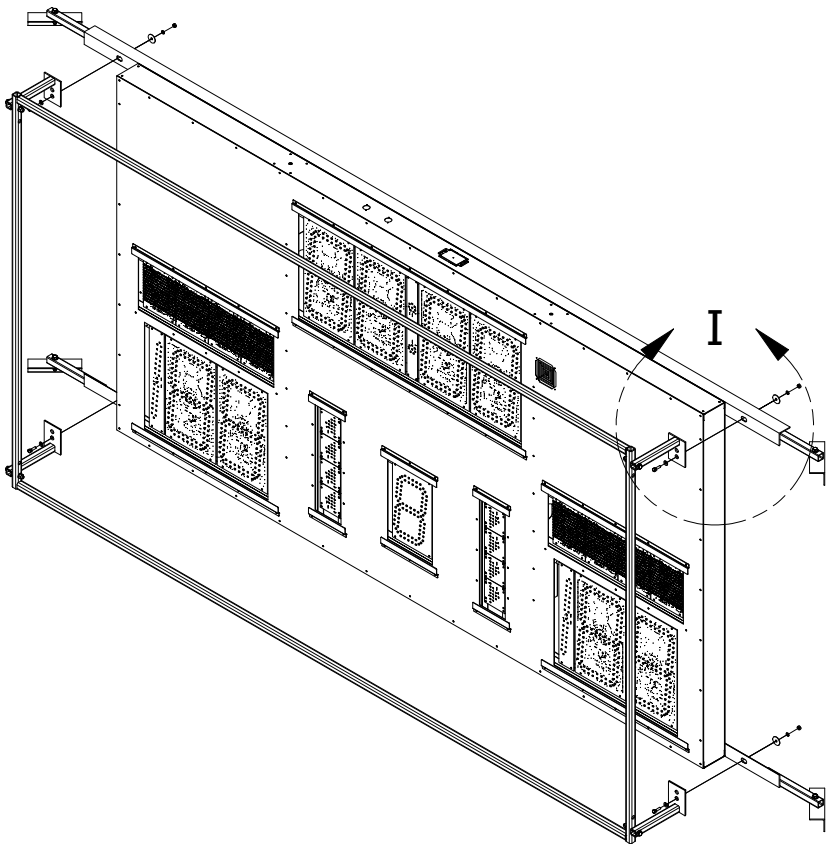
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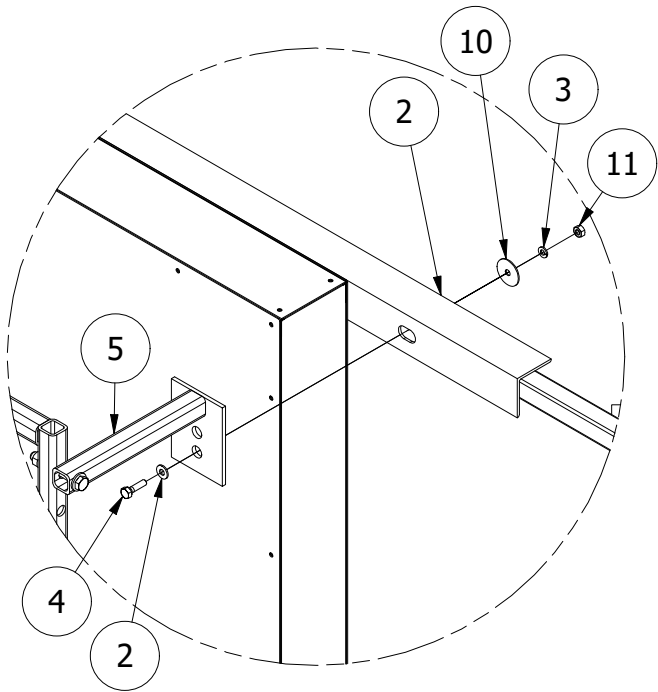
SAFETY SCREEN ASSEMBLY



