STRUCTURAL NOTES:

NSTALED IN THE HISH VELOCITY HURRICANE ZONE (IMAM-DIVE/ BROWNED COUNTIES), NOR WIND ZONE 4 (FBC SECTION 1606.1.2.4) NOR ESSAMINL FACILIES IN WIND ZONES 1,2,3 OR 4. THE ADEQUACY FOR MAPCT, DEFLECTION AND FATIGLE RESISTANCE HIS BEEN VERHED IN ACCORDANCE WITH SECTION 1628 OF THE ABOVE REFERENCED CODE, AND AS PER TAS 201, TAS 202 and TAS 203 PROTOCOLS AND ASTAL EXAD-02, ASTAL E1886-05 AND ASTAL E1896-05. SEE LIST OF REPORTS ON SHEET 1/2.
DESIGN PRESSURE REQUIRED BY THE JURISDICTION WHERE THE SYSTEM WILL BE INSTALLED. ULTIMATE DESIGN LOADS (UD) DETERMINED BY ASCE 7-10 SHALL BE REDUCED TO ALLOWING STRESS DESIGN LOADS (ASD) BY MALTIPLYING THE UD BY 0.6. TO COMPARE THEM TO THE ASD PRESSURE RATINGS SHOWN ON SHEET 1 AND 2. USE OF DIRECTIONNUMY FACTOR KA-0.65 IS ALLOWED. THIS HON PORGUS STSTEM HAS BEEN VERREED FOR COMPLANCE IN ACCORDANCE WITH THE 2010 EDITION OF THE FLORIDA BUILDING CODE (FBC). THIS SYSTEM SHALL NOT BE

mpact and fatigue resistance has been determined in accordance with the FBC section 1626 large absolie and 1608.1.2 assile type "d" as usted height no 33—1/3% increase in allowingle stress increase has been used in the design of this product. THIS PRODUCT EMPLIATION DOCUMENT (PED) DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC STIE. IF SITE CONDITIONS DEVAITE FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SWILL PREPARE SITE SPECIFIC DOCUMENTS TO BE USED IN COMMUNICION WITH THIS DOCUMENT.

Idnsle Strength (gamb method, astim Burst Strength (astim d = 3786): 1, Abanson resistance (astim d =4886)

MRE YMBD M D -4632): WMRP : 1,000 PSI

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STRENGTH RETAINED

FINSH RESIN CONTED

NEICHT (ASTN 0-3776): 9.0 -02/50U

FIBER CONTENT: TEXTILE FABRIC CONSTRUCTION: 20 X 20 WEAKE

rhoda encineering plastics — polyj

88

RETENTION CLIP END CONNECTIOR

FABRIC SPECIFICATION

SS # 55

NO SOME AT EDGES

THE COMPRICTOR AND / OR PERMIT HOLDER IS TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTITULATION OF THIS SYSTEM, INCLUDING VERFYING THE ADEQUACY OF THE EXISTEM IS TO BE ATTRICHED TO INSURE PROPER ANCHORAGE.

WHERE THE SYSTEM IS TO BE ATTRICHED TO INSURE PROPER ANCHORAGE.

SITE SPECIFIC PROJECTS SWILL BE PREPARED BY A FLORIDA LICENSED ENGINEER OR ARCHITECT WHO WILL BECOME THE ENGINEER OF RECORD (ECR) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE PED ENGINEER OF RECORD, ACTING AS A delegated encameer to the ped encameer shall subait to this encameer the site specific dominacs for review

THIS PED SWILL BEAR THE DATE AND ORGANIL SEAL OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

THIS SYSTEM WAY ALSO BE INSTALLED HORIZONIALLY FOLLOWING INSTALLATION OCIALS SHOWN HEREIN.

THIS WHID ABATEMENT SYSTEM IS INTENDED FOR USE ONLY DURBNG HURBIGGAME OR OTHER TROPICAL STORM WANNINGS. SEASONAL OR PERMANENT INSTALLATION OR STORAGE
OF THIS WHID ABATEMENT SYSTEM IN AREAS OF PROLONGED EXPOSURE TO DIRECT SUNLIGHT OR OTHER WEATHERING CONDITIONS MAY CAUSE MATERIAL DETERIORATION OR OTHERWISE INHIBIT THEIR ADEQUACY
AS AN IMPACT RESISTANT SYSTEM.

LIMITATIONS OF USE PER FEC 2010 NO MINIMUM SEPARATION FROM CLASS IS REQUIRED. THE MAXIMUM SIZE SHALL BE 60 PSF MAX. PRESSURE **9**216 INCHES MAXIMUM SPAN. SEE TABLES ON SHEET 1/2 AND 2/2.

RESERVED.

all bolts to be astal abot, galvanzed or 304 seres stanless steel with a managai 36 ks; yeld strength. all sorens to be stanless steel 304 or 316 series or corrosion resistant coated carbon steel with a 50 kg yeld strength and a 90 kg tensile strength.

anchors to structure (will / floor / celing / system) shall be installed per manifacturers' recommendations and as follows:

CONCRETE BLOCK INSONRY (ASTM C-90)

TAPCON ANCHORS (TW BILLIDE), OR PÁNELMATE MALE & FEMALE FISTENERS (ELOO TEXTRON) — 1/4 N. DA.

L. MANALAN EMBEDMENT INTO HOLLOW CONCRETE BLOCK MASCHARY FOR TAPCON ANCHORS AND ELOO PANELMATES IS 1 1/4 IN., FILED MASCHARY EMBEDMENT IS 1 3/4".

NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED.

L. PANERS, BRICKS OR OTHER PRE-CAST PRODUCTS LOCATED ON THE EMISTING STRUCTURE WALL OR FLOOR SHALL HAVE ANCHORS OF SUFFICIENT LENGTH
TO PROPERLY ATTACH TO THE PRIMARY STRUCTURE BEHND IT.

MANAGE EDGE DISTANCE = 3.0

Poured concrete (fc=3000 Ps) win.)

Tapcon anchors (the boulder) or panelimite wile & female fasteners (elgo textron) = 1/4 m. dm.

L. Limboun elbediment into poured concrete for tapcon anchors and elgo panelimites is 1 3/4 m.

NO embediment into stucco swill be permitted. Scredis to be 1/4"-20 x 1 3/4" for stucco, 1 1/4" with no stucco.

L. Paners, bricks or other pre-cast products located on the existing structure will or floor swill have anchors of sufficient length to properly attach to the primary structure behavo it.

6-0°

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to 12 1 26 26 26

II. LIBRAIUM EDGE DISTANCE = 3.0°

WOOD (Nominal 2x4(min) "Southern Pine" SG=0.55 OR GREATER)

TAPCON ANCHORS (THY BUILDEX) DIA. OR PANELMATE MALE AL FÉMALE FASTEMERS (ELCO TEXTRON) = 1/4 N. L. MARMALM EDGE DISTANCE = CENTER OF 2^n HOMBAUL LUMBER (APPROX. 3/4). LARMAN EMBEDMENT = $1-1/2^n$

MAXIMUM DESIGN PRESSURE VERSUS PANEL SPAN SHOWN ON SHEET 2/2

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SOREDI PANEL'S MANUFACTURER LABEL SHALL BE PLACED ON A READILY AND VISIBLE LOCATION ON THE PANEL. ONE LABEL SHALL BE PLACED FOR ENERY OPENING, LABEL SHALL READ AS FOLLOWS:

PO BOX 50153; CLAYTON, NO 63105

16. THIS DOCUMENT IN ITS ENTIRETY WILL BE CONSIDERED INVALID IF IT IS ALTERED BY ANY MEANS. florda product approval number: FL-XXXX. Opening No.: XX

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B	16'-0"	14"-0"	12:0"	10'-0"	8'-0"	6:-0*	4:-0°	_	SPACE		
•		4	5	6	7	⇉	15	8			,
	5	5	6	7	80	12	8	8	PRESSURE (PSF)	FILLED CMU (1900 PSI)	FASI
5	5	6	7	8	10	15	18	8	Æ (PSF)	(1900 PSI)	ENER SPAC
6	6	7	9	10	12	18	18	೫			ING OF A SIN
-	4	5	6	7	8	12	17	8			AGLE UNIT S
4	5	5	7	8	9	14	18	50	PRESSURE (PSF)	CONCRETE (4000 PSI)	CREEN FOR
5	6	6	8	9	11	16	18	40	E (PSF)	(4000 PSI)	ANY LENGT
6	7	8	9	11	13	18	18	30	L		FASTENER SPACING OF A SINGLE UNIT SCREEN FOR ANY LENGTH ATTACHED WITH 14" ELCO PANELMATE PRO, MALE & FEMALE (INCHES)
•	-	•	-	4	5	8	11	60			D WITH 1;4" I
			4	5	6	9	13	50	PRESSURE (PSF)	HOLLOW CMU	ELCO PANEL
		4	5	6	7	10	15	40	E (PSF)	/CMU	MATE PRO,
4	5	5	6	7	9	13	18	30			MALE & FI
	-	-			5	7	10	60			EMALE (INC
•	•	•	-	4	5	8	11	50	PRESSURE (PSF	TIMBER	ÆS)
		-	4	5	6	9	13	40	₹E (PSF)	¥FR	
	4	5	6	6	8	12	16	30			

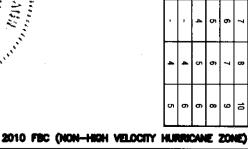
EVALUATION BASED ON: FENESTRATION TESTING LABORATORY, ₹

LAB NO.: 6418 DATED 12/7/2010

ASTM EXXXX—02 — UNITORM STATIC LOADS
ASTM E1886—05 & ASTM E1896—05 — LARCE MISSILE TIPE
TO" IMPACT RESISTANCE & CYCLIC LOADING
PERFORMANCE

LAB NO.: 5804 DATED 01/13/2009

TAS 202 — UNIFORM STATIC LONGS TAS 201, TAS 202 — LARGE MESSIE MAPACT RESISTANCE CYCLIC LONGHIG PERFURMANCE **JST OF REPORTS**



ASTRO GUARD Wind Abatement System HURRICANE FABRIC LLC PO BOX 50153 CLAYTON, MO 63106 PHONE: (239)669-0069 www.hurricanefabric.com

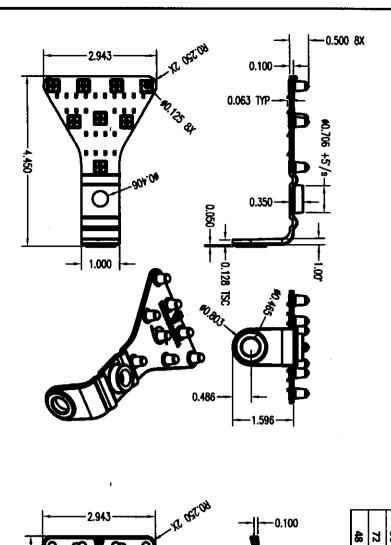
FASTENER SPACING OF A SINGLE UNIT SCREEN FOR ANY LENGTH ATTACHED WITH 38° DROP-IN ANCHOR WITH SIDEWALK BOLT (INCHES)

SPLICE

DETAIL

REV DESCRIPTION xx/xx/xx-RESERVED CA #6752 WWW.MEAENGINEERS.COM

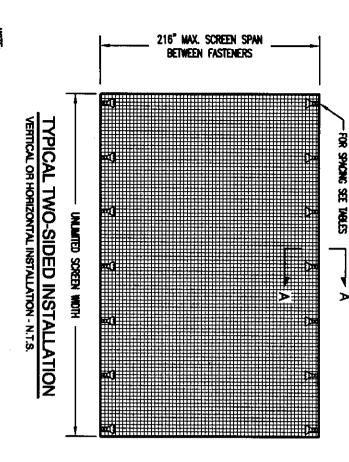
5656 Lawton Drive Screecia, Florida 34233 (941) 922—3654 CA—6072



BOTTOM MOUNTING CLIP DETAILS INSIDE OR OUTSIDE MOUNT INSTALLATION - N.T.S.

INSIDE OR OUTSIDE MOUNT INSTALLATION - N.T.S. TOP MOUNTING CLIP DETAILS

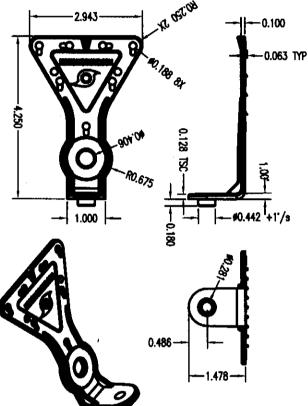




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easing structure (TYP) concrete, filled cau, hollow cau, or tabber

1/4" HAX. SPACE

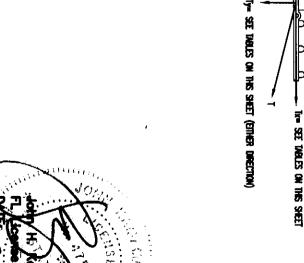


	LOADS	LOADS ON EXISTING STRUCTURE FROM SCREEN SYSTEM TX = PARALLEL LOADS (PLF)	STING STRUCTURE FROM SO TX = PARALLEL LOADS (PLF)	URE FRON L LOADS (P	N SCREEN S YLF)	YSTEM	
SPAN			₽R	PRESSURE (PSF)	SF)		
(INCHES)	60	55	50	45	40	35	30
216	1134	1070	1004	936	998	792	714
192	1020	962	903	842	778	712	642
168	206	854	801	747	690	631	570
144	744	702	659	614	568	519	469
120	651	615	577	538	497	455	410
96	553	521	489	456	422	386	348
72	353	333	312	291	269	246	222
48	254	240	225	210	194	178	160

348 96 240 220 200 180 160 140	96 240 220 200 180 160		410 120 300 275 250 225 200 175	144 360 330 300 270 240	385 350 315 280	160 /20 305 350 345 780	642 192 480 440 400 360 320 280	714 216 540 495 450 405 360 315	30 (INCHES) 60 55 50 45 40 35	SPAN PRESSURE (PSF)	LOADS ON EXISTING STRUCTURE FROM SCREEN SYSTEM TY = PERPENDICULAR LOADS (PLF)	NITERWILLY OR EXTERNALLY THREADED ANCHOR NON-RELIGIANCE (TYP) SECTION A-A (OPTION 2) OUTSIDE MOUNT INSTALLATION - N.T.S.	MUN-HENOVABLE (TIP) SCHEM NON-HENOVABLE (TIP)	
		140 120		+-		-	280 240	315 270	35 30		STEM	ľ	Y THREADED ANCHO	

SECTION A-A (OPTION 1)
INSIDE MOUNT INSTALLATION - N.T.S.

REMOVABLE FASTEMER (TYP)



2010 FBC (NON-HIGH VELOCITY HURRICANE ZONE)

ASTRO GUARD

HURRICANE FABRIC LLC PO BOX 50153 CLAYTON, MO 63105 PHONE: (239)699-0009

DESCRIPTION xx/xx/xx-RESERVED

CA #6752 NV.MEAENGMEERS.COM 5656 Lawton Drive Surveyle, Florida 34233 (941) 922-3654 CA-6072

DOSTING STRUCTURE (TYP) CONCRETE, FILLED CMU, H

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Wind Abatement System

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