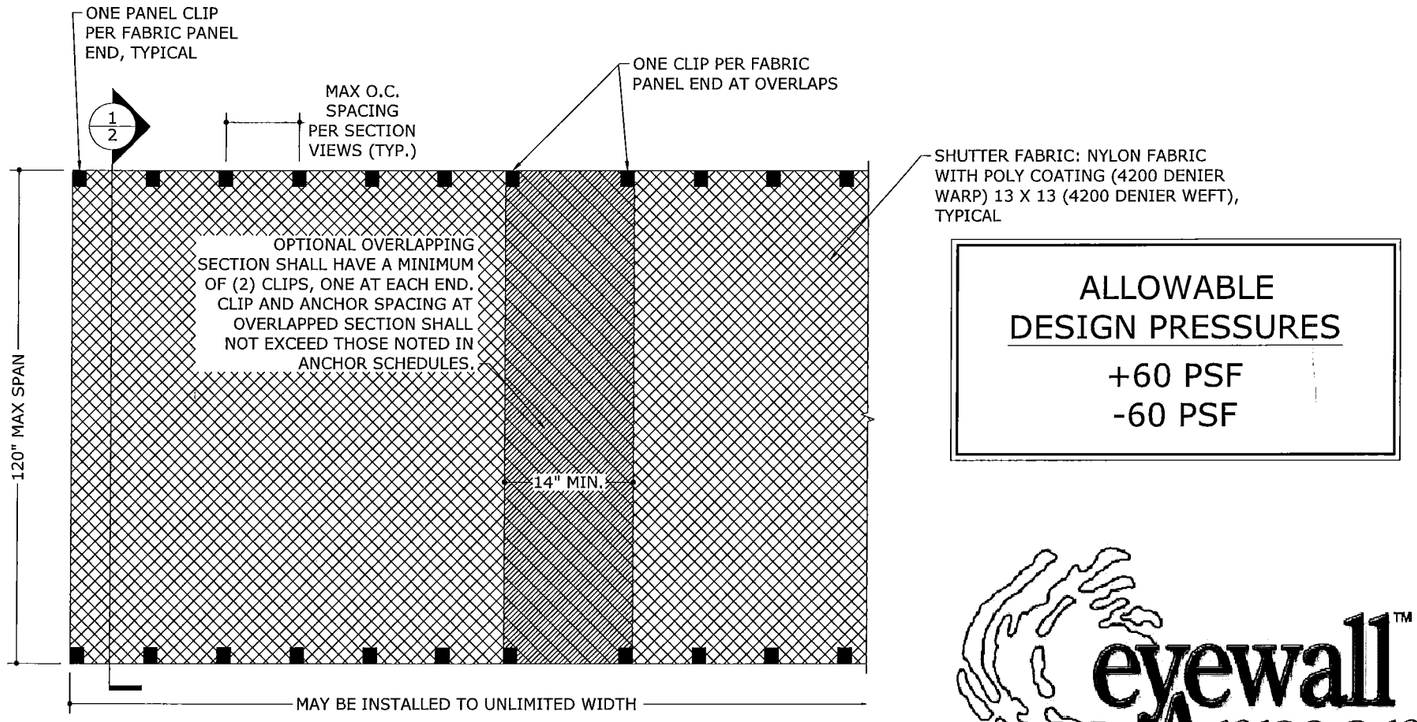
EYEWALL ARMOR FABRIC SHUTTER

FOR USE WITHIN TEXAS INLAND ZONE I/II & SEAWARD ZONES



NOTE: PANELS MAY BE MOUNTED VERTICALLY OR HORIZONTALLY. VERTICAL MOUNT SHOWN HERE.

2/1 TYPICAL PANEL INSTALLTION

N.T.S. EXTERIOR ELEV

ALLOWABLE DESIGN PRESSURES

+60 PSF
-60 PSF

eyewall™ Armor
HURRICANE PROTECTION

GENERAL NOTES

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE 2006 INTERNATIONAL BUILDING CODE WITH REVISIONS EFFECTIVE JANUARY 1, 2008, FOR USE WITHIN TEXAS INLAND ZONE II, INLAND ZONE I AND SEAWARD ZONES. THIS SYSTEM HAS BEEN TESTED IN ACCORDANCE WITH ASTM E330, E1996, AND E1886 TESTING STANDARDS PER TEST REPORT C9417.01-450-44 AND E1014.01-450-44 BY ARCHITECTURAL TESTING.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
3. THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR.
4. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED PER SEPARATE ENGINEERING IN ACCORDANCE WITH THE GOVERNING CODE. PRESSURE REQUIREMENTS SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.
5. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
6. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
7. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
8. CONCRETE ANCHORS NOTED HEREIN SHALL BE EMBEDDED TO UN-CRAKCED CONCRETE ONLY. INSTALL ALL CONCRETE ANCHORS PER MANUFACTURE'S RECOMMENDATIONS.
9. THIS SYSTEM IS INTENDED FOR USE ONLY DURING WIND STORM EVENTS. WHEN NOT IN USE, PRODUCT SHALL BE PROPERLY STORED AWAY FROM PROLONGED EXPOSURE TO DIRECT SUNLIGHT OR OTHER WEATHERING CONDITIONS.
10. MAXIMUM PANEL SPAN: 10'-0"
11. MAXIMUM ALLOWABLE DESIGN PRESSURE: ±60 PSF
12. PANELS SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER PANEL CONTAINING THE FOLLOWING MINIMUM INFORMATION:
    TOWN & COUNTRY INDUSTRIES
    FORT LAUDERDALE, FL
    MISSILE LEVEL D - ASTM E1886, E1996 & E330
    TDI SHU#
13. HURRICANE FABRIC PANELS MAY BE MOUNTED VERTICALLY OR HORIZONTALLY AS APPLICABLE.
14. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

FRANK L. BENNARDO, P.E.
PE96064
STATE OF TEXAS
FRANK L. BENNARDO
96064
LICENSED
PROFESSIONAL ENGINEER
4/14/2014

FRANK L. BENNARDO, P.E.
160 SW 12th AVENUE, SUITE 106
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 FAX: (954) 354-0662
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Town & Country INDUSTRIES
Wholesale Aluminum and Building Products
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400 WEST MCNAB ROAD
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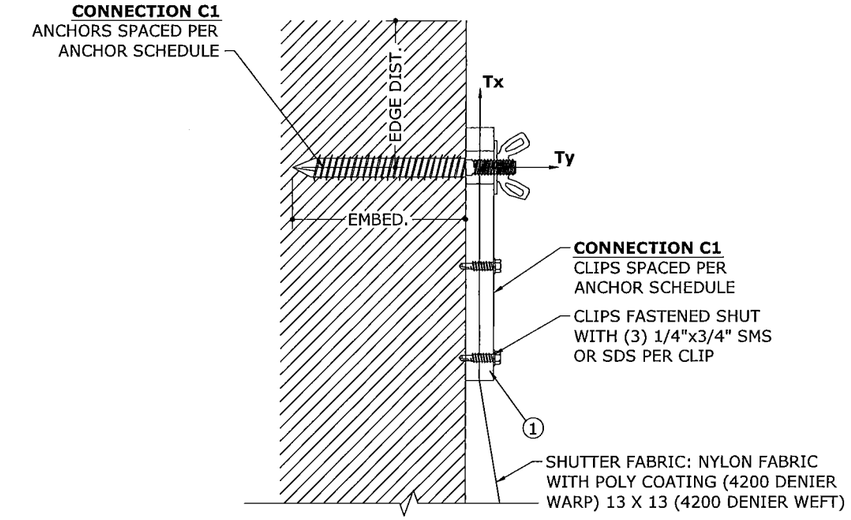
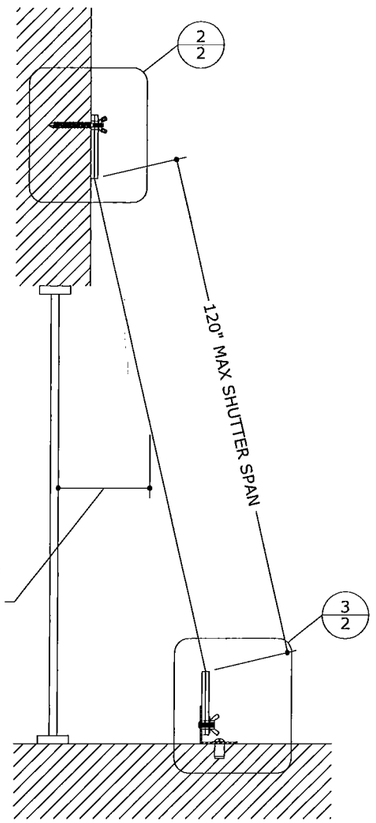


2/2 TYPICAL WALL MOUNT

N.T.S. VERT SECTION

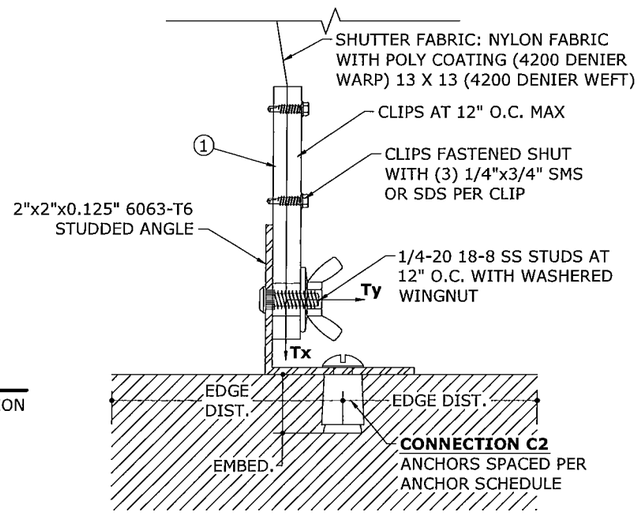
LOAD ON EXISTING STRUCTURE FROM SCREEN SYSTEM Tx = PARALLEL LOADS (PLF)					
SPAN	DESIGN PRESSURE				
	60 PSF	53 PSF	45 PSF	38 PSF	33 PSF
3'-6"	340.4	313.4	281.0	251.1	228.5
4'-6"	402.5	370.6	332.3	296.9	270.2
5'-7"	464.8	427.9	383.7	342.8	312.0
6'-6"	514.3	473.5	424.6	379.3	345.3
8'-6"	615.1	566.2	507.7	453.6	412.9
10'-0"	685.5	631.0	565.8	505.5	460.1

LOAD ON EXISTING STRUCTURE FROM SCREEN SYSTEM Ty = PERPENDICULAR LOADS (PLF)					
SPAN	DESIGN PRESSURE				
	60 PSF	53 PSF	45 PSF	38 PSF	33 PSF
3'-6"	105.0	92.8	78.8	66.5	57.8
4'-6"	135.0	119.3	101.3	85.5	74.3
5'-7"	167.5	148.0	125.6	106.1	92.1
6'-6"	195.0	172.3	146.3	123.5	107.3
8'-6"	255.0	225.3	191.3	161.5	140.3
10'-0"	300.0	265.0	225.0	190.0	165.0



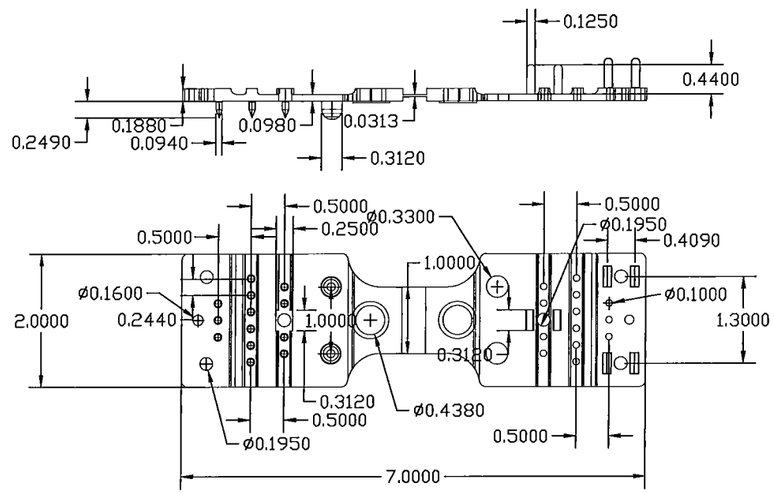
1/2 TYPICAL SHUTTER

N.T.S. VERT SECTION



3/2 TYPICAL TRAP MOUNT

N.T.S. VERT SECTION



1 SHUTTER CLIP

N.T.S. MATERIAL: NYLON 6

FRANK L. BENNARDO, P.E.
FL PE#60644
STATE OF FLORIDA
FRANK L. BENNARDO
P.E. 60644
LICENSED
PROFESSIONAL ENGINEER
06/14/14
FRANK L. BENNARDO, P.E.
160 SW 12th AVENUE
DEERFIELD BEACH, FL 33442
PH: (954) 354-0660 FAX: (954) 354-0633
POWERED BY THE INNOVATION OF ENGINEERS
ENGINEER EXPRESS®
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Town & Country INDUSTRIES
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2 OF 5

ANCHOR NOTES:

1. SEE SECTION VIEWS FOR ANCHOR LOCATIONS AND/OR SPACING.
2. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
3. UNLESS OTHERWISE NOTED HEREIN, WHERE ANCHORS FASTEN TO NARROW FACE OF STUD FRAMING, ANCHOR SHALL BE LOCATED IN CENTER OF NOMINAL 2x (MIN) WOOD STUD (i.e. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR ANCHORS TO WOOD FRAMING, PER APPLICABLE ANCHOR SCHEDULE).
4. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
5. ANCHOR SCHEDULE APPLIES TO ALL PRODUCTS CERTIFIED HEREIN, BUT ONLY PROVIDES MAXIMUM ALLOWABLE ANCHOR SPACING. MAXIMUM ALLOWABLE SPANS AND PRESSURES INDICATED IN SPAN SCHEDULE SHALL APPLY.
6. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
7. MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN HEAD, TRUSS HEAD, OR WAFER HEAD ("SIDEWALK BOLT") U.N.O.
8. "N/A" DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ACCEPTABLE FOR USE.

ANCHOR SCHEDULES:

HOST STRUCT.	ANCHOR TYPE	LOAD (psf)	2.5" MIN EDGE DISTANCE											
			Spans Up To 3'-6"		Spans Up To 4'-6"		Spans Up To 5'-7"		Spans Up To 6'-6"		Spans Up To 8'-6"		Spans Up To 10'-0"	
			CONN TYPE		CONN TYPE		CONN TYPE		CONN TYPE		CONN TYPE		CONN TYPE	
			C1	C2	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2
CONCRETE	5/16" ITW TAPCON XL, 2-1/4" EMBED (2899 PSI CONC)	33	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	11.0"
		38	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	11.9"	12.0"	9.9"
		45	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	10.5"	12.0"	8.7"
		53	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	9.3"	12.0"	7.7"
		60	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	11.8"	12.0"	8.4"	12.0"	7.0"
	1/4" ELCO PANELMATE, MALE OR FEMALE, 1-3/4" EMBED (3323 PSI CONC)	33	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	9.0"	11.4"	7.4"
		38	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	11.3"	12.0"	8.1"	10.3"	6.7"
		45	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	9.9"	11.1"	7.1"	9.1"	5.9"
		53	12.0"	12.0"	12.0"	12.0"	12.0"	10.7"	12.0"	8.7"	9.9"	6.2"	8.1"	5.2"
		60	12.0"	12.0"	12.0"	12.0"	12.0"	9.7"	12.0"	7.9"	9.0"	5.7"	7.4"	4.7"
	1/4" ITW TAPCON SG, 1-3/4" EMBED (3295 PSI CONC)	33	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	9.9"
		38	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	10.8"	12.0"	8.9"
		45	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	9.5"	12.0"	7.8"
		53	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	11.7"	12.0"	8.4"	12.0"	6.9"
		60	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	10.6"	12.0"	7.6"	11.6"	6.3"
	1/4" ITW SAMMYS SSC, 2-1/4" EMBED (3295 PSI CONC)	33	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	10.4"
		38	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	11.2"	12.0"	9.3"
		45	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	9.9"	11.1"	8.2"
		53	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	8.7"	9.9"	7.2"
		60	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	10.9"	11.0"	7.9"	9.1"	6.5"
	1/4" ALL POINTS SOLID-SET, 7/8" EMBED (3000 PSI CONC)	33	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	11.6"	12.0"	8.3"	12.0"	6.8"
		38	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	10.4"	12.0"	7.4"	12.0"	6.1"
		45	12.0"	12.0"	12.0"	12.0"	12.0"	11.4"	12.0"	9.2"	12.0"	6.5"	10.7"	5.4"
		53	12.0"	12.0"	12.0"	12.0"	12.0"	10.0"	12.0"	8.1"	11.4"	5.8"	9.4"	4.8"
		60	12.0"	12.0"	12.0"	11.7"	12.0"	9.1"	12.0"	7.3"	10.4"	5.2"	8.6"	4.3"
			2.0" MIN EDGE DISTANCE											
	1/4" ALL POINTS SOLID-SET, 7/8" EMBED (3000 PSI CONC)	33	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	10.2"	12.0"	7.3"	11.6"	6.0"
		38	12.0"	12.0"	12.0"	12.0"	12.0"	11.4"	12.0"	9.2"	12.0"	6.5"	10.5"	5.4"
		45	12.0"	12.0"	12.0"	12.0"	12.0"	10.0"	12.0"	8.1"	11.2"	5.7"	9.2"	4.7"
		53	12.0"	12.0"	12.0"	11.4"	12.0"	8.8"	12.0"	7.1"	9.9"	5.1"	8.2"	4.2"
		60	12.0"	12.0"	12.0"	10.3"	12.0"	8.0"	12.0"	6.5"	9.0"	4.6"	7.5"	3.8"
			4.0" MIN EDGE DISTANCE											
	1/4" ELCO PANELMATE INSERT, 1-5/8" EMBED (2700 PSI CONC)	33	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	9.7"	12.0"	8.0"
		38	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	8.7"	11.3"	7.2"
		45	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	10.7"	12.0"	7.7"	10.0"	6.3"
		53	12.0"	12.0"	12.0"	12.0"	12.0"	11.6"	12.0"	9.4"	10.8"	6.7"	8.9"	5.6"
		60	12.0"	12.0"	12.0"	12.0"	12.0"	10.5"	12.0"	8.5"	9.9"	6.1"	8.2"	5.1"

STATE OF TEXAS
FRANK L. BENNARDO
96064
LICENSED
PROFESSIONAL ENGINEER

FRANK L. BENNARDO, P.E.
96064
STATE OF FLORIDA
10/14/2014

FRANK L. BENNARDO, P.E.
160 SW 12th AVENUE, #100
DEERFIELD BEACH, FL 33442
PH: (954) 354-0660 FAX: (954) 354-0443

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ANCHOR SCHEDULES (CONT.):

HOST STRUCT.	ANCHOR TYPE	LOAD (psf)	2.5" MIN EDGE DISTANCE											
			Spans Up To 3'-6" CONN TYPE		Spans Up To 4'-6" CONN TYPE		Spans Up To 5'-7" CONN TYPE		Spans Up To 6'-6" CONN TYPE		Spans Up To 8'-6" CONN TYPE		Spans Up To 10'-0" CONN TYPE	
			C1	C2	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2
GROUT-FILLED BLOCK	5/16" ELCO ULTRACON, 2-1/4" EMBED	33	12.0"	12.0"	12.0"	11.4"	12.0"	8.7"	12.0"	7.0"	11.6"	N/A	9.6"	N/A
		38	12.0"	12.0"	12.0"	10.2"	12.0"	7.9"	12.0"	6.3"	10.4"	N/A	8.6"	N/A
		45	12.0"	10.9"	12.0"	9.0"	12.0"	6.9"	12.0"	5.6"	9.1"	N/A	7.6"	N/A
		53	12.0"	9.6"	12.0"	7.9"	12.0"	6.1"	11.2"	N/A	8.0"	N/A	6.7"	N/A
		60	12.0"	8.7"	12.0"	7.2"	12.0"	5.5"	10.2"	N/A	7.3"	N/A	6.1"	N/A
	1/4" ELCO ULTRACON, 2-1/4" EMBED	33	12.0"	12.0"	12.0"	12.0"	12.0"	11.4"	12.0"	9.3"	8.8"	6.6"	7.3"	5.5"
		38	12.0"	12.0"	12.0"	12.0"	12.0"	10.2"	11.4"	8.3"	8.0"	5.9"	6.6"	4.9"
		45	12.0"	12.0"	12.0"	11.5"	12.0"	8.9"	10.1"	7.2"	7.1"	5.2"	5.8"	N/A
		53	12.0"	12.0"	12.0"	10.1"	11.3"	7.8"	9.0"	6.4"	6.3"	4.6"	5.2"	N/A
		60	12.0"	11.2"	12.0"	9.1"	10.4"	7.1"	8.2"	5.8"	5.8"	N/A	4.8"	N/A
	1/4" ITW TAPCON SG, 1-3/4" EMBED	33	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	9.9"
		38	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	10.8"	10.9"	8.9"
		45	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	11.9"	9.4"	9.7"	7.8"
		53	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	11.5"	10.6"	8.3"	8.7"	6.9"
		60	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	10.4"	9.7"	7.5"	8.0"	6.2"
	1/4" ITW SAMMYS SSC, 2-1/2" EMBED	33	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	9.6"	9.9"	7.9"	8.2"
		38	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	8.7"	8.8"	7.2"	7.3"
		45	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	11.1"	10.6"	7.8"	7.7"	6.4"	6.4"
		53	12.0"	12.0"	12.0"	12.0"	12.0"	11.3"	10.0"	9.3"	6.9"	6.7"	5.7"	5.6"
		60	12.0"	12.0"	12.0"	12.0"	11.6"	10.2"	9.1"	8.4"	6.4"	6.1"	5.2"	5.1"
			3.5" MIN EDGE DISTANCE											
	1/4" ELCO PANELMATE INSERT, 1-1/2" EMBED	33	12.0"	12.0"	12.0"	12.0"	12.0"	10.1"	12.0"	8.1"	12.0"	5.7"	11.2"	4.7"
		38	12.0"	12.0"	12.0"	11.7"	12.0"	9.0"	12.0"	7.3"	12.0"	5.2"	10.1"	4.3"
		45	12.0"	12.0"	12.0"	10.3"	12.0"	7.9"	12.0"	6.4"	10.7"	4.6"	8.8"	N/A
		53	12.0"	11.0"	12.0"	9.1"	12.0"	7.0"	12.0"	5.6"	9.4"	4.0"	7.8"	N/A
		60	12.0"	10.0"	12.0"	8.2"	12.0"	6.4"	11.9"	5.1"	8.5"	N/A	7.1"	N/A

HOST STRUCT.	ANCHOR TYPE	LOAD (psf)	2.5" MIN EDGE DISTANCE											
			Spans Up To 3'-6" CONN TYPE		Spans Up To 4'-6" CONN TYPE		Spans Up To 5'-7" CONN TYPE		Spans Up To 6'-6" CONN TYPE		Spans Up To 8'-6" CONN TYPE		Spans Up To 10'-0" CONN TYPE	
			C1	C2	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2
HOLLOW BLOCK	1/4" ELCO PANELMATE, MALE OR FEMALE, 1-1/4" EMBED	33	12.0"	10.1"	12.0"	8.3"	11.8"	6.4"	9.4"	5.2"	6.7"	3.7"	5.5"	3.0"
		38	12.0"	9.1"	12.0"	7.5"	10.6"	5.7"	8.5"	4.6"	6.0"	3.3"	4.9"	N/A
		45	12.0"	7.9"	12.0"	6.5"	9.3"	5.0"	7.5"	4.1"	5.3"	N/A	4.4"	N/A
		53	12.0"	7.0"	10.7"	5.7"	8.3"	4.4"	6.6"	3.6"	4.7"	N/A	3.9"	N/A
		60	11.8"	6.3"	9.7"	5.2"	7.5"	4.0"	6.0"	3.3"	4.3"	N/A	3.5"	N/A
	1/4" ITW TAPCON SG, 1-1/4" EMBED	33	12.0"	12.0"	12.0"	12.0"	12.0"	10.6"	11.1"	8.6"	7.8"	6.2"	6.4"	5.1"
		38	12.0"	12.0"	12.0"	12.0"	12.0"	9.5"	10.0"	7.7"	7.0"	5.5"	5.8"	4.6"
		45	12.0"	12.0"	12.0"	10.7"	11.2"	8.3"	8.9"	6.8"	6.2"	4.9"	5.1"	4.0"
		53	12.0"	11.5"	12.0"	9.4"	10.0"	7.3"	7.9"	5.9"	5.6"	4.3"	4.6"	3.5"
		60	12.0"	10.4"	12.0"	8.4"	9.1"	6.6"	7.3"	5.4"	5.1"	3.9"	4.2"	3.2"
	1/4" ITW SAMMYS SSC, 1-1/4" EMBED	33	12.0"	12.0"	12.0"	10.9"	12.0"	8.4"	12.0"	6.8"	9.2"	4.8"	7.6"	4.0"
		38	12.0"	11.9"	12.0"	9.8"	12.0"	7.6"	11.7"	6.1"	8.3"	4.3"	6.8"	3.6"
		45	12.0"	10.5"	12.0"	8.6"	12.0"	6.6"	10.3"	5.4"	7.3"	3.8"	6.0"	3.2"
		53	12.0"	9.2"	12.0"	7.6"	11.3"	5.8"	9.1"	4.7"	6.5"	3.4"	5.3"	N/A
		60	12.0"	8.4"	12.0"	6.9"	10.3"	5.3"	8.3"	4.3"	5.9"	3.1"	4.9"	N/A
	1/4" ALL POINTS SOLID-SET, 7/8" EMBED (3000 PSI CONC)	33	12.0"	12.0"	12.0"	10.5"	12.0"	8.1"	9.9"	6.6"	6.9"	4.7"	5.7"	3.9"
		38	12.0"	11.5"	12.0"	9.4"	11.2"	7.3"	8.9"	5.9"	6.3"	4.2"	5.2"	3.5"
		45	12.0"	10.1"	12.0"	8.2"	9.9"	6.4"	7.9"	5.2"	5.6"	3.7"	4.6"	3.1"
		53	12.0"	8.8"	11.5"	7.2"	8.8"	5.6"	7.0"	4.5"	5.0"	3.3"	4.1"	N/A
		60	12.0"	8.0"	10.5"	6.5"	8.1"	5.1"	6.4"	4.1"	4.5"	N/A	3.7"	N/A
	1/4" ELCO PANELMATE INSERT, 1-1/4" EMBED		3.5" MIN EDGE DISTANCE											
		33	12.0"	12.0"	12.0"	12.0"	12.0"	9.7"	12.0"	7.8"	12.0"	5.6"	11.1"	4.6"
		38	12.0"	12.0"	12.0"	11.4"	12.0"	8.7"	12.0"	7.0"	12.0"	5.0"	10.0"	4.1"
		45	12.0"	12.0"	12.0"	10.0"	12.0"	7.7"	12.0"	6.2"	10.6"	4.4"	8.7"	N/A
		53	12.0"	10.7"	12.0"	8.8"	12.0"	6.8"	12.0"	5.5"	9.3"	N/A	7.7"	N/A
		60	12.0"	9.7"	12.0"	8.0"	12.0"	6.2"	11.7"	5.0"	8.4"	N/A	7.0"	N/A
	5/16" ITW TAPCON XL, 1-3/4" EMBED		4.0" MIN EDGE DISTANCE											
		33	12.0"	10.1"	12.0"	8.4"	12.0"	6.4"	12.0"	5.2"	11.6"	N/A	9.6"	N/A
		38	12.0"	9.1"	12.0"	7.5"	12.0"	5.8"	12.0"	4.6"	10.3"	N/A	8.6"	N/A
		45	12.0"	8.0"	12.0"	6.6"	12.0"	5.1"	12.0"	4.1"	8.9"	N/A	7.4"	N/A
		53	12.0"	7.1"	12.0"	5.8"	12.0"	4.5"	10.6"	N/A	7.8"	N/A	6.5"	N/A
		60	12.0"	6.4"	12.0"	5.3"	11.5"	4.1"	9.5"	N/A	7.0"	N/A	5.8"	N/A

ANCHOR NOTES: SEE SHEET 3 FOR ANCHOR NOTES.

FRANK L. BENNARDO, P.E.
PE96064
STATE OF TEXAS
FRANK L. BENNARDO
96064
LICENSED
PROFESSIONAL ENGINEER
6/14/2014

FRANK L. BENNARDO, P.E.
160 SW 12th AVENUE, #116
DEERFIELD BEACH, FL 33442
PH: (954) 354-0660 FAX: (954) 354-0443
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14-1634

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ANCHOR SCHEDULES (CONT.):

HOST STRUCT.	ANCHOR TYPE	LOAD (psf)	0.75" MIN EDGE DISTANCE											
			Spans Up To 3'-6" CONN TYPE		Spans Up To 4'-6" CONN TYPE		Spans Up To 5'-7" CONN TYPE		Spans Up To 6'-6" CONN TYPE		Spans Up To 8'-6" CONN TYPE		Spans Up To 10'-0" CONN TYPE	
			C1	C2	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2
WOOD (G=0.42)	1/4" HANGAR BOLT, 2" THREAD PENETRATION	33	12.0"	12.0"	12.0"	12.0"	9.5"	11.7"	7.4"	9.7"	5.2"	7.1"	4.2"	5.9"
		38	12.0"	12.0"	11.4"	12.0"	8.6"	10.3"	6.8"	8.6"	4.7"	6.3"	3.8"	5.2"
		45	12.0"	12.0"	10.1"	11.3"	7.7"	8.9"	6.0"	7.4"	4.2"	5.4"	3.4"	4.5"
		53	10.7"	12.0"	9.1"	9.8"	6.9"	7.7"	5.4"	6.4"	3.8"	4.7"	3.1"	3.9"
		60	9.9"	11.0"	8.3"	8.8"	6.3"	6.9"	5.0"	5.8"	3.4"	4.2"	2.8"	3.5"
	1/4" ELCO PANELMATE, MALE OR FEMALE, 1-7/8" THREAD PENETRATION	33	12.0"	12.0"	11.8"	12.0"	8.9"	11.0"	7.0"	9.1"	4.9"	6.7"	4.0"	5.6"
		38	12.0"	12.0"	10.7"	12.0"	8.1"	9.7"	6.4"	8.1"	4.4"	5.9"	3.6"	4.9"
		45	11.3"	12.0"	9.6"	10.7"	7.2"	8.4"	5.7"	7.0"	4.0"	5.1"	3.2"	4.3"
		53	10.2"	11.5"	8.6"	9.2"	6.5"	7.3"	5.1"	6.0"	3.5"	4.4"	2.9"	3.7"
		60	9.3"	10.3"	7.9"	8.2"	5.9"	6.5"	4.7"	5.4"	3.3"	4.0"	2.7"	3.3"
	1/4" ITW SAMMY SSC OR TAPCON SG, 1-3/4" THREAD PENETRATION	33	12.0"	12.0"	11.7"	11.2"	8.9"	8.7"	7.0"	7.1"	4.9"	5.2"	4.0"	4.3"
		38	12.0"	12.0"	10.6"	10.0"	8.0"	7.8"	6.3"	6.4"	4.4"	4.6"	3.6"	3.8"
		45	11.2"	10.7"	9.4"	8.6"	7.2"	6.7"	5.6"	5.5"	3.9"	4.0"	3.2"	3.3"
		53	10.0"	9.3"	8.4"	7.5"	6.4"	5.9"	5.0"	4.8"	3.5"	3.5"	2.9"	2.9"
		60	9.2"	8.4"	7.7"	6.8"	5.9"	5.3"	4.6"	4.4"	3.2"	3.2"	2.6"	2.6"
	5/16" HANGAR BOLT, 3" THREAD PENETRATION	1.0" MIN EDGE DISTANCE												
		33	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	9.9"	12.0"	6.8"	10.9"	5.6"	9.1"
		38	12.0"	12.0"	12.0"	12.0"	11.4"	12.0"	9.0"	12.0"	6.2"	9.6"	5.1"	8.0"
		45	12.0"	12.0"	12.0"	12.0"	10.2"	12.0"	8.0"	11.1"	5.6"	8.3"	4.5"	6.9"
		53	12.0"	12.0"	12.0"	12.0"	9.1"	11.5"	7.2"	9.6"	5.0"	7.1"	4.1"	6.0"
		60	12.0"	12.0"	11.1"	12.0"	8.4"	10.2"	6.6"	8.6"	4.6"	6.4"	3.7"	5.4"

HOST STRUCT.	ANCHOR TYPE	LOAD (psf)	1.5" MIN EDGE DISTANCE											
			Spans Up To 3'-6" CONN TYPE		Spans Up To 4'-6" CONN TYPE		Spans Up To 5'-7" CONN TYPE		Spans Up To 6'-6" CONN TYPE		Spans Up To 8'-6" CONN TYPE		Spans Up To 10'-0" CONN TYPE	
			C1	C2	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2
WOOD (G=0.42)	1/4" HANGAR BOLT, 2" THREAD PENETRATION	33	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	9.8"	10.8"	6.8"	7.9"	5.6"	6.5"
		38	12.0"	12.0"	12.0"	12.0"	11.3"	11.7"	8.9"	9.6"	6.2"	7.0"	5.1"	5.8"
		45	12.0"	12.0"	12.0"	12.0"	10.1"	10.2"	7.9"	8.4"	5.5"	6.1"	4.5"	5.1"
		53	12.0"	12.0"	11.9"	11.3"	9.0"	8.8"	7.1"	7.3"	4.9"	5.3"	4.0"	4.4"
		60	12.0"	12.0"	10.9"	10.1"	8.3"	7.9"	6.5"	6.6"	4.5"	4.8"	3.7"	4.0"
	1/4" ELCO PANELMATE, MALE OR FEMALE, 1-7/8" THREAD PENETRATION	33	12.0"	12.0"	12.0"	12.0"	10.5"	11.9"	8.3"	9.8"	5.8"	7.1"	4.7"	5.9"
		38	12.0"	12.0"	12.0"	12.0"	9.6"	10.5"	7.5"	8.7"	5.2"	6.3"	4.3"	5.3"
		45	12.0"	12.0"	11.3"	11.6"	8.5"	9.1"	6.7"	7.5"	4.7"	5.5"	3.8"	4.6"
		53	12.0"	12.0"	10.1"	10.1"	7.6"	7.9"	6.0"	6.5"	4.2"	4.8"	3.4"	4.0"
		60	11.0"	11.2"	9.2"	9.0"	7.0"	7.1"	5.5"	5.9"	3.8"	4.3"	3.1"	3.6"
	1/4" ITW SAMMY SSC OR TAPCON SG, 1-3/4" THREAD PENETRATION	33	12.0"	12.0"	12.0"	12.0"	11.5"	9.4"	9.1"	7.7"	6.4"	5.5"	5.2"	4.6"
		38	12.0"	12.0"	12.0"	10.8"	10.5"	8.4"	8.3"	6.9"	5.8"	4.9"	4.7"	4.1"
		45	12.0"	11.6"	12.0"	9.4"	9.3"	7.3"	7.4"	6.0"	5.1"	4.3"	4.2"	3.6"
		53	12.0"	10.1"	10.9"	8.3"	8.3"	6.4"	6.6"	5.2"	4.6"	3.8"	3.8"	3.1"
		60	11.9"	9.2"	9.9"	7.4"	7.6"	5.8"	6.0"	4.7"	4.2"	3.4"	3.5"	2.8"
	5/16" HANGAR BOLT, 3" THREAD PENETRATION	33	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	8.5"	12.0"	7.0"	10.1"
		38	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	11.1"	12.0"	7.7"	10.8"	6.3"	9.0"
		45	12.0"	12.0"	12.0"	12.0"	12.0"	12.0"	9.9"	12.0"	6.9"	9.3"	5.7"	7.8"
		53	12.0"	12.0"	12.0"	12.0"	11.3"	12.0"	8.9"	10.9"	6.2"	8.1"	5.1"	6.8"
		60	12.0"	12.0"	12.0"	12.0"	10.4"	11.7"	8.2"	9.8"	5.7"	7.2"	4.7"	6.1"

ANCHOR NOTES: SEE SHEET 3 FOR ANCHOR NOTES.

FRANK L. BENNARDO, P.E.
FL PE96064
STATE OF TEXAS
FRANK L. BENNARDO
96064
LICENSED
PROFESSIONAL ENGINEER
6/4/2014

FRANK L. BENNARDO, P.E.
160 SW 12th AVENUE
DEERFIELD BEACH, FL 33442
PH: (954) 354-0660 FAX: (954) 354-0445
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