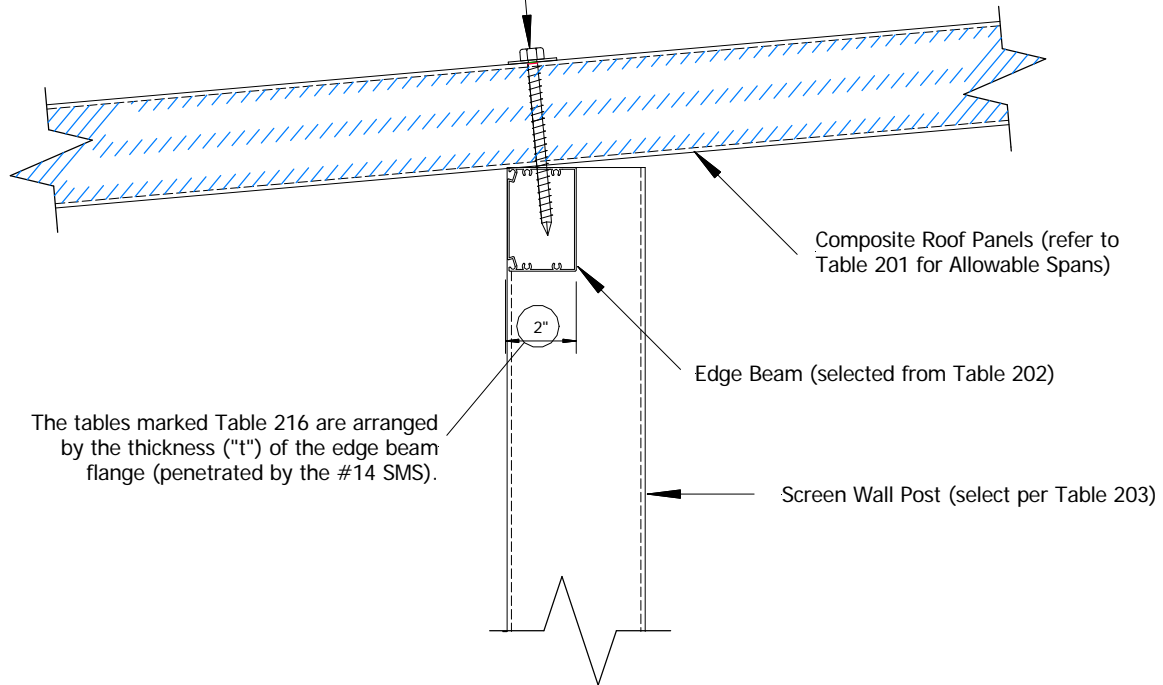


#14 (1/4"Ø) SMS with 1 1/4" Ø Fender Washers spaced in accordance with Table 216 for the selected edge beam by roof panel load width (Maximum spacing 12" O.C.)



ROOF PANEL FASTENING DETAIL #3

C3
2

ALTERNATE DETAIL FOR THE CONNECTION OF COMPOSITE ROOF PANELS TO SUPPORTING BEAMS

Chapter 2 - Screen Rooms - Exposure B

SPACING (IN INCHES) OF #14 SMS FASTENERS THRU COMPOSITE PANELS INTO EDGE BEAMS

TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

TABLE 216

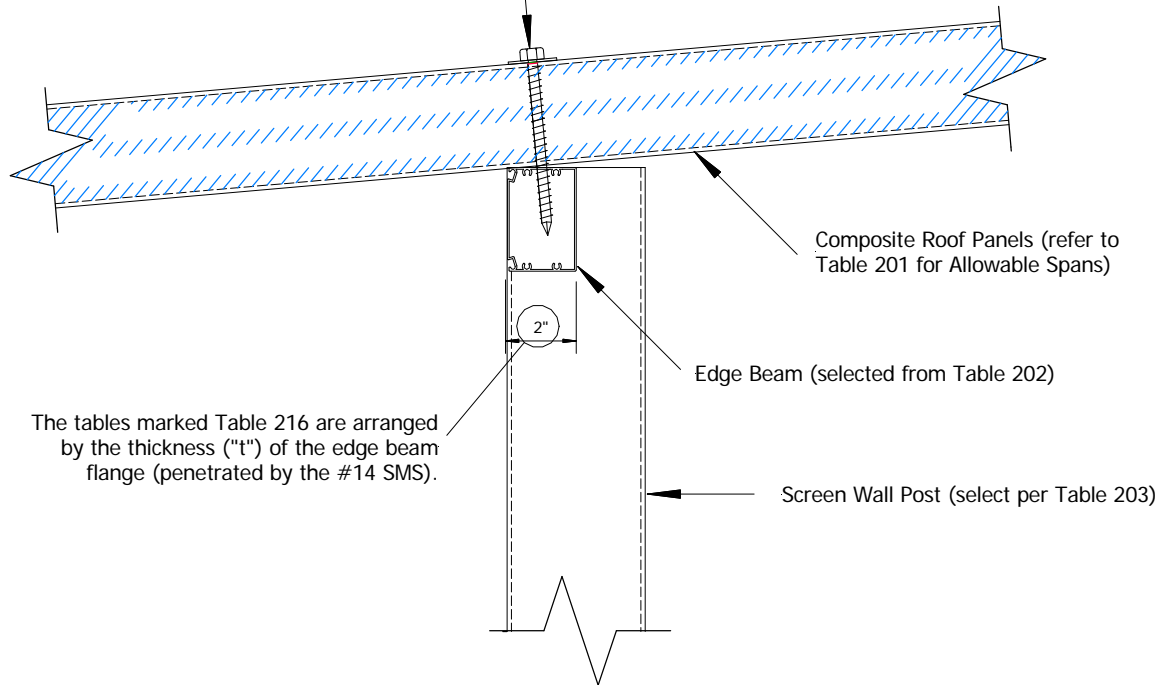
TABLE NOTE #2: this table is based upon ASCE7-10 pressures using Allowable Stress Design ("ASD")

