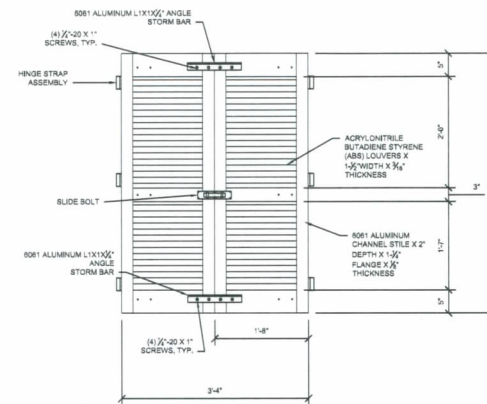


SHUTTER EXTERIOR ELEVATION (LOUVERED)

SCALE: 1"=1'-0"

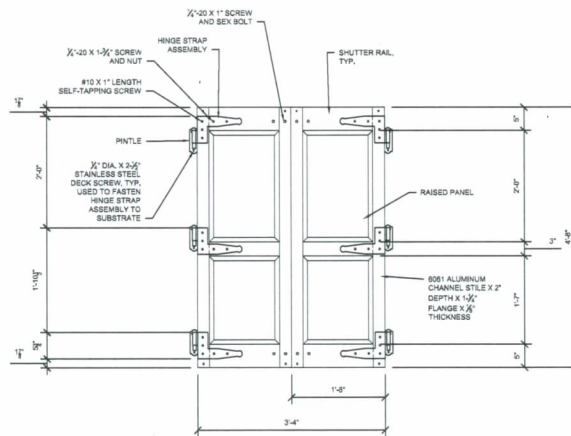
- NOTES**
- THIS SHUTTER IS PROTECTED BY U.S. PATENT 7,036,286
 - OTHER PATENTS ARE PENDING
 - MAXIMUM TESTED SIZE: 4' WIDTH X 120" LENGTH
 - MAXIMUM TEST PRESSURE (DESIGN PRESSURE): 63 PSF
 - THESE ASSEMBLIES HAVE BEEN TESTED IN ACCORDANCE WITH AND CERTIFIED BY HURRICANE TESTING LABS, INC. TO MEET THE FOLLOWING CODES & STANDARDS:
 - ASTM E330
 - ASTM E1888
 - ASTM E1996



SHUTTER INTERIOR ELEVATION (LOUVERED)

SCALE: 1"=1'-0"

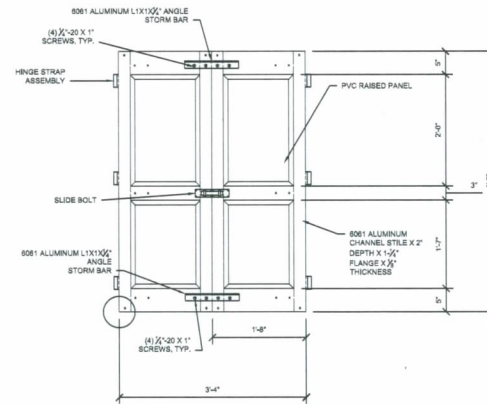
- NOTES**
- THIS SHUTTER IS PROTECTED BY U.S. PATENT 7,036,286
 - OTHER PATENTS ARE PENDING
 - MAXIMUM TESTED SIZE: 4' WIDTH X 120" LENGTH
 - MAXIMUM TEST PRESSURE (DESIGN PRESSURE): 63 PSF
 - THESE ASSEMBLIES HAVE BEEN TESTED IN ACCORDANCE WITH AND CERTIFIED BY HURRICANE TESTING LABS, INC. TO MEET THE FOLLOWING CODES & STANDARDS:
 - ASTM E330
 - ASTM E1888
 - ASTM E1996



SHUTTER EXTERIOR ELEVATION (RAISED PANEL)

SCALE: 1"=1'-0"

