

CHAMPION PTAC, LLC.

SERIES "HOTEL L-110" HURRICANE IMPACT PTAC LOUVER FL #22248.1

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- 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 $\pm 1/4$ 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.
- 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.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 8th EDITION (2023) FLORIDA BUILDING CODE, INCLUDING HVHZ.
 - TAS 201-94
 - TAS 202-94 (STRUCTURAL ONLY)
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL ALUMINUM AND STEEL STUD 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.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC 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 IN NON-HVHZ AREA. IN HVHZ AREA, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE BCCO.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE. (UP TO MISSILE LEVEL D)
- FRAME MATERIAL: 6063-T5 ALUMINUM (MIN. 0.125")
- PTAC OPENING FOR VENTILATION, 42 1/4" X 16 1/4" MAY BE LOCATED AT LEFT, RIGHT, OR CENTER WITH OPTIONAL FULL BLANK-OFF PANEL

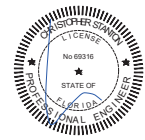
TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	-	ELEVATION, ANCHOR LAYOUT & NOTES
2	-	VERTICAL & HORIZONTAL SECTIONS - FLANGE FRAME
3	-	VERTICAL & HORIZONTAL SECTIONS - EQUAL LEG FRAME
4	-	BLANK-OFF DETAILS - FLANGE FRAME
5	-	BLANK-OFF DETAILS - EQUAL LEG FRAME
6	-	BILL OF MATERIALS & COMPONENTS

ANCHOR TYPES FOR FLANGE FRAME:

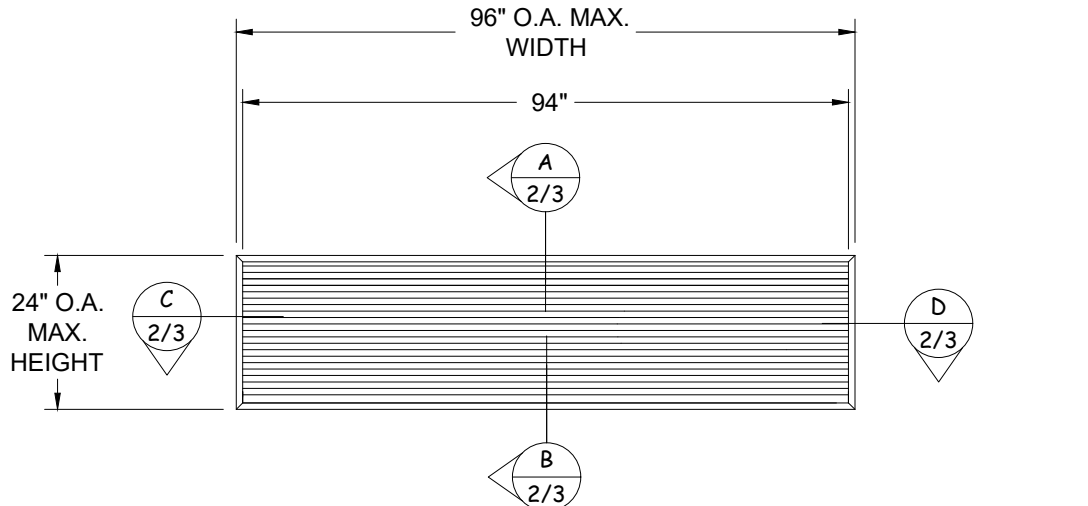
- "TYPE A": #14 S.M.S. (OPTIONAL 5/16" S.M.S.), INTO 0.090" ALUMINUM (6063-T5 MIN) OR 18GA STEEL (A36 MIN), MIN. (3) THREADS THROUGH METAL THICKNESS, 7/8" MIN EDGE DISTANCE.
- #14 S.M.S. (OPTIONAL 5/16" S.M.S.), INTO 20 GA. METAL STUD FRAMING, MIN. (3) THREADS THROUGH METAL THICKNESS, 7/8" MIN EDGE DISTANCE.
- "TYPE B": 1/4" DEWALT ULTRACON, 1 3/4" EFFECTIVE EMBEDMENT INTO 3000 PSI CONCRETE MIN. WITH 2 1/2" EDGE DISTANCE AND 3" MIN SPACING BETWEEN ANCHORS.
- "TYPE C": 5/16" DEWALT ULTRACON, 1 1/2" MIN ENGAGEMENT INTO SOUTHERN YELLOW PINE #2 WOOD (SG=0.55 MIN.) WITH 1-9/16" MIN EDGE DISTANCE AND 3" MIN SPACING BETWEEN ANCHORS.
- "TYPE D": 1/4" DEWALT ULTRACON INTO C-90 GROUT FILLED BLOCK (F'm - 2000 PSI MIN), 1 3/4" MIN. EMBEDMENT WITH 2 1/2" MIN. EDGE DISTANCE AND 4" MIN. SPACING BETWEEN ANCHORS.
- 1/4" DEWALT ULTRACON INTO C-90 HOLLOW BLOCK (F'M - 2000 PSI MIN), 1 1/4" MIN. EMBEDMENT WITH 2 1/2" MIN. EDGE DISTANCE AND 3" MIN. SPACING BETWEEN ANCHORS.

ANCHOR TYPES FOR EQUAL LEG FRAME:

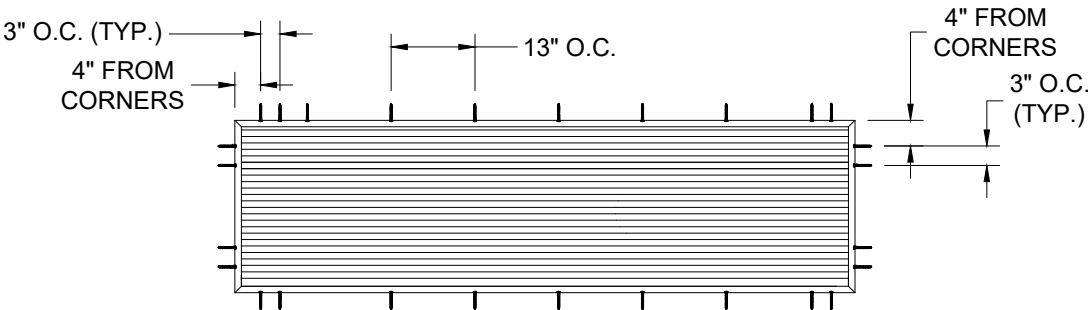
- "TYPE A1": 5/16" S.M.S. (GR. 2 MIN.), INTO 0.090" ALUMINUM (6063-T5 MIN) OR 18GA STEEL (A36 MIN), MIN. (3) THREADS THROUGH METAL THICKNESS, 7/8" MIN EDGE DISTANCE.
- 5/16" S.M.S. (GR. 2 MIN.), INTO 20 GA. METAL STUD FRAMING, MIN. (3) THREADS THROUGH METAL THICKNESS, 7/8" MIN EDGE DISTANCE.
- "TYPE B1": 5/16" DEWALT ULTRACON, 1 3/4" EFFECTIVE EMBEDMENT INTO 3000 PSI CONCRETE MIN. WITH 2 1/2" EDGE DISTANCE AND 3" MIN SPACING BETWEEN ANCHORS.
- "TYPE C1": 5/16" DEWALT ULTRACON, 1 1/2" MIN ENGAGEMENT INTO SOUTHERN YELLOW PINE #2 WOOD (SG=0.55 MIN.) WITH 1-9/16" MIN EDGE DISTANCE AND 3" MIN SPACING BETWEEN ANCHORS.
- "TYPE D1": 5/16" DEWALT ULTRACON INTO C-90 GROUT FILLED BLOCK (F'M - 2000 PSI MIN), 1 3/4" MIN. EMBEDMENT WITH 2 1/2" MIN. EDGE DISTANCE AND 4" MIN. SPACING BETWEEN ANCHORS.
- 5/16" DEWALT ULTRACON INTO C-90 HOLLOW BLOCK (F'M - 2000 PSI MIN), 1 1/4" MIN. EMBEDMENT WITH 3 1/8" MIN. EDGE DISTANCE AND 3" MIN. SPACING BETWEEN ANCHORS.



