

Revisions By:	
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1	03-07-22 RPD

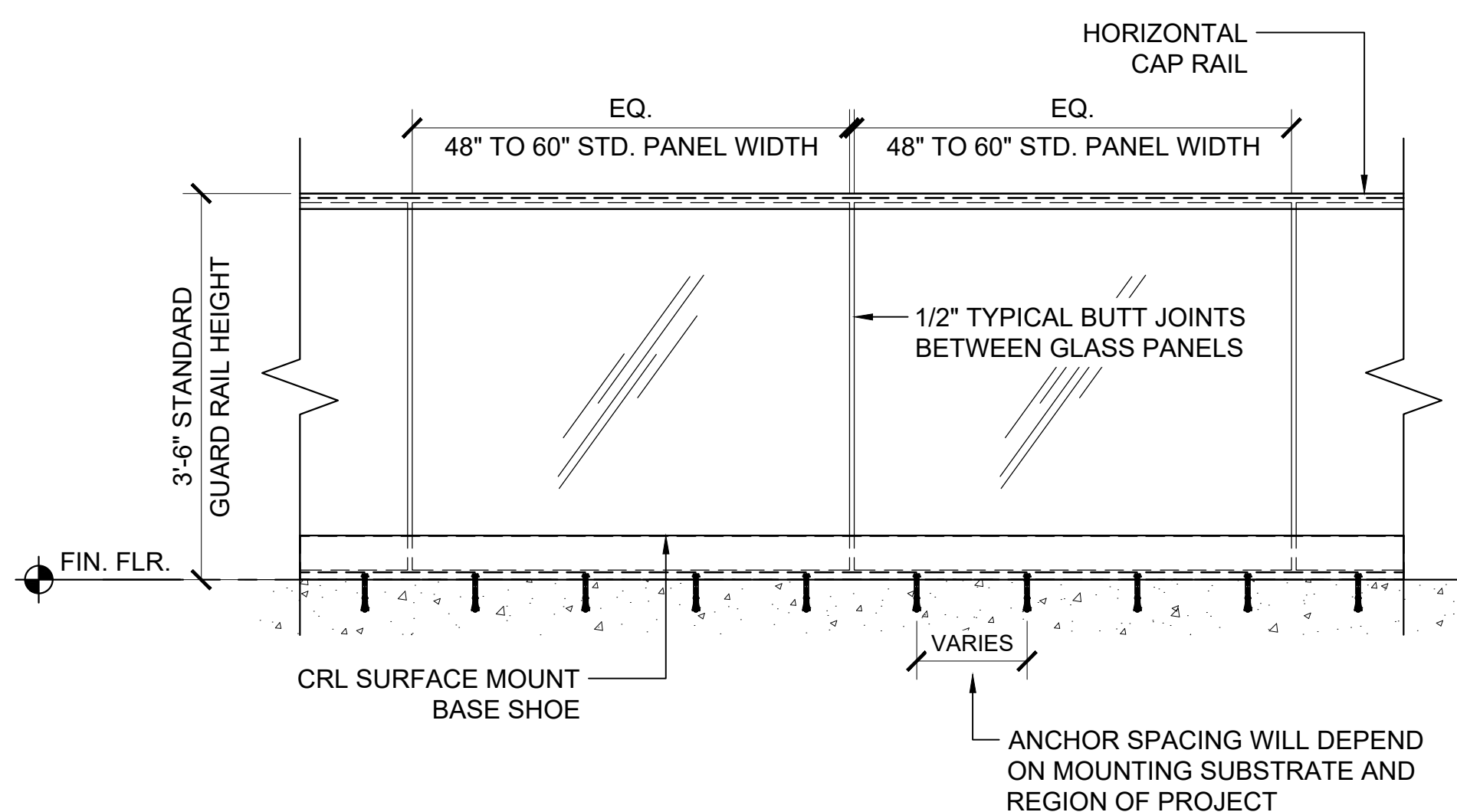
CRL
 C.R. LAURENCE CO. ARCHITECTURAL PRODUCTS
 2503 E. Varnon Avenue, Los Angeles, CA 90058-1897
 PH (800)-421-6144 FX: 800-587-7301 www.crlaurence.com

ICC ESR-3842

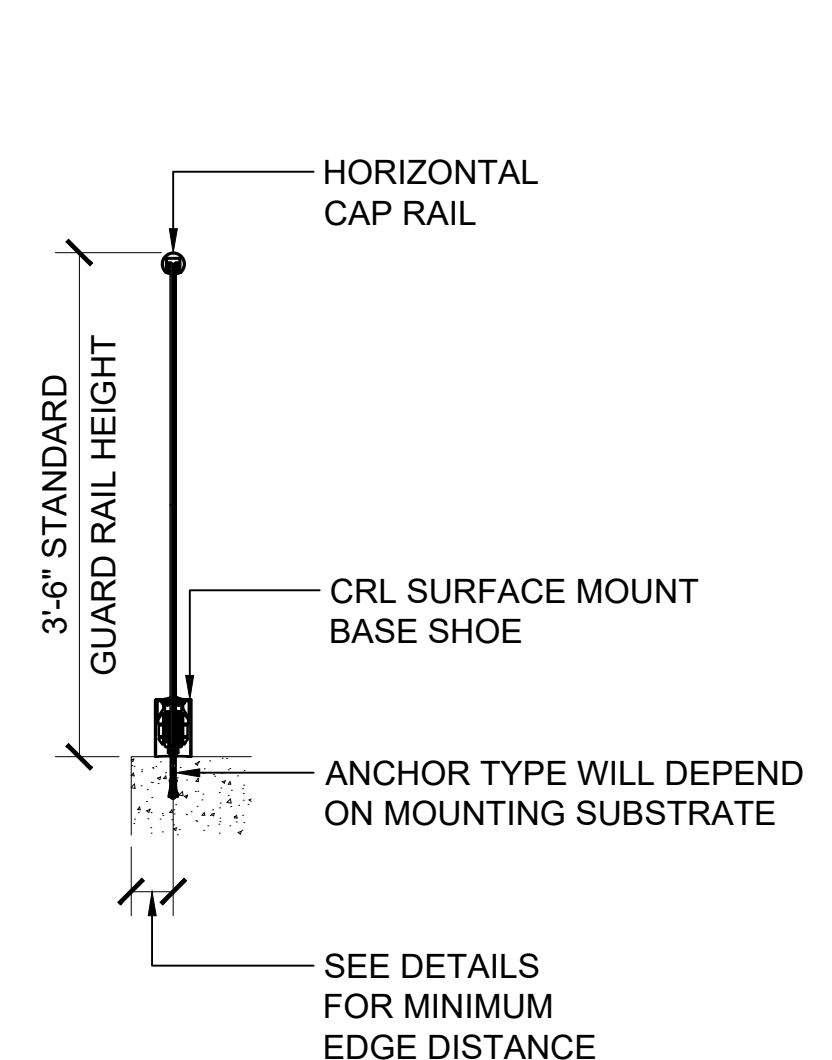
GRS
 Description: **GLASS RAILING SYSTEM FOR TEMPERED LAMINATED 9/16" (13.52mm), 1 1/16" (17.52mm), 27/32" (21.52mm) & 1 1/16" (25.52mm) THK. GLASS**

ELEVATIONS AND SECTIONS SURFACE MOUNT AND FASCIA MOUNT OPTIONS

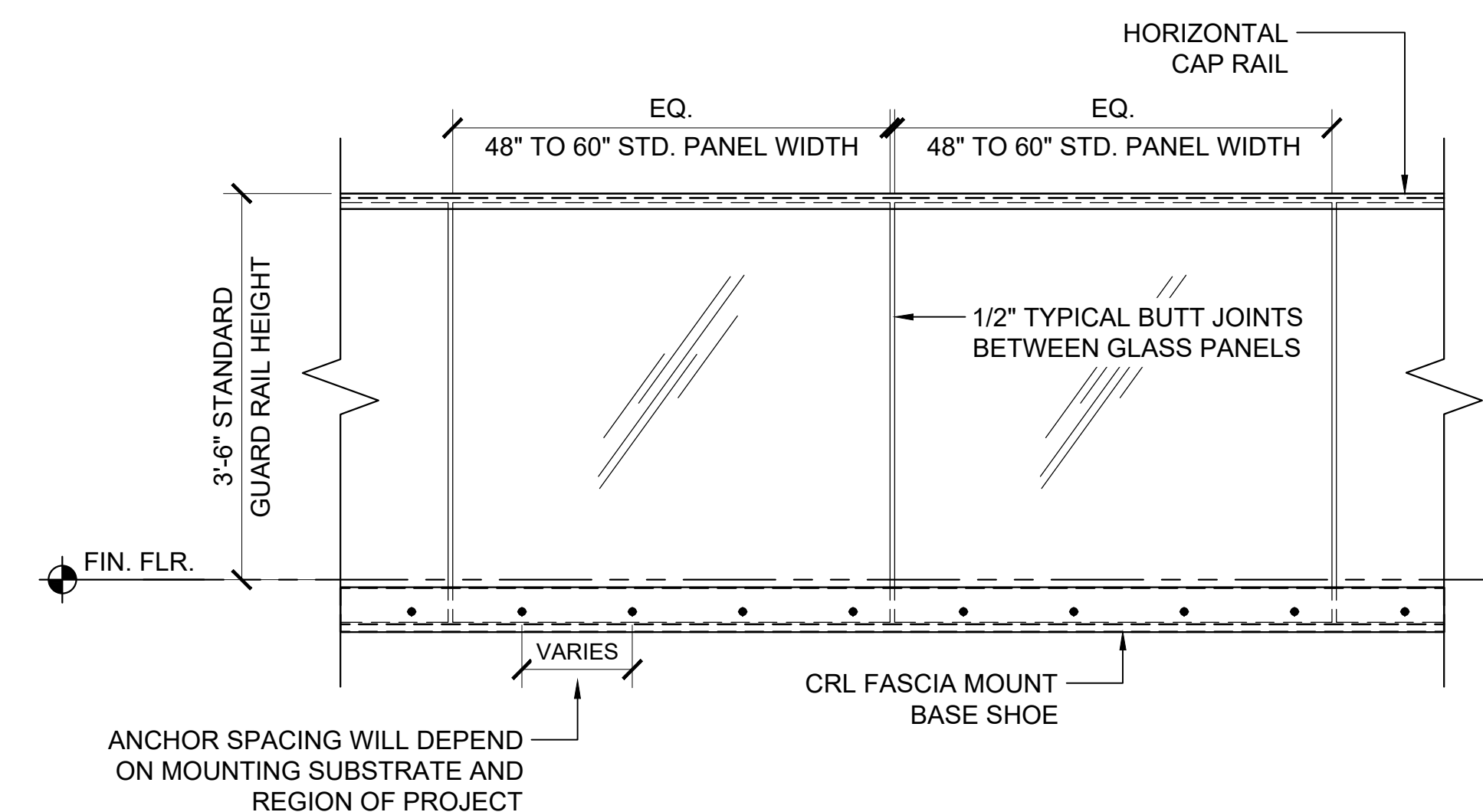
Drawn By: JG / RPD
 Date: 12/03/2021
 Scale: AS NOTED
 File Name: CRL GRS Laminated Glass Railing System.dwg



