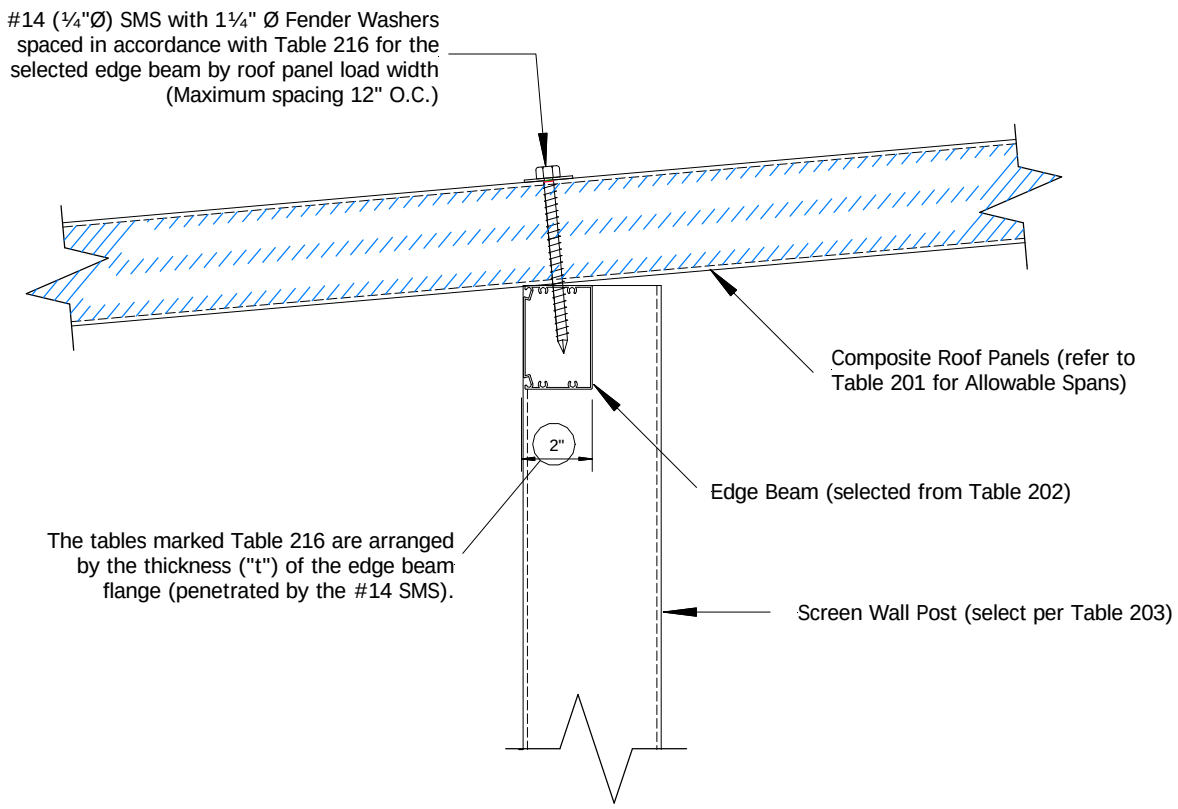


ROOF PANEL FASTENING DETAIL #3 C3/2

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

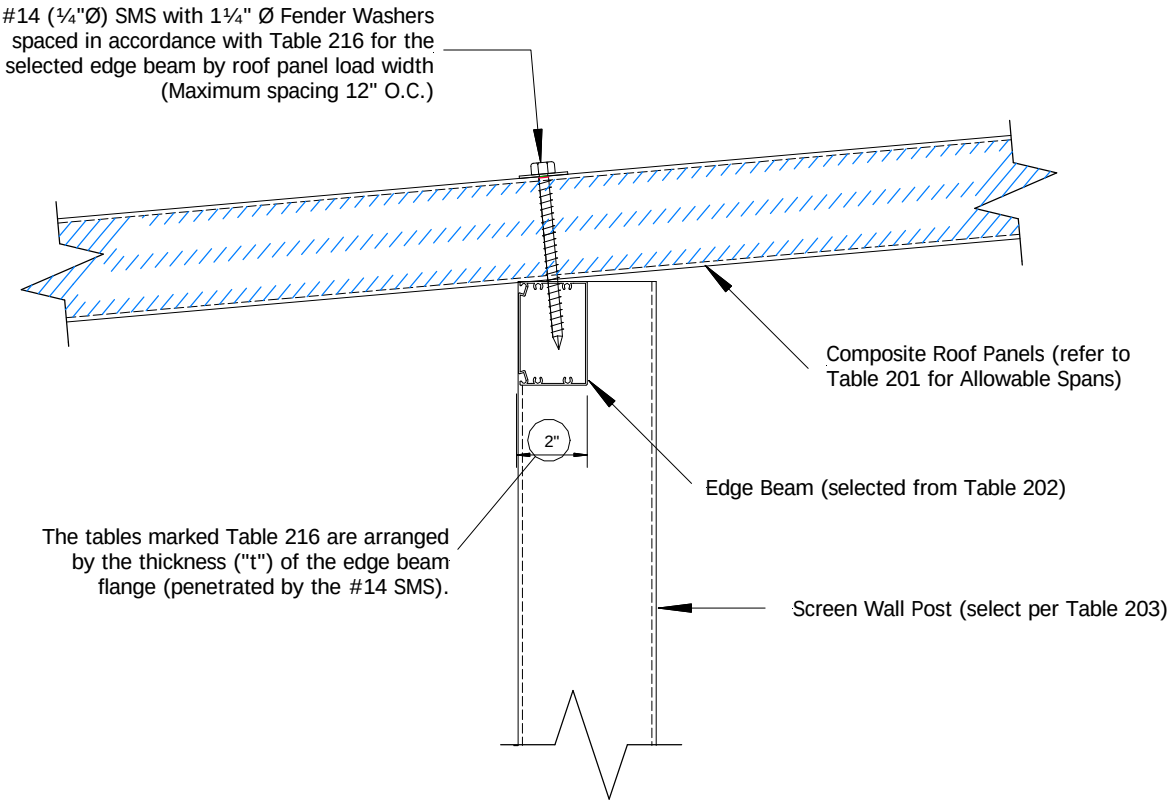
TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

TABLE 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		Design	