Digitally signed by
Christopher Stanton
Date: 2024.06.17
18:34:16 -04'00'



EXTERIOR ELEVATION

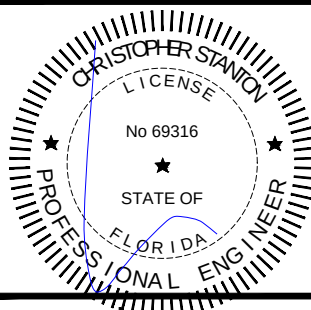


ANCHOR LAYOUT

MAX. DESIGN PRESSURE RATING (ASD)	
+110.0 / -110.0 PSF	LARGE & SMALL MISSILE IMPACT RATED

NOTE:

- LOUVERS SYSTEM IS TO BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND LOUVERS IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
- DEFLECTORS ARE TO DIRECT INTAKES & EXHAUST FOR P.T.A.C. INSTALLED IN WINDOW SLEEVE BEYOND. THEY HAVE NO EFFECT ON STRUCTURAL INTEGRITY OF LOUVER DESIGN



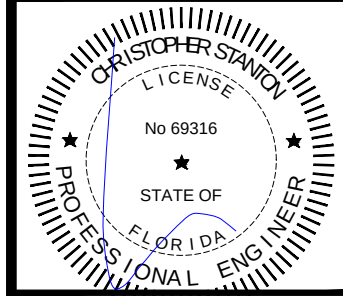
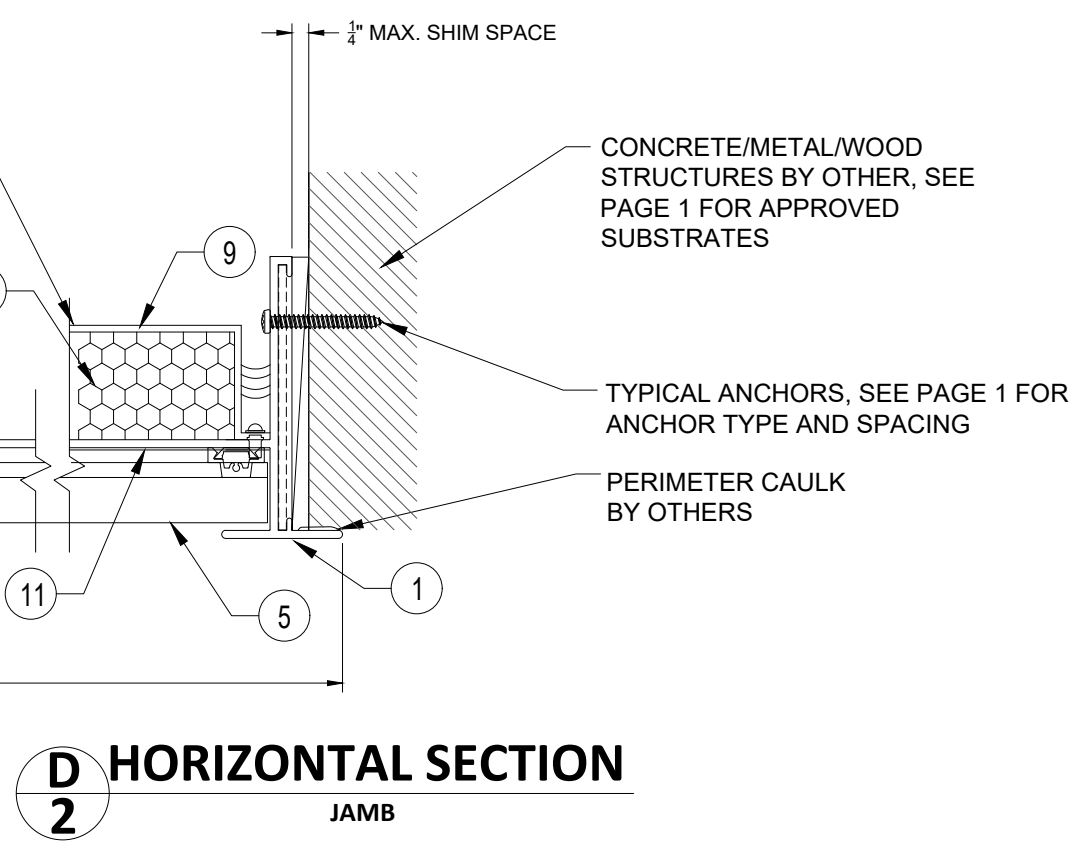
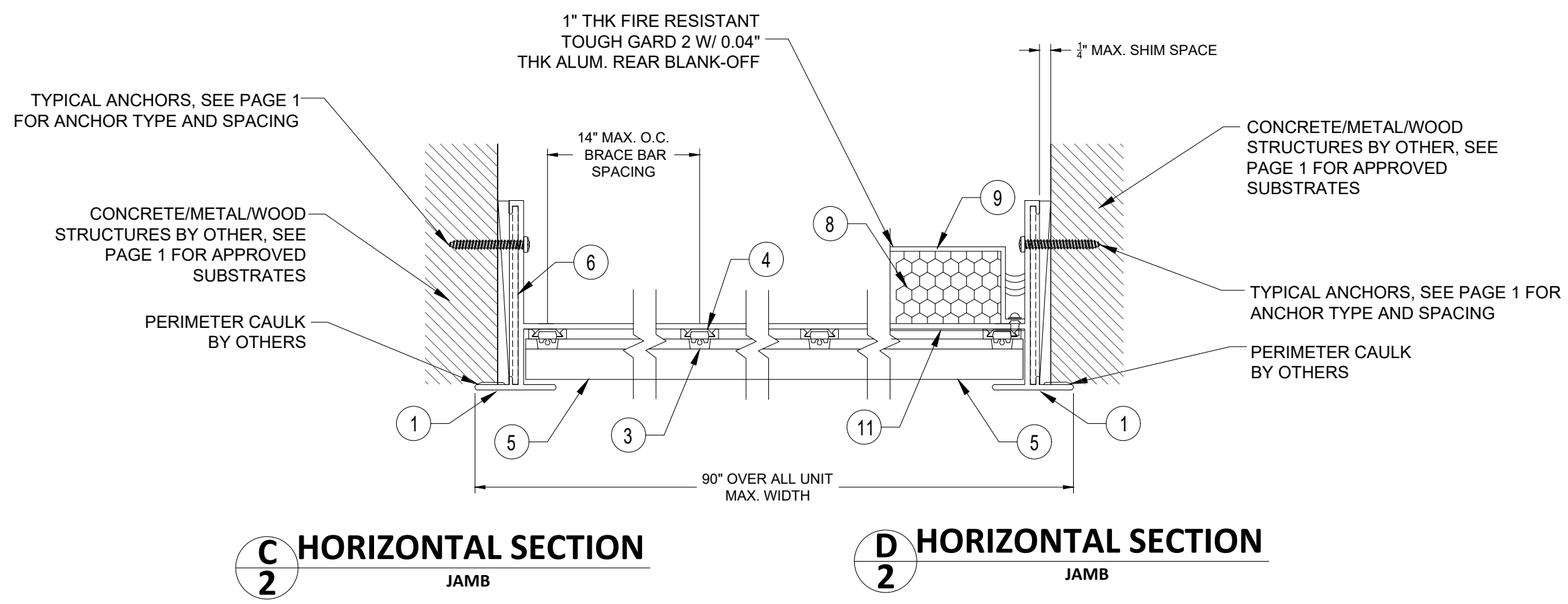
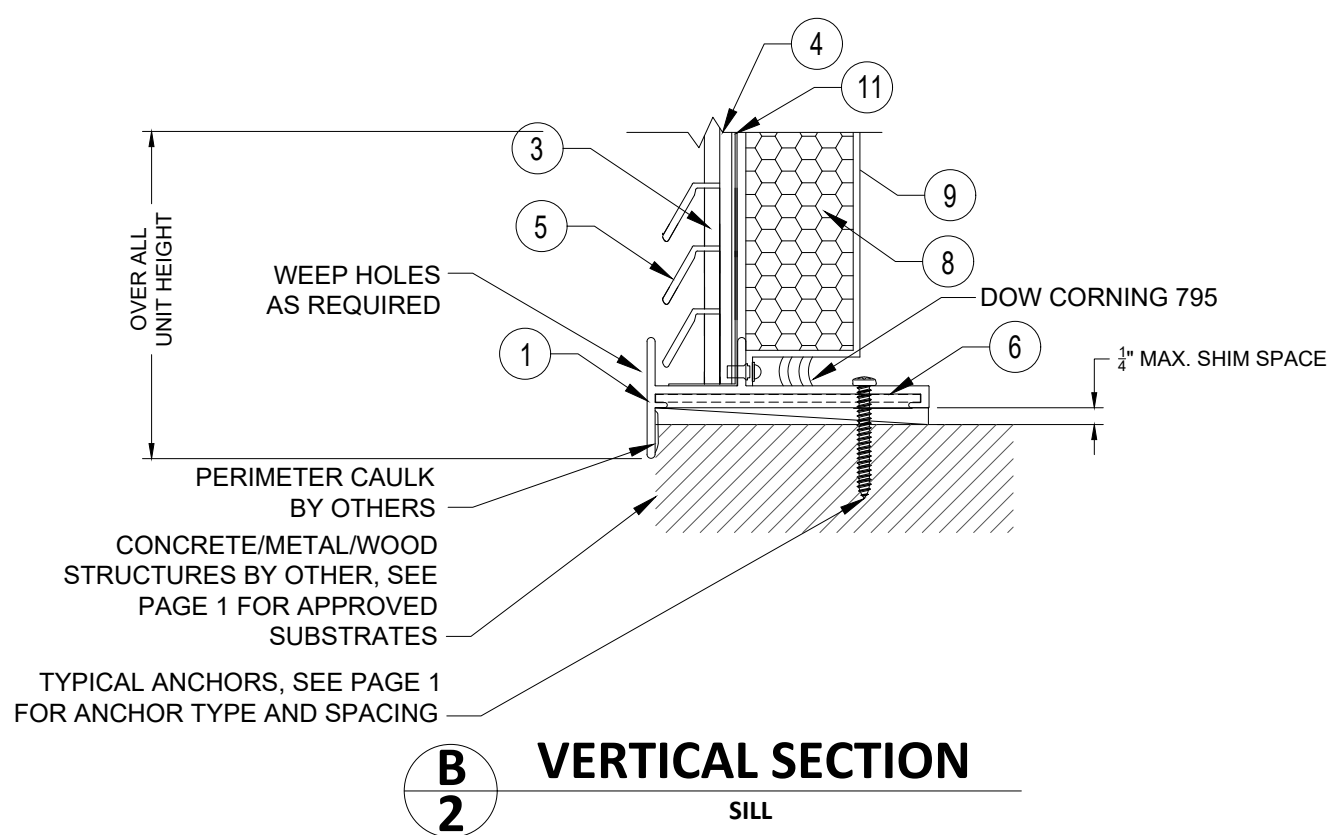
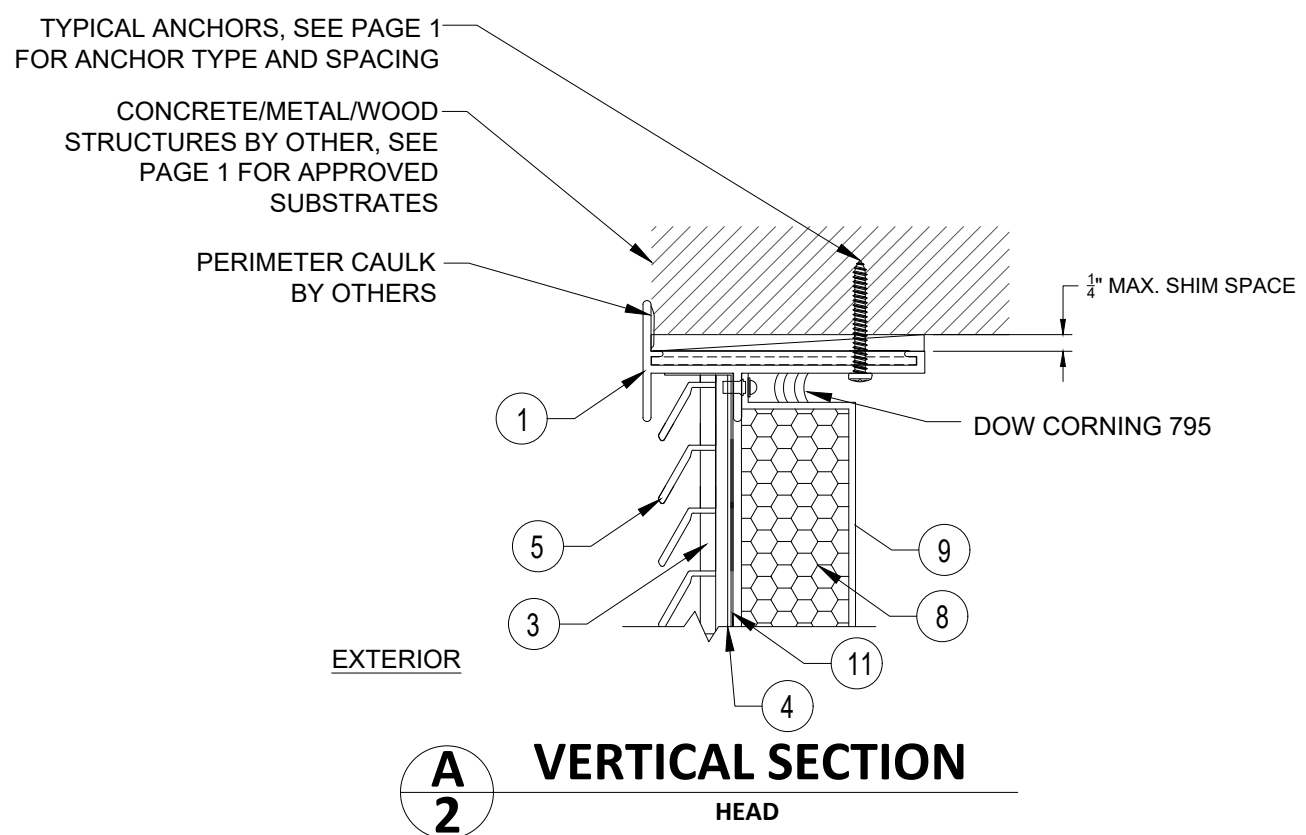
ENGINEER:
STANTON ENGINEERING, INC
2101 NW BOCA RATON BLVD, SUITE #115
BOCA RATON, FL 33431
561-393-1003
FLA. P.E. #69316

