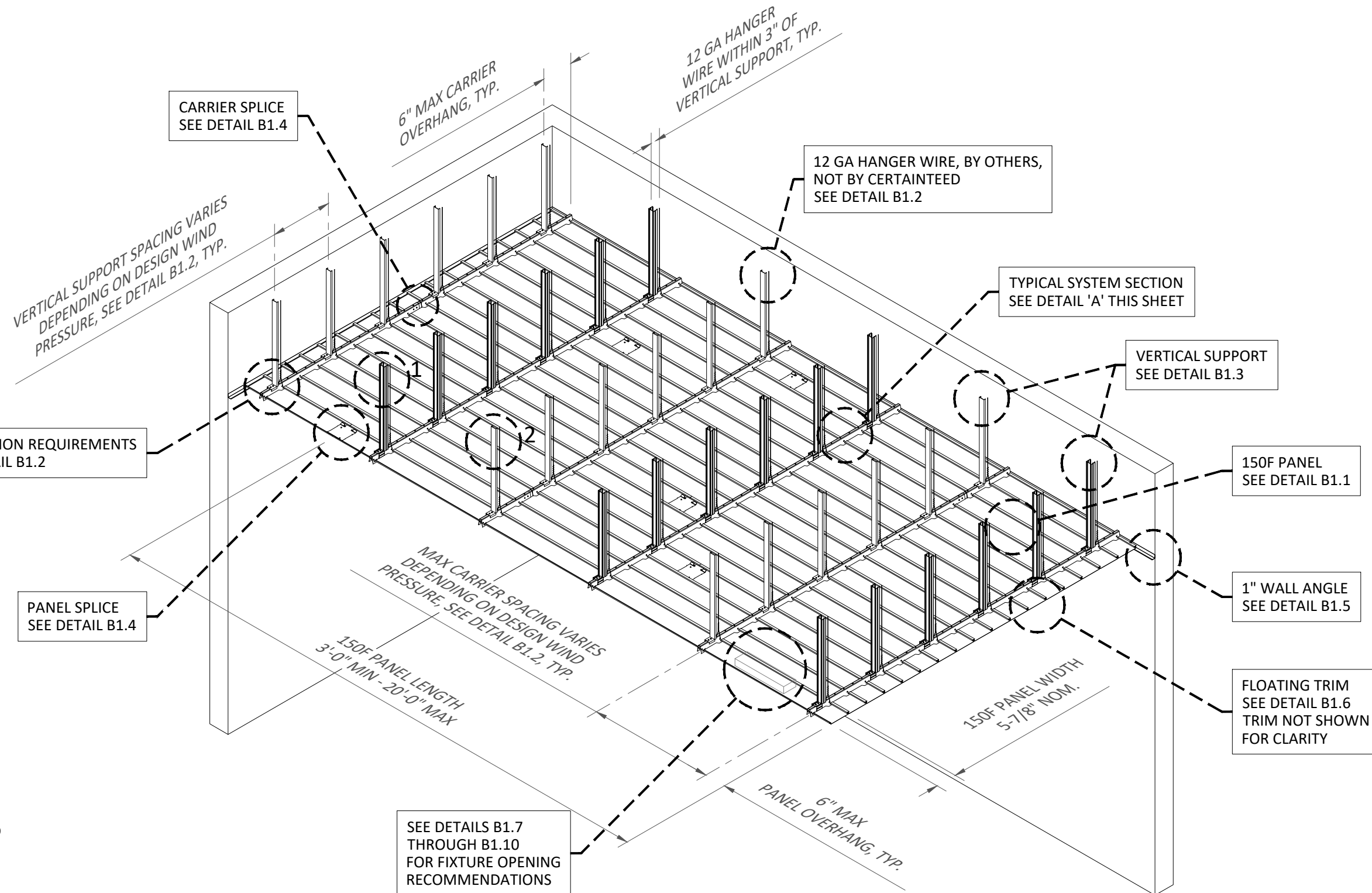


**TYPICAL SYSTEM SECTION**

SCALE: 3" = 1'-0"



- 1** STE-20 2-1/2" 20 GA GALV. STEEL STUD
- 2** 1/2 X 1-1/2" 16 GA. GALV. CRC  
SEE DETAIL B1.3 FOR VERTICAL SUPPORT REQUIREMENTS

**EXTERIOR INSTALLATION**



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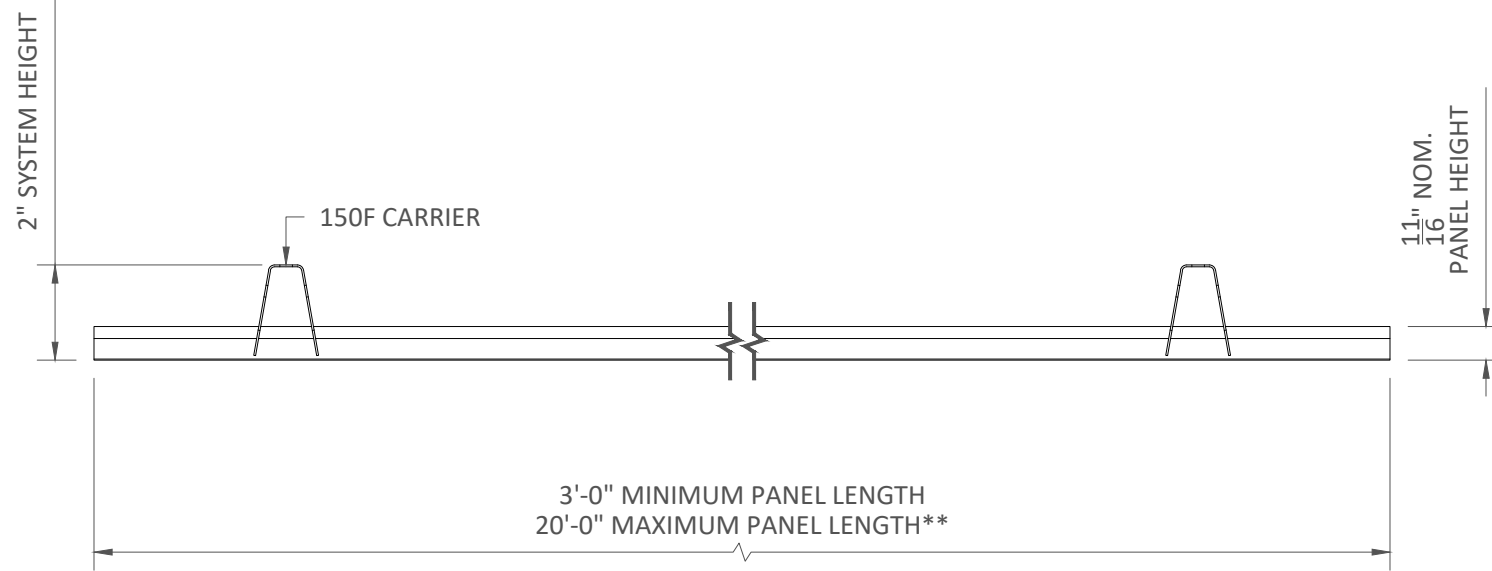
**SPECIFICATIONS**

(unless noted otherwise)  
 MATERIAL: .025" ALUMINIUM 150F PANEL | .040" ALUMINIUM 150F CARRIER  
 FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE  
 PERFORATION: NON-PERFORATED | #124 FOR VENTILATION ONLY

**OVERALL ISOMETRIC VIEW**

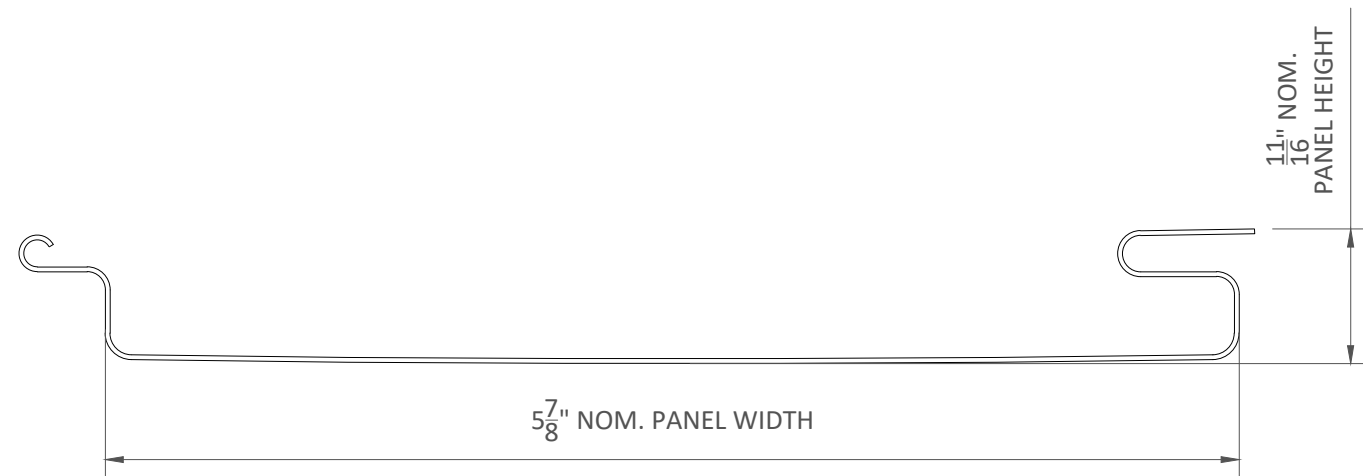
PROJECT: EXTERIOR 150F PRODUCT SPECIFICATIONS  
 DRAWING NUMBER: EXT-150F-B1.0  
 SCALE: AS SHOWN  
 DRAWN BY: CTA ENGINEERING  
 DATE: 6/1/21

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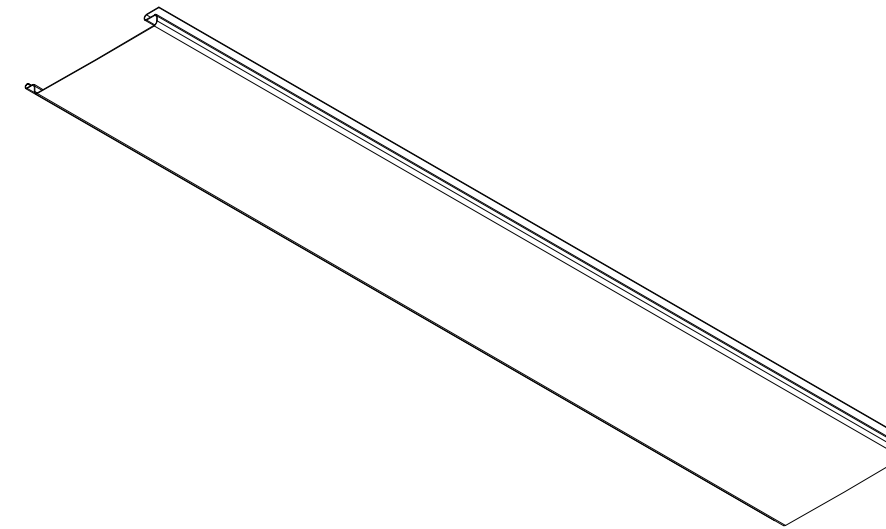
**PANEL SIDE VIEW**

SCALE: 3" = 1'-0"



**FACTORY END PANEL VIEW**

SCALE: FULL



**PANEL MATERIAL & FINISHES**

SCALE: NOT TO SCALE

**150F PANEL MATERIAL THICKNESS**

.025" ALUMINUM

**150F PANEL FINISHES**

PAINTED & POWDER COATED

LUXACOTE

DECORATED WOOD FINISH (POWDER COATED)

**150F PANEL PERFORATIONS**

PERFORATION #124 (15% OPEN) AVAILABLE FOR VENTILATION PURPOSES ONLY

\*VERTICAL SUPPORT OMITTED FOR CLARITY  
\*\*PANEL LENGTHS VARIABLE IN 1/8" INCREMENTS, TOLERANCE ±1/8"

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**SPECIFICATIONS**

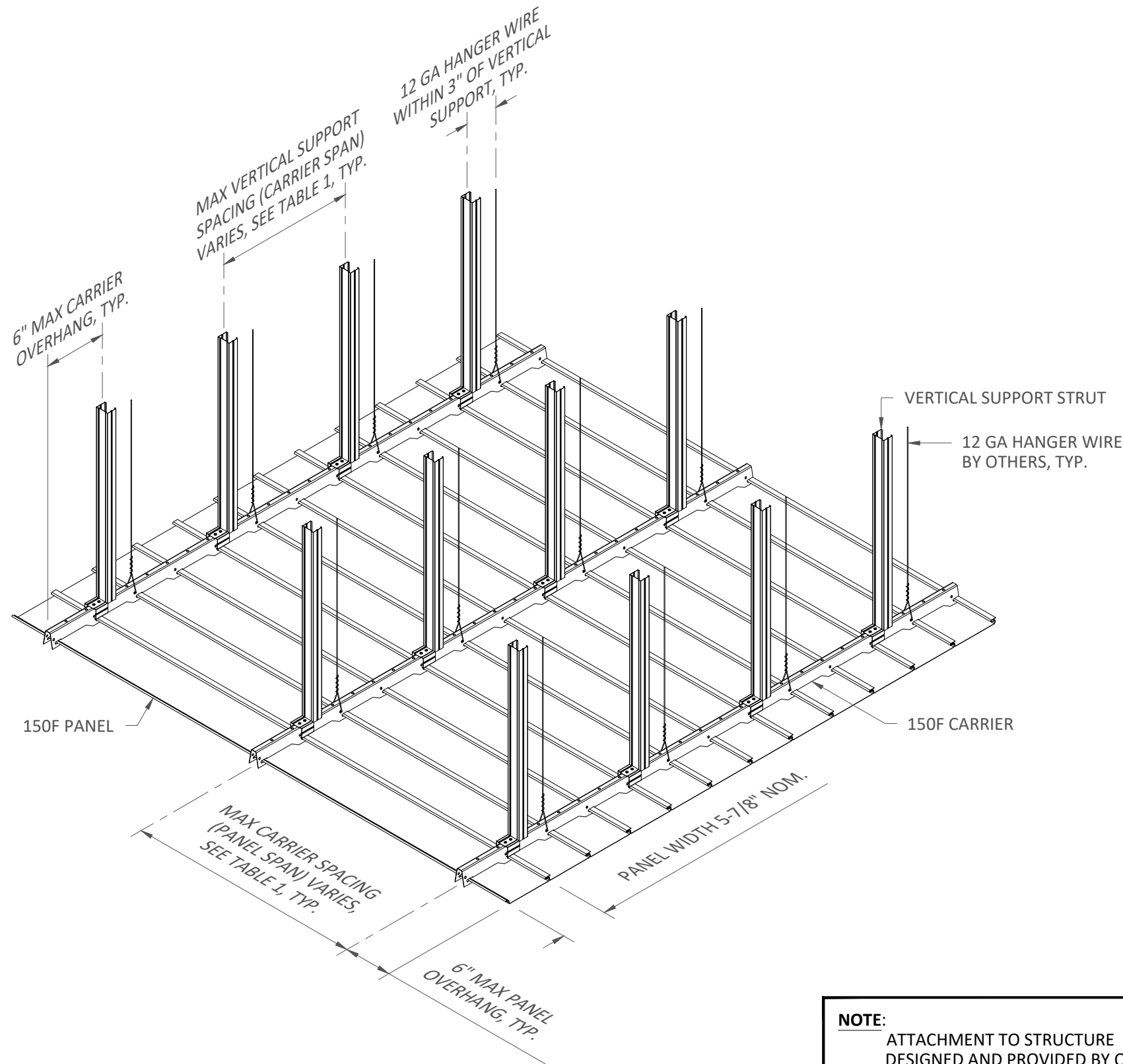
(unless noted otherwise)

MATERIAL: .025" ALUMINUM 150F PANEL | .040" ALUMINIUM 150F CARRIER  
FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE  
PERFORATION: NON-PERFORATED | #124 FOR VENTILATION ONLY

**PANEL SPECIFICATION**

PROJECT: EXTERIOR 150F PRODUCT SPECIFICATIONS  
DRAWING NUMBER: EXT-150F-B1.1  
SCALE: AS SHOWN  
DRAWN BY: CTA ENGINEERING  
DATE: 6/1/21

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**NOTE A:**

CARRIER SPACING (PANEL SPAN) AND CARRIER SPAN (HANGER WIRE & VERTICAL SUPPORT SPACING) VARIES DEPENDING ON DESIGN WIND PRESSURE (POUNDS PER SQUARE FOOT). AS A GENERAL GUIDE, REFER TO THE DETAIL AND WIND LOAD TABLE 1 BELOW FOR CARRIER SPACING AND CARRIER SPAN. THE WIND LOAD CRITERIA IS BASED ON USING 3 OR MORE ROWS OF CARRIER. MAXIMUM PANEL OVERHANG = 6". MAXIMUM CARRIER OVERHANG = 6".

HANGER WIRE (12 GA MIN.) MUST BE LOCATED AT EACH VERTICAL SUPPORT STRUT. VERTICAL SUPPORT STRUT MUST NOT EXCEED SPACING SHOWN FOR A GIVEN DESIGN WIND PRESSURE. SEE DRAWING # 150F-B1.3 FOR VERTICAL SUPPORT SPECIFICATION. HANGER WIRE AND VERTICAL SUPPORT STRUT MUST BE ATTACHED TO STRUCTURE ABOVE TO SAFELY SUPPORT ALL LOADS IMPOSED BY SOFFIT SYSTEM. ATTACHMENT TO STRUCTURE DESIGNED AND PROVIDED BY OTHERS, NOT BY CERTAINTEED.

**150F CARRIER\***

**MATERIAL:** .040" ALUMINUM  
**FINISH:** MATTE BLACK  
**PART LENGTH:** 16'-0"

\*CONTAINS INTEGRAL SPLICE

**TABLE 1 - DESIGN WIND LOAD - 150F EXTERIOR CEILING SYSTEM**

**PANEL MATERIAL:** .025" ALUMINUM  
**CARRIER MATERIAL:** .040" ALUMINUM

ALLOWABLE CARRIER SPACING (PANEL SPAN)  
 ALLOWABLE CARRIER SUPPORT SPACING (HANGER WIRE/VERTICAL SUPPORT SPACING)

\* CARRIER SPACING BASED ON USING 3 OR MORE CARRIERS

\*\* POUNDS PER SQUARE FOOT

DESIGN WIND PRESSURE (POSITIVE OR NEGATIVE PSF**)	CARRIER SPACING* (PANEL SPAN)	CARRIER SPAN (VERTICAL SUPPORT SPACING)
20	49"	20"
25	40"	20"
30	34"	20"
35	29"	20"
40	26"	20"
50	22"	20"
55	21"	20"
60	18"	20"
75	16"	20"

**NOTE:**  
 ATTACHMENT TO STRUCTURE DESIGNED AND PROVIDED BY OTHERS, NOT BY CERTAINTEED.

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**SPECIFICATIONS**

(unless noted otherwise)

MATERIAL: .025" ALUMINUM 150F PANEL | .040" ALUMINIUM 150F CARRIER  
 FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE  
 PERFORATION: NON-PERFORATED | #124 FOR VENTILATION ONLY

**SUSPENSION SPECIFICATION**

PROJECT: EXTERIOR 150F PRODUCT SPECIFICATIONS  
 DRAWING NUMBER: EXT-150F-B1.2  
 SCALE: AS SHOWN  
 DRAWN BY: CTA ENGINEERING  
 DATE: 6/1/21

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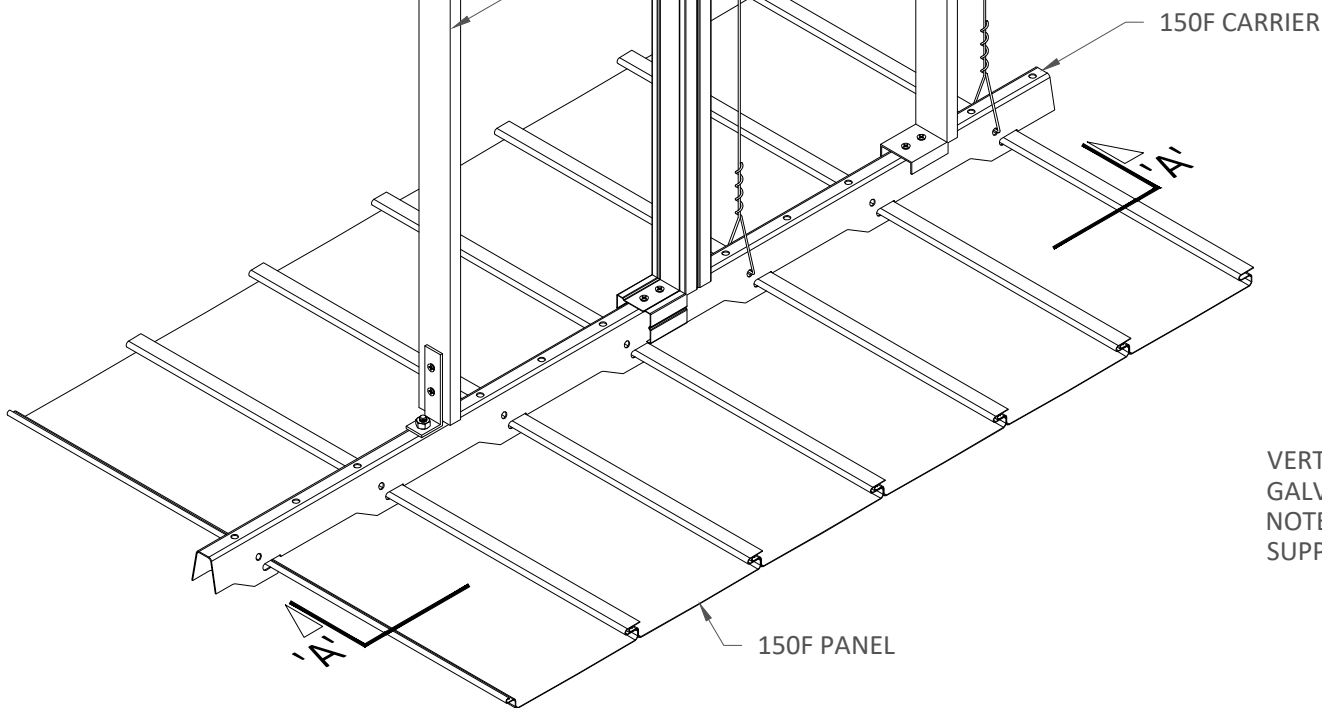
12 GA HANGER WIRE WITHIN 3" OF VERTICAL SUPPORT, BY OTHERS, TYP.

1/2" X 1-1/2" 16 GA GALV. CRC

12 GA HANGER WIRE WITHIN 3" OF VERTICAL SUPPORT, BY OTHERS, TYP.

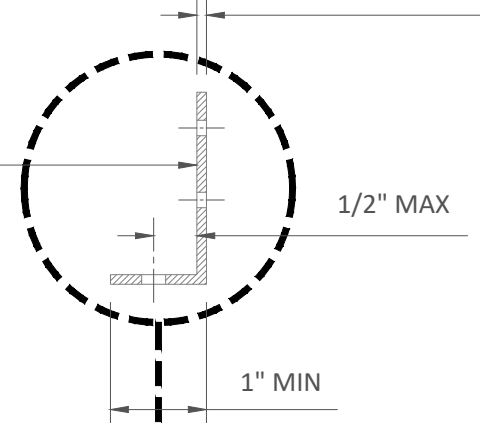
CLARKDIETRICH 250PDS125-33 (2-1/2" PROSTUD 33)

1/2" X 1-1/2" 16 GA GALV. CRC SECURED TO CARRIER WITH 12 GA GALV. BRACKET, BY OTHERS



12 GA GALV. BRACKET BY OTHERS, TYP.

12 GA (.109") MIN X 3/4" WIDTH MIN



VERTICAL SUPPORT 1/2" X 1-1/2" 16 GA GALV. CRC, MAX LENGTH 28", SEE NOTE A THIS SHEET FOR VERTICAL SUPPORT REQUIREMENTS

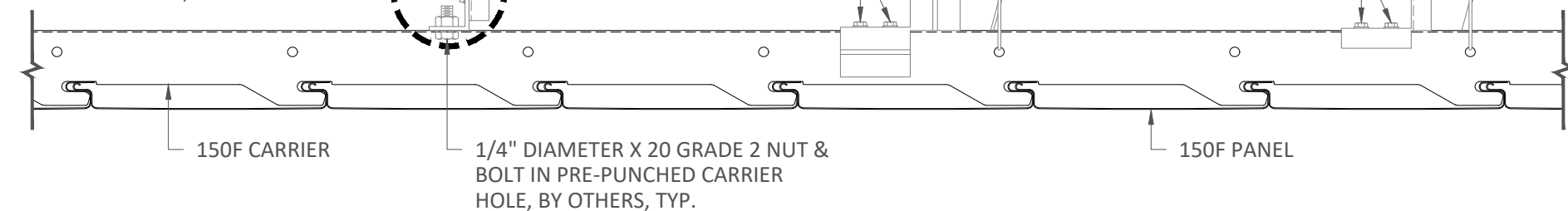
VERTICAL SUPPORT CLARKDIETRICH 250PDS125-33 (2-1/2" PROSTUD 33) OR EQUAL, MAX LENGTH 85", SEE NOTE A THIS SHEET FOR VERTICAL SUPPORT REQUIREMENTS

VERTICAL SUPPORT 1/2" X 1-1/2" 16 GA GALV. CRC, MAX LENGTH 28", SEE NOTE A THIS SHEET FOR VERTICAL SUPPORT REQUIREMENTS

TWO (2) #10 TEK SCREWS BY OTHERS, TYP.

TWO (2) #10 TEK SCREWS BY OTHERS, TYP.

TWO (2) #10 TEK SCREWS BY OTHERS, TYP.



**SECTION 'A'**

SCALE: 3" = 1'-0"

**NOTE A:**

VERTICAL SUPPORT STRUTS (MINIMUM 1-1/2" 16 GA GALV. 'C' CHANNEL OR EQUAL, MAX LENGTH OF 28"). SEE DRAWING # 150F-B1.2 FOR EXTERIOR SUSPENSION REQUIREMENTS. VERTICAL SUPPORTS SHALL BE LOCATED WITHIN 6" OF THE ENDS OF EACH CARRIER AND WITHIN 6" ON BOTH SIDES OF A CARRIER SPLICE.

VERTICAL SUPPORT EQUALS:

CLARKDIETRICH 250PDS125-33 (2-1/2" PROSTUD 33), MAX LENGTH OF 85"

CLARKDIETRICH 250PDT125-18 (2-1/2" PROTRAK 25), MAX LENGTH OF 78"

\*\*\* ATTACHMENT TO STRUCTURE ABOVE SHALL BE DESIGNED AND PROVIDED BY OTHERS TO SUPPORT ALL LOADS IMPOSED BY CEILING SOFFIT SYSTEM \*\*\*

**NOTE:**

ATTACHMENT TO STRUCTURE DESIGNED AND PROVIDED BY OTHERS, NOT BY CERTAINTEED.

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**SPECIFICATIONS**

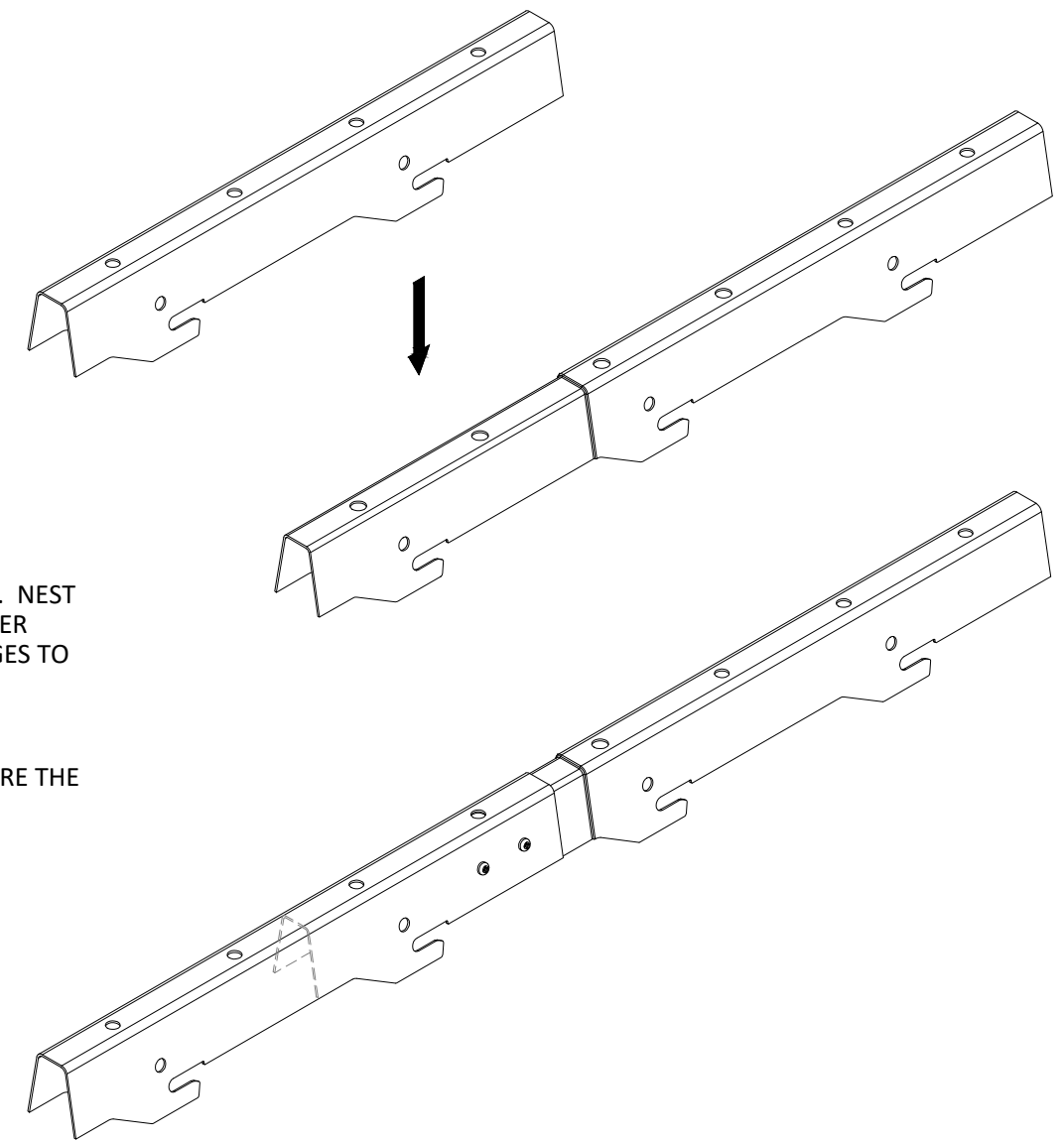
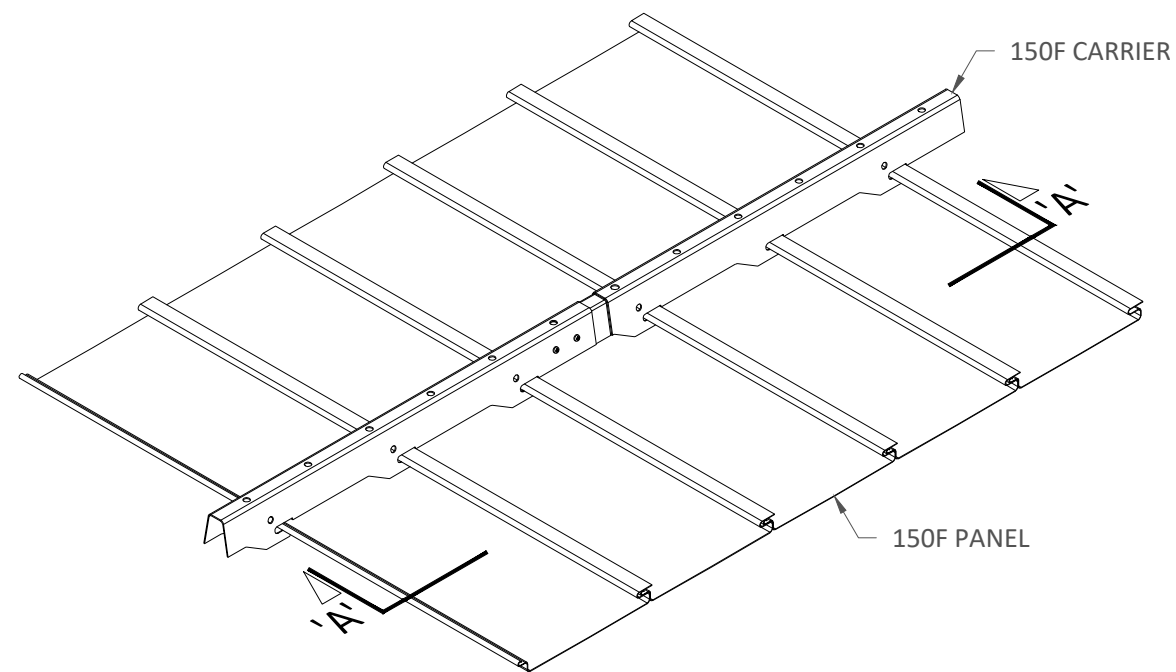
(unless noted otherwise)

MATERIAL: .025" ALUMINIUM 150F PANEL | .040" ALUMINIUM 150F CARRIER  
FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE  
PERFORATION: NON-PERFORATED | #124 FOR VENTILATION ONLY

**VERTICAL SUPPORT SPECIFICATION**

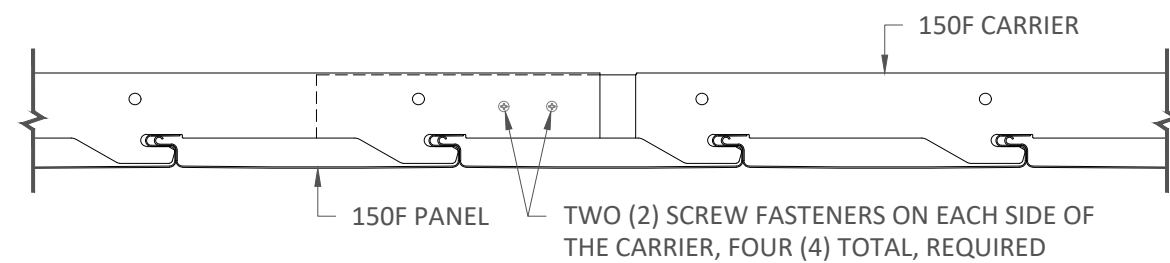
PROJECT: EXTERIOR 150F PRODUCT SPECIFICATIONS  
DRAWING NUMBER: EXT-150F-B1.3  
SCALE: AS SHOWN  
DRAWN BY: CTA ENGINEERING  
DATE: 6/1/21

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THE 150F CARRIER CONTAINS AN INTEGRAL SPLICE. NEST ONE FACTORY END OF THE CARRIER INTO THE OTHER FACTORY END AND LINE UP THE HOLES AND FLANGES TO MAINTAIN THE MODULE.

TWO (2) SCREW FASTENERS ON EACH SIDE OF THE CARRIER, FOUR (4) TOTAL, ARE REQUIRED TO SECURE THE CARRIERS AT THE SPLICE CONDITION.



**SECTION 'A'**  
SCALE: 3" = 1'-0"

**EXTERIOR INSTALLATION**

\*VERTICAL SUPPORT OMITTED FOR CLARITY

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**SPECIFICATIONS**

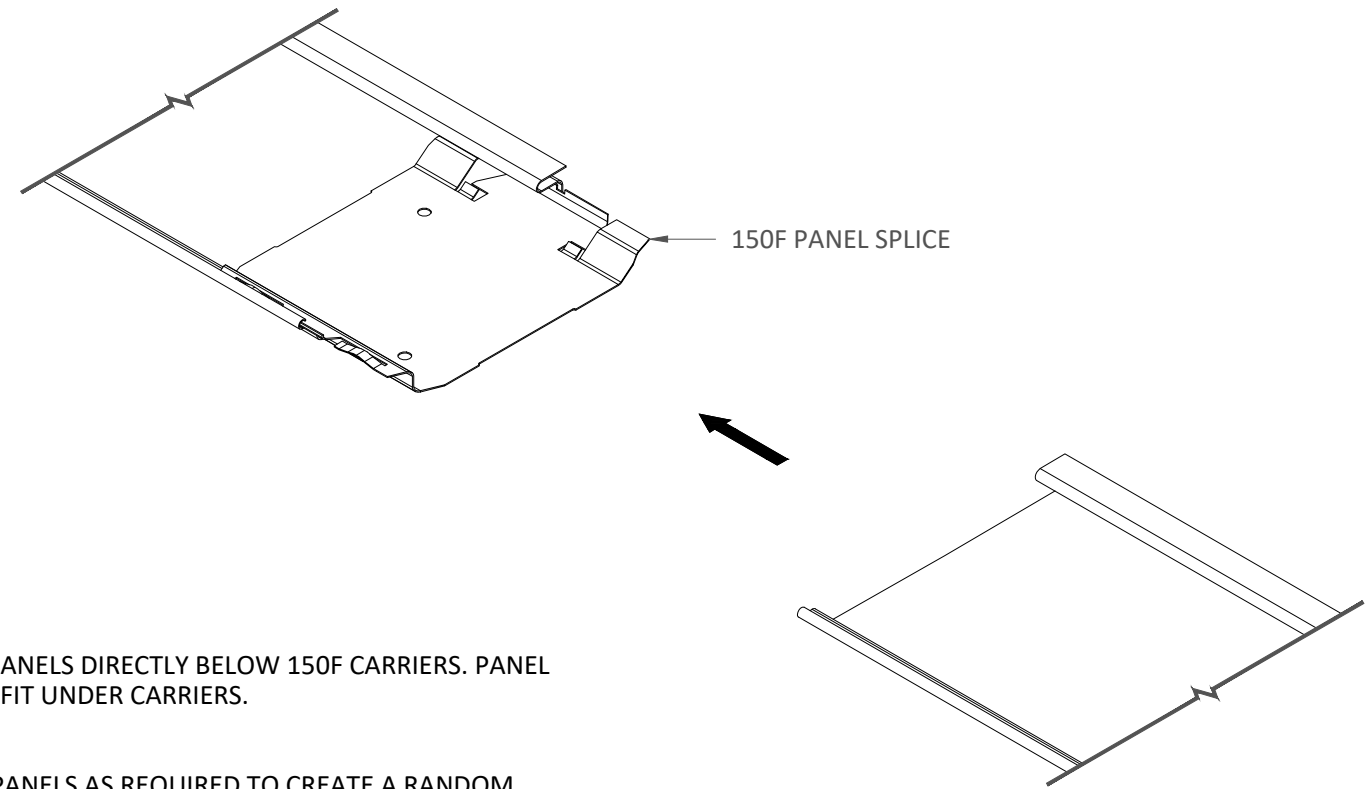
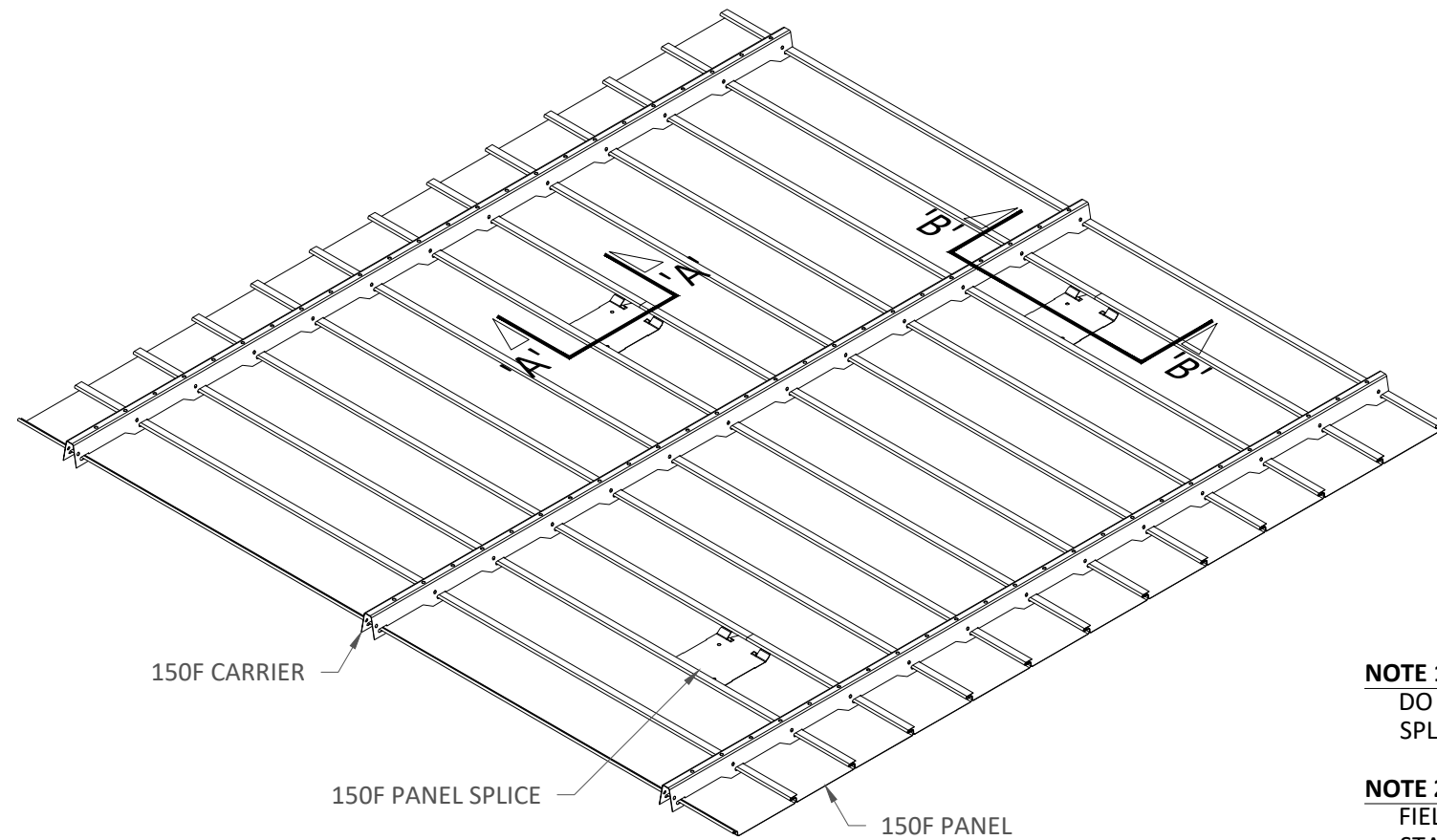
(unless noted otherwise)

MATERIAL: .025" ALUMINIUM 150F PANEL | .040" ALUMINIUM 150F CARRIER  
FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE  
PERFORATION: NON-PERFORATED | #124 FOR VENTILATION ONLY

**CARRIER SPLICE**

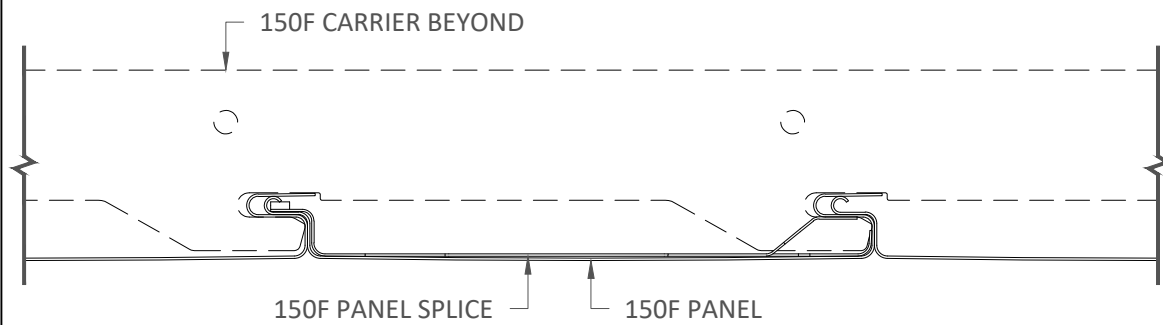
PROJECT: EXTERIOR 150F PRODUCT SPECIFICATIONS  
DRAWING NUMBER: EXT-150F-B1.4  
SCALE: AS SHOWN  
DRAWN BY: CTA ENGINEERING  
DATE: 6/1/21

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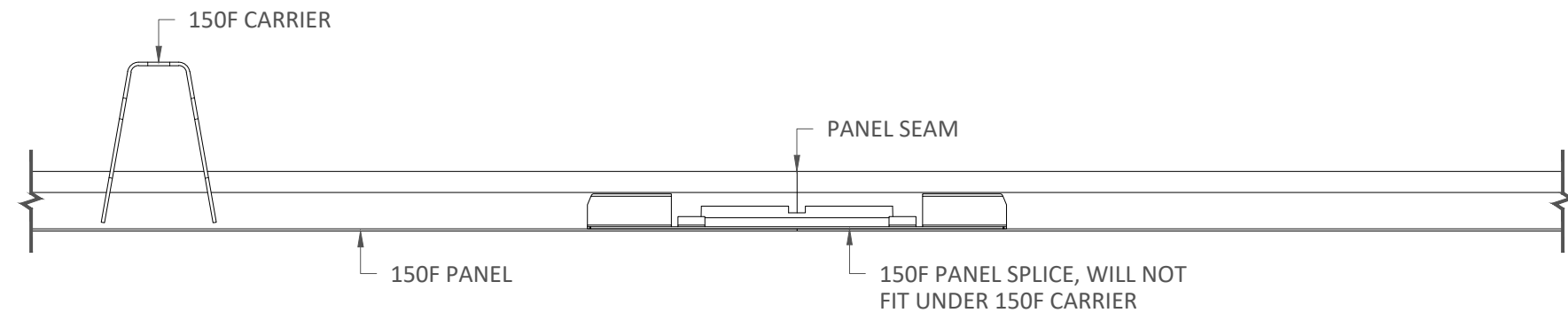


**NOTE 1:**  
DO NOT SPLICE PANELS DIRECTLY BELOW 150F CARRIERS. PANEL SPLICES DO NOT FIT UNDER CARRIERS.

**NOTE 2:**  
FIELD CUT 150F PANELS AS REQUIRED TO CREATE A RANDOM STAGGERED SEAM PATTERN. AVOID ALIGNED SEAMS.



**SECTION 'A'**  
SCALE: 6" = 1'-0"



**SECTION 'B'**  
SCALE: 6" = 1'-0"

**EXTERIOR INSTALLATION**

\*VERTICAL SUPPORT OMITTED FOR CLARITY

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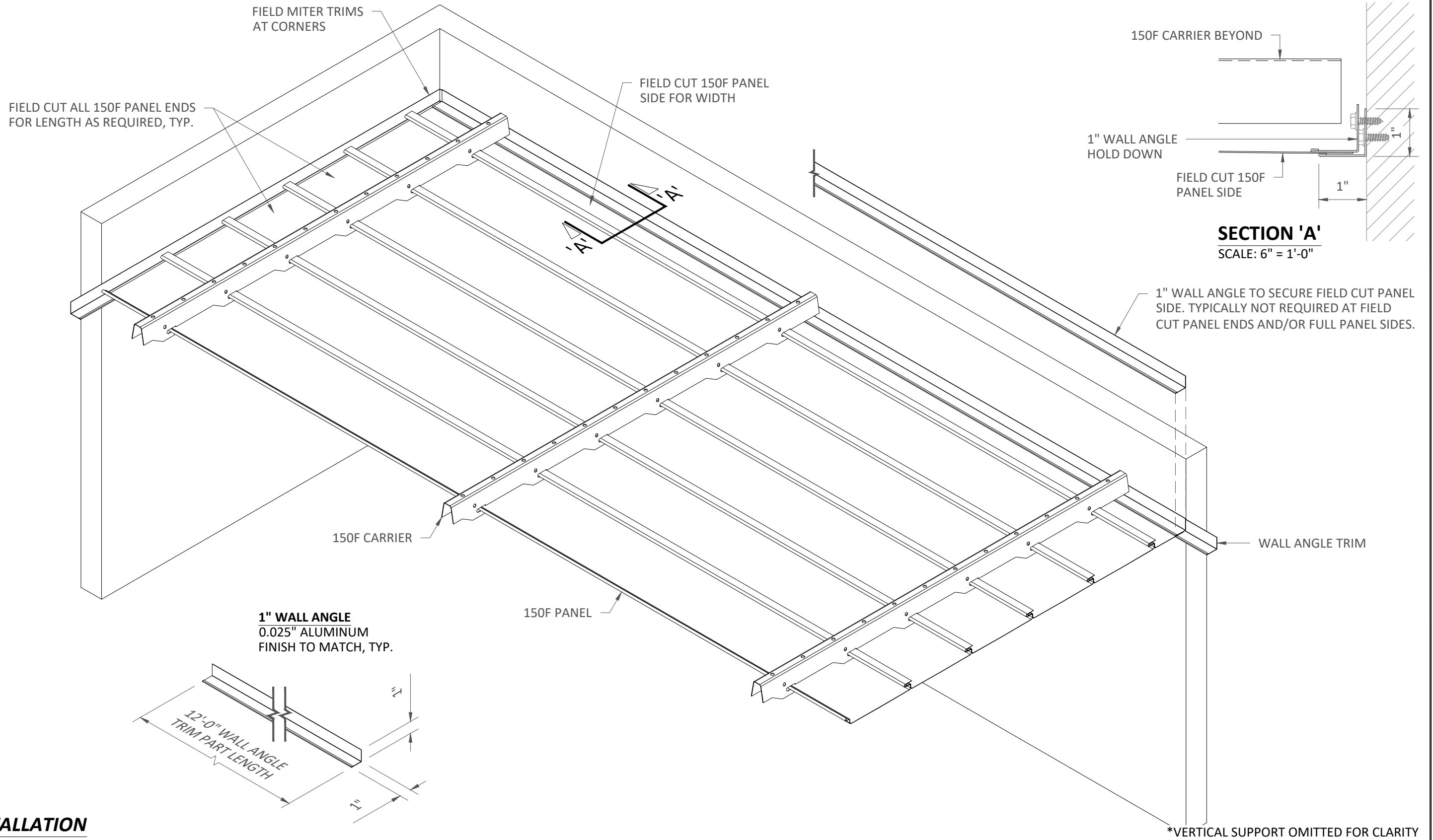
**SPECIFICATIONS**

(unless noted otherwise)  
MATERIAL: .025" ALUMINIUM 150F PANEL | .040" ALUMINIUM 150F CARRIER  
FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE  
PERFORATION: NON-PERFORATED | #124 FOR VENTILATION ONLY

**PANEL SPLICE SPECIFICATION**

PROJECT: EXTERIOR 150F PRODUCT SPECIFICATIONS  
DRAWING NUMBER: EXT-150F-B1.5  
SCALE: AS SHOWN  
DRAWN BY: CTA ENGINEERING  
DATE: 6/1/21

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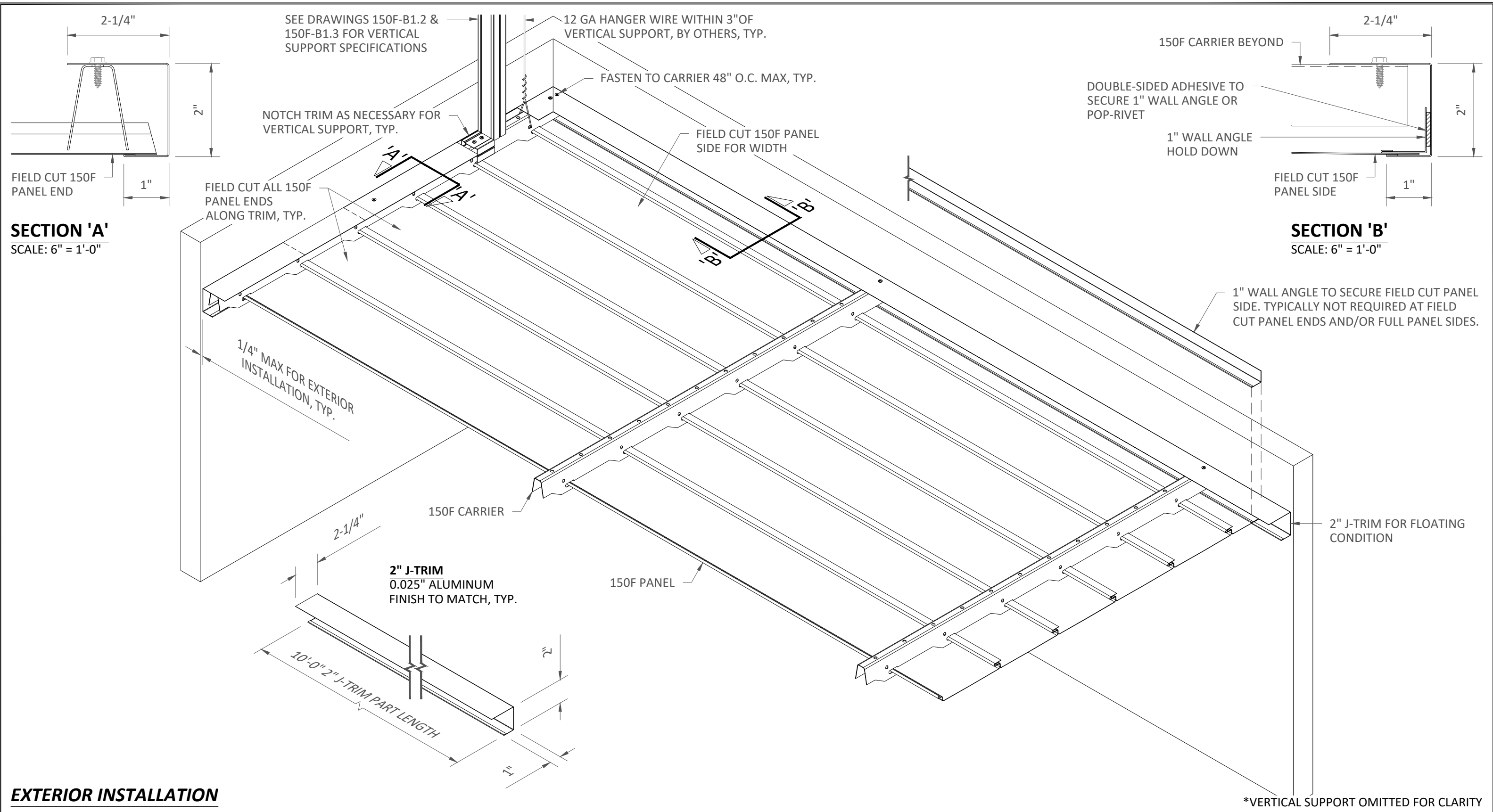


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**SPECIFICATIONS**  
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 FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE  
 PERFORATION: NON-PERFORATED | #124 FOR VENTILATION ONLY

**WALL ANGLE TRIM**  
 PROJECT: EXTERIOR 150F PRODUCT SPECIFICATIONS  
 DRAWING NUMBER: EXT-150F-B1.6  
 SCALE: AS SHOWN  
 DRAWN BY: CTA ENGINEERING  
 DATE: 6/1/21

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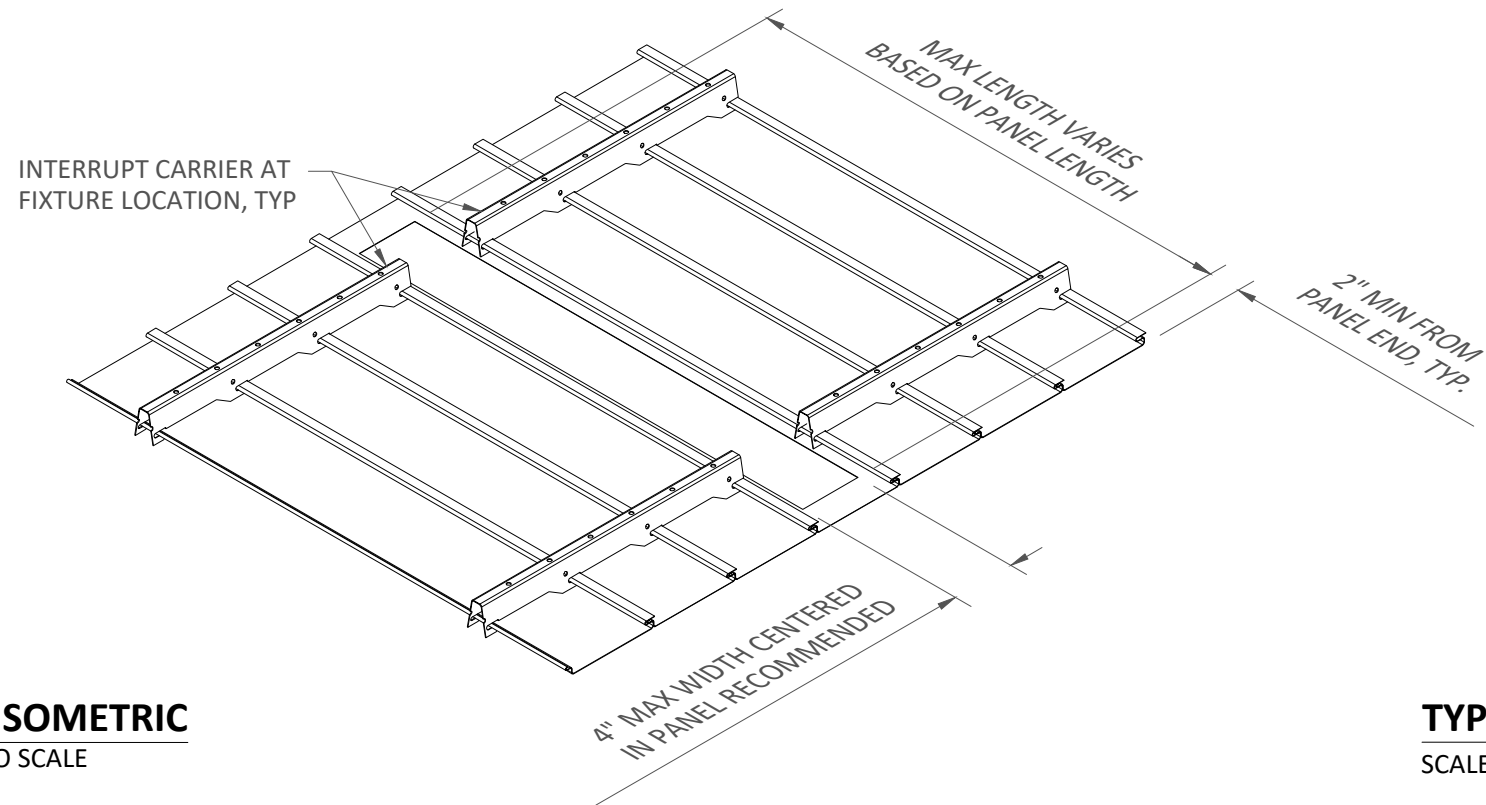
**SPECIFICATIONS**  
(unless noted otherwise)

MATERIAL: .025" ALUMINUM 150F PANEL | .040" ALUMINIUM 150F CARRIER  
FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE  
PERFORATION: NON-PERFORATED | #124 FOR VENTILATION ONLY

**FLOATING TRIM**

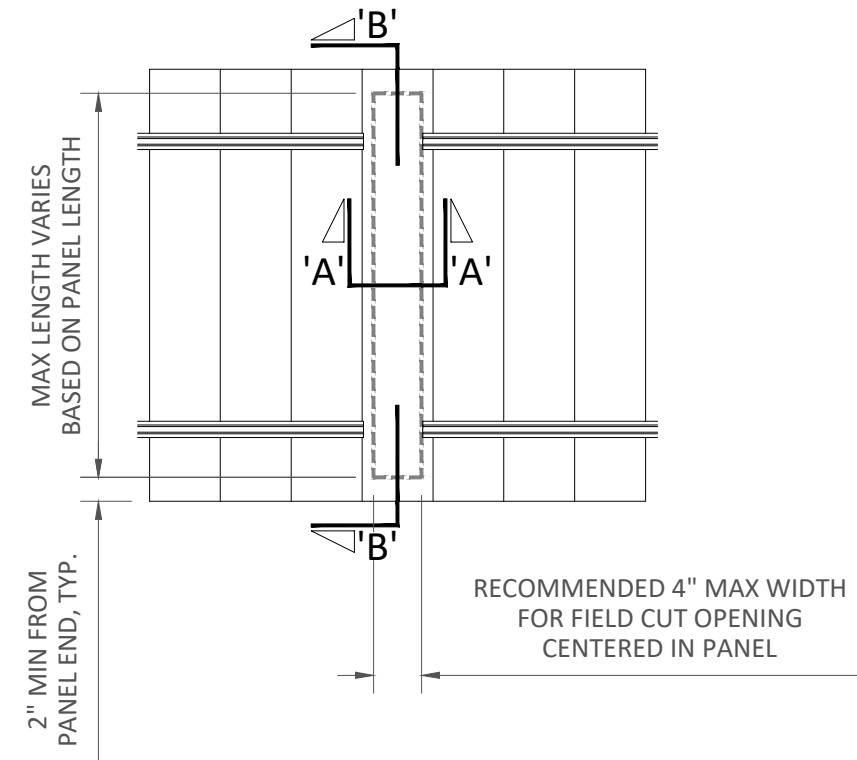
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SCALE: AS SHOWN  
DRAWN BY: CTA ENGINEERING  
DATE: 6/1/21





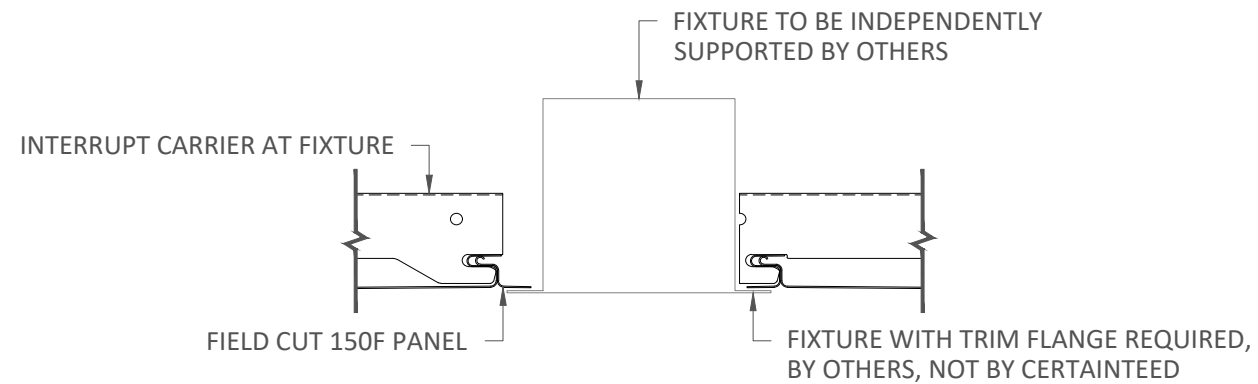
**TYPICAL ISOMETRIC**

SCALE: NOT TO SCALE



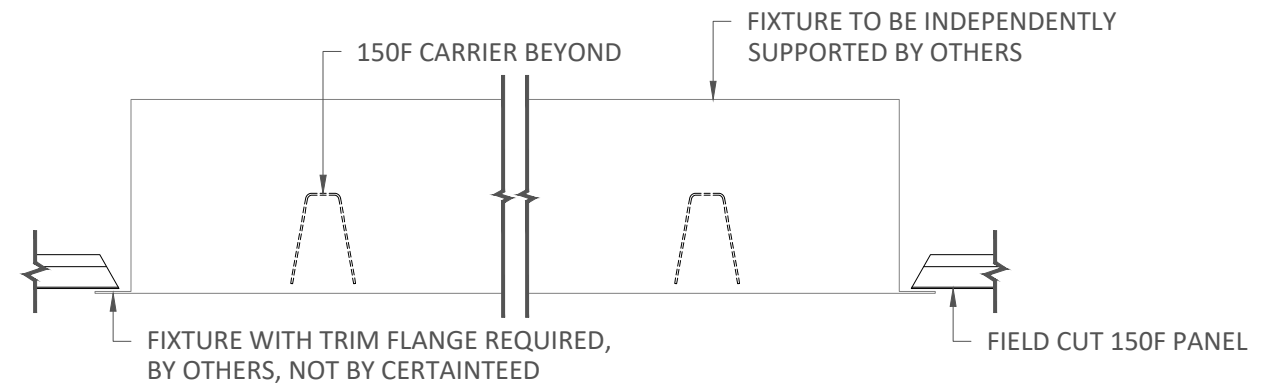
**TYPICAL RCP**

SCALE:  $\frac{3}{4}$ " = 1'-0"



**SECTION 'A'**

SCALE: 3" = 1'-0"



**SECTION 'B'**

SCALE: 3" = 1'-0"

**NOTE:** ROUND OPENINGS LESS THAN 4" DIAMETER TYPICALLY FIELD CUT INTO PANEL FACE, TRIM FOR ALL FIXTURES BY OTHERS, NOT BY CERTAINTEED

\*VERTICAL SUPPORT OMITTED FOR CLARITY



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**SPECIFICATIONS**

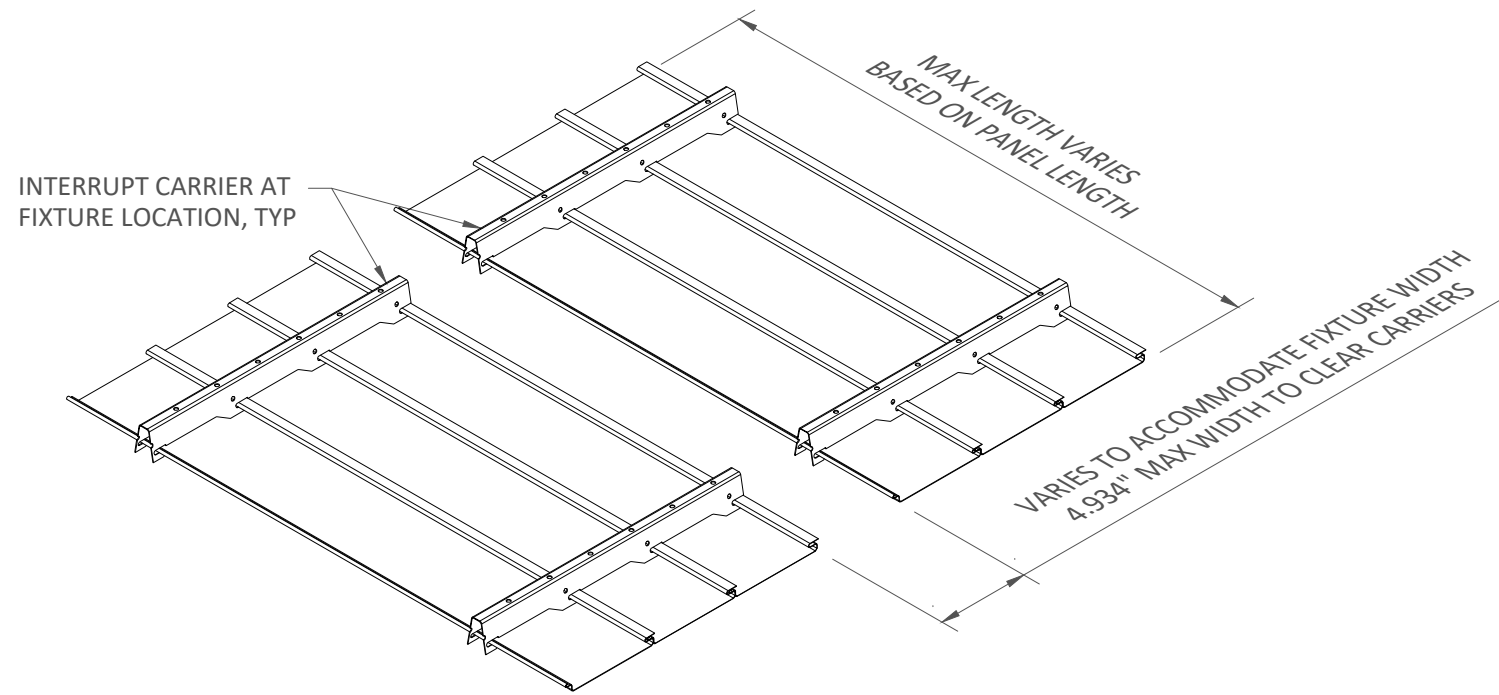
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MATERIAL: .025" ALUMINUM 150F PANEL | .040" ALUMINIUM 150F CARRIER  
 FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE  
 PERFORATION: NON-PERFORATED | #124 FOR VENTILATION ONLY

**FIELD CUT PANEL FOR FIXTURE OPENINGS**

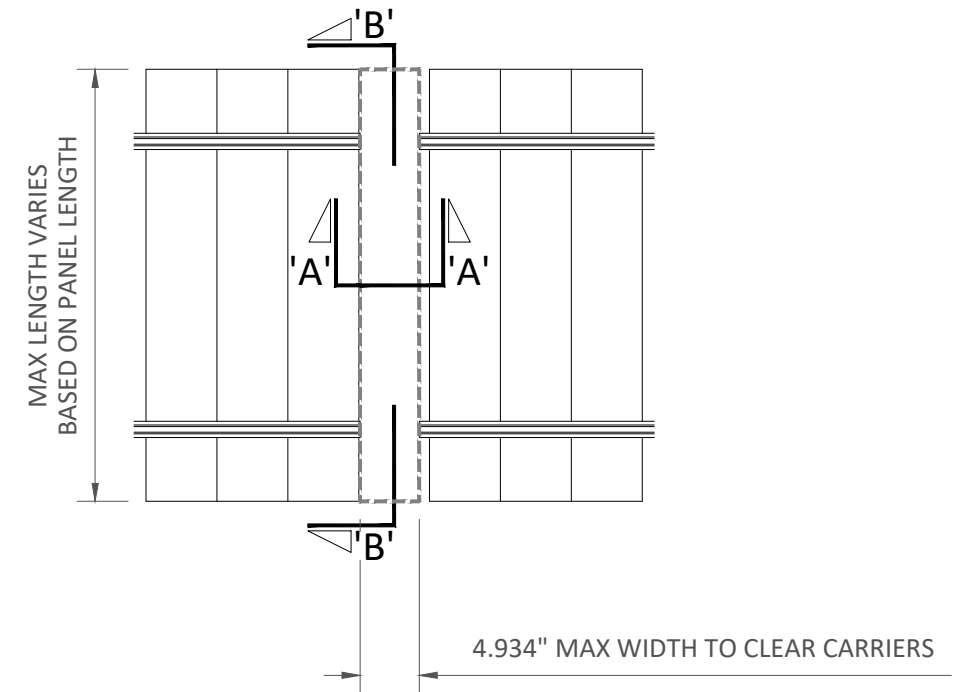
PROJECT: EXTERIOR 150F PRODUCT SPECIFICATIONS  
 DRAWING NUMBER: EXT-150F-B1.8  
 SCALE: AS SHOWN  
 DRAWN BY: CTA ENGINEERING  
 DATE: 6/1/21

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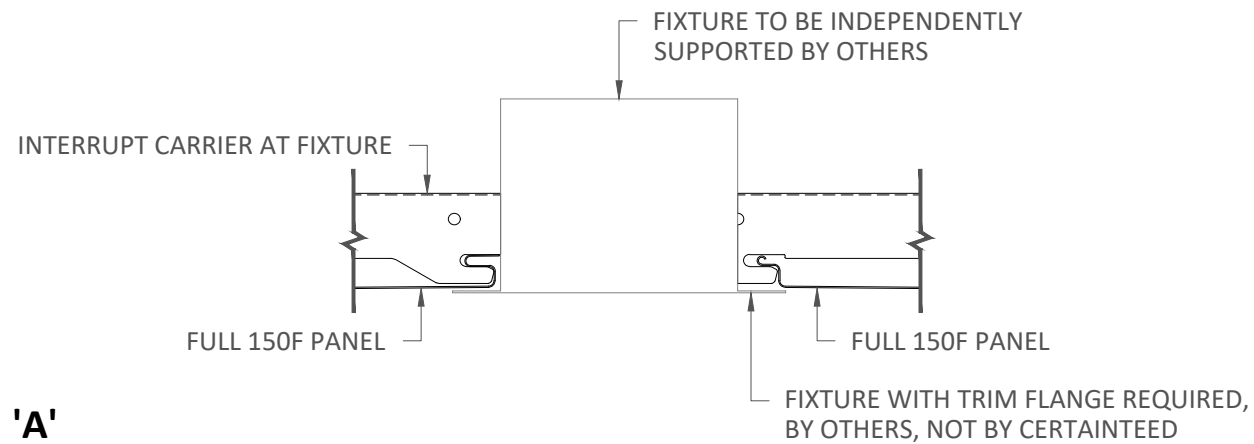
**TYPICAL ISOMETRIC**

SCALE: NOT TO SCALE



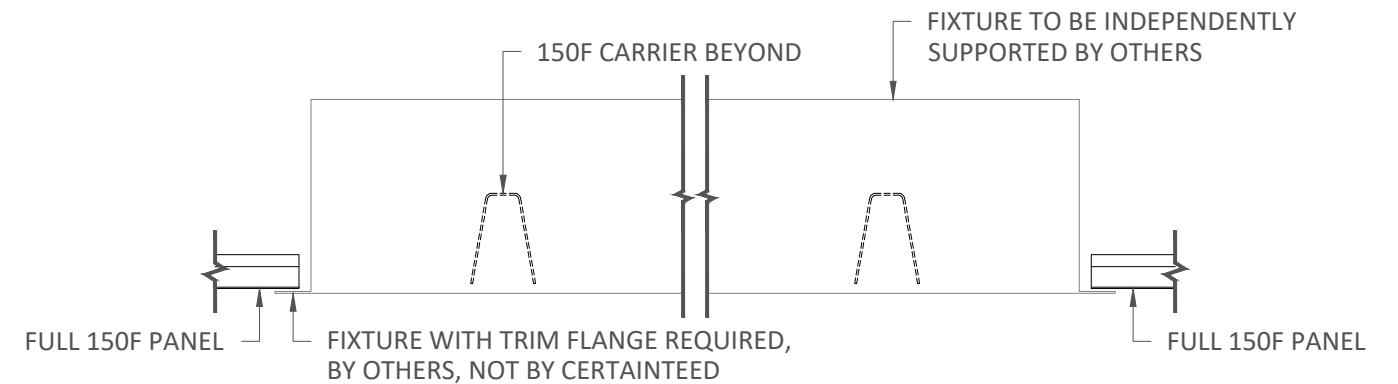
**TYPICAL RCP**

SCALE:  $\frac{3}{4}$ " = 1'-0"



**SECTION 'A'**

SCALE: 3" = 1'-0"



**SECTION 'B'**

SCALE: 3" = 1'-0"

**NOTE: FIXTURE WITH TRIM FLANGE NOT BY CERTAINTED**

\*VERTICAL SUPPORT OMITTED FOR CLARITY



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**SPECIFICATIONS**

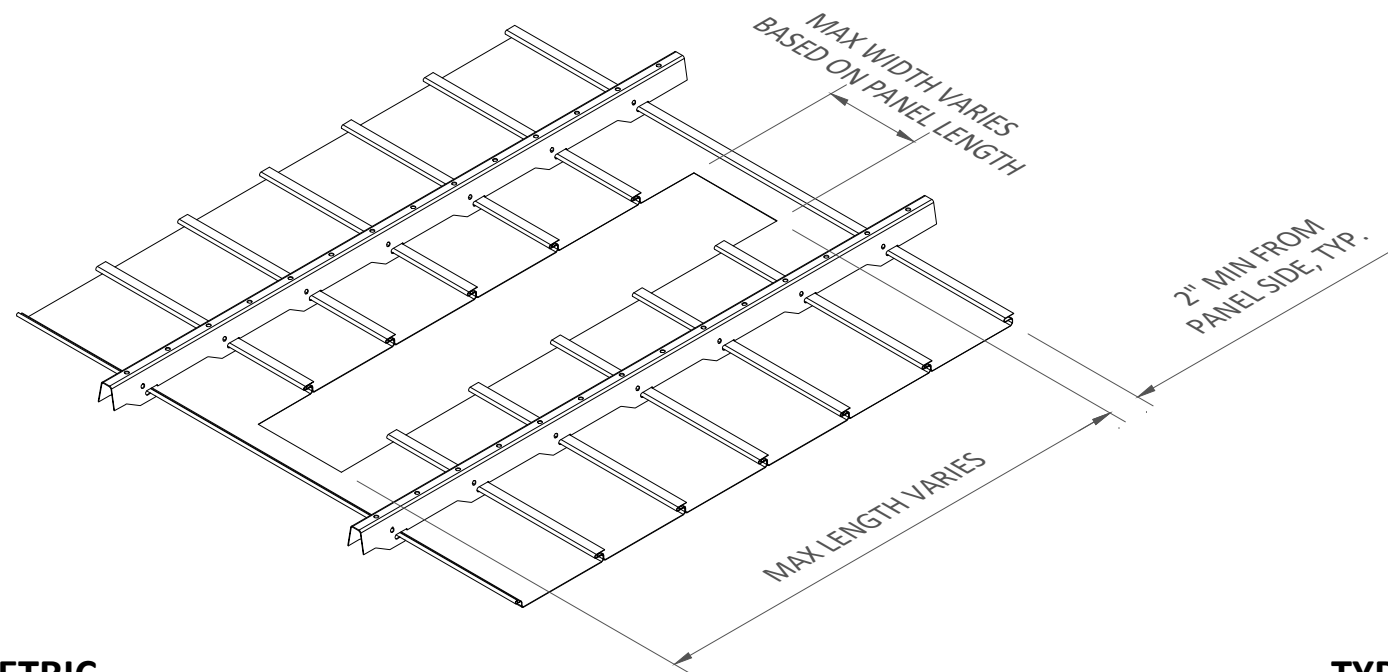
(unless noted otherwise)

MATERIAL: .025" ALUMINUM 150F PANEL | .040" ALUMINIUM 150F CARRIER  
 FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE  
 PERFORATION: NON-PERFORATED | #124 FOR VENTILATION ONLY

**INTERRUPTED PANEL FOR FIXTURE OPENINGS**

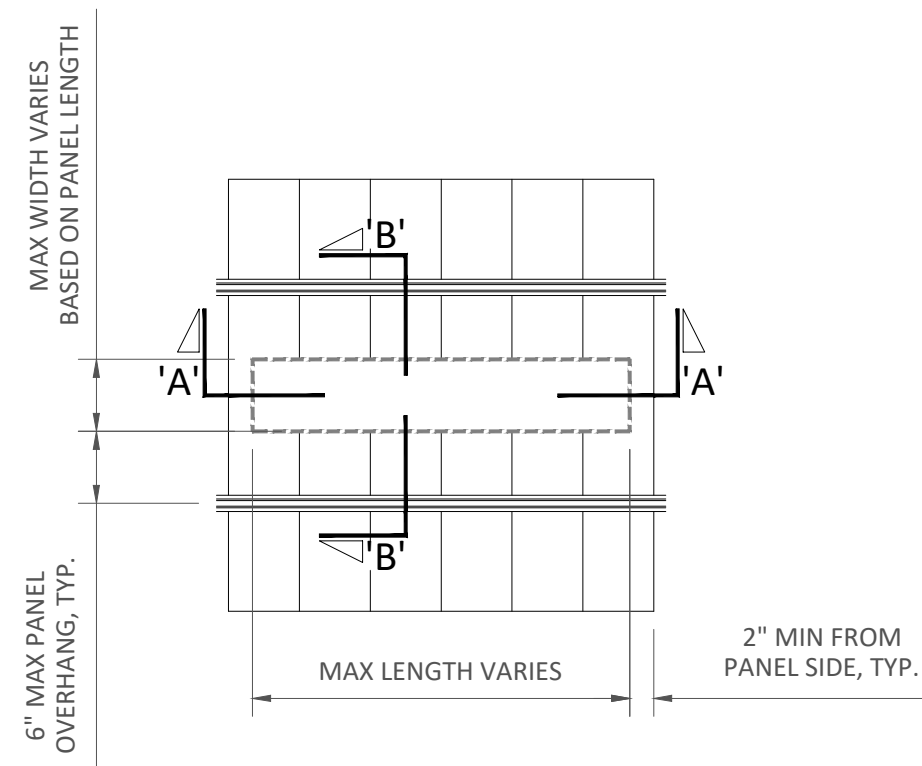
PROJECT: EXTERIOR 150F PRODUCT SPECIFICATIONS  
 DRAWING NUMBER: EXT-150F-B1.9  
 SCALE: AS SHOWN  
 DRAWN BY: CTA ENGINEERING  
 DATE: 6/1/21

These drawings show typical conditions for installing the CertainTeed product shown. They should not be construed as a substitute for an architectural or engineering design and do not reflect the unique requirements of local codes, laws, statutes or regulations that may be applicable for a specific installation. CertainTeed assumes no liability for the accuracy or completeness of the drawings for a specific installation or the fitness of the drawings for a particular purpose. The user is advised to consult with local licensed design professionals in order to assure compliance with all legal requirements. CertainTeed is not licensed to provide professional engineering or architectural services.



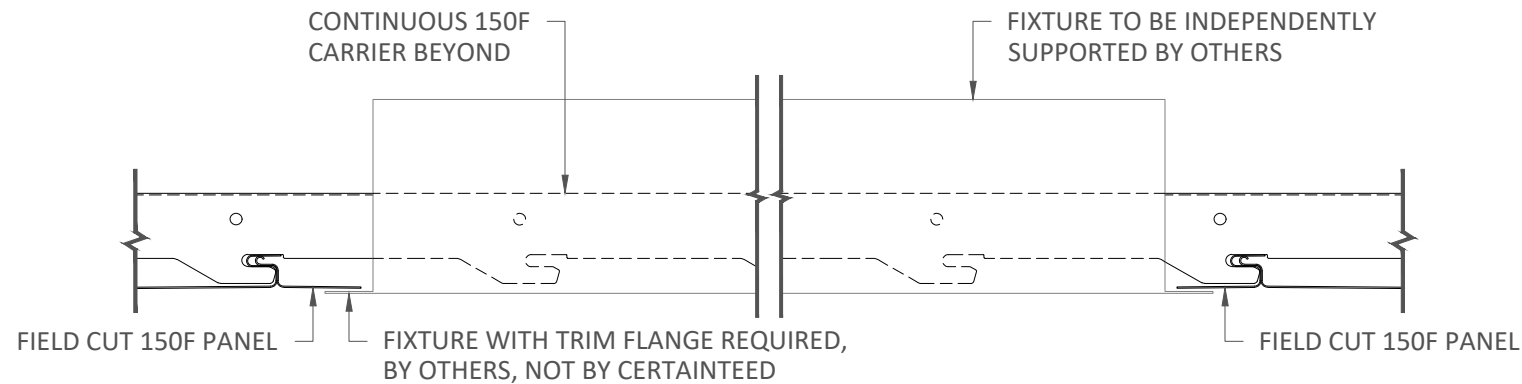
**TYPICAL ISOMETRIC**

SCALE: NOT TO SCALE



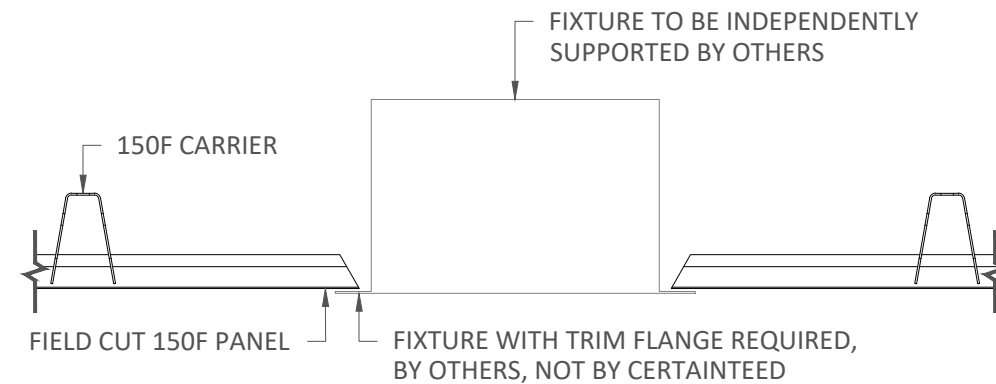
**TYPICAL RCP**

SCALE:  $\frac{3}{4}'' = 1'-0''$



**SECTION 'A'**

SCALE:  $3'' = 1'-0''$



**SECTION 'B'**

SCALE:  $3'' = 1'-0''$

**NOTE:** ROUND OPENINGS LESS THAN 4" DIAMETER TYPICALLY FIELD CUT INTO PANEL FACE, TRIM FOR ALL FIXTURES BY OTHERS, NOT BY CERTAINTEED

\*VERTICAL SUPPORT OMITTED FOR CLARITY



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**SPECIFICATIONS**

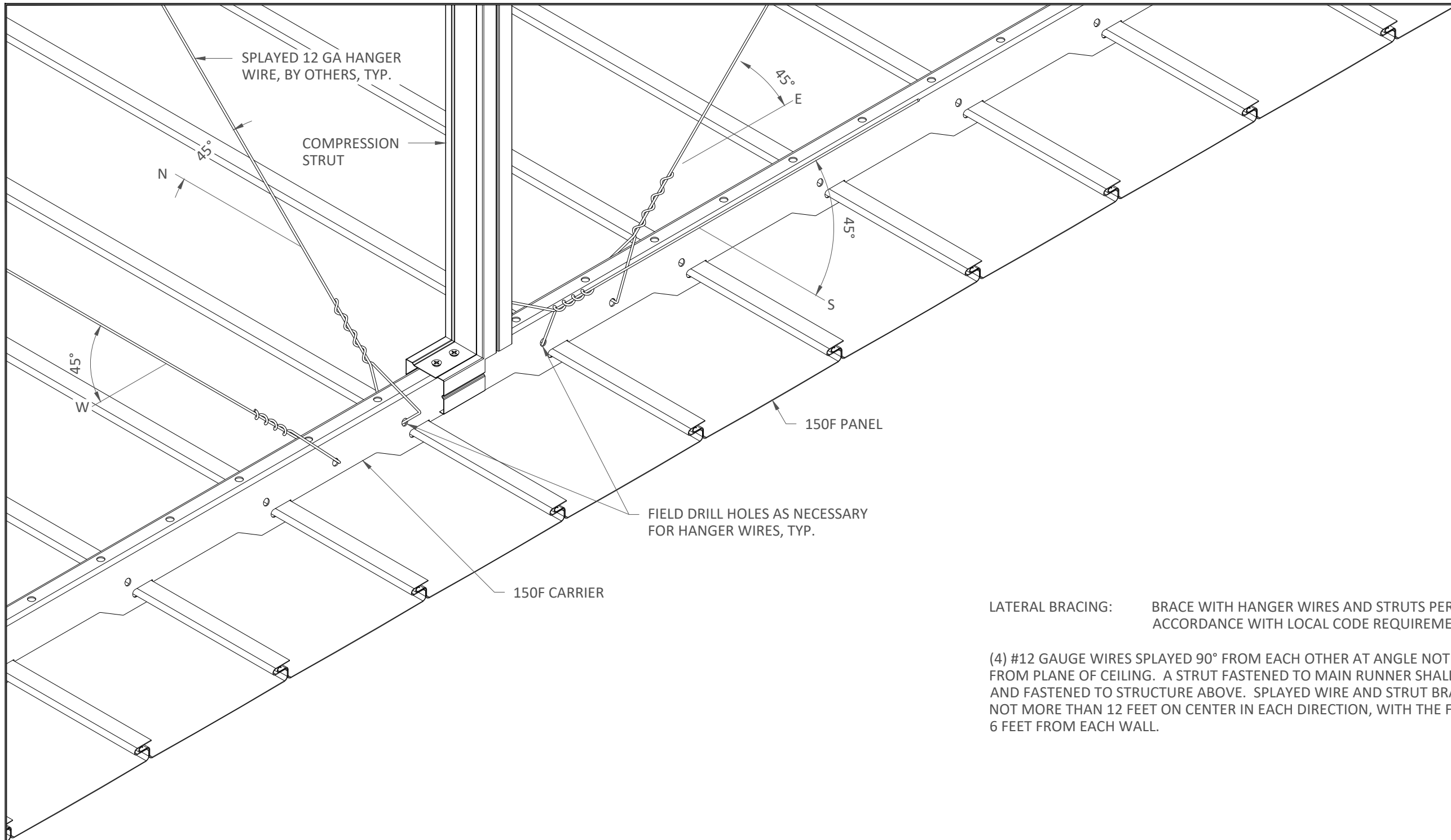
(unless noted otherwise)

MATERIAL: .025" ALUMINUM 150F PANEL | .040" ALUMINIUM 150F CARRIER  
 FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE  
 PERFORATION: NON-PERFORATED | #124 FOR VENTILATION ONLY

**FIELD CUT PANEL FOR FIXTURE OPENINGS**

PROJECT: EXTERIOR 150F PRODUCT SPECIFICATIONS  
 DRAWING NUMBER: EXT-150F-B1.10  
 SCALE: AS SHOWN  
 DRAWN BY: CTA ENGINEERING  
 DATE: 6/1/21

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LATERAL BRACING: BRACE WITH HANGER WIRES AND STRUTS PER ASTM E-580 AND IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS.

(4) #12 GAUGE WIRES SPLAYED 90° FROM EACH OTHER AT ANGLE NOT EXCEEDING 45° FROM PLANE OF CEILING. A STRUT FASTENED TO MAIN RUNNER SHALL BE EXTENDED TO AND FASTENED TO STRUCTURE ABOVE. SPLAYED WIRE AND STRUT BRACING TO BE PLACED NOT MORE THAN 12 FEET ON CENTER IN EACH DIRECTION, WITH THE FIRST POINT WITHIN 6 FEET FROM EACH WALL.

**EXTERIOR INSTALLATION**



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**SPECIFICATIONS**

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 PERFORATION: NON-PERFORATED | #124 FOR VENTILATION ONLY

**SEISMIC SPECIFICATION**

PROJECT: EXTERIOR 150F PRODUCT SPECIFICATIONS  
 DRAWING NUMBER: EXT-150F-B1.11  
 SCALE: AS SHOWN  
 DRAWN BY: CTA ENGINEERING  
 DATE: 6/1/21

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