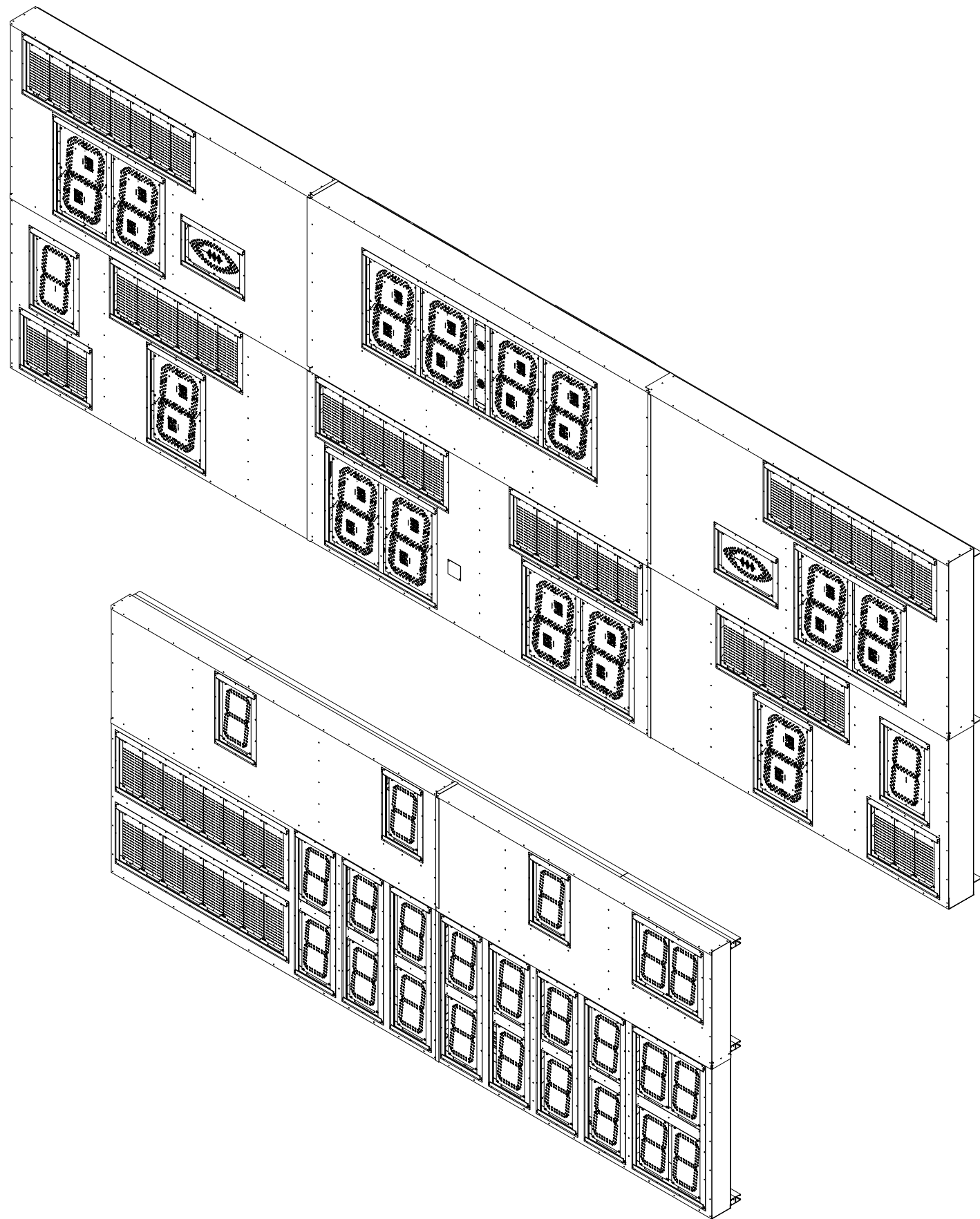




OES INSTALLATION DRAWINGS

OUTDOOR SCOREBOARDS

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MOUNTING TO HSS SQUARE POSTS	3

- GENERAL NOTES:**
1. THIS PACKAGE CONTAINS GENERIC INSTRUCTIONS FOR COMMON OUTDOOR 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 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 GENERAL I-BEAM OR HSS POST SPEC GUIDELINES, REFERENCE THE POST SPEC DOCUMENT FOR YOUR SCOREBOARD'S WIDTH. OES POST SPECIFICATIONS ARE FOR QUOTING AND PLANNING PURPOSES ONLY. MOUNTING POSTS FOR OUTDOOR SCOREBOARDS MUST BE APPROVED BY A PROFESSIONAL ENGINEER.
6. FOR CUSTOM INSTALL OPTIONS NOT COVERED IN THIS PACKAGE, CONTACT OES.

