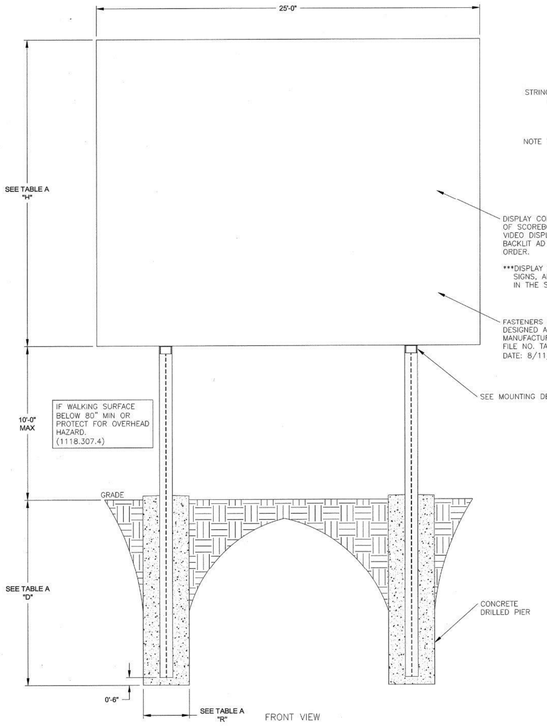
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120551 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 01/11/2021



FRONT VIEW

SOME DISPLAYS REQUIRE STRINGERS FOR SIGN MOUNTING. REFER TO SHEET 3 & 4 FOR MOUNTING METHODS. STRINGERS SHALL BE HSS 6"X4"X1/4" A500-C STEEL. ENDS OF STRINGERS SHALL BE CAPPED WITH A 1/4" PLATE AND WELDED ALL AROUND TO SEAL. STRINGERS SHALL BE THE WIDTH OF THE DISPLAY. QUANTITY OF STRINGERS WILL VARY DEPENDING ON CONFIGURATION OF INDIVIDUAL SIGN CABINETS. SIGN CABINET MAY NOT WEIGH MORE THAN 12 psf.

STRINGERS SHOWN ARE FOR THE STRINGER MOUNT OPTION ONLY. SEE SECTIONS A-A AND B-B FOR INFORMATION REGARDING THE STRINGERS AT THE TOP OF THE COLUMNS WHEN USED TO MOUNT SPEAKER CABINETS ABOVE BOTH STRINGER MOUNT AND POLE MOUNT TYPE DISPLAYS.

NOTE THAT THE STRINGERS USED FOR THE CLAMP MOUNT OPTION ARE NOT THE FULL WIDTH OF THE DISPLAY BELOW AND ARE NOT ATTACHED TO THE DISPLAY BELOW.

DISPLAY COMPOSED OF A COMBINATION OF SCOREBOARDS, NON-BACKLIT AD PANELS, VIDEO DISPLAYS, SPEAKER CABINETS, BACKLIT AD PANELS, AND TRUSSES IN ANY ORDER.

***DISPLAY CABINETS, SCOREBOARDS, SIGNS, AND SPEAKER CABINETS NOT IN THE SCOPE OF DSA REVIEW

FASTENERS AND CLIP ANGLES WILL BE DESIGNED AND PROVIDED BY MANUFACTURER PER DSA MEMORANDUM FILE NO. TABLE 23-P DATE: 8/11/1992

SEE MOUNTING DETAIL 4

CLAMPS PLACED AT TOP AND BOTTOM OF DISPLAY SECTIONS, 4 CLAMPS PER SECTION. REFER TO SHEET 2, DETAILS 1, 2, 3, AND SHEET 3, DETAIL 6 FOR MOUNTING METHODS.