TABLE NOTE #3: when tabular value exceeds 12, use 12

	Velocity Zones	Design qz	Design Pressure	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET								
				5	6	7	8	9	10	11	12	
				TYPE I (Partially Enclosed)								
TYPE I (Partially Enclosed)	EXPOSURE B	110	18.4	-26.0	13	11	9	8	7	6	6	5
		120	21.9	-30.9	11	9	8	7	6	5	5	4
		130	25.7	-36.3	9	8	6	6	5	4	4	4
		140	29.9	-42.1	8	6	5	5	4	4	3	3
		150	34.3	-48.3	7	6	5	4	4	3	3	3
		160	39.0	-55.0	6	5	4	4	3	3	2	2
	EXPOSURE C	110	22.4	-31.6	11	9	7	6	6	5	5	4
		120	26.6	-37.6	9	7	6	5	5	4	4	3
		130	31.3	-44.1	8	6	5	5	4	4	3	3
		140	36.3	-51.1	6	5	4	4	3	3	3	2
		150	41.6	-58.7	6	5	4	3	3	3	2	2
		160	47.3	-66.8	5	4	3	3	2	2	2	2
	EXPOSURE D	110	27.1	-38.2	9	7	6	5	5	4	4	3
		120	32.3	-45.5	7	6	5	4	4	3	3	3
		130	37.9	-53.4	6	5	4	4	3	3	3	2
		140	43.9	-61.9	5	4	4	3	3	2	2	2
		150	50.4	-71.1	4	4	3	3	2	2	2	2
		160	57.4	-80.9	4	3	3	2	2	2	1	1
TYPE II (Enclosed)												
TYPE II (Enclosed)	EXPOSURE B	110	18.4	-21.9	16	13	11	10	8	8	7	6
		120	21.9	-26.1	13	11	9	8	7	6	6	5
		130	25.7	-30.6	11	9	8	7	6	5	5	4
		140	29.9	-35.5	9	8	7	6	5	4	4	4
		150	34.3	-40.7	8	7	6	5	4	4	3	3
		160	39.0	-46.3	7	6	5	4	4	3	3	3
	EXPOSURE C	110	22.4	-26.6	13	11	9	8	7	6	6	5
		120	26.6	-31.6	11	9	7	6	6	5	5	4
		130	31.3	-37.1	9	7	6	5	5	4	4	3
		140	36.3	-43.1	8	6	5	5	4	4	3	3
		150	41.6	-49.4	7	5	5	4	3	3	3	2
		160	47.3	-56.3	6	5	4	3	3	3	2	2
	EXPOSURE D	110	27.1	-32.2	10	9	7	6	6	5	4	4
		120	32.3	-38.3	9	7	6	5	5	4	4	3
		130	37.9	-45.0	7	6	5	4	4	3	3	3
		140	43.9	-52.2	6	5	4	4	3	3	3	2
		150	50.4	-59.9	5	4	4	3	3	2	2	2
		160	57.4	-68.2	5	4	3	3	2	2	2	2

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#14 (1/4"Ø) SMS with 1 1/4" Ø Fender Washers spaced in accordance with Table 216 for the selected edge beam by roof panel load width (Maximum spacing 12" O.C.)



ROOF PANEL FASTENING DETAIL #3

C3
2

ALTERNATE DETAIL FOR THE CONNECTION OF COMPOSITE ROOF PANELS TO SUPPORTING BEAMS

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Chapter 2 - Screen Rooms - Exposure C

SPACING (IN INCHES) OF #14 SMS FASTENERS THRU COMPOSITE PANELS INTO EDGE BEAMS

TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

TABLE 216

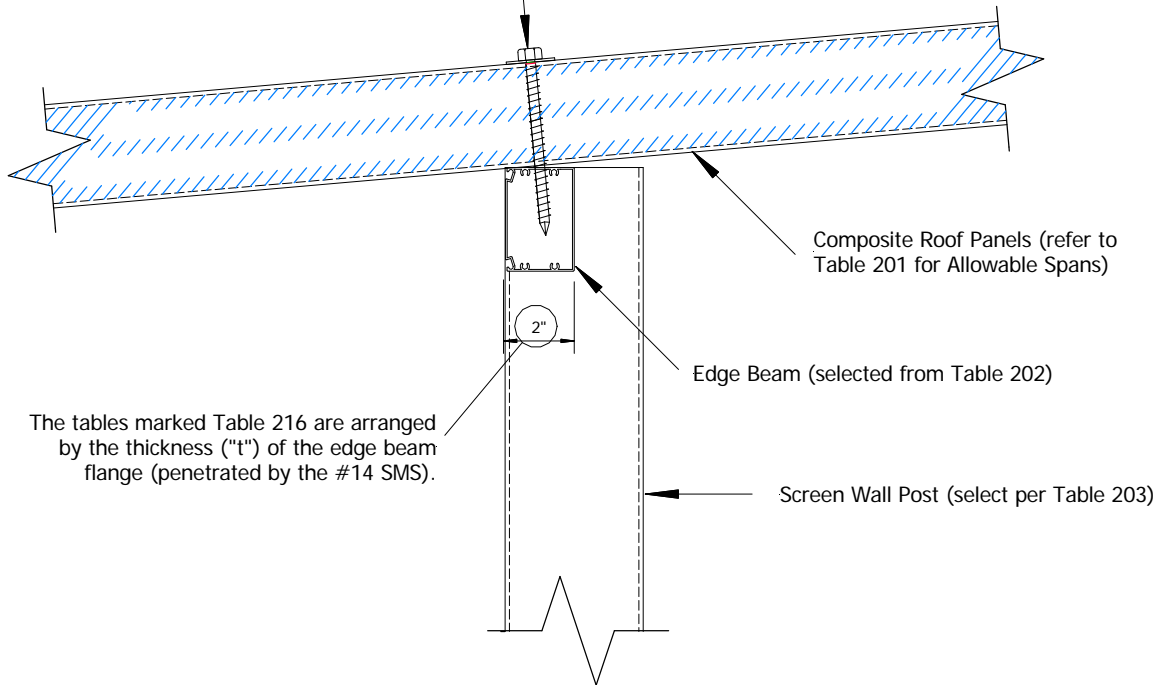
TABLE NOTE #2: this table is based upon ASCE7-10 pressures using Allowable Stress Design ("ASD")

TABLE NOTE #3: when tabular value exceeds 12, use 12

	Velocity Zones	Design qz	Design Pressure	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET								
				5	6	7	8	9	10	11	12	
				TYPE I (Partially Enclosed)								
TYPE I (Partially Enclosed)	EXPOSURE B	110	18.4	-26.0	13	11	9	8	7	6	6	5
		120	21.9	-30.9	11	9	8	7	6	5	5	4
		130	25.7	-36.3	9	8	6	6	5	4	4	4
		140	29.9	-42.1	8	6	5	5	4	4	3	3
		150	34.3	-48.3	7	6	5	4	4	3	3	3
		160	39.0	-55.0	6	5	4	4	3	3	2	2
	EXPOSURE C	110	22.4	-31.6	11	9	7	6	6	5	5	4
		120	26.6	-37.6	9	7	6	5	5	4	4	3
		130	31.3	-44.1	8	6	5	5	4	4	3	3
		140	36.3	-51.1	6	5	4	4	3	3	3	2
		150	41.6	-58.7	6	5	4	3	3	3	2	2
		160	47.3	-66.8	5	4	3	3	2	2	2	2
	EXPOSURE D	110	27.1	-38.2	9	7	6	5	5	4	4	3
		120	32.3	-45.5	7	6	5	4	4	3	3	3
		130	37.9	-53.4	6	5	4	4	3	3	3	2
		140	43.9	-61.9	5	4	4	3	3	2	2	2
		150	50.4	-71.1	4	4	3	3	2	2	2	2
		160	57.4	-80.9	4	3	3	2	2	2	1	1
TYPE II (Enclosed)												
TYPE II (Enclosed)	EXPOSURE B	110	18.4	-21.9	16	13	11	10	8	8	7	6
		120	21.9	-26.1	13	11	9	8	7	6	6	5
		130	25.7	-30.6	11	9	8	7	6	5	5	4
		140	29.9	-35.5	9	8	7	6	5	4	4	4
		150	34.3	-40.7	8	7	6	5	4	4	3	3
		160	39.0	-46.3	7	6	5	4	4	3	3	3
	EXPOSURE C	110	22.4	-26.6	13	11	9	8	7	6	6	5
		120	26.6	-31.6	11	9	7	6	6	5	5	4
		130	31.3	-37.1	9	7	6	5	5	4	4	3
		140	36.3	-43.1	8	6	5	5	4	4	3	3
		150	41.6	-49.4	7	5	5	4	3	3	3	2
		160	47.3	-56.3	6	5	4	3	3	3	2	2
	EXPOSURE D	110	27.1	-32.2	10	9	7	6	6	5	4	4
		120	32.3	-38.3	9	7	6	5	5	4	4	3
		130	37.9	-45.0	7	6	5	4	4	3	3	3
		140	43.9	-52.2	6	5	4	4	3	3	3	2
		150	50.4	-59.9	5	4	4	3	3	2	2	2
		160	57.4	-68.2	5	4	3	3	2	2	2	2

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#14 (1/4"Ø) SMS with 1 1/4" Ø Fender Washers spaced in accordance with Table 216 for the selected edge beam by roof panel load width (Maximum spacing 12" O.C.)



