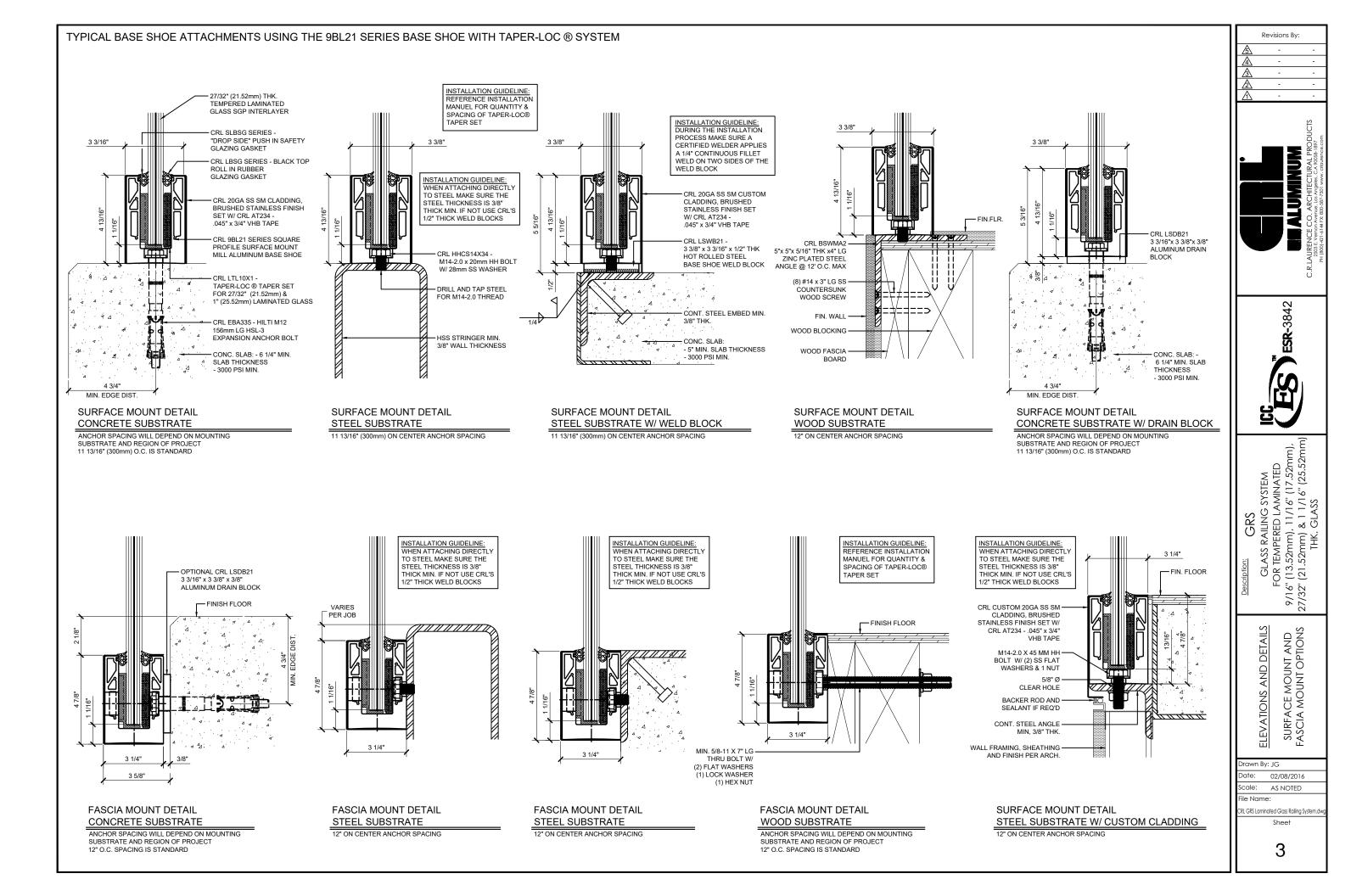


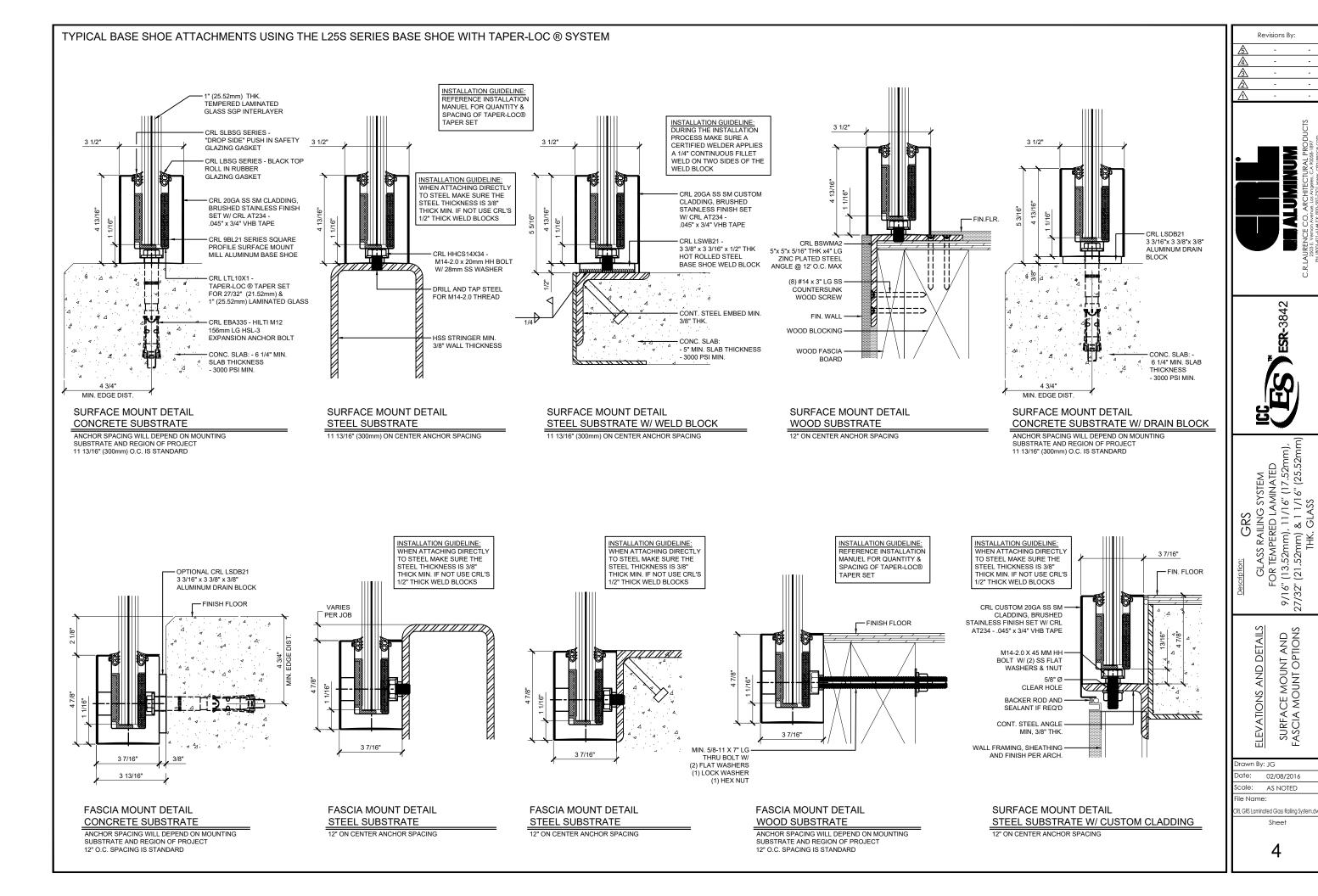
TYPICAL BASE SHOE ATTACHMENTS USING THE 9BL68 SERIES BASE SHOE WITH TAPER-LOC ® SYSTEM Revisions By: INSTALLATION GUIDELINE: REFERENCE INSTALLATION MANUEL FOR QUANTITY & TEMPÈRED I AMINATED GLASS SGP INTERLAYER SPACING OF TAPER-LOC® INSTALLATION GUIDELINE: DURING THE INSTALLATION TAPER SET PROCESS MAKE SURE A CRL SLBSG SERIES -CERTIFIED WELDER APPLIES 3 3/16" "DROP SIDE" PUSH IN SAFETY 3 1/16" 3 3/16" 3 3/16" 3 3/16" A 1/4" CONTINUOUS FILLET GLAZING GASKET WELD ON TWO SIDES OF THE CRL LBSG SERIES - BLACK TOP ROLL IN RUBBER GLAZING GASKET CRL 20GA SS SM CUSTOM CLADDING ISTALLATION GUIDELINE BRUSHED STAINLESS FINISH WHEN ATTACHING DIRECTL TO STEEL MAKE SURE THE CRL 20GA SS SM CLADDING, BRUSHED STAINLESS FINISH SET W/ TEEL THICKNESS IS 3/8" CRL LSWB21 3"x 3 1/4"x 1/2" THK HOT ROLLED STEEL BASE SHOE THICK MIN IF NOT USE CRU'S CRL AT234 - .045" x 3/4" /2" THICK WELD BLOCKS VHB TAPE CRL LSDB21 CRL 9BL68 SERIES 3 3/16"x 3 3/8"x 3/8" ALUMINUM DRAIN SQUARE PROFILE SURFACE MOUNT MILL CRL HHCS14X34 -ALUMINUM BASE SHOE M14-2.0 x 20mm HH BOLT W/ 28mm SS WASHER CRI LTI 96X1 CRL BSWMA2 TAPER-LOC ® CRL EBA335 -5"x 5"x 5/16" THK x4" LG