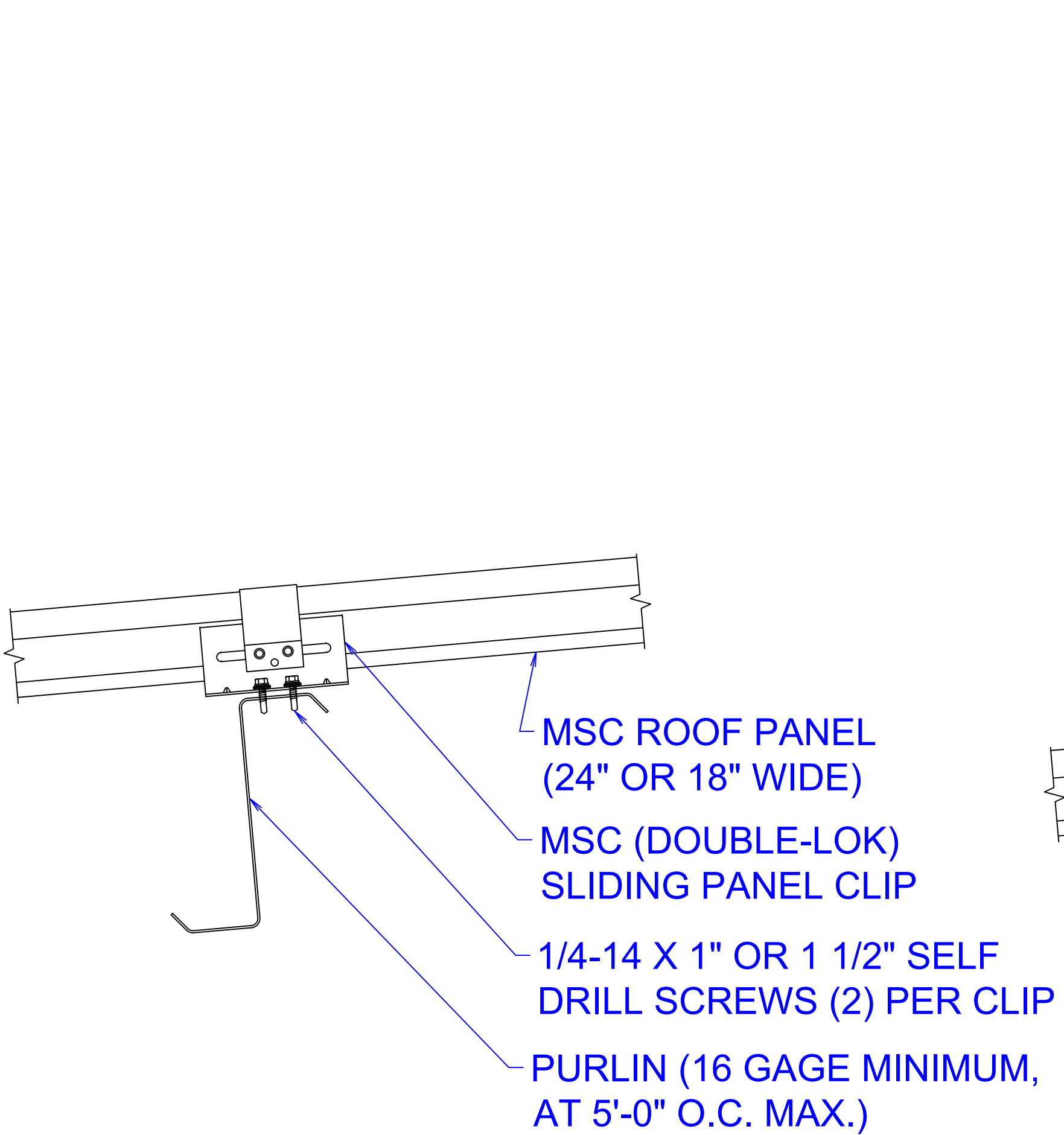
