

GENERAL NOTES:

1- FLUSH GLAZED SKYLIGHT SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2023 (8th EDITION) OF THE FLORIDA BUILDING CODE. THIS SKYLIGHT MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES (HVHZ) AND OUT OF THEM (NHVHZ). MINIMUM SLOPE FOR SKYLIGHT SHALL BE 1/4"/FT. (CASES I, IA) & 1/2" /ft (CASE II) SKYLIGHT MUST BE FLUSH WITH ADJACENT ROOFING (SEE SHEETS 3 THRU 5) OR WITH CURBS (SEE SHEETS 6 THRU 8).

DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTIONS 1620 (HVHZ) & 1609 (NHVHZ) OF THE ABOVE MENTIONED CODE, FOR A BASIC WIND SPEED AS REQUIRED BY THE JURISDICTION WHERE THIS PRODUCT TO BE INSTALLED FOR A DIRECTIONALITY FACTOR Kd=0.85, USING ASCE 7-22 & SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-22 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2.

IN ORDER TO VERIFY THAT ANCHORS ON THIS P.E.D., AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. FASTENERS SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2018.

2- MAX. A.S.D. DESIGN PRESSURE RATING (p.s.f) & TEST REPORTS THAT QUALIFIED PRODUCT

LARGE & SMALL MISSILE SKYLIGHT:
CASES I & IA (SHEETS 1 THRU 6)
+75,-75 p.s.f ; 49 3/4" MAX. WIDE x 97 3/4" MAX. LONG.

TEST REPORTS USED TO QUALIFY PRODUCT
LARGE & SMALL MISSILE SKYLIGHT
LAB. NAME: AMERICAN TEST LAB OF SOUTH FL.
REPORT #: ATLSF0617.01-19

LARGE & SMALL MISSILE SKYLIGHT:
CASE II (SHEETS 7 THRU 8)
+150,-150 p.s.f ; 60 7/8" MAX. WIDE x 60 7/8" MAX. LONG

TEST REPORT USED TO QUALIFY PRODUCT
LAB. NAME: AMERICAN TEST LAB OF SOUTH FL.
REPORT #: ATLS 0924.01-25

TESTING AS PER SECTIONS 1626 & 1609.1.2 OF THE FLORIDA BUILDING CODE, PER PROTOCOLS TAS 201 (50ft/SEC), 202, 203, PER INDICATED LABORATORY REPORT AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTIONS 1616 ,1604 AND ASTM E- 1300, PER SECTION 2404.1 OF THE FLORIDA BUILDING CODE. WATER AND AIR INFILTRATION TESTING AS PER PROTOCOL TAS 202, QUALIFYING ASTM E 331 AND ASTM E 283 RESPECTIVELY AT 11.25 psf STATIC WATER PENETRATION (CASES I & IA) & 22.5 p.s.f STATIC WATER PENETRATION (CASE II)

3- STRUCTURAL ADEQUACY OF SUPPORTING STRUCTURAL MEMBERS IS NOT PART OF THIS P.E.D. STRUCTURAL DESIGN OF THE STRUCTURE THAT WILL PROVIDE SUPPORT TO THIS SKYLIGHT SHALL BE PERFORMED BY THE STRUCTURAL ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT. STRUCTURAL DESIGN SHALL INCLUDE AND TAKE INTO CONSIDERATION THE ACTUAL Vy LOADS TRANSFERRED FROM THIS SKYLIGHT TO THE SUPPORT STRUCTURE BASED ON DEAD, LIVE & WIND LOADS AND USING THE LOAD COMBINATIONS OF A.S.C.E. 7 STANDARD. ADEQUACY OF SUPPORTING STRUCTURAL MEMBERS SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT ON A JOB SPECIFIC BASIS.

4- ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION ALLOY AND TEMPER AS SHOWN ON SHEET 2 & 7.

5- ALL SCREWS TO BE AS SHOWN ON BILL OF MATERIALS AND SHALL COMPLY WITH FLORIDA BUILDING CODE SECTION 2411.3.3.4.

6- SKYLIGHT SYSTEM SHALL COMPRISE ALL COMPONENTS DESCRIBED ON BILL OF MATERIALS SHEETS 2 & 7.

7- GLASS OPTIONS: SEE BILL OF MATERIALS SHEETS 2 & 7.

8- ALL WELDING TO CONFORM TO THE AMERICAN WELDING SOCIETY A.W.S. D1.2 STANDARD. USE CERTIFIED WELDERS. USE ER-4043 ELECTRODES.

9- ALUMINUM MEMBERS IN CONTACT WITH DISSIMILAR MATERIALS SHALL COMPLY WITH SECTION III-6 OF THE 2020 ALUMINUM DESIGN MANUAL.

10- PAINT, FINISH AND COLOR TO BE SELECTED BY ARCHITECT OF RECORD OR OWNER OF PREMISES FOR THE JOB IN COORDINATION W/ SKYLIGHT CONCEPTS, AND SHALL COMPLY WITH AAMA 1600 SPECIFICATION, SECTION 3.11.

11- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE THE SKYLIGHT IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. SEE NOTE 3 ABOVE. CONTRACTOR IS TO SEAL/CAULK ALL SKYLIGHT COMPONENT EDGES AS INDICATED ON THIS DRAWING TO PREVENT WIND/RAIN INTRUSION.

12- SKYLIGHT INSTALLATION SHALL COMPLY WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED.

13- (a) THIS P.E.D. (PRODUCT EVALUATION DOCUMENT) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT.

(b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.E.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(c) THIS P.E.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

(d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE PROFESSIONAL OF RECORD (P.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. PROFESSIONAL OF RECORD, ACTING AS DELEGATED ENGINEER TO THE P.E.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

(e) ORIGINAL P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

14- PRODUCT MANUFACTURER'S LABEL SHALL BE PLACED ON AN EXPOSED SURFACE OF SKYLIGHT IN ACCORDANCE W/ SECTION 2404.5 OF THE FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING.