ZINC PLATED STEEL HILTI M12 156mm LG HSL-3 EXPANSION TAPER SET FOR ORILL AND TAP STEEL CONT. STEEL EMBED MIN. 9/16" (13.52mm) & FOR M14-2.0 THREAD 3/8" THK. 11/16" (17.52mm) ANCHOR BOLT LAMINATED GLASS (8) #14 x 3 LG SS CONC. SLAB: - 5" MIN HSS STRINGER MIN. COUNTERSUNK CRL EBA335 - HILTI M12 SLAB THICKNESS 3/8" WALL THICKNESS - 5" MIN. SLAB THICKNESS WOOD SCREWS 6-1/8" EXPANSION LONG HSL-3 EXPANSION - 3000 PSI MIN. - 3000 PSI MIN. CONC. SLAB: - 5" MIN. WOOD BLOCKING SLAB THICKNESS 4 3/4" WOOD FASCIA BOARD MIN. EDGE DIST MIN. EDGE DIST. SURFACE MOUNT DETAIL CONCRETE SUBSTRATE STEEL SUBSTRATE STEEL SUBSTRATE W/ WELD BLOCK CONCRETE SUBSTRATE W/ DRAIN BLOCK WOOD SUBSTRATE GLASS RALING SYSTEM FOR TEMPERED LAMINATED 16" (13.52mm), 11/16" (17.52mm), 32" (21.52mm) & 11/16" (25.52mm) THK. GLASS 12" ON CENTER ANCHOR SPACING ANCHOR SPACING WILL DEPEND ON MOUNTING 12" ON CENTER ANCHOR SPACING ANCHOR SPACING WILL DEPEND ON MOUNTING 12" O.C. SPACING IS STANDARD 12" O.C. SPACING IS STANDARD GRS NSTALLATION GUIDELINE: INSTALLATION GUIDELINE: INSTALLATION GUIDELINE: INSTALLATION GUIDELINE: WHEN ATTACHING DIRECTI WHEN ATTACHING DIRECTI O STEEL MAKE SURE THE TO STEEL MAKE SURE THE MANUEL FOR QUANTITY & TO STEEL MAKE SURE