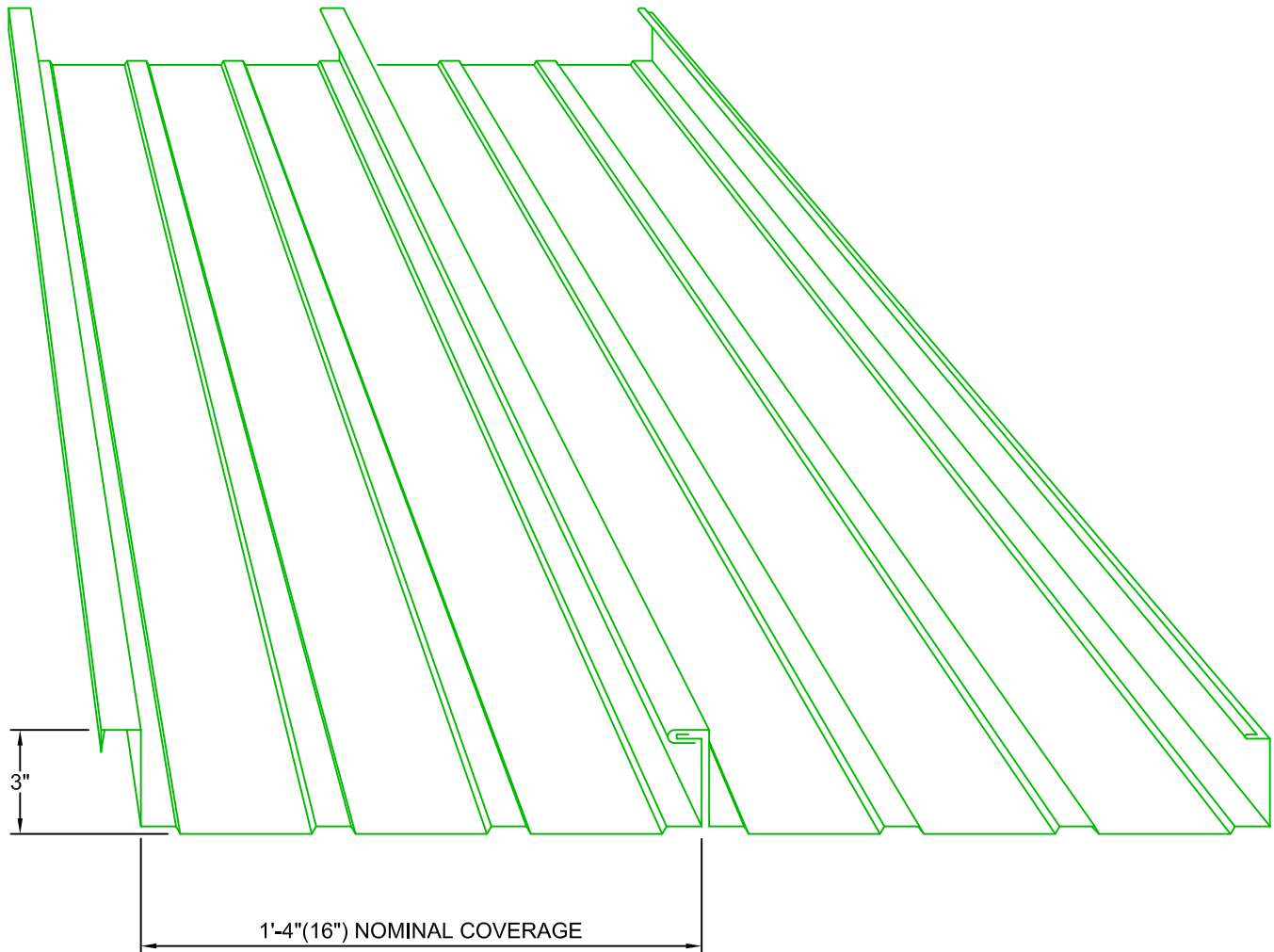


"FSS-316" STANDING SEAM ROOF SYSTEM



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"FSS-316" STANDING SEAM DETAILS

DRAWN BY:

D. JUREY

DATE:

8/12/25

CHECKED BY:

DATE:

COVER

DRAWING NO.

FSS316-C

I. GENERAL NOTES:

I(a). "FSS-316" ROOF SYSTEM TO BE MANUFACTURED FROM GRADE "D" (50,000 PSI YIELD) G-90 GALVANIZED STEEL, GALVALUME, OR ALUMINUM ALLOY 3004-H14.

I(b). "FSS-316" ROOF SYSTEM TO BE BARE AS NOTED IN NOTE #1, OR PRE-PAINTED WITH A SILICONIZED POLYESTER, KYNAR®, OR FLEXSHIELD FINISH.

I(c). "FSS-316" ROOF SYSTEM TO BE SUPPLIED IN FORMED PANEL LENGTHS UP TO 40'-0". PANELS 40'-60' ARE AVAILABLE WITH SPECIAL PACKAGING AND SHIPPING. PANELS IN EXCESS OF 60'-0" MAY BE ROLLFORMED ON THE JOBSITE.

I(d). "FSS-316" ROOF SYSTEM IS SUPPLIED WITH 2 PC. EXPANSION CLIPS OR FIXED CLIPS IN HEIGHTS TO SUIT APPLICATION. CLIPS ARE SUPPLIED WITH TWO FASTENERS EACH. STANDARD SCREWS FOR ATTACHING CLIPS TO LT. GA. PURLINS ARE #12/14 x 1½" HEX HEAD SELF-TAPPING & SELF-DRILLING SHEET METAL SCREWS WITH NEOPRENE BONDED WASHERS. FOR ATTACHMENT INTO ANY MEMBERS OTHER THAN LT. GA. PURLINS, PLEASE CONTACT THE FACTORY FOR PROPER SCREW SELECTION AND AVAILABILITY.

I(e). "FSS-316" ROOF SYSTEM TO BE SUPPLIED WITH FACTORY APPLIED SEALANT.

I(f). VARIOUS FLASHINGS, PIPE JACKS, FASTENERS, CLOSURES, AND SEALANTS CAN BE SUPPLIED IF REQUIRED TO COMPLETE A PROJECT.

I(g). CONTRACTOR IS RESPONSIBLE FOR THE PROPER INSTALLATION OF THE ROOF SYSTEM AND TO INSURE ALL PURLINS, OR SUB-FRAMING MEMBERS ARE PROPERLY INSTALLED AND ALIGNED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.

I(h). DUE TO INHERENT TOLERANCES OF BASE METAL, ANY FLAT SURFACE PANELS COULD HAVE SOME "OIL-CANNING". THIS IS NOT A BASIS FOR REJECTION OF THE PRODUCT.

I(i). DUE TO THE INDIVIDUALIZED NATURE OF PROJECTS, THE ERECTOR IS RESPONSIBLE FOR THE CORRECT PANEL LENGTHS & QUANTITIES, AND ALL ACCESSORY SIZES, TYPES, & QUANTITIES.

I(j). IF AIR & WATER INFILTRATION TEST IS REQUIRED IN THE SPECIFICATIONS; THEN CALL FACTORY FOR REQUIRED MODIFICATIONS OF DETAILS.

II. UNLOADING & STORAGE NOTES:

II(a). WHEN UNLOADING PANELS, SPREADER BAR & NYLON STRAPS OF THE PROPER SIZE, LENGTH, AND SPACING ARE TO BE USED BY SKILLED PERSONNEL APPLYING PROPER PROCEDURES TO PREVENT BUCKLING OR DAMAGE OF PANELS AND POSSIBLE BODILY INJURY.

II(b). UPON DELIVERY, INSPECT & TAKE INVENTORY OF ALL PARTS. NOTE ANY DAMAGED OR MISSING PARTS ON THE BILL OF LADING AND CONTACT FACTORY IMMEDIATELY.

II(c). INSPECT PANELS & TRIM FOR MOISTURE THAT MAY HAVE FORMED DURING SHIPMENT. IF MOISTURE IS PRESENT, THEN MATERIALS MUST BE UNPACKAGED, WIPED DRY, AND THEN RESTACKED.

II(d). IF INSIDE STORAGE IS NOT POSSIBLE, THEN ELEVATE ONE END OF BUNDLE AND COVER LOOSELY TO ALLOW AIR TO CIRCULATE THROUGH MATERIALS. NEVER USE PLASTIC TO COVER MATERIALS.

II(e). TRAPPED MOISTURE CAN CAUSE STAINING OF PANELS OR PROMOTE RUST ON UNPAINTED MATERIALS.

II(f). EXPOSURE TO DIRECT SUNLIGHT AND/OR HIGH HUMIDITY MAY CAUSE STRIPPABLE PLASTIC FILM TO ADHERE TO THE METAL PERMANENTLY AND DISCOLOR FINISH.

III. ERECTION NOTES:

III(a) RUN A LINE ALONG THE EDGE OF THE GABLE(RAKE) SIDE WHERE YOU ARE STARTING WITH AND SNAP A LINE. MAKE SURE THAT THE LINE IS PERPENDICULAR TO THE EAVE.

III(b) ATTACH STARTER CLIPS ALONG THE LINE JUST SNAPPED USING (2) #12 x 1½" SCREWS WITH 5/8" DIAMETER WASHERS. CLIPS SHOULD BE ATTACHED TO EACH PURLIN, BUT ARE NOT NECESSARY AT THE EAVE.

III(c) APPLY 1/8" x 1 5/8" SEALER TAPE "ST2" ALONG THE EAVE LINE. RUN THE TAPE OUT FAR ENOUGH TO KEEP YOURSELF FOUR OR FIVE PANELS AHEAD.

III(d) SET THE FIRST PANEL OVER THE STARTER CLIPS, MAKING SURE THE PANEL IS SQUARE WITH BUILDING AND NESTED ONTO THE STARTER CLIPS.

III(e) HAND CRIMP THE FEMALE LEG OF PANEL TO THE STARTER CLIPS.

III(f) APPLY A 3/16" BEAD OF CAULK OVER THE MALE LEG OF THE PANEL AT THE POINTS WHERE THE NEXT ROW OF CLIPS WILL BE INSTALLED.



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FSS316-1

III. ERECTION NOTES(cont.):

III(g). APPLY THREE ROWS OF CAULKING(1/8" x 1/8" BEADS) TO THE VERTICAL LEG OF ROOF PANEL @ EAVE LINE STARTING AT THE SEALER TAPE & PROCEEDING UP LEG UNTIL MARRIED INTO SEALANT ON TOP OF MALE LEG.(SEE DETAILS).

III(h). INSTALL THE FEMALE LEG OF PANEL OVER THE MALE LEG OF THE PREVIOUSLY INSTALLED ROOF PANEL. CLAMP PANELS NEAR THE EAVE, RIDGE, PENETRATIONS, AND CLIP LOCATIONS. HAND SEAM PANELS TOGETHER 2'-0" AT THE EAVE, RIDGE, PENETRATIONS, AND CLIP LOCATIONS. ATLEAST THREE PANEL SEAMS TO BE CLAMPED AT ALL TIMES.

III(i). ANY CUTTING OR BEVELING OF PANELS @ ENDS OF PANEL RUNS, HIPS, VALLEYS, OR PENETRATIONS TO BE DONE BY THE ERECTOR IN THE FIELD.

III(j). IF APPLICABLE, REMOVE ALL STRIPPABLE PLASTIC FROM PANELS AFTER BEING MECHANICLY SEAMED.

III(k). TO COMPLETE THE PROCESS, THE ENTIRE LEGNTH OF EACH PANEL MUST SEAMED. PROJECTS CAN BE SEAMED BY HAND OR WITH AN ELECTRIC SEAMER (AN ELECTRIC SEAMER IS AVAILABLE TO DO THIS PROCESS.) WHETHER THE FINAL SEAMING IS DONE WHEN THE TOTAL JOB IS COMPLETE OR AT THE END OF EACH DAY IS DEPENDENT UPON THE REQUIREMENTS OF EACH PROJECT.

IV. CLEAN-UP NOTES:

IV(a). INSPECTS ENTIRE ROOF AND SIDING AREA. REMOVE ANY PIECES OF STRIPPABLE PLASTIC FILM STILL LEFT ON PANELS OR FLASHING. MAKE SURE FLASHING IS PROPERLY INSTALLED AND CAULKED WHERE SHOWN ON DETAILS.

IV(b). ANY METAL SHAVINGS FROM FIELD CUTTING OR DRILLING OF PANELS MUST BE CLEANED OFF ROOF EACH DAY TO PREVENT RUST AND/OR DISCOLORATION OF PANELS.

IV(c). TOUCH-UP ANY SCRATCHES, NICKS, OR FASTENER HEADS WITH TOUCH-UP PAINT. MAKE SURE AREA IS THOROUGHLY CLEANED AND USE ONLY AN ARTISTS BRUSH. COVER ONLY THE SCRATCH - DO NOT PAINT OVER ANY PREPAINTED AREA.

V. CAUTIONS:

V(a). VERTICAL LEGS OF ROOF PANELS TO BE HELD TIGHTLY TOGETHER AT THE EAVES AND CLIP LOCATIONS BY USING CLAMPS. FAILURE TO CLAMP PANELS AT THESE LOCATIONS WILL NOT PERMIT PROPER SEAMING OF THE PANELS WITH THE ELECTRIC SEAMER AND/OR COULD COMPROMISE EVENTUAL WEATHERTIGHTNESS

V(b). CARE MUST BE TAKEN TO NOT OVER TORQUE FASTENERS.

V(b1). CARE MUST BE TAKEN NOT TO STEP ON PANEL BETWEEN FIRST PURLIN AND EAVE WHEN FASTENING EAVE SCREWS. THIS MAY CAUSE PONDING OF WATER.

V(c). DO NOT UNDER ANY CIRCUMSTANCE, STEP ON THE PANEL AT THE SEAMS OR AT THE PANEL ENDS. THE ROOF PANEL MAY NOT SUPPORT THE WEIGHT OF A MAN AT THESE LOCATIONS, WHICH COULD RESULT IN SERIOUS INJURY, AND IT COULD AFFECT PANEL ALIGNMENT.

V(d). CARE MUST BE TAKEN IN PROTECTING ROOF PANELS FROM OTHER TRADES, DISSIMILAR METALS, AND POSSIBLE RUN OFF OF HVAC EQUIPMENT.

V(e). THE DETAILS CONTAINED IN THE FOLLOWING PAGES ARE MERELY RECOMMENDATIONS AS TO HOW "FLEXOSPAN, INC." MATERIALS SHOULD BE INSTALLED. THEY MAY REQUIRE ADAPTATIONS OR MODIFICATIONS FOR A SPECIFIC PROJECT AS CONDITIONS VARY IN BOTH BUILDING DESIGN AND LOCAL WEATHER PECULIARITIES.

V(f). INSURING WATER-TIGHTNESS ON ANY GIVEN PROJECT IS THE FUNCTION OF THE INSTALLER. THE ARCHITECT/GENERAL CONTRACTOR/INSTALLER MUST ACCEPT THE RESPONSIBILITY TO ADAPT THESE DETAILS TO MEET PARTICULAR BUILDING REQUIREMENTS AND FIELD CONDITIONS AND TO INSURE ADEQUATE WATER-TIGHTNESS.