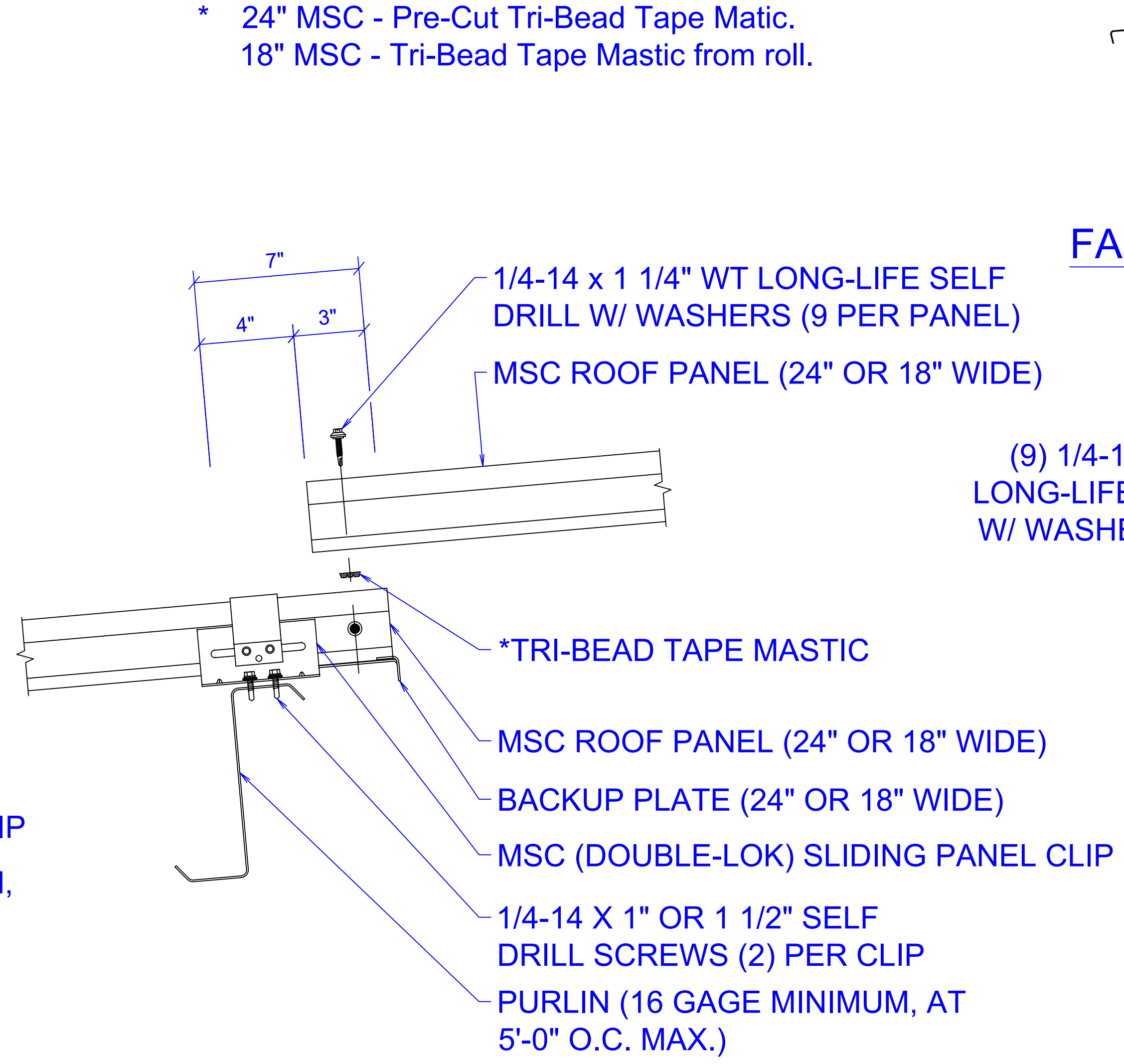