DOWN-SLOPE STEEPER THAN 12:1 (H:V) NOT PERMITTED WITHIN A DISTANCE OF 1.5 TIMES THE FOOTING DEPTH "D" FROM THE FOOTING IN ANY HORIZONTAL DIRECTION, TYP

STRINGERS

10'-0" L-L MAX SPACING

JOINT BETWEEN DISPLAY COMPONENTS. TYP

≈15'-0" CENTER TO CENTER

SEE TABLE A

GRADE

REAR VIEW

TYPICAL CLAMP MOUNTED SCOREBOARD, AD PANEL AND TRUSS COMBINATION

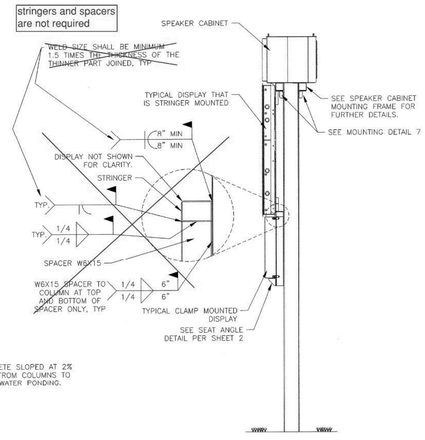
stringers and spacers are not required

SEE MOUNTING DETAIL 4

GRADE

CONCRETE SLOPED AT 2% AWAY FROM COLUMNS TO AVOID WATER PONDING.

SIDE VIEW
POLE MOUNT SYSTEM
MOUNTING DETAILS 1,2,3,6



SIDE VIEW

NOTE:
- POLE MOUNT DISPLAY SEE SHEET 2, DETAILS 1, 2, 3, AND SHEET 3, DETAIL 6.
- STRINGER MOUNT DISPLAY SEE SHEET 3, DETAIL 8, AND SHEET 4, DETAILS 9, 10, 11, AND 12.
- SPEAKER CABINET SEE SHEET 3, DETAIL 5.

FOOTING DIAMETER SEE TABLE A "R"

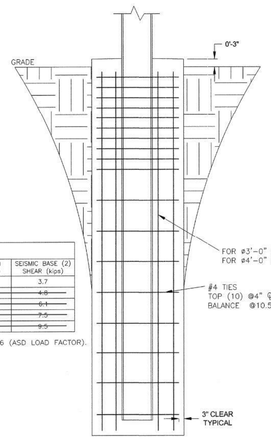
LAYOUT VIEW
COLUMNS AND FOOTING ONLY

NOTE:
-DISPLAYS ARE CENTERED ON 2 COLUMNS (12'-6" TRIBUTARY WIDTH USED IN DESIGN).

