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ADD NOTES

2022-3-1

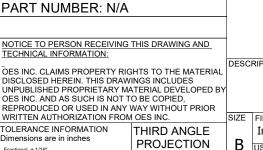
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OES INSTALLATION DRAWINGS OUTDOOR SCOREBOARDS

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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.



RANCE INFORMATION sissions are in inches lal ±1/16"
Ince Decimals ±0.02"
Iace Decimals ±0.005"
Ince Decimals ±0.0005"
Ince Decimals ±0.00



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

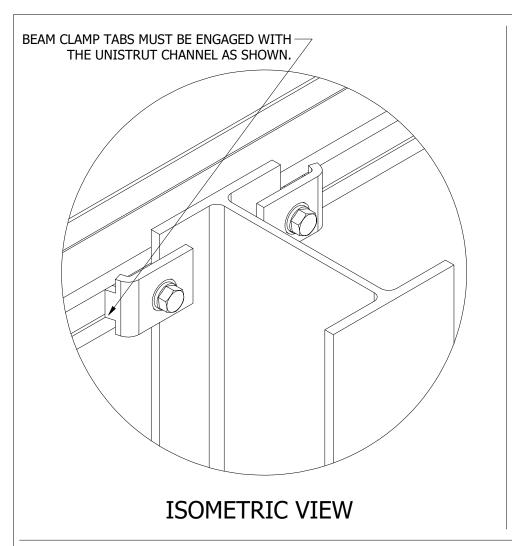
INIT DRAWING DATE

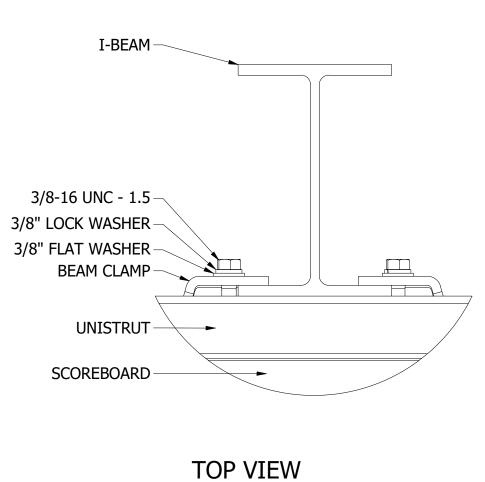
INSTALL DRAWINGS - OUTDOOR OES ELECTRONIC SCOREBOARDS

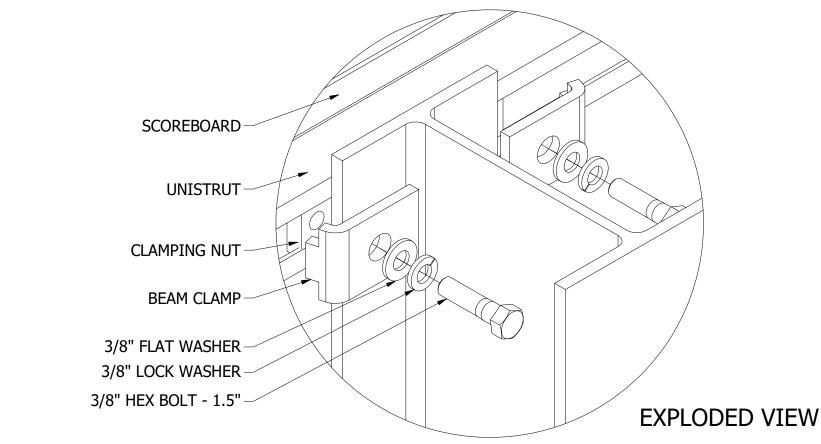
B USAGE FILENAME Installation Drawings - Outdoor.idw

on Drawings - Outdoor.idw 12/13/2021
USE FOR CONSTRUCTION

SCALE NTS DRAWN BY rdonald PAGE 1 OF 3







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.



NOTICE TO PERSON RECEIVING THIS DRAWING AND

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THIRD ANGLE

PROJECTION

TOLERANCE INFORMATION

hree Place Decimals ± 0.005



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INSTALL DRAWINGS - OUTDOOR OES ELECTRONIC SCOREBOARDS

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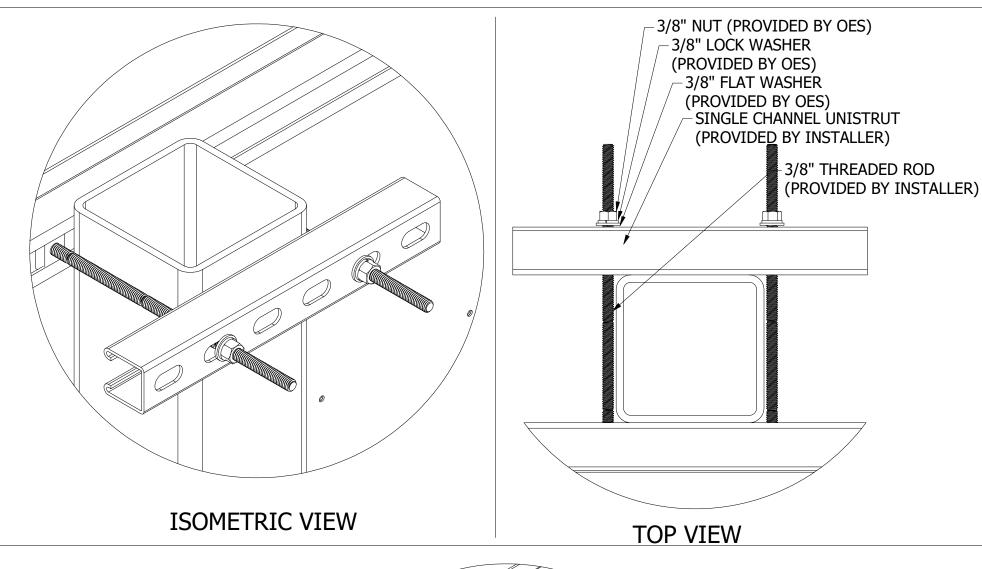
USE FOR CONSTRUCTION

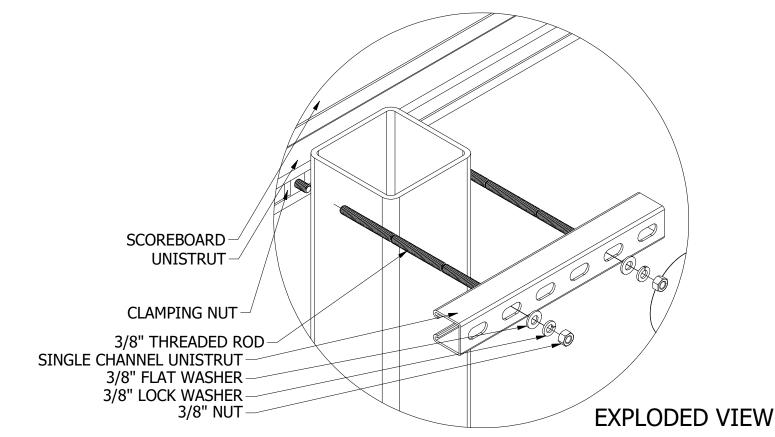
SCALE NTS DRAWN BY rdonald

PAGE 2 OF 3

INIT DRAWING DATE

12/13/2021





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.



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TOLERANCE INFORMATION
Dimensions are in inches

Fractional $\pm 1/16$ *
Two Place Decimals ± 0.02 *
Three Place Decimals ± 0.005





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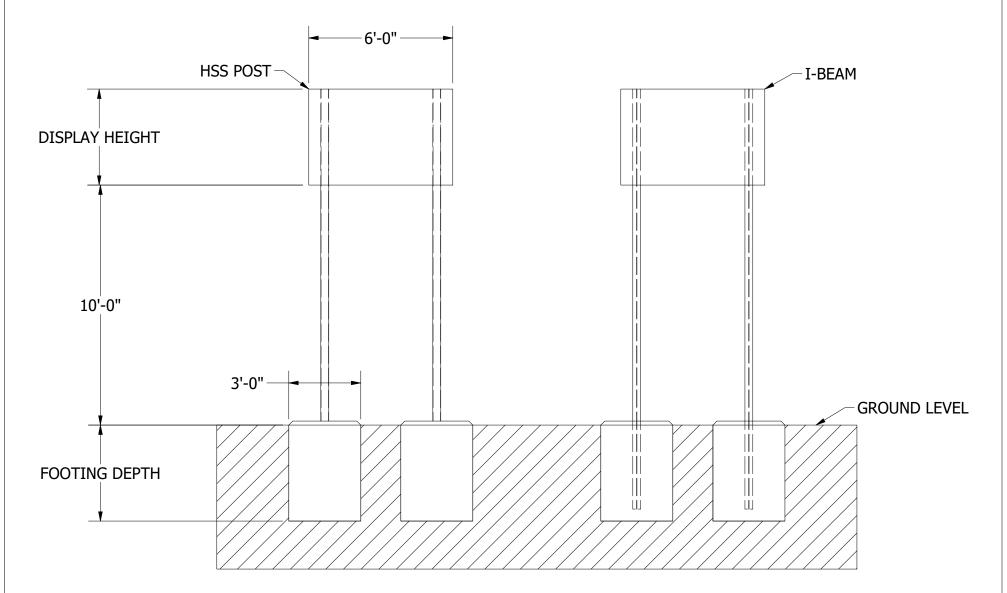
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12/13/2021

INIT DRAWING DATE

USE FOR CONSTRUCTION

SCALE NTS DRAWN BY rdonald PAGE 3 OF 3



ı	PUST 8	FOOTING	GUIDE (6'	DISDI	.AY WIDTH)
	rusia	DOLLING	GOIDE 10	DISEL	AI WIDIII

				FU31 & 10011	NG GOIDE (O D	ISPLAT WIDTH)			
DISPLAY HEIGHT	WIND SPEED>	EXPOSURE B 90 MPH	EXPOSURE B 110 MPH	EXPOSURE B 130 MPH	EXPOSURE B 150 MPH	EXPOSURE C 90 MPH	EXPOSURE C 110 MPH	EXPOSURE C 130 MPH	EXPOSURE C 150 MPH
	I-BEAM	W6X9	W6X9	W6X9	W6X9	W6X9	W6X9	W6X9	W6X9
4'	HSS POST	HSS3X3X1/8	HSS3-1/2X3-1/2X1/8	HSS4X4X1/8	HSS5X5X1/8	HSS3-1/2X3-1/2X1/8	HSS4X4X1/8	HSS5X5X1/8	HSS5X5X3/16
	FOOTING	3'X2.71'	3'X3.12'	3'X3.52'	3'X3.9'	3'X3.11'	3'X3.59'	3'X4.05'	3'X4.49'
	I-BEAM	W6X9	W6X9	W6X9	W6X9	W6X9	W6X9	W6X9	W6X12
6'	HSS POST	HSS3-1/2X3-1/2X1/8	HSS4X4X1/8	HSS5X5X1/8	HSS5X5X3/16	HSS4X4X1/8	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16
	FOOTING	3'X3.22'	3'X3.72'	3'X4.19'	3'X4.65'	3'X3.69'	3'X4.27'	3'X4.82'	3'X5.35'
	I-BEAM	W6X9	W6X9	W6X9	W6X12	W6X9	W6X9	W6X12	W8X13
8'	HSS POST	HSS4X4X1/8	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16
	FOOTING	3'X3.69'	3'X4.26'	3'X4.8'	3'X5.33'	3'X4.22'	3'X4.88'	3'X5.51'	3'X6.12'
	I-BEAM	W6X9	W6X9	W6X12	W8X13	W6X9	W6X12	W8X13	W10X15
10'	HSS POST	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16
	FOOTING	3'X4.12'	3'X4.75'	3'X5.37'	3'X5.96'	3'X4.7'	3'X5.43'	3'X6.14'	3'X6.82'
	I-BEAM	W6X9	W6X12	W8X13	W10X15	W6X9	W8X13	W10X15	W12X16
12'	HSS POST	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16
	FOOTING	3'X4.52'	3'X5.22'	3'X5.89'	3'X6.54'	3'X5.15'	3'X5.95'	3'X6.73'	3'X7.47'

IMPORTANT NOTE:

THIS DRAWING IS INTENDED AS A TOOL FOR ESTIMATING INSTALLATION COSTS ONLY. THE INFORMATION WITHIN HAS NOT BEEN VALIDATED BY A PROFESSIONAL ENGINEER, AND THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION. CONSULT LOCAL BUILDING CODES AND SEEK PROPER STAMPED DRAWINGS PRIOR TO CONSTRUCTION. OES IS NOT RESPONSIBLE FOR DAMAGES TO PROPERTY AND PERSONS IF THE INFORMATION WITHIN THIS DRAWING IS USED BEYOND ITS SCOPE.

OTHER NOTES:

- 1. DISPLAY HEIGHT AND DISPLAY WIDTH ARE MADE UP OF ANY COMBINATION OF SCOREBOARDS. AD PANELS, OR TRUSSES.
- 2. FOR DISPLAY HEIGHTS OR WIND SPEEDS BETWEEN THE TABULATED VALUES, ROUND UP TO THE NEXT LARGEST DISPLAY HEIGHT AND/OR WIND SPEED TO ESTIMATE POST REQUIREMENTS.
- 3. ASSUMPTIONS:

Angular 30°

- SCOREBOARD IS MOUNTED ON TWO POSTS.
- BOTTOM OF THE SCOREBOARD IS 10' ABOVE GROUND LEVEL.
- FOOTING DEPTH CALCULATED USING A 3' FOOTING DIAMETER.
- POSTS ARE ASSUMED TO BE A36 (36KSI) STEEL.
- SOIL LATERAL BEARING PRESSURE IS TAKEN AS 100 PSF.
- 4. POST SIZING CALCULATIONS PERFORMED ACCORDING TO ASCE7-10. I-BEAM AND TUBE PROPERTIES FROM AISC VERSION 13.0 CD DATABASE AND AISC 13TH EDITION MANUAL.
- 5. FOR A POST & FOOTING ESTIMATE USING CUSTOM PARAMETERS, PLEASE CONTACT OES.

EXPOSURE CATEGORIES - GENERAL DEFINITIONS:

EXPOSURE B: URBAN AND SUBURBAN AREAS, WOODED AREAS, OR OTHER TERRAIN WITH NUMEROUS CLOSELY SPACED OBSTRUCTIONS HAVING THE SIZE OF SINGLE-FAMILY DWELLINGS OR LARGER. THESE AREAS PREVAIL IN THE UPWIND DIRECTION FOR A DISTANCE OF 2600 FT OR 20 TIMES THE STRUCTURE HEIGHT, WHICHEVER IS GREATER.