TITLE:
SERIES "HOTEL L-110" HURRICANE
IMPACT PTAC LOUVER
FL #22248.1
ELEVATION, ANCHOR LAYOUT,
AND INSTALLATION NOTES

DATE: 01.25.21	DWN BY: JV	CHK BY: CAG	REV: 4
-------------------	---------------	----------------	-----------

DWG #:
HOTEL L-110
SHEET: 1 OF 6

FLANGE FRAME



ENGINEER:

STANTON ENGINEERING, INC.
2101 NW BOCA RATON BLVD. SUITE #115
BOCA RATON, FL. 33431
561-393-1003
FLA. P.E. #69316

TITLE:

**SERIES "HOTEL L-110" HURRICANE
IMPACT PTAC LOUVER
FL #22248.1**

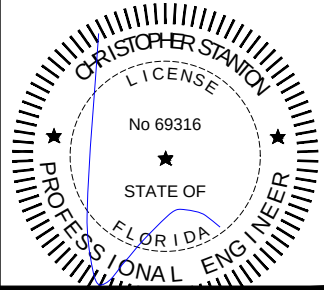
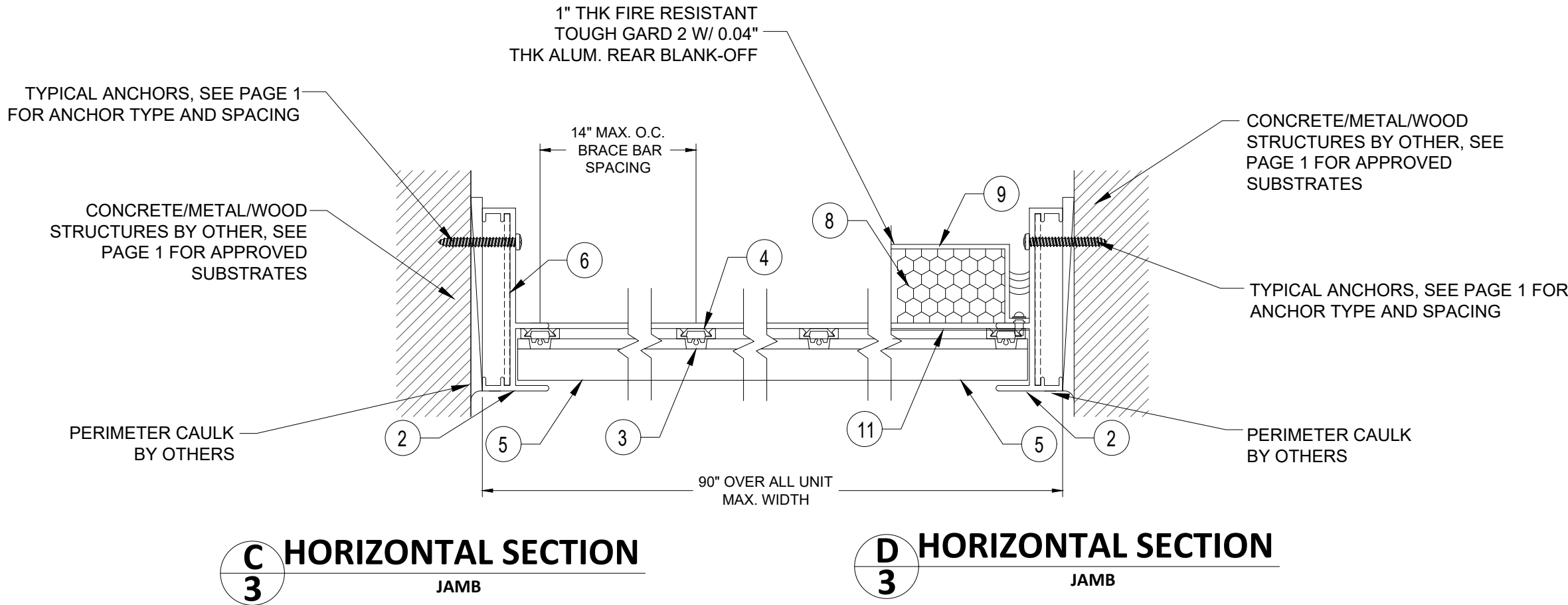
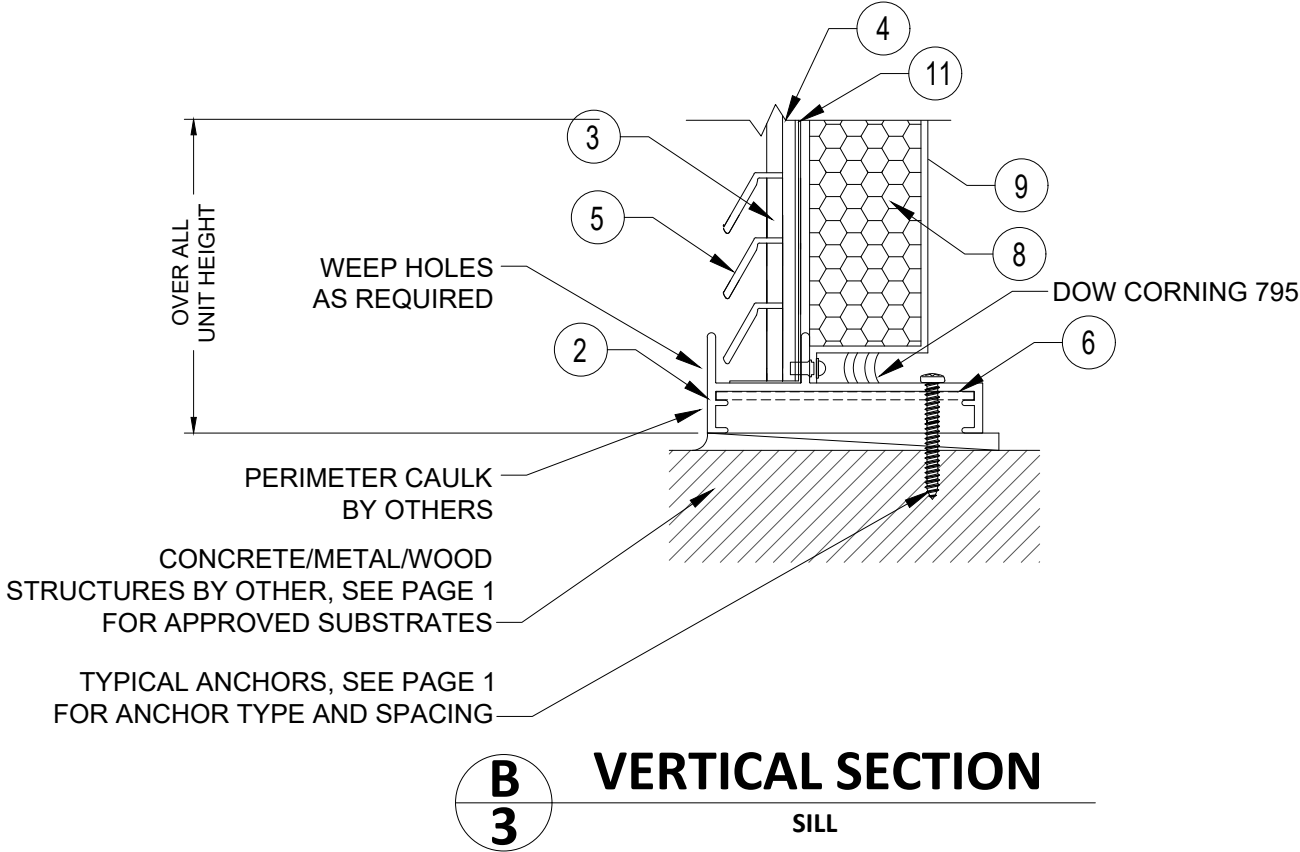
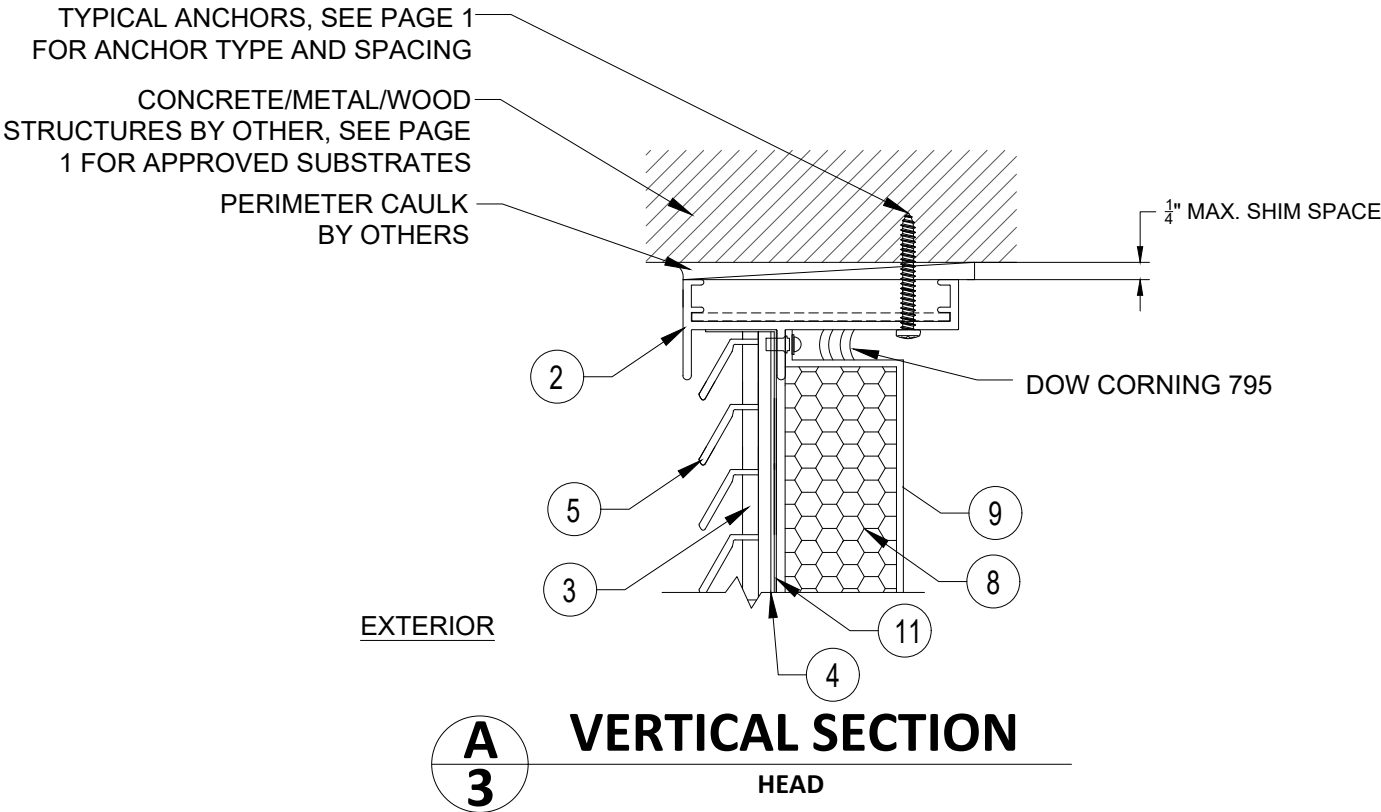
VERTICAL & HORIZONTAL SECTIONS
FLANGE FRAME

