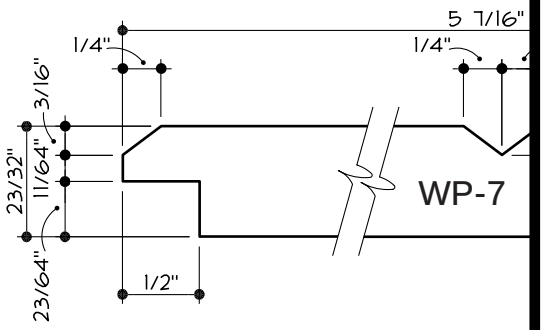

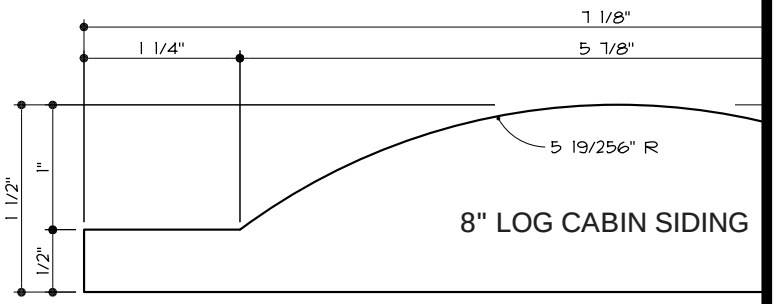

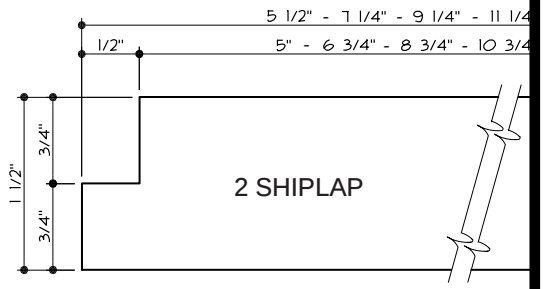

Western Wood Products Association

Standard Patterns

Western Wood Products Association

STANDARD PATTERNS

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All patterns depicted in this publication are drawn to scale and printed at 70% actual size.

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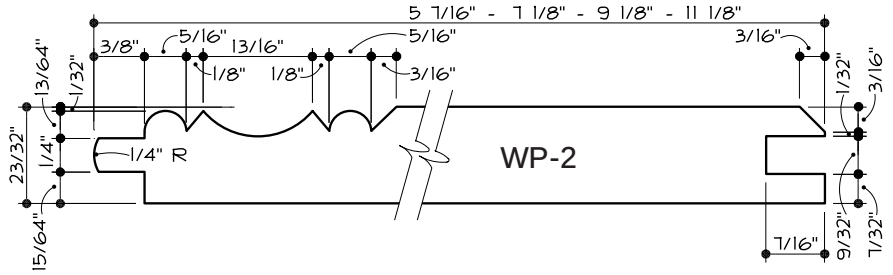
STANDARD PATTERNS LUMBER ABBREVIATIONS

BEV	Beveled
BEV SDG	Beveled siding
BS	Both sides
CB	Center Beaded
CB1S	Center bead one side
CB2S	Center bead two sides
CG	Center groove
CG2E	Center groove two edges
CLG	Ceiling
CM	Center matched
CS	Caulking seam
CSG	Casing
CV	Center Vee
CV1S	Center vee one side
CV2S	Center vee two sides
D2S	Dressed two sides
D4S	Dressed four sides
DB CLG	Double-beaded ceiling
DB PART	Double-beaded partition
DBL T&G	Double tongued & grooved
D&CM	Dressed & center matched
DKG	Decking
D/S,DS	Drop Siding
D S/L	Double shiplap
DVJM	Double vee-jointed matching
D&M	Dressed and matched
E	Edge
EB1S	Edge bead one side
EB2S	Edge bead two sides
E&CB2S	Edge & center bead two sides
EV1S	Edge vee one side
EV2S	Edge vee two sides
E&CV1S	Edge & center vee one side
E&CV2S	Edge & center vee two sides
EE	Eased Edges
EG	Edge (vertical) grain
EM	End matched
EV	Edge vee
FE	Feathered edge
FG	Flat (slash) grain
FLG	Flooring
F&G	Feathered & grooved
G1E	Grooved one edge
HB	Hollow back
MG	Mixed Grain
N	Nosed
N1E	Nosed one edge
N2E	Nosed two edges
OS	One side
PAT	Pattern
P1E	Planed one edge
P2E	Planed two edges
P1S	Planed one side
P2S	Planed two sides
P4S	Planed four sides
P1S1E	Planed one side one edge
P2S1E	Planed two sides one edge
P1S2E	Planed one side two edges
PAR	Planed all 'round
PART	Partition
PE	Planed edge
PPE	Planed plain edge
PSE	Planed square edge
PSJ	Planed and square jointed
PTG	Planed tongued and grooved
R&B	Rabbet & bead
S	Side, Surfaced
SB1S	Single bead one side
SDG	Siding
SG	Slash (flat) grain
S/L, or SL	Shiplap
SQ	Square
STPG	Stepping
S&E	Side & edge (surfaced on)
S1E	Surfaced one edge
S2E	Surfaced two edges
S1S	Surfaced one side
S4S	Surfaced four sides
S1S&CM	Surfaced one side & center matched
S2S&CM	Surfaced two sides & center matched
S4S&CS	Surfaced four sides & caulking seam
S1S1E	Surfaced one side one edge
S1S2E	Surfaced one side two edges
S2S1E	Surfaced two sides one edge
S4SEE	Surfaced four sides eased edges
T&G	Tongued and grooved
TG&B	Tongued, grooved, and beaded
TG&V	Tongued, grooved, and vee-jointed
T1E	Tongued one edge
UE	Unedged
VG	Vertical grain
VJM	Vee-joint matching

Paneling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5/16"
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5/16"
3/16"
1/8"
1/8"
3/16"
13/64"
1/32"
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1/4"
1/4" R
WP-2
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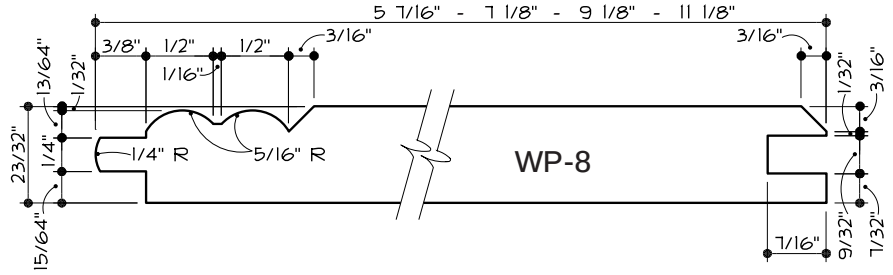
7/16"
9/32"
1/32"
3/16"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1/2"
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1/16"
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1/32"
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WP-8
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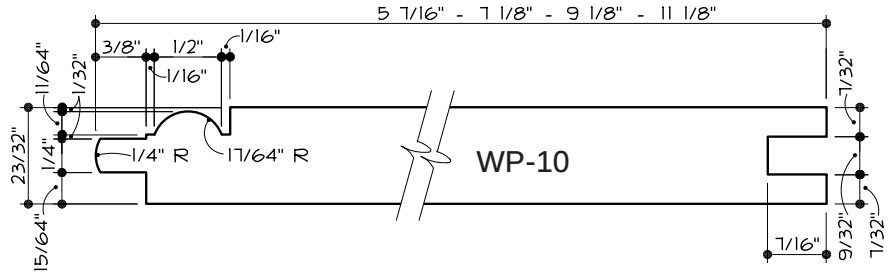
1/32"
3/16"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1/4" R
17/64" R
WP-10
15/64"
7/16"
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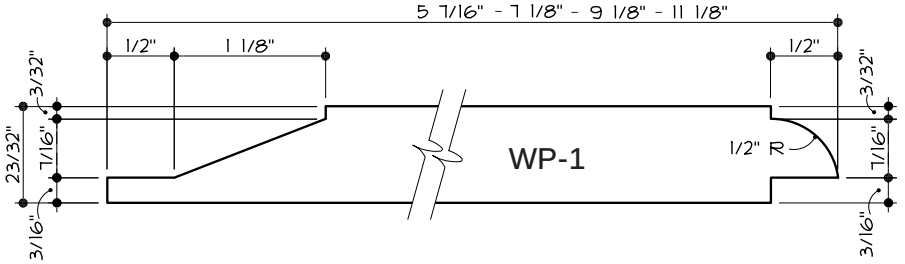
1/32"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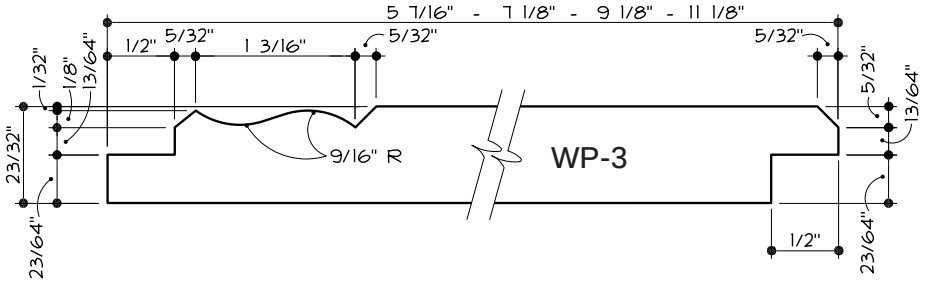
7/16"
1/2" R
WP-1
3/16"
7/16"
3/32"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9/16" R
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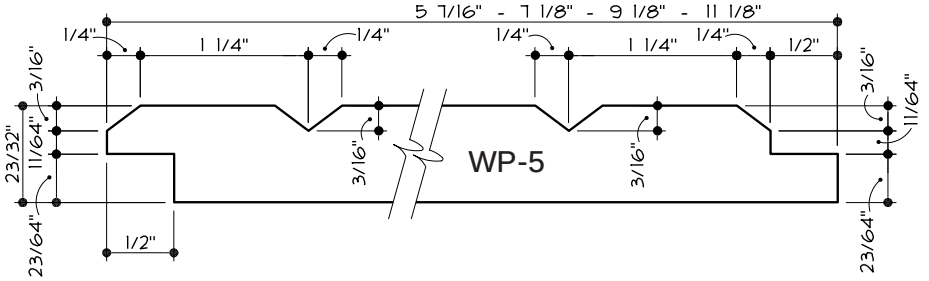
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1 1/4"
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1/4"
1 1/4"
1/4"
1/2"
3/16"
11/64"
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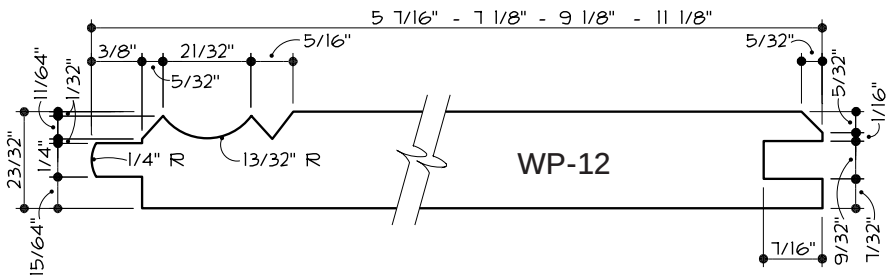
3/16"
3/16"
WP-5
23/64"
1/2"
3/16"
11/64"

Paneling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5/32"
5/32"
11/64"
1/32"
23/32"
1/4"
15/64"
1/4" R
13/32" R
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1/16"
7/16"
9/32"
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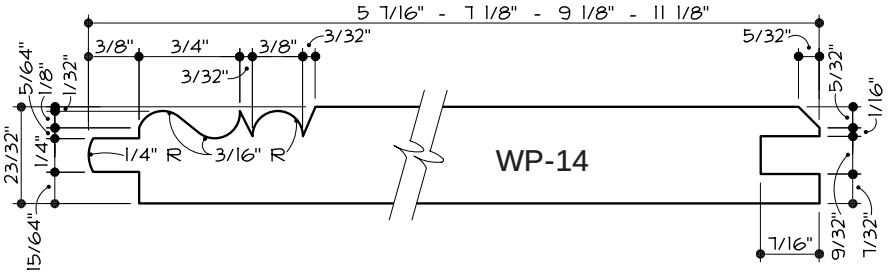
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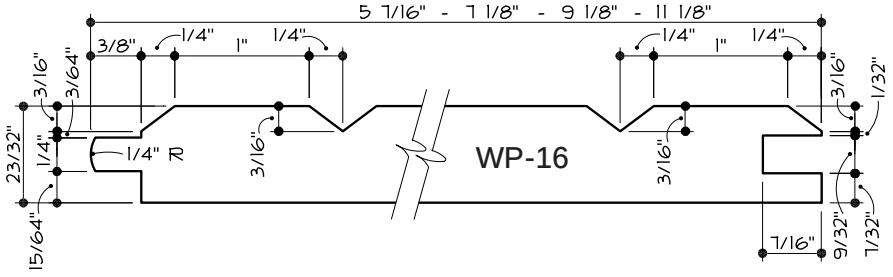
3/4"
3/8"
3/32"
3/32"
5/32"
5/32"
5/64"
1/8"
1/32"
23/32"
1/4"
15/64"
1/4" R
3/16" R
WP-14
1/16"
7/16"
9/32"
1/32"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1/4"
1"
1/4"
1/4"
1"
1/4"
3/16"
3/64"
23/32"
1/4"
15/64"
1/4" R
3/16"
3/16"
WP-16
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1/32"
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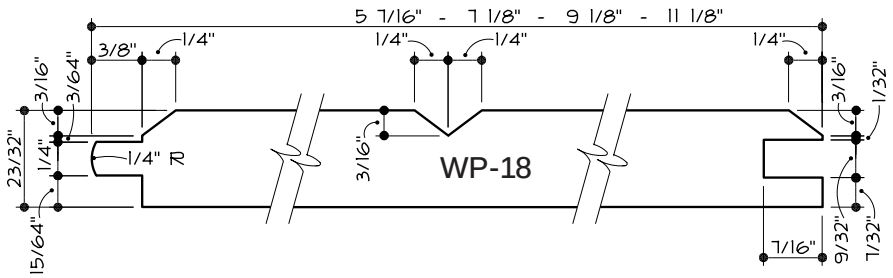
9/32"
1/32"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1/4"
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1/4"
1/4"
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3/64"
23/32"
1/4"
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1/4" R
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WP-18
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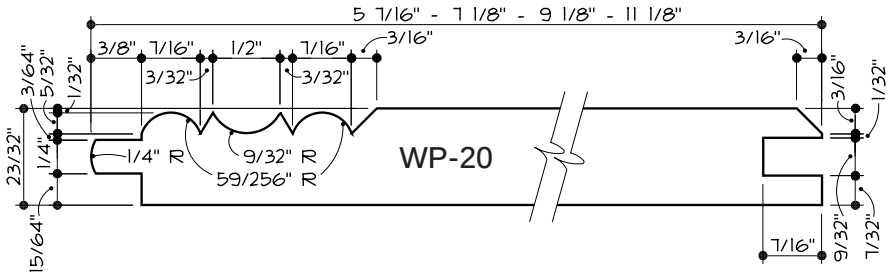
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3/32"
3/32"
3/64"
5/32"
1/32"
23/32"
1/4"
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9/32" R
59/256" R
WP-20
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1/32"
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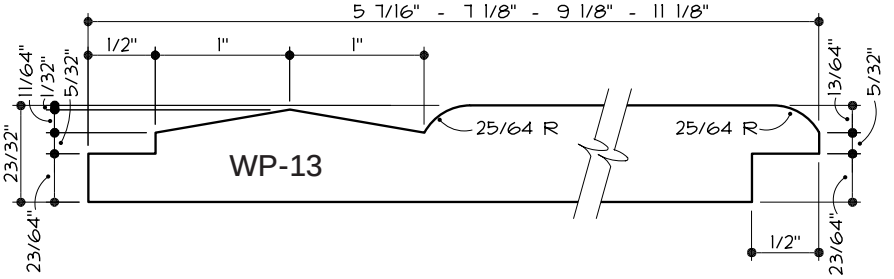
5 7/16" - 7 1/8" - 9 1/8" - 11 1/8"
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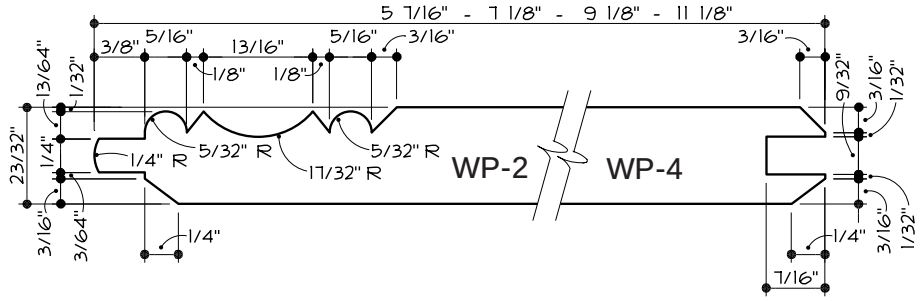
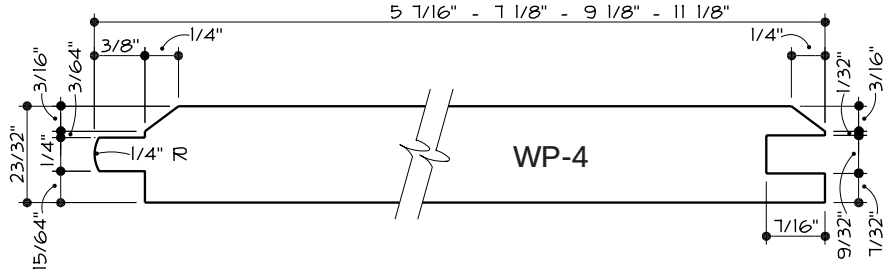
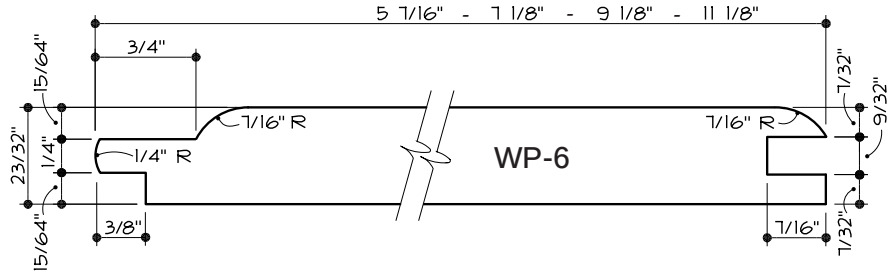
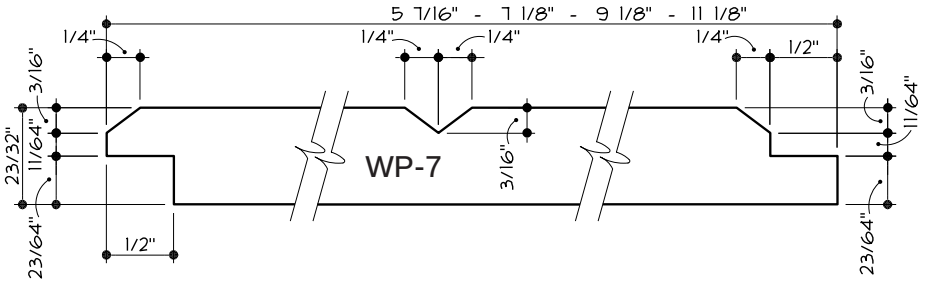
1"
11/64"
1/32"
5/32"
23/32"
23/64"
25/64 R
25/64 R
WP-13
13/64"
5/32"
1/2"
23/64"

