

EXTERIOR INSTALLATION

ARCHITECTURAL

CertainTeed
SAINT-GOBAIN

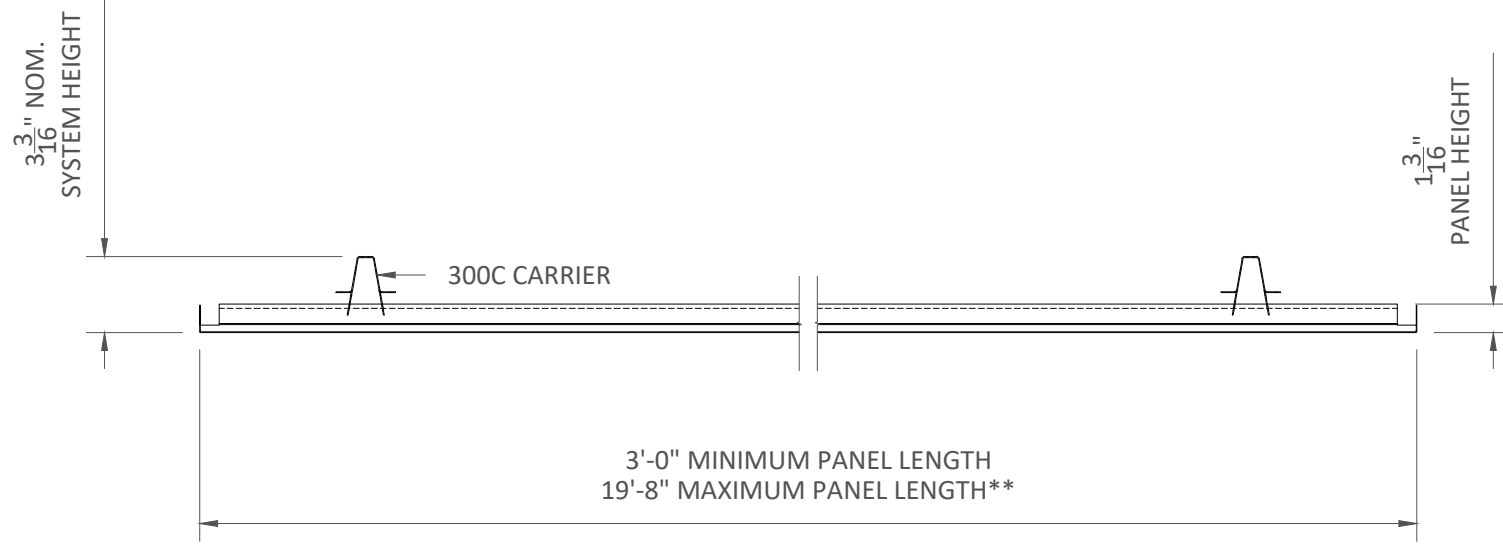
5015 Oakbrook Parkway, Suite 100
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O 800 366 4327
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www.certainteed.com/architectural

SPECIFICATIONS
(unless noted otherwise)

MATERIAL: .028" ALUMINUM 300C PANEL | .040" ALUMINUM 300C CARRIER
FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE
PERFORATION: NON-PERFORATED | #124

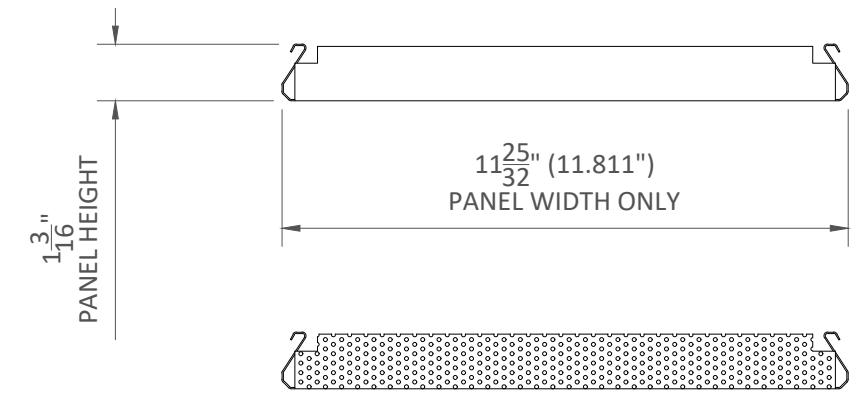
OVERALL ISOMETRIC VIEW
PROJECT: EXTERIOR 300C PRODUCT SPECIFICATIONS
DRAWING NUMBER: EXT-300C-B1.0
SCALE: 3" = 1'-0"
DRAWN BY: CTA ENGINEERING
DATE: 6/1/21

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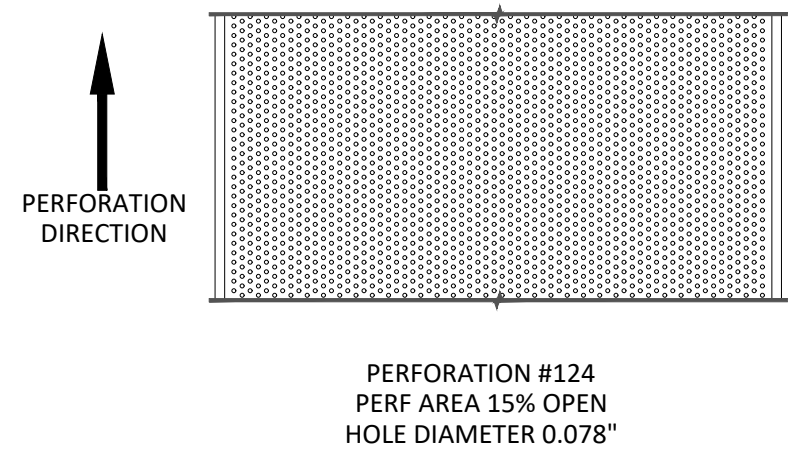
FACTORY PANEL SIDE VIEW

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

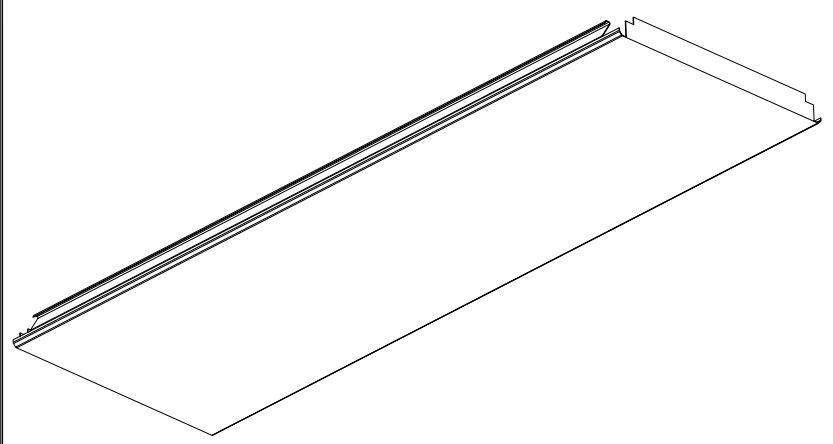


FACTORY PANEL ENDS

*SUSPENSION OMITTED FOR CLARITY



AVAILABLE PANEL PERFORATION



300C PANEL MATERIAL THICKNESS

.028" ALUMINUM

300C PANEL FINISHES

PAINTED & POWDER COATED

LUXACOTE

DECORATED WOOD FINISH (POWDER COATED)



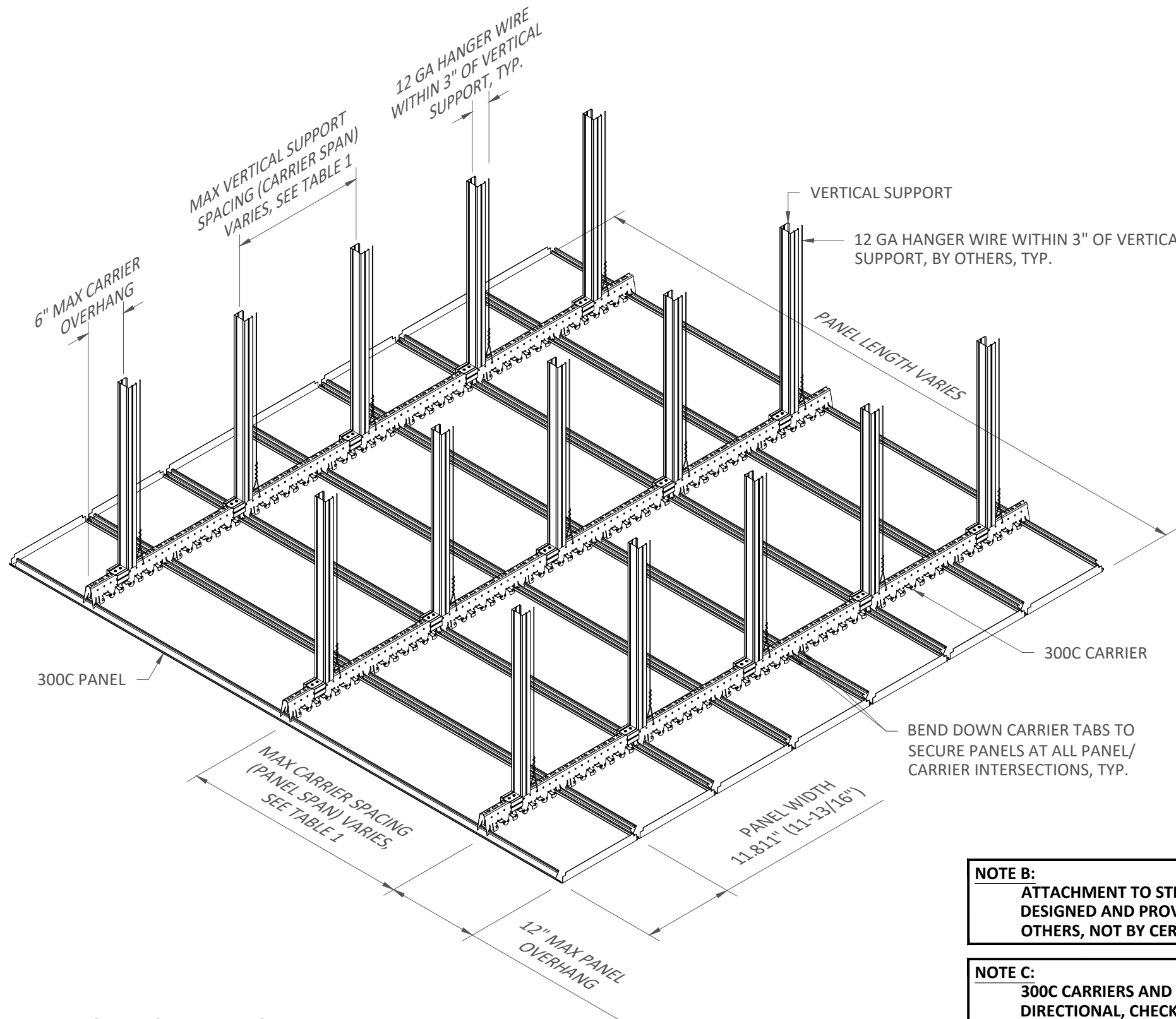
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PANEL SPECIFICATIONS
PROJECT: EXTERIOR 300C PRODUCT SPECIFICATIONS
DRAWING NUMBER: EXT-300C-B1.1
SCALE: NOT TO SCALE
DRAWN BY: CTA ENGINEERING
DATE: 6/1/21

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EXTERIOR INSTALLATION

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 = 12". 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 # EXT-300C-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.

