

GENERAL NOTES:

1. THE SHUTTER SYSTEM SHOWN HEREIN HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2006 EDITIONS OF THE INTERNATIONAL BUILDING CODE (I.B.C.) AND INTERNATIONAL RESIDENTIAL CODE (I.R.C.) WITH THE 2006 TEXAS REVISIONS, EFFECTIVE JANUARY 1, 2008. FOR USE INSIDE & OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ). TESTING PROTOCOLS WERE IN ACCORDANCE WITH TAS 201, TAS 202 AND TAS 203.
2. 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 DRAWINGS SHALL BE DETERMINED BY OTHERS FOR SPECIFIC JOBS IN ACCORDANCE WITH THE GOVERNING CODE.
4. THE SHUTTER SYSTEM DETAILED HERE IN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. IF SITE CONDITIONS DEVIATE FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS TO BE USED IN CONJUNCTION WITH THIS DOCUMENT.
5. THE SHUTTER SYSTEM SHALL BE STORM-A-REST (SUPREME PROTECTOR 503 W/E/PEH) 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.
6. PANELS SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER PANEL AS FOLLOWS:
JHRG, LLC SPRING HOPE, NC
STORM-A-REST (SUPREME PROTECTOR 503 W/E/PEH)
DESIGN PRESSURE RATING: +/-78 PSF
7. PANELS MAY BE MOUNTED HORIZONTALLY WHERE APPLICABLE (i.e. WITH LINE OF ANCHORAGE IN VERTICAL DIRECTION).
8. ALL BOLTS & WASHERS SHALL BE ZINC COATED, GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 KSI.
9. TOP AND BOTTOM DETAILS SHOWN ON THIS DRAWING MAY BE INTERCHANGED AS FIELD CONDITIONS DICTATE.
10. ALL ACCEPTANCE CRITERIA HAVE BEEN MET FOR THIS SHUTTER AS A NON-POROUS SYSTEM, AS DEFINED IN ASTM E1996. IN KEEPING WITH THIS STANDARD, NO MINIMUM SEPARATION FROM GLAZING IS REQUIRED, AND BREAKING OF THIS GLAZING DOES NOT COMPROMISE THE BUILDING ENVELOPE.
11. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
12. SEE THE DESIGN PRESSURE RATING ON THIS SHEET.

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. MINIMUM EDGE DISTANCE AND EMBEDMENT EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING).
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.

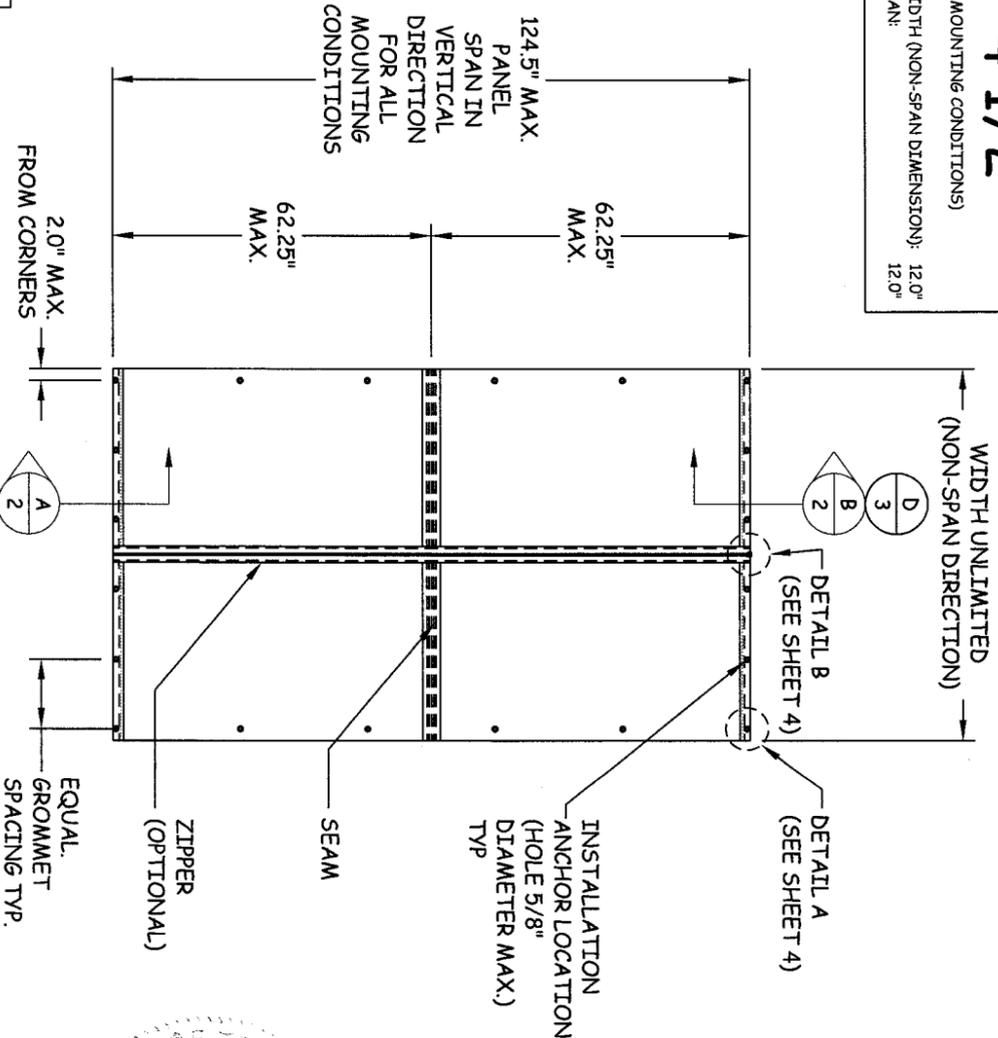
| DESIGN PRESSURE RATING | |
|------------------------|--------------------------------------|
| DESIGN PRESSURE | MISSILE IMPACT RATING |
| +/-78.0 PSF | SMALL AND LARGE MISSILE IMPACT RATED |