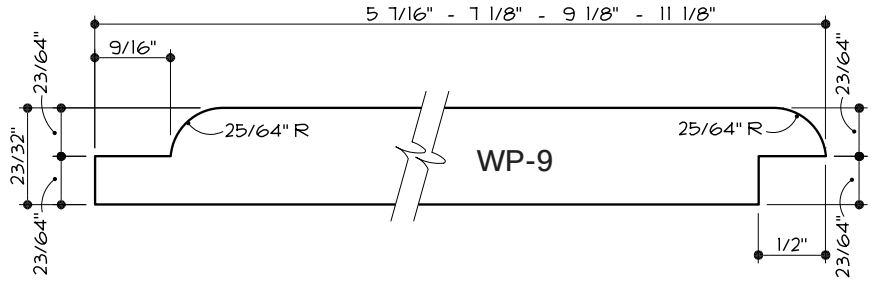
Paneling and Siding

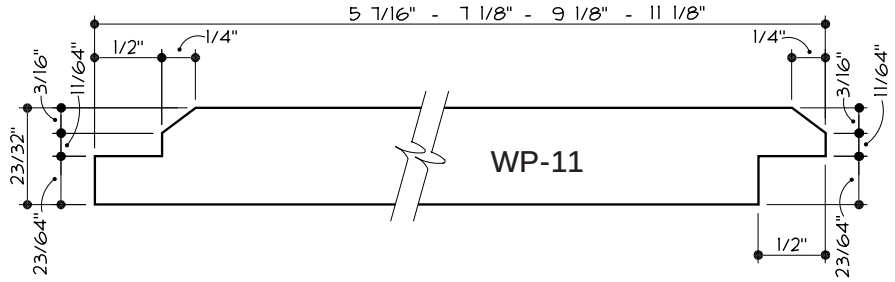












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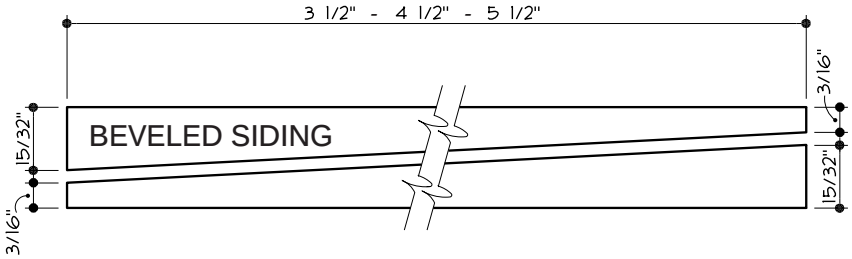
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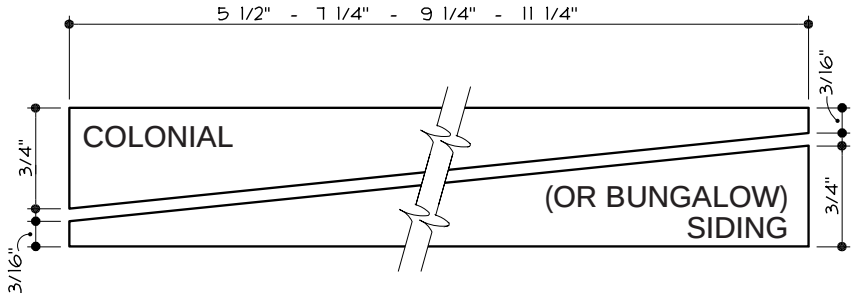
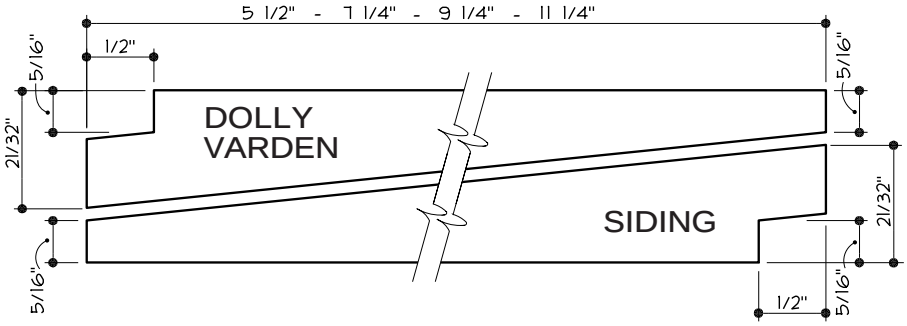
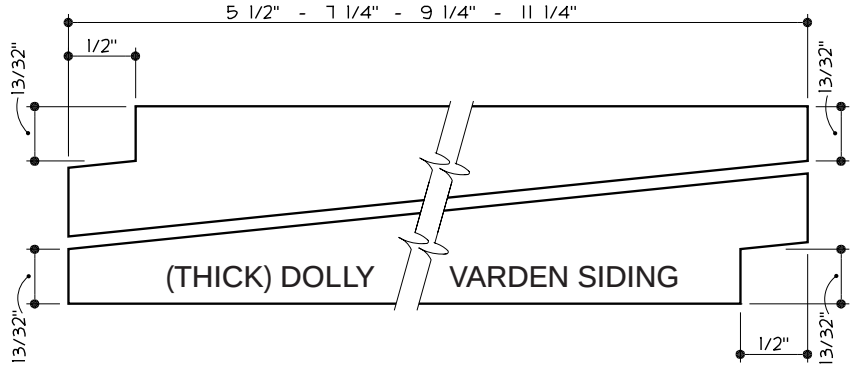
BEVELED SIDING
15/32"
3/16"
3/16"
15/32"


5 1/2" - 7 1/4" - 9 1/4" - 11 1/4"
COLONIAL
(OR BUNGALOW)
SIDING
3/4"
3/16"
3/16"
3/4"


5 1/2" - 7 1/4" - 9 1/4" - 11 1/4"
1/2"
DOLLY
VARDEN
SIDING
5/16"
21/32"
5/16"
5/16"
21/32"
5/16"
1/2"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(THICK) DOLLY
VARDEN SIDING
13/32"
13/32"
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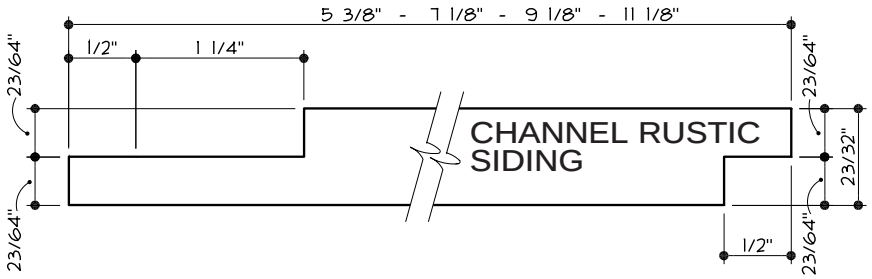
13/32"
1/2"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CHANNEL RUSTIC
SIDING
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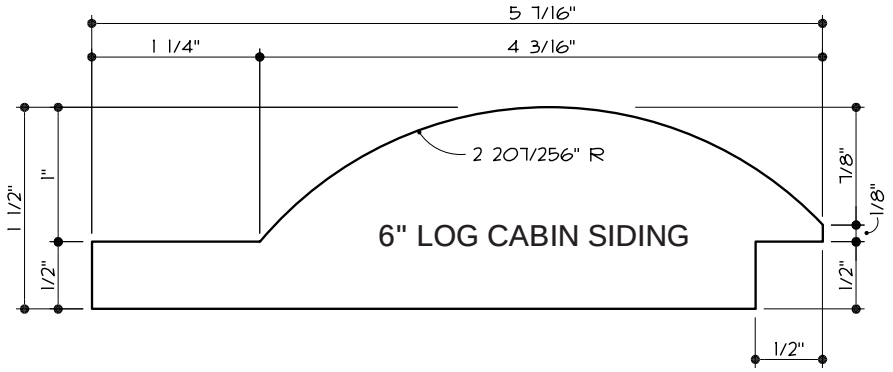
23/64"
23/64"
23/32"
1/2"

Siding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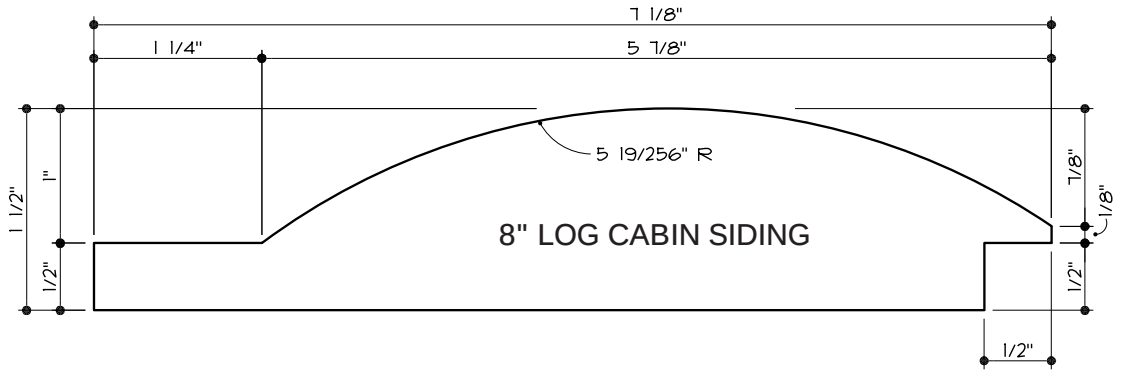
4 3/16"
2 207/256" R
1 1/2"
1"
1/2"
7/8"
1/8"
1/2"
6" LOG CABIN SIDING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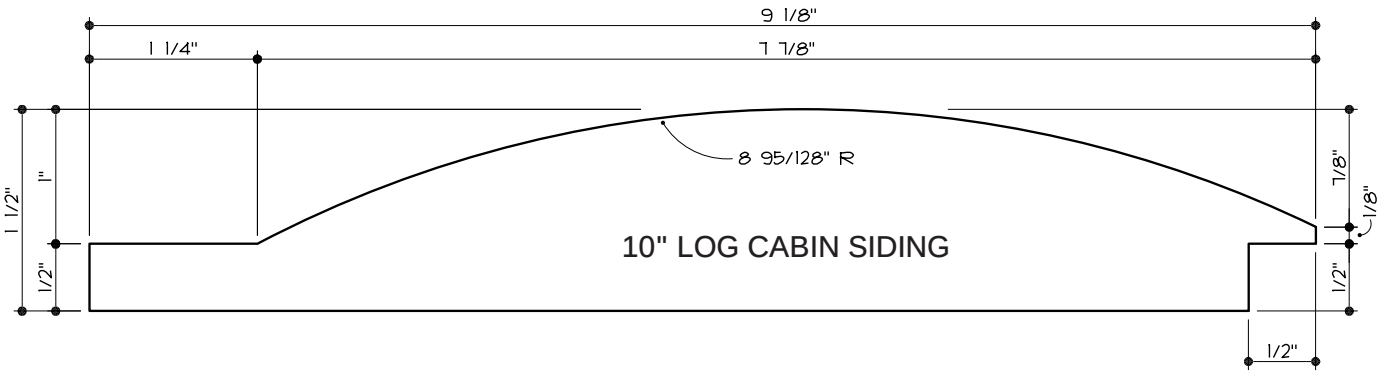
1 1/4"
5 7/8"
5 19/256" R
1 1/2"
1"
1/2"
7/8"
1/8"
1/2"
8" LOG CABIN SIDING


9 1/8"
1 1/4"
7 7/8"
8 95/128" R
1 1/2"
1"
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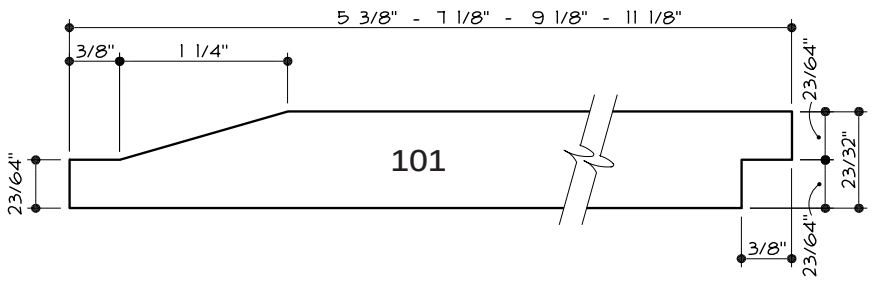
7/8"
1/8"
1/2"
10" LOG CABIN SIDING