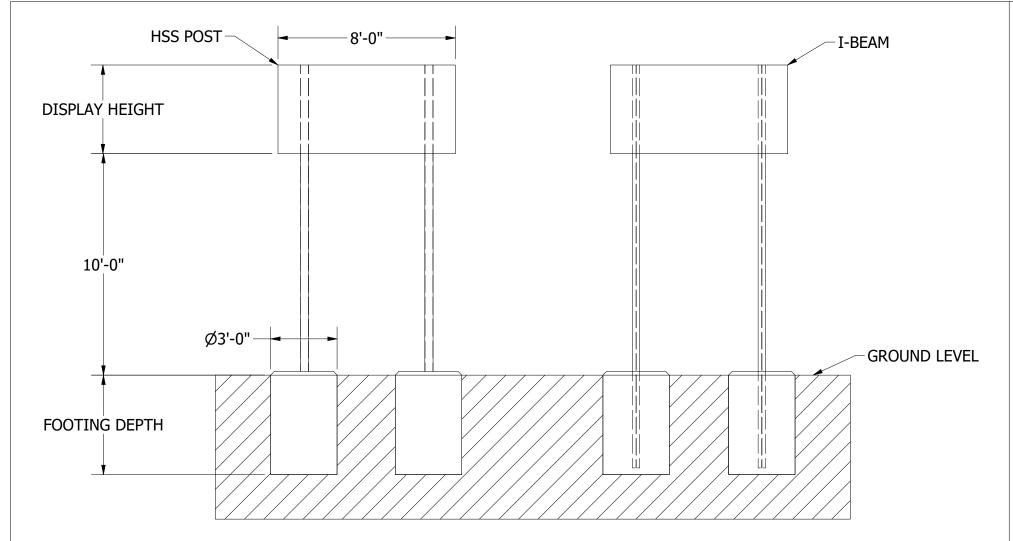
EXPOSURE C: OPEN TERRAIN WITH SCATTERED OBSTRUCTIONS HAVING HEIGHTS GENERALLY LESS THAN 30 FT. THIS CATEGORY INCLUDES FLAT OPEN COUNTRY, GRASSLANDS, AND ALL WATER SURFACES IN HURRICANE PRONE AREAS.

_			F	REVISION	HIST	ORY			
	REV	DESCI	RIP	TION		DATE		APPROV	ΈD
-	Α	INITIAL	RE	LEASE		2021-11	-10	RD	
PART NUME	BER: N/	Ά			ES	Lond Tel:	don, Ol (519)	e Road, N, N6L 1P7 652-5833 652-3795	
NOTICE TO PERSO TECHNICAL INFOR		NG THIS DRAWING AND		SCORE	BOARDS	Ema		@oes-inc.com	
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WRITTEN AUTHOR TOLERANCE INFOR Dimensions are in inc	RMATION	OM OES INC. THIRD ANGLE PROJECTION	size B	Post G	Guide	6'.idw		21-11-10	REV
Two Place Decimals ± 0.02* Three Place Decimals ± 0.005	-								

DRAWN BY rdonald

| PAGE 1 OF 1

SCALE NTS



				POST & FOOTI	NG GUIDE (8' D	ISPLAY WIDTH)	1		
DISPLAY HEIGHT	WIND SPEED>	EXPOSURE B 90 MPH	EXPOSURE B 110 MPH	EXPOSURE B 130 MPH	EXPOSURE B 150 MPH	EXPOSURE C 90 MPH	EXPOSURE C 110 MPH	EXPOSURE C 130 MPH	EXPOSURE C 150 MPH
	I-BEAM	W6X9	W6X9	W6X9	W6X9	W6X9	W6X9	W6X9	W6X9
4'	HSS POST	HSS3X3X1/8	HSS4X4X1/8	HSS5X5X1/8	HSS5X5X1/8	HSS4X4X1/8	HSS5X5X1/8	HSS5X5X3/16	HSS5X5X3/16
	FOOTING	3'X3'	3'X3.46'	3'X3.9'	3'X4.33'	3'X3.44'	3'X3.98'	3'X4.49'	3'X4.99'
	I-BEAM	W6X9	W6X9	W6X9	W6X9	W6X9	W6X9	W6X12	W8X13
6'	HSS POST	HSS4X4X1/8	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16
	FOOTING	3'X3.57'	3'X4.12'	3'X4.65'	3'X5.16'	3'X4.1'	3'X4.74'	3'X5.35'	3'X5.94'
	I-BEAM	W6X9	W6X9	W6X12	W8X13	W6X9	W6X12	W8X13	W10X15
8'	HSS POST	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16
	FOOTING	3'X4.09'	3'X4.72'	3'X5.33'	3'X5.92'	3'X4.68'	3'X5.41'	3'X6.12'	3'X6.8'
	I-BEAM	W6X9	W6X12	W8X13	W10X15	W6X12	W8X13	W10X15	W12X16
10'	HSS POST	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16
	FOOTING	3'X4.56'	3'X5.28'	3'X5.96'	3'X6.62'	3'X5.21'	3'X6.03'	3'X6.82'	3'X7.59'
	I-BEAM	W6X9	W8X13	W10X15	W12X16	W8X13	W10X15	W12X16	W12X19
12'	HSS POST	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS6X6X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4
	FOOTING	3'X5.01'	3'X5.79'	3'X6.55'	3'X7.27'	3'X5.71'	3'X6.61'	3'X7.48'	3'X8.32'
	I-BEAM	W6X12	W8X13	W10X15	W12X19	W8X13	W12X16	W12X19	W14X22
14'	HSS POST	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X1/4	HSS7X7X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS10X10X1/4
	FOOTING	3'X5.44'	3'X6.29'	3'X7.1'	3'X7.9'	3'X6.18'	3'X7.16'	3'X8.1'	3'X9.01'
	I-BEAM	W8X13	W10X15	W12X16	W12X22	W10X15	W12X16	W12X22	W12X26
16'	HSS POST	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS8X8X3/16	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4
	FOOTING	3'X5.84'	3'X6.76'	3'X7.64'	3'X8.49'	3'X6.63'	3'X7.68'	3'X8.69'	3'X9.67'

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- 2. FOR DISPLAY HEIGHTS OR WIND SPEEDS BETWEEN THE TABULATED VALUES, ROUND UP TO THE NEXT LARGEST DISPLAY HEIGHT AND/OR WIND SPEED TO ESTIMATE POST REQUIREMENTS.
- 3. ASSUMPTIONS:
- SCOREBOARD IS MOUNTED ON TWO POSTS.
- BOTTOM OF THE SCOREBOARD IS 10' ABOVE GROUND LEVEL.
- FOOTING DEPTH CALCULATED USING A 3' FOOTING DIAMETER.
- POSTS ARE ASSUMED TO BE A36 (36KSI) STEEL.
- SOIL LATERAL BEARING PRESSURE IS TAKEN AS 100 PSF.
- 4. POST SIZING CALCULATIONS PERFORMED ACCORDING TO ASCE7-10. I-BEAM AND TUBE PROPERTIES FROM AISC VERSION 13.0 CD DATABASE AND AISC 13TH EDITION MANUAL.
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EXPOSURE CATEGORIES - GENERAL DEFINITIONS:

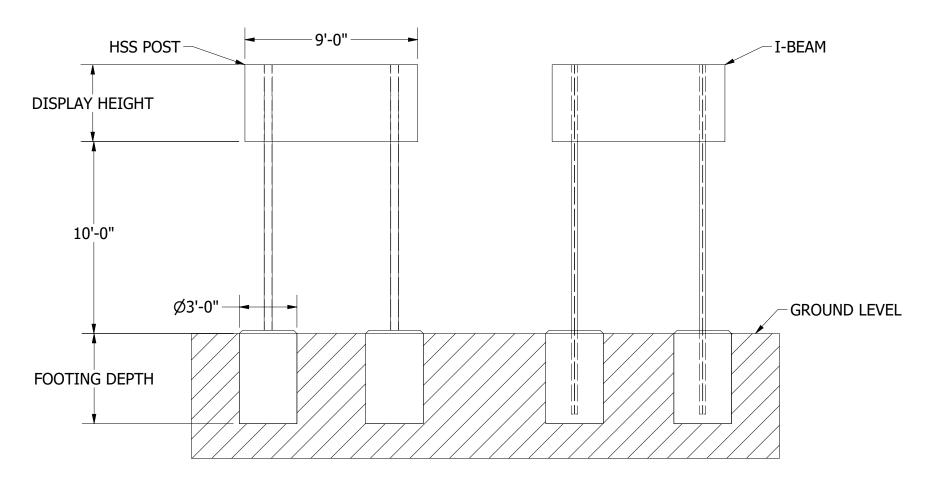
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EXPOSURE C: OPEN TERRAIN WITH SCATTERED OBSTRUCTIONS HAVING HEIGHTS GENERALLY LESS THAN 30 FT. THIS CATEGORY INCLUDES FLAT OPEN COUNTRY, GRASSLANDS, AND ALL WATER SURFACES IN HURRICANE PRONE AREAS.

				F	REVISION HIST	ORY			
		REV	DESC	RIP	TION	DATE		APPROV	ΈD
		Α	INITIAL	RE	LEASE	2021-11	-10	RD	
	PART NUME	BER: N/A			DES	Lond Tel:	(519) 6	Road, I, N6L 1P7 552-5833 552-3795	
_	NOTICE TO PERSO TECHNICAL INFOR		THIS DRAWING AND		SCOREBOARDS	Ema		oes-inc.com	
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	WRITTEN AUTHOR		1	SIZE	FILENAME			RAWING DATE	REV
_	TOLERANCE INFOR Dimensions are in inc		THIRD ANGLE PROJECTION	В	Post Guide	8'.idw	202	21-11-10	A
	Two Diose Desimals + 0.02*			l .					1

DRAWN BY rdonald

SCALE NTS



				POST & FOOTI	NG GUIDE (9' D	(SPLAY WIDTH)				
DISPLAY HEIGHT	WIND SPEED>	EXPOSURE B 90 MPH	EXPOSURE B 110 MPH	EXPOSURE B 130 MPH	EXPOSURE B 150 MPH	EXPOSURE C 90 MPH	EXPOSURE C 110 MPH	EXPOSURE C 130 MPH	EXPOSURE C 150 MPH	
	I-BEAM	W6X9	W6X9	W6X9	W6X9	W6X9	W6X9	W6X9	W6X9	
4'	HSS POST	HSS3-1/2X3-1/2X1/8	HSS4X4X1/8	HSS5X5X1/8	HSS5X5X3/16	HSS4X4X1/8	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16	
	FOOTING	3'X3.13'	3'X3.61'	3'X4.07'	3'X4.52'	3'X3.59'	3'X4.15'	3'X4.69'	3'X5.21'	
	I-BEAM	W6X9	W6X9	W6X9	W6X12	W6X9	W6X9	W6X12	W8X13	
6'	HSS POST	HSS4X4X1/8	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	
	FOOTING	3'X3.72'	3'X4.3'	3'X4.85'	3'X5.39'	3'X4.27'	3'X4.94'	3'X5.59'	3'X6.21'	
	I-BEAM	W6X9	W6X9	W6X12	W8X13	W6X9	W6X12	W8X13	W10X15	
8'	HSS POST	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	
	FOOTING	3'X4.26'	3'X4.93'	3'X5.57'	3'X6.18'	3'X4.88'	3'X5.65'	3'X6.39'	3'X7.11'	
	I-BEAM	W6X9	W6X12	W8X13	W10X15	W6X12	W8X13	W10X15	W12X19	
10'	HSS POST	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS8X8X1/4	
	FOOTING	3'X4.76'	3'X5.51'	3'X6.22'	3'X6.91'	3'X5.44'	3'X6.3'	3'X7.13'	3'X7.93'	
	I-BEAM	W6X12	W8X13	W10X15	W12X16	W8X13	W10X15	W12X19	W12X22	Τ,
12'	HSS POST	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS10X10X1/4	<u> </u>
	FOOTING	3'X5.23'	3'X6.05'	3'X6.84'	3'X7.6'	3'X5.96'	3'X6.9'	3'X7.81'	3'X8.69'	L
	I-BEAM	W8X13	W10X15	W12X16	W12X19	W10X15	W12X16	W12X22	W14X22	
14'	HSS POST	HSS6X6X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	7
	FOOTING	3'X5.67'	3'X6.56'	3'X7.42'	3'X8.25'	3'X6.45'	3'X7.48'	3'X8.46'	3'X9.42'	Į
	I-BEAM	W8X13	W10X15	W12X19	W12X22	W10X15	W12X19	W14X22	W16X26	(F
16'	HSS POST	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4	١
	FOOTING	3'X6.1'	3'X7.06'	3'X7.98'	3'X8.87'	3'X6.92'	3'X8.02'	3'X9.08'	3'X10.11'	Ċ
	I-BEAM	W10X15	W12X16	W12X22	W12X26	W12X16	W12X22	W12X26	W16X31]
18'	HSS POST	HSS8X8X3/16	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	
1	FOOTING	3'X6.51'	3'X7.53'	3'X8.52'	3'X9.47'	3'X7.37'	3'X8.55'	3'X9.67'	3'X10.77'	1