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	2021-12-13	RD
B	ADD NOTES	2022-3-1	M.LI

PART NUMBER: N/A

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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

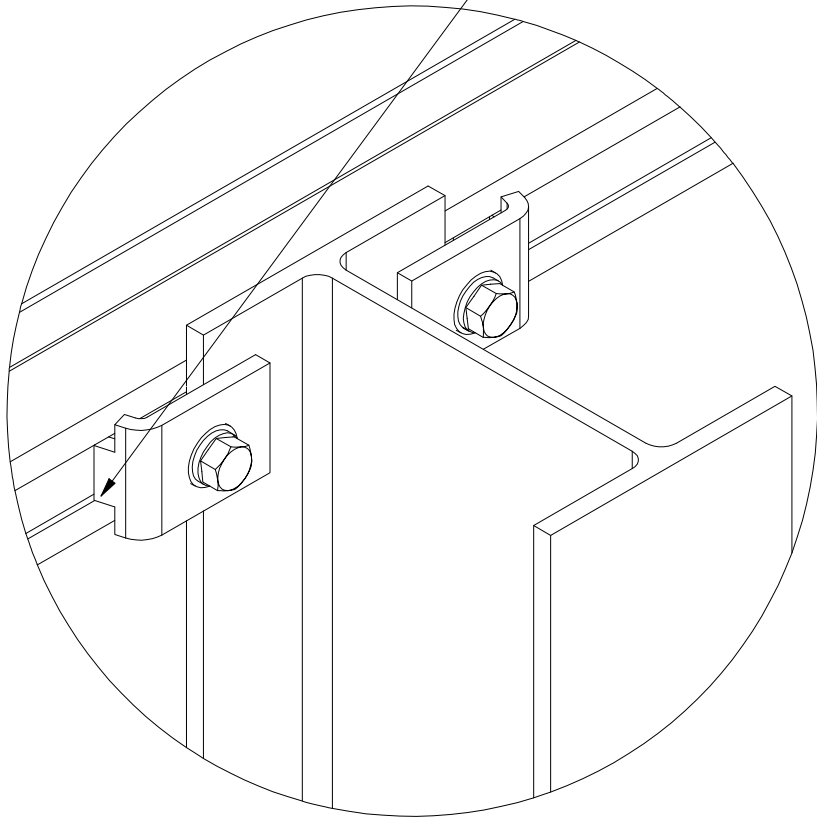
4096 Blakie Road,
London, ON, N6L 1P7
Tel: (519) 652-5833
Fax: (519) 652-3795
Email: oes@oes-inc.com

DESCRIPTION
INSTALL DRAWINGS - OUTDOOR
OES ELECTRONIC SCOREBOARDS

SIZE	FILENAME	INIT DRAWING DATE	REV
B	Installation Drawings - Outdoor.idw	12/13/2021	B
USE FOR CONSTRUCTION			

SCALE	NTS	DRAWN BY	rdonald	PAGE	1 OF 3
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BEAM CLAMP TABS MUST BE ENGAGED WITH THE UNISTRUT CHANNEL AS SHOWN.