Siding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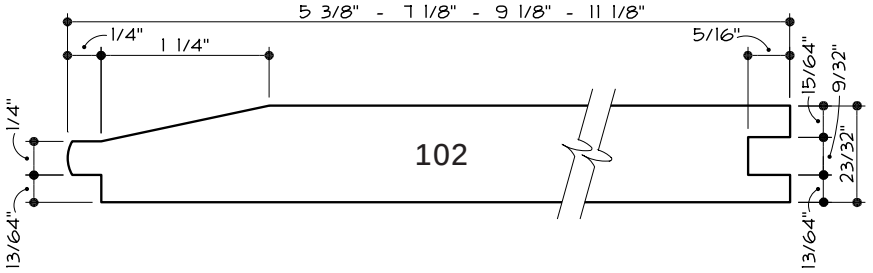
3/8"
1 1/4"
23/64"
23/32"
101
3/8"


5 3/8" - 7 1/8" - 9 1/8" - 11 1/8"
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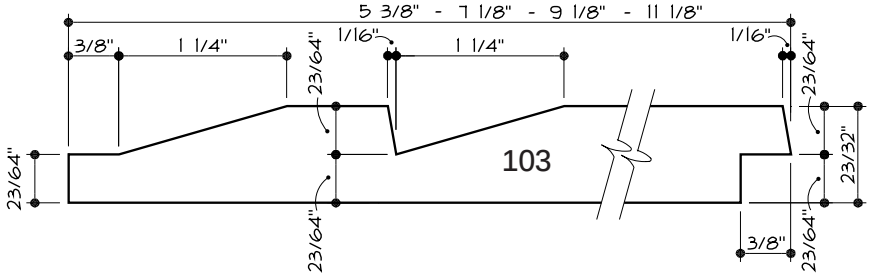
23/32"
13/64"
102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3/8"
1 1/4"
1/16"
1 1/4"
1/16"
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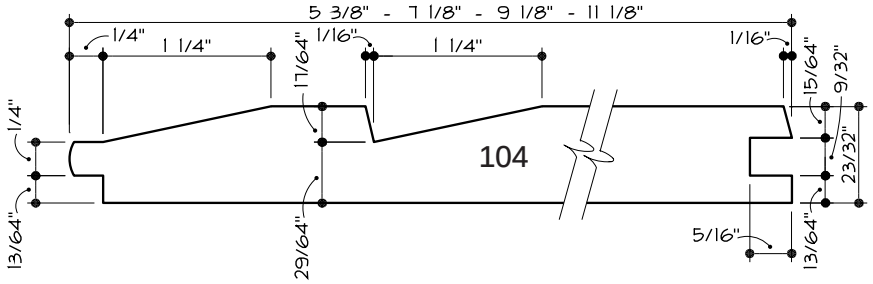
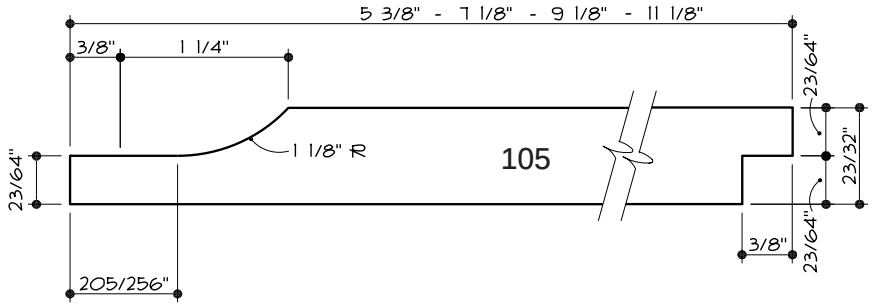
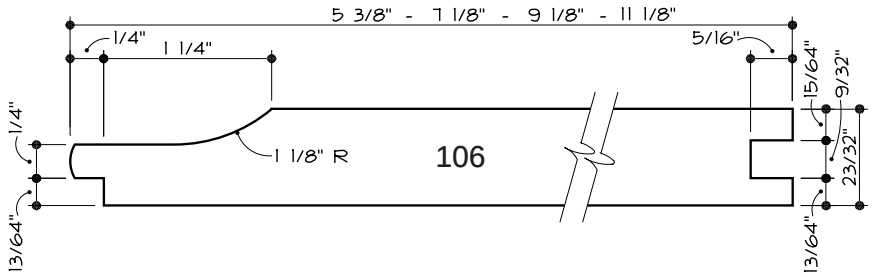
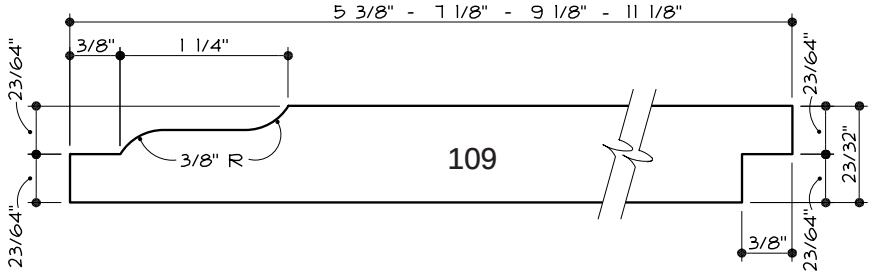
23/32"
103
3/8"

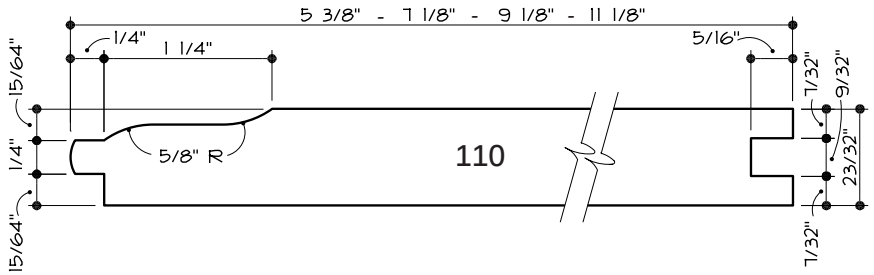

5 3/8" - 7 1/8" - 9 1/8" - 11 1/8"
1/4"
1 1/4"
1/16"
1 1/4"
1/16"
17/64"
15/64"
9/32"
23/32"
13/64"
104
29/64"
5/16"

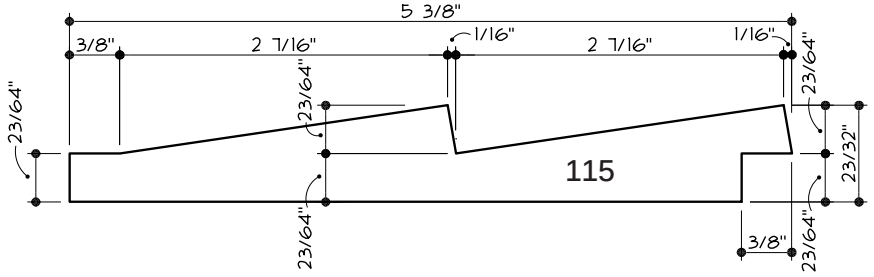

5 3/8" - 7 1/8" - 9 1/8" - 11 1/8"
3/8"
1 1/4"
23/64"
23/32"
1 1/8" R
105
3/8"
205/256"

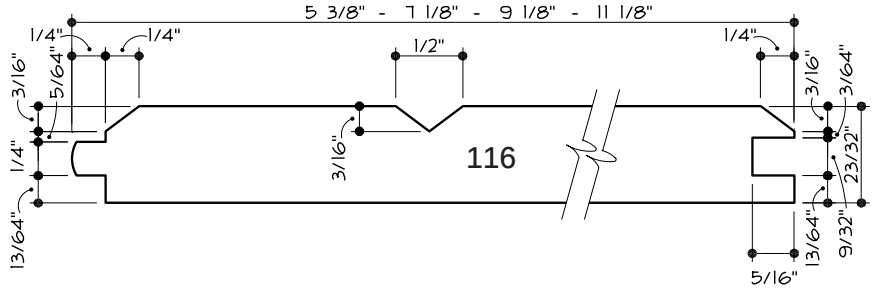
Siding


5 3/8" - 7 1/8" - 9 1/8" - 11 1/8"
1/4"
1 1/4"
5/16"
15/64"
9/32"
1/4"
1 1/8" R
106
23/32"
13/64"
13/64"

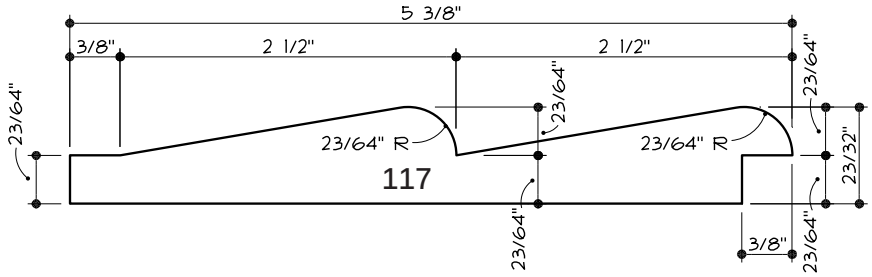

5 3/8" - 7 1/8" - 9 1/8" - 11 1/8"
3/8"
1 1/4"
23/64"
23/64"
3/8" R
109
23/32"
23/64"
23/64"
3/8"

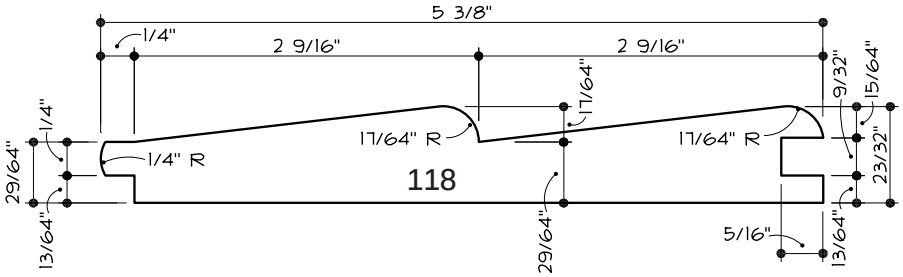

5 3/8" - 7 1/8" - 9 1/8" - 11 1/8"
1/4"
1 1/4"
5/16"
15/64"
7/32"
9/32"
1/4"
5/8" R
110
23/32"
15/64"
7/32"

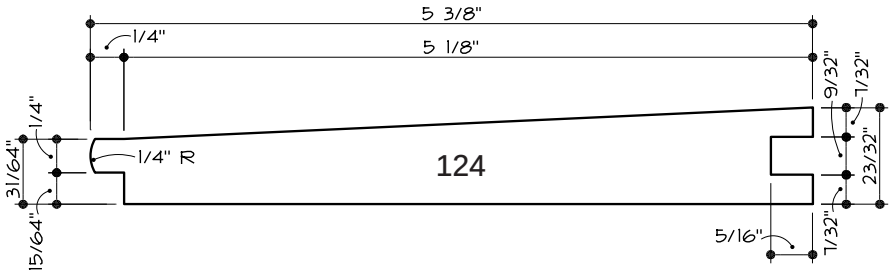

5 3/8"
3/8"
2 7/16"
1/16"
2 7/16"
1/16"
23/64"
23/64"
23/64"
115
23/32"
23/64"
23/64"
3/8"

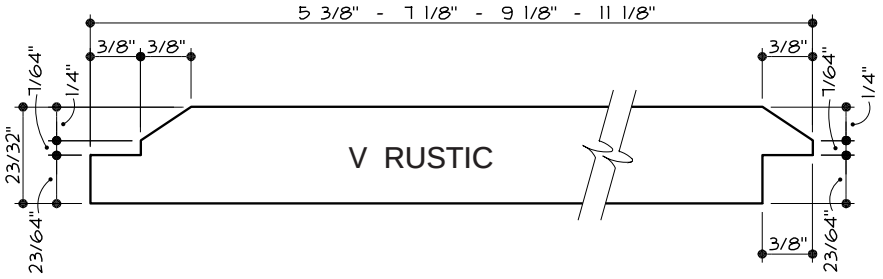

5 3/8" - 7 1/8" - 9 1/8" - 11 1/8"
1/4"
1/4"
1/2"
1/4"
3/16"
5/64"
3/16"
3/64"
1/4"
3/16"
116
23/32"
13/64"
9/32"
13/64"
5/16"

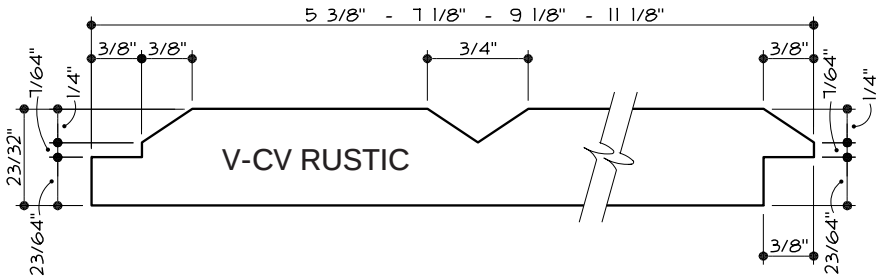
Siding


5 3/8"
3/8"
2 1/2"
2 1/2"
23/64"
23/64"
23/64" R
23/64" R
23/64"
23/64"
23/64"
23/32"
3/8"
117

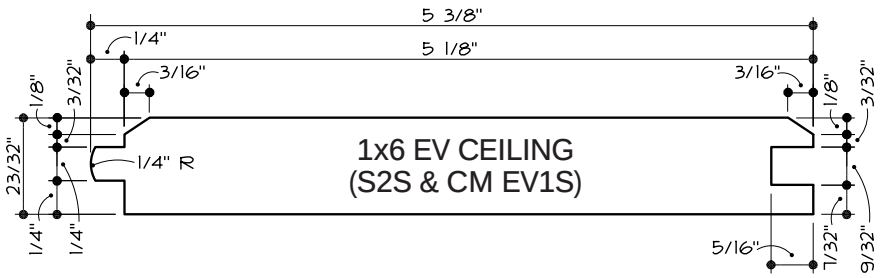

5 3/8"
1/4"
2 9/16"
2 9/16"
17/64"
17/64" R
17/64" R
9/32"
15/64"
1/4"
1/4" R
29/64"
13/64"
29/64"
5/16"
13/64"
23/32"
118