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET							
		Zones	qz	Pressure	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



ROOF PANEL FASTENING DETAIL #3 C3/2

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

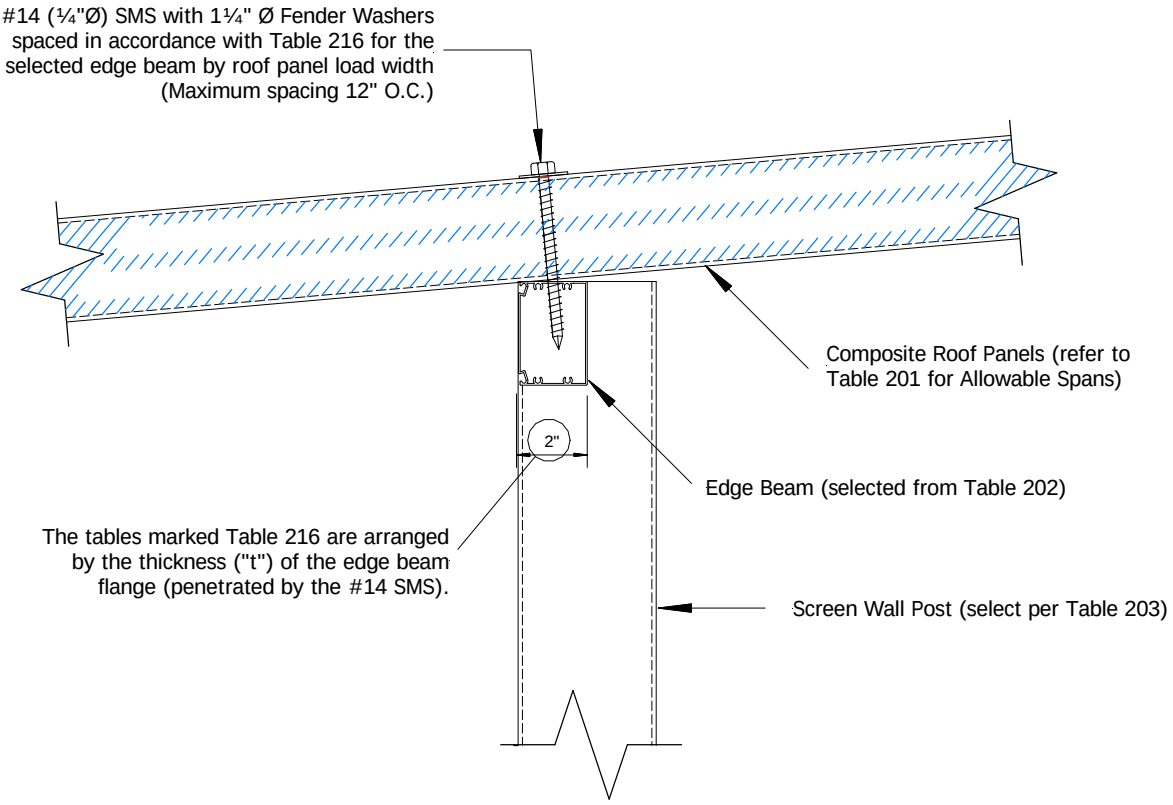
TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