300C CARRIER
MATERIAL: .040" ALUMINUM
FINISH: MATTE BLACK
PART LENGTH: 16'-0"

TABLE 1 - DESIGN WIND LOAD - 300C EXTERIOR CEILING SYSTEM

PANEL MATERIAL: .028" 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	48"	20"
25	36"	20"
30	30"	20"
35	26"	20"
40	24"	20"
45	21"	20"
50	20"	20"
55	19"	20"
60	18"	20"
75	16"	20"

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

NOTE C:
 300C CARRIERS AND PANELS ARE DIRECTIONAL, CHECK ORIENTATION PRIOR TO INSTALLATION



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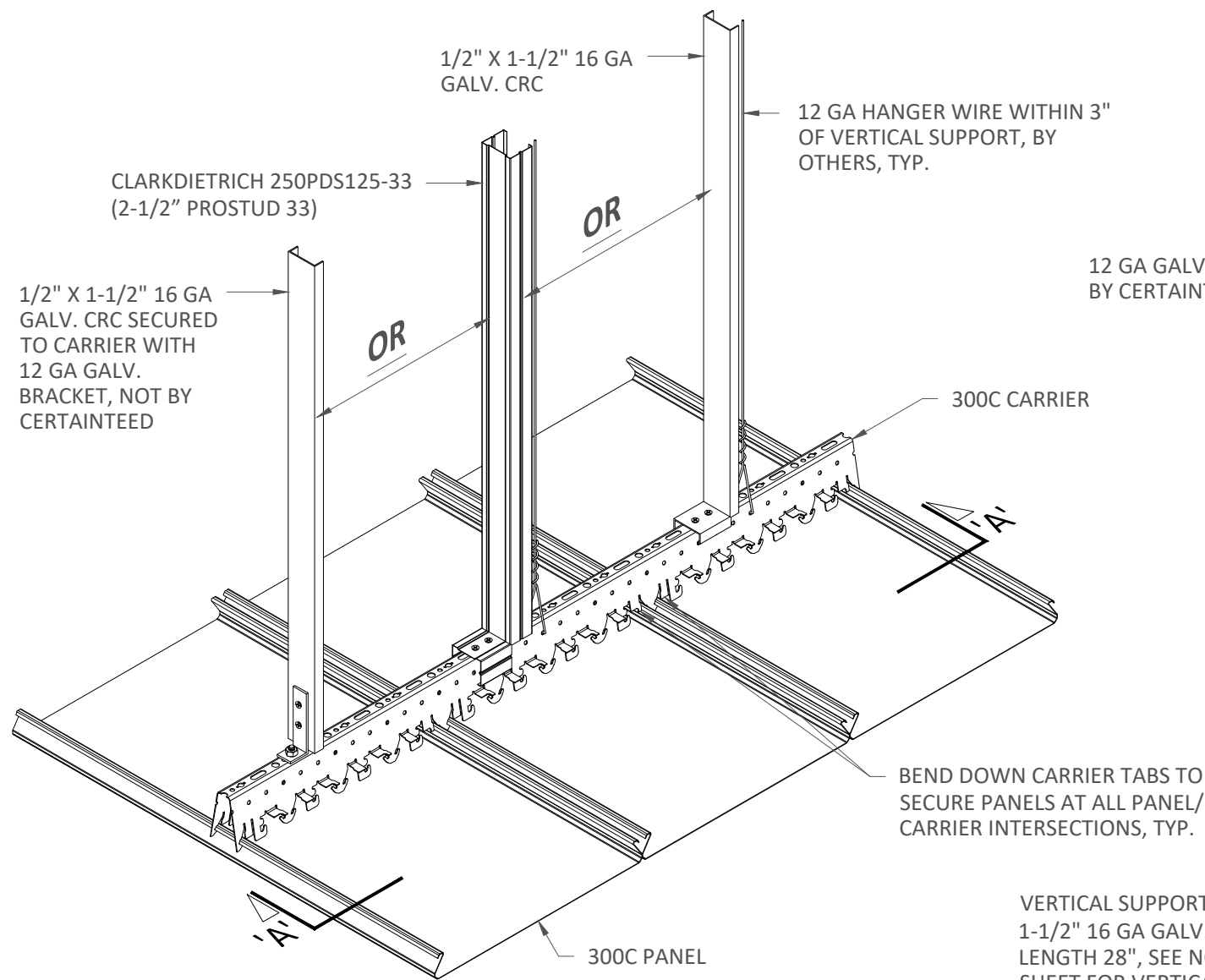
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MATERIAL: .028" ALUMINUM 300C PANEL | .040" ALUMINUM 300C CARRIER
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 PERFORATION: NON-PERFORATED | #124

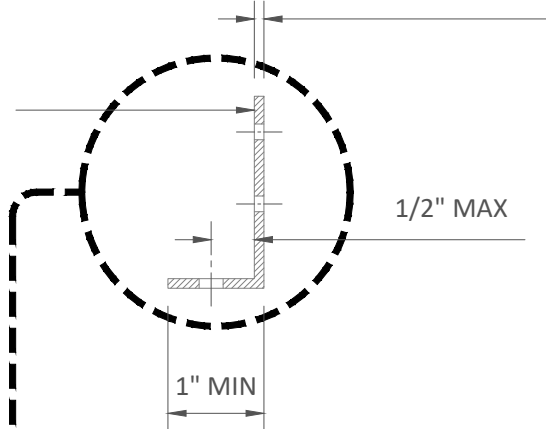
SUSPENSION SPECIFICATIONS

PROJECT: EXTERIOR 300C PRODUCT SPECIFICATIONS
 DRAWING NUMBER: EXT-300C-B1.2
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12 GA GALV. BRACKET, NOT BY CERTAINTEED



NOTE A:

VERTICAL SUPPORT STRUTS (MINIMUM 1-1/2" 16 GA GALV. 'C' CHANNEL OR EQUAL, MAX LENGTH OF 28"). SEE DRAWING # EXT-300C-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 B:
ATTACHMENT TO STRUCTURE DESIGNED AND PROVIDED BY OTHERS, NOT BY CERTAINTEED

NOTE C:
300C CARRIERS AND PANELS ARE DIRECTIONAL, CHECK ORIENTATION PRIOR TO INSTALLATION

BEND DOWN CARRIER TABS TO SECURE PANELS AT ALL PANEL/CARRIER INTERSECTIONS, TYP.

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

OR
SEE TABLE 1 ON DRAWING # EXT-300C-B1.2 FOR MAX O.C. SPACING REQUIREMENTS, TYP.

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

OR
12 GA HANGER WIRE, WITHIN 3" OF VERTICAL SUPPORT, TYP., NOT BY CERTAINTEED

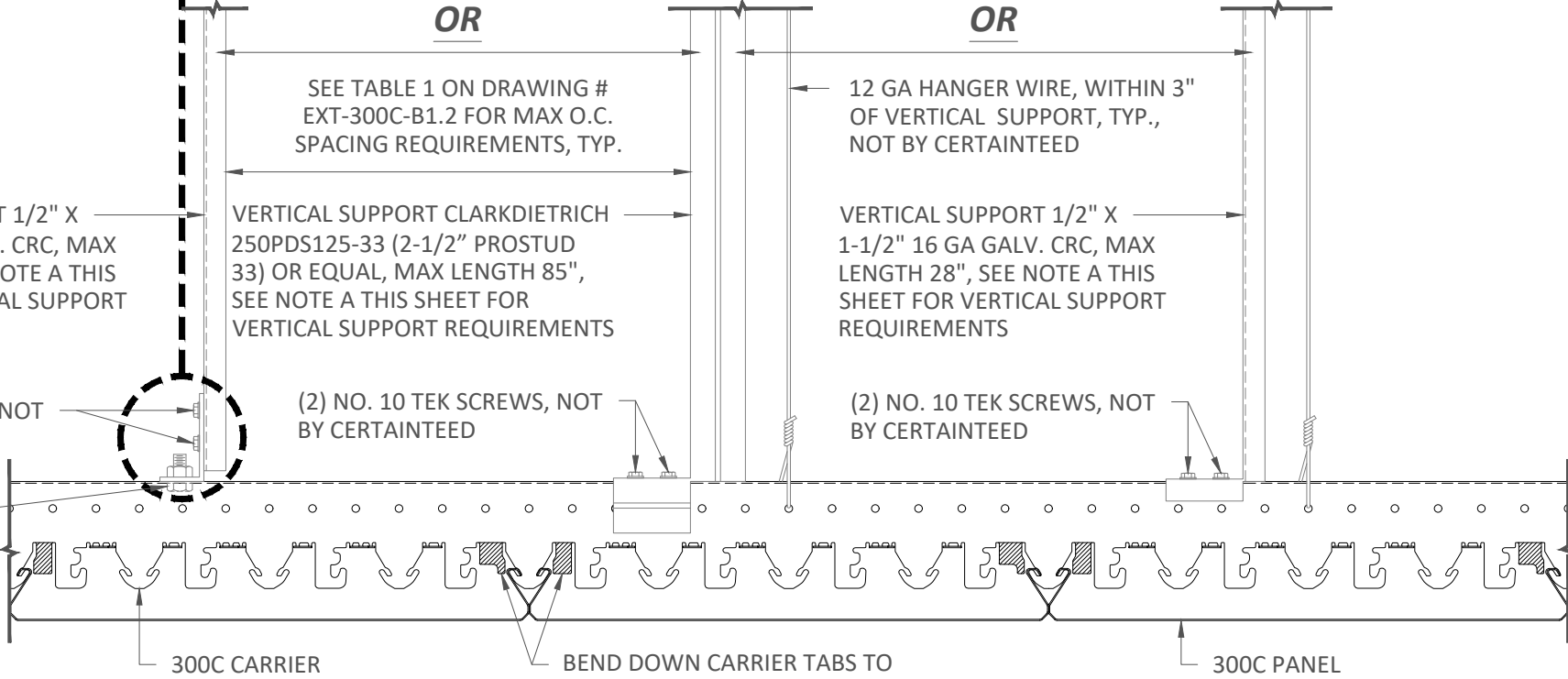
VERTICAL SUPPORT 1/2" X 1-1/2" 16 GA GALV. CRC, MAX LENGTH 28", SEE NOTE A THIS SHEET FOR VERTICAL SUPPORT REQUIREMENTS

