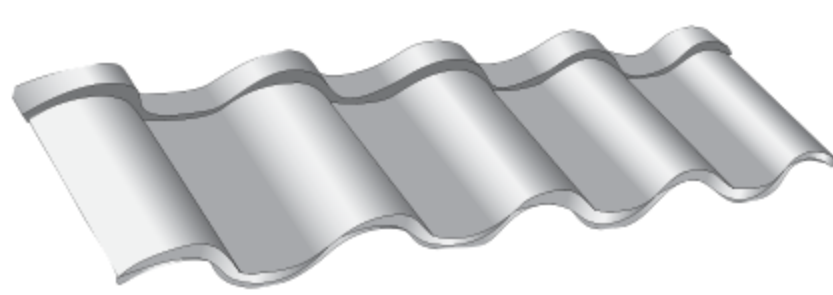

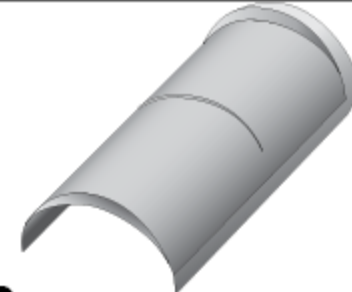






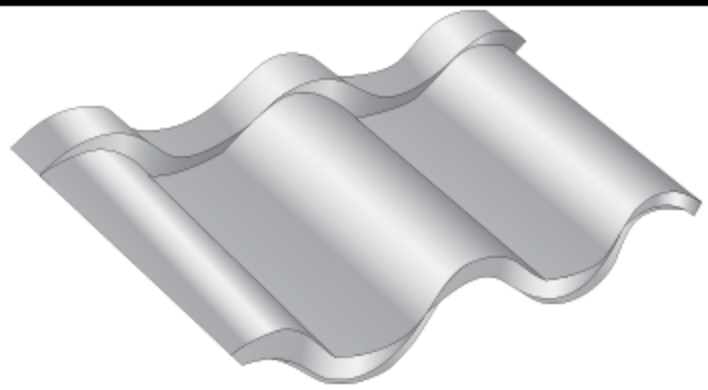

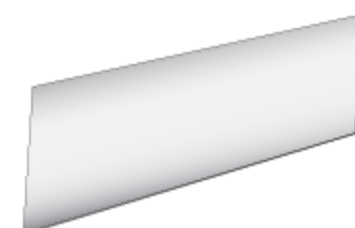
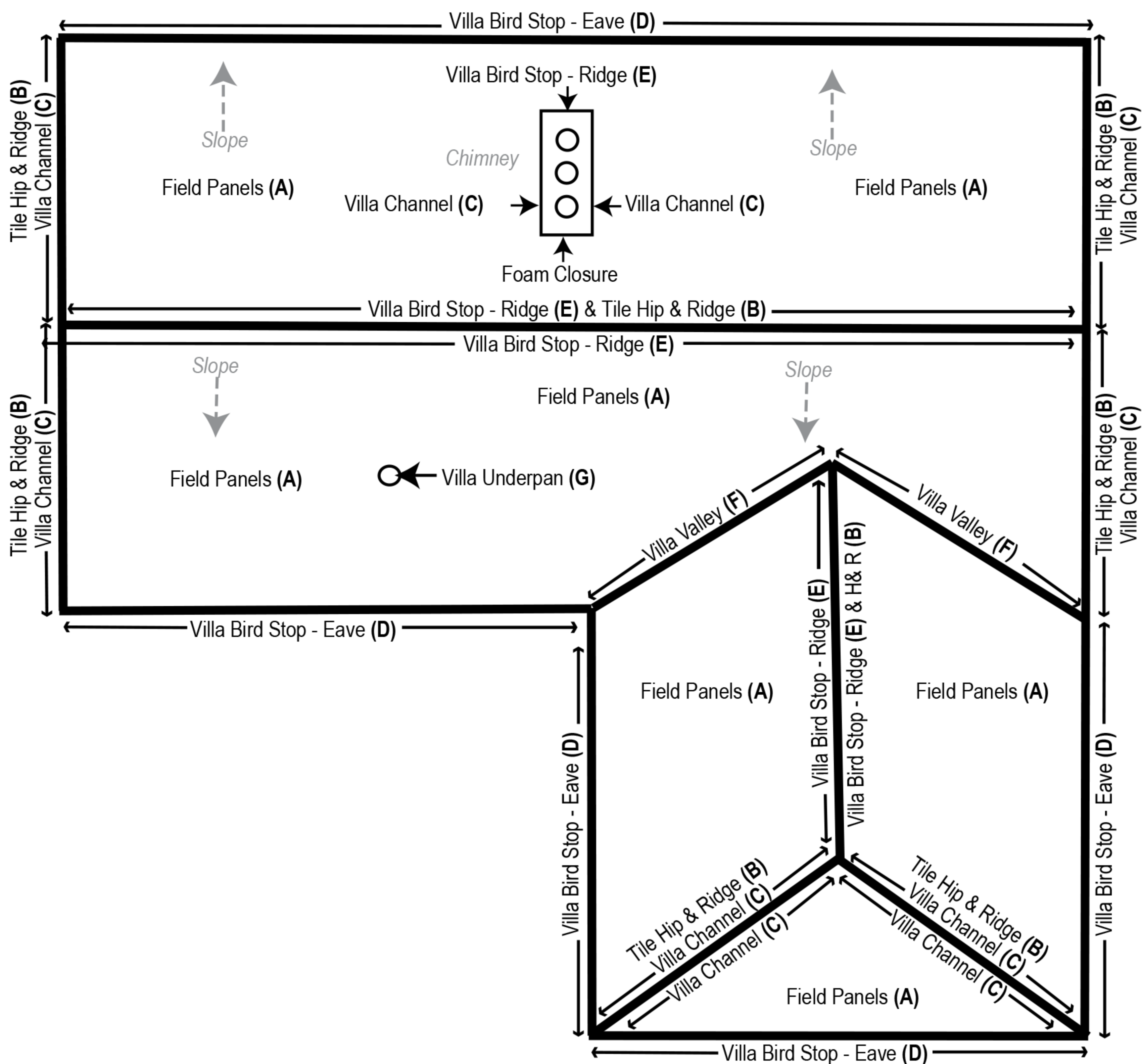


Project Name:

Date:

Description	Profile	Color	Calculations	Total
(A) Villa Tile 2,71 panels per m2 36,8 cm exposure – min pitch 25%		Select	$m^2 \times 2,71 = \text{Panels}$ (6-10% Waste Factor)	
Villa Tile Panel Vent		Select		
(B) Tile Hip & Ridge As needed for hips, ridges & rake/gables	 36,83 cm exposure	Select	Linear meters \div 0,368 m = Pieces Needed	
Tile End Cap		Select	As needed for closure at hip, ridge & rake/ gable at eave	
Ridge Vent (2) 6,1 m rolls / package	 (2) 6,35 cm W x 2,54 cm H x 6,1 m L	n/a	Linear Meters Ridge \div 6,1 = Packages Needed	
(C) Villa Channel For use along hips (both sides) and rakes/gables (finish with H&R Piece) Also for use along sidewalls, including skylights and chimneys	 1,98 m Length	n/a	Linear Meters \div 1,83 m = Pieces Needed (x2) For Hips (x1) for Other (Includes 15 cm overlap)	
(D) Villa Bird Stop - Eave For use along eaves at first course	 1,52 m Length	Select	Linear Meters of Eave \div 1,50 m = Pieces Needed (When estimating allow for 2 cm overlap)	