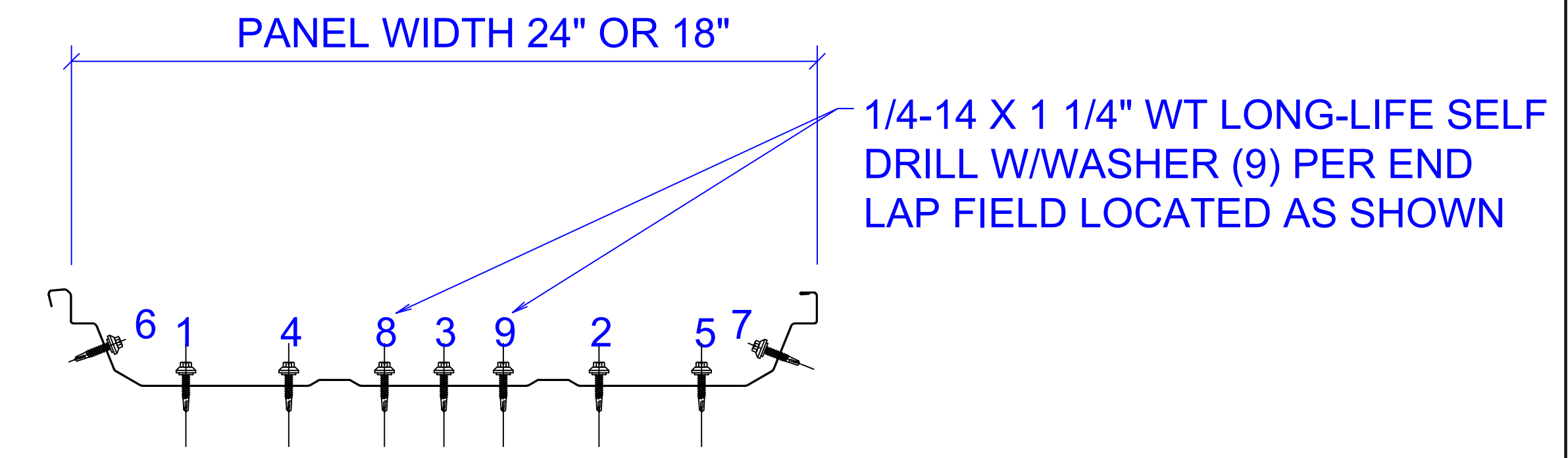


MSC ROOF PANEL TO PURLIN

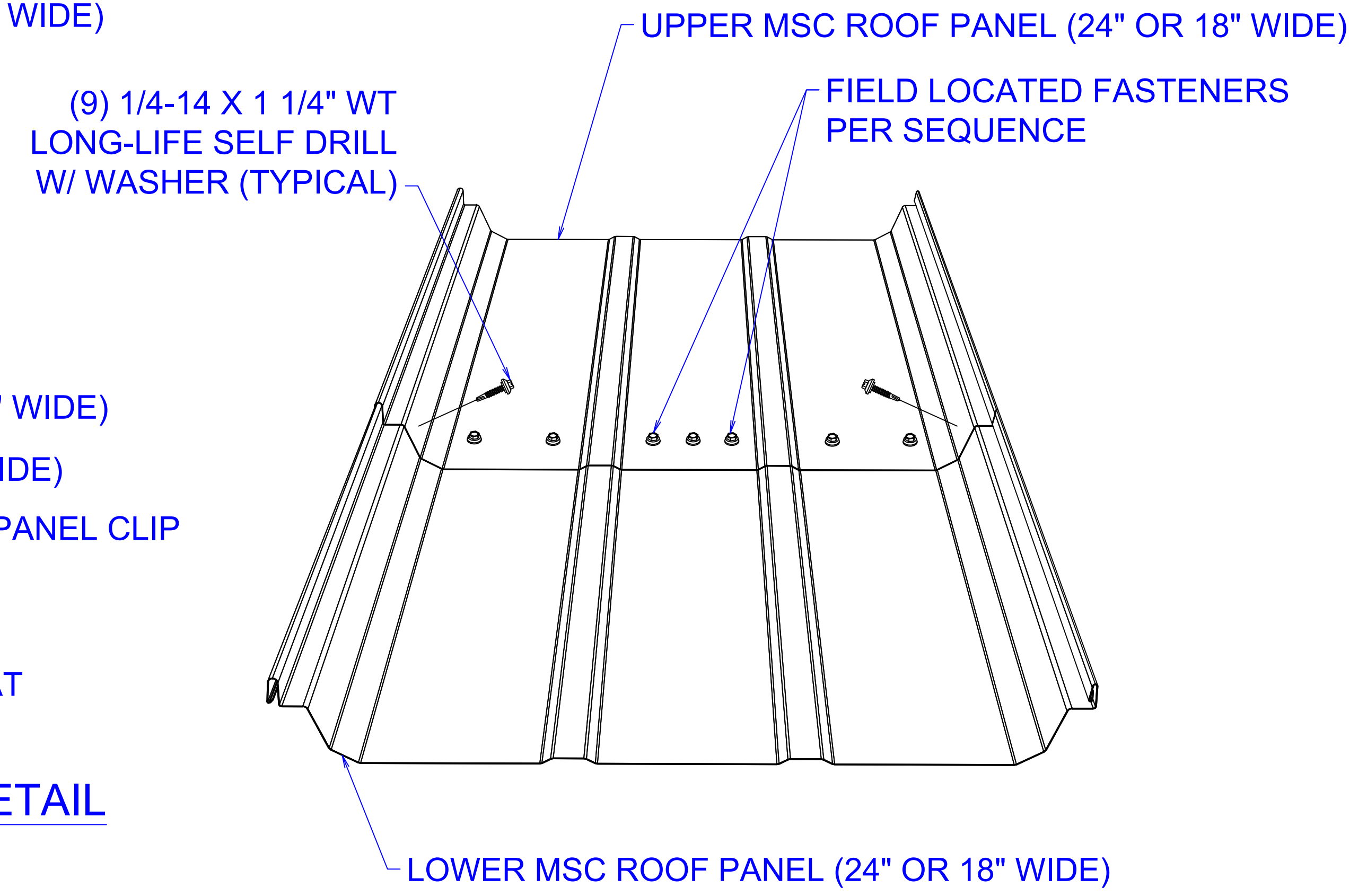


MSC ROOF PANEL FLOATING ENDLAP DETAIL

MSC ROOF PANEL INTERMEDIATE PURLIN CONNECTION



FASTENER INSTALLATION SEQUENCE AT ENDLAP



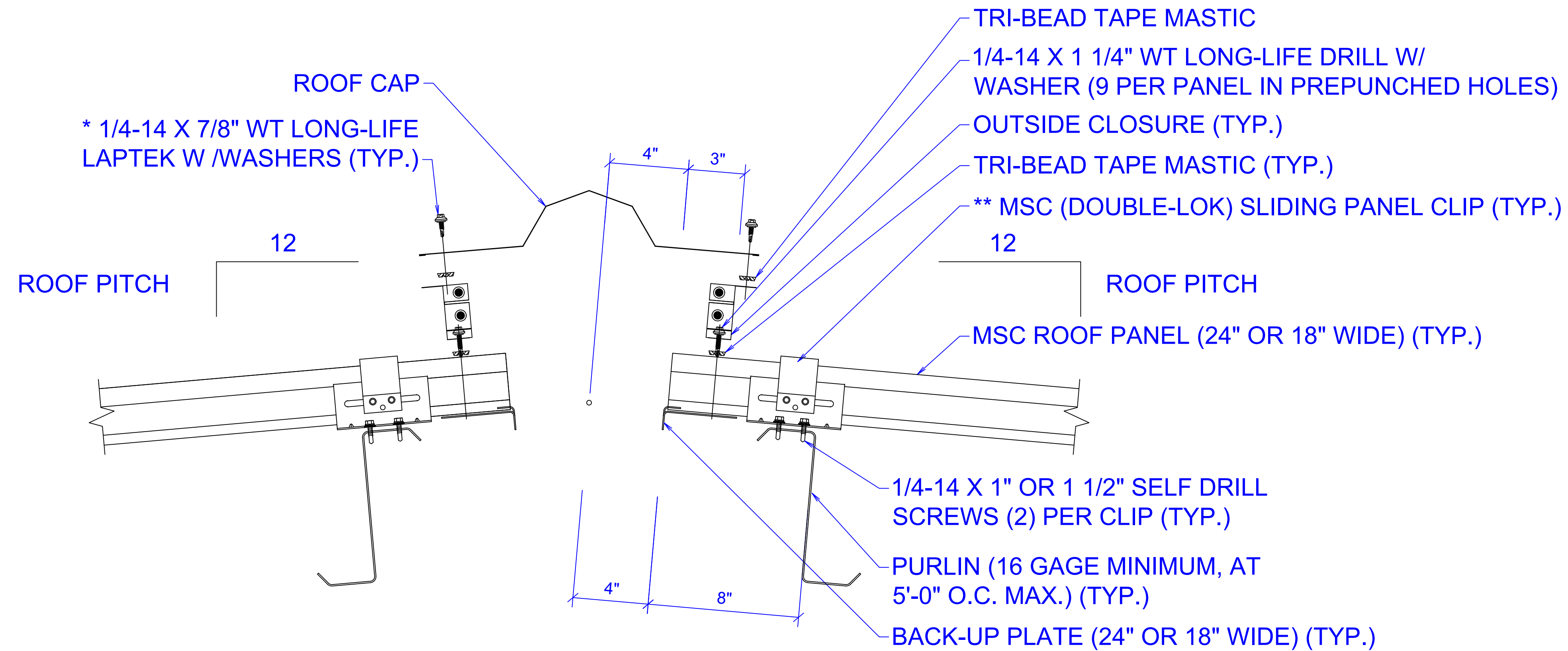
RELEASED	04/23/26
SUPERSEDES	07/21/25

REVISIONS	
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Drawing	DETAILS			
Buyer	----			
End Owner	----			
Jobsite Address	----			
Project Name	----			
CHIEF BUILDINGS	DRAWN	CHECK	ORDER NO.	GD1
	----	xxx	----	
	----	xx/xx/xx		



- * For screw spacing refer to Ridge detail in the MSC/STC Roof Panel Erection Manual.
- ** See Roof Paneling Plan for roof panel clip, panel clip fastener and thermal spacer requirements.

