

(A) Field Panels
(8-12% waste)
DECRA Shingle Plus
20 panels per square

(B) Hip & Ridge (hip, ridge, rake/gable)
Shingle Plus Hip & Ridge
14-1/2" exposure

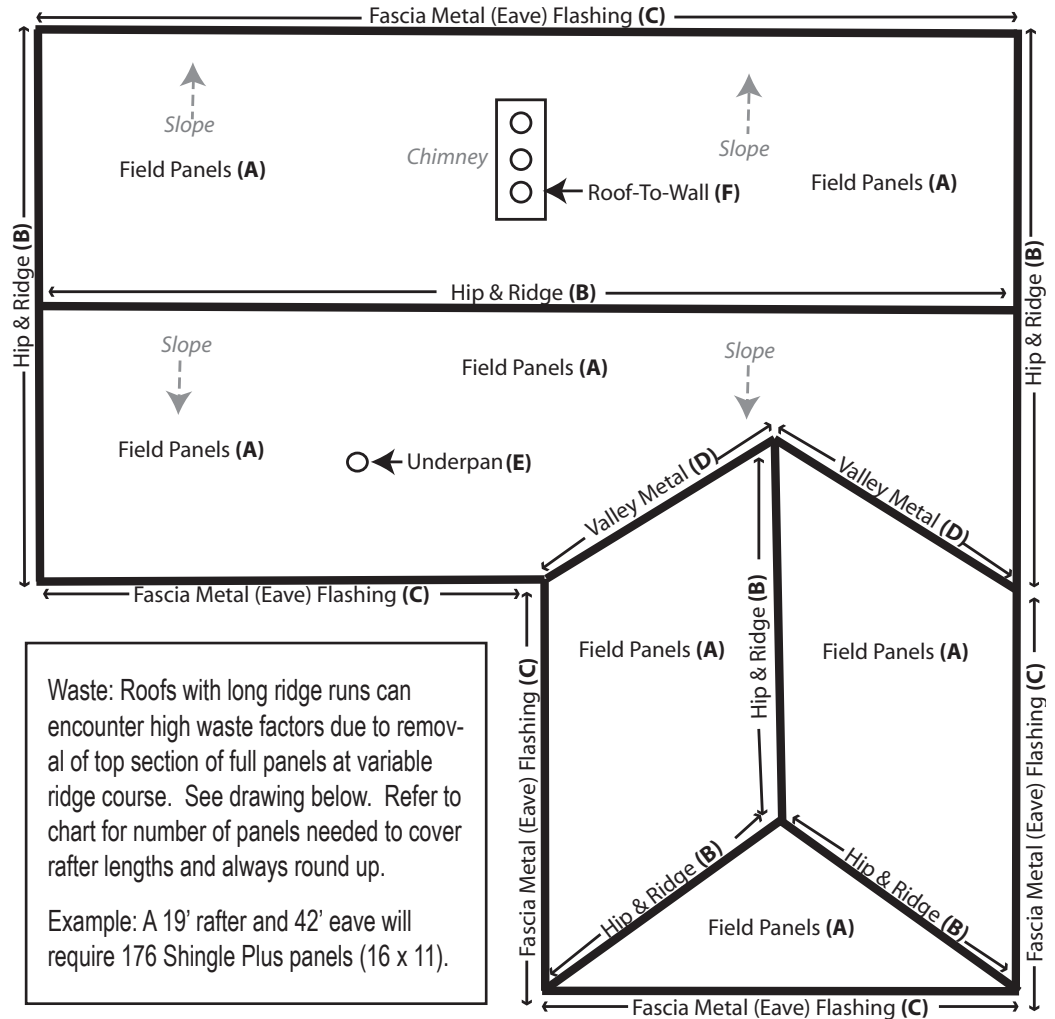
(C) Fascia Metal (Eave) Flashing
3.5" vertical face (tear-off or new)
5" vertical face (roof over)

(D) Valley Metal, 10' lengths
Minimum 7-1/2" wide and
1-1/2" upturn at edge



(E) Underpan
Use with non-lead pipe jacks

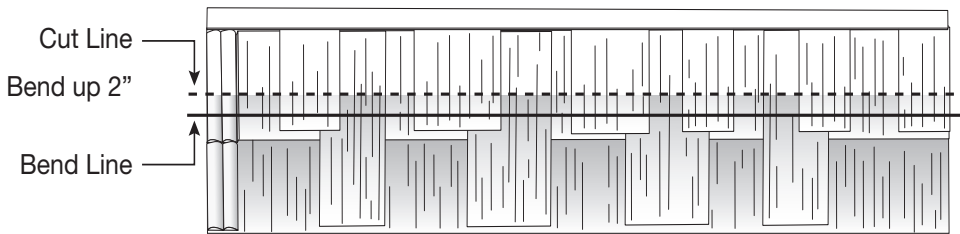
(F) Side Flashing
4" Face, "Z" Bar counter flashing



Waste: Roofs with long ridge runs can encounter high waste factors due to removal of top section of full panels at variable ridge course. See drawing below. Refer to chart for number of panels needed to cover rafter lengths and always round up.

Example: A 19' rafter and 42' eave will require 176 Shingle Plus panels (16 x 11).

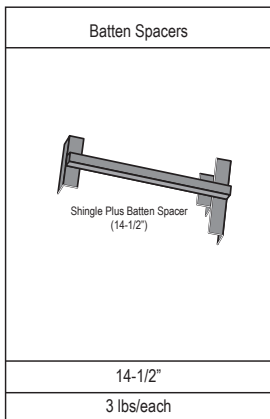
Cutting & Bending Ridge Panels



Shingle Plus Panels Needed

Rafter Length	Eave Length
1' 2"	1 4' 2"
2' 4.5"	2 8' 4"
3' 7"	3 12' 6"
4' 9.5"	4 16' 8"
6'	5 20' 10"
7' 2.5"	6 25'
8' 5"	7 29' 2"
9' 7.5"	8 33' 4"
10' 10"	9 37' 6"
12'	10 41' 8"
13' 3"	11 45' 10"
14' 5.5"	12 50'
15' 8"	13 54' 2"
16' 10.5"	14 58' 4"
18'	15 62' 6"
19' 3.5"	16 66' 8"
20' 6"	17 70' 10"
21' 8.5"	18 75'
22' 11"	19 79' 2"
24' 1.5"	20 83' 4"

Use as guide only



- ✓ Tin Snips
- ✓ Nail Gun
- ✓ Screw Gun
- ✓ Galvanized Pipe Jacks (No Lead)
- ✓ Batten Fasteners (16d Nails or 3-1/2" Screws)
- ✓ Tape Measure
- ✓ Circular Saw
- ✓ Roofing Grade Sealant/Adhesive
- ✓ Touch-Up Kits
- ✓ Observe Local Code Requirements