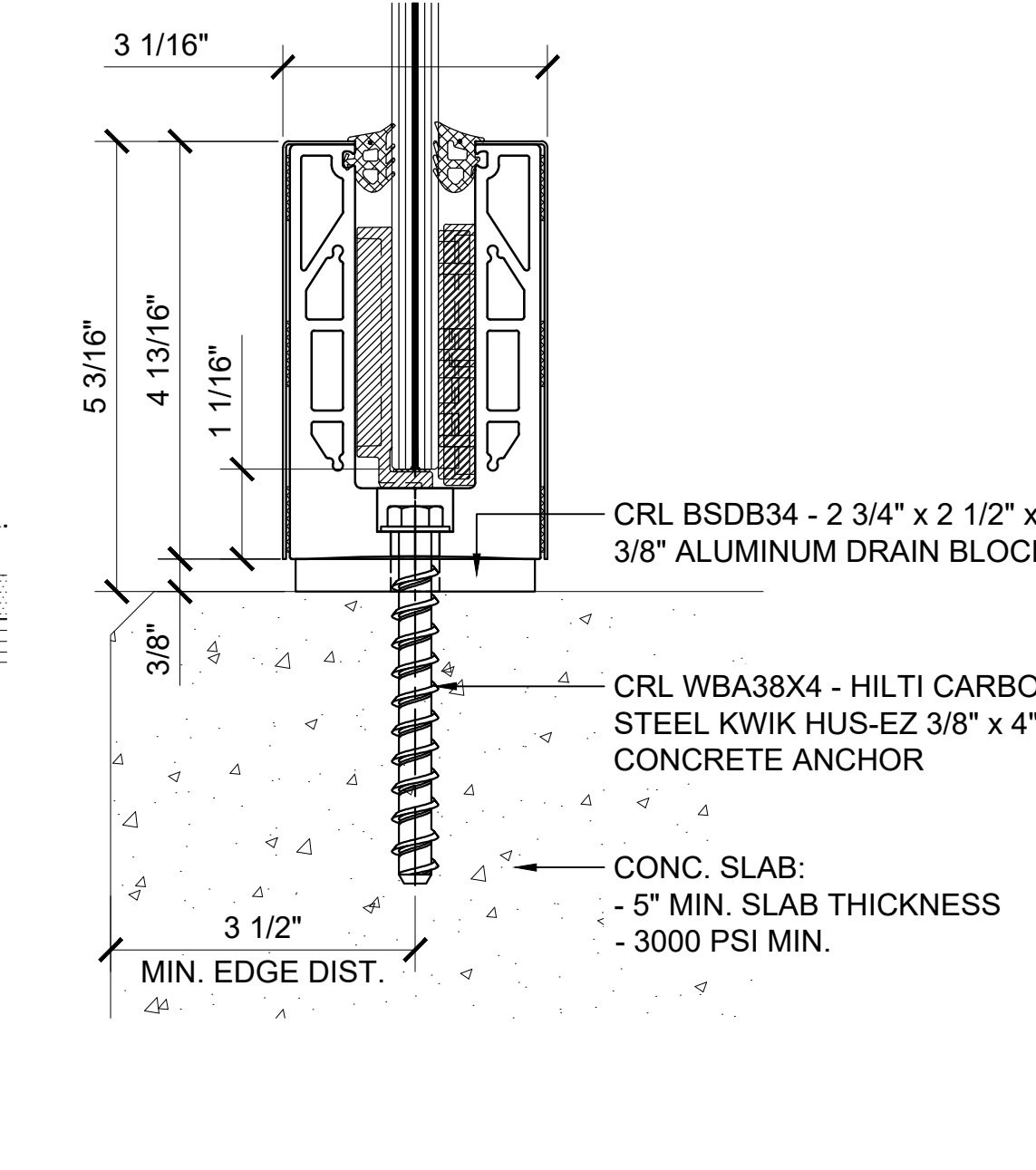
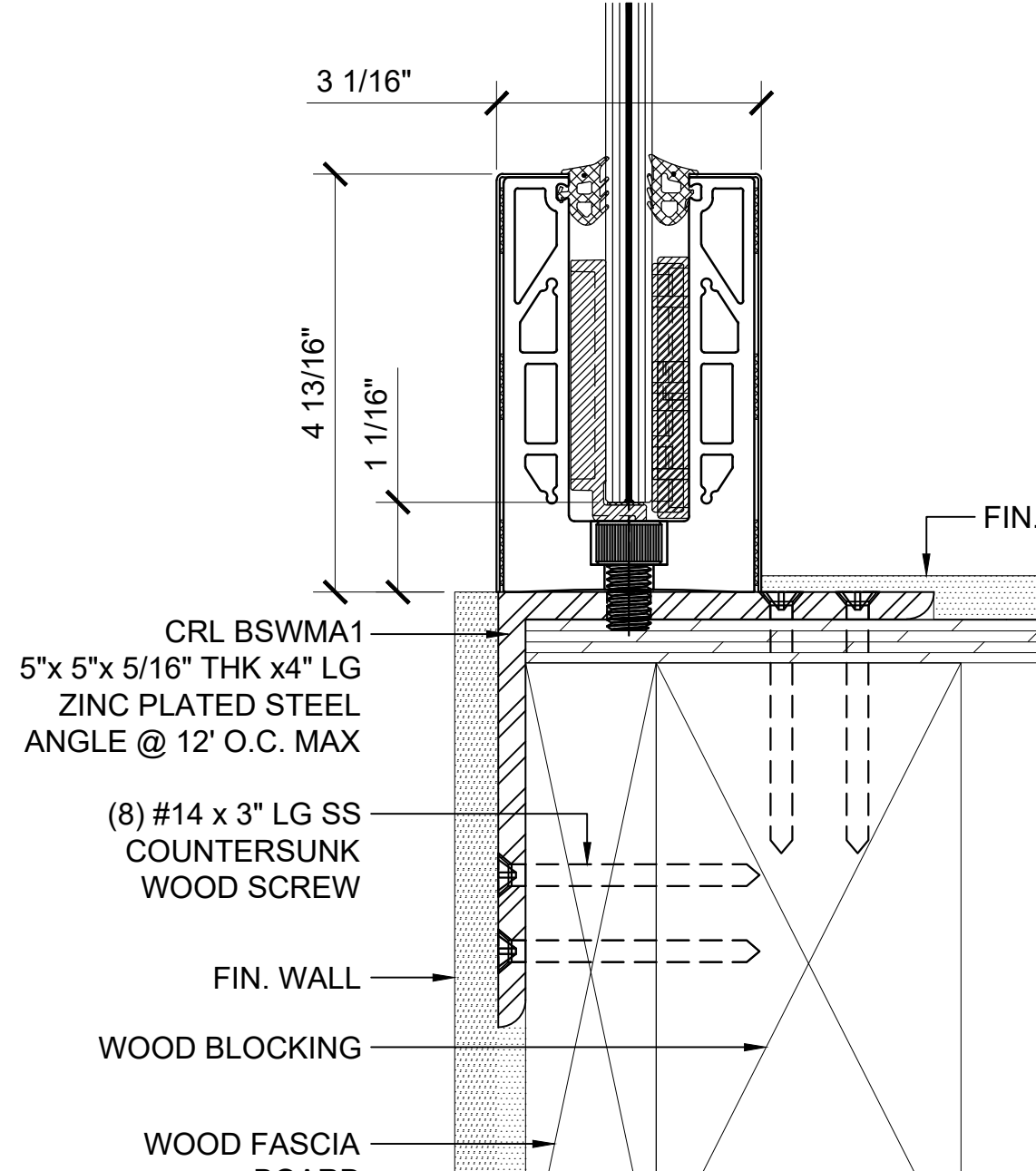
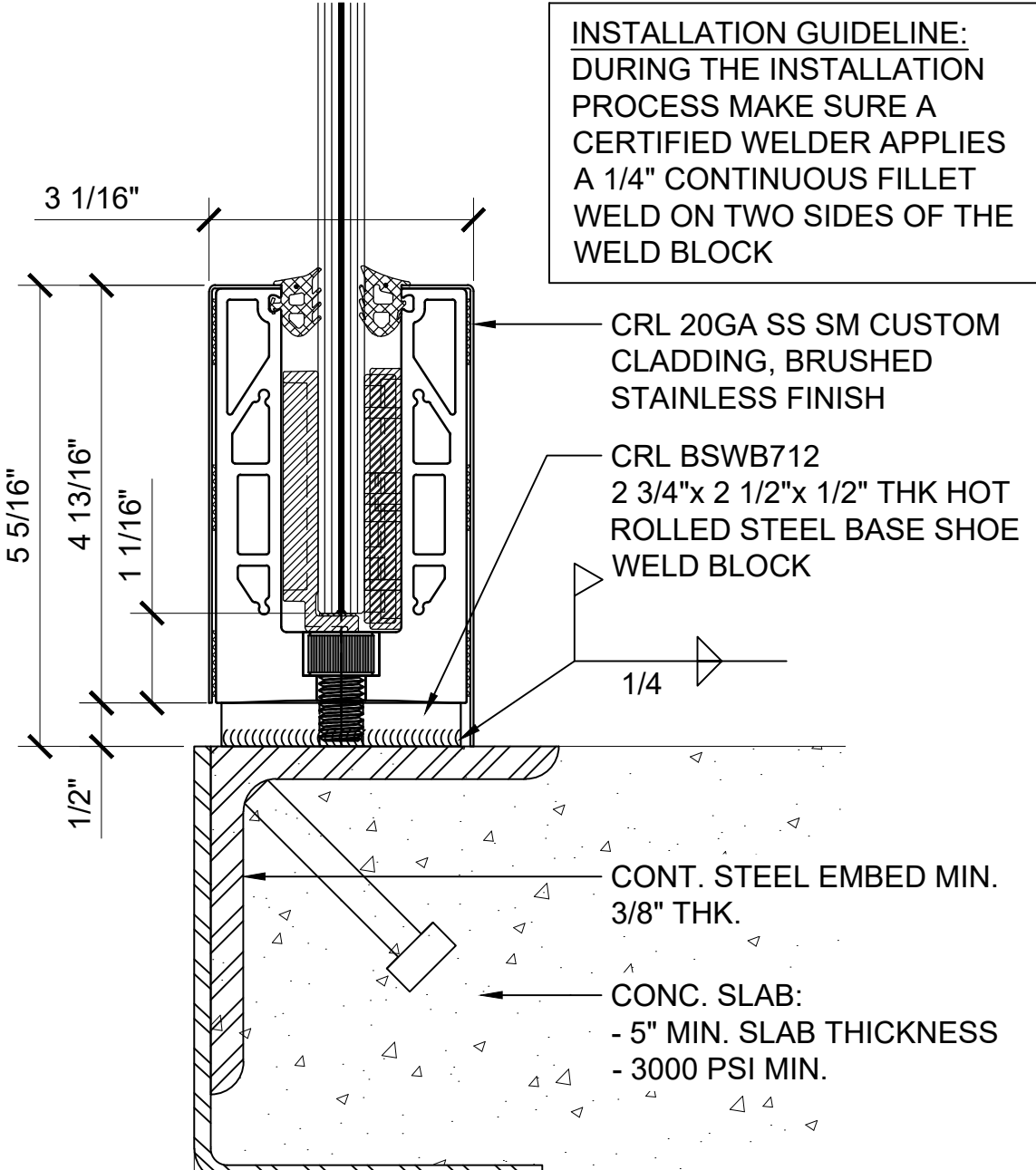
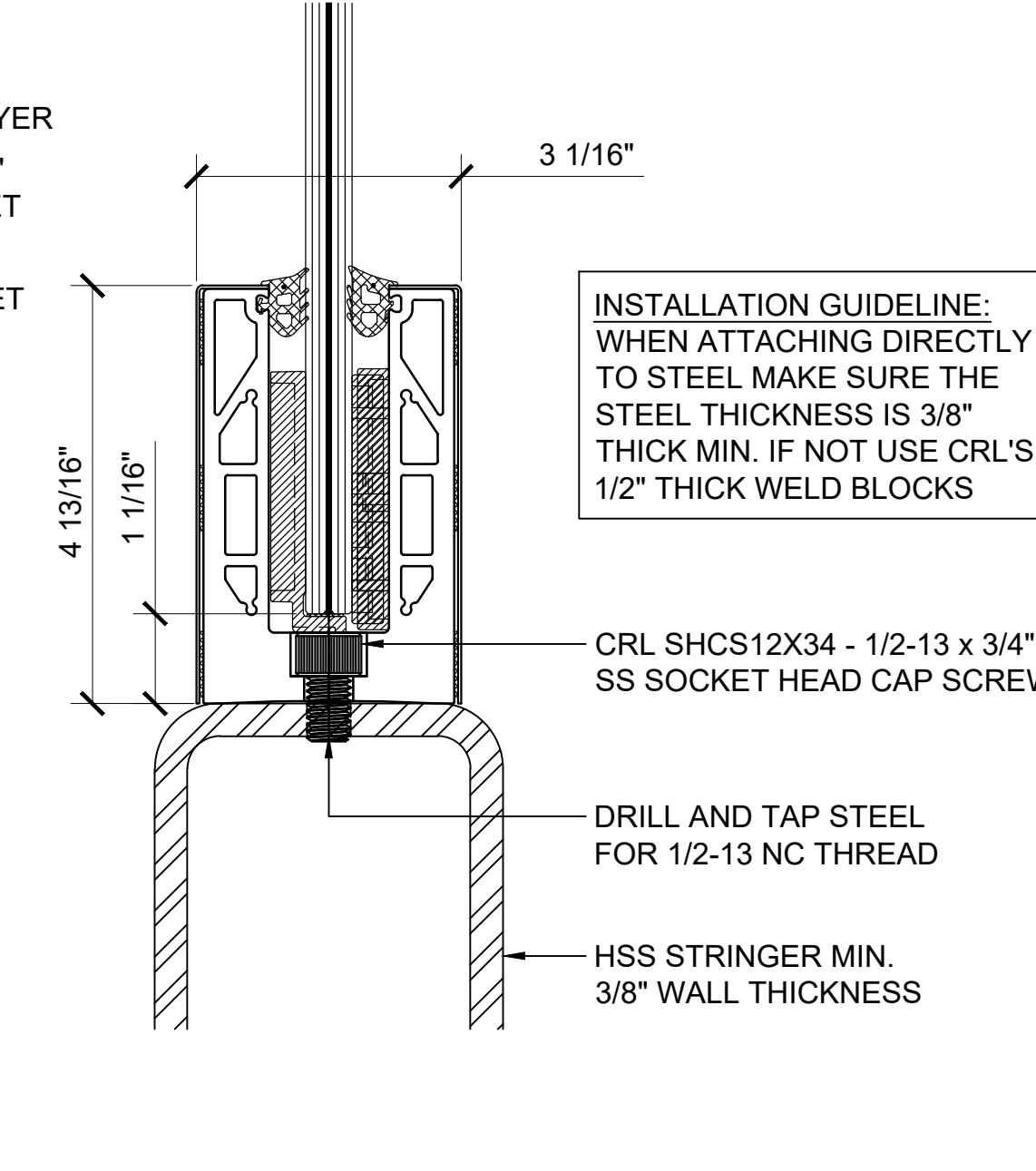
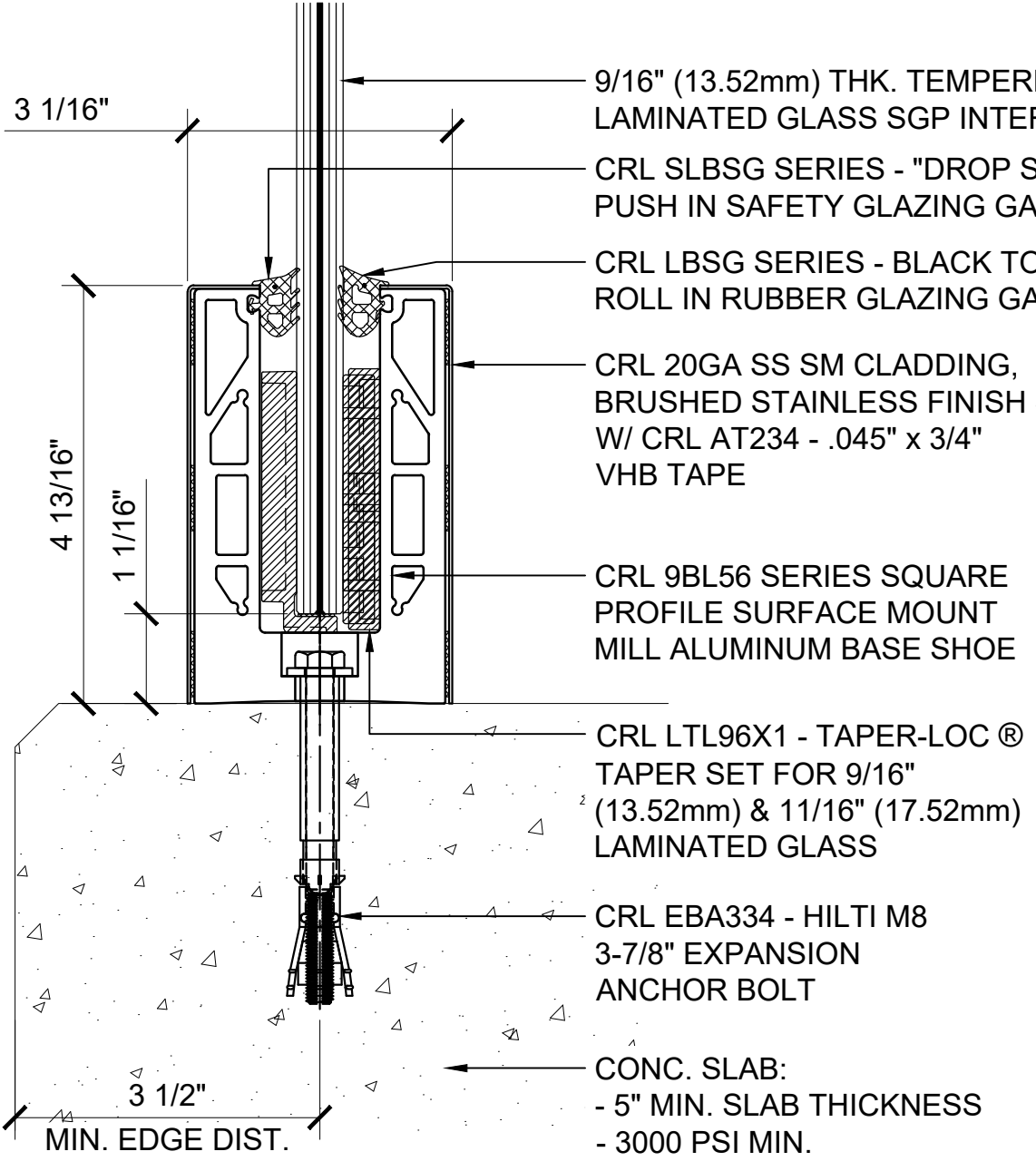
TYPICAL GRS LAMINATED GLASS RAILING ELEVATION VIEW - SURFACE MOUNT