V(g). THE INSTALLER CAN VIRTUALLY ASSURE WATER-TIGHTNESS IF THESE FLASHING DETAILS HAVE BEEN PROPERLY ADAPTED, ADEQUATE LAPS HAVE BEEN PROVIDED, CORRECT TYPE OF SEALANT USED, ALL JOINTS ADEQUATELY CAULKED, AND PROFESSIONAL WORKMANSHIP EMPLOYED



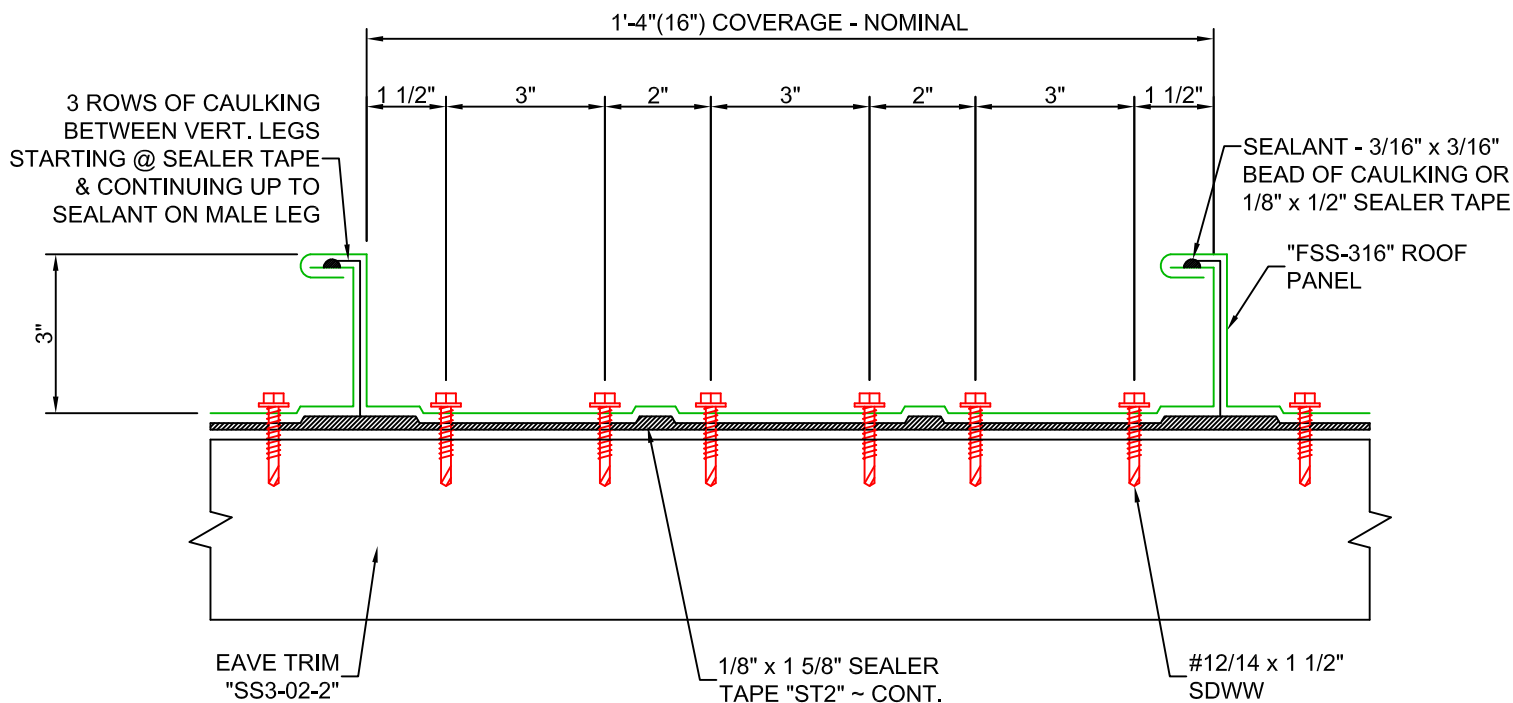
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"FSS-316" STANDING SEAM DETAILS

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GENERAL NOTES(CONT.)

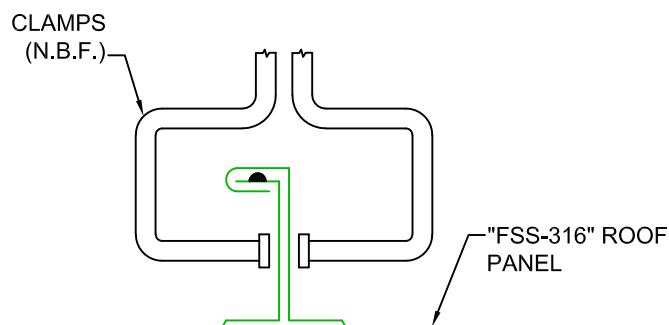
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EAVE FASTENING DETAIL

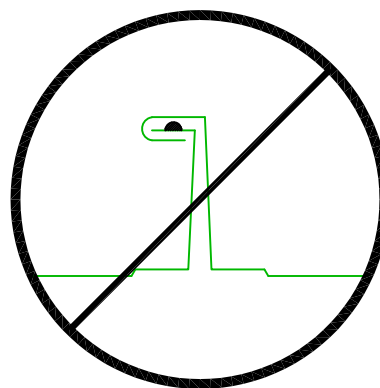
**** IMPORTANT ****

FAILURE TO FOLLOW DIRECTIONS BELOW COULD RESULT IN PROBLEMS WITH ACHIEVING WEATHERTIGHTNESS & COULD CAUSE PROBLEMS WITH ATTACHMENT OF TRIM OR FLASHINGS.



ERECTOR NOTE:
VERTICAL LEGS OF PANELS MUST BE HELD TIGHT TOGETHER USING CLAMPS @ EAVE, RIDGE, AND CLIP LOCATIONS. THIS MAINTAINS PROPER PANEL ALIGNMENT.

CORRECT



INCORRECT



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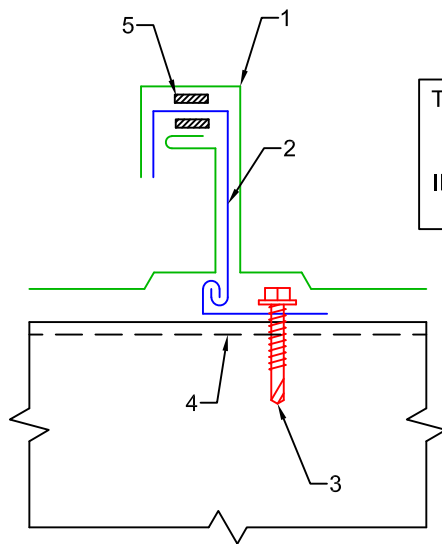
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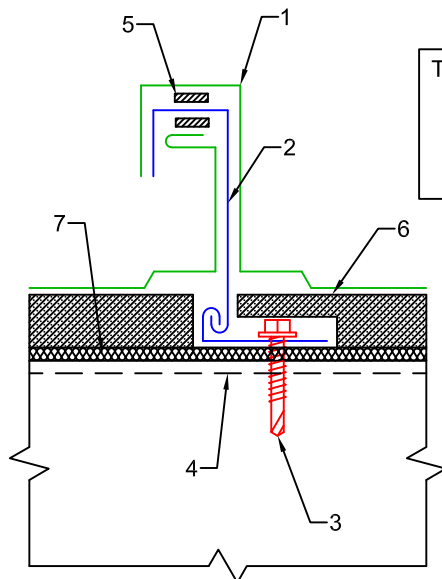
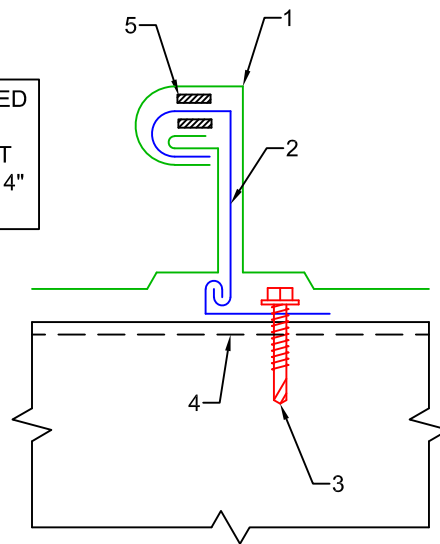
FSS316-3

BEFORE SEAMING

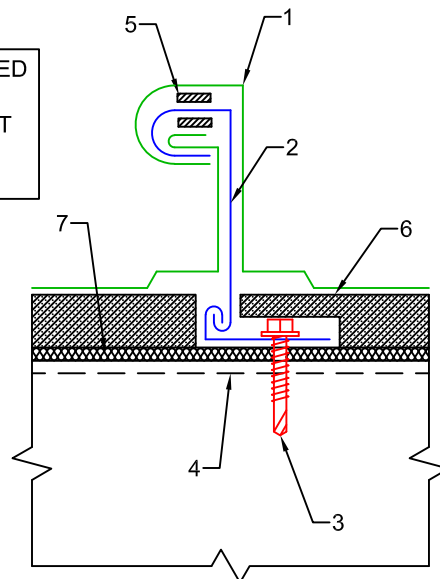
AFTER SEAMING



THIS DETAIL TO BE USED
W/ STANDARD
FIBERGLASS BLANKET
INSULATION OF UP TO 4"
THICKNESS.



THIS DETAIL TO BE USED
W/ STANDARD
FIBERGLASS BLANKET
INSULATION OF 4"
THICKNESS AND UP.



- 1 FLEXOSPAN "FSS-316" STANDING SEAM ROOF PANEL.
- 2 STANDARD 2 PC. EXPANSION CLIP OR STANDARD 1 PC. FIXED CLIP.
- 3 #12/14 X 1 1/2" SELF-DRILLING METAL SCREW W/ 5/8" BONDED WASHER. TWO SCREWS PER CLIP.
- 4 STRUCTURAL STEEL, CEE, ZEE, OR LT. GAUGE OPEN WEB JOIST.
- 5 SEALANT: FIELD APPLIED TO INSIDE OF THE FEMALE RIB OR TO THE TOP OF THE MALE RIB AND IN EITHER CASE FIELD APPLIED OVER AND UNDER EACH CLIP. SEALANT TO BE CAULKING RV 2091-1 AS MANUFACTURED BY RU VAN INC. OR EQUAL, OR 1/8" X 1/2" SEALER TAPE AS MANUFACTURED BY GULF SEAL INC. OR EQUAL.
- 6 INSULATION SHORTING BLOCKS ~ 1" TH. X 3" W. X 16" LG.
- 7 VINYL BACKED FIBERGLASS INSULATION ~ 2" MIN.

NOTES:

1. WHEN USING INSULATION & SHORTING BLOCKS, THE SHORTING BLOCKS ARE APPLIED ONLY TO THE INTERMEDIATE & RIDGE PURLINS. THEREFORE THE EAVE PURLIN MUST BE RAISED 1" TO MAINTAIN PROPER ROOF PLANE ALIGNMENT.
2. IF APPLYING "FSS-316" OVER A DIFFERENT SUBSTRATE THAN SHOWN, PLEASE CALL FACTORY FOR SPECIAL DESIGN CONSIDERATIONS.



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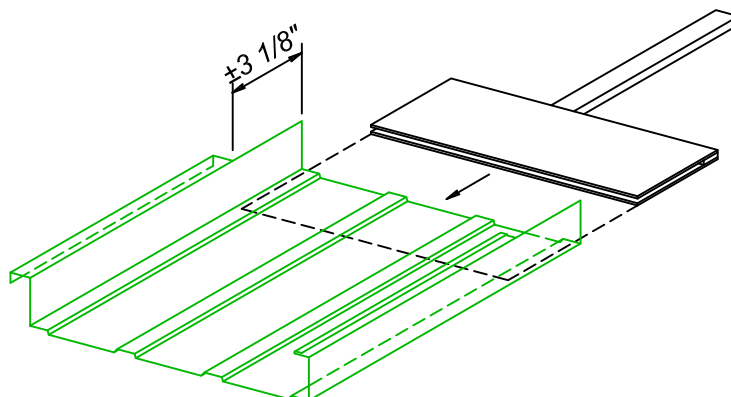
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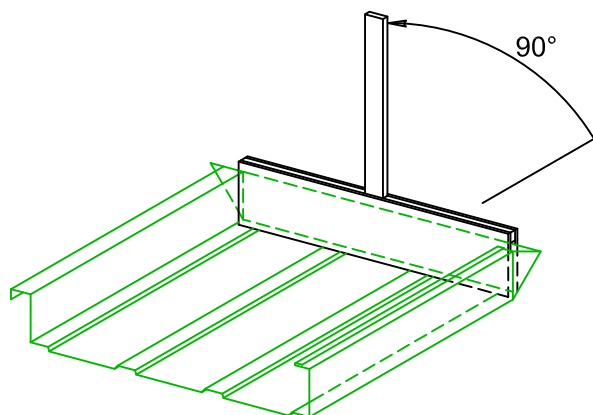
FSS316-4

FIELD PANNING OR BOXING THE END OF THE "FSS-316" ROOF PANEL

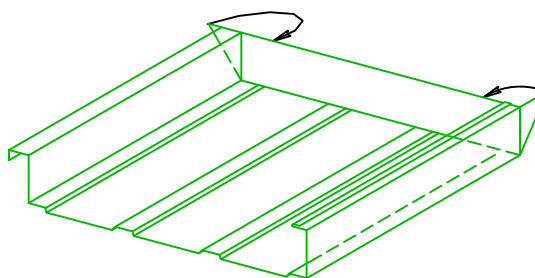
STEP 1: FIELD COPE THE PANEL
BACK 3 1/8" FROM THE END.



STEP 2: INSERT THE PANNING
TOOL AND FOLD THE PANEL
UPWARD. BEND UNTIL A 90° BEND
IS ACHIEVED.



STEP 3: ONCE THE END BEND IS
COMPLETED, FOLD THE EXCESS
SIDE MATERIAL AROUND THE BACK
OF THE PANEL; NEVER TO THE
SIDES. BY FOLDING TO THE BACK
IT WILL LOCK THE END BOX INTO
PLACE.



ERECTOR NOTES:

1. THE PEAK END OF ALL PANELS SHOULD HAVE THE BOXED END COMPLETED BEFORE STARTING THE ROOF SHEATHING.
2. BEND THE COPED ENDS OUTWARD PRIOR TO MAKING THE 90° BEND. THIS WILL ALLOW THE MATERIAL TO MOVE OUTWARD.
3. PANNING TOOL SHOWN FOR GENERAL PROCEDURE ONLY. THE SHAPE OF THE PANNING TOOL MAY VARY.



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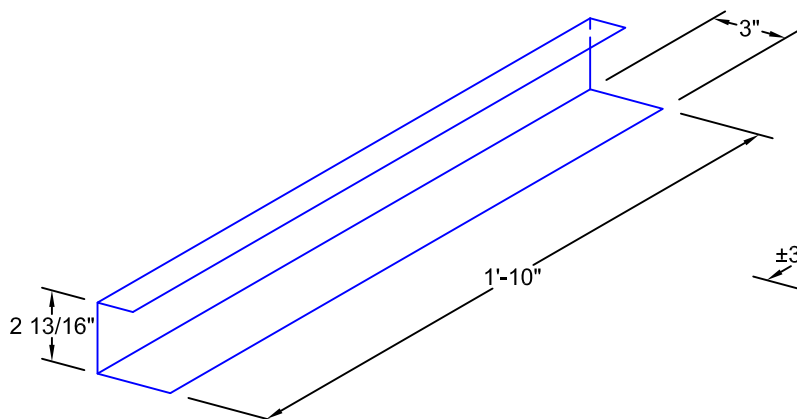
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PANNING DETAIL

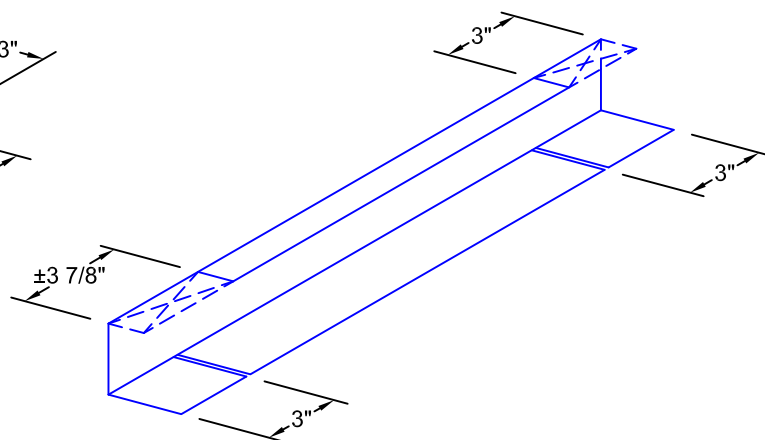
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FSS316-5

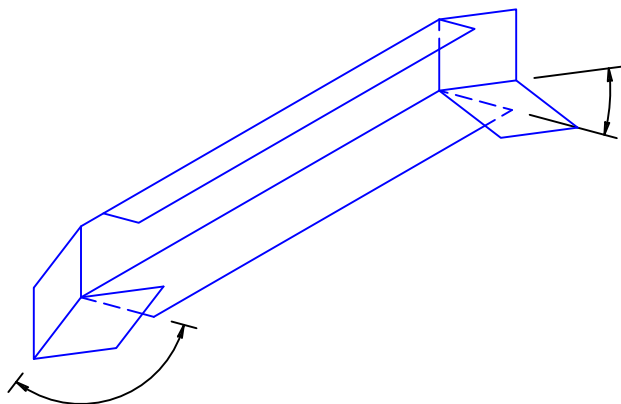
FIELD FORMING OF RIDGE CEE CLOSURES



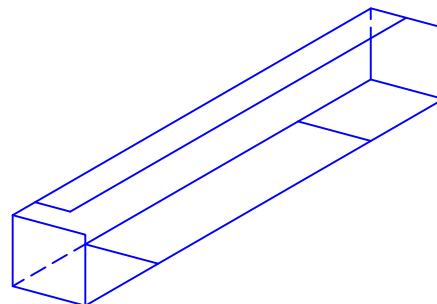
STEP 1: FIELD CUT 1'-10" PIECES FROM 10'-0" SECTIONS.



STEP 2: FIELD COPE TOP FLANGES AND NOTCH BOTTOM FLANGES.



STEP 3: FIELD BEND THE CEE CLOSURE ENDS AROUND COMPLETELY TO 90°.



FINISHED PRODUCT

ERECTOR NOTES:

1. ALL DIMENSIONS ARE NOMINAL AND FIELD ADJUSTMENTS OF THEM MAY BE NECESSARY TO ACHIEVE ULTIMATE WEATHERTIGHTNESS.
2. CEE CLOSURES @ HIP RIDGES ARE FIELD FORMED SIMILAR.



