GENERAL NOTES:

- LARGE MISSILE IMPACT PROTECTIVE SYSTEM IN ACCORDANCE WITH THE 2007 FLORIDA BUILDING CODE FOR USE INSIDE & OUTSIDE THE HIGH VELOCITY HURRICANE ZONE THE PRODUCT SHOWN HEREIN IS APPROVED AS A TAS 202-94, TAS 203-94, ASTM E330-05, ASTM E1886-02, AND ASTM (HVHZ). TESTING PROTOCOLS WERE IN ACCORDANCE WITH TAS 201-94,
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. WINDLOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
- 3. POSITIVE AND NEGATIVE DESIGN PRESSURES TO BE USED WITH THESE ACCORDANCE WITH THE GOVERNING CODE. DRAWINGS SHALL BE DETERMINED BY OTHERS FOR SPECIFIC JOBS IN
- THE SHUTTER SYSTEM DETAILED HERE IN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. IF SITE CONDITIONS DOCUMENTS TO BE USED IN CONJUNCTION WITH THIS DOCUMENT. ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DEVIATE FROM THE CONDITIONS DETAILED HEREIN, A LICENSED
- STORMPANELS SHALL BE STORM-A-REST (SINGLE LAYER) FABRIC. EACH GROMMET ROW IS REINFORCED WITH ONE (1) 6061 T6511 ALUMINUM FLAT 1/8" X 1" X AS REQUIRED FOR THE ENTIRE WIDTH OF THE PANEL.
- PANELS SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER PANEL AS FOLLOWS: FLORIDA STATE PRODUCT APPROVAL
- 8. ALL BOLTS & WASHERS SHALL BE ZINC COATED, GALVANIZED OR WITH LINE OF ANCHORAGE IN VERTICAL DIRECTION).

7. PANELS MAY BE MOUNTED HORIZONTALLY WHERE APPLICABLE (i.e.

- STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 KSI.
- TOP AND BOTTOM DETAILS SHOWN ON THIS DRAWING MAYBE INTERCHANGED AS FIELD CONDITIONS DICTATE.
- 10. ALL ACCEPTANCE CRITERIA HAVE BEEN MET FOR THIS SHUTTER AS A REQUIRED, AND BREAKING OF THIS GLAZING DOES NOT COMPROMISE NON-POROUS SYSTEM, AS DEFINED IN ASTM E1996. IN KEEPING WITH THE BUILDING ENVELOPE THIS STANDARD, NO MINIMUM SEPARATION FROM GLAZING IS
- 11. ADEQUACY OF THE EXISTING STRUCTURAL TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION. WITHSTANDING AND TRANSFERRING APPLIED LOADS WIND FORCE RESISTING SYSTEM CAPABLE OF CONCRETE/MASONRY AND 2X FRAMING AS A MAIN
- SEE THE DESIGN PRESSURE RATING ON THIS SHEET.

5. PANELS MAY BE MOUNTED VERTICALLY OR HORIZONTALLY

4. NO SEPARATION FROM GLASS IS REQUIRED WHEN PANEL SPAN IS GREATER THAN MINIMUM SPAN NOTED ABOVE.

3. PANEL SPANS LESS THAN MINIMUM NOTED ARE NOT

2. PANEL SPANS LONGER THAN MAXIMUM NOTED ARE NOT 1. ALLOWABLE DESIGN PRESSURES SHALL NOT BE EXCEEDED

ALLOWED.

+/-78.0 PSF	DESIGN PRESSURE	DESIGN PRESSURE RATING
SMALL AND LARGE MISSILE IMPACT RATED	MISSILE IMPACT RATING	RATING

SHEET REV

TABLE OF CONTENTS SHEET DESCRIPTION

w N

VERTICAL SECTIONS

VERTICAL

SECTIONS

ELEVATION, ANCHOR LAYOUT & GENERAL NOTES

COMPONENTS AND BILL OF MATERIALS

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- 2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED USED FOR PRODUCT INSTALLATION. IS THE MINIMUM NUMBER OF ANCHORS TO BE

