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STABILIT AMERICA, INC. DBA RESOLITE

RESOLITE FS25A/CRFS25A '40' SERIES

ROOF PANEL

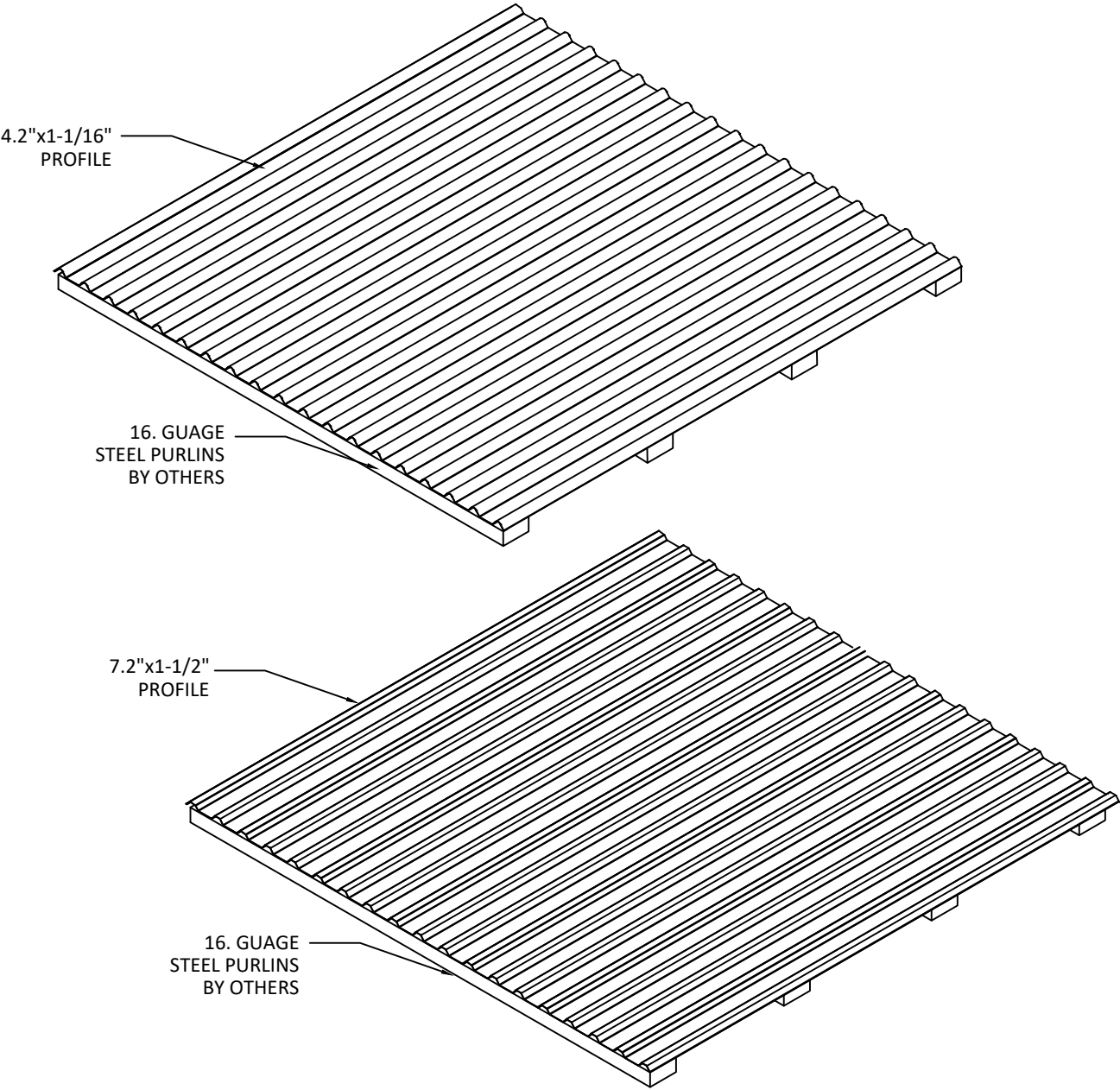
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5	INSTALLATION DETAILS

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- FOR INSTALLATION INTO STEEL FRAMING USE #14 x 1" HWH TEK SCREWS W/ 3/4" O.D. WASHERS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM ENGAGEMENT BEYOND STEEL SUBSTRATE.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - STEEL - MINIMUM TENSILE YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 59.8 MILS (0.0598" or 16 GAUGE).

