

GENERAL NOTES:

1. THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) APPLIES ONLY TO THE WALL PANEL SYSTEM INDICATED AND SPECIFIED ON THIS DRAWING, AND HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2023 (8th EDITION) OF THE FLORIDA BUILDING CODE.
- DESIGN WIND LOADS TO OBTAIN A BUILDING PERMIT SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, USING ASCE 7-22 AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON THIS SHEET.
- 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 THIS SHEET.
- DESIGN DEAD AND LIVE LOADS SHALL BE DETERMINED IN ACCORDANCE WITH SECTIONS 1606 AND 1607 OF THE FLORIDA BUILDING CODE, AND AS PER ASCE 7-22 STANDARD.
2. PROVISIONS FOR BUILDING DIMENSIONS, DETAILS, UPLIFT, OVERTURNING, FOUNDATION, ROOF AND OTHER CONDITIONS WHERE WALL PANELS WILL BE INSTALLED SHALL BE DESIGNED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER OR ARCHITECT AND REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT IN ORDER TO ISSUE A PERMIT FOR CONSTRUCTION.
3. ALL ELECTRICAL, MECHANICAL DETAILS AND PARTS AND FIRE RATING PROVISIONS ARE NOT PART OF THIS EVALUATION AND SHALL BE PREPARED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER AND REVIEWED BY THE CORRESPONDING BUILDING DEPARTMENT IN ORDER TO ISSUE A PERMIT FOR CONSTRUCTION, BASED ON THE 2023 (8th EDITION) OF THE FLORIDA BUILDING CODE.
4. THIS PRODUCT COMPLIES WITH SECTIONS 2603.3 & 2603.4 OF THE FLORIDA BUILDING CODE.
5. ALL SCREWS SHALL BE CORROSION RESISTANT AS PER DIN 50018 WITH MIN. $F_y=92$ Ksi AND $F_u=120$ ksi & SHALL COMPLY WITH FLORIDA BUILDING CODE SECTION 2411.3.3.4.
6. ANCHORS TO CONCRETE FLOOR & FOUNDATION SHALL BE AS FOLLOWS:
- (A) COMPONENT # 4
- 3/8" ϕ DEWALT "SCREW BOLT" (SEE B.O.M. SHEET 2) WITH 3 1/2" MIN. EMBEDMENT & 4" MIN. EDGE DISTANCE INTO MIN. $f'_c=3$ Ksi CONCRETE.
- (B) COMPONENT # 4A
- 3/8" ϕ HILTI inc., GALVANIZED STEEL KWIK BOLT 3 W/ 3 1/2" MIN. EMBEDEMENT & 4" MIN. EDGE DISTANCE INTO MIN. $f'_c=3$ Ksi CONCRETE.
7. WALL PANEL SYSTEM IS DESIGNED TO BE INSTALLED AS AN EXTERIOR ONE STORY STRUCTURE BEARING WALL OR CURTAIN WALL:
- WHEN INSTALLED AS A BEARING WALL, PANEL SHALL BE Laterally supported by a concrete slab and foundation at the bottom, and roof trusses or rafters with sheathing at top, at a spacings not to exceed 24" on centers. wall connection to roof system shall be performed by a florida registered professional engineer or architect and reviewed by the structural plans examiner of the corresponding building department in order to issue a permit for construction. structural design shall include provisions for all loads developed at the joint between wall panels and roof system.
- WHEN INSTALLED AS A CURTAIN WALL, PANEL SHALL BE Laterally supported by concrete slabs/beams, wood or steel structural beams top & bottom. spacing between lateral support shall not exceed 24" on centers on buildings without a concrete slab at top. structural adequacy of existing building shall be verified by the permit holder.

MAXIMUM A.S.D. ALLOWABLES: OBTAINED THRU TESTING PERFORMED AS PER TAS 201, 202, 203 AND ASTM E-72, AS PER BLACKWATER TECHNICAL SERVICES INC. REPORT # BT-TIC-20-001

LARGE MISSILE IMPACT RESISTANT: 50 FT/SEC. MISSILE SPEED.

MAXIMUM PANEL HEIGHT: 120"

MAXIMUM PANEL WIDTH: $\pm 36"$ (FOR SOLID PANELS)

MAXIMUM A.S.D. COMPRESSION LOAD PER PANEL: 1800Lb (ONLY SOLID PANELS)

= 600 Lb/Ft

1320 Lb (PANELS WITH OPENINGS)

= 440 Lb/Ft

MAXIMUM A.S.D. TENSION LOAD PER PANEL: 1800 Lb (ONLY SOLID PANELS)

= 600 Lb/Ft

925 Lb (PANELS WITH OPENINGS)

= 308 Lb/Ft

MAXIMUM A.S.D. RACKING LOAD PER PANEL: 615 Lb (ONLY SOLID PANELS)

= 205 Lb/Ft *

MAXIMUM A.S.D DESIGN PRESSURE RATING PER PANEL: ± 80.0 psf

- * ONLY SOLID PANELS (WITH NO OPENINGS) SHALL BE CONSIDERED TO RESIST THE RACKING FORCES, COMPRESSION AND TENSION LOADS.
8. ELECTRIC SERVICE DROP CONDUCTORS OR ANY OVERHEAD WIRING SHALL NOT EXIST OR BE INSTALLED OVER ANY PART OF THIS STRUCTURE.
9. (a) THIS P.E.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- (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 MODIFIED.
- (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 A 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 THAT PREPARED IT.

10. PRODUCT MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT PRODUCT IN ACCORDANCE WITH SECTION 1703.5 OF THE FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY PANEL.

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

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

CasArmor Exterior Wall Panel System

CasArmor, LLC
2525 Opa-Locka Blvd
Opa-Locka, FL 33054

DATE: 08/17/23
DRAWING NO: 23-189
SHEET 1 OF 10

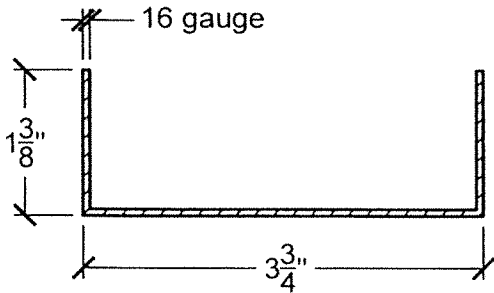
©2023 TILECO, INC.

TILECO inc.
TILIT TESTING & ENGINEERING COMPANY
6335 A.W. Way, St. St. 303, Virginia Beach, VA 23146
Phone: (757) 491-1330 Fax: (757) 491-1331
www.tileco.com
CA-0008718
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

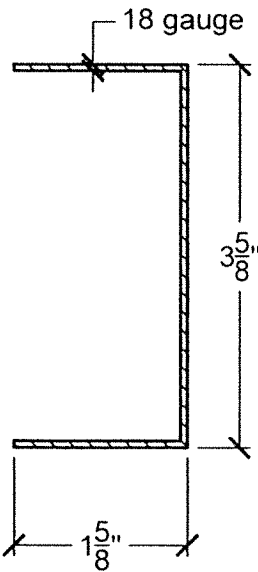
WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
P.E. SEAL/SIGNATURE/DATE

BILL OF MATERIALS

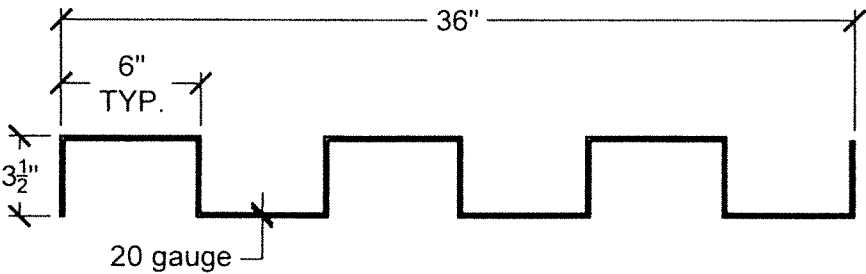
COMPONENT No.	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
①.	TOP & BOTTOM TRACK	3 3/4" X 1 3/8" X 16 GAUGE	ASTM A-653 GRADE 33 G-60 GALV. STEEL	-	USE HORIZONTALLY TOP AND BOTTOM
②.	CHANNEL REINFORCEMENT	3 5/8" X 1 5/8" X 18 GAUGE CHANNEL	ASTM A-653 GRADE 33 G-60 GALV. STEEL	-	VERTICAL REINFORCEMENT FOR ③ @ ENDS
③.	WALL PANEL	3 1/2" X 20 GAUGE 36" WIDE	ASTM A-653 GRADE 33 G-60 GALV. STEEL	-	WALL PANEL
④.	SCREW BOLT FOR ② INTO EXISTING POURED CONCRETE	3/8"ø	CASE HARDENED LOW CARBON STEEL, Fy=74 Ksi, Fu=92.5 Ksi MECHANICALLY GALVANIZED ZINC PLATED PER ASTM B 695 CLASS 55	DEWALT	3 1/2" MIN, EMBEDMENT INTO EXISTING POURED CONCRETE W/4" MIN. EDGE DISTANCE. SEE DETAILS SHEETS 5 & 8
④A.	KWIK BOLT 3 FOR ② INTO EXISTING POURED CONCRETE	3/8"ø	STAINLESS STEEL 304 SERIES	HILTI inc.	3 1/2" MIN, EMBEDMENT INTO EXISTING POURED CONCRETE W/4" MIN. EDGE DISTANCE. SEE DETAILS SHEETS 5 & 8
⑤.	FASTENER FOR ③, ② & ①	#12 X 3/4" F.H. SELF DRILLING SCREW	COATED STEEL, GRADE 5	ITW/BUILDEX	USE TO SCREW ① ② & ③
⑥.	APPROVED INTERIOR FOAM INSULATION	1" THICK AT FRONT, 3" AT ③	EPS/EXPANDED POLYSTYRENE TYPE 1 (1 p.c.f.) DENSITY	DYPLAST PRODUCT OR APPROVAL EQUAL	INCLUDES (6) CUTS TO FIT ③ AND WHOLE SHEET AT FRONT
⑦.	EXTERIOR STUCCO	1/4" THICK STUCCO MAX"	NON PORTLAND CEMENT BASED EXTERIOR WALL FINISH COATING	GIGACRETE INC.	USE W/ (1) 11 OUNCE/Yd FIBERGLASS MESH AT MID-THICKNESS, APPLY OVER ⑥ SEE SHEET 3 FOR SPECS
⑦A.	EXTERIOR ARTISAN LAP SIDING	8 1/4" X 5/8" THICK	NON ASBESTOS FIBER CEMENT TESTED PER ASTM C1186 GRADE II TYPE A	JAMES HARDIE BUILDING PRODUCTS	SEE DETAIL FOR ADDITIONAL COMPONENTS ON INSTALLATION SHEET 3
⑦B.	EXTERIOR REVEAL® FIBER CEMENT SIDING PANELS	4' X 8' X 7/16" THICK	NON ASBESTOS FIBER CEMENT TESTED PER ASTM C1186 GRADE II TYPE A	JAMES HARDIE BUILDING PRODUCTS	SEE DETAIL FOR ADDITIONAL COMPONENTS INSTALLATION ON SHEET 3
⑧.	FASTENER & WASHER PLATE FOR ⑥	FASTENER: #12x2"(MIN.) TEK SCREW PLATE: 3"ø	FASTENER: F.H W/CR COATING PLATE: GALVANIZED	GAF	N.O.A # 15-1020.06 USE @ 6" O.C LONGITUDINALLY & 12" O.C VERTICALLY ACROSS PANEL