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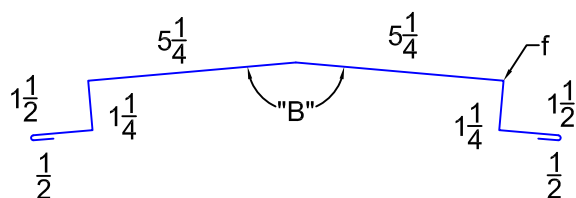
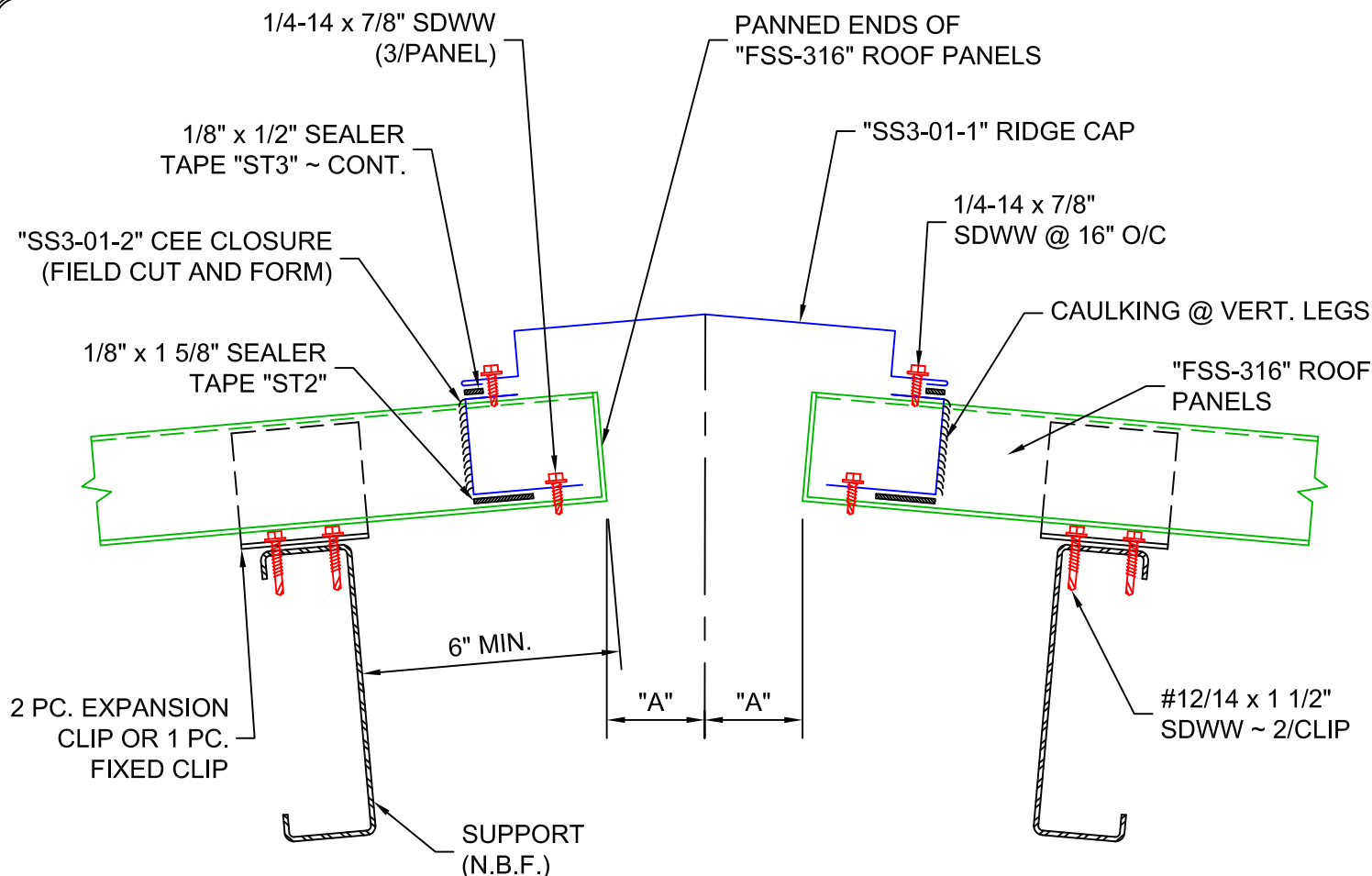
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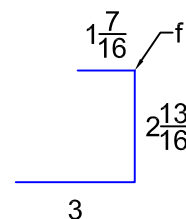
FIELD FORMING OF RIDGE
CLOSURES

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FSS316-6



"SS3-01-1" RIDGE CAP



"SS3-01-2" CEE CLOSURE

<u>ROOF PITCH</u>	<u>"A" DIM.</u>	<u>"B" ANGLE</u>
.5 IN 12	3 1/8"	175°
1 IN 12	2 7/8"	170°
2 IN 12	2 1/2"	161°
3 IN 12	2 1/8"	151°

ERECTOR NOTES:

1. THE ENDS OF ROOF SHEETS TO BE POSITIONED "A" DISTANCE AWAY FROM THE CENTERLINE OF THE ROOF. "A" DISTANCE VARIES WITH THE ROOF PITCH. SEE TABLE ABOVE FOR THE "A" VALUE FOR YOUR REQUIRED ROOF PITCH.
2. THE ENDS OF RIDGE CAPS TO BE CAULKED AND LAPPED 4" AWAY FROM PREVAILING WIND. RIDGE CAPS TO BE STITCHED WITH TWO FASTENERS ON EACH SIDE.
3. "SS3-01-2" CEE CLOSURE TO BE FIELD CUT AND FORMED AS SHOWN ON PAGE "FSS316-6".
4. "B" DIMENSION VARIES WITH ROOF PITCH; SEE TABLE ABOVE FOR CORRECT VALUE.



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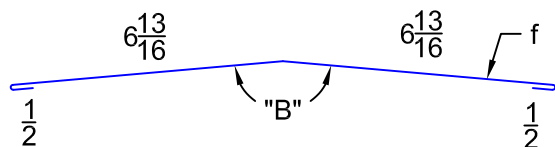
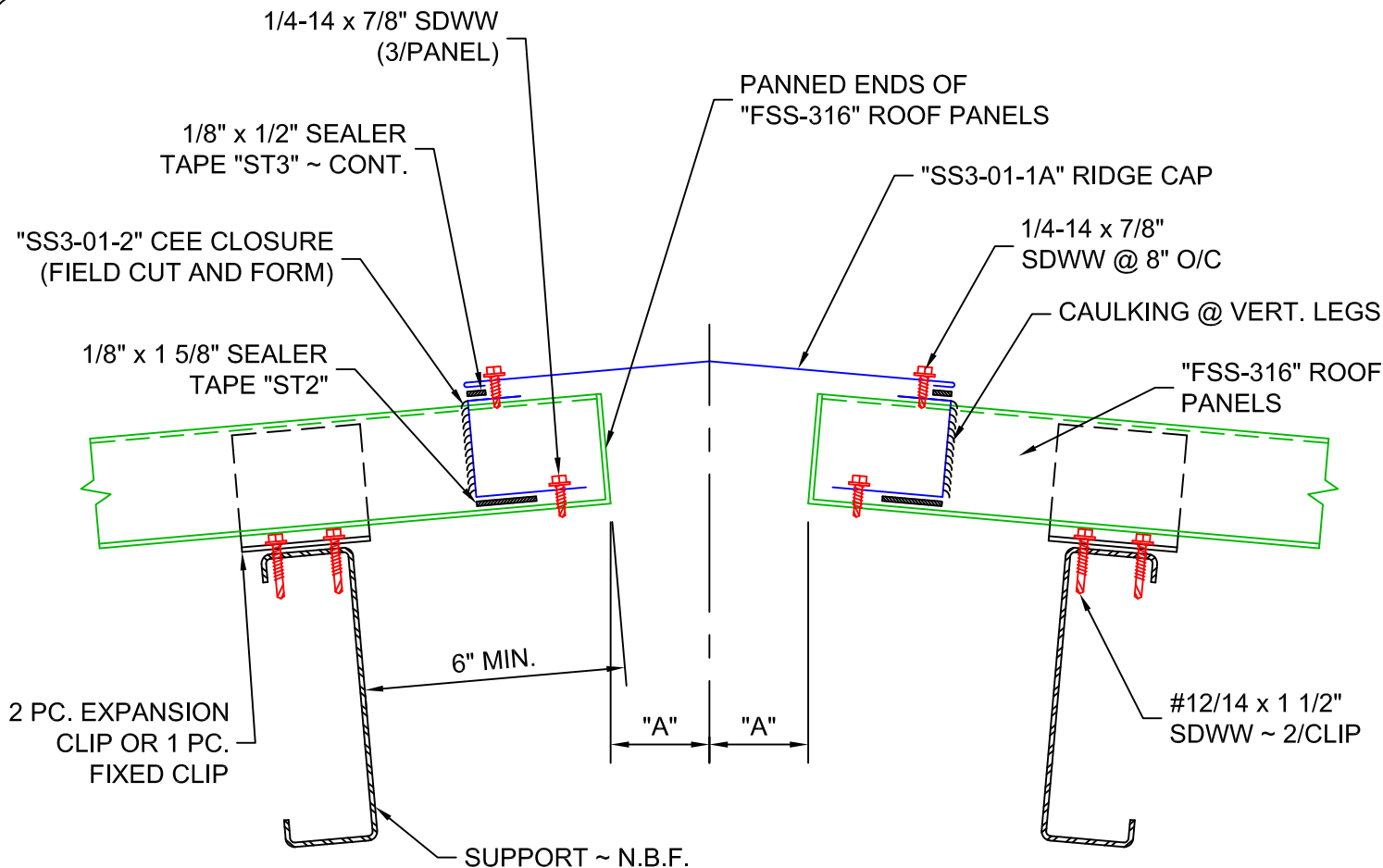
**"FSS-316" STANDING SEAM
DETAILS**

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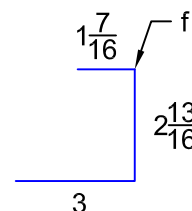
RIDGE DETAIL

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FSS316-7



"SS3-01-1A" RIDGE CAP



"SS3-01-2" CEE CLOSURE

ROOF PITCH	"A" DIM.	"B" ANGLE
.5:12	3 1/8"	175°
1:12	2 7/8"	170°
2:12	2 1/2"	161°
3:12	2 1/8"	151°

ERECTOR NOTES:

1. THE ENDS OF ROOF SHEETS TO BE POSITIONED "A" DISTANCE AWAY FROM THE CENTERLINE OF THE ROOF. "A" DISTANCE VARIES WITH THE ROOF PITCH. SEE TABLE ABOVE FOR THE "A" VALUE FOR YOUR REQUIRED ROOF PITCH.
2. THE ENDS OF RIDGE CAPS TO BE CAULKED AND LAPPED 4" AWAY FROM PREVAILING WIND. RIDGE CAPS TO BE STITCHED WITH TWO FASTENERS ON EACH SIDE.
3. "SS3-01-2" CEE CLOSURE TO BE FIELD CUT AND FORMED AS SHOWN ON PAGE "FSS316-6".
4. "B" DIMENSION VARIES WITH ROOF PITCH; SEE TABLE ABOVE FOR CORRECT VALUE.



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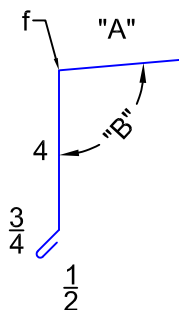
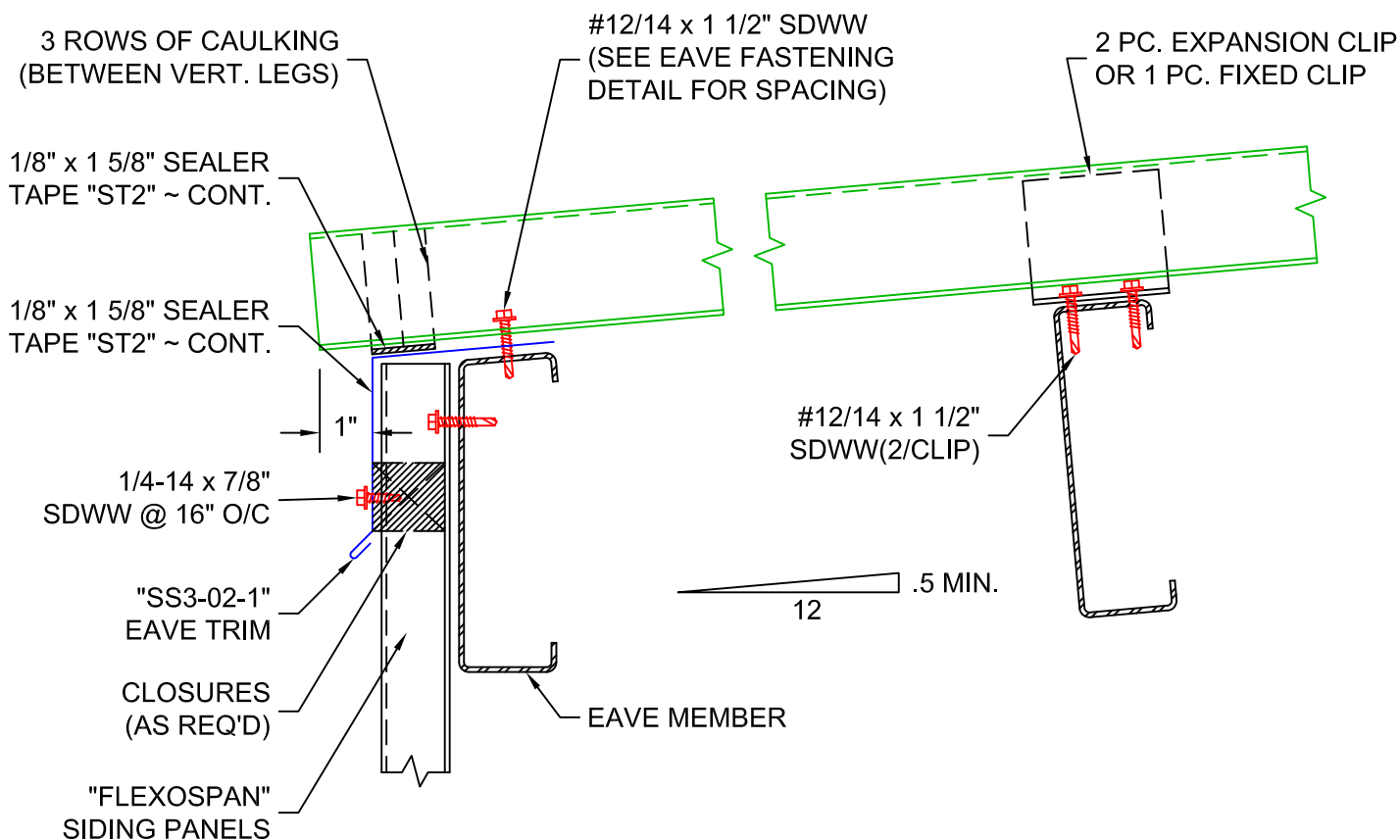
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RIDGE DETAIL

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FSS316-8



"SS3-02-1" EAVE TRIM

ROOF PITCH	"A" DIM.	"B" ANGLE
.5:12	5 1/4"	93°
1:12	5 1/2"	95°
2:12	5 15/16"	100°
3:12	6 3/8"	104°

ERECTOR NOTES:

1. "A" DIMENSION VARIES DUE TO CONSTRUCTION VARIATIONS.
2. "B" VARIES WITH ROOF PITCH; SEE TABLE ABOVE FOR CORRECT VALUE.