DETAIL H
ASSEMBLING SAFETY SCREEN



ATTACHING TO CORNER MOUNT BRACKET



DETAIL I
MOUNTING TO CORNER BRACKET

PROVIDED COMPONENTS - CORNER MOUNT SAFETY SCREEN			
ITEM	QTY.	PART NUMBER	DESCRIPTION
1	12	SB-HW534D	3_8 IN FLAT WASHER
2	16	SB-HW530B	1_4 Flat Washer
3	16	SB-HW530E	1_4 Lock Washer
4	16	SB-HW530A	1_4-20 UNC - 1
5	4	EN913D	SAFETY SCREEN MOUNT
6	1	CM-SS	SAFETY SCREEN
7	4	HW534A+	3_8-16 UNC - 2.75 Hex Cap Screw
8	4	SB-HW534E	3/8 Spring Lock Washer
9	4	SB-HW534C	3_8-16 UNC Hex Nut
10	4	HW655A	1/4 - 1 1/4 Fender Washer
11	4	SB-HW530C	Hex Nuts (Inch Series) Hex Nut 1/4 - 20

MOUNTING INDOOR SCOREBOARDS
CORNER-MOUNT SAFETY SCREEN ASSEMBLY

1. ATTACH THE SAFETY SCREEN MOUNTS TO THE FOUR CORNERS OF THE SAFETY SCREEN, USING THE HARDWARE SHOWN IN DETAIL A. ENSURE THAT THE MOUNTING HOLES ARE FACING INWARD AS SHOWN.
2. LIFT THE SAFETY SCREEN INTO POSITION.
3. ATTACH THE SAFETY SCREEN ASSEMBLY TO THE CORNER-MOUNT BRACKETS AS SHOWN IN DETAIL B.

SAFETY SCREEN AND ASSEMBLY HARDWARE SUPPLIED BY OES.

IMPORTANT NOTES:

1. ALWAYS INSTALL THE SAFETY SCREEN AFTER LIFTING AND MOUNTING THE CORNER MOUNT SCOREBOARD. DO NOT ADD WEIGHT TO THE SAFETY SCREEN AFTER INSTALLATION OR TRY TO LIFT THE SCOREBOARD ASSEMBLY BY THE SAFETY SCREEN.
2. REFER TO THE "CORNER-MOUNT INSTALLATION INSTRUCTIONS" GUIDE FOR INSTALLATION OF CORNER-MOUNT SCOREBOARDS. CONSIDER THE ADDED WEIGHT OF THE SAFETY SCREEN WHEN SELECTING APPROPRIATE WALL ANCHORS FOR THE SCOREBOARD MOUNT.