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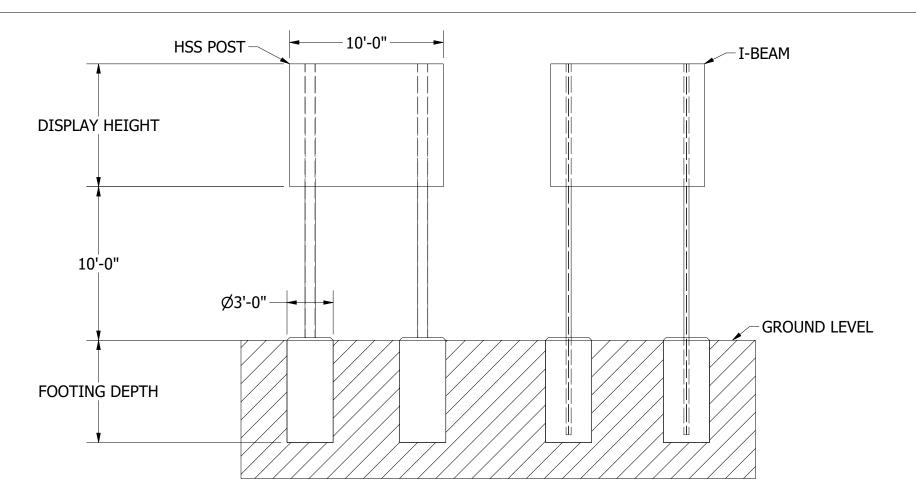
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		l	REVISION HIST	ORY			
REV	DESC	RIP	TION	DATE		APPROV	ED
Α	INITIAL	_ RE	ELEASE	2021-11	-10	RD	
PART NUMBER: N/A	4		DES	Lond Tel:	(519) 6	, N6L 1P7 52-5833	
NOTICE TO PERSON RECEIVIN TECHNICAL INFORMATION:	G THIS DRAWING AND	Fax: (519) 652-3795 Email: oes@oes-inc.com					
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WRITTEN AUTHORIZATION FRO		SIZE	Post Guide	9'.idw		RAWING DATE 21-11-10	REV
Dimensions are in inches Fractional ± 1/16" Two Place Decimals ± 0.02"	PROJECTION	В	USAGE	3 11477	202	-1 11 10	A
Three Place Decimals ± 0.005"	I ((+++++++++++++++++++++++++++++++++++						_

SCALE NTS

DRAWN BY rdonald



				POST & FOOTIN	NG GUIDE (10' D	ISPLAY WIDTH)		
DISPLAY HEIGHT	WIND SPEED>	EXPOSURE B 90 MPH	EXPOSURE B 110 MPH	EXPOSURE B 130 MPH	EXPOSURE B 150 MPH	EXPOSURE C 90 MPH	EXPOSURE C 110 MPH	EXPOSURE C 130 MPH	EXPOSURE C 150 MPH
	I-BEAM	W6X9	W6X9	W6X9	W6X12	W6X9	W6X9	W6X12	W8X13
6'	HSS POST	HSS5X5X1/8	HSS5X5X3/16	HSS5X5X3/16	HSS6X6X3/16	HSS5X5X1/8	HSS6X6X3/16	HSS6X6X3/16	HSS7X7X3/16
	FOOTING	3'X3.86'	3'X4.47'	3'X5.04'	3'X5.6'	3'X4.44'	3'X5.14'	3'X5.81'	3'X6.46'
	I-BEAM	W6X9	W6X9	W8X13	W8X13	W6X9	W8X13	W10X15	W12X16
8'	HSS POST	HSS5X5X3/16	HSS6X6X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16
	FOOTING	3'X4.43'	3'X5.12'	3'X5.79'	3'X6.43'	3'X5.07'	3'X5.88'	3'X6.65'	3'X7.4'
	I-BEAM	W6X9	W6X12	W10X15	W10X15	W6X12	W10X15	W12X16	W12X19
10'	HSS POST	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS6X6X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4
	FOOTING	3'X4.95'	3'X5.72'	3'X6.47'	3'X7.19'	3'X5.65'	3'X6.55'	3'X7.41'	3'X8.25'
	I-BEAM	W6X12	W8X13	W10X15	W12X19	W8X13	W10X15	W12X19	W14X22
12'	HSS POST	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X1/4	HSS7X7X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS10X10X1/4
	FOOTING	3'X5.43'	3'X6.29'	3'X7.11'	3'X7.9'	3'X6.19'	3'X7.18'	3'X8.12'	3'X9.04'
	I-BEAM	W8X13	W10X15	W12X16	W12X22	W10X15	W12X19	W12X22	W12X26
14'	HSS POST	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS8X8X3/16	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4
	FOOTING	3'X5.89'	3'X6.82'	3'X7.71'	3'X8.58'	3'X6.71'	3'X7.77'	3'X8.8'	3'X9.8'
	I-BEAM	W10X15	W12X16	W12X19	W14X22	W12X16	W12X19	W12X26	W14X30
16'	HSS POST	HSS7X7X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X1/4
	FOOTING	3'X6.34'	3'X7.33'	3'X8.29'	3'X9.23'	3'X7.19'	3'X8.34'	3'X9.44'	3'X10.51'
	I-BEAM	W10X15	W12X19	W14X22	W16X26	W12X19	W14X22	W16X26	W14X34
18'	HSS POST	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16
	FOOTING	3'X6.76'	3'X7.83'	3'X8.86'	3'X9.85'	3'X7.66'	3'X8.89'	3'X10.06'	3'X11.2'
	I-BEAM	W12X16	W12X22	W12X26	W14X30	W12X19	W12X26	W16X31	W18X35
20'	HSS POST	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X1/4	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16
	FOOTING	3'X7.18'	3'X8.31'	3'X9.4'	3'X10.46'	3'X8.12'	3'X9.41'	3'X10.66'	3'X11.87'

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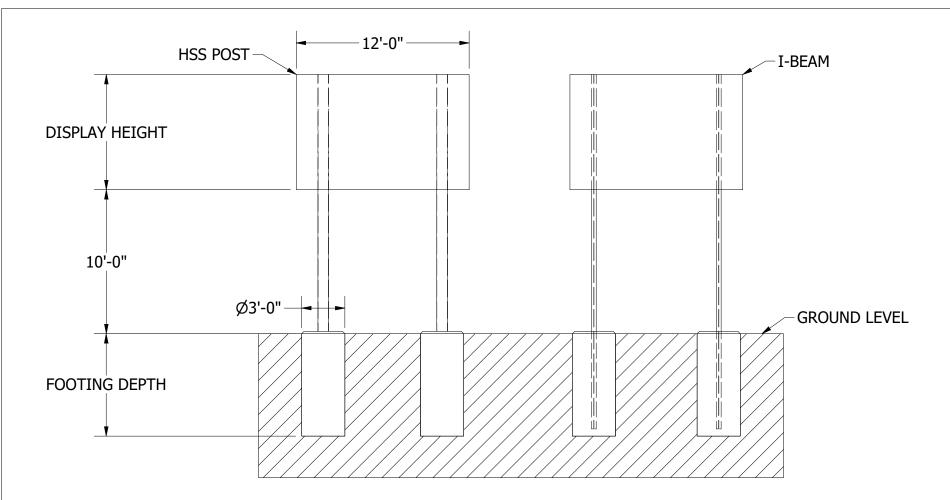
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			I	REVISION HIST	ORY			
	REV	DESC	RIP	TION	DATE		APPROV	ED
	Α	INITIAL	RE	ELEASE	2021-11	-10	RD	
TECHNICAL INFOR OES INC. CLAIMS F DISCLOSED HERE UNPUBLISHED PRI OES INC. AND AS S REPRODUCED OR	ON RECEIVING MATION: PROPERTY R IN. THIS DRAN OPRIETARY M SUCH IS NOT USED IN ANY	G THIS DRAWING AND IGHTS TO THE MATERIAL WINGS INCLUDES JATERIAL DEVELOPED BY TO BE COPIED, (WAY WITHOUT PRIOR		SCOREBOARDS POST & FOOT INSTALLAT	Lond Tel: Fax: Ema	(519) 6 (519) 6 iil: oes@ E - 10	, N6L 1P7 52-5833 52-3795 Does-inc.com	
WRITTEN AUTHOR TOLERANCE INFOF Dimensions are in ine Fractional ± 1/16" Two Place Decimals ± 0.02"	RMATION	THIRD ANGLE PROJECTION	size B	Post Guide USAGE	10'.idw		RAWING DATE	REV A

SCALE NTS

DRAWN BY rdonald



				POST & FOOTIN	NG GUIDE (12' D	ISPLAY WIDTH)		
DISPLAY HEIGHT	WIND SPEED>	EXPOSURE B 90 MPH	EXPOSURE B 110 MPH	EXPOSURE B 130 MPH	EXPOSURE B 150 MPH	EXPOSURE C 90 MPH	EXPOSURE C 110 MPH	EXPOSURE C 130 MPH	EXPOSURE C 150 MPH
	I-BEAM	W6X9	W6X9	W6X12	W8X13	W6X9	W6X12	W8X13	W10X15
6'	HSS POST	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16
	FOOTING	3'X4.13'	3'X4.77'	3'X5.39'	3'X5.99'	3'X4.74'	3'X5.49'	3'X6.21'	3'X6.91'
	I-BEAM	W6X9	W6X12	W8X13	W10X15	W6X12	W8X13	W10X15	W12X19
8'	HSS POST	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16
	FOOTING	3'X4.73'	3'X5.47'	3'X6.19'	3'X6.88'	3'X5.42'	3'X6.28'	3'X7.11'	3'X7.92'
	I-BEAM	W6X12	W8X13	W10X15	W12X16	W8X13	W10X15	W12X19	W12X22
10'	HSS POST	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS8X8X1/4	HSS10X10X1/4
	FOOTING	3'X5.28'	3'X6.12'	3'X6.92'	3'X7.69'	3'X6.04'	3'X7.01'	3'X7.93'	3'X8.83'
	I-BEAM	W8X13	W10X15	W12X16	W12X22	W10X15	W12X16	W12X22	W12X26
12'	HSS POST	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS8X8X3/16	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4
	FOOTING	3'X5.8'	3'X6.72'	3'X7.6'	3'X8.46'	3'X6.62'	3'X7.68'	3'X8.7'	3'X9.69'
	I-BEAM	W8X13	W12X16	W12X19	W14X22	W12X16	W12X19	W12X26	W14X30
14'	HSS POST	HSS7X7X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X1/4
	FOOTING	3'X6.3'	3'X7.29'	3'X8.25'	3'X9.18'	3'X7.17'	3'X8.32'	3'X9.42'	3'X10.5'
	I-BEAM	W10X15	W12X19	W12X22	W16X26	W12X19	W14X22	W16X26	W14X34
16'	HSS POST	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16
	FOOTING	3'X6.77'	3'X7.84'	3'X8.88'	3'X9.88'	3'X7.69'	3'X8.92'	3'X10.11'	3'X11.27'
	I-BEAM	W12X16	W12X22	W12X26	W14X30	W12X19	W12X26	W16X31	W18X35
18'	HSS POST	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X1/4	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16
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	I-BEAM	W12X19	W14X22	W16X26	W14X34	W12X22	W16X26	W18X35	W18X40
20'	HSS POST	HSS8X8X1/4	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS10X10X1/4	HSS12X12X1/4	HSS14X14X5/16	HSS14X14X5/16
	FOOTING	3'X7.67'	3'X8.89'	3'X10.06'	3'X11.2'	3'X8.68'	3'X10.07'	3'X11.42'	3'X12.72'

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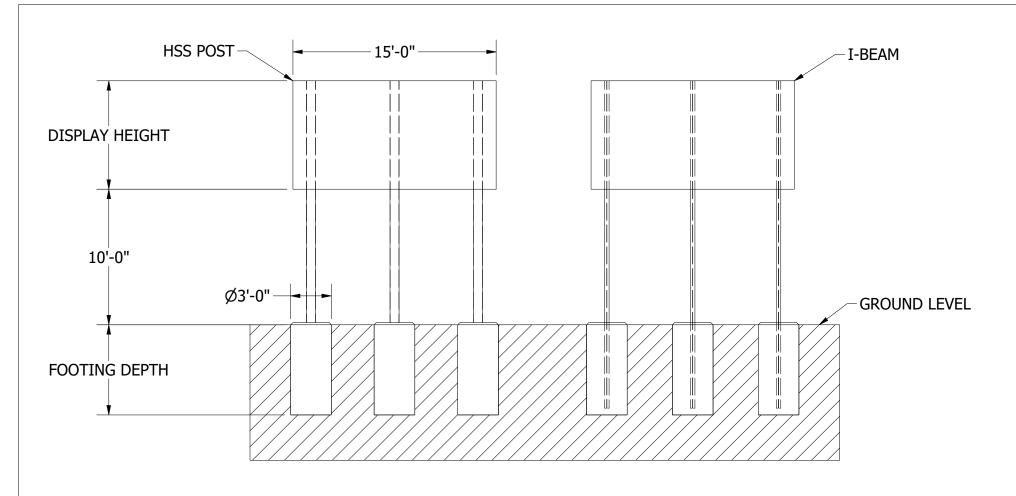
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			F	REVISION HIST	ORY			
	REV	DESC	RIP	TION	DATE		APPROV	ED
	Α	INITIAL	RE	LEASE	2021-11-	-10	RD	
PART NUMB	N RECEIVIN	A IG THIS DRAWING AND		OES SCOREBOARDS	Lond Tel: Fax:	(519) 6 (519) 6	Road, l, N6L 1P7 :52-5833 :52-3795 goes-inc.com	
DISCLOSED HEREI UNPUBLISHED PRO OES INC. AND AS S	N. THIS DRA OPRIETARY SUCH IS NOT USED IN AN	MATERIAL DEVELOPED BY T TO BE COPIED, IY WAY WITHOUT PRIOR	SIZE	POST & FOOT INSTALLAT		RUC		REV
TOLERANCE INFORDimensions are in incorporate in the Fractional ± 1/16" Two Place Decimals ± 0.02*	RMATION	THIRD ANGLE PROJECTION	В	Post Guide	12'.idw		21-11-10	A