TYPICAL GRS LAMINATED GLASS RAILING ELEVATION VIEW - FASCIA MOUNT



TYPICAL BASE SHOE ATTACHMENTS USING THE 9BL56 SERIES BASE SHOE WITH TAPER-LOC® SYSTEM



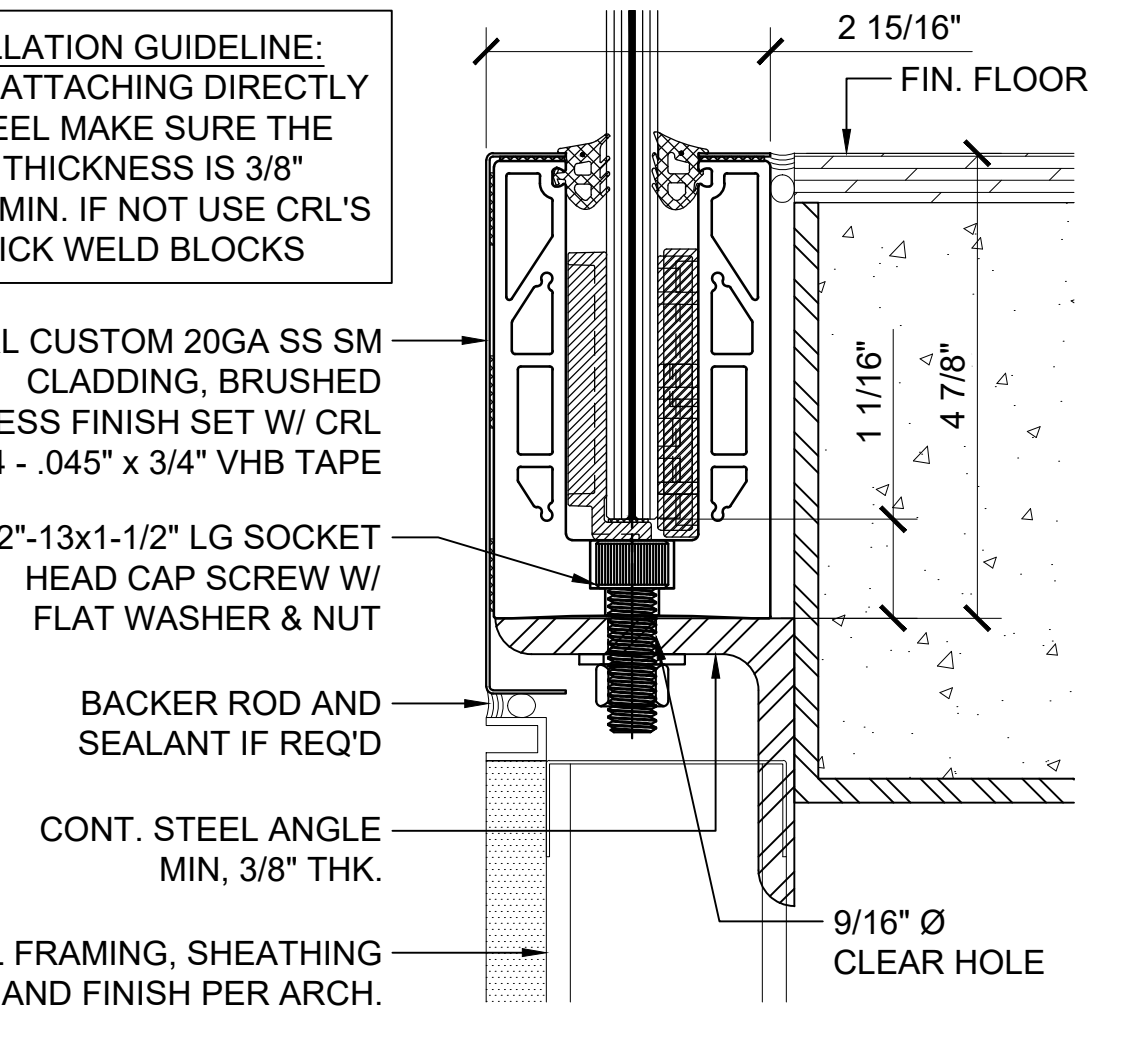
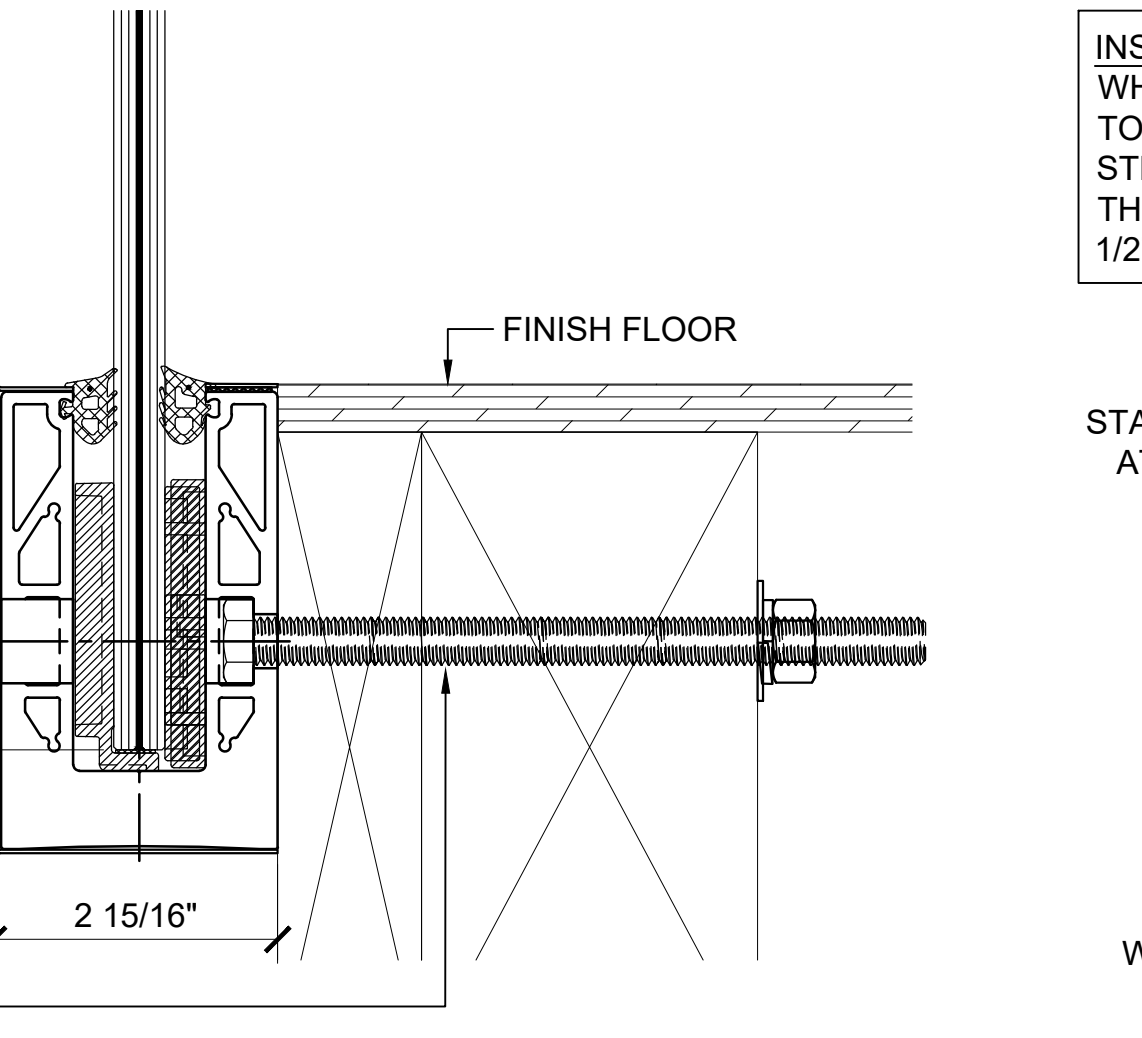
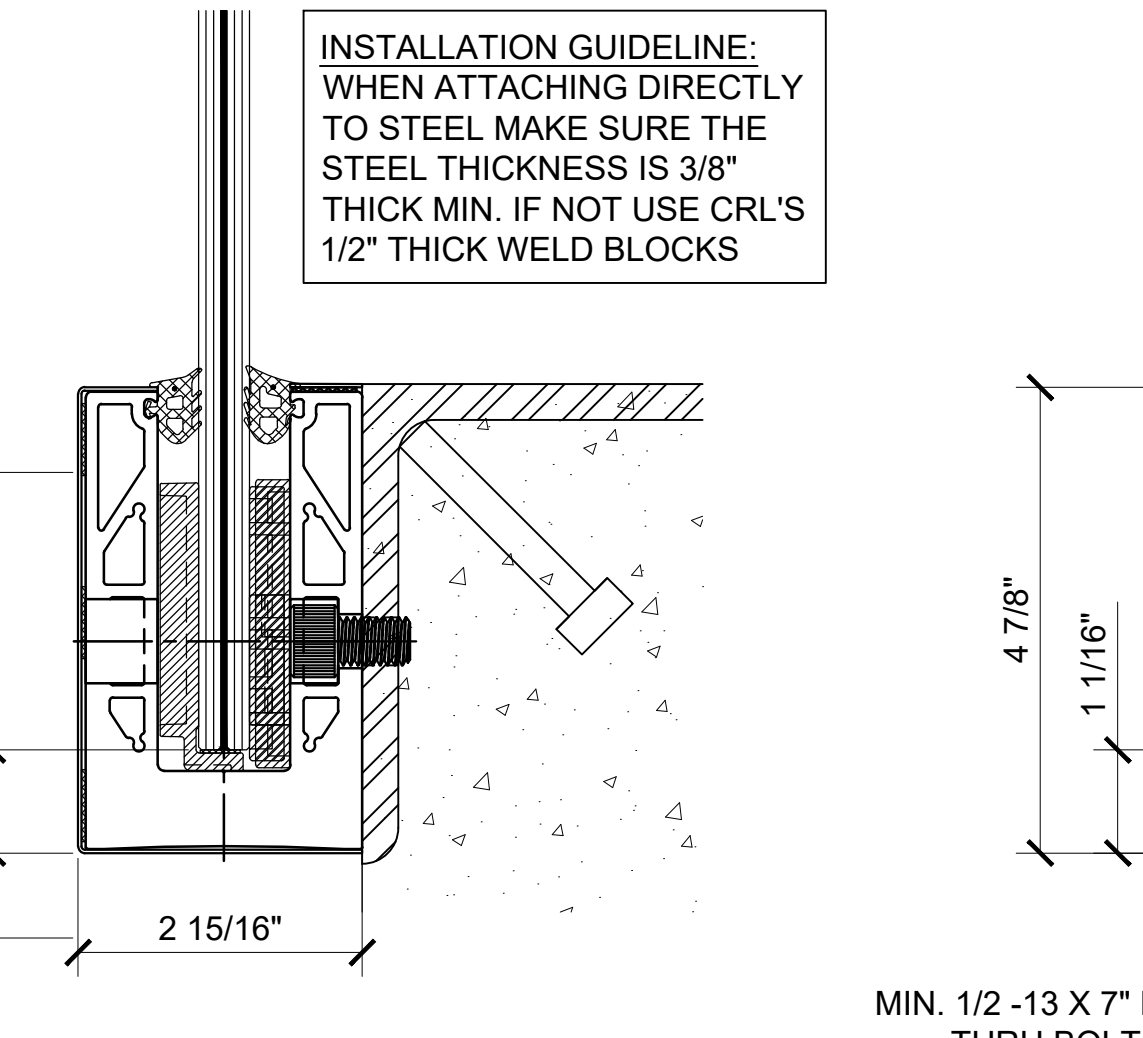
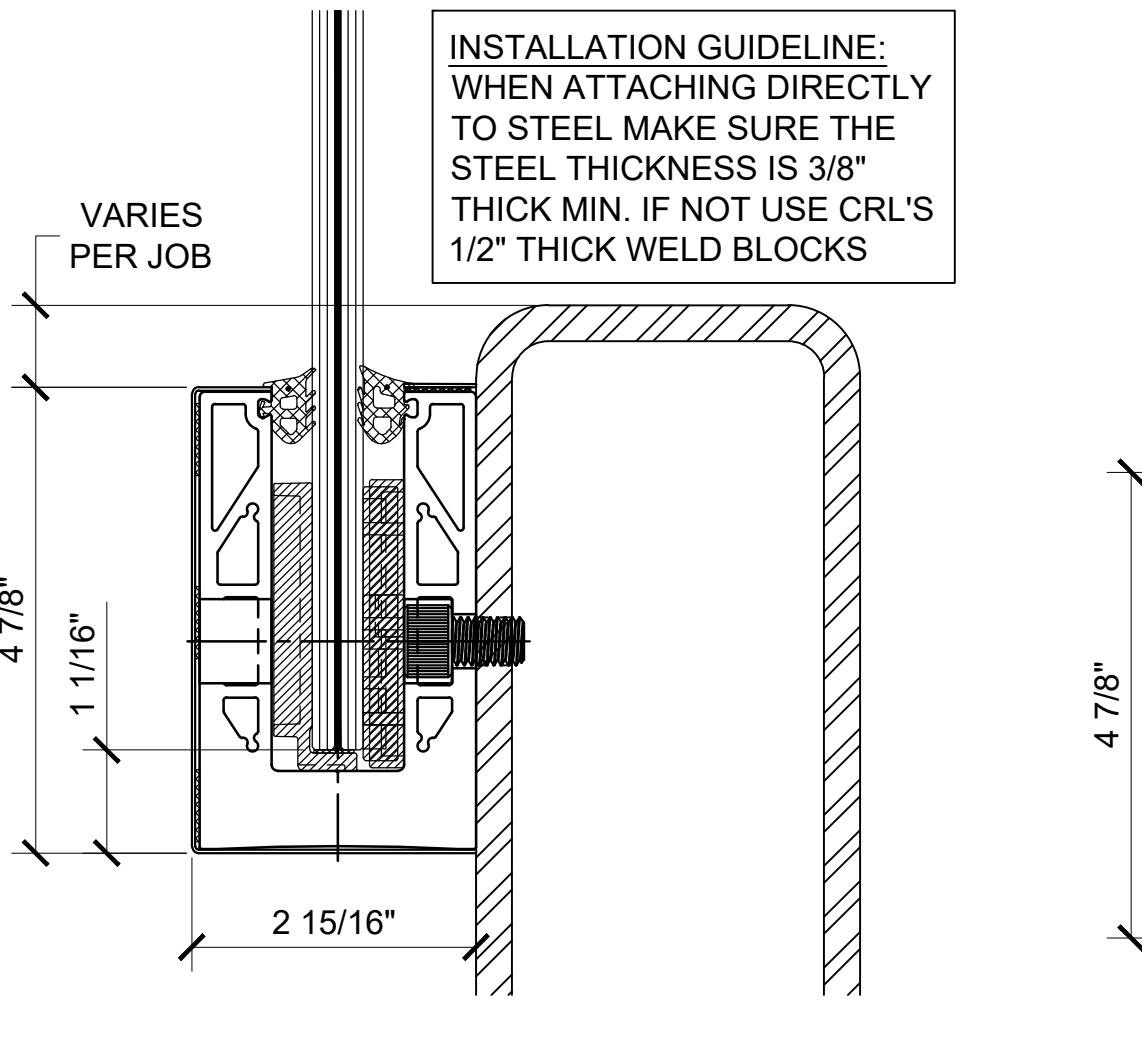
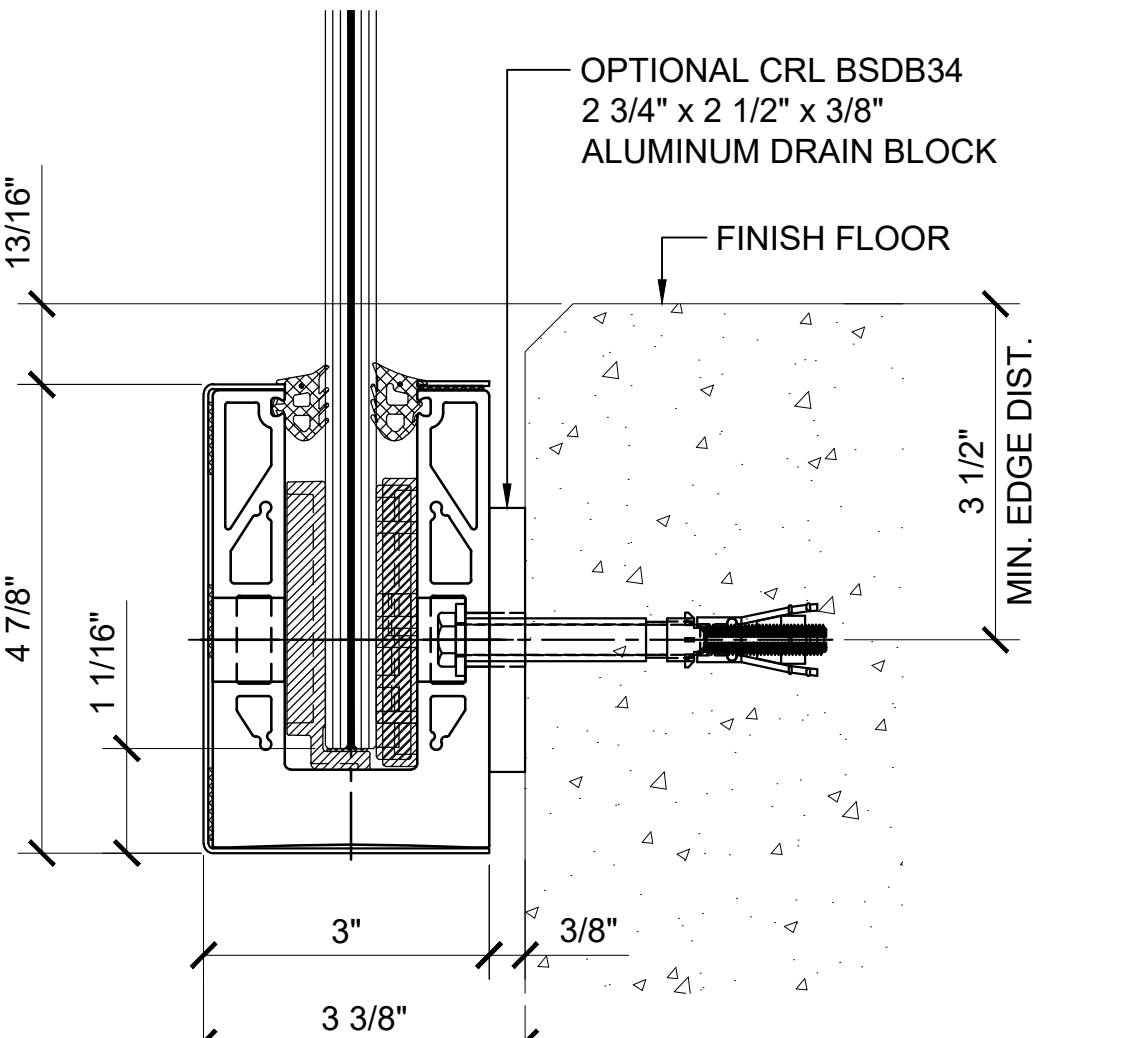
SURFACE MOUNT DETAIL CONCRETE SUBSTRATE
 ANCHOR SPACING WILL DEPEND ON MOUNTING SUBSTRATE AND REGION OF PROJECT
 12" O.C. SPACING IS STANDARD