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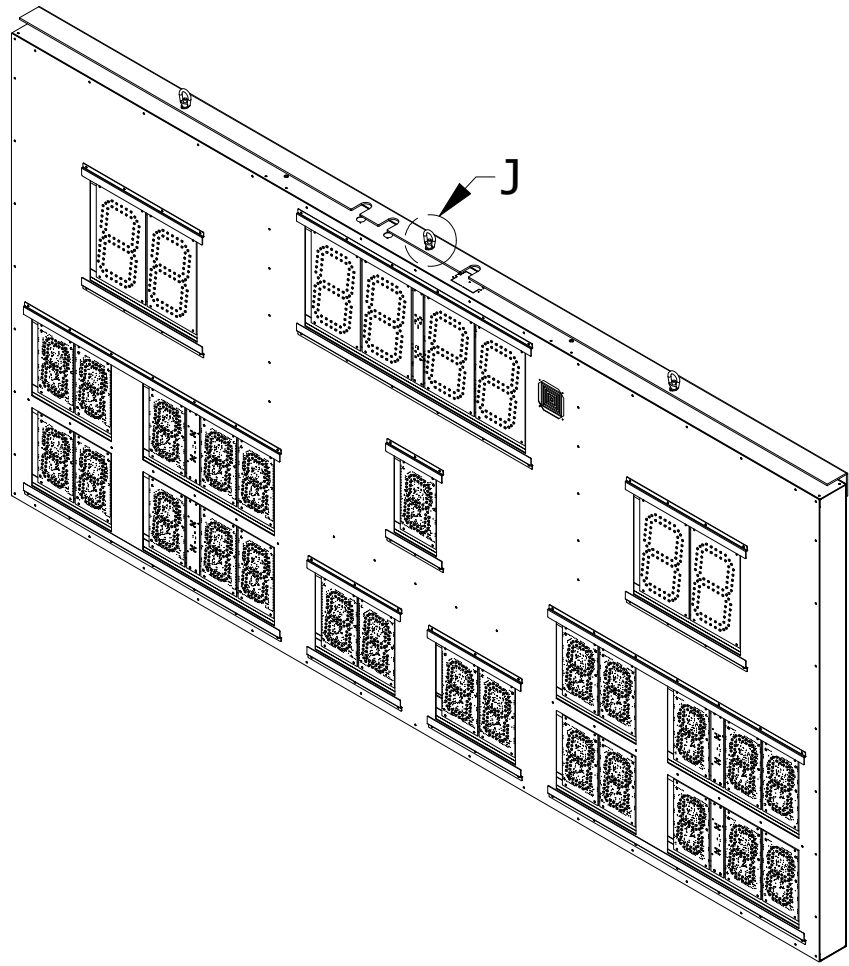
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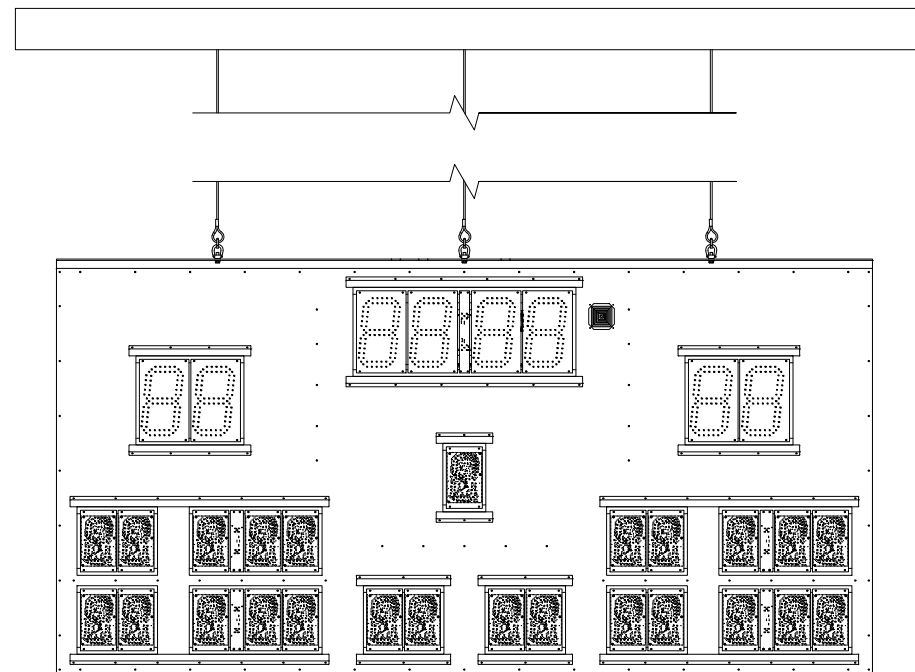
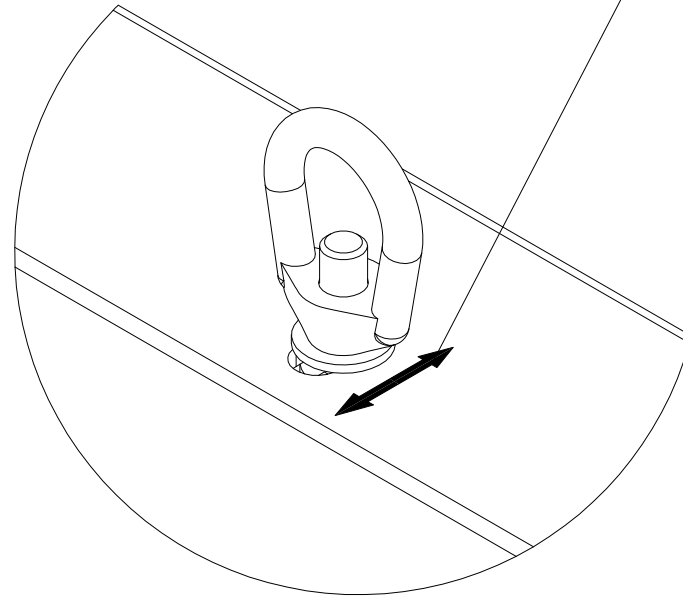
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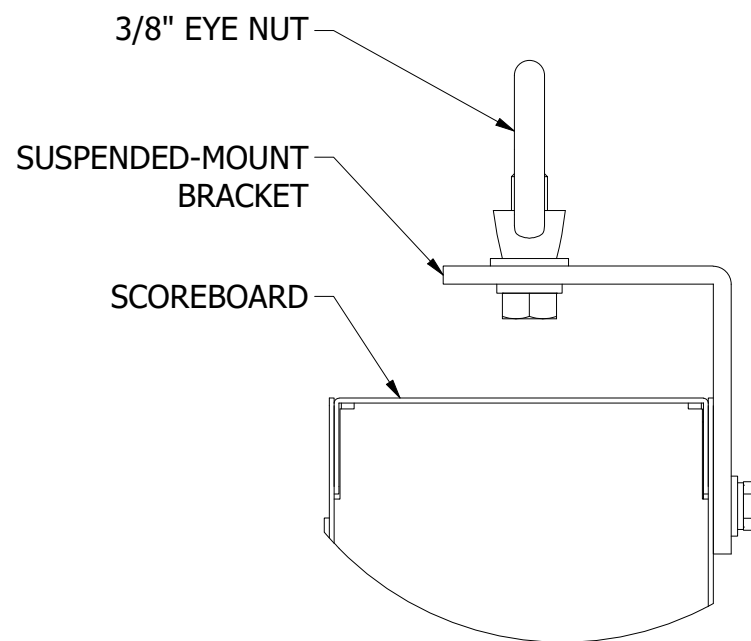
DETAIL J
MOUNTING EYE NUT