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| 2 | A | VERTICAL SECTIONS |
| 3 | A | VERTICAL SECTIONS |
| 4 | B | COMPONENTS AND BILL OF MATERIALS |

JHRG, LLC.

STORM-A-REST (SUPREME PROTECTOR 503 W/E/PEH) HURRICANE SHUTTER

MAXIMUM ALLOWABLE SPAN
10' 4 1/2"
(FOR ALL MOUNTING CONDITIONS)
MIN. ALLOWABLE WIDTH (NON-SPAN DIMENSION): 12.0"
MIN. ALLOWABLE SPAN: 12.0"



ELEVATION EXTERIOR VIEW

REVISIONS

| NO. | DESCRIPTION | BY | DATE |
|-----|--------------------------------|-----|----------|
| A | UPDATED NOTES PER TDI COMMENTS | JLR | 06.24.09 |
| B | UPDATED TABLE OF COMMENTS | KH | 02.22.10 |

TITLE: STORM-A-REST (503 W/E/PEH) ELEVATION, ANCHOR LAYOUT & GENERAL NOTES

PREPARED FOR:

JHRG, LLC
303 S. PINE STREET
SPRING HOPE, N.C. 27882
PH: 800.849.4997 FX: 252.478-4998

[Signature]
7-12-10
KRISTINA S. DARGHERTY
TEXAS P. E. NO. 104390



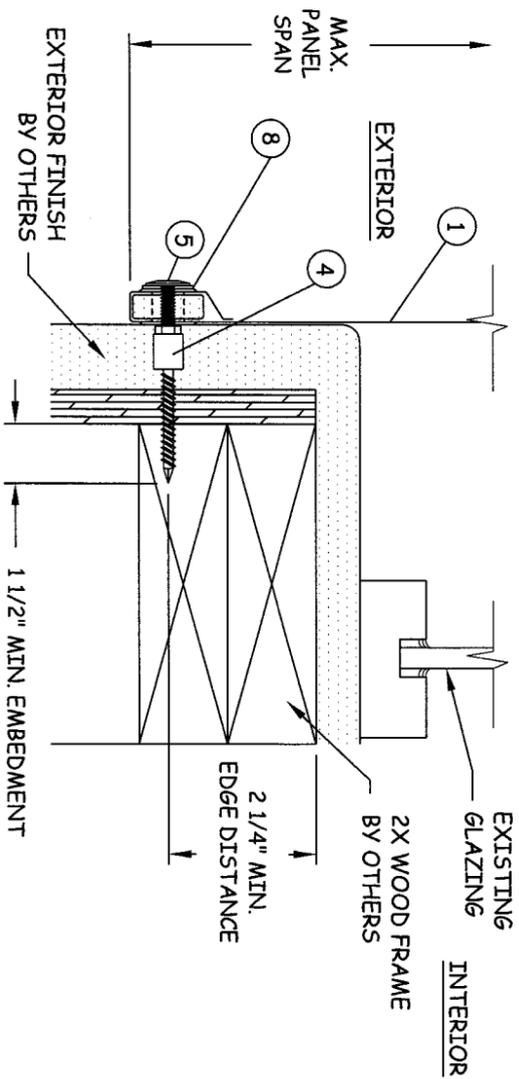
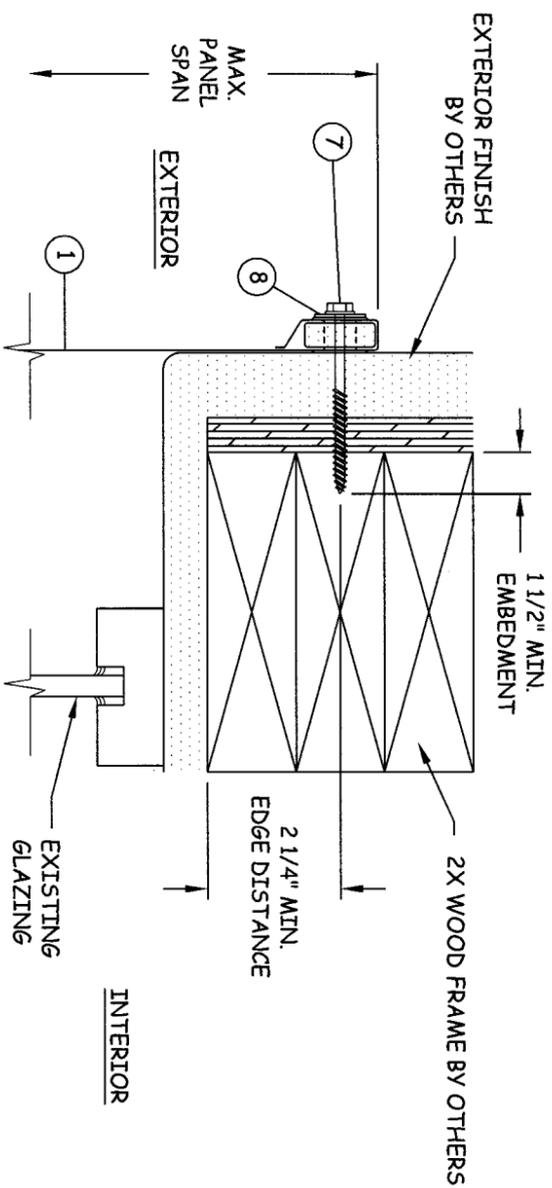
DATE: 04.23.09
DWN BY: JLR
CHK BY: HN
SCALE: NTS

DWG #: **JHRG04**

SHEET: **1 OF 4**

| Anchor | Design Pressure (PSF) | Anchor Spacing | | | Anchor Spacing | | |
|---|-----------------------|------------------------|-------------------|-------------------|----------------------|-------------------|--------------------|
| | | SYP Timber (S.G.=0.53) | | | 3000 PSI Concrete | | |
| | | 2 1/4" Edge Distance | | | 2 1/2" Edge Distance | | |
| ITW Buildex Sammy Hurricane Shutter Screw | 20 | Spans up to 4'-0" | Spans up to 6'-0" | Spans up to 9'-0" | Spans up to 4'-0" | Spans up to 6'-0" | Spans up to 10'-0" |
| SSW w/ 1 3/4" Tapcon(w/ 1/4" - 20 x 3/4" Combo Side Walk Bolt SS) | 25 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 30 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 35 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 40 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 45 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 50 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 55 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 60 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 65 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 70 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 78 | 12 | 12 | 7 | 12 | 12 | 9 |
| | | 2 1/4" Edge Distance | | | 2 1/2" Edge Distance | | |
| | 20 | Spans up to 4'-0" | Spans up to 6'-0" | Spans up to 9'-0" | Spans up to 4'-0" | Spans up to 6'-0" | Spans up to 10'-0" |
| | 25 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 30 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 35 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 40 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 45 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 50 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 55 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 60 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 65 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 70 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 78 | 12 | 12 | 10 | 12 | 12 | 12 |