SURFACE MOUNT DETAIL STEEL SUBSTRATE
 12" ON CENTER ANCHOR SPACING

SURFACE MOUNT DETAIL STEEL SUBSTRATE W/ WELD BLOCK
 12" ON CENTER ANCHOR SPACING

SURFACE MOUNT DETAIL WOOD SUBSTRATE
 12" ON CENTER ANCHOR SPACING

SURFACE MOUNT DETAIL CONCRETE SUBSTRATE W/ DRAIN BLOCK
 ANCHOR SPACING WILL DEPEND ON MOUNTING SUBSTRATE AND REGION OF PROJECT
 12" O.C. SPACING IS STANDARD



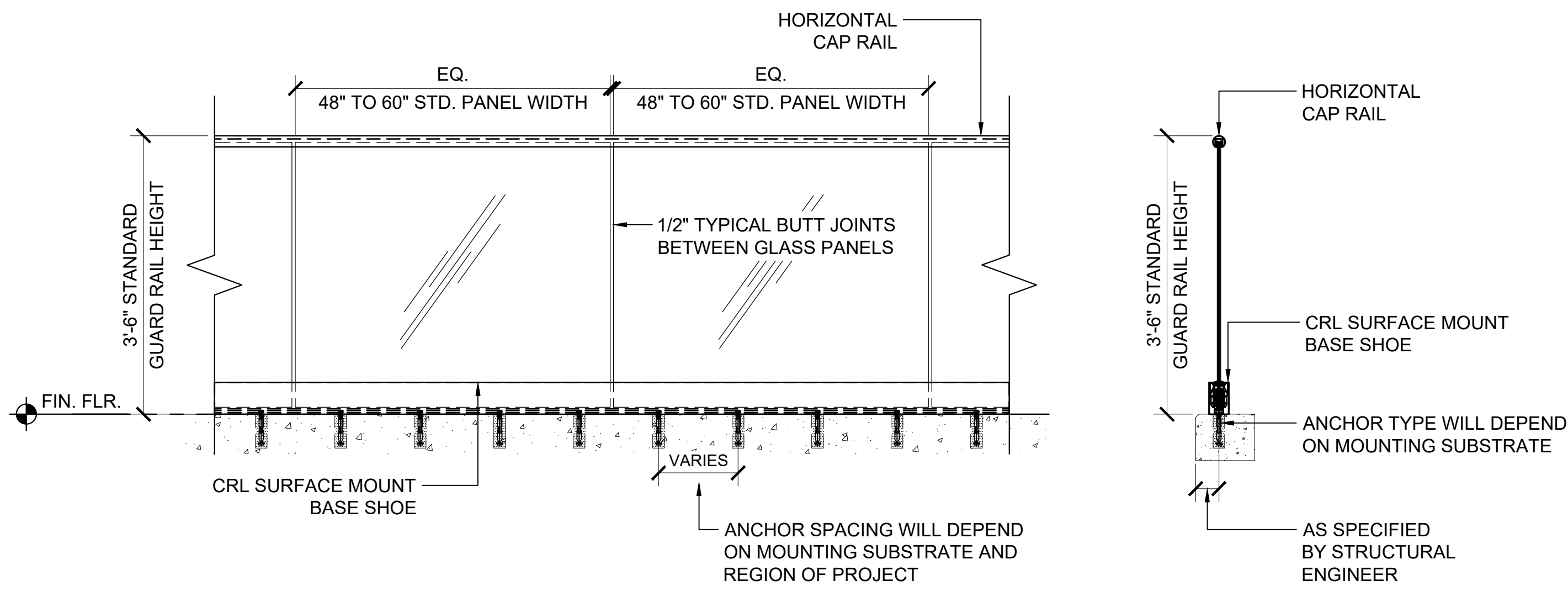
FASCIA MOUNT DETAIL CONCRETE SUBSTRATE
 ANCHOR SPACING WILL DEPEND ON MOUNTING SUBSTRATE AND REGION OF PROJECT
 12" O.C. SPACING IS STANDARD

FASCIA MOUNT DETAIL STEEL SUBSTRATE
 12" ON CENTER ANCHOR SPACING

FASCIA MOUNT DETAIL STEEL SUBSTRATE
 12" ON CENTER ANCHOR SPACING

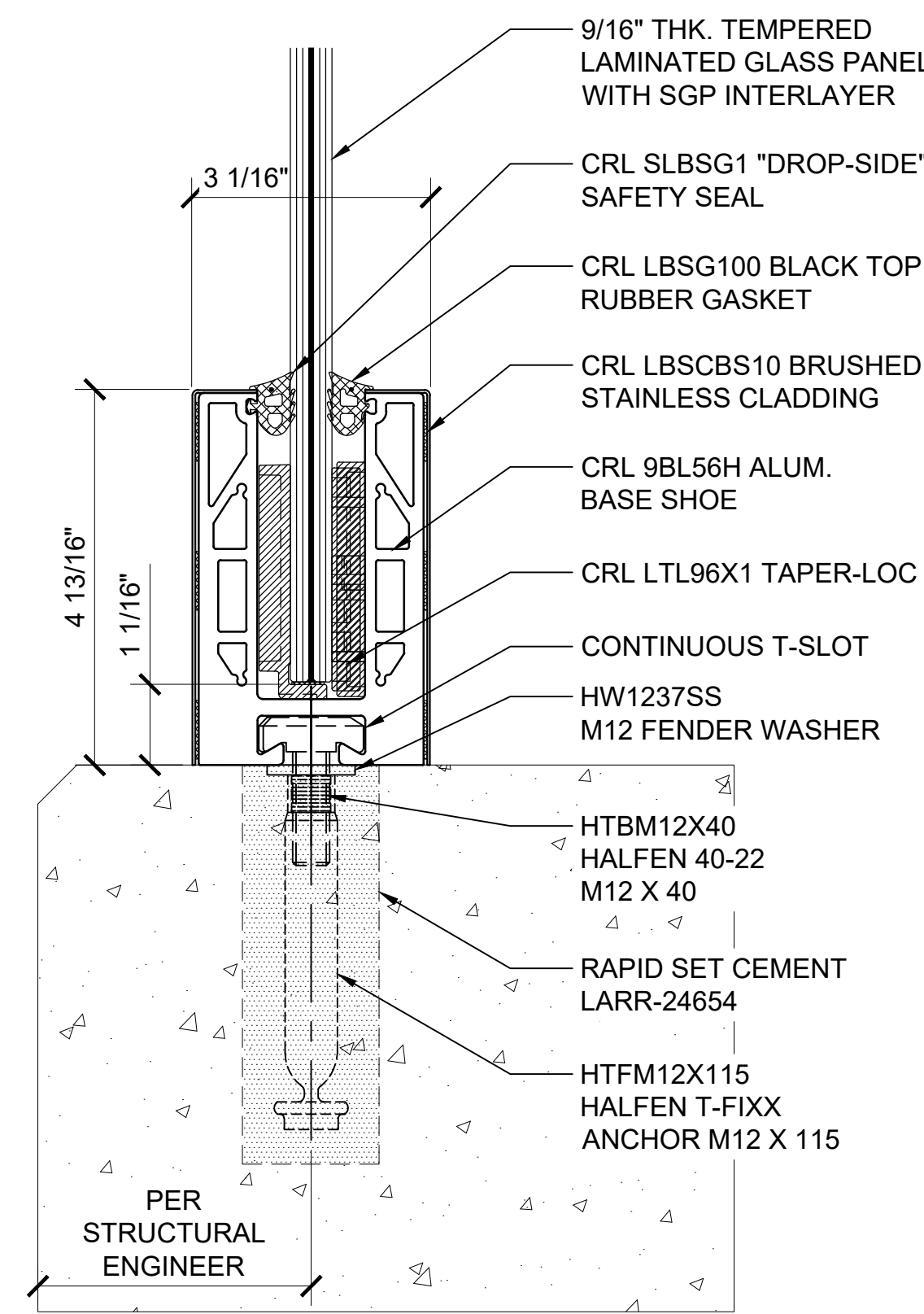
FASCIA MOUNT DETAIL WOOD SUBSTRATE
 ANCHOR SPACING WILL DEPEND ON MOUNTING SUBSTRATE AND REGION OF PROJECT
 12" O.C. SPACING IS STANDARD

SURFACE MOUNT DETAIL STEEL SUBSTRATE W/ CUSTOM CLADDING
 12" ON CENTER ANCHOR SPACING



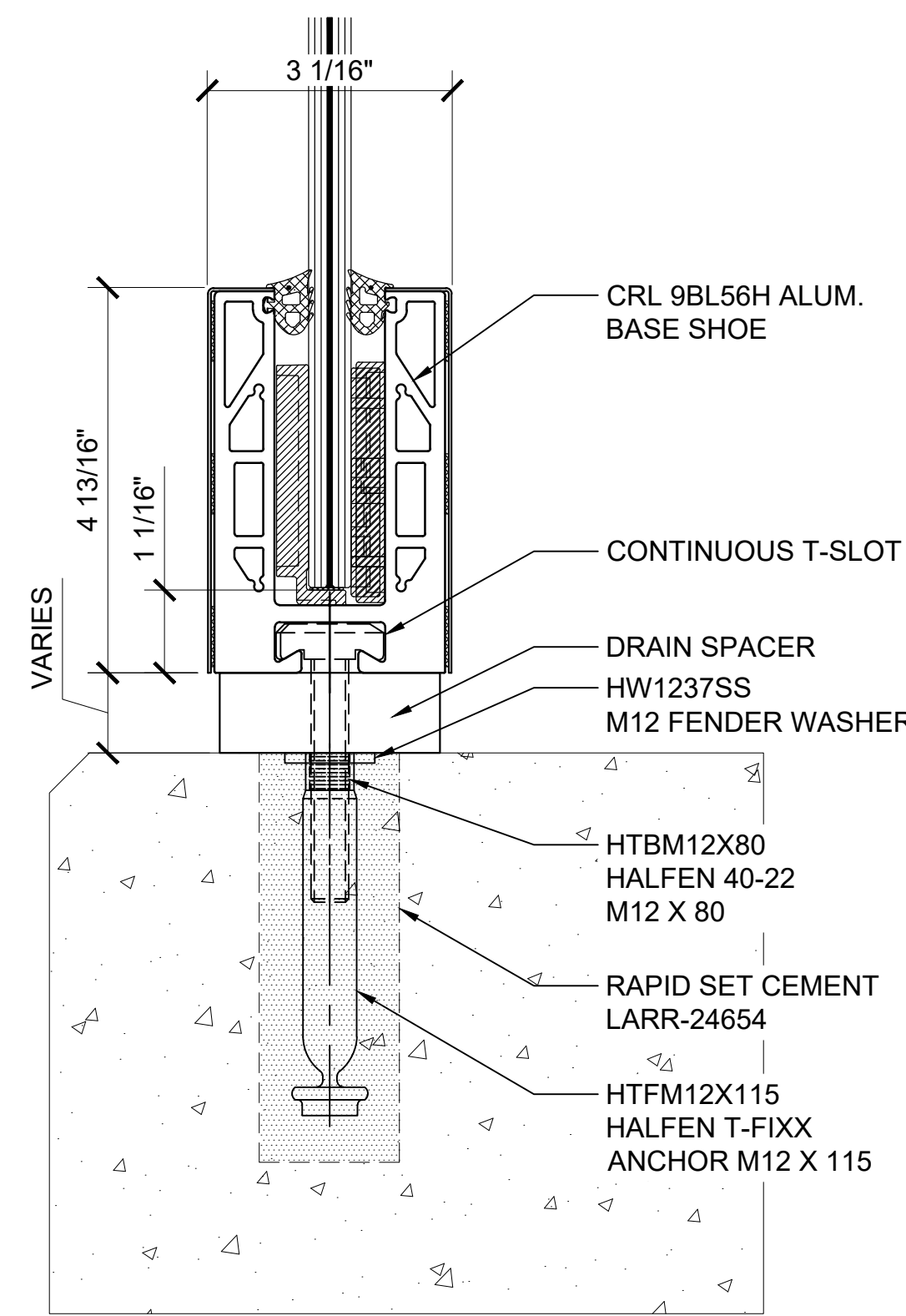
TYPICAL GRS LAMINATED GLASS RAILING ELEVATION VIEW - SURFACE MOUNT USING 9BL56H T-SLOT UNITIZED BASE SHOE

TYPICAL BASE SHOE ATTACHMENTS USING THE 9BL56H T-SLOT UNITIZED BASE SHOE SERIES WITH TAPER-LOC® SYSTEM



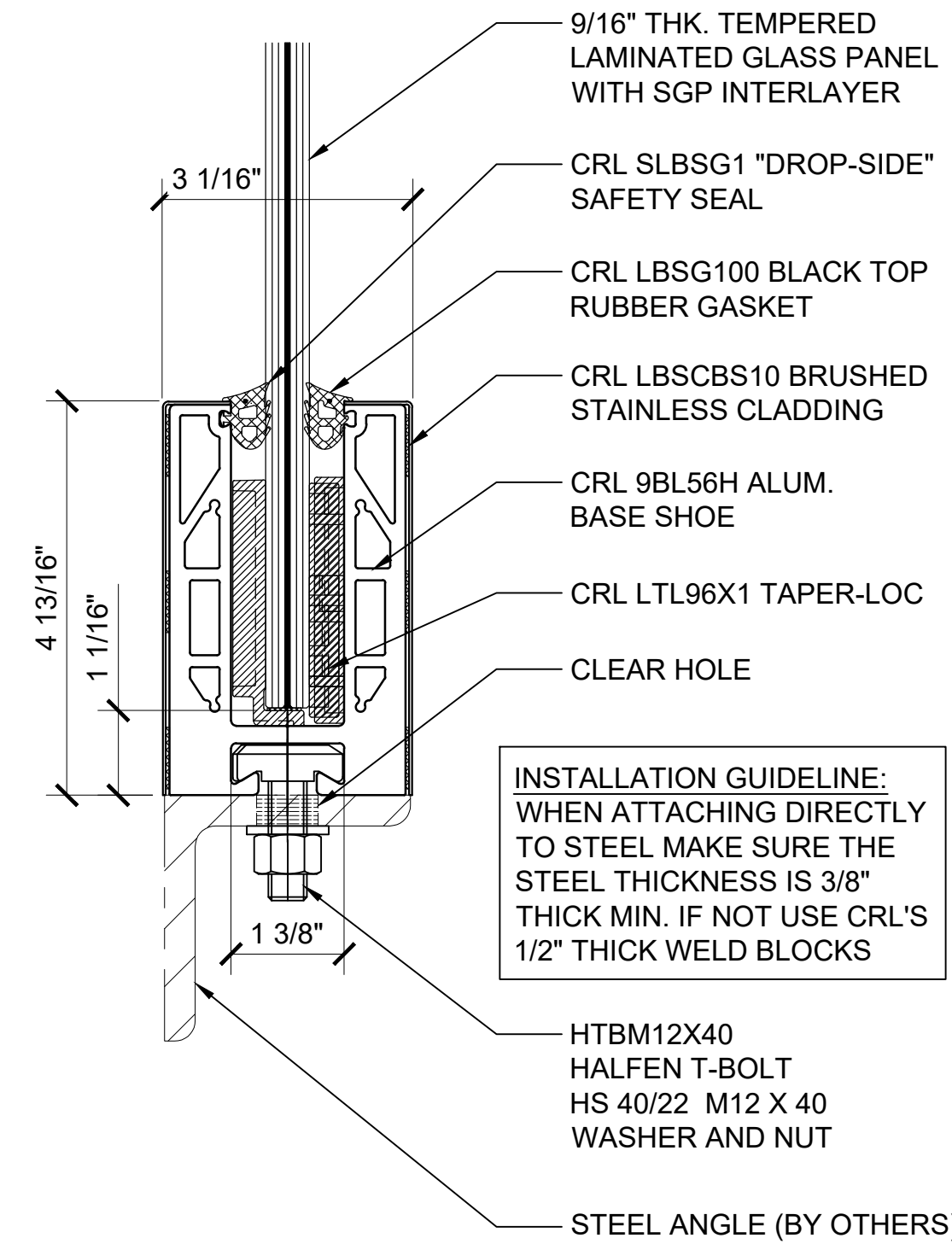
9BL56HM T-SLOT UNITIZED BASE SHOE SURFACE MOUNT DETAIL -UNDRILLED @ CONCRETE