(2) NO. 10 TEK SCREWS, NOT BY CERTAINTEED

(2) NO. 10 TEK SCREWS, NOT BY CERTAINTEED

(2) NO. 10 TEK SCREWS, NOT BY CERTAINTEED

1/4" DIAMETER X 20 GRADE 2 NUT & BOLT IN PRE-PUNCHED CARRIER HOLE, NOT BY CERTAINTEED



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

EXTERIOR INSTALLATION

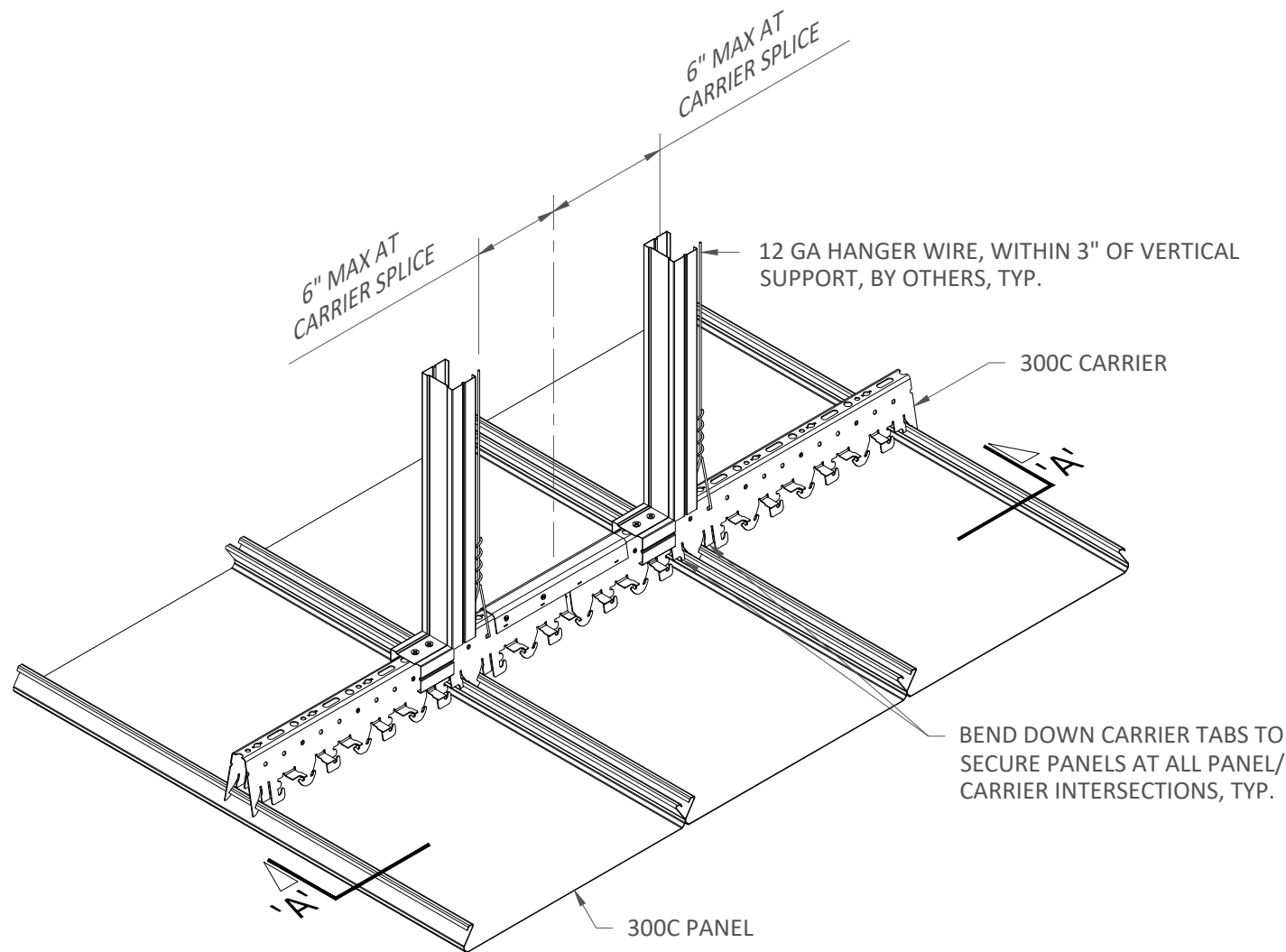


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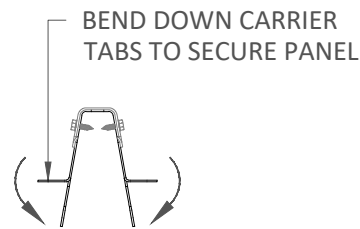
VERTICAL SUPPORT SPECIFICATIONS
PROJECT: EXTERIOR 300C PRODUCT SPECIFICATIONS
DRAWING NUMBER: EXT-300C-B1.3
SCALE: 3" = 1'-0"
DRAWN BY: CTA ENGINEERING
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IF THE DESIRED CARRIER LENGTH EXCEEDS THE MAXIMUM OF 16'-0" [4.880M], USE A LUXALON CARRIER SPLICE, TO CONNECT TWO FACTORY CARRIER ENDS.

THE TABS OF THE SPLICE SNAP INTO THE HOLES IN THE CARRIER AND SECURE WITH TEK SCREWS ON 1 CARRIER END ONLY. THE MODULE IS CONTINUED AUTOMATICALLY.

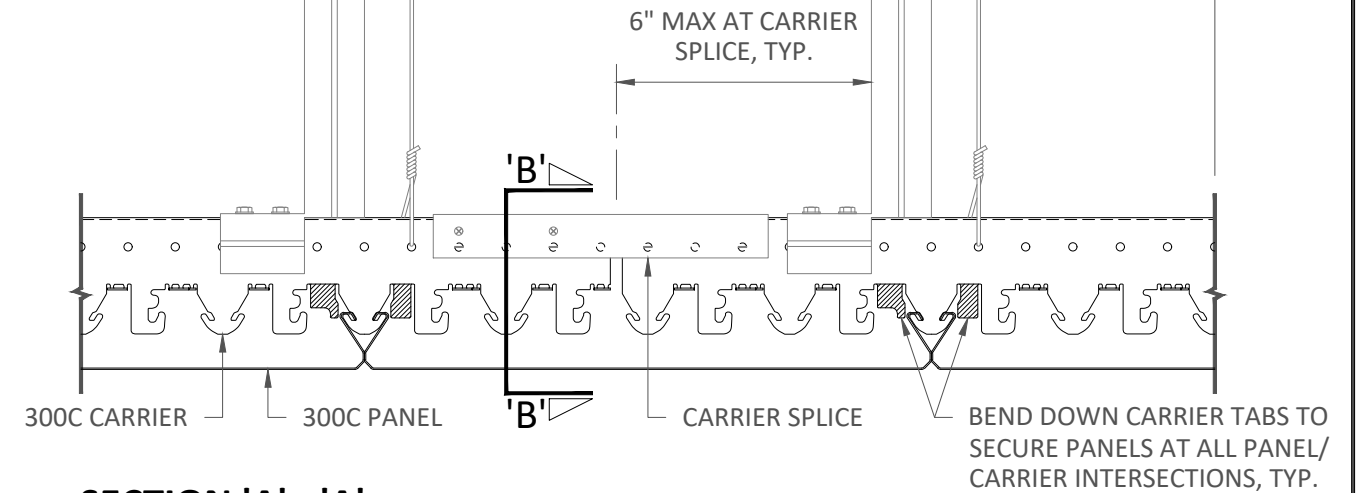


SECTION 'B' - 'B'
SCALE: 3" = 1'-0"

VERTICAL SUPPORT DIETRICH STE-20 2-1/2" 20 GA GALV. STEEL STUD OR EQUAL, MAX LENGTH 85", SEE NOTE A ON DRAWING # 300C-B1.2 FOR VERTICAL SUPPORT REQUIREMENTS

SEE TABLE 1 ON DRAWING # 300C-B1.2 FOR MAX O.C. SPACING REQUIREMENTS, TYP.

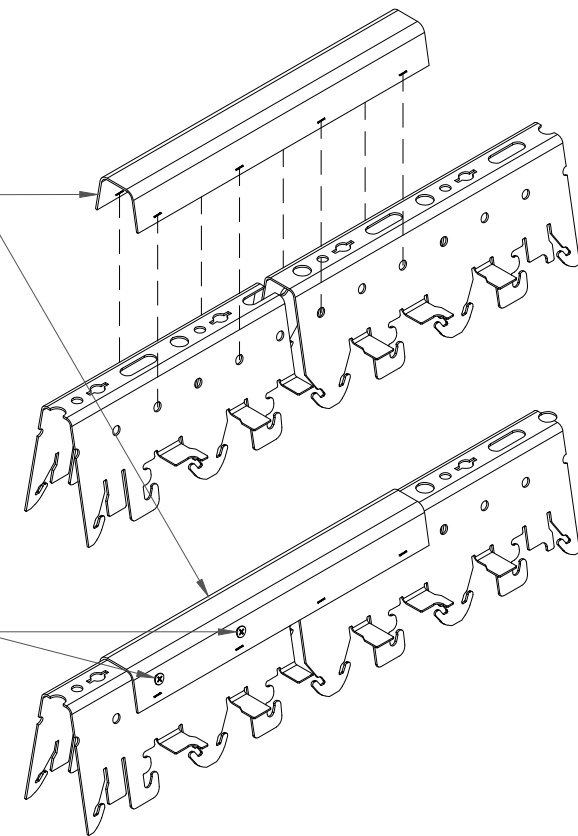
12 GA HANGER WIRE WITHIN 3" OF VERTICAL SUPPORT, BY OTHERS, TYP.



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

SNAP SPLICE TABS INTO 300C CARRIER, SECURE WITH (2) TEK SCREWS PER SPLICE SIDE, (4) SCREWS TOTAL, REQUIRED

SECURE ONE CARRIER END ONLY



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CARRIER SPLICE

PROJECT: EXTERIOR 300C PRODUCT SPECIFICATIONS
DRAWING NUMBER: EXT-300C-B1.4
SCALE: 3" = 1'-0"
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VERTICAL SUPPORT CLARKDIETRICH 250PDS125-33 (2-1/2" PROSTUD 33) OR EQUAL, MAX LENGTH 85", SEE NOTE A ON DRAWING # EXT-300C-B1.2 FOR VERTICAL SUPPORT REQUIREMENTS