5 3/8"
1/4"
5 1/8"
9/32"
1/32"
1/4"
1/4" R
31/64"
15/64"
5/16"
1/32"
23/32"
124

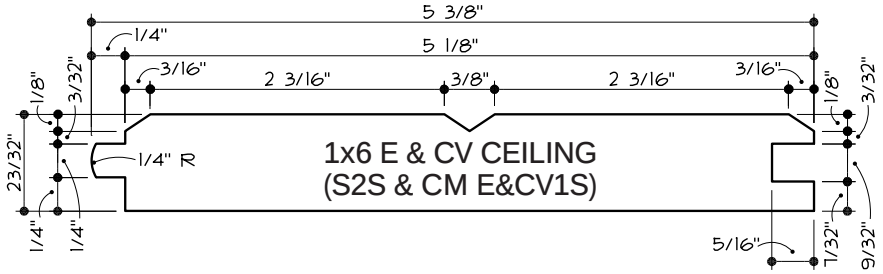

5 3/8" - 7 1/8" - 9 1/8" - 11 1/8"
3/8"
3/8"
3/8"
7/64"
1/4"
7/64"
1/4"
23/32"
23/64"
23/64"
3/8"
3/8"
V RUSTIC


5 3/8" - 7 1/8" - 9 1/8" - 11 1/8"
3/8"
3/8"
3/4"
3/8"
7/64"
1/4"
7/64"
1/4"
23/32"
23/64"
23/64"
3/8"
3/8"
V-CV RUSTIC

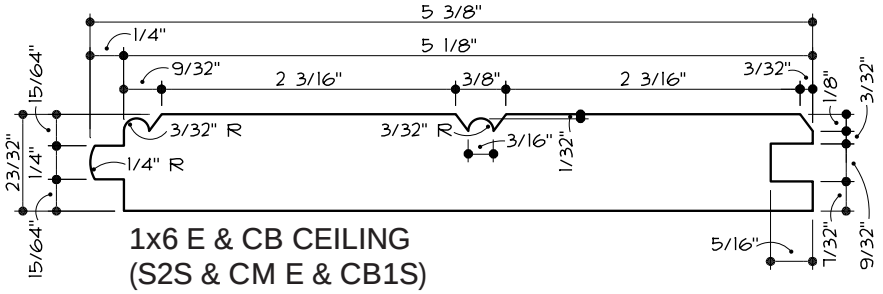
Ceiling



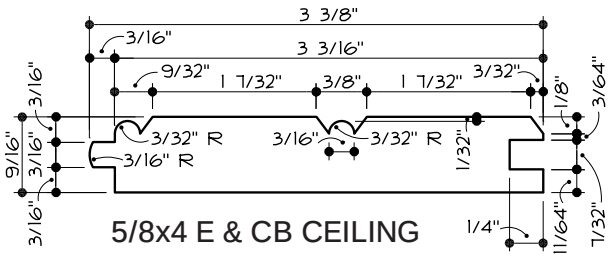
1x6 EV CEILING
(S2S & CM EV1S)



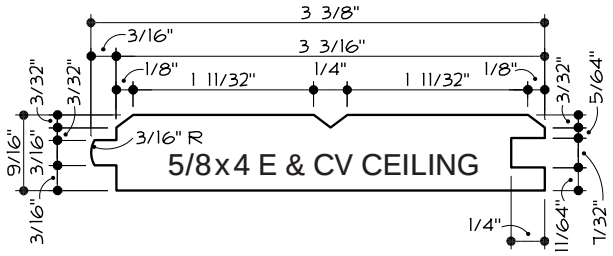
1x6 E & CV CEILING
(S2S & CM E&CV1S)



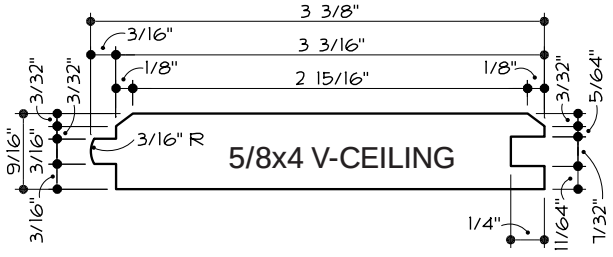
1x6 E & CB CEILING
(S2S & CM E & CB1S)



5/8x4 E & CB CEILING

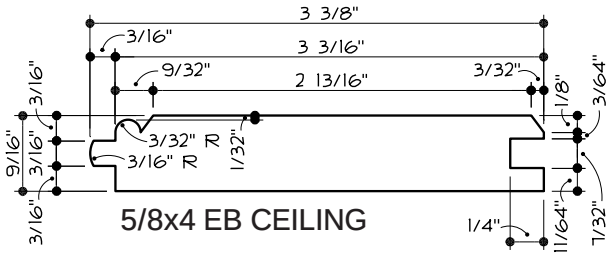


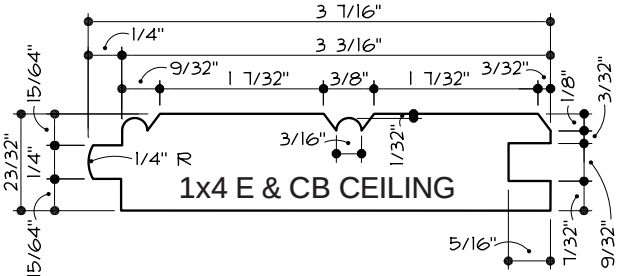
5/8x4 E & CV CEILING

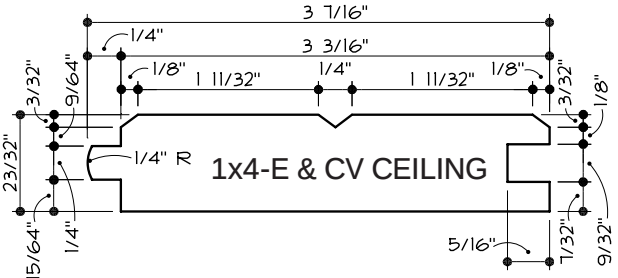


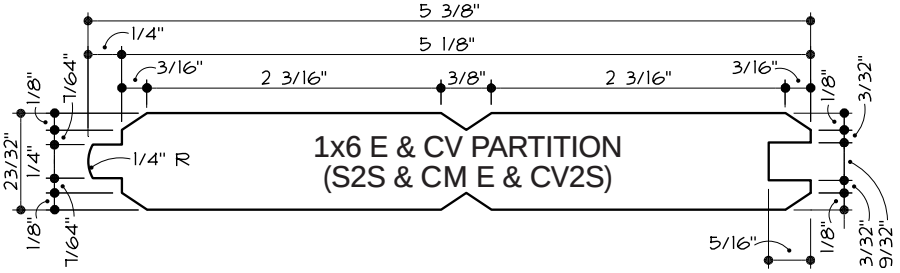
5/8x4 V-CEILING

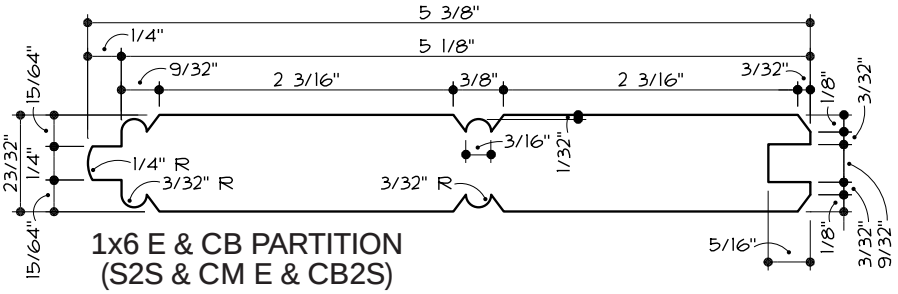
Ceiling and Partition

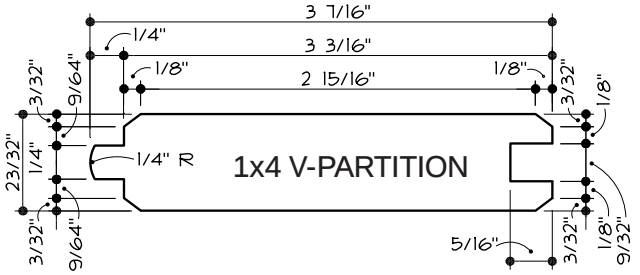




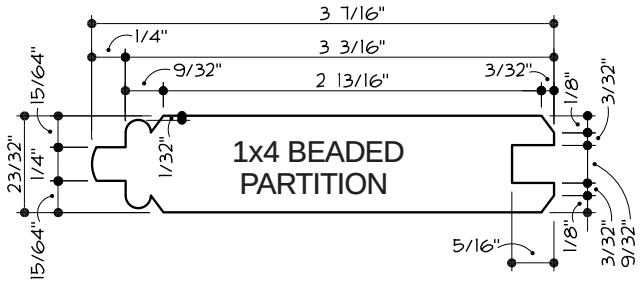


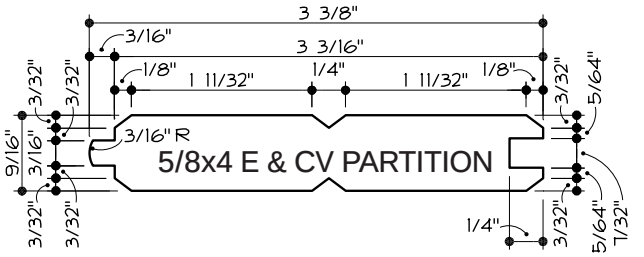


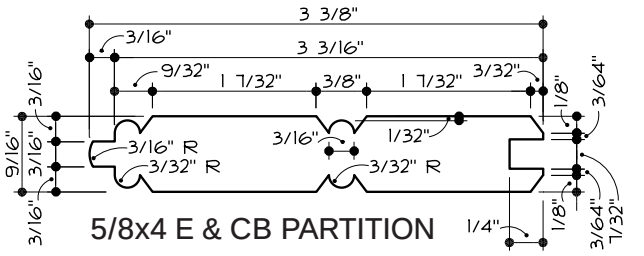


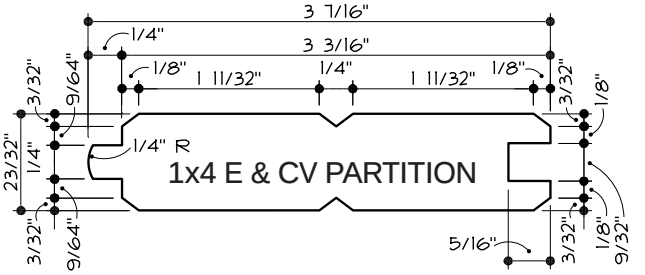


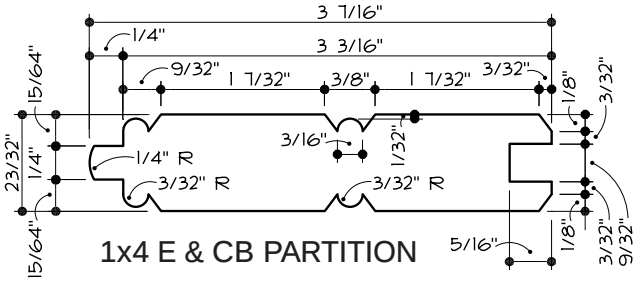
Partition

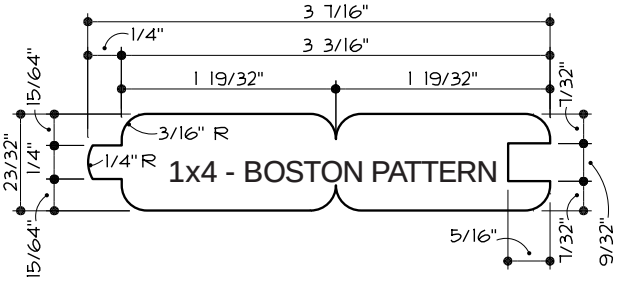

3 7/16"
1/4"
3 3/16"
9/32"
2 13/16"
3/32"
1/8"
3/32"
15/64"
23/32"
1/4"
15/64"
1/32"
1x4 BEADED
PARTITION
5/16"
1/8"
3/32"
9/32"


3 3/8"
3/16"
3 3/16"
1/8"
1 11/32"
1/4"
1 11/32"
1/8"
3/32"
3/32"
5/64"
9/16"
3/16"
3/16" R
5/8x4 E & CV PARTITION
3/32"
3/32"
1/4"
3/32"
5/64"
1/32"

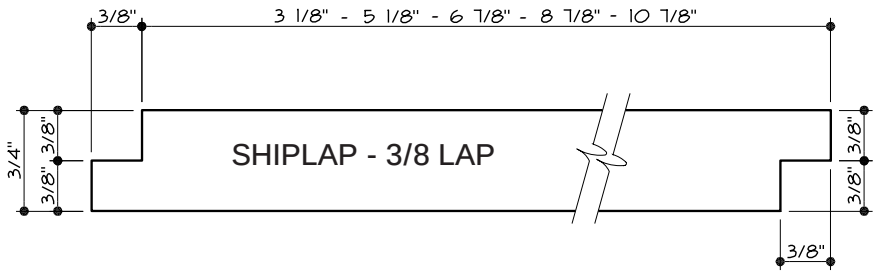

3 3/8"
3/16"
3 3/16"
9/32"
1 7/32"
3/8"
1 7/32"
3/32"
1/8"
3/64"
3/16"
9/16"
3/16"
3/16" R
3/32" R
3/16"
1/32"
3/32" R
5/8x4 E & CB PARTITION
3/16"
1/4"
1/8"
3/64"
1/32"

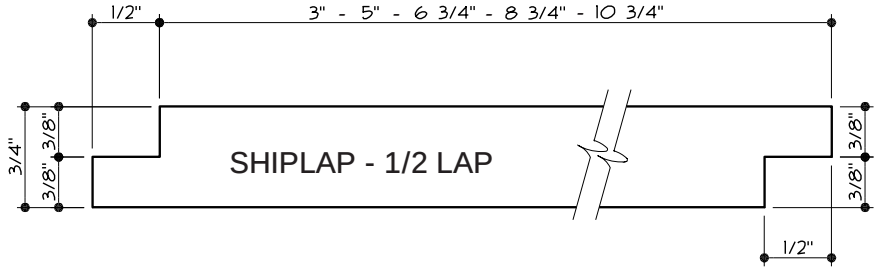

3 7/16"
1/4"
3 3/16"
1/8"
1 11/32"
1/4"
1 11/32"
1/8"
3/32"
3/32"
9/64"
1/8"
23/32"
1/4"
1/4" R
1x4 E & CV PARTITION
3/32"
9/64"
5/16"
3/32"
1/8"
9/32"

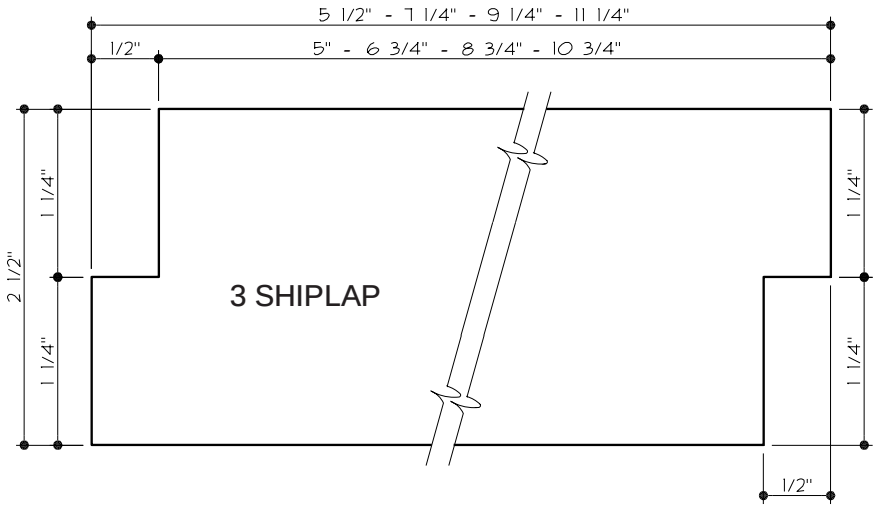

3 7/16"
1/4"
3 3/16"
9/32"
1 7/32"
3/8"
1 7/32"
3/32"
1/8"
3/32"
15/64"
3/16"
1/32"
23/32"
1/4"
1/4" R
3/32" R
3/32" R
15/64"
1x4 E & CB PARTITION
5/16"
1/8"
3/32"
9/32"