TABLE 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		Design	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET							
		Zones	qz	Pressure	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



ROOF PANEL FASTENING DETAIL #3 C3/2

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

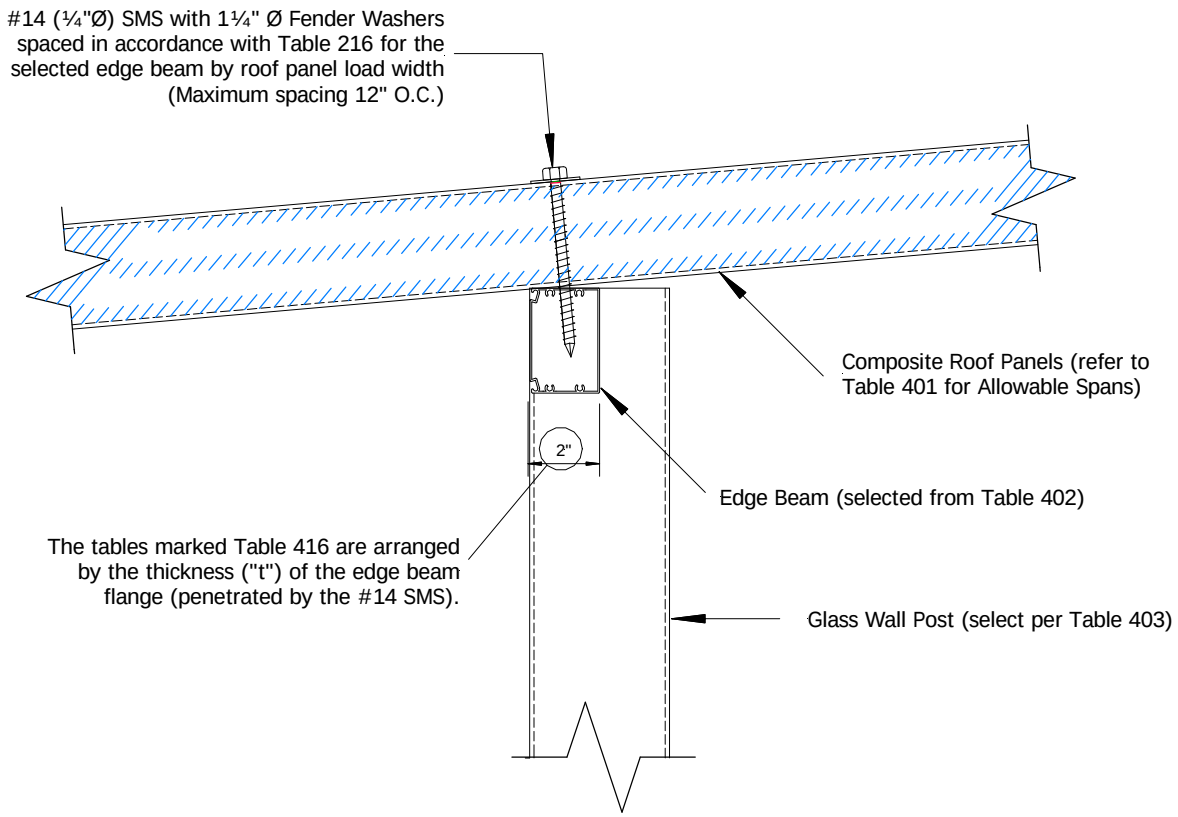
TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

TABLE 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		Design	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET							
		Zones	qz	Pressure	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