ANCHOR SPACING WILL DEPEND ON MOUNTING SUBSTRATE AND REGION OF PROJECT
12" O.C. SPACING IS STANDARD



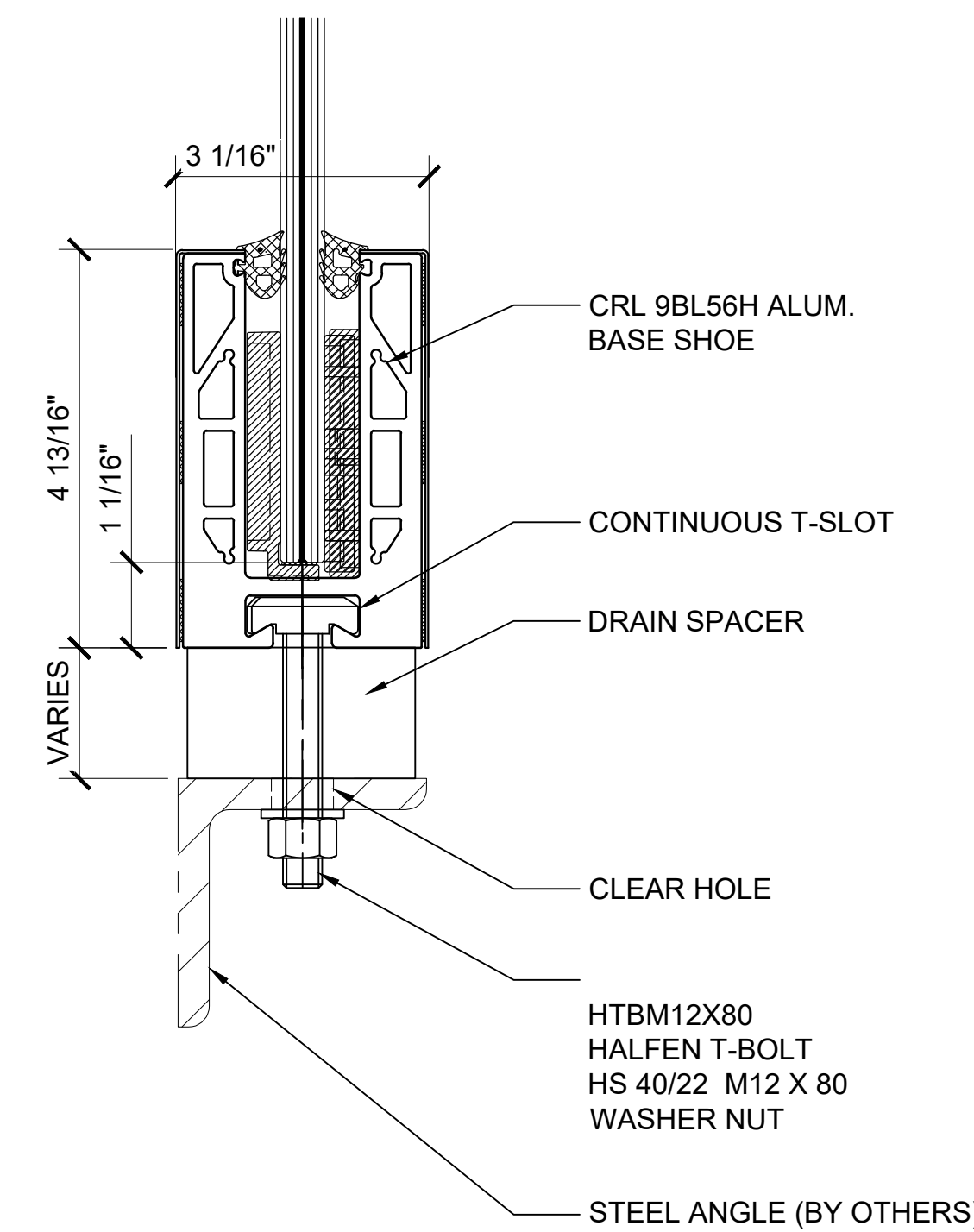
9BL56HM T-SLOT UNITIZED BASE SHOE SURFACE MOUNT DETAIL w/ DRAIN SPACER -UNDRILLED @ CONCRETE

ANCHOR SPACING WILL DEPEND ON MOUNTING SUBSTRATE AND REGION OF PROJECT
12" O.C. SPACING IS STANDARD



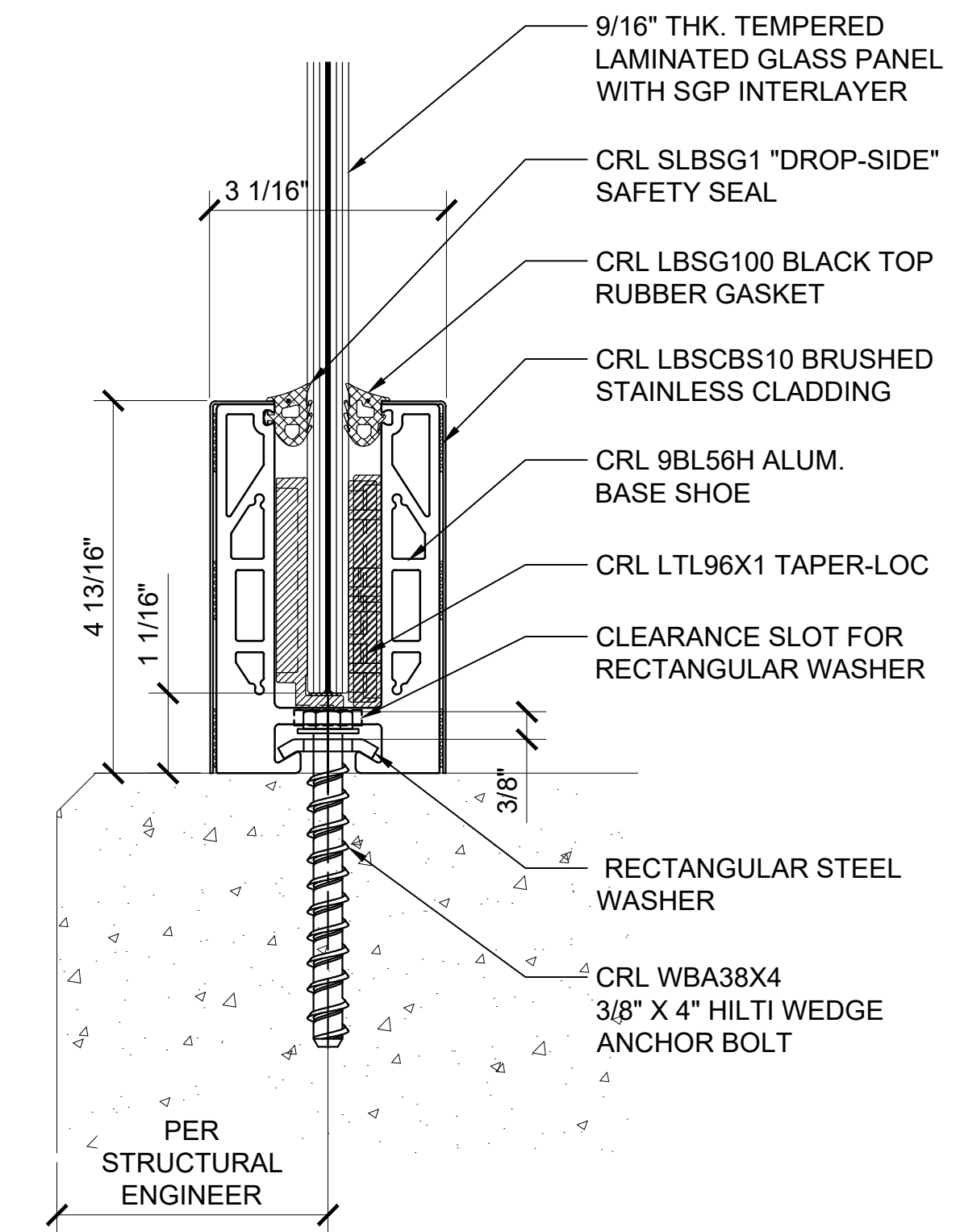
9BL56HM T-SLOT UNITIZED BASE SHOE SURFACE MOUNT DETAIL -UNDRILLED @ STRUCTURAL STEEL

12" ON CENTER ANCHOR SPACING



9BL56HM T-SLOT UNITIZED BASE SHOE SURFACE MOUNT DETAIL w/ DRAIN SPACER -UNDRILLED @ STRUCTURAL STEEL

12" ON CENTER ANCHOR SPACING



9BL56HD T-SLOT UNITIZED BASE SHOE SURFACE MOUNT DETAIL -DRILLED WITH TOP FASTENING ACCESS HOLE @ CONCRETE

12" ON CENTER ANCHOR SPACING

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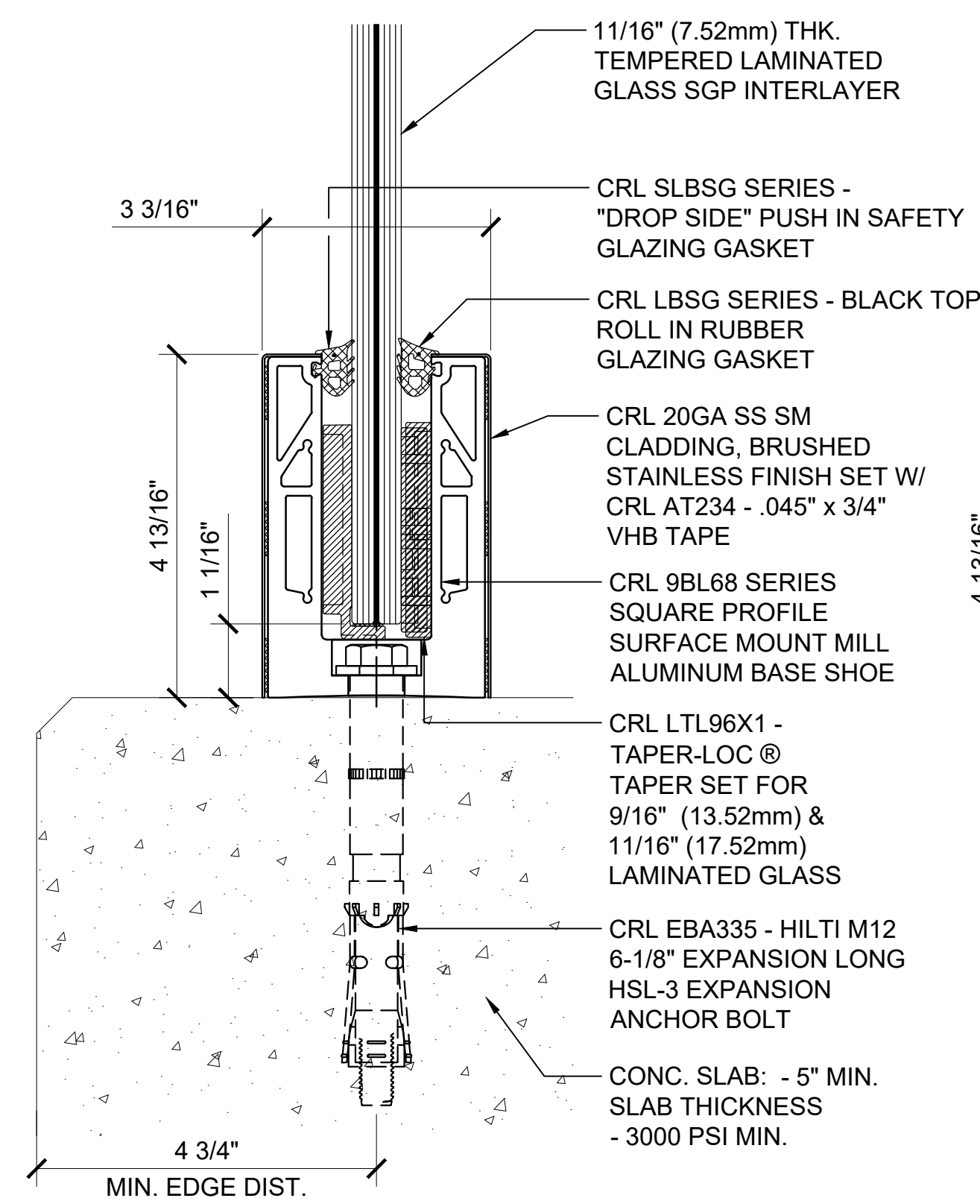
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BASE SHOE OPTIONS SURFACE MOUNT w/ 9BL56H T-SLOT UNITIZED BASE SHOE

Drawn By: JG / RPD
Date: 12/03/2021
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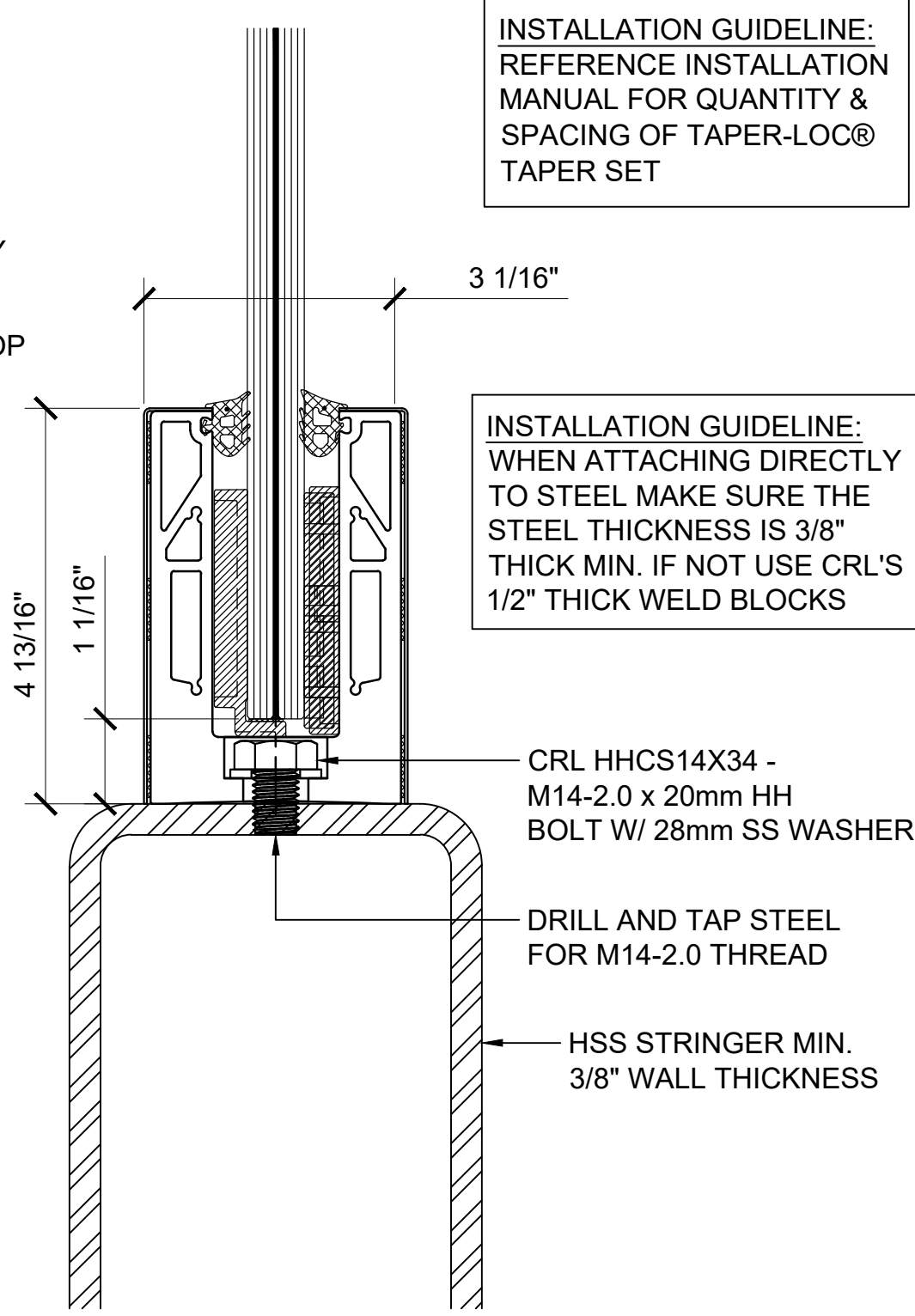
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TYPICAL BASE SHOE ATTACHMENTS USING THE 9BL68 SERIES BASE SHOE WITH TAPER-LOC® SYSTEM