THE FIN. FLOOR STEEL THICKNESS IS 3/8" STEEL THICKNESS IS 3/8" SPACING OF TAPER-LOC® STEEL THICKNESS IS 3/8" THICK MIN. IF NOT USE CRL'S THICK MIN. IF NOT USE CRL'S THICK MIN. IF NOT USE CRL'S TAPER SET /2" THICK WELD BLOCKS 2" THICK WELD BLOCKS - OPTIONAL CRI I SDB21 ALUMINUM DRAIN BLOCK CRL CUSTOM 20GA SS SM -CLADDING, BRUSHED STAINLESS FINISH SET W/ CRL FINISH FLOOR BASE SHOE OPTIONS SURFACE & FASCIA MOUNT VARIES - FINISH FLOOR M14-2.0 X 45 MM H BOLT W/ (2) SS FLAT WASHERS & 1 NUT CLEAR HOLE BACKER ROD AND SEALANT IF REQ'D CONT. STEEL ANGLE MIN, 3/8" THK WALL FRAMING, SHEATHING AND FINISH PER ARCH. MIN. 5/8-11 X 7" LG THRU BOLT W/ 3 1/8" (2) FLAT WASHERS 02/08/2016 (1) LOCK WASHER cale: AS NOTED (1) HEX NUT 3 1/2" ile Name: **FASCIA MOUNT DETAIL FASCIA MOUNT DETAIL FASCIA MOUNT DETAIL FASCIA MOUNT DETAIL** SURFACE MOUNT DETAIL L GRS Laminated Glass Railing System.c **CONCRETE SUBSTRATE** STEEL SUBSTRATE STEEL SUBSTRATE WOOD SUBSTRATE STEEL SUBSTRATE W/ CUSTOM CLADDING Sheet ANCHOR SPACING WILL DEPEND ON MOUNTING SUBSTRATE AND REGION OF PROJECT ANCHOR SPACING WILL DEPEND ON MOUNTING SUBSTRATE AND REGION OF PROJECT 12" ON CENTER ANCHOR SPACING 12" ON CENTER ANCHOR SPACING 12" ON CENTER ANCHOR SPACING