Anchor Schedule



REVISIONS

| NO. | DESCRIPTION | BY | DATE |
|-----|--------------------------------|-----|----------|
| A | REMOVED CHART PER TDI COMMENTS | JLR | 06.24.09 |

TITLE:
 STORM-A-REST (503 W/E/PEH)
 VERTICAL SECTIONS

PREPARED FOR:
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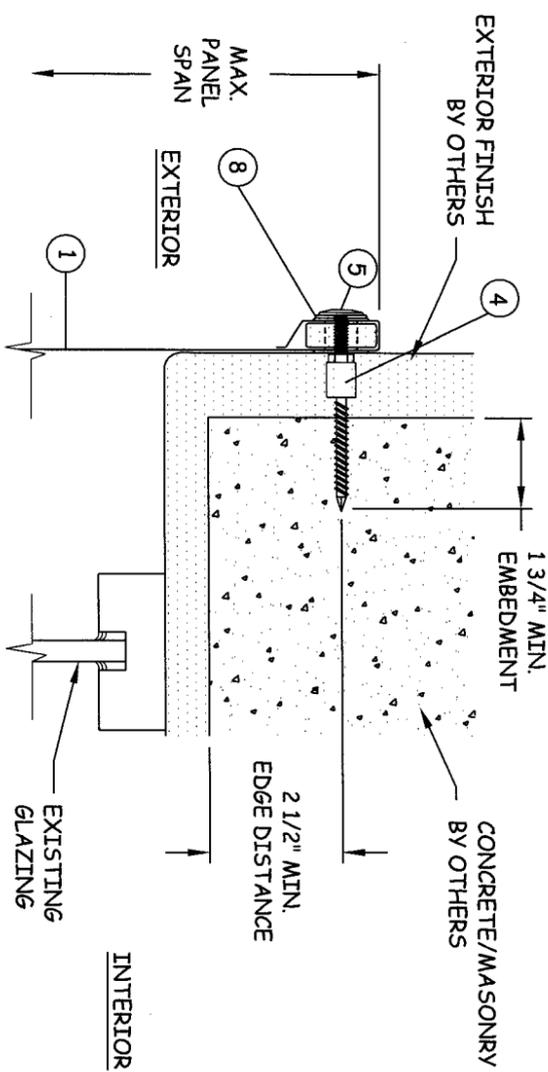
JHRG LLC



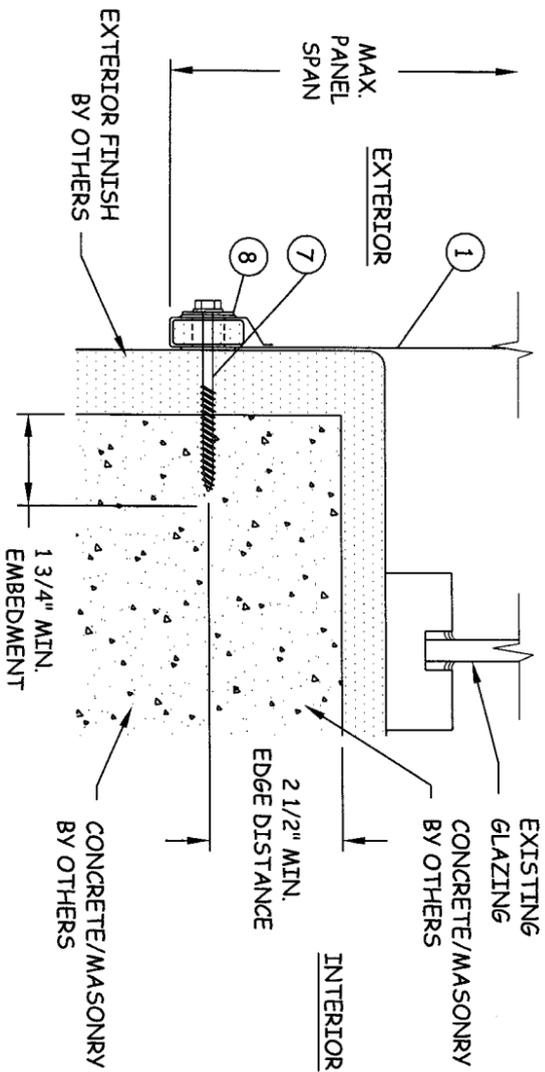
DATE: 04.23.09
 DWN BY: JLR
 CHK BY: HN
 SCALE: NTS