ROOF PANEL FASTENING DETAIL #3 C3/2

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

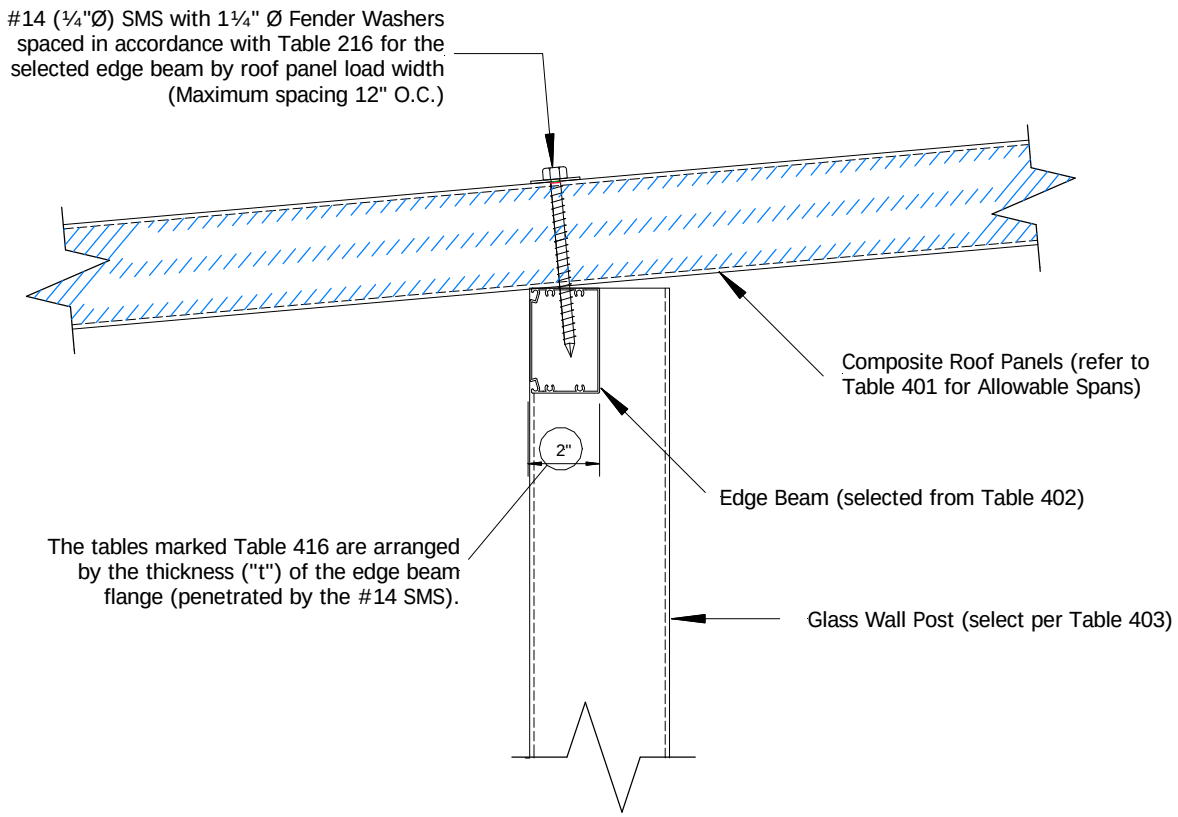
TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

TABLE 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		Design	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET							
		Zones	qz	Pressure	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