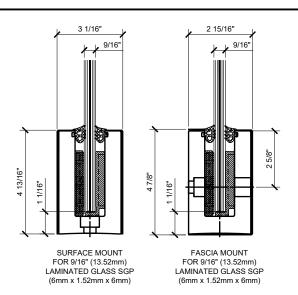
12" O.C. SPACING IS STANDARD

9/16"

2

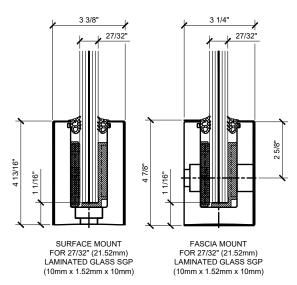






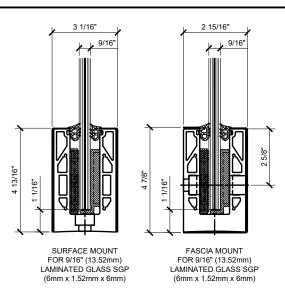
L56S SERIES BASE SHOE

LTL96X1 TAPER-LOC®



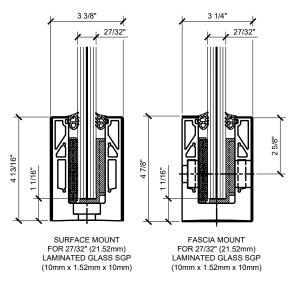
L21S SERIES BASE SHOE

LTL10X1 TAPER-LOC®



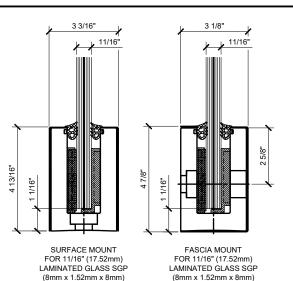
9BL56 SERIES BASE SHOE

LTL96X1 TAPER-LOC®



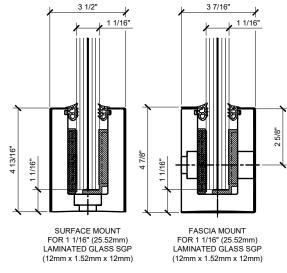
9BL21 SERIES BASE SHOE

LTL10X1 TAPER-LOC®



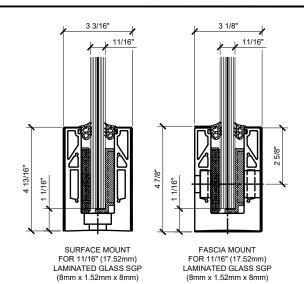
L68S SERIES BASE SHOE

LTL96X1 TAPER-LOC®



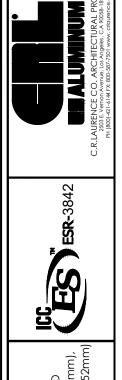
L25S SERIES BASE SHOE

LTL10X1 TAPER-LOC®



9BL68 SERIES BASE SHOE

LTL96X1 TAPER-LOC®



Revisions By:

Description: GRS
GLASS RAILING SYSTEM
FOR TEMPERED LAMINATED
9/16" (13.52mm), 11/16" (17.52mm),
27/32" (21.52mm) & 1 1/16" (25.52mm)
THK. GLASS