DATE: 01.25.21	DWN BY: JV	CHK BY: CAG	REV: 4
-------------------	---------------	----------------	-----------

DWG #:
HOTEL L-110

SHEET: **2 OF 6**

EQUAL LEG FRAME



ENGINEER:

STANTON ENGINEERING, INC
2101 NW BOCA RATON BLVD, SUITE #115
BOCA RATON, FL 33431
561-393-1003
FLA. P.E. #69316

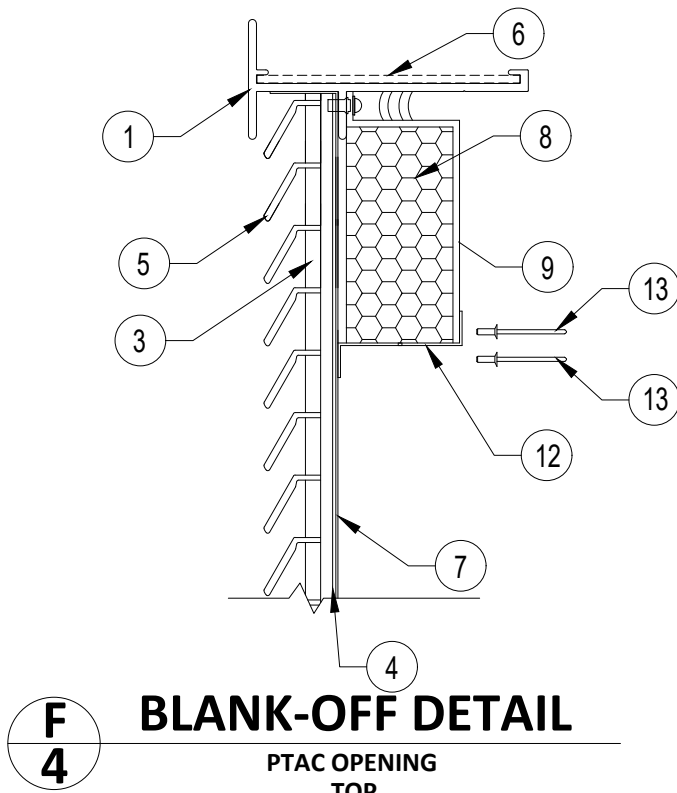
TITLE:

SERIES "HOTEL L-110" HURRICANE
IMPACT PTAC LOUVER
FL #22248.1

VERTICAL & HORIZONTAL SECTIONS
EQUAL LEG FRAME

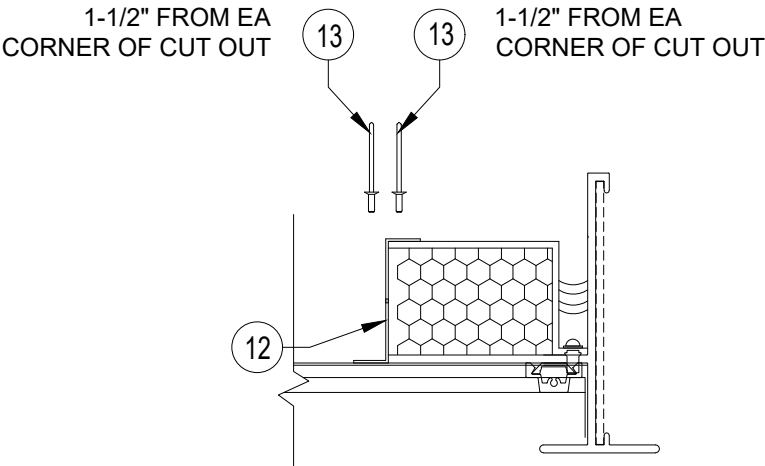
DATE: 01.25.21	DWN BY: JV	CHK BY: CAG	REV: 4
DWG #: HOTEL L-110			
SHEET: 3 OF 6			

FLANGE FRAME



1" , 20-3/4" & 40-1/2" FROM RIGHT CORNER OF CUT OUT AS VIEWED FROM EXT.