ROOF PANEL FASTENING DETAIL #3 C3/2

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

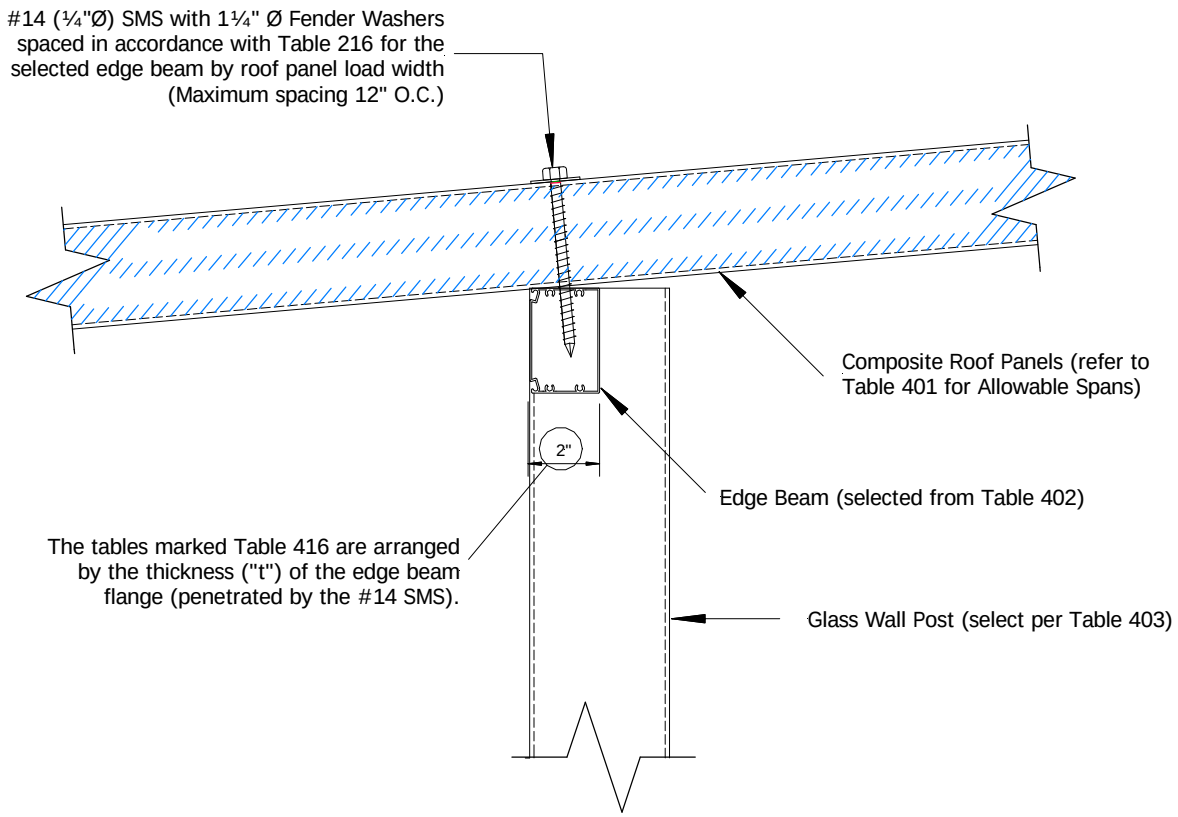
TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

TABLE 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		Design	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET							
		Zones	qz	Pressure	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



ROOF PANEL FASTENING DETAIL #3 C3/2

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

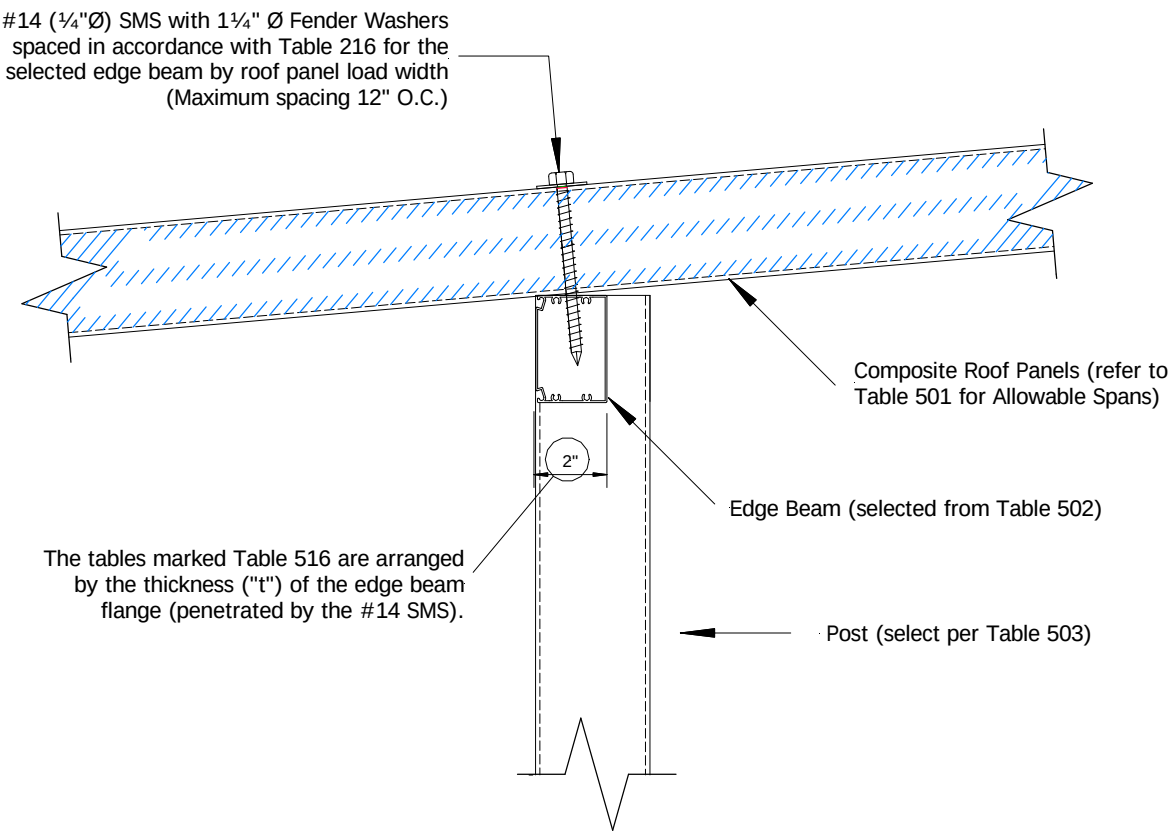
TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