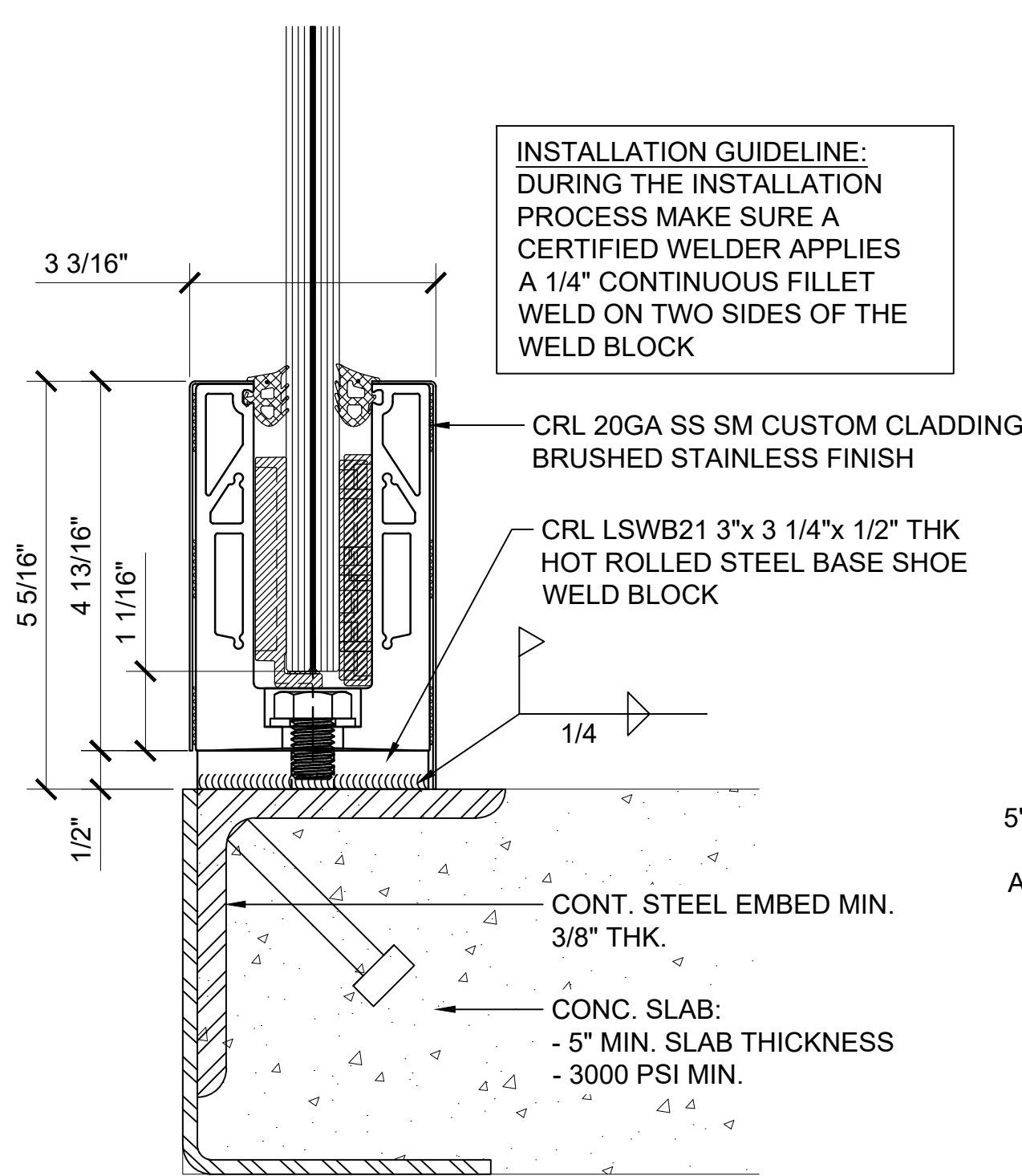
**SURFACE MOUNT DETAIL
CONCRETE SUBSTRATE**

ANCHOR SPACING WILL DEPEND ON MOUNTING
SUBSTRATE AND REGION OF PROJECT
11 13/16" (300MM) O.C. SPACING IS STANDARD



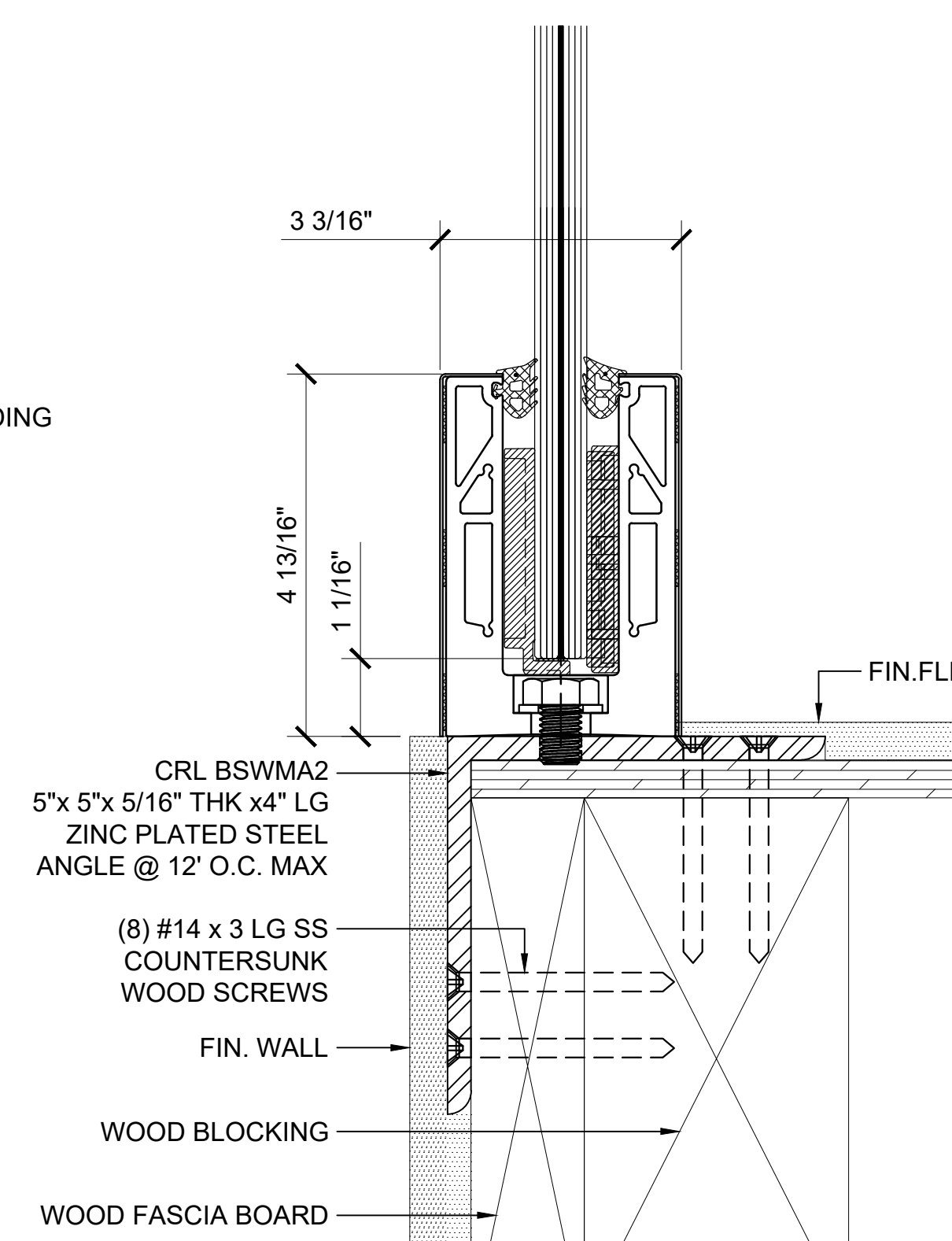
**SURFACE MOUNT DETAIL
STEEL SUBSTRATE**

11 13/16" (300MM) ON CENTER ANCHOR SPACING



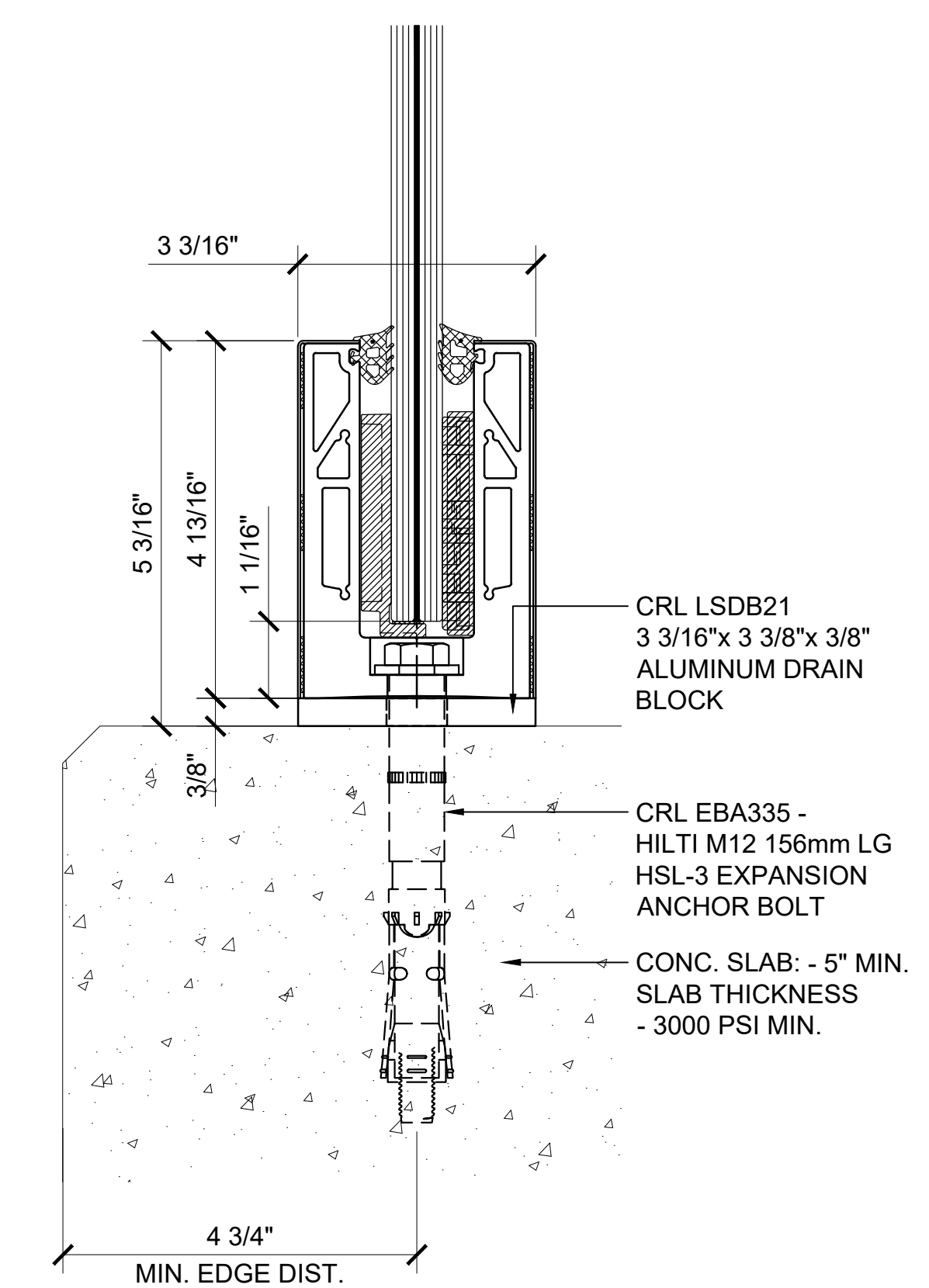
**SURFACE MOUNT DETAIL
STEEL SUBSTRATE W/ WELD BLOCK**

