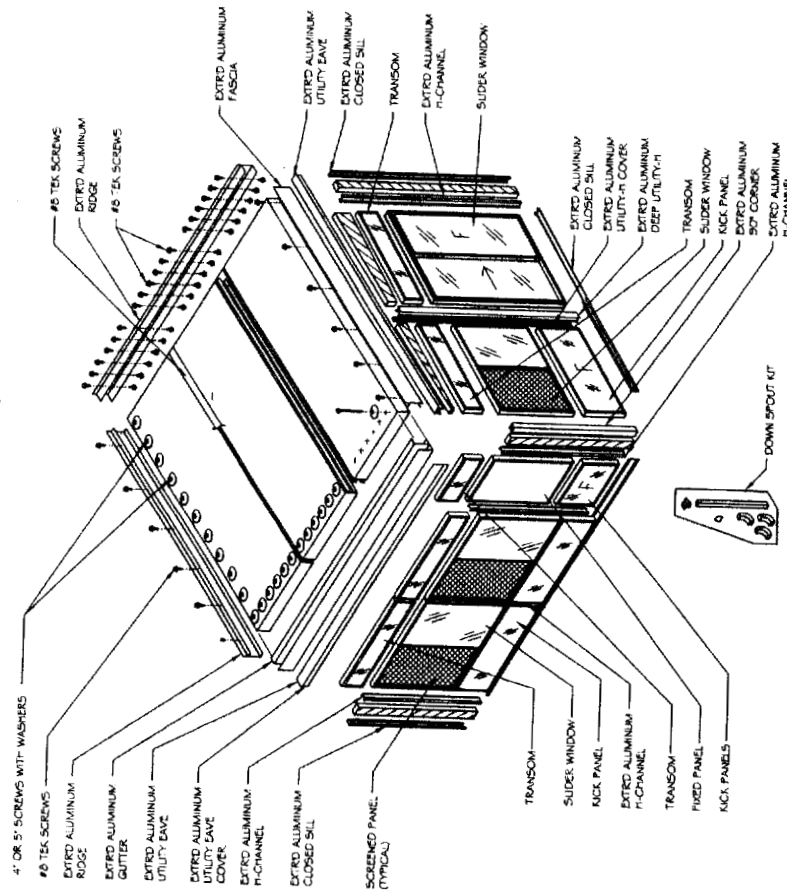
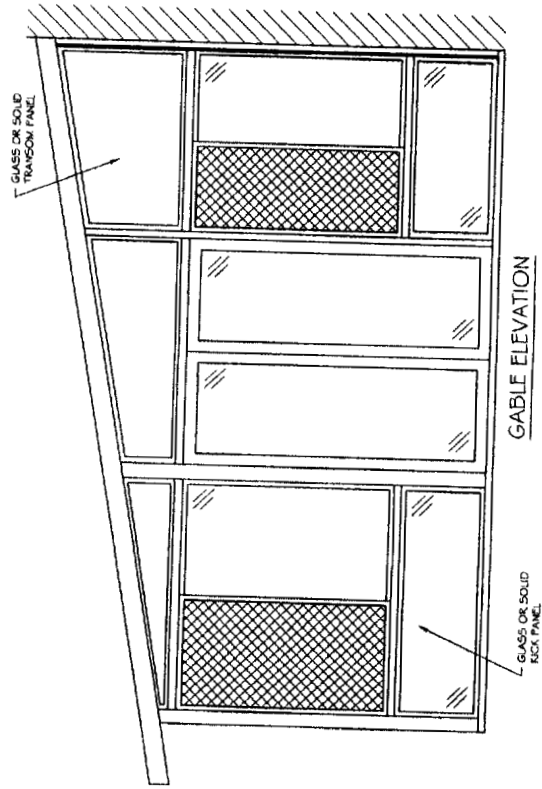
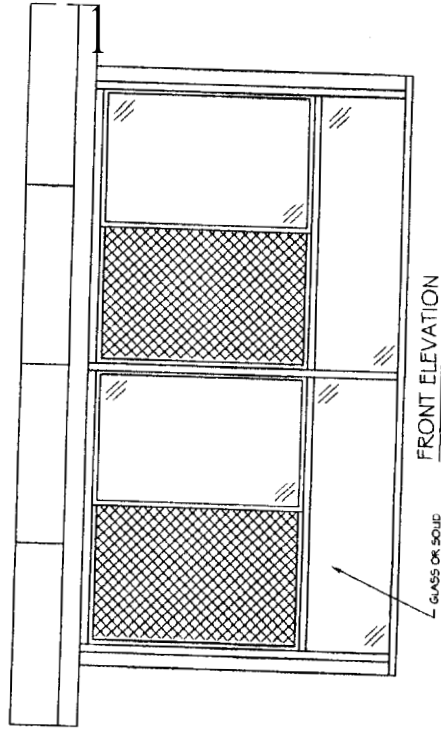