(E) Villa Bird Stop - Ridge For use along ridges, on both sides of ridge	 1,52 m Length	Select	(Linear meters of Ridge x 2) \div 1,48 = Pieces Needed (When estimating allow for 4 cm overlap)	
(F) Villa Valley 43 cm Wide	 1,98 m Length	n/a	Linear Meters \div 1,83 = Pieces Needed (includes 15 cm Overlap)	
(G) Villa Underpan 46.35 cm x 55.9 cm (Use with Non-Lead Pipe Jacks)		n/a	1 per Roof Penetration	
Side Flashing For use to counter flash side wall	 1,98 m Length	Select	Linear Meters \div 1,83 = Pieces Needed (Includes 15 cm Overlap)	
Flat Sheet 40,6 cm x 137 cm		Select		
Corrosion Resistant Screws #10 Hex (0,48 cm diameter or 3/16") x 3,8 cm long	2,000 / box Use fasteners of sufficient length to penetrate through the sheathing (deck) by at least 1.5	n/a	1 Box (2,000 pcs) per 139,35 m2	
Color Coordinated Corrosion Resistant Screws #10 Hex (1/4" head) x 3,8 cm long	500 pc / bag 4 bags / box	SelectScrewColor	(Number of Hip & Ridge Pieces + Linear Feet Fascia/Bird Stop - Eave) x 2	
1x2 and or 2x2 Timber Battens (Non-Treated)	Stacked 2x2s / 1x2s at rake/gable, hips and ridges as needed	n/a		
1x4 Timber Battens (Non-Treated)	For use on first course	Select		
Touch-Up Kit Use at penetrations, transitions & panels	Bag of stone chip & cartridge of roof sealant	Select		

- (A) Villa Tile Field Panels
(6-10% waste)
2,71 panels per m2
- (B) Tile Hip & Ridge
(along hip, ridge and rake/gable)
Tile Hip & Ridge Pieces
36,83 cm exposure
- (C) Villa Channel (rake/gable,
roof-to-wall and along both
sides of the hip)
1,98 m Length
- (D) Villa Bird Stop - Eave
1,52 m Length
- (E) Villa Bird Stop - Ridge
1,52 m Length
- (F) Villa Valley
1,98 m Length
- (G) Villa Underpan
46.35 cm x 55.9 cm



Panels Needed

Rafter Length		Eave Length
35,56 cm	1	0,99 m
72,39 cm	2	1,981 m
1,092 m	3	2,971 m
1,460 m	4	3,962 m
1,828 m	5	4,953 m
2,197 m	6	5,943 m
2,565 m	7	6,934 m
2,933 m	8	7,924 m
3,302 m	9	8,915 m
3,657 m	10	9,906 m
4,038 m	11	10,896 m
4,406 m	12	11,887 m
4,775 m	13	12,876 m
5,143 m	14	13,868 m
5,486 m	15	14,859 m
5,880 m	16	15,849 m
6,248 m	17	16,840 m
6,616 m	18	17,830 m
6,985 m	19	18,821 m
7,350 m	20	19,812 m

Use as guide only

- ✓ Tin Snips
- ✓ Tape Measure
- ✓ Local Code Requirements
- ✓ Circular Saw
- ✓ Table Saw
- ✓ Screw Gun
- ✓ Polyurethane Sealant
- ✓ Hand Seamer
- ✓ Spray Paint
- ✓ Galvanized Pipe Jacks (No Lead)
- ✓ 2 x 2s to secure Hip & Ridge Pieces along rakes/gables, hips and ridges
(Should equal the same linear footage as total Hip & Ridge Pieces, each Hip & Ridge Piece equals 36,83 cm)
- ✓ 1 x 4s or 1 x 2s (in same total linear feet as Villa Bird Stop - Eave) set back 39,6 m from the fascia. measurement (D) in the roof diagram above. Secure lumber and the back of the first course of panels using No. 10 screws that will fit flat to the 1 x 4 and are long enough to securely penetrate the deck.
- ✓ Villa Bird Stop – Eave overlaps 2 cm and must be notched to assure proper fit into Villa Channel at rake/gable, hip and roof-to-wall.
- ✓ Closure strip or tape is recommended in areas where required by code or warranted by weather conditions.