THIS DRAWING SHALL ONLY BE USED TO
OBTAIN PERMITS IN THE STATE OF FLORIDA

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

FLUSH GLAZED SKYLIGHT

SKYLIGHT CONCEPTS, Inc.
4050 N.E. 9TH AVENUE 9TH AVENUE
OAKLAND PARK, FL 33334
PH: (954) 776-7818

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FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

FLUSH GLAZED SKYLIGHT

SKYLIGHT CONCEPTS, Inc.
4050 N.E. 9TH AVENUE 9TH AVENUE
OAKLAND PARK, FL 33334
PH: (954) 776-7818

REV. NO

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4050 N.E. 9TH AVENUE 9TH AVENUE
OAKLAND PARK, FL 33334
PH: (954) 776-7818

REV. NO

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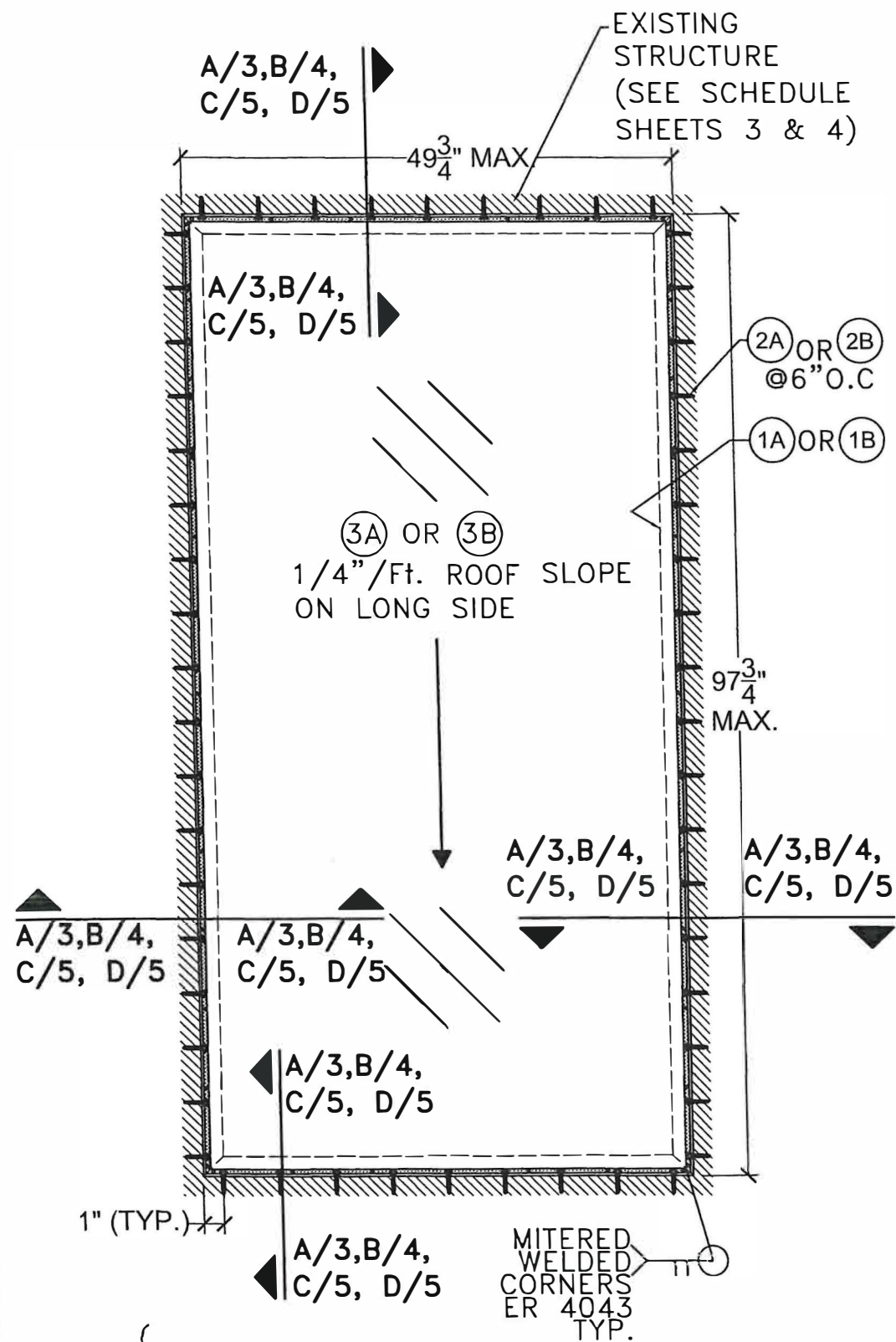
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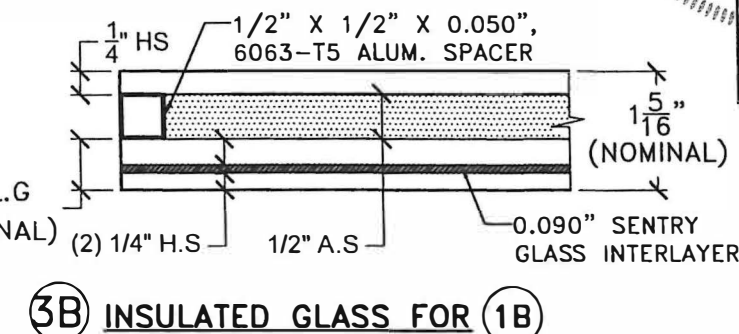
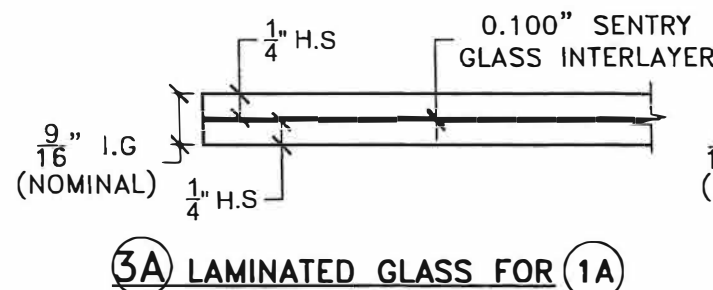
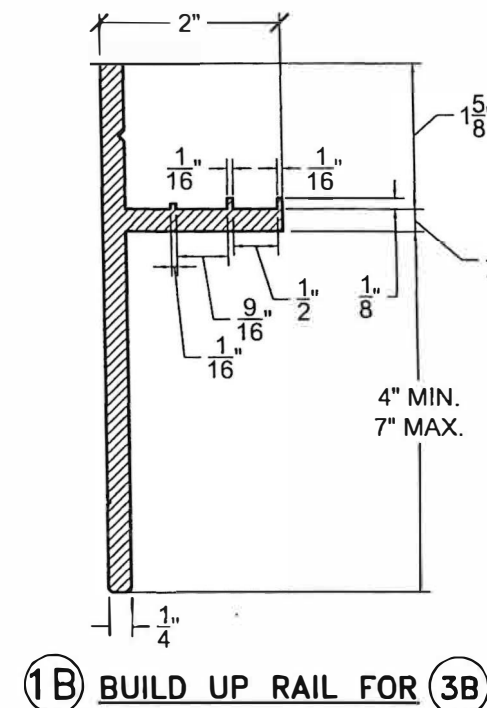
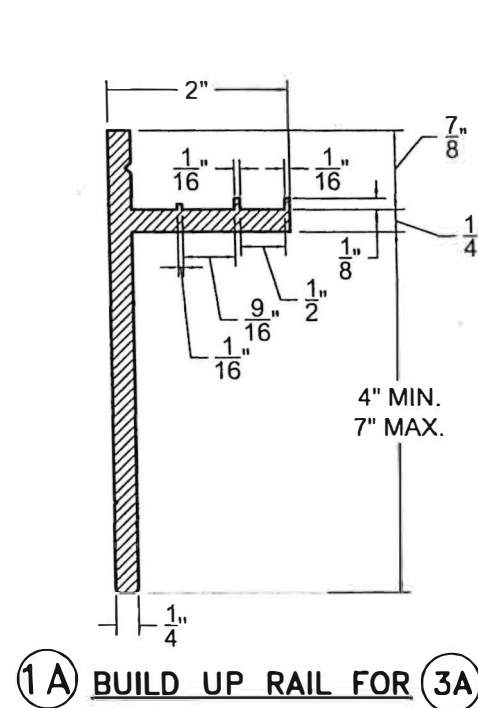
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TYPICAL SKYLIGHT PLAN
CASE I: TRAPPED SKYLIGHT
 +75,-75 psf. PRESSURE RATING (A.S.D)