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DRAWING NAV			230 SUN STR EV

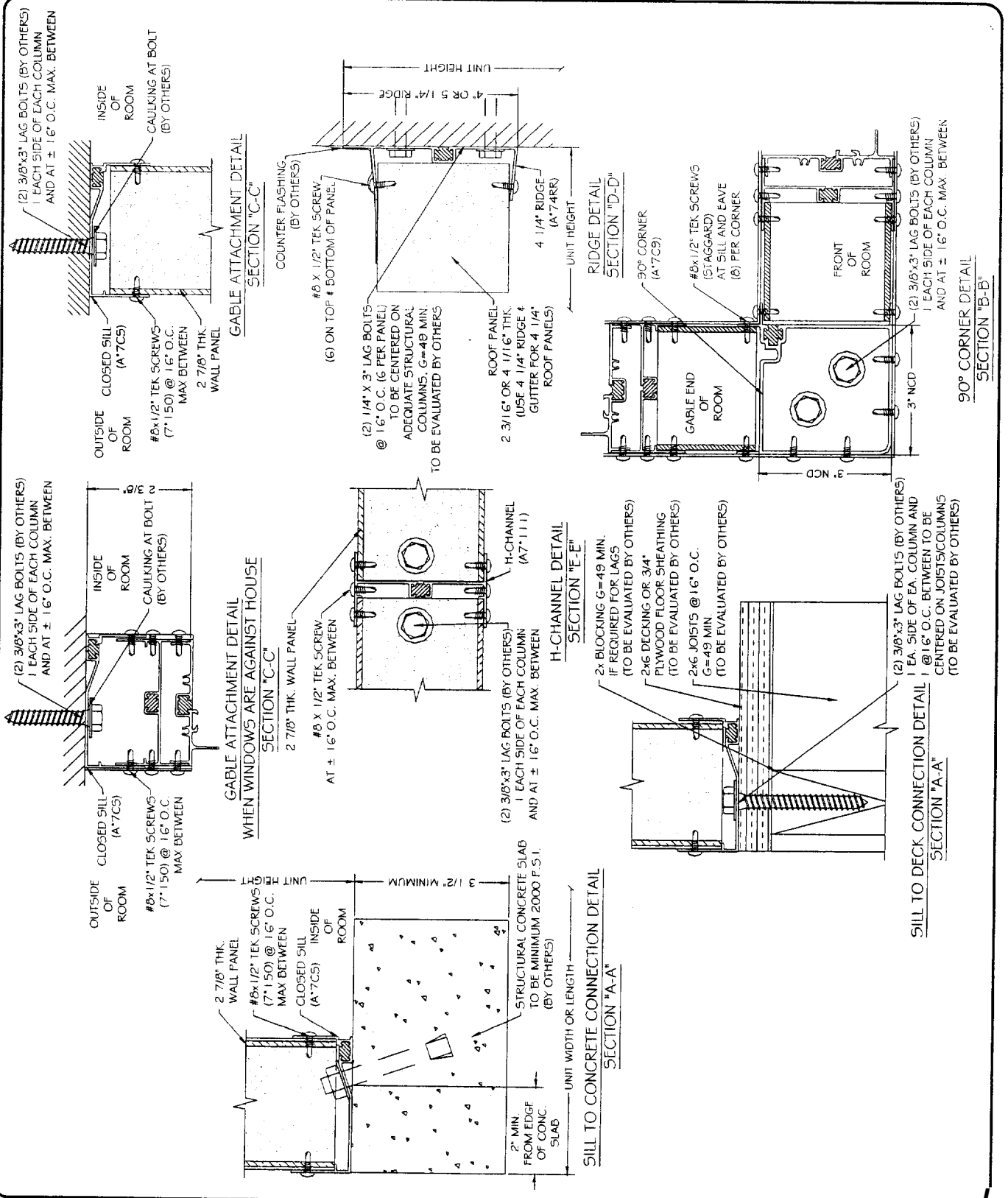


New Deck

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05-14-02	TW
06-20-02	TW

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 5005 VETERANS MEMORIAL HIGHWAY
 HOLBROOK, NEW YORK 11741
 DESIGNERS AND MANUFACTURER OF FOUR SEASONS SUNROOMS

