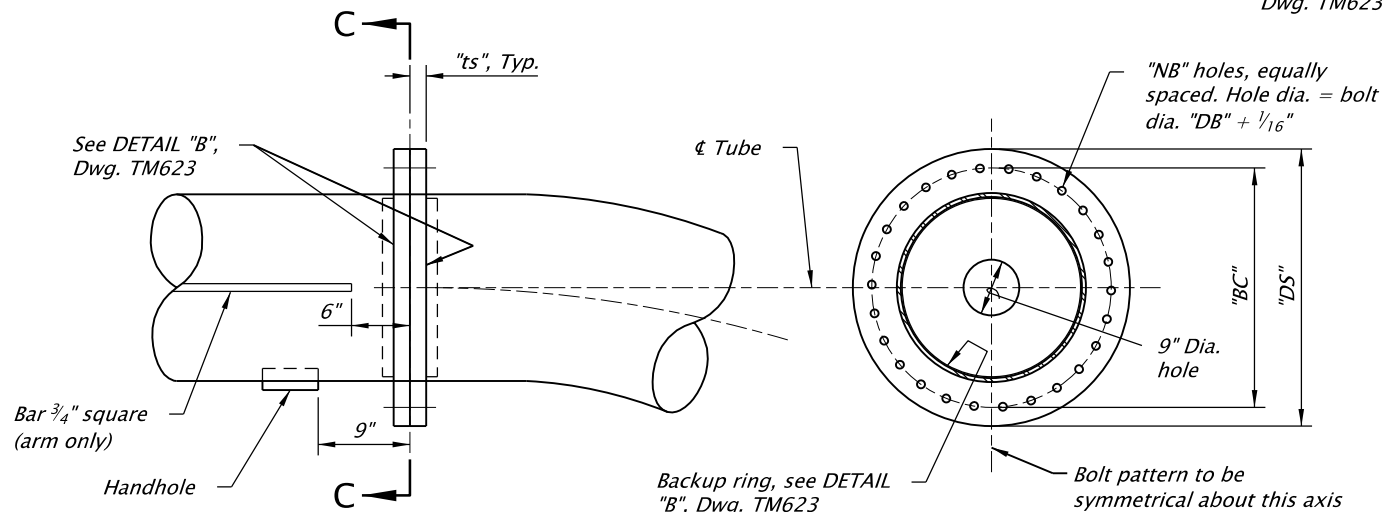


<i>VMS Type</i>	<i>Access</i>	<i>VMS Height (ft)</i>	<i>VMS Length (ft)</i>	<i>Max. VMS Area (ft²)</i>	<i>VMS Depth</i>	<i>Weight (lbs)</i>
1W	Walk-In	8	30	240	4'-0"	3950
2F	Front	8	30	240	1'-4"	2290
3F	Front	8	21	168	1'-4"	1680
4F	Front	6	15	90	1'-4"	900

Note: Use TM690 and TM691 for walk-in access VMS. Use TM695 and TM696 for front access VMS with a walkway.

Structure Design No.	Max. "LA" (ft)	* Max. "CL"	* Max. Sign Area (ft ²)	VMS Type	Arm and Post Dimensions			Field Splice					***Arm Camber without walkway	***Arm Camber with walkway
					"D"	"ta"	"tv"	"DB"	"NB"	"DS"	"BC"	"ts"		
1	42	28'-6"	350	-	2'-6"	1/2"	5/8"	7/8"	26	3'-8"	3'-2"	23/4"	33/4"	-
2	50	40'-0"	253	3F, 4F	2'-6"	1/2"	5/8"	7/8"	26	3'-8"	3'-2"	23/4"	61/4"	83/4"
3	40	30'-0"	253	-	2'-6"	3/8"	1/2"	7/8"	20	3'-8"	3'-2"	21/2"	31/2"	-
4	50**	42'-6"	153	4F	2'-6"	3/8"	1/2"	7/8"	20	3'-8"	3'-2"	21/2"	6"	7"
5	40	32'-6"	153	-	2'-6"	3/8"	1/2"	7/8"	20	3'-8"	3'-2"	2"	31/2"	-
6	30	22'-6"	153	-	2'-0"	3/8"	1/2"	7/8"	18	3'-2"	2'-8"	21/2"	23/4"	-
7	50	46'-6"	54	-	2'-0"	3/8"	3/8"	7/8"	16	3'-2"	2'-8"	21/2"	101/4"	-
8	30	26'-6"	54	-	1'-6"	3/8"	3/8"	7/8"	12	2'-8"	2'-2"	21/2"	43/4"	-
9	45	-	-	1W, 2F, 3F, 4F	2'-6"	1/2"	5/8"	7/8"	26	3'-8"	3'-2"	23/4"	-	7"

* *Limits do not apply to VMS Signs*

** "LA" is limited to 45 ft. for Design No. 4 when a walkway is used.

*** *Arm Camber for VMS types according to Project Plans*

Accompanied by dwgs. TM621, TM623, TM624, TM625, TM626, TM627, TM628, TM690, TM691, TM694, TM695 and TM696

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 SIGN/VMS
CANTILEVER
GENERAL DESIGN CRITERIA

2024

DATE	REVISION DESCRIPTION
01-2021	REVISED CAMBER VALUES AND REMOVED CAMBER VALUES NOT USED
07-2023	REMOVED FIELD SPICE NO. 2, REMOVED HANDHOLE, ADDED TM694, TM695 AND TM696 ACCOMPANIED BY DRAWINGS, AND ADDED VMS WALKWAY NOTE
07-2024	GROUNDING TERMINAL WAS OPPOSITE HANDHOLE
CALC. BOOK NO. 6921-6930, 6974	SDR DATE 12-JUL-2024
	TM621