SCALE NTS

DRAWN BY rdonald

| PAGE 1 OF 1



POST & FOOTING GUIDE (15' DISPLAY WIDTH)												
DISPLAY HEIGHT	WIND SPEED>	EXPOSURE B 90 MPH	EXPOSURE B 110 MPH	EXPOSURE B 130 MPH	EXPOSURE B 150 MPH	EXPOSURE C 90 MPH	EXPOSURE C 110 MPH	EXPOSURE C 130 MPH	EXPOSURE C 150 MPH			
	I-BEAM	W6X9	W6X9	W6X9	W6X12	W6X9	W6X9	W6X12	W8X13			
6'	HSS POST	HSS5X5X1/8	HSS5X5X3/16	HSS5X5X3/16	HSS6X6X3/16	HSS5X5X1/8	HSS6X6X3/16	HSS6X6X3/16	HSS7X7X3/16			
	FOOTING	3'X3.86'	3'X4.47'	3'X5.04'	3'X5.6'	3'X4.44'	3'X5.14'	3'X5.81'	3'X6.46'			
	I-BEAM	W6X9	W6X9	W8X13	W8X13	W6X9	W8X13	W10X15	W12X16			
8'	HSS POST	HSS5X5X3/16	HSS6X6X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16			
	FOOTING	3'X4.43'	3'X5.12'	3'X5.79'	3'X6.43'	3'X5.07'	3'X5.88'	3'X6.65'	3'X7.4'			
	I-BEAM	W6X9	W6X12	W10X15	W10X15	W6X12	W10X15	W12X16	W12X19			
10'	HSS POST	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS6X6X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4			
	FOOTING	3'X4.95'	3'X5.72'	3'X6.47'	3'X7.19'	3'X5.65'	3'X6.55'	3'X7.41'	3'X8.25'			
	I-BEAM	W6X12	W8X13	W10X15	W12X19	W8X13	W10X15	W12X19	W14X22			
12'	HSS POST	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X1/4	HSS7X7X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS10X10X1/4			
	FOOTING	3'X5.43'	3'X6.29'	3'X7.11'	3'X7.9'	3'X6.19'	3'X7.18'	3'X8.12'	3'X9.04'			
	I-BEAM	W8X13	W10X15	W12X16	W12X22	W10X15	W12X19	W12X22	W12X26			
14'	HSS POST	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS8X8X3/16	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4			
	FOOTING	3'X5.89'	3'X6.82'	3'X7.71'	3'X8.58'	3'X6.71'	3'X7.77'	3'X8.8'	3'X9.8'			
	I-BEAM	W10X15	W12X16	W12X19	W14X22	W12X16	W12X19	W12X26	W14X30			
16'	HSS POST	HSS7X7X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X1/4			
	FOOTING	3'X6.34'	3'X7.33'	3'X8.29'	3'X9.23'	3'X7.19'	3'X8.34'	3'X9.44'	3'X10.51'			
	I-BEAM	W10X15	W12X19	W14X22	W16X26	W12X19	W14X22	W16X26	W14X34			
18'	HSS POST	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16			
	FOOTING	3'X6.76'	3'X7.83'	3'X8.86'	3'X9.85'	3'X7.66'	3'X8.89'	3'X10.06'	3'X11.2'			
	I-BEAM	W12X16	W12X22	W12X26	W14X30	W12X19	W12X26	W16X31	W18X35			
20'	HSS POST	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X1/4	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16			
	FOOTING	3'X7.18'	3'X8.31'	3'X9.4'	3'X10.46'	3'X8.12'	3'X9.41'	3'X10.66'	3'X11.87'			

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OTHER NOTES:

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- BOTTOM OF THE SCOREBOARD IS 10' ABOVE GROUND LEVEL.
- FOOTING DEPTH CALCULATED USING A 3' FOOTING DIAMETER.
- POSTS ARE ASSUMED TO BE A36 (36KSI) STEEL.
- SOIL LATERAL BEARING PRESSURE IS TAKEN AS 100 PSF.
- 4. POST SIZING CALCULATIONS PERFORMED ACCORDING TO ASCE7-10. I-BEAM AND TUBE PROPERTIES FROM AISC VERSION 13.0 CD DATABASE AND AISC 13TH EDITION MANUAL.
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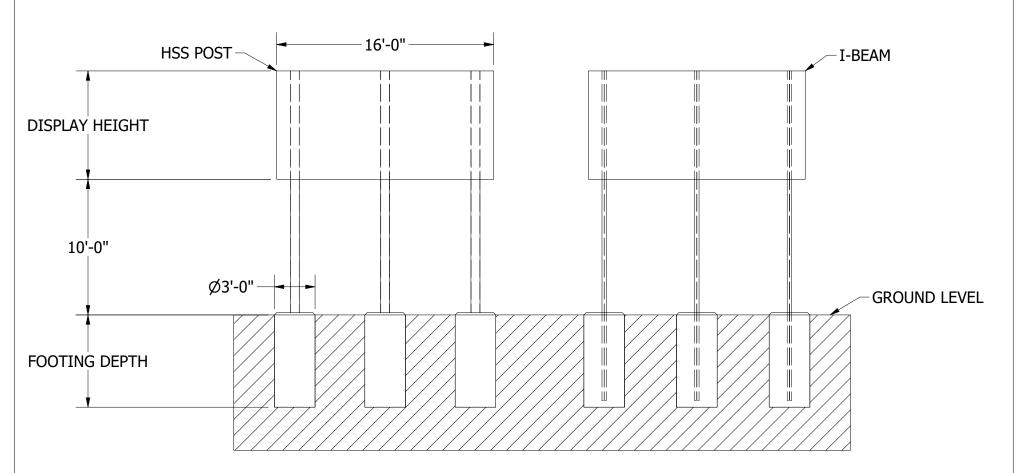
EXPOSURE C: OPEN TERRAIN WITH SCATTERED OBSTRUCTIONS HAVING HEIGHTS GENERALLY LESS THAN 30 FT. THIS CATEGORY INCLUDES FLAT OPEN COUNTRY, GRASSLANDS, AND ALL WATER SURFACES IN HURRICANE PRONE AREAS.

			REVISION HIST	ORY		
	REV	DESCI	RIPTION	DATE	APPROVE	ΕD
	Α	INITIAL	RELEASE	2021-11-10	RD	
	PART NUMBER: N/A NOTICE TO PERSON RECEIVING TECHNICAL INFORMATION: OES INC. CLAIMS PROPERTY RI DISCLOSED HEREIN. THIS DRAW UNPUBLISHED PROPRIETARY M OES INC. AND AS SUCH IS NOT	GHTS TO THE MATERIAL VINGS INCLUDES INCLUDES BY TO BE COPIED,	DES SCOREBOARDS DESCRIPTION POST & FOOT INSTALLAT	Tel: (519) Fax: (519) Email: oes	0N, N6L 1P7 0 652-5833 0 652-3795 s@oes-inc.com	
; 	REPRODUCED OR USED IN ANY WRITTEN AUTHORIZATION FRO TOLERANCE INFORMATION Dimensions are in inches Fractional ± 1/16* Two Place Decimals ± 0.02* Three Place Decimals ± 0.005*		B FILENAME Post Guide USAGE		DRAWING DATE	REV A

SCALE NTS

DRAWN BY rdonald

| PAGE 1 OF 1



	Y DOCT O FOOTING GUIDE (4 CL DECK)												
POST & FOOTING GUIDE (16' DISPLAY WIDTH)													
DISPLAY HEIGHT	WIND SPEED>	EXPOSURE B 90 MPH	EXPOSURE B 110 MPH	EXPOSURE B 130 MPH	EXPOSURE B 150 MPH	EXPOSURE C 90 MPH	EXPOSURE C 110 MPH	EXPOSURE C 130 MPH	EXPOSURE C 150 MPH				
	I-BEAM	W6X9	W6X9	W6X9	W6X12	W6X9	W6X9	W8X13	W10X15				
6'	HSS POST	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16	HSS6X6X3/16	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16				
	FOOTING	3'X3.95'	3'X4.57'	3'X5.16'	3'X5.73'	3'X4.54'	3'X5.26'	3'X5.95'	3'X6.62'				
	I-BEAM	W6X9	W6X12	W8X13	W10X15	W6X9	W8X13	W10X15	W12X16				
8'	HSS POST	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16				
	FOOTING	3'X4.53'	3'X5.24'	3'X5.92'	3'X6.58'	3'X5.2'	3'X6.02'	3'X6.81'	3'X7.58'				
	I-BEAM	W6X9	W8X13	W10X15	W12X16	W8X13	W10X15	W12X16	W12X19				
10'	HSS POST	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4				
	FOOTING	3'X5.06'	3'X5.86'	3'X6.62'	3'X7.36'	3'X5.79'	3'X6.71'	3'X7.59'	3'X8.45'				
	I-BEAM	W6X12	W10X15	W12X16	W12X19	W8X13	W12X16	W12X19	W14X22				
12'	HSS POST	HSS6X6X3/16	HSS7X7X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS7X7X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS10X10X1/4				
	FOOTING	3'X5.56'	3'X6.44'	3'X7.28'	3'X8.09'	3'X6.34'	3'X7.35'	3'X8.32'	3'X9.27'				
	I-BEAM	W8X13	W10X15	W12X19	W12X22	W10X15	W12X19	W14X22	W16X26				
14'	HSS POST	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4				
	FOOTING	3'X6.03'	3'X6.98'	3'X7.9'	3'X8.79'	3'X6.87'	3'X7.96'	3'X9.01'	3'X10.04'				
	I-BEAM	W10X15	W12X16	W12X22	W12X26	W12X16	W12X22	W12X26	W16X31				
16'	HSS POST	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16				
	FOOTING	3'X6.49'	3'X7.51'	3'X8.5'	3'X9.45'	3'X7.37'	3'X8.54'	3'X9.67'	3'X10.77'				
	I-BEAM	W10X15	W12X19	W14X22	W16X26	W12X19	W14X22	W16X26	W18X35				
18'	HSS POST	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4	HSS14X14X5/16				
	FOOTING	3'X6.92'	3'X8.02'	3'X9.07'	3'X10.09'	3'X7.85'	3'X9.1'	3'X10.31'	3'X11.48'				
	I-BEAM	W12X16	W12X22	W12X26	W16X31	W12X22	W12X26	W16X31	W16X40				
20'	HSS POST	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16				
	FOOTING	3'X7.35'	3'X8.51'	3'X9.63'	3'X10.71'	3'X8.31'	3'X9.64'	3'X10.92'	3'X12.17'				

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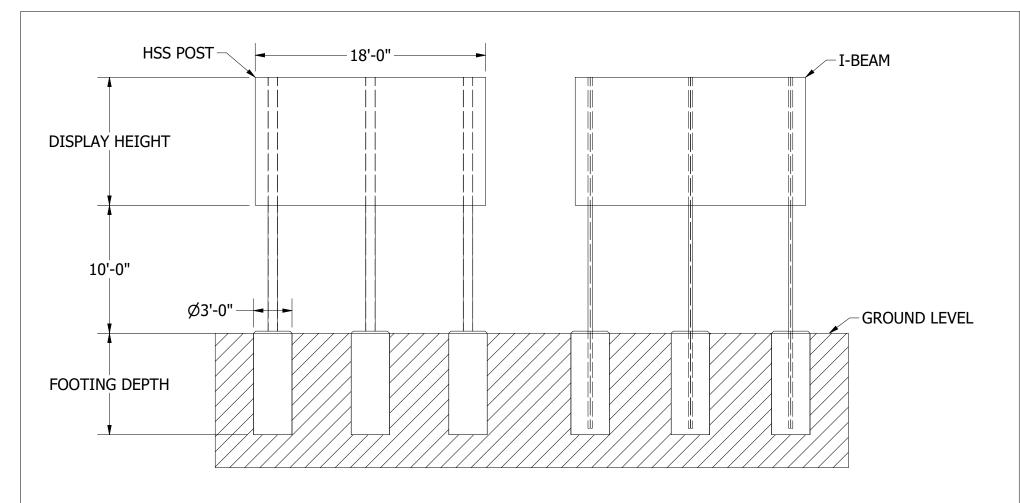
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			F	REVISION HIST	ORY			
	REV	DESC	RIP	TION	DATE	:	APPROVED	
	Α	INITIAL	RE	LEASE	2021-11	-10	RD	
TECHNICAL INFOR DES INC. CLAIMS F	ON RECEIVIN MATION: PROPERTY F	A IG THIS DRAWING AND RIGHTS TO THE MATERIAL WINGS INCLUDES	DESC	SCOREBOARDS RIPTION POST & FOOT	Lond Tel: Fax: Ema	(519) 6 (519) 6 ail: oes@	, N6L 1P7 52-5833 52-3795 Joes-inc.com	
UNPUBLISHED PRO OES INC. AND AS S REPRODUCED OR	OPRIETARY SUCH IS NO USED IN AN	MATERIAL DEVELOPED BY T TO BE COPIED, IY WAY WITHOUT PRIOR		INSTALLAT			_	
WRITTEN AUTHOR TOLERANCE INFOR Dimensions are in inc	RMATION	THIRD ANGLE PROJECTION	size B	Post Guide USAGE	16'.idw		RAWING DATE 21-11-10	REV A
Two Place Decimals ± 0.02"		1 4						

SCALE NTS

DRAWN BY rdonald



				POST & FOOTIN	NG GUIDE (18' D	ISPLAY WIDTH)		
DISPLAY HEIGHT	WIND SPEED>	EXPOSURE B 90 MPH	EXPOSURE B 110 MPH	EXPOSURE B 130 MPH	EXPOSURE B 150 MPH	EXPOSURE C 90 MPH	EXPOSURE C 110 MPH	EXPOSURE C 130 MPH	EXPOSURE C 150 MPH
	I-BEAM	W6X9	W6X9	W6X12	W8X13	W6X9	W6X12	W8X13	W10X15
6'	HSS POST	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16
	FOOTING	3'X4.13'	3'X4.77'	3'X5.39'	3'X5.99'	3'X4.74'	3'X5.49'	3'X6.21'	3'X6.91'
	I-BEAM	W6X9	W6X12	W8X13	W10X15	W6X12	W8X13	W10X15	W12X19
8'	HSS POST	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16
	FOOTING	3'X4.73'	3'X5.47'	3'X6.19'	3'X6.88'	3'X5.42'	3'X6.28'	3'X7.11'	3'X7.92'
	I-BEAM	W6X12	W8X13	W10X15	W12X16	W8X13	W10X15	W12X19	W12X22
10'	HSS POST	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS8X8X1/4	HSS10X10X1/4
	FOOTING	3'X5.28'	3'X6.12'	3'X6.92'	3'X7.69'	3'X6.04'	3'X7.01'	3'X7.93'	3'X8.83'
	I-BEAM	W8X13	W10X15	W12X16	W12X22	W10X15	W12X16	W12X22	W12X26
12'	HSS POST	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS8X8X3/16	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4
	FOOTING	3'X5.8'	3'X6.72'	3'X7.6'	3'X8.46'	3'X6.62'	3'X7.68'	3'X8.7'	3'X9.69'
	I-BEAM	W8X13	W12X16	W12X19	W14X22	W12X16	W12X19	W12X26	W14X30
14'	HSS POST	HSS7X7X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X1/4
	FOOTING	3'X6.3'	3'X7.29'	3'X8.25'	3'X9.18'	3'X7.17'	3'X8.32'	3'X9.42'	3'X10.5'
	I-BEAM	W10X15	W12X19	W12X22	W16X26	W12X19	W14X22	W16X26	W14X34
16'	HSS POST	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16
	FOOTING	3'X6.77'	3'X7.84'	3'X8.88'	3'X9.88'	3'X7.69'	3'X8.92'	3'X10.11'	3'X11.27'
	I-BEAM	W12X16	W12X22	W12X26	W14X30	W12X19	W12X26	W16X31	W18X35
18'	HSS POST	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X1/4	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16
	FOOTING	3'X7.23'	3'X8.37'	3'X9.48'	3'X10.55'	3'X8.2'	3'X9.51'	3'X10.77'	3'X12.01'
	I-BEAM	W12X19	W14X22	W16X26	W14X34	W12X22	W16X26	W18X35	W18X40
20'	HSS POST	HSS8X8X1/4	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS10X10X1/4	HSS12X12X1/4	HSS14X14X5/16	HSS14X14X5/16
	FOOTING	3'X7.67'	3'X8.89'	3'X10.06'	3'X11.2'	3'X8.68'	3'X10.07'	3'X11.42'	3'X12.72'