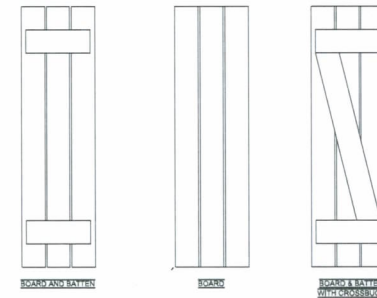
- NOTES**
- THIS SHUTTER IS PROTECTED BY U.S. PATENT 7,036,286
 - OTHER PATENTS ARE PENDING
 - MAXIMUM TESTED SIZE: 4' WIDTH X 120" LENGTH
 - MAXIMUM TEST PRESSURE (DESIGN PRESSURE): 63 PSF
 - THESE ASSEMBLIES HAVE BEEN TESTED IN ACCORDANCE WITH AND CERTIFIED BY HURRICANE TESTING LABS, INC. TO MEET THE FOLLOWING CODES & STANDARDS:
 - ASTM E330
 - ASTM E1888
 - ASTM E1996



SHUTTER INTERIOR ELEVATION (RAISED PANEL)

SCALE: 1"=1'-0"

- NOTES**
- THIS SHUTTER IS PROTECTED BY U.S. PATENT 7,036,286
 - OTHER PATENTS ARE PENDING
 - MAXIMUM TESTED SIZE: 4' WIDTH X 120" LENGTH
 - MAXIMUM TEST PRESSURE (DESIGN PRESSURE): 63 PSF
 - THESE ASSEMBLIES HAVE BEEN TESTED IN ACCORDANCE WITH AND CERTIFIED BY HURRICANE TESTING LABS, INC. TO MEET THE FOLLOWING CODES & STANDARDS:
 - ASTM E330
 - ASTM E1888
 - ASTM E1996



ALTERNATE SHUTTER STYLES

SCALE: NO SCALE

HURRICANE RATED BAHAMA HINGE BY EASTERN METALS FASTENED TO SUBSTRATE BEYOND W/ A MINIMUM OF (5) 1/2" DIA. X 2 1/2" LONG SQUARE DRIVE STAINLESS STEEL DECK SCREWS. TYP. FASTEN HINGE TO SHUTTER W/ (4) #10-24 X 1 1/2" TRUSS HEAD BOLT WITH NYLOX NUT



STAINLESS STEEL LOCKING HINGE DEVICE FASTENED TO SUBSTRATE W/ A MINIMUM OF (3) 1/2" DIA. X 2 1/2" LONG SQUARE DRIVE STAINLESS STEEL DECK SCREWS. TYP.

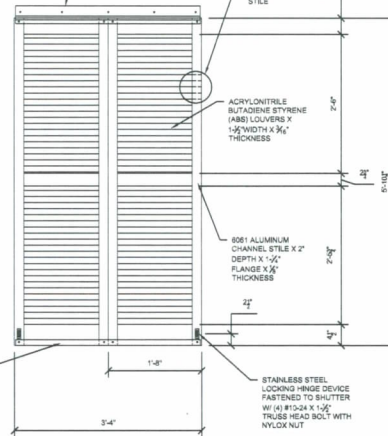
SHUTTER SECTION (BAHAMA)

SCALE: 1"=1'-0"

NOTES

- THIS SHUTTER IS PROTECTED BY U.S. PATENT 7,036,286
- OTHER PATENTS ARE PENDING
- MAXIMUM TESTED SIZE: 40" WIDTH X 120" LENGTH
- MAXIMUM TEST PRESSURE (DESIGN PRESSURE): 63 PSF
- THESE ASSEMBLIES HAVE BEEN TESTED IN ACCORDANCE WITH AND CERTIFIED BY HURRICANE TESTING LABS, INC. TO MEET THE FOLLOWING CODES & STANDARDS:
- ASTM E530
- ASTM E1886
- ASTM E1998

HURRICANE RATED BAHAMA HINGE BY EASTERN METALS FASTENED TO SUBSTRATE BEYOND W/ A MINIMUM OF (5) 1/2" DIA. X 2 1/2" LONG SQUARE DRIVE STAINLESS STEEL DECK SCREWS. TYP. FASTEN HINGE TO SHUTTER W/ (4) #10-24 X 1 1/2" TRUSS HEAD BOLT WITH NYLOX NUT