11 13/16" (300MM) ON CENTER ANCHOR SPACING



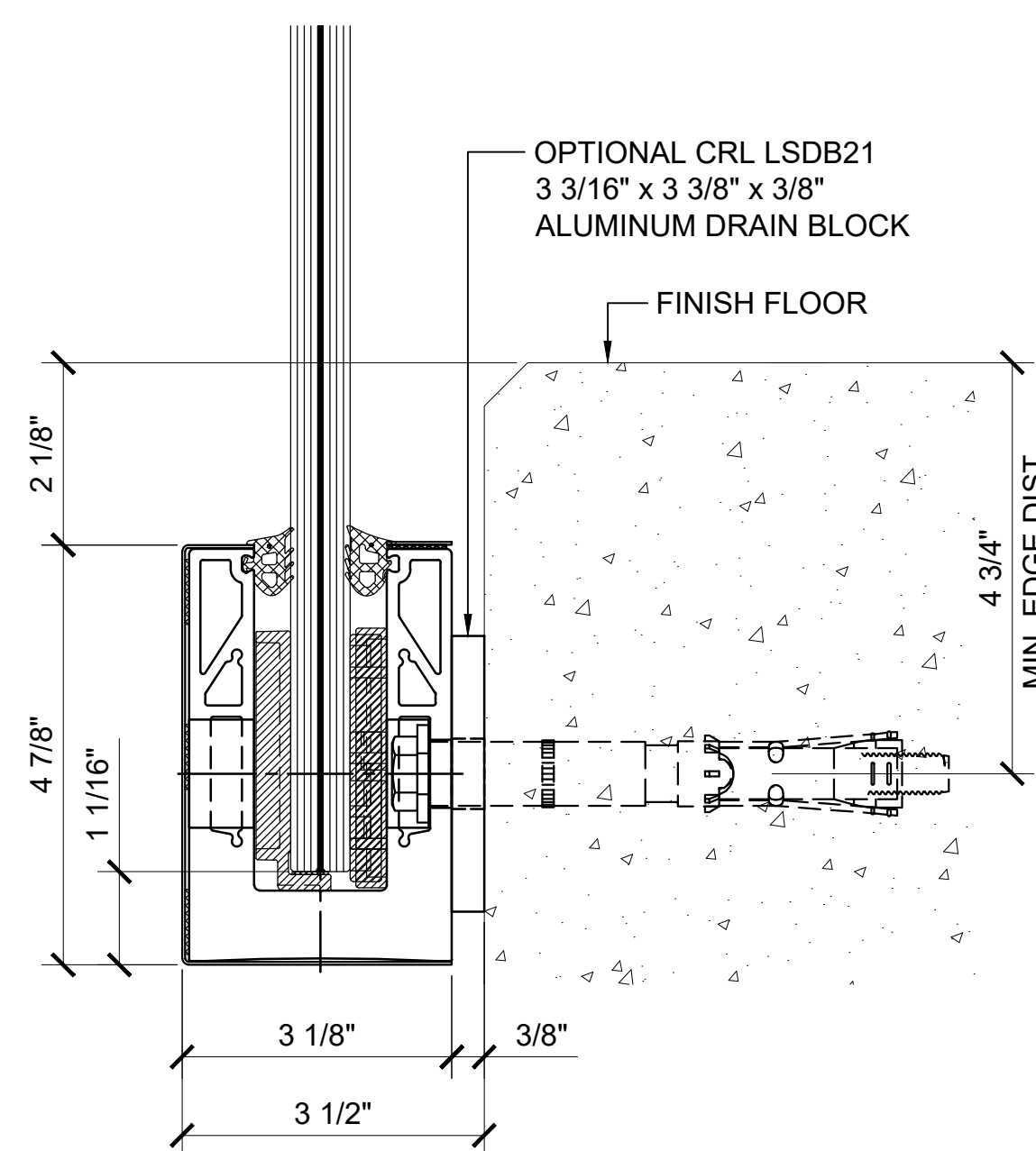
**SURFACE MOUNT DETAIL
WOOD SUBSTRATE**

11 13/16" (300MM) ON CENTER ANCHOR SPACING



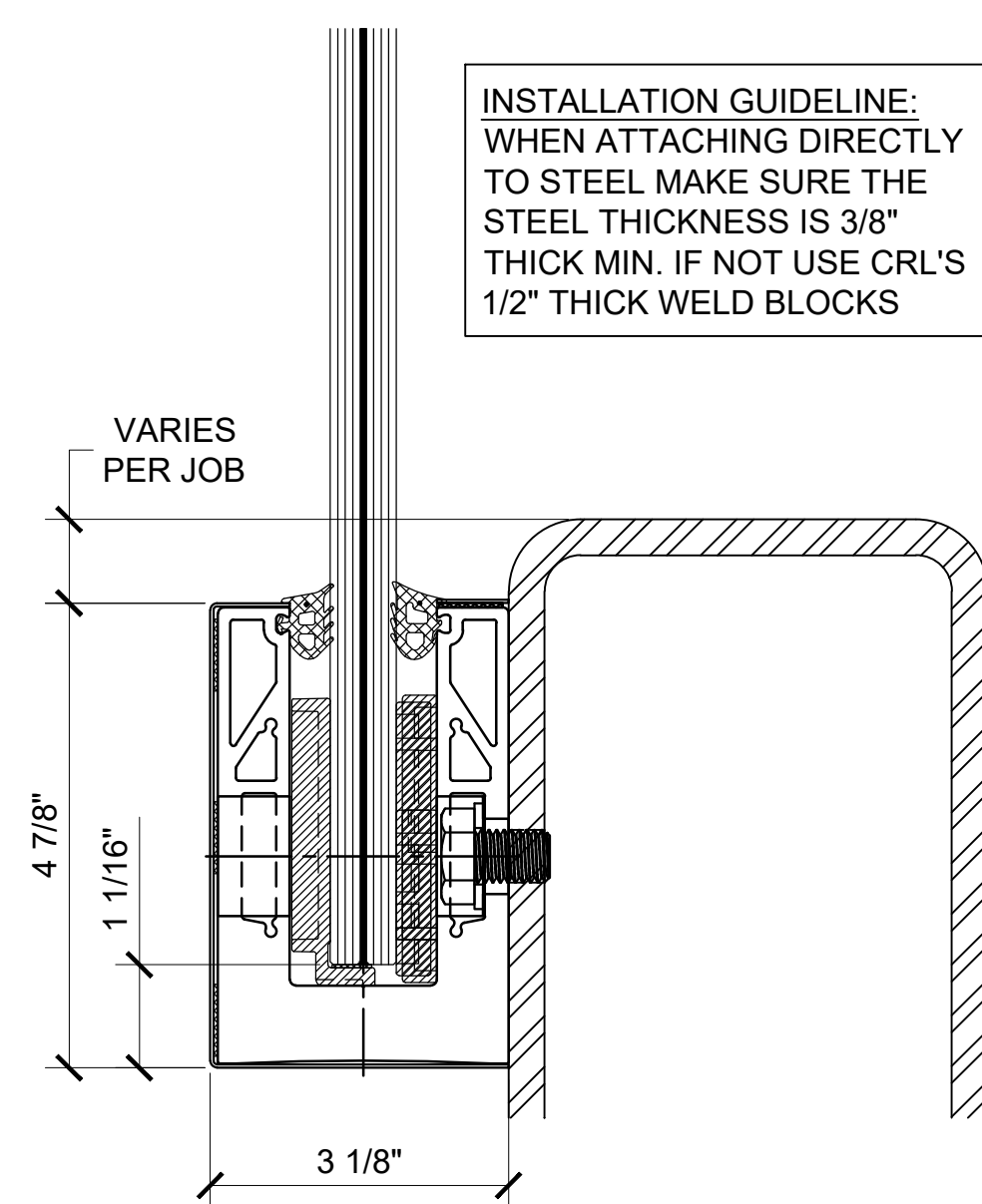
**SURFACE MOUNT DETAIL
CONCRETE SUBSTRATE W/ DRAIN BLOCK**

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SUBSTRATE AND REGION OF PROJECT
11 13/16" (300MM) O.C. SPACING IS STANDARD



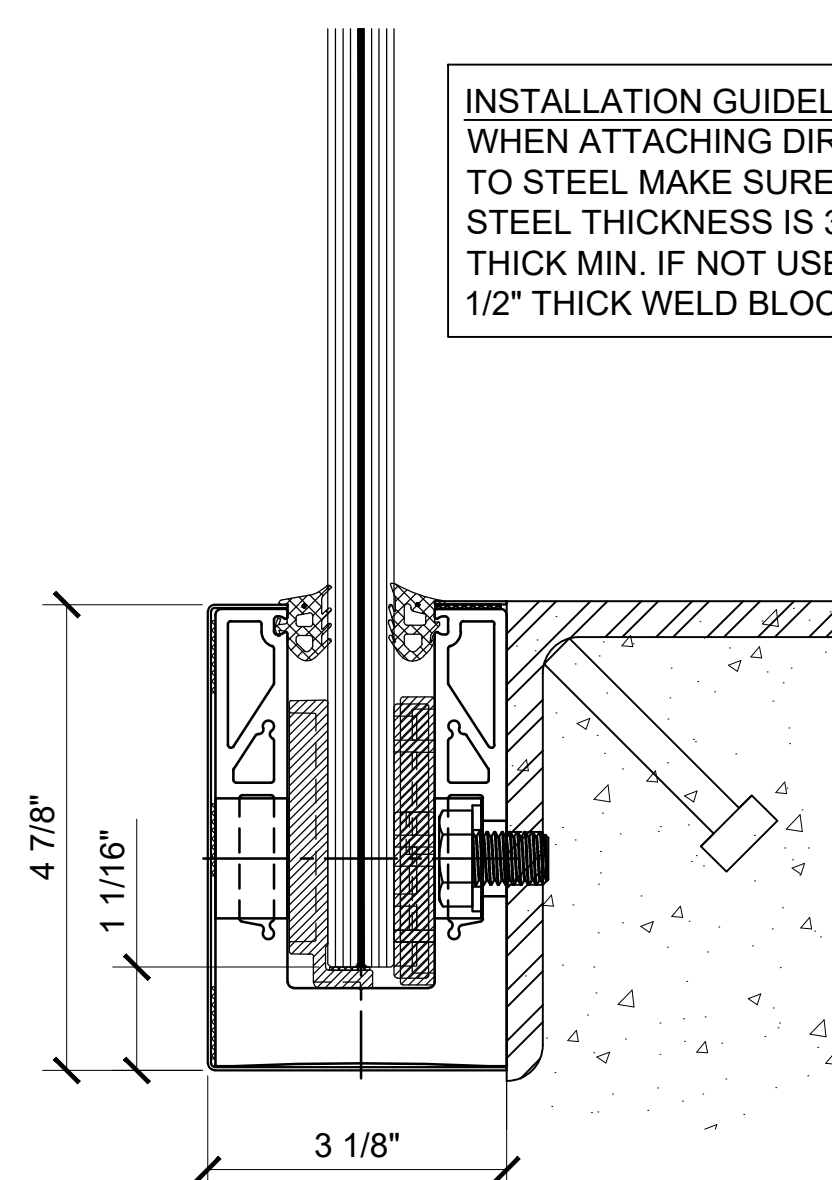
**FASCIA MOUNT DETAIL
CONCRETE SUBSTRATE**

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SUBSTRATE AND REGION OF PROJECT
11 13/16" (300MM) O.C. SPACING IS STANDARD



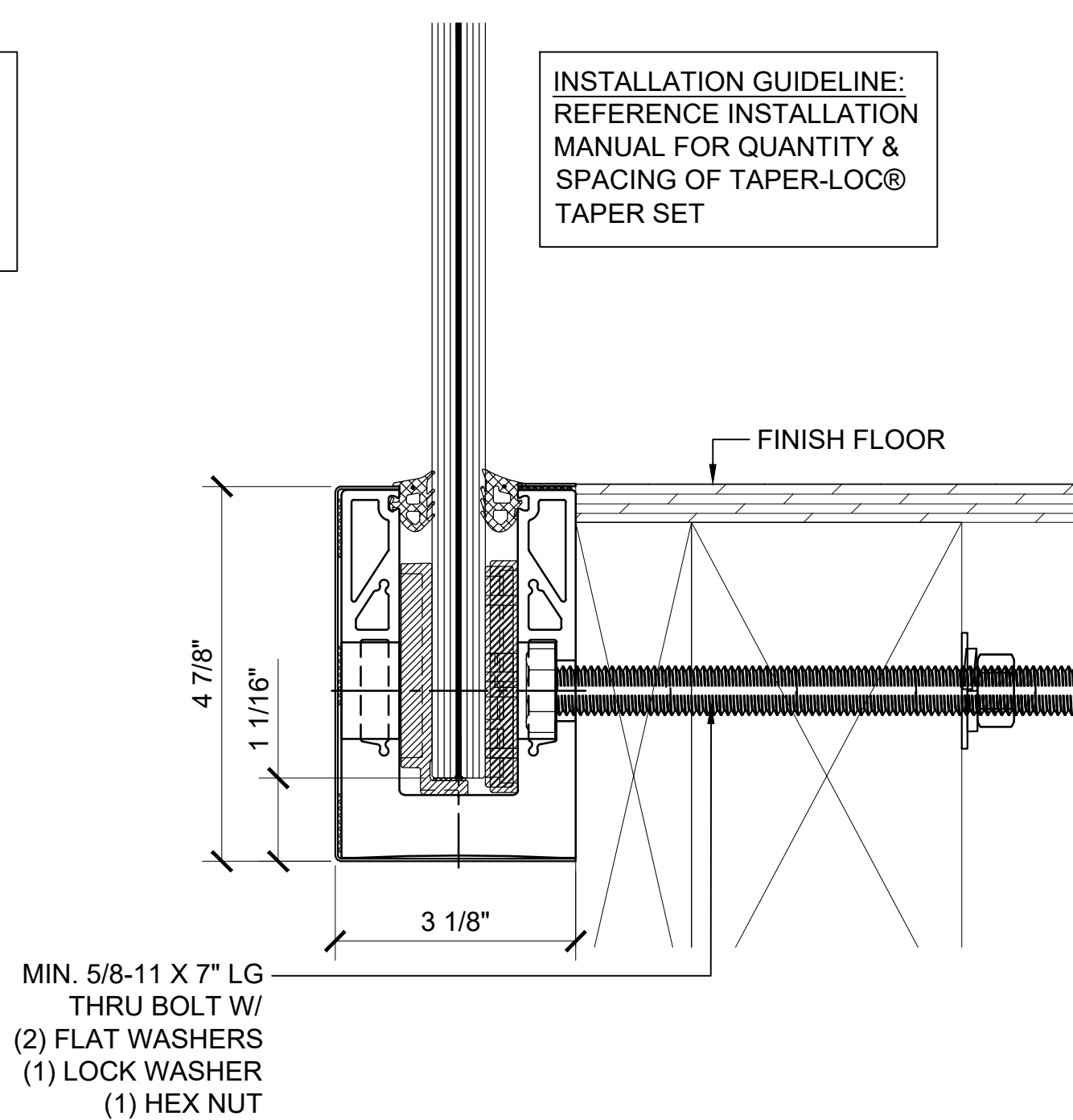
**FASCIA MOUNT DETAIL
STEEL SUBSTRATE**

11 13/16" (300MM) ON CENTER ANCHOR SPACING



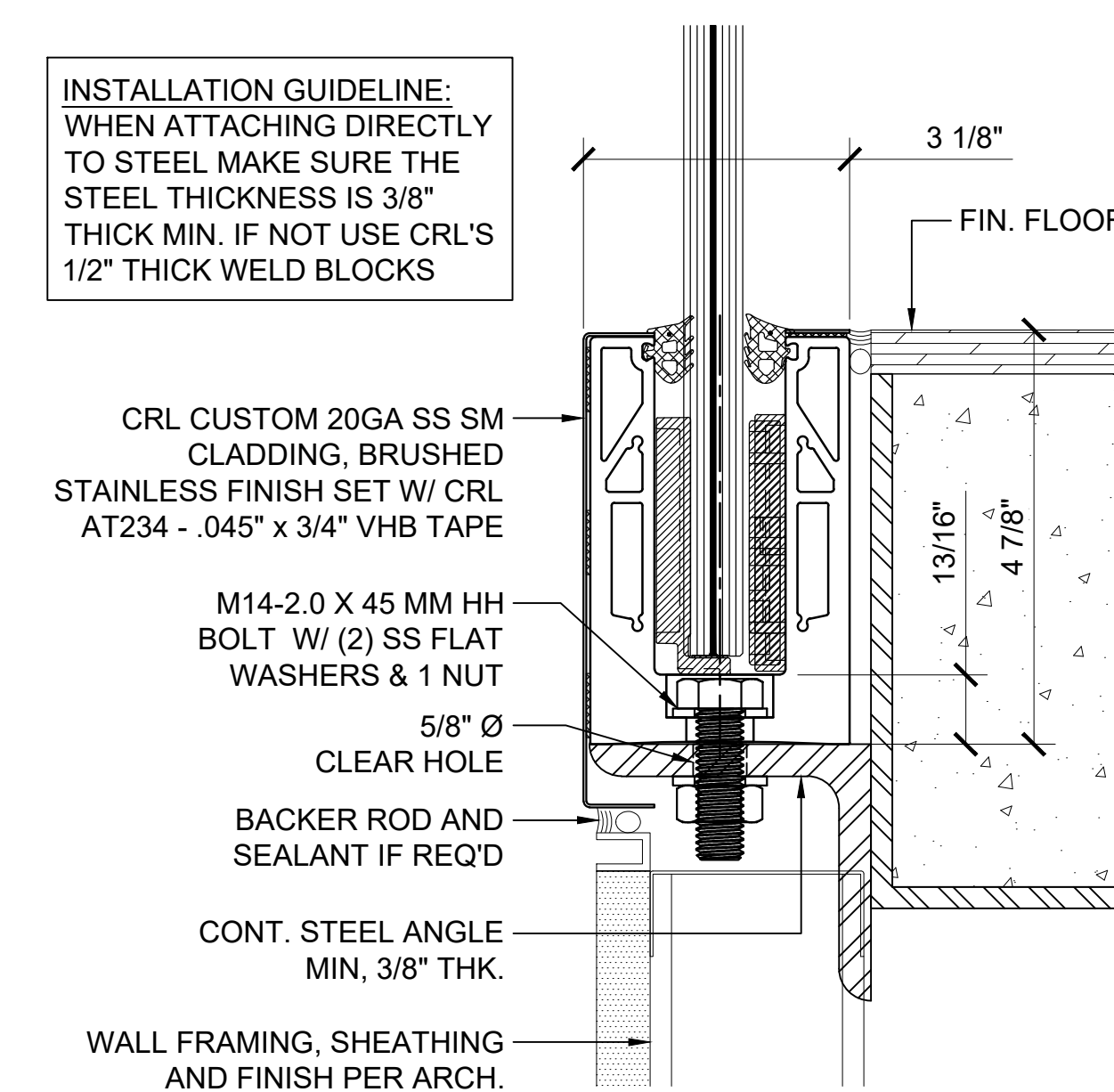
**FASCIA MOUNT DETAIL
STEEL SUBSTRATE**

11 13/16" (300MM) ON CENTER ANCHOR SPACING



**FASCIA MOUNT DETAIL
WOOD SUBSTRATE**

ANCHOR SPACING WILL DEPEND ON MOUNTING
SUBSTRATE AND REGION OF PROJECT
11 13/16" (300MM) O.C. SPACING IS STANDARD



**SURFACE MOUNT DETAIL
STEEL SUBSTRATE W/ CUSTOM CLADDING**

11 13/16" (300MM) ON CENTER ANCHOR SPACING

INSTALLATION GUIDELINE:
REFERENCE INSTALLATION
MANUAL FOR QUANTITY &
SPACING OF TAPER-LOC®
TAPER SET

INSTALLATION GUIDELINE:
WHEN ATTACHING DIRECTLY
TO STEEL MAKE SURE THE
STEEL THICKNESS IS 3/8"
THICK MIN. IF NOT USE CRL'S
1/2" THICK WELD BLOCKS

