

CHAMPION PTAC, LLC.

SERIES "NEVERLEAK™" HURRICANE IMPACT PTAC LOUVER WITH
"NEVERLEAK™" PTAC WALL SLEEVE ASSEMBLY

FLA #40680.1

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 9th EDITION (2026) FLORIDA BUILDING CODE:
- CH.16 (BUILDING: STRUCTURAL DESIGN)

• SECTION 1609: WINDLOADS AND IMPACT

• CH.4 (MECHANICAL: VENTILATION)

• SECTION/TABLE 401.5 : INTAKE OPENING PROTECTION

• CH.3 (PLUMBING: GENERAL REGULATIONS)

• SECTION/TABLE 314.2.2 : DRAIN PIPE MAT'L & SIZE

• SECTION 314.2.3(1) : SECONDARY DRAIN SYSTEM

• SECTION 314.2.3.1 : WATER-LEVEL MONITORING DEVICE (NOT REQUIRED WITH THIS PRODUCT)

• SECTION 314.2.3.2 : INSULATION IN PANS

• SECTION 314.2.4 : TRAPS (NOT REQUIRED WITH THIS PRODUCT)

• SECTION 314.2.5 : DRAIN LINE MAINTENANCE
- TESTS CONDUCTED TO MEET THE 9TH EDITION (2026) FLORIDA BUILDING CODE, INCLUDING HVHZ:
- TAS 201-94

• TAS 202-94 (STRUCTURAL ONLY)

• ASTM E330-14 (STRUCTURAL ONLY)

• TAS 203-94

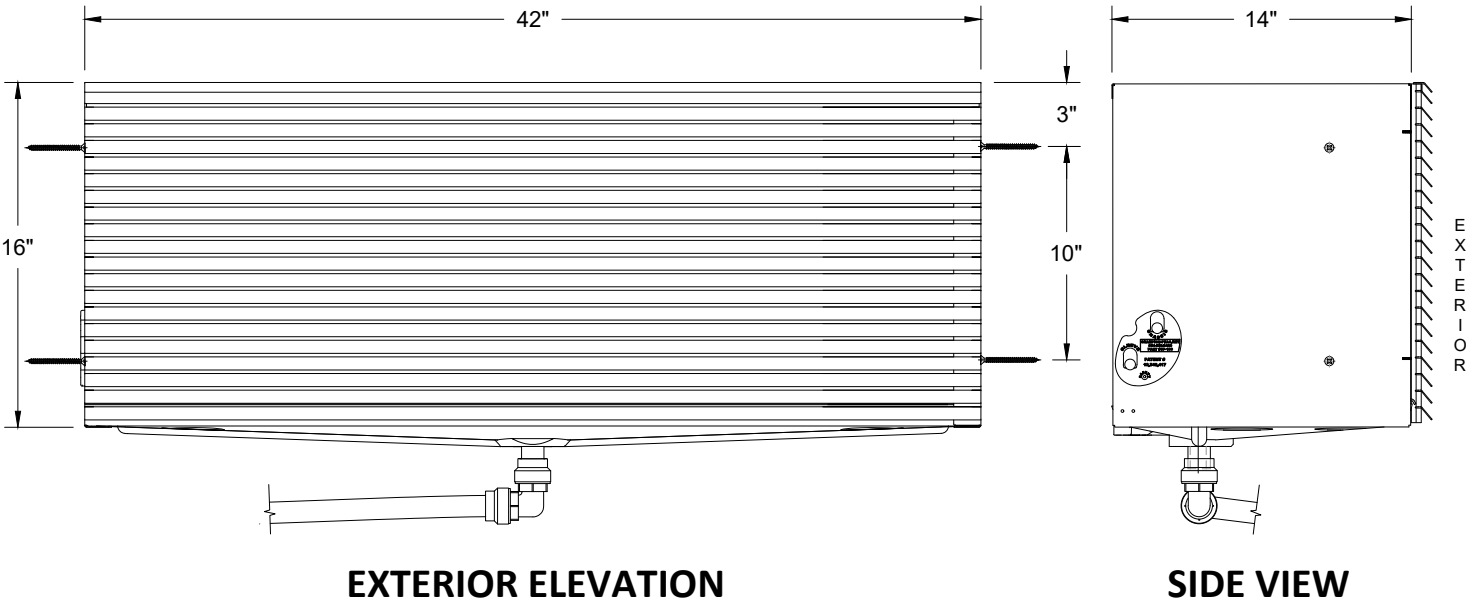
• ASTM E1886-13a/E1996-20

• AMCA 540
2. ADEQUACY OF THE EXISTING STRUCTURAL ALUMINUM, STEEL, MASONRY, CONCRETE AND WOOD 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.
3. 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.
4. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
5. SLEEVE MATERIAL: 20 GAUGE STEEL.
6. LOUVER FREE AREA BETWEEN THE BLADES = 68%

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±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.
4. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
5. 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.
6. 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
7. DRAIN HOSE: CUT "DRAIN HOSE" (ITEM #13) TO LENGTH AND PUSH "TUBE INSERTS" (ITEM #14) INTO THE ENDS PRIOR TO CONNECTING TO "PUSH FITTING" (ITEM #15)
8. DURING INSTALLATION, LOUVER NOT TO EXCEED 6" PAST WALL FINISHES.

MAX. DESIGN PRESSURE RATING (ASD)	
+90.0 / -90.0 PSF	LARGE & SMALL MISSILE IMPACT RATED



ANCHOR NOTES:

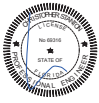
FOR INSTALLATIONS IN AREAS FARTHER THAN 3000 FT. FROM A SALTWATER COASTLINE, THE FASTENERS ON SHEET 3, CHART "A" APPLY.

FOR INSTALLATIONS WITHIN 3000 FT. FROM A SALTWATER COASTLINE, SEE SHEET 3, CHART "B".

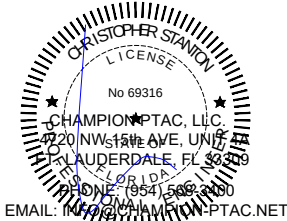
FOR DESCRIPTION OF APPLICABLE CORROSION RESISTANCE SEE SHEET 6.

FL40680.1

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4	-	VIEW FROM INTERIOR
5	-	BILL OF MATERIALS & COMPONENTS



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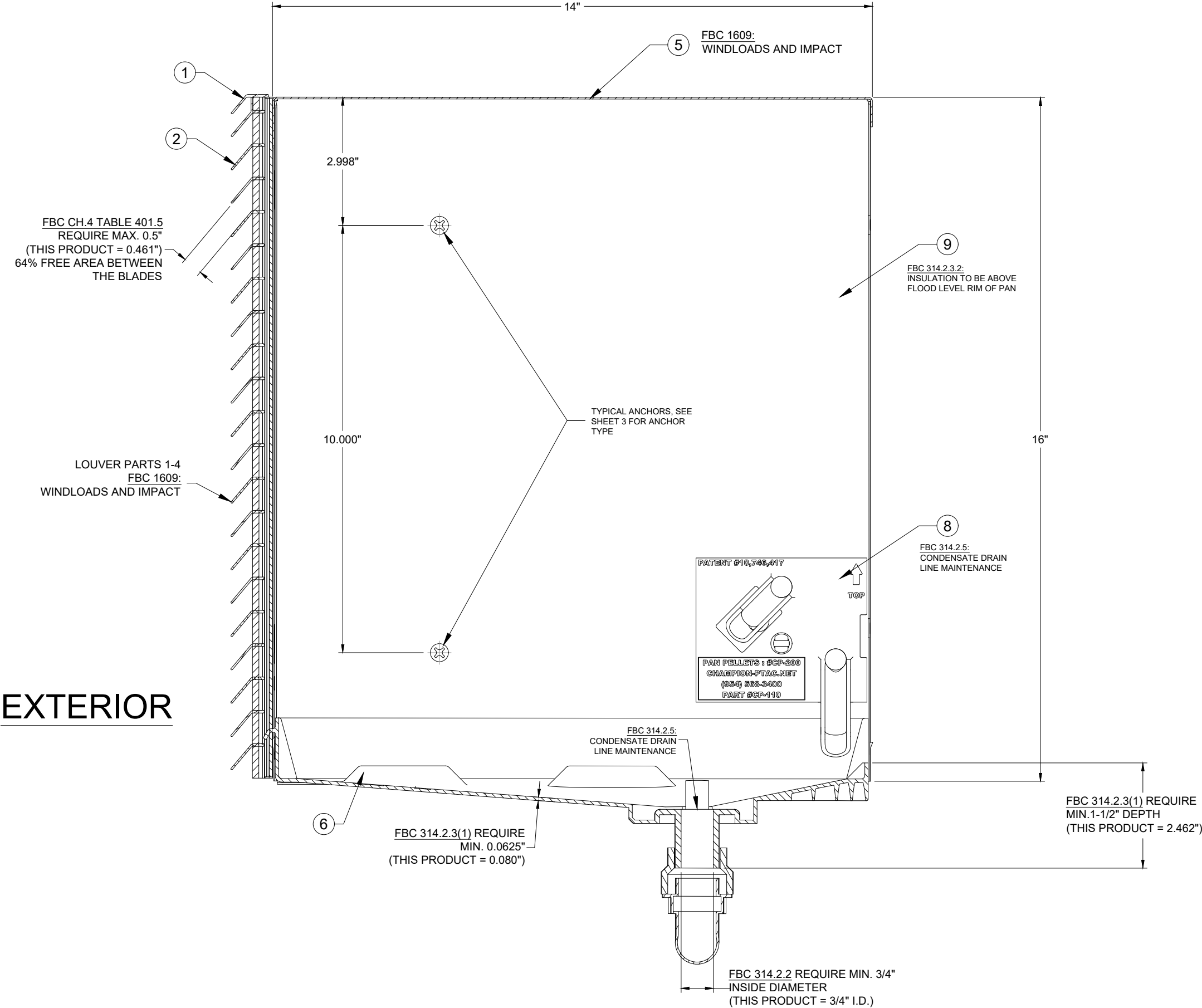
ENGINEERING:
STANTON ENGINEERING, INC.
2101 NW BOCA RATON BLVD, SUITE #115
BOCA RATON, FL 33431
561-393-1003
FLA. P.E. #69316

TITLE:
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ELEVATION, INSTALLATION AND GENERAL NOTES

DATE: 02/10/2022	DWN BY: VDC	CHK BY: CAG	REV: 1
DWG #: CP-NL-22.00			
SHEET: 1 OF 6			

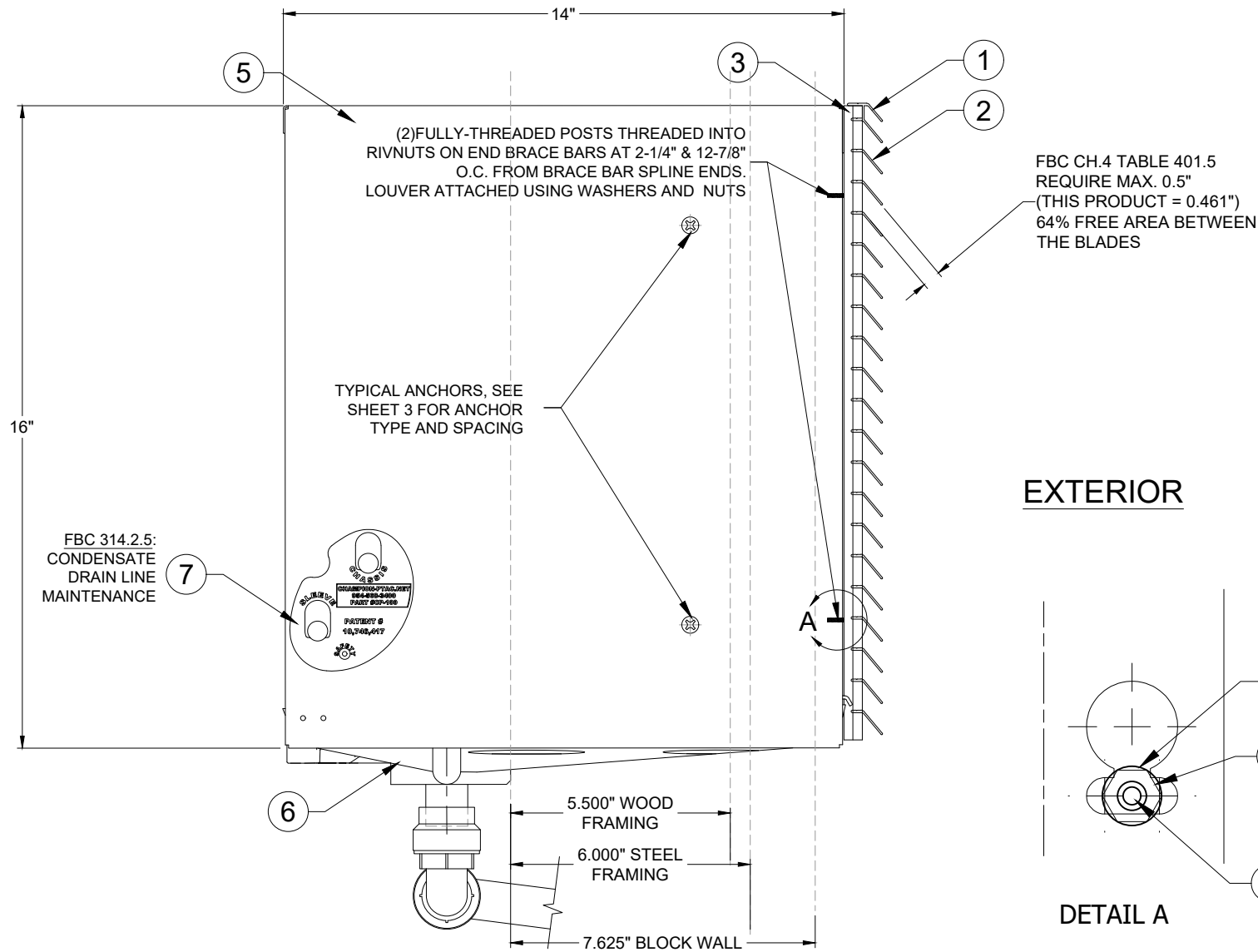
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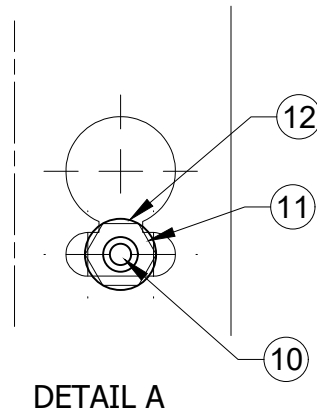
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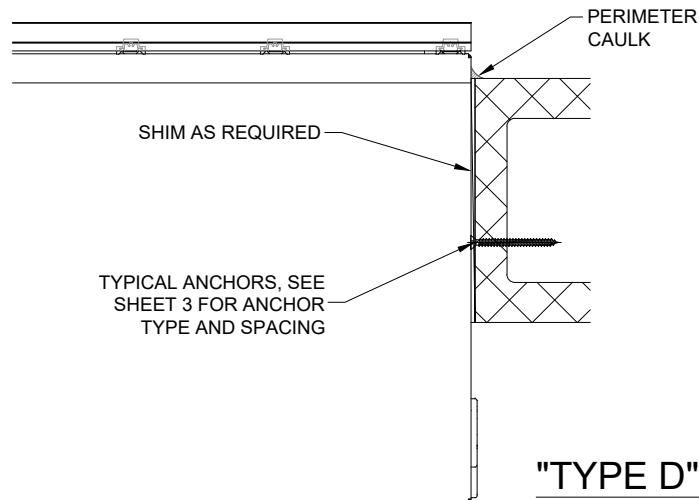
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SHEET: 2 OF 6			



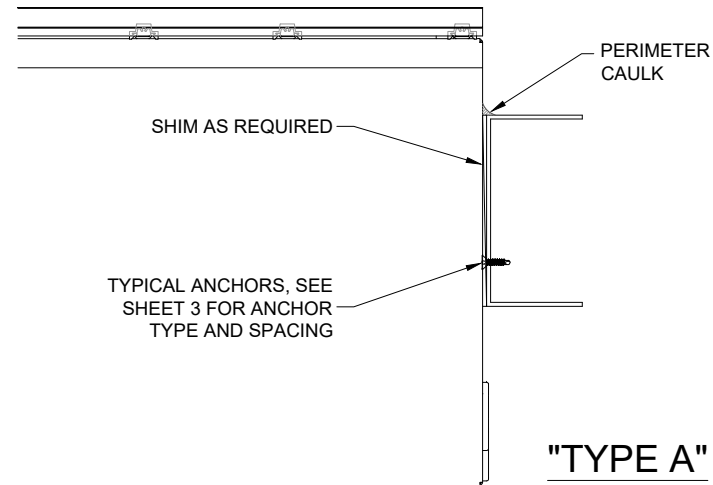
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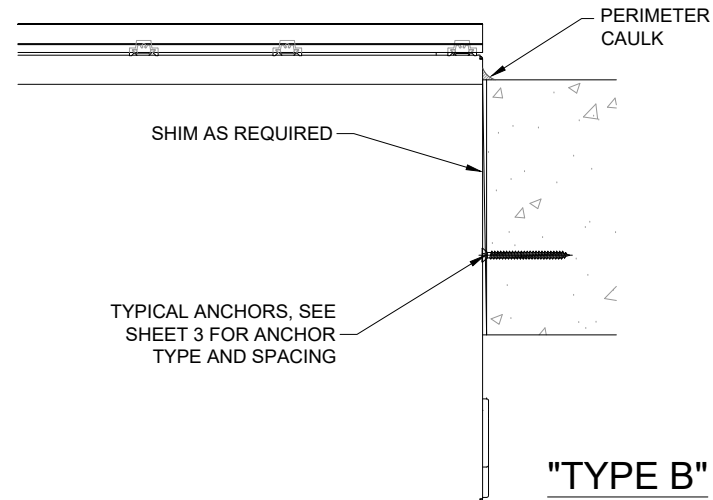
DETAIL A



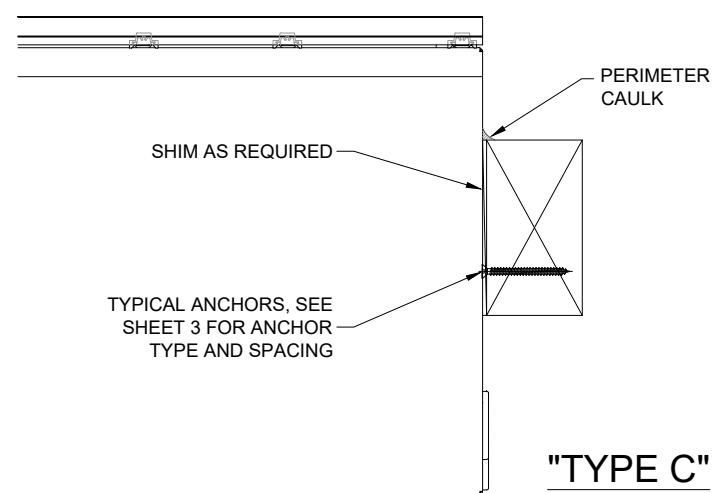
"TYPE D"



"TYPE A"



"TYPE B"



"TYPE C"

APPLICABLE TO CONDITIONS FURTHER THAN 300 FT. FROM SALTWATER COASTLINE (CHART "A")	
ANCHOR TYPES:	
"TYPE A":	1/4"-14 DRILLFLEX/ #14 S.M.S., INTO 0.090" ALUMINUM (6063-T5 MIN) OR 16 GA STEEL STUDS (Fy=33ksi min.) OR 3/8" STEEL (ASTM A-36 min.), 7/8" MIN EDGE DISTANCE.
"TYPE B":	1/4" ULTRACON, 1-3/4" EFFECTIVE EMBEDMENT INTO 2500 PSI CONCRETE WITH MIN. 2-1/2" EDGE DISTANCE.
"TYPE C":	5/16" ULTRACON, 1-1/2" MIN EMBEDMENT INTO SOUTHERN YELLOW PINE #2 WOOD (SG=0.55 MIN.) WITH 1-9/16" MIN EDGE DISTANCE.
"TYPE D":	1/4" ULTRACON INTO C-90 HOLLOW/GROUT FILLED BLOCK (F'm - 2000 PSI MIN), 1-1/4" EFFECTIVE EMBEDMENT WITH 2-1/2" EDGE DISTANCE.
APPLICABLE TO CONDITIONS WITHIN 300 FT. OF SALTWATER COASTLINE (CHART "B")	
"TYPE E":	1/4" SIMPSON STRONG TIE TYPE 316 SS TITEN TURBO, 1 1/2" MIN. EMBEDMENT, 1 1/2" EDGE DISTANCE IN SOLID CONCRETE (3000 PSI), 1 1/4" MIN. EMBEDMENT, 2" MIN. EDGE DISTANCE IN HOLLOW GROUT FILLED CMU (ASTM C90 Fc = 2000 PSI).
"TYPE F":	1/4" DEWALT AGGRE-GATOR 300 SS, 1 1/2" MIN. EMBEDMENT, 1 1/2" MIN. EDGE DISTANCE IN SOLID CONCRETE, 1 1/4" MIN. EMBEDMENT, 2" MIN. EDGE DISTANCE IN HOLLOW GROUT FILLED CMU.
"TYPE G":	1/4" OR #14 316 OR 410 SS SMS, INTO 0.090 ALUMINUM (6063-T5) OR 16 GA. STEEL STUDS, (3) THDS. THROUGH METAL SUBSTRATE, 7/8" MIN. EDGE DISTANCE.
"TYPE H":	1/4" OR #14 SS WOOD SCREW, INTO SOUTHERN PINE #2 WOOD (SG = 0.55 MIN.), 1 1/2" MIN. EMBEDMENT, 1" EDGE DISTANCE.
MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.	
NOTE: ALTERNATE ANCHOR TYPE, SUBSTRATE CONDITIONS, EMBEDMENT AND EDGE DISTANCES ARE ALLOWED, PROVIDED ANCHOR CAPACITIES ARE REVIEWED FOR PROJECT SPECIFIC DESIGN CRITERIA BY A FLORIDA LICENCED PROFESSIONAL ENGINEER.	



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SHEET: 3 OF 6			

RIGHT HAND SIDE VIEW AND ANCHOR DETAILS



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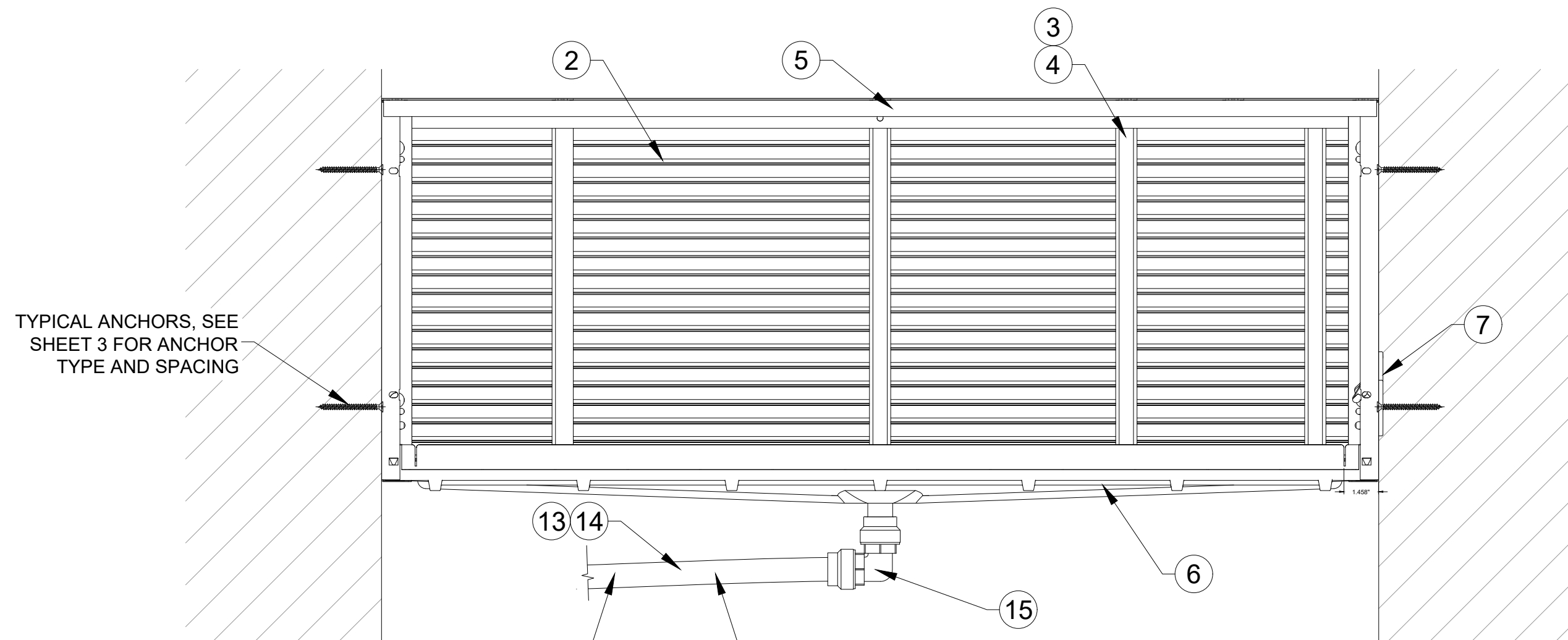
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SHEET:
4 OF 6



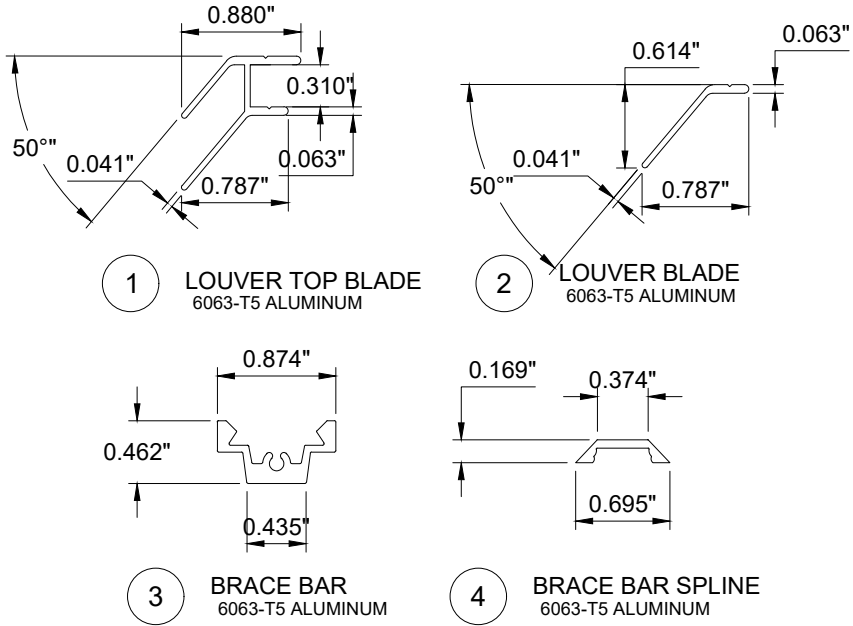
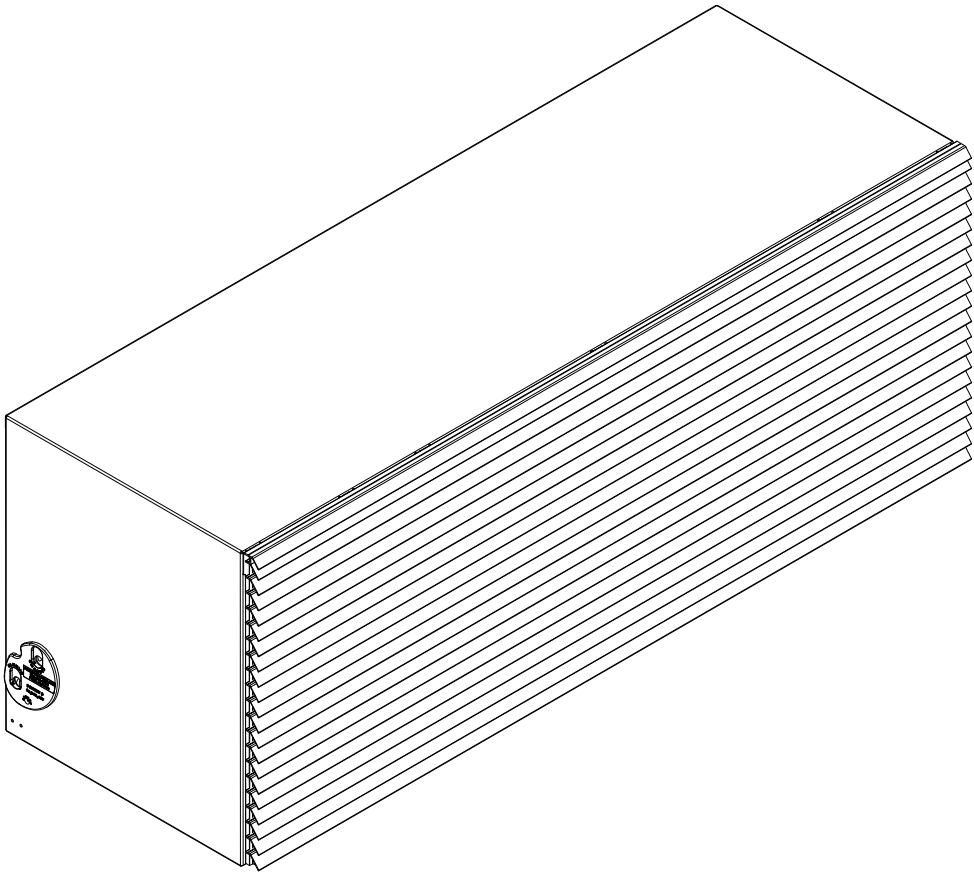
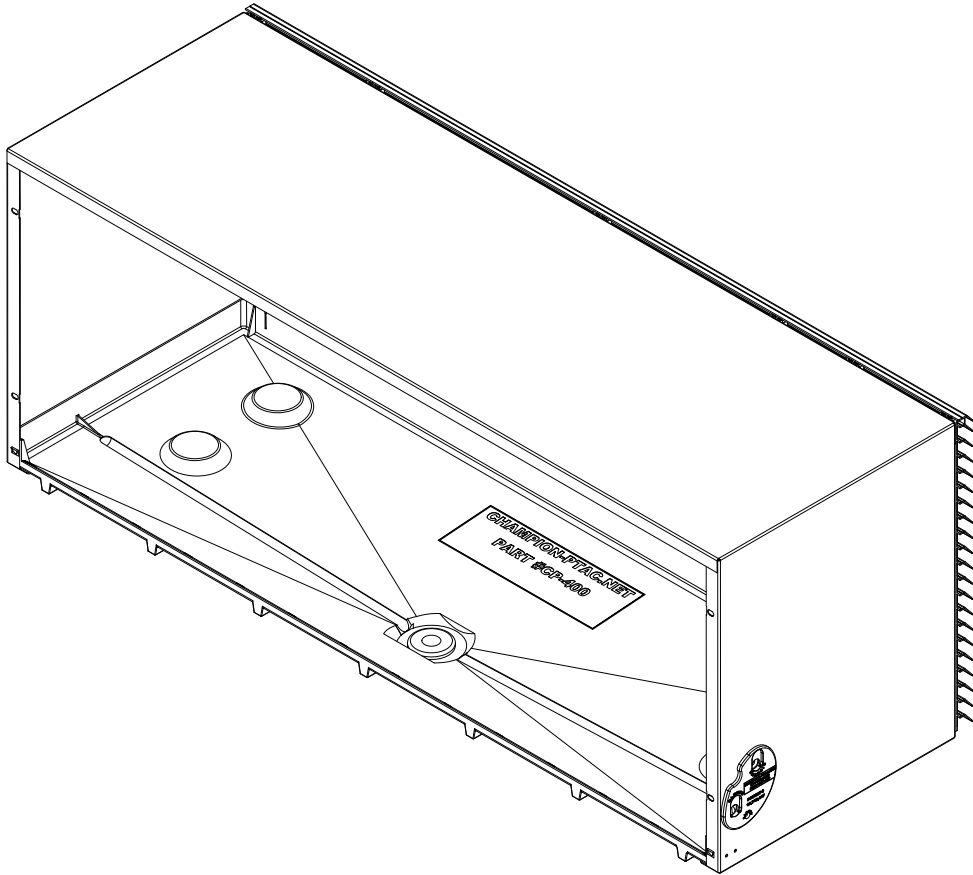
TYPICAL ANCHORS, SEE
SHEET 3 FOR ANCHOR
TYPE AND SPACING

CONNECT TO INTERIOR
CONDENSATE LINE OR
DRAIN TO EXTERIOR

FBC 314.2.2 REQUIRE MIN. 3/4" INSIDE
DIAMETER
(THIS PRODUCT = 3/4" I.D.)
AND
FBC 314.2.5:
CONDENSATE DRAIN LINE MAINTENANCE

VIEW FROM INTERIOR

BILL OF MATERIAL			
ITEM #	DESCRIPTION	MATERIAL	MANUFACTURER
1	LOUVER TOP BLADE	ALUM 6063-T6	CHAMPION PTAC
2	LOUVER BLADE	ALUM 6063-T6	CHAMPION PTAC
3	BRACE BAR	ALUM 6063-T5	CHAMPION PTAC
4	BRACE BAR SPLINE	ALUM 6063-T6	CHAMPION PTAC
5	SLEEVE	20 GAUGE STEEL	CHAMPION PTAC
6	BOTTOM PAN	ABS	CHAMPION PTAC
7	SIDE DIAL - PELLET DELIVERY	ABS	CHAMPION PTAC
8	INSIDE SNAP PLATE	ABS	CHAMPION PTAC
9	INSULATION	FIRE RATED INSULATION	CHAMPION PTAC
10	THREADED STUD	S/S #10-24 X 1" THREAD STUD	CHAMPION PTAC
11	NUT	S/S #10-24 HEX NUT	CHAMPION PTAC
12	WASHER	S/S #10 WASHER	CHAMPION PTAC
13	3/4" DRAIN HOSE	3/4" REINFORCED PVC HOSE	CHAMPION PTAC
14	HOSE INSERT	ABS	CHAMPION PTAC
15	QUICK CONNECT FITTING	3/4" PUSH FITTING	CHAMPION PTAC



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SHEET: 5 OF 6			

FOR INSTALLATIONS LESS THAN OR EQUAL TO 300 FT. FROM A SALTWATER COASTLINE:

WOOD & METAL SUBSTRATES REQUIRES STAINLESS STEEL, 100 KSI MIN. ULT. (COLD WORKED)

CONCRETE MASONRY SUBSTRATES REQUIRES 1/4" SIMPSON STRONG TIE TYPE 316 STAINLESS STEEL TITEN TURBO OR 1/4" DEWALT AGGRE-GATOR 300 SERIES STAINLESS STEEL.

FOR SOLID CONCRETE, 2.67 KSI MIN., 1 1/2" EMBEDMENT, 1 1/2" EDGE DISTANCE.

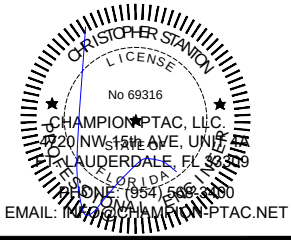
HOLLOW OR GROUT FILLED CMU APPLICATIONS, ASTM C-90, 1 1/4" MIN. EMBEDMENT, 2" MIN. EDGE DISTANCE.

ALL FASTENERS SHALL MEET THE CRITERIA OF THE 9TH EDITION FLORIDA BUILDING CODE, SECTION 1711.1.1.2.

FOR INSTALLATIONS GREATER THAN 300 FT. UP TO 3000 FT. FROM A SALTWATER COASTLINE:

ALL FASTENERS SHALL MEET THE CRITERIA OF THE 9TH EDITION FLORIDA BUILDING CODE, SECTION 1711.1.1.2.

DEWALT ULTRCON+ STALGARD COATING FASTENERS AS LISTED ON SHEET 3 MEET THESE CRITERIA WITH COATINGS PROVIDED BY THE MANUFACTURER. DEWALT DRILL-FLEX ALSO MEET THESE CORROSION RESISTANCE CRITERIA. OTHER FASTENERS MUST BE GALVANIZED OR OTHERWISE COATED IN ACCORDANCE WITH ONE OF THE STANDARDS PROVIDED IN 9TH EDITION FLORIDA BUILDING CODE, SECTION 1711.1.1.2.



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