DOCT O FOOTING CUIDE (40) DICE AVANTETA

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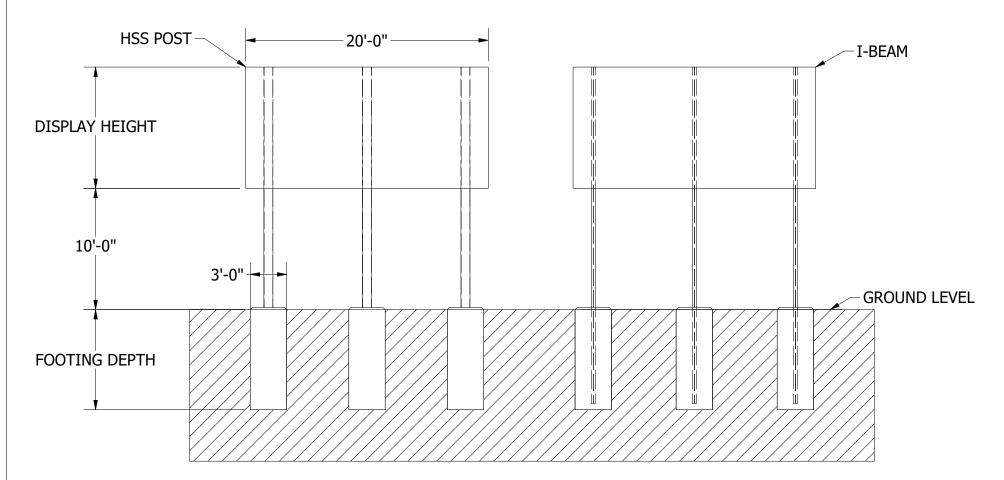
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				DEL (TOTOL)	LITOT	001			
			ŀ	REVISION	HIST	ORY			
	REV	DESC	RIP	RIPTION				APPROV	ED
	Α	INITIA	L RE	RELEASE 2021-11-10				RD	
PART NUME	BER: N/	A			ES	Lond Tel:	don, Ol (519)	e Road, N, N6L 1P7 652-5833 652-3795	
NOTICE TO PERSON RECEIVING THIS DRAWING AND TECHNICAL INFORMATION: OES INC. CLAIMS PROPERTY RIGHTS TO THE MATERIAL				SCORE	BOARDS			@oes-inc.com	
DISCLOSED HEREI UNPUBLISHED PRO OES INC. AND AS S	N. THIS DRA OPRIETARY SUCH IS NOT	AWINGS INCLUDES MATERIAL DEVELOPED BY	,			ING GUID ION INST		l8' WIDTH TIONS	
WRITTEN AUTHORI	IZATION FRO		SIZE	FILENAME Post G	uido ·	10! idw		DRAWING DATE	REV
Dimensions are in inc	ches	PROJECTION	В	USAGE USAGE	uiue .	to .luw	20	21-11-10	Α
Two Place Decimals ± 0.02* Three Place Decimals ± 0.005	5*								
Four Place Decimals ± 0.0005 Angular 30	5*		SCALE	NTS	DRAWN	BY rdonald	l	PAGE 1 OF	1



	POST & FOOTING GUIDE (20' DISPLAY WIDTH)													
DISPLAY HEIGHT	WIND SPEED>	EXPOSURE B 90 MPH	EXPOSURE B 110 MPH	EXPOSURE B 130 MPH	EXPOSURE B 150 MPH	EXPOSURE C 90 MPH	EXPOSURE C 110 MPH	EXPOSURE C 130 MPH	EXPOSURE C 150 MPH	EXPOS NUMEI				
	I-BEAM	W6X9	W6X9	W6X12	W8X13	W6X9	W6X12	W8X13	W10X15	LARGE				
6'	HSS POST	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	TIMES				
	FOOTING	3'X4.29'	3'X4.96'	3'X5.6'	3'X6.23'	3'X4.93'	3'X5.71'	3'X6.46'	3'X7.19'	EXPOS				
	I-BEAM	W6X9	W6X12	W8X13	W10X15	W6X12	W10X15	W12X16	W12X19	THAN				
8'	HSS POST	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS9X9X3/16	HSS9X9X1/4	SURFA				
	FOOTING	3'X4.91'	3'X5.69'	3'X6.43'	3'X7.15'	3'X5.64'	3'X6.53'	3'X7.4'	3'X8.24'					
	I-BEAM	W6X12	W8X13	W10X15	W12X19	W8X13	W12X16	W12X19	W14X22					
10'	HSS POST	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X1/4	HSS7X7X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS10X10X1/4					
	FOOTING	3'X5.49'	3'X6.36'	3'X7.19'	3'X8'	3'X6.28'	3'X7.28'	3'X8.25'	3'X9.19'					
	I-BEAM	W8X13	W10X15	W12X19	W12X22	W10X15	W12X19	W14X22	W16X26					
12'	HSS POST	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4					
	FOOTING	3'X6.03'	3'X6.99'	3'X7.91'	3'X8.8'	3'X6.88'	3'X7.99'	3'X9.05'	3'X10.08'					
	I-BEAM	W10X15	W12X16	W12X22	W12X26	W12X16	W12X22	W12X26	W16X31	PART				
14'	HSS POST	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	PARTI				
	FOOTING	3'X6.54'	3'X7.58'	3'X8.58'	3'X9.55'	3'X7.45'	3'X8.65'	3'X9.8'	3'X10.92'					
	I-BEAM	W10X15	W12X19	W14X22	W16X26	W12X19	W14X22	W14X30	W18X35	NOTICE TO TECHNICA				
16'	HSS POST	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X1/4	HSS14X14X5/16	OES INC. O				
	FOOTING	3'X7.04'	3'X8.15'	3'X9.23'	3'X10.28'	3'X8'	3'X9.28'	3'X10.52'	3'X11.73'	DISCLOSE UNPUBLIS				
	I-BEAM	W12X16	W12X22	W16X26	W16X31	W12X22	W16X26	W14X34	W16X40	OES INC. A				
18'	HSS POST	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16	WRITTEN A				
	FOOTING	3'X7.51'	3'X8.7'	3'X9.86'	3'X10.97'	3'X8.52'	3'X9.89'	3'X11.21'	3'X12.5'	Dimensions				
	I-BEAM	W12X19	W14X22	W14X30	W18X35	W14X22	W14X30	W18X35	W21X44	Fractional ± 1/1 Two Place Decir				
20'	HSS POST	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X1/4	HSS14X14X5/16	HSS10X10X1/4	HSS12X12X1/4	HSS14X14X5/16	HSS16X16X5/16	Three Place Deci				
	FOOTING	3'X7.97'	3'X9.24'	3'X10.46'	3'X11.65'	3'X9.03'	3'X10.48'	3'X11.88'	3'X13.24'	Angular 30				

DOCT 0 FOOTING CHIDE (20) DICDLAY MIDTH

IMPORTANT NOTE:

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OTHER NOTES:

- 1. DISPLAY HEIGHT AND DISPLAY WIDTH ARE MADE UP OF ANY COMBINATION OF SCOREBOARDS, AD PANELS, OR TRUSSES.
- 2. FOR DISPLAY HEIGHTS OR WIND SPEEDS BETWEEN THE TABULATED VALUES, ROUND UP TO THE NEXT LARGEST DISPLAY HEIGHT AND/OR WIND SPEED TO ESTIMATE POST REQUIREMENTS.
- 3. ASSUMPTIONS:
- SCOREBOARD IS MOUNTED ON THREE POSTS.
- BOTTOM OF THE SCOREBOARD IS 10' ABOVE GROUND LEVEL.
- FOOTING DEPTH CALCULATED USING A 3' FOOTING DIAMETER.
- POSTS ARE ASSUMED TO BE A36 (36KSI) STEEL.
- SOIL LATERAL BEARING PRESSURE IS TAKEN AS 100 PSF.
- 4. POST SIZING CALCULATIONS PERFORMED ACCORDING TO ASCE7-10. I-BEAM AND TUBE PROPERTIES FROM AISC VERSION 13.0 CD DATABASE AND AISC 13TH EDITION MANUAL.
- 5. FOR A POST & FOOTING ESTIMATE USING CUSTOM PARAMETERS, PLEASE CONTACT OES.

EXPOSURE CATEGORIES - GENERAL DEFINITIONS:

EXPOSURE B: URBAN AND SUBURBAN AREAS, WOODED AREAS, OR OTHER TERRAIN WITH NUMEROUS CLOSELY SPACED OBSTRUCTIONS HAVING THE SIZE OF SINGLE-FAMILY DWELLINGS OR LARGER. THESE AREAS PREVAIL IN THE UPWIND DIRECTION FOR A DISTANCE OF 2600 FT OR 20 TIMES THE STRUCTURE HEIGHT, WHICHEVER IS GREATER.

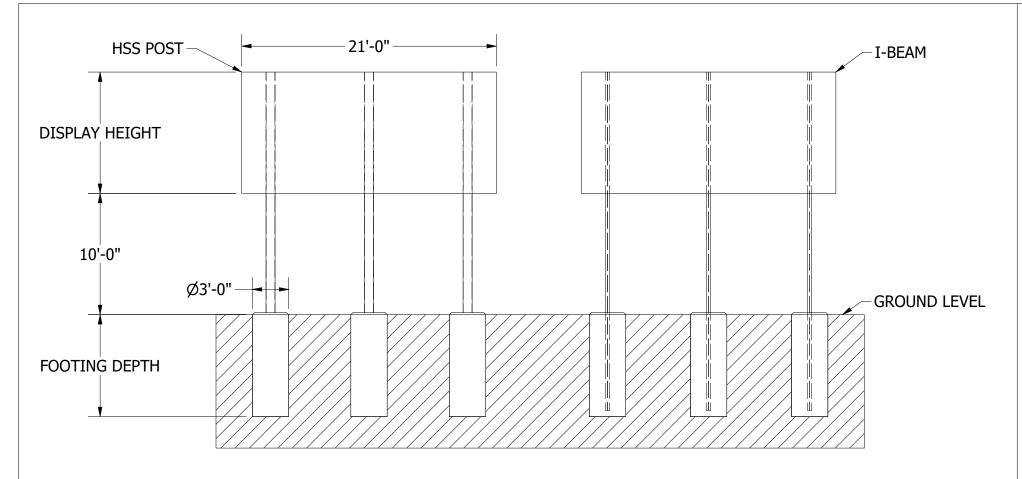
EXPOSURE C: OPEN TERRAIN WITH SCATTERED OBSTRUCTIONS HAVING HEIGHTS GENERALLY LESS THAN 30 FT. THIS CATEGORY INCLUDES FLAT OPEN COUNTRY, GRASSLANDS, AND ALL WATER SURFACES IN HURRICANE PRONE AREAS.

		REVISION HISTORY											
	REV	DESC	RIP	RIPTION DATE				ED					
	Α	INITIAL	_ RE	ELEASE	2021-11-	10	RD						
5	PART NUMBER: N/A	A		OES	Londo Tel: (on, ON (519) 6	Road, I, N6L 1P7 652-5833 652-3795						
5	NOTICE TO PERSON RECEIVING TECHNICAL INFORMATION: OES INC. CLAIMS PROPERTY R DISCLOSED HEREIN. THIS DRAY UNPUBLISHED PROPRIETARY N	IGHTS TO THE MATERIAL WINGS INCLUDES	DESC	SCOREBOARDS POST & FOOT	Email	i: oeś@ E - 20	0' WIDTH						
5	OES INC. AND AS SUCH IS NOT REPRODUCED OR USED IN AN WRITTEN AUTHORIZATION FRO TOLERANCE INFORMATION Dimensions are in inches	WAY WITHOUT PRIOR M OES INC. THIRD ANGLE	SIZE	Post Guide	7ION INSTF 20'.idw	INIT D	RAWING DATE	REV					
<u> </u>	Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0065"	PROJECTION	В	USAGE				A					