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ASTM D1929-16
 - ASTM D2843-16
 - ASTM D635-14
 - ASTM E1592-05(17)
 - ASTM G154-16(a)
 - FM 4470-16
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 2X PURLINS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- PANEL MATERIAL: FIBERGLASS REINFORCED POLYESTER PLASTIC PANEL



ELEVATION
ISOMETRIC VIEW



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STABILIT AMERICA, INC. DBA RESOLITE
285 INDUSTRIAL DR
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PH: (901) 877-3010

TITLE:
STABILIT AMERICA, INC. DBA RESOLITE
RESOLITE FS25A/CRFS25A '40'
SERIES ROOF PANEL

INSTALLATION & GENERAL NOTES

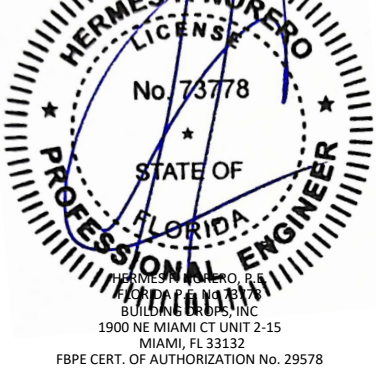
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

**BUILDING DROPS**

REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E
Reason: I am approving this document
Date: 2024.02.28 16:44:38 -0800



HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL37055

DATE: **01.11.23**

DWG. BY:
FB

CHK. BY:
HN

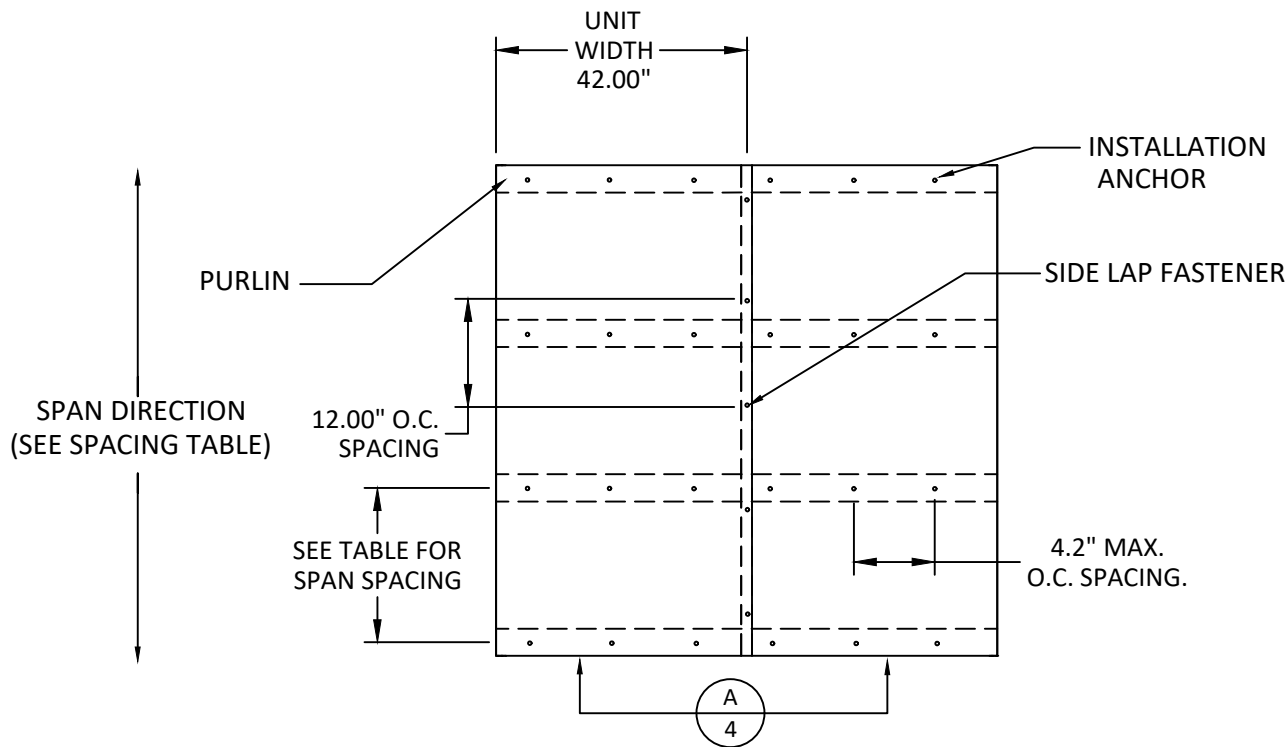
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ELEVATION & ANCHOR LAYOUT

