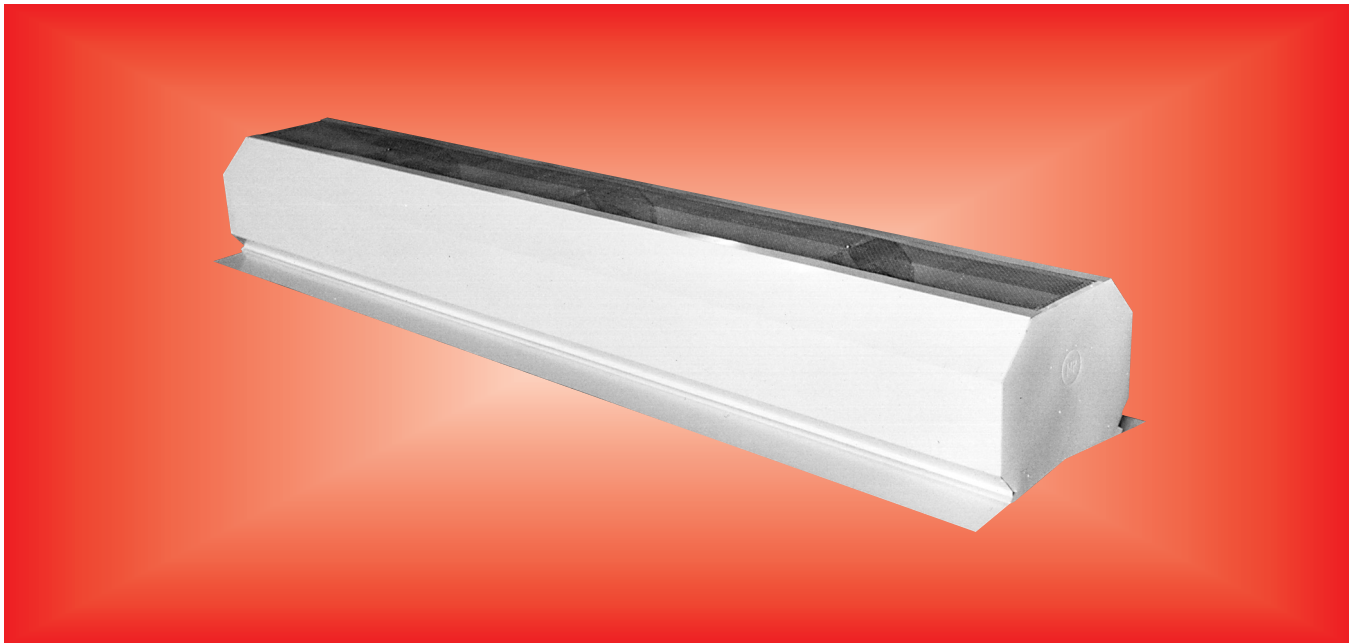




CONTINUOUS VENTILATORS ...



...used on metal roofing systems roofs conform to high standards and specifications which have been developed, tested and proven over many years. They provide an excellent value for the user.

Standard Size

9" throat and 12" throat— 10 foot sections. Other sizes available upon request. Low profile design can be used for single unit or continuous run installation with no disassembly.

Integral Dampers

Easy-moving damper opens to any degree from fully open to completely closed.

Design

Aerodynamically proportioned to exclude weather — protects air passages and full outlet area.

Bird Screen

Fully protected by 4 x 4 mesh galvanized hardware cloth.

Construction

Durable 26 gauge exterior combined with internal components of 24, 20 and 18 gauge die formed sheet metal and machined parts for long service life.

Finish

Pre-painted or galvalume is standard. Other materials and finishes available upon request.

Drainage Area

Continuous slot — bottom of both sides of windbands.

BUILDINGS MUST BREATHE!

Ventilators are manufactured in accordance with the highest design requirements and specifications. 40 plus years of experience in furnishing stationary, gravity-flow, continuous ridge ventilators has proven their efficient performance and lasting quality.

A properly engineered ventilation system using continuous ridge ventilators will control the movement of fresh air through the building removing hot, stale air and air contaminated by manufacturing or production processes. Summer heat is released naturally through gravity ridge ventilators. During winter proper ventilation can assist in the control of condensation and other

moisture problems, such as rust and deterioration of insulation or the damage to stored products.

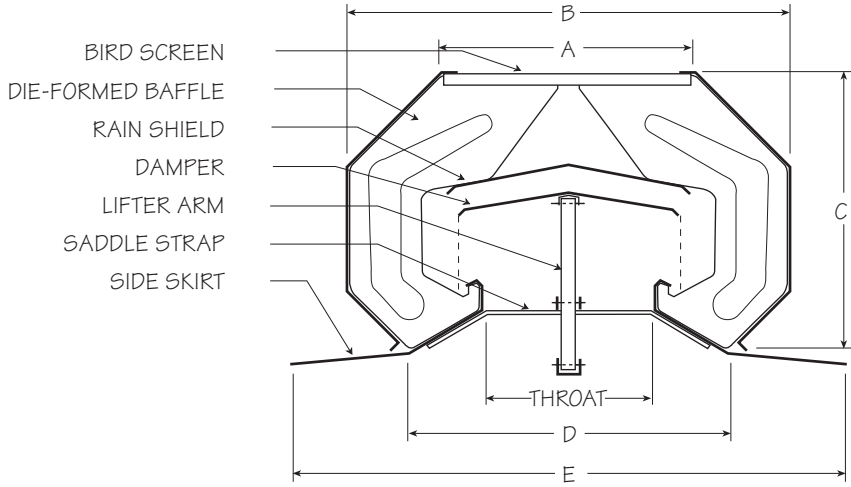
Our ridge ventilator is a low-profile design manufactured in 10-foot lengths which can be installed as individual units or in continuous runs. Vents may be furnished with or without dampers to control the flow of air. Operation of dampers is standard by pull chains (Please specify when ordering), multiple damper operation is available for up to 5 or more units.

Ventilators are shipped with a 1:12 end cap and can be field modified to accommodate up to a 6:12 roof pitch.

“Innovation. New Technology. Better Products.”

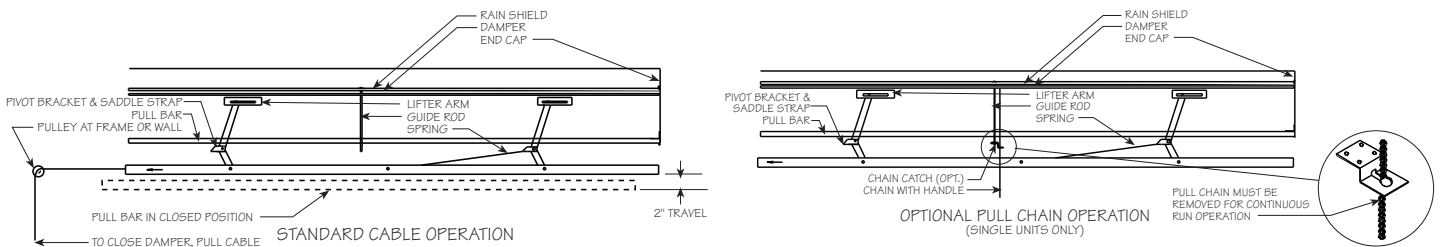
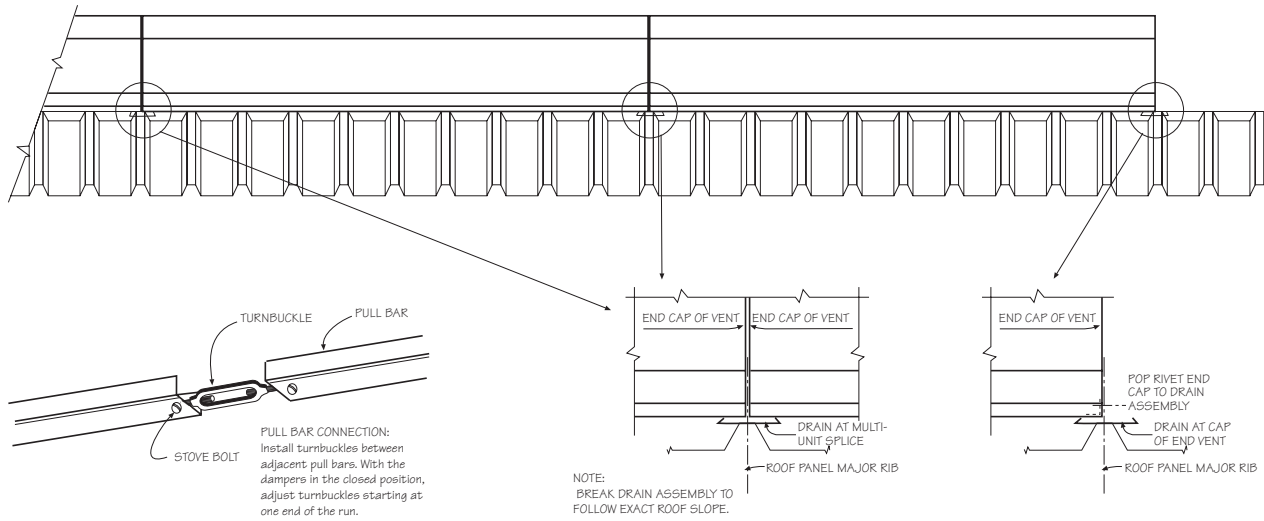
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DIMENSIONS AND TECHNICAL DATA



DIMENSIONS (In Inches)					
Throat*	A	B	C	D	E
9	13	21¼	14½	18	28¼
12	17	28½	18	22	33
SHIPPING WEIGHTS					
Size	Boxed	Standard Crated	Pkg. Size		
9"	124 lbs	209 lbs	124½" X 19½" X 30½"		
12"	148 lbs	218 lbs	124½" X 23" X 35"		

* Other sizes available upon request.

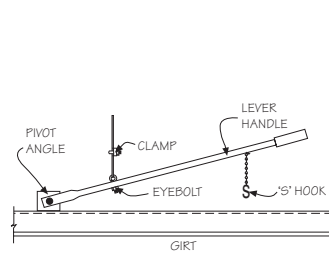


Chain-operated damper utilizes a rugged sash chain through chain locking device. Damper is spring-loaded to open and can be adjusted to any opening from fully open to fully closed. Optional operator packages for multiple units or wall operation are available. (See below.)

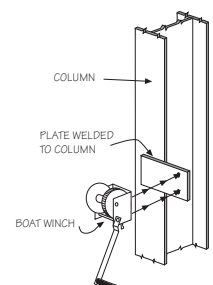
PERFORMANCE DATA

Throat Size	Vent Above Ground	CFM
9"	10'	1323
	20'	1890
	30'	2241
	40'	2511
12"	10'	1764
	20'	2520
	30'	2988
	40'	3348

Assumes 10° Temperature differential and 5 mph wind speed



FOR CONTINUOUS RUNS
UP TO 5 UNITS



FOR CONTINUOUS RUNS
UP TO 10 UNITS

"Innovation. New Technology. Better Products."