SCALE NTS

| PAGE 1 OF 1

DRAWN BY rdonald



	Y DOCT O FOOTING GUIDE (OU DECL AVANCETU)												
POST & FOOTING GUIDE (21' DISPLAY WIDTH)													
DISPLAY HEIGHT	WIND SPEED>	EXPOSURE B 90 MPH	EXPOSURE B 110 MPH	EXPOSURE B 130 MPH	EXPOSURE B 150 MPH	EXPOSURE C 90 MPH	EXPOSURE C 110 MPH	EXPOSURE C 130 MPH	EXPOSURE C 150 MPH				
	I-BEAM	W6X9	W6X9	W6X12	W8X13	W6X9	W6X12	W10X15	W10X15				
6'	HSS POST	HSS5X5X1/8	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16				
	FOOTING	3'X4.36'	3'X5.05'	3'X5.71'	3'X6.34'	3'X5.02'	3'X5.81'	3'X6.58'	3'X7.32'				
	I-BEAM	W6X9	W8X13	W10X15	W10X15	W6X12	W10X15	W12X16	W12X19				
8'	HSS POST	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS9X9X3/16	HSS6X6X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4				
	FOOTING	3'X5'	3'X5.79'	3'X6.55'	3'X7.29'	3'X5.74'	3'X6.65'	3'X7.54'	3'X8.39'				
	I-BEAM	W6X12	W10X15	W12X16	W12X19	W8X13	W12X16	W12X19	W14X22				
10'	HSS POST	HSS6X6X3/16	HSS7X7X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS7X7X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS10X10X1/4				
	FOOTING	3'X5.59'	3'X6.47'	3'X7.32'	3'X8.15'	3'X6.39'	3'X7.42'	3'X8.41'	3'X9.36'				
	I-BEAM	W8X13	W10X15	W12X19	W12X22	W10X15	W12X19	W14X22	W16X26				
12'	HSS POST	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4				
	FOOTING	3'X6.14'	3'X7.11'	3'X8.05'	3'X8.96'	3'X7.01'	3'X8.13'	3'X9.22'	3'X10.27'				
	I-BEAM	W10X15	W12X16	W12X22	W12X26	W12X16	W12X22	W16X26	W16X31				
14'	HSS POST	HSS8X8X3/16	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16				
	FOOTING	3'X6.66'	3'X7.72'	3'X8.74'	3'X9.73'	3'X7.59'	3'X8.81'	3'X9.98'	3'X11.13'				
	I-BEAM	W12X16	W12X19	W12X26	W14X30	W12X19	W12X26	W14X30	W18X35				
16'	HSS POST	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X1/4	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16				
	FOOTING	3'X7.16'	3'X8.3'	3'X9.4'	3'X10.47'	3'X8.14'	3'X9.45'	3'X10.72'	3'X11.95'				
	I-BEAM	W12X16	W14X22	W16X26	W14X34	W12X22	W16X26	W18X35	W18X40				
18'	HSS POST	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16				
	FOOTING	3'X7.65'	3'X8.86'	3'X10.04'	3'X11.18'	3'X8.67'	3'X10.07'	3'X11.42'	3'X12.73'				
	I-BEAM	W12X19	W12X26	W16X31	W18X35	W14X22	W16X31	W16X40	W21X44				
20'	HSS POST	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16	HSS16X16X5/16				
	FOOTING	3'X8.12'	3'X9.41'	3'X10.65'	3'X11.87'	3'X9.19'	3'X10.67'	3'X12.1'	3'X13.49'				

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EXPOSURE CATEGORIES - GENERAL DEFINITIONS:

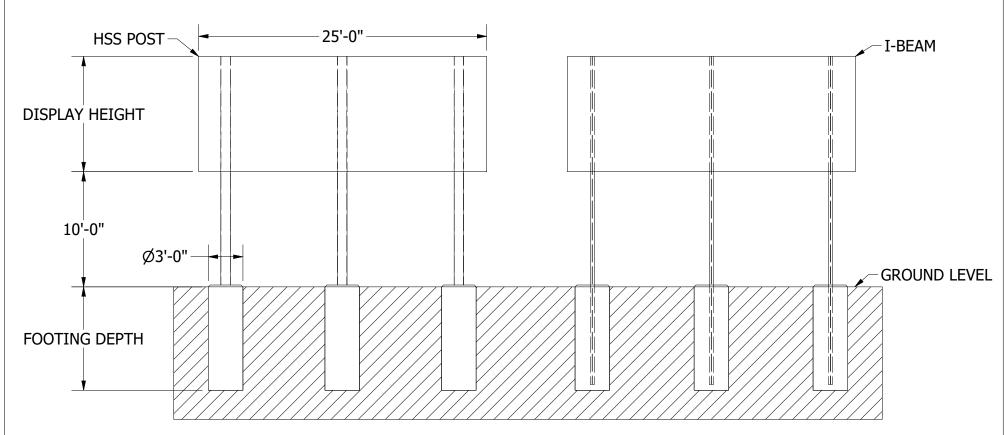
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		REVISION HISTORY										
	REV	DESC	RIP	RIPTION DATE			APPROV	ED				
	Α	INITIAL	RE	LEASE	2021-11-	-10	RD					
PART NUME	BER: N/A	4		DES	Lond	,	Road, , N6L 1P7 52-5833					
 NOTICE TO PERSO TECHNICAL INFOR		G THIS DRAWING AND	DESC	SCOREBOARDS	Fax: Ema		52-3795 Does-inc.com					
 DISCLOSED HEREI UNPUBLISHED PRO OES INC. AND AS S	N. THIS DRAY OPRIETARY N SUCH IS NOT	MATERIAL DEVELOPED BY		POST & FOOT INSTALLAT								
WRITTEN AUTHORIZATION FROM OES INC. TOLERANCE INFORMATION Dimensions are in inches. THIRD ANGLE				Post Guide	21'.idw		RAWING DATE 21-11-10	REV				
Fractional ± 1/16" Two Place Decimals ± 0.02"	,,,,,,	PROJECTION	В	USAGE				A				

SCALE NTS

DRAWN BY rdonald



	POST & FOOTING GOIDE (25' DISPLAY WIDTH)											
DISPLAY HEIGHT	WIND SPEED>	EXPOSURE B 90 MPH	EXPOSURE B 110 MPH	EXPOSURE B 130 MPH	EXPOSURE B 150 MPH	EXPOSURE C 90 MPH	EXPOSURE C 110 MPH	EXPOSURE C 130 MPH	EXPOSURE C 150 MPH			
	I-BEAM	W6X9	W6X12	W8X13	W10X15	W6X12	W8X13	W10X15	W12X16			
6'	HSS POST	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16			
	FOOTING	3'X4.65'	3'X5.38'	3'X6.08'	3'X6.77'	3'X5.35'	3'X6.2'	3'X7.02'	3'X7.82'			
	I-BEAM	W6X12	W8X13	W10X15	W12X16	W8X13	W10X15	W12X19	W12X22			
8'	HSS POST	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4			
	FOOTING	3'X5.33'	3'X6.17'	3'X6.99'	3'X7.78'	3'X6.12'	3'X7.1'	3'X8.05'	3'X8.97'			
	I-BEAM	W8X13	W10X15	W12X16	W12X22	W10X15	W12X19	W12X22	W12X26			
10'	HSS POST	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS8X8X3/16	HSS8X8X1/4	HSS10X10X1/4	HSS12X12X1/4			
	FOOTING	3'X5.96'	3'X6.9'	3'X7.82'	3'X8.7'	3'X6.82'	3'X7.92'	3'X8.98'	3'X10.01'			
	I-BEAM	W10X15	W12X16	W12X22	W12X26	W12X16	W12X22	W12X26	W16X31			
12'	HSS POST	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16			
l	FOOTING	3'X6.54'	3'X7.59'	3'X8.59'	3'X9.57'	3'X7.47'	3'X8.68'	3'X9.84'	3'X10.98'			
	I-BEAM	W10X15	W12X19	W14X22	W16X26	W12X19	W14X22	W14X30	W18X35			
14'	HSS POST	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X1/4	HSS14X14X5/16			
	FOOTING	3'X7.1'	3'X8.23'	3'X9.33'	3'X10.39'	3'X8.09'	3'X9.4'	3'X10.66'	3'X11.89'			
	I-BEAM	W12X16	W12X22	W16X26	W16X31	W12X22	W16X26	W18X35	W18X40			
16'	HSS POST	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16			
	FOOTING	3'X7.64'	3'X8.86'	3'X10.03'	3'X11.18'	3'X8.69'	3'X10.09'	3'X11.45'	3'X12.77'			
	I-BEAM	W12X19	W12X26	W16X31	W18X35	W14X22	W16X31	W16X40	W21X44			
18'	HSS POST	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16	HSS16X16X5/16			
	FOOTING	3'X8.15'	3'X9.46'	3'X10.72'	3'X11.94'	3'X9.25'	3'X10.75'	3'X12.2'	3'X13.61'			
	I-BEAM	W12X22	W16X26	W18X35	W18X40	W16X26	W18X35	W21X44	W21X50			
20'	HSS POST	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16	HSS12X12X1/4	HSS14X14X5/16	HSS16X16X5/16	HSS16X16X3/8			
	FOOTING	3'X8.65'	3'X10.04'	3'X11.38'	3'X12.68'	3'X9.8'	3'X11.39'	3'X12.93'	3'X14.42'			

DOST & FOOTING CHIDE (25' DISDLAY WIDTH)

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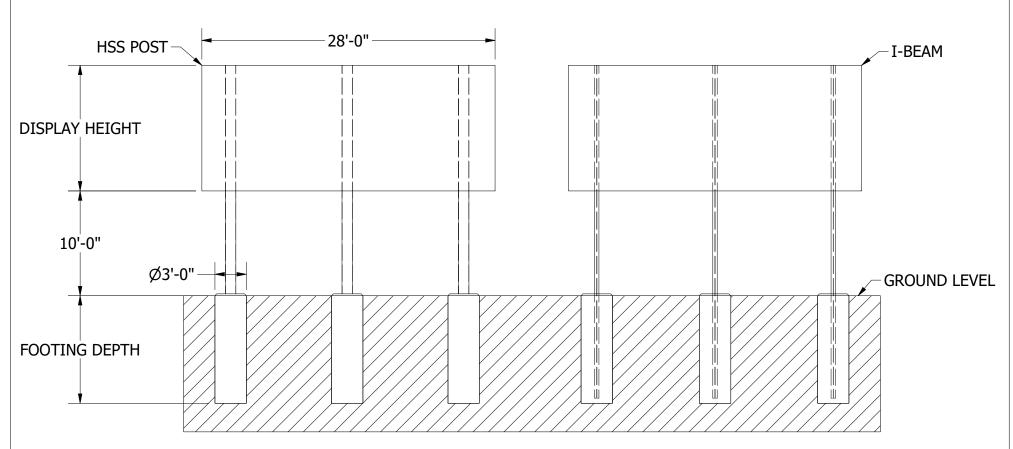
EXPOSURE C: OPEN TERRAIN WITH SCATTERED OBSTRUCTIONS HAVING HEIGHTS GENERALLY LESS THAN 30 FT. THIS CATEGORY INCLUDES FLAT OPEN COUNTRY, GRASSLANDS, AND ALL WATER SURFACES IN HURRICANE PRONE AREAS.

			F	REVISION HIST	ORY			
	REV	DESC	RIP	TION	DATE		APPROVE	ED
	Α	INITIAL	RE	LEASE	2021-11-	10	RD	
PART NUMBER: N/A NOTICE TO PERSON RECEIVING THIS DRAWING AND TECHNICAL INFORMATION: OES INC. CLAIMS PROPERTY RIGHTS TO THE MATERIAL DISCLOSED HEREIN. THIS DRAWINGS INCLUDES UNPUBLISHED PROPRIETARY MATERIAL DEVELOPED BY				SCOREBOARDS RIPTION POST & FOOT INSTALLAT	Londo Tel: Fax: Emai	(519) 6 (519) 6 I: oes@ E - 2!	, N6L 1P7 52-5833 52-3795 Does-inc.com	
OES INC. AND AS S REPRODUCED OR WRITTEN AUTHOR	USED IN ANY	Y WAY WITHOUT PRIOR	SIZE	FILENAME	TON INSTI		RAWING DATE	REV
TOLERANCE INFOR Dimensions are in inc Fractional ± 1/16" Two Place Decimals ± 0.02"	hes	THIRD ANGLE PROJECTION	В	Post Guide 2	25'.idw		21-11-10	A
Three Place Decimals ± 0.005	5*	1 444						

SCALE NTS

DRAWN BY rdonald

| PAGE 1 OF 1



				POST & FOOTIN	NG GUIDE (28' D	ISPLAY WIDTH)		
DISPLAY HEIGHT	WIND SPEED>	EXPOSURE B 90 MPH	EXPOSURE B 110 MPH	EXPOSURE B 130 MPH	EXPOSURE B 150 MPH	EXPOSURE C 90 MPH	EXPOSURE C 110 MPH	EXPOSURE C 130 MPH	EXPOSURE C 150 MPH
	I-BEAM	W6X9	W6X12	W8X13	W10X15	W6X12	W8X13	W10X15	W12X19
6'	HSS POST	HSS5X5X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X1/4
	FOOTING	3'X4.84'	3'X5.61'	3'X6.35'	3'X7.06'	3'X5.58'	3'X6.47'	3'X7.33'	3'X8.17'
	I-BEAM	W6X12	W8X13	W10X15	W12X19	W8X13	W12X16	W12X19	W14X22
8'	HSS POST	HSS6X6X3/16	HSS7X7X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS7X7X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS10X10X1/4
	FOOTING	3'X5.55'	3'X6.44'	3'X7.29'	3'X8.12'	3'X6.38'	3'X7.41'	3'X8.4'	3'X9.36'
	I-BEAM	W8X13	W10X15	W12X19	W12X22	W10X15	W12X19	W14X22	W16X26
10'	HSS POST	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4
	FOOTING	3'X6.21'	3'X7.2'	3'X8.15'	3'X9.08'	3'X7.11'	3'X8.26'	3'X9.37'	3'X10.45'
	I-BEAM	W10X15	W12X19	W12X22	W12X26	W12X19	W14X22	W16X26	W14X34
12'	HSS POST	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16
	FOOTING	3'X6.82'	3'X7.91'	3'X8.97'	3'X9.99'	3'X7.8'	3'X9.06'	3'X10.28'	3'X11.47'
	I-BEAM	W12X16	W12X22	W12X26	W16X31	W12X22	W12X26	W16X31	W16X40
14'	HSS POST	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16
	FOOTING	3'X7.4'	3'X8.59'	3'X9.73'	3'X10.85'	3'X8.44'	3'X9.81'	3'X11.13'	3'X12.42'
	I-BEAM	W12X19	W14X22	W14X30	W18X35	W14X22	W14X30	W18X35	W21X44
16'	HSS POST	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4	HSS14X14X5/16	HSS10X10X1/4	HSS12X12X1/4	HSS14X14X5/16	HSS16X16X5/16
	FOOTING	3'X7.96'	3'X9.24'	3'X10.47'	3'X11.67'	3'X9.06'	3'X10.53'	3'X11.95'	3'X13.34'
	I-BEAM	W12X22	W16X26	W14X34	W16X40	W12X26	W14X34	W18X40	W21X48
18'	HSS POST	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16	HSS16X16X5/16
	FOOTING	3'X8.5'	3'X9.86'	3'X11.18'	3'X12.47'	3'X9.65'	3'X11.22'	3'X12.74'	3'X14.22'
	I-BEAM	W14X22	W14X30	W18X35	W21X44	W16X26	W18X35	W21X44	W21X55
20'	HSS POST	HSS10X10X1/4	HSS12X12X1/4	HSS14X14X5/16	HSS16X16X5/16	HSS12X12X1/4	HSS14X14X5/16	HSS16X16X5/16	HSS16X16X3/8
	FOOTING	3'X9.02'	3'X10.47'	3'X11.87'	3'X13.23'	3'X10.23'	3'X11.89'	3'X13.5'	3'X15.07'

IMPORTANT NOTE:

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OTHER NOTES:

- 1. DISPLAY HEIGHT AND DISPLAY WIDTH ARE MADE UP OF ANY COMBINATION OF SCOREBOARDS. AD PANELS, OR TRUSSES.
- 2. FOR DISPLAY HEIGHTS OR WIND SPEEDS BETWEEN THE TABULATED VALUES, ROUND UP TO THE NEXT LARGEST DISPLAY HEIGHT AND/OR WIND SPEED TO ESTIMATE POST REQUIREMENTS.
- 3. ASSUMPTIONS:

- SCOREBOARD IS MOUNTED ON THREE POSTS.
- BOTTOM OF THE SCOREBOARD IS 10' ABOVE GROUND LEVEL.
- FOOTING DEPTH CALCULATED USING A 3' FOOTING DIAMETER.
- POSTS ARE ASSUMED TO BE A36 (36KSI) STEEL.
- SOIL LATERAL BEARING PRESSURE IS TAKEN AS 100 PSF.
- 4. POST SIZING CALCULATIONS PERFORMED ACCORDING TO ASCE7-10. I-BEAM AND TUBE PROPERTIES FROM AISC VERSION 13.0 CD DATABASE AND AISC 13TH EDITION MANUAL.
- 5. FOR A POST & FOOTING ESTIMATE USING CUSTOM PARAMETERS, PLEASE CONTACT OES.