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

12" MAX PANEL OVERHANG

12" MAX PANEL OVERHANG

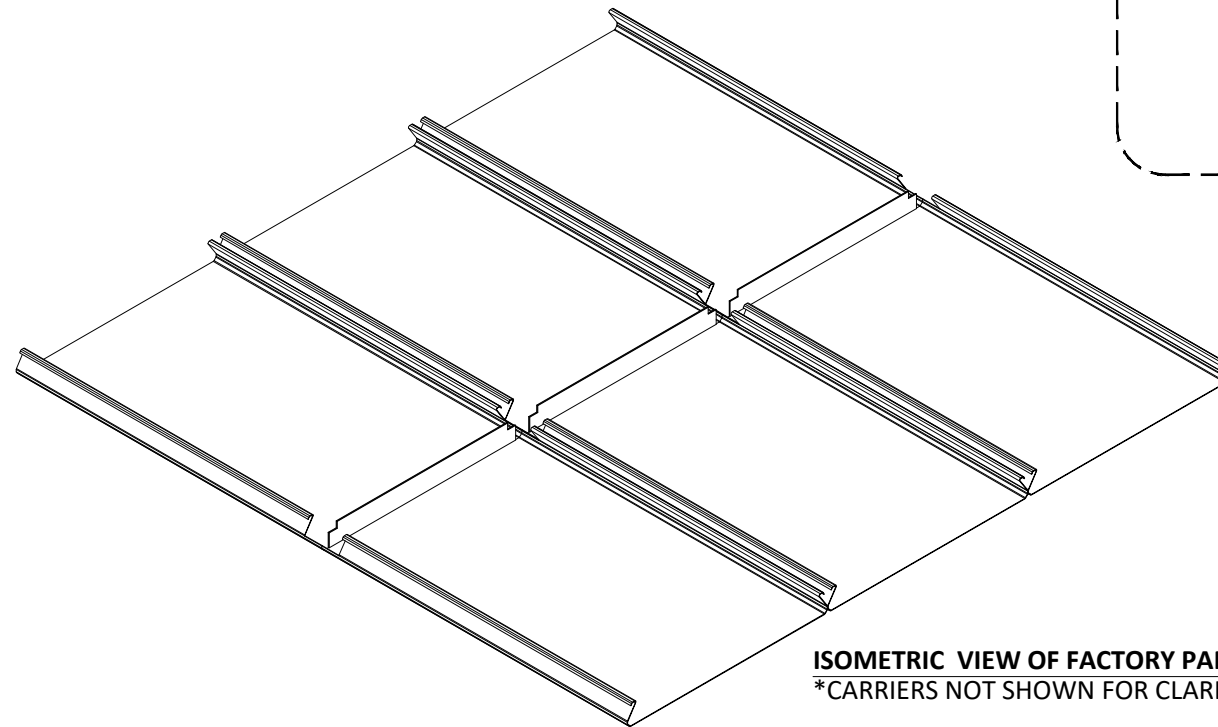
SEE TABLE 1 ON DRAWING # EXT-300C-B1.2 FOR MAX O.C. SPACING REQUIREMENTS, TYP.

300C PANEL

300C CARRIER

BEND DOWN CARRIER TABS DURING PROGRESSIVE EXTERIOR INSTALLATION, TYP. AT ALL PANEL/CARRIER INTERSECTIONS

DO NOT FASTEN PANEL ENDS TOGETHER. DOING SO WILL CAUSE DEFORMATION IN PANEL FACE.



ISOMETRIC VIEW OF FACTORY PANEL ENDS AT JOINT
*CARRIERS NOT SHOWN FOR CLARITY

NOTE: 300C PANEL ENDS MUST BUTT AT FACTORY PANEL ENDS AND PANELS CANNOT BE SPLICED. PANEL ENDS CAN ONLY BE FIELD CUT AT PERIMETERS WHERE TRIMS ARE USED FOR TERMINATIONS. PANEL SPLICES ARE NOT REQUIRED NOR AVAILABLE.

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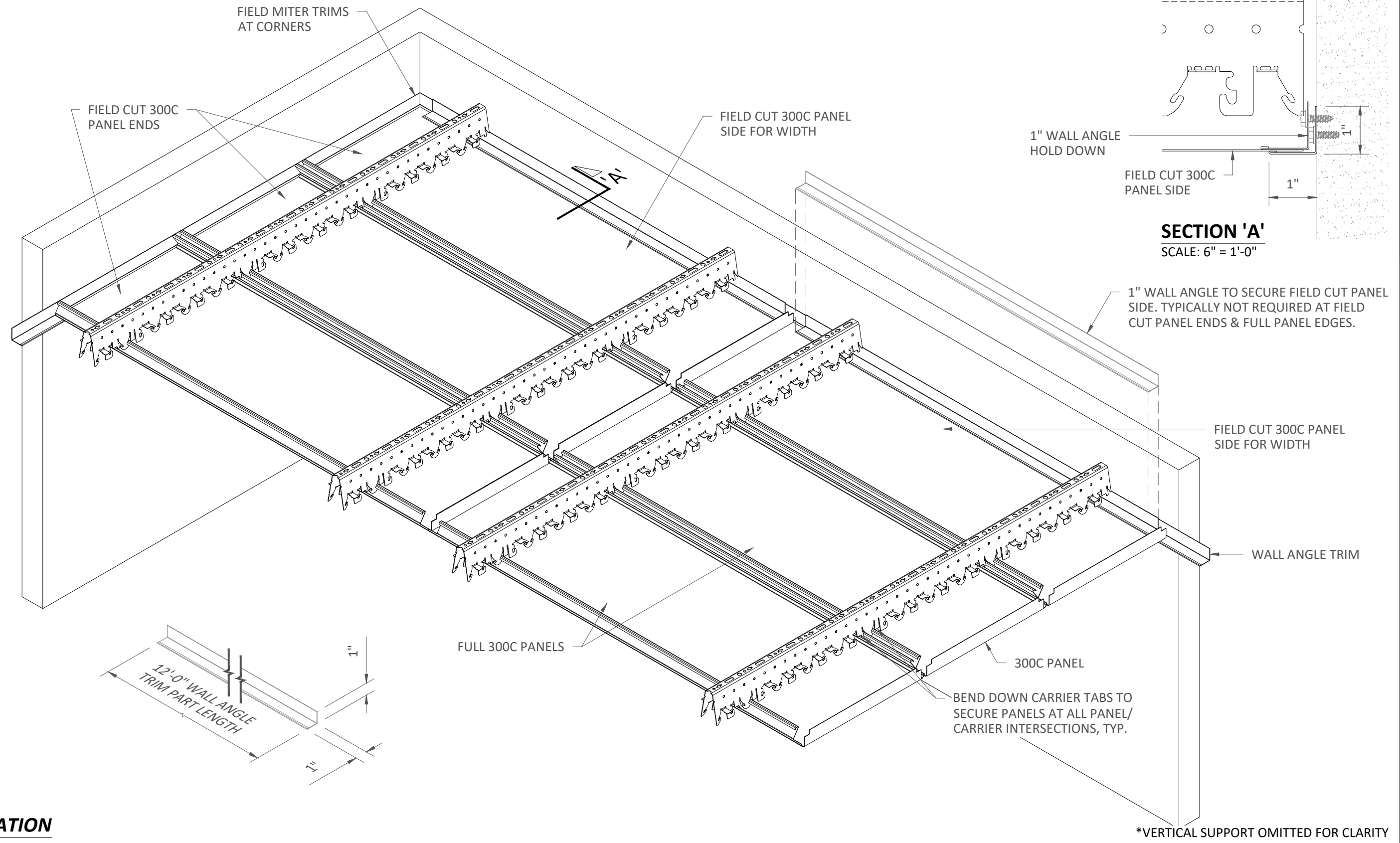
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PANEL BUTT JOINT

PROJECT: EXTERIOR 300C PRODUCT SPECIFICATIONS
DRAWING NUMBER: EXT-300C-B1.5
SCALE: NOT TO SCALE
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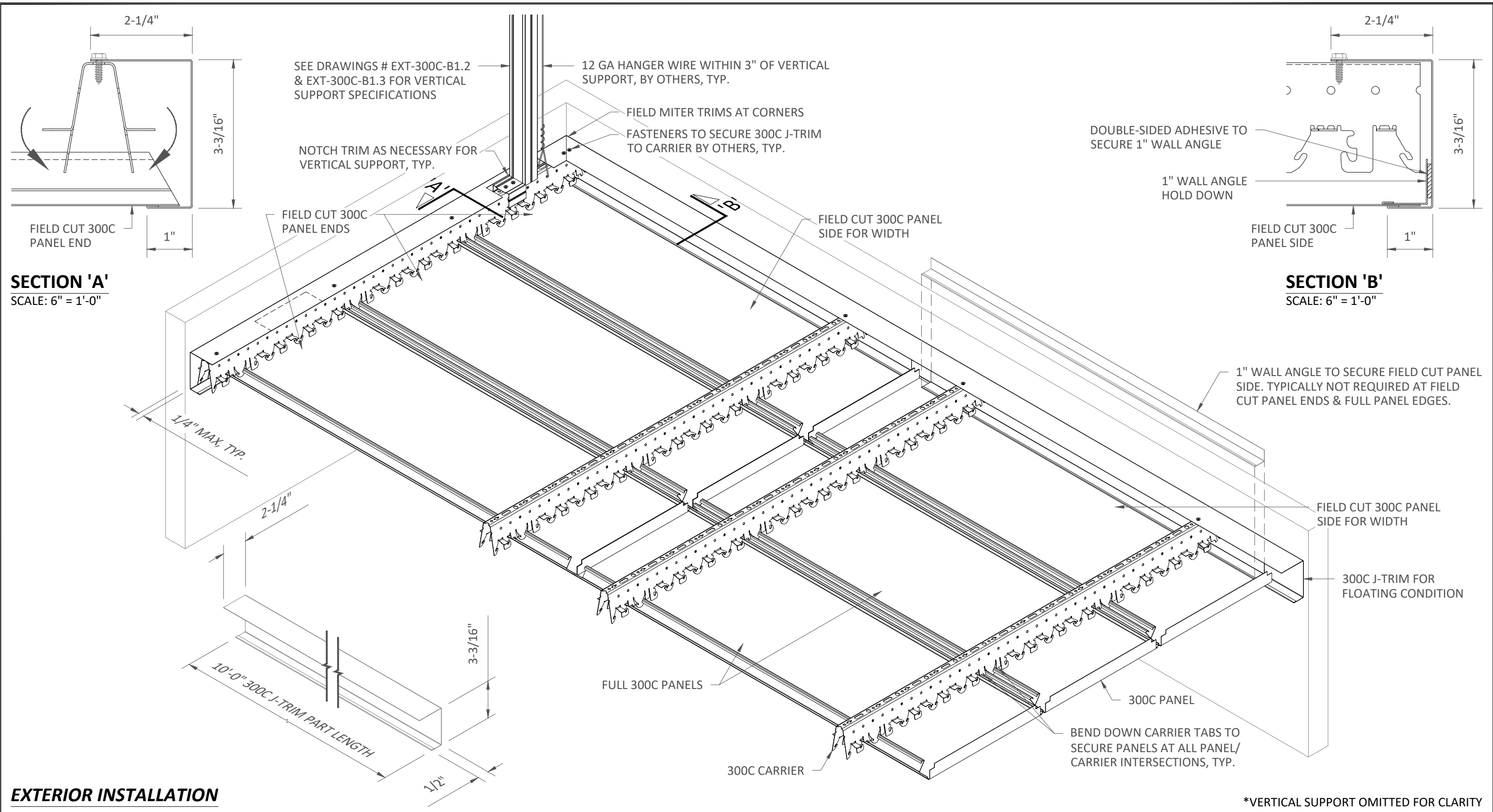
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WALL ANGLE TRIM

PROJECT: EXTERIOR 300C PRODUCT SPECIFICATIONS
 DRAWING NUMBER: EXT-300C-B1.6
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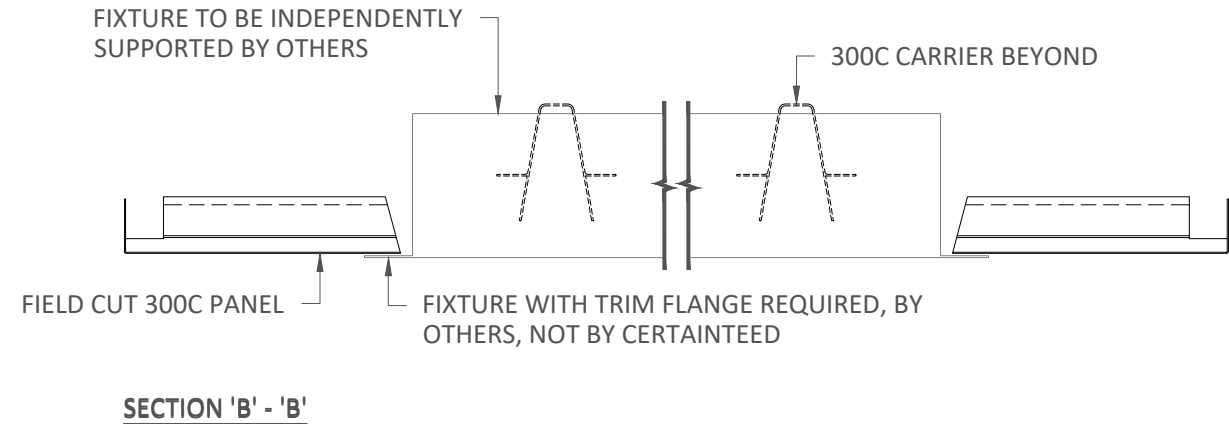
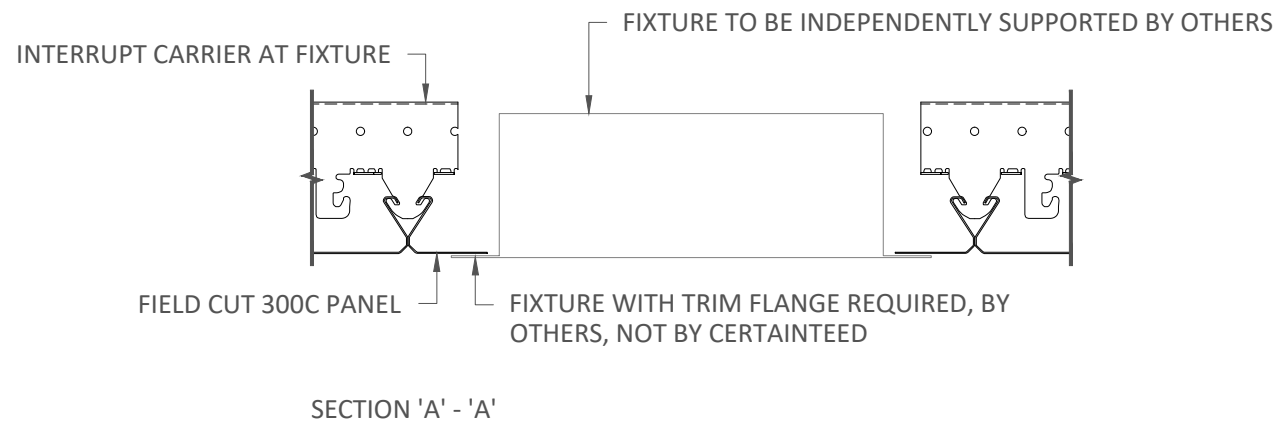
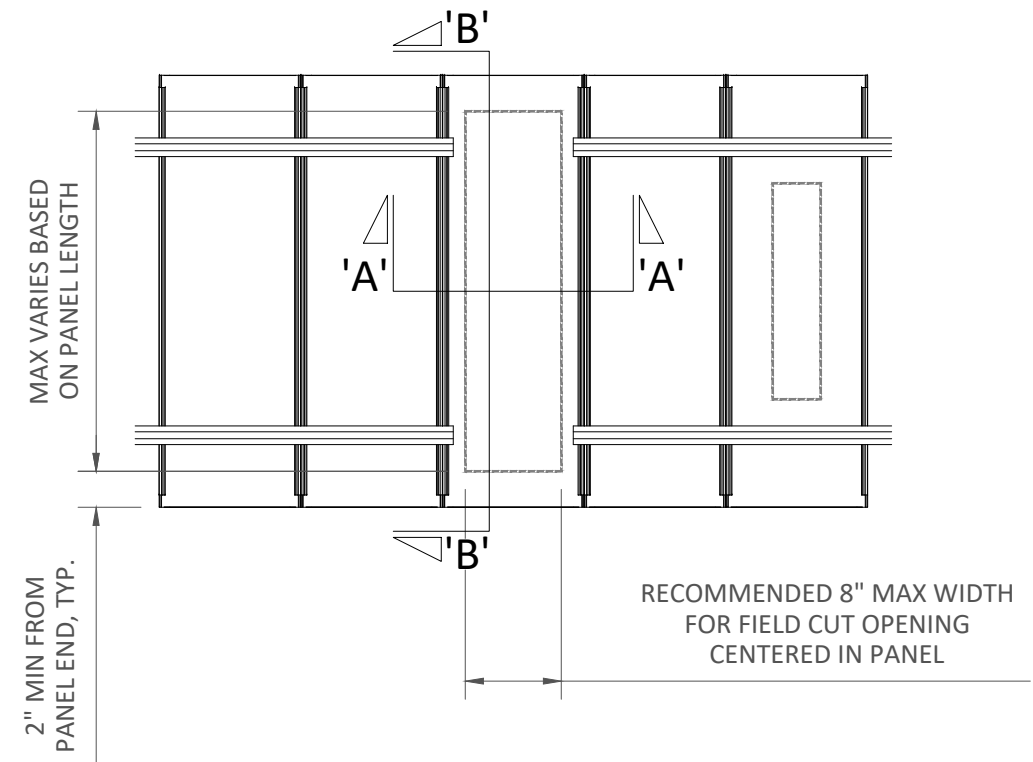
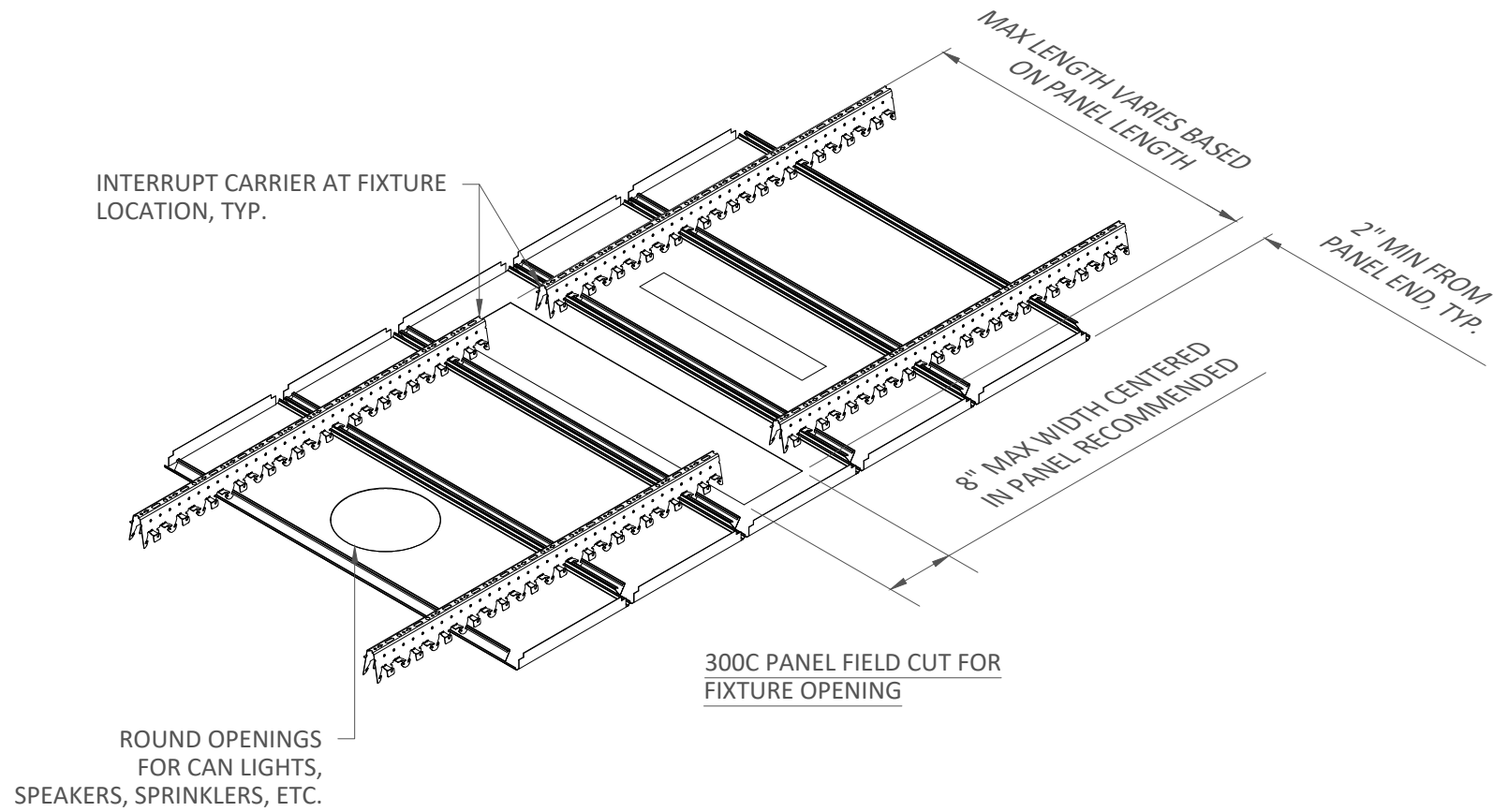
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FLOATING TRIM

PROJECT: EXTERIOR 300C PRODUCT SPECIFICATIONS
DRAWING NUMBER: EXT-300C-B1.7
SCALE: NOT TO SCALE
DRAWN BY: CTA ENGINEERING
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NOTE: ROUND OPENINGS LESS THAN EIGHT (8) INCHES DIAMETER TYPICALLY FIELD CUT INTO PANEL FACE, TRIM FOR ALL FIXTURES BY OTHERS NOT BY CERTAINTEED



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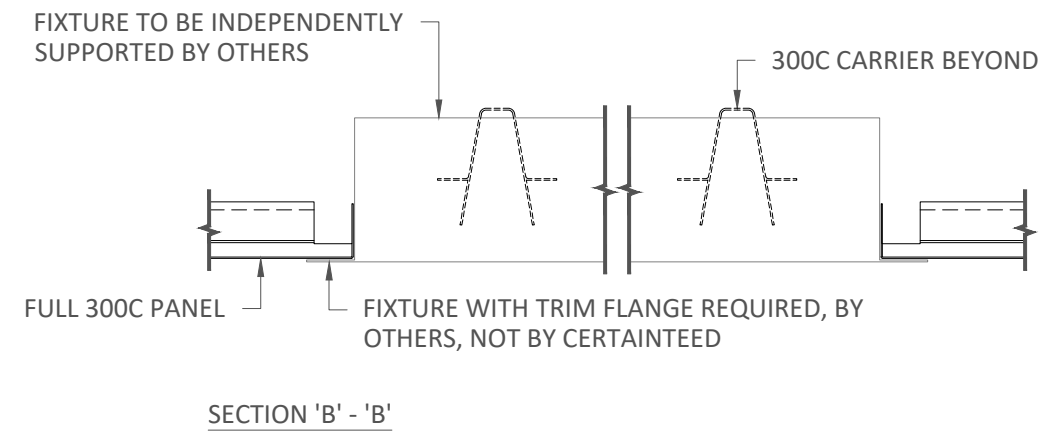
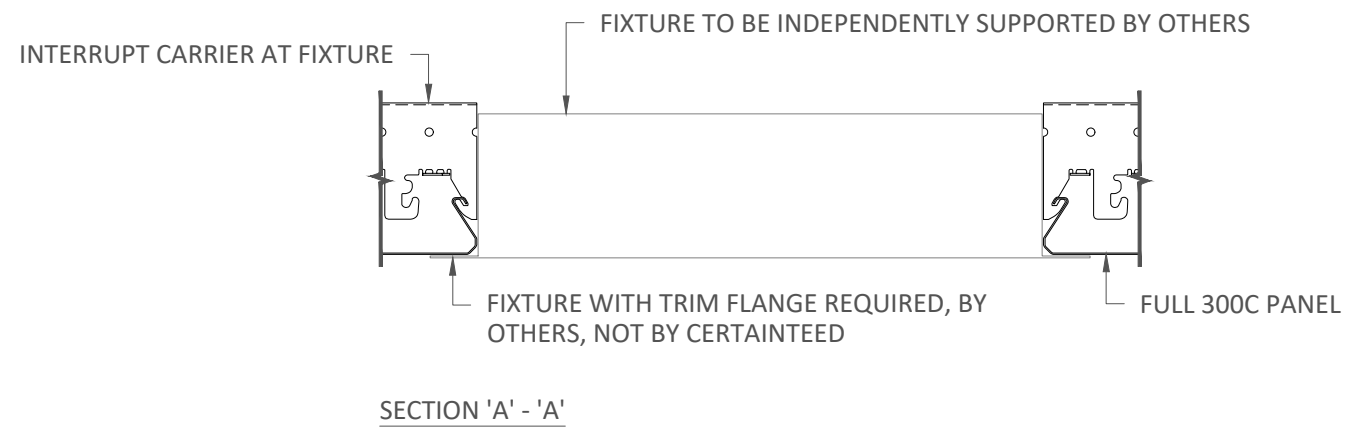
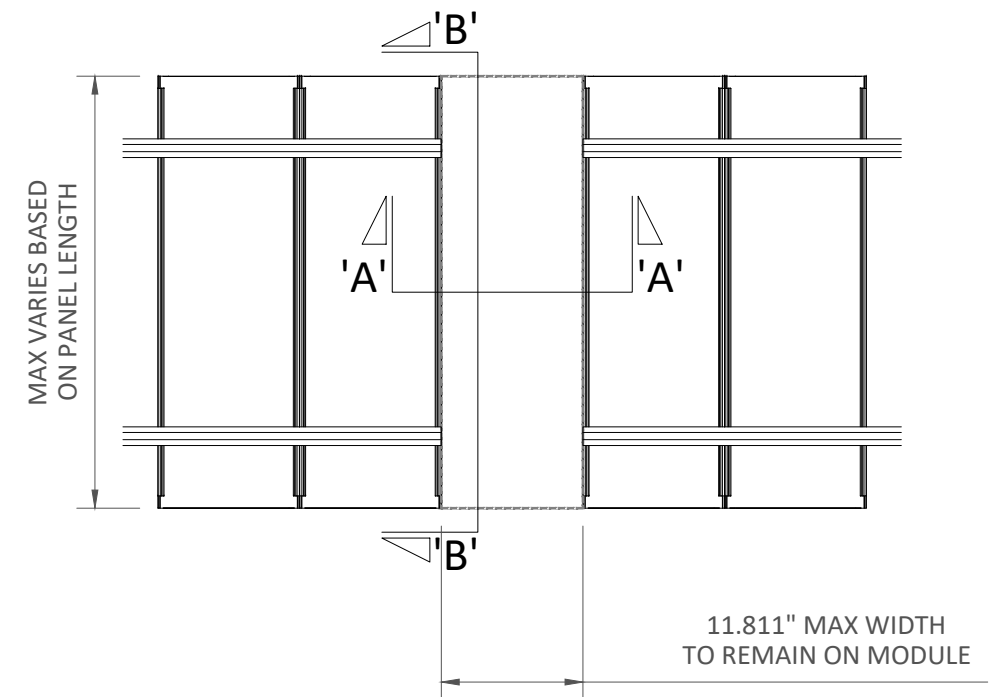
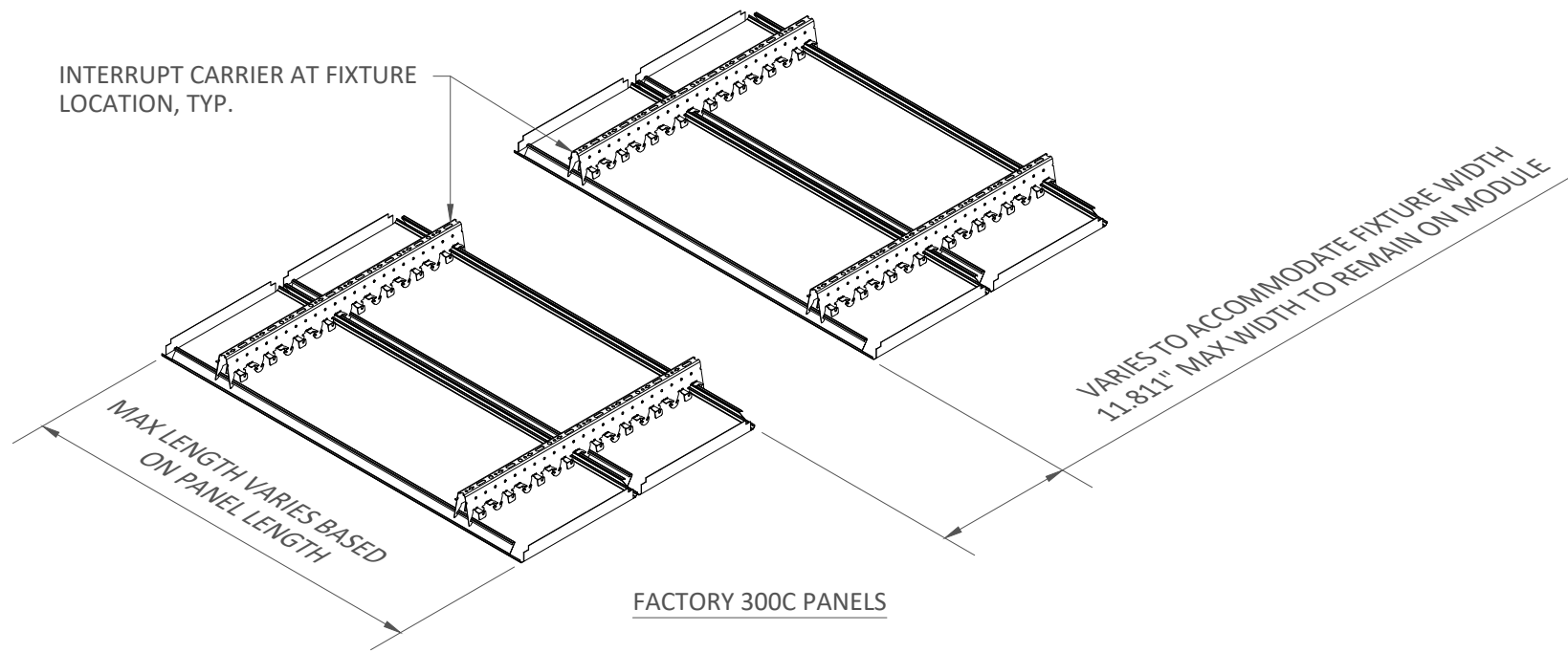
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FIELD CUT PANEL FOR FIXTURE OPENINGS

PROJECT: EXTERIOR 300C PRODUCT SPECIFICATIONS
 DRAWING NUMBER: EXT-300C-B1.8
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NOTE: FIXTURE WITH TRIM FLANGE NOT BY CERTAINTEED



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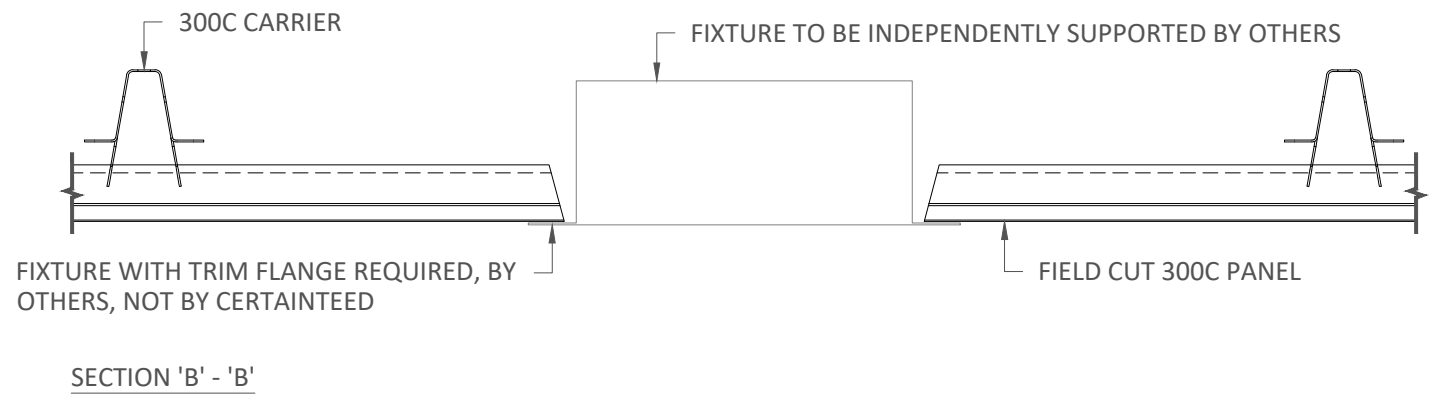
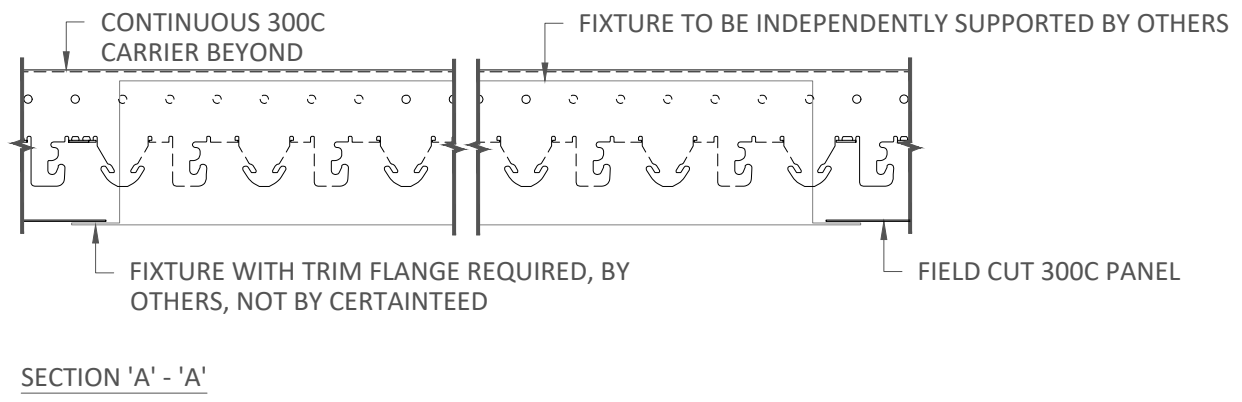
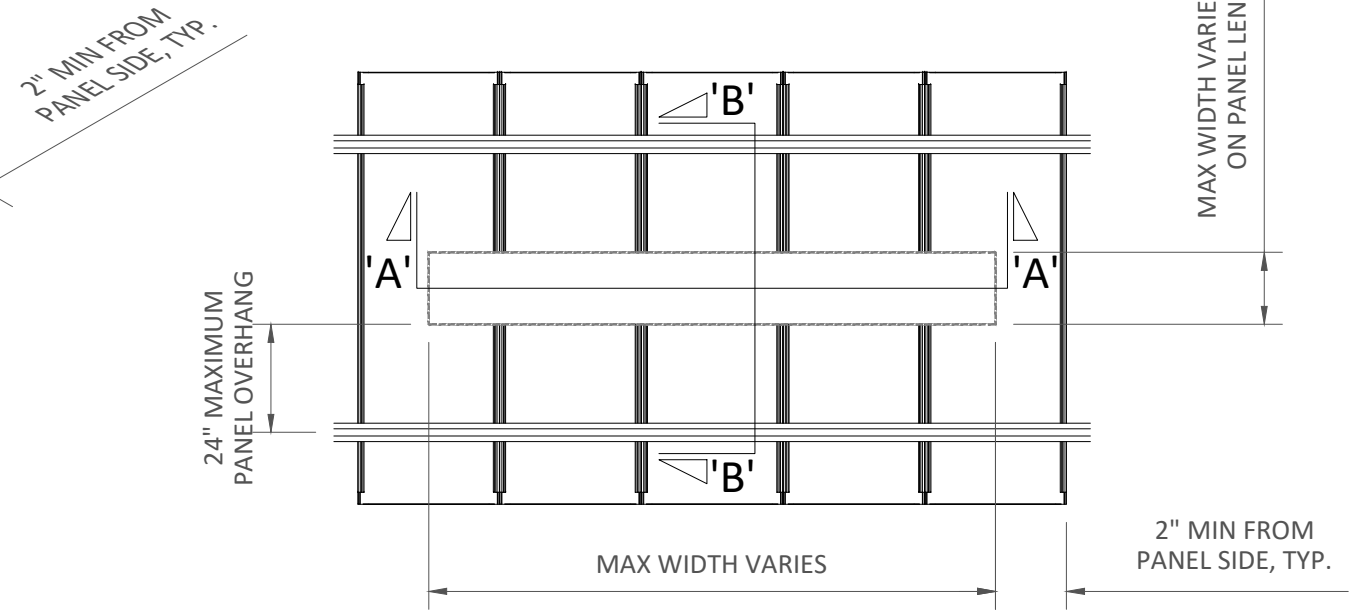
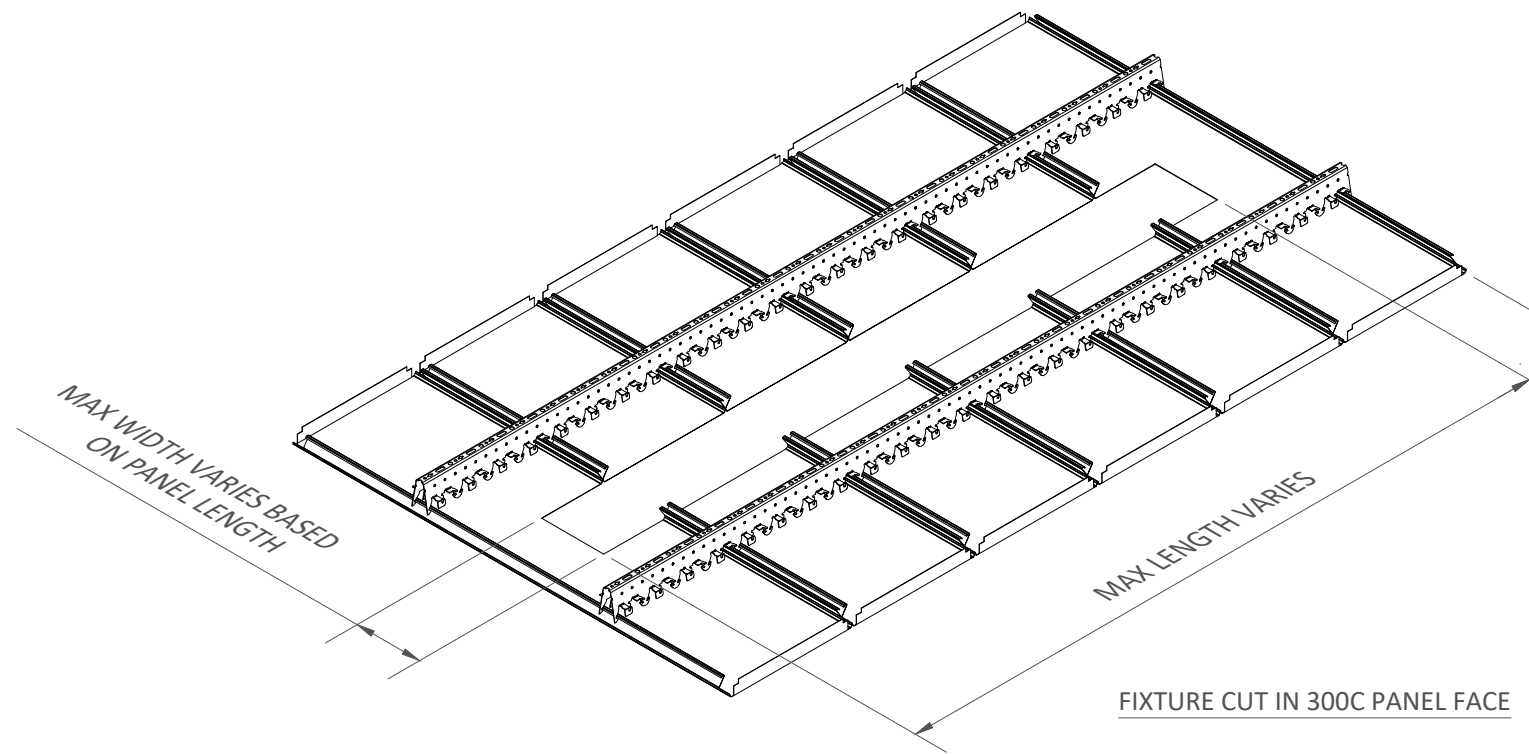
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INTERRUPTED PANEL FOR FIXTURE OPENINGS

PROJECT: EXTERIOR 300C PRODUCT SPECIFICATIONS
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NOTE: ROUND OPENINGS LESS THAN EIGHT (8) INCHES DIAMETER TYPICALLY FIELD CUT INTO PANEL FACE, TRIM FOR ALL FIXTURES BY OTHERS NOT BY CERTAINTEED

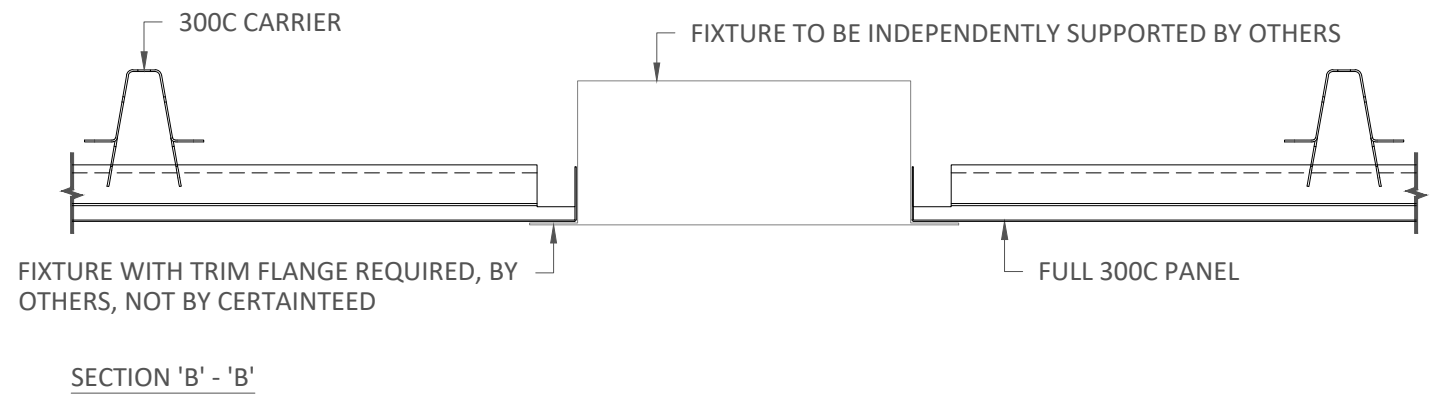
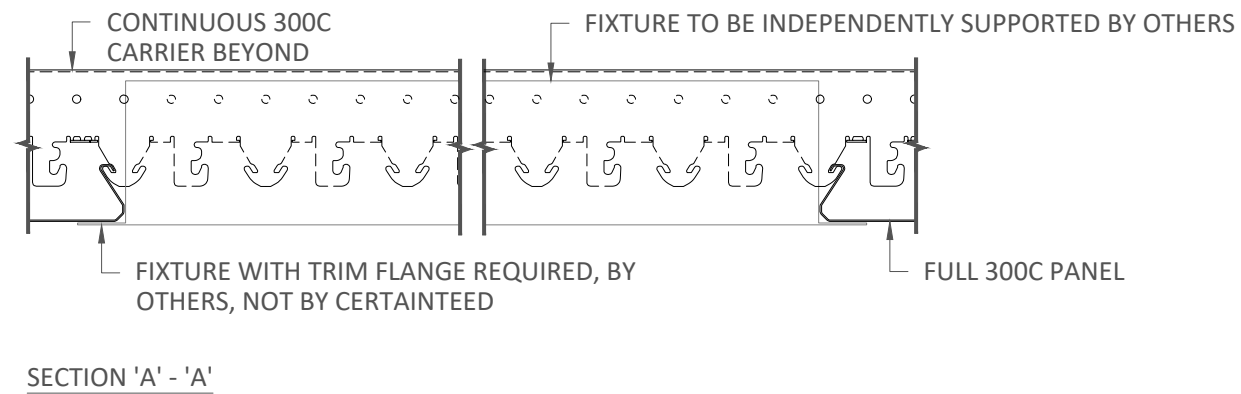
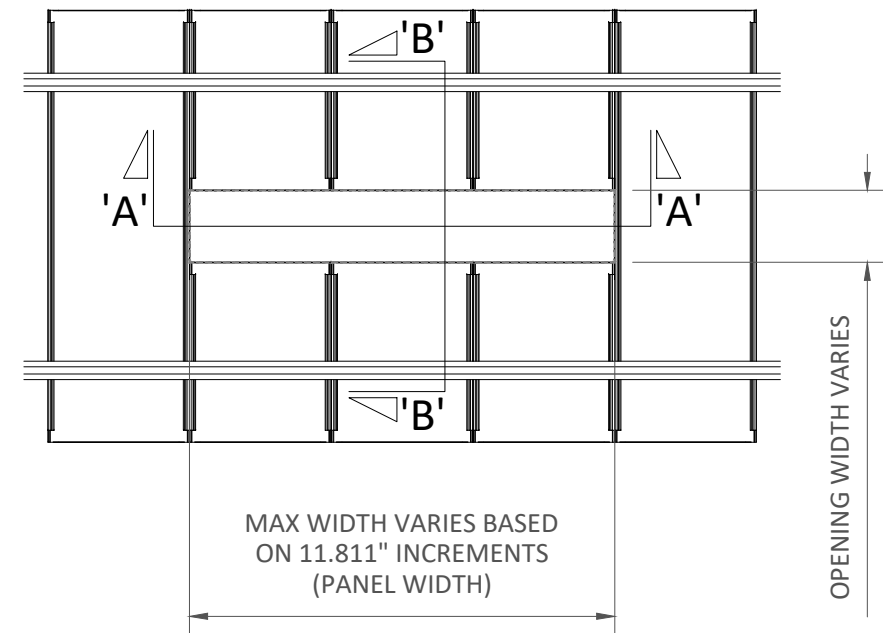
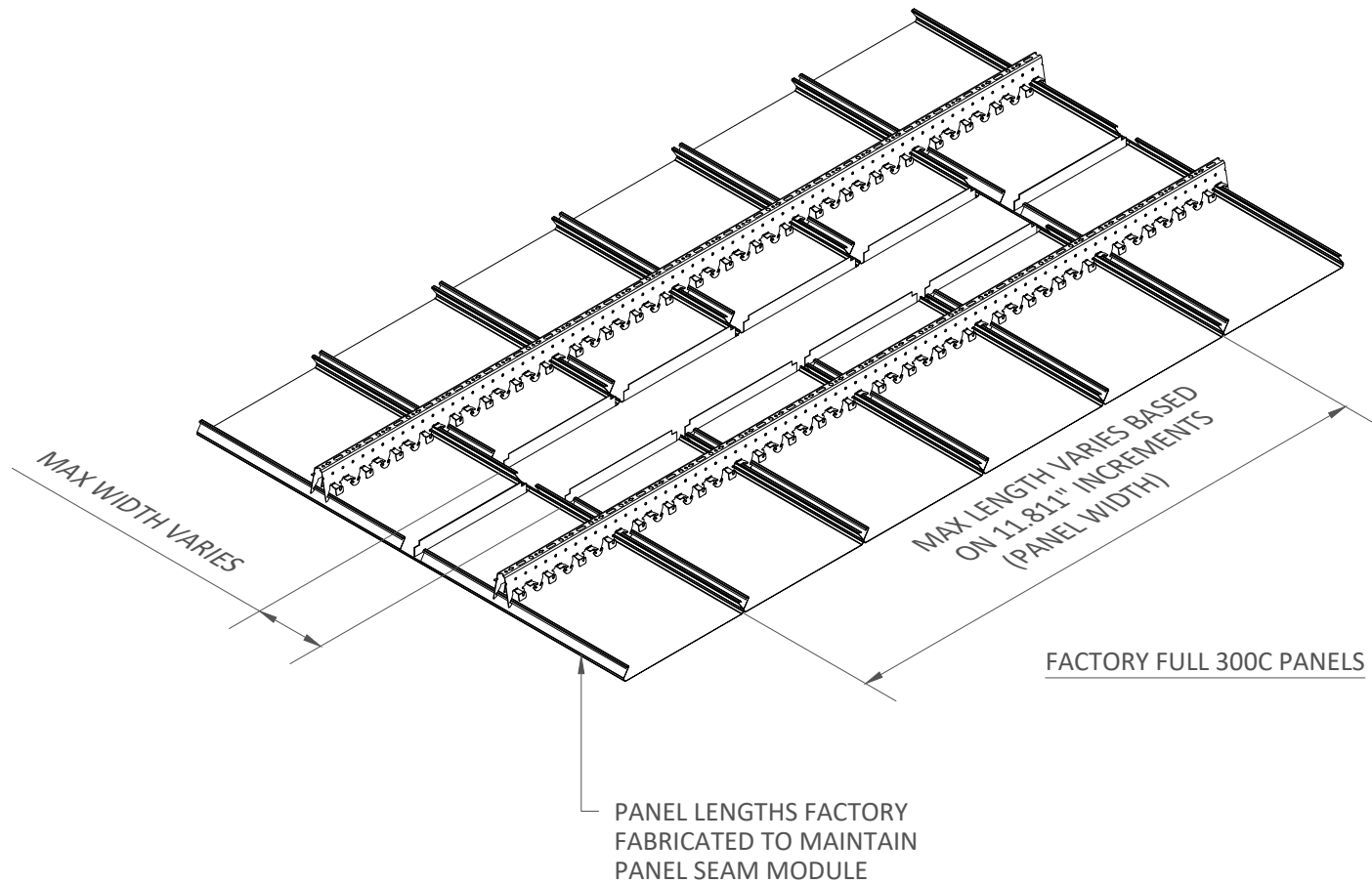


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www.certainteed.com/architectural

SPECIFICATIONS
 (unless noted otherwise)
 MATERIAL: .028" ALUMINUM 300C PANEL | .040" ALUMINUM 300C CARRIER
 FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE
 PERFORATION: NON-PERFORATED | #124

FIELD CUT PANEL FOR FIXTURE OPENINGS
 PROJECT: EXTERIOR 300C PRODUCT SPECIFICATIONS
 DRAWING NUMBER: EXT-300C-B1.10
 SCALE: 3" = 1'-0"
 DRAWN BY: CTA ENGINEERING
 DATE: 6/1/21

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NOTE: FIXTURE WITH TRIM FLANGE NOT BY CERTAINTEED

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SPECIFICATIONS

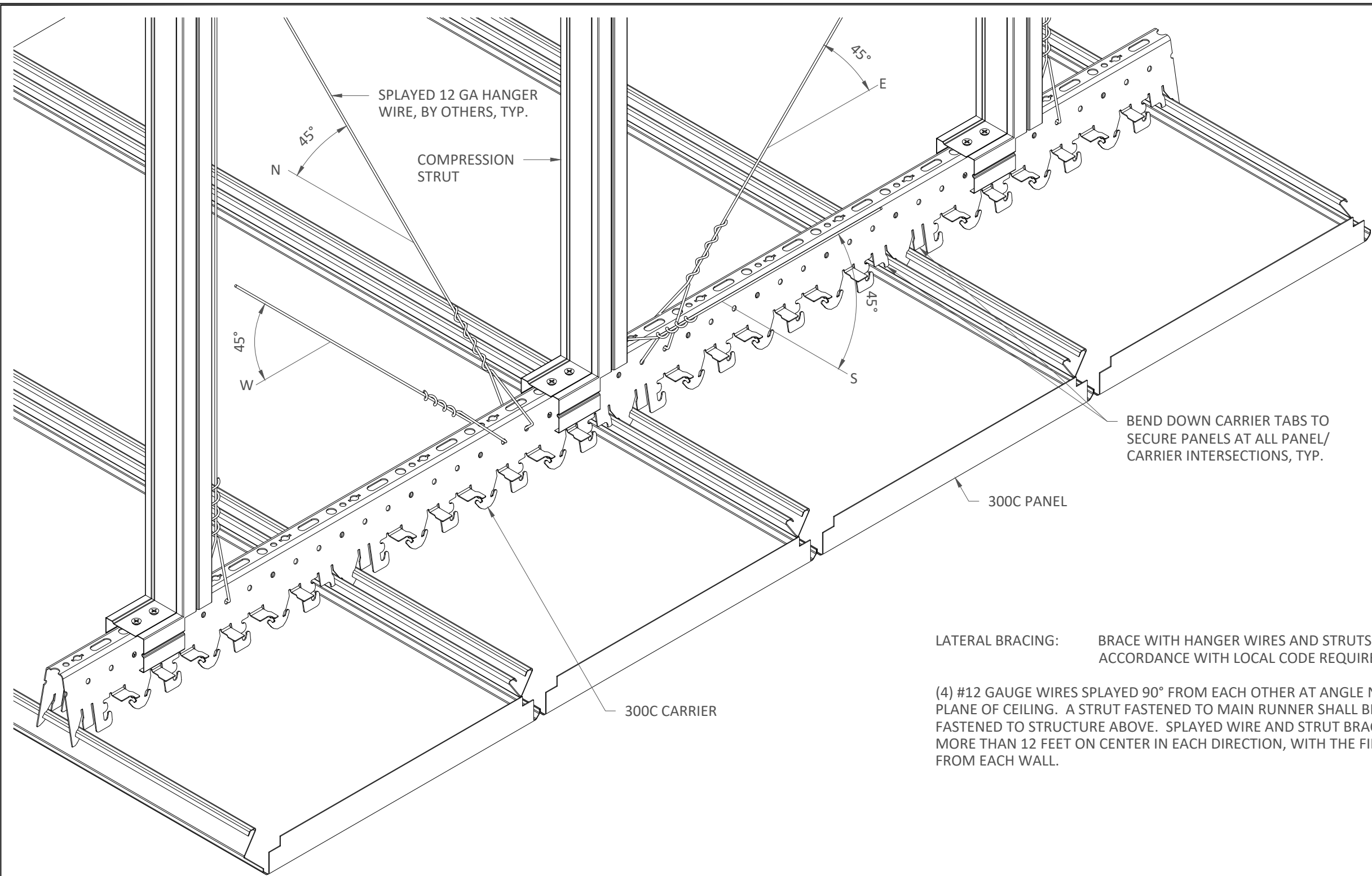
(unless noted otherwise)

MATERIAL: .028" ALUMINUM 300C PANEL | .040" ALUMINUM 300C CARRIER
FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE
PERFORATION: NON-PERFORATED | #124

INTERRUPTED PANEL FOR FIXTURE OPENINGS

PROJECT: EXTERIOR 300C PRODUCT SPECIFICATIONS
DRAWING NUMBER: EXT-300C-B1.11
SCALE: 3" = 1'-0"
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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MATERIAL: .028" ALUMINUM 300C PANEL | .040" ALUMINUM 300C CARRIER
 FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE
 PERFORATION: NON-PERFORATED | #124

SEISMIC SPECIFICATIONS
 PROJECT: EXTERIOR 300C PRODUCT SPECIFICATIONS
 DRAWING NUMBER: EXT-300C-B1.12
 SCALE: NOT TO SCALE
 DRAWN BY: CTA ENGINEERING
 DATE: 6/1/21

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