BILL OF MATERIALS: CASES I & IA

COMPONENT No.	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
(1A)	BUILD UP TRAPPED RAIL FOR (3A)	SEE DETAIL	6063-T6 ALLOY	-	ANCHORED TO STRUCTURE W/ (2A) OR (2B)
(1B)	BUILD UP TRAPPED RAIL FOR (3B)	SEE DETAIL	6063-T6 ALLOY	-	ANCHORED TO STRUCTURE W/ (2A) OR (2B)
(2A)	FASTENER FOR (1A) (1B)	1/4"Ø x 1" DRILL FLEX	GRADE 5 SILVER STALGARD COATING	ELCO CONSTRUCTION PRODUCTS	ATTACH (1A) (1B) TO ALUM./STL. STRUCTURE
(2B)	FASTENER FOR (1A) (1B)	1/4"Ø ULTRACON	GRADE 5 SILVER STALGARD COATING	DEWALT	ATTACH (1A) (1B) TO WOOD OR CONCRETE STRUCTURE
(3A)	LAMINATED GLASS	9/16" THICK NOMINAL 1/4" H.S + 0.100" SENTRY GLASS INTERLAYER + 1/4" H.S	GLASS	LAMINATED BY KURARAY AMERICA Inc.	SEE GLAZING DETAIL SHEETS 3 & 6
(3B)	INSULATED GLASS	1 5/16" NOMINAL: 1/4" H.S OUTBOARD + 1/2" AIR SPACE + 1/4" H.S + 0.090" SENTRY GLASS + 1/4" H.S	GLASS	LAMINATED BY KURARAY AMERICA Inc.	SEE GLAZING DETAIL SHEETS 4 & 6



COMPONENTS: VALID FOR CASES I & IA
 SCALE: N.T.S

FLUSH GLAZED SKYLIGHT

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY: 7/14/2023 DATE: 23-096 DRAWING No. SHEET 2 OF 8

SKYLIGHT CONCEPTS, Inc.
 4050 N.E. 9TH AVENUE 9TH AVENUE
 OKLAND PARK, FL 33334
 PH: (954) 776-7616

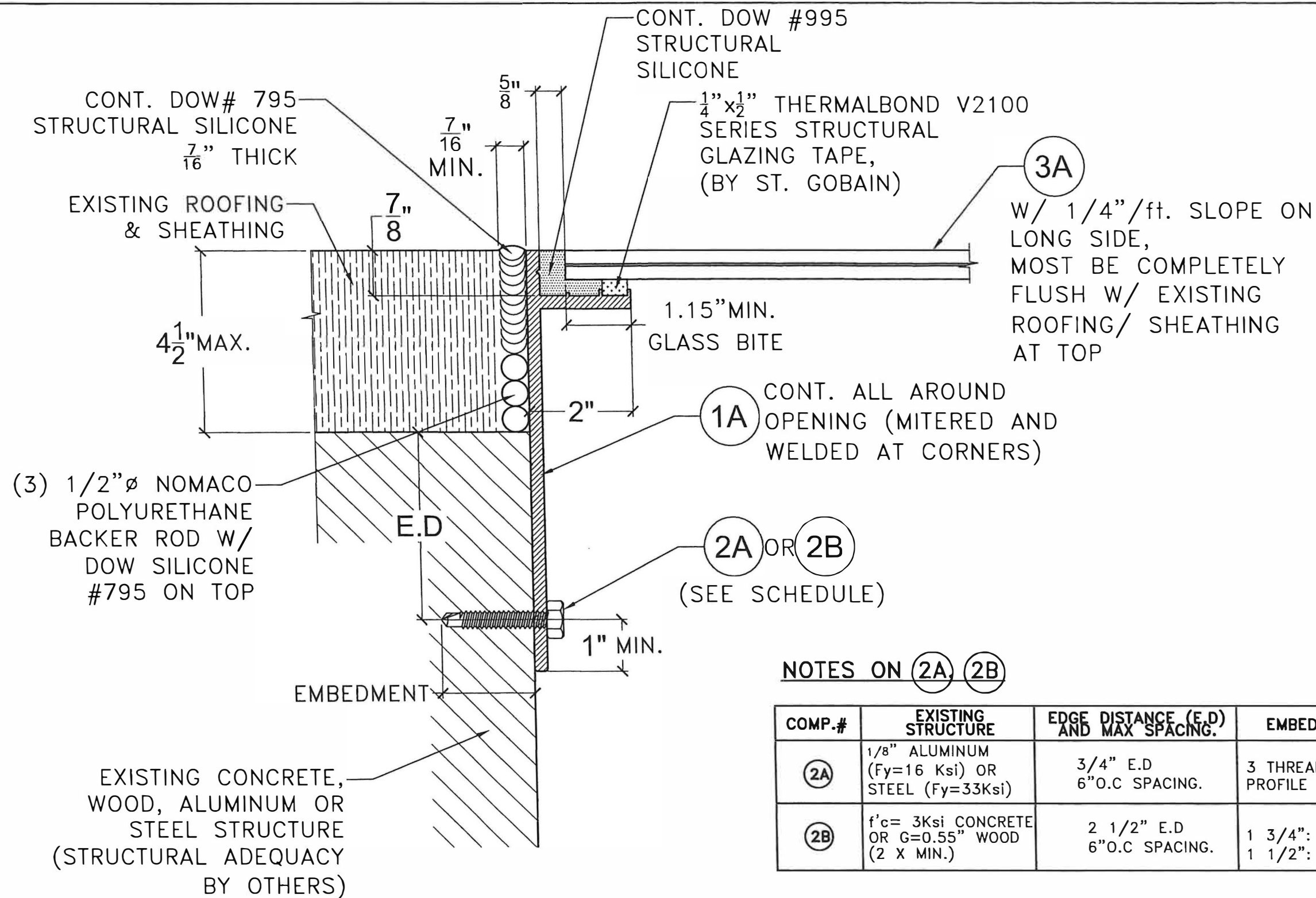
REV. NO. 1
 DESCRIPTION 1
 OLD 22-024
 DATE 7/14/23
 REV. NO. 2
 DESCRIPTION 2
 OLD 22-024
 DATE 10/20/23

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TILECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6355 N.W. 3600 ST. 33309 GARDENS, FL 33166
 Phone: (305) 871-1530 Fax: (305) 871-1531
 WALTER A. TILLIT, Jr., P.E.
 FLORIDA Lic. # 44167

STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 12/5/2023

P.E. SEAL/SIGNATURE/DATE



NOTES ON (2A) (2B)

COMP.#	EXISTING STRUCTURE	EDGE DISTANCE (E.D) AND MAX SPACING.	EMBODMENT
(2A)	1/8" ALUMINUM (Fy=16 Ksi) OR STEEL (Fy=33Ksi)	3/4" E.D 6" O.C SPACING.	3 THREADS PASSED PROFILE THICKNESS
(2B)	f'c= 3Ksi CONCRETE OR G=0.55" WOOD (2 X MIN.)	2 1/2" E.D 6" O.C SPACING.	1 3/4": CONCRETE 1 1/2": WOOD

SECTION A-A: CASE I
(GLAZING AND MOUNTING DETAIL):
+75,-75 psf PRESSURE RATING (A.S.D)
SCALE: N.T.S

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

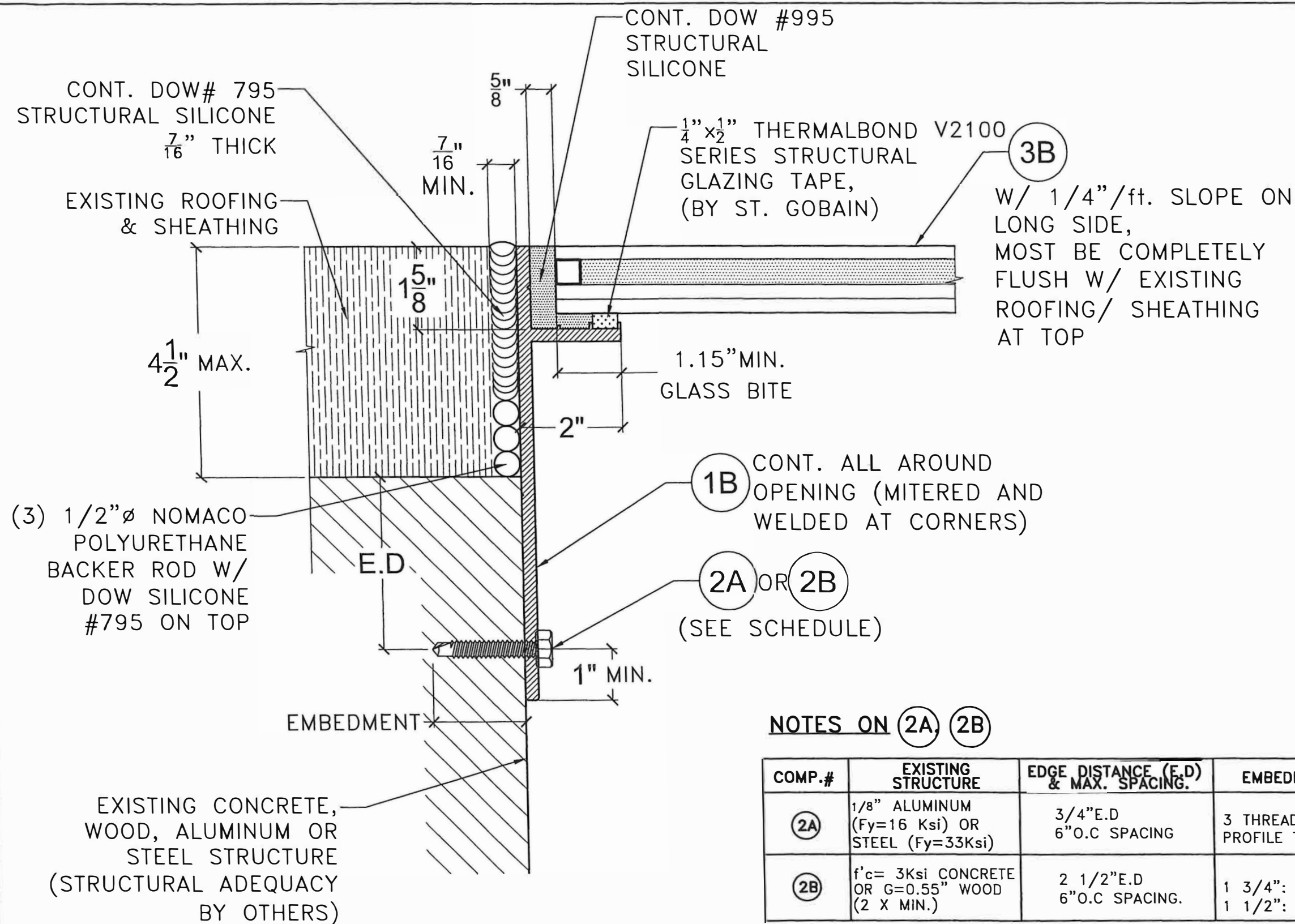
W.H. DRAWN BY: 7/14/2023 DATE: 23-096 DRAWING No. SHEET 3 OF 8

FLUSH GLAZED SKYLIGHT

SKYLIGHT CONCEPTS, Inc.
 4050 N.E. 9TH AVENUE, 9TH AVENUE
 OAKLAND PARK, FL 33334
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TILECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6355 N.W. 36th ST., SUITE 100, FORT LAUDERDALE, FL 33309
 Phone: (305) 771-1530 Fax: (305) 871-1531
 WALTER A. TILLIT JR., P.E.
 FLORIDA Lic. # 44167

STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 WALTER A. TILLIT JR.
 No. 44167
 SEAL/SIGNATURE/DATE



NOTES ON 2A, 2B

COMP.#	EXISTING STRUCTURE	EDGE DISTANCE (E.D) & MAX. SPACING.	EMBEDMENT
2A	1/8" ALUMINUM (Fy=16 Ksi) OR STEEL (Fy=33Ksi)	3/4"E.D 6"O.C SPACING	3 THREADS PASSED PROFILE THICKNESS
2B	f'c= 3Ksi CONCRETE OR G=0.55" WOOD (2 X MIN.)	2 1/2"E.D 6"O.C SPACING.	1 3/4": CONCRETE 1 1/2": WOOD

SECTION B-B: CASE I
(GLAZING AND MOUNTING DETAIL)
+75,-75 psf PRESSURE RATING (A.S.D)
SCALE: N.T.S

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

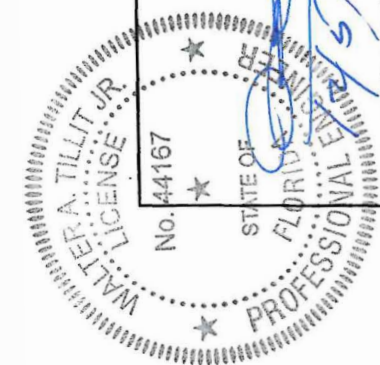
FLUSH GLAZED SKYLIGHT

SKYLIGHT CONCEPTS, Inc.

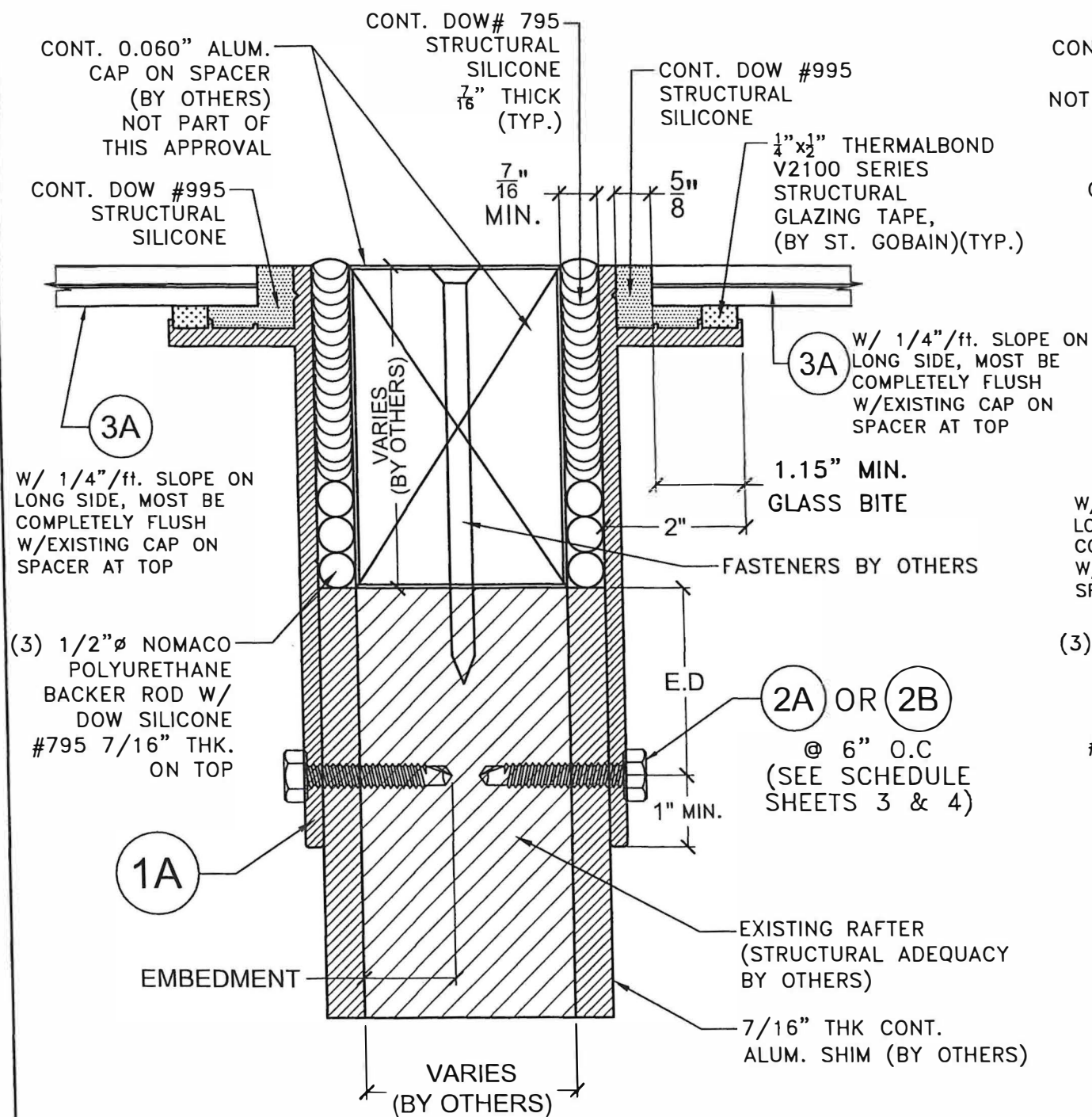
4050 N.E. 9TH AVENUE 9TH AVENUE
OAKLAND PARK, FL 33334
ph:(954) 776-7616

DATE: 7/14/2023
DRAWING No. 23-096
SHEET 4 OF 8

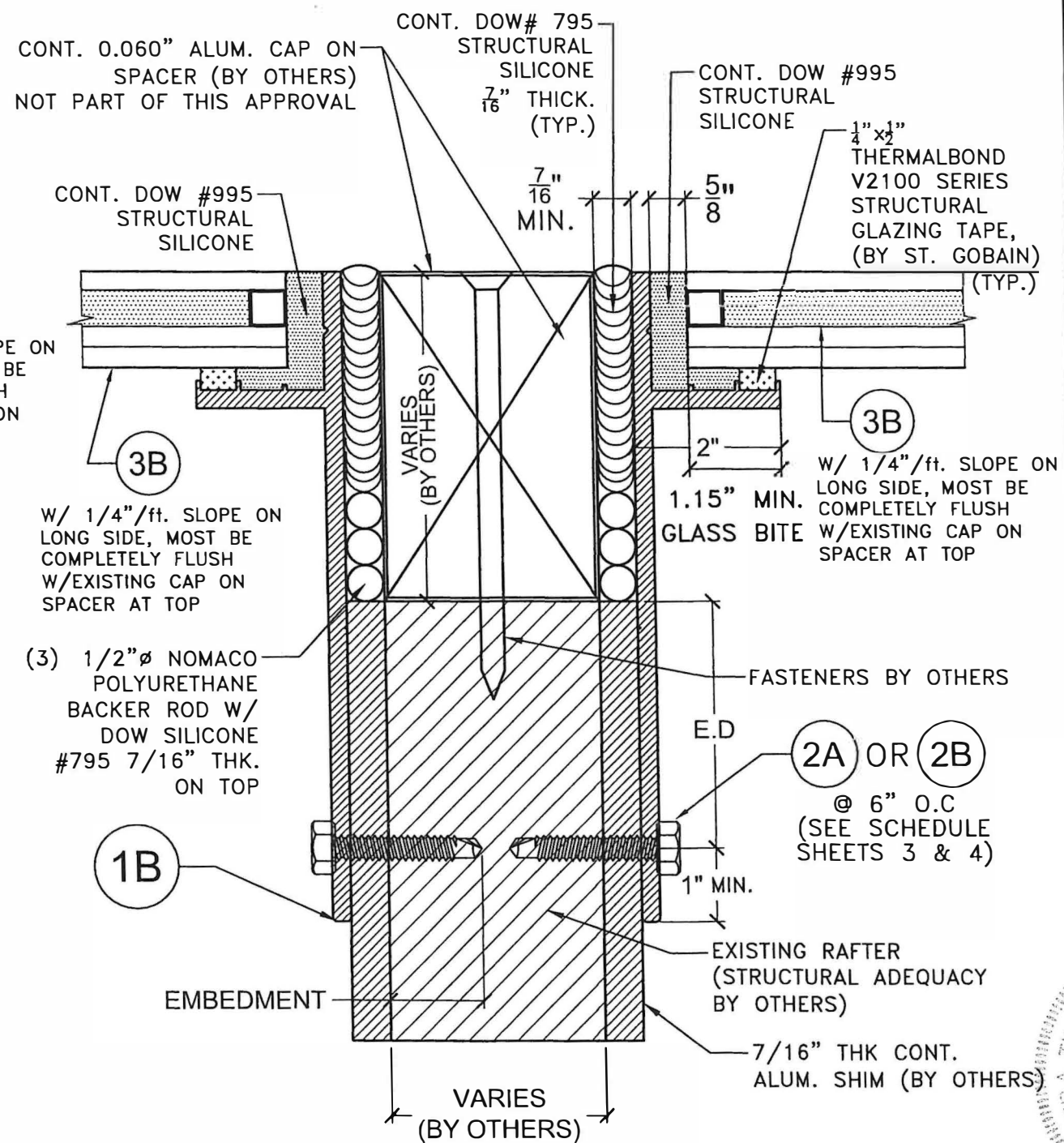
TITLECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th Ave., Suite 1350, Fort Lauderdale, FL 33366
Phone: (305) 551-1350 Fax: (305) 871-1531
CA-0006719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167



P.E. SEAL/SIGNATURE/DATE



SECTION C-C: CASE I
(GLAZING AND RAFTER MOUNTING DETAIL)
+75,-75 psf PRESSURE RATING (A.S.D)
SCALE: N.T.S

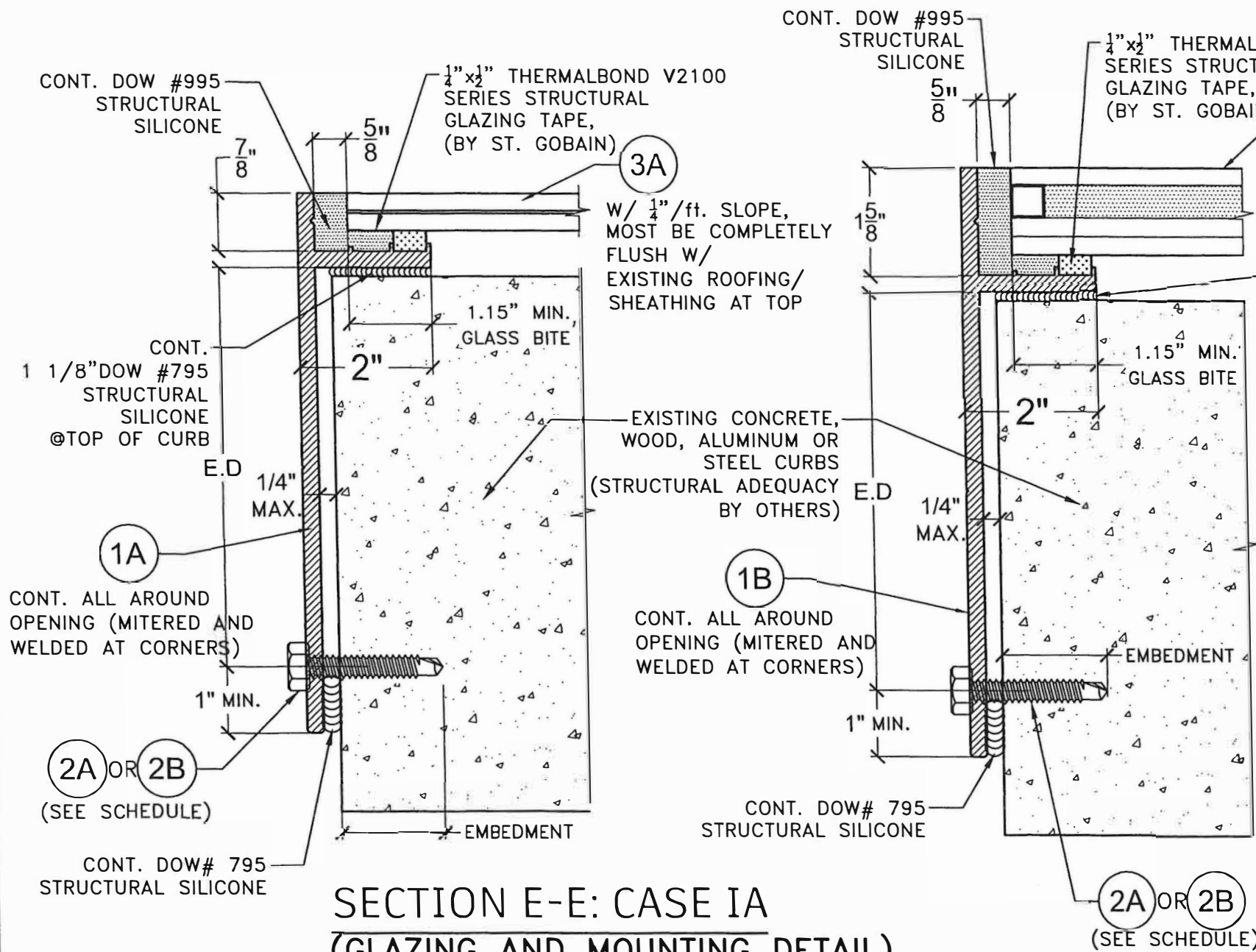


SECTION D-D: CASE I
(GLAZING AND RAFTER MOUNTING DETAIL)
+75,-75 psf PRESSURE RATING (A.S.D)
SCALE: N.T.S

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)		W.H. DRAWN BY: 7/14/2023 DATE: 23-096 DRAWING No. SHEET 5 OF 8	
FLUSH GLAZED SKYLIGHT		SKYLIGHT CONCEPTS, Inc. 4050 N.E. 8TH AVENUE 9TH AVENUE OAKLAND PARK, FL 33334 PH: (854) 776-7616	
REV. NO.	DESCRIPTION	DATE	REV. NO.
1	QUD 22-024	7/14/23	3
2	COMPONENTS ② & ③	12/7/23	4

TILECO INC.
 TILTIT TESTING & ENGINEERING COMPANY
 6355 W. 34th St. #305, VIRGINIA GARDENS, FL 33186
 Phone: (305) 971-1330 Fax: (305) 971-1531
 CA-0006719 WALTER A. TILIT Jr., P.E.
 FLORIDA Lic. # 44167

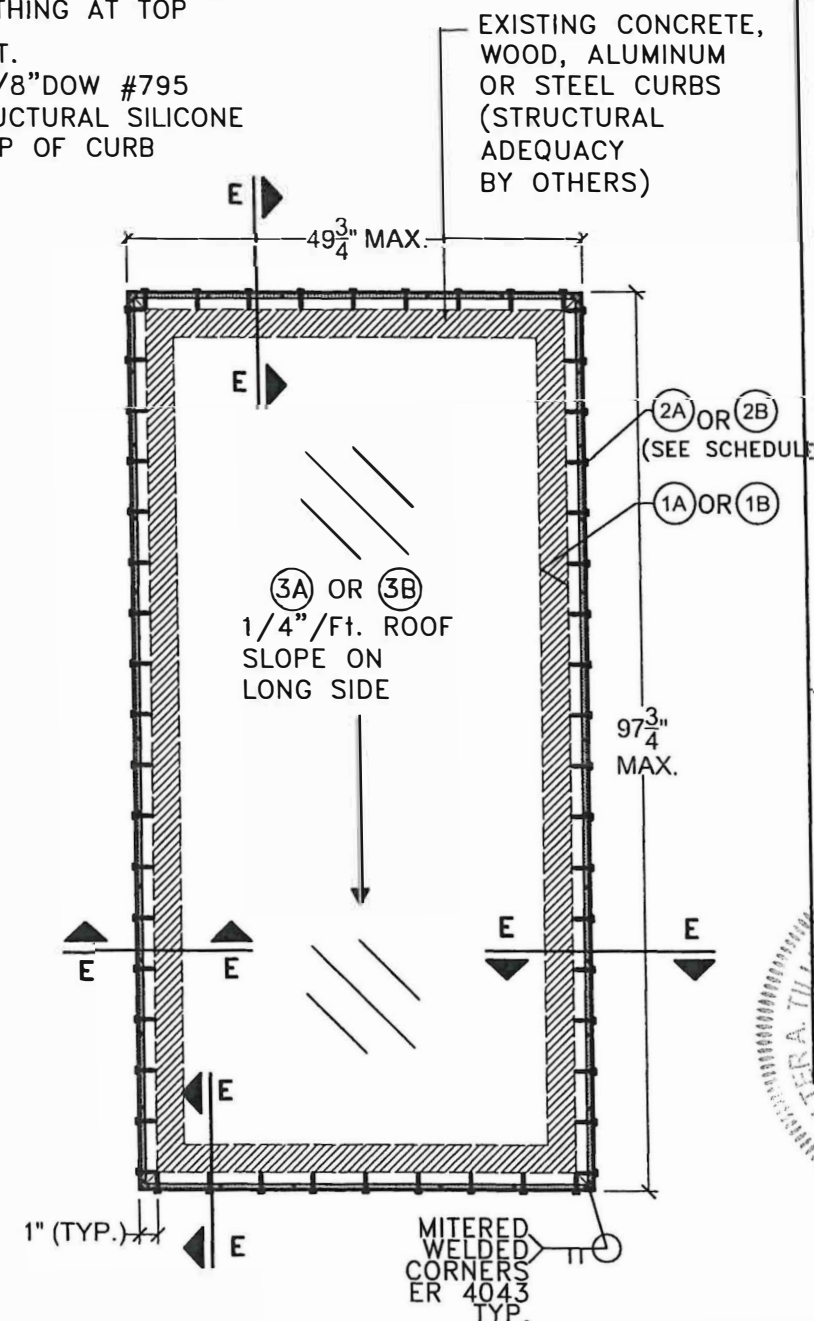
STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 No. 44167
 WALTER A. TILIT JR.
 RE: SEAL/SIGNATURE/DATE



SECTION E-E: CASE IA
(GLAZING AND MOUNTING DETAIL)
+75, -75 psf PRESSURE RATING (A.S.D)
SCALE: N.T.S

NOTES ON (2A), (2B)

COMP.#	EXISTING STRUCTURE	EDGE DISTANCE (E.D.) & MAX. SPACING.	EMBEDMENT
(2A)	1/8" ALUMINUM (Fy=16 Ksi) OR STEEL (Fy=33Ksi)	3/4" E.D 6" O.C SPACING	3 THREADS PASSED PROFILE THICKNESS
(2B)	f'c= 3Ksi CONCRETE OR G=0.55" WOOD (2 X MIN.)	2 1/2" E.D 6" O.C SPACING	1 3/4": CONCRETE 1 1/2": WOOD



TYPICAL SKYLIGHT PLAN
CASE IA: FLUSH MOUNT TO CURB'S EXTERIOR
+75, -75 psf PRESSURE RATING (A.S.D)

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

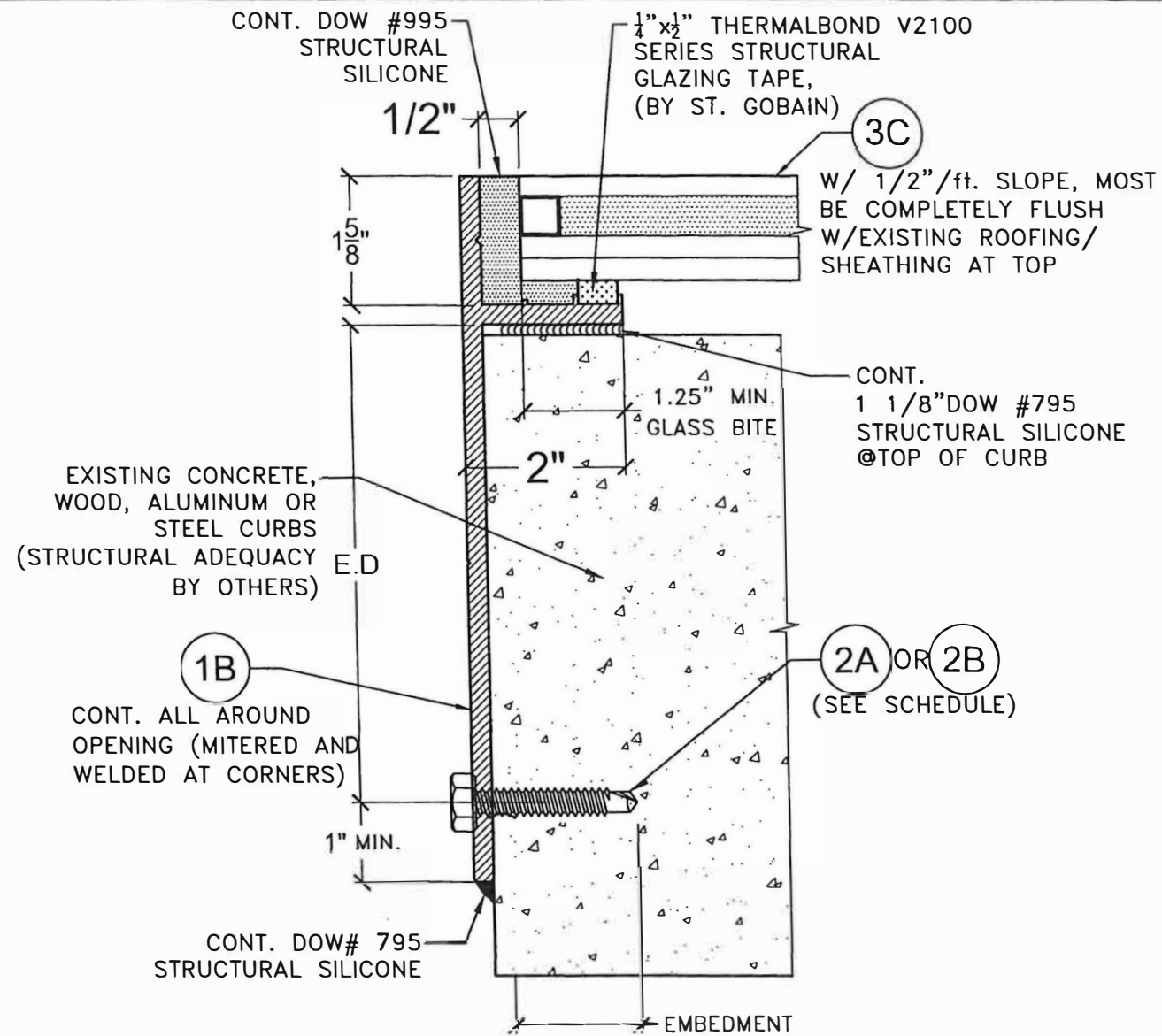
FLUSH GLAZED SKYLIGHT

W.H. DRAWN BY: 7/14/2023 DATE: 23-096 DRAWING No. SHEET 6 OF 8

SKYLIGHT CONCEPTS, Inc.
 4050 N.E. 9TH AVENUE, 9TH AVENUE
 OAKLAND PARK, FL 33334
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TILECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6555 N.W. 36TH AVENUE, SUITE 300, MIAMI, FL 33164
 PHONE: (305) 871-1530, FAX: (305) 871-1531
 WALTER A. TILLIT JR., P.E.
 FLORIDA Lic. # 44167

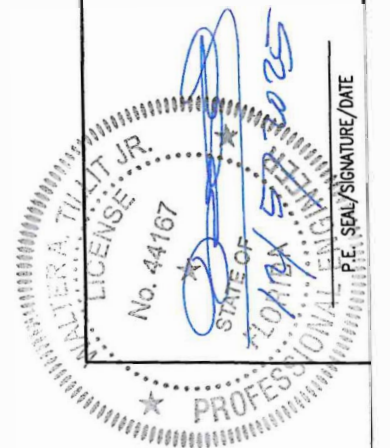
WALTER A. TILLIT JR.
 LICENSE No. 44167
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER



SECTION E-E: CASE II:
(GLAZING AND MOUNTING DETAIL)
+150,-150 psf PRESSURE RATING (A.S.D)
SCALE: N.T.S

NOTES ON (2A) (2B)

COMP.#	EXISTING STRUCTURE	EDGE DISTANCE (E.D) & MAX. SPACING.	EMBEDMENT
(2A)	1/8" ALUMINUM (Fy=16 Ksi) OR STEEL (Fy=33Ksi)	3/4" E.D 10"O.C SPACING	3 THREADS PASSED PROFILE THICKNESS
(2B)	f'c= 3Ksi CONCRETE	2 1/2" E.D 10"O.C SPACING	1 3/4": CONCRETE
(2B)	G=0.55 WOOD (2X MIN.)	2 1/2"E.D 10"O.C MAX.SPACING. @±75psf 5"O.C MAX.SPACING. @±150psf	1 1/2": WOOD



TILECO INC.
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CA-0006719
WALTER A. TILT JR., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

FLUSH GLAZED SKYLIGHT

W.H. DRAWN BY: 7/14/2023 DATE: 23-096 DRAWING NO. SHEET 8 OF 8

SKYLIGHT CONCEPTS, Inc.
4280 NE 9TH AVENUE 9TH AVENUE
OAKLAND PARK, FL 33334
ph: (954) 776-7616

REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	OLD 22-024	7/14/23	3	51-57 CASE II	12/9/23
2	COMPONENTS @ ±	12/26/23	4		