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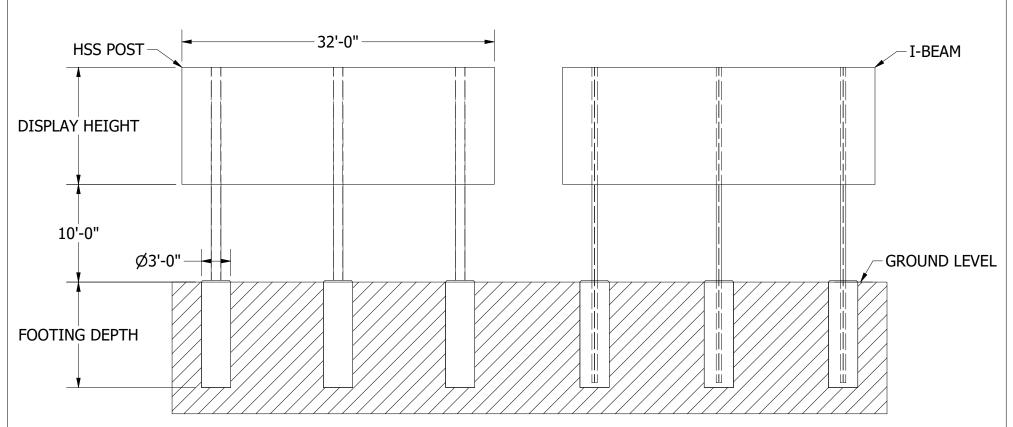
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				F	REVISION HIST	ORY			
		REV	DESC	RIP	TION	DATE		APPROVED	
		A INITIAI			LEASE	2021-11	-10	RD	
_	PART NUMBER: N/A NOTICE TO PERSON RECEIVING THIS DRAWING AND TECHNICAL INFORMATION:				4096 Blakie Road, London, ON, N6L 1P7 Tel: (519) 652-5833 Fax: (519) 652-3795 Email: oes@oes-inc.com				
	OES INC. CLAIMS PROPERTY RIGHTS TO THE MATERIAL DISCLOSED HEREIN. THIS DRAWINGS INCLUDES UNPUBLISHED PROPRIETARY MATERIAL DEVELOPED BY OES INC. AND AS SUCH IS NOT TO BE COPIED, REPRODUCED OR USED IN ANY WAY WITHOUT PRIOR			DESC	POST & FOOT INSTALLAT		RUC	_	REV
	TOLERANCE INFOR Dimensions are in inc	NCE INFORMATION THIRD ANGLE PROJECTION		В	Post Guide 2	28'.idw		21-11-10	A

DRAWN BY rdonald

| PAGE 1 OF 1

SCALE NTS



				POST & FOOTIN	NG GUIDE (32' D	ISPLAY WIDTH)		
DISPLAY HEIGHT	WIND SPEED>	EXPOSURE B 90 MPH	EXPOSURE B 110 MPH	EXPOSURE B 130 MPH	EXPOSURE B 150 MPH	EXPOSURE C 90 MPH	EXPOSURE C 110 MPH	EXPOSURE C 130 MPH	EXPOSURE C 150 MPH
	I-BEAM	W6X9	W8X13	W10X15	W12X16	W8X13	W10X15	W12X16	W12X19
6'	HSS POST	HSS6X6X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4
	FOOTING	3'X5.08'	3'X5.89'	3'X6.67'	3'X7.42'	3'X5.86'	3'X6.8'	3'X7.71'	3'X8.59'
	I-BEAM	W8X13	W10X15	W12X16	W12X19	W10X15	W12X16	W12X22	W12X26
8'	HSS POST	HSS7X7X3/16	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS8X8X3/16	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4
	FOOTING	3'X5.83'	3'X6.76'	3'X7.66'	3'X8.54'	3'X6.7'	3'X7.79'	3'X8.83'	3'X9.85'
	I-BEAM	W10X15	W12X16	W12X22	W14X22	W12X16	W12X22	W12X26	W14X30
10'	HSS POST	HSS8X8X3/16	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X5/16
	FOOTING	3'X6.52'	3'X7.57'	3'X8.57'	3'X9.55'	3'X7.47'	3'X8.69'	3'X9.86'	3'X11'
	I-BEAM	W10X15	W12X19	W14X22	W16X26	W12X19	W12X26	W14X30	W18X35
12'	HSS POST	HSS9X9X3/16	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X1/4	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X1/4	HSS14X14X5/16
	FOOTING	3'X7.16'	3'X8.32'	3'X9.43'	3'X10.51'	3'X8.19'	3'X9.52'	3'X10.81'	3'X12.07'
	I-BEAM	W12X19	W14X22	W16X26	W14X34	W12X22	W16X26	W18X35	W21X44
14'	HSS POST	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS10X10X1/4	HSS12X12X1/4	HSS14X14X5/16	HSS14X14X5/16
	FOOTING	3'X7.78'	3'X9.03'	3'X10.24'	3'X11.41'	3'X8.87'	3'X10.32'	3'X11.72'	3'X13.08'
	I-BEAM	W12X22	W12X26	W16X31	W16X40	W12X26	W16X31	W16X40	W21X48
16'	HSS POST	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16	HSS16X16X5/16
	FOOTING	3'X8.36'	3'X9.71'	3'X11.01'	3'X12.28'	3'X9.52'	3'X11.07'	3'X12.58'	3'X14.04'
	I-BEAM	W14X22	W14X30	W18X35	W21X44	W16X26	W18X35	W21X44	W21X55
18'	HSS POST	HSS10X10X1/4	HSS12X12X1/4	HSS14X14X5/16	HSS16X16X5/16	HSS12X12X1/4	HSS14X14X5/16	HSS16X16X5/16	HSS16X16X3/8
	FOOTING	3'X8.93'	3'X10.37'	3'X11.76'	3'X13.12'	3'X10.15'	3'X11.8'	3'X13.41'	3'X14.97'
	I-BEAM	W12X26	W16X31	W18X40	W21X48	W16X31	W18X40	W21X48	W24X62
20'	HSS POST	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16	HSS16X16X5/16	HSS12X12X5/16	HSS14X14X5/16	HSS16X16X5/16	HSS16X16X1/2
	FOOTING	3'X9.48'	3'X11.01'	3'X12.49'	3'X13.93'	3'X10.75'	3'X12.51'	3'X14.21'	3'X15.86'

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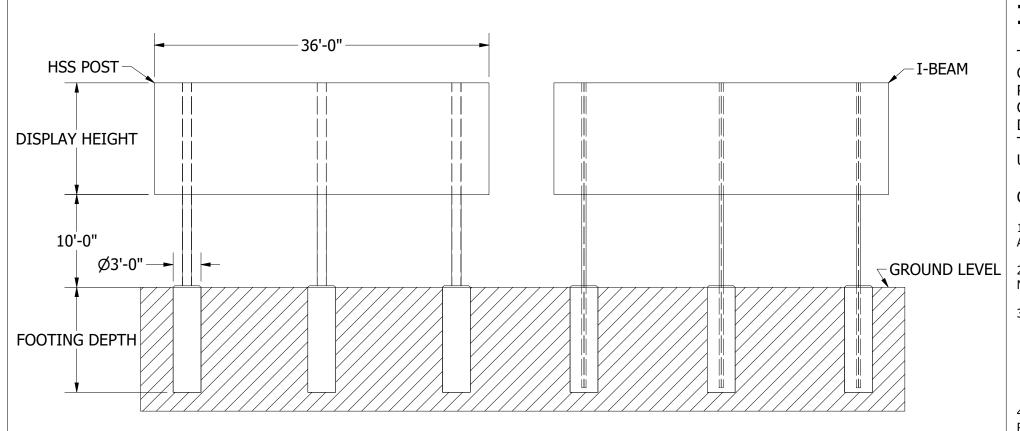
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				REVISION HIST	ORY			
	REV	DESC	RIPTION		DATE		APPROVED	
	Α	INITIAI	RE	LEASE	2021-11	-10	RD	
PART NUMBER: N/A NOTICE TO PERSON RECEIVING THIS DRAWING AND				DES	4096 Blakie Road, London, ON, N6L 1P7 Tel: (519) 652-5833 Fax: (519) 652-3795 Email: oes@oes-inc.com			
TECHNICAL INFORMATION:			POST & FOOTING GUIDE - 32' WIDTH					
WRITTEN AUTHO TOLERANCE INFO Dimensions are in	ORMATION	THIRD ANGLE PROJECTION	size B	Post Guide	32'.idw		RAWING DATE 21-11-10	REV A

SCALE NTS

DRAWN BY rdonald



	FOST & FOOTING GOIDE (30 DISPLAT WIDTH)								
DISPLAY HEIGHT	WIND SPEED>	EXPOSURE B 90 MPH	EXPOSURE B 110 MPH	EXPOSURE B 130 MPH	EXPOSURE B 150 MPH	EXPOSURE C 90 MPH	EXPOSURE C 110 MPH	EXPOSURE C 130 MPH	EXPOSURE C 150 MPH
	I-BEAM	W8X13	W10X15	W12X19	W12X22	W10X15	W12X19	W14X22	W16X26
8'	HSS POST	HSS7X7X3/16	HSS8X8X3/16	HSS8X8X1/4	HSS10X10X1/4	HSS8X8X3/16	HSS9X9X1/4	HSS10X10X1/4	HSS12X12X1/4
	FOOTING	3'X6.09'	3'X7.07'	3'X8.01'	3'X8.93'	3'X7'	3'X8.14'	3'X9.24'	3'X10.31'
	I-BEAM	W10X15	W12X19	W12X22	W12X26	W12X16	W12X22	W16X26	W16X31
10'	HSS POST	HSS8X8X3/16	HSS8X8X1/4	HSS10X10X1/4	HSS12X12X1/4	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16
	FOOTING	3'X6.81'	3'X7.91'	3'X8.96'	3'X9.99'	3'X7.81'	3'X9.08'	3'X10.31'	3'X11.51'
	I-BEAM	W12X16	W12X22	W12X26	W16X31	W12X22	W12X26	W16X31	W16X40
12'	HSS POST	HSS9X9X3/16	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16
	FOOTING	3'X7.48'	3'X8.69'	3'X9.86'	3'X10.99'	3'X8.56'	3'X9.96'	3'X11.31'	3'X12.63'
	I-BEAM	W12X19	W12X26	W14X30	W18X35	W14X22	W14X30	W16X40	W21X44
14'	HSS POST	HSS9X9X1/4	HSS12X12X1/4	HSS12X12X1/4	HSS14X14X5/16	HSS10X10X1/4	HSS12X12X5/16	HSS14X14X5/16	HSS16X16X5/16
	FOOTING	3'X8.12'	3'X9.44'	3'X10.71'	3'X11.94'	3'X9.27'	3'X10.79'	3'X12.26'	3'X13.69'
	I-BEAM	W12X22	W16X26	W18X35	W18X40	W16X26	W18X35	W21X44	W18X55
16'	HSS POST	HSS10X10X1/4	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16	HSS12X12X1/4	HSS14X14X5/16	HSS16X16X5/16	HSS16X16X3/8
	FOOTING	3'X8.74'	3'X10.15'	3'X11.52'	3'X12.85'	3'X9.95'	3'X11.58'	3'X13.16'	3'X14.7'
	I-BEAM	W12X26	W16X31	W16X40	W21X44	W14X30	W16X40	W21X48	W24X62
18'	HSS POST	HSS12X12X1/4	HSS12X12X5/16	HSS14X14X5/16	HSS16X16X5/16	HSS12X12X1/4	HSS14X14X5/16	HSS16X16X5/16	HSS16X16X1/2
	FOOTING	3'X9.33'	3'X10.84'	3'X12.3'	3'X13.72'	3'X10.6'	3'X12.34'	3'X14.03'	3'X15.67'
	I-BEAM	W16X26	W18X35	W21X44	W18X55	W18X35	W21X44	W21X55	W21X68
20'	HSS POST	HSS12X12X1/4	HSS14X14X5/16	HSS16X16X5/16	HSS16X16X3/8	HSS12X12X5/16	HSS16X16X5/16	HSS16X16X3/8	HSS16X16X1/2
	FOOTING	3'X9.9'	3'X11.51'	3'X13.06'	3'X14.57'	3'X11.24'	3'X13.08'	3'X14.86'	3'X16.61'
	I-BEAM	W14X30	W16X40	W21X48	W24X62	W18X35	W21X48	W24X62	W24X76
22'	HSS POST	HSS12X12X1/4	HSS14X14X5/16	HSS16X16X5/16	HSS16X16X1/2	HSS14X14X5/16	HSS16X16X5/16	HSS16X16X1/2	HSS16X16X5/8
	FOOTING	3'X10.46'	3'X12.16'	3'X13.8'	3'X15.4'	3'X11.85'	3'X13.79'	3'X15.68'	3'X17.52'

POST & FOOTING GUIDE (36' DISPLAY WIDTH)

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- POSTS ARE ASSUMED TO BE A36 (36KSI) STEEL.
- SOIL LATERAL BEARING PRESSURE IS TAKEN AS 100 PSF.
- 4. POST SIZING CALCULATIONS PERFORMED ACCORDING TO ASCE7-10. I-BEAM AND TUBE PROPERTIES FROM AISC VERSION 13.0 CD DATABASE AND AISC 13TH EDITION MANUAL.
- 5. FOR A POST & FOOTING ESTIMATE USING CUSTOM PARAMETERS, PLEASE CONTACT OES.