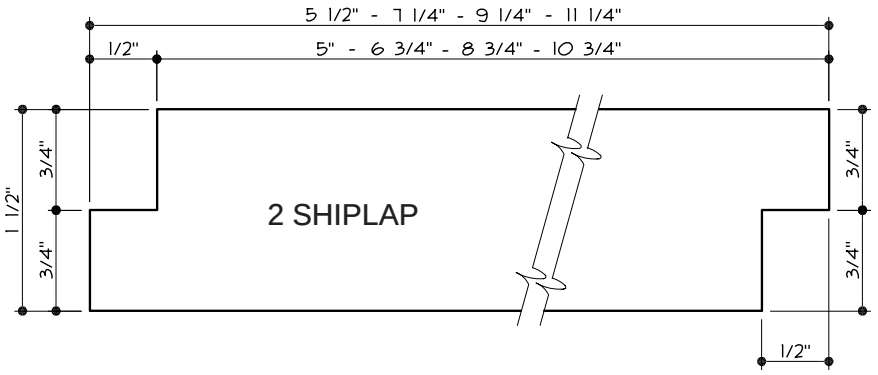

3 7/16"
1/4"
3 3/16"
1 19/32"
1 19/32"
1/32"
15/64"
3/16" R
23/32"
1/4"
1/4" R
1x4 - BOSTON PATTERN
15/64"
5/16"
1/32"
9/32"

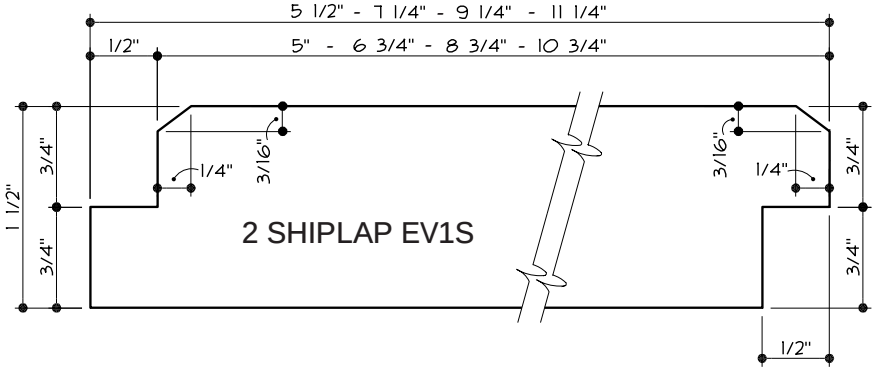
Shiplap


3/8"
3 1/8" - 5 1/8" - 6 7/8" - 8 7/8" - 10 7/8"
SHIPLAP - 3/8 LAP
3/4"
3/8"
3/8"
3/8"
3/8"
3/8"

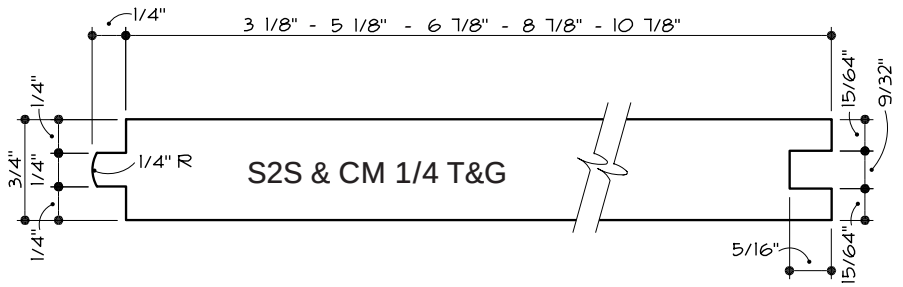

1/2"
3" - 5" - 6 3/4" - 8 3/4" - 10 3/4"
SHIPLAP - 1/2 LAP
3/4"
3/8"
3/8"
3/8"
3/8"
1/2"

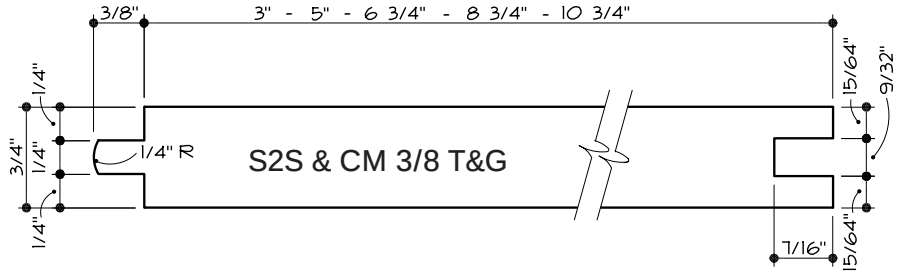

5 1/2" - 7 1/4" - 9 1/4" - 11 1/4"
1/2"
5" - 6 3/4" - 8 3/4" - 10 3/4"
3 SHIPLAP
2 1/2"
1 1/4"
1 1/4"
1 1/4"
1 1/4"
1/2"

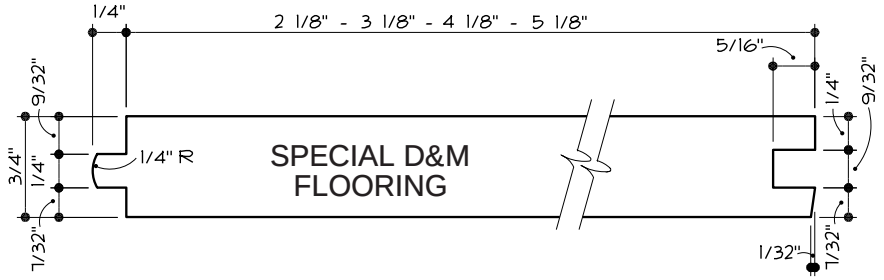

5 1/2" - 7 1/4" - 9 1/4" - 11 1/4"
1/2"
5" - 6 3/4" - 8 3/4" - 10 3/4"
2 SHIPLAP
1 1/2"
3/4"
3/4"
3/4"
3/4"
1/2"

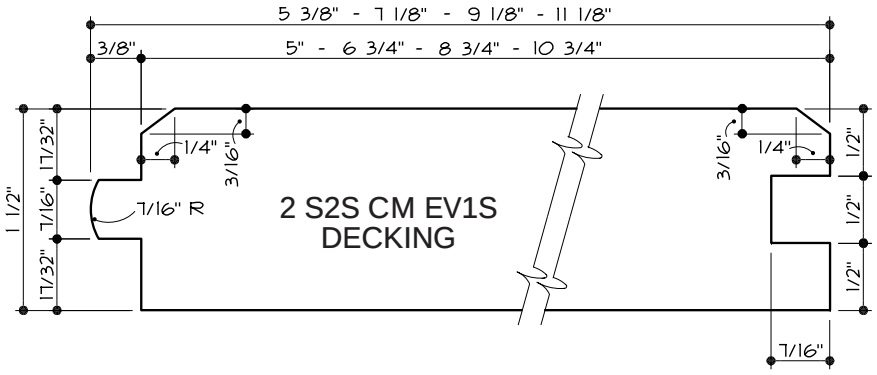

5 1/2" - 7 1/4" - 9 1/4" - 11 1/4"
1/2"
5" - 6 3/4" - 8 3/4" - 10 3/4"
2 SHIPLAP EV1S
1 1/2"
3/4"
3/4"
1/4"
3/16"
3/16"
1/4"
3/4"
3/4"
1/2"

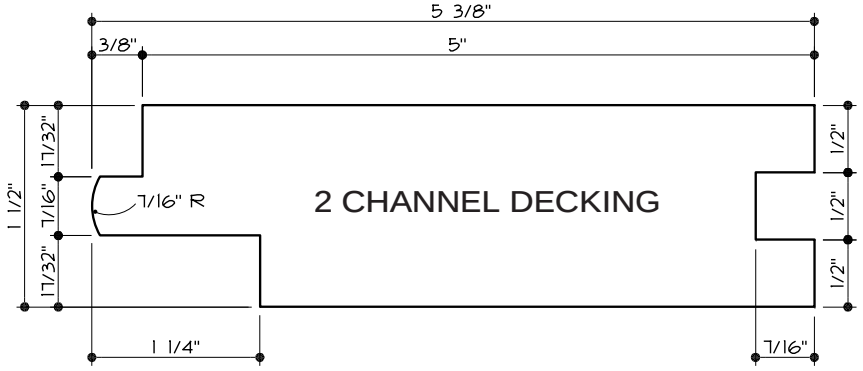
Tongued & Grooved, Decking



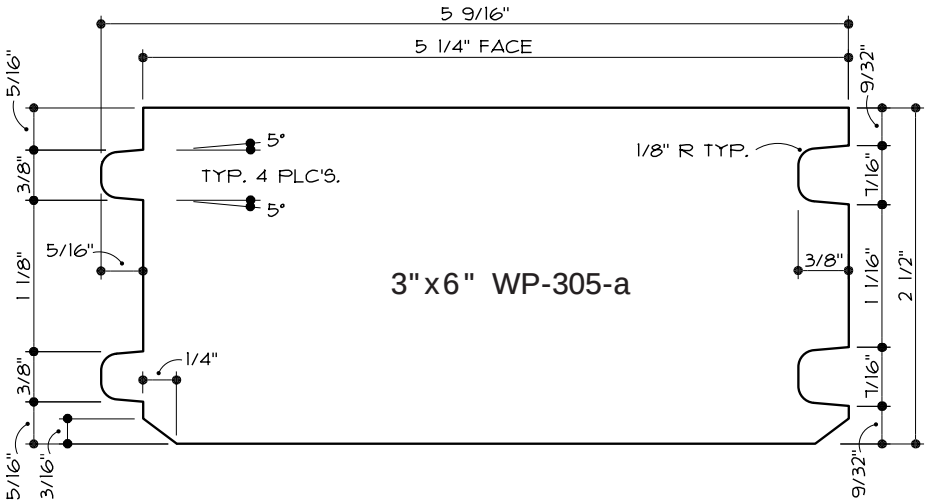








Decking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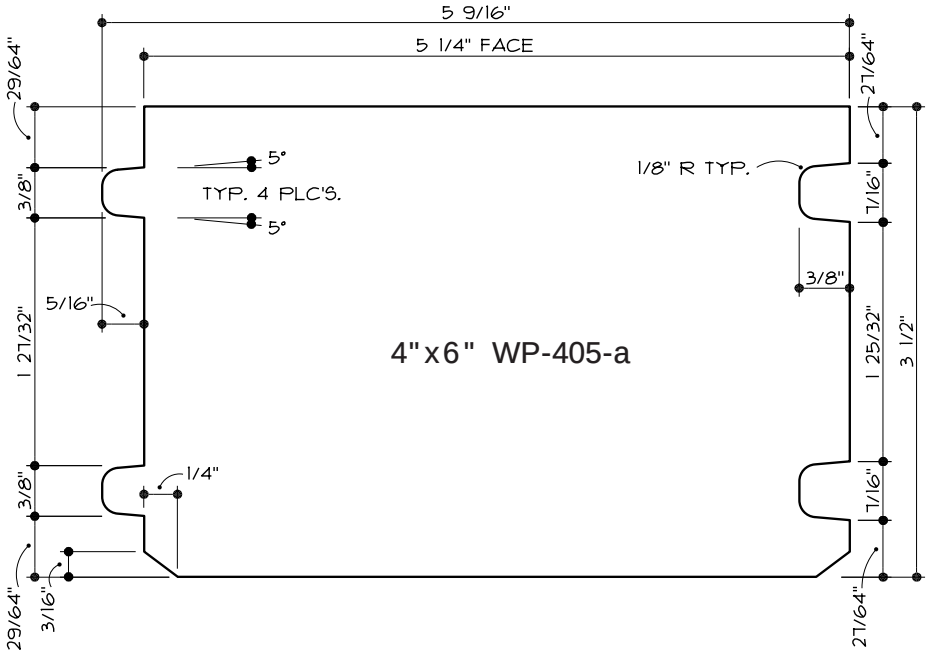
5 1/4" FACE
5/16"
3/8"
1 1/8"
3/8"
5/16"
3/16"
5°
TYP. 4 PLC'S.
5°
5/16"
1/4"
1/8" R TYP.
9/32"
7/16"
1 1/16"
7/16"
9/32"
3/8"
2 1/2"
3"x6" WP-305-a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3/16"
5°
TYP. 4 PLC'S.
5°
5/16"
1/4"
1/8" R TYP.
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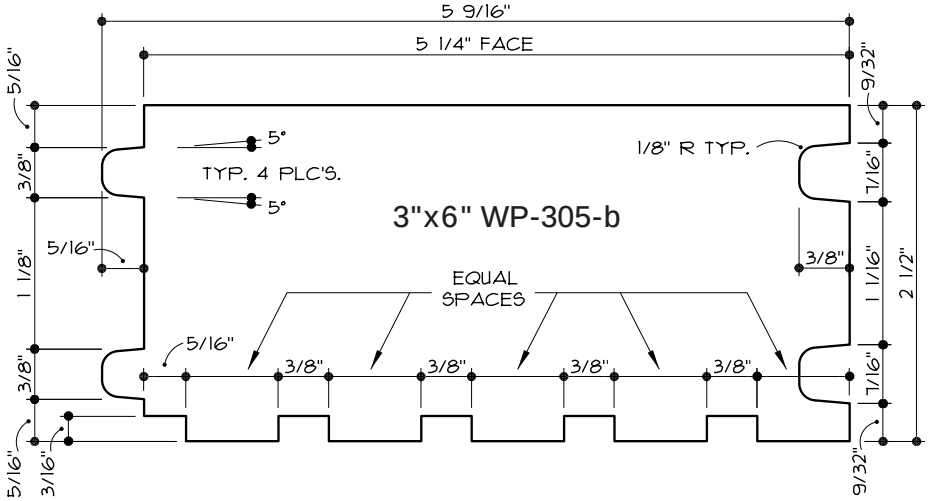
27/64"
3 1/2"
4"x6" WP-405-a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3/16"
5°
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5°
5/16"
EQUAL
SPACES
3/8"
3/8"
3/8"
3/8"
1/8" R TYP.
9/32"
7/16"
1 1/16"
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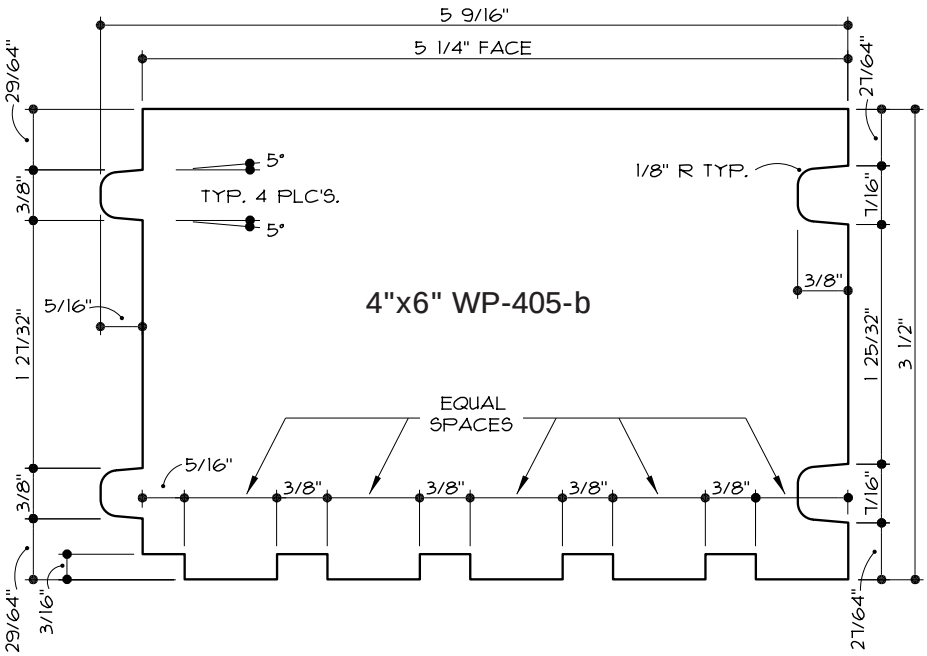
9/32"
3/8"
2 1/2"
3"x6" WP-305-b