ADJUST ALONG SLOT AS NEEDED TO ALLOW
SCOREBOARD TO HANG VERTICALLY



FRONT VIEW

SHOWN WITH EXAMPLE MOUNTING CABLES (NOT PROVIDED BY OES)



DETAIL K
SUSPENDED-MOUNT BRACKET
(SIDE VIEW)

INDOOR SCOREBOARDS SUSPENDED-MOUNT

1. SELECT PERMANENT SUSPENDED-MOUNT EQUIPMENT OF APPROPRIATE RATING FOR THE WEIGHT AND NUMBER OF MOUNTING POINTS OF YOUR SCOREBOARD (MODEL-SPECIFIC: CONTACT OES FOR DETAILS OR REFERENCE YOUR ORDER).

2. LIFT SCOREBOARD INTO POSITION. LIFTING METHOD MAY VARY DEPENDING ON THE CHOICE OF PERMANENT MOUNTING EQUIPMENT. SCOREBOARD MUST BE KEPT SECURELY IN POSITION AT ALL TIMES DURING INSTALLATION.

3. ATTACH MOUNTING EQUIPMENT TO ALL PROVIDED MOUNTING EYE NUTS. ENSURE EQUIPMENT IS SECURELY ATTACHED. ADJUST EYE NUT POSITION ALONG SLOT AS NEEDED TO ALLOW SCOREBOARD TO HANG VERTICALLY (SEE DETAIL A).

SUSPENDED-MOUNT KIT (INCLUDING ANGLE BRACKET AND EYE NUT) IS SUPPLIED AND ASSEMBLED BY OES PRIOR TO INSTALLATION. MOUNTING EQUIPMENT OF APPROPRIATE RATING TO BE PROVIDED BY THE INSTALLER.

IMPORTANT NOTES:

1. THE INSTALLER IS RESPONSIBLE FOR ENSURING ALL EQUIPMENT USED TO PERMANENTLY SUSPEND THE SCOREBOARD IS RATED APPROPRIATELY FOR THE SCOREBOARD WEIGHT. THE INSTALLER IS ALSO RESPONSIBLE FOR CHOOSING AN APPROPRIATE LOCATION TO SUSPEND THE SCOREBOARD FROM. APPROXIMATE VALUES FOR SCOREBOARD WEIGHT CAN BE FOUND IN THEIR INFO DRAWING.

2. ALL EYE NUTS ARE TO BE LOADED IN THE PURE VERTICAL DIRECTION. ALL SUPPLIED EYE NUTS MUST BE USED TO SUSPEND THE SCOREBOARD.

3. THE NUMBER AND POSITION OF THE MOUNTING EYE NUTS WILL VARY BY SCOREBOARD. CONTACT OES FOR MODEL-SPECIFIC DETAILS.

4. SAFETY SCREEN OPTIONS ARE AVAILABLE FOR SUSPENDED-MOUNT SCOREBOARDS. CONTACT OES FOR MORE INFORMATION.

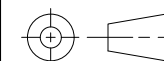
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