Kristina S. Daugherty
 7-13-10
 KRISTINA S. DAUGHERTY
 TEXAS P. E. NO. 104390

DWG #: JHRG04
 SHEET: 2 OF 4



D
VERTICAL SECTION
 HEAD - CONCRETE SUBSTRATE
 1/4" ITW BUILDEX SAMMYS SSC



C
VERTICAL SECTION
 SILL - CONCRETE SUBSTRATE
 1/4" ITW BUILDEX TAPCON SG

TITLE:
 STORM-A-REST (503 W/E/PEH)
 VERTICAL SECTIONS

PREPARED FOR:

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REVISIONS

| NO. | DESCRIPTION | BY | DATE |
|-----|------------------------|-----|----------|
| A | UPDATED SECTION TITLES | JLR | 06.24.09 |
| | | | |
| | | | |

[Handwritten Signature]

7-12-10

KRISTINA S. DAUGHERTY
 TEXAS P.E. NO. 104390

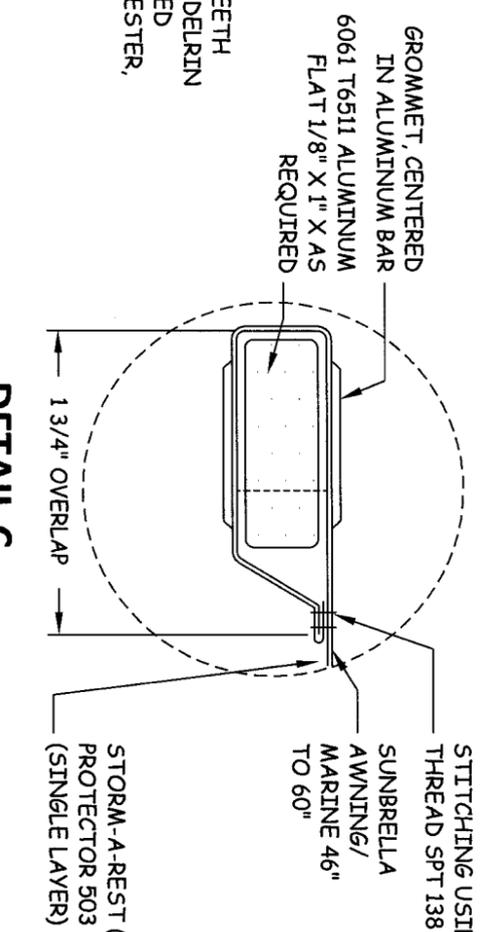
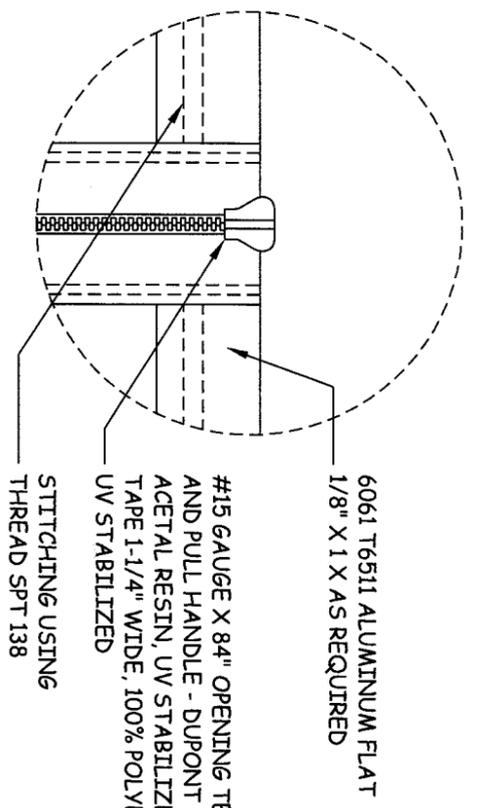
JHRG LLC



