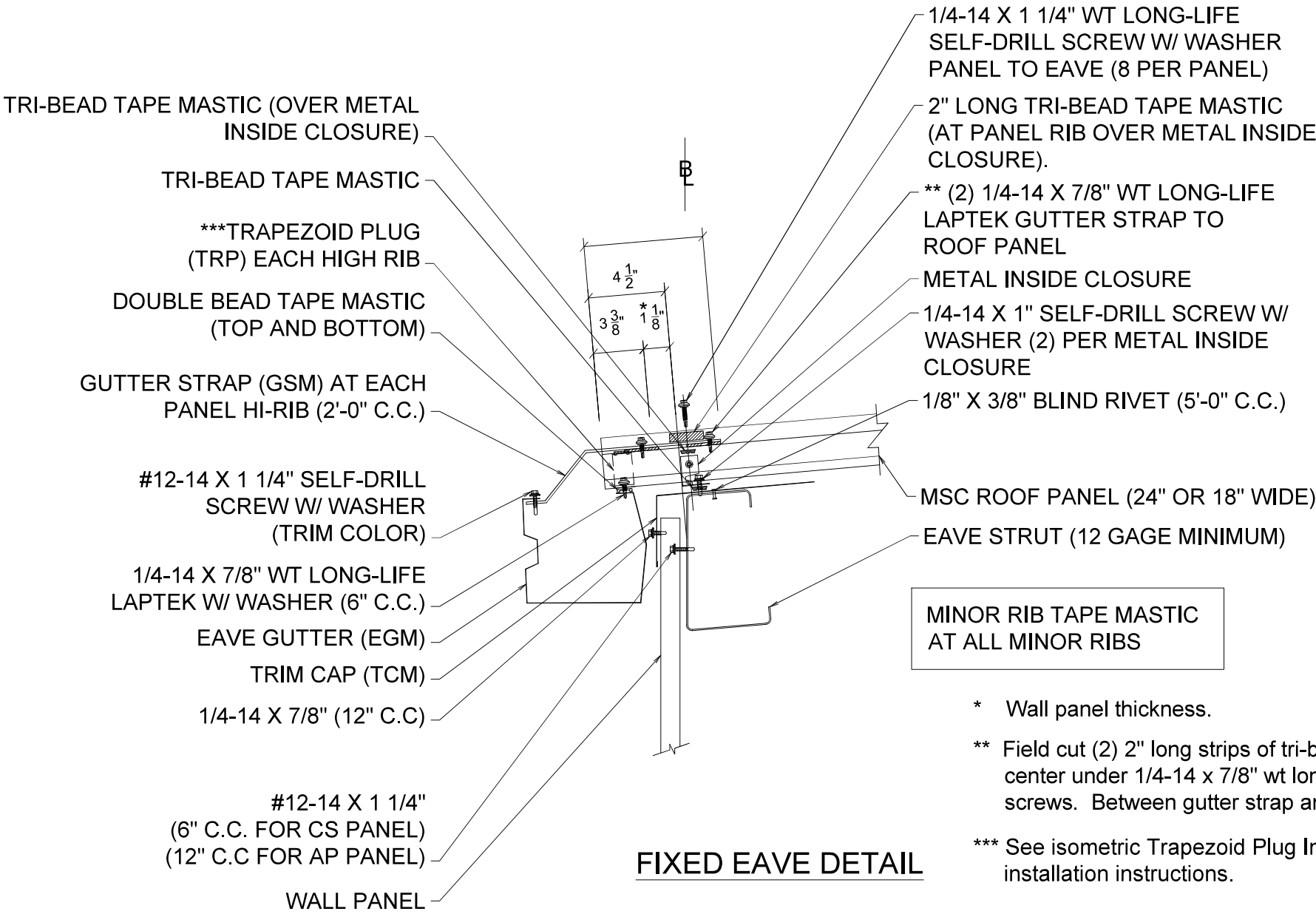




FIXED EAVE DETAIL

INSTALLATION NOTE:

1. Apply tri-bead tape mastic continuous over substrate.
2. Attach metal inside closure w/ 1/4-14 x 1" self-drill screw w/ washer.
3. Apply a 9" long piece of tri-bead tape mastic up and over the metal inside closure.
4. Apply a 2" long piece of tri-bead tape mastic in vertical leg of the panel seam.
5. If the panels have minor ribs, apply minor rib tape mastic between panel and eave gutter.
6. Attach panel w/ 1/4-14 x 1 1/4" WT long life self-drill screw w/ washer, (6) in the flat of the panel and one each side into the metal inside closure, (8 total).

- * Wall panel thickness.
- ** Field cut (2) 2" long strips of tri-bead tape mastic & center under 1/4-14 x 7/8" wt long-life self-drilling screws. Between gutter strap and roof panel.
- *** See isometric Trapezoid Plug Installation detail for installation instructions.

RELEASED	09-07-23
SUPERSEDES	09-23-19

REVISIONS	
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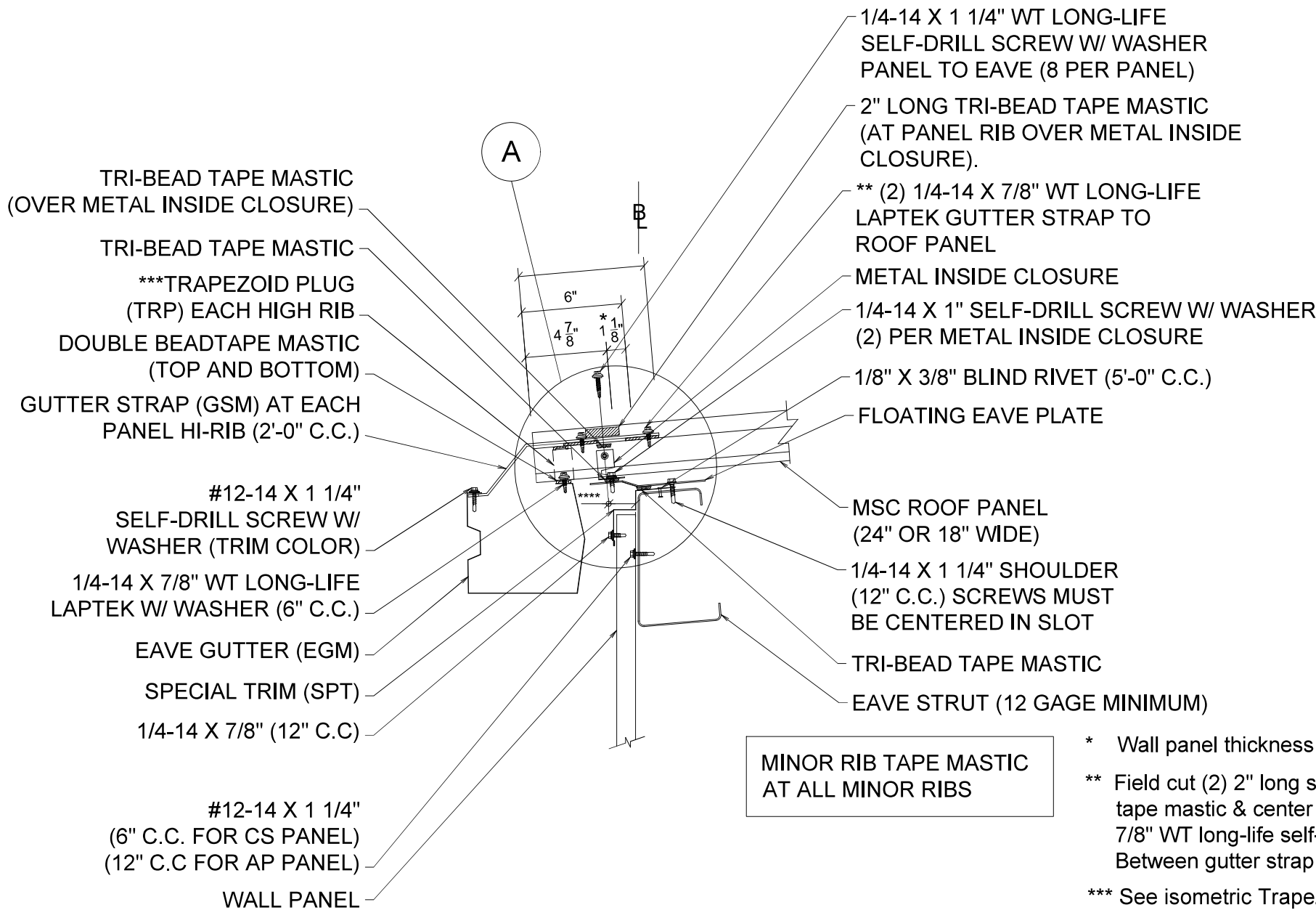
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Drawing	DRAWINGS				
Buyer	----				
Customer	----				
Project Name	----				
CHIEF BUILDINGS	DRAWN	CHECK	ORDER NO.	EGA	
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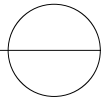
INSTALLATION NOTE:

- 1. Apply tri-bead tape mastic continuous over substrate.
- 2. Install floating eave plate with 1/4-14 x 1 1/4" shoulder screws (12" c.c.). Screws must be centered in slots.
- 3. Apply tri-bead tape mastic continuous over floating eave plate.
- 4. Attach metal inside closure w/ 1/4-14 x 1" self-drill screw w/ washer.
- 5. Apply a 9" long piece of tri-bead tape mastic up and over the metal inside closure.
- 6. Apply a 2" long piece of tri-bead tape mastic in vertical leg of the panel seam.
- 7. If the panels have minor ribs, apply minor rib tape mastic between panel and eave gutter.
- 8. Attach panel w/ 1/4-14 x 1 1/4" WT long life self-drill screw w/ washer, (6) in the flat of the panel and one each side into the metal inside closure, (8 total).

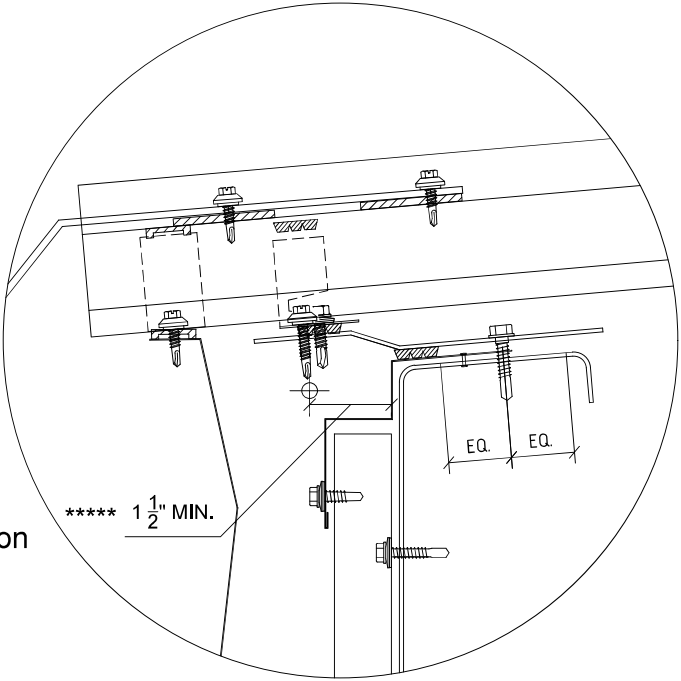


LOW FLOATING EAVE DETAIL

SECTION



- * Wall panel thickness
- ** Field cut (2) 2" long strips of tri-bead tape mastic & center under 1/4-14 x 7/8" WT long-life self-drilling screws. Between gutter strap and roof panel.
- *** See isometric Trapezoid Plug Installation detail for installation instructions.
- **** Maintain 1 1/2" minimum from face of cap trim to panel screw

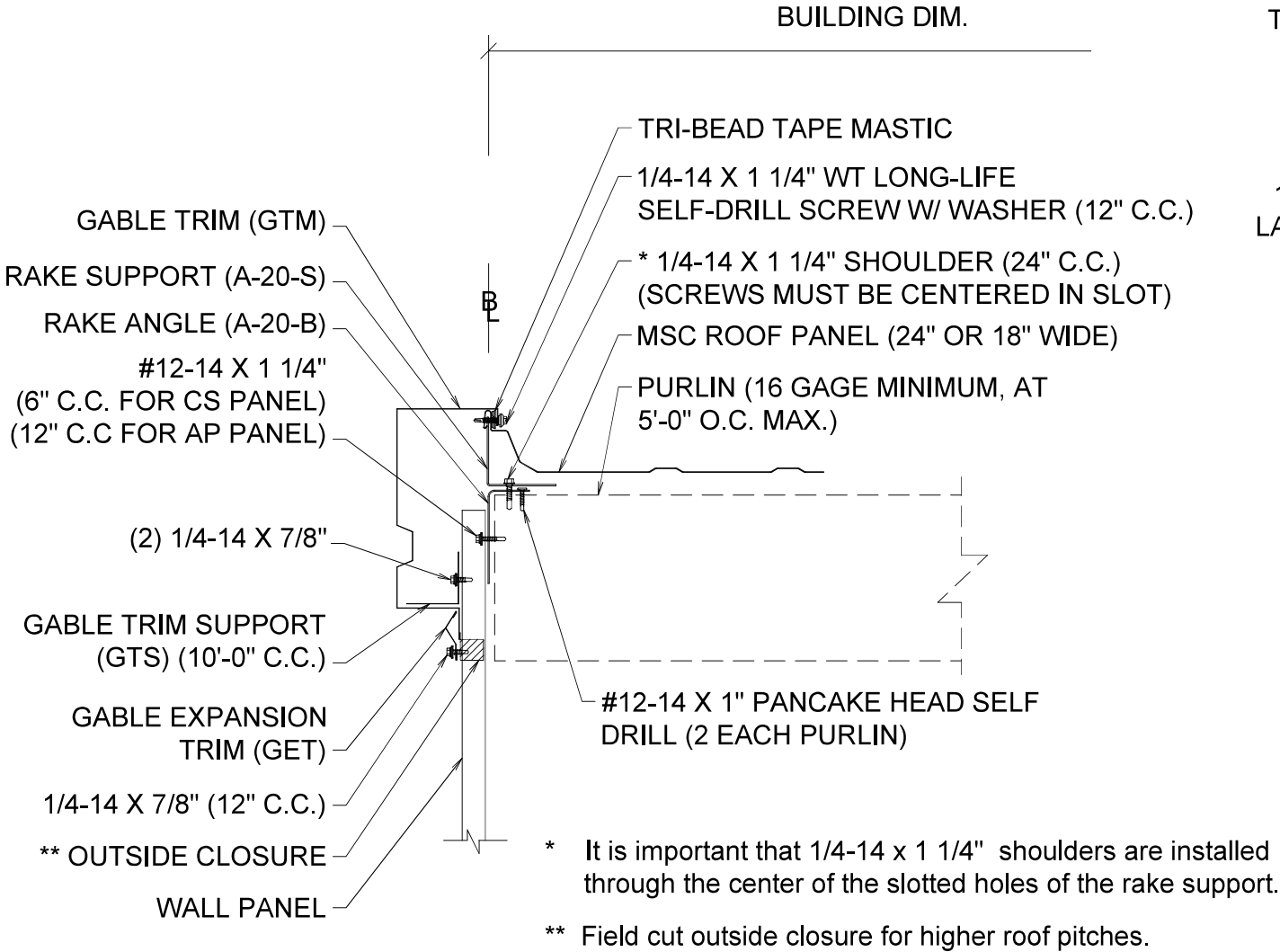


DETAIL A

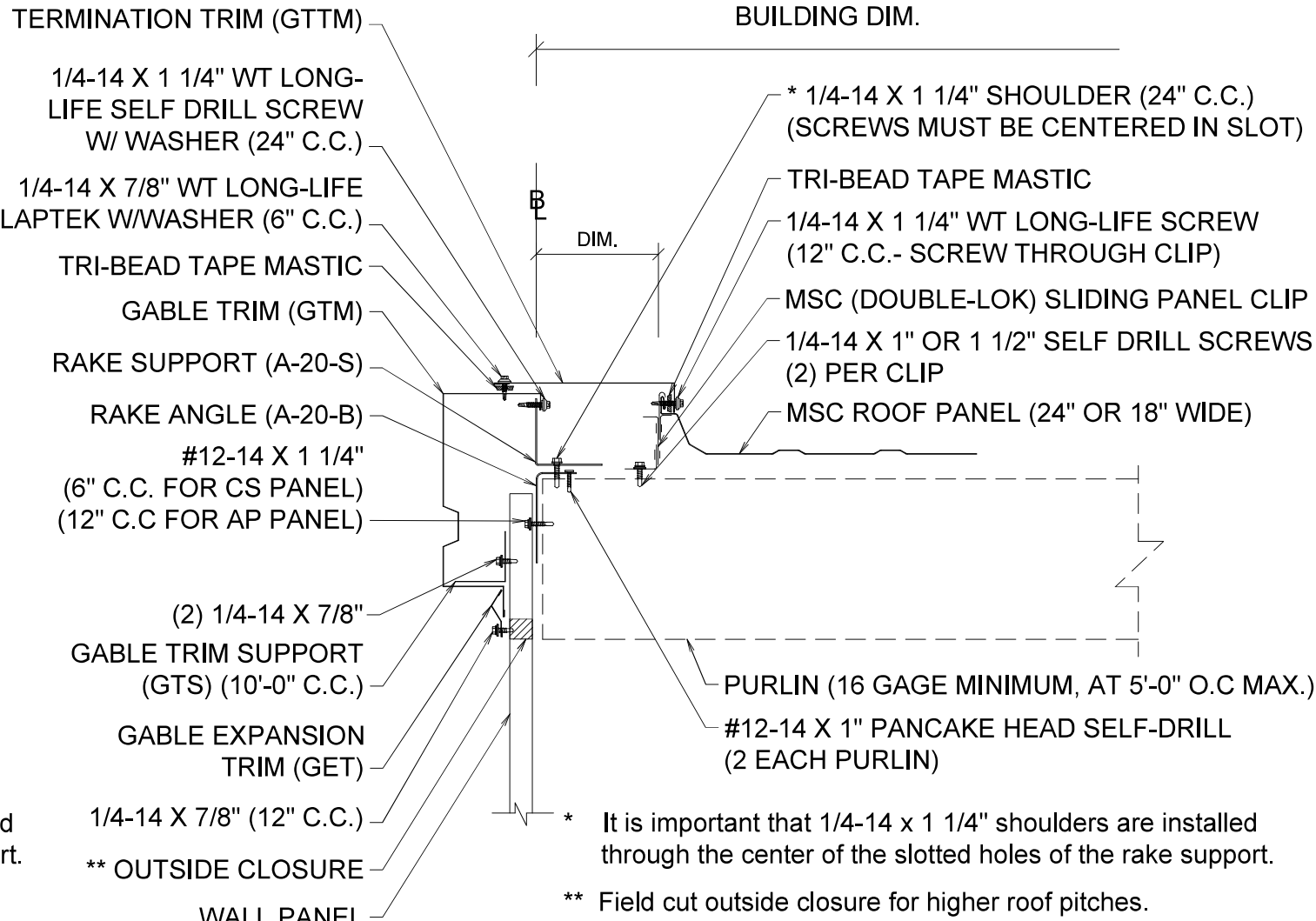
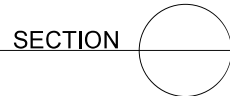
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SUPERSEDES	

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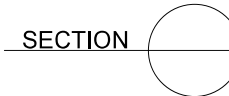
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CHIEF BUILDINGS	DRAWN	CHECK	ORDER NO.	EGA
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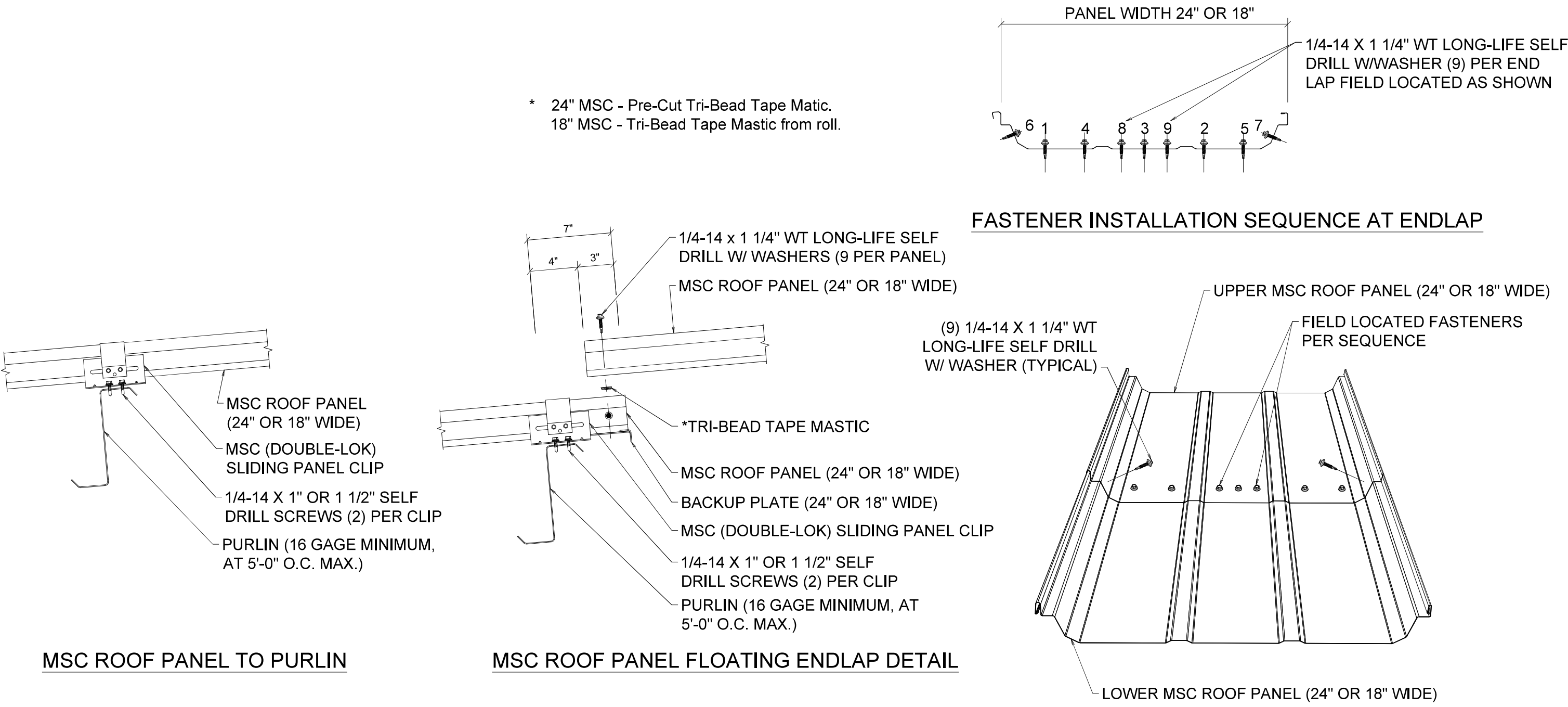
MSC ROOF WITH CS OR AP WALLS AND GABLE TRIM (LEAD END)



MSC ROOF WITH CS OR AP WALLS AND GABLE TRIM (TAIL END)



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4			Buyer	----			
3			Customer	----			
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SUPERSEDES				---	xxx	----	---
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MSC ROOF PANEL TO PURLIN

MSC ROOF PANEL FLOATING ENDLAP DETAIL

MSC ROOF PANEL INTERMEDIATE PURLIN CONNECTION

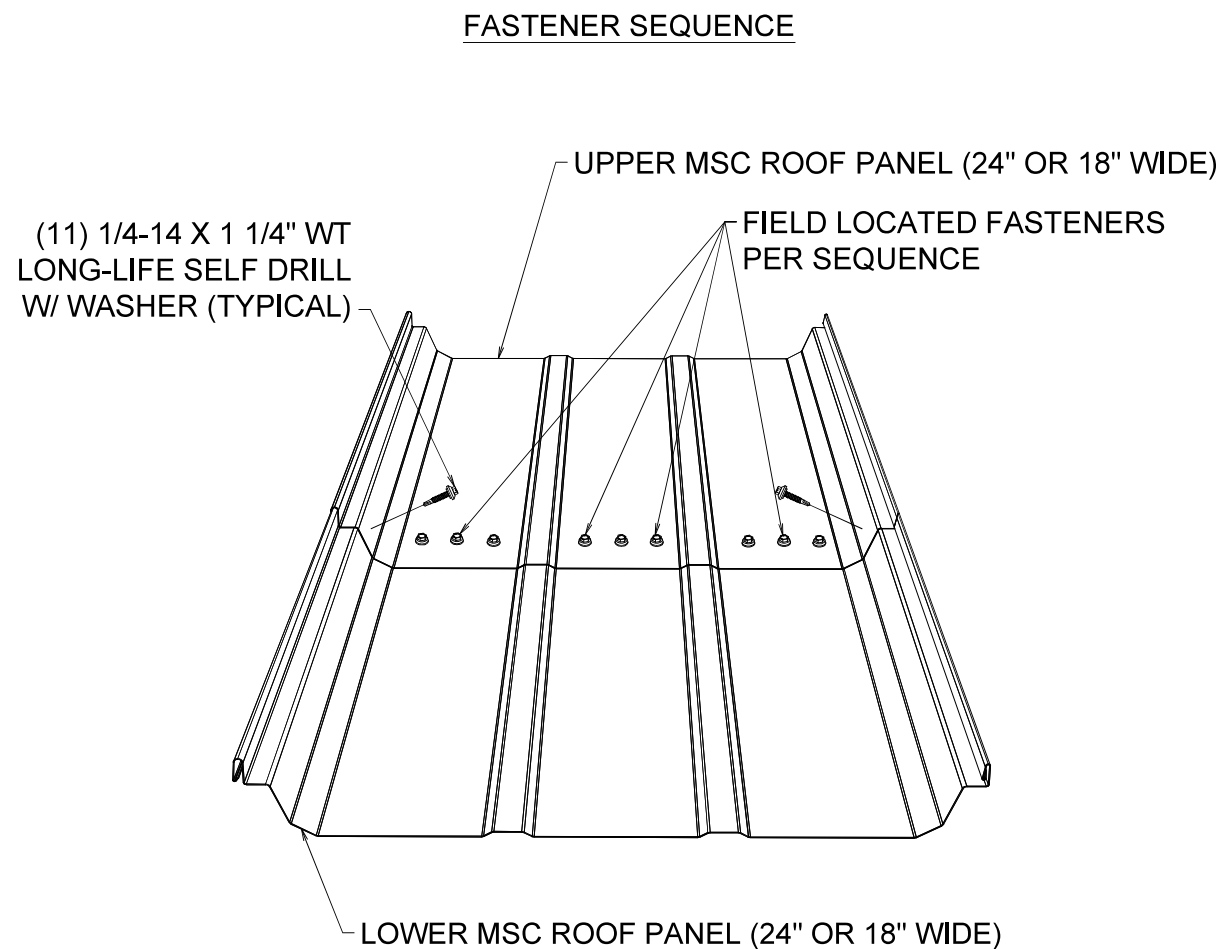
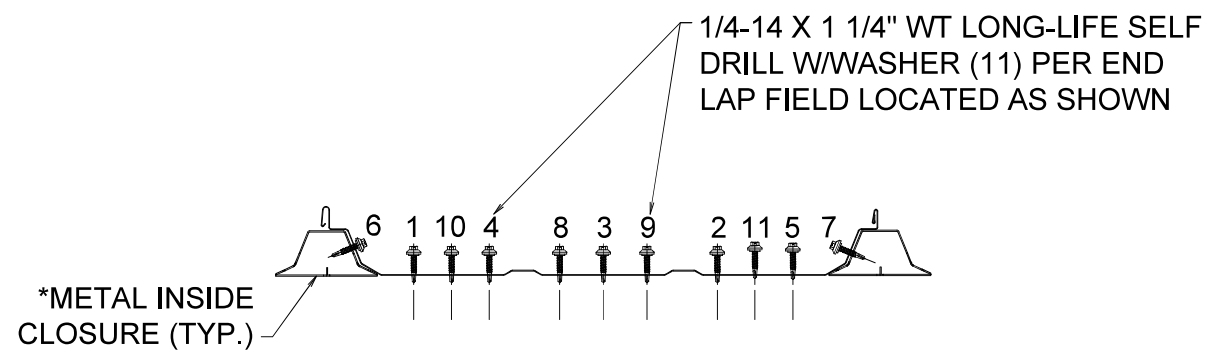
RELEASED	9-23-19
SUPERSEDES	

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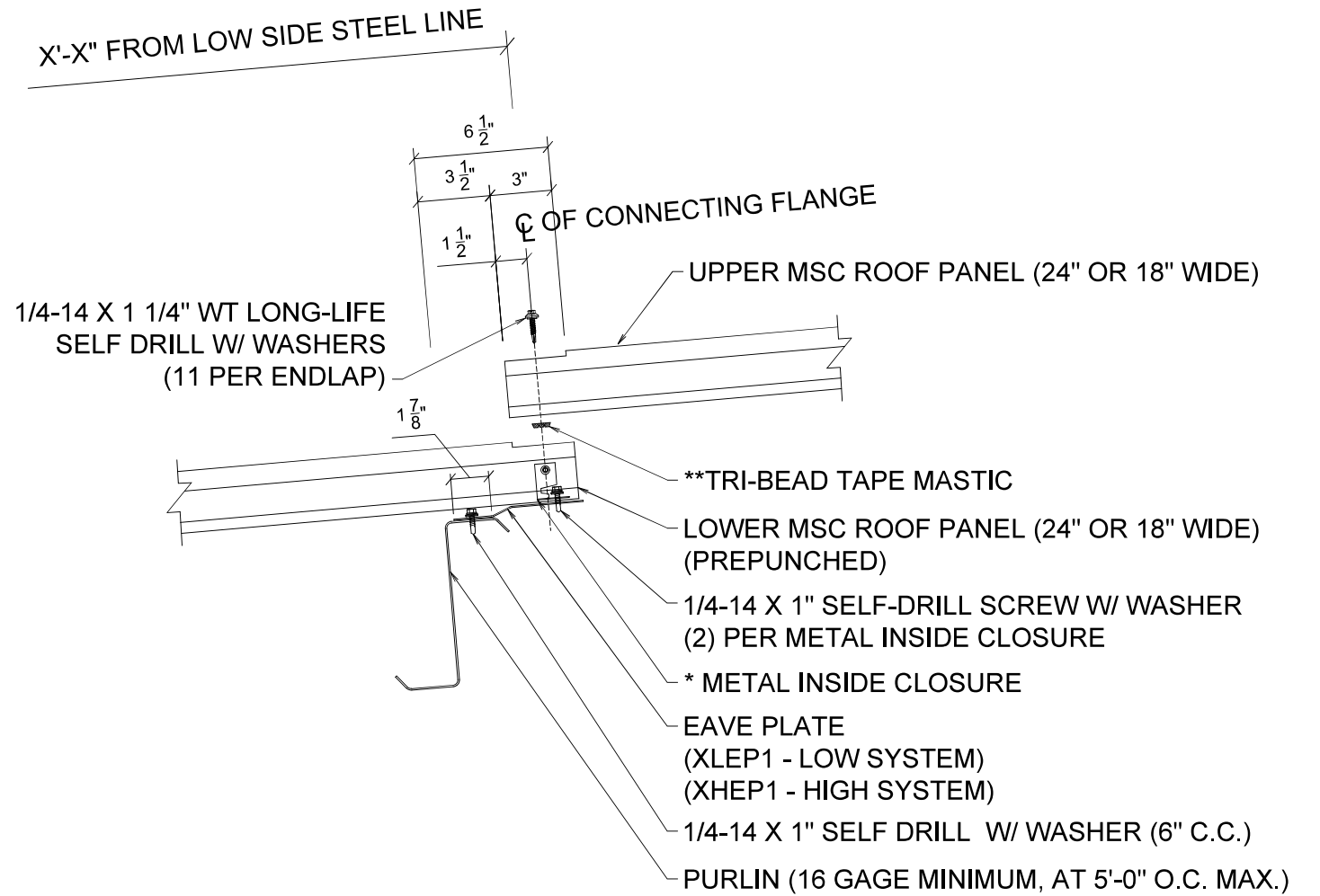
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Drawing	DETAILS			
Buyer	----			
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CHIEF BUILDINGS	DRAWN	CHECK	ORDER NO.	1
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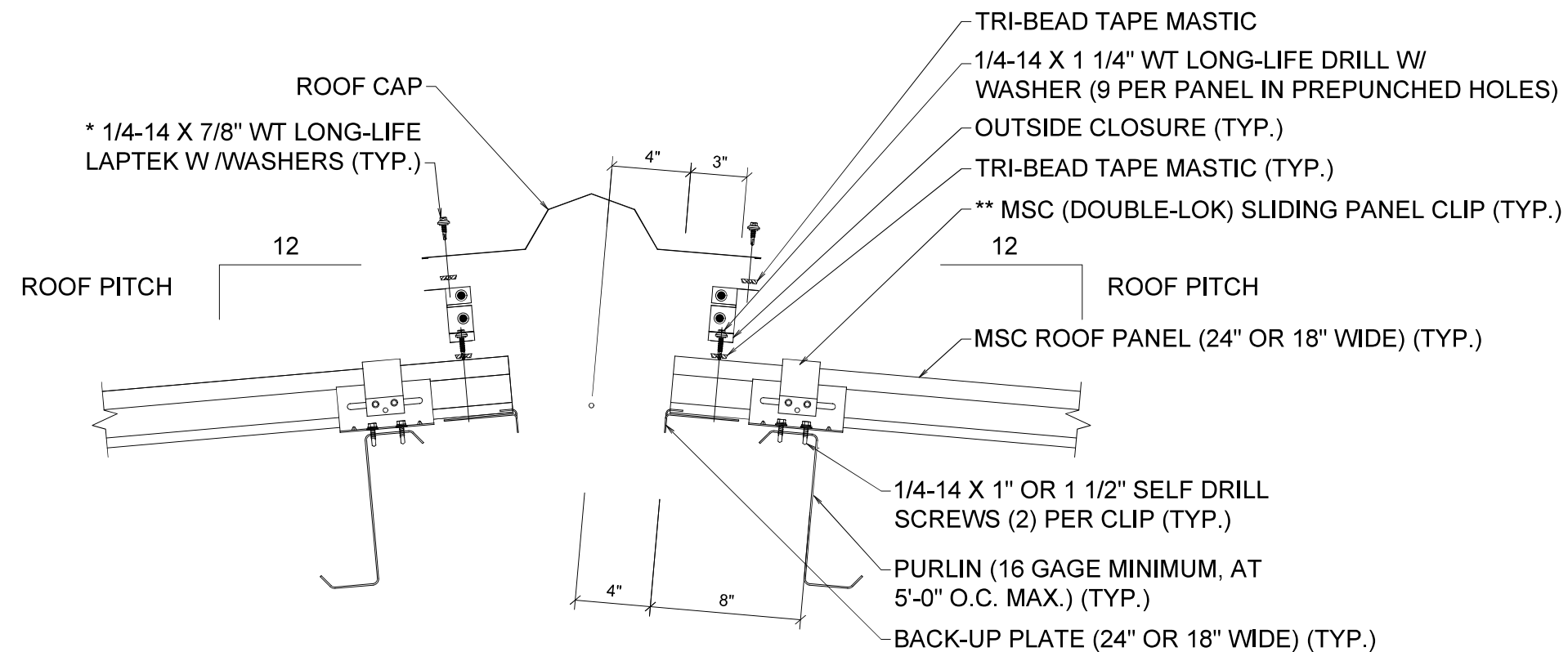


- * Locate metal inside closures 24" on center for 24" panels and 18" on center for 18" panels from the centerline of the first closure to maintain panel module and provide a panel attachment point. Metal inside closures are centered on the eave plate flange.
- ** 24" MSC - Pre-Cut Tri-Bead Tape Matic.
18" MSC - Tri-Bead Tape Mastic from roll.



MSC ROOF PANEL FIXED ENDLAP DETAIL

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		4			Buyer	----			
		3			Customer	----			
		2			Project Name	----			
		1			CHIEF BUILDINGS 	DRAWN	CHECK	ORDER NO.	mid-slope
RELEASED	9-23-19			----		xxx	----	----	
SUPERSEDES				----		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

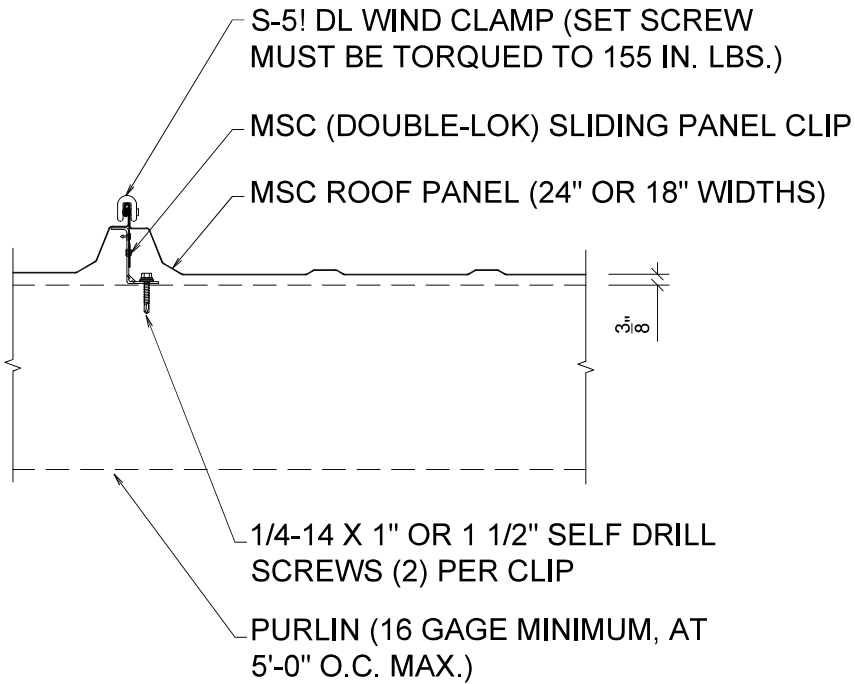
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SUPERSEDES	

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Drawing	DETAILS			
Buyer	----			
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Project Name	----			
CHIEF BUILDINGS	DRAWN	CHECK	ORDER NO.	2
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INSTALLATION NOTE:

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

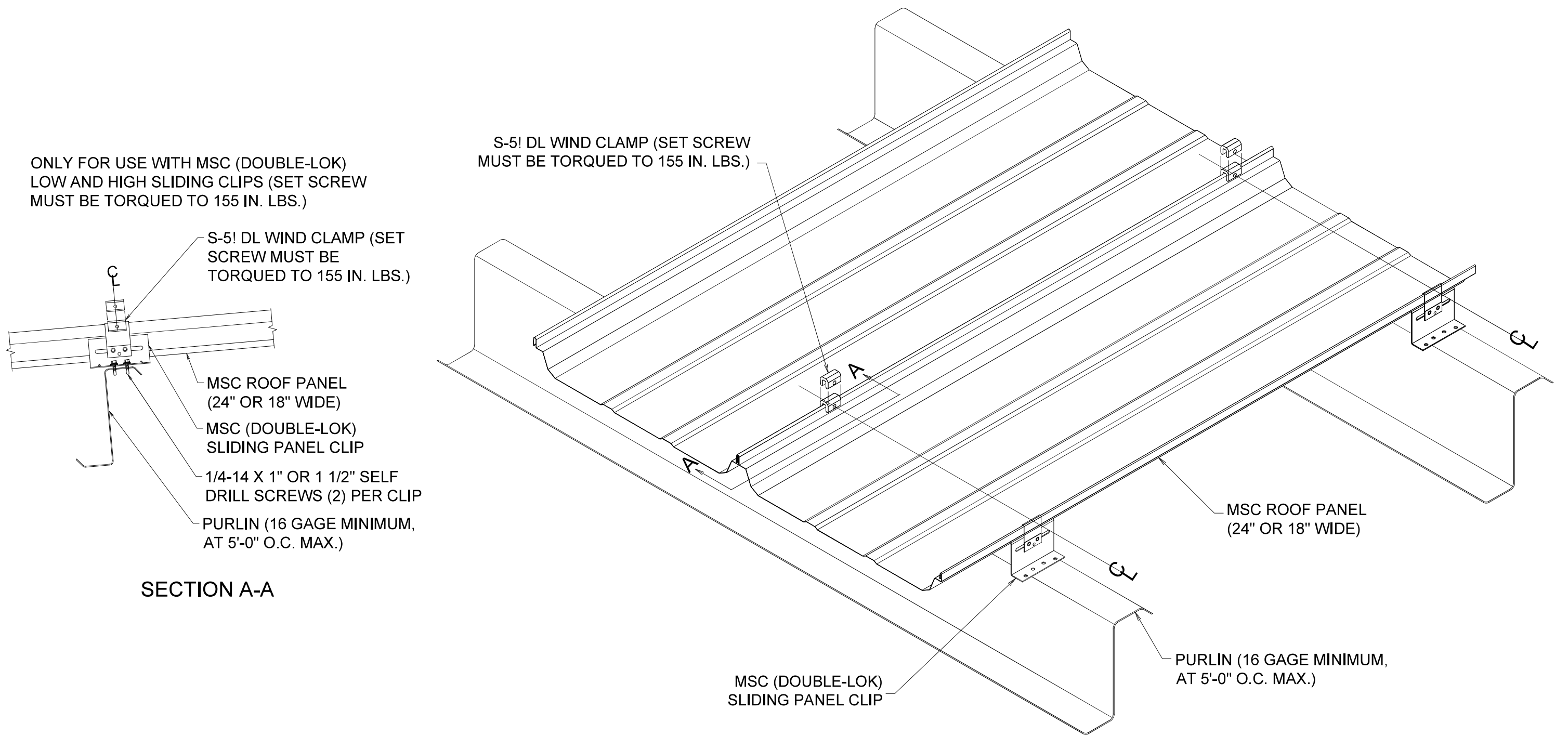


MSC ROOF PANEL PURLIN CONNECTION W/ S-5! DL WINDCLAMP

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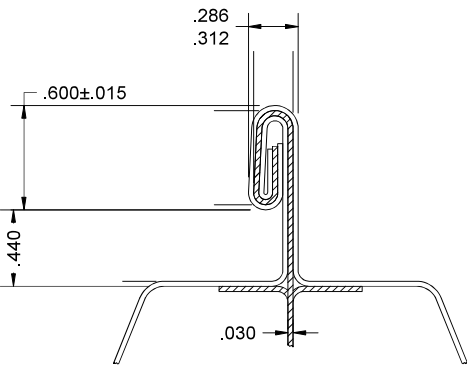
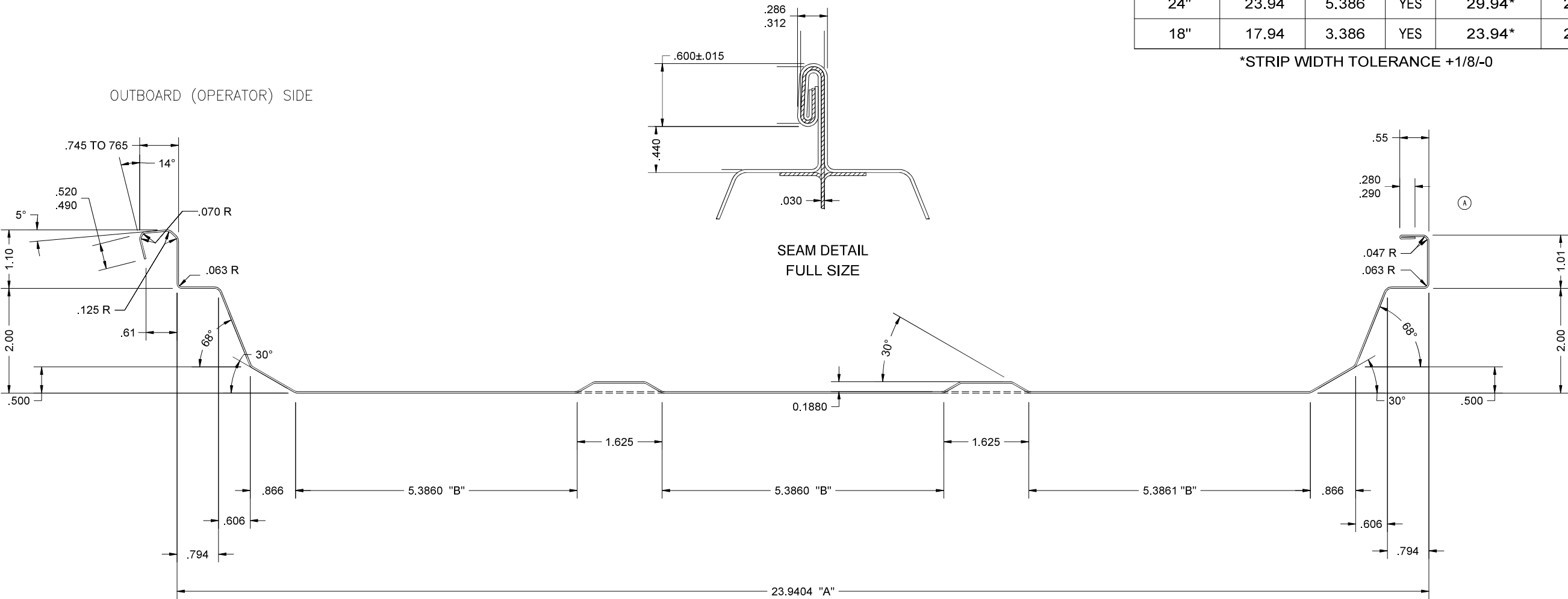
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		 _____				Project Name		----			
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SUPERSEDES								---	xxx	----	-----
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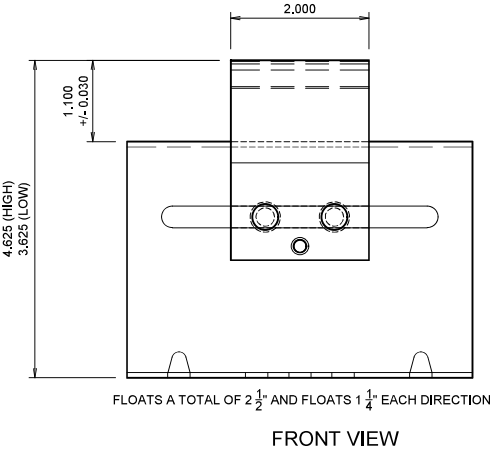
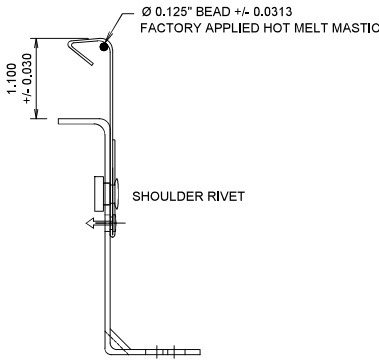
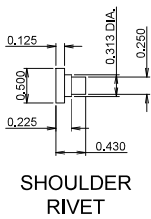
COVERAGE	DIM "A"	DIM "B"	RIBS	STRIP WIDTH	ACTUAL
24"	23.94	5.386	YES	29.94*	29 15/16
18"	17.94	3.386	YES	23.94*	23 15/16

*STRIP WIDTH TOLERANCE +1/8/-0



LOW MSC (DOUBLE-LOK) SLIDING CLIP
HIGH MSC (DOUBLE-LOK) SLIDING CLIP

HW2122
HW2124



RELEASED
SUPERSEDES

9-23-19

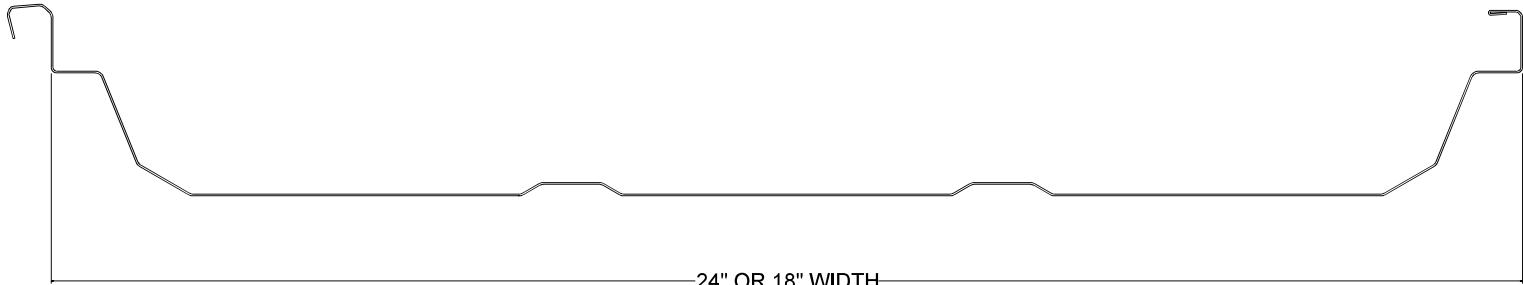
REVISIONS

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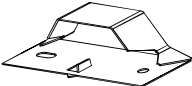
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Drawing	DETAILS			
Buyer	----			
Customer	----			
Project Name	----			
CHIEF BUILDINGS	DRAWN	CHECK	ORDER NO.	5
	---	xxx	----	
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MSC ROOF PANEL PROFILE

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  1/4-14 X 7/8" WT LAP TEK W/ WASHER  1/4-14 X 1 1/4" WT SDS W/ WASHER  1/4-14 X 1" SDS W/ WASHER  1/4-14 X 1 1/4" SHOULDER TEK SDS  #12-14 X 1" PANCAKE HEAD SDS				SIKA USA SIKA CORPORATION 201 POLITO AVENUE LYNDHURST, NJ 07071  TRI-BEAD TAPE MASTIC SIKALASTOMER 95 BUTYL MASTIC  TRIPLE-BEAD TAPE MASTIC SIKALASTOMER 95 BUTYL MASTIC  201 URETHANE CAULK  511 BUTYL CAULK METAL BUILDING COMPONENTS, INC 1780 MC CALL DRIVE SHELBYVILLE IN 46176  S-5! DL WIND CLAMP  METAL INSIDE CLOSURE			

- NOTES:
1. 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:
- A. DETAILS OF ALL PANEL MATERIAL CHARACTERISTICS AND SECTIONS WITH DIMENSIONS AND THICKNESS.
 - B. ASSEMBLY DETAILS INCLUDING ALL CONNECTION'S FASTENERS DIAGRAM WITH SIZE AND LOCATION.
- 2A. 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"
- 2B. 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"
3. ALL PANEL SUBMEMBERS SHALL BE STEEL WITH 16 GA. MINIMUM THICKNESS.
4. THIS STRUCTURAL ROOF PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE (FBC) FOR USE WITH 8TH EDITION (2023) FBC ASCE 7-22 AS APPLICABLE DESIGN PRESSURES AS DETERMINED FROM SECTION 1609 AND ASCE 7-22 MUST BE MULTIPLIED BY 0.60.

RELEASED	9-23-19
SUPERSEDES	

REVISIONS	
	
	
	
	

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Drawing	DETAILS				
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Customer	----				
Project Name	----				
	DRAWN	CHECK	ORDER NO.	6	
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