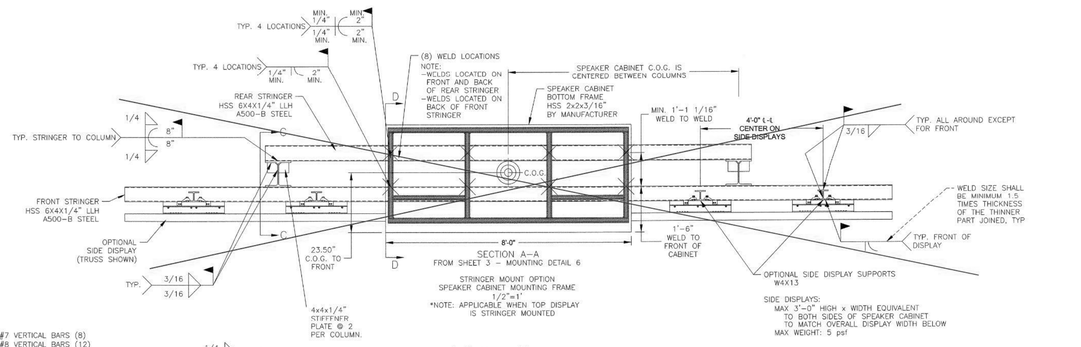
TABLE A-110MPH WIND SPEED

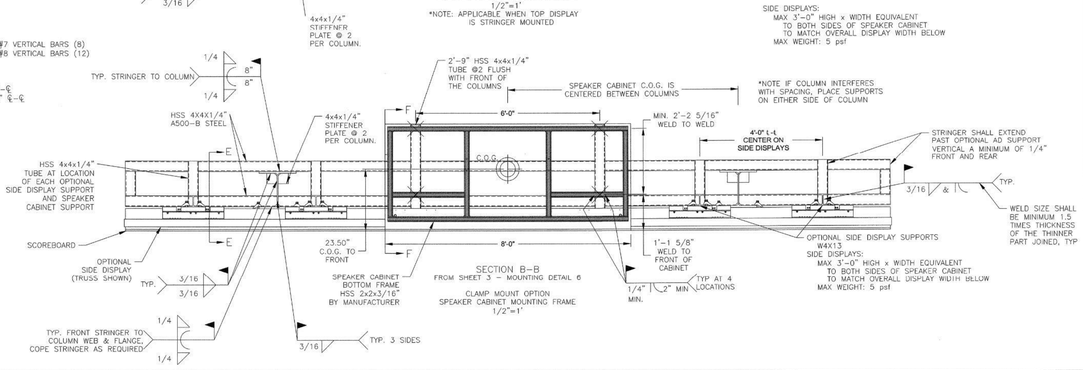
DISPLAY HEIGHT (FT) "H"	COLUMN SIZE (3)	FOOTING DEPTH (FT) "D"	FOOTING DIAMETER (FT) "R"	MAXIMUM DISPLAY WEIGHT (LBS)	Kz	Cf	DESIGN WIND (1) PRESSURE (PSF)	SEISMIC BASE (2) SHEAR (kips)
12	W10X45	13.00	3.0	4,450	0.92	1.68	34.5	3.7
~~16~~	~~W12X50~~	~~16.25~~	~~3.0~~	~~5,650~~	~~0.95~~	~~1.66~~	~~35.5~~	~~4.8~~
20	W18X76	19.75	3.0	6,850	0.98	1.65	36.4	6.1
~~24~~	~~W14X90~~	~~23.50~~	~~3.0~~	~~8,050~~	~~1.01~~	~~1.64~~	~~37.1~~	~~7.5~~
~~28~~	~~W14X120~~	~~27.00~~	~~3.0~~	~~9,250~~	~~1.03~~	~~1.64~~	~~37.9~~	~~9.5~~

(1) PER ASCE7 CASE B LOADING. CASE B LOADING = (CASE A LOADING) X (1.67). THE PRESSURES HAVE BEEN MULTIPLIED BY 0.6 (ASD LOAD FACTOR).
(2) 0.7V PER ASCE7-10 ASD EQUATIONS.
(3) COLUMN MAY BE SPLICED WITH A PREQUALIFIED CJP WELD.



REINFORCING STEEL DETAIL
1/2"=1'





PRE-CHECK (PC) DOCUMENT

CODE: 2016 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

VECTOR ENGINEERS
Logan L. Ainsworth, S.E.
9138 s. State Street, Suite 101 (801) 990-1775
Sandy, Utah 84070 (801) 990-1776 FAX

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9138 S. State Street, Suite 101 (801) 990-1775
Sandy, Utah 84070 (801) 990-1776 FAX

PROJECT NO: 01039-607-671

LOGAN L AINSWORTH
REGISTERED PROFESSIONAL ENGINEER
S3914
STRUCTURAL
STATE OF CALIFORNIA

03/08/2017

STRUCTURAL ENGINEER OF RECORD

APPROVALS

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 116017 L
ACS ☑ FLS ☑ SS ☑
DATE NOV 30 2017

REV.	DATE:	REVISED DRAWING PER DSA COMMENTS MADE ON 14 JUL 17.	BY:
01	16 OCT 17		SAE

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THIRD ANGLE PROJECTION

PROJECT:	2016 DSA PRE-CHECK DRAWINGS		
TITLE:	PC-2; 25'-0" WIDE ELEVATION, 110 MPH WIND SPEED		
DATE:	20 FEB 17	DIM UNITS: INCHES [MILLIMETERS]	SHEET 6 / REV 01
SCALE:	1/4" = 1'-0"	DO NOT SCALE DRAWING	
DESIGN:	SEASTMA	ASB NO. P2015-01	TYPE: TYP1, ASB1 F.10.D
DRAWN:	SEASTMA		3574940