DATE: 04.23.09
 DWN BY: JLR
 CHK BY: HN
 SCALE: NTS

DWG #: **JHRG04**

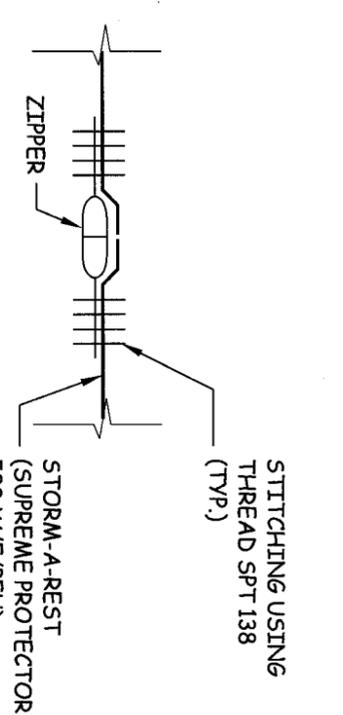
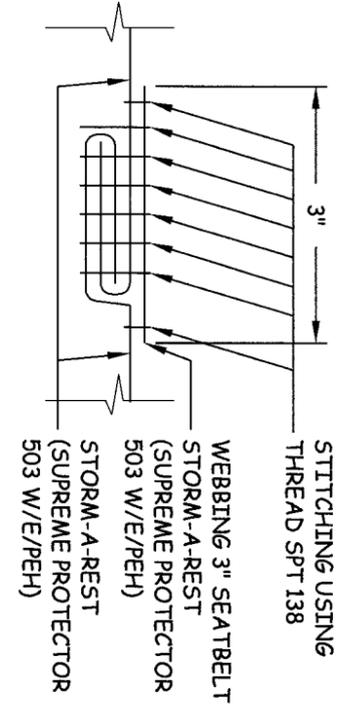
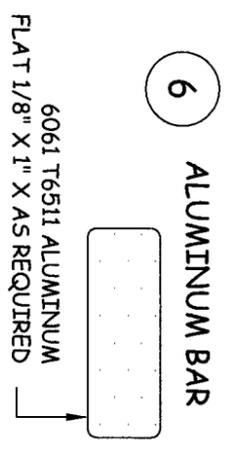
SHEET: 3 OF 4



| ITEM # | DESCRIPTION | MATERIAL | MANUFACTURER |
|--------|--|--------------|--------------|
| 1 | STORM-A-REST (SUPREME PROTECTOR 503 W/E/PEH) | POLYETHYLENE | JHRG, LLC |
| 2 | GROMMET | 305 S. STEEL | |
| 3 | ZIPPER AND SLIDER | RESIN | LENZIP |
| 4 | 1/4\"/> | | |
| 5 | 1/4-20 X 3/4\"/> | | |
| 6 | 6061 T6511 ALUMINUM FLAT 1/8\"/> | | |
| 7 | 1/4\"/> | | |
| 8 | 1/4\"/> | | |

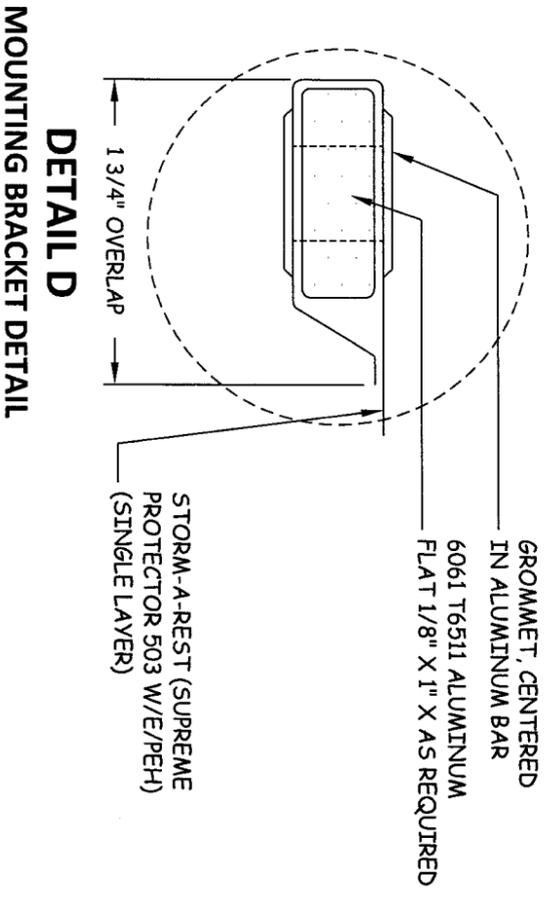
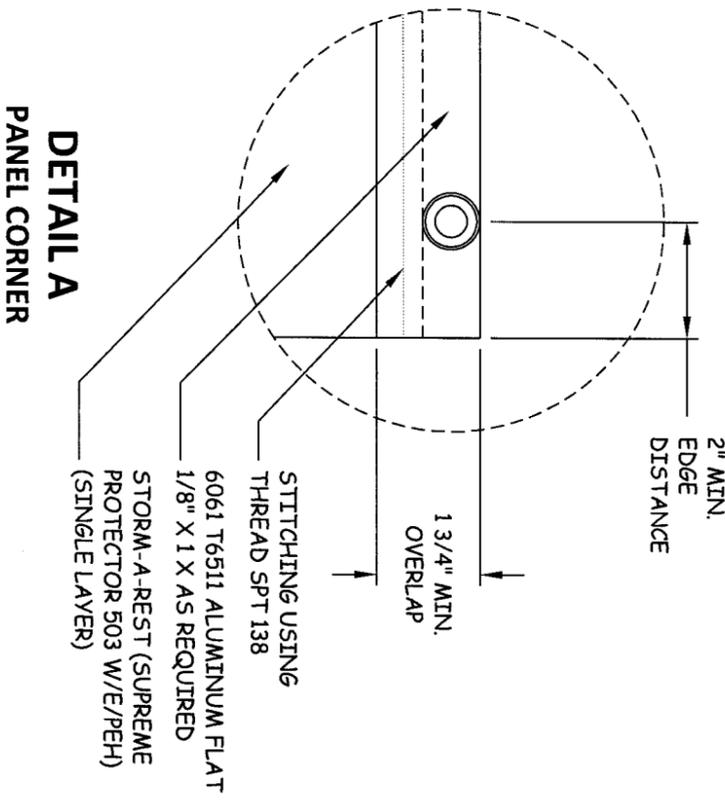
DETAIL B
LENZIP ZIPPER