MSC ROOF PANEL AT RIDGE

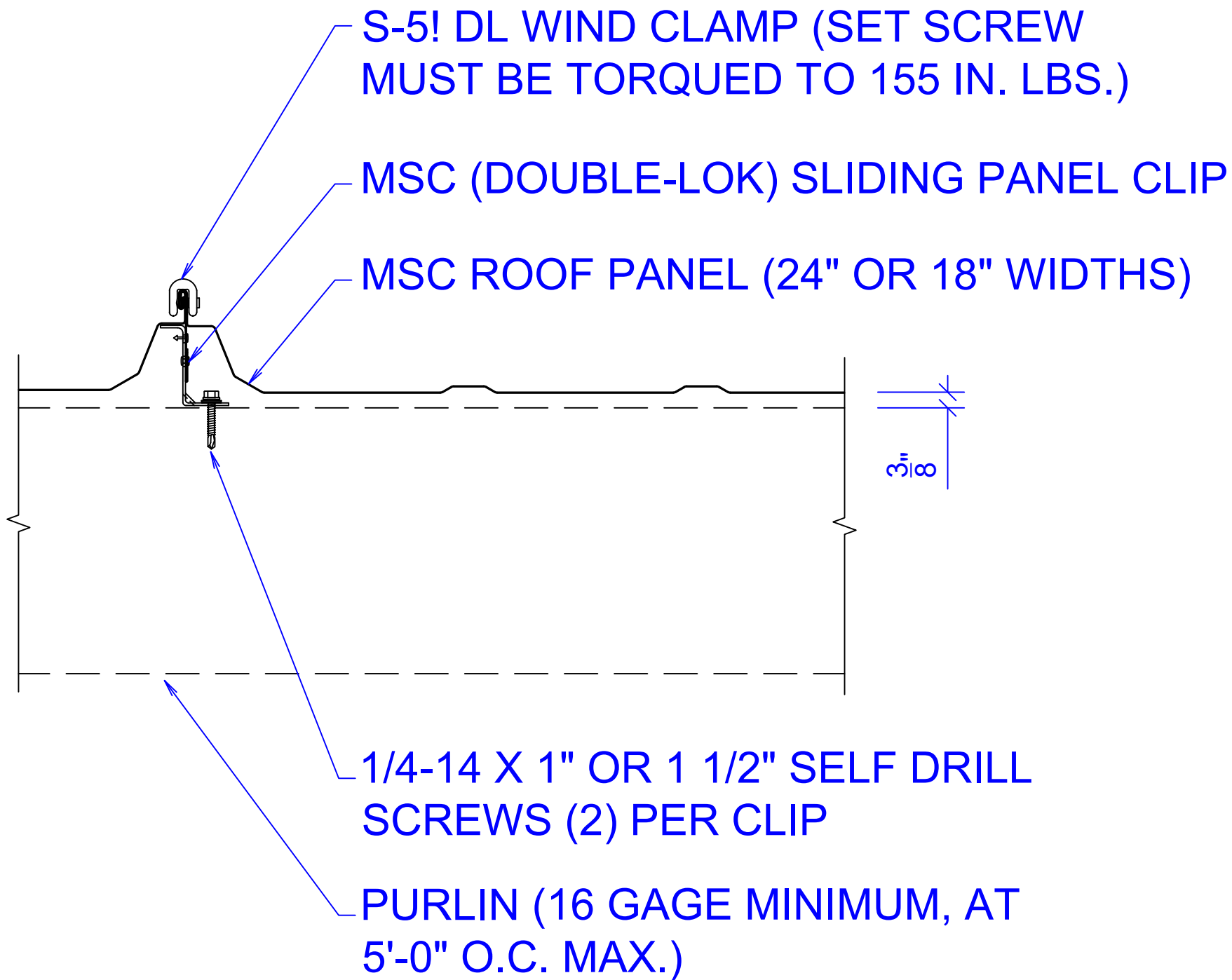
RELEASED	04/23/26
SUPERSEDES	07/21/25

REVISIONS		Notwithstanding the adjacent seal, neither the Engineer named nor Chief Buildings is acting as The Engineer of Record. The Engineer named and Chief Buildings responsibility is limited to the structural performance of the pre-engineered components designed by Chief Buildings. Chief Buildings 1821 S North Rd, Grand Island, NE 68803 (308) 389-7289 cs@chiefind.com
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Drawing	DETAILS			
Buyer	----			
End Owner	----			
Jobsite Address	----			
Project Name	----			
CHIEF BUILDINGS	DRAWN	CHECK	ORDER NO.	GD2
	----	xxx	----	
	----	xx/xx/xx	----	

INSTALLATION NOTE:

1. ATTACH S-5! DL WINDCLAMP AT EVERY SLIDING CLIP LOCATION.



MSC ROOF PANEL PURLIN CONNECTION W/ S-5! DL WINDCLAMP

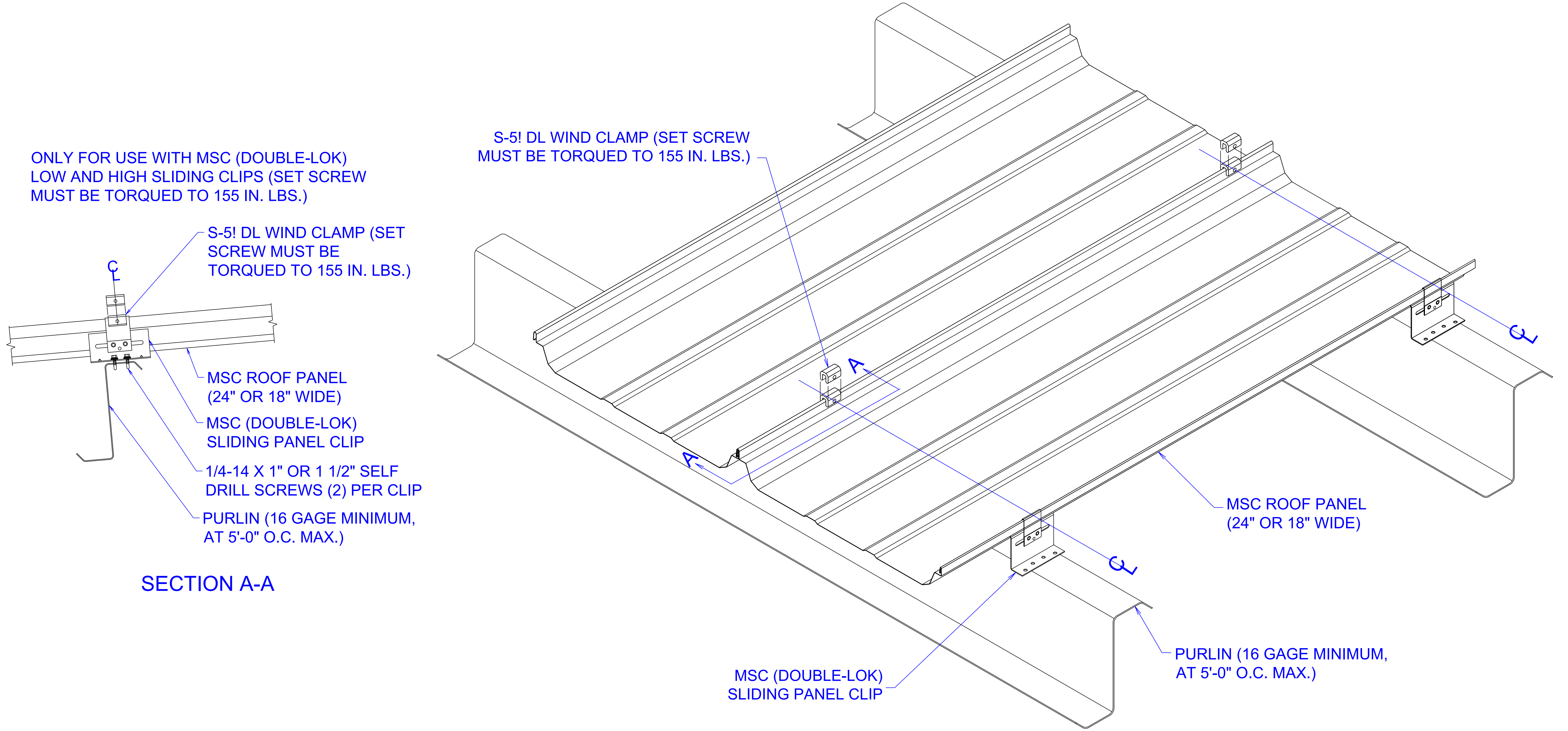
RELEASED	04/23/26
SUPERSEDES	07/21/25

REVISIONS	
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Drawing	DETAILS			
Buyer	----			
End Owner	----			
Jobsite Address	----			
Project Name	----			
CHIEF BUILDINGS 	DRAWN	CHECK	ORDER NO.	GD3
	----	xxx	----	
	----	xx/xx/xx	----	



RELEASED	04/23/26
SUPERSEDES	07/21/25

REVISIONS	
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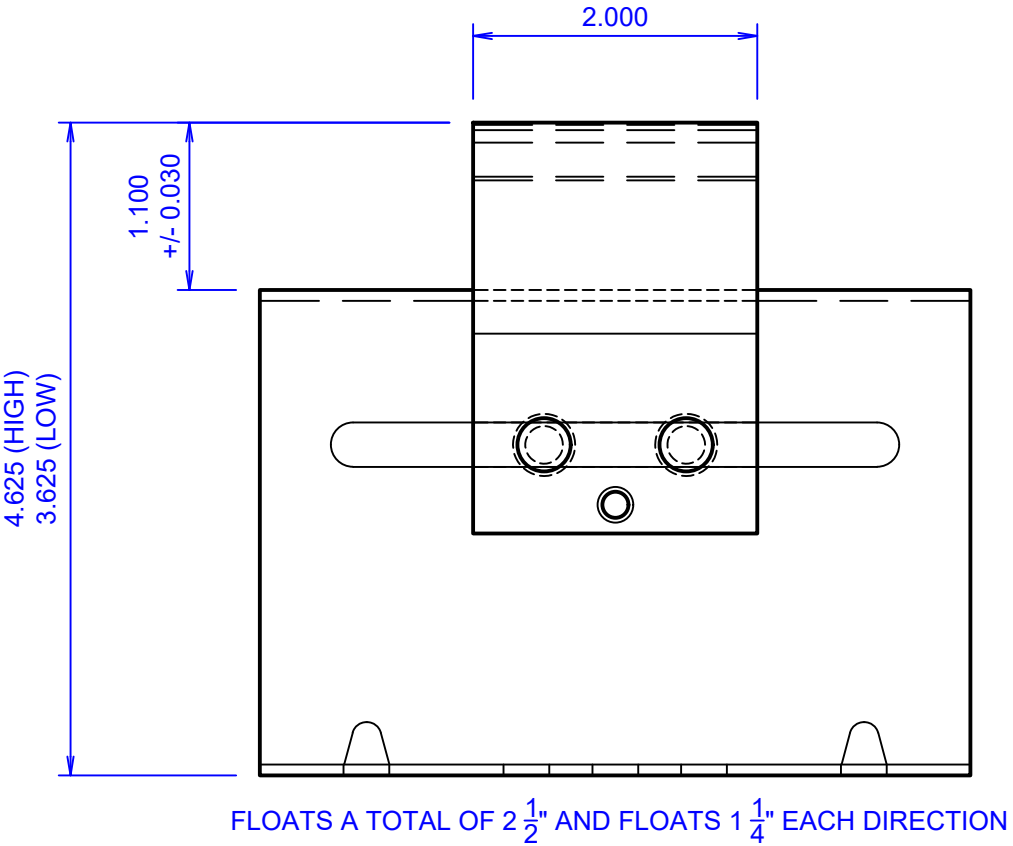
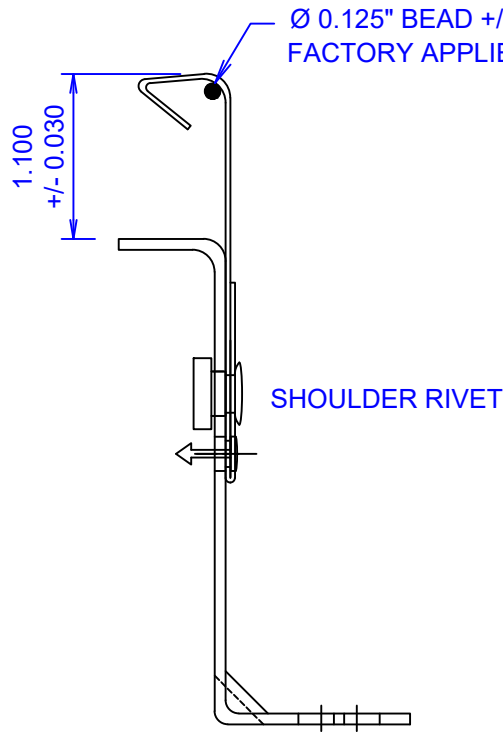
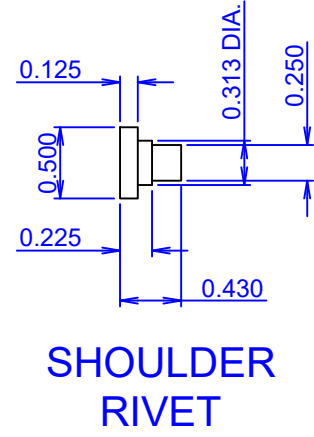
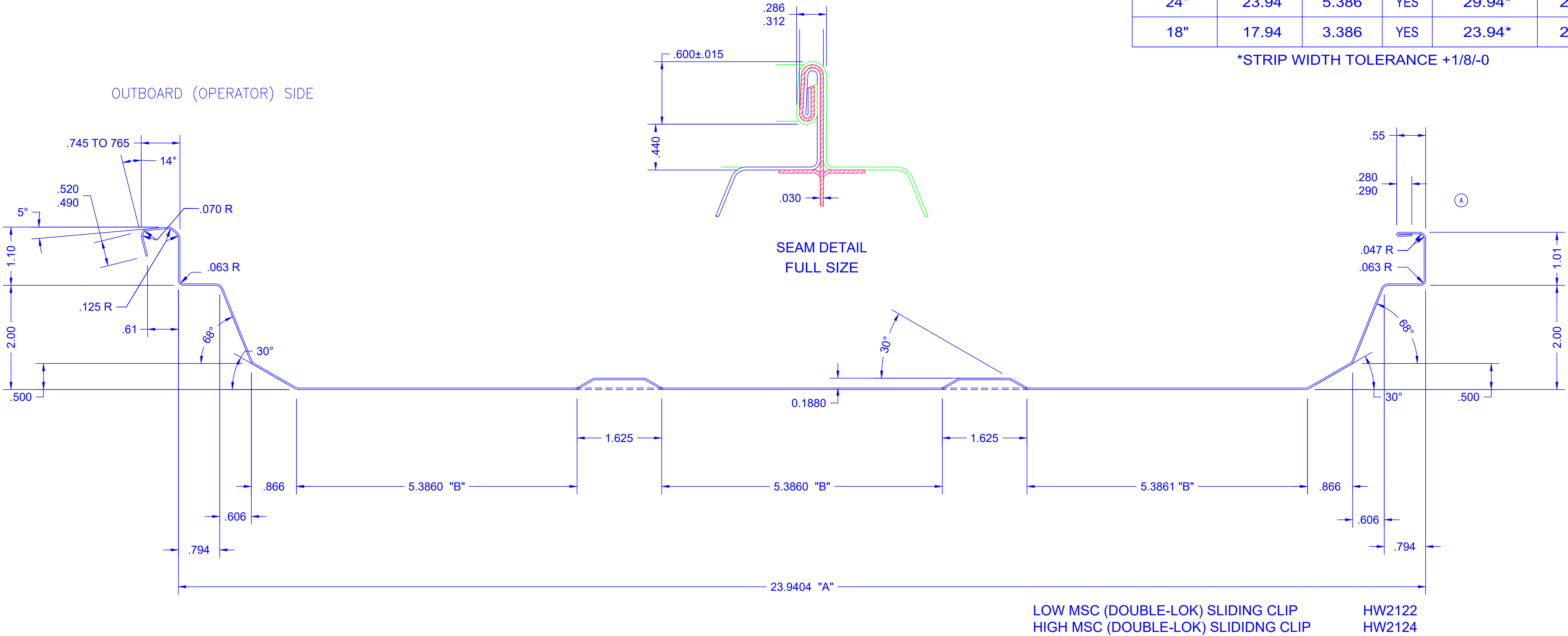
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Drawing	DETAILS			
Buyer	----			
End Owner	----			
Jobsite Address	----			
Project Name	----			
CHIEF BUILDINGS	DRAWN	CHECK	ORDER NO.	GD4
	----	xxx	----	
	----	xx/xx/xx	----	