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SCALE: NTS
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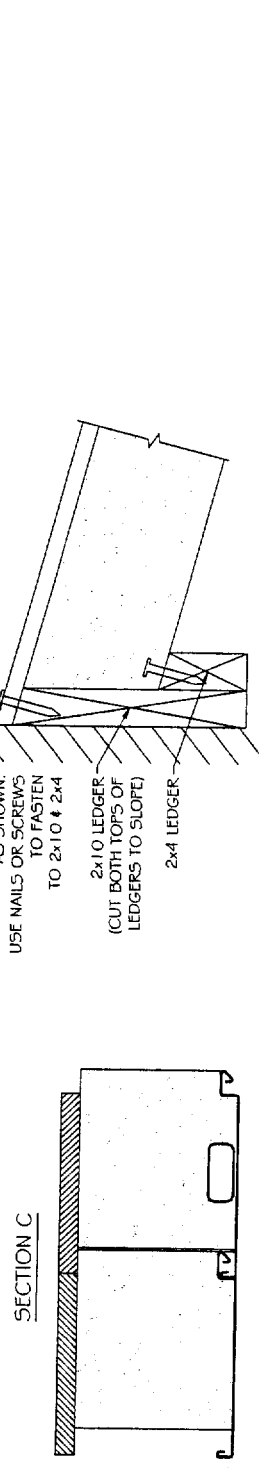
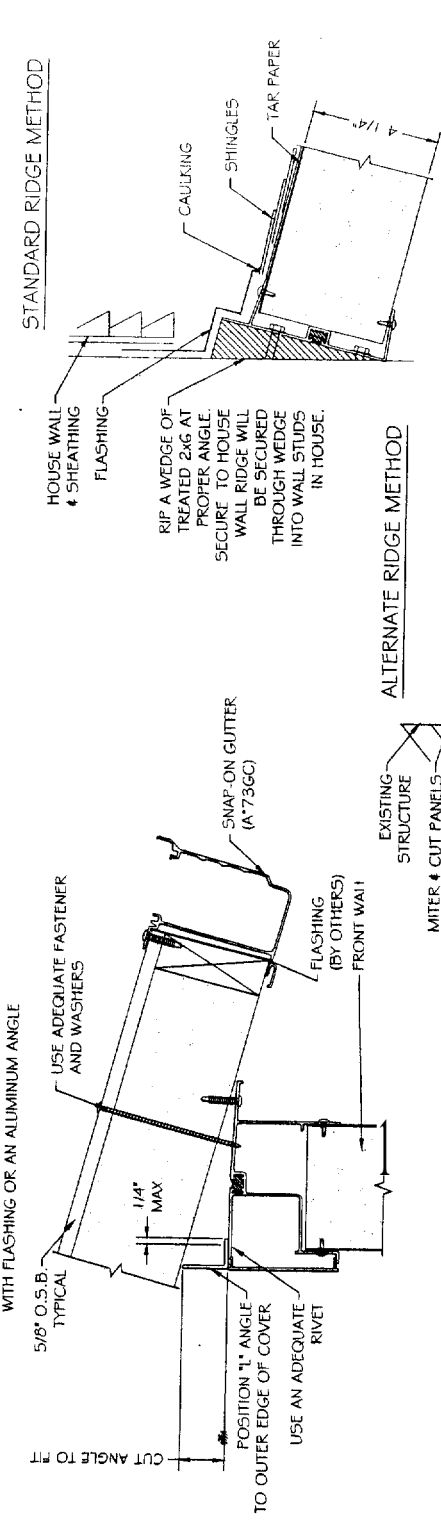
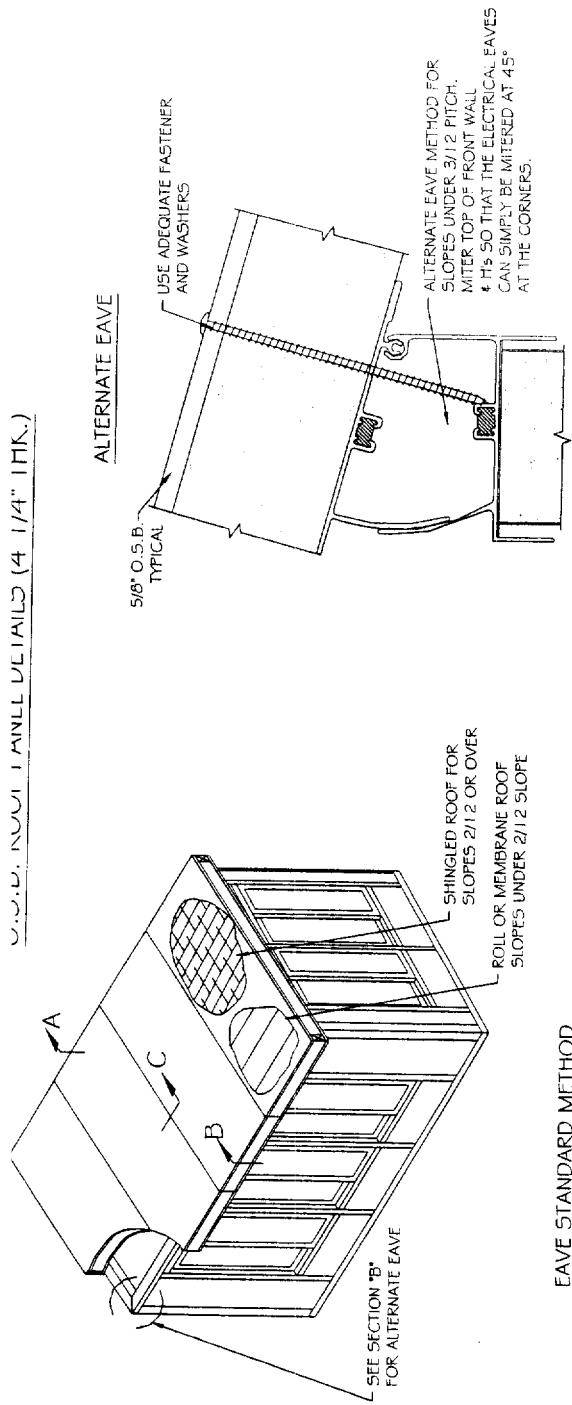


WOOD PANEL DETAILS (4 1/4" THK.)

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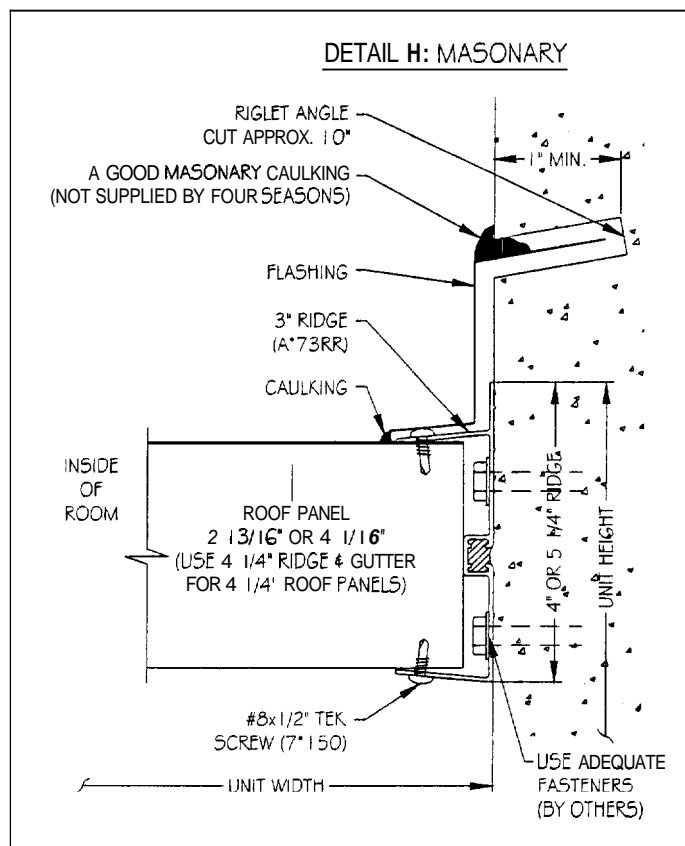
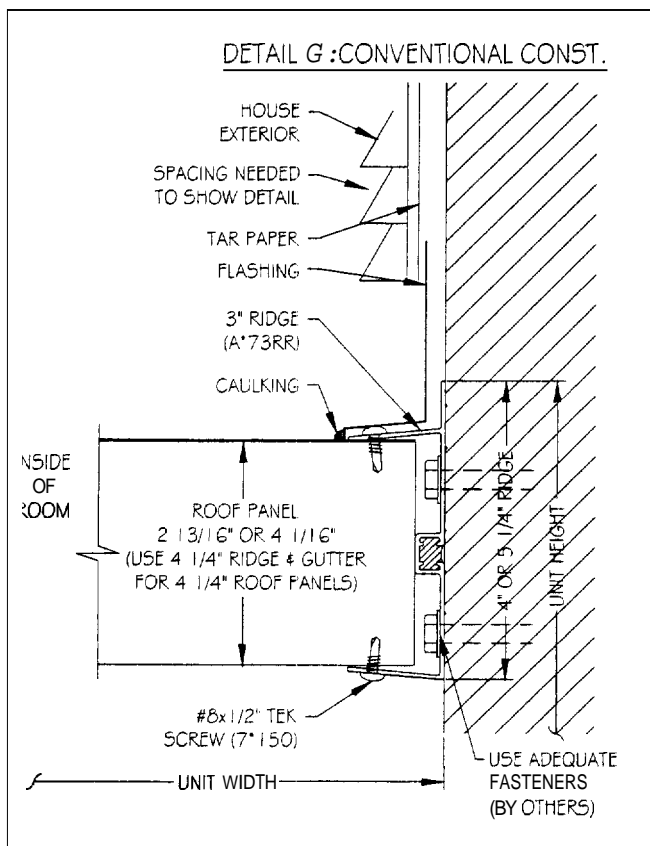
STEP 3: RIDGE FLASHING

NOTE

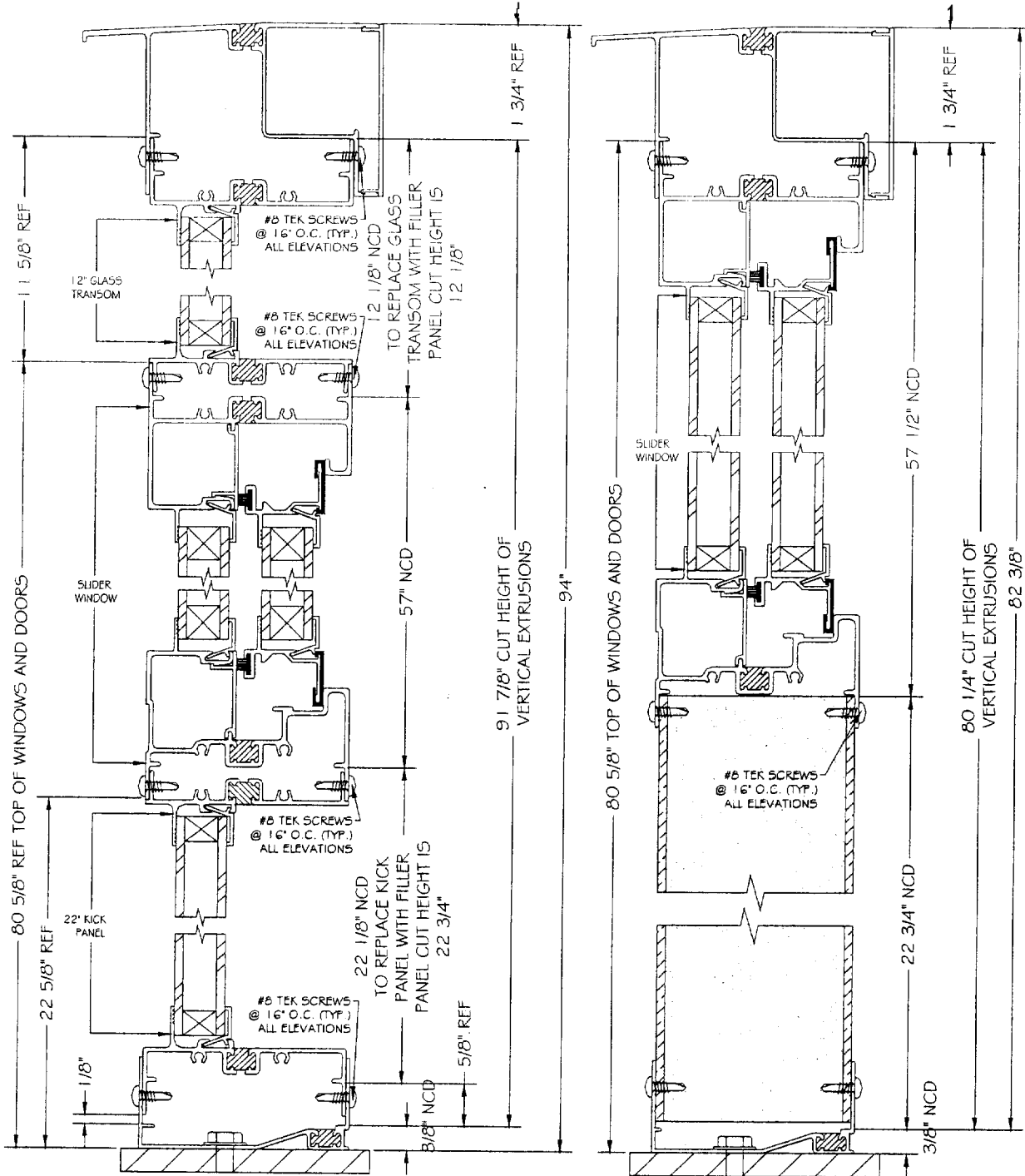
There is **no** prefabricated ridge flashing provided with the Series 230 Sun & Shade Straight Eave Room. All flashing discussed in this section must be fabricated on site by the installer utilizing an aluminum break and coil stock.

Special attention must be given to the ridge flashing on all units. The actual flashing you bend on site will differ in shape or style from unit to unit, but the purpose is the same. Keep water on the outside. Follow some general rules and the results will be effective.

The ridge flashing must always end up under the tar paper whether you are installing the ridge on a house fascia or against a vertical wall. (See **Detail G-G** below). The only exception to this will be when installing the ridge against a masonry wall where a riglet is cut into the masonry along the length of the ridge. (See **Detail H-H** below). A minimum cut depth of 1" is recommended using a diamond blade. The wall must next be cleaned to remove the cement dust caused by the cut. The ridge flashing is then inserted into the riglet cut and sealed. The sealant should be tooled to assure a good seal. **A masonry sealant must be used** (supplied by others) and we strongly suggest following the manufacturer's instructions in regard to its application.



FRONT WALL SECTIONS GABLE-END WALLS
SIMILAR WALLS



SECTION "J-J" 22" GLASS KICKPANEL-WINDOW
GLASS TRANSOM

SECTION "K-K" SOLID KICK PANEL-WINDOW
NO TRANSOM

NOTE

1 *** INDICATES EXTRUSION COMES IN SANDTONE BRONZE OR WHITE SUBSTITUTE THE *** WITH "B" FOR BRONZE, "W" FOR WHITE AND "A" FOR SANDTONE

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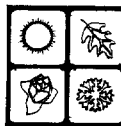
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DATE: 05-02-02

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FOUR SEASONS SOLAR PRODUCTS, LLC.

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HOLBROOK, NEW YORK 11741
DESIGNERS AND MANUFACTURER OF FOUR SEASONS SUNROOMS

REVISION BY

REVISION	BY



230 SUN & SHADE ROOM: STRAIGHT EAVE ROOF PANELS WITH H-BEAMS ENGINEERING & STRUCTURAL LOADING INFORMATION

5005 VETERANS MEMORIAL HWY.
HOLBROOK N.Y. 11741

EFFECTIVE DATE: 6-02 LD

UNIT SPAN	ROOF LIVE LOAD MMRNEDBY	MAXIMUM ROOF LIVE LOAD (psf)	7 FOOT EAVE HEIGHT									8 FOOT EAVE HEIGHT									9 FOOT EAVE HEIGHT								
			MAXIMUM FRONT WALL WINDOW SIZE									MAXIMUM FRONT WALL WINDOW SIZE									MAXIMUM FRONT WALL WINDOW SIZE								
			4' WINDOW			5' WINDOW			6' WINDOW			4' WINDOW			5' WINDOW			6' WINDOW			4' WINDOW			5' WINDOW			6' WINDOW		
			WIND SPEED	EXPOSURE	WIND SPEED	EXPOSURE	WIND SPEED	EXPOSURE	WIND SPEED	EXPOSURE	WIND SPEED	EXPOSURE	WIND SPEED	EXPOSURE	WIND SPEED	EXPOSURE	WIND SPEED	EXPOSURE	WIND SPEED	EXPOSURE	WIND SPEED	EXPOSURE	WIND SPEED	EXPOSURE	WIND SPEED	EXPOSURE			
B	C	D	B	C	D	B	C	D	B	C	D	B	C	D	B	C	D	B	C	D	B	C	D	B	C	D			
7 (ft)	3" ALUMINUM WH-BEAM	90	170	130	115	160	125	110	145	110	100	140	105	95	130	100	90	125	95	85	115	90	80	115	90	80	100	80	70
	4" ALUMINUM WH-BEAM	129	170	130	115	160	125	110	145	110	100	140	105	95	130	100	90	125	95	85	115	90	80	115	90	80	100	80	70
	4" OSB/ALUM WH-BEAM	200	170	130	115	160	125	110	145	110	100	140	105	95	130	100	90	125	95	85	115	90	80	115	90	80	100	80	70
8 (ft)	3" ALUMINUM WH-BEAM	67	160	125	110	160	125	110	145	110	100	130	100	90	130	100	90	125	95	85	115	90	80	110	85	75	100	80	70
	4" ALUMINUM WH-BEAM	97	160	125	110	160	125	110	145	110	100	130	100	90	130	100	90	125	95	85	115	90	80	110	85	75	100	80	70
	4" OSB/ALUM WH-BEAM	157	160	125	110	160	125	110	145	110	100	130	100	90	130	100	90	125	95	85	115	90	80	110	85	75	100	80	70
9 (ft)	3" ALUMINUM WH-BEAM	52	160	125	110	160	125	110	145	110	100	130	100	90	130	100	90	125	95	85	115	90	80	110	85	75	100	80	70
	4" ALUMINUM WH-BEAM	75	160	125	110	160	125	110	145	110	100	130	100	90	130	100	90	125	95	85	115	90	80	110	85	75	100	80	70
	4" OSB/ALUM WH-BEAM	122	160	125	110	160	125	110	145	110	100	130	100	90	130	100	90	125	95	85	115	90	80	110	85	75	100	80	70
10 (ft)	3" ALUMINUM WH-BEAM	41	155	120	105	155	120	105	145	110	100	125	95	85	125	95	85	125	95	85	110	85	75	110	85	75	100	80	70
	4" ALUMINUM WH-BEAM	60	155	120	105	155	120	105	145	110	100	125	95	85	125	95	85	125	95	85	110	85	75	110	85	75	100	80	70
	4" OSB/ALUM WH-BEAM	97	155	120	105	155	120	105	145	110	100	125	95	85	125	95	85	125	95	85	110	85	75	110	85	75	100	80	70
11 (ft)	3" ALUMINUM WH-BEAM	33	145	110	100	145	110	100	145	110	100	115	90	80	115	90	80	115	90	80	100	80	70	100	80	70	100	80	70
	4" ALUMINUM WH-BEAM	46	145	110	100	145	110	100	145	110	100	115	90	80	115	90	80	115	90	80	100	80	70	100	80	70	100	80	70
	4" OSB/ALUM WH-BEAM	79	145	110	100	145	110	100	145	110	100	115	90	80	115	90	80	115	90	80	100	80	70	100	80	70	100	80	70
12 (ft)	3" ALUMINUM WH-BEAM	28	140	105	95	140	105	95	140	105	95	110	85	75	110	85	75	110	85	75	95	70	65	95	70	65	95	70	65
	4" ALUMINUM WH-BEAM	40	140	105	95	140	105	95	140	105	95	110	85	75	110	85	75	110	85	75	95	70	65	95	70	65	95	70	65
	4" OSB/ALUM WH-BEAM	66	140	105	95	140	105	95	140	105	95	110	85	75	110	85	75	110	85	75	95	70	65	95	70	65	95	70	65
13 (ft)	3" ALUMINUM WH-BEAM	23	130	100	90	130	100	90	130	100	90	100	80	70	100	80	70	100	80	70	95	70	65	95	70	65	95	70	65
	4" ALUMINUM WH-BEAM	34	130	100	90	130	100	90	130	100	90	100	80	70	100	80	70	100	80	70	95	70	65	95	70	65	95	70	65
	4" OSB/ALUM WH-BEAM	55	130	100	90	130	100	90	130	100	90	100	80	70	100	80	70	100	80	70	95	70	65	95	70	65	95	70	65
14 (ft)	3" ALUMINUM WH-BEAM	20	140	105	95	140	105	95	140	105	95	115	90	80	115	90	80	115	90	80	100	80	70	100	80	70	100	80	70
	4" ALUMINUM WH-BEAM	29	140	105	95	140	105	95	140	105	95	115	90	80	115	90	80	115	90	80	100	80	70	100	80	70	100	80	70
	4" OSB/ALUM WH-BEAM	47	140	105	95	140	105	95	140	105	95	115	90	80	115	90	80	115	90	80	100	80	70	100	80	70	100	80	70
15 (ft)	3" ALUMINUM WH-BEAM	17	125	95	85	125	95	85	125	95	85	115	90	80	115	90	80	115	90	80	100	80	70	100	80	70	100	80	70
	4" ALUMINUM WH-BEAM	25	140	105	95	140	105	95	140	105	95	115	90	80	115	90	80	115	90	80	100	80	70	100	80	70	100	80	70
	4" OSB/ALUM WH-BEAM	40	140	105	95	140	105	95	140	105	95	115	90	80	115	90	80	115	90	80	100	80	70	100	80	70	100	80	70
16 (ft)	3" ALUMINUM WH-BEAM	15	115	90	80	115	90	80	115	90	80	110	85	75	110	85	75	110	85	75	95	70	65	95	70	65	95	70	65
	4" ALUMINUM WH-BEAM	21	125	95	85	125	95	85	125	95	85	110	85	75	110	85	75	110	85	75	95	70	65	95	70	65	95	70	65
	4" OSB/ALUM WH-BEAM	33	125	95	85	125	95	85	125	95	85	110	85	75	110	85	75	110	85	75	95	70	65	95	70	65	95	70	65
17 (ft)	3" ALUMINUM WH-BEAM	12	100	80	70	100	80	70	100	80	70	100	80	70	100	80	70	100	80	70	95	70	65	95	70	65	95	70	65
	4" ALUMINUM WH-BEAM	19	125	95	85	125	95	85	125	95	85	110	85	75	110	85	75	110	85	75	95	70	65	95	70	65	95	70	65
	4" OSB/ALUM WH-BEAM	27	125	95	85	125	95	85	125	95	85	110	85	75	110	85	75	110	85	75	95	70	65	95	70	65	95	70	65