ROOF PANEL FASTENING DETAIL #3

C3
2

ALTERNATE DETAIL FOR THE CONNECTION OF COMPOSITE ROOF PANELS TO SUPPORTING BEAMS

Chapter 2 - Screen Rooms - Exposure D

SPACING (IN INCHES) OF #14 SMS FASTENERS THRU COMPOSITE PANELS INTO EDGE BEAMS

TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

TABLE 216

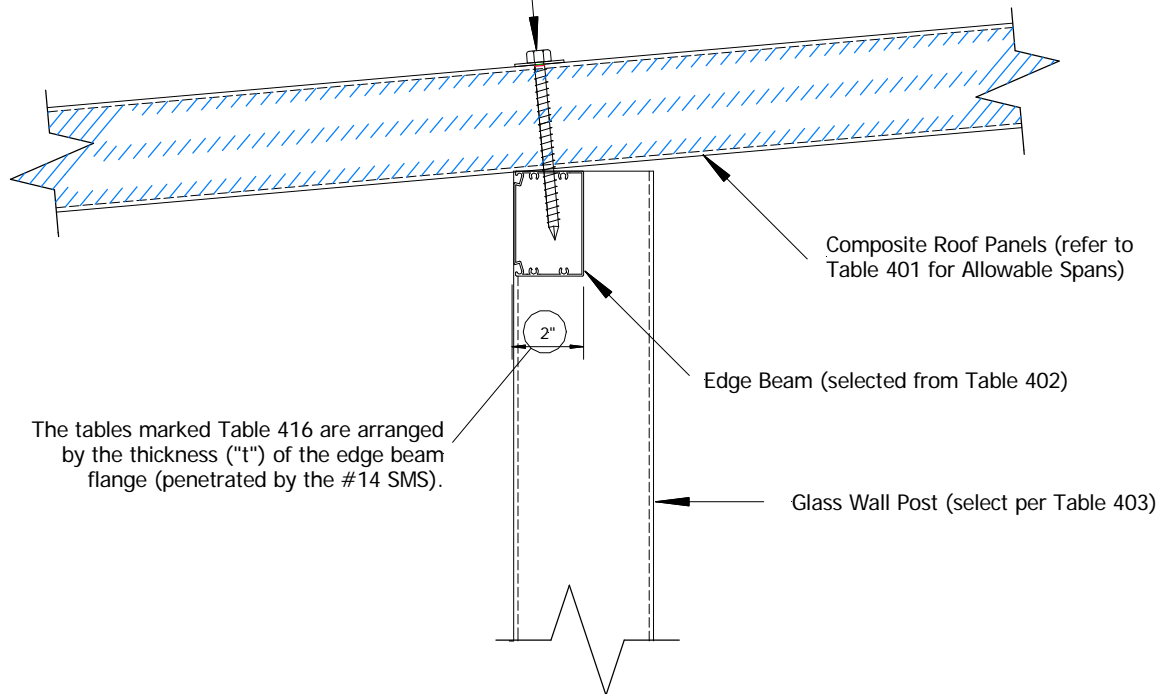
TABLE NOTE #2: this table is based upon ASCE7-10 pressures using Allowable Stress Design ("ASD")

TABLE NOTE #3: when tabular value exceeds 12, use 12

	Velocity Zones	Design qz	Design Pressure	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET								
				5	6	7	8	9	10	11	12	
TYPE I (Partially Enclosed)	EXPOSURE B	110	18.4	-26.0	13	11	9	8	7	6	6	5
		120	21.9	-30.9	11	9	8	7	6	5	5	4
		130	25.7	-36.3	9	8	6	6	5	4	4	4
		140	29.9	-42.1	8	6	5	5	4	4	3	3
		150	34.3	-48.3	7	6	5	4	4	3	3	3
		160	39.0	-55.0	6	5	4	4	3	3	2	2
	EXPOSURE C	110	22.4	-31.6	11	9	7	6	6	5	5	4
		120	26.6	-37.6	9	7	6	5	5	4	4	3
		130	31.3	-44.1	8	6	5	5	4	4	3	3
		140	36.3	-51.1	6	5	4	4	3	3	3	2
		150	41.6	-58.7	6	5	4	3	3	3	2	2
		160	47.3	-66.8	5	4	3	3	2	2	2	2
	EXPOSURE D	110	27.1	-38.2	9	7	6	5	5	4	4	3
		120	32.3	-45.5	7	6	5	4	4	3	3	3
		130	37.9	-53.4	6	5	4	4	3	3	3	2
		140	43.9	-61.9	5	4	4	3	3	2	2	2
		150	50.4	-71.1	4	4	3	3	2	2	2	2
		160	57.4	-80.9	4	3	3	2	2	2	1	1
TYPE II (Enclosed)	EXPOSURE B	110	18.4	-21.9	16	13	11	10	8	8	7	6
		120	21.9	-26.1	13	11	9	8	7	6	6	5
		130	25.7	-30.6	11	9	8	7	6	5	5	4
		140	29.9	-35.5	9	8	7	6	5	4	4	4
		150	34.3	-40.7	8	7	6	5	4	4	3	3
		160	39.0	-46.3	7	6	5	4	4	3	3	3
	EXPOSURE C	110	22.4	-26.6	13	11	9	8	7	6	6	5
		120	26.6	-31.6	11	9	7	6	6	5	5	4
		130	31.3	-37.1	9	7	6	5	5	4	4	3
		140	36.3	-43.1	8	6	5	5	4	4	3	3
		150	41.6	-49.4	7	5	5	4	3	3	3	2
		160	47.3	-56.3	6	5	4	3	3	3	2	2
	EXPOSURE D	110	27.1	-32.2	10	9	7	6	6	5	4	4
		120	32.3	-38.3	9	7	6	5	5	4	4	3
		130	37.9	-45.0	7	6	5	4	4	3	3	3
		140	43.9	-52.2	6	5	4	4	3	3	3	2
		150	50.4	-59.9	5	4	4	3	3	2	2	2
		160	57.4	-68.2	5	4	3	3	2	2	2	2

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#14 (1/4"Ø) SMS with 1 1/4" Ø Fender Washers spaced in accordance with Table 216 for the selected edge beam by roof panel load width (Maximum spacing 12" O.C.)



ROOF PANEL FASTENING DETAIL #3

C3
2

ALTERNATE DETAIL FOR THE CONNECTION OF COMPOSITE ROOF PANELS TO SUPPORTING BEAMS

Chapter 4 - Glass Enclosures - Exposure B

SPACING (IN INCHES) OF #14 SMS FASTENERS THRU COMPOSITE PANELS INTO EDGE BEAMS

TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

TABLE 416

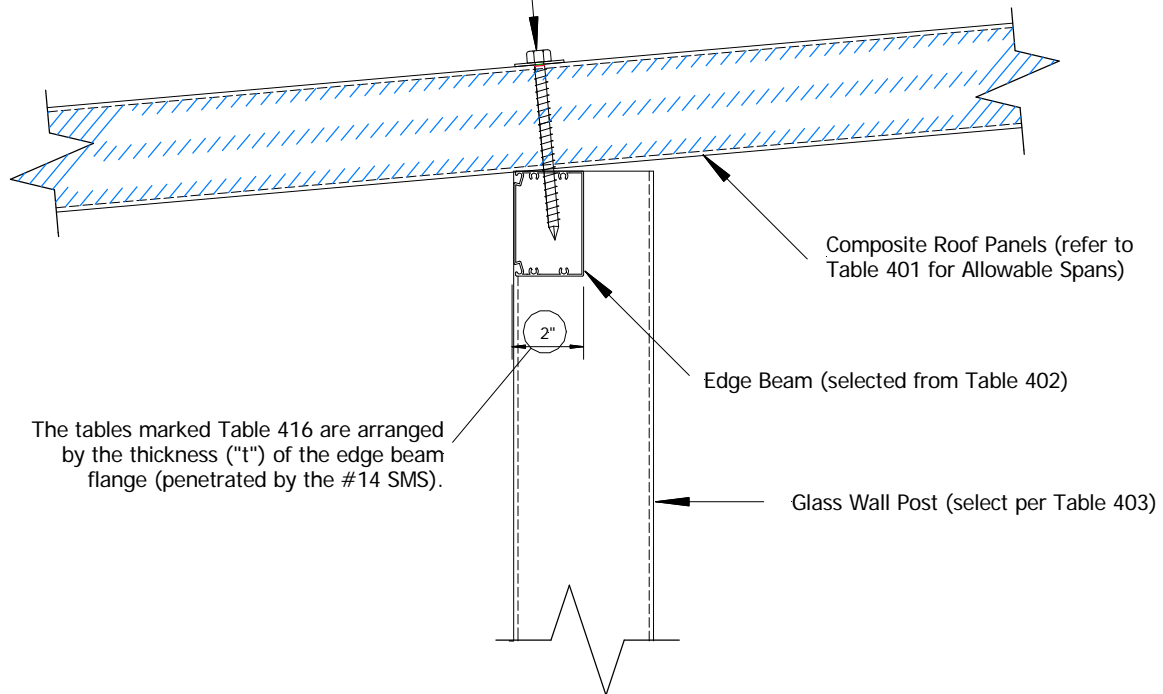
TABLE NOTE #2: this table is based upon ASCE7-10 pressures using Allowable Stress Design ("ASD")

TABLE NOTE #3: when tabular value exceeds 12, use 12

	Velocity Zones	Design Pressure qz	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET									
			5	6	7	8	9	10	11	12		
			Design Pressure									
TYPE I (Partially Enclosed)	EXPOSURE B	110	18.4	-26.0	13	11	9	8	7	6	6	5
		120	21.9	-30.9	11	9	8	7	6	5	5	4
		130	25.7	-36.3	9	8	6	6	5	4	4	4
		140	29.9	-42.1	8	6	5	5	4	4	3	3
		150	34.3	-48.3	7	6	5	4	4	3	3	3
		160	39.0	-55.0	6	5	4	4	3	3	2	2
	EXPOSURE C	110	22.4	-31.6	11	9	7	6	6	5	5	4
		120	26.6	-37.6	9	7	6	5	5	4	4	3
		130	31.3	-44.1	8	6	5	5	4	4	3	3
		140	36.3	-51.1	6	5	4	4	3	3	3	2
		150	41.6	-58.7	6	5	4	3	3	3	2	2
		160	47.3	-66.8	5	4	3	3	2	2	2	2
	EXPOSURE D	110	27.1	-38.2	9	7	6	5	5	4	4	3
		120	32.3	-45.5	7	6	5	4	4	3	3	3
		130	37.9	-53.4	6	5	4	4	3	3	3	2
		140	43.9	-61.9	5	4	4	3	3	2	2	2
		150	50.4	-71.1	4	4	3	3	2	2	2	2
		160	57.4	-80.9	4	3	3	2	2	2	1	1
TYPE II (Enclosed)	EXPOSURE B	110	18.4	-21.9	16	13	11	10	8	8	7	6
		120	21.9	-26.1	13	11	9	8	7	6	6	5
		130	25.7	-30.6	11	9	8	7	6	5	5	4
		140	29.9	-35.5	9	8	7	6	5	4	4	4
		150	34.3	-40.7	8	7	6	5	4	4	3	3
		160	39.0	-46.3	7	6	5	4	4	3	3	3
	EXPOSURE C	110	22.4	-26.6	13	11	9	8	7	6	6	5
		120	26.6	-31.6	11	9	7	6	6	5	5	4
		130	31.3	-37.1	9	7	6	5	5	4	4	3
		140	36.3	-43.1	8	6	5	5	4	4	3	3
		150	41.6	-49.4	7	5	5	4	3	3	3	2
		160	47.3	-56.3	6	5	4	3	3	3	2	2
	EXPOSURE D	110	27.1	-32.2	10	9	7	6	6	5	4	4
		120	32.3	-38.3	9	7	6	5	5	4	4	3
		130	37.9	-45.0	7	6	5	4	4	3	3	3
		140	43.9	-52.2	6	5	4	4	3	3	3	2
		150	50.4	-59.9	5	4	4	3	3	2	2	2
		160	57.4	-68.2	5	4	3	3	2	2	2	2

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#14 (1/4"Ø) SMS with 1 1/4" Ø Fender Washers spaced in accordance with Table 216 for the selected edge beam by roof panel load width (Maximum spacing 12" O.C.)