9" CONTINUOUS VENTILATOR SPECIFICATIONS

Ventilators are of low profile design to provide gravity type ventilation. Bird-screen is provided to prevent nesting and each unit contains flashing for either single unit or continuous-run installation.

Each unit is 9" x 10' with a base ventilating capacity of 2700 CFM at 20° temperature differential with a 25' stack height.

Exterior parts are 26GA. G90 galvanized, painted galvanized or galvalume. ASTMA446.

Interior parts are all of G90 galvanized steel.

Substructure consists of 10GA. saddle straps with interior baffles of 24GA. Pull bars and pivot brackets are of 20GA. Lifter arms and damper slides are of 18GA.

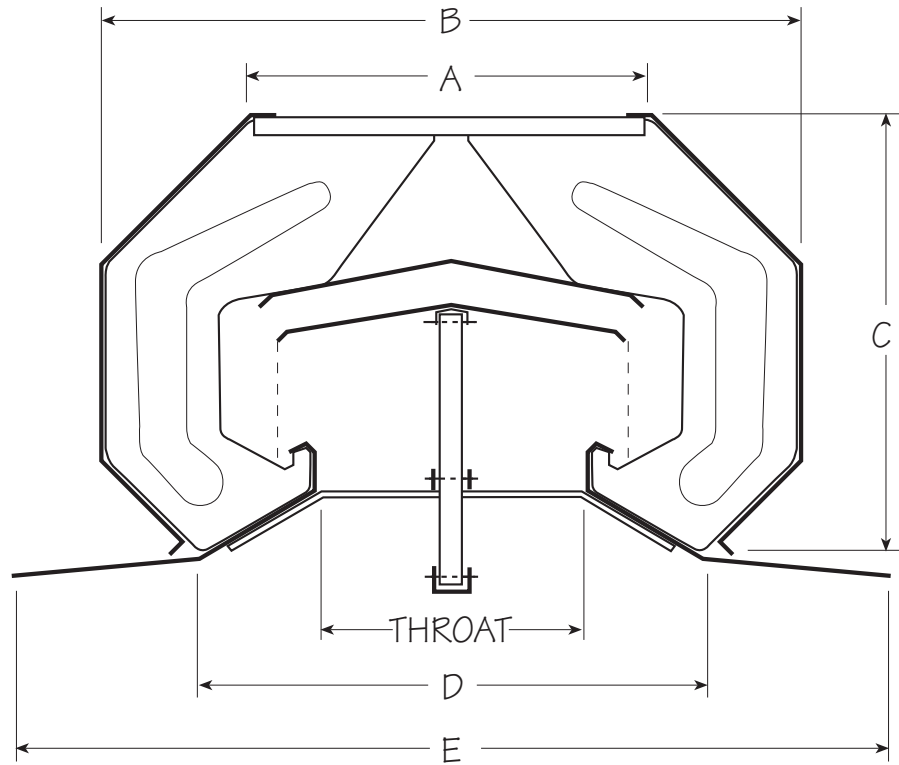
Manual operation is through activation of pull bar, which is attached to bell-cranked type lifter arms connected to damper with teflon coated pins through damper slides.

Dampers are spring loaded to remain in open position until pull bar is operated and locked in the closed position. Dampers operate in vertical manor.

Birdscreen is 4x4 mesh galvanized hardware cloth.

“Innovation. New Technology. Better Products.”

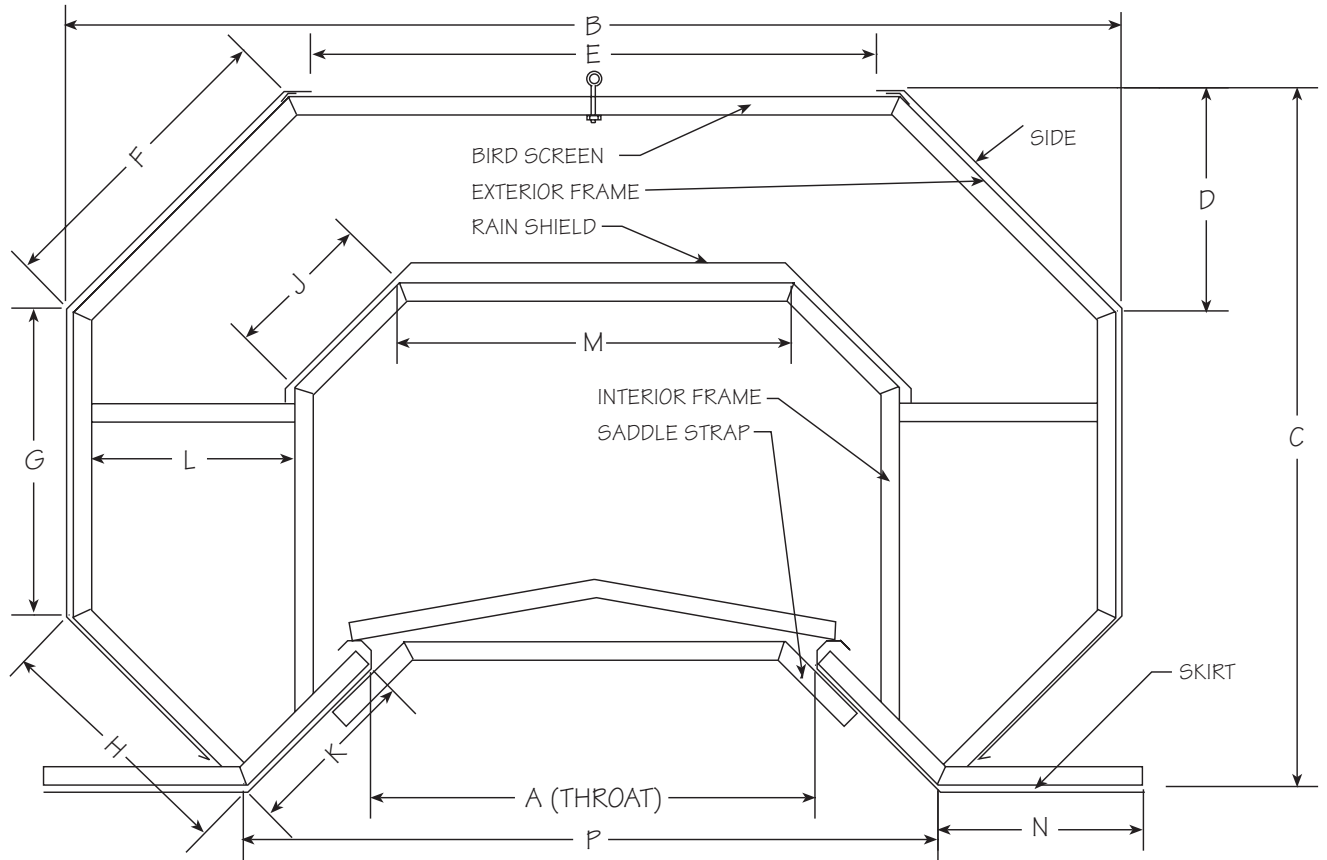
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DIMENSIONS (In Inches)					
Throat	A	B	C	D	E
4	6¼	12½	9	10	18
9	13	21¼	14½	18	28¼
12	17	28½	18	22	33
18	26¾	45⅝	30⅝	30	49
24	33½	57	38⅝	36⅝	58⅝
36	47½	81¼	53⅝	55	83½
SHIPPING WEIGHTS					
Size	Boxed	Standard Crated	Pkg. Size		
9"	124 lbs	209 lbs	124½" X 19½" X 30½"		
12"	148 lbs	218 lbs	124½" X 23" X 35"		

	DATE: 8/18/99
	TITLE: DIMENSIONS
	PART: CONTINUOUS VENT
	VS-1

WELDED FRAME RIDGE VENTILATORS



NOTE: EXTERIOR AND INTERIOR FRAME MADE OF 1/8" X 1 1/2" X 1 1/2" ANGLE HOT-DIPPED GALVANIZED AFTER WELDING. ALL OTHER PARTS MADE OF 22 GA. SHEET METAL, STANDARD WHITE OR GALVALUME.

WELDED FRAME VENTILATOR DIMENSIONS

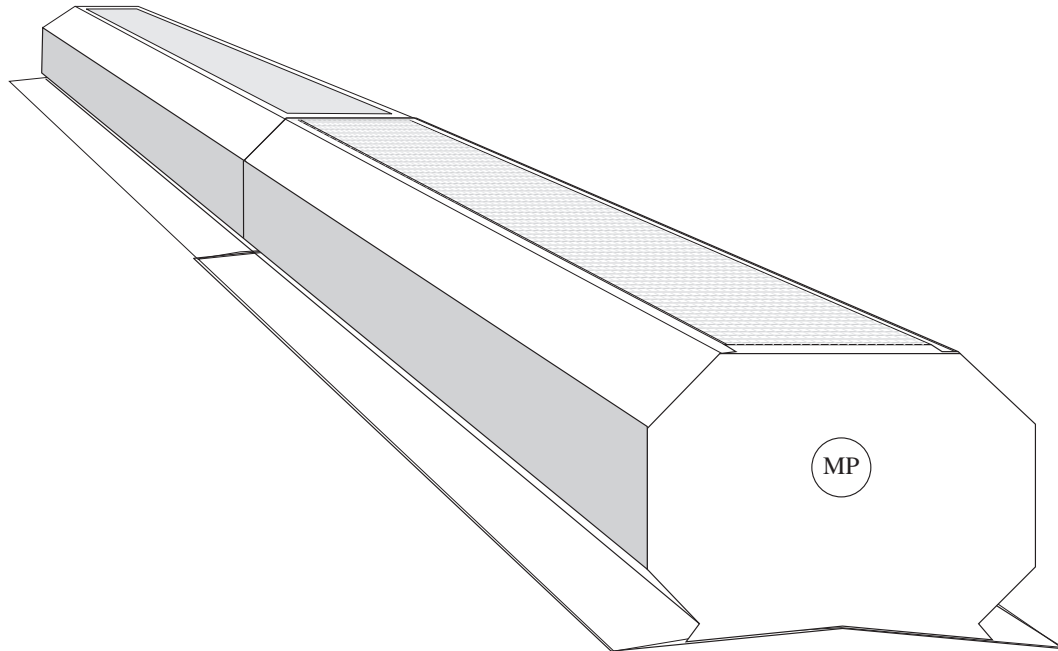
A	A/2	B	C	D	E	F	G	H	J	K	L	M	N	P	WT.
15	7 1/2	39	26 1/2	8	22 3/4	11 3/8	11 3/8	9 7/8	5	6 1/2	7 1/2	16 7/8	8	25	
18	9	45 5/8	30 5/8	10 5/8	26 3/4	13 3/8	13 3/8	11	5 7/8	8 1/4	9	18 5/8	9 1/2	30	275#
20	10	49	32 5/8	10 1/4	28 3/4	14 3/8	14 3/8	11 3/8	8	9 1/8	10	17 3/4	9	33	
24	12	57	38 3/8	11 7/8	33 1/2	16 3/4	16 3/4	13 5/8	8 1/8	9 1/4	12	21 1/2	11	36 1/8	324#
30	15	70 3/8	45 9/16	14 3/8	41	20 1/2	20 1/2	14	9 1/2	11 5/8	16	26 5/8	11 3/8	49 1/4	
36	18	81 1/4	53 5/8	16 7/8	47 1/2	23 3/4	23 3/4	19 1/2	12 3/8	12 1/2	18	26 1/2	14 1/4	55	428#
42	21	94	61	18 7/8	56	26 13/16	26 5/16	22 1/2	14 1/2	13 9/16	21	31 1/4	16 5/8	62	
48	24	106	65 7/8	19 1/4	67 1/4	27 1/4	27 1/4	26 7/8	16 7/8	13 5/16	24	34 3/8	20 1/8	67 1/2	550#