STORM-A-REST HURRICANE SHUTT

HRG LLC

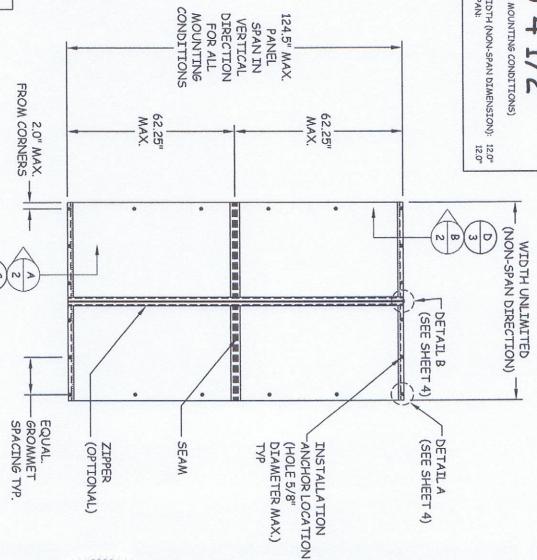
JHRG, L

- ANCHORS OF EQUIVALENT PERFORMANCE CHARACTERISTICS CAN BE USED UPON APPROVAL OF THE ARCHITECT OR ENGINEER OF RECORD FOR THE ALTERNATE CONCRETE/MASONRY INSTALLATION PROJECT OF INSTALLATION.
- 4. MINIMUM EDGE DISTANCE AND EMBEDMENT EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING).
- 5. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR NOT INSTALL INSTALLATION ANCHORS INTO JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL ANCHOR MANUFACTURER. THAN THE MINIMUM STRENGTH SPECIFIED BY THE ACCORDANCE WITH ANCHOR MANUFACTURER'S

MAXIMUM ALLOWABLE SPAN

(FOR ALL MOUNTING CONDITIONS)

MIN. ALLOWABLE WIDTH (NON-SPAN DIMENSION): MIN. ALLOWABLE SPAN:



EXTERIOR VIEW ELEVATION

> GENERAL NOTES PREPARED FOR: JHRG, LLC 303 S. PINE STREET SPRING HOPE, N.C. 27882 800.849.4997 FX: 252.478-4998

STORM-A-REST

ELEVATION, ANCHOR LAYOUT &

TITLE:

ВУ

DATE

REVISIONS DESCRIPTION NO.

DATE: 09.05.08 DWN BY JLR CHK BY: HN SCALE:

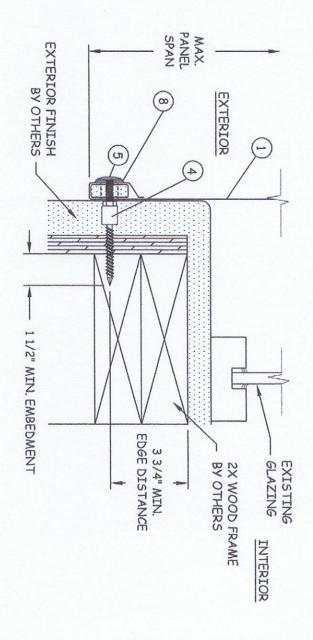
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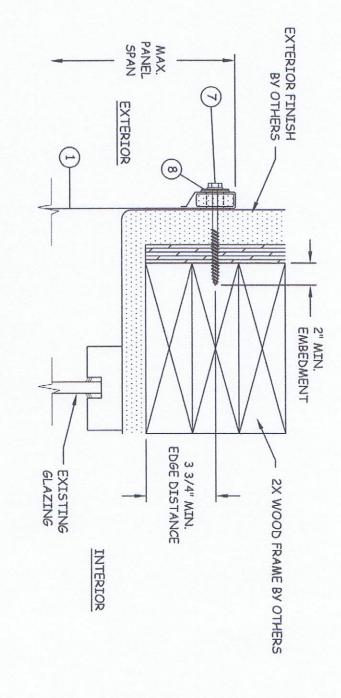
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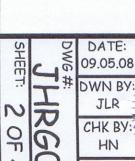
SHEET:

				Ultrashield	Tapcon SG w/	1/4×21/4"	ITW Buildex									SS)	Sidewalk Bolt -	3/4" Combo	(w/ 1/4" -20 x	Tapcon	w/1 1/4"	Shutter Screw	Hurricane	Sammy	ITW Buildex		Allichor						
78	70	65	60	55	50	45	40	35	30	25	20				78	70	65	60	55	50	45	40	35	30	25	20	(PSF)	Design					
12	12	12	12	12	12	12	12	12	12	12	12	O,	Spans up to 4'	2	12	12	12	12	12	12	12	12	12	12	12	12	o"	2	NS NS	AI			
12	12	12	12	12	12	12	12	12	12	12	12	0"	Spans up to 4' Spans up to 6'	721	./4" Edge Distar	/4" Edge Distan	12	12	12	12	12	12	12	12	12	12	12	12	o" 0" 10'-0"	2 1/4" Edge Distance	SYP Timber (S.G.=0.53)	Anchor Spacing	A
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12	12	12	12	12	12	12	12	12	12	12	12	0"	Spans up to 4'	2:	12	12	12	12	12	12	12	12	12	12	12	12	o"	2		Aı	Anchor Schedule		
12	12	12	12	12	12	12	12	12	12	12	12	0"	Spans up to 4' Spans up to 6'	2 1/2" Edge Distance	12	12	12	12	12	12	12	12	12	12	12	12	0" 0" 10'-0"	2 1/2" Edge Distance	3000 PSI Concrete	Anchor Spacing	le		
12	12	12	12	12	12	12	12	12	12	12	12		Spans up to	7 - 1	9	10	11	12	12	12	12	12	12	12	12	12	10'-0"	псе	te	ing			

78	70	65	60	55	50	45	40	35	30	25	20	(PSF)	Design		Offse
4	4	4	4	4	4	4	4	4	4	4	4	Spans up to 4		on Posit	t Requir
10	10	10	10	10	10	10	10	9	9	8	00	Spans up to 4' Spans up to 6' 0"	Deflection (in.)	on Positive Load	Offset Requirements based
14	14	14	14	14	13	13	12	12	10	10	10	Spans up to			based







SCALE: NTS

VERTICAL SECTION

SILL - 2X WOOD SUBSTRATE 1/4" ITW BUILDEX SAMMYS SSC

	REVISION	15	
NO.	DESCRIPTION	ВУ	DATE
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VERTICAL SECTION

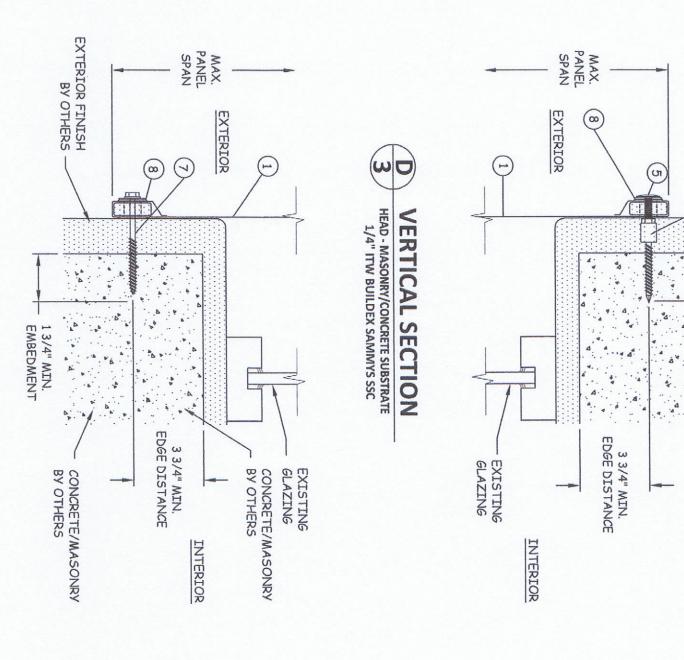
HEAD - 2X WOOD SUBSTRATE 1/4" ITW BUILDEX TAPCON SG

TITLE: STORM-A-REST VERTICAL SECTIONS

PREPARED FOR:

JHRG, LLC 303 S. PINE STREET SPRING HOPE, N.C. 27882 PH: 800.849.4997 FX: 252.478.4998





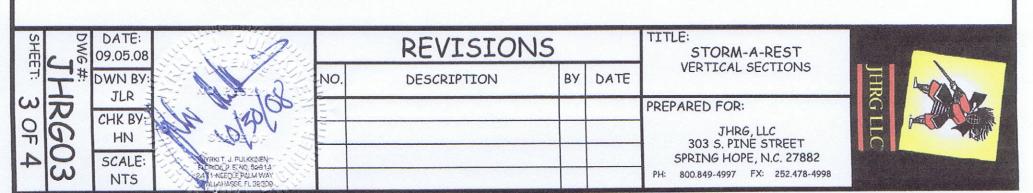
SILL - MASONRY/CONCRETE SUBSTRATE 1/4" ITW BUILDEX TAPCON SG