ROOF PANEL FASTENING DETAIL #3

C3
2

ALTERNATE DETAIL FOR THE CONNECTION OF COMPOSITE ROOF PANELS TO SUPPORTING BEAMS

Chapter 4 - Glass Enclosures - Exposure C

SPACING (IN INCHES) OF #14 SMS FASTENERS THRU COMPOSITE PANELS INTO EDGE BEAMS

TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

TABLE 416

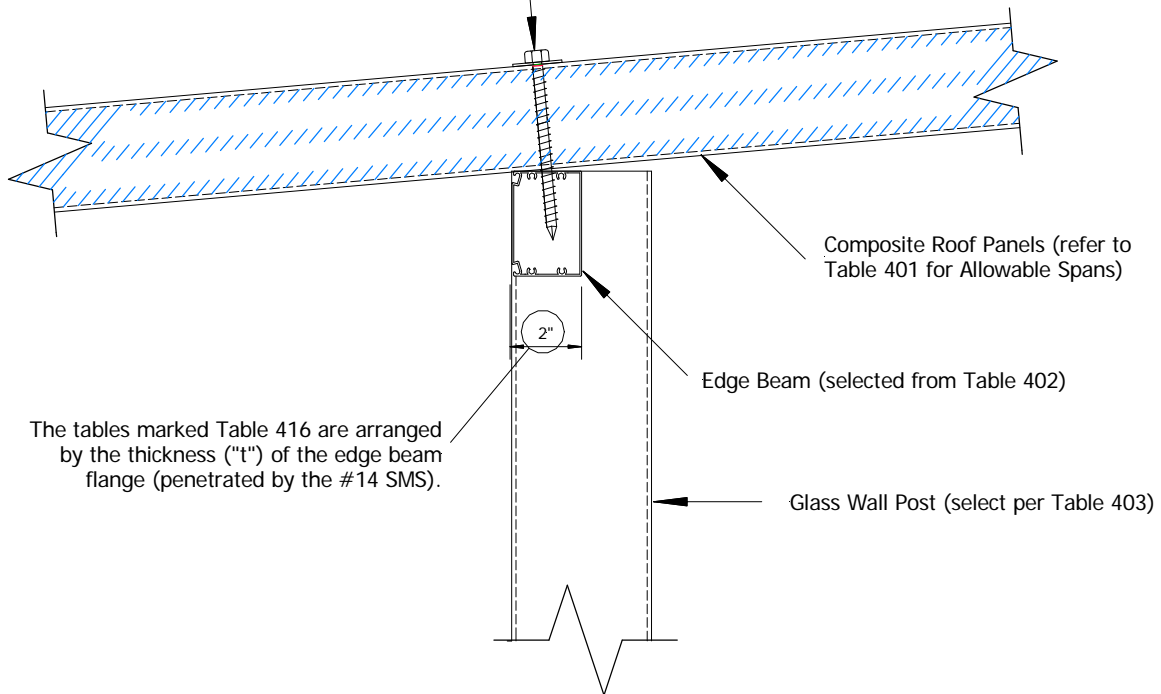
TABLE NOTE #2: this table is based upon ASCE7-10 pressures using Allowable Stress Design ("ASD")

TABLE NOTE #3: when tabular value exceeds 12, use 12

	Velocity Zones	Design Pressure qz	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET									
			5	6	7	8	9	10	11	12		
			Design Pressure									
TYPE I (Partially Enclosed)	EXPOSURE B	110	18.4	-26.0	13	11	9	8	7	6	6	5
		120	21.9	-30.9	11	9	8	7	6	5	5	4
		130	25.7	-36.3	9	8	6	6	5	4	4	4
		140	29.9	-42.1	8	6	5	5	4	4	3	3
		150	34.3	-48.3	7	6	5	4	4	3	3	3
		160	39.0	-55.0	6	5	4	4	3	3	2	2
	EXPOSURE C	110	22.4	-31.6	11	9	7	6	6	5	5	4
		120	26.6	-37.6	9	7	6	5	5	4	4	3
		130	31.3	-44.1	8	6	5	5	4	4	3	3
		140	36.3	-51.1	6	5	4	4	3	3	3	2
		150	41.6	-58.7	6	5	4	3	3	3	2	2
		160	47.3	-66.8	5	4	3	3	2	2	2	2
	EXPOSURE D	110	27.1	-38.2	9	7	6	5	5	4	4	3
		120	32.3	-45.5	7	6	5	4	4	3	3	3
		130	37.9	-53.4	6	5	4	4	3	3	3	2
		140	43.9	-61.9	5	4	4	3	3	2	2	2
		150	50.4	-71.1	4	4	3	3	2	2	2	2
		160	57.4	-80.9	4	3	3	2	2	2	1	1
TYPE II (Enclosed)	EXPOSURE B	110	18.4	-21.9	16	13	11	10	8	8	7	6
		120	21.9	-26.1	13	11	9	8	7	6	6	5
		130	25.7	-30.6	11	9	8	7	6	5	5	4
		140	29.9	-35.5	9	8	7	6	5	4	4	4
		150	34.3	-40.7	8	7	6	5	4	4	3	3
		160	39.0	-46.3	7	6	5	4	4	3	3	3
	EXPOSURE C	110	22.4	-26.6	13	11	9	8	7	6	6	5
		120	26.6	-31.6	11	9	7	6	6	5	5	4
		130	31.3	-37.1	9	7	6	5	5	4	4	3
		140	36.3	-43.1	8	6	5	5	4	4	3	3
		150	41.6	-49.4	7	5	5	4	3	3	3	2
		160	47.3	-56.3	6	5	4	3	3	3	2	2
	EXPOSURE D	110	27.1	-32.2	10	9	7	6	6	5	4	4
		120	32.3	-38.3	9	7	6	5	5	4	4	3
		130	37.9	-45.0	7	6	5	4	4	3	3	3
		140	43.9	-52.2	6	5	4	4	3	3	3	2
		150	50.4	-59.9	5	4	4	3	3	2	2	2
		160	57.4	-68.2	5	4	3	3	2	2	2	2

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#14 (1/4"Ø) SMS with 1 1/4" Ø Fender Washers spaced in accordance with Table 216 for the selected edge beam by roof panel load width (Maximum spacing 12" O.C.)



ROOF PANEL FASTENING DETAIL #3

C3
2

ALTERNATE DETAIL FOR THE CONNECTION OF COMPOSITE ROOF PANELS TO SUPPORTING BEAMS

Chapter 4 - Glass Enclosures - Exposure D

SPACING (IN INCHES) OF #14 SMS FASTENERS THRU COMPOSITE PANELS INTO EDGE BEAMS

TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

TABLE 416

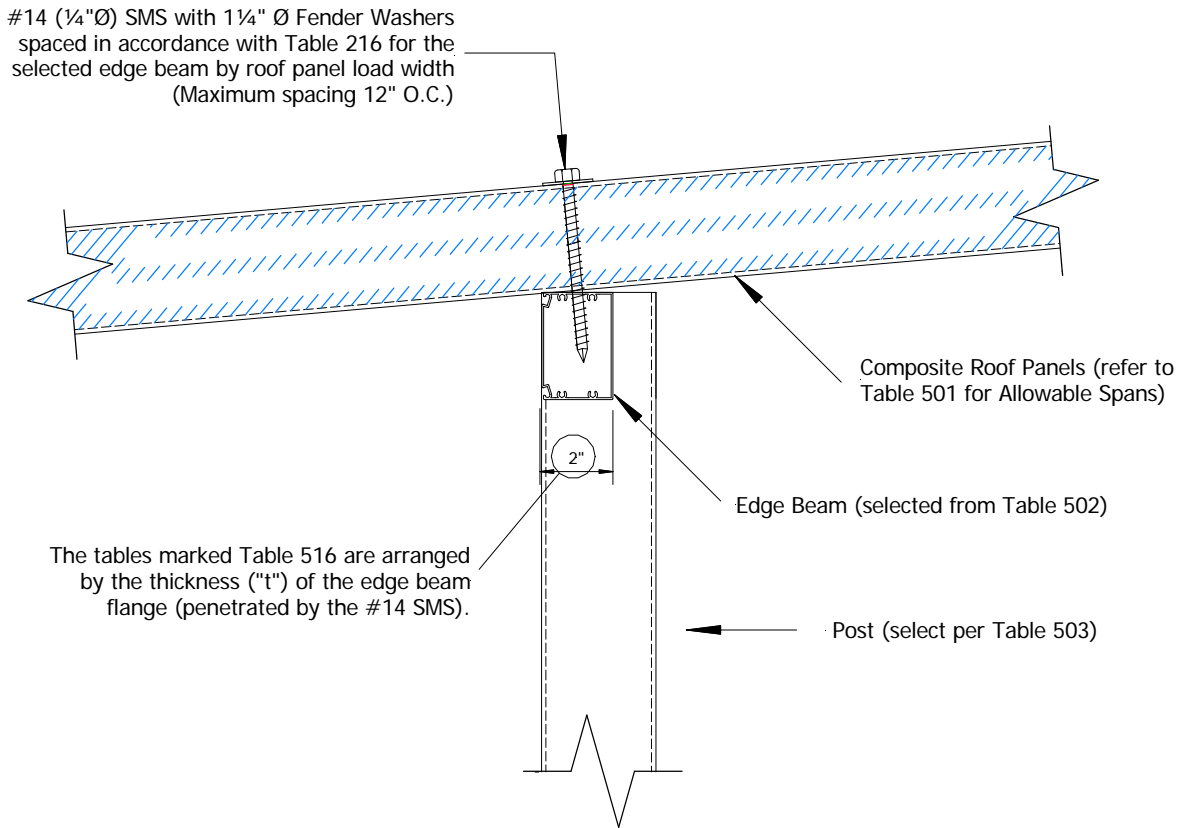
TABLE NOTE #2: this table is based upon ASCE7-10 pressures using Allowable Stress Design ("ASD")

TABLE NOTE #3: when tabular value exceeds 12, use 12

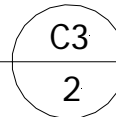
	Velocity Zones	Design Pressure qz	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET									
			5	6	7	8	9	10	11	12		
TYPE I (Partially Enclosed)	EXPOSURE B	110	18.4	-26.0	13	11	9	8	7	6	6	5
		120	21.9	-30.9	11	9	8	7	6	5	5	4
		130	25.7	-36.3	9	8	6	6	5	4	4	4
		140	29.9	-42.1	8	6	5	5	4	4	3	3
		150	34.3	-48.3	7	6	5	4	4	3	3	3
		160	39.0	-55.0	6	5	4	4	3	3	2	2
	EXPOSURE C	110	22.4	-31.6	11	9	7	6	6	5	5	4
		120	26.6	-37.6	9	7	6	5	5	4	4	3
		130	31.3	-44.1	8	6	5	5	4	4	3	3
		140	36.3	-51.1	6	5	4	4	3	3	3	2
		150	41.6	-58.7	6	5	4	3	3	3	2	2
		160	47.3	-66.8	5	4	3	3	2	2	2	2
	EXPOSURE D	110	27.1	-38.2	9	7	6	5	5	4	4	3
		120	32.3	-45.5	7	6	5	4	4	3	3	3
		130	37.9	-53.4	6	5	4	4	3	3	3	2
		140	43.9	-61.9	5	4	4	3	3	2	2	2
		150	50.4	-71.1	4	4	3	3	2	2	2	2
		160	57.4	-80.9	4	3	3	2	2	2	1	1
TYPE II (Enclosed)	EXPOSURE B	110	18.4	-21.9	16	13	11	10	8	8	7	6
		120	21.9	-26.1	13	11	9	8	7	6	6	5
		130	25.7	-30.6	11	9	8	7	6	5	5	4
		140	29.9	-35.5	9	8	7	6	5	4	4	4
		150	34.3	-40.7	8	7	6	5	4	4	3	3
		160	39.0	-46.3	7	6	5	4	4	3	3	3
	EXPOSURE C	110	22.4	-26.6	13	11	9	8	7	6	6	5
		120	26.6	-31.6	11	9	7	6	6	5	5	4
		130	31.3	-37.1	9	7	6	5	5	4	4	3
		140	36.3	-43.1	8	6	5	5	4	4	3	3
		150	41.6	-49.4	7	5	5	4	3	3	3	2
		160	47.3	-56.3	6	5	4	3	3	3	2	2
	EXPOSURE D	110	27.1	-32.2	10	9	7	6	6	5	4	4
		120	32.3	-38.3	9	7	6	5	5	4	4	3
		130	37.9	-45.0	7	6	5	4	4	3	3	3
		140	43.9	-52.2	6	5	4	4	3	3	3	2
		150	50.4	-59.9	5	4	4	3	3	2	2	2
		160	57.4	-68.2	5	4	3	3	2	2	2	2

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ROOF PANEL FASTENING DETAIL #3



ALTERNATE DETAIL FOR THE CONNECTION OF COMPOSITE ROOF PANELS TO SUPPORTING BEAMS

SPACING (IN INCHES) OF #14 SMS FASTENERS THRU COMPOSITE PANELS INTO EDGE BEAMS

TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

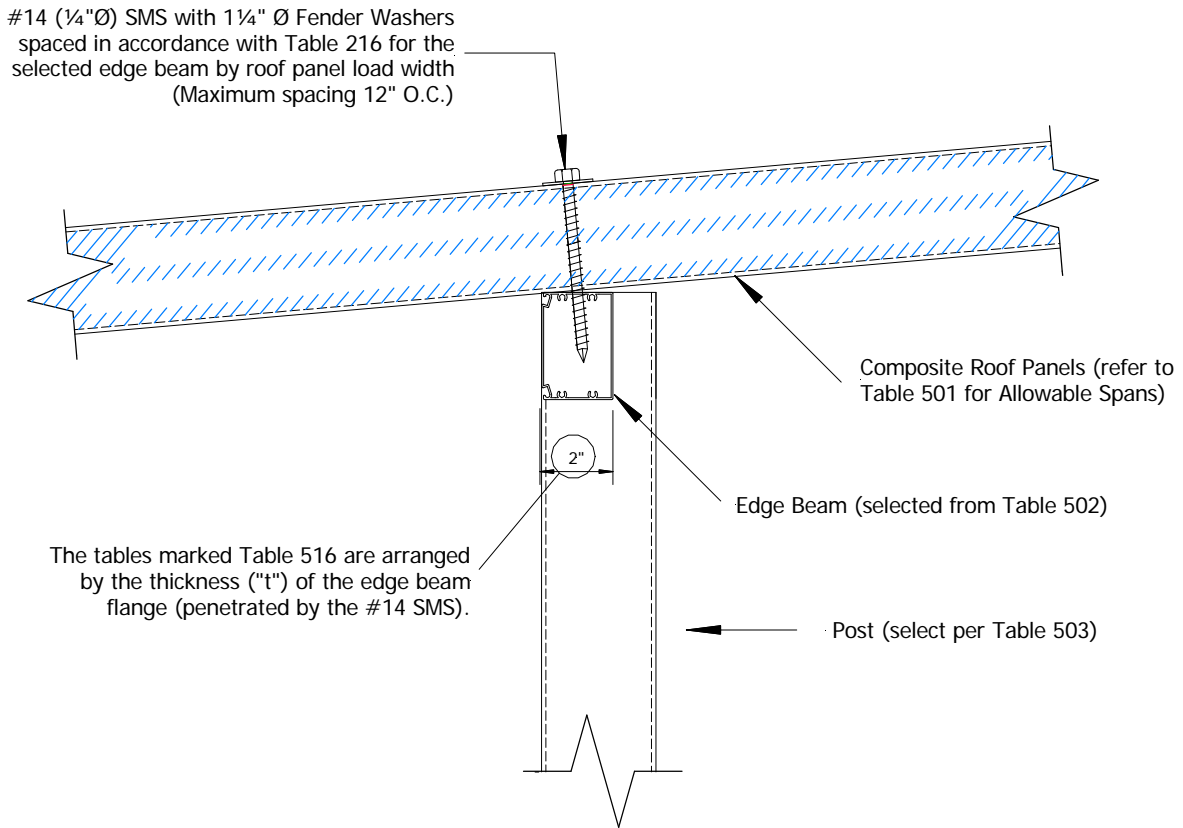
TABLE 516

TABLE NOTE #2: this table is based upon ASCE7-10 pressures using Allowable Stress Design ("ASD")

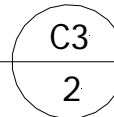
TABLE NOTE #3: when tabular value exceeds 12, use 12

	Velocity Zones	Design qz	Design Pressure	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET								
				5	6	7	8	9	10	11	12	
TYPE I (Partially Enclosed)	EXPOSURE B	110	18.4	-26.0	13	11	9	8	7	6	6	5
		120	21.9	-30.9	11	9	8	7	6	5	5	4
		130	25.7	-36.3	9	8	6	6	5	4	4	4
		140	29.9	-42.1	8	6	5	5	4	4	3	3
		150	34.3	-48.3	7	6	5	4	4	3	3	3
		160	39.0	-55.0	6	5	4	4	3	3	2	2
	EXPOSURE C	110	22.4	-31.6	11	9	7	6	6	5	5	4
		120	26.6	-37.6	9	7	6	5	5	4	4	3
		130	31.3	-44.1	8	6	5	5	4	4	3	3
		140	36.3	-51.1	6	5	4	4	3	3	3	2
		150	41.6	-58.7	6	5	4	3	3	3	2	2
		160	47.3	-66.8	5	4	3	3	2	2	2	2
	EXPOSURE D	110	27.1	-38.2	9	7	6	5	5	4	4	3
		120	32.3	-45.5	7	6	5	4	4	3	3	3
		130	37.9	-53.4	6	5	4	4	3	3	3	2
		140	43.9	-61.9	5	4	4	3	3	2	2	2
		150	50.4	-71.1	4	4	3	3	2	2	2	2
		160	57.4	-80.9	4	3	3	2	2	2	1	1
TYPE II (Enclosed)	EXPOSURE B	110	18.4	-21.9	16	13	11	10	8	8	7	6
		120	21.9	-26.1	13	11	9	8	7	6	6	5
		130	25.7	-30.6	11	9	8	7	6	5	5	4
		140	29.9	-35.5	9	8	7	6	5	4	4	4
		150	34.3	-40.7	8	7	6	5	4	4	3	3
		160	39.0	-46.3	7	6	5	4	4	3	3	3
	EXPOSURE C	110	22.4	-26.6	13	11	9	8	7	6	6	5
		120	26.6	-31.6	11	9	7	6	6	5	5	4
		130	31.3	-37.1	9	7	6	5	5	4	4	3
		140	36.3	-43.1	8	6	5	5	4	4	3	3
		150	41.6	-49.4	7	5	5	4	3	3	3	2
		160	47.3	-56.3	6	5	4	3	3	3	2	2
	EXPOSURE D	110	27.1	-32.2	10	9	7	6	6	5	4	4
		120	32.3	-38.3	9	7	6	5	5	4	4	3
		130	37.9	-45.0	7	6	5	4	4	3	3	3
		140	43.9	-52.2	6	5	4	4	3	3	3	2
		150	50.4	-59.9	5	4	4	3	3	2	2	2
		160	57.4	-68.2	5	4	3	3	2	2	2	2

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ROOF PANEL FASTENING DETAIL #3



ALTERNATE DETAIL FOR THE CONNECTION OF
COMPOSITE ROOF PANELS TO SUPPORTING BEAMS

SPACING (IN INCHES) OF #14 SMS FASTENERS THRU COMPOSITE PANELS INTO EDGE BEAMS

TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

TABLE 516

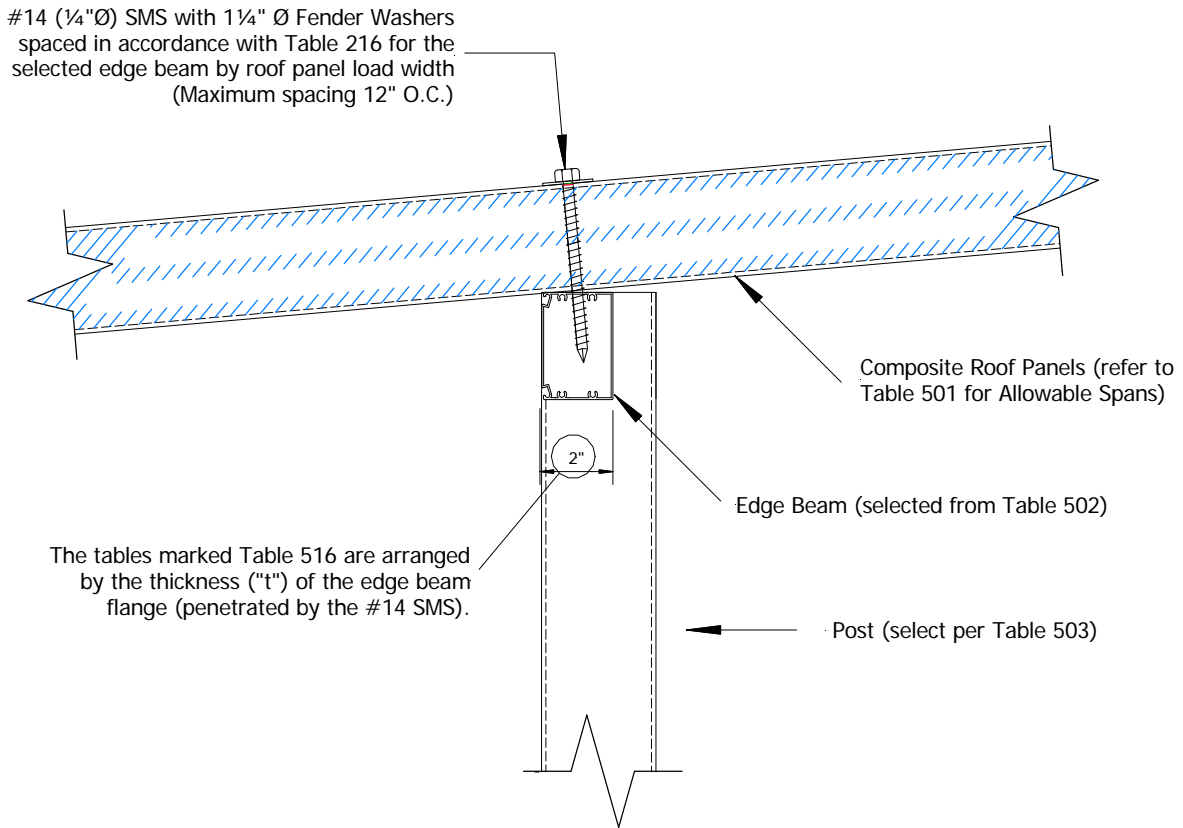
TABLE NOTE #2: this table is based upon ASCE7-10 pressures using Allowable Stress Design ("ASD")

TABLE NOTE #3: when tabular value exceeds 12, use 12

	Velocity Zones	Design Pressure qz	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET									
			5	6	7	8	9	10	11	12		
TYPE I (Partially Enclosed)	EXPOSURE B	110	18.4	-26.0	13	11	9	8	7	6	6	5
		120	21.9	-30.9	11	9	8	7	6	5	5	4
		130	25.7	-36.3	9	8	6	6	5	4	4	4
		140	29.9	-42.1	8	6	5	5	4	4	3	3
		150	34.3	-48.3	7	6	5	4	4	3	3	3
		160	39.0	-55.0	6	5	4	4	3	3	2	2
	EXPOSURE C	110	22.4	-31.6	11	9	7	6	6	5	5	4
		120	26.6	-37.6	9	7	6	5	5	4	4	3
		130	31.3	-44.1	8	6	5	5	4	4	3	3
		140	36.3	-51.1	6	5	4	4	3	3	3	2
		150	41.6	-58.7	6	5	4	3	3	3	2	2
		160	47.3	-66.8	5	4	3	3	2	2	2	2
	EXPOSURE D	110	27.1	-38.2	9	7	6	5	5	4	4	3
		120	32.3	-45.5	7	6	5	4	4	3	3	3
		130	37.9	-53.4	6	5	4	4	3	3	3	2
		140	43.9	-61.9	5	4	4	3	3	2	2	2
		150	50.4	-71.1	4	4	3	3	2	2	2	2
		160	57.4	-80.9	4	3	3	2	2	2	1	1
TYPE II (Enclosed)	EXPOSURE B	110	18.4	-21.9	16	13	11	10	8	8	7	6
		120	21.9	-26.1	13	11	9	8	7	6	6	5
		130	25.7	-30.6	11	9	8	7	6	5	5	4
		140	29.9	-35.5	9	8	7	6	5	4	4	4
		150	34.3	-40.7	8	7	6	5	4	4	3	3
		160	39.0	-46.3	7	6	5	4	4	3	3	3
	EXPOSURE C	110	22.4	-26.6	13	11	9	8	7	6	6	5
		120	26.6	-31.6	11	9	7	6	6	5	5	4
		130	31.3	-37.1	9	7	6	5	5	4	4	3
		140	36.3	-43.1	8	6	5	5	4	4	3	3
		150	41.6	-49.4	7	5	5	4	3	3	3	2
		160	47.3	-56.3	6	5	4	3	3	3	2	2
	EXPOSURE D	110	27.1	-32.2	10	9	7	6	6	5	4	4
		120	32.3	-38.3	9	7	6	5	5	4	4	3
		130	37.9	-45.0	7	6	5	4	4	3	3	3
		140	43.9	-52.2	6	5	4	4	3	3	3	2
		150	50.4	-59.9	5	4	4	3	3	2	2	2
		160	57.4	-68.2	5	4	3	3	2	2	2	2

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ROOF PANEL FASTENING DETAIL #3

C3
2

ALTERNATE DETAIL FOR THE CONNECTION OF
COMPOSITE ROOF PANELS TO SUPPORTING BEAMS

Chapter 5 - Carports & Patio Covers / Attached- Exposure D

SPACING (IN INCHES) OF #14 SMS FASTENERS THRU COMPOSITE PANELS INTO EDGE BEAMS

TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

TABLE 516

TABLE NOTE #2: this table is based upon ASCE7-10 pressures using Allowable Stress Design ("ASD")

TABLE NOTE #3: when tabular value exceeds 12, use 12

	Velocity Zones	Design qz	Design Pressure	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET								
				5	6	7	8	9	10	11	12	
				TYPE I (Partially Enclosed)								
TYPE I (Partially Enclosed)	EXPOSURE B	110	18.4	-26.0	13	11	9	8	7	6	6	5
		120	21.9	-30.9	11	9	8	7	6	5	5	4
		130	25.7	-36.3	9	8	6	6	5	4	4	4
		140	29.9	-42.1	8	6	5	5	4	4	3	3
		150	34.3	-48.3	7	6	5	4	4	3	3	3
		160	39.0	-55.0	6	5	4	4	3	3	2	2
	EXPOSURE C	110	22.4	-31.6	11	9	7	6	6	5	5	4
		120	26.6	-37.6	9	7	6	5	5	4	4	3
		130	31.3	-44.1	8	6	5	5	4	4	3	3
		140	36.3	-51.1	6	5	4	4	3	3	3	2
		150	41.6	-58.7	6	5	4	3	3	3	2	2
		160	47.3	-66.8	5	4	3	3	2	2	2	2
	EXPOSURE D	110	27.1	-38.2	9	7	6	5	5	4	4	3
		120	32.3	-45.5	7	6	5	4	4	3	3	3
		130	37.9	-53.4	6	5	4	4	3	3	3	2
		140	43.9	-61.9	5	4	4	3	3	2	2	2
		150	50.4	-71.1	4	4	3	3	2	2	2	2
		160	57.4	-80.9	4	3	3	2	2	2	1	1
TYPE II (Enclosed)												
TYPE II (Enclosed)	EXPOSURE B	110	18.4	-21.9	16	13	11	10	8	8	7	6
		120	21.9	-26.1	13	11	9	8	7	6	6	5
		130	25.7	-30.6	11	9	8	7	6	5	5	4
		140	29.9	-35.5	9	8	7	6	5	4	4	4
		150	34.3	-40.7	8	7	6	5	4	4	3	3
		160	39.0	-46.3	7	6	5	4	4	3	3	3
	EXPOSURE C	110	22.4	-26.6	13	11	9	8	7	6	6	5
		120	26.6	-31.6	11	9	7	6	6	5	5	4
		130	31.3	-37.1	9	7	6	5	5	4	4	3
		140	36.3	-43.1	8	6	5	5	4	4	3	3
		150	41.6	-49.4	7	5	5	4	3	3	3	2
		160	47.3	-56.3	6	5	4	3	3	3	2	2
	EXPOSURE D	110	27.1	-32.2	10	9	7	6	6	5	4	4
		120	32.3	-38.3	9	7	6	5	5	4	4	3
		130	37.9	-45.0	7	6	5	4	4	3	3	3
		140	43.9	-52.2	6	5	4	4	3	3	3	2
		150	50.4	-59.9	5	4	4	3	3	2	2	2
		160	57.4	-68.2	5	4	3	3	2	2	2	2

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