INSTALLATION GUIDELINE:
DURING THE INSTALLATION
PROCESS MAKE SURE A
CERTIFIED WELDER APPLIES
A 1/4" CONTINUOUS FILLET
WELD ON TWO SIDES OF THE
WELD BLOCK

INSTALLATION GUIDELINE:
REFERENCE INSTALLATION
MANUAL FOR QUANTITY &
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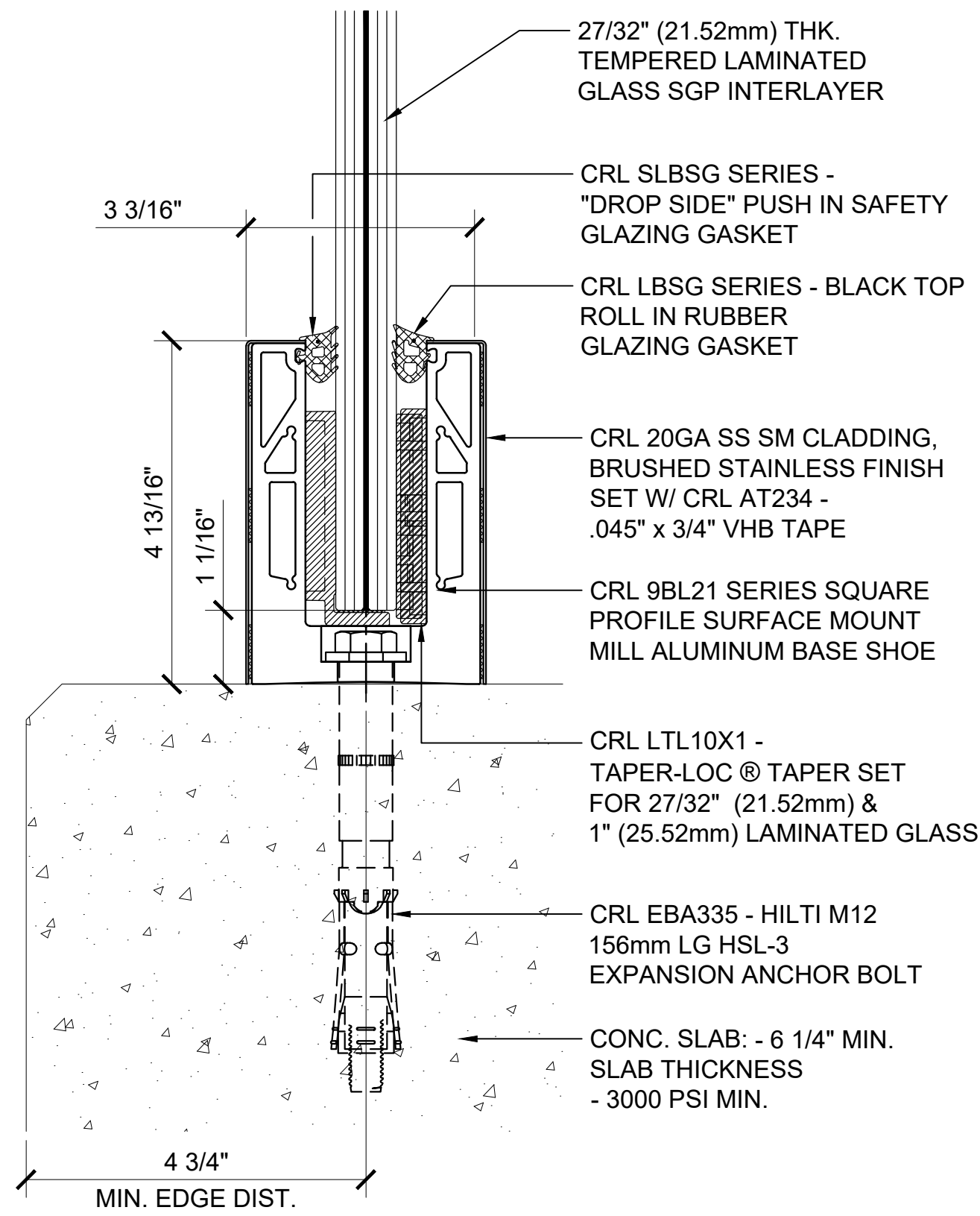
GRS
Description:
GLASS RAILING SYSTEM
FOR TEMPERED LAMINATED
9 1/16" (13.52mm), 1 1/16" (17.52mm),
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THK. GLASS

BASE SHOE OPTIONS
SURFACE & FASCIA MOUNT

Drawn By: JG / RPD
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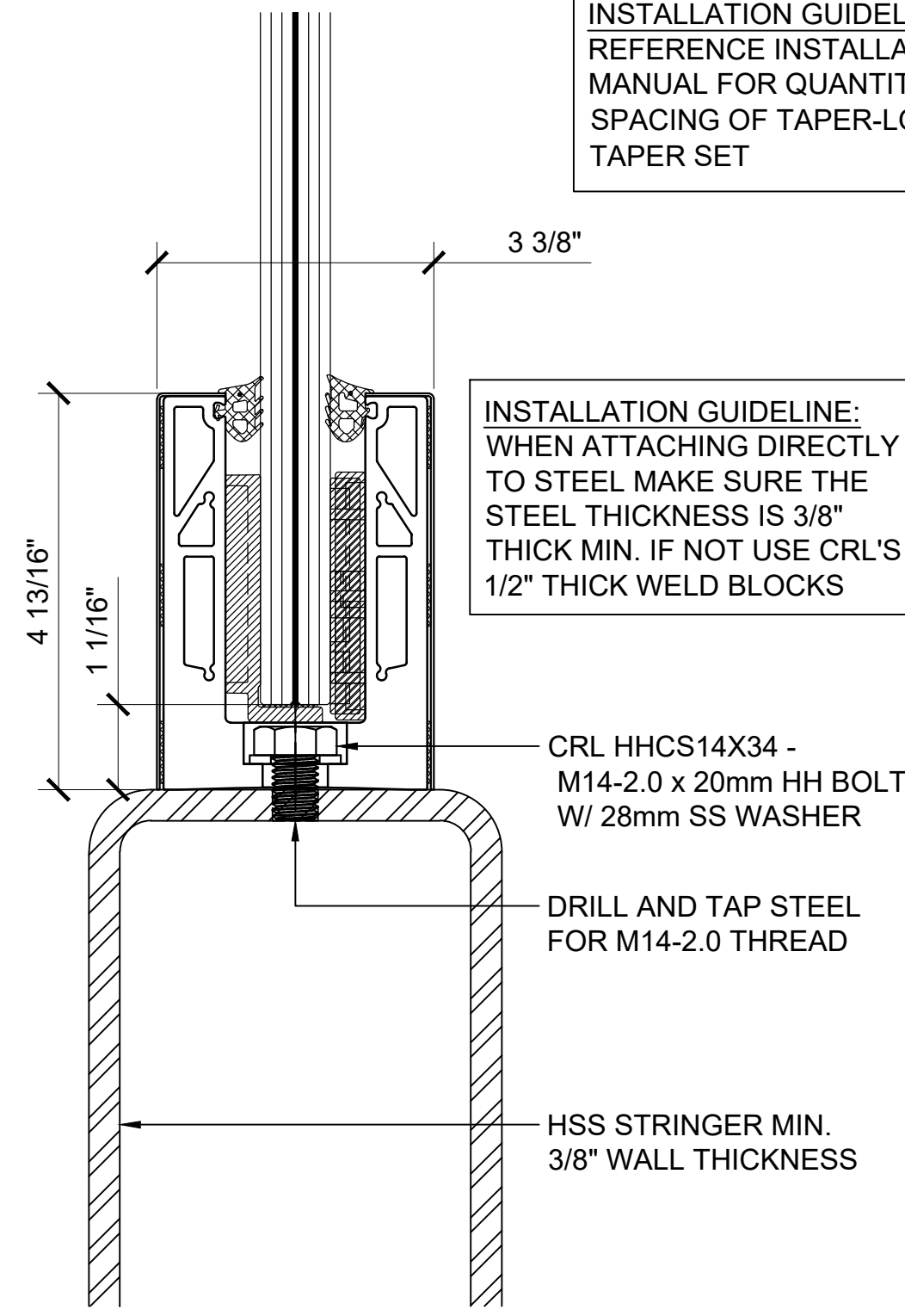
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TYPICAL BASE SHOE ATTACHMENTS USING THE 9BL21 SERIES BASE SHOE WITH TAPER-LOC® SYSTEM



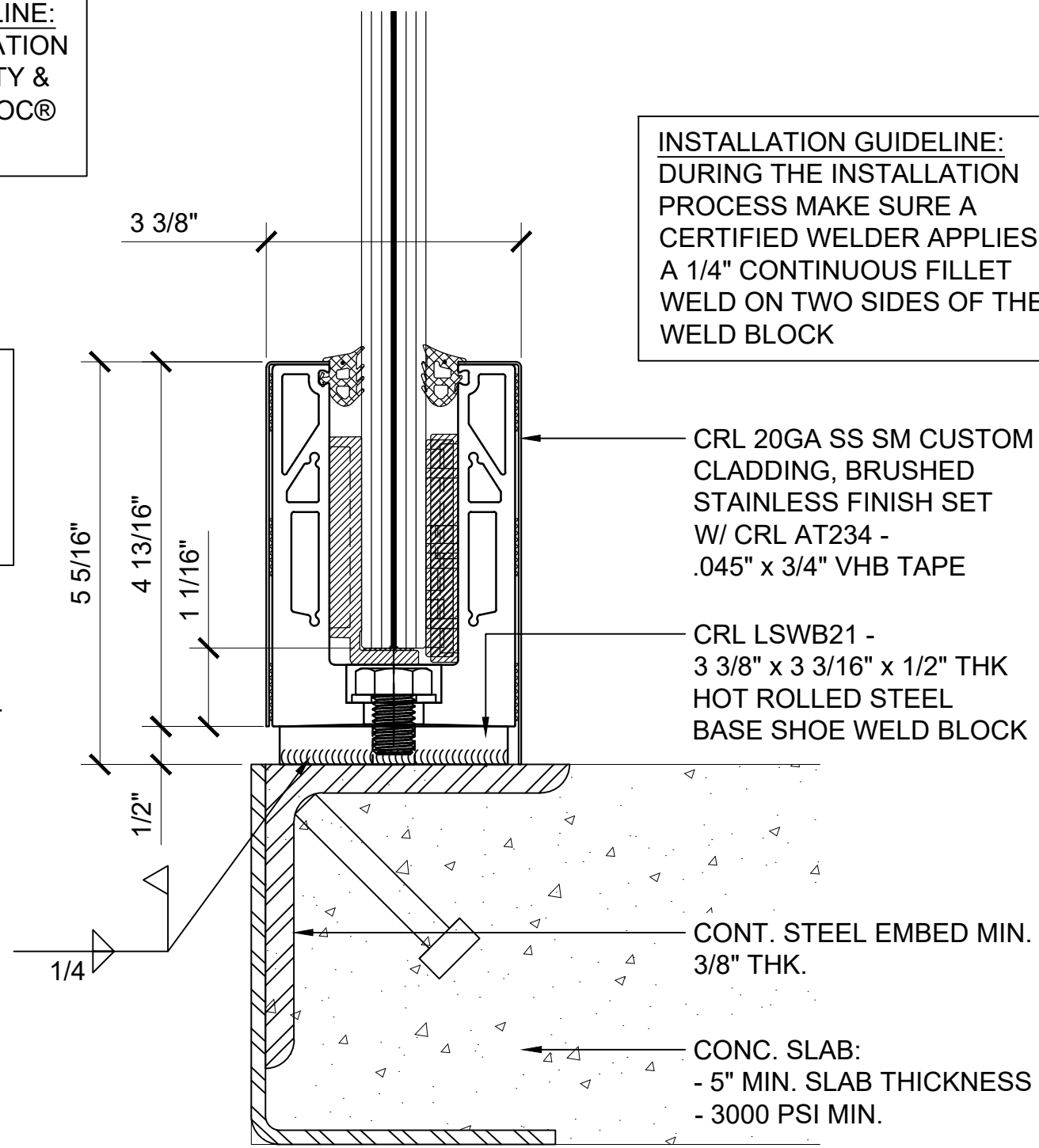
**SURFACE MOUNT DETAIL
CONCRETE SUBSTRATE**

ANCHOR SPACING WILL DEPEND ON MOUNTING
SUBSTRATE AND REGION OF PROJECT
11 13/16" (300mm) O.C. IS STANDARD



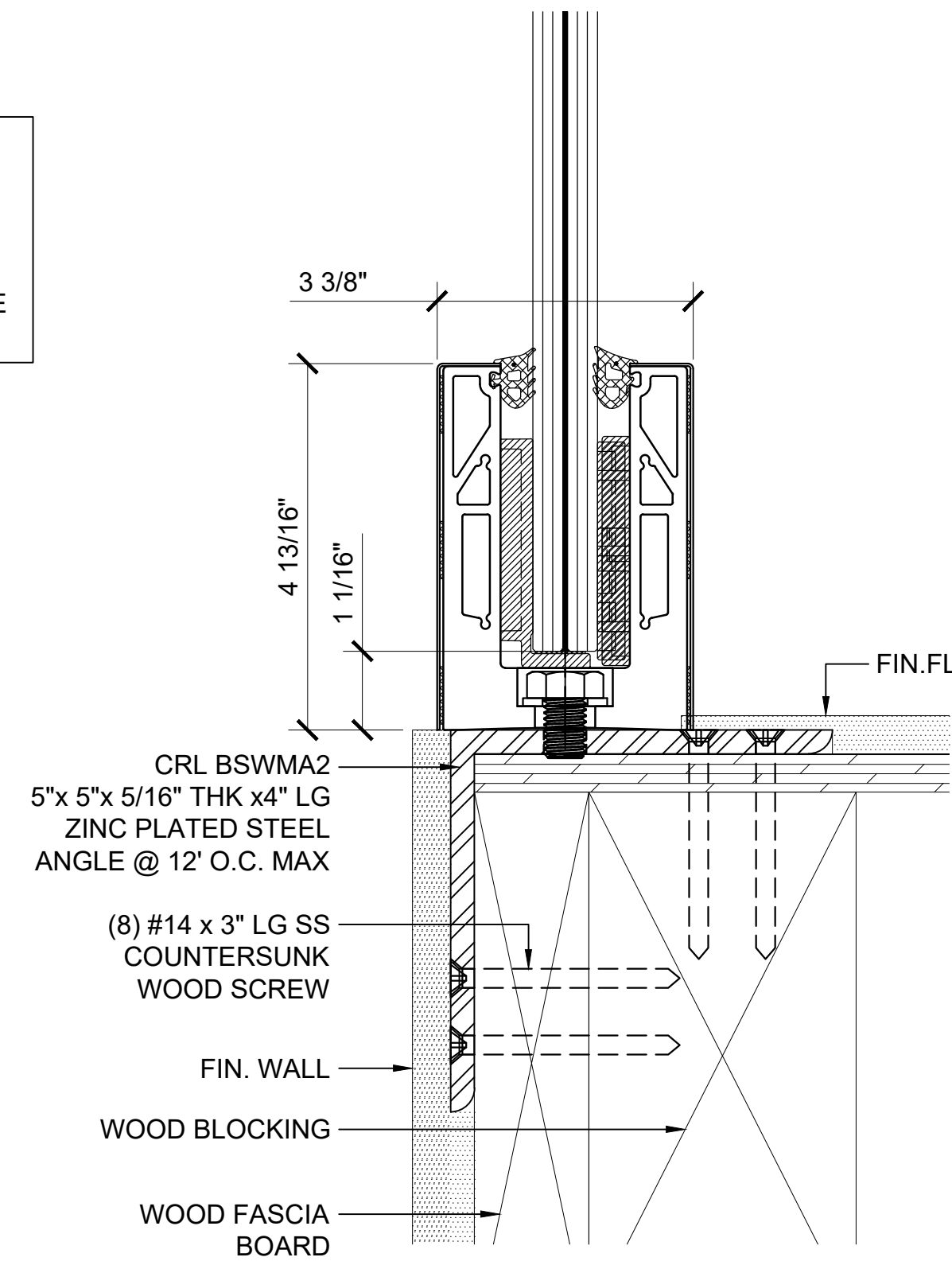
**SURFACE MOUNT DETAIL
STEEL SUBSTRATE**

11 13/16" (300mm) ON CENTER ