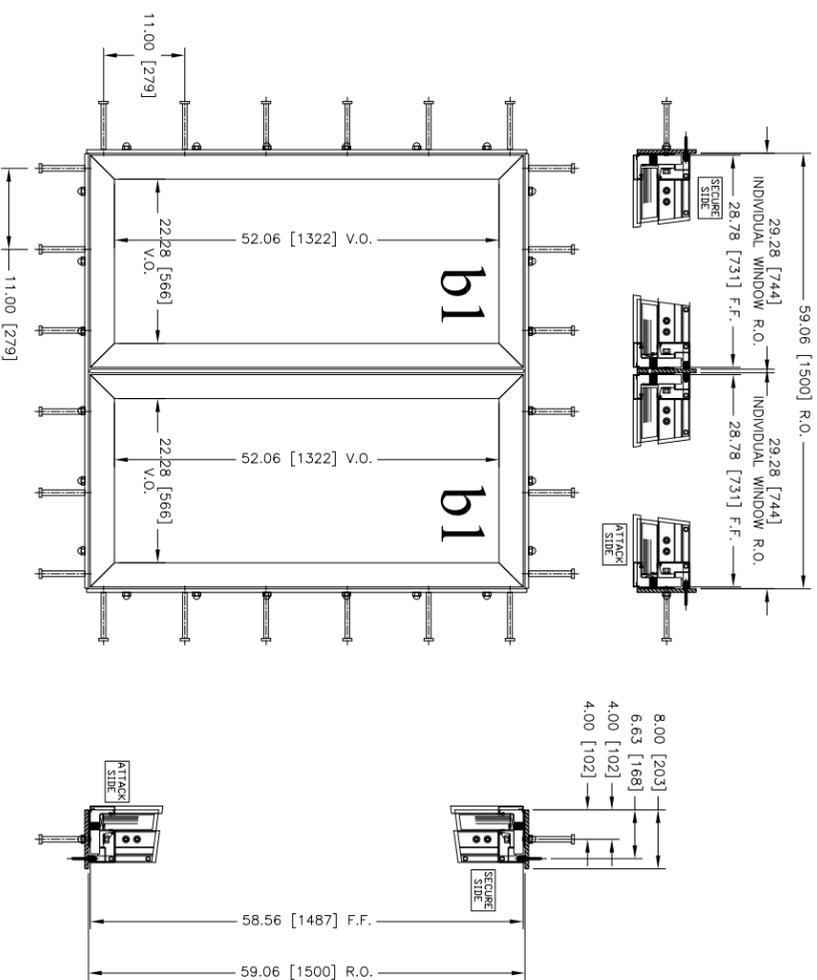
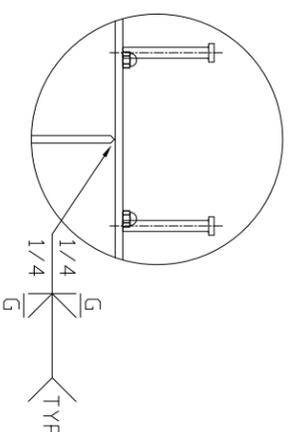


# G-1



## WELD AT MULLION (FRAME REMOVED FOR CLARITY) SCALED 2X



## Remarks and Material Information

- M16 bolts are torqued to 35 ft-lbs +/- 5 ft-lbs [47 N-m +/- 7 N-m].
- Dimensions in [ ] are metric.
- Studs are 5/8" x 6 9/16" (16mm x 167mm) Nelson Studs at jambs.
- Studs are 3/4" x 6 3/16" (20mm x 157mm) Nelson Studs at head & sill.
- Anchor spacing is a maximum 10" (254mm) on center.
- Stud spacing is a maximum 11" (280mm) on center at the head & sill.
- Frame and glazing stop material are 6005A-161 Aluminum
- Ross Model #GWV-15R-ROS-04 (DOS Code 1123/Blast)
- Setting Blocks are 1/2" thick neoprene, shore A/80 Durometer.
- Glazing Blocks are 1/8" thick rubber, shore A/50 Durometer.
- Shims are 1/16" stackable plastic horseshoe design shims with break-away tabs at every frame bolt.
- Glazing is type 6, Low E (DOS 1123/Blast)
- See drawings 48112000A & 48112000B for section information.
- All material callouts, fastener size & spacing, stud size & spacing, and glazing type is per blast specifications.
- All welding to be done by manufacturer unless otherwise noted.

ITEM	QTY	PART NUMBER	DESCRIPTION
2	2	TBD	WINDOW b1 ASSEMBLY INSERT
1	1	TBD	WINDOW G-1 ASSEMBLY EMBED

Parts List

## Ross Technology Corp. Security Systems

### Window G-1 Assembly

Customer US Department of State

SIZE	WO#	DWG NO	REV
B	61000	48112000	A

SCALE	CLIN#	PO#
1/25	0012	SACQMAA11D0064

## Finishing Information

- Attack Side Window Frame Assembly
  - Extruded Aluminum Frame, Mill Finish  
Extruded Snap on Cladding,  
Paint color per Task Order.
- Secure Side Window Frame Assembly
  - Extruded Aluminum Frame, Mill Finish  
Extruded Aluminum Glazing Stop Covers,  
Paint color per Task Order.
- Embed Sub Frame
  - Hot dipped galvanized.

UNCLASSIFIED

R.O. = ROUGH OPENING  
W.O. = WINDOW OPENING  
F.F. = FINISHED FRAME  
V.O. = VISION OPENING  
QTY. = QUANTITY  
WO# = WORK ORDER NUMBER  
TYP = TYPICAL

## Tolerances

APPROVED	MarkH	7/22/2011
Angular (Deg/Min)		± 0°30'
Linear (Frac)		± 1/16
Linear (Dec)		.x ± .06 .xx ± .03 .xxx ± .015

DRAWN	MarkH	7/22/2011
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4

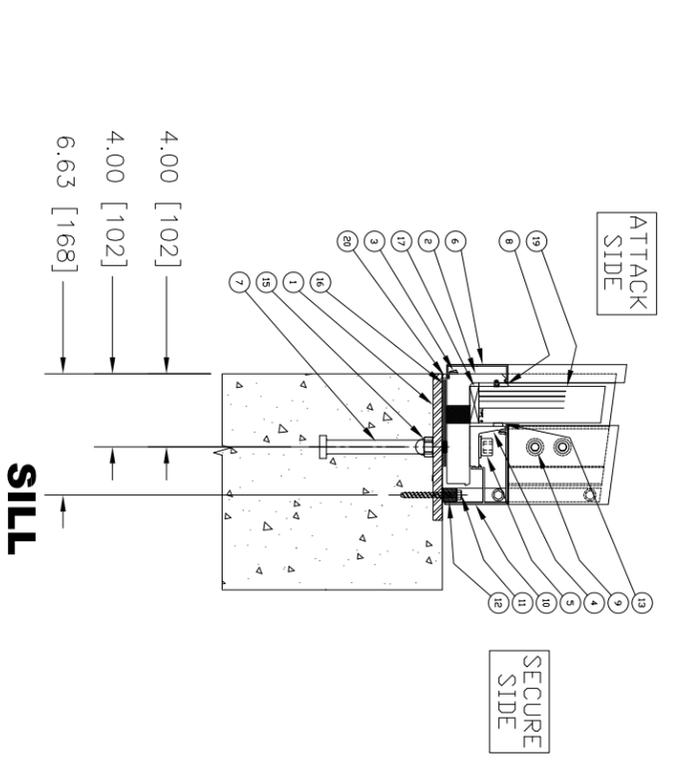
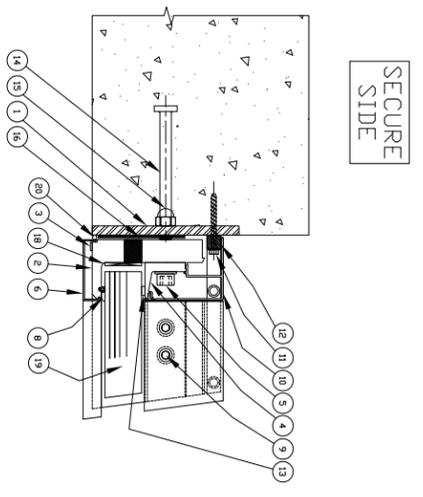
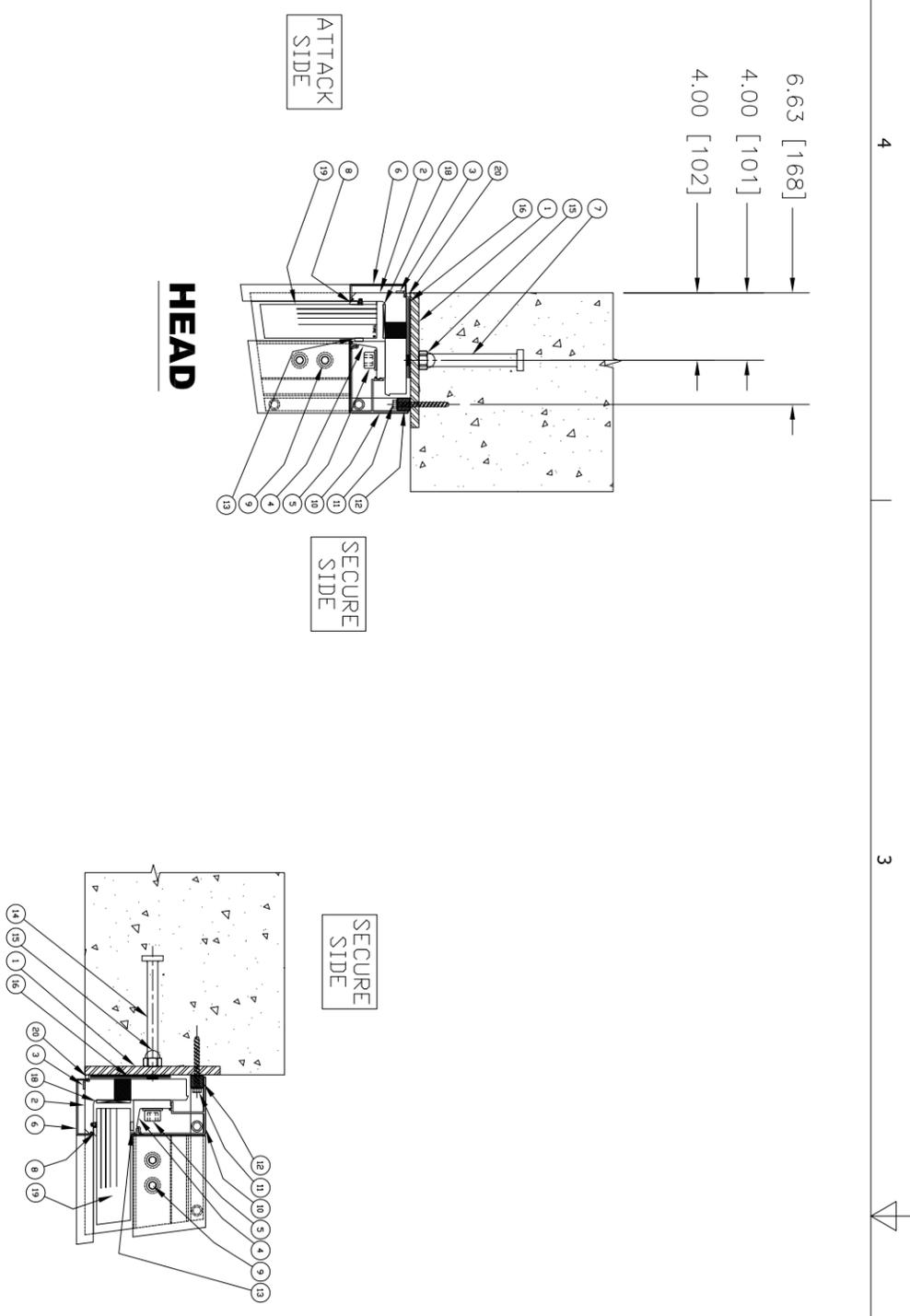
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2

1

A	ADDED DRY GLAZE GASKET, CHANGED SCALE TO 1/10	12/1/11	MEH
A	EDITED NOTES PER COMMENTS, ADD UNCLASSIFIED	12/1/11	MEH
A	ADD THERMAL BREAK TO MULLION, MULLION TRIM	12/10/11	MEH
REV	DESCRIPTION	DATE	BY
REVISIONS			

- 1.) 1/2" x 8" (13mm x 204mm) A36 STEEL EMBED PLATE, GALVANIZED DRILLED & TAPPED TO RECEIVE ANCHORS
- 2.) THERMALLY BROKEN ALUMINUM WINDOW FRAME SLOTTED TO RECEIVE ANCHORS
- 3.) WEEP COVER AT SILL, CAP ELSEWHERE
- 4.) EXTRUDED ALUMINUM GLAZING STOP
- 5.) M16x2.0x75g SHCS, CL. 12-9-Z @ 10" o/c MAX
- 6.) ALUMINUM SNAP ON EXTERIOR CLADDING PAINTED PER TASK ORDER
- 7.) 3/4"x6 3/16"lg (15mm x 157mm) NELSON STUD 11" (280mm) o/c MAX AT HEAD & SILL
- 8.) DUAL DUROMETER DRY-GLAZING BULB (FACTORY INSTALLE)
- 9.) M12x1.75x20lg HHCS, CL. 10-9-Z, TO SECURE GLAZING STOPS DURING SHIPMENT
- 10.) ALUMINUM SNAP ON INTERIOR COVERS PAINTED PER TASK ORDER
- 11.) 1/4"x3" (6.5mm x 75mm) CONCRETE ANCHORS PATTERN @ 6" o/c MAX
- 12.) 3/4" x 3/4" (20mm x 20mm) A36 BALLISTIC TRIM, GALVANIZED
- 13.) PEMKO FOAM WEATHERSTRIPPING
- 14.) 5/8"x6 9/16"lg (15mm x 167mm) NELSON STUD 11" (280mm) o/c MAX AT JAMBS
- 15.) M16x2.0 ACORN NUT, WELDED TO EMBED PLATE (FOR BOLT OVERRUN ONLY - NOT STRUCTURAL)
- 16.) 1/16" PLASTIC HORSHESHOE DESIGN SHIMS @ EACH ANCHOR BOLT LOCATION
- 17.) 1/2" x 2" x 4"lg (13mm x 51mm x 102mm) A80 DUR. SETTING BLOCK @ SILL & ALTERNATE SILL
- 18.) 1/8" x 2" x 4"lg (13mm x 51mm x 102mm) A50 DUR. GLAZING BLOCK OPPOSITE SILL & ALTERNATE SILL
- 19.) ROSS TYPE 6, LOW E GLAZING, 2" THICK FEBR
- 20.) BACKER ROD & SEALANT, PROCURED & INSTALLED BY CONTRACTOR  
(SEE TYPICAL TRIM DRAWING FOR FLASHING DETAIL)

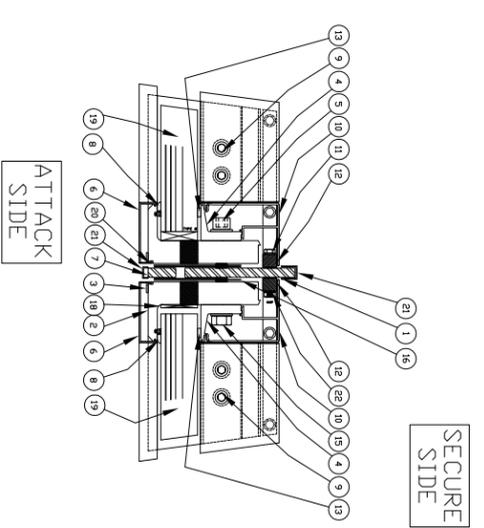


**UNCLASSIFIED**

DRAWN MarkH 7/22/2011		<b>Ross Technology Corp.</b> <b>Security Systems</b>	
APPROVED			
Tolerances		TITLE <b>Window G-1 Sections</b>	
Angular (Deg/Min)	± 0°30'	Customer US Department of State	
Linear (Frac)	± 1/16	SIZE WO#	DWG NO
Linear (Dec)	.x ± .06	B 61000	48112000A
	.xx ± .03	SCALE	1/10
	.xxx ± .015		
		REV	A

A	ADDED DRY GLAZE GASKET, CHANGED SCALE TO 1/10	12/1/11	MEH
A	EDITED NOTES PER COMMENTS, ADD UNCLASSIFIED	12/1/11	MEH
A	ADD THERMAL BREAK TO MULLION, MULLION TRIM	12/10/11	MEH
REV	DESCRIPTION	DATE	BY
REVISIONS			

- 1.) 1/2" x 8" (13mm x 204mm) A36 STEEL MULLION, GALVANIZED DRILLED TO RECEIVE ANCHORS
- 2.) THERMALLY BROKEN ALUMINUM WINDOW FRAME SLOTTED TO RECEIVE ANCHORS
- 3.) WEEP COVER AT SILL, CAP ELSEWHERE
- 4.) EXTRUDED ALUMINUM GLAZING STOP
- 5.) M16x2.0x145lg SHCS, CL. 12.9-Z @ 10" o/c MAX
- 6.) ALUMINUM SNAP ON EXTERIOR CLADDING PAINTED PER TASK ORDER
- 7.) 1/2"x1 1/2" (13mm x 38mm) A36 STEEL MULLION, GALVANIZED
- 8.) DUAL DUROMETER DRY-GLAZING BULB (FACTORY INSTALLED)
- 9.) M12x1.75x20lg HHCS, CL. 10.9-Z,  
TO SECURE GLAZING STOPS DURING SHIPMENT
- 10.) ALUMINUM SNAP ON INTERIOR COVERS PAINTED PER TASK ORDER
- 11.) M8x1.25x70lg HHCS, CLASS 10.9-Z PATTERN @ 6" o/c MAX
- 12.) 3/4" x 3/4" (20mm x 20mm) A36 BALLISTIC TRIM, GALVANIZED
- 13.) PEMKO FOAM WEATHERSTRIPPING
- 14.) NOT USED
- 15.) M16x2.0 HEX NUT, PLATED
- 16.) 1/16" PLASTIC HORSHESHOE DESIGN SHIMS @ EACH ANCHOR BOLT LOCATION
- 17.) 1/2" x 2" x 4"lg (13mm x 51mm x 102mm) A80 DUR. SETTING BLOCK @ SILL & ALTERNATE SILL
- 18.) 1/8" x 2" x 4"lg (13mm x 51mm x 102mm) A50 DUR. GLAZING BLOCK OPPOSITE SILL & ALTERNATE SILL
- 19.) ROSS TYPE 6, LOW E GLAZING, 2" THICK FEBR & BACKER ROD & SEALANT, PROCURED & INSTALLED BY CONTRACTOR
- 21.) MULLION COVER, PAINTED TO MATCH WINDOW TRIM
- 22.) M8 HEX NUT, PLATED



**MULLION**

DRAWN	MarkH	7/22/2011	<b>Ross Technology Corp.</b> <b>Security Systems</b>		
APPROVED					
<b>Tolerances</b> Angular (Deg/Min) ± 0°30' Linear (Frac) ± 1/16 Linear (Dec) .x ± .06 .xx ± .03 .xxx ± .015			TITLE <b>Window G-1 Sections</b>		
			Customer US Department of State		
SIZE	WO#	DWG NO	REV		
B	61000	48112000B	A		
SCALE	1/10				

UNCLASSIFIED