AP RAIL OPTIONS

Orawn By: JG Date: 02/08/2016

Scale: AS NOTED
File Name:

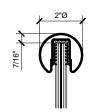
RL GRS Laminated Glass Railing System.dv Sheet

5

FOR 9/16" (13 52mm) LAMINATED TEMPERED GLASS (WET SET W/ TUFF-PAK & SILICONE)



FOR 9/16" (13 52mm) LAMINATED TEMPERED GLASS (WET SET W/ TUFF-PAK & SILICONE)

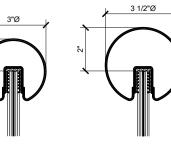


GR20 - 2"Ø FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS

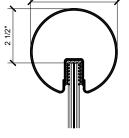


GLASS

GR30 - 3"Ø FOR 9/16" (13.52mm) LAMINATED TEMPERED FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS



GR35 - 3 1/2"Ø FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS

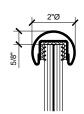


GR40 - 4"Ø FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS

SQ.

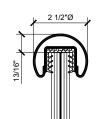
FOR 9/16" (13.52mm) LAMINATED TEMPERED

GLASS



LR20 - 2"Ø FOR 27/32" (21.52mm) & 1 1/16" (25.52mm) LAMINATED TEMPERED GLASS

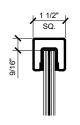
*ALSO AVAILABLE FOR 11/16" (17.52mm) LAMINATED GLASS TO BE WET SET W/ TUFF-PAK & SILICONE



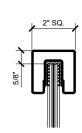
LR25 - 2 1/2"Ø FOR 27/32" (21.52mm) & 1 1/16" (25.52mm) LAMINATED TEMPERED GLASS

*ALSO AVAILABLE FOR 11/16" (17.52mm) LAMINATED GLASS TO BE WET SET W/ TUFF-PAK & SILICONE

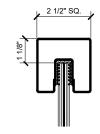
BUMP-FORMED & WELDED PREMIUM RADIUS PROFILE CAP RAIL



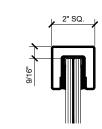
GRS15 - 1 1/2" SQ. FOR 9/16" (13 52mm) LAMINATED TEMPERED GLASS (WET SET W/ TUFF-PAK & SILICONE)



GRS20 - 2" SQ. FOR 9/16" (13 52mm) LAMINATED TEMPERED GLASS

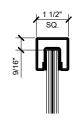


GRS25 - 2 1/2" SQ. LAMINATED TEMPERED GLASS

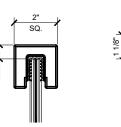


GRS207 - 2" SQ. FOR 9/16" (13.52mm) FOR 11/16" (17.52mm) & 27/32" (21.52mm)

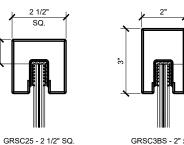
AMINATED TEMPERED LAMINATED TEMPERED GLASS (WET SET W/ TUFF-PAK & SILICONE)



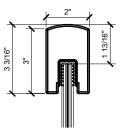
GRSC15 - 1 1/2" SQ. FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS (WET SET W/ TUFF-PAK & SILICONE)



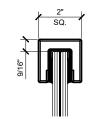
GRSC20 - 2" SQ. FOR 9/16" (13 52mm) LAMINATED TEMPERED GLASS



GRSC3BS - 2" x 3" FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS



GRSCR3BS - 2" x 3" FOR 9/16" (13 52mm) LAMINATED TEMPERED GLASS

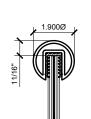


GRSC207 - 2" SQ. FOR 11/16" (17.52mm) & 27/32" (21.52mm)

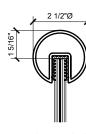
LAMINATED TEMPERED GLASS (WET SET W/ TUFF-PAK & SILICONE)

BUMP-FORMED & WELDED PREMIUM SQUARE PROFILE CAP RAIL

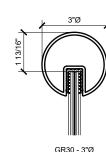




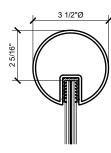
GR19 - 1.9"Ø FOR 9/16" (13.52mm) TEMPERED GLASS



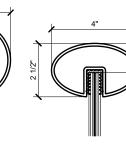
GR25 - 2 1/2"Ø FOR 9/16" (13.52mm) TEMPERED GLASS