① TOP & BOTTOM TRACK



② CHANNEL REINFORCEMENT



③ WALL PANEL
N.T.S

COMPONENTS
N.T.S

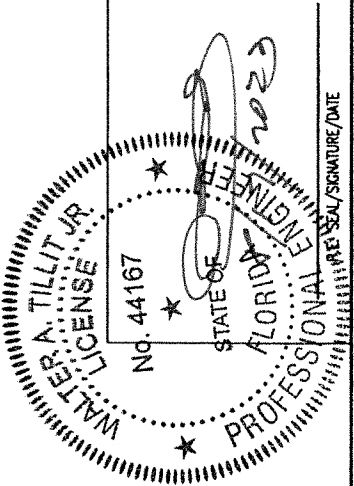
FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

CasArmor Exterior Wall Panel System

CasArmor, LLC
 2525 Opa-Locka Blvd
 Opa-Locka, FL 33054

TILTECO INC.
 TILT TESTING & ENGINEERING COMPANY
 6335 N.W. 34th St., Ste. 304, Virginia Gardens, FL 33146
 Phone: (305) 971-1330 Fax: (305) 971-1331
 Email: info@tilteco.com
 CA-0000719
 WALTER A. TILLIT JR., P.E.
 FLORIDA Lic. # 44167

Y.M. DRAWN BY: 08/17/23 DATE: 23-189 DRAWING No. SHEET 2 OF 10



SPECIFICATIONS & APPLICATION SEQUENCE FOR EXTERIOR STUCCO ⑦
ON WALL PANELS.

(1) **STUCCO MAX:** EXTERIOR ONE COAT STUCCO OVER EPS FOAM

(1.1) **DESCRIPTION:**

STUCCOMAX IS A TRULY GREEN NON PORTLAND CEMENT BASE EXTERIOR WALL FINISH COATING. ITS HIGH EARLY STRENGTH IS ACHIEVED IN LESS THAN 24 HOURS AND FAST SETTING QUALITIES ENABLE THE FINISH TO BE APPLIED WITHIN A SINGLE WORK DAY. STUCCOMAX UTILIZES FIBERGLASS MESH TO FURTHER ENHANCE ITS INHERENT ABUSE RESISTANT QUALITIES IN THIN APPLICATIONS.

(1.2) **USES:**

STUCCOMAX IS APPLIED TO EXTERIOR WALLS IN RESIDENTIAL, COMMERCIAL AND INDUSTRIAL INSULATED CONCRETE CONSTRUCTION (ICF) AND OTHER BUILDING SYSTEMS THAT UTILIZE EXPANDED POLYSTYRENE (EPS). STUCCOMAX IS ALSO USED AS A WATERPROOF BARRIER. THE PRODUCT CAN BE PAINTED OR STAINED, FINISHED IN NUMEROUS TEXTURES. INTEGRAL COLORS ARE NO YET AVAILABLE.

(1.3) **ADVANTAGES:**

STUCCOMAX SETS AND CURES IN A FRACTION OF THE TIME OF CONVENTIONAL PORTLAND CEMENT PRODUCTS PROVIDING QUICK JOB TURN AROUND.

(1.4) **JOB SITE CONDITIONS**

- (1.4.1) **WEATHER:** STUCCOMAX SHALL BE APPLIED IN AMBIENT AIR TEMPERATURES ABOVE 32°F AND RISING AND REMAIN ABOVE 32°F FOR A 24 HOUR PERIOD. AVOID INSTALLING IN EXCESSIVE HEAT ABOVE 85°F UNLESS PRECAUTIONS ARE MADE TO AVOID RAPID HYDRATION. DO NOT APPLY STUCCOMAX DURING INCLEMENT WEATHER OR WHEN INCLEMENT WEATHER IS INEVITABLE UNLESS APPROPRIATE WEATHER PROTECTION IS USED.
- (1.4.2) **DIRECT SUNLIGHT:** WHENEVER POSSIBLE, AVOID INSTALLING STUCCOMAX IN DIRECT SUNLIGHT. DIRECT SUNLIGHT REDUCES WORKING TIME AND MAY PROMOTE PREMATURE SURFACE HYDRATION. SHADE THE WORK AREA IF NECESSARY TO AVOID SUN/SHADE LINES FROM THE COATING ITSELF. MISTING THE WORK AREA IN DRY CONDITIONS WILL INCREASE THE RELATIVE HUMIDITY (35% MINIMUM) AND HELP THE MATERIALS FROM PREMATURE HYDRATION. WET CURING FOR AT LEAST 3 HOURS IS RECOMMENDED AND MAINTAIN 35% MINIMUM RELATIVE HUMIDITY FOR 24 HOURS.

(1.5) **ACCESSORIES AND RELATED MATERIALS**

- (1.5.1) **SEALANTS:** PERIMETER SEALS AROUND WINDOW AND DOOR FRAMES AND ALL OTHER THROUGH WALL PENETRATIONS SHALL BE DESIGNED FOR 50% ELONGATION AND MINIMUM 25% COMPRESSION. APPROPRIATE SEALANT SHALL BE SELECTED BY THE ARCHITECT. PERIMETER SEAL JOINTS SHALL BE A MINIMUM WIDTH OF $\frac{1}{8}$ " AND UTILIZE A CLOSED-CELL POLYURETHANE FOAM BACKER ROD. JOINT DESIGN AND ASSOCIATED PREPARATION SHALL BE BASED UPON THE SEALANT MANUFACTURE'S RECOMMENDATION.
- (1.5.2) **FLASHING:** FLASHING AROUND WINDOWS, DOORS CHIMNEYS, TRANSITIONS BETWEEN WALLS AND ROOF AND AT OTHER POINTS SPECIFIED SHALL BE CONTINUOUS AND WATERTIGHT. FLASHING SHALL BE DESIGNED AND INSTALLED TO PREVENT WATER INFILTRATION BEHIND THE STUCCOMAX SYSTEM.
- (1.5.3) **JOINTS:** EXPANSION JOINTS ARE INSTALLED AT ALL AREAS WHERE MOVEMENT IS ANTICIPATED AND AT ALL BUILDING STRUCTURAL BRAKES. JOIN PLACEMENT SHALL BE SPECIFIED BY THE ARCHITECT AND SHOULD FOLLOW STANDARD PLASTER/STUCCO PRACTICES.
- (1.6) **SUBSTRATE PREPARATION**
- (1.6.1) **ALL FOAMS:** RASPING IS NECESSARY TO REMOVE POTENTIAL BOND BREAKERS AND TO ENSURE GOOD ADHESION. SURVEY THE SUBSTRATE FOR IRREGULARITIES THAT MAY ADVERSELY AFFECT THE APPLICATION SUCH AS MINOR PROTRUSIONS AND VOIDS CUT INTO THE EPS NEED TO BE FILLED PRIOR TO THE STUCCOMAX INSTALLATION. LOW EXPANSION SPRAY FOAM IS APPLIED INTO THE VOID, ALLOWED TO CURE AND SHAVED FLAT WITH THE SURFACE.
- (1.7) **MIXING**
- (1.7.1) **WATER:** MIXING WATER MUST BE POTABLE AND FROM A MUNICIPAL SOURCE. WATER TEMPERATURE SHOULD BE CONSIDERED AND ADJUSTED IF NECESSARY.
- (1.7.2) **MIXING:** POUR 4.5 QUARTS OF WATER INTO THE MIXING BUCKET AND BEGIN TO ADD STUCCOMAX. BEGIN MIXING WHILE SLOWLY ADDING IN REMAINING STUCCOMAX BAG CONTENTS. MIX TIME IS APPROXIMATELY 3 MINUTES OR UNTIL A SMOOTH LUMP FREE CONSISTENCY IS MET. SMALL AMOUNTS OF WATER MAY BE ADDED TO ADJUST MATERIAL CONSISTENCY IF NECESSARY.
- (1.7.3) **EQUIPMENT:** H/D DRILLS WITH TYPICAL PLASTER MIXER ATTACHMENTS MAY BE USED. HAND HELD ERGONOMICALLY ENGINEERED MIXERS ARE ALSO ACCEPTABLE. AVOID EXCESSIVE HIGH SPEEDS AS THIS CAN CREATE HEAT AND ACCELERATE SETTINGS TIMES, REDUCING WORKABILITY.
- (1.7.4) **POT LIFE:** STUCCOMAX BUCKET LIFE IS APPROXIMATELY 20 MINUTES. PLAN THE INSTALLATION SO THAT EACH BATCH CAN BE CONVENIENTLY APPLIED WITHIN THIS TIME FRAME. RE TEMPERING BATCHES THAT ARE BEGINNING TO SET IS STRONGLY DISCOURAGED.
- (1.8) **SPRAY EQUIPMENT**
- STUCCOMAX MAY BE APPLIED BY HAND TROWEL, HOPPER GUN TEXTURE SPRAYER OR STUCCO/PLASTER TYPE SPRAY EQUIPMENT.

(1.9) **APPLICATION**

A FIRST $\frac{1}{8}$ " COAT OF STUCCOMAX IS DIRECTED APPLIED TO THE EPS AND WORKED FLAT. MESH IS EMBEDDED INTO THE FIRST COAT WORKING MATERIAL THROUGH WHILE ENSURING THAT THE MESH IS FLAT AND FREE OF WRINKLES. OVERLAP ADJOINING MESH

BY A MINIMUM OF 2.5" TO 4" IDEALLY. A SECOND PASS OF STUCCOMAX IS IMMEDIATELY APPLIED OVER THE MESH TO THE SPECIFIED THICKNESS. THIS IS A TRUE ONE COAT DOUBLE BACK (TWO PASS) METHOD THAT TYPICALLY RESULTS IN $\frac{1}{4}$ " OVERALL THICKNESS.

- (1.9.1) **MESH:** MESH GAUGE 11 OUNCE PER YARD ARE OVERLAPPED ON ALL EDGES A MINIMUM OF 2.5". APPLY MESH STRIPS ON ALL CORNERS OF DOORS AND WINDOWS WHERE CRACKING IS MOST LIKELY TO OCCUR. THESE ARE ALSO PRE-CUT "L" AND "T"

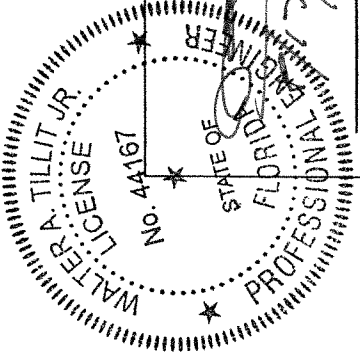
SHAPES AND IS AN INDUSTRY STANDARD CRACK REDUCER.

- (1.9.2) **TROWEL TIMING:** WORKING TIME DEPENDS ON MATERIAL VISCOSITY, TEMPERATURE AND HUMIDITY. GENERALLY, THE MATERIAL IS EASILY APPLIED IN APPROXIMATELY 20 MINUTES. TROWEL LINES AND APPLICATION IRREGULARITIES MAY BE FLATTENED WITHIN 20 MINUTES OF THE APPLICATION. WATER TROWELING WILL NOT HARM STUCCOMAX. DO NOT OVER TROWEL AS SURFACE BLISTERING MAY OCCUR. PLAN TO IMPROVE THE WALL PROFILE IN THE RELATIVE SHORT TERM.

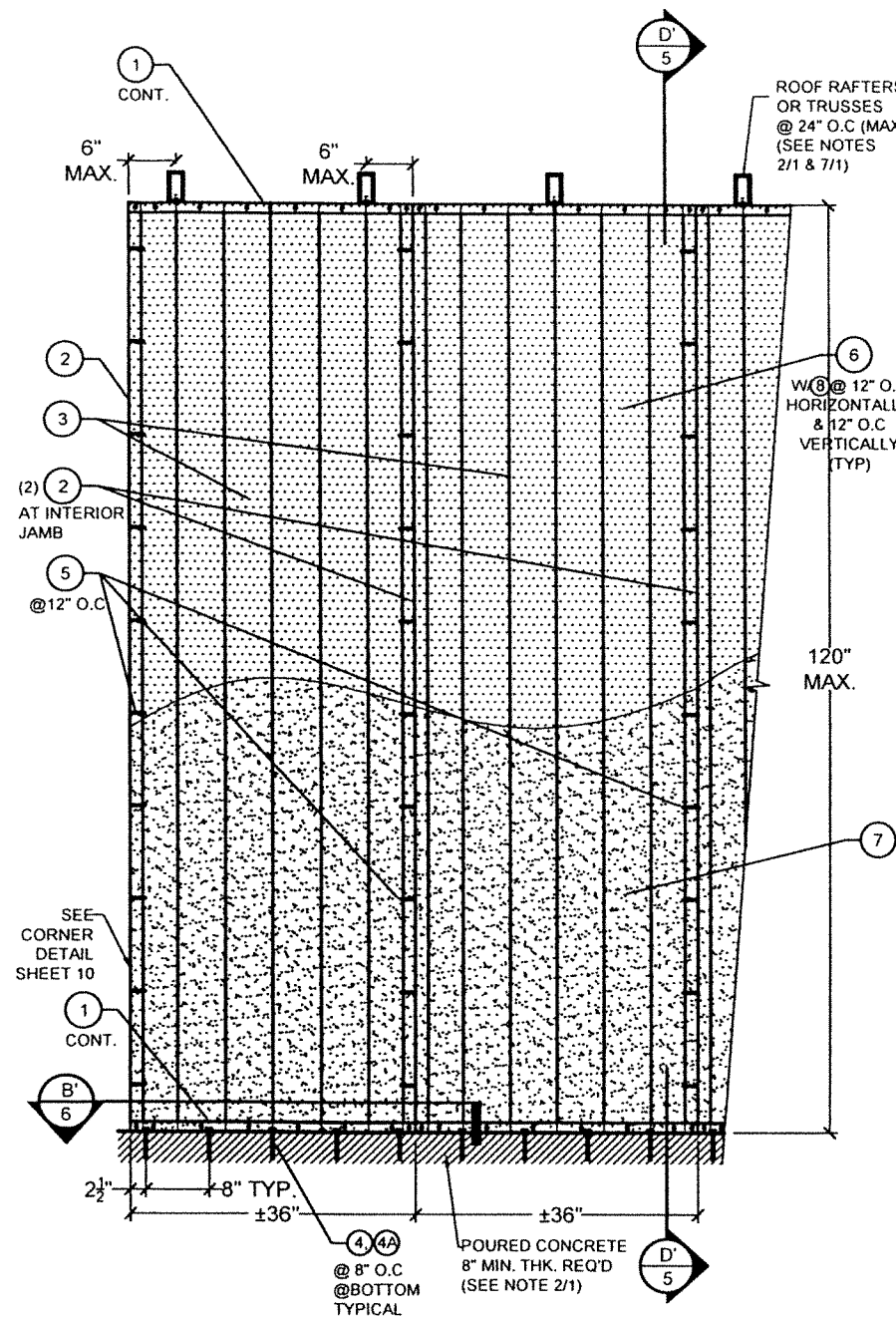
- (1.9.3) **SURFACE PROTECTION AND DECORATION**

- (1.9.4) **PAINT:** EXTERIOR MASONRY TYPE PAINT PRIMERS ARE RECOMMENDED PRIOR TO FINAL PAINT COAT. WASHING THE WALL SURFACE TO REMOVE ANY DUST OR CONTAMINANTS IS HIGHLY RECOMMENDED PRIOR TO ANY PAINTING. IF THE NATURAL STUCCOMAX IS PREFERRED IT SHOULD BE SEALED WITH A CLEAR NON STAINING SEALER WHICH WILL ASSIST REDUCING STAINS OR WATERMARKS CAUSED BY RAIN RUN-OFF.

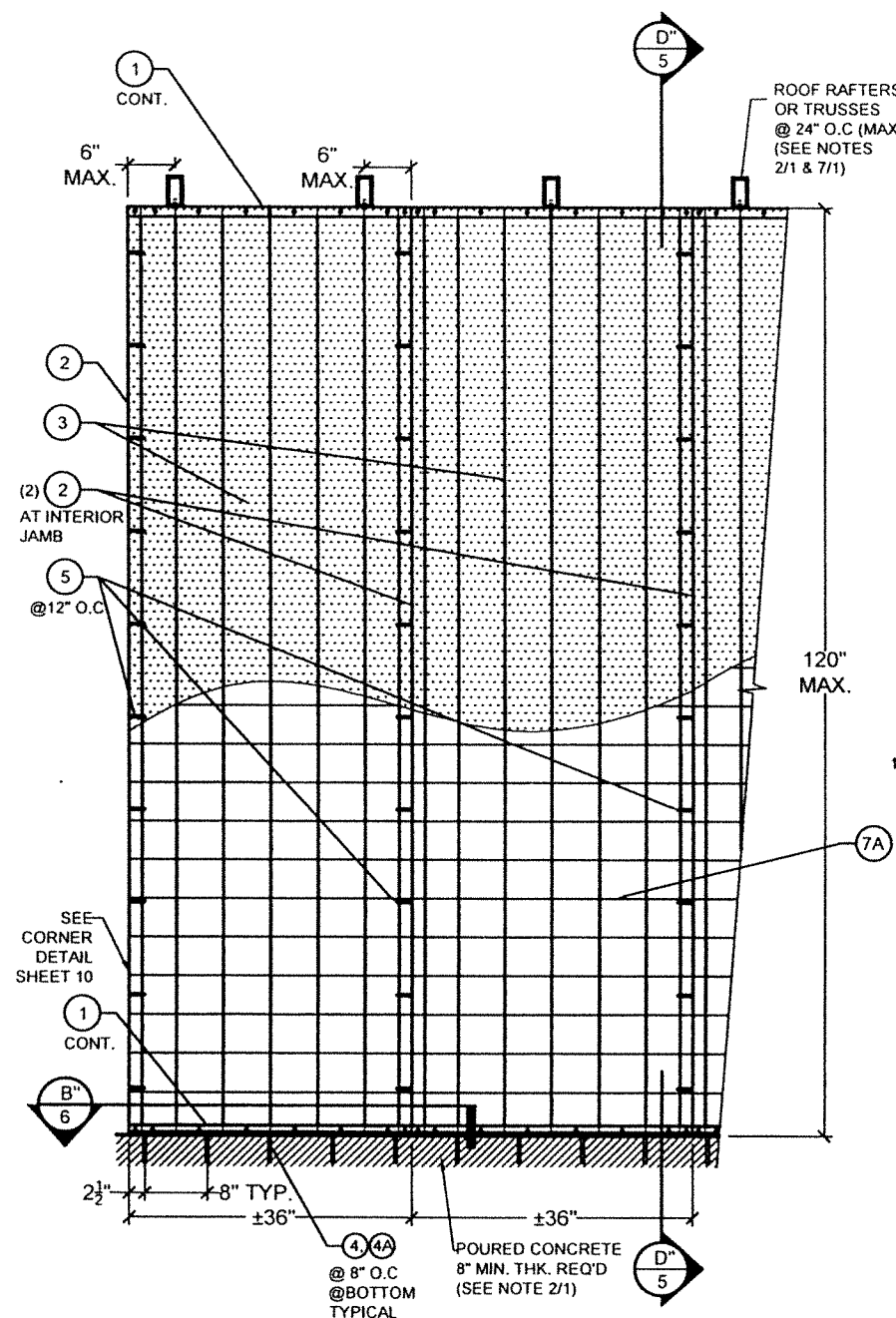
- (1.9.5) **CURING:** ENSURE THAT STUCCOMAX IS ALLOWED TO CURE IN TEMPERATURES WITHIN THE APPLICATION TEMPERATURE RANGE. MOIST CURING FOR 2 HOURS IS RECOMMENDED.



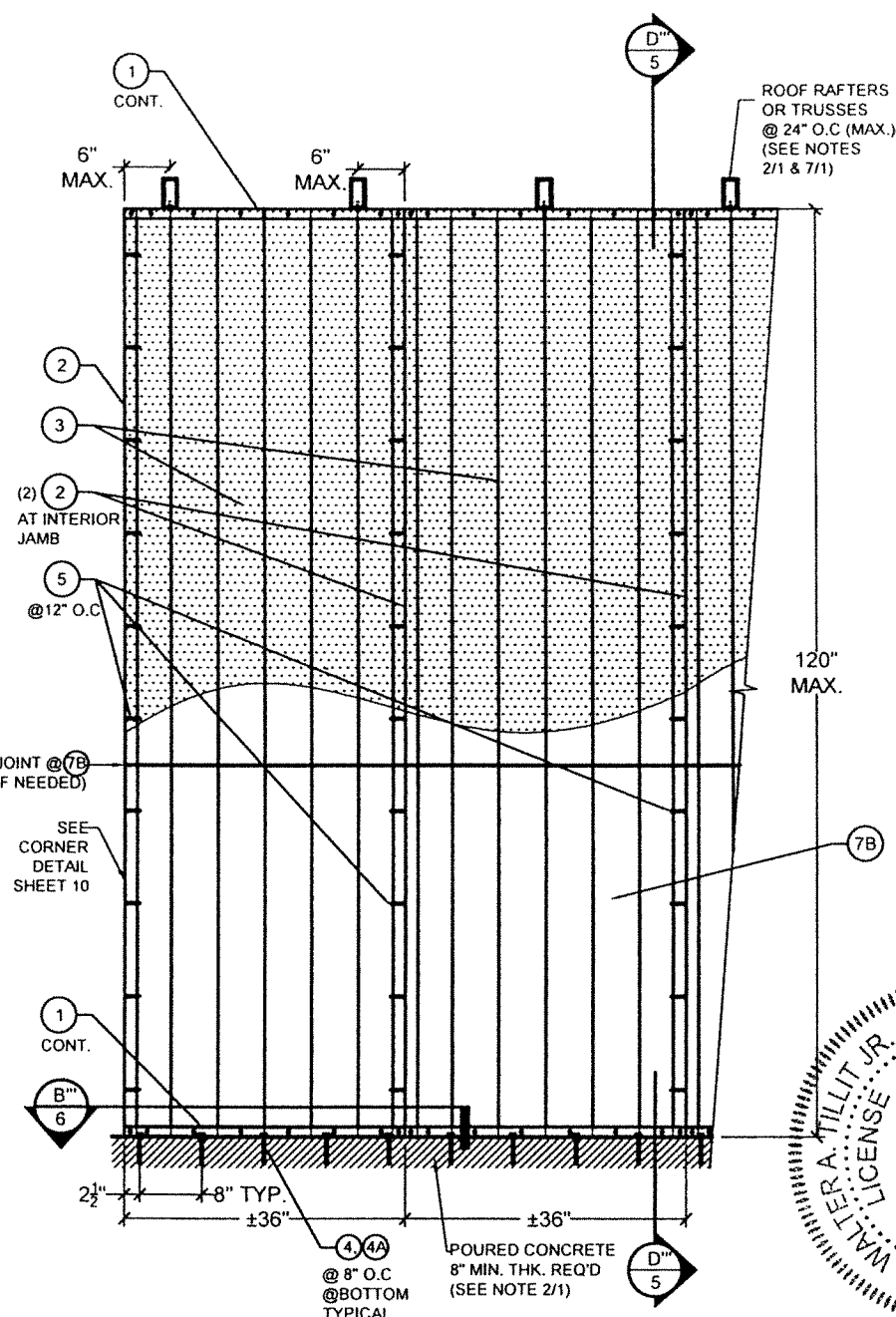
FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)	
Y.M. DRAWN BY: 08/17/23 DATE: 23-189 DRAWING NO.	Y.M. SHEET 3 OF 10
CasArmor Exterior Wall Panel System	
CasArmor, LLC 2525 Opa-Locka Blvd Opa-Locka, FL 33054	
TILECO INC. TILE TESTING & ENGINEERING COMPANY 2525 Opa-Locka Blvd, Suite 100 Opa-Locka, FL 33054 Phone: (800) 971-1530 Fax: (800) 971-1531 Email: info@tileco.com	
WALTER A. TILLIT JR., P.E. FLORIDA Lic. # 44167	



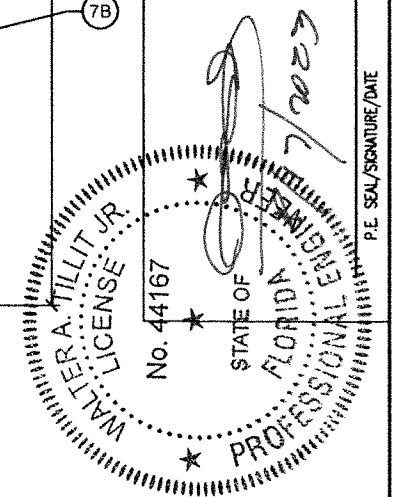
**TYPICAL SOLID PANELS
EXTERIOR ELEVATIONS W/ 7**
SCALE 1/2"=1'-0"



**TYPICAL SOLID PANELS
EXTERIOR ELEVATIONS W/ 7A**
SCALE 1/2"=1'-0"



**TYPICAL SOLID PANELS
EXTERIOR ELEVATIONS W/ 7B**
SCALE 1/2"=1'-0"



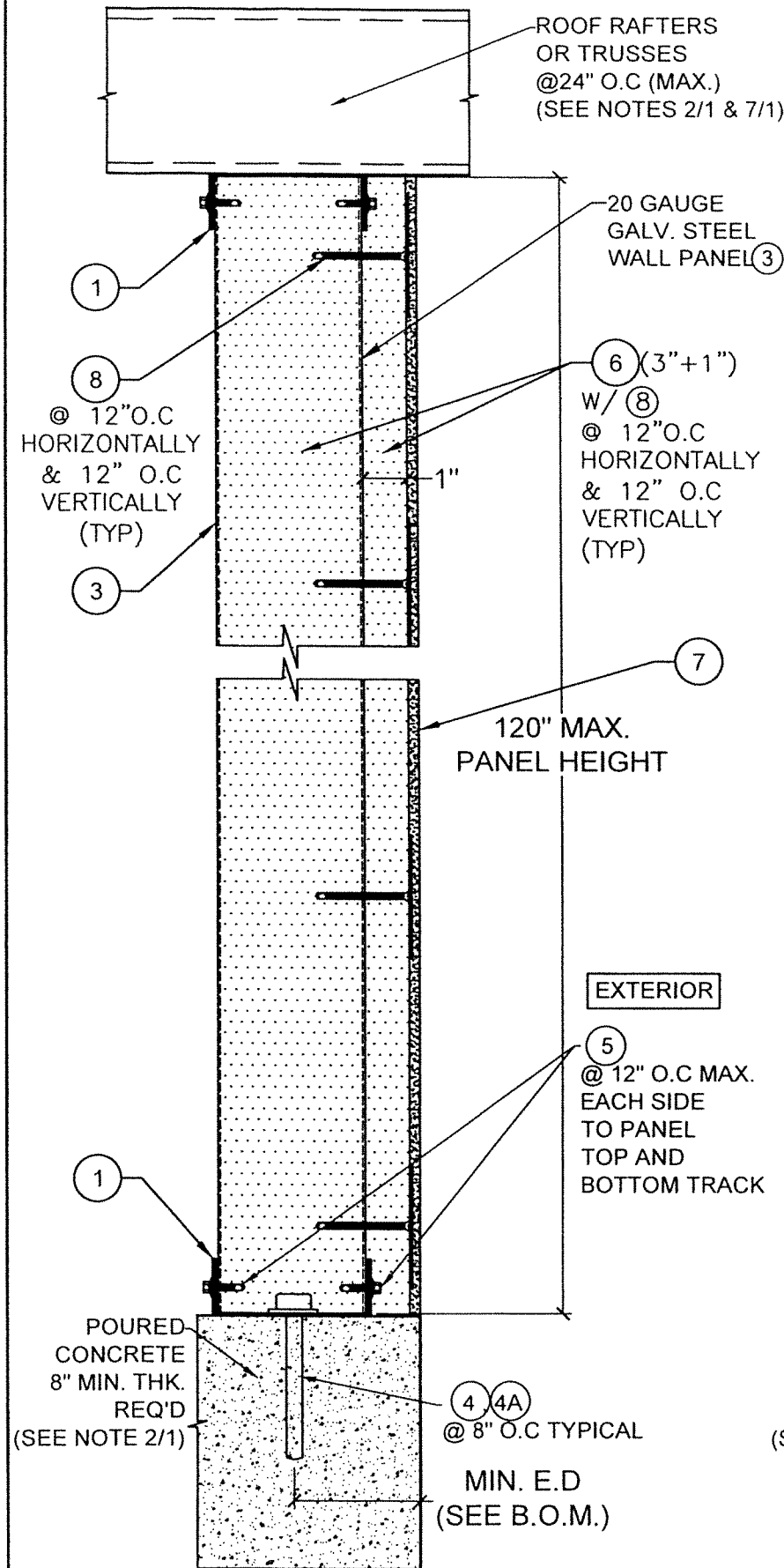
FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

CasArmor Exterior Wall Panel System

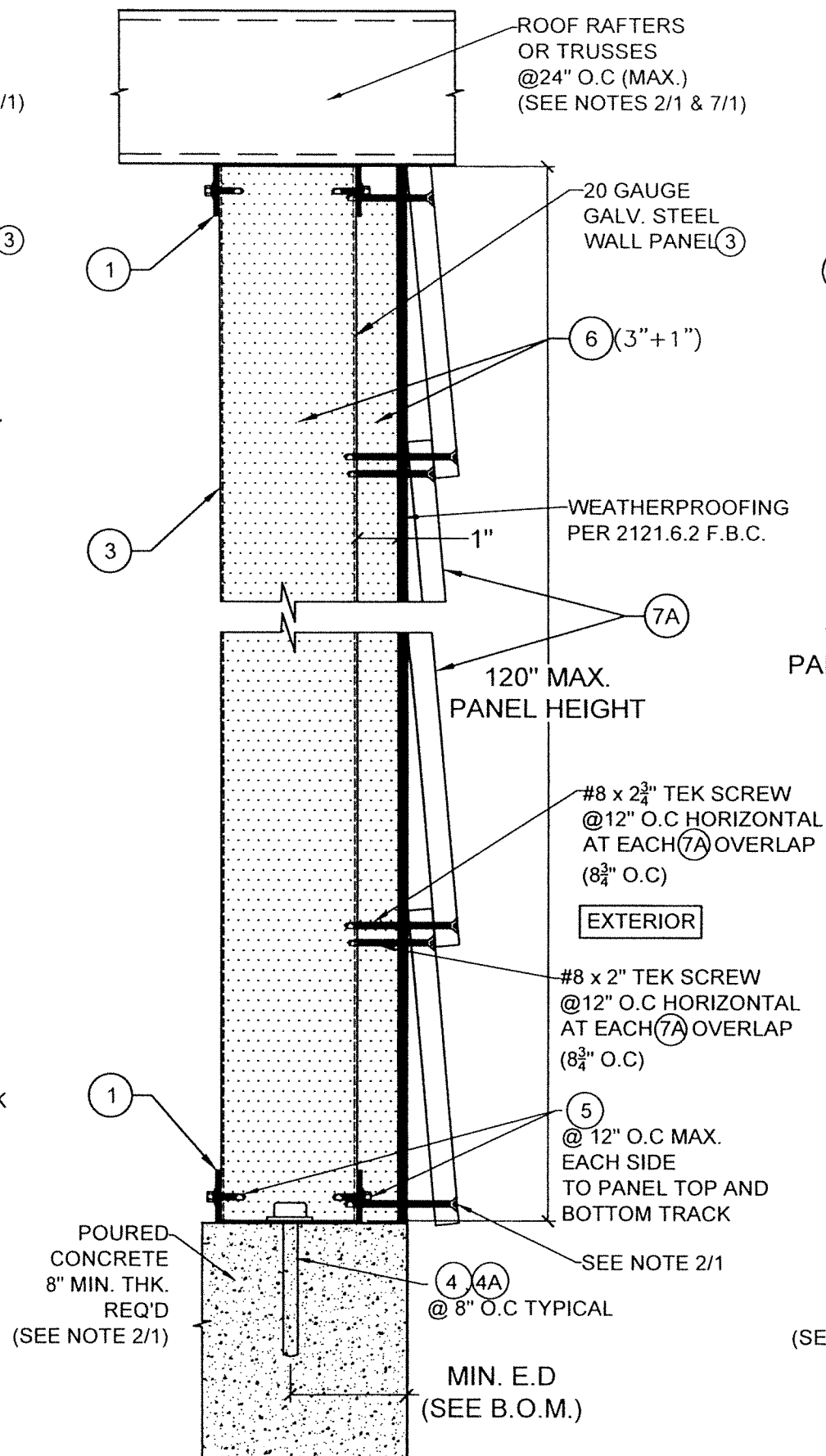
CasArmor, LLC
2525 Opa-Locka Blvd
Opa-Locka, FL 33054

TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
4335 Phyllis Dr., Suite 100
Phyllis, FL 33556
Phone: (602) 971-1330 Fax: (602) 971-1331
Email: info@tileco.com
WALTER A. TILLIT JR. P.E.
FLORIDA LIC. # 44167

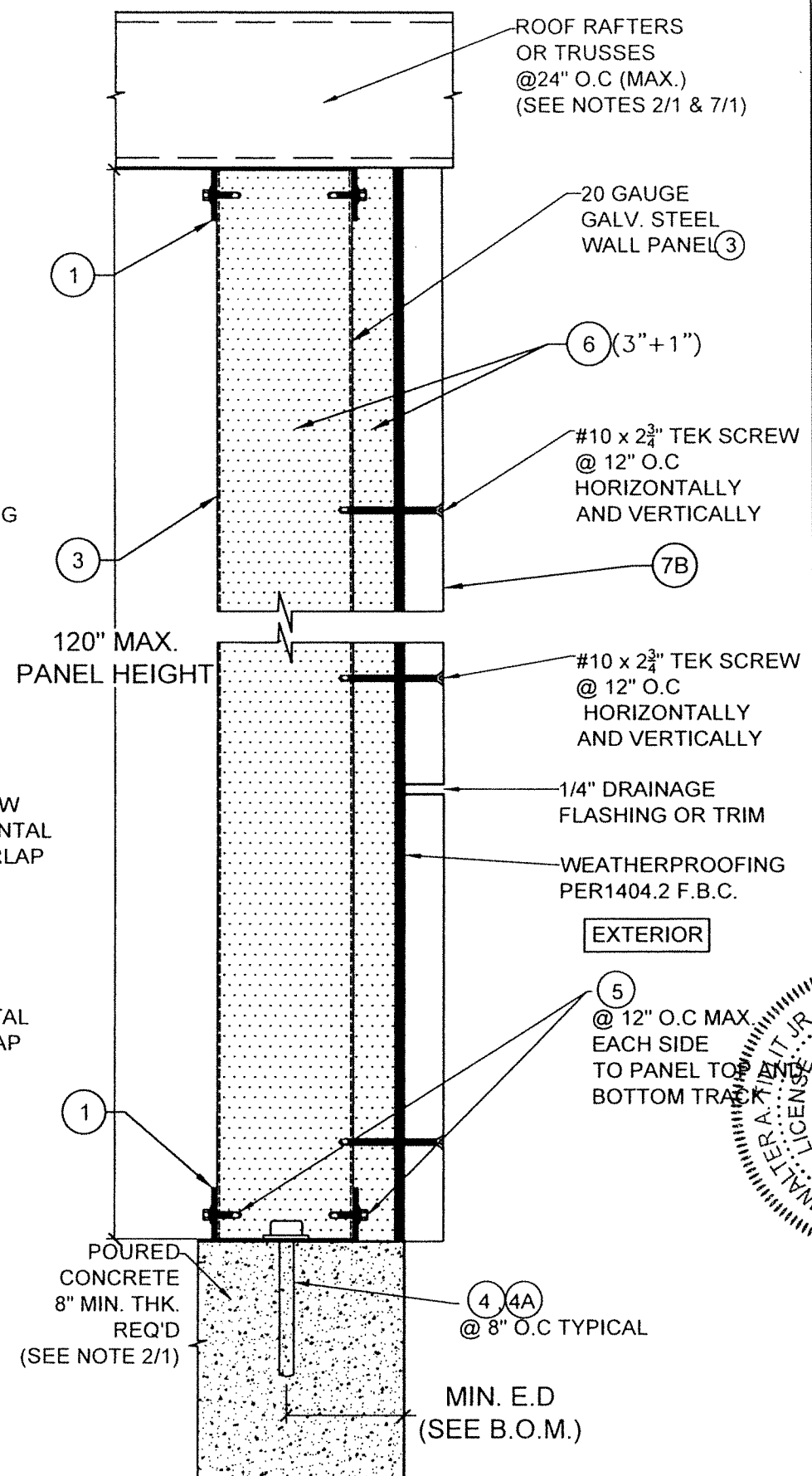
Y.M. DRAWN BY: 08/17/23
DATE: 23-189
DRAWING NO. SHEET 4 OF 10



SECTIONS D'-D'
SCALE: 1/4" = 0'-1"



SECTIONS D''-D''
SCALE: 1/4" = 0'-1"



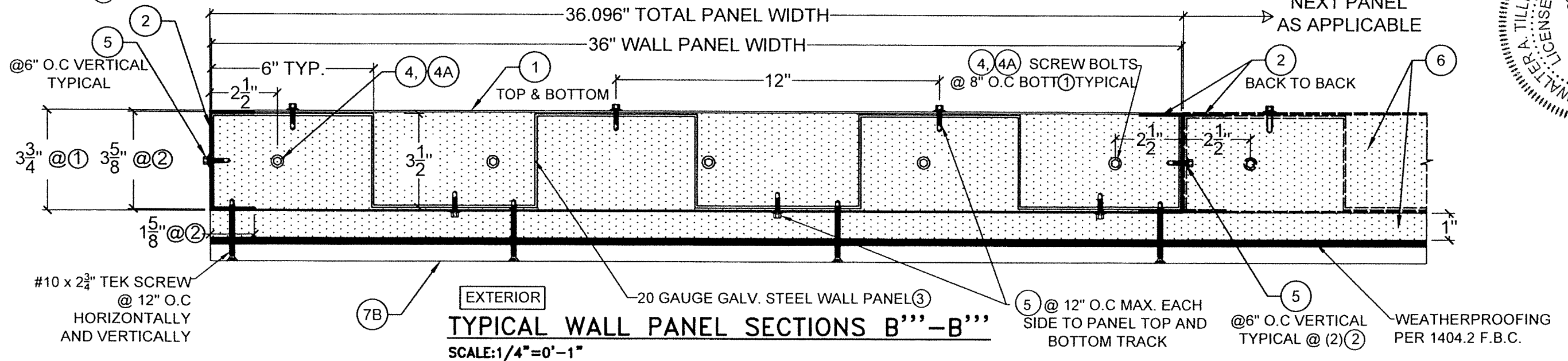
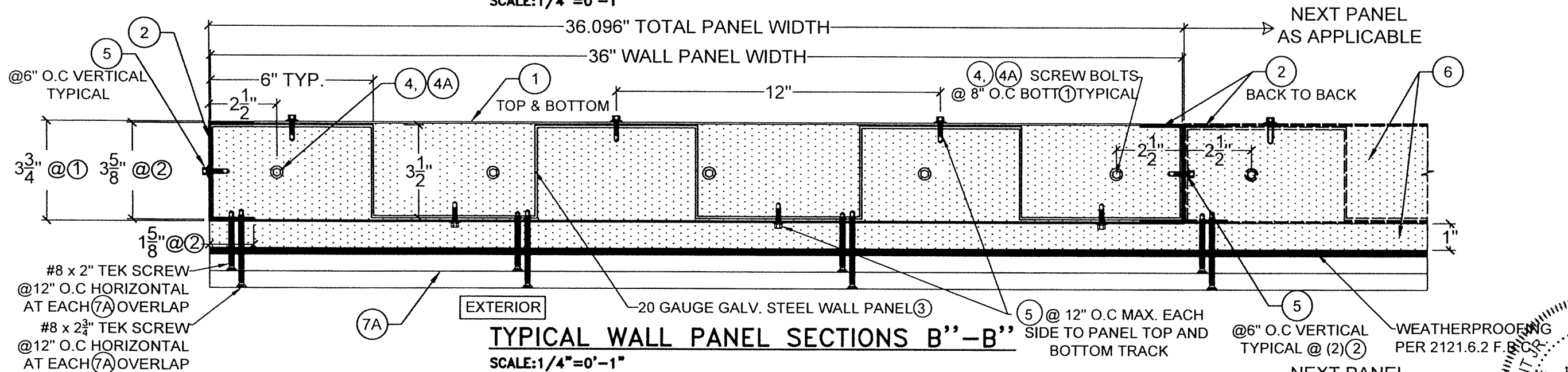
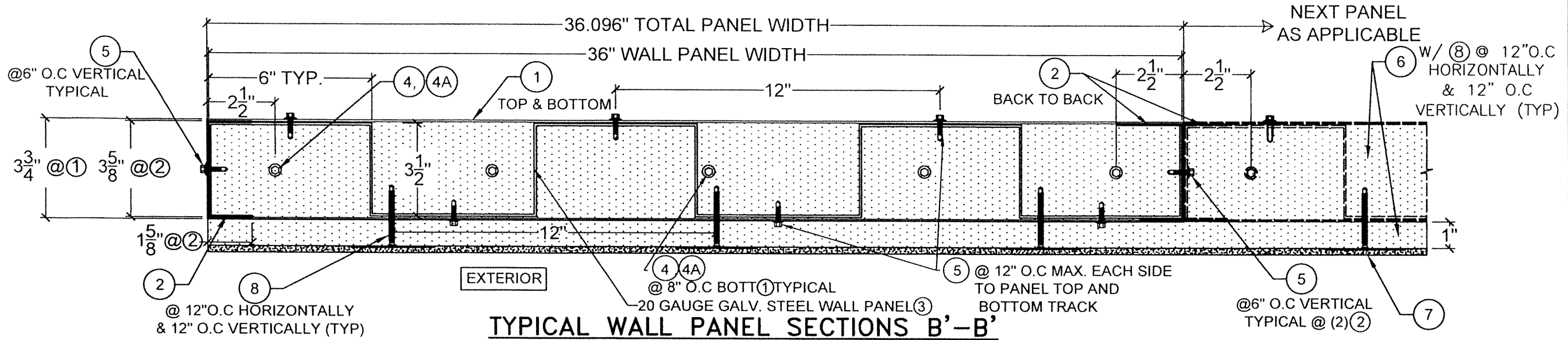
SECTIONS D'''-D'''
SCALE: 1/4" = 0'-1"

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)	
Y.M. DRAWN BY: CasArmor Exterior Wall Panel System	DATE: 08/17/23
CasArmor, LLC 2525 Opa-Locka Blvd Opa-Locka, FL 33054	
23-189 DRAWING No.	
SHEET 5 OF 10	

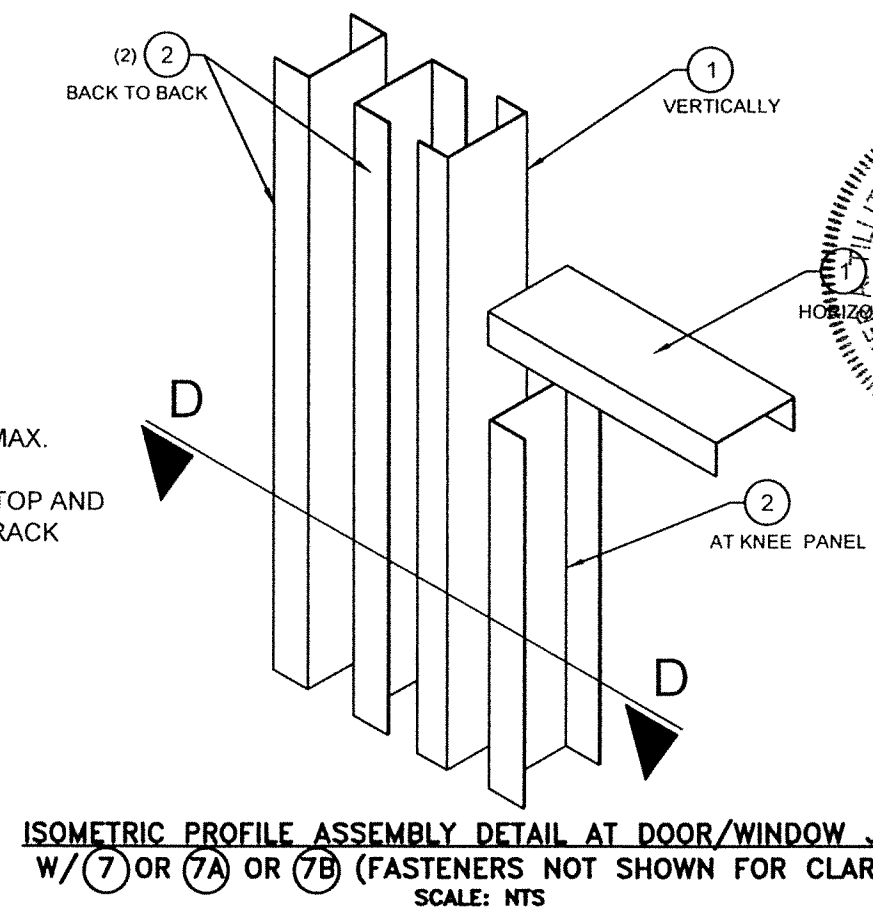
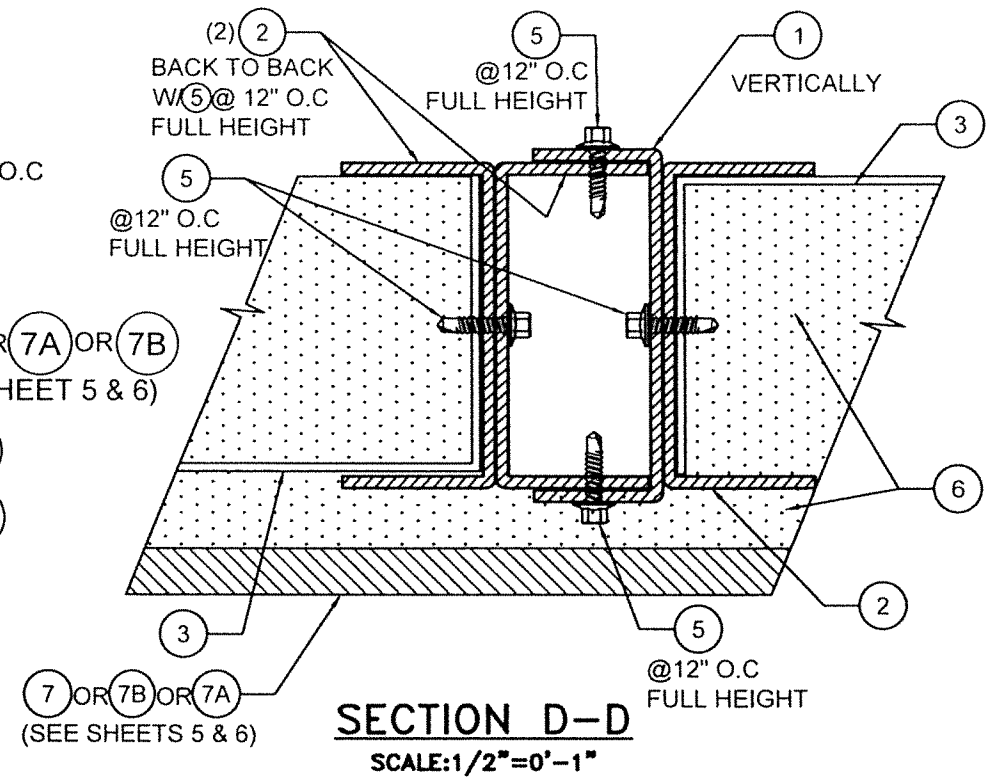
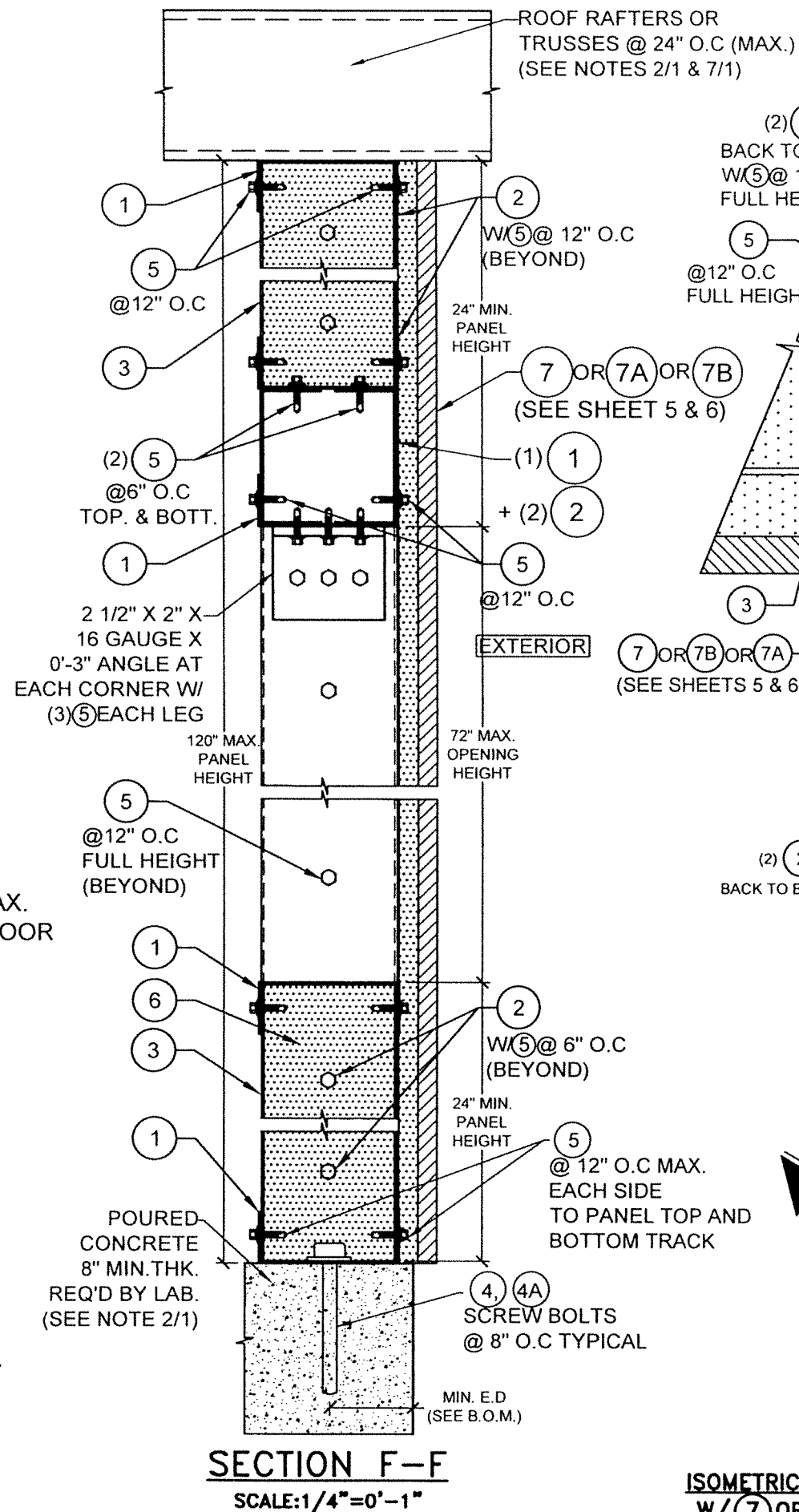
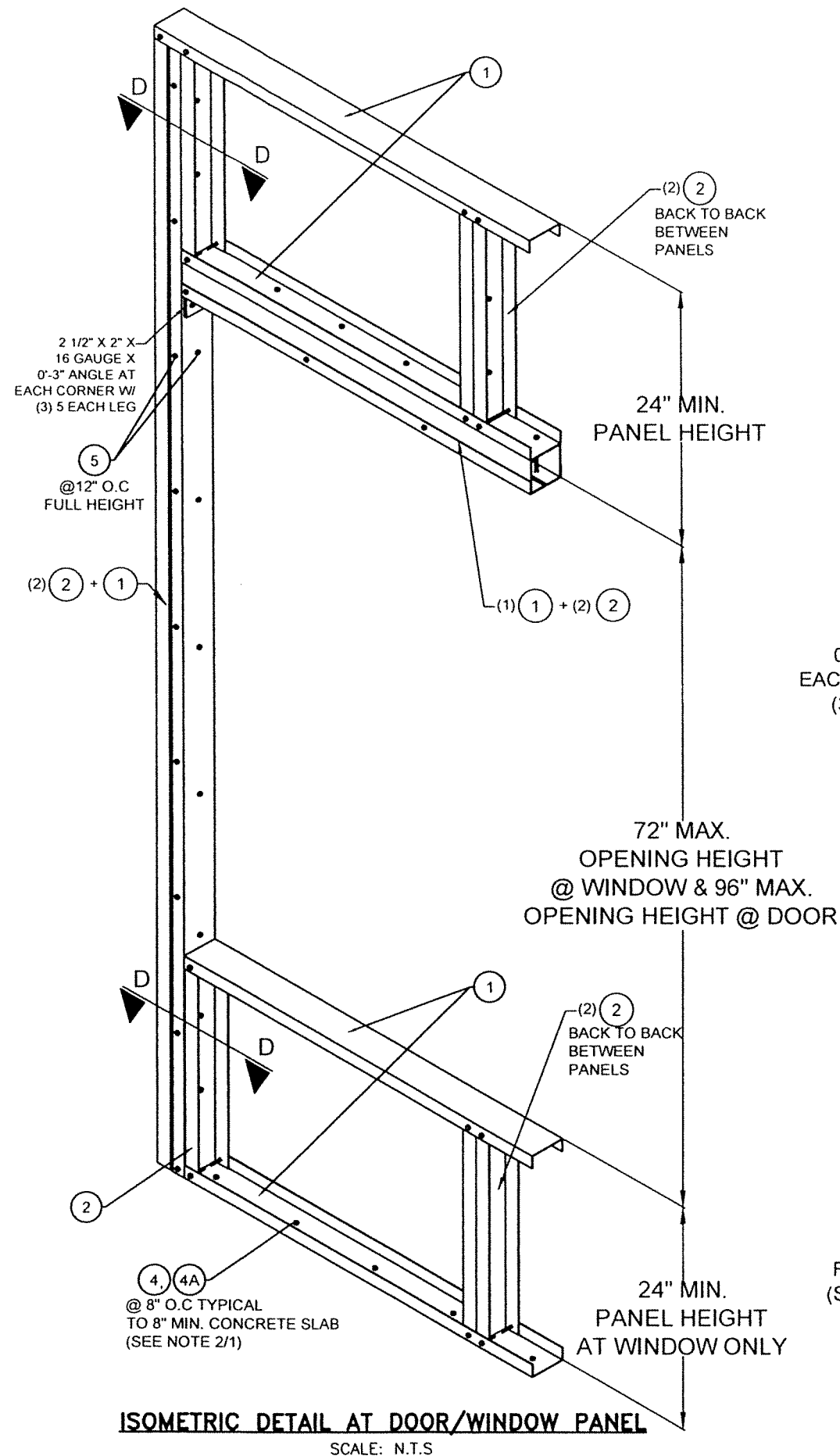
TILECO INC.
TILE TESTING & ENGINEERING COMPANY
6333 N.W. 36th Ave., Suite 300, Fort Lauderdale, FL 33309
Phone: (954) 771-1330 Fax: (954) 771-1331
Email: info@tileco.com

WALTER A. TILIT JR., P.E.
FLORIDA Lic. # 44167

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 44167
WALTER A. TILIT JR.
7/20/23

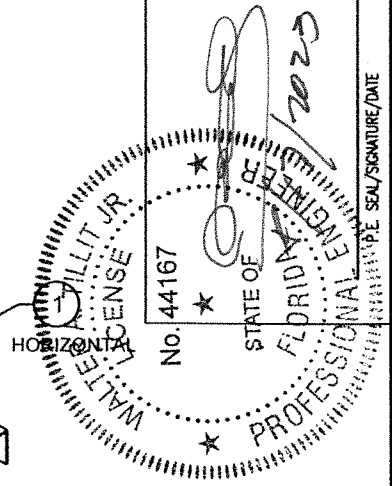


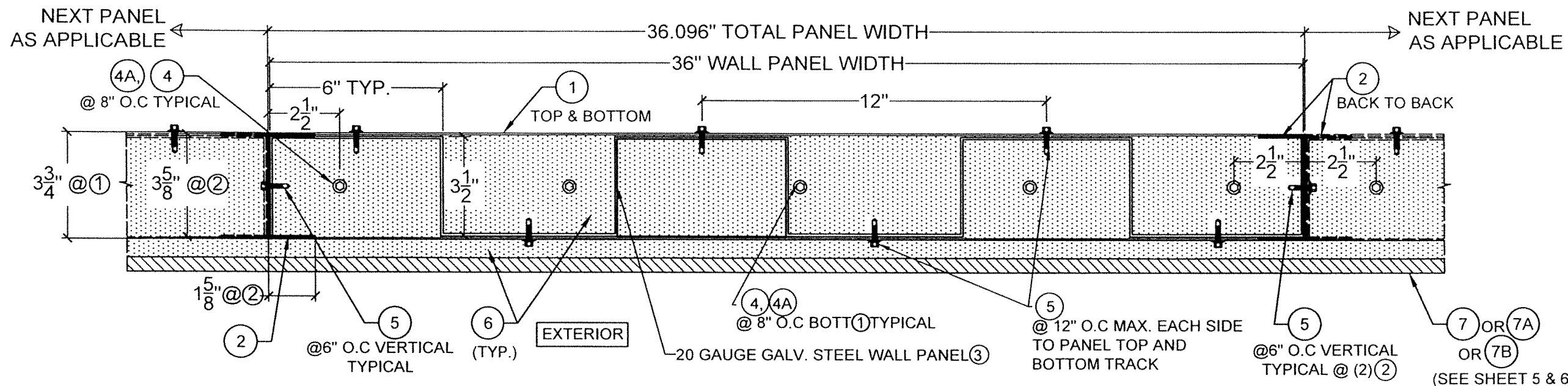
FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)		Y.M. DRAWN BY: 08/17/23 DATE: 23-189 DRAWING No. SHEET 6 OF 10	
CasArmor Exterior Wall Panel System		CasArmor, LLC 2525 Opa-Locka Blvd Opa-Locka, FL 33054	
TILECO INC. TILIT TESTING & ENGINEERING COMPANY 6335 N.W. 34th St., 3rd Floor, Fort Lauderdale, FL 33309 Phone: (754) 371-1330 Fax: (754) 371-1331 www.tilecoinc.com		WALTER A. TILLIT JR., P.E. FLORIDA Lic. # 44167	



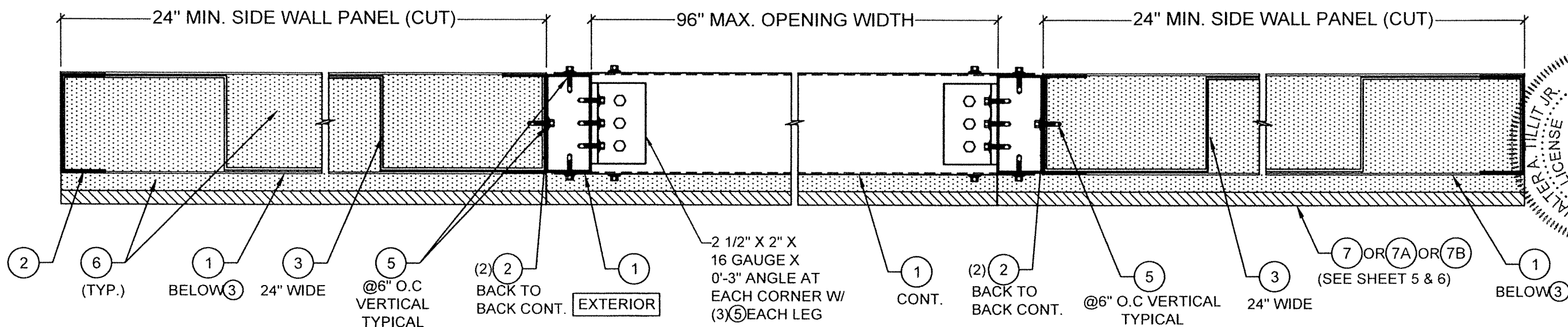
FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

©2023 TILTECO, INC.				CasArmor Exterior Wall Panel System		Y.M. DRAWN BY:	
TILIT TESTING & ENGINEERING COMPANY 3305 Opa-Locka Blvd Opa-Locka, FL 33054 Phone: (405) 471-1330 • Fax: (303) 977-1531 e-mail: blodgett@tiliteco.com		TILIT TESTING & ENGINEERING COMPANY 3305 Opa-Locka Blvd Opa-Locka, FL 33054 Phone: (405) 471-1330 • Fax: (303) 977-1531 e-mail: blodgett@tiliteco.com		CasArmor, LLC 2525 Opa-Locka Blvd Opa-Locka, FL 33054		08/17/23 DATE:	
WALTER J. TILIT, P.E. FLORIDA Lic. # 44167		WALTER J. TILIT, P.E. FLORIDA Lic. # 44167		DRAWING No.		23-189	
				SHEET 8 OF 10			
				DATE			
				REVISION/DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
				DATE			
				REV. NO.			
</							





TYPICAL WALL PANEL SECTIONS B-B
SCALE: 1/4" = 0'-1"



SECTION C-C
SCALE: 1/4" = 0'-1"

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

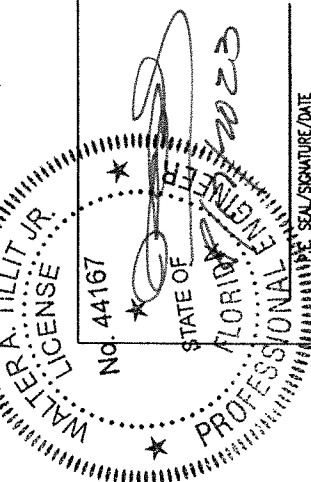
CasArmor Exterior Wall Panel System

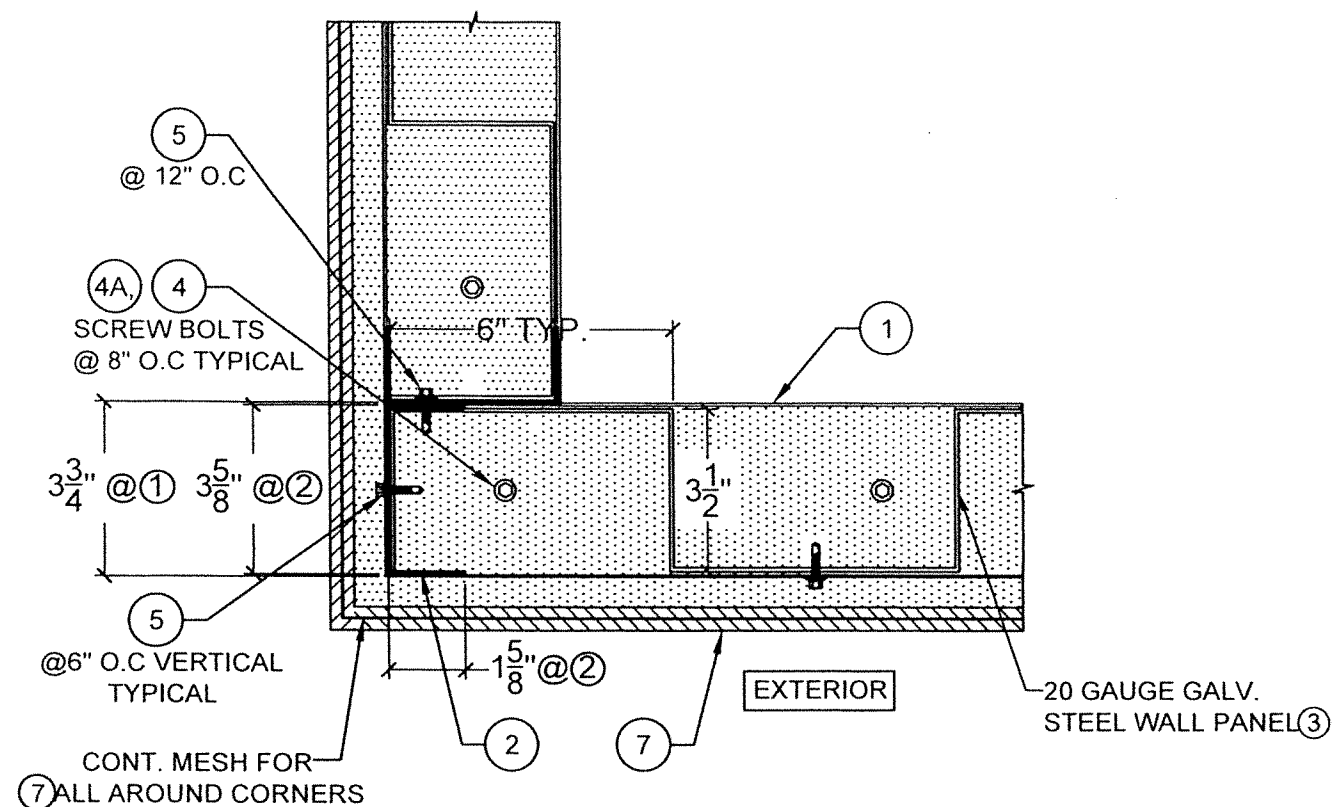
CasArmor, LLC
2525 Opa-Locka Blvd
Opa-Locka, FL 33054

TILECO INC.
TILIT TESTING & ENGINEERING COMPANY
4335 W. CA-106719
Phone: (352) 971-1330 Fax: (352) 971-1331
Email: info@tileco.com

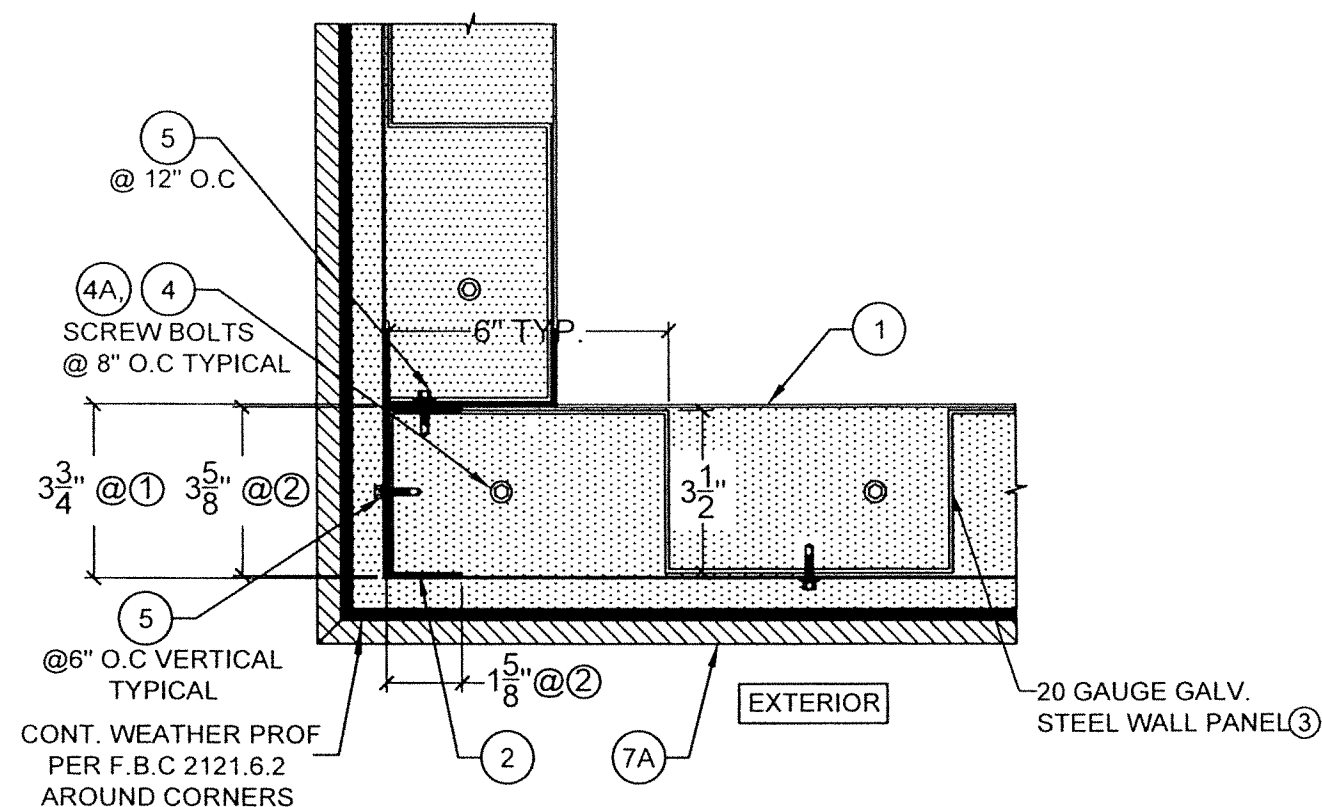
WALTER A. TILIT, JR. P.E.
FLORIDA Lic. # 44167

Y.M. DRAWN BY: 08/17/23 DATE: 23-189 DRAWING No. SHEET 9 OF 10

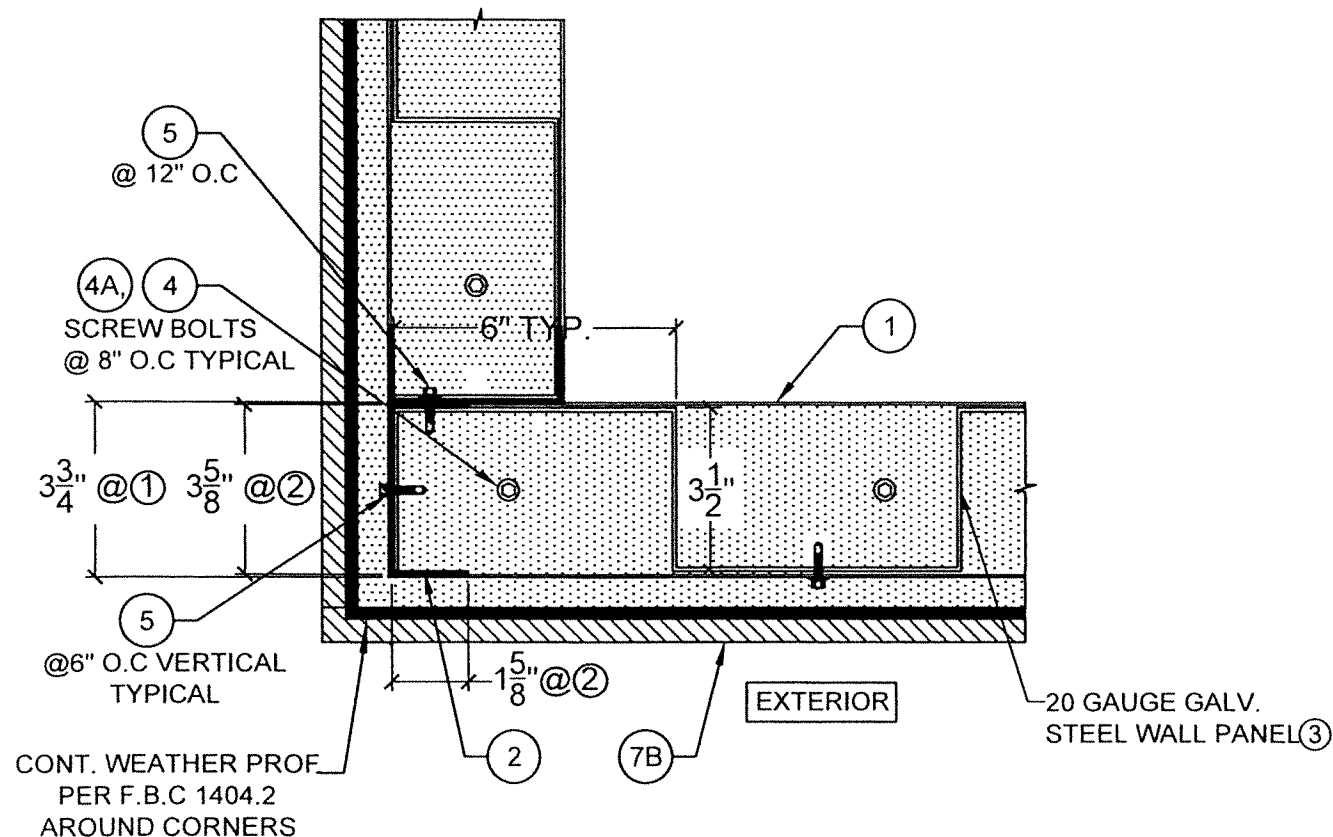




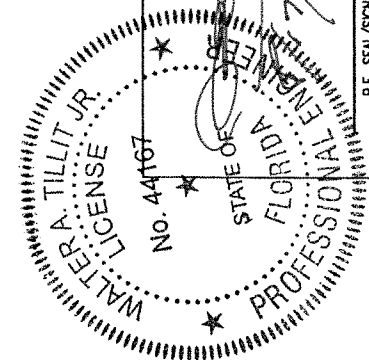
TYPICAL WALL PANEL CORNER DETAIL W/ (7)
SCALE: 1/4" = 0'-1"



TYPICAL WALL PANEL CORNER DETAIL W/ (7A)
SCALE: 1/4" = 0'-1"



TYPICAL WALL PANEL CORNER DETAIL W/ (7B)
SCALE: 1/4" = 0'-1"



TILECO INC.
TILE TESTING & ENGINEERING COMPANY
8333 N.W. 36th, Ste. 202, Virginia Beach, VA 23196
Phone: (757) 491-1330 Fax: (757) 491-1331
www.tilecoinc.com
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)
CasArmor Exterior Wall Panel System

Y.M.
DRAWN BY: 08/17/23
DATE: 23-189
DRAWING No.
SHEET 10 OF 10