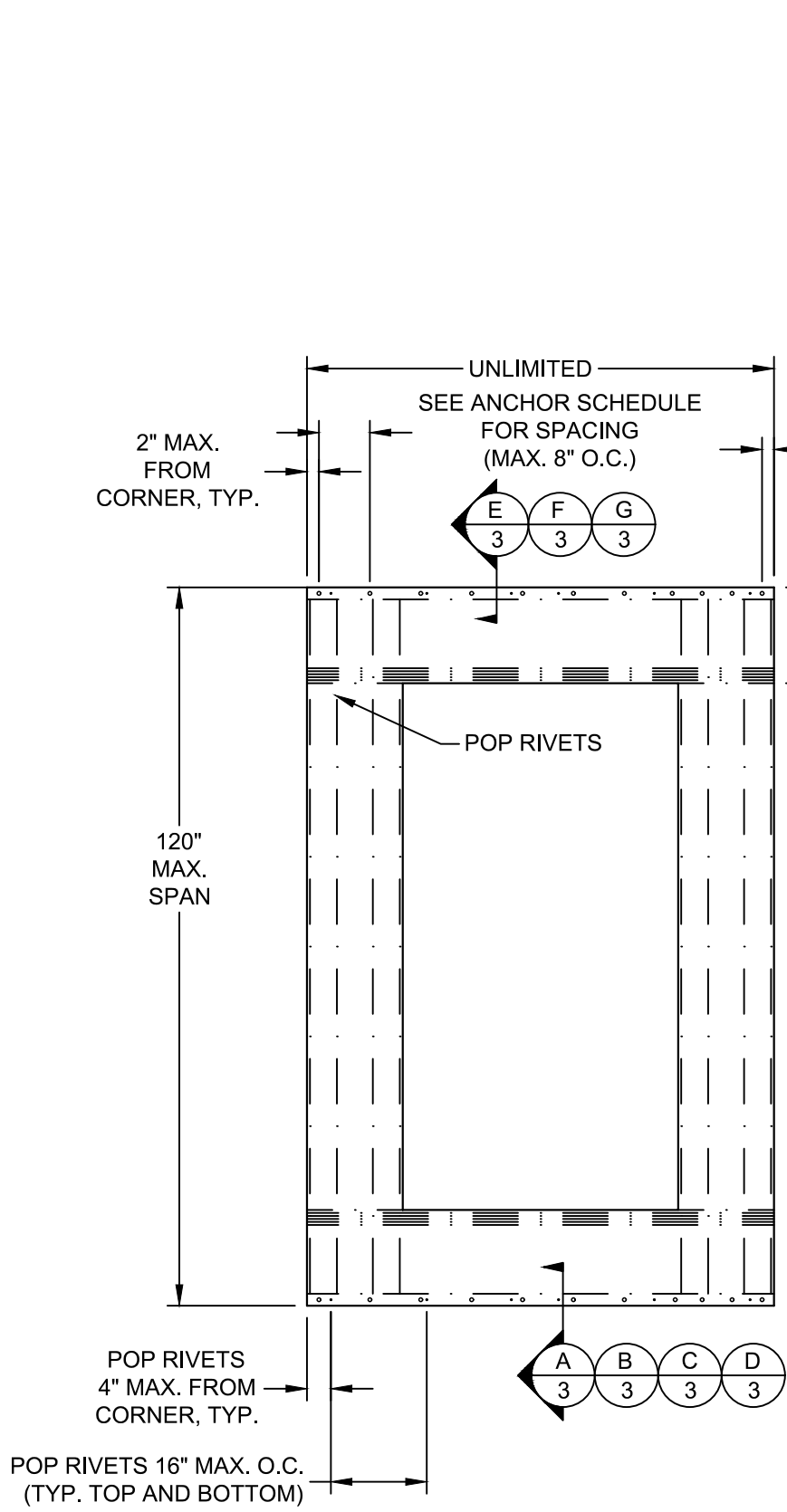
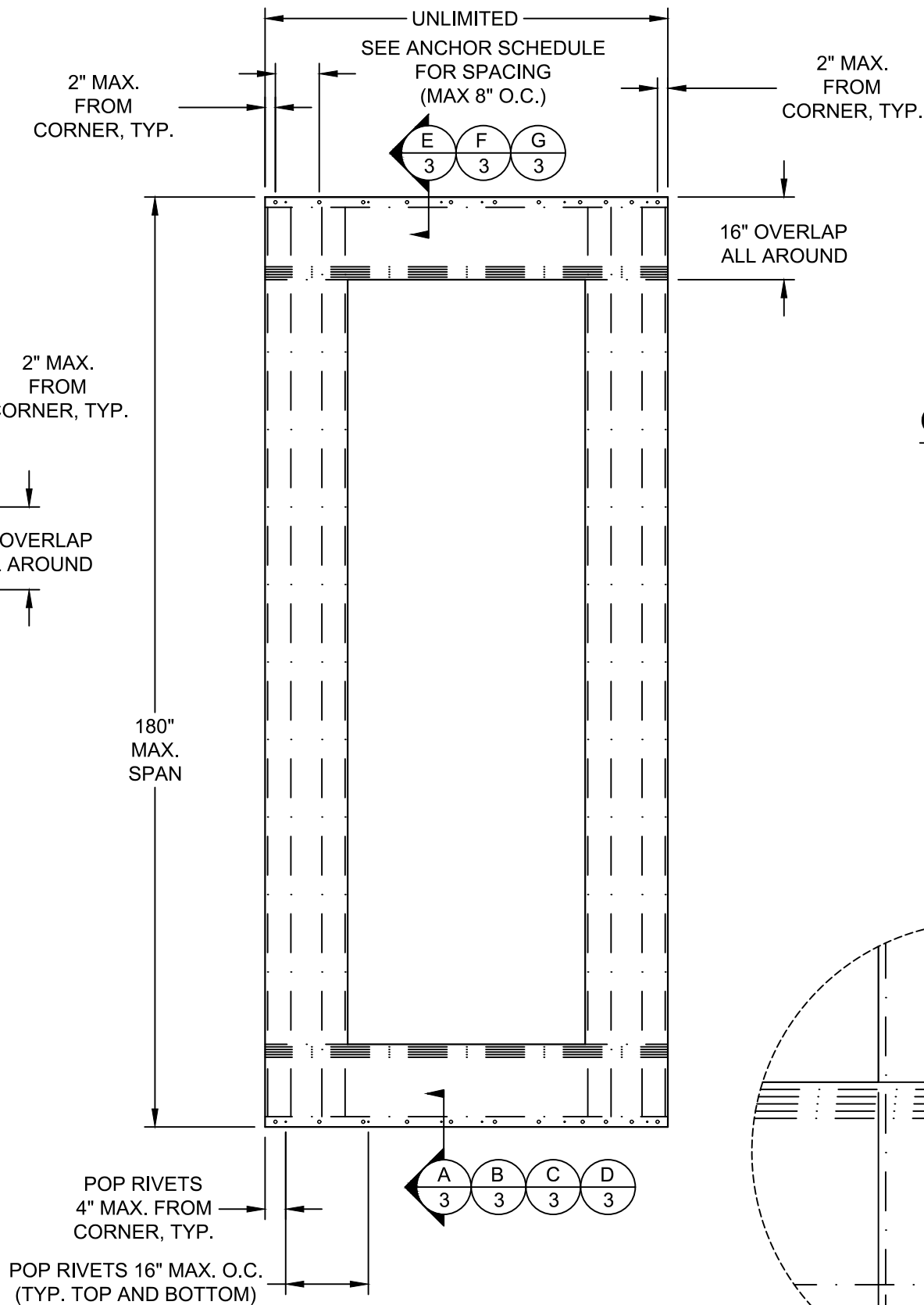




ELEVATION - 0" - 120"

EXTERIOR VIEW

DESIGN PRESSURE RATING CHART ALL APPROVED CONFIGURATIONS
+90.0/-90.0 PSF

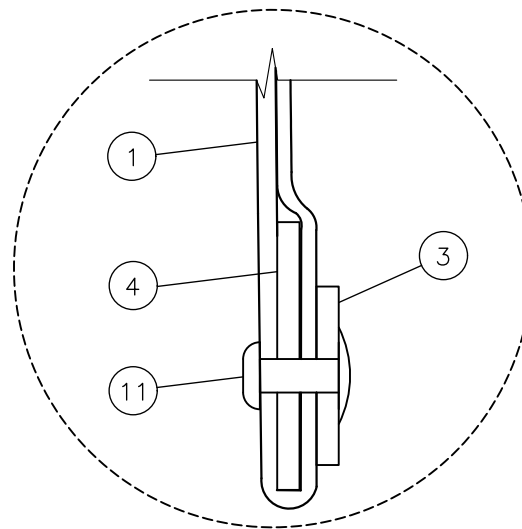
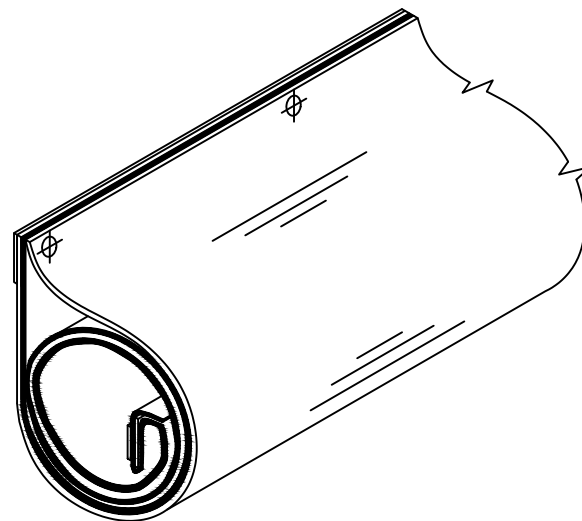


ELEVATION - 121" - 180"

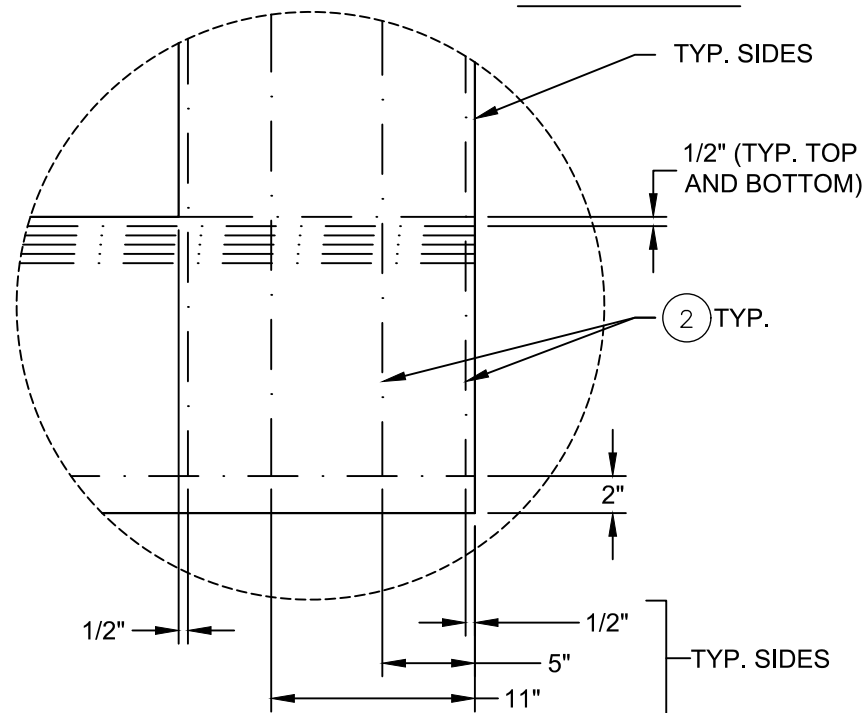
EXTERIOR VIEW

DESIGN PRESSURE RATING CHART ALL APPROVED CONFIGURATIONS
+60.0/-60.0 PSF

OPTIONAL STORAGE SYSTEM



DETAIL 1



STITCHING DETAIL

TYP. TOP, BOTTOM AND SIDES

PROJECT NO. 418-0103

CAT 5 HURRICANE SCREENS, LLC

13474 CHAMBORD ST.

BROOKSVILLE, FL 34613

WIND ABATEMENT SYSTEM
ELEVATIONS

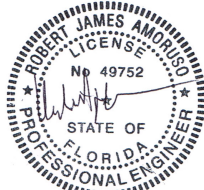
DATE: 09/09/08

DRAWING NO: CAT0005

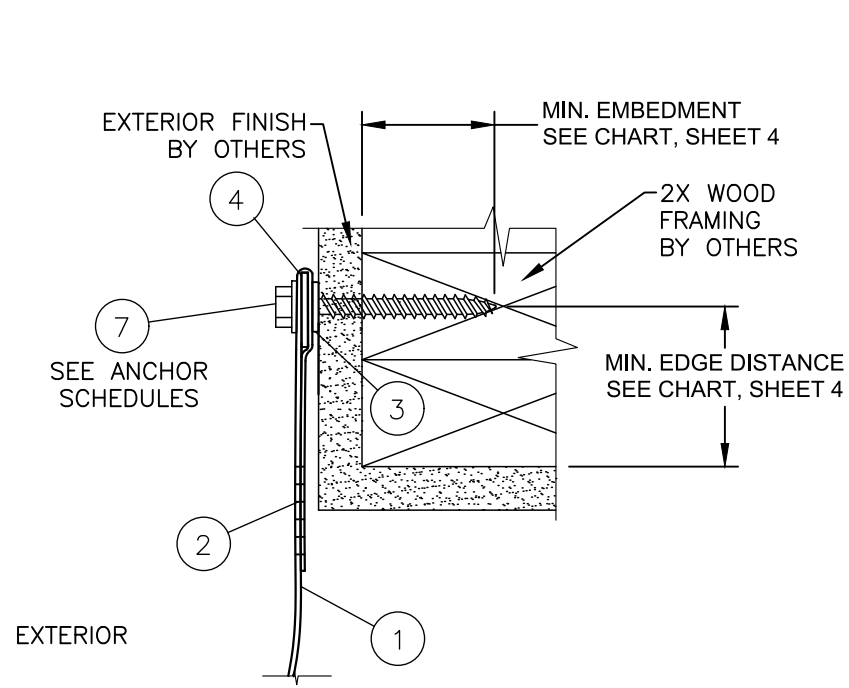
SHEET: 2 OF 5

REV: C

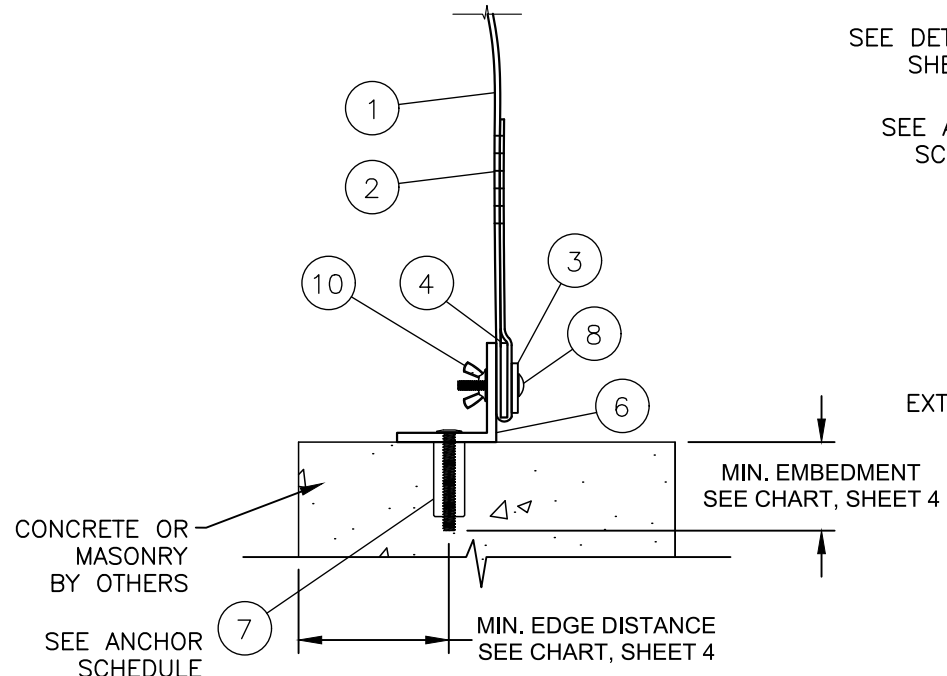
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



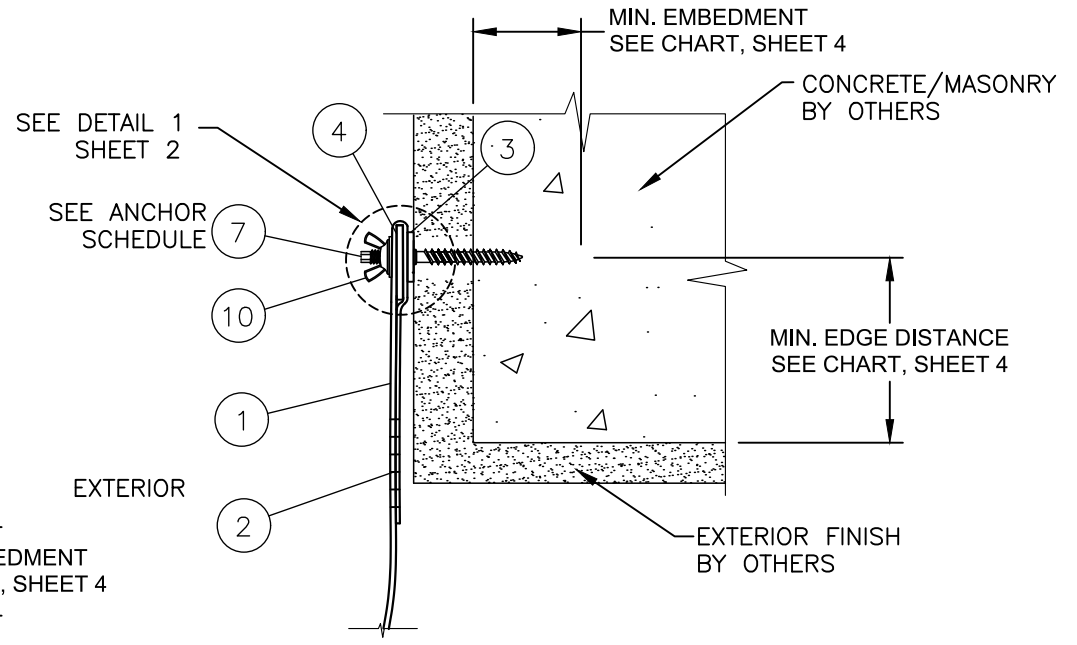
Digitally signed by
Robert J Amoruso
Date: 2018.01.19
15:40:49 -05'00'



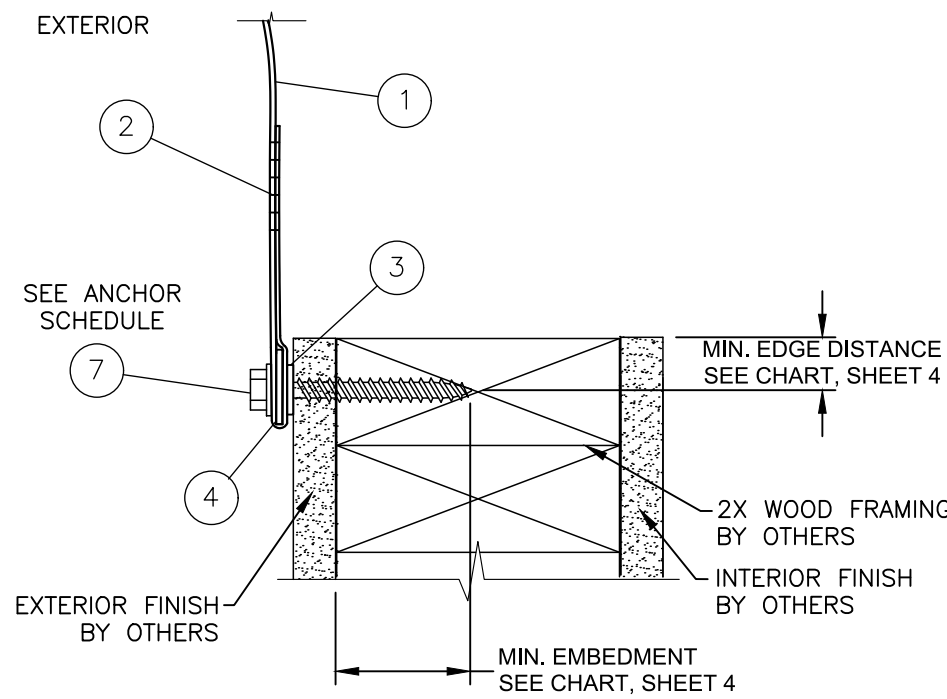
SECTION A
WOOD INSTALLATION
CONNECTION #1



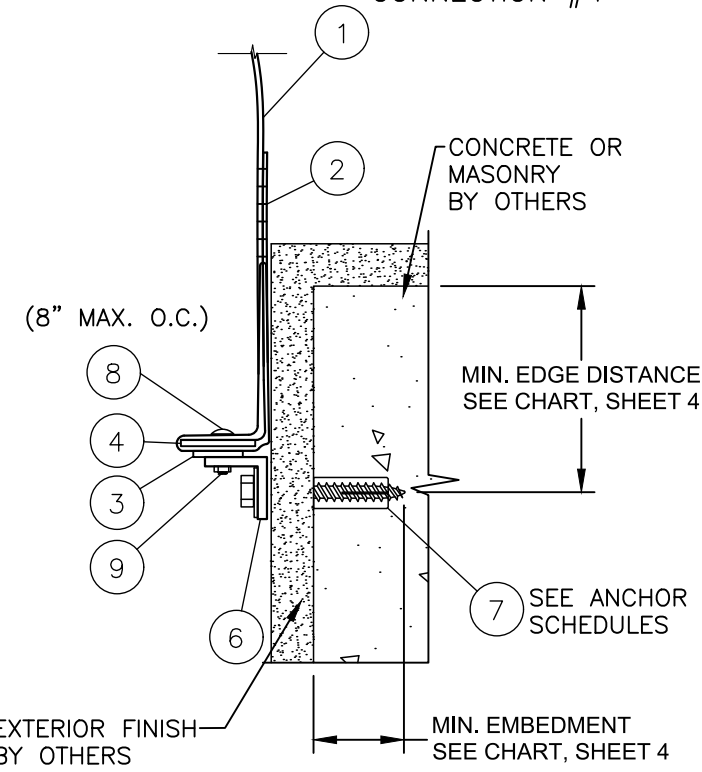
SECTION B
CONCRETE/MASONRY WITH MOUNTING ANGLE
CONNECTION #4



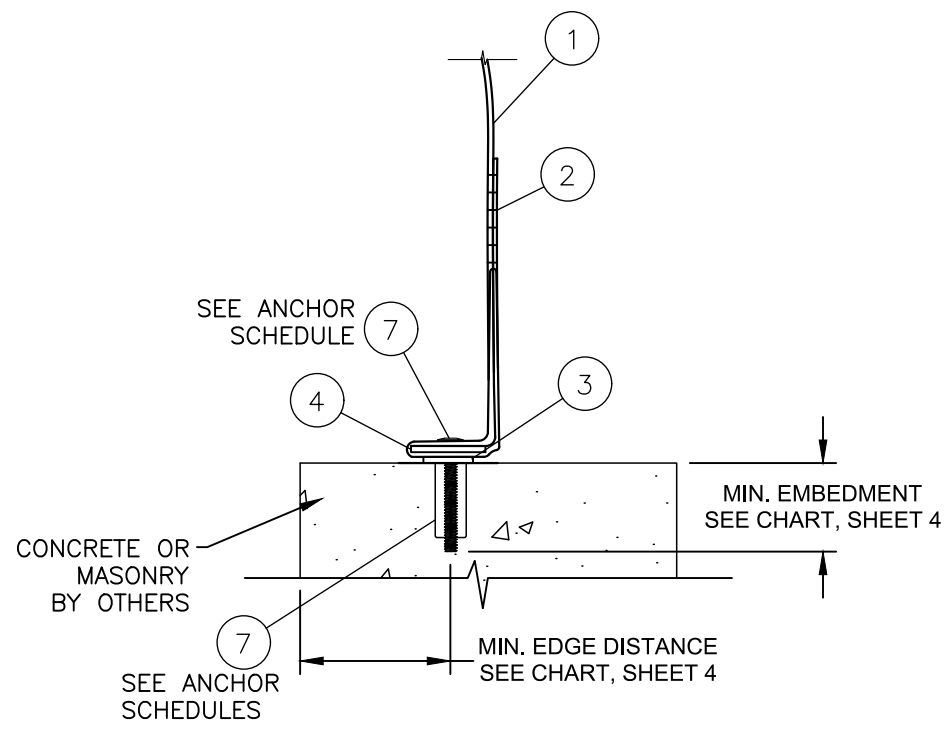
SECTION C
CONCRETE/MASONRY INSTALLATION
CONNECTION #2



SECTION D
WOOD INSTALLATION
CONNECTION #1



SECTION E
CONCRETE/MASONRY WITH MOUNTING ANGLE
CONNECTION #3



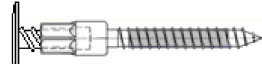
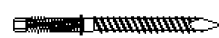
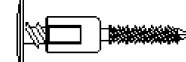
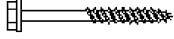
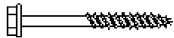
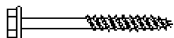
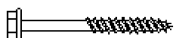
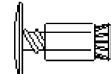
SECTION F
CONCRETE/MASONRY
CONNECTION #4

NOTE: DETAILS ARE REPRESENTATIVE REGARDLESS OF ORIENTATION OR MOUNTING SUBSTRATES. SEE SHEETS 4 AND 5 FOR VARIOUS APPROVED SUBSTRATES.

PROJECT NO. 418-0103		DATE		BY
		1/16/18		RJA
		UPDATE TO CURRENT EDITION OF THE FBC		C
		DESCRIPTION		REV
CAT 5 HURRICANE SCREENS, LLC 13474 CHAMBORD ST. BROOKSVILLE, FL 34613		DATE: 09/09/08	DRAWING NO: CAT0005	SHEET: 3 OF 5
TITLE: WIND ABATEMENT SYSTEM CROSS SECTIONS		DRAWN BY: SMC	SCALE: N.T.S.	REV: C
PREPARED BY: PTC		PTC Product Design Group, LLC 40 Box 530725 Longwood, FL 32752-0725 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com		
Robert J. Amoruso, P.E. Florida P.E. No. 49752 				
Digitally signed by Robert J Amoruso Date: 2018.01.19 15:40:36 -05'00'				

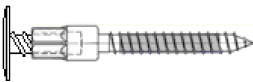
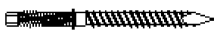
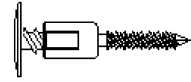
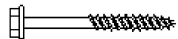
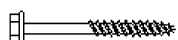
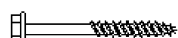
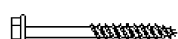
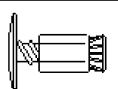
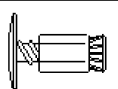
0"-120" SPAN

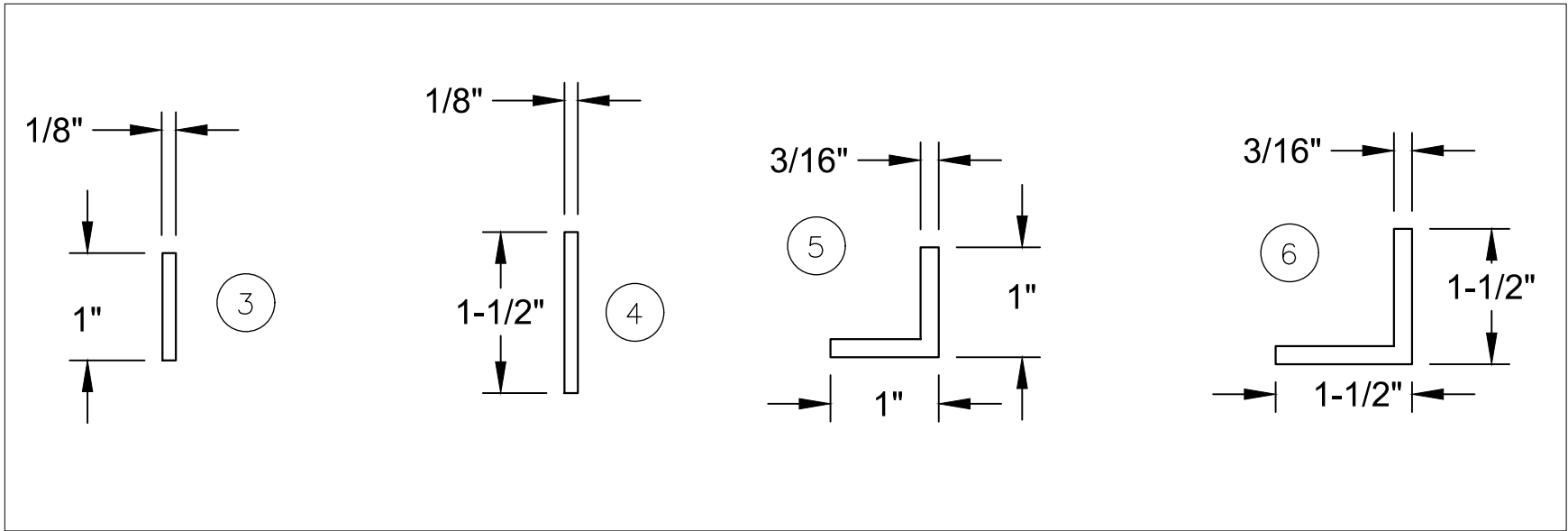
0" to 120" Span

0" to 120" Span						Connections #1, #2, & #3		Connection #4	
FASTENER TYPE		Substrate Type	Diameter (In)	Minimum Embedment (inches)	Minimum Edge Distance (inches)	Max psf at 8" O.C.	Max O.C. at 90 psf	Max psf at 8" O.C.	Max O.C. at 90 psf
ELCO MALE PANELMATE PLUS		CONCRETE	1/4"	2	2-1/2	90.0	8.0	90.0	8.0
		CMU	1/4"	1 1/4	2	42.2	3.8	46.4	4.1
		G.F. CMU	---	---	---	---	---	---	---
		WOOD (2")	1/4"	1 7/8	2	66.4	5.9	90.0	8.0
		WOOD (3/4")	1/4"	1 7/8	3/4	49.0	4.4	86.4	7.7
ELCO FEMALE PANELMATE c/w SIDEWALK BOLT		CONCRETE	1/4"	1 3/4	2 1/2	68.1	6.0	90.0	8.0
		CMU	1/4"	1 1/4	2	42.2	3.8	44.6	4.0
		G.F. CMU	---	---	---	---	---	---	---
		WOOD (2")	1/4"	1 7/8	2	66.4	5.9	90.0	8.0
		WOOD (3/4")	1/4"	1 7/8	3/4	49.0	4.4	86.4	7.7
ITW TAPCON SG		CONCRETE	1/4"	1-3/4	2-1/2	90.0	8.0	90.0	8.0
		CMU	1/4"	1 1/4	2 1/2	44.9	4.0	60.7	5.4
		G.F. CMU	1/4"	1 3/4	2 1/2	87.6	7.8	90.0	8.0
		WOOD (2")	1/4"	1 1/2	2	74.5	6.6	90.0	8.0
		WOOD (3/4")	1/4"	1 1/2	3/4	35.7	3.2	63.0	5.6
ITW SAMMYS SSC c/w SIDEWALK BOLT		CONCRETE	1/4"	2-1/4	2-1/2	81.2	7.2	90.0	8.0
		CMU	1/4"	1 1/4	2 1/2	44.9	4.0	60.7	5.4
		G.F. CMU	1/4"	2 1/2	2 1/2	87.6	7.8	90.0	8.0
		WOOD (2")	1/4"	1 1/2	2	67.9	6.0	90.0	8.0
		WOOD (3/4")	1/4"	1 1/2	2	43.2	3.8	76.2	6.8
ITW Tapcon		CONCRETE	1/4"	1-3/4"	2-3/16"	65.3	5.8	90.0	8.0
		CMU	1/4"	1-3/4"	4"	44.9	4.0	33.2	2.9
		G.F. CMU	---	1-3/4"	4"	---	---	---	---
		WOOD	---	---	---	---	---	---	---
ITW Tapcon		CONCRETE	5/16"	1-3/4"	2-1/2"	90.0	8.0	90.0	8.0
		CMU	5/16"	1-1/4"	2-1/2"	78.3	7.0	44.4	3.9
		G.F. CMU	5/16"	2-1/4"	2-1/2"	90.0	8.0	82.9	7.4
		WOOD	---	---	---	---	---	---	---
Elco Ultracon		CONCRETE	1/4"	1-3/4"	2-3/16"	75.7	6.7	80.8	7.2
		CMU	1/4"	1-1/4"	1-9/16"	52.5	4.7	29.8	2.6
		G.F. CMU	1/4"	2-1/4"	2-1/2"	53.6	4.8	87.6	7.8
		WOOD	---	---	---	---	---	---	---
Elco Ultracon		CONCRETE	5/16"	7/8"	2"	90.0	8.0	90.0	8.0
		CMU	5/16"	7/8"	2"	30.1	2.7	43.4	3.9
		G.F. CMU	5/16"	---	---	79.1	7.0	62.1	5.5
		WOOD	---	---	---	---	---	---	---
1/4-20 Machine Screw Anchor (Powers Calk-In)		CONCRETE	1/4"	7/8	2	57.8	5.1	80.0	7.1
		CMU	1/4"	7/8	2	42.5	3.8	29.8	2.6
		G.F. CMU	---	---	---	---	---	---	---
		WOOD	---	---	---	---	---	---	

121"-180" SPAN

121" to 180" Span

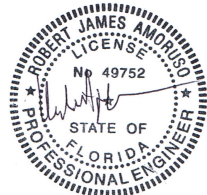
121" to 180" Span						Connections #1, #2, & #3		Connection #4	
FASTENER TYPE		Substrate Type	Dia (In)	Minimum Embedment (inches)	Minimum Edge Distance (inches)	Max psf at 8" O.C.	Max O.C. at 60 psf	Max psf at 8" O.C.	Max O.C. at 60 psf
ELCO MALE PANELMATE PLUS		CONCRETE	1/4"	2	2-1/2	60.0	8.0	60.0	8.0
		CMU	1/4"	1 1/4	2	31.7	4.2	34.9	4.6
		G.F. CMU	---	---	---	---	---	---	---
		WOOD	1/4"	1 7/8	2	49.8	6.6	60.0	8.0
ELCO FEMALE PANELMATE c/w SIDEWALK BOLT		WOOD	1/4"	1 7/8	3/4	36.8	4.9	58.0	7.7
		CONCRETE	1/4"	1 3/4	2 1/2	51.1	6.8	60.0	8.0
		CMU	1/4"	1 1/4	2	31.7	4.2	33.4	4.5
		G.F. CMU	---	---	---	---	---	---	---
ITW TAPCON SG		WOOD	1/4"	1 7/8	2	49.8	6.6	60.0	8.0
		WOOD	1/4"	1 7/8	3/4	36.8	4.9	58.0	7.7
		CONCRETE	1/4"	1-3/4	2-1/2	60.0	8.0	60.0	8.0
		CMU	1/4"	1 1/4	2 1/2	33.7	4.5	45.6	6.1
ITW SAMMYS SSC c/w SIDEWALK BOLT		WOOD	1/4"	1 1/2	2	55.9	7.5	60.0	8.0
		WOOD	1/4"	1 1/2	3/4	26.8	3.6	42.3	5.6
		CONCRETE	1/4"	2-1/4	2-1/2	36.8	8.0	60.0	8.0
		CMU	1/4"	1 1/4	2 1/2	33.7	4.5	45.6	6.1
ITW Tapcon		G.F. CMU	1/4"	2 1/2	2 1/2	60.0	8.0	60.0	8.0
		WOOD	1/4"	1 1/2	2	50.9	6.8	60.0	8.0
		WOOD	1/4"	1 1/2	3/4	32.4	4.3	51.1	6.8
		CONCRETE	1/4"	1-3/4"	2-1/2"	49.0	6.5	60.0	8.0
ITW Tapcon		CMU	1/4"	1-1/4"	2-1/2"	33.7	4.5	24.9	3.3
		G.F. CMU	---	---	---	---	---	---	---
		WOOD	---	---	---	---	---	---	---
		CONCRETE	5/16"	1-3/4"	2-3/16"	0.0	8.0	60.0	8.0
Elco Ultracon		CMU	5/16"	1-3/4"	4"	52.6	7.0	33.3	4.4
		G.F. CMU	5/16"	1-3/4"	4"	0.0	8.0	60.0	8.0
		WOOD	---	---	---	---	---	---	---
		CONCRETE	1/4"	1-3/4"	2-1/2"	56.8	7.6	60.0	8.0
Elco Ultracon		CMU	1/4"	1-1/4"	2-1/2"	35.2	4.7	22.3	3.0
		G.F. CMU	1/4"	2-1/4"	2-1/2"	40.2	5.4	60.0	8.0
		WOOD	---	---	---	---	---	---	---
		CONCRETE	5/16"	1-3/4"	2-3/16"	0.0	8.0	60.0	8.0
1/4-20 Machine Screw Anchor (Powers Calk-In)		CMU	5/16"	1-1/4"	1-9/16"	22.6	3.0	32.6	4.3
		G.F. CMU	5/16"	2-1/4"	2-1/2"	59.4	7.9	46.6	6.2
		WOOD	---	---	---	---	---	---	---
		CONCRETE	1/4"	7/8"	2"	43.4	5.8	60.0	8.0
1/4-20 Machine Screw Anchor (Powers Calk-In)		CMU	1/4"	7/8"	2"	31.9	4.3	22.3	3.0
		G.F. CMU	---	---	---	---	---	---	---
		WOOD	---	---	---	---	---	---	---
		CONCRETE	1/4"	7/8"	2"	43.4	5.8	60.0	8.0



BILL OF MATERIALS

ITEM #	DESCRIPTION	MATERIAL
1	POLYPROPYLENE FABRIC (COLORS MAY VARY)	
2	THREAD - 16 OZ. ANEFIL POLYETHYLENE (COLORS MAY VARY)	
3	1" X 1/8" THICK ALUMINUM FLAT BAR	6061-T6 ALLOY
4	1-1/2" X 1/8" THICK ALUMINUM FLAT BAR	6061-T6 ALLOY
5	1" X 1" X 3/16" THICK ALUMINUM ANGLE	6061-T6 ALLOY
6	1-1/2" X 1-1/2" X 3/16" THICK ALUMINUM ANGLE	6061-T6 ALLOY
7	ANCHORS, SEE ANCHOR SCHEDULES	
8	1/4"-20 X 3/4" 18-8 STAINLESS STEEL BOLT (WITH VARIOUS HEAD TYPES)	
9	1/4"-20 18-8 STAINLESS STEEL LOCK NUT	
10	1/4"-20 WINGNUT	
11	3/16" ALUMINUM POP RIVET 1/2" LONG	

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



Digitally signed by
Robert J Amoruso
Date: 2018.01.19
15:40:21 -05'00'

PROJECT NO. 418-0103

CAT 5 HURRICANE SCREENS, LLC
13474 CHAMBORD ST.
BROOKSVILLE, FL 34613

WIND ABATEMENT SYSTEM
CHARTS, B.O.M. & COMPONENTS

DRAWN BY:	DATE:
-----------	-------

SMC

SCALE:

N.T.S.

REV: SHE

4

PROJECT NO. 418-0103				
REV	DESCRIPTION	DATE	BY	
C	UPDATE TO CURRENT EDITION OF THE FBC	1/16/18	RJA	