Decking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7/16"
3/8"
5/16"
4"x6" WP-405-b
1 27/32"
1 25/32"
3 1/2"
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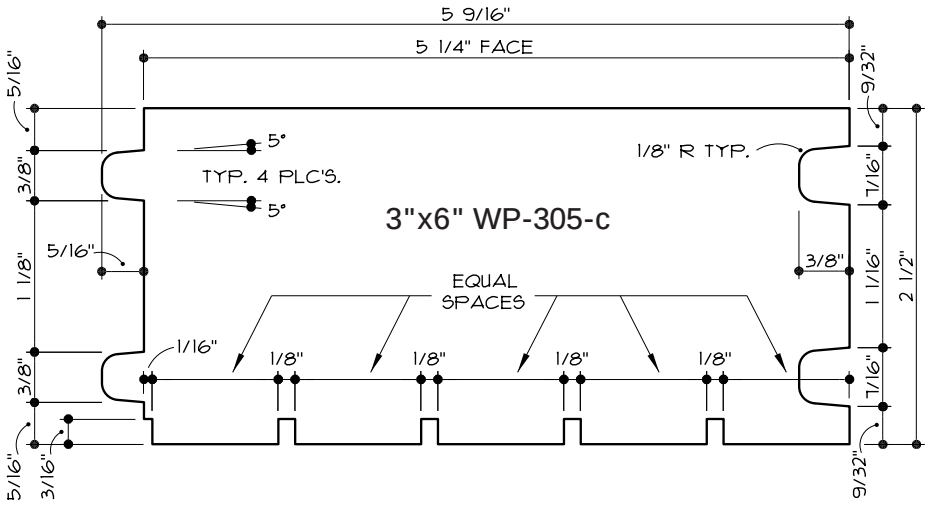
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3"x6" WP-305-c
5/16"
3/8"
1 1/8"
1 1/16"
2 1/2"
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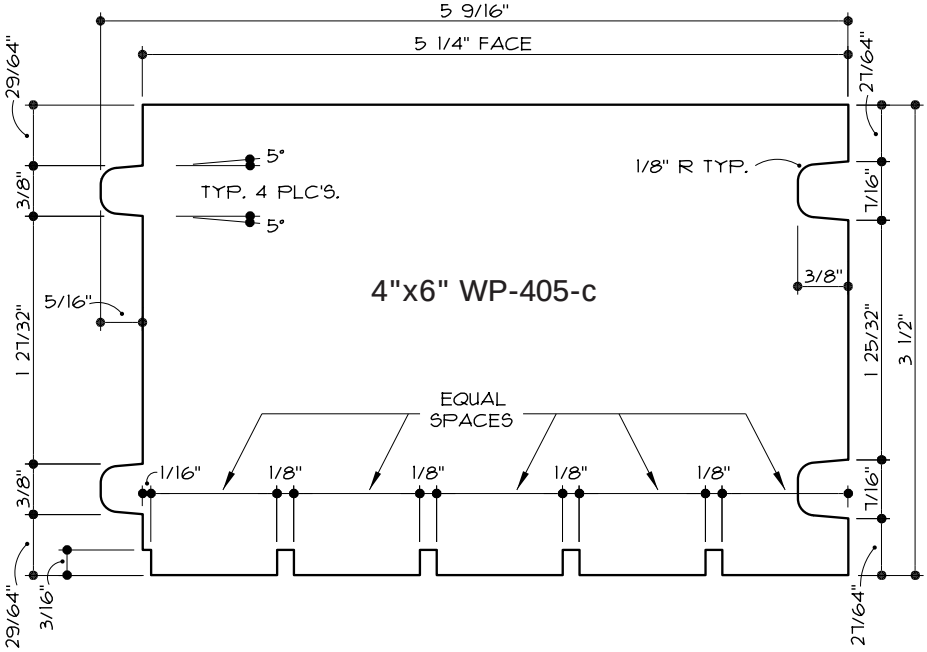
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3/8"
5/16"
4"x6" WP-405-c
1 27/32"
1 25/32"
3 1/2"
EQUAL SPACES
1/16"
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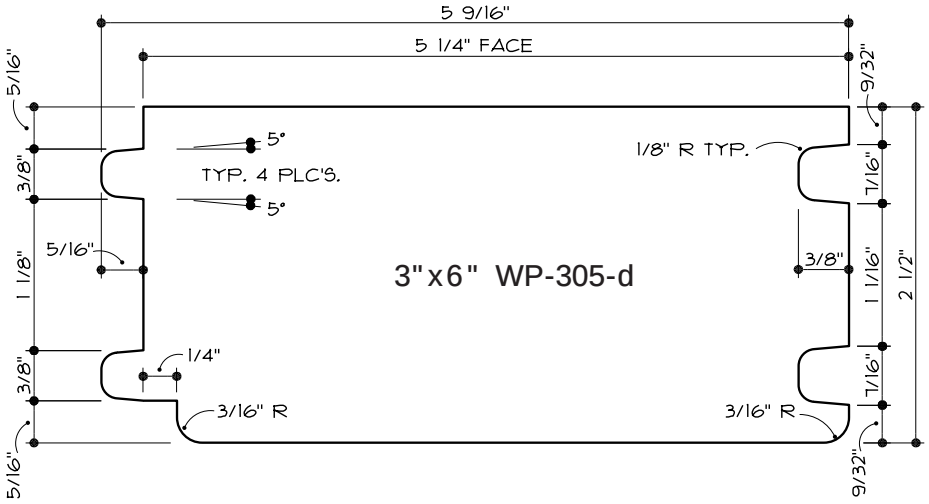
Decking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1 1/16"
2 1/2"
7/16"
9/32"
5°
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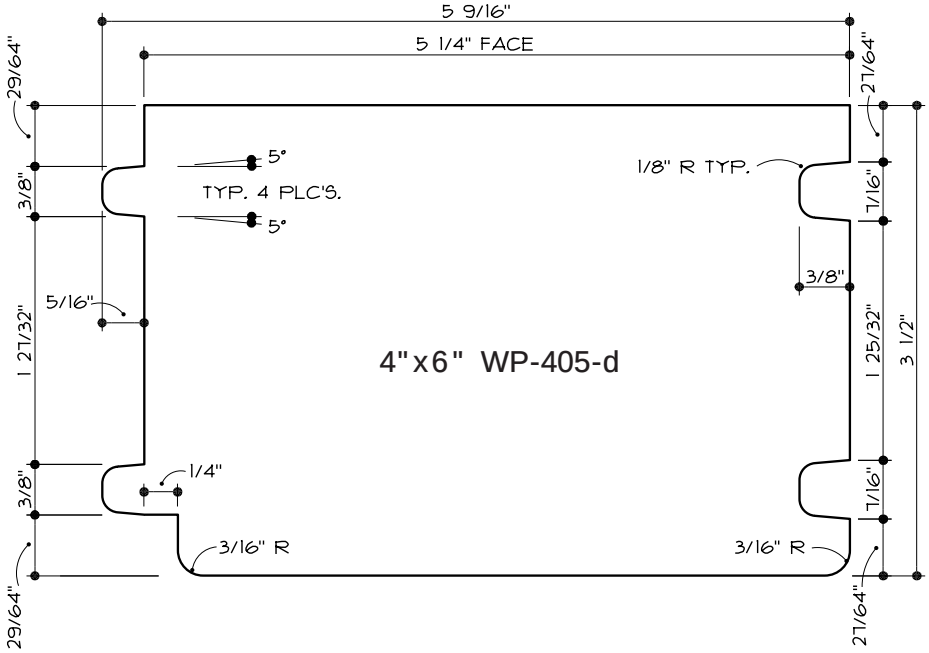
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1 25/32"
3 1/2"
7/16"
27/64"
5°
TYP. 4 PLC'S.
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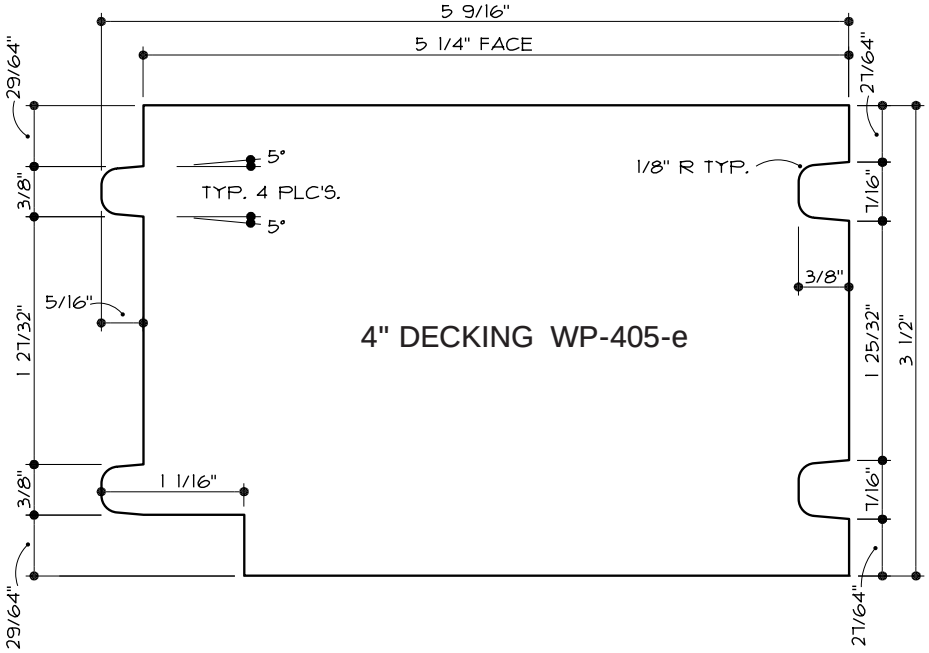
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1 25/32"
3 1/2"
7/16"
27/64"
5°
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1/8" R TYP.
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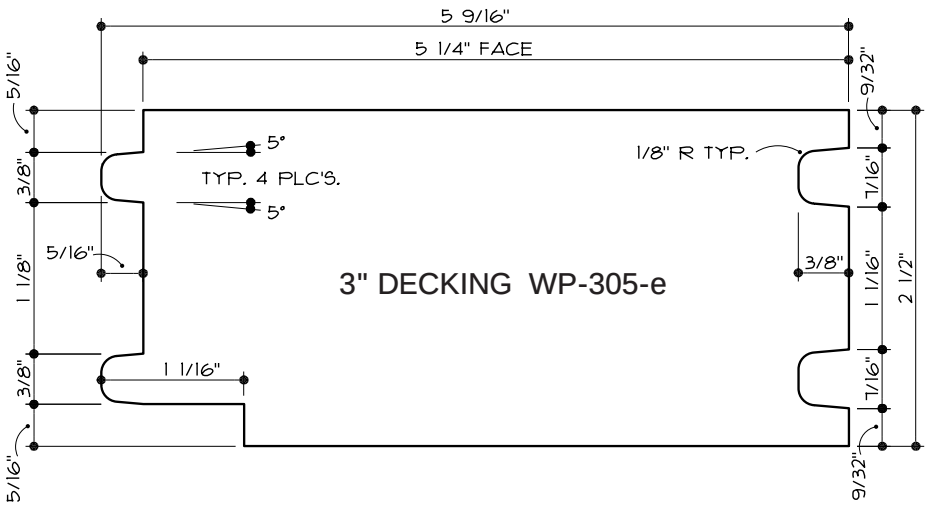
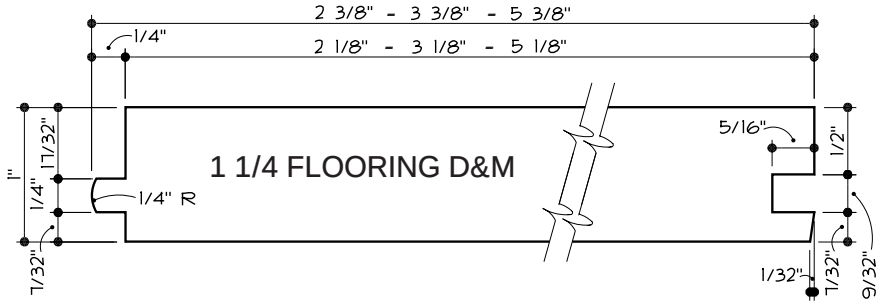
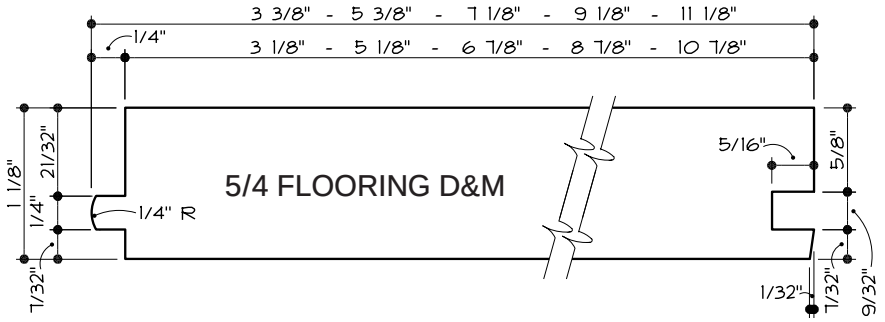
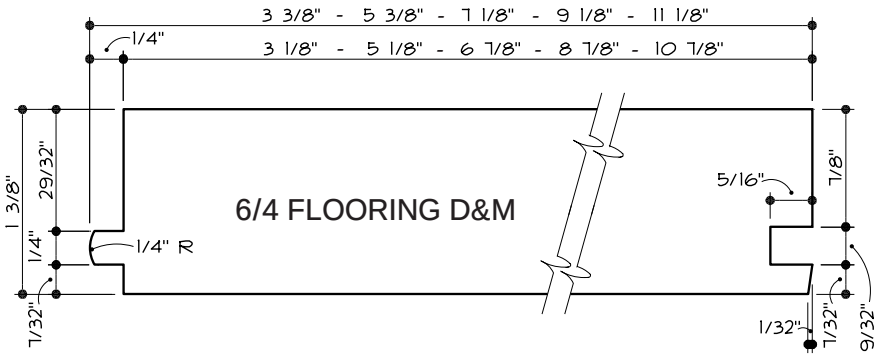
5/16"
1 1/16"
4" DECKING WP-405-e