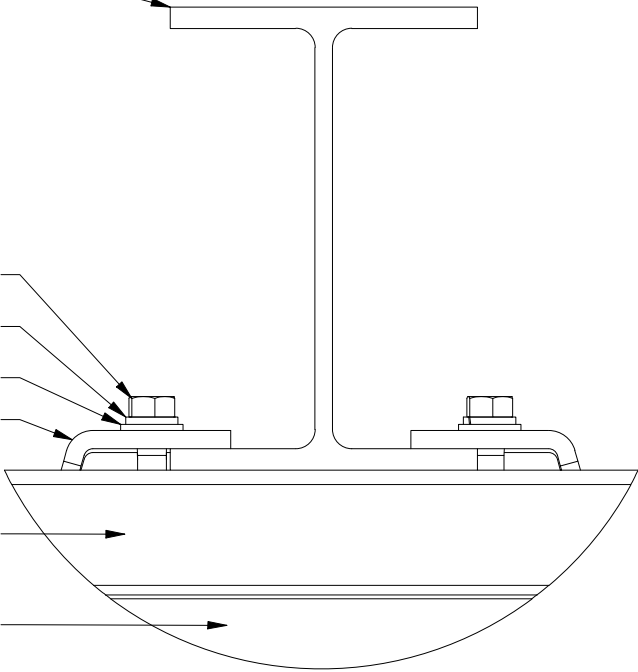
ISOMETRIC VIEW

I-BEAM

3/8-16 UNC - 1.5
3/8" LOCK WASHER
3/8" FLAT WASHER
BEAM CLAMP

UNISTRUT

SCOREBOARD



TOP VIEW

SCOREBOARD

UNISTRUT

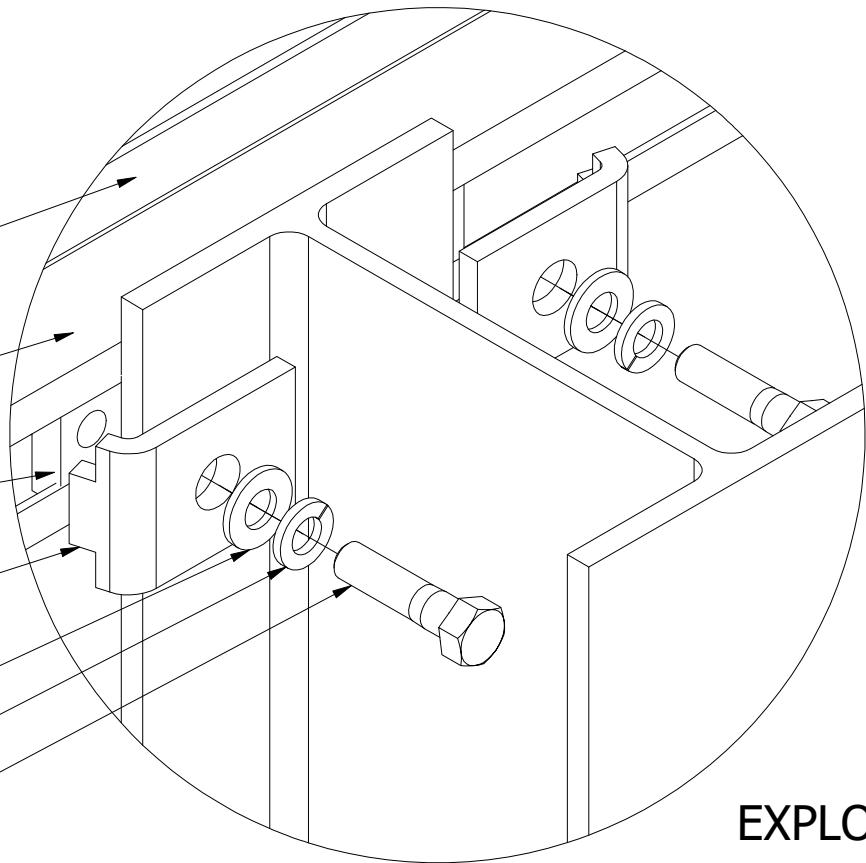
CLAMPING NUT

BEAM CLAMP

3/8" FLAT WASHER

3/8" LOCK WASHER

3/8" HEX BOLT - 1.5"



EXPLODED VIEW

OUTDOOR SCOREBOARD INSTALLATION:
MOUNTING TO I-BEAM

1. INSERT CLAMPING NUTS INTO THE UNISTRUT. TURN CLAMPING NUTS TO VERTICAL POSITION TO LOCK IN PLACE. CLAMPING NUTS ARE TO BE USED IN PAIRS AT ALL BEAM LOCATIONS ALONG ALL INSTALLED UNISTRUT CHANNELS.
2. LIFT SCOREBOARD INTO POSITION. ASSEMBLE THE BEAM CLAMP, WASHERS, AND BOLT. ADJUST CLAMPING NUT LOCATION IF NEEDED TO MOVE THE BOLT CLOSER TO THE I-BEAM.
3. TIGHTEN ALL BOLTS TO 19 FT-LBS OF TORQUE.

CLAMPING NUTS, BEAM CLAMPS, WASHERS, AND BOLTS ARE PROVIDED WITH THE ENCLOSURE BY OES.

