

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

ANCHOR 'A'– 3/8" DIA. LAG SCREWS
INTO WOOD STRUCTURES
2–1/4" MIN. PENETRATION INTO WOOD

ANCHOR 'B'– 3/8" DIA. Screw-Bolt BY 'DEWALT'
DIRECTLY INTO CONCRETE
2" MIN. EMBED INTO CONCRETE

ANCHOR 'C'– 3/8" DIA. Tap-Flex BY 'DEWALT'
3/8" DIA. ST. STEEL MACHINE SCREW (Fu=120 KSI MIN., Fy=92 KSI MIN.)
INTO METAL STRUCTURES
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE (FOR Tap-Flex)
1/4" EMBEDMENT INTO SUBSTRATE (FOR MACHINE SCREWS)
ALUMINUM: 1/4" THK. (6063-T5)
STEEL: 1/4" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE = 2–1/2" MIN.
INTO WOOD STRUCTURE = 1–1/2" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

WOOD SG = 0.55 MIN.
CONCRETE f'c = 3000 PSI MIN.

ANCHOR TYPE	ANCHOR SPACING
A	4"
B	8"
C	8"

SERIES 'SLIMPACT XL' SKYLIGHT SYSTEM

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020/2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE OR ACCUMULATION ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

THIS SKYLIGHT IS DESIGNED TO WITHSTAND NORMAL ELEMENTS OF WEATHER, IT HAS NOT BEEN DESIGNED TO WITHSTAND HUMAN IMPACT OR FALLING OBJECTS AND IS NOT INTENDED TO BE UTILIZED AS A WALKING SURFACE. DESIGN OF THIS SKYLIGHT DOES NOT TAKE INTO ACCOUNT LONG TERM AGING OF GLAZING MATERIAL AND DEGRADATION DUE TO ENVIRONMENTAL EXPOSURES.

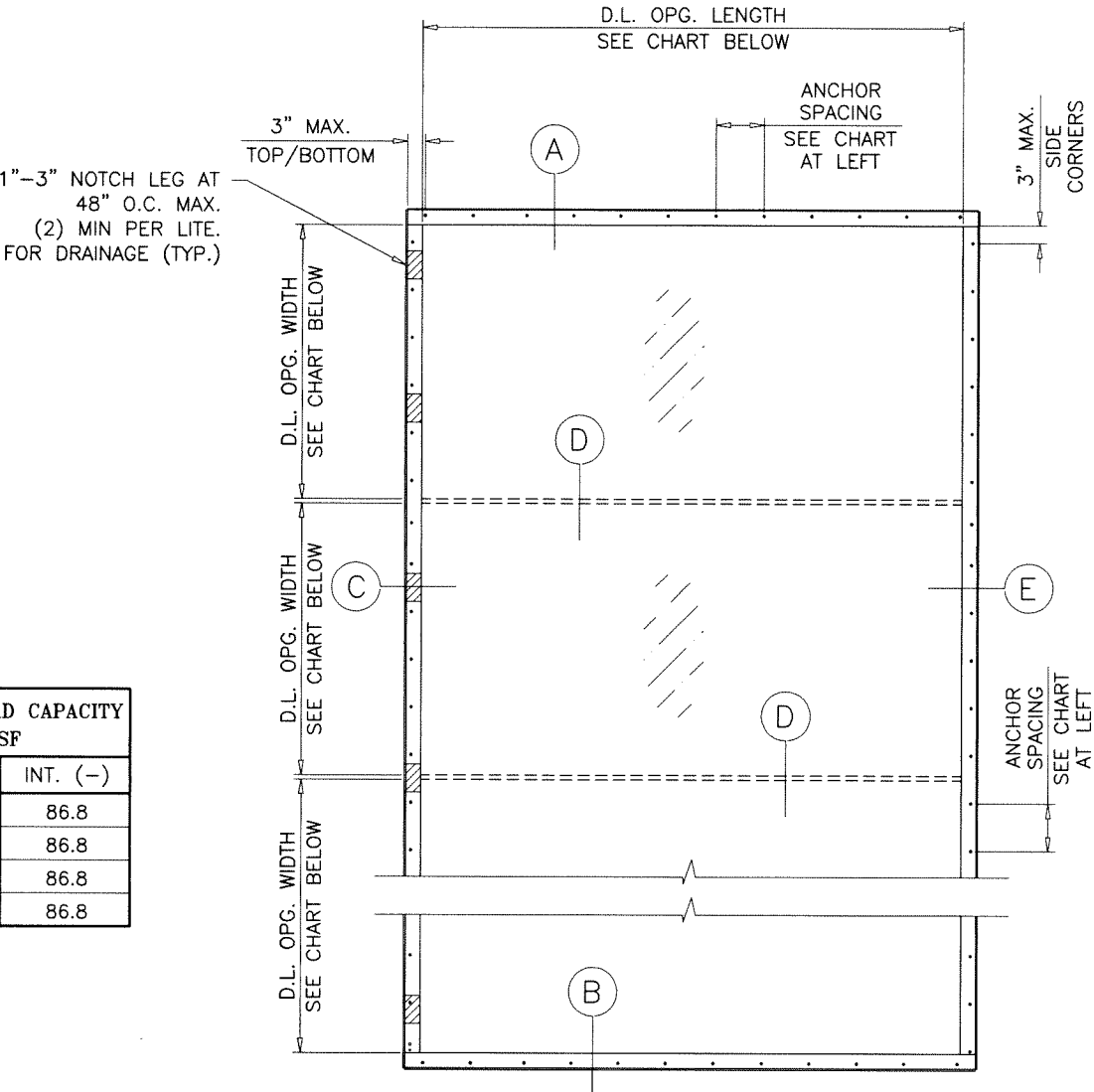
THIS PRODUCT MUST COMPLY WITH SECTION 2405 OF 2020 FBC (7TH EDITION).

WATERPROOFING BY OTHERS.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

DLO DIMS.		DESIGN LOAD CAPACITY PSF	
LENGTH	WIDTH	EXT. (+)	INT. (-)
144"	96"	66.0	86.8
132"	104–3/4"	66.0	86.8
120"	115–1/4"	66.0	86.8
108"	128"	66.0	86.8

NOTE:
GLASS CAPACITIES ARE BASED ON
ASTM E1300-09 (3 SEC. GUSTS)



TYPICAL ELEVATION

DAYLITE OPENINGS:
D.L.O. LENGTH = WINDOW LENGTH – 5.0"
D.L.O. WIDTH = WINDOW WIDTH – 5.0"

THIS SKYLIGHT IS RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

Sealed: 8/21/2023

FL #29880

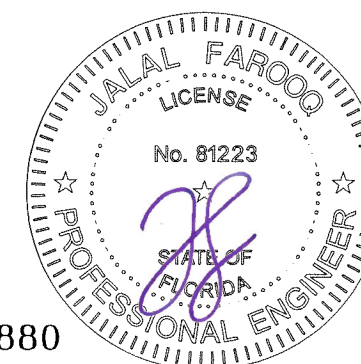
A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



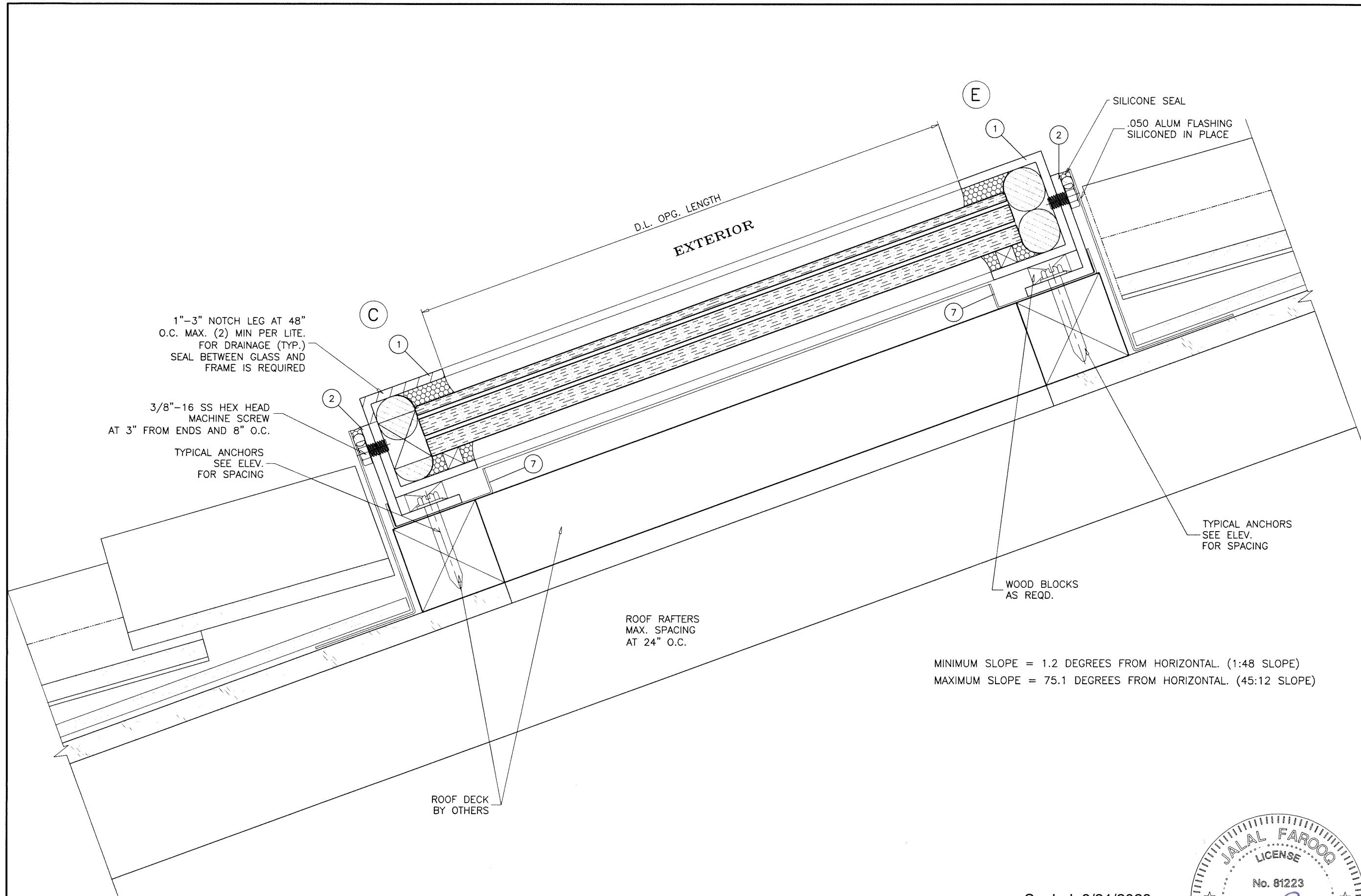
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
C.A.N. 3538
COMP-ANL\18-62F-FGT

SERIES 'SLIMPACT XL' SKYLIGHT SYSTEM (L.M.I.)
Faour Glass Technologies
5119 West Knox Street
Tampa, FL. 33634
Tel. (813) 884-3297 Fax. (-)

revisions:	no	date	by	description
	A	10.19.20	ALC	UPDATED TO 2020 FBC
	B	02.10.22	CH	GENERAL REVISION
	C	07.27.22		SLOPE REVISED
	D	08.17.23		UPDATED TO 2023 FBC
date:	06-07-18			
scale:	3/8"=1'-0"			
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chk. by:				
drawing no.	18-62F			
sheet	1 of 5			



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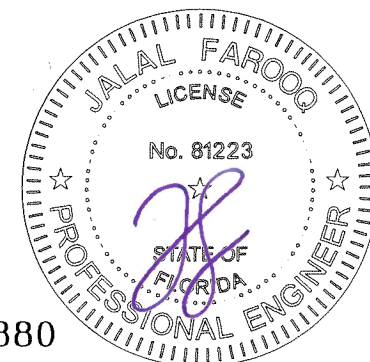


ROOF RAFTERS
MAX. SPACING
AT 24" O.C.

MINIMUM SLOPE = 1.2 DEGREES FROM HORIZONTAL. (1:48 SLOPE)
MAXIMUM SLOPE = 75.1 DEGREES FROM HORIZONTAL. (45:12 SLOPE)

ROOF DECK
BY OTHERS

Sealed: 8/21/2023



ENGINEER OF RECORD TO VERIFY PROPER DRAINAGE OF SKYLIGHT
AND ADEQUACY OF STRUCTURE RECEIVING THIS WINDOW.

FL #29880

af c
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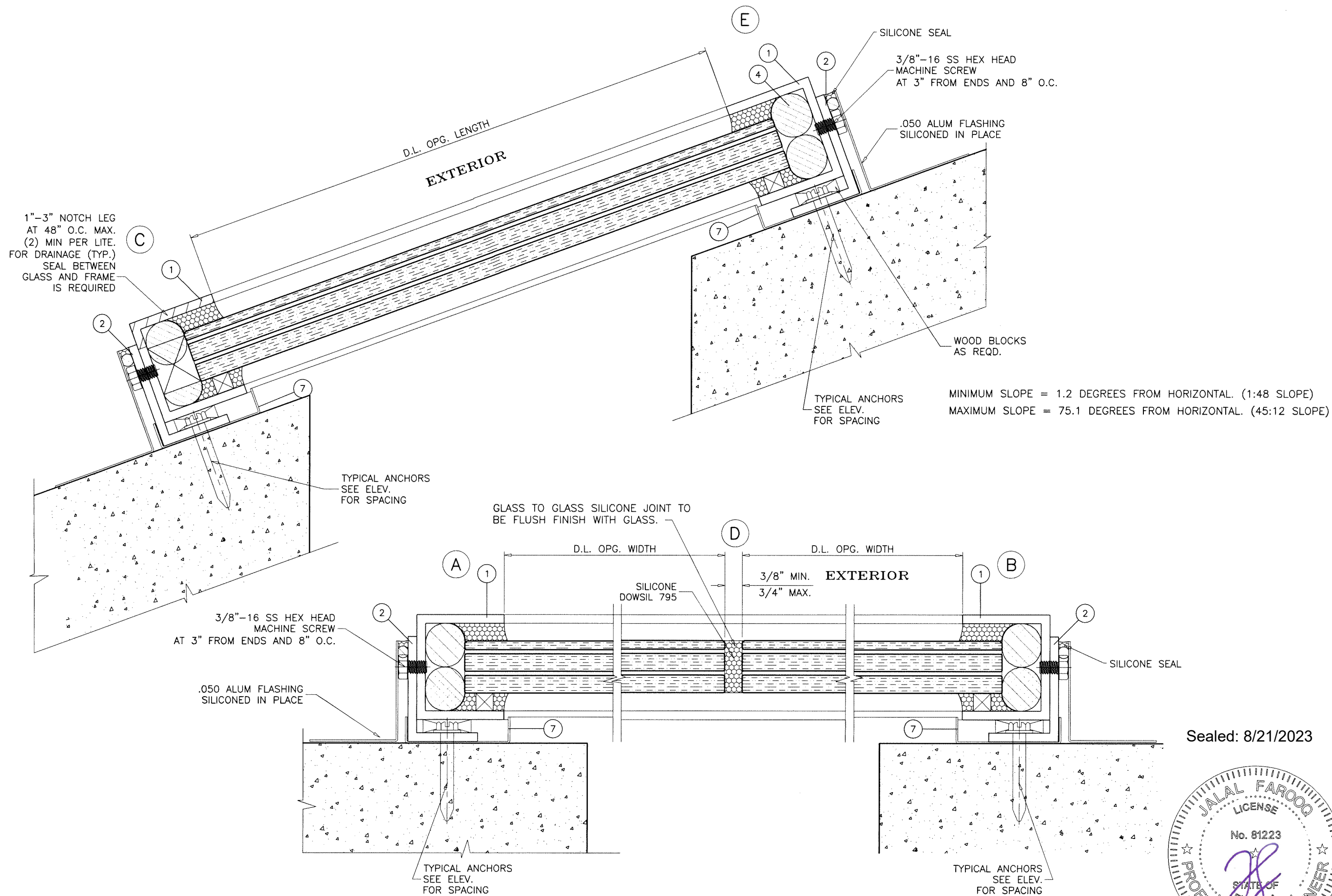
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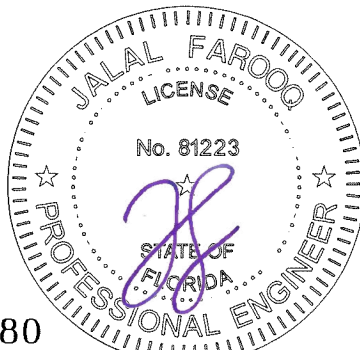
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ENGINEER OF RECORD TO VERIFY PROPER DRAINAGE OF SKYLIGHT
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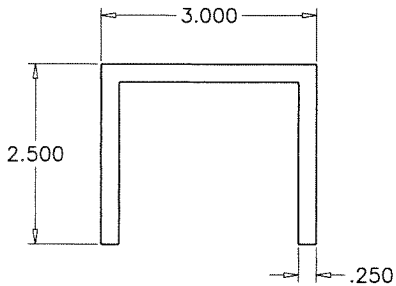
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sheet 4 of 5

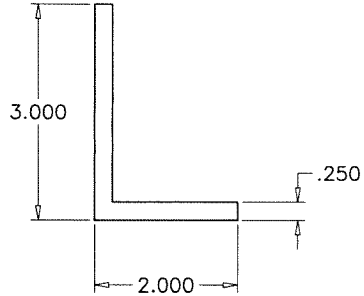
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	-	AS REQD.	WINDOW FRAME	6063-T5	-
2	-	AS REQD.	INSTALLATION ANGLE	6063-T5	-
3	-	2/ LITE	SETTING BLOCKS AT 1/4 POINTS	SILICONE	DUROMETER 80±5 SHORE A
4	-	AS REQD.	BACKER ROD	FOAM	-
5	DOWSIL 995	AS REQD.	GLAZING COMPOUND	SILICONE	-
6	-	AS REQD.	1/2" X 1/2" GLASS SPACERS, AT 1/4 POINTS	SILICONE	DUROMETER 80±5 SHORE A
7	-	AS REQD.	DRAIN PAN	6063-T5	-

SEALANT:

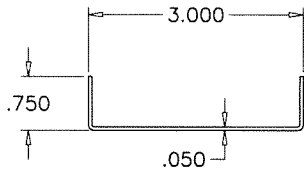
ALL FRAME JOINTS SQUARE-CUT AND BUTTED,
SEALED WITH DOWSIL 123 SILICONE SEAL TAPE.



1 WINDOW FRAME



2 INSTALLATION ANGLE



7 DRAIN PAN



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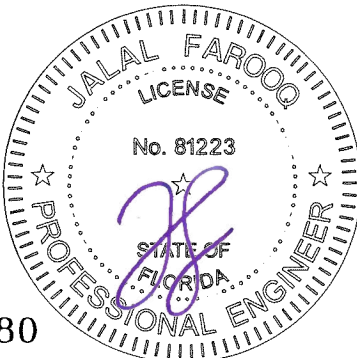
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sheet	5 of 5



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