GR30 - 3"Ø FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS

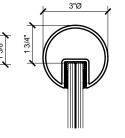


GR35 - 3 1/2"Ø FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS

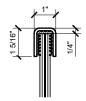


GLASS

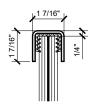
GR0V4 - 4" x 2 1/2" OVAL FOR 9/16" (13.52mm) LAMINATED TEMPERED



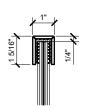
GR307 - 3"Ø FOR 11/16" (17.52mm) & 27/32" (21.52mm) LAMINATED TEMPERED GLASS (WET SET W/ TUFF-PAK & SILICONE)



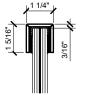
GRL10 - 1" x 1 5/16" FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS



L10 - 1 7/16" x 1 7/16" FOR 27/32" (21.52mm) LAMINATED TEMPERED GLASS *ALSO AVAILABLE FOR 11/16" (17.52mm LAMINATED GLASS TO BE WET SET W/ TUFF-PAK & SILICONE



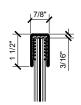
LAMINATED TEMPERED GLASS



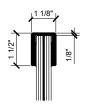
GRLC10 - 1" x 1 5/16" GRLC107 - 1 1/4" x 1 5/16" FOR 9/16" [13.52mm) FOR 11/16" (17.52mm) & 27/32" (21.52mm) LAMINATED TEMPERED GLASS (WET SET W/ TUFF-PAK & SILICONE)

LOW PROFILE 11 GAUGE CRISP CORNER CAP RAIL

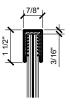
EXTRUDED ALUMINUM CAP RAIL



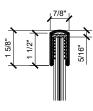
GRUC5 - 7/8" x 1 1/2" FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS



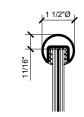
GRUC7 - 1 1/8" x 1 1/2" FOR 11/16" (17.52mm) & 27/32" (21.52mm) LAMINATED TEMPERED GLASS (WET SET W/ TUFF-PAK & SILICONE)



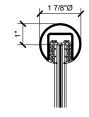
GRCF5 - 7/8" x 1 1/2" FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS



GRCR5 - 7/8" x 1 1/2" FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS



GRRF15 - 1 1/2"Ø FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS *ALSO AVAILABLE FOR 11/16" (17.52mm) LAMINATED GLASS TO BE WET SET W/



GRRF20 - 1 7/8"Ø FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS

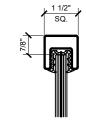


LOW PROFILE 11 GAUGE CAP RAIL

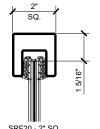
*ALSO AVAILABLE FOR 27/32" (21.52mm) LAMINATED GLASS TO BE WET SET W/ TUFF-PAK & SILICONE

GRRF20 - 1 7/8"Ø

TEMPERED GLASS



SRF15 - 1 1/2" SQ. FOR 9/16" (13.52mm) & 11/16" (17.52mm) LAMINATED TEMPERED GLASS SET W/ SRF1513PV CAP RAIL INSERT



SRF20 - 2" SQ. FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS SET W/ GRRF2013PV CAP RAIL VINYL INSERT

U-CHANNEL 18 GAUGE CAP RAIL

U-CHANNEL 18 GAUGE CRISP CORNER CAP RAIL



TUFF-PAK & SILICONE



cale:

ile Name:

Revisions Bv:

ESR-3842

Description: GRS
GLASS RAILING SYSTEM
FOR TEMPERED LAMINATED
9/16" (13.52mm), 11/16" (17.52mm),
27/32" (21.52mm) & 1 1/16" (25.52mm)
THK. GLASS

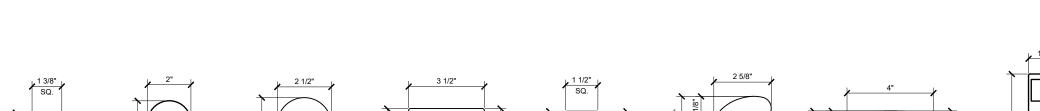
RAIL

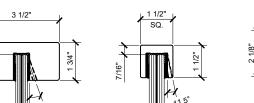
02/08/2016

AS NOTED

RL GRS Laminated Glass Railing System.c

Sheet

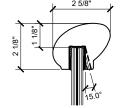




3243 SERIES - 1 1/2" SQ.

FOR 11/16" (21.52mm) LAMINATED TEMPERED GLASS

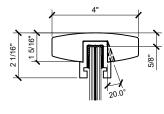
(WET SET W/ TUFF-PAK & SILICONE)