COVERAGE	DIM "A"	DIM "B"	RIBS	STRIP WIDTH	ACTUAL
24"	23.94	5.386	YES	29.94*	29 15/16
18"	17.94	3.386	YES	23.94*	23 15/16

*STRIP WIDTH TOLERANCE +1/8/-0



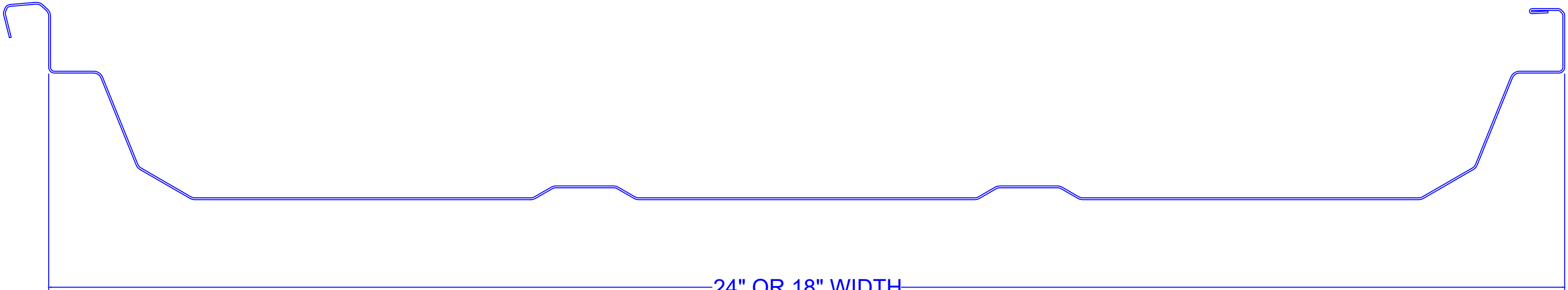
RELEASED	04/23/26
SUPERSEDES	07/21/25

REVISIONS	
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Drawing	DETAILS				
Buyer	----				
End Owner	----				
Jobsite Address	----- -----				
Project Name	-----				
	DRAWN	CHECK	ORDER NO.	GD5	
	-----	xxx	-----		
	-----	xx/xx/xx			



MSC ROOF PANEL PROFILE

PANEL PROPERTIES

PANEL GAUGE	PANEL THICKNESS	YIELD STRENGTH	TENSIL STRENGTH	ELONGATION	HARDNESS	STEEL COATING	PAINT COATINGS
24	.024 MIN.	50 KSI	55-70 KSI	20-36%	50-65 HRB	AZ 55	500 KYNAR

PANEL ACCESSORIES

CONSTRUCTION FASTENERS INC. (SFS INTEC) SPRING STREET AND VAN REED ROAD P.O. BOX 6326, WYOMISSING PA 19610		SIKA USA SIKA CORPORATION 201 POLITO AVENUE LYNDHURST, NJ 07071	
	1/4-14 X 7/8" WT LAP TEK W/ WASHER		TAPE MASTIC SIKALASTOMER 95 BUTYL MASTIC
	1/4-14 X 1 1/4" WT SDS W/ WASHER		TAPE MASTIC SIKALASTOMER 95 BUTYL MASTIC
	1/4-14 X 1" SDS W/ WASHER		201 URETHANE CAULK
	1/4-14 X 1 1/4" SHOULDER TEK SDS		511 BUTYL CAULK
	#12-14 X 1" PANCAKE HEAD SDS	METAL BUILDING COMPONENTS, INC 1780 MC CALL DRIVE SHELBYVILLE IN 46176	
			S-5! DL WIND CLAMP
			METAL INSIDE CLOSURE

- NOTES:
- THE 24 GAUGE MSC STANDING SEAM ROOF PANELS SHALL BE USED FOR ROOF CONSTRUCTION ONLY. THE ACTUAL ROOF PROJECT SHALL BE CONSTRUCTED USING THE SAME DETAILS AS SHOWN ON THESE DRAWINGS INCLUDING:
 - DETAILS OF ALL PANEL MATERIAL CHARACTERISTICS AND SECTIONS WITH DIMENSIONS AND THICKNESS.
 - ASSEMBLY DETAILS INCLUDING ALL CONNECTION'S FASTENERS DIAGRAM WITH SIZE AND LOCATION.
 - THE MAXIMUM PANEL SPAN AND THE MAXIMUM ALLOWABLE DESIGN UP-LIFT (NEGATIVE) PRESSURE OF THIS ROOF PANEL SHALL BE BASED ON THE FOLLOWING ALLOWABLES:

MSC 18" - 24 GA. PANELS

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORTS = 71.20 FT-LBS/FT
MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 56.96 FT-LBS/FT
MAXIMUM PANEL REACTION AT SUPPORTS = 156.64 LBS
MAXIMUM ALLOWABLE DEFLECTION OF PANEL = L/240
PANEL'S EI VALUE = 838,931.84 LB-IN ^2
THIS ROOF PANEL APPROVED FOR A MAXIMUM SPAN OF 5'-0"

- THE MAXIMUM PANEL SPAN AND THE MAXIMUM ALLOWABLE DESIGN UP-LIFT (NEGATIVE) PRESSURE OF THIS ROOF PANEL SHALL BE BASED ON THE FOLLOWING ALLOWABLES:

MSC 24" - 24 GA. PANELS

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORTS = 53.33 FT-LBS/FT
MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 42.66 FT-LBS/FT
MAXIMUM PANEL REACTION AT SUPPORTS = 117.32 LBS
MAXIMUM ALLOWABLE DEFLECTION OF PANEL = L/240
PANEL'S EI VALUE = 635,804.64 LB-IN ^2
THIS ROOF PANEL APPROVED FOR A MAXIMUM SPAN OF 5'-0"

- ALL PANEL SUBMEMBERS SHALL BE STEEL WITH 16 GA. MINIMUM THICKNESS.
- THIS STRUCTURAL ROOF PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE (FBC) FOR USE WITH 9TH EDITION (2026) FBC ASCE 7-22 AS APPLICABLE DESIGN PRESSURES AS DETERMINED FROM SECTION 1609 AND ASCE 7-22 MUST BE MULTIPLIED BY 0.60.

RELEASED	09/17/26
SUPERSEDES	04/23/26

REVISIONS	

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Drawing	DETAILS			
Buyer	-----			
End Owner	-----			
Jobsite Address	----- -----			
Project Name	-----			
	DRAWN	CHECK	ORDER NO.	GD6
	-----	xxx	-----	
	-----	xx/xx/xx		