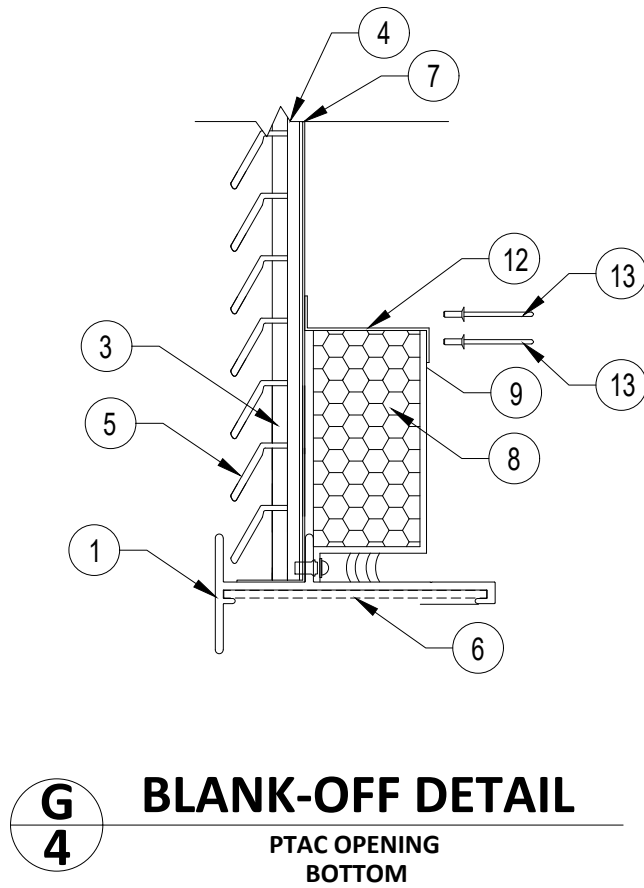
1-1/4" , 19" , 31-1/2" & 40-1/2" FROM RIGHT CORNER OF CUT OUT AS VIEWED FROM EXT.



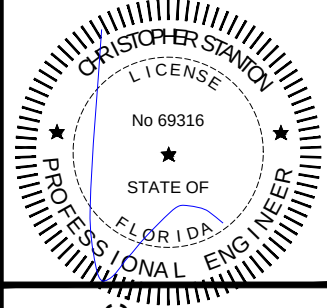
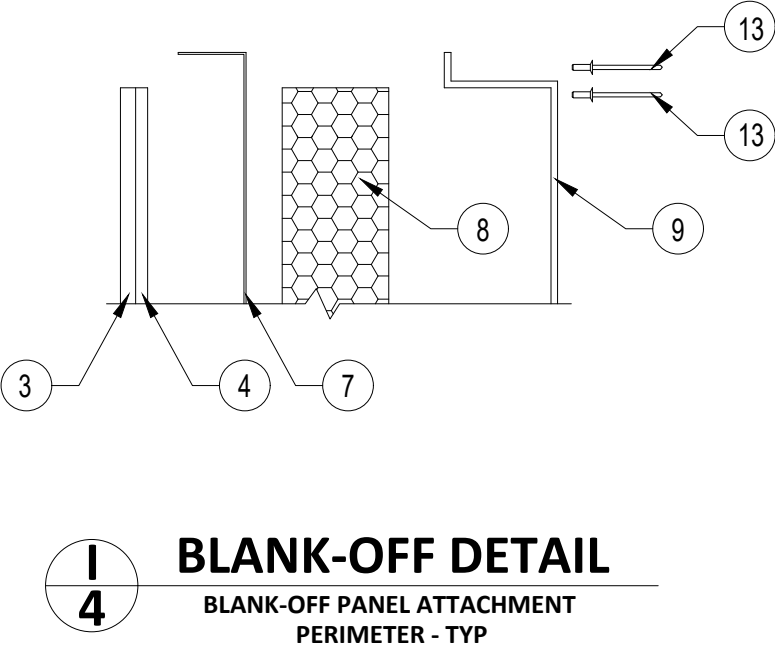
H
4

BLANK-OFF DETAIL

PTAC OPENING
SIDE



9-3/8" , 22" & 34-1/2" FROM LEFT SIDE AS VIEWED FROM EXT.



ENGINEER:

STANTON ENGINEERING, INC
2101 NW BOCA RATON BLVD, SUITE #115
BOCA RATON, FL 33431
561-393-1003
FLA. P.E. #69316

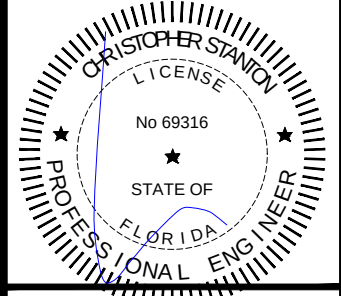
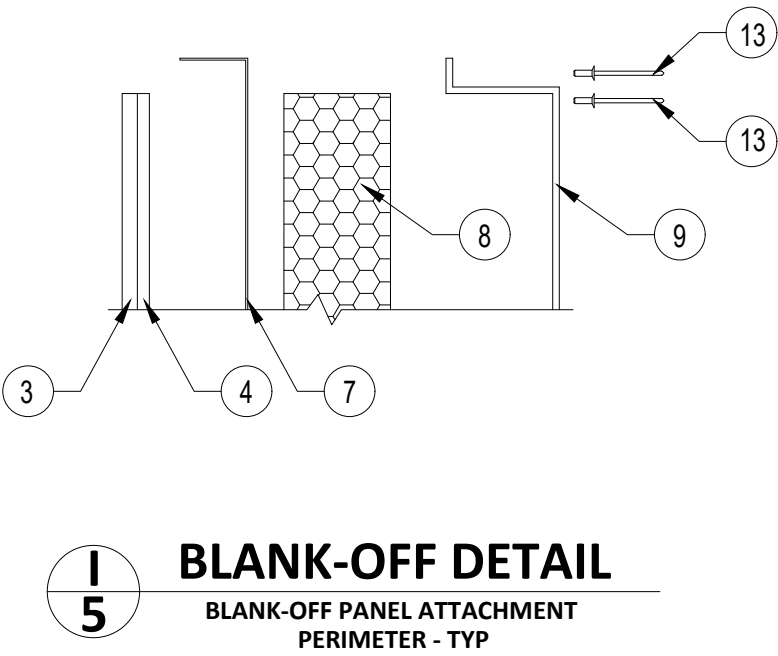
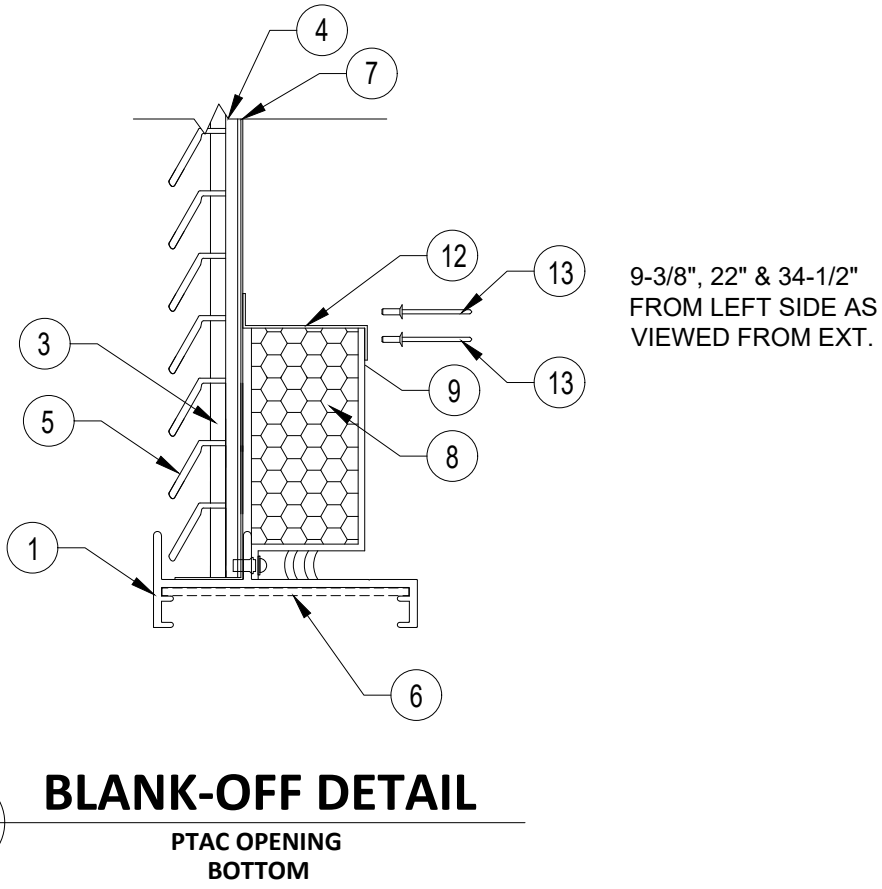
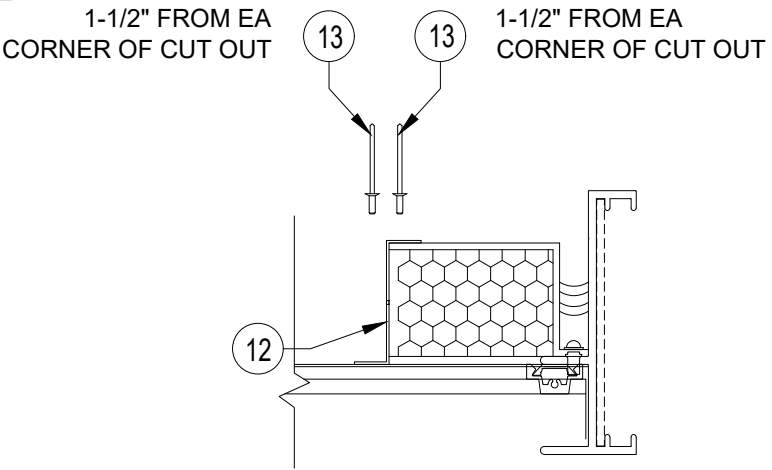
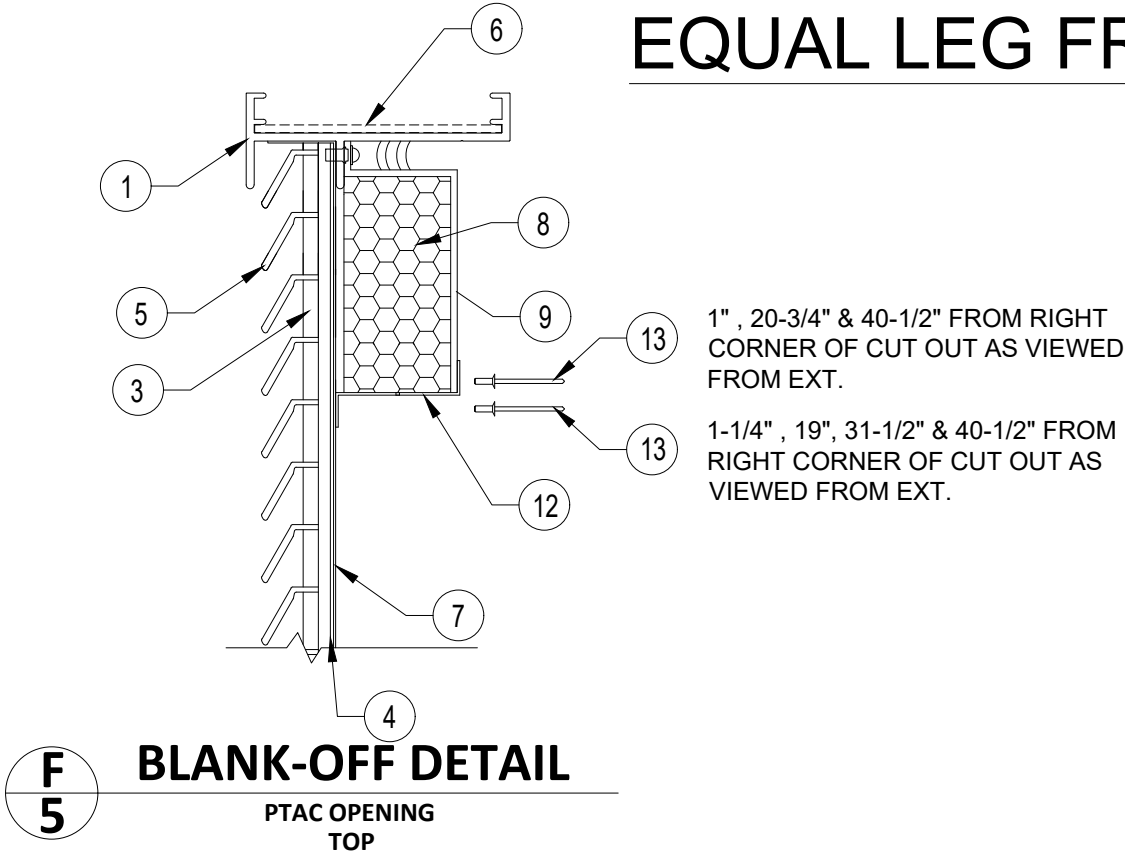
TITLE:

**SERIES "HOTEL L-110" HURRICANE
IMPACT PTAC LOUVER
FL #22248.1**

BLANK-OFF DETAIL
FLANGE FRAME

DATE: 01.25.21	DWN BY: JV	CHK BY: CAG	REV: 4
DWG #: HOTEL L-110			
SHEET: 4 OF 6			

EQUAL LEG FRAME



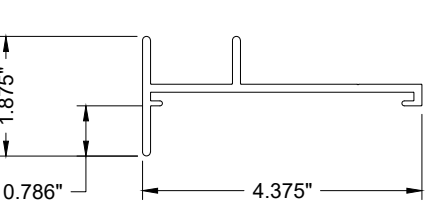
ENGINEER:
STANTON ENGINEERING, INC
2101 NW BOCA RATON BLVD, SUITE #115
BOCA RATON, FL 33431
561-393-1003
FLA. P.E. #69316

TITLE:
SERIES "HOTEL L-110" HURRICANE
IMPACT PTAC LOUVER
FL #22248.1
BLANK-OFF DETAIL
EQUAL LEG FRAME

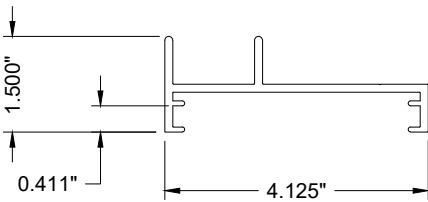
DATE: 01.25.21	DWN BY: JV	CHK BY: CAG	REV: 4
-------------------	---------------	----------------	-----------

BILL OF MATERIAL			
NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	FLANGE FRAME	ALUM 6063-T5	CHAMPION PTAC
2	EQUAL LEG FRAME	ALUM 6063-T5	CHAMPION PTAC
3	BRACE BAR	ALUM 6063-T5	CHAMPION PTAC
4	BRACE BAR SPLINE	ALUM 6063-T5	CHAMPION PTAC
5	LOUVER BLADE	ALUM 6063-T5	CHAMPION PTAC
6	CORNER ANGLE	ALUM 6063-T5	CHAMPION PTAC
7	FRONT BLANK-OFF (OPTIONAL)	MIN. 0.04" THK FORMED ALUM.	-
8	INSULATION (OPTIONAL)	1" THK FIRE RESISTANT FOAM	CERTAINTED
9	REAR BLANK-OFF (OPTIONAL)	MIN. 0.04" THK FORMED ALUM.	-
10	T-FLASHING	MIN. 0.04" THK FORMED ALUM.	-
11	L-ANGLE	MIN. 0.04" THK FORMED ALUM.	-
12	Z-ANGLE	MIN. 0.04" THK FORMED ALUM.	-
13	1/8" POP-RIVET (AS42CE)	ALUMINUM/STEEL	MASTERFIX

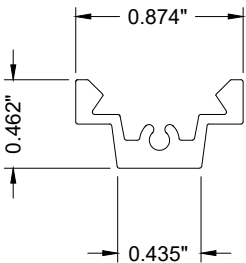
NOTE: FOAM, ITEM #8, SHALL COMPLY WITH MINIMUM REQUIREMENTS OF HVHZ SECTION 2612 OF FLORIDA BUILDING CODE (ASTM D1929 & ASTM E84) AND/OR APPROVED UNDER CURRENT NOA.



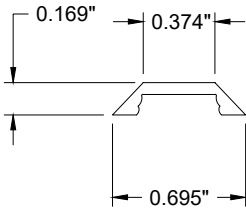
1 FLANGE FRAME
6063-T5 ALUMINUM
TYPICAL WALL
THICKNESS: .125"



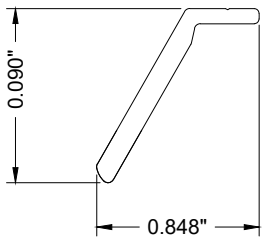
2 EQUAL LEG FRAME
6063-T5 ALUMINUM
TYPICAL WALL
THICKNESS: .125"



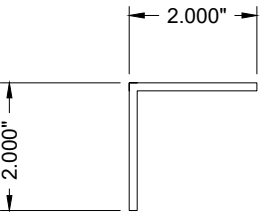
3 BRACE BAR
6063-T5 ALUMINUM



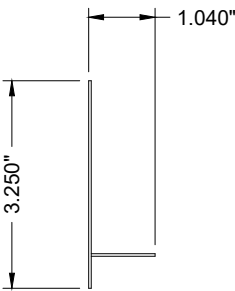
4 BRACE BAR SPLINE
6063-T5 ALUMINUM



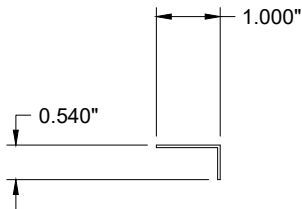
5 LOUVER BLADE
6063-T5 ALUMINUM
TYPICAL WALL
THICKNESS: .040"



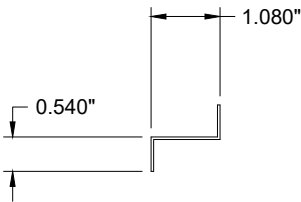
6 FRAME CORNER ANGLE
6063-T5 ALUMINUM
TYPICAL WALL
THICKNESS: .125"



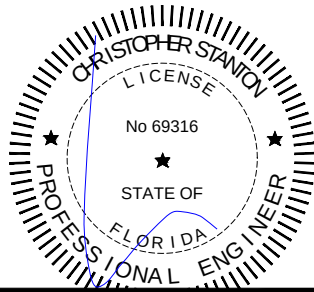
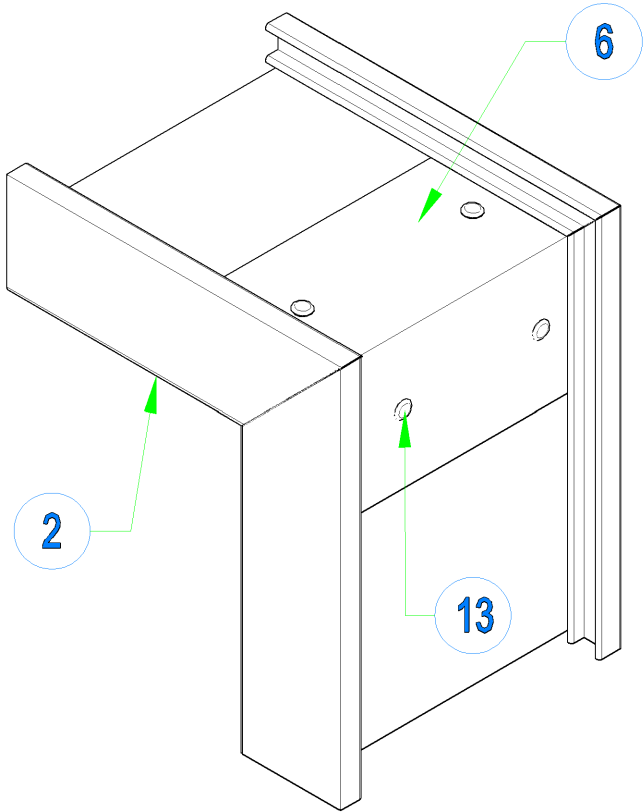
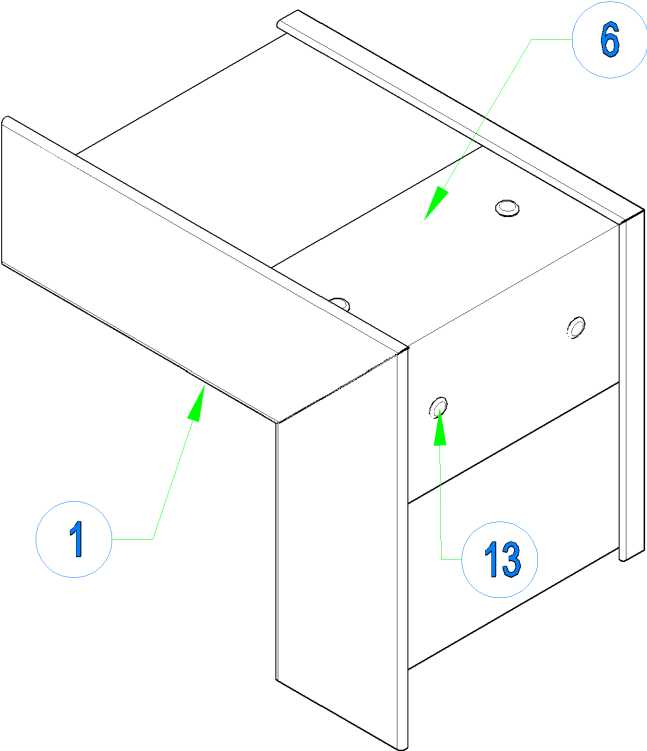
10 T-FLASHING
FORMED ALUMINUM
TYPICAL WALL
THICKNESS: .040"



11 L-ANGLE
FORMED ALUMINUM
TYPICAL WALL
THICKNESS: .040"



12 Z-ANGLE
FORMED ALUMINUM
TYPICAL WALL
THICKNESS: .040"



ENGINEER:
STANTON ENGINEERING, INC.
2101 NW BOCA RATON BLVD, SUITE #115
BOCA RATON, FL 33431
561-393-1003
FLA. P.E. #69316

TITLE:
SERIES "HOTEL L-110" HURRICANE
IMPACT PTAC LOUVER
FL #22248.1
BILL OF MATERIALS & COMPONENTS

DATE: 01.25.21	DWN BY: JV	CHK BY: CAG	REV: 4
DWG #: HOTEL L-110			
SHEET: 6 OF 6			