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**"FSS-316" STANDING SEAM
DETAILS**

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DATE: *8/14/25*

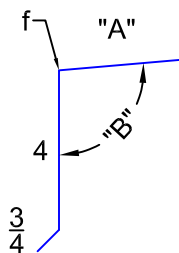
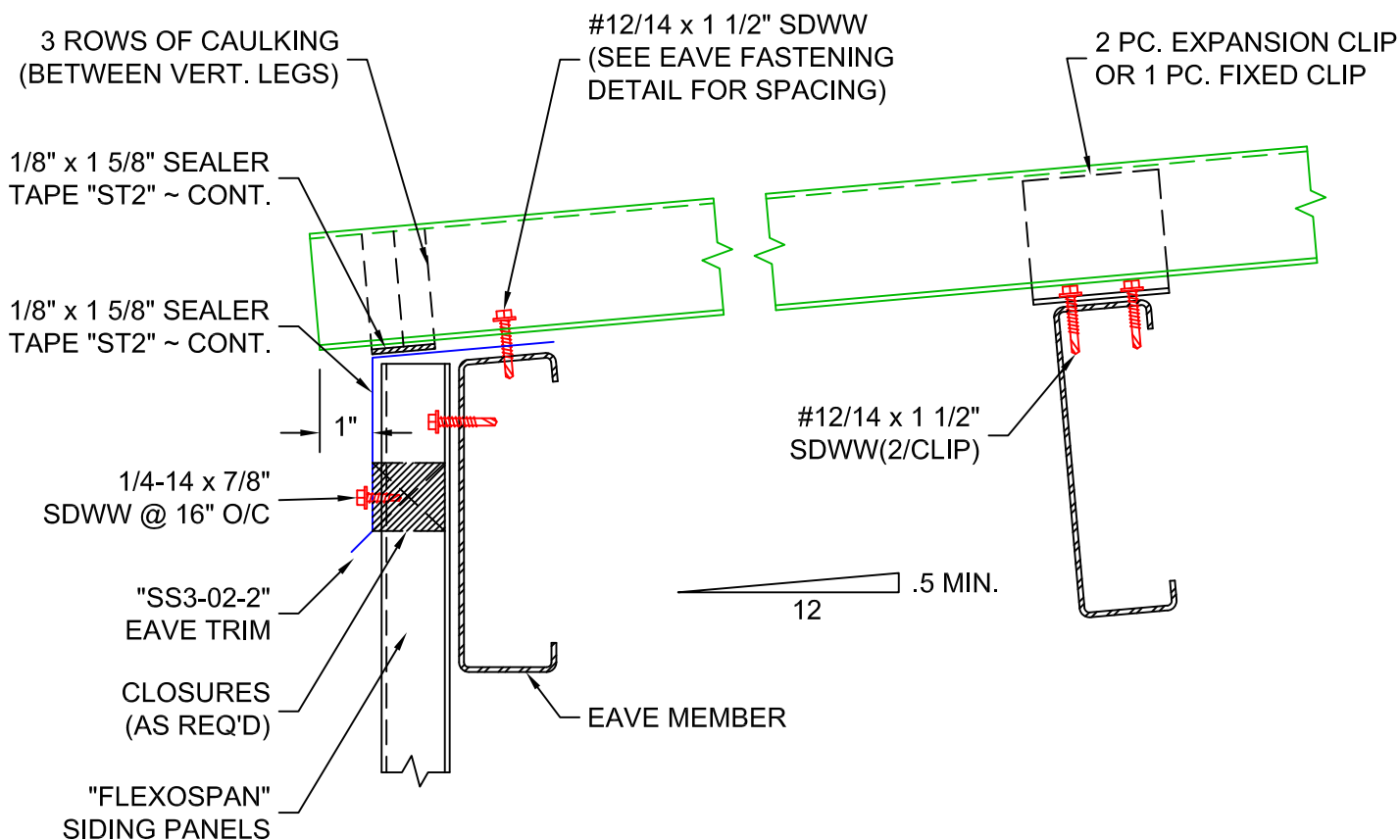
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EAVE DETAIL

DRAWING NO.

FSS316-9A



ROOF PITCH	"A" DIM.	"B" ANGLE
.5:12	5 1/4"	93°
1:12	5 1/2"	95°
2:12	5 15/16"	100°
3:12	6 3/8"	104°

"SS3-02-2" EAVE TRIM

ERECTOR NOTES:

1. "A" DIMENSION VARIES DUE TO CONSTRUCTION VARIATIONS.
2. "B" VARIES WITH ROOF PITCH; SEE TABLE ABOVE FOR CORRECT VALUE.



BOX 515 RAILROAD STREET
SANDY LAKE, PENNSYLVANIA 16145-0515
PHONE: 800-245-0396 • FAX: 724-376-3864

**"FSS-316" STANDING SEAM
DETAILS**

DRAWN BY: D. JUREY

DATE: 8/14/25

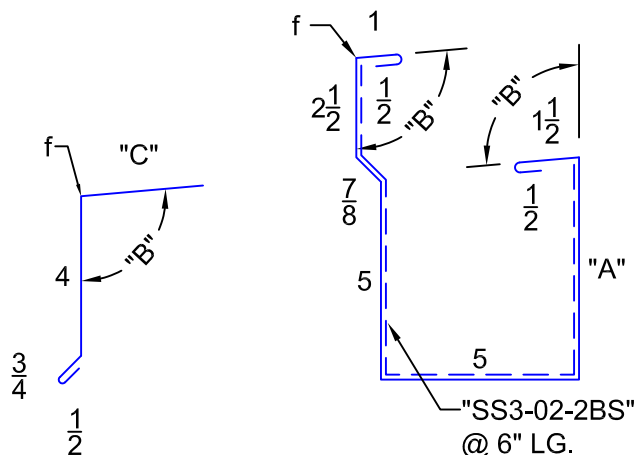
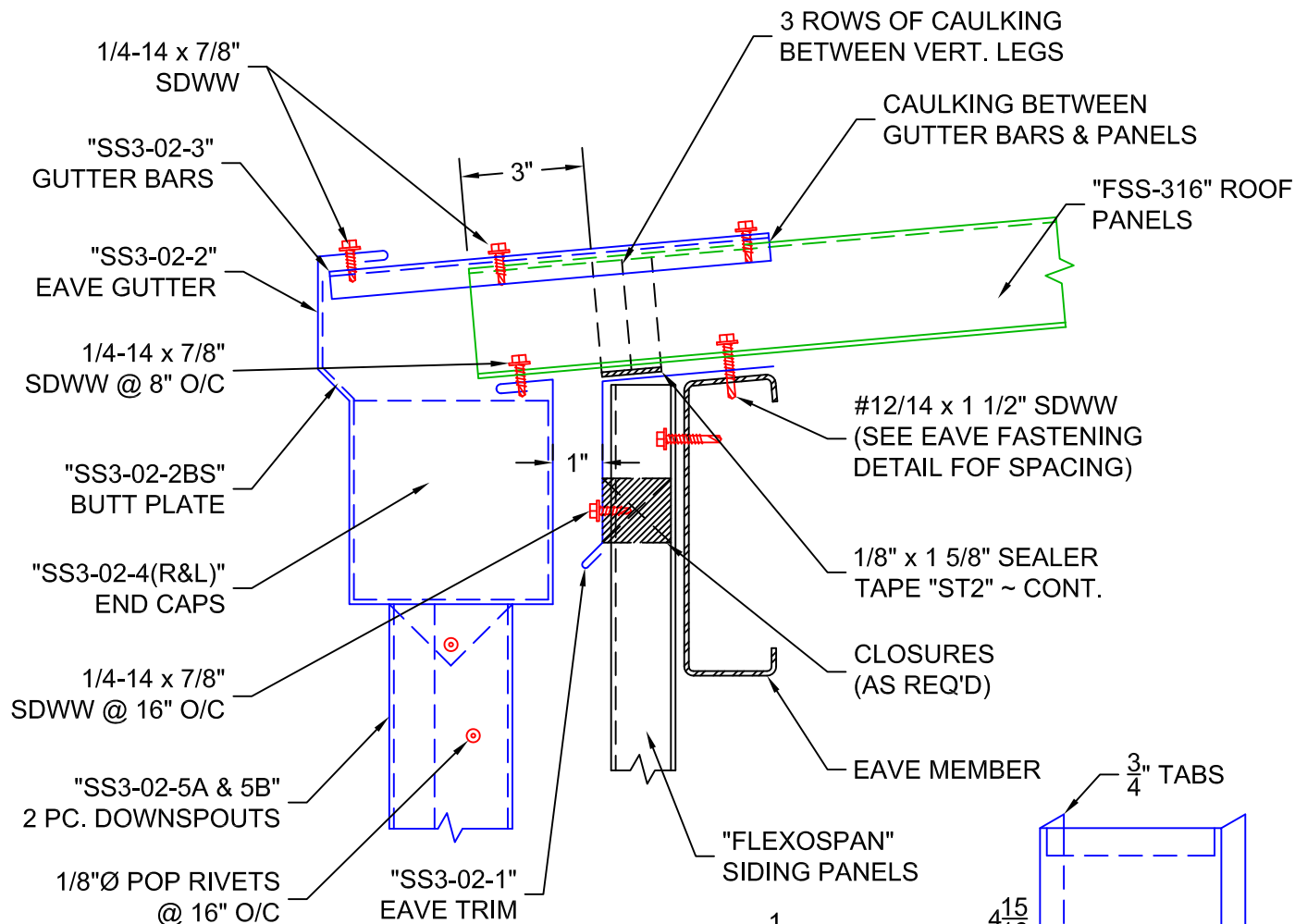
CHECKED BY:

DATE:

EAVE DETAIL

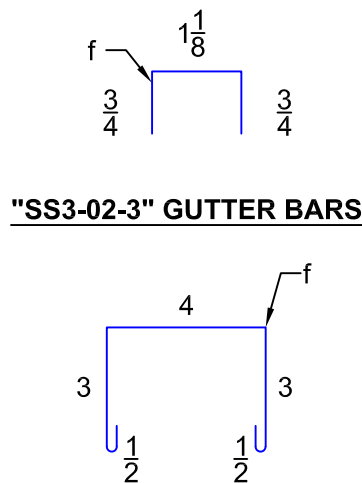
DRAWING NO.

FSS316-9B

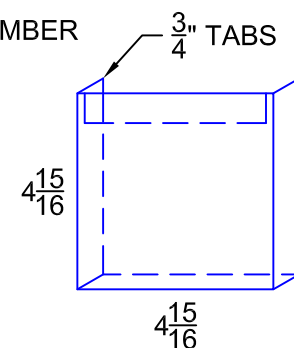


"SS3-02-1" EAVE TRIM

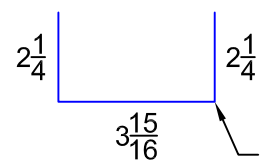
"SS3-02-2" EAVE GUTTER



"SS3-02-5A" 2 PC. DOWNS



"SS3-02-5B" 2 PC. DOWNS



ERECTOR NOTES:

1. "A" & "B" DIMENSIONS VARY WITH ROOF PITCH; SEE TABLE ON OPPOSITE PAGE FOR CORRECT VALUES.
2. "C" DIMENSION VARIES DUE TO CONSTRUCTION VARIATIONS.
3. ENDS OF GUTTERS @ BUTT STRIPS TO BE FIELD CAULKED & POP RIVETED.
4. FIELD LOCATE AND MARK DOWNSPOUT LOCATION IN BOTTOM OF GUTTER. DRAW LINE FROM CORNER TO CORNER AND CUT ALONG LINES. BEND TABS DOWN AND POP RIVET INSIDE DOWNSPOUT.
4. GUTTER SIZE AND GUTTER BAR SPACING MUST BE ADJUSTED TO SUIT LOCAL WEATHER PECULIARITIES AND/OR TO ACCOMMODATE LONG ROOF SLOPES.
5. FIELD FABRICATE ELBOWS FROM 10'-0" SECTIONS OF DOWNSPOUTS.



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**"FSS-316" STANDING SEAM
DETAILS**

DRAWN BY:

D. JUREY

DATE:

8/14/25

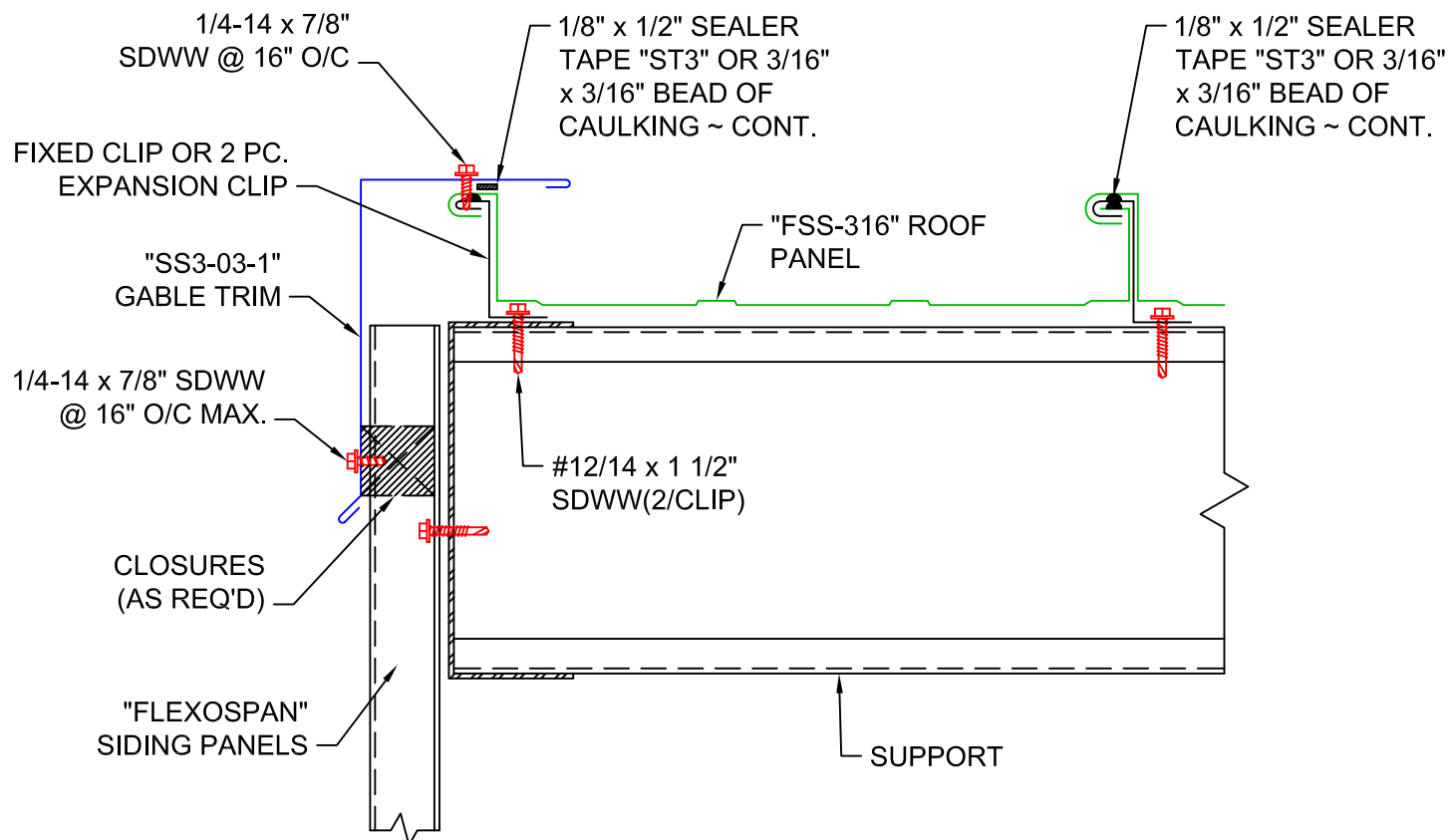
CHECKED BY:

DATE:

EAVE W/ GUTTER DETAIL

DRAWING NO.

FSS316-10A



"SS3-03-1" GABLE TRIM

ERECTOR NOTES:

1. THIS DETAIL IS TO BE USED ON PANEL LENGTHS OF 50'-0" OR LESS. EXPANSION DETAIL IS TO BE USED ON PANEL LENGTHS GREATER THAN 50'-0".
2. START GABLE TRIM @ EAVE & PROCEED UPWARDS CAULKING AND LAPPING EACH 4" MIN.
3. "A" DIMENSION VARIES DUE TO CONSTRUCTION VARIATIONS.



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**"FSS-316" STANDING SEAM
DETAILS**

DRAWN BY:

D. JUREY

DATE:

8/14/25

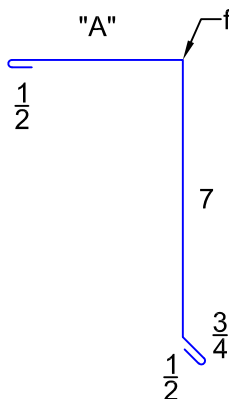
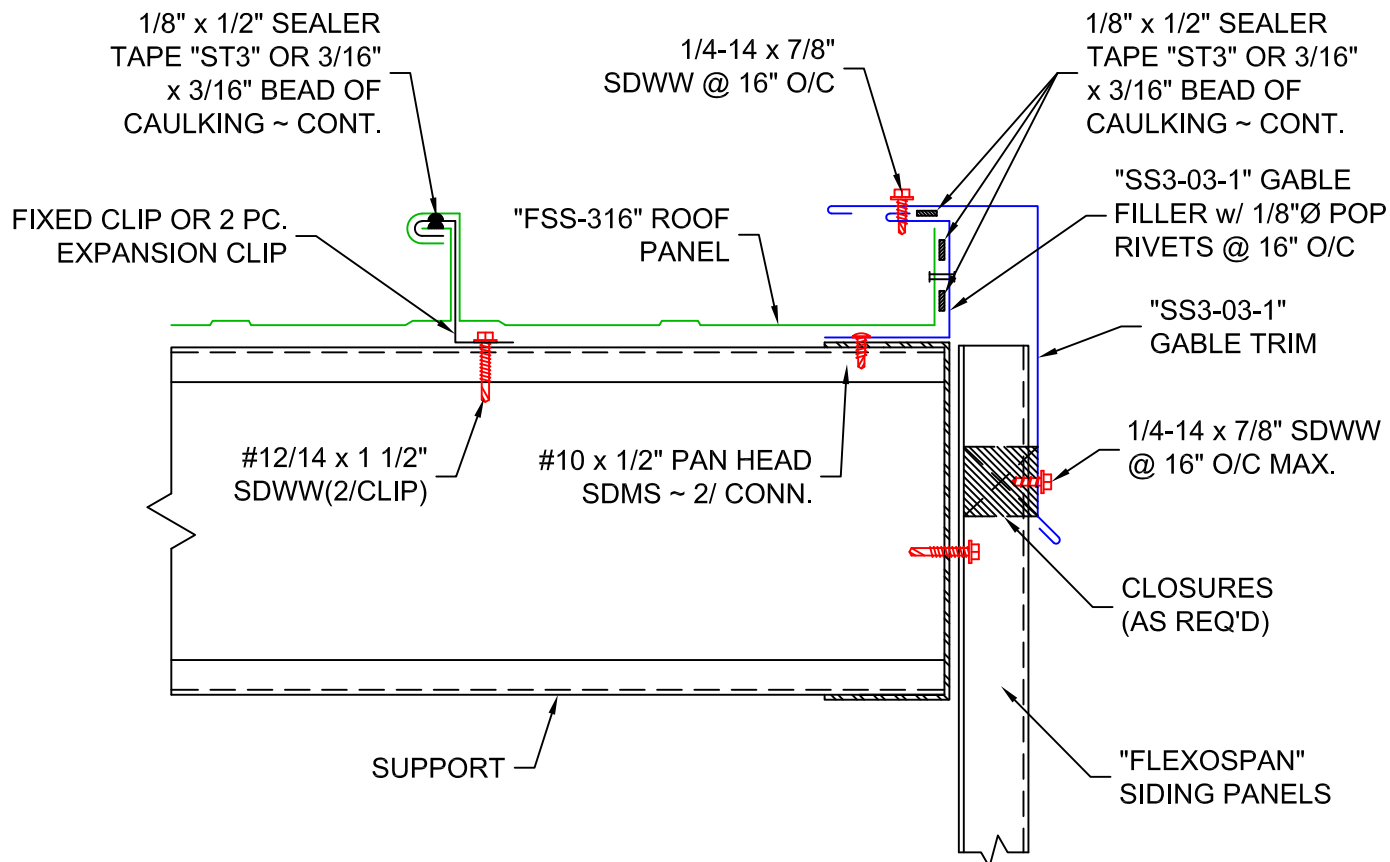
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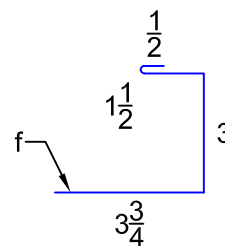
START GABLE DETAIL

DRAWING NO.

FSS316-II



"SS3-03-1" GABLE TRIM



"SS3-03-2" GABLE FILLER

ERECTOR NOTES:

1. THIS DETAIL IS TO BE USED ON PANEL LENGTHS OF 50'-0" OR LESS. EXPANSION DETAIL IS TO BE USED ON PANEL LENGTHS GREATER THAN 50'-0".
2. IF "FSS-316" ROOF PANEL DOES NOT END ON A HIGH RIB THEN THE PANEL MUST BE FIELD SLIT ALLOWING FOR 2 3/4" TO BE BENT INTO A VERTICAL LEG AND USED IN CONJUNCTION WITH THE "SS3-03-1" GABLE FILLER, SEALER TAPE, & POP RIVETS.
3. START GABLE TRIM @ EAVE & PROCEED UPWARDS CAULKING AND LAPPING EACH 4" MIN.
4. "A" DIMENSION VARIES DUE TO CONSTRUCTION VARIATIONS.



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**"FSS-316" STANDING
SEAM DETAILS**

DRAWN BY:

D. JUREY

DATE:

8/14/25

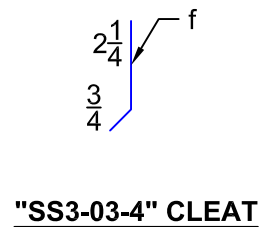
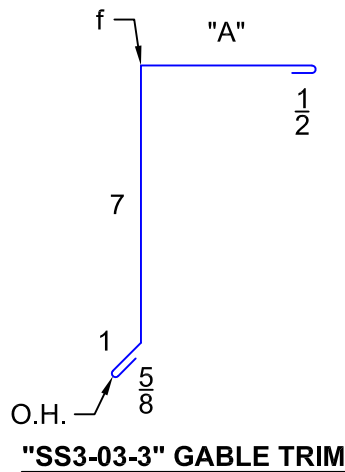
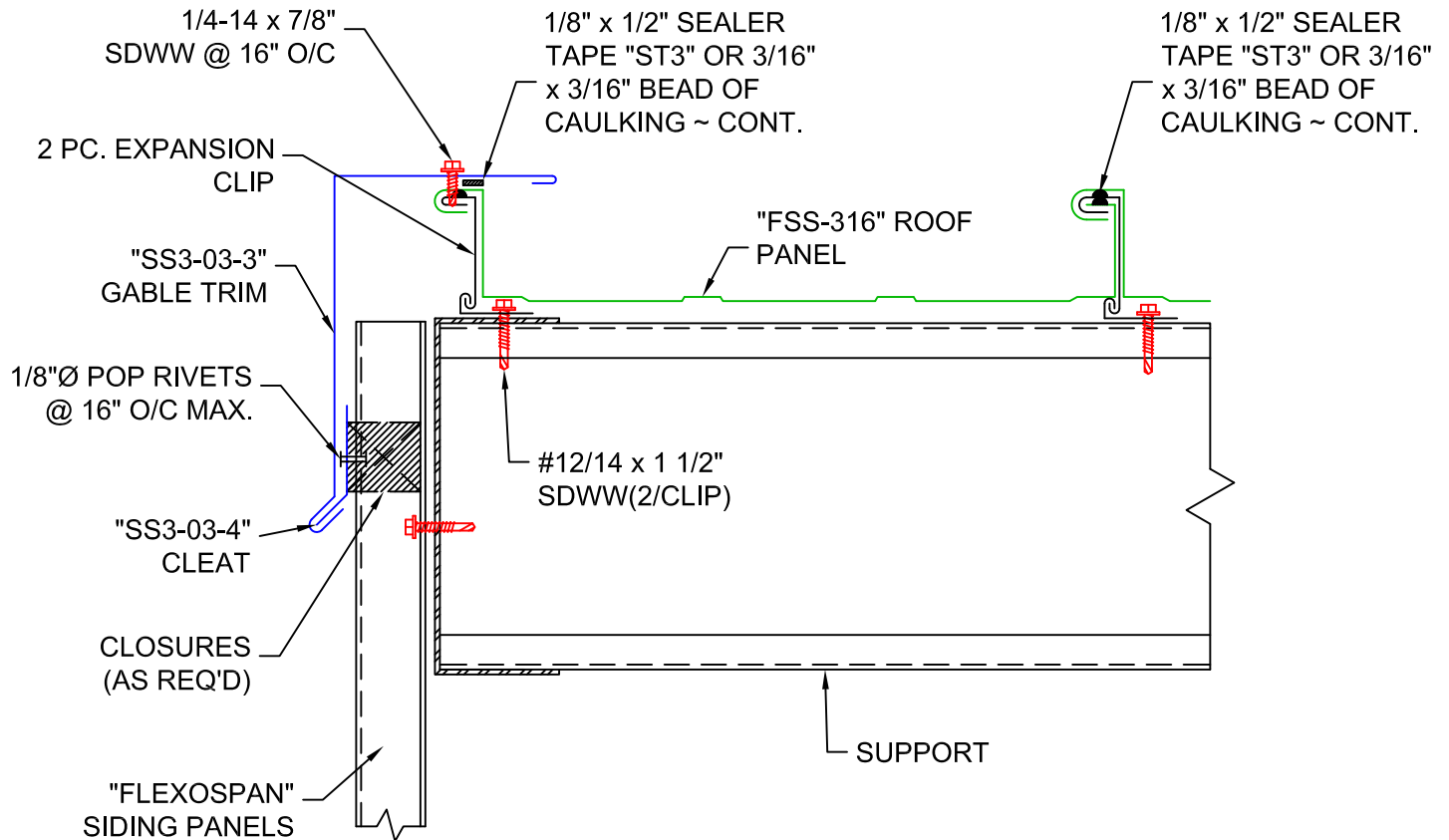
CHECKED BY:

DATE:

FINISH GABLE DETAIL

DRAWING NO.

FSS316-12



ERECTOR NOTES:

1. THIS DETAIL IS TO BE USED ON PANEL LENGTHS OF 50'-0" OR GREATER.
2. START GABLE TRIM @ EAVE & PROCEED UPWARDS CAULKING AND LAPPING EACH 4" MIN.
3. "A" DIMENSION VARIES DUE TO CONSTRUCTION VARIATIONS.
4. STAGGER END JOINTS OF GABLE TRIM & CLEAT.



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**"FSS-316" STANDING SEAM
DETAILS**

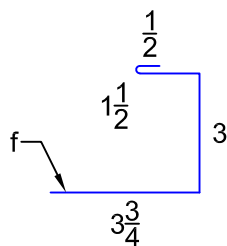
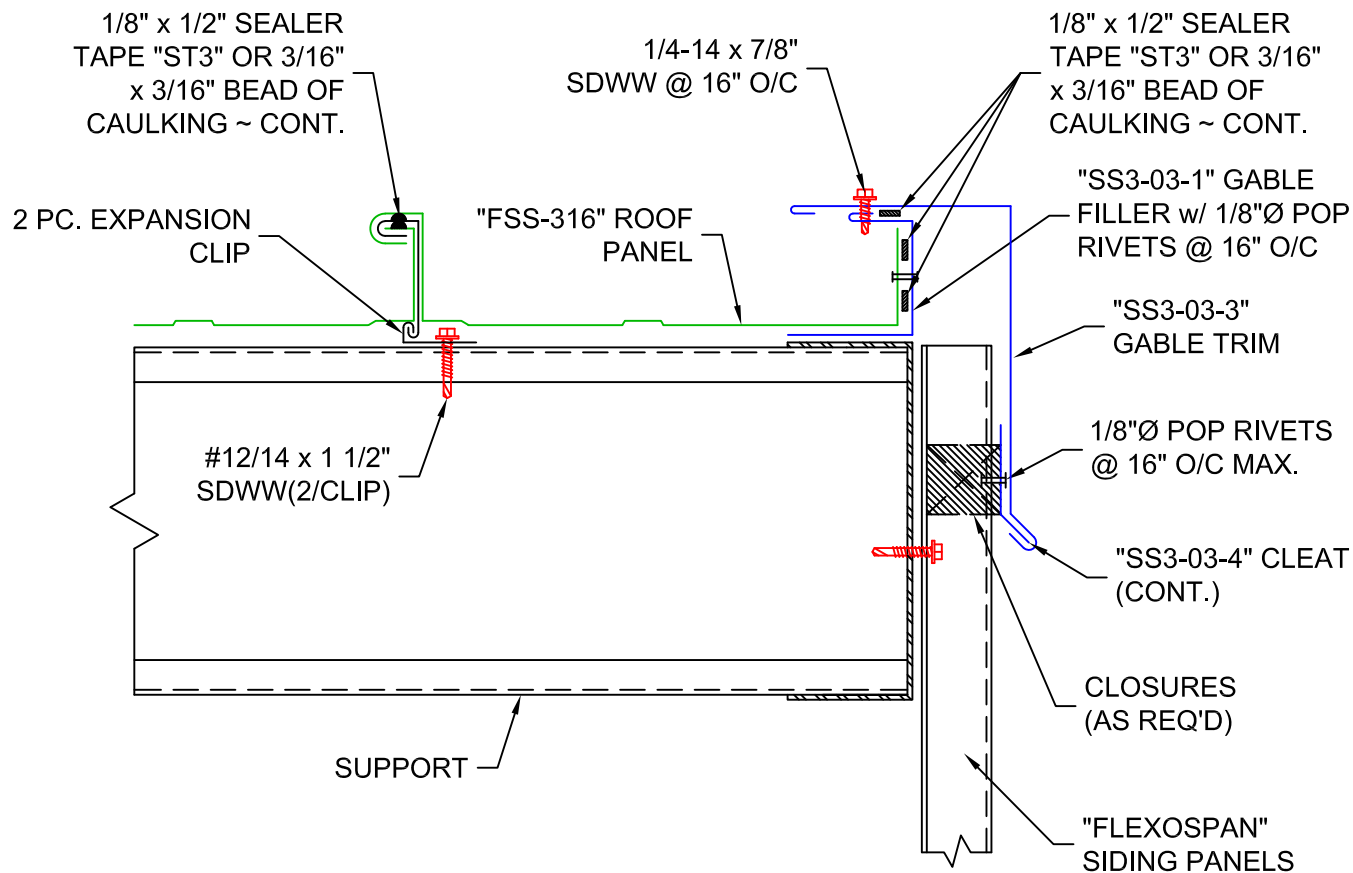
DRAWN BY: *D. JUREY*
CHECKED BY:

DATE: *8/14/25*
DATE:

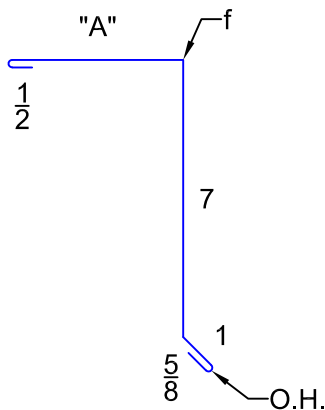
EXPANSION START GABLE
DETAIL

DRAWING NO.

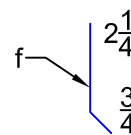
FSS316-13



"SS3-03-2" GABLE FILLER



"SS3-03-3" GABLE TRIM



"SS3-03-4" CLEAT

ERECTOR NOTES:

1. THIS DETAIL IS TO BE USED ON PANEL LENGTHS OF 50'-0" OR GREATER.
2. IF "FSS-316" ROOF PANEL DOES NOT END ON A HIGH RIB THEN THE PANEL MUST BE FIELD SLIT ALLOWING FOR 2 3/4" TO BE BENT INTO A VERTICAL LEG AND USED IN CONJUNCTION WITH THE "SS3-03-1" GABLE FILLER, SEALER TAPE, & POP RIVETS.
3. START GABLE TRIM @ EAVE & PROCEED UPWARDS CAULKING AND LAPPING EACH 4" MIN.
4. "A" DIMENSION VARIES DUE TO CONSTRUCTION VARIATIONS.
5. STAGGER END JOINTS OF GABLE TRIM & CLEAT A MINIMUM OF 1'-0".



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**"FSS-316" STANDING
SEAM DETAILS**

DRAWN BY:

D. JUREY

DATE:

8/14/25

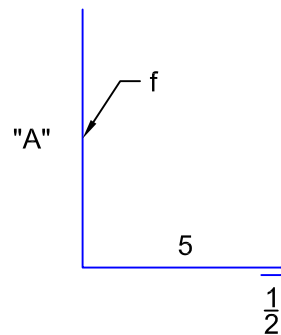
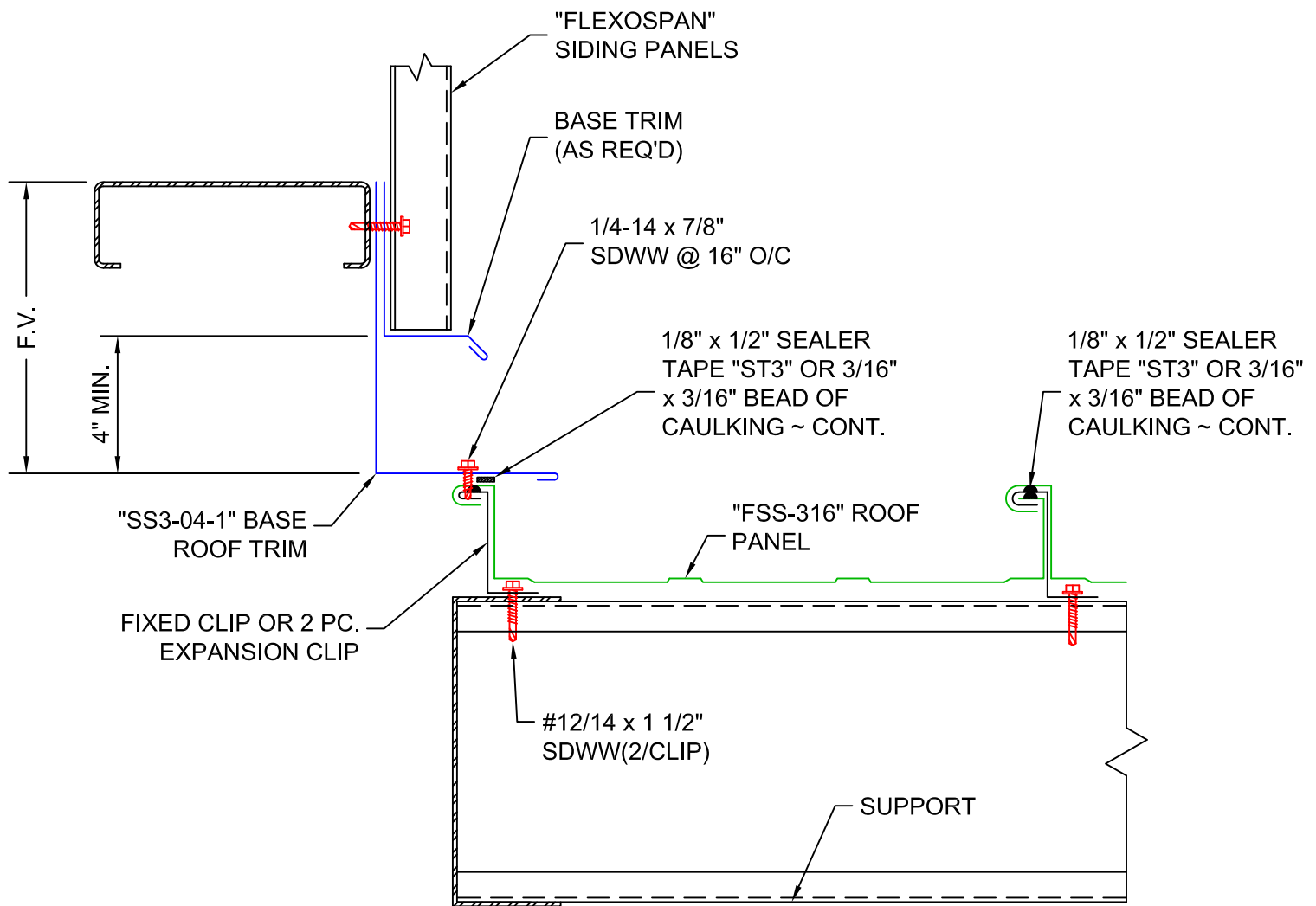
CHECKED BY:

DATE:

EXPANSION FINISH GABLE
DETAIL

DRAWING NO.

FSS316-14



"SS3-04-1" BASE ROOF TRIM

ERECTOR NOTES:

1. THIS DETAIL IS TO BE USED ON PANEL LENGTHS OF 50'-0" OR LESS. EXPANSION DETAIL IS TO BE USED ON PANEL LENGTHS GREATER THAN 50'-0".
2. START BASE ROOF TRIM @ EAVE & PROCEED UPWARDS CAULKING AND LAPPING EACH 4" MIN.
3. "A" DIMENSION VARIES DUE TO CONSTRUCTION VARIATIONS.



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**"FSS-316" STANDING SEAM
DETAILS**

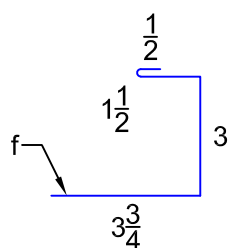
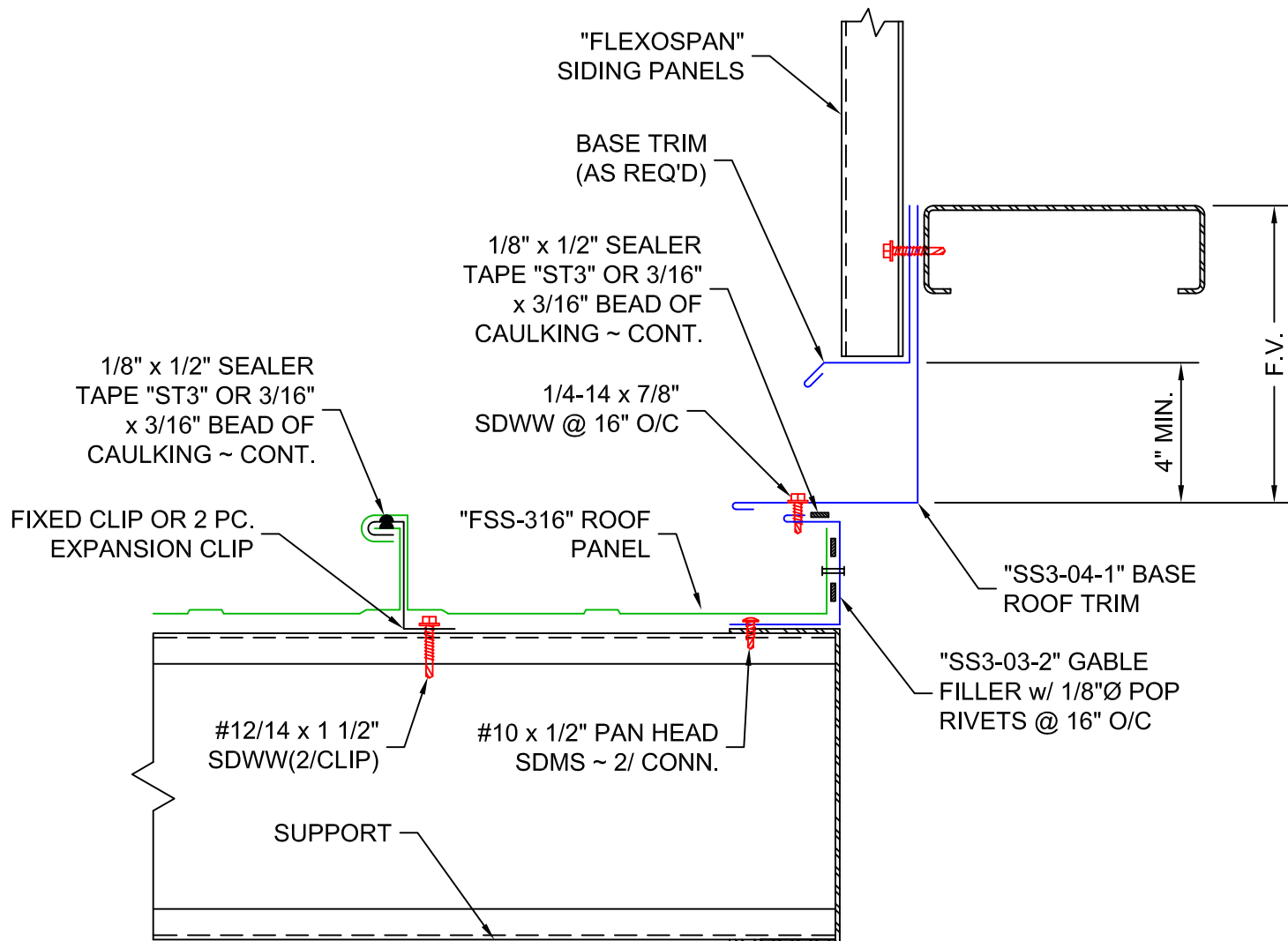
DRAWN BY: *D. JUREY*
CHECKED BY:

DATE: *8/14/25*
DATE:

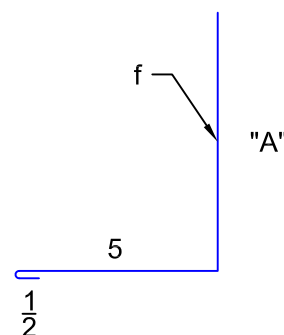
START BASE ROOF DETAIL

DRAWING NO.

FSS316-15



"SS3-03-2" GABLE FILLER



"SS3-04-1" BASE ROOF TRIM

ERECTOR NOTES:

1. THIS DETAIL IS TO BE USED ON PANEL LENGTHS OF 50'-0" OR LESS. EXPANSION DETAIL IS TO BE USED ON PANEL LENGTHS GREATER THAN 50'-0".
2. IF "FSS-316" ROOF PANEL DOES NOT END ON A HIGH RIB THEN THE PANEL MUST BE FIELD SLIT ALLOWING FOR 2 3/4" TO BE BENT INTO A VERTICAL LEG AND USED IN CONJUNCTION WITH THE "SS3-03-1" GABLE FILLER, SEALER TAPE, & POP RIVETS.
3. START BASE ROOF TRIM @ EAVE & PROCEED UPWARDS CAULKING AND LAPPING EACH 4" MIN.
4. "A" DIMENSION VARIES DUE TO CONSTRUCTION VARIATIONS.



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**"FSS-316" STANDING
SEAM DETAILS**

DRAWN BY:

D. JUREY

DATE:

8/14/25

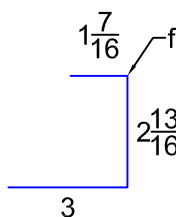
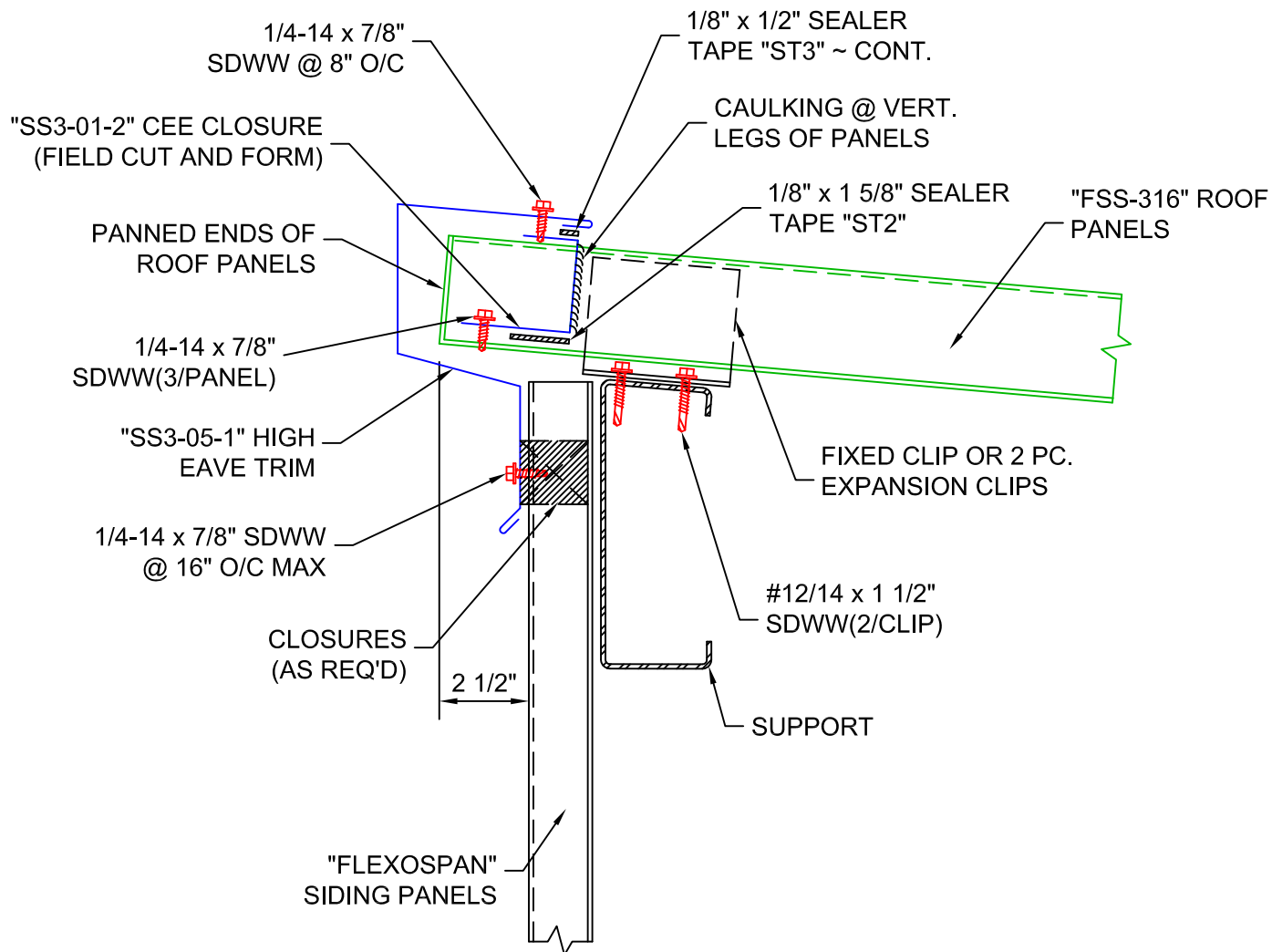
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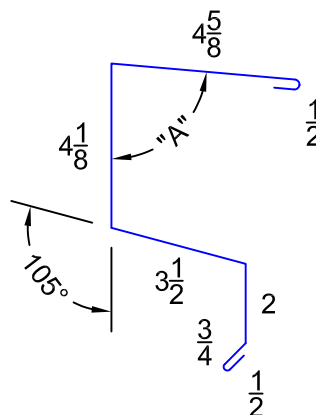
FINISH BASE ROOF
DETAIL

DRAWING NO.

FSS316-16



"SS3-01-2" CEE CLOSURE



"SS3-05-1" HIGH EAVE TRIM

ERECTOR NOTES:

1. THE ENDS OF ALL ROOF PANELS TO BE PANNED PRIOR TO INSTALLING THE "SS3-01-2" CEE CLOSURES.
2. THE ENDS OF HIGH EAVE TRIM TO BE CAULKED AND LAPPED 4" AWAY FROM PREVAILING WIND.
3. "SS3-01-2" CEE CLOSURE TO BE FIELD CUT AND FORMED AS SHOWN ON PAGE "FSS316-6".



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"FSS-316" STANDING SEAM DETAILS

DRAWN BY:

D. JUREY

DATE:

8/14/25

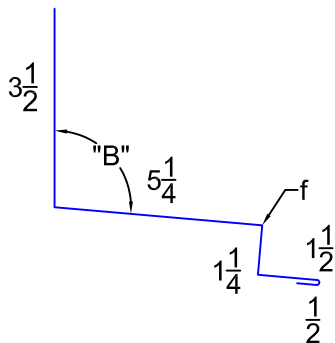
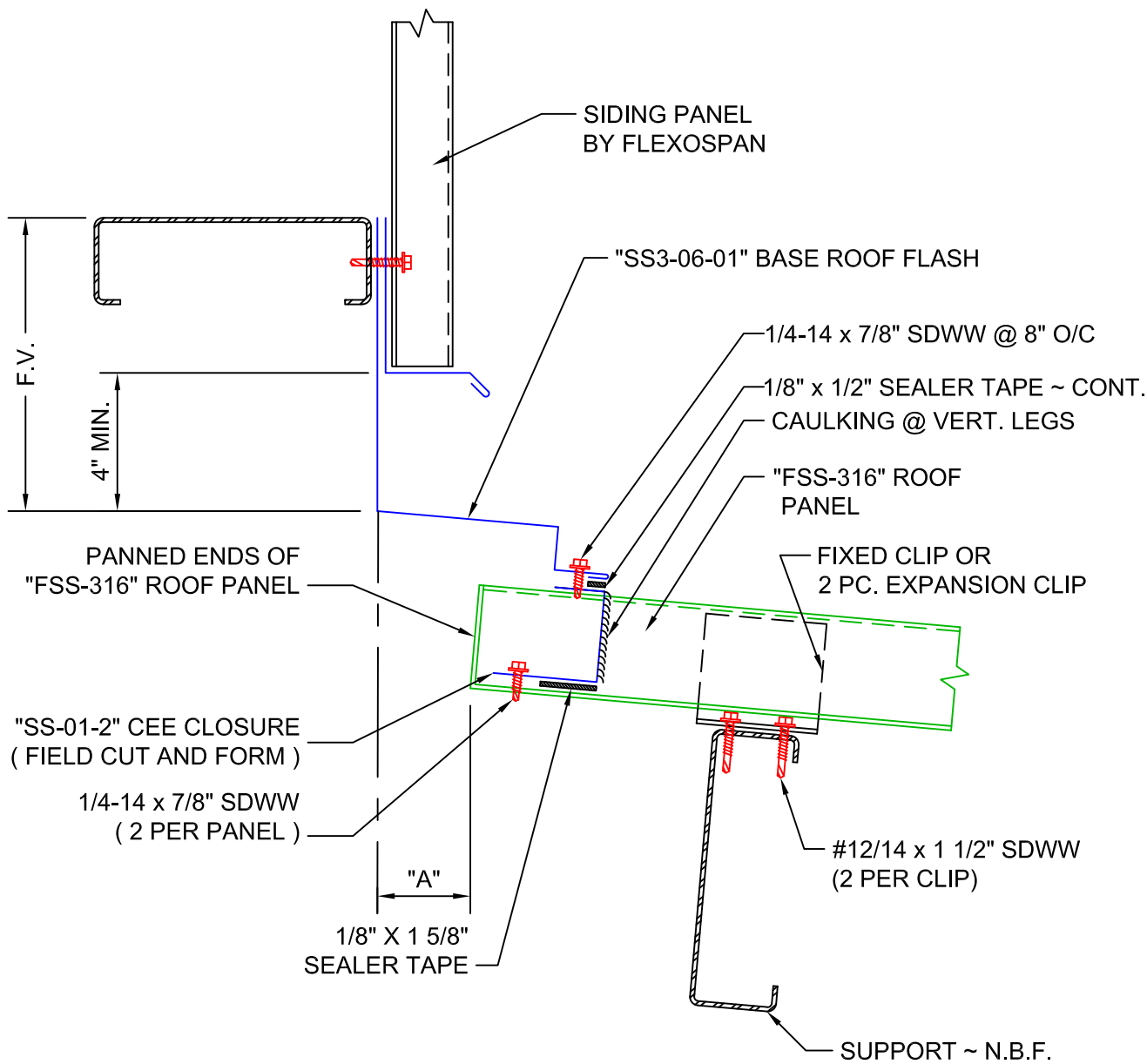
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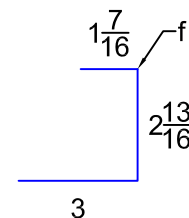
HIGH EAVE DETAIL

DRAWING NO.

FSS316-17



ROOF PITCH	"A" DIM.	"B" ANGLE
.5:12	3 1/8"	175°
1:12	2 7/8"	170°
2:12	2 1/2"	161°
3:12	2 1/8"	151°



"SS3-06-1" BASE ROOF FLASH

"SS3-01-2" CEE CLOSURE

ERECTOR NOTES:

1. THE ENDS OF ROOF SHEETS TO BE POSITIONED "A" DISTANCE AWAY FROM THE CENTERLINE OF THE ROOF. "A" DISTANCE VARIES WITH THE ROOF PITCH. SEE TABLE ABOVE FOR THE "A" VALUE FOR YOUR REQUIRED ROOF PITCH.
2. THE ENDS OF RIDGE CAPS TO BE CAULKED AND LAPPED 4" AWAY FROM PREVAILING WIND. RIDGE CAPS TO BE STITCHED WITH TWO FASTENERS ON EACH SIDE.
3. "SS3-01-2" CEE CLOSURE TO BE FIELD CUT AND FORMED AS SHOWN ON PAGE "FSS316-6".
4. "B" DIMENSION VARIES WITH ROOF PITCH; SEE TABLE ABOVE FOR CORRECT VALUE.



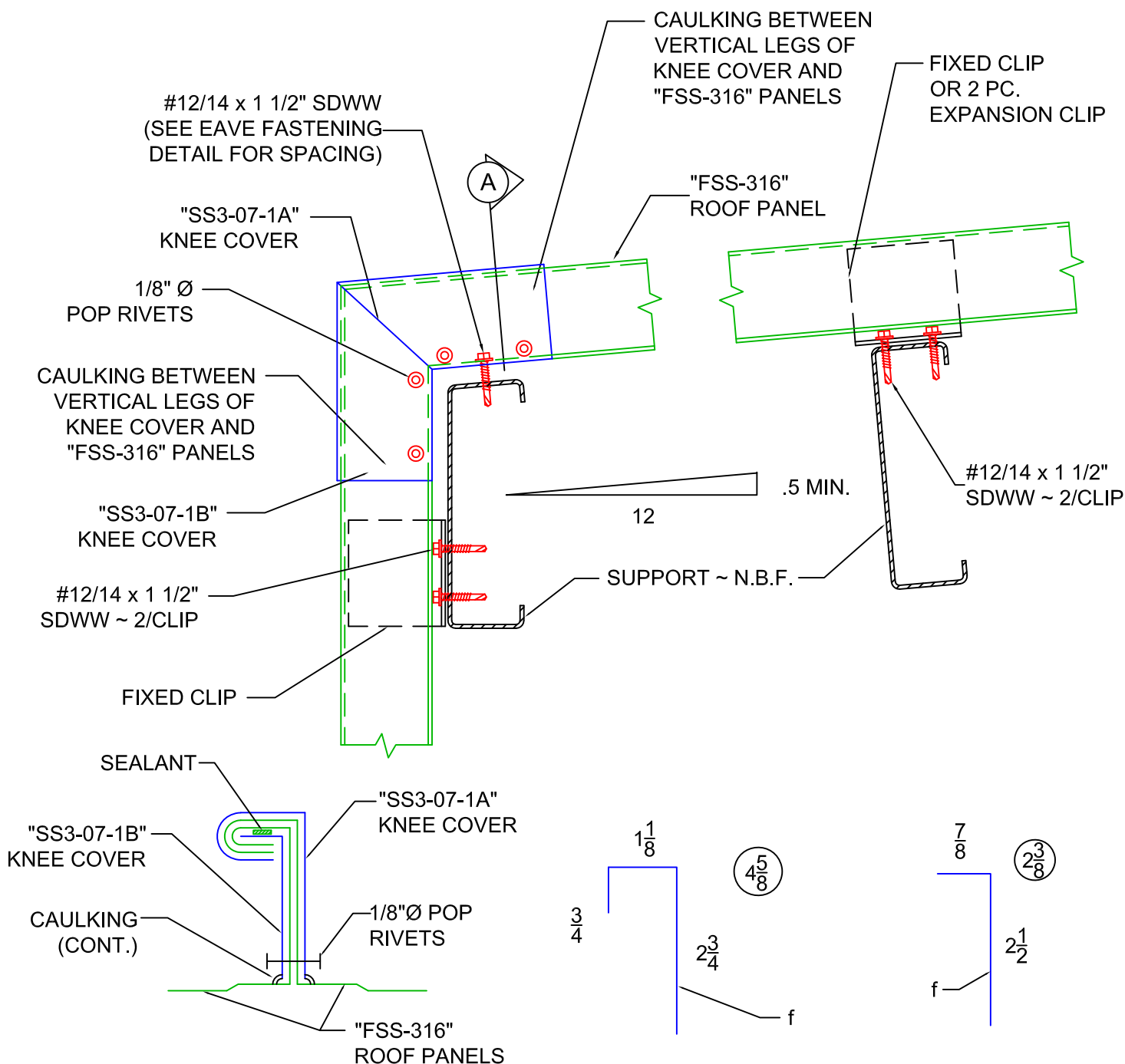
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**"FSS-316" STANDING SEAM
DETAILS**

DRAWN BY: D. JUREY DATE: 8-14-25
CHECKED BY: DATE:

BASE ROOF(HALF RIDGE)
DETAIL

DRAWING NO.
FSS316-18



SECTION "A"

"SS3-07-1A" KNEE COVER

"SS3-07-1B" KNEE COVER

ERECTOR NOTES:

1. FIELD MITER "FSS-316" ROOF PANEL @ EAVE AND BEND PANEL DOWN OVER FASCIA. CUT 1'-0" PIECES FROM 10'-0" SECTIONS OF "SS3-07-1A" & "SS3-07-1B" KNEE COVERS. MITER KNEE COVERS ACCORDING TO ROOF SLOPE AND APPLY THE COVERS OVER ROOF PANELS. CAULK AND POP RIVET COVERS TO PANELS THRU VERTICAL LEGS. HAND SEAM KNEE COVERS TO PANELS.



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"FSS-316" STANDING SEAM DETAILS

DRAWN BY:

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DATE:

8-18-25

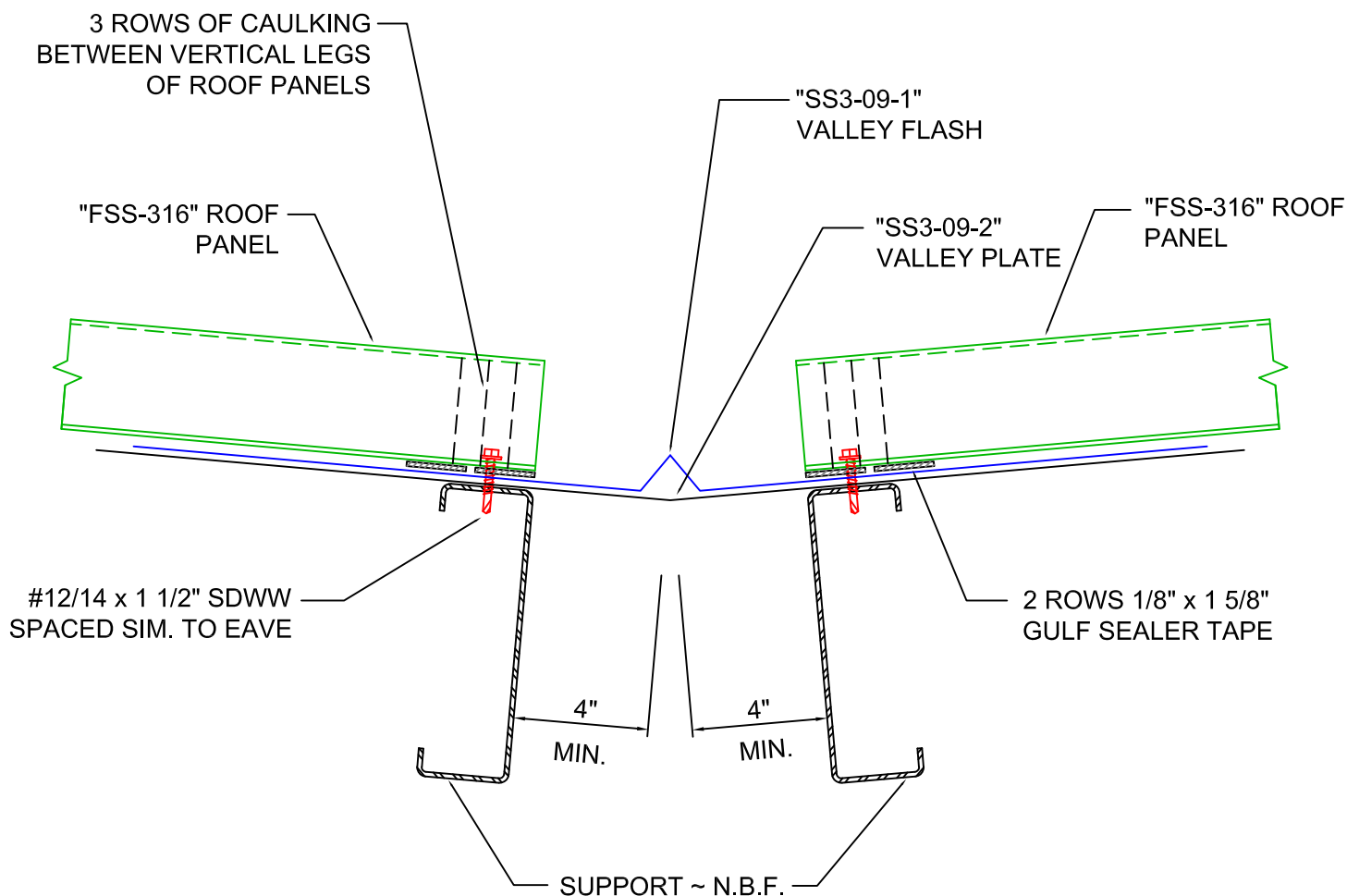
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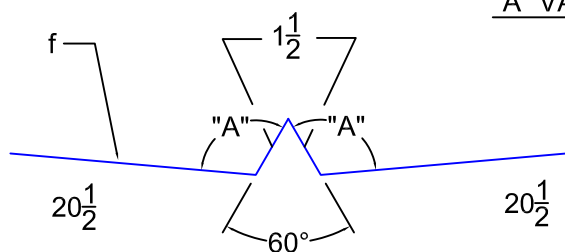
KNEE COVER DETAIL

DRAWING NO.

FSS316-19



"A" VARIES PER ROOF PITCH



"SS3-09-1" VALLEY FLASHING



"SS3-09-2" VALLEY PLATE

(18 GA. MIN.)

ERECTOR NOTES:

1. START VALLEY FLASHING & PLATE @ LOW POINT AND PROCEED UPWARDS; LAPPING AND CAULKING EACH 12". CAULKING SHOULD BE USED LIBERALLY TO INSURE A WEATHERTIGHT SEAL. LAPS OF VALLEY FLASHING & PLATE SHOULD BE STAGGERED A MINIMUM OF 2'-0".



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"FSS-316" STANDING SEAM DETAILS

DRAWN BY: D. JUREY

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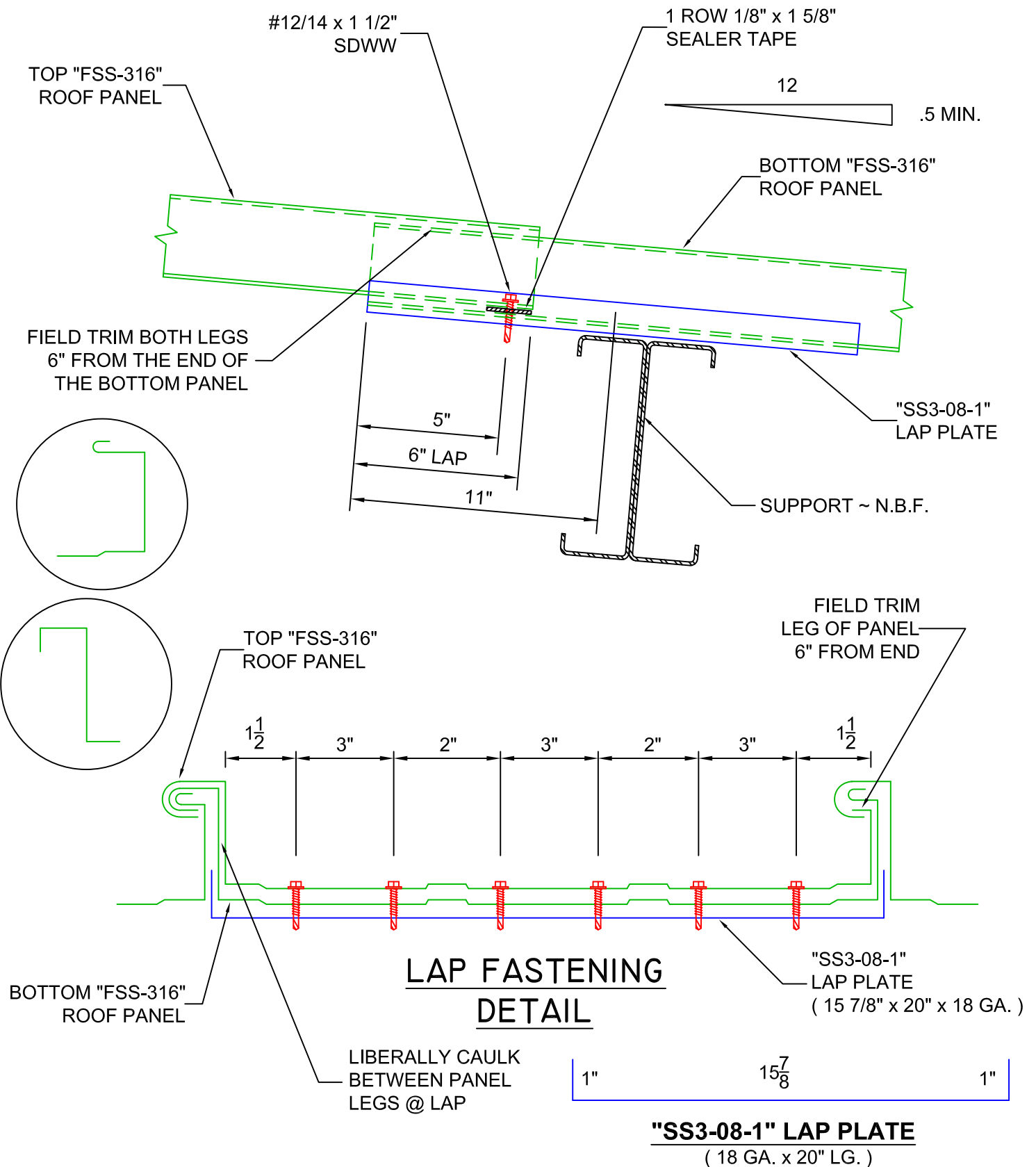
CHECKED BY:

DATE:

VALLEY DETAIL

DRAWING NO.

FSS316-20



ERECTOR NOTES:

1. PANEL CLIP IS NOT SHOWN FOR CLARITY, BUT MUST BE USED @ PURLIN.
2. SPLICES ARE TO BE STAGGERED FROM PURLIN TO PURLIN.



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"FSS-316" STANDING SEAM DETAILS

DRAWN BY: D. UREY

DATE: 8-18-25

CHECKED BY:

DATE:

LAP DETAIL

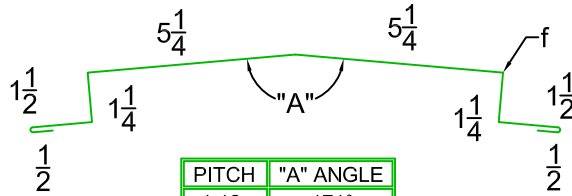
DRAWING NO.

FSS316-21

"FSS-316" STANDARD TRIM SKETCHES

GA. # _____ COLOR _____

17

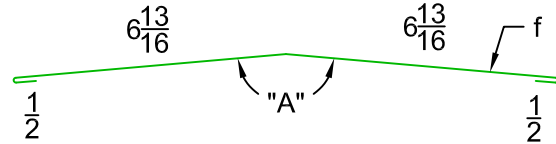


PITCH	"A" ANGLE
1:12	171°
2:12	161°
3:12	152°
4:12	143°
5:12	135°

REQ'D: _____ PCS. @ 10'-0" LG.

GA. # _____ COLOR _____

14 ⁵/₈



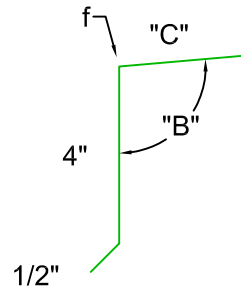
PITCH	"A" ANGLE
1:12	171°
2:12	161°
3:12	152°
4:12	143°
5:12	135°

REQ'D: _____ PCS. @ 10'-0" LG.

"SS3-01-1" RIDGE CAP

"SS3-01-1A" RIDGE CAP

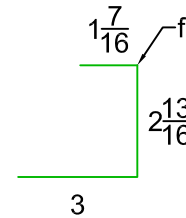
GA. # _____ COLOR _____



REQ'D: _____ PCS. @ 10'-0" LG.

GA. # _____ COLOR _____

7 ¹/₄



REQ'D: _____ PCS. @ 10'-0" LG.

"SS3-02-2" EAVE TRIM

"SS3-01-2" CEE CLOSURE

NOTES:

1. ALL TRIM IS MANUFACTURED IN 10'-0" LENGTHS UNLESS SPECIFIED OTHERWISE.
2. MAXIMUM LENGTH OF TRIM IS 10'-0".
3. PLEASE INSERT GAUGE OF MATERIAL IN SPACES PROVIDED.
4. PLEASE INSERT COLOR OF MATERIAL IN SPACES PROVIDED.
5. PLEASE INSERT QUANTITY DESIRED WHERE SHOWN.
6. PLEASE INSERT REQ'D DIMENSIONS.



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"FSS-316" STANDING SEAM DETAILS

DRAWN BY:

D. JUREY

DATE:

8-18-25

REVISED BY:

DATE:

"FSS-316" STANDARD TRIM SKETCHES

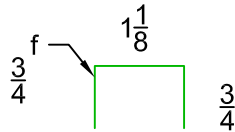
DRAWING NO.

FSS316-22

"FSS-316" STANDARD TRIM SKETCHES

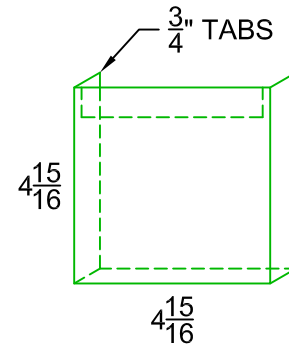
GA. # _____ COLOR _____

2 $\frac{5}{8}$



REQ'D: _____ PCS. @ 1'-0" LG.

GA. # _____ COLOR _____

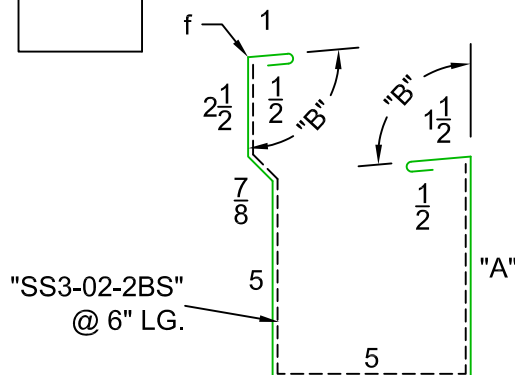


REQ'D: _____ PCS. @ 6" LG.

"SS3-02-3" GUTTER BARS

"SS3-02-4R" END CAPS ("SS3-02-4L" OPP. HAND)

GA. # _____ COLOR _____

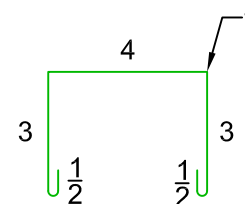


"SS3-02-2BS"
@ 6" LG.

REQ'D: _____ PCS.

GA. # _____ COLOR _____

11



REQ'D: _____ PCS. @ 10'-0" LG.

"SS3-02-2" EAVE GUTTER "SS3-02-5A" 2 PC. DOWNS

NOTES:

1. ALL TRIM IS MANUFACTURED IN 10'-0" LENGTHS UNLESS SPECIFIED OTHERWISE.
2. MAXIMUM LENGTH OF TRIM IS 10'-0".
3. PLEASE INSERT GAUGE OF MATERIAL IN SPACES PROVIDED.
4. PLEASE INSERT COLOR OF MATERIAL IN SPACES PROVIDED.
5. PLEASE INSERT QUANTITY DESIRED WHERE SHOWN.
6. PLEASE INSERT REQ'D DIMENSIONS.



BOX 515 RAILROAD STREET
SANDY LAKE, PENNSYLVANIA 16145-0515
PHONE: 800-245-0396 • FAX: 724-376-3864

"FSS-316" STANDING SEAM DETAILS

DRAWN BY: D. JUREY

DATE: 8-19-25

REVISED BY:

DATE:

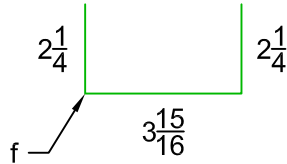
"FSS-316" STANDARD TRIM
SKETCHES

DRAWING NO.

FSS316-23

"FSS-316" STANDARD TRIM SKETCHES

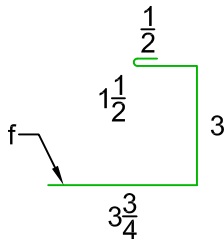
GA.	# _____ COLOR _____
8 7/16"	



REQ'D: _____ PCS. @ 10'-0" LG.

"SS-02-5B" 2 PC. DOWNS.

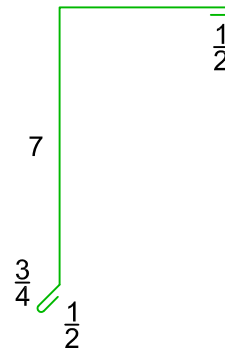
GA.	# _____ COLOR _____
8 3/4"	



REQ'D: _____ PCS. @ 10'-0" LG.

"SS3-03-2" GABLE FILLER

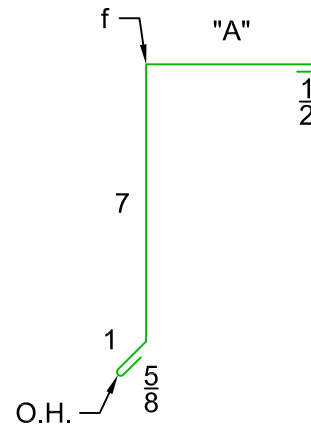
GA.	# _____ COLOR _____
"A"	



REQ'D: _____ PCS. @ 10'-0" LG.

"SS3-03-1" GABLE TRIM

GA.	# _____ COLOR _____
"A"	



REQ'D: _____ PCS. @ 10'-0" LG.

"SS3-04-1" BASE ROOF

NOTES:

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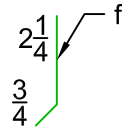
"FSS-316" STANDARD TRIM SKETCHES

DRAWING NO.

FSS316-24

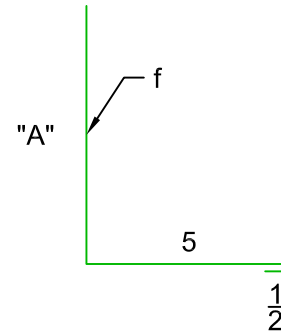
"FSS-316" STANDARD TRIM SKETCHES

GA.	# _____ COLOR _____
3	



REQ'D: _____ PCS. @ 10'-0" LG.

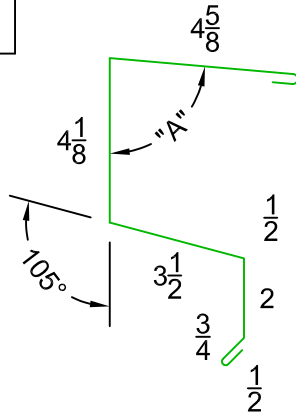
GA.	# _____ COLOR _____



REQ'D: _____ PCS. @ 10'-0" LG.

"SS3-03-4" CLEAT

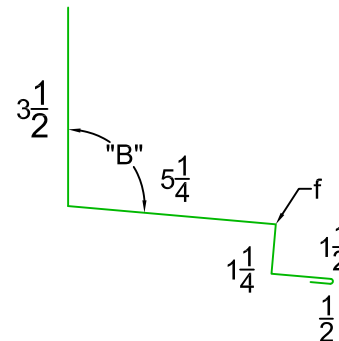
GA.	# _____ COLOR _____
16	



REQ'D: _____ PCS. @ 10'-0" LG.

"SS3-04-1" BASE ROOF TRIM

GA.	# _____ COLOR _____
12	



REQ'D: _____ PCS. @ 10'-0" LG.

"SS3-05-1" HIGH EAVE TRIM

"SS3-06-1" BASE ROOF FLASH

NOTES:

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"FSS-316" STANDING SEAM DETAILS

DRAWN BY:

D. JUREY

DATE:

8/19/25

REVISED BY:

DATE:

"FSS-316" STANDARD TRIM
SKETCHES

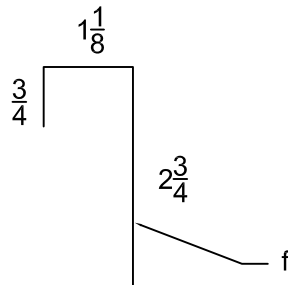
DRAWING NO.

FSS316-25

"FSS-316" STANDARD TRIM SKETCHES

GA. # _____ COLOR _____

$4\frac{5}{8}$



REQ'D: _____ PCS. @ 1'-8" LG.

GA. # _____ COLOR _____

$2\frac{3}{8}$

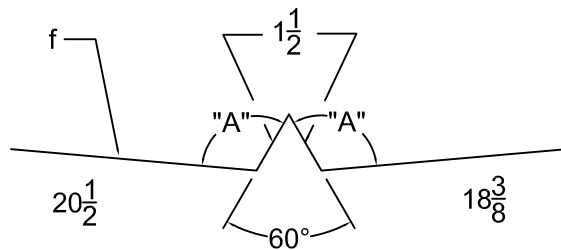


REQ'D: _____ PCS. @ 10'-0" LG.

"SS3-07-1A" KNEE COVER

GA. # _____ COLOR _____

41 7/8



REQ'D: _____ PCS. @ 10'-0" LG.

"SS3-09-1" VALLEY FLASHING

GA. # _____ COLOR _____

44"



(18 GA. MIN.)

REQ'D: _____ PCS. @ 10'-0" LG.

"SS3-09-2" VALLEY PLATE

NOTES:

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DRAWN BY:

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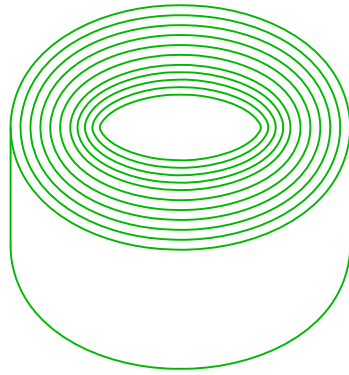
DATE:

"FSS-316" STANDARD TRIM SKETCHES

DRAWING NO.

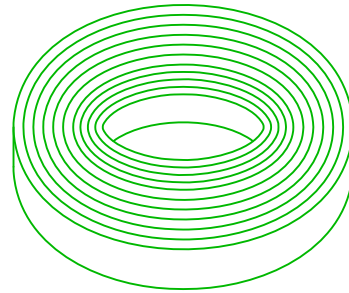
FSS316-26

"FSS-316" STANDARD ACCESSORIES



REQ'D: _____ ROLLS @ 30'-0"

1/8" x 1 5/8" SEALER TAPE "ST2"



REQ'D: _____ ROLLS @ 35'-0" LG.

1/8" x 1/2" SEALER TAPE "ST3"

SHEETING
SCREWS



#12/14 x 1 1/2" SDWW

REQ'D: _____ PCS.

LAP & TRIM
SCREWS



1/4-14 x 7/8" SDWW

REQ'D: _____ PCS.

STANDARD FASTENERS

NOTES:

1. EAVE PLUG CLOSURES ARE A CLOSED CELL POLYETHYLENE FACTORY FORMED TO THE TRAPEZOIDAL AREA OF THE PANEL PROFILE AS SHOWN ABOVE.
2. SEALER TAPE IS A NON-DRYING, NON-SKINNING, BUTYL BASE TAPE SUPPLIED IN 3/32" THICK x 1/2" WIDE x 50' ROLLS.
3. FASTENERS ARE ZINC PLATED CARBON STEEL, 5/16" HEX HEAD, SELF DRILLING & SELF TAPPING METAL SCREWS. FASTENERS CAN BE SUPPLIED WITH PAINTED HEADS TO MATCH ROOFING OR SIDING.
4. CONTACT FACTORY FOR PRICE AND AVAILABILITY OF NON-STANDARD ACCESSORIES.



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PHONE: 800-245-0396 ° FAX: 724-376-3864

"FSS-316" STANDING SEAM DETAILS

DRAWN BY:

D. JUREY

DATE:

8/19/25

CHECKED BY:

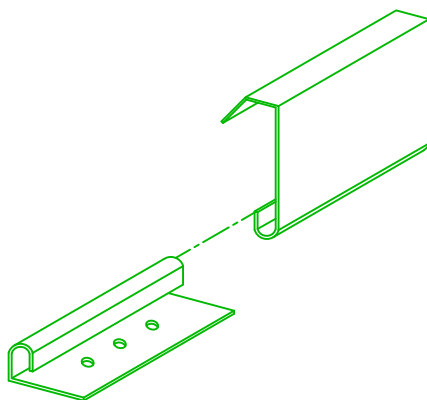
DATE:

"FSS-316" STANDARD
ACCESSORIES

DRAWING NO.

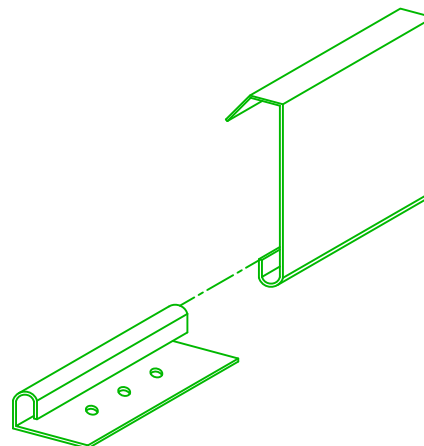
FSS316-27

"FSS-316" STANDARD ACCESSORIES



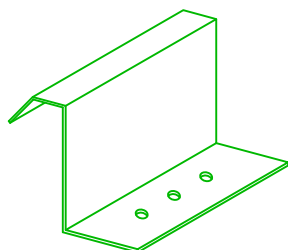
REQ'D: _____ PCS.

2 PC. EXPANSION CLIPS



REQ'D: _____ PCS.

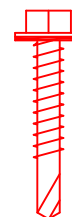
2 PC. EXPANSION CLIPS USED w/ INSULATION SHORTING BLOCKS



REQ'D: _____ PCS.

1 PC. FIXED CLIPS

CLIP
SCREWS



#12/14 x 1 1/2" SDWW

REQ'D: _____ PCS.

STANDARD CLIP FASTENERS

NOTES:

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3. FASTENERS ARE ZINC PLATED CARBON STEEL, 5/16" HEX HEAD, SELF DRILLING & SELF TAPPING METAL SCREWS. FASTENERS CAN BE SUPPLIED WITH PAINTED HEADS TO MATCH ROOFING OR SIDING.
4. CONTACT FACTORY FOR PRICE AND AVAILABILITY OF NON-STANDARD ACCESSORIES.



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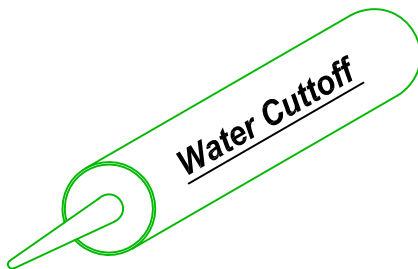
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ACCESSORIES

DRAWING NO.

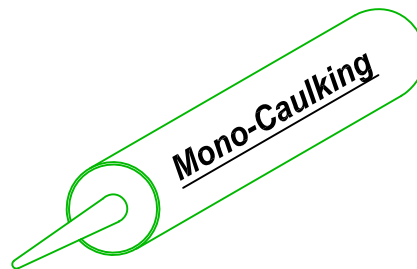
FSS316-28

"FSS-316" STANDARD ACCESSORIES



REQ'D: _____ TUBES(11 OZ.)

WATER CUTOFF CAULKING



REQ'D: _____ TUBES(11OZ.)

MONO-CAULKING

NOTES:

1. CONTACT FACTORY FOR PRICE AND AVAILABILITY OF NON-STANDARD ACCESSORIES.



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"FSS-316" STANDING SEAM DETAILS

DRAWN BY: D. JUREY

CHECKED BY:

DATE: 8-18-25

DATE:

"FSS-316" STANDARD
ACCESSORIES

DRAWING NO.

FSS316-29