IMPORTANT NOTES:

1. DO NOT USE LUBRICANT ON ANY MOUNTING HARDWARE.
2. SCOREBOARD MUST BE ATTACHED AT ALL LOCATIONS WHERE AN I-BEAM CROSSES A ROW OF UNISTRUT. I-BEAM CLAMPS MUST BE USED IN PAIRS.
3. MAXIMUM FLANGE THICKNESS IS 1/2" FOR BEAM CLAMPS. CONTACT OES FOR MOUNTING OPTIONS IF I-BEAM FLANGES ARE OVER 1/2" THICK.
4. I-BEAMS AND FOOTINGS SHOULD BE APPROVED BY A PROFESSIONAL ENGINEER FAMILIAR WITH LOCAL BUILDING CODES. OES-PROVIDED POST SPECIFICATIONS ARE FOR COST ESTIMATION PURPOSES ONLY.

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Fractional ± 1/16"

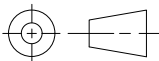
Two Place Decimals ± 0.02"

Three Place Decimals ± 0.005"

Four Place Decimals ± 0.0005"

Angular 30°

THIRD ANGLE
PROJECTION



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DESCRIPTION

INSTALL DRAWINGS - OUTDOOR
OES ELECTRONIC SCOREBOARDS

SIZE

FILENAME

Installation Drawings - Outdoor.idw

INIT DRAWING DATE

12/13/2021

REV

USAGE

USE FOR CONSTRUCTION

B

SCALE

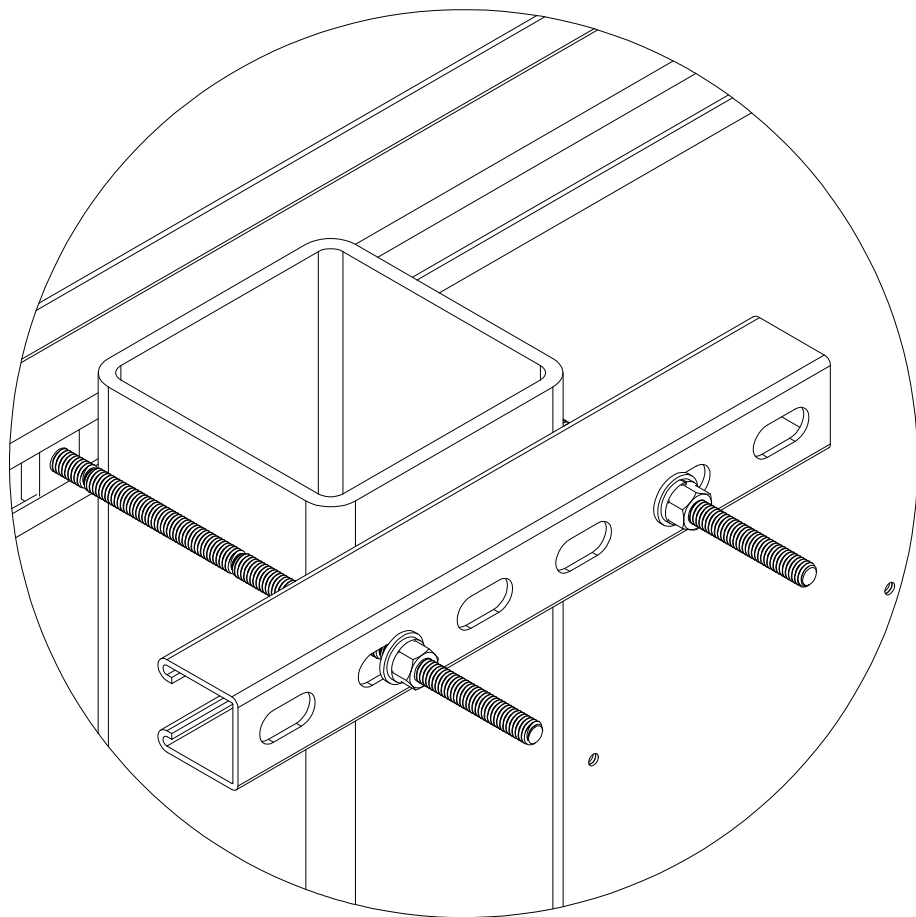
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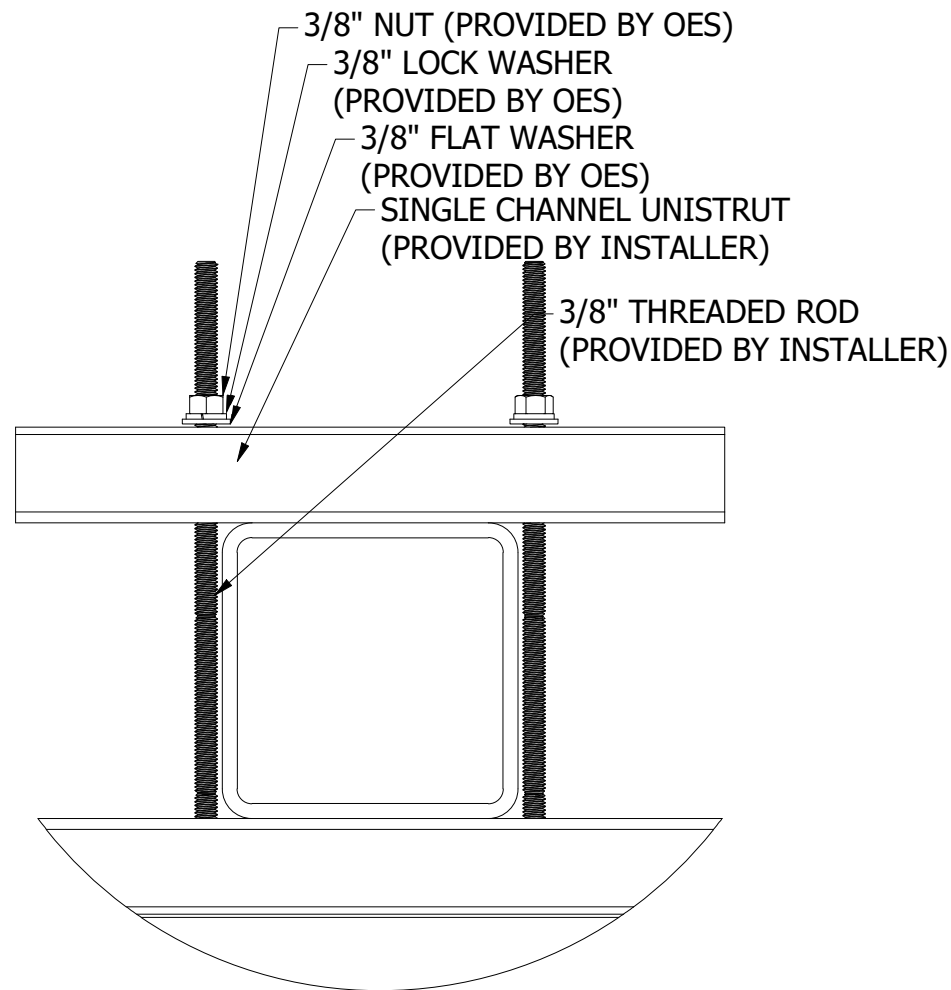
rdonald