TABLE 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		Design	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET							
		Zones	qz	Pressure	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



ROOF PANEL FASTENING DETAIL #3 C3/2

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

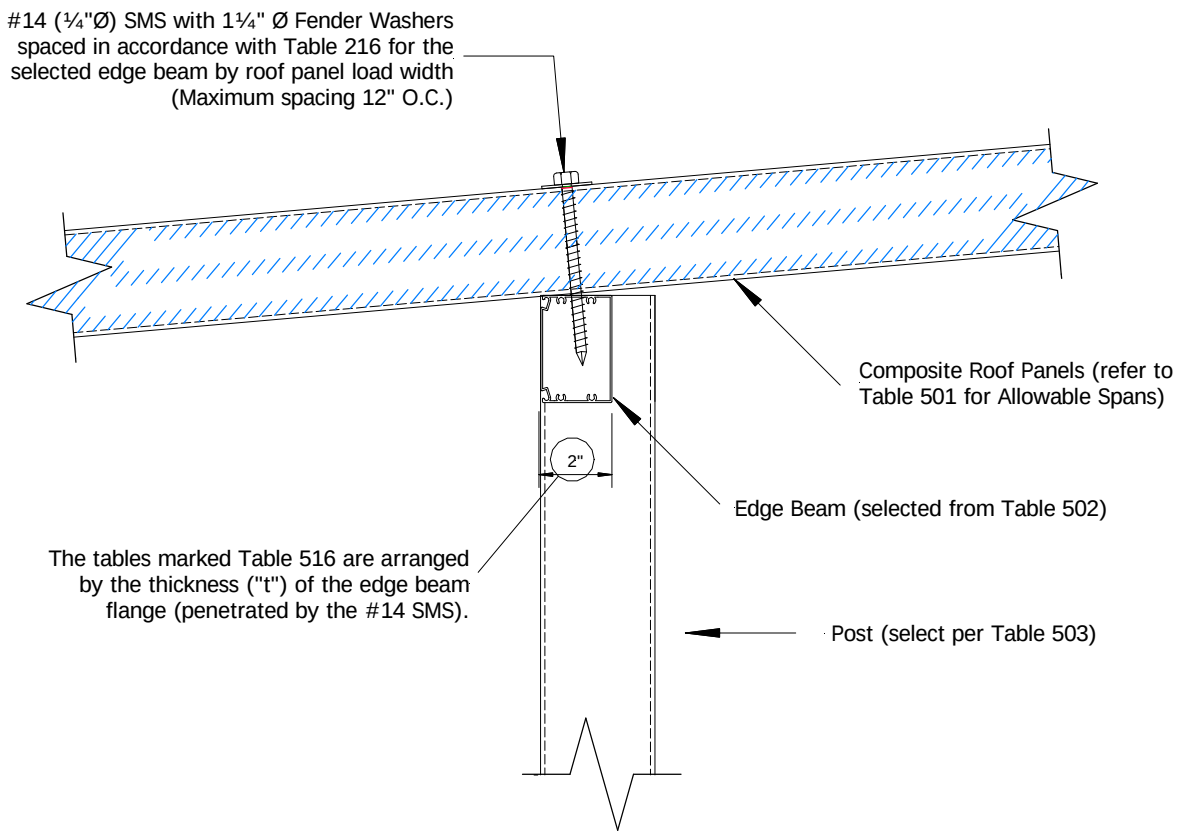
SPACING (IN INCHES) OF #14 SMS FASTENERS THRU COMPOSITE PANELS INTO EDGE BEAMS

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		Design	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET							
		Zones	qz	Pressure	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



ROOF PANEL FASTENING DETAIL #3 C3/2

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

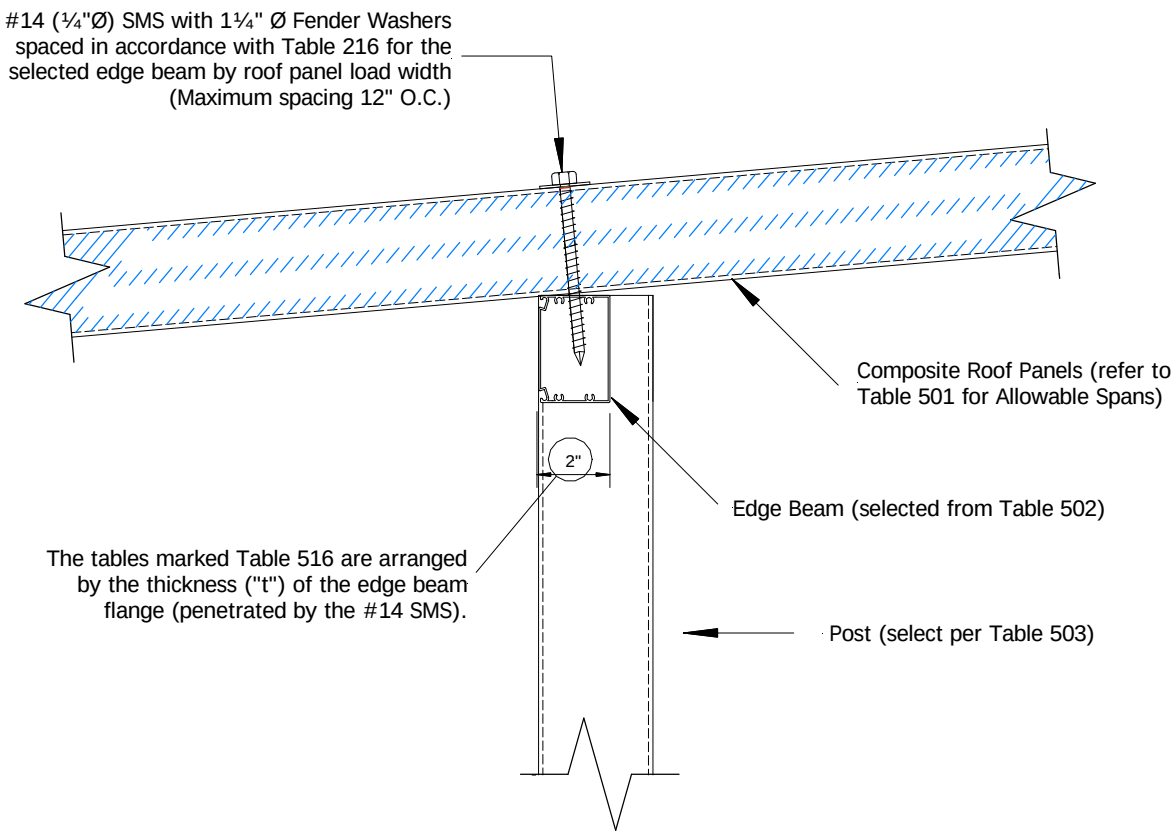
TABLE NOTE #1: this table assumes an edge beam wall thickness of at least 0.050"

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		Design	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET							
		Zones	qz	Pressure	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



ROOF PANEL FASTENING DETAIL #3 C3/2

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		Design	ROOF LOADS WIDTHS (PER EDGE BEAM TABLES) IN FEET							
		Zones	qz	Pressure	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