Decking and Flooring

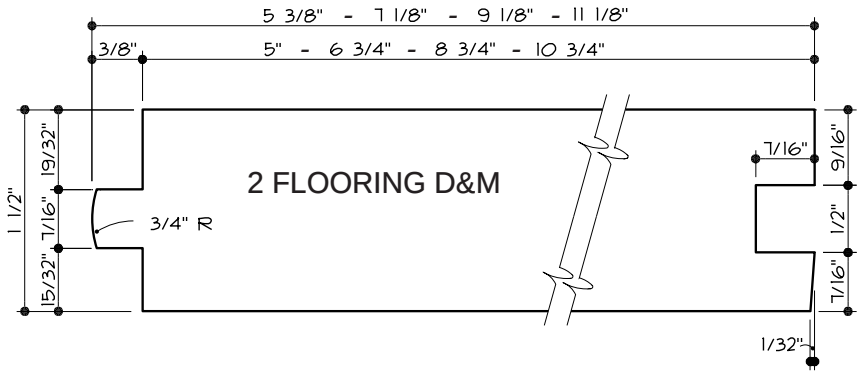








Flooring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19/32"
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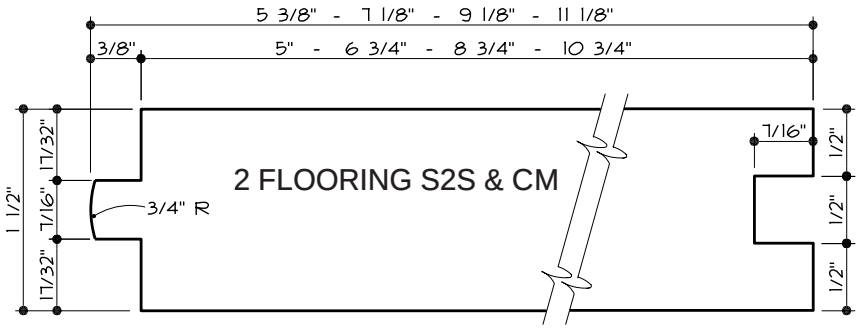
15/32"
3/4" R
7/16"
9/16"
1/2"
7/16"
1/32"
2 FLOORING D&M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3/8"
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1 1/2"
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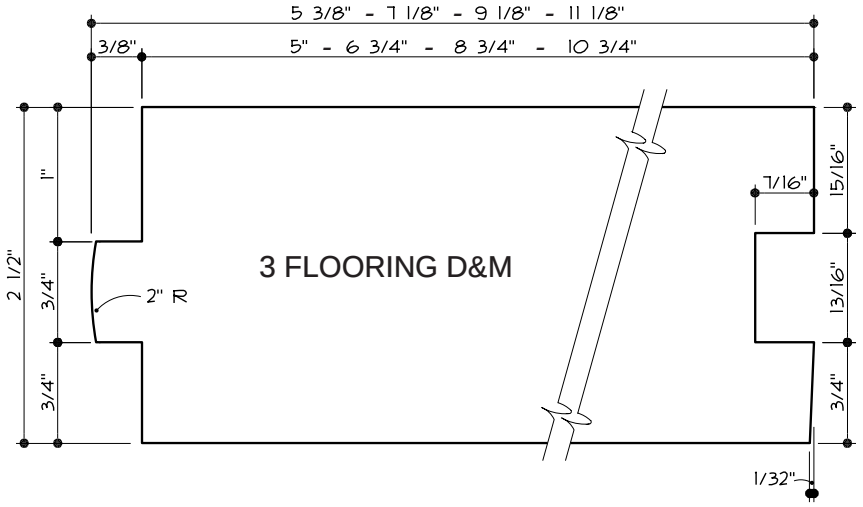
1/2"
1/2"
2 FLOORING S2S & CM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3/8"
5" - 6 3/4" - 8 3/4" - 10 3/4"
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1"
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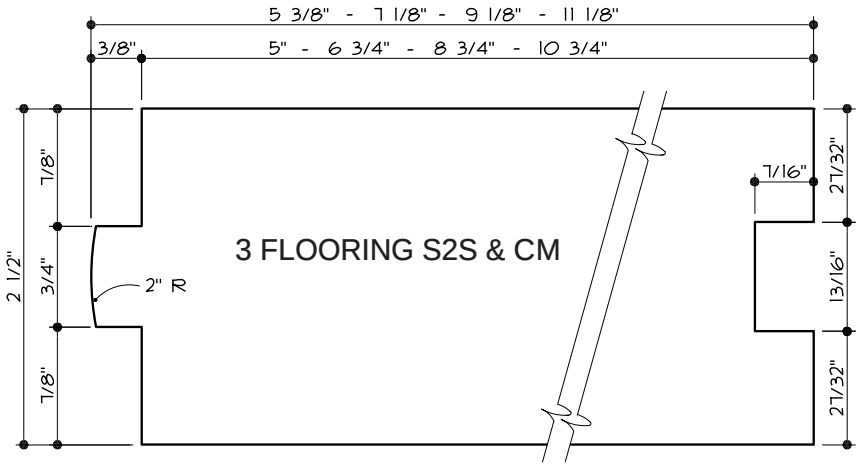
2" R
7/16"
15/16"
13/16"
3/4"
1/32"
3 FLOORING D&M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2 1/2"
7/8"
3/4"
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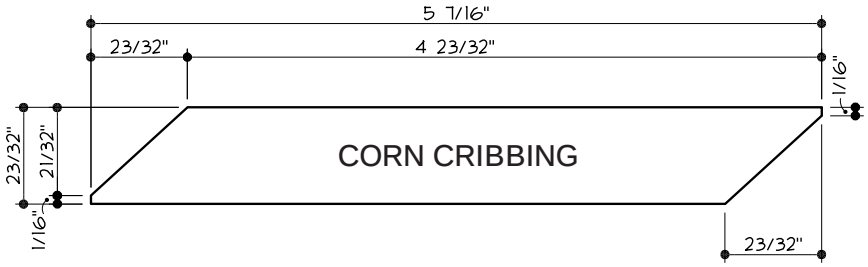
2" R
7/16"
27/32"
13/16"
27/32"
3 FLOORING S2S & CM

Corn Cribbing



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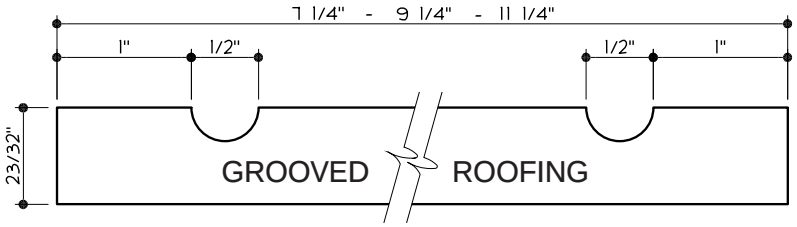

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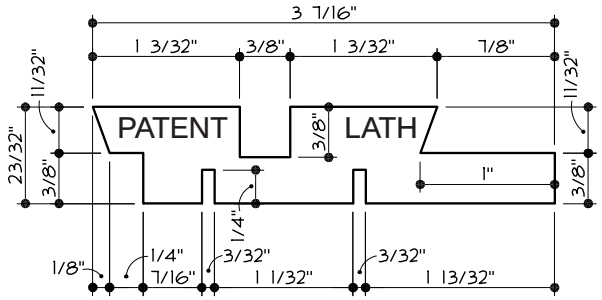

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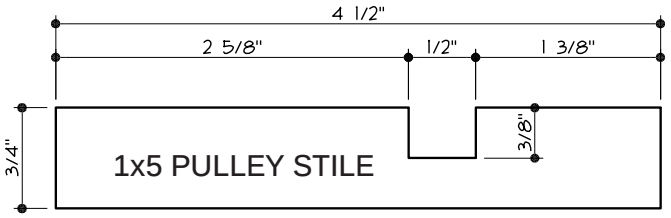

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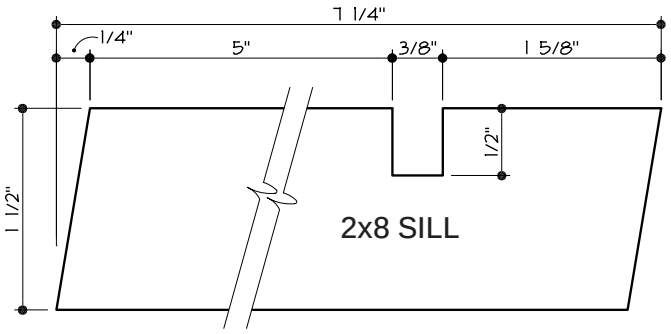

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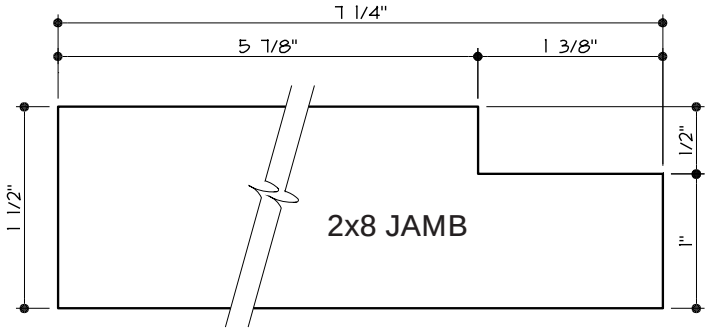

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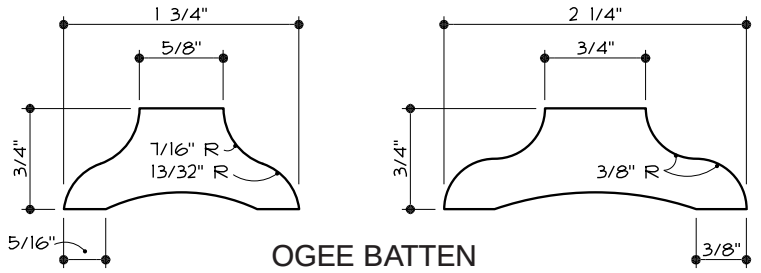

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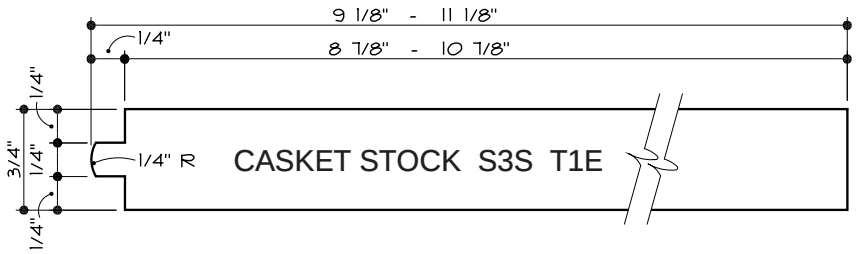

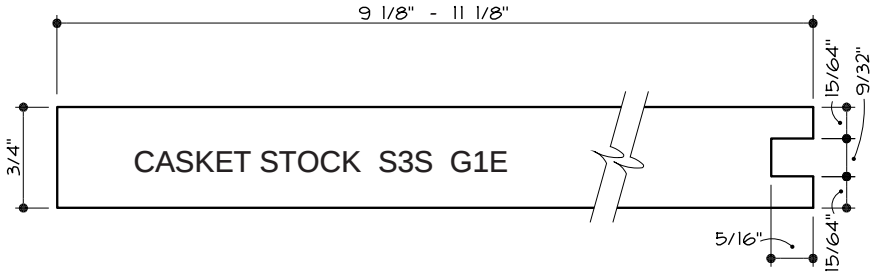

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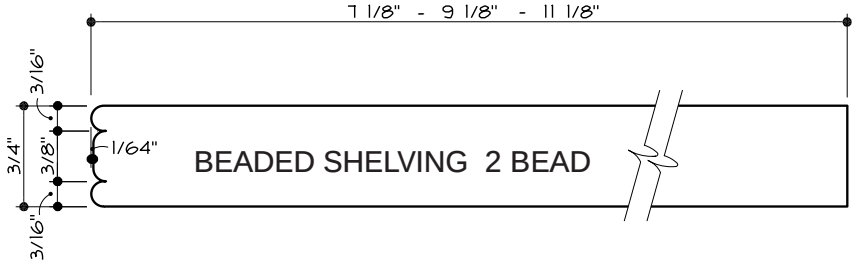
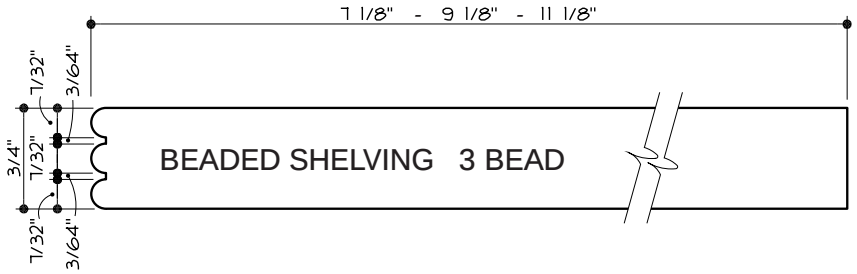
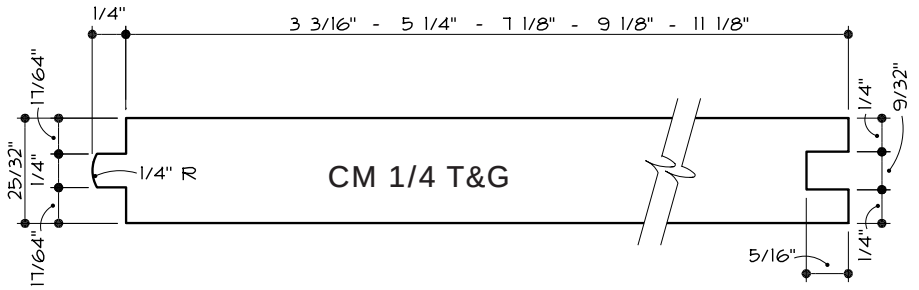
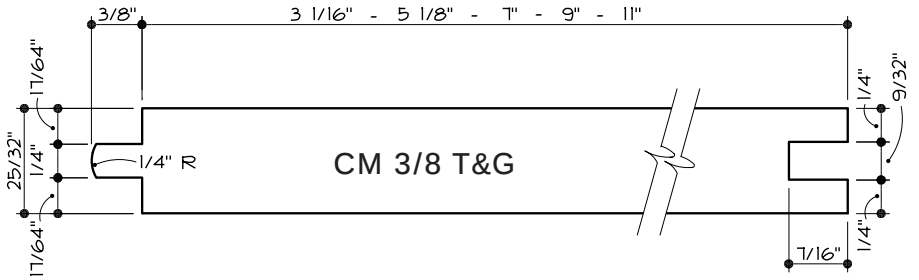
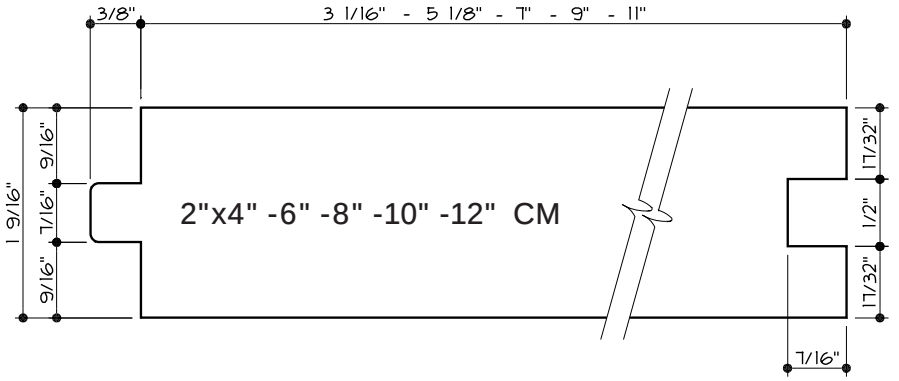