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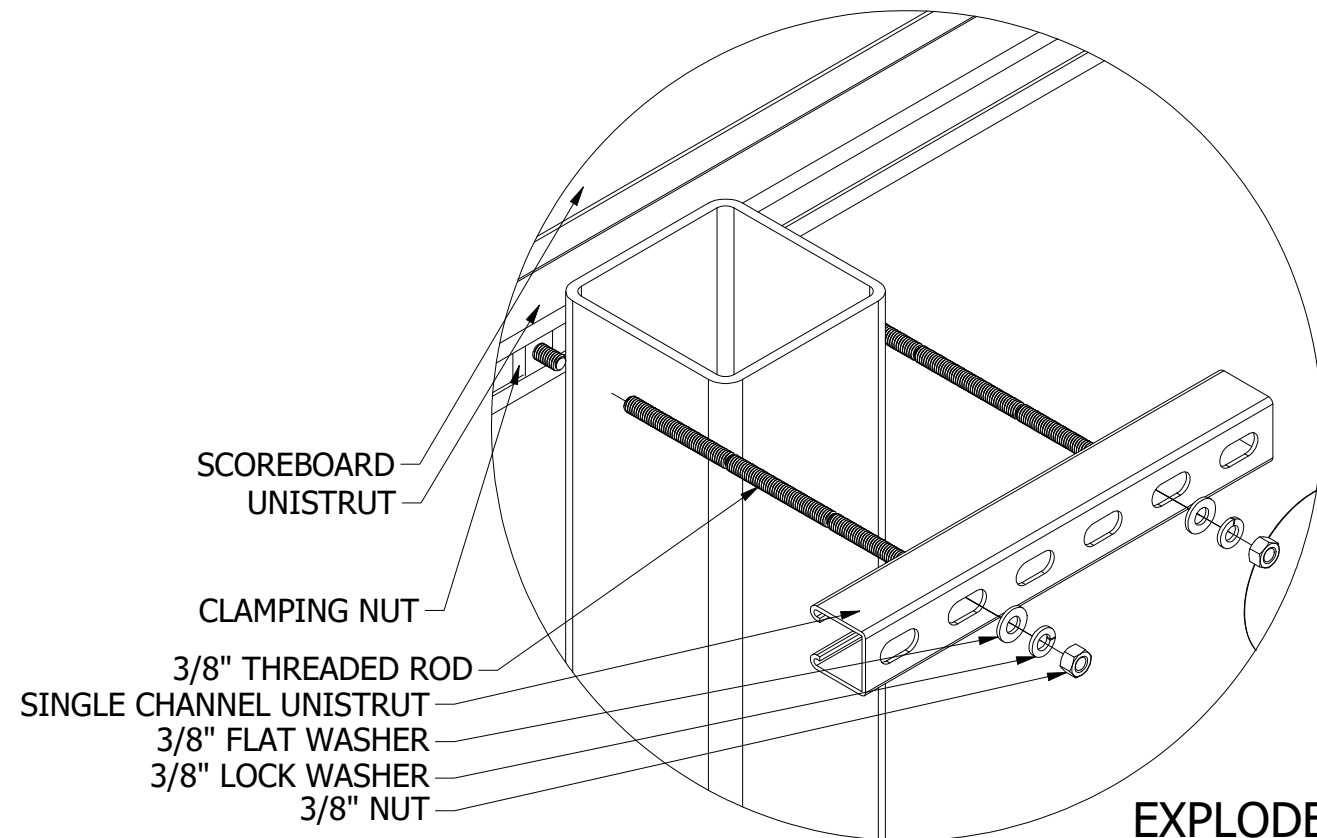
2 OF 3



