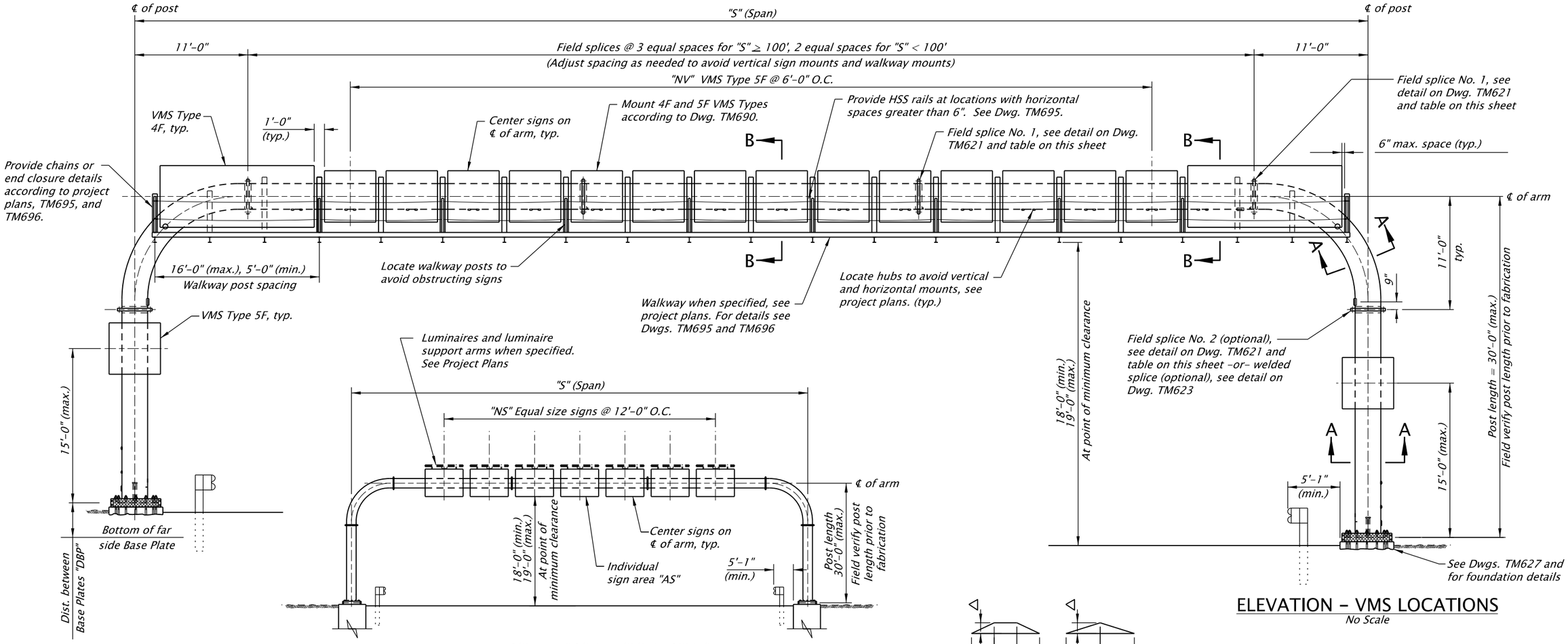
10-JUL-2020

TM693.dgn



ELEVATION – SIGN LOCATIONS
No Scale

ELEVATION – VMS LOCATIONS
No Scale

CAMBER
No Scale

Camber may be obtained in sections by beveling the ends of each arm segment with the flange faces vertical at the splice locations.

For additional details and sections not shown, see Dwgs. TM621 through TM628, TM690 and TM691

VMS Type	Access	VMS Height (ft)	VMS Length (ft)	Max. VMS Area (ft^2)	VMS Depth	Weight (lbs)
4F	Front	6	15	90	1'-4"	900
5F	Front	5	5	25	1'-2"	500

Structure Design No.	"TR"	Base Plate				Anchor Rods			
		"A"	"B"	"C"	"T"	"DA"	"N"	~~Θ~~ (deg.)	"PR"
1	2¼"	3'-8"	3'-2"	9"	2½"	1½"	18	20	9"
2	1¾"	3'-8"	3'-2"	9"	2½"	1½"	14	25.7	9"
3	1½"	3'-8"	3'-2"	9"	2½"	1½"	12	30	9"

Structure Design No.	Max. "S" (ft)	Max. "NV"	Max. "NS"	Max. "AS" (ft^2)	Arm and Post Dimensions			Field Splice No. 1					Field Splice No. 2 (Optional)					Camber △ (in)
					"D"	"ta"	"tv"	"DB"	"NB"	"DS"	"BC"	"ts"	"DB"	"NB"	"DS"	"BC"	"ts"	
1	120	14	7	110	2'-6"	½"	⅝"	⅞"	26	3'-8"	3'-2"	2"	1"	24	3'-8"	3'-2"	2½"	4¼"
2	100	10	5	121	2'-6"	⅜"	½"	⅞"	22	3'-8"	3'-2"	2"	⅞"	24	3'-8"	3'-2"	2½"	2¾"
3	80	6	3	154	2'-6"	⅜"	⅜"	⅞"	20	3'-8"	3'-2"	2"	⅞"	20	3'-8"	3'-2"	2½"	1¾"

Accompanied by dwgs. TM627, TM628, TM694, TM695, TM696, TM697

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

STD. MONOTUBE VMS/SIGN BRIDGE GENERAL DESIGN CRITERIA

2024

DATE	REVISION DESCRIPTION

CALC. BOOK NO. 6969-6972 | SDR DATE 10-JAN-2020 | **TM693**

Effective Date: June 1, 2026 – November 30, 2026