

HEAVY WEATHER SKYLIGHT

GENERAL NOTES: FLORIDA BUILDING CODE 2023 HVHZ - 8th EDITION

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AND NON HVHZ OF THE FLORIDA BUILDING CODE 2023 - 8TH EDITION.
- 2- DEFINITION: THIS PRODUCT IS A SKYLIGHT UNIT MANUFACTURED WITH DUAL POLYCARBONATE SHEETS SECURED BY AN ALUMINUM FRAMING.THE PRODUCT IS CONSTRUCTED AND TESTED TO PROVIDE PROTECTION FROM HURRICANE FORCE WINDS AND WIND BORNE DEBRIS (LARGE & SMALL MISSILE) WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL.
- 3- POSTING: PRODUCT SHALL BE LABELED AS PER FBC SECTION 1703.5. THE PERMANENT LABEL, MARKING OR ETCHING SHALL PROVIDE TRACEABILITY TO THE MANUFACTURER AND PRODUCT.
- 4- DESIGN LOADS: A PROJECT DESIGN PRESSURES, DETERMINED FROM SECTION 1620 AND ASCE 7-22, SHALL BE PROVIDED BY A PROFESSIONAL ARCHITECT OR ENGINEER. THE WIND PRESSURES ARE TO BE MULTIPLIED BY 0.6 FACTOR AND MUST NOT EXCEED THE PRODUCT ALLOWABLE PRESSURES HERE IN SPECIFIED..
- 5- MATERIAL: ALL EXTRUDED ALUMINUM PARTS TO BE 6063-T5 ALLOY OR AS NOTED AND GLAZING TO BE APPROVED POLYCARBONATE GE XL-10 AND LEXAN 9034 AS SPECIFIED ON THIS APPROVAL.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR SPACING AND LOADS MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.
- 8- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, HOWEVER, WOOD SCREWS WITH 1.6 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.
- 9- DISSIMILAR MATERIALS: WHERE ALUMINUM IS IN CONTACT OR FASTENED TO DISSIMILAR MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL, INSTALLATION SHALL MEET THE REQUIREMENTS OF CHAPTER M.7 OF THE ALUMINUM DESIGN MANUAL 2015. ISOLATORS SUCH AS TEFLON, NEOPRENE, AND 300 SERIES STAINLESS STEEL MAY BE PLACED BETWEEN ALUMINUM AND OTHER MATERIALS TO PREVENT CONTACT.
- 10- ALL ROOFING DETAIL SHALL COMPLY WITH CHAPTER 15 OF THE FLORIDA BUILDING CODE 2023 - 8TH EDITION.
- 11- MOUNTING: THE UNIT SKYLIGHT MUST BE INSTALLED AT LEAST 4" ABOVE THE PLANE OF THE ROOF FOR ROOF ANGLES LESS THAN 45 DEGREES WITH EXCEPTION FOR UNITS INSTALLED ON ROOFS HAVING A MINIMUM 14 DEGREES (THREE UNITS VERTICAL IN 12 UNITS HORIZONTAL) IN GROUP R-3 OCCUPANCIES.

Pedro Figueiredo

Digitally signed by Pedro Figueiredo
Date: 2024.02.25 21:22:18 -05'00'

DIGITALLY SIGNED FOR 5 PAGES

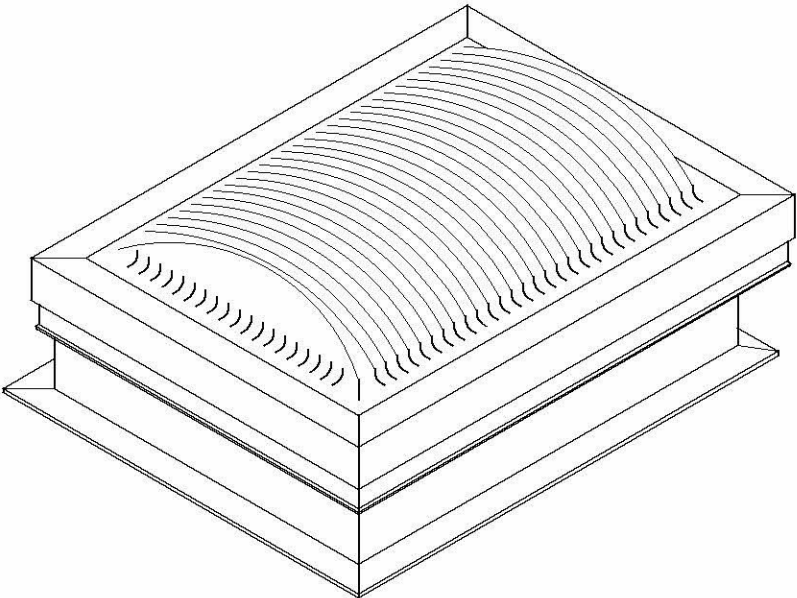
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PEDRO DE FIGUEIREDO, PE 52609 ON THE DATE INDICATED HERE.



Pedro De Figueiredo
PE 52609
09/30/2023

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5	COMPONENTS



DESIGNED RATING:

MAXIMUM SIZE: 64 1/16" X 100 1/16"
MAXIMUM CLEAR OPENING: 60" X 96"
POSITIVE WIND PRESSURE: +55 PSF
NEGATIVE WIND PRESSURE: -65 PSF
LARGE & SMALL MISSILE IMPACT RESISTANT

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TERRELL, TX 75160
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MANUFACTURER:
KINGSPAN
LIGHT + AIR LLC

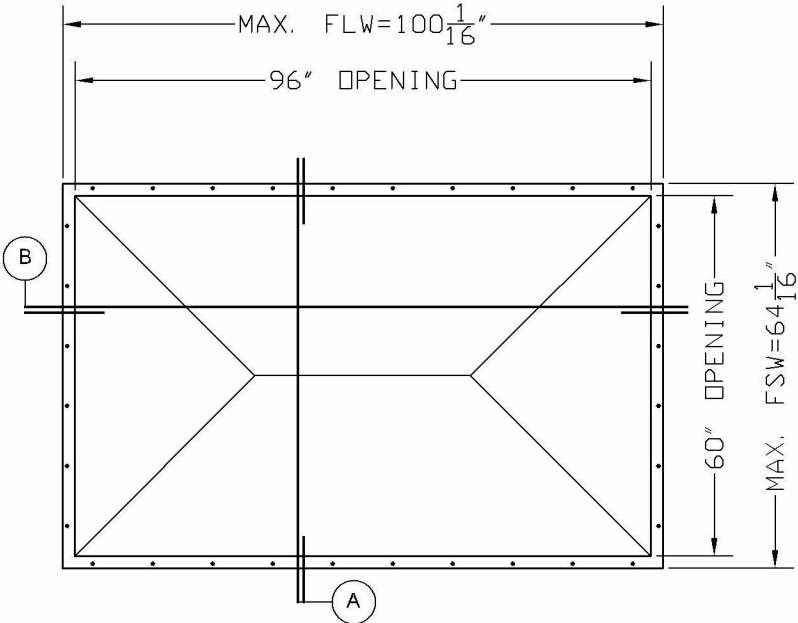
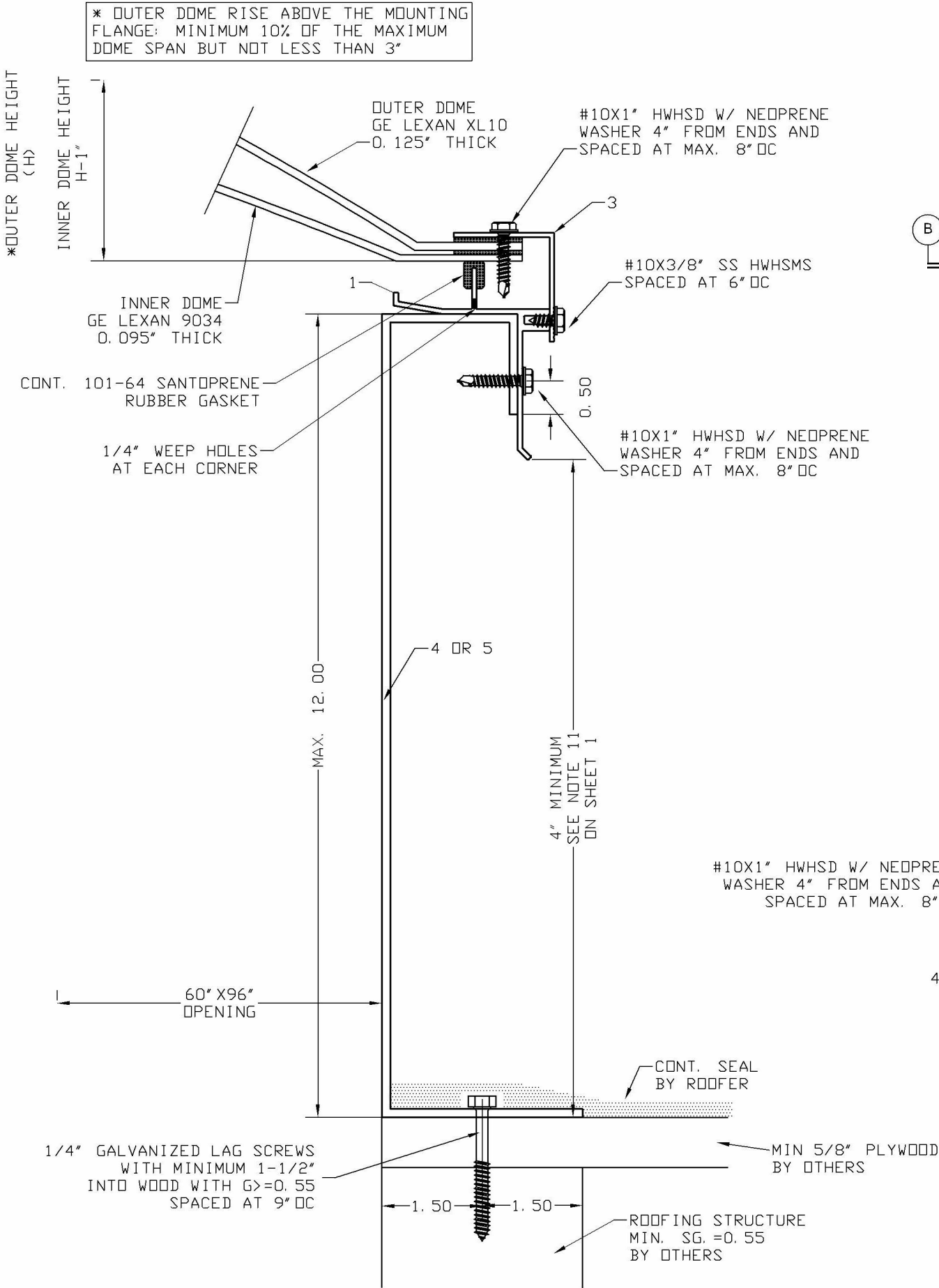
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PRODUCT:
HEAVY WEATHER SKYLIGHT

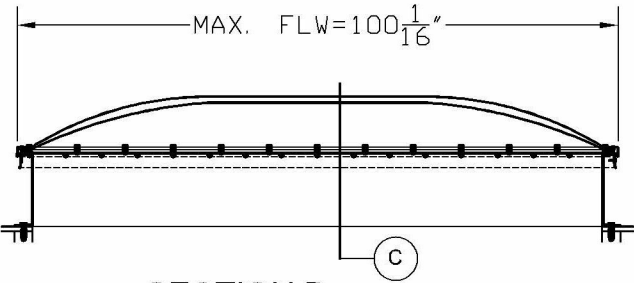
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DATE:
09/30/2023
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23-185
SHEET
1 OF 5

SECTION C

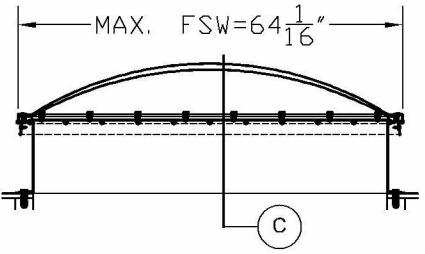
OPTION 1 - MAXIMUM 12" SELF FLASHING MOUNTING



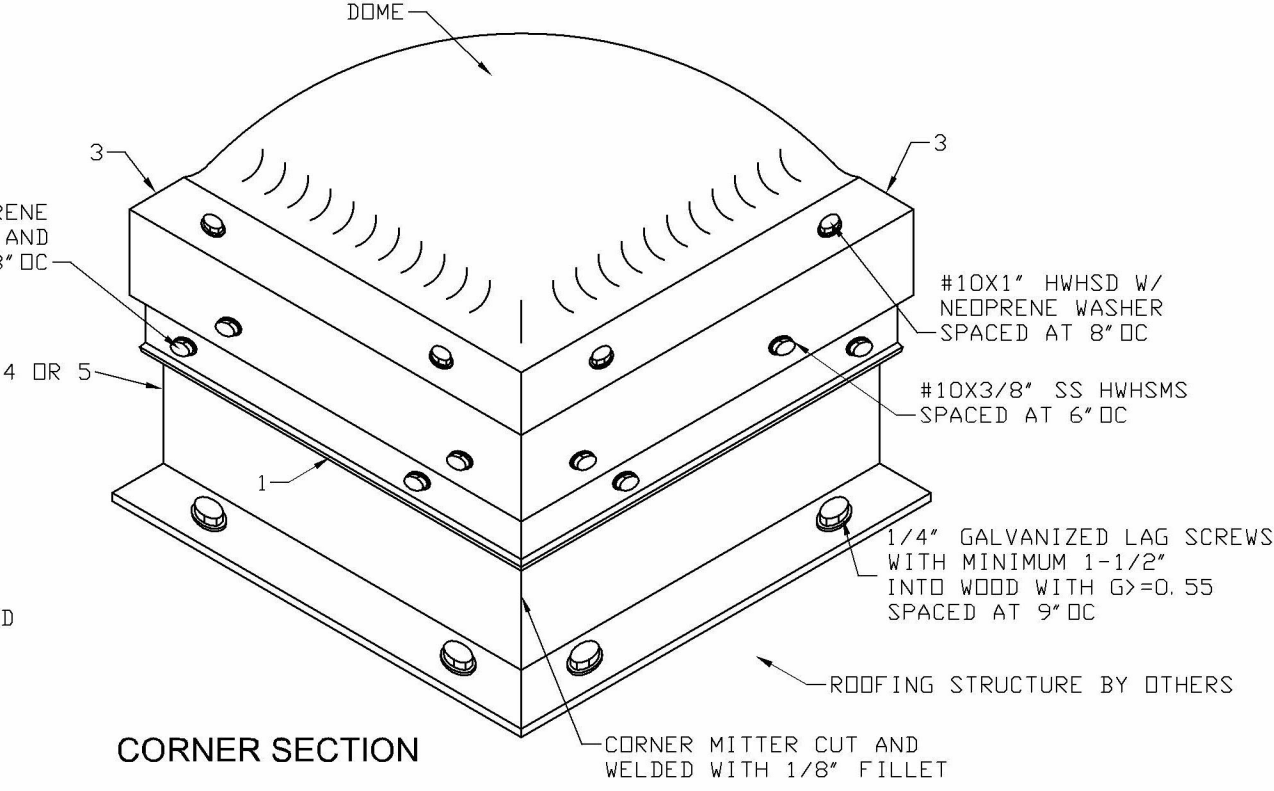
TOP VIEW



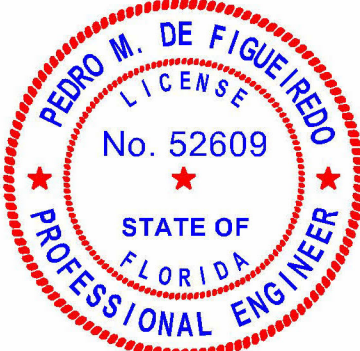
SECTION B



SECTION A



CORNER SECTION

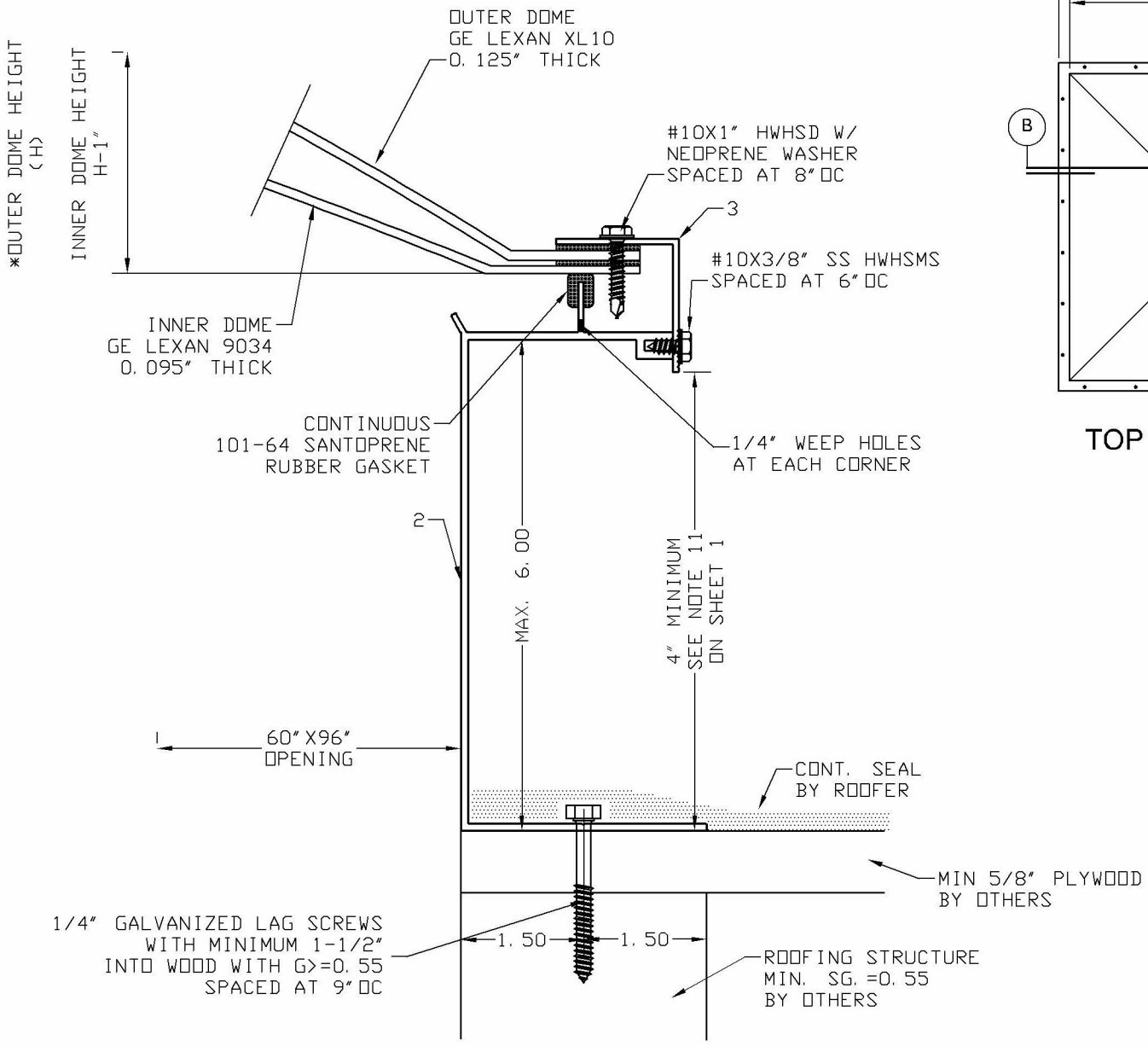


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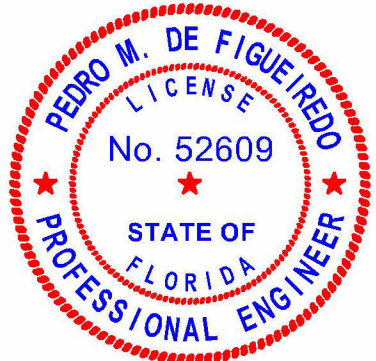
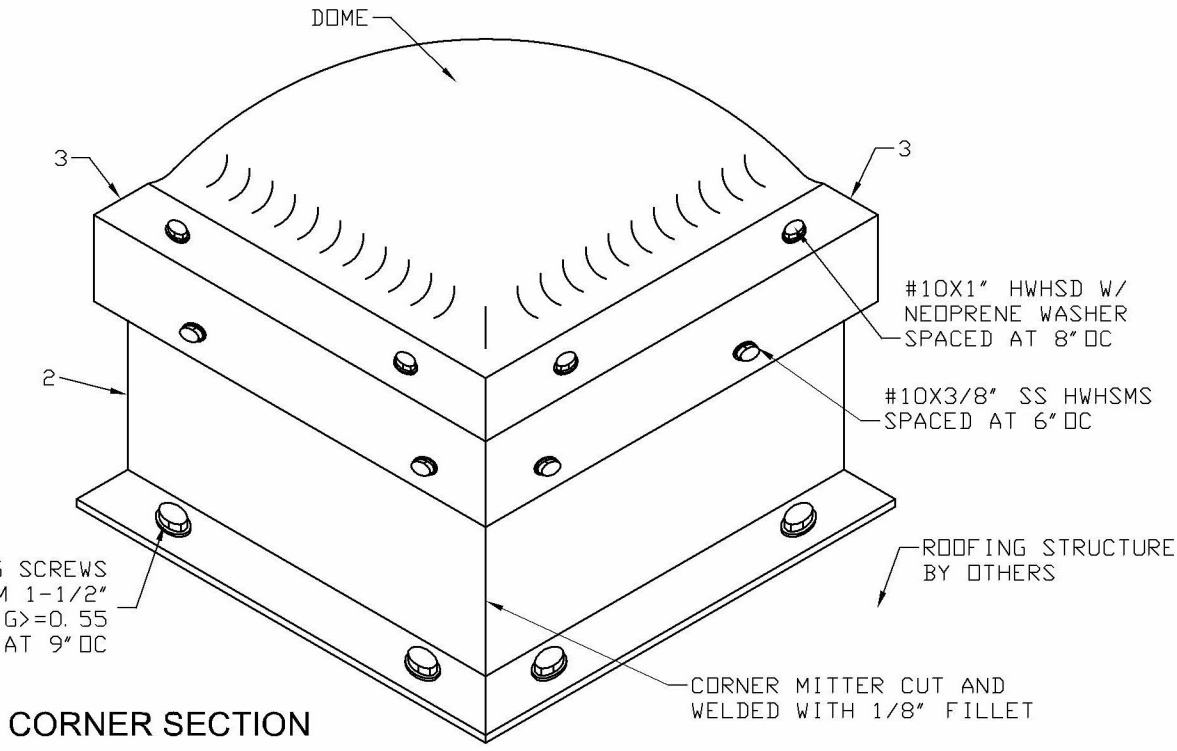
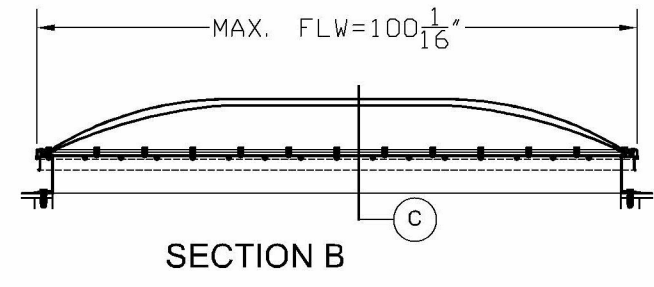
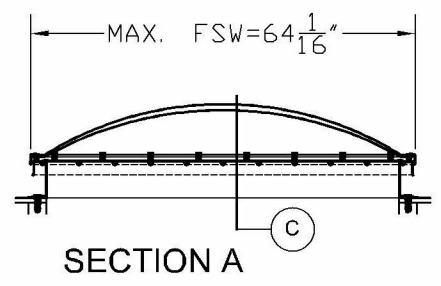
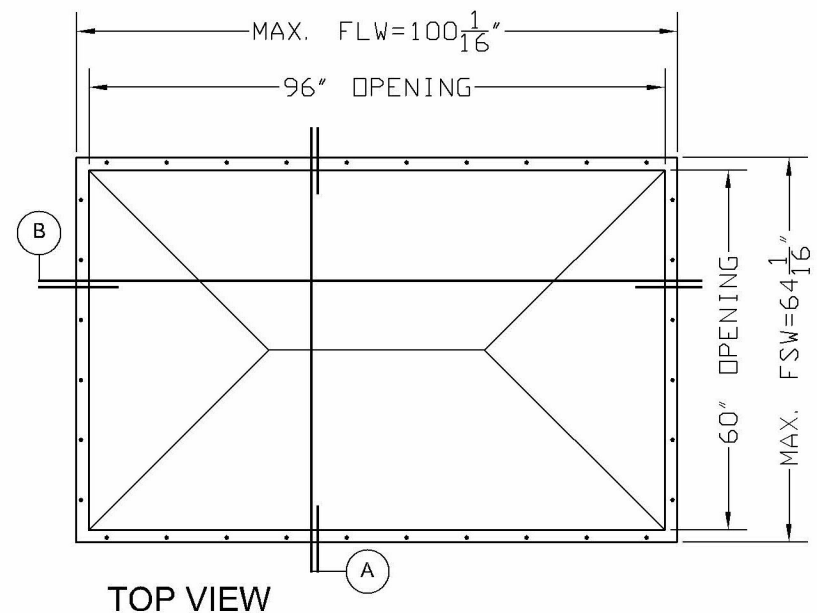
	
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CALIFORNIA OPERATION 401 EAST GOETZ AVENUE SANTA ANA, CA 92707 TEL: (714) 540-8950 FAX: (714) 540-5415	PRODUCT: HEAVY WEATHER SKYLIGHT
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SECTION C

* OUTER DOME RISE ABOVE THE MOUNTING FLANGE: MINIMUM 10% OF THE MAXIMUM DOME SPAN BUT NOT LESS THAN 3"



OPTION 2 - MAXIMUM 6" SELF FLASHING MOUNTING



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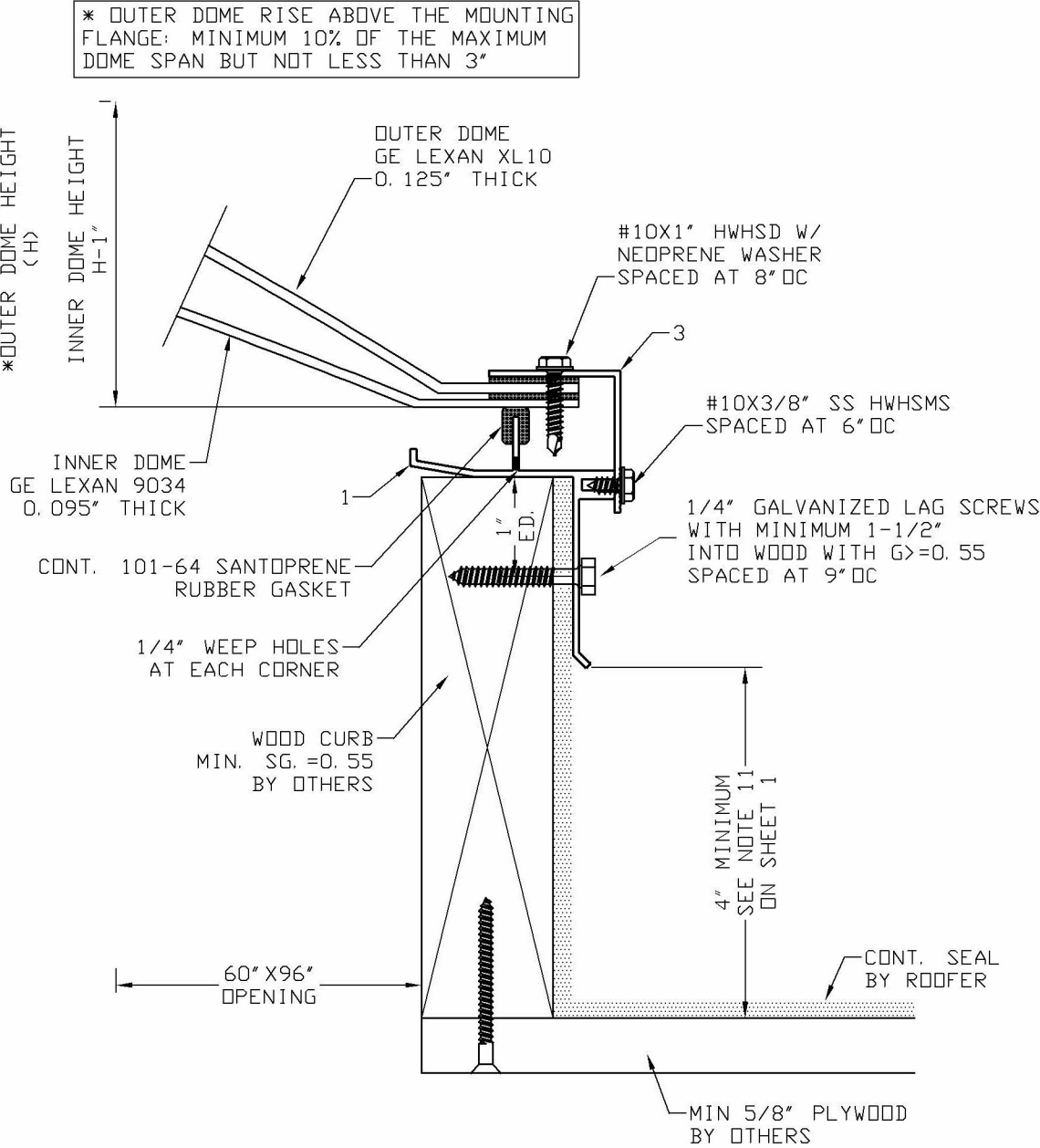
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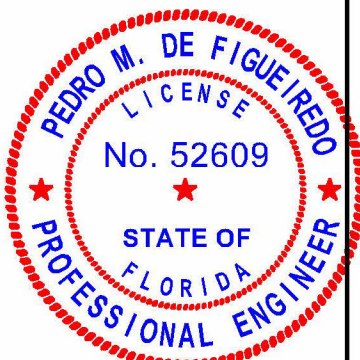
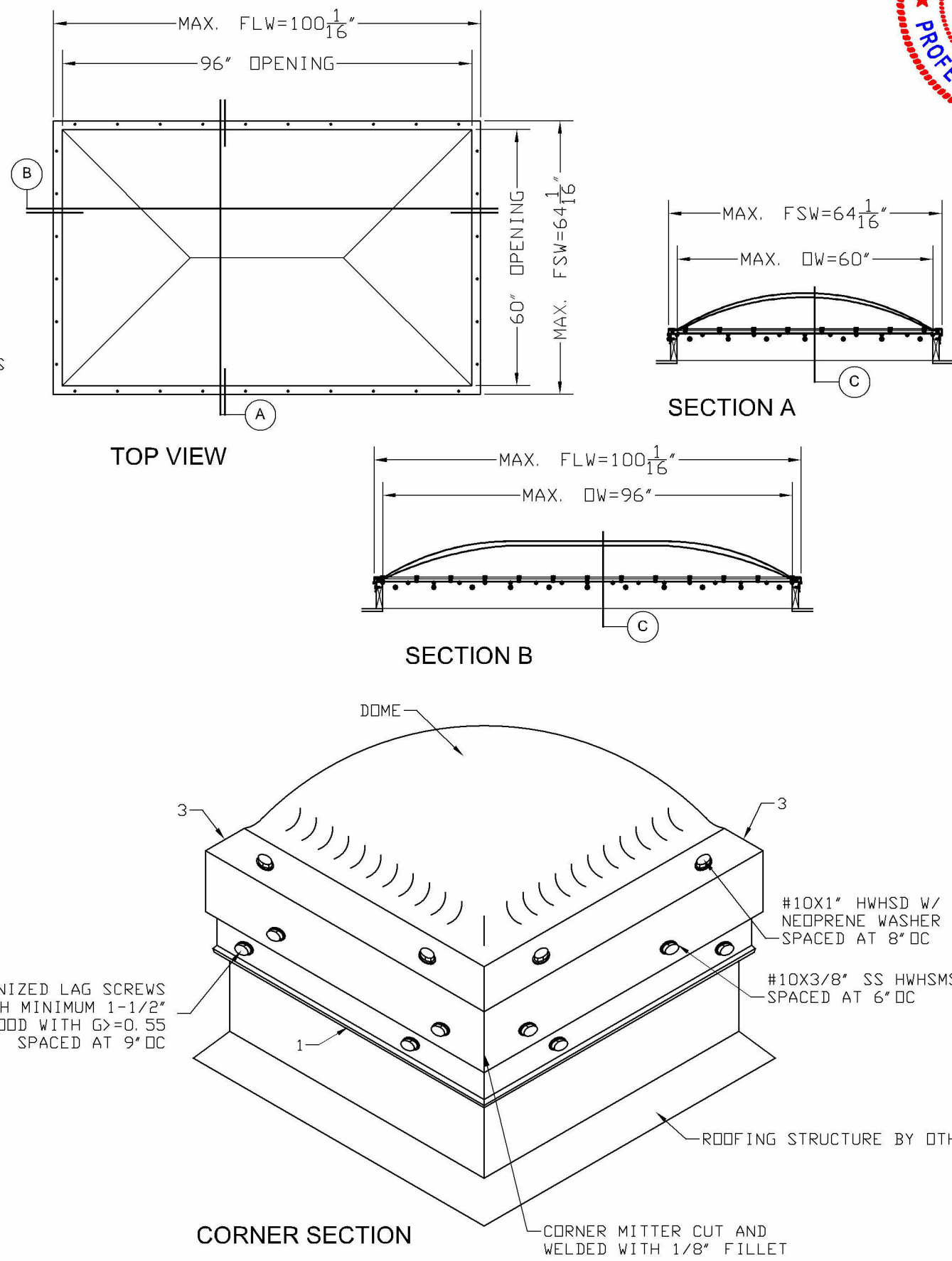
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SECTION C



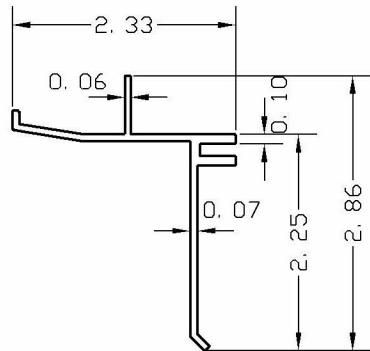
OPTION 3 - CURB MOUNTING



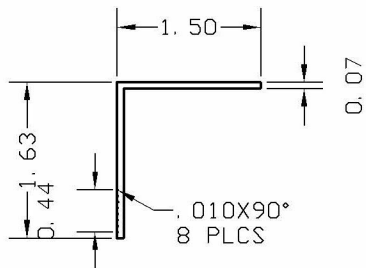
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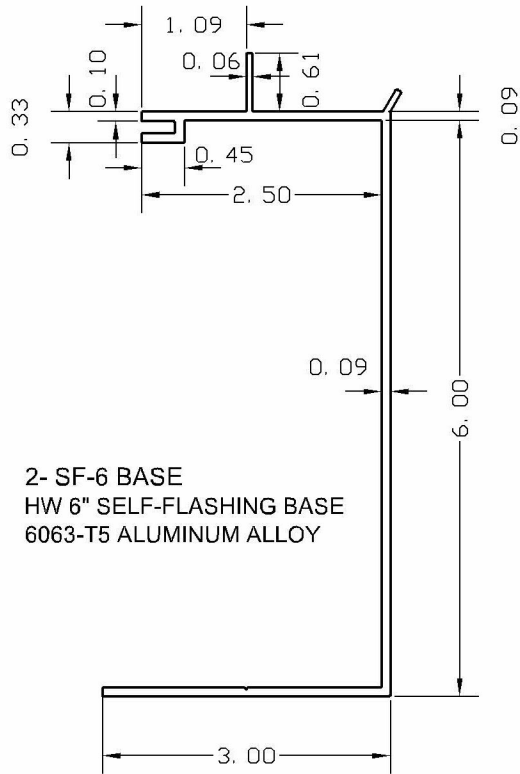
PRODUCT COMPONENTS



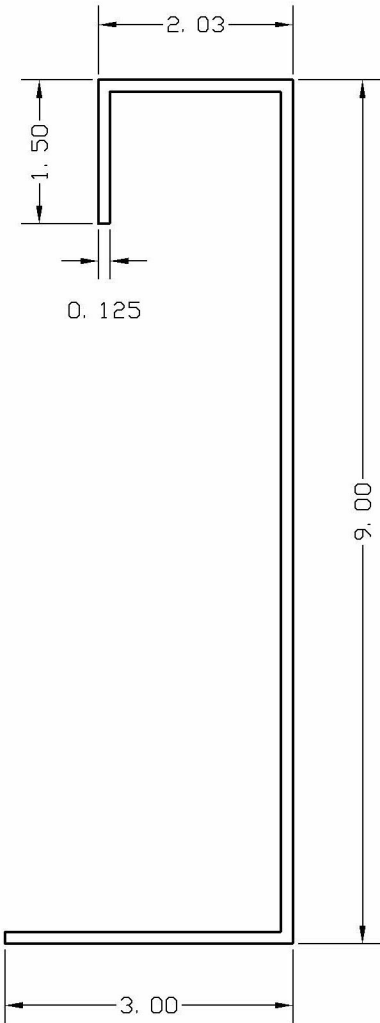
1- CM BASE
CURB MOUNT BASE
6063-T5 ALUMINUM ALLOY



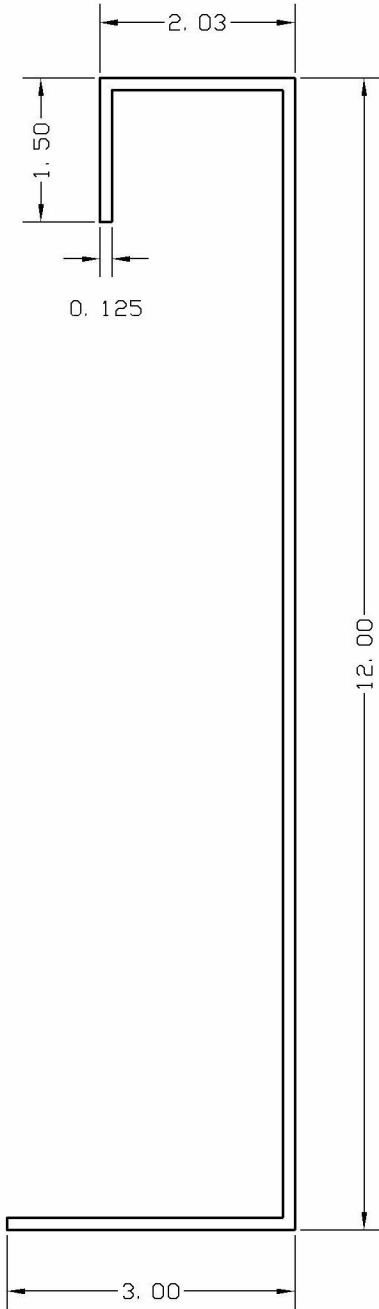
3- HW RETAINER
6063-T5 ALUMINUM ALLOY



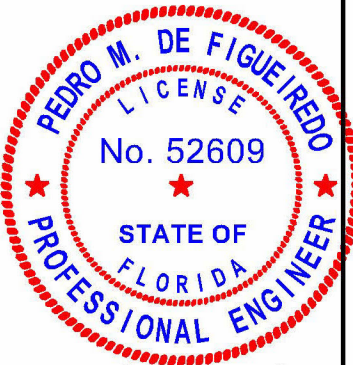
2- SF-6 BASE
HW 6" SELF-FLASHING BASE
6063-T5 ALUMINUM ALLOY



4- SF-9 BASE
0.13" THK. BRAKE FORMED
ALUMINUM SELF-FLASHING
5052-H32 ALUMINUM ALLOY



5- SF-12 BASE
0.13" THK. BRAKE FORMED
ALUMINUM SELF-FLASHING
5052-H32 ALUMINUM ALLOY



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