ISOMETRIC VIEW



TOP VIEW



EXPLODED VIEW

OUTDOOR SCOREBOARD INSTALLATION: MOUNTING TO HSS POST

1. INSERT CLAMPING NUTS INTO THE UNISTRUT ALONG THE BACK OF THE SCOREBOARD. TURN CLAMPING NUTS TO VERTICAL POSITION TO LOCK IN PLACE. CLAMPING NUTS ARE TO BE USED IN PAIRS AT ALL POST LOCATIONS ALONG ALL INSTALLED UNISTRUT CHANNELS.

2. CUT THREADED ROD TO LENGTH (WILL DEPEND ON POST DIMENSIONS)

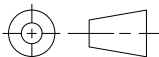
3. LIFT SCOREBOARD INTO POSITION. ASSEMBLE THE THREADED ROD, WASHERS, AND 3/8" NUT. ADJUST CLAMPING NUT LOCATION IF NEEDED TO MOVE THE THREADED ROD CLOSER TO THE POST.

4. TIGHTEN ALL NUTS TO 19 FT-LB OF TORQUE.

MOUNTING HARDWARE FOR HSS POSTS CAN BE SUPPLIED BY OES UPON REQUEST. POST DIMENSIONS MUST BE PROVIDED BY THE CUSTOMER TO DETERMINE UNISTRUT AND THREADED ROD LENGTHS.

IMPORTANT NOTES:

1. DO NOT USE LUBRICANT ON ANY MOUNTING HARDWARE.
2. SCOREBOARD MUST BE ATTACHED AT ALL LOCATIONS WHERE A POST CROSSES A ROW OF UNISTRUT.
3. POSTS AND FOOTINGS SHOULD BE APPROVED BY A PROFESSIONAL ENGINEER FAMILIAR WITH LOCAL BUILDING CODES. OES-PROVIDED POST SPECIFICATIONS ARE FOR COST ESTIMATION PURPOSES ONLY.

PART NUMBER: N/A		 4096 Blakie Road, London, ON, N6L 1P7 Tel: (519) 652-5833 Fax: (519) 652-3795 Email: oes@oes-inc.com		
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THIRD ANGLE PROJECTION 	SIZE	FILENAME Installation Drawings - Outdoor.idw	INIT DRAWING DATE 12/13/2021	REV
	B	USAGE USE FOR CONSTRUCTION		B
SCALE NTS		DRAWN BY rdonald	PAGE 3 OF 3	