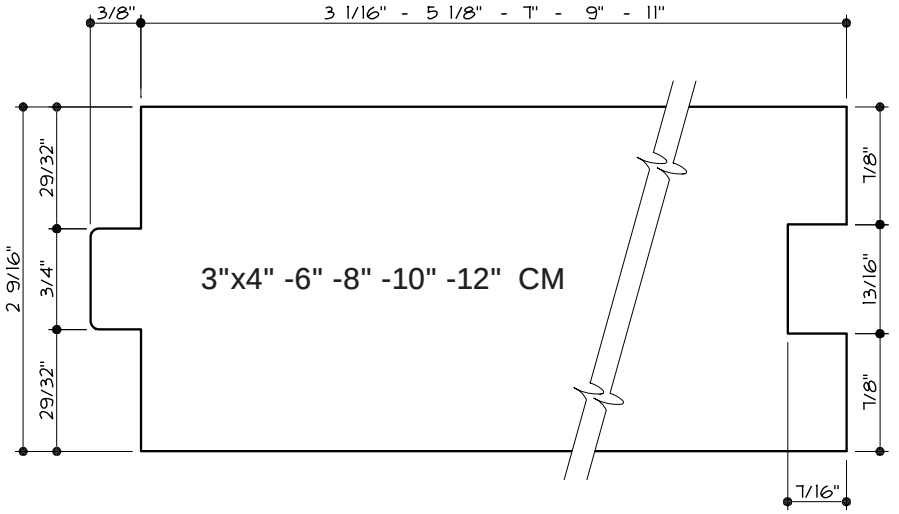


Unseasoned Tongued & Grooved

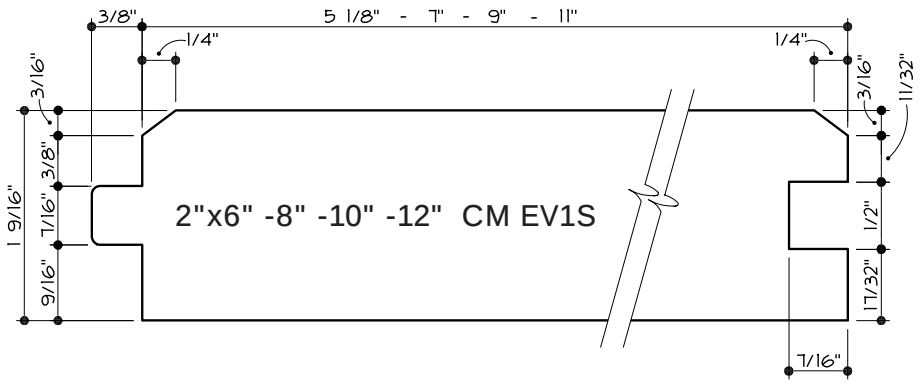


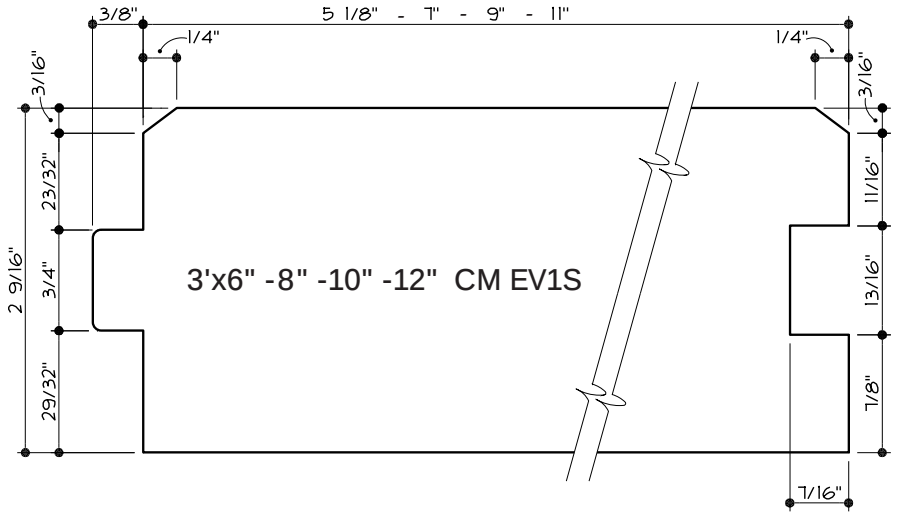




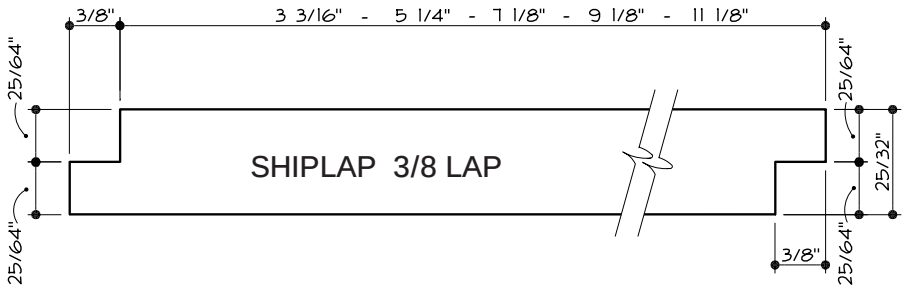


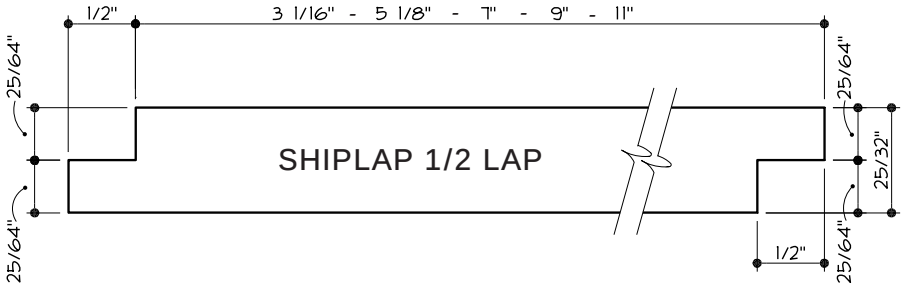
Unseasoned Tongued & Grooved





Unseasoned Shiplap





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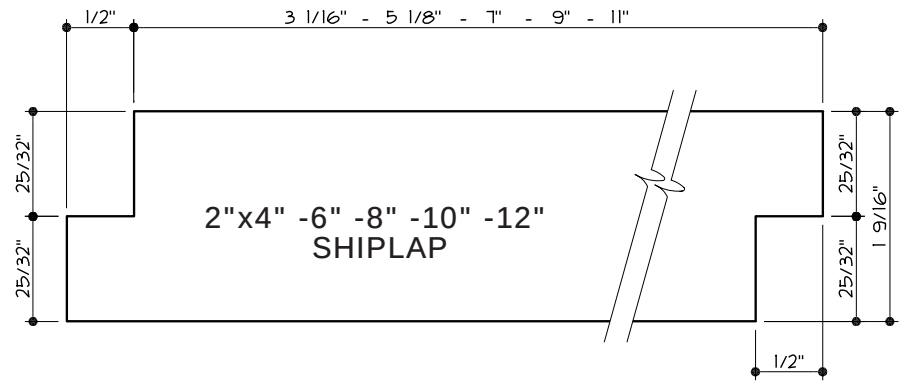

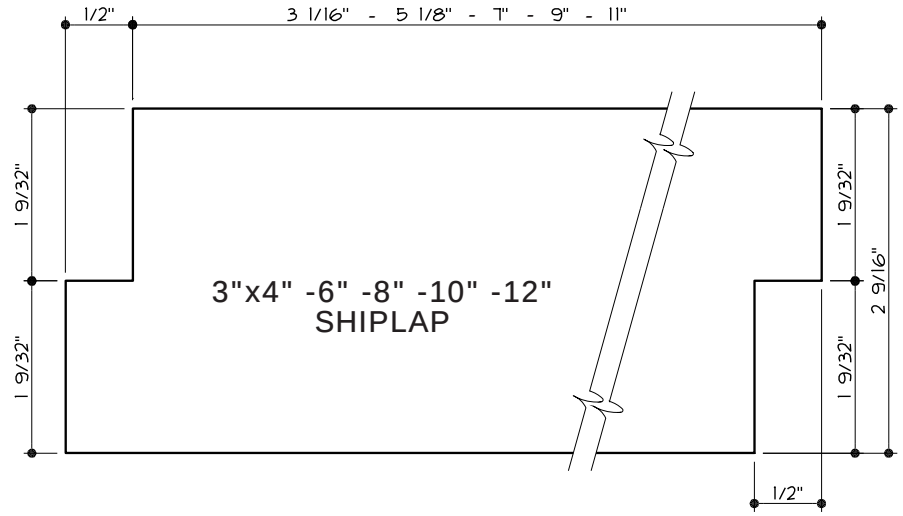

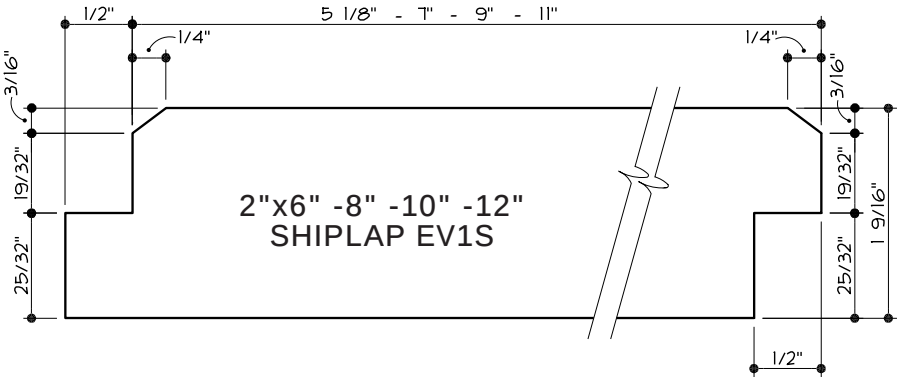

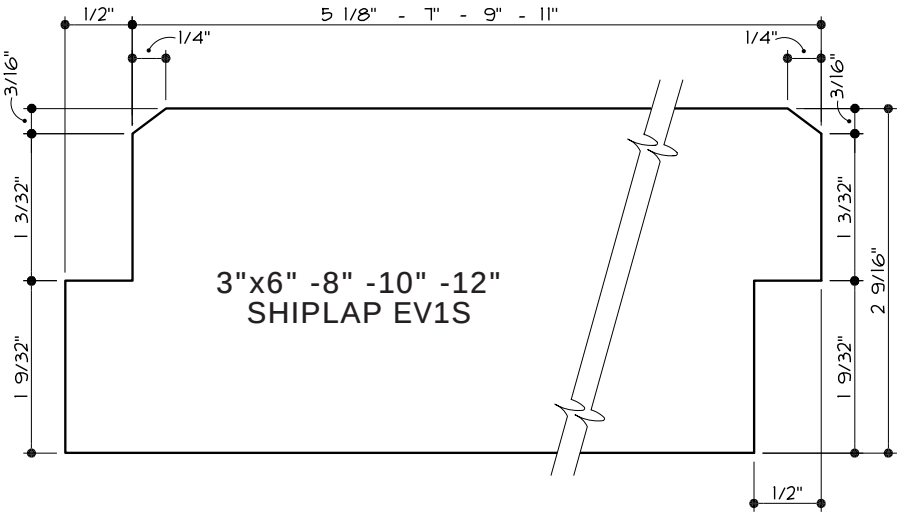

Coverage Calculations

Siding and paneling are usually sold either by the lineal *(running)* foot or by the board foot.

To simplify cost and coverage estimations, select the appropriate factor from the table at right according to how the material is priced. The factors provided in the table can be used to calculate the amount of siding required either in lineal feet or in board feet.

In either case, the square footage of the area to be covered is calculated first, then multiplied by the appropriate factor.

Procedure:

A) Calculate the square footage in walls:
length x width = sq. ft.

B) Calculate, and then subtract, the square footage of openings. Now add 10% for trim and waste.

C) Multiply the result by either the factor for lineal feet *or* the factor for board feet.

D) Multiply the total footage required by price.

Additional Information

Additional information and titles referenced in this publication are available for purchase from WWPA.

For a full description of technical publications available and a printable order form, go to the WWPA Internet site at www.wwpa.org.

You also can receive an order form via fax through the WWPA Fax Delivery Service by calling 732-544-2876 and following the instructions.

COVERAGE ESTIMATOR

Pattern	Nominal Width	Width: Dressed	Width: Exposed Face	Factor for Lineal Feet[1]	Factor for Board Feet[2]
Bevel & Bungalow	4	3½	2½	4.8	1.60
	6	5½	4½	2.67	1.33
	8	7¼	6¼	1.92	1.28
	10	9¼	8¼	1.45	1.21
Dolly Varden	4	3½	3	4.0	1.33
	6	5½	5	2.4	1.2
	8	7¼	6¾	1.78	1.19
	10	9¼	8¾	1.37	1.14
	12	11¼	10¾	1.12	1.12
Drop, T&G and Channel Rustic	4	3⅜	3⅛	3.84	1.28
	6	5⅜	5⅛	2.34	1.17
	8	7⅛	6⅞	1.75	1.16
	10	9⅛	8⅞	1.35	1.13
Log Cabin	6	5 7/16	4 15/16	2.43	2.43
	8	7⅛	6⅝	1.81	2.42
	10	9⅛	8⅝	1.39	2.32
Boards	2	1½	The exposed face width will vary depending on size selected and on how the boards-and-battens or boards-on-boards are applied. Minimum overlap is ½". Determine the exposed face, then refer to footnotes to calculate factor.		
	4	3½			
	6	5½			
	8	7¼			
	10	9¼			

[1] Lineal Foot Factor is derived by dividing 12" by the exposed face width.

[2] Board Foot Factor is derived by dividing the nominal width by the exposed face width and is based on nominal 1" stock, except log cabin. Log cabin is based on 2" thickness. For nominal 1½" log cabin, multiply by .75.

Note: Factors do not include any allowance for trim or waste and do not apply to diagonal installations. A 10% allowance (for trim and waste) should be added to the square footage required before the factors are used. Refer to *Procedure* at left.

Checklist for a Siding Material Specification

- ☐ Select species suited to the project.
- ☐ List grade names, paragraph numbers and rules-writing agency. (Refer to Grade Selector chart on back cover).
- ☐ Specify surface texture for exposed face.
- ☐ Specify moisture content suited to the project.
- ☐ If gradestamped, specify lumber to be stamped on back or ends. (WWPA's *Specifying Lumber* [A-2] offers additional information.)
- ☐ Specify VG (vertical grain) if appropriate and available.
- ☐ Specify pattern and size (WWPA's *Natural Wood Siding* [TG-8] and *Paneling Basics* [A-3] offer additional information.)

Western Lumber Grades

GRADE SELECTOR CHART-ALL SPECIES

General Categories *(Note that there are additional grades for bevel pattern.)*		GRADES: WESTERN SPECIES Selects[1]	GRADES: WESTERN SPECIES Finish	GRADES: CEDAR Western & Canadian	Grade Rule Paragraph Numbers for Reference & Specifying: WWPA[2]	WCLIB[3]	NLGA[4]
All Patterns	**Premium Grades**	B&Better (IWP Supreme)	Superior	**Clear Heart**[5]	20.11	102-b	200a
					10.11	–	–
				A Grade[5]	20.12	102-c	200b
		C Select[5] (IWP **Choice**)			10.12	–	–
					10.51	–	–
		D Select[5] (IWP **Quality**)			10.13	–	–
			Prime		10.52	–	–
				B Grade	20.13	102-d	200c
Additional Grades for Bevel Patterns	**Premium**		Superior Bevel	**Clear VG Heart**[5]	21.11	106-aa	201a
				A Bevel[5]	21.12	106-a	201b
					16.11	–	–
				B Bevel	21.13	106-b	201c
				Rustic	–	–	201d
				C Bevel	21.14	106-c	201e
	Knotty		Prime Bevel		16.12	–	–
				Select Knotty[6]	–	–	205a
				Quality Knotty[6]	–	–	205b
		Commons[1]	**Alternate Boards**	**Cedar**			
All Patterns	**Knotty Grades**	1 Common (IWP Colonial)			30.11		
		2 Common (IWP **Sterling**)	Select Merch. **Construction**		30.12	118-a	114a
					118-b	118-b	114b
				Select Knotty[6]	–	111-e	204a
				Quality Knotty[6]	–	111-f	204b
		3 Common (IWP **Standard**)			30.13	–	–
			Standard		118-c	118-c	114c
		4 Common (IWP **Utility**)	Utility		30.14	118-d	114d
		5 Common (IWP Economy)	Economy		30.15	118-e	114e

1 Equivalent grades, under the same paragraph numbers in WWPA Rules, are available in Idaho White Pine. Refer to *Western Lumber Grading Rules.*

2 Western Wood Products Association's *Western Lumber Grading Rules.*

3 West Coast Lumber Inspection Bureau's *West Coast Lumber Standard Grading Rules*.

4 National Lumber Grades Authority's *Standard Grading Rules for Canadian Lumber*.

5 Some clear grades may be specified VG (vertical grain). Common practice is to ship orders as a combination of vertical and flat grain, unless specified otherwise.

6 The widely used marketing term, "STK" usually describes a combination of Select Knotty and Quality Knotty, sometimes marketed with approximately 15% of the order in Quality Knotty.

The grade names in bold face type are the most widely available grades. These are often specified as a grade combination that includes some portion of material in the next higher grade; i.e. C&Btr Select, D&Btr Select, A&Btr Cedar, 2&Btr Common, 3&Btr Common or Std&Btr (Standard & Better).

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