- 1) PANEL DESCRIPTION: FS25A/CRFS25A '40' SERIES 4.2"x1-1/16" PROFILE
- 2) PANEL FASTENER: #14 x 1" HWH TYPE B W/ 3/4" O.D. WASHER
- 3) SLOPE: 1/2 : 12 OR GREATER; FOLLOW MANUFACTURERS INSTRUCTIONS FOR SEALING PANEL LAPS FOR ROOF SLOPES LESS THAN 3 : 12.
- 4) A MAXIMUM 3" OVERHANG IS REQUIRED TO PROVIDE A DRIP EDGE. IF GUTTER IS USED ONLY 1" REQUIRED USING INNER CLOSURE TO SEAL OPEN PANEL RIB.
- 5) PURLINS: BY OTHERS; MIN. 16 GA.

FS25A/CRFS25A '40' SERIES RESOLITE 4.20" x 1-1/16" PROFILE

ALLOWABLE SPANS FOR 4.2" X 1-1/16" PROFILE				
FASTNERS	PRESSURE (PSF)	SINGLE SPAN (IN.)	TWIN SPAN (IN.)	TRIPPLE SPAN (IN.)
#14 x 1" HWH TYPE B SS WITH 3/4 WASHERS AT EVERY LOW FLUTE	20	51	79	73
	25	41	74	68
	30	34	69	64
	35	29	66	55
	40	25	61	48
	45	23	55	43
	50	20	49	38
	55	19	45	35
	60	17	41	32
	65	16	38	30
	70	15	35	27
	75	14	33	26
	80	13	31	24
	85	12	29	23
	90	11	27	21
	95	11	26	20
	100	10	25	19



Stabilit

AMERICA

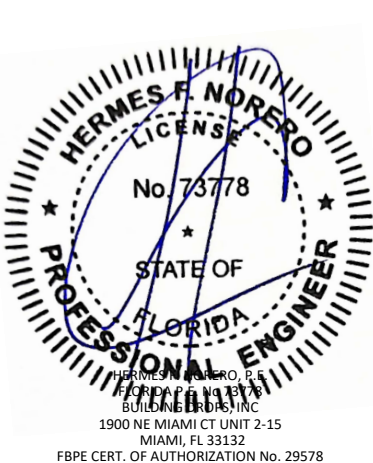
STABILIT AMERICA, INC. DBA RESOLITE
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RESOLITE FS25A/CRFS25A '40'
SERIES ROOF PANEL
4.2" x 1-1/16" ELEVATION & ANCHOR LAYOUT

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HERMES F. NORERO
LICENSE
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STATE OF
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PROFESSIONAL ENGINEER

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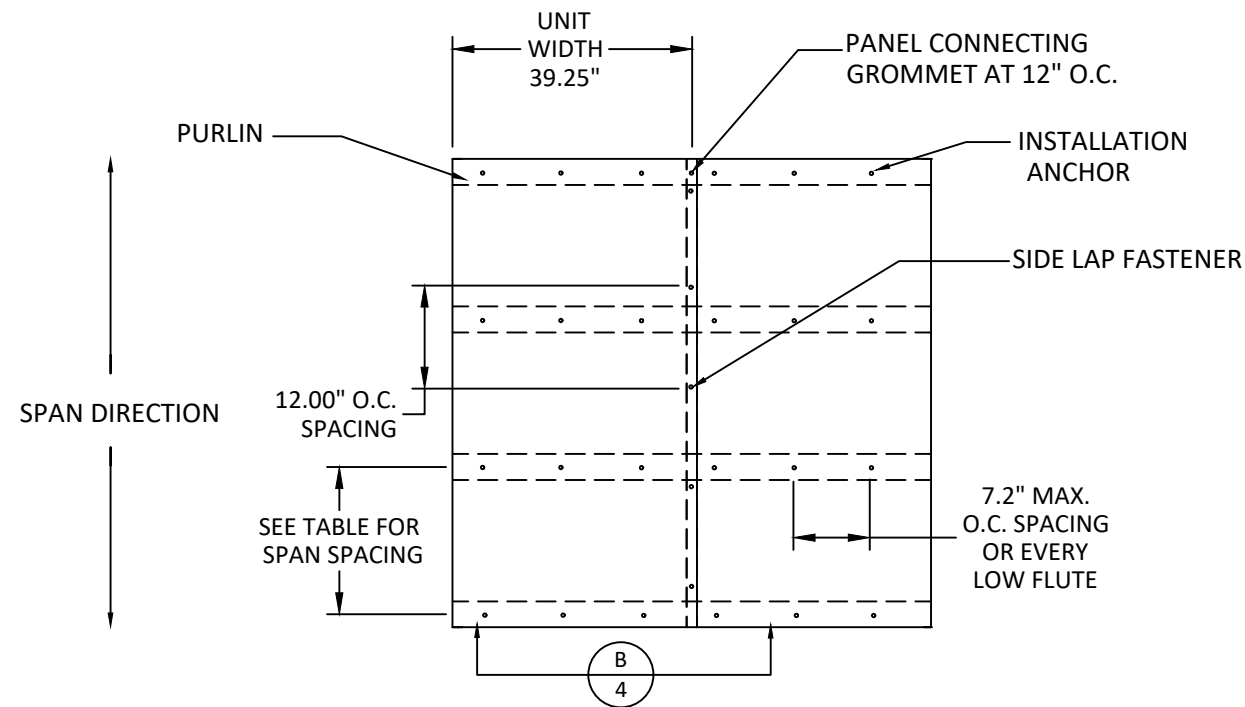
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ELEVATION & ANCHOR LAYOUT

- 1) PANEL DESCRIPTION: FS25A/CRFS25A '40' SERIES 7.2"x1-1/12" PROFILE
- 2) PANEL FASTENER: #14 x 1" HWH TYPE B W/ 3/4" O.D. WASHER
- 3) SLOPE: 1/2 : 12 OR GREATER; FOLLOW MANUFACTURERS INSTRUCTIONS FOR SEALING PANEL LAPS FOR ROOF SLOPES LESS THAN 3 : 12.
- 4) A MAXIMUM 3" OVERHANG IS REQUIRED TO PROVIDE A DRIP EDGE. IF GUTTER IS USED ONLY 1" REQUIRED USING INNER CLOSURE TO SEAL OPEN PANEL RIB.
- 5) PURLINS: BY OTHERS; MIN. 16 GA.

FS25A/CRFS25A '40' SERIES RESOLITE 7.20" x 1-1/12" PROFILE

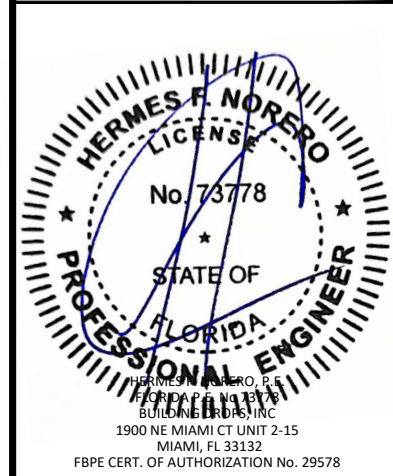
ALLOWABLE SPANS FOR 7.2" X 1-1/2" PROFILE				
FASTNERS	PRESSURE (PSF)	SINGLE SPAN (IN.)	TWIN SPAN (IN.)	TRIPPLE SPAN (IN.)
#14 x 1" HWH TYPE B SS WITH 3/4" WASHERS AT EVERY LOW FLUTE	20	64	85	79
	25	57	79	73
	30	48	75	69
	35	41	71	65
	40	36	68	62
	45	32	65	60
	50	29	63	54
	55	26	61	49
	60	24	58	45
	65	22	53	42
	70	20	49	39
	75	19	46	36
	80	18	43	34
	85	17	41	32
	90	16	38	30
	95	15	36	28
	100	14	35	27

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7.2" x 1-1/12" ELEVATION & ANCHOR
LAYOUT

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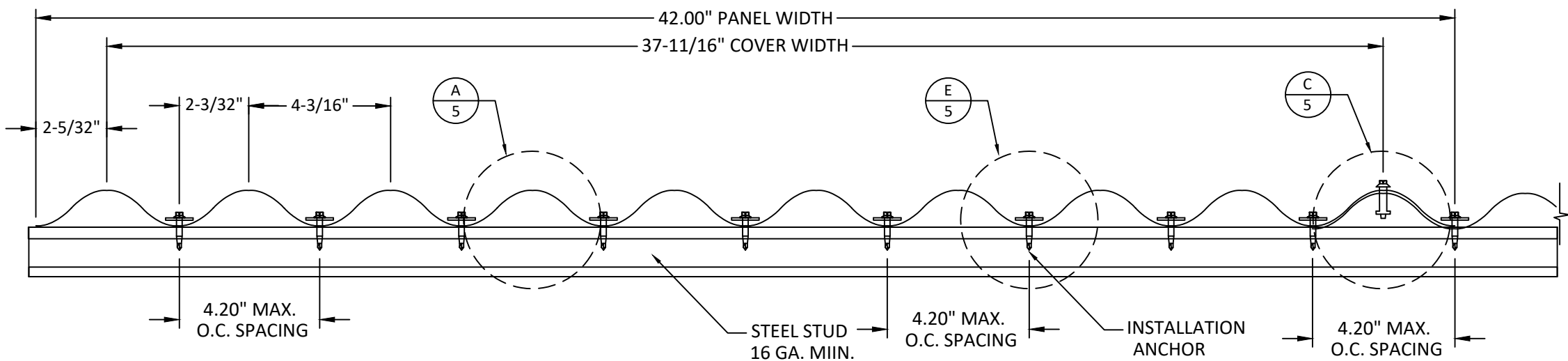
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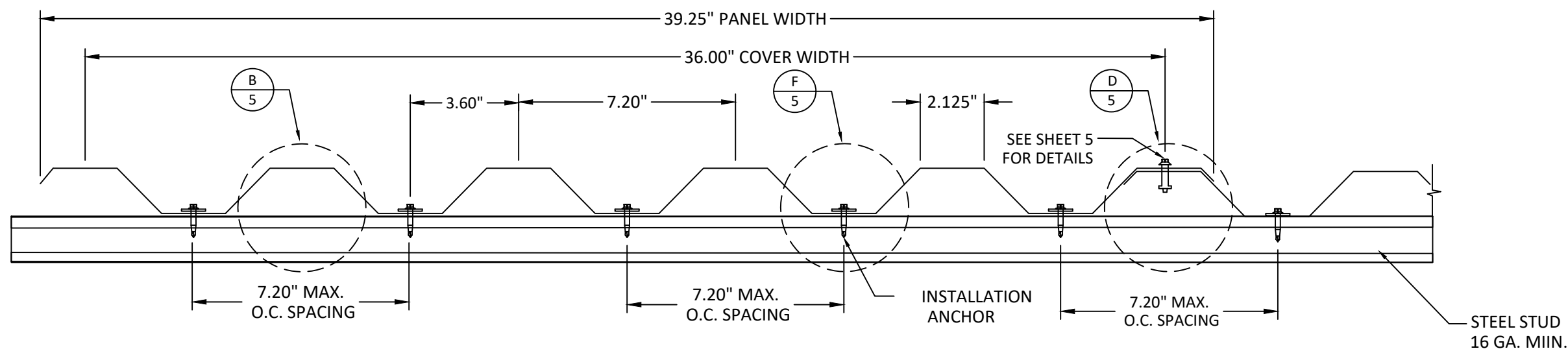
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A HORIZONTAL SECTION
4.2" x 1-1/16" PROFILE



B HORIZONTAL SECTION
7.2" x 1-1/12" PROFILE



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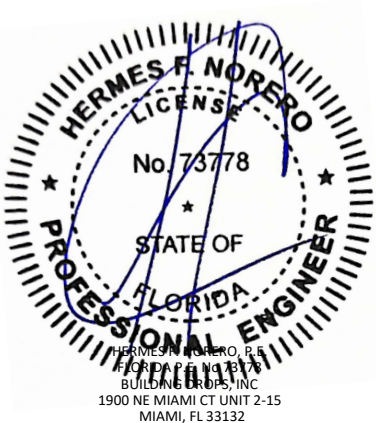
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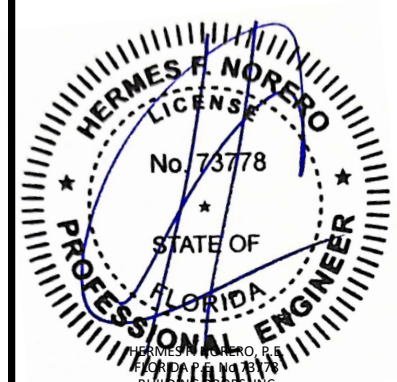
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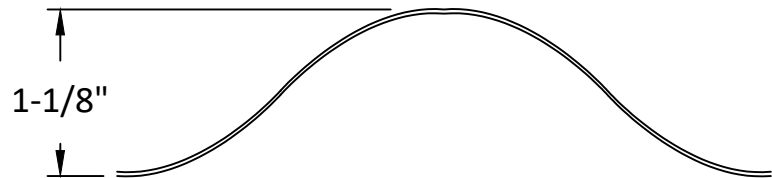
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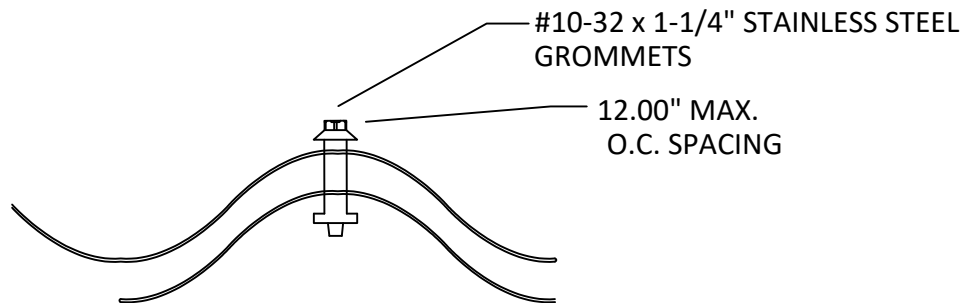
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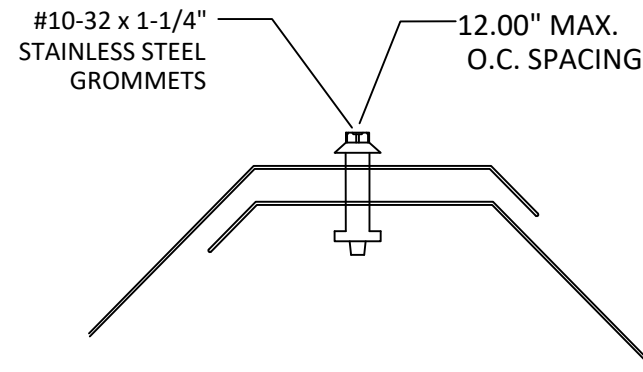
A
5 **HIGH FLUTE DETAIL**
4.2" x 1-1/16" PROFILE