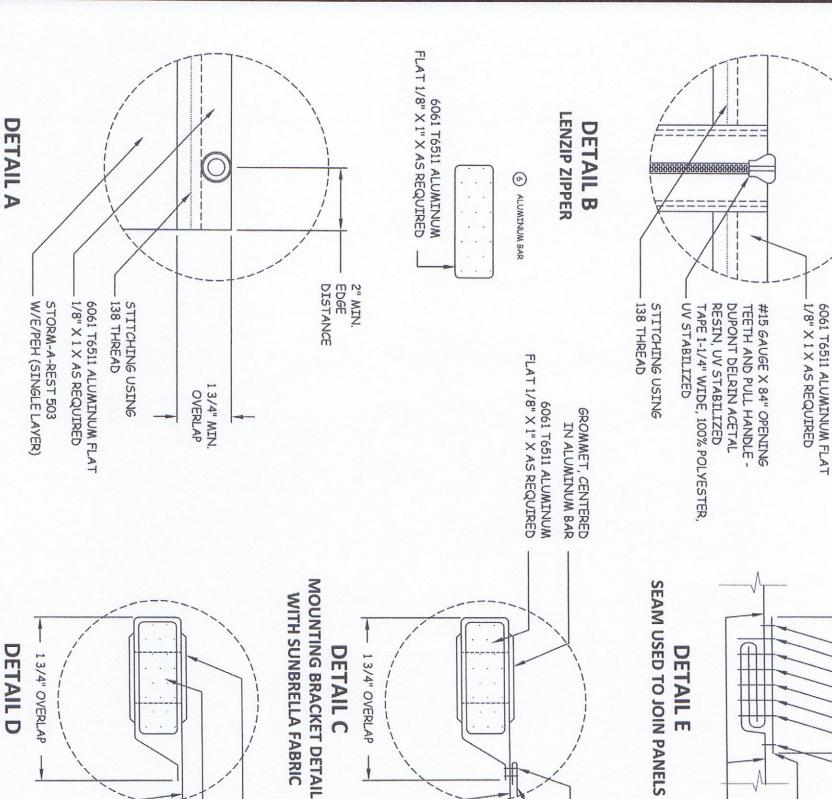
VERTICAL SECTION

EXTERIOR FINISH BY OTHERS

> 13/4" MIN. EMBEDMENT

CONCRETE/MASONRY
- BY OTHERS





STORM-A-REST 503 W/E/PEH (SINGLE LAYER)

SUNBRELLA AWNING/ MARINE 46"

0.970"

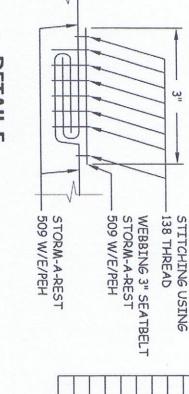
0.832"

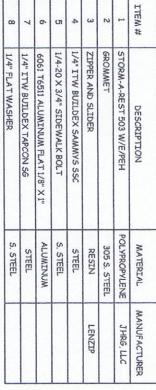
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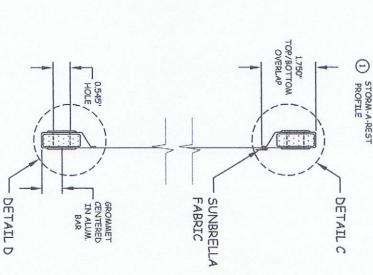
STITCHING USING

(10)

GROMMET







6061 T6511 ALUMINUM FLAT 1/8" X 1" X AS REQUIRED GROMMET, CENTERED IN ALUMINUM BAR

PANEL CORNER

MOUNTING BRACKET DETAIL

STORM-A-REST 503 W/E/PEH (SINGLE LAYER)

DATE:

09.05.08

DWN BY

JLR

CHK BY:

HN

SCALE:

NTS

SHEET:

		, C		0.545"		
		REVIS	IONS			TI
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TITLE:
STORM-A-REST
COMPONENTS AND
BILL OF MATERIALS

PREPARED FOR:

JHRG, LLC 303 S. PINE STREET SPRING HOPE, N.C. 27882 PH: 800.849.4997 FX: 252.478.4998