8061 ALUMINUM L 1 1/2" X 1 1/2" X 1/2" SUPPORT ANGLE FASTENED TO SHUTTER W/ (4) #10-24 X 1 1/2" TRUSS HEAD BOLT WITH NYLOX NUT

ACRYLONITRILE BUTADIENE STYRENE (ABS) LOUVERS X 1 1/2" WIDTH X 3/4" THICKNESS

8061 ALUMINUM CHANNEL STILE X 2" DEPTH X 1/2" FLANGE X 3/4" THICKNESS

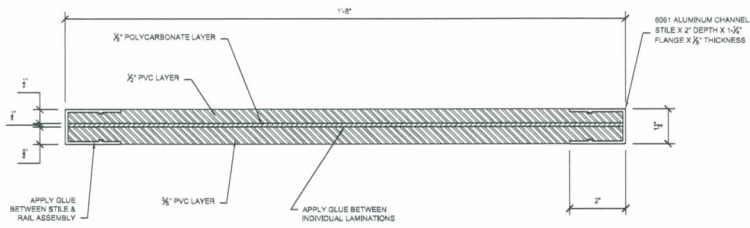
STAINLESS STEEL LOCKING HINGE DEVICE FASTENED TO SHUTTER W/ (4) #10-24 X 1 1/2" TRUSS HEAD BOLT WITH NYLOX NUT

SHUTTER EXTERIOR ELEVATION (BAHAMA)

SCALE: 1"=1'-0"

NOTES

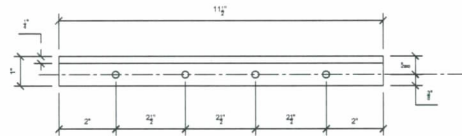
- THIS SHUTTER IS PROTECTED BY U.S. PATENT 7,036,286
- OTHER PATENTS ARE PENDING
- MAXIMUM TESTED SIZE: 40" WIDTH X 120" LENGTH
- MAXIMUM TEST PRESSURE (DESIGN PRESSURE): 63 PSF
- THESE ASSEMBLIES HAVE BEEN TESTED IN ACCORDANCE WITH AND CERTIFIED BY HURRICANE TESTING LABS, INC. TO MEET THE FOLLOWING CODES & STANDARDS:
- ASTM E530
- ASTM E1886
- ASTM E1998



PLAN VIEW OF SHUTTER RAILS

SCALE: 6"=1'-0"

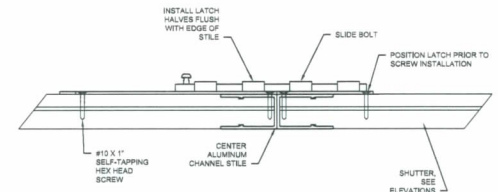
- NOTES**
- THIS SHUTTER IS PROTECTED BY U.S. PATENT 7,036,286
 - OTHER PATENTS ARE PENDING
 - GLUE USED FOR ASSEMBLY OF LAMINATIONS TO BE BOStIC 820 MARINE GRADE URETHANE SEALANT
 - POLYCARBONATE LAYER TO BE LEXAN 9034 UNCOATED POLYCARBONATE SHEET BY GE STRUCTURED PRODUCTS



STORM BAR DETAIL

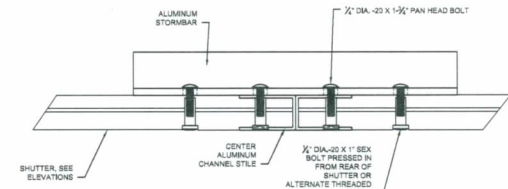
SCALE: 6"=1'-0"

- NOTES**
- THIS SHUTTER IS PROTECTED BY U.S. PATENT 7,036,286
 - OTHER PATENTS ARE PENDING
 - STORM BAR MATERIAL TO BE 6061 ALUMINUM