EXPOSURE CATEGORIES - GENERAL DEFINITIONS:

EXPOSURE B: URBAN AND SUBURBAN AREAS, WOODED AREAS, OR OTHER TERRAIN WITH NUMEROUS CLOSELY SPACED OBSTRUCTIONS HAVING THE SIZE OF SINGLE-FAMILY DWELLINGS OR LARGER. THESE AREAS PREVAIL IN THE UPWIND DIRECTION FOR A DISTANCE OF 2600 FT OR 20 TIMES THE STRUCTURE HEIGHT, WHICHEVER IS GREATER.

EXPOSURE C: OPEN TERRAIN WITH SCATTERED OBSTRUCTIONS HAVING HEIGHTS GENERALLY LESS THAN 30 FT. THIS CATEGORY INCLUDES FLAT OPEN COUNTRY, GRASSLANDS, AND ALL WATER SURFACES IN HURRICANE PRONE AREAS.

1		REVISION HISTORY							
	REV	DESC	RIPTION	DATE	APPROVED				
	Α	INITIAI	L RELEASE	2021-11-10	RD				
PART	PART NUMBER: N/A		DES	4096 Blakie London, ON Tel: (519) 6 Fax: (519) 6	I, N6L 1P7 552-5833				

SCOREBOARDS

NOTICE TO PERSON RECEIVING THIS DRAWING AND TECHNICAL INFORMATION:

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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" INSTALLATION INSTRUCTIONS

DES COPIED,
ANY WITHOUT PRIOR
DES INC.

THIRD ANGLE
PROJECTION

B

INSTALLATION INSTRUCTIONS

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2021-11INSTALLATION INSTRUCTIONS

INIT DRAWING DA

2021-11INSTALLATION INSTRUCTIONS

DESCRIPTION

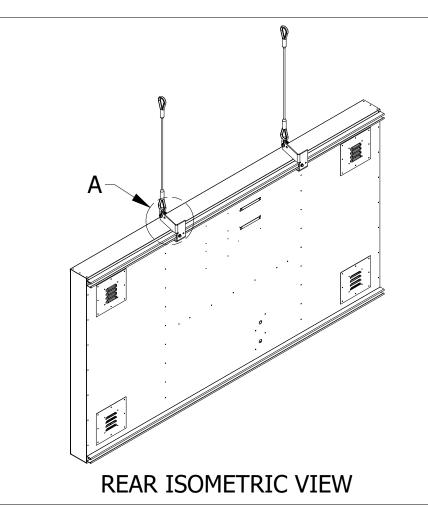
B Post Guide 36'.idw 2021-11-10 A

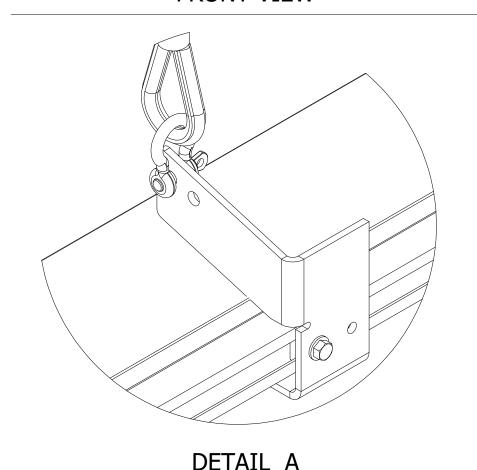
B USAGE PAGE A DRAWN BY ROONALD PAGE 1 OF 1

POST & FOOTING GUIDE - 36' WIDTH

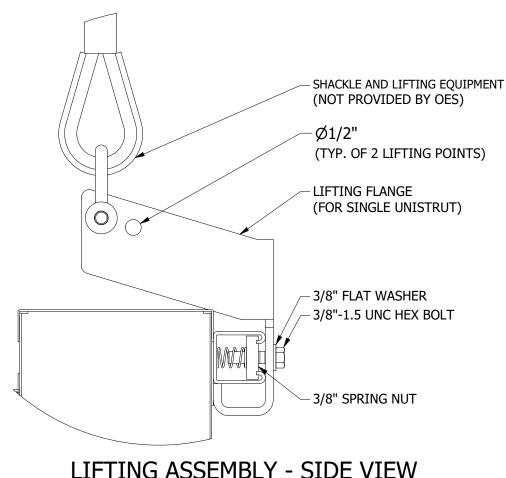
Email: oes@oes-inc.com

FRONT VIEW





LIFTING ASSEMBLY



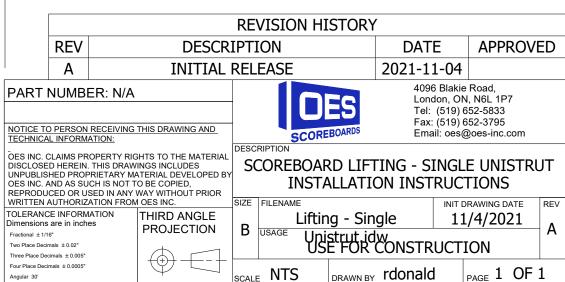
LIFTING OUTDOOR SCOREBOARDS SMALL SCOREBOARDS (<14' WIDTH)

- 1. INSTALL LIFTING BRACKETS TO THE TOP ROW OF UNISTRUT. USE ALL LIFTING BRACKETS PROVIDED BY OES (TYPICALLY 2). SEE SIDE VIEW DETAIL FOR ASSEMBLY INFO. **IMPORTANT:** INSTALL LIFT BRACKETS TO BE SYMMETRICAL ABOUT THE CENTER OF THE BOARD, AND ENSURE THE LIFT FORCE IS APPLIED VERTICALLY. DO NOT INSTALL LIFTING PLATES IN A LOCATION WHERE THEY COULD INTERFERE WITH MOUNTING TO POSTS.
- 2. ATTACH LIFTING EQUIPMENT TO THE BRACKETS AND LIFT THE SCOREBOARD INTO POSITION. LIFT FORCE MUST BE APPLIED VERTICALLY. ONCE IN POSITION AND LEVEL, MOUNT TO POSTS (SEE I-BEAM OR HSS POST MOUNTING INSTRUCTION FOR MORE DETAIL).
- 3. REMOVE LIFTING BRACKETS, AND REPEAT FOR ANY OTHER COMPONENTS SHIPPED WITH THE SCOREBOARD (AD PANELS, ETC.). ALWAYS START WITH THE BOTTOM COMPONENT AND WORK YOUR WAY UP.

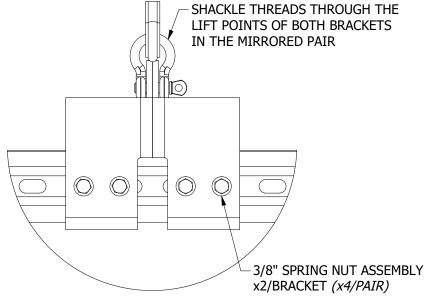
TWO LIFTING BRACKETS CAN BE PROVIDED BY OES, ALONG WITH UNISTRUT MOUNTING HARDWARE. LIFTING EQUIPMENT TO BE PROVIDED BY THE INSTALLER.

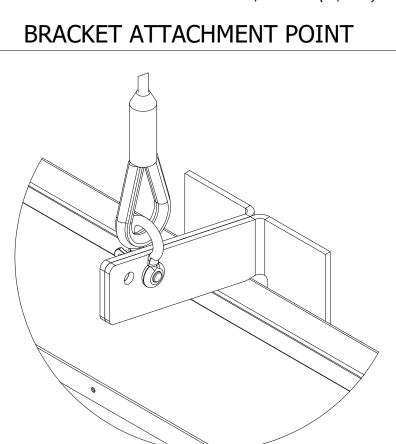
IMPORTANT NOTES:

- 1. THE INSTALLER IS RESPONSIBLE FOR SOURCING LIFTING EQUIPMENT (SLINGS, CHAINS, ETC.) OF APPROPRIATE RATING FOR THE SCOREBOARD ASSEMBLY. APPROXIMATE SCOREBOARD WEIGHT CAN BE FOUND ON INDIVIDUAL INFO DRAWINGS.
- 2. THE PROVIDED LIFTING BRACKETS ARE ONLY INTENDED TO BE USED WITH A SINGLE ROW OF UNISTRUT. FOR BACK-TO-BACK (DOUBLE) UNISTRUT, A LARGER BRACKET IS NEEDED.
- 3. IF SCOREBOARD COMPONENTS ARE SHIPPED IN SEPARATE PIECES, DO NOT ASSEMBLE BEFORE LIFTING. LIFT AND MOUNT EACH COMPONENT SEPARATELY.
- 4. OES IS NOT RESPONSIBLE FOR DAMAGES RESULTING FROM IMPROPER LIFTING OF THE SCOREBOARD.

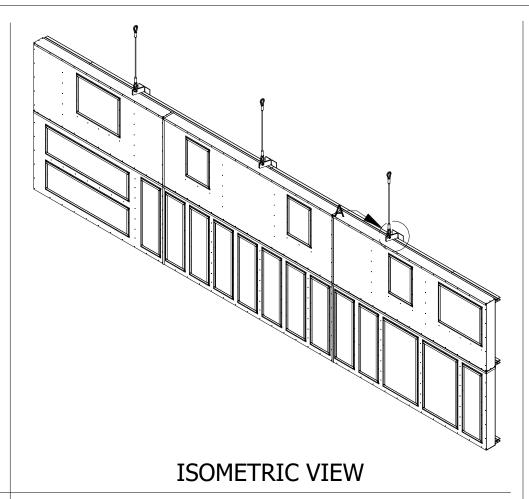


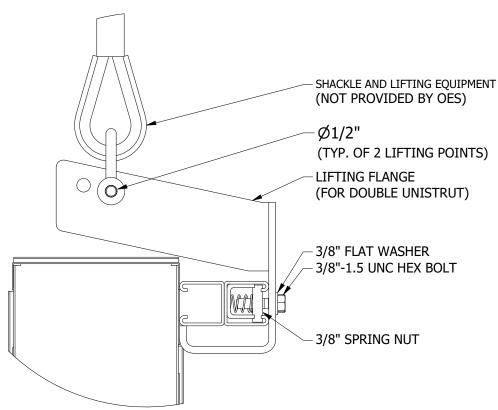
,							
OES OUTDOOR LIFT KITS (>14' SCOREBOARDS)							
KIT	# OF BRACKETS	SCOREBOARD WIDTH					
LKO-B	4 (2 PAIRS)	14-21'					
LKO-C 6 (3 PAIRS) >21'							





DETAIL A





LIFTING ASSEMBLY - SIDE VIEW

LIFTING OUTDOOR SCOREBOARDS LARGE SCOREBOARDS (>14' WIDTH)

NOTE: THE METHOD OUTLINED IN THIS DRAWING REQUIRES AN OES OUTDOOR LIFTING KIT, WHICH CAN BE PURCHASED WITH THE SCOREBOARD.

- 1. INSTALL LIFTING BRACKETS ON THE TOP ROW OF UNISTRUT. USE ALL BRACKETS PROVIDED IN THE OES OUTDOOR LIFTING KIT. SEE SIDE VIEW FOR ASSEMBLY INFO. **IMPORTANT:** LIFTING BRACKETS TO BE INSTALLED IN MIRRORED PAIRS AS SHOWN IN DETAIL A. DISTRIBUTE PAIRS EVENLY ALONG SCOREBOARD WIDTH. LIFT FORCE MUST BE APPLIED VERTICALLY.
- 2. ATTACH LIFTING EQUIPMENT TO THE BRACKETS AND LIFT THE SCOREBOARD INTO POSITION. LIFT FORCE MUST BE APPLIED VERTICALLY. ONCE IN POSITION AND LEVEL, MOUNT TO POSTS (SEE I-BEAM OR HSS POST MOUNTING INSTRUCTION FOR MORE DETAIL). REMOVE LIFTING BRACKETS ONCE SCOREBOARD IS ATTACHED TO POSTS.

LIFTING BRACKET KIT CAN BE PURCHASED WITH THE SCOREBOARD. KIT INCLUDES LIFTING BRACKETS AND 3/8" ASSEMBLY HARDWARE. SHACKLE AND LIFTING EQUIPMENT TO BE PROVIDED BY THE INSTALLER.

IMPORTANT NOTES:

- 1. THE INSTALLER IS RESPONSIBLE FOR SOURCING LIFTING EQUIPMENT OF APPROPRIATE RATING FOR THE SCOREBOARD ASSEMBLY. APPROXIMATE SCOREBOARD WEIGHTS CAN BE FOUND ON INFO DRAWINGS. INSPECT ALL EQUIPMENT AND HARDWARE BEFORE LIFTING.
- 2. ALL PROVIDED LIFTING BRACKETS MUST BE USED TO LIFT THE SCOREBOARD. DISTRIBUTE WEIGHT EVENLY BETWEEN BRACKETS. ALL BRACKETS MUST BE ATTACHED TO THE UNISTRUT USING TWO 3/8" SPRING NUT & BOLT ASSEMBLIES. DO NOT TIGHTEN BOLTS BEYOND 19 FT-LB OF TORQUE.
- 3. THE PROVIDED LIFTING BRACKETS ARE INTENDED TO FOR USE WITH BACK-TO-BACK (DOUBLE) UNISTRUT. FOR SINGLE UNISTRUT, SMALLER BRACKETS ARE NEEDED.
- 4. PROLONGED ENVIRONMENTAL EXPOSURE COULD WEAKEN UNPAINTED BRACKETS. REMOVE BRACKETS AFTER MOUNTING. STORE BRACKETS IN A LOCATION PROTECTED FROM THE ELEMENTS.
- 5. IF SCOREBOARD COMPONENTS ARE SHIPPED IN SEPARATE PIECES, LIFT AND MOUNT EACH COMPONENT SEPARATELY. DO NOT ASSEMBLE BEFORE LIFTING.
- 6. OES IS NOT RESPONSIBLE FOR DAMAGES RESULTING FROM IMPROPER LIFTING OF THE SCOREBOARD.