DETAIL C
MOUNTING BRACKET DETAIL WITH SUNBRELLA FABRIC



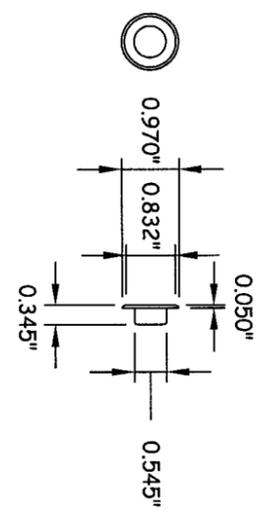
DETAIL E
SEAM USED TO JOIN PANELS

DETAIL F
ZIPPER DETAIL



DETAIL A
PANEL CORNER

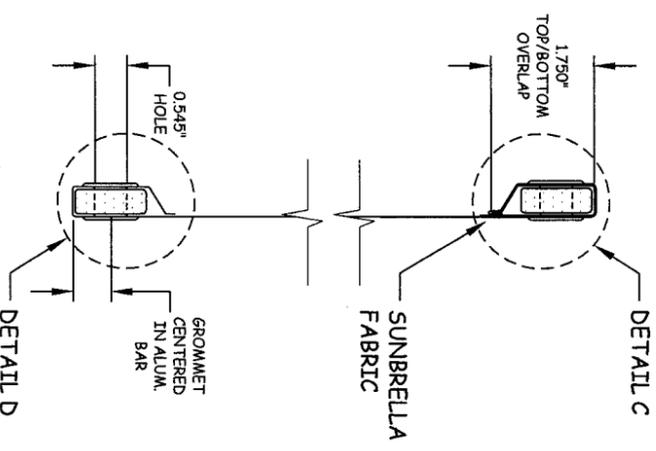
DETAIL D
MOUNTING BRACKET DETAIL



2 GROMMET



1 STORM-A-REST (SUPREME PROTECTOR 503 W/E/PEH) PROFILE



DETAIL C
DETAIL D

REVISIONS

| NO. | DESCRIPTION | BY | DATE |
|-----|---------------------------|-----|----------|
| A | MOVED B.O.M. TO THE RIGHT | JLR | 06.24.09 |
| B | REVISED DETAIL C | KH | 02.22.10 |

TITLE:
STORM-A-REST (503 W/E/PEH)
COMPONENTS AND
BILL OF MATERIALS

PREPARED FOR:
JHRG, LLC
303 S. PINE STREET
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7-12-10
KRISTINA S. DALY/CHERRY
TEXAS P. E. NO. 104380



DATE: 04.23.09
DWN BY: JLR
CHK BY: HN
SCALE: NTS
DWG #: JHRG04
SHEET: 4 OF 4