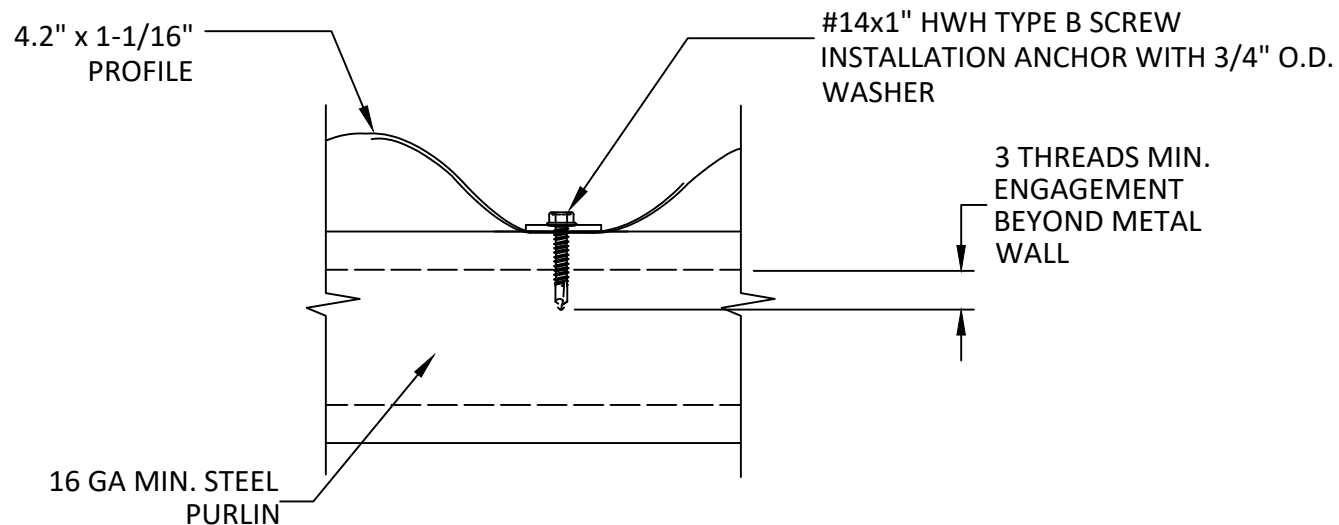
C
5 **SIDE LAP FASTNER**
4.2" x 1-1/16" PROFILE



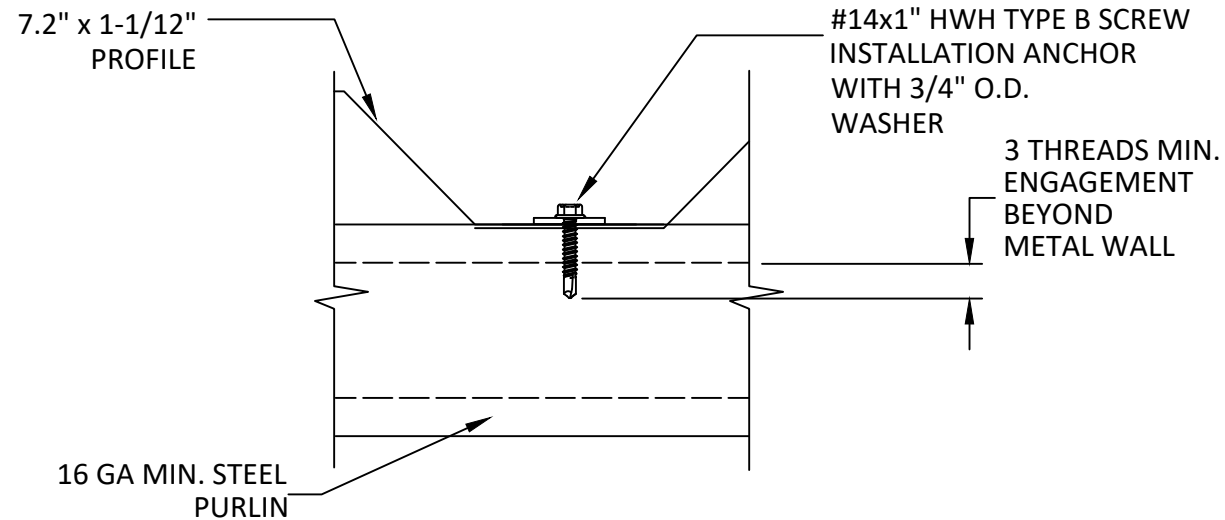
B
5 **HIGH FLUTE DETAIL**
7.2" x 1-1/12" PROFILE



D
5 **SIDE LAP FASTNER**
7.2" x 1-1/12" PROFILE



E
5 **HORIZONTAL SECTION**
16 GA. STEEL PURLINS



F
5 **HORIZONTAL SECTION**
16 GA. STEEL PURLINS