376 SERIES - ELLIPTICAL

FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS

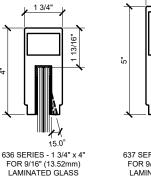
(WET SET W/ TUFF-PAK & SILICONE)



398 SERIES - 4" x 1 5/16"

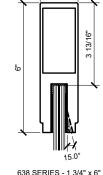
FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS

(WET SET W/ TUFF-PAK & SILICONE)



(WET SET W/ TUFF-PAK &

SILICONE)



638 SERIES - 1 3/4" x 6" FOR 9/16" (13.52mm) LAMINATED GLASS (WET SET W/ TUFF-PAK & SILICONE)

637 SERIES - 1 3/4" x 5" FOR 9/16" (13.52mm) LAMINATED GLASS (WET SET W/ TUFF-PAK & SILICONE)

BLUMCRAFT ® EXTRUDED ALUMINUM CAP RAIL

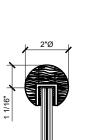
BLUMCRAFT ® EXTRUDED SOLID ALUMINUM CAP RAIL

FOR 9/16" (13.52mm) FOR 9/16" (13.52mm)

LAMINATED TEMPERED GLASS LAMINATED TEMPERED GLASS

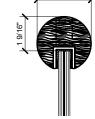
337 SERIES - 2"Ø

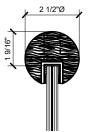
(WET SET W/ TUFF-PAK & SILICONE)



324 SERIES - 1 3/8" SQ.

(WET SET W/ TUFF-PAK & SILICONE)

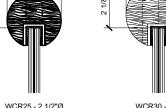


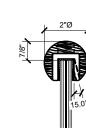


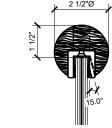
FOR 9/16" (13.52mm)

LAMINATED GLASS

(WET SET W/ TUFF-PAK & SILICONE)



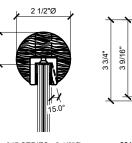


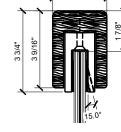


339 SERIES - 3 1/2" x 1 3/4"

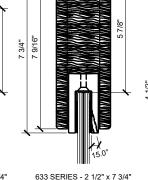
FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS

(WET SET W/ TUFF-PAK & SILICONE)







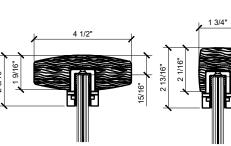


LAMINATED GLASS

(WET SET W/ TUFF-PAK &

SILICONE)





397 SERIES - 1 34" x 2 13/16" FOR 9/16" (13.52mm) LAMINATED GLASS (WET SET W/ TUFF-PAK & SILICONE)

373 SERIES - 4 1/2" x 2 5/16" FOR 9/16" (13.52mm) LAMINATED GLASS (WET SET W/ TUFF-PAK & SILICONE)

TUFF-PAK & SILICONE) WOOD CAP RAIL

WCR20 - 2"Ø

FOR 9/16" (13.52mm)

LAMINATED GLASS

(WET SET W/

ELEVATIONS AND DETAILS SURFACE MOUNT AND FASCIA MOUNT OPTIONS

Drawn By: JG Scale: AS NOTED

File Name: RL GRS Laminated Glass Railing System.d

Sheet

GLASS RAILING SYSTEM FOR TEMPERED LAMINATED 9/16" (13.52mm), 11/16" (17.52mm), 27/32" (21.52mm) & 1.1/16" (25.52mm) THK. GLASS GRS

Revisions Bv:

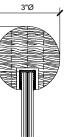
III ALUMINUM

ESR-3842

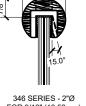
338 SERIES - 2 1/2" Ø

FOR 9/16" (13.52mm) LAMINATED TEMPERED GLASS

(WET SET W/ TUFF-PAK & SILICONE)







FOR 9/16" (13.52mm) LAMINATED GLASS (WET SET W/ TUFF-PAK & SILICONE)



FOR 9/16" (13.52mm) LAMINATED GLASS (WET SET W/ TUFF-PAK & SILICONE)



SILICONE)

632 SERIES - 2 1/2" x 5 3/4" LAMINATED GLASS

SILICONE)

(WET SET W/ TUFF-PAK &