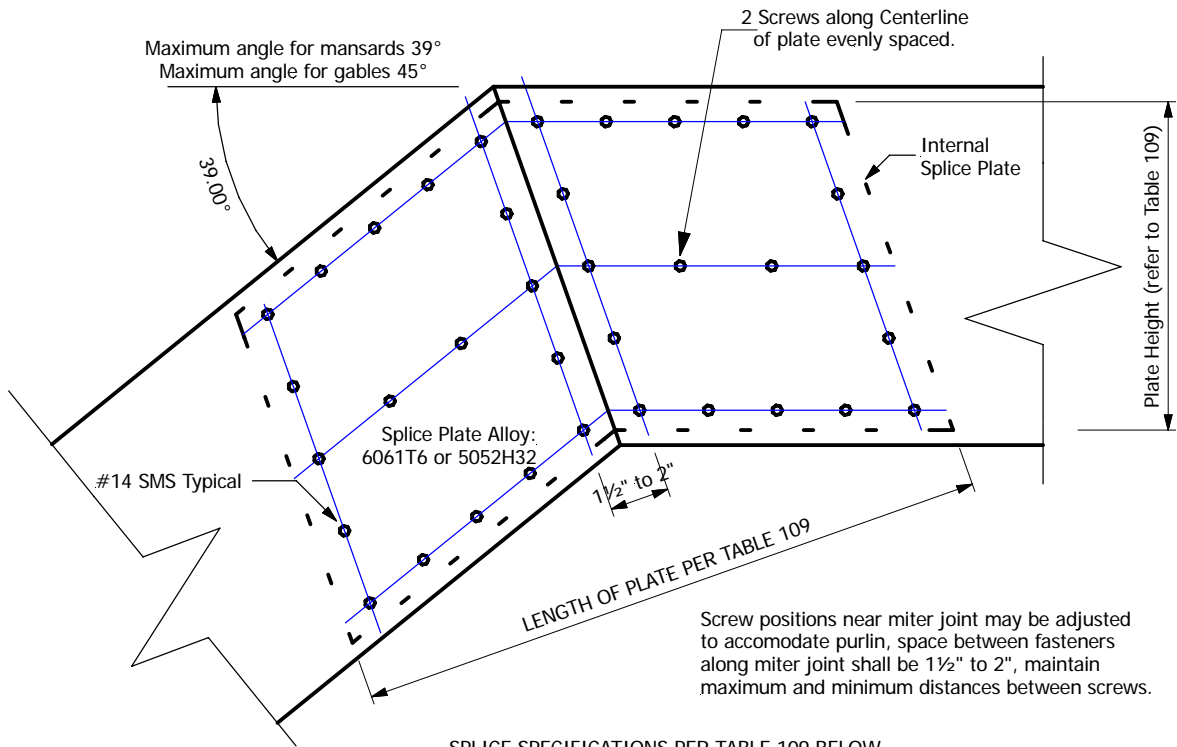


# Chapter 1 - Screen Enclosures



Screw positions near miter joint may be adjusted to accommodate purlin, space between fasteners along miter joint shall be 1 1/2" to 2", maintain maximum and minimum distances between screws.

SPLICE SPECIFICATIONS PER TABLE 109 BELOW

### TYPICAL ELEVATION FOR BEAM MITER SPLICE

[DETAIL MAY BE ROTATED FOR GABLE RIDGE SPLICE, AND MAY ALSO SERVE AS SPECIFICATIONS FOR A STRAIGHT SPLICE, MAINTAIN PLATE AND CONNECTOR SPECIFICATIONS IN TABLE 109 FOR ALL]

**Table 109 Beam Splice Plate Size and Fastening Requirements**

Beam Splice Plate Requirements for Beams of 6063T6 alloy								
Member (SMB)	Plate Length	Beams of 6063T6 alloy			#14 SMS Per Side	Total #14 SMS Per Splice	Fastener Spaces	
		M <sub>a</sub> 6063T6	Req'd Thicknesses 5052H32	6061T6			Number of Spaces Horizontal	Vertical
2X4	10"	7.2	1/8"	1/8"	8	32	2	2
2X5	12"	11.6	1/8"	1/8"	12	48	3	2
2X6	12"	14.5	1/8"	1/8"	14	56	3	3
2X7	14"	18.6	1/8"	1/8"	14	56	3	3
2X8	18"	55.6	1/4"	3/16"	16	64	4	3
2X9	18"	84.6	1/4"	3/16"	18	72	4	4
2X10	20"	117.2	5/16"	1/4"	22	88	4	6

Beam Splice Plate Requirements for Beams of 6005T5 alloy								
Member (SMB)	Plate Length	Beams of 6005T5 alloy			#14 SMS Per Side	Total #14 SMS Per Splice	Fastener Spaces	
		M <sub>a</sub> 6005T5	Req'd Thicknesses 5052H32	6061T6			Number of Spaces Horizontal	Vertical
2X4	10"	8.8	3/16"	1/8"	8	32	2	2
2X5	12"	14.0	3/16"	1/8"	12	48	3	2
2X6	12"	17.5	3/16"	1/8"	14	56	3	3
2X7	14"	22.3	3/16"	1/8"	14	56	3	3
2X8	18"	67.6	5/16"	1/4"	18	72	4	4
2X9	18"	118.1	3/8"	1/4"	24	96	6	5
2X10	20"	161.3	3/8"	5/16"	26	104	6	6

Table Notes:

- 1 6061T6 beams use same plates as 6005T5 beams
- 2 5052H32 is a sheet alloy, 6061T6 is a plate alloy
- 3 M<sub>a</sub> (allowable moments for beams in in-kips)