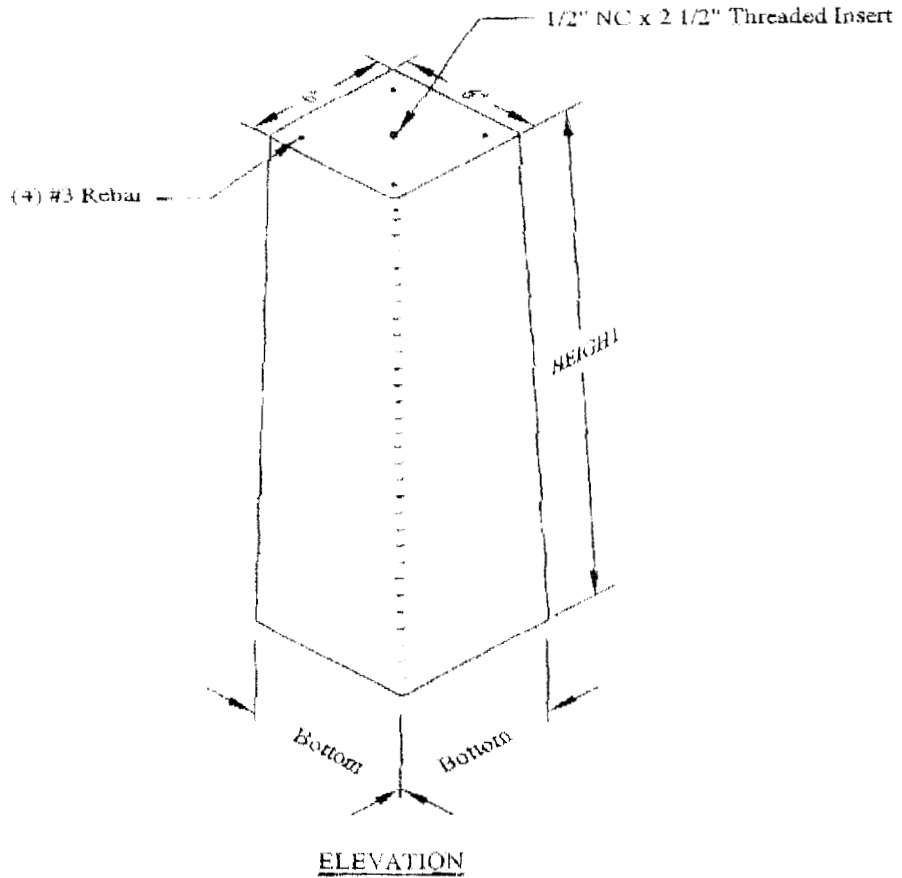
NOTE: EXPOSURE B - RESIDENTIAL AREAS, EXPOSURE C - OPEN TERRAIN AREAS, EXPOSURE D - AREAS WITHIN 1500' OF OCEAN



- NOTES
- 1) H BEAMS TO BE 73RB, OR 74RB
 - 2) ALUMINUM ALLOY IS 6005-T5
 - 3) DEAD LOAD OF ROOF SYSTEM IS 2.37 PSF
 - 4) ALL UNITS SHOWN ON THIS PAGE ARE ACCEPTABLE FOR CONSTRUCTION IN SEISMIC ZONE 4
 - 5) A LOCAL PROFESSIONAL ENGINEER SHOULD DETERMINE THE SITE SPECIFIC LOADING AND PERFORM ANY ADDITIONAL NECESSARY CALCULATIONS WHICH MAY INCLUDE MINIMUM DESIGN LOADS REQUIRED BY LOCAL MUNICIPALITIES, OR ANY DRIFTING OR UNBALANCED SNOW LOADS PRODUCED BY ADJACENT STRUCTURES
 - 6) THIS SUMMARY PERTAINS TO THE STRUCTURAL INTEGRITY OF OUR UNIT UP TO THE CONNECTIONS TO THE EXISTING STRUCTURE AND/OR ANY NEW CONSTRUCTION. THE CONNECTIONS TO THE EXISTING AND/OR ANY NEW CONSTRUCTION MUST BE ANALYZED ACCORDING TO CONDITIONS SPECIFIC TO EACH JOB, BY A LOCAL PROFESSIONAL ENGINEER.
 - 7) ENGINEERS CERTIFICATION: LAWRENCE FISCHER CERTIFY THAT THESE ENGINEERING SPECIFICATIONS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATES SHOWN



PRECAST CONCRETE PIERS



Height (Feet)	Bottom (Inches)	Item #	Weight
4'-0"	9"	21740	230 lbs.
5'-0"	10"	21750	340 lbs.
6'-0"	11"	21760	450 lbs.

DESIGN NOTES:

- 1) Concrete Mix Design is 4,000 PSI standard at 28 days, Type 3 Cement.
- 2) Reinforcing Steel ASTM A 615, Grade 60
- 2) Smooth Finish on all exposed surfaces.

C:\A\Gagne_Dim\Gagne_Catalog\Section_1\Precast_Pier.dwg 022003

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