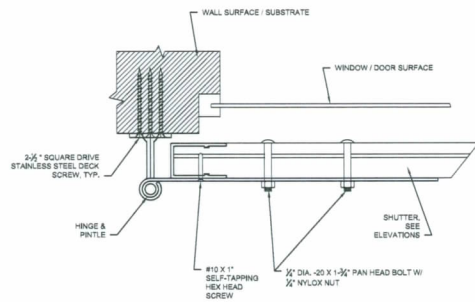
SLIDEBOLT ATTACHMENT

SCALE: 6"=1'-0"



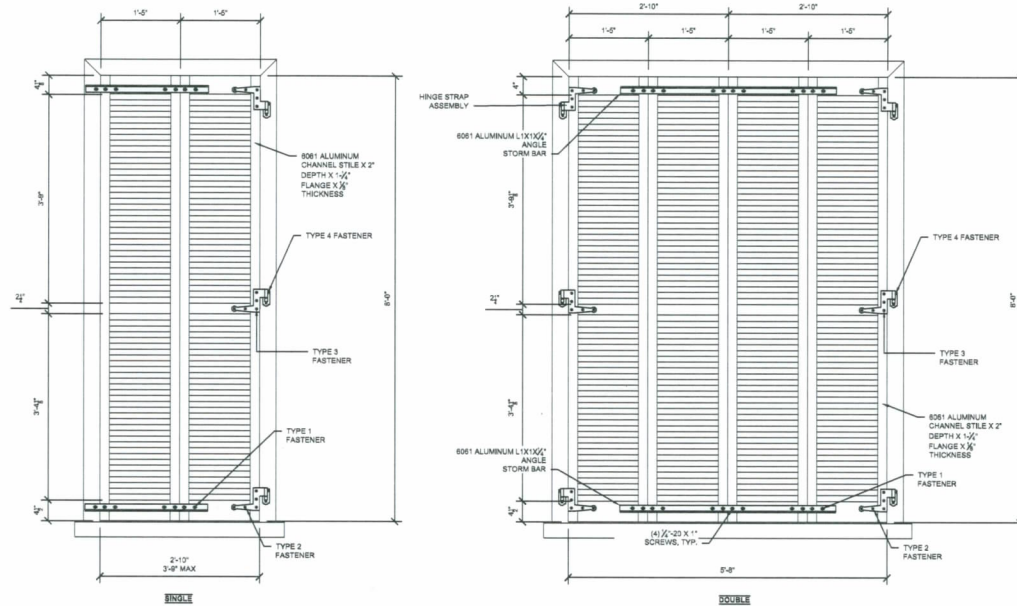
STORMBAR ATTACHMENT

SCALE: 6"=1'-0"



HINGE ATTACHMENT TO SUBSTRATE

SCALE: 6"=1'-0"



SHUTTER EXTERIOR ELEVATION (LOUVERED BIFOLD)

SCALE: 1"=1'-0"

- NOTES**
- THIS SHUTTER IS PROTECTED BY U.S. PATENT 7,236,286
 - OTHER PATENTS ARE PENDING
 - MAXIMUM WINDSPEED: 140 MPH, EXPOSURE C
 - THESE ASSEMBLIES HAVE BEEN TESTED IN ACCORDANCE WITH AND CERTIFIED BY HURRICANE TESTING LABS, INC. TO MEET THE FOLLOWING CODES & STANDARDS:
 - ASTM E830
 - ASTM E1886
 - ASTM E1888

FASTENER SCHEDULE

TYPE	DESCRIPTION
1	1/4-20 304 SS 4mm Allen Drive Torx/Hex with 304 SS Inset
2	1/4-20 304 SS 4mm Allen Drive Torx/Hex with Nylon Nut
3	#10 Indented Hex Head Self Tapping Screw - 1"
4	Substrate Appropriate Anchor (see embed schedule)

EMBED SCHEDULE

SUBSTRATE	RECOMMENDED ANCHOR
Wood	#10 Deck Screw or Equivalent (2" or greater embed into Structure required)
Concrete	#10 Tapcon (1 3/4" or greater embed required)
Brick (S&B)	#10 Tapcon (1 3/4" or greater embed required)
Brick (Hollow, non Structural)	Holes must be thru drilled to access Structural Substrate
Block (Hollow, Structural)	#10 Epoxy Concrete Anchors of appropriate length. Toggle's not recommended