Purlin Spacing = "P" Plus 3" Each Side



DATE: 9/20/99
TITLE: DIMENSIONS
PART: WELDED FRAME CONTINUOUS VENT

Table of Capacities for Continuous Ventilators



CAPACITY:

To determine capacity per unit, multiply "Base Rating" by "Temperature-Height Factor": $CFM = \text{Base} \times \text{Temperature-Height Factor}$

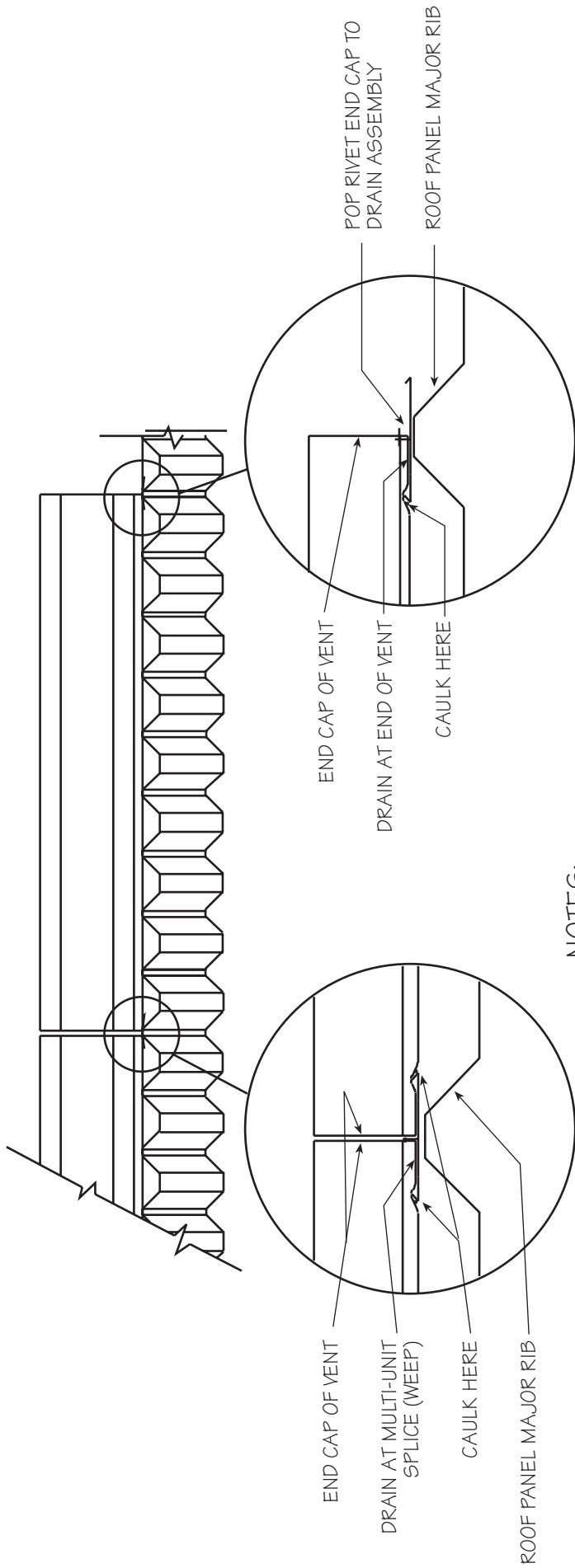
Based on fresh air intake area 1½ times ventilator throat area. Assumes 5 mph wind speed.

Temperature-Height Factors									
Temperature Difference									
Height	5°	10°	15°	20°	25°	30°	35°	40°	45°
10'	.37	.49	.58	.64	.70	.76	.81	.86	.95
15'	.42	.60	.71	.80	.86	.92	.99	1.05	1.09
20'	.53	.70	.81	.92	.99	1.07	1.14	1.22	1.26
25'	.58	.77	.89	1.00	1.08	1.18	1.25	1.33	1.39
30'	.63	.83	.97	1.08	1.17	1.28	1.36	1.45	1.50
35'	.66	.87	1.02	1.14	1.24	1.35	1.44	1.51	1.58
40'	.70	.93	1.08	1.22	1.30	1.41	1.50	1.61	1.68
45'	.74	.96	1.12	1.28	1.38	1.48	1.59	1.68	1.75
50'	.77	1.01	1.18	1.33	1.44	1.56	1.67	1.75	1.83
55'	.80	1.06	1.23	1.39	1.50	1.64	1.72	1.83	1.92
60'	.83	1.09	1.28	1.44	1.55	1.69	1.79	1.90	2.00
65'	.85	1.12	1.32	1.48	1.61	1.74	1.85	1.97	2.06
70'	.88	1.17	1.36	1.53	1.67	1.79	1.89	2.02	2.11
75'	.90	1.19	1.39	1.57	1.69	1.83	1.96	2.06	2.17
80'	.93	1.22	1.42	1.61	1.72	1.86	2.00	2.11	2.20

Base Ratings	
Size	C.F.M.
4"	1200
9"	2700
12"	3600
15"	4500
18"	5400
24"	7200
30"	9000
36"	10800
42"	12600
48"	14400

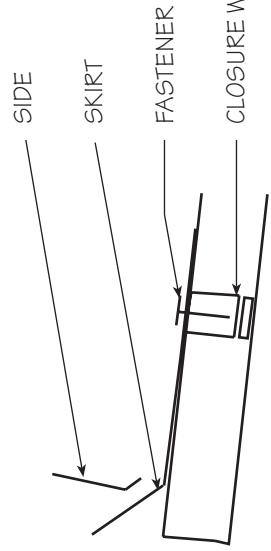
Height = vertical rise from inlets near floor to ventilator.

Temperature = estimated temperature difference between middle of air intake near the floor and ventilator with dampers open.



NOTE:
BREAK DRAIN ASSEMBLY TO FOLLOW
EXACT SLOPE OF ROOF

NOTES:
BE SURE WEEPS ARE LEFT OPEN
FOR 5:12 AND UP ROOF PITCHES,
THE TWO BOTTOM RIVETS MUST BE
REMOVED BEFORE END SKIRT MAY
BE PLACED ON VENT. REPLACE
RIVET WITH SCREW.



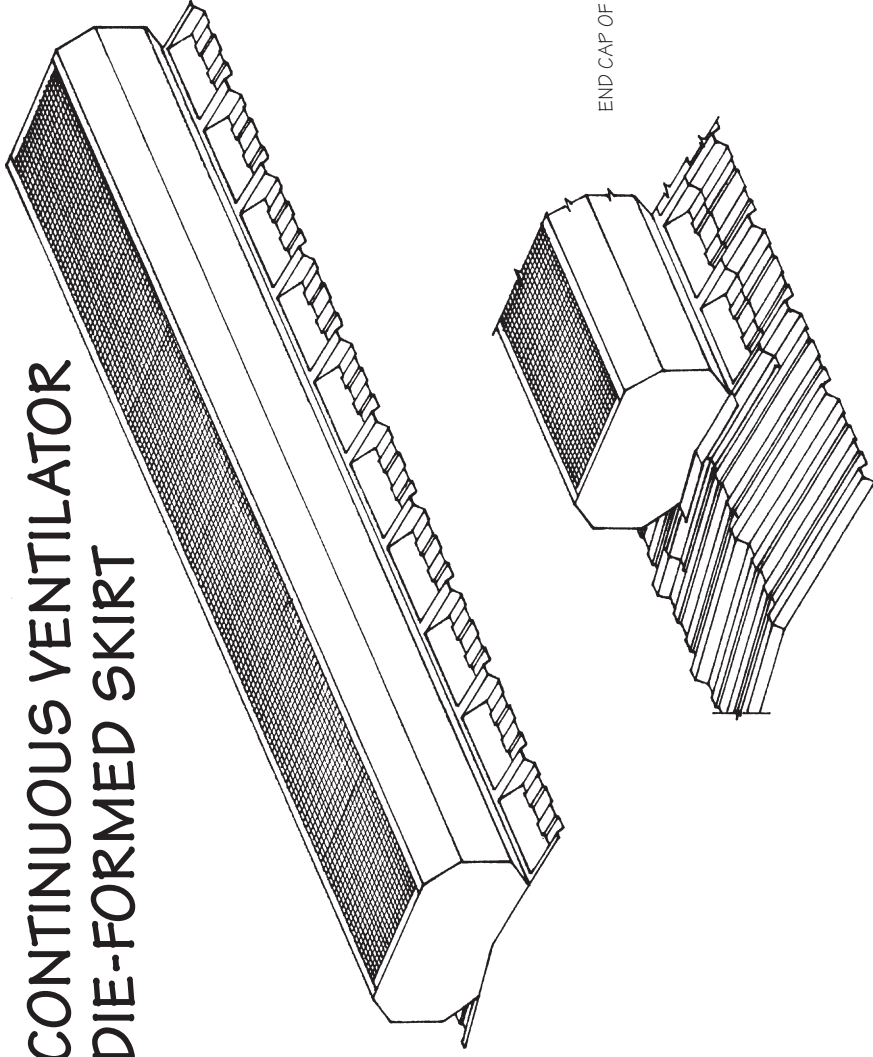
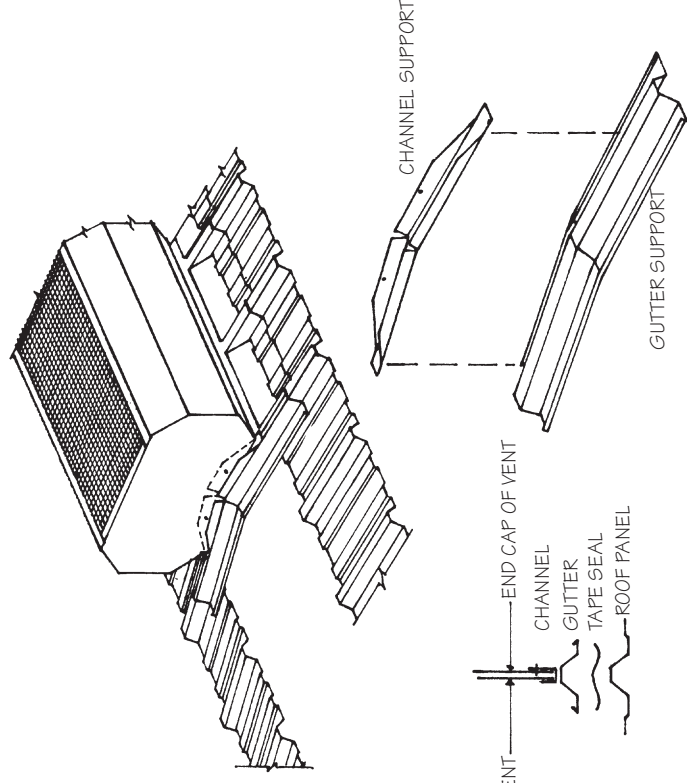
END VIEW

RIDGE VENT FLASHING WITHOUT DIE-FORMED SKIRTS

DATE: 1/4/99
TITLE: FLASHING WITHOUT DIE-FORMED SKIRTS
PART: CONTINUOUS VENT
DRAWING #2



END SKIRT DETAIL AND
CONTINUOUS VENT SPLICE



CONTINUOUS VENTILATOR
DIE-FORMED SKIRT

END OF VENT DETAIL

DATE: 4/22/97

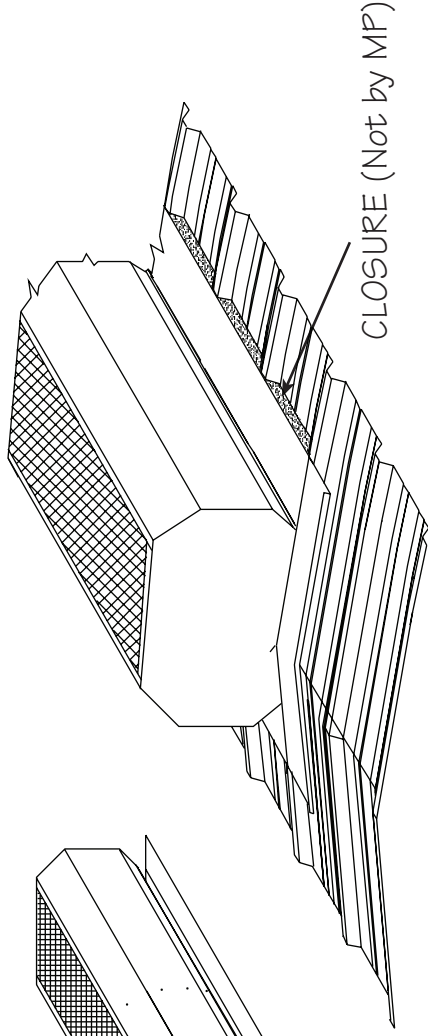
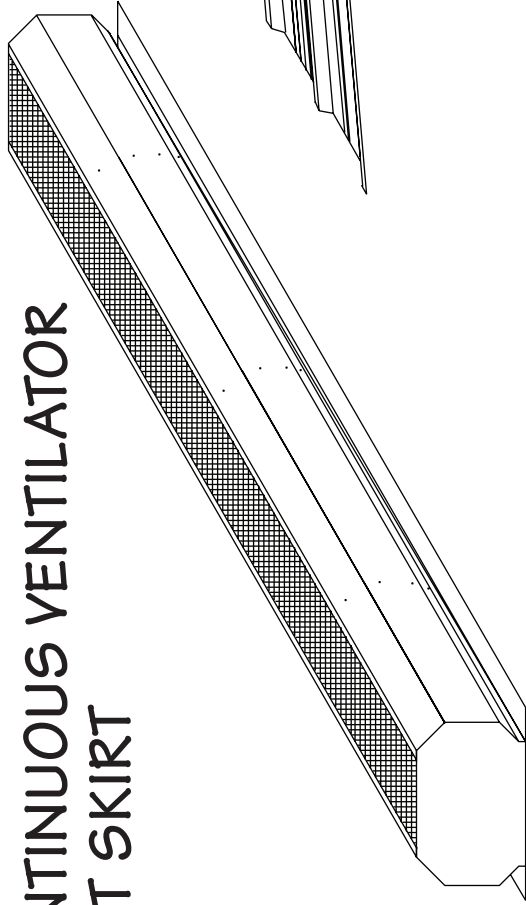
TITLE: DIE-FORMED SKIRT APPLICATION

PART: CONTINUOUS VENT

VFSS-1

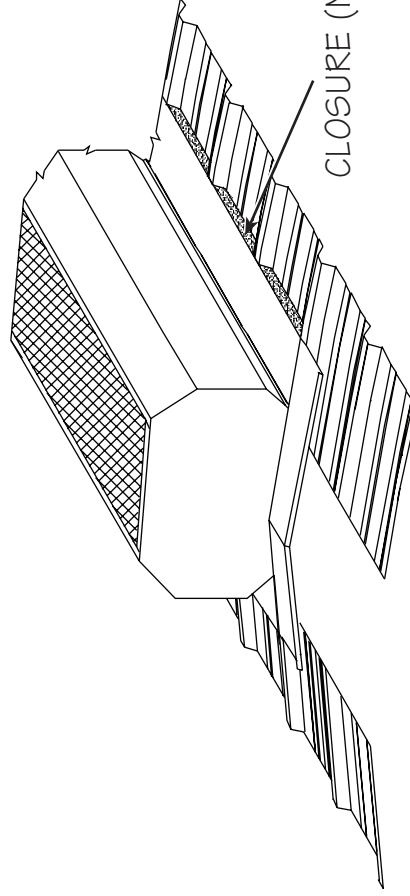


CONTINUOUS VENTILATOR FLAT SKIRT



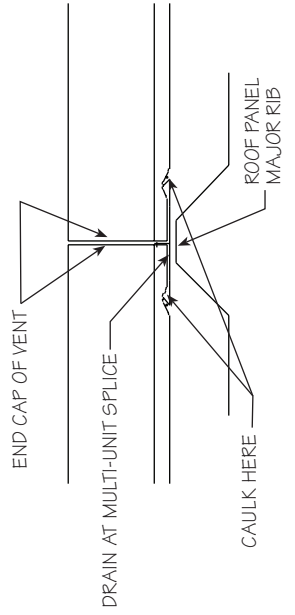
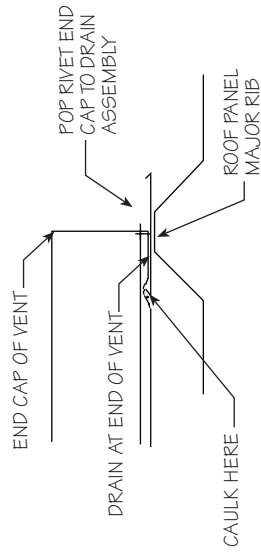
CLOSURE (Not by MP)

END OF VENT DETAIL



CLOSURE (Not by MP)

END SKIRT DETAIL AND
CONTINUOUS VENT SPLICE

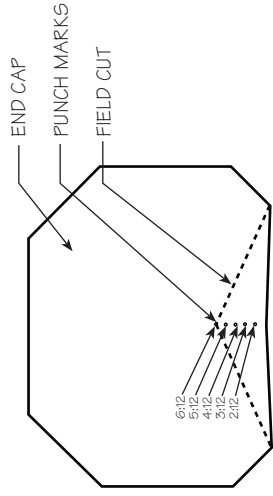
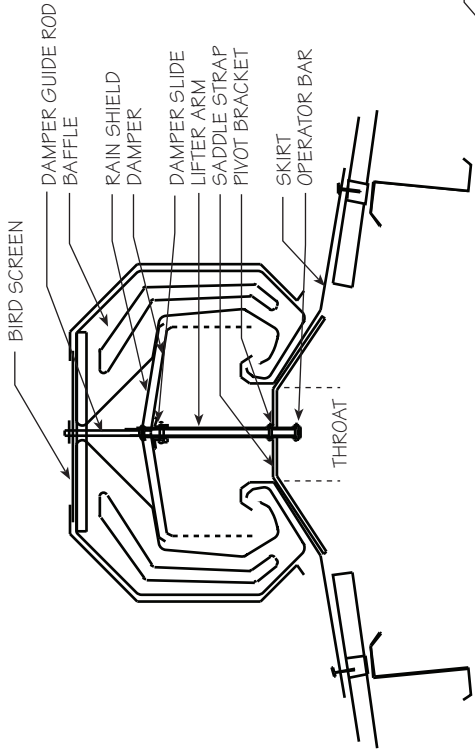


DATE: 4/22/97

TITLE: FLAT SKIRT
APPLICATION

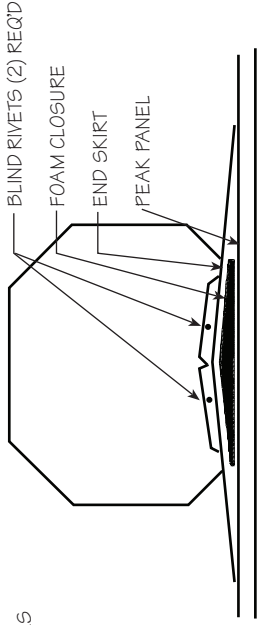
PART: CONTINUOUS VENT





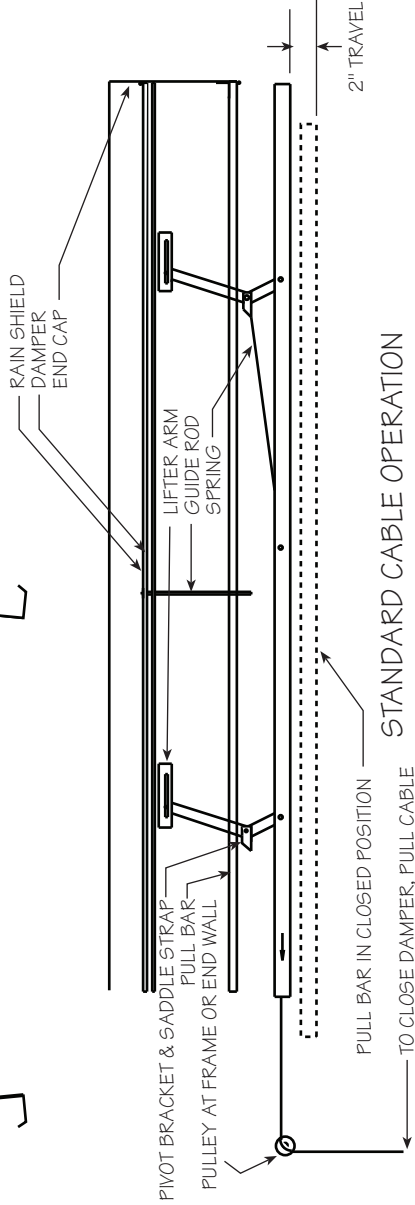
END CAP DETAIL

NOTE: DOTTED LINE INDICATES FIELD CUT FOR 6:12 ROOF SLOPE; OTHER SLOPES AS NOTED.

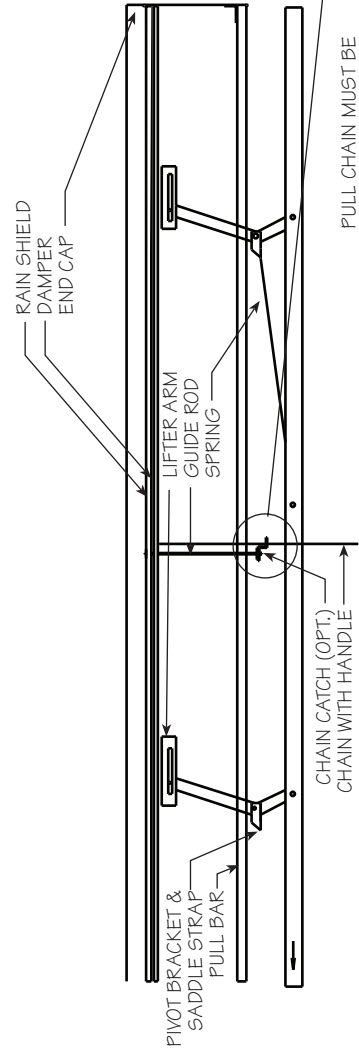


ROOF PITCH LESS THAN 1:12 INSTALLATION:
INSTALL END SKIRT FOR 1:12 ROOF SLOPE AND FOAM CLOSURE WITH TAPE SEALER TOP AND BOTTOM.

ROOF PITCH GREATER THAN 5:12 INSTALLATION:
REMOVE TWO BOTTOM RIVETS BEFORE INSTALLING END SKIRT. REPLACE THE RIVETS WITH SHEETING SCREWS ONCE END SKIRT IS IN PLACE.

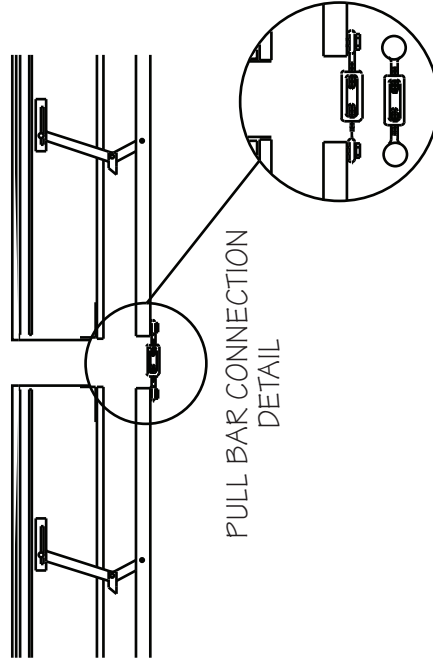


STANDARD CABLE OPERATION



**OPTIONAL PULL CHAIN OPERATION
(SINGLE UNITS ONLY)**

PULL CHAIN MUST BE REMOVED FOR CONTINUOUS RUN OPERATION

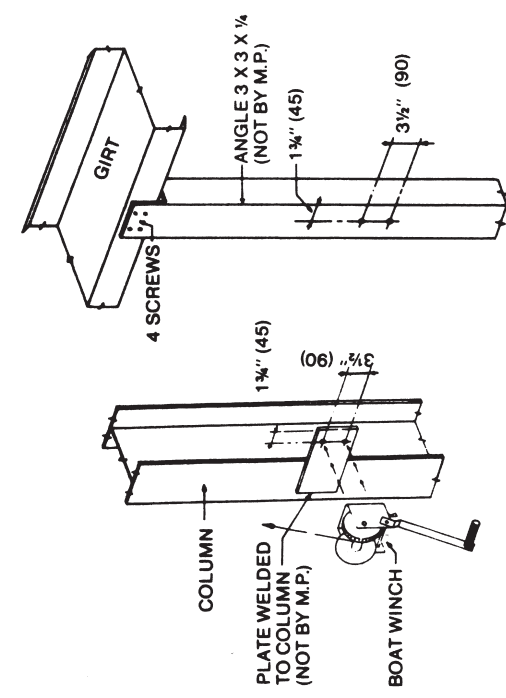
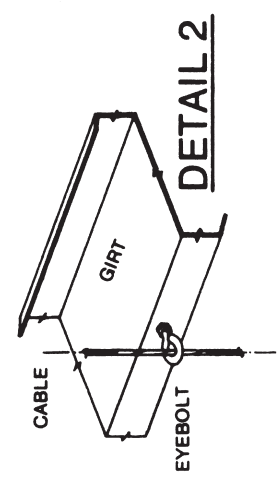
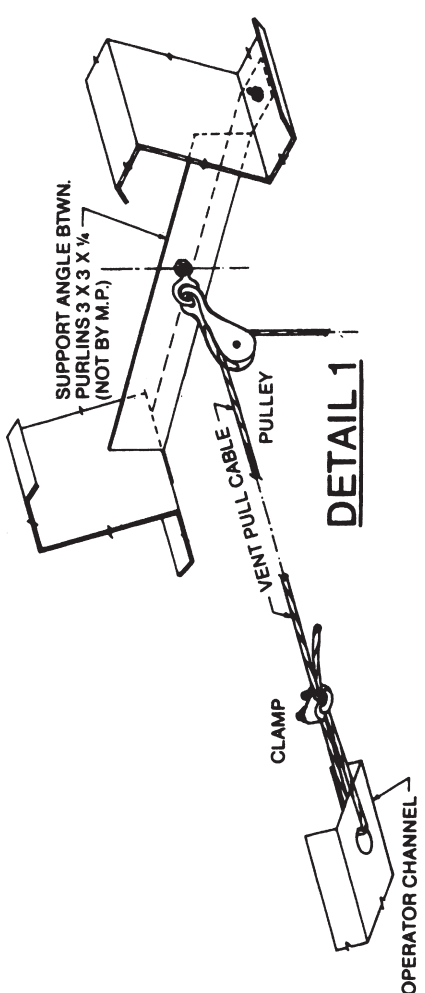
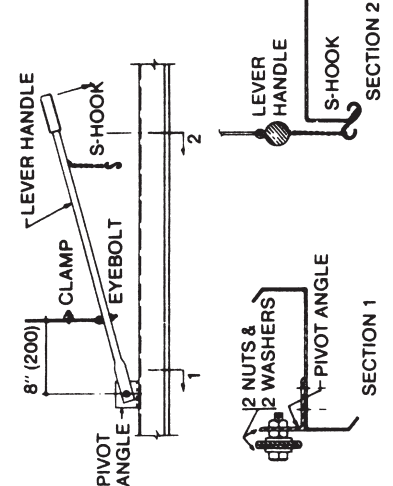
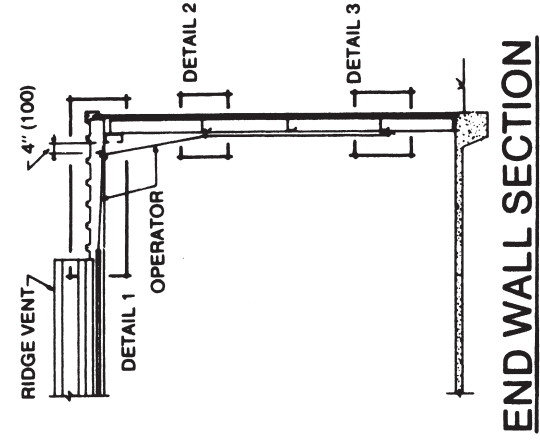


DATE: 1/04/99

TITLE: INSTALLATION
DETAILS

PART: FLAT SKIRT
CONTINUOUS VENT



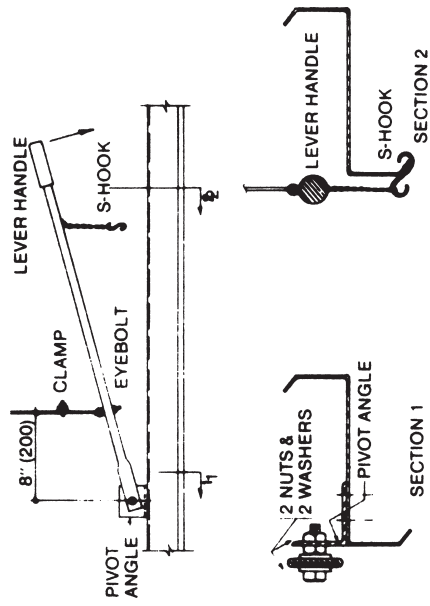
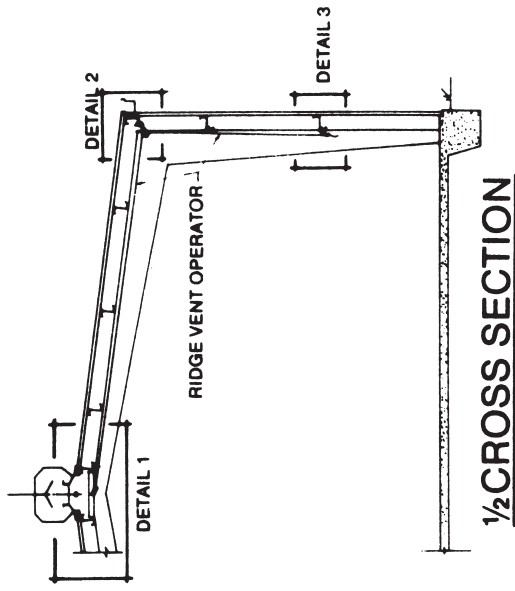


DETAIL 3 - Type A **DETAIL 3 - Type B** **DETAIL 3 - Type C**

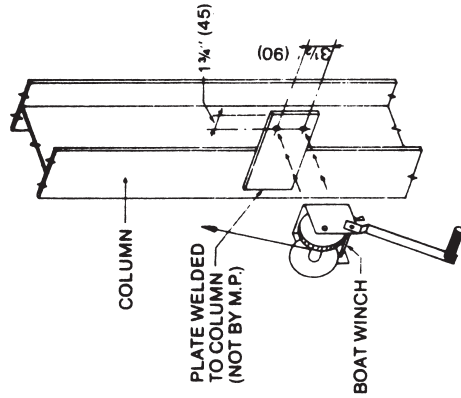
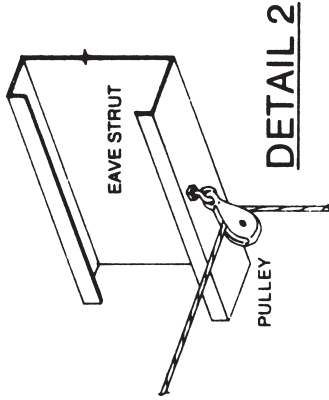
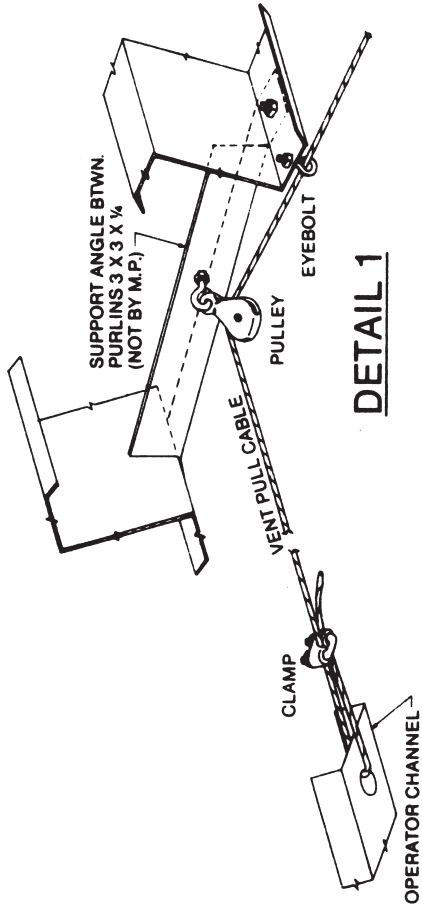
OPERATOR A: 3/16" UNCOATED AIRCRAFT CABLE WITH CABLE KEEPER
 OPERATOR B: NO. 35 ZINC COATED SASH CHAIN WITH CHAIN KEEPER
 OPERATOR C: HAND LEVER TYPE
 OPERATOR D: BOAT WINCH TYPE

3 UNITS MAX.
 3 UNITS MAX.
 6 UNITS MAX.
 12 UNITS MAX.

DATE: OCT. 1, 1983
 TITLE: END WALL INSTALLATION
 PART: CONTINUOUS VENT
 VIEW: 1



DETAIL 3 - Type C



DETAIL 3 - Type D DETAIL 3 - Type A DETAIL 3 - Type B

OPERATOR A: 3/16" UNCOATED AIRCRAFT CABLE WITH CABLE KEEPER
 OPERATOR B: NO. 35 ZINC COATED SASH CHAIN WITH CHAIN KEEPER
 OPERATOR C: HAND LEVER TYPE
 OPERATOR D: BOAT WINCH TYPE

2 UNITS MAX.
 2 UNITS MAX.
 5 UNITS MAX.
 10 UNITS MAX.

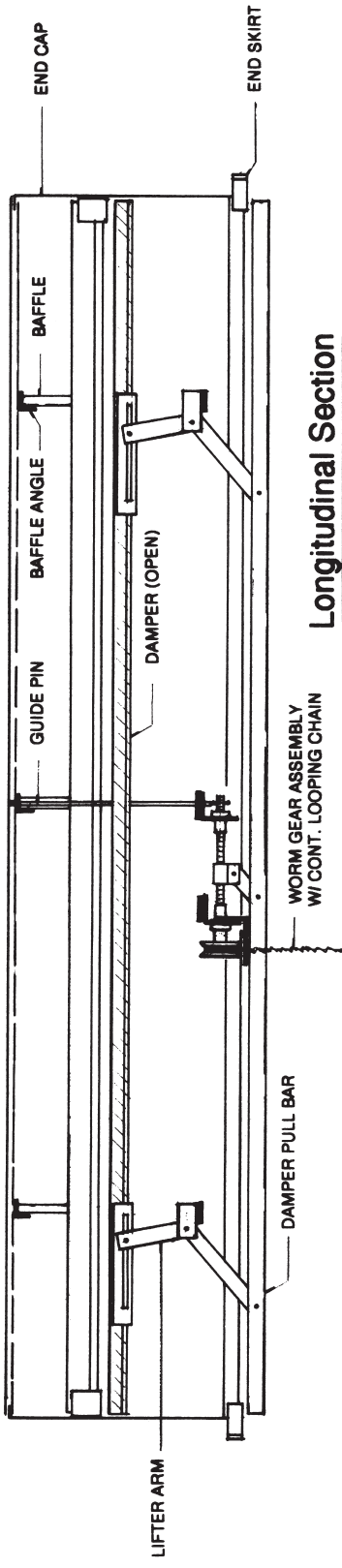


DATE: OCT. 1, 1983

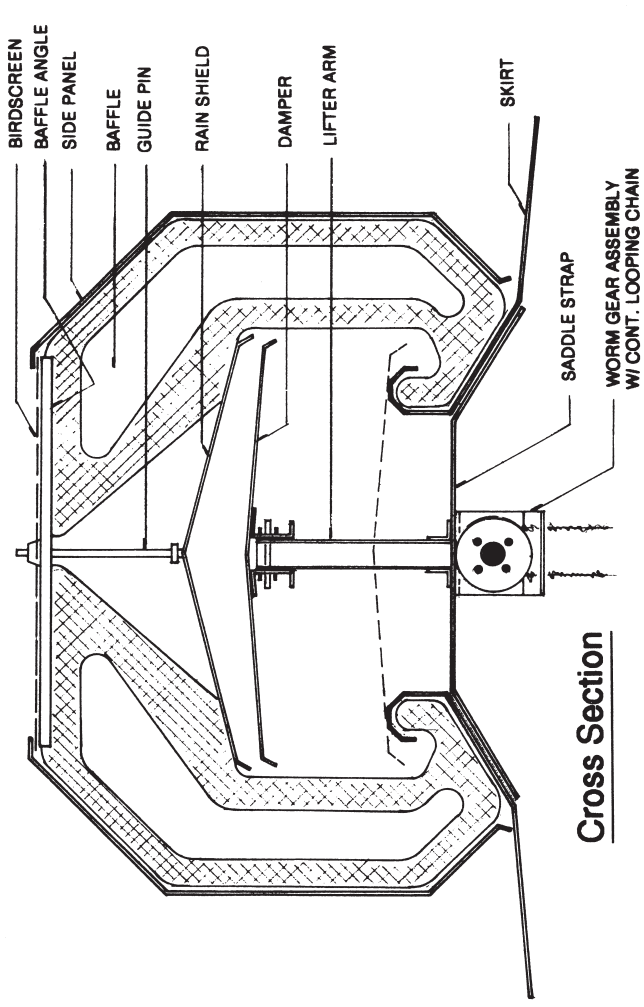
TITLE: SIDE WALL INSTALLATION

PART: CONTINUOUS VENT

Y5W-1



Longitudinal Section



Cross Section

DATE:

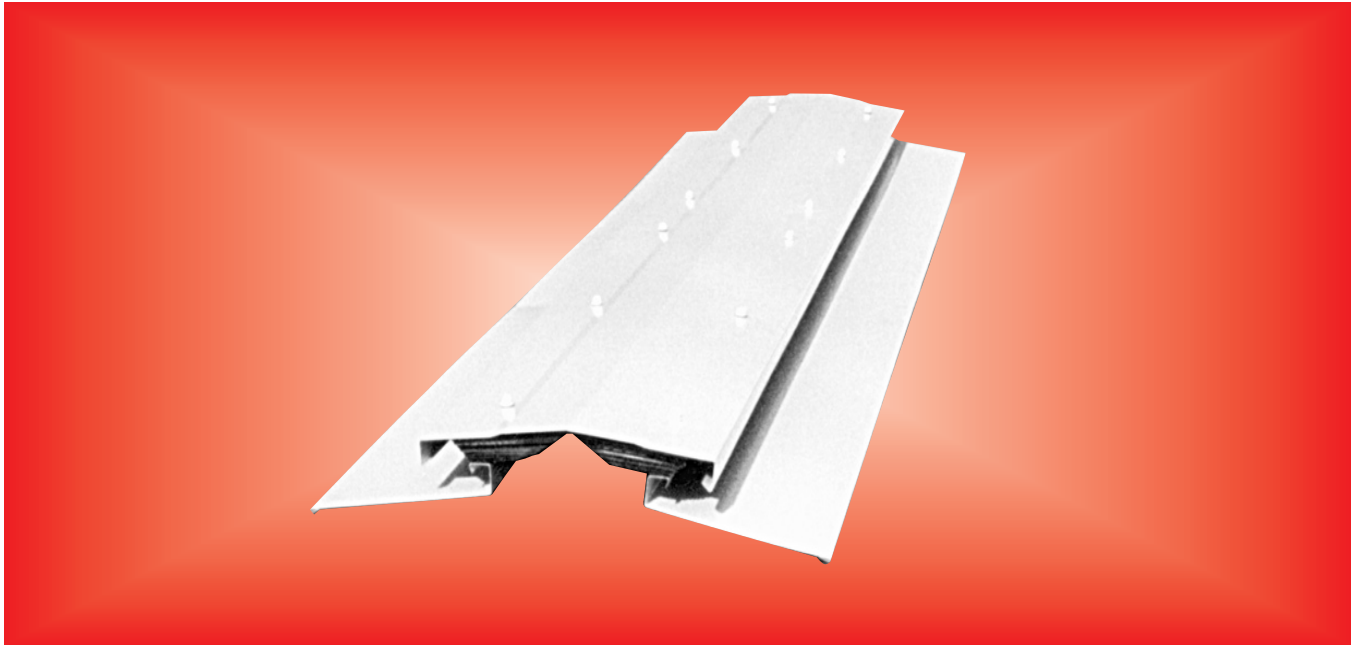
TITLE: WORM GEAR ASSEMBLY

PART: CONTINUOUS VENT





LOW PROFILE FLOATING RIDGE VENT... RIDGE LINE



...featuring Cor-A-Vent® ventilation core is designed specifically for architectural standing-seam retrofit applications and some residential applications where maximum ventilation is required in an attractive, very low-profile unit.

Standard Size

Each ten-foot unit features 180 square inches of free area with a base rating of 450 CFM's of air movement. Units in lengths of other than ten feet can be manufactured upon request. Throat size is determined by roof pitch.

Design

Aerodynamic, low-profile design enhances the looks and performance of architectural roof systems. The unit moves toward the ridge on floating roofs. Vents are made to match roof slope to maintain low-profile appearance.

Construction

Unit is factory assembled and ready for installation. Vent features the Cor-A-Vent® ventilation core — a time-tested, economical, self-cleaning and durable core which has been in service since 1970. All steel parts are 24 gauge.

Finish

Steel parts match roof type and color finish. All paint types and colors are available including Kynar.® Please specify roof system, paint system and color when ordering.

BUILDINGS MUST BREATHE!

One of the most overlooked components of design and installation of architectural roofing systems, both in new construction and retrofit applications, is ventilation. A properly engineered ventilation system using a continuous ridge vent in conjunction with an under soffit intake will provide proper fresh air movement through the roofing system removing hot, stale air. Summer heat is released naturally, extending both the life and performance of the roof. During winter proper ventilation can assist in the control of condensation and other moisture problems such as rust and insulation deterioration.

Our ridge ventilators are manufactured in accordance with the highest design requirements and specifications. 40 plus years

of experience in furnishing stationary, gravity-flow, continuous ridge ventilators has proven their efficient performance and lasting quality.

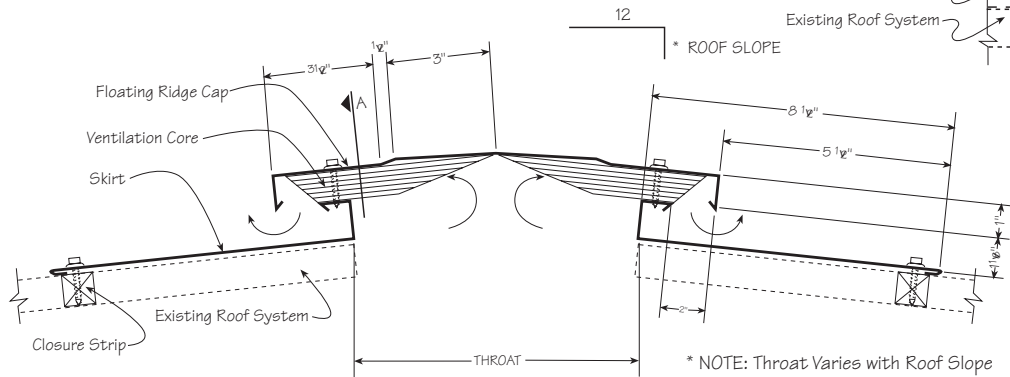
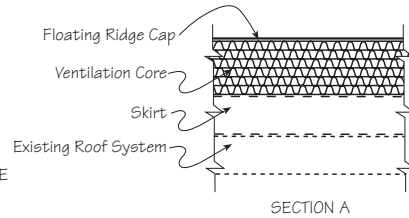
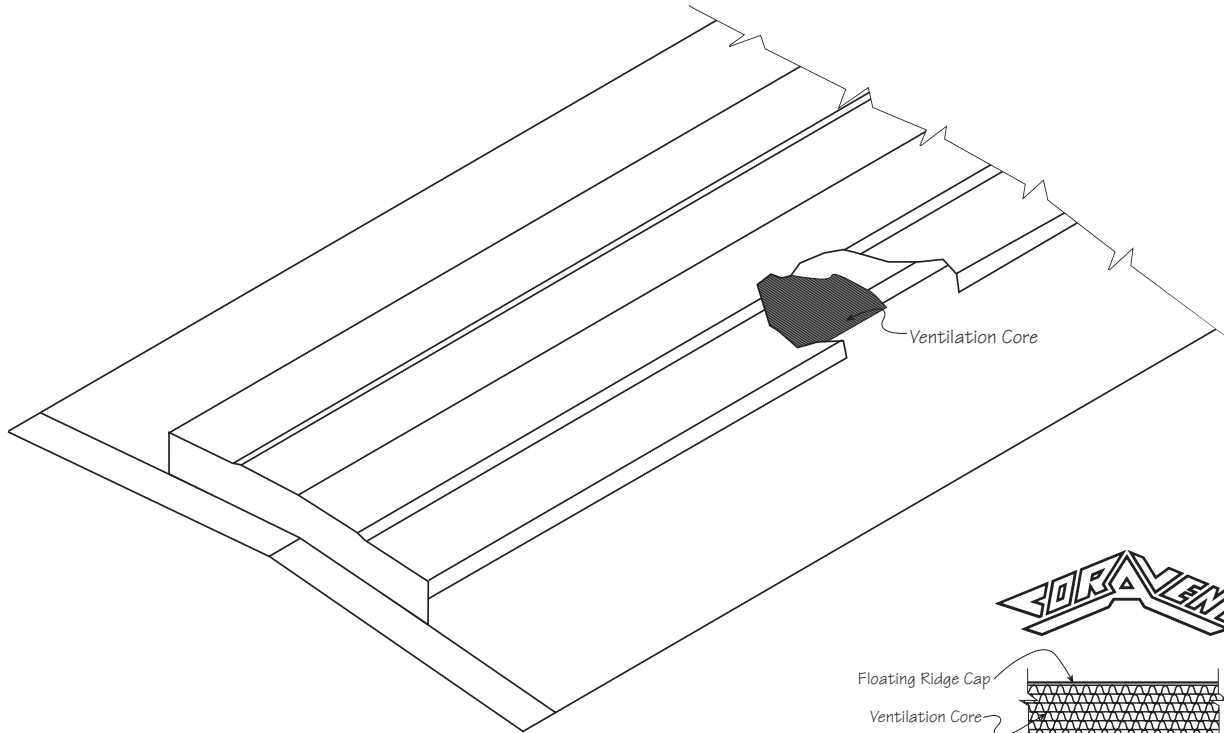
Lo-profile floating ridge vents are a low-profile, aesthetically pleasing and extremely efficient means of ventilating standing seam roofs. Each unit is manufactured in 10' lengths and can be installed as a single unit or can be butted together to form a continuous run. By lapping the furnished joint covers over the top of the butted joints in a continuous run, the vent has the appearance of a single unit.

When ordering please specify roof slope, roof system, paint system, and color.

“Innovation. New Technology. Better Products.”

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DIMENSIONS AND TECHNICAL DATA



* NOTE: Throat Varies with Roof Slope

TABLE A						
Air Movement per Lineal Foot Factors						
HEIGHT IN FEET	Temperature Difference					
	5°	10°	15°	20°	25°	30°
10	16.65 _A	22.05 _A	26.10 _A	28.80 _A	31.50 _A	34.20 _A
15	18.90 _A	27.00 _A	31.95 _A	36.00 _A	38.70 _A	41.40 _B
20	23.85 _A	31.50 _A	36.45 _A	41.40 _A	44.50 _B	48.15 _B
25	26.10 _A	34.65 _A	40.05 _A	45.00 _B	48.60 _B	53.10 _C
30	28.35 _A	37.35 _A	43.65 _B	48.60 _B	52.65 _C	57.60 _C
35	29.70 _A	39.15 _B	45.90 _B	51.30 _B	55.80 _C	60.75 _C
40	31.50 _B	41.85 _B	48.60 _B	54.90 _C	58.50 _C	63.45 _C
45	33.30 _B	43.20 _B	50.40 _B	57.60 _C	62.10 _C	66.60 _C
50	34.65 _B	45.45 _B	53.10 _C	59.85 _C	64.80 _C	70.20 _D

TABLE B				
Wind Velocity Factors				
WIND M.P.H.	Factors			
	A	B	C	D
3	1.14	1.09	1.05	1.02
5	1.25	1.18	1.13	1.09
7	1.41	1.29	1.22	1.16
9	1.62	1.43	1.33	1.25
11	1.82	1.57	1.43	1.32

TOTAL CFM = (Table A) X (Table B) X Length

Note: If material is furnished by customer, the following must be supplied for each 10' section:

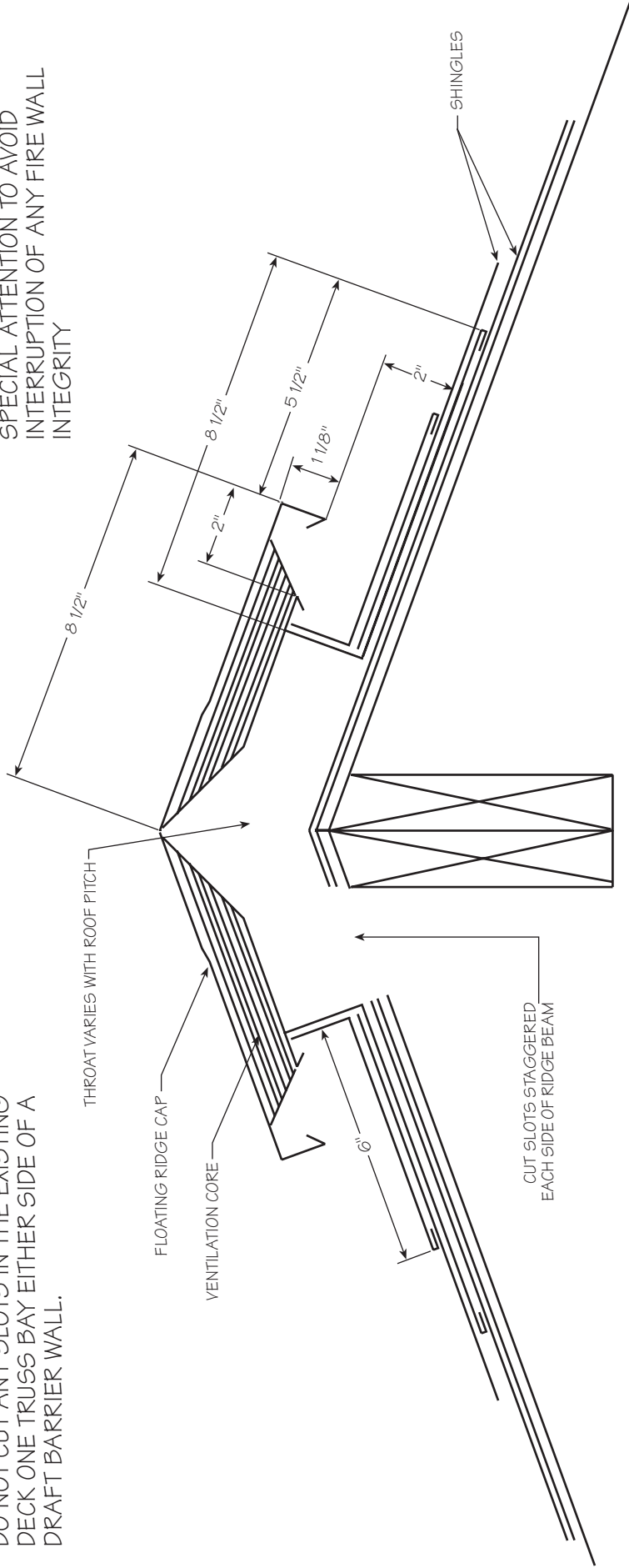
- Painted Screws
- 1 Sheet for Metal Roof, 2 for Shingle
- 15 Self-Tapping Screws 1/4" x 1 1/2"
- Type A W/Washers

TABLE C			
Throat Size (Determined by Roof Pitch)			
Pitch	Throat Size	Pitch	Throat Size
1:12	6 1/2"	7:12	4 1/8"
2:12	6 1/8"	8:12	3 1/2"
3:12	5 5/8"	9:12	3"
4:12	5 1/4"	10:12	2 1/2"
5:12	4 7/8"	11:12	2 1/8"
6:12	4 5/8"	12:12	1 3/4"

“Innovation. New Technology. Better Products.”

NOTE:
 RIDGE VENT OPENINGS WILL REQUIRE
 SPECIAL ATTENTION TO AVOID
 INTERRUPTION OF ANY FIRE WALL
 INTEGRITY

NOTE:
 DO NOT CUT ANY SLOTS IN THE EXISTING
 DECK ONE TRUSS BAY EITHER SIDE OF A
 DRAFT BARRIER WALL.

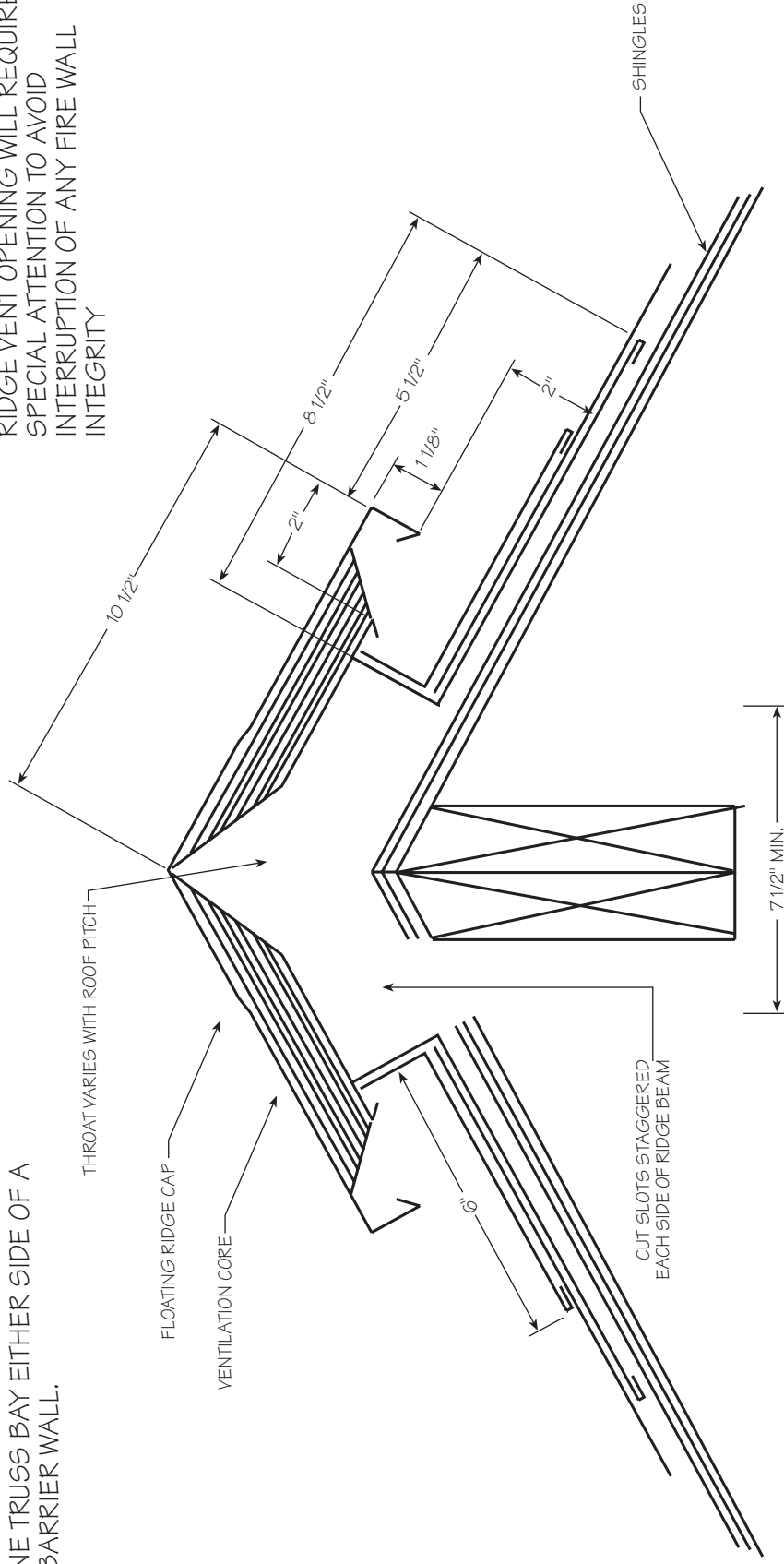


7 1/2" MIN.

DATE:	10/12/98
TITLE:	1:12 TO 5:12 PITCH
PART:	SHINGLE TYPE CORAVENT

NOTE:
DO NOT CUT ANY SLOTS IN THE EXISTING
DECK ONE TRUSS BAY EITHER SIDE OF A
DRAFT BARRIER WALL.

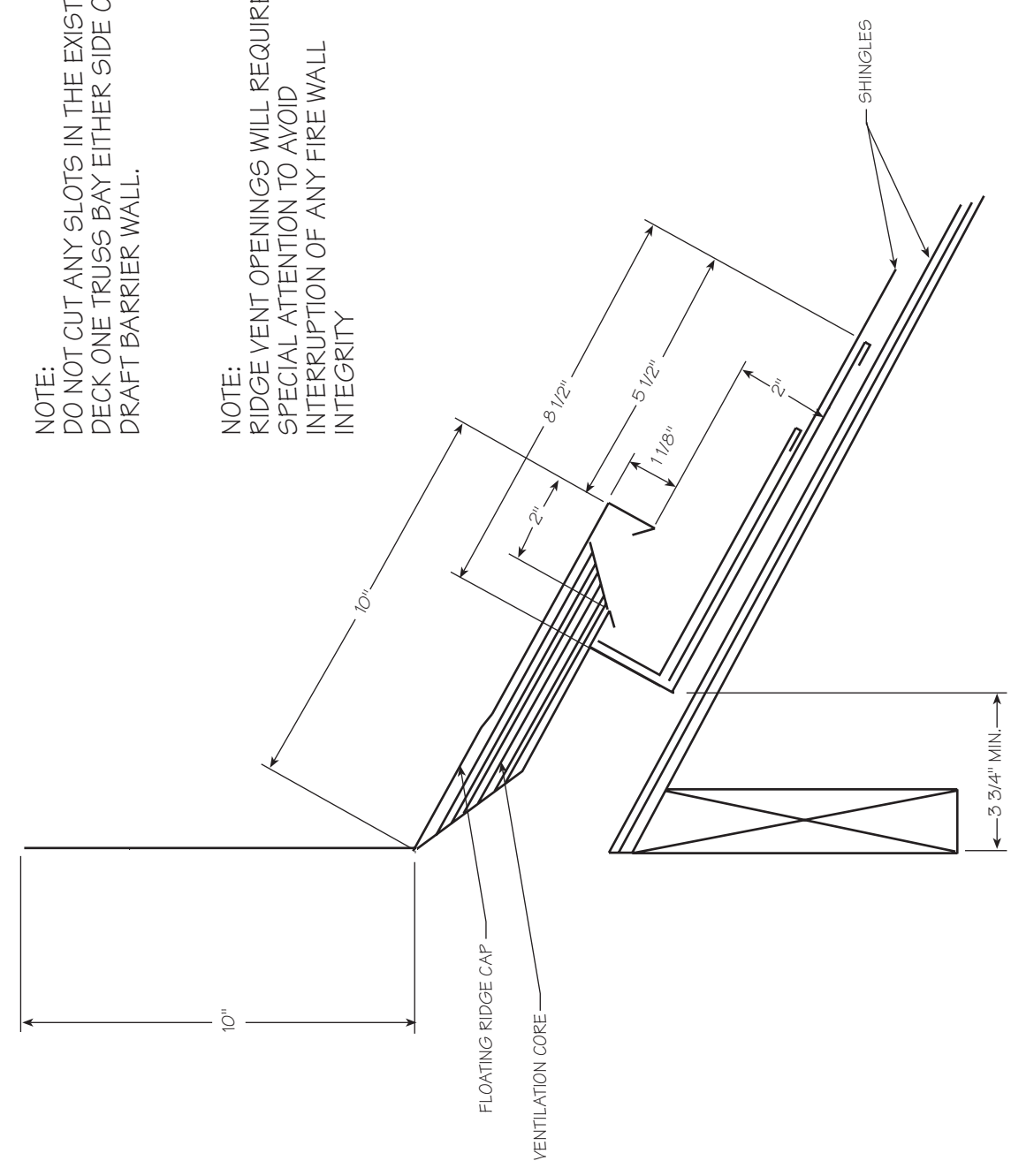
NOTE:
RIDGE VENT OPENING WILL REQUIRE
SPECIAL ATTENTION TO AVOID
INTERRUPTION OF ANY FIRE WALL
INTEGRITY



DATE:	10/12/98
TITLE:	6:12 TO 12 :12 PITCH SHINGLE TYPE CORAVENT
PART:	

NOTE:
DO NOT CUT ANY SLOTS IN THE EXISTING
DECK ONE TRUSS BAY EITHER SIDE OF A
DRAFT BARRIER WALL.

NOTE:
RIDGE VENT OPENINGS WILL REQUIRE
SPECIAL ATTENTION TO AVOID
INTERRUPTION OF ANY FIRE WALL
INTEGRITY



DATE:	10/12/98
TITLE:	ROOF TO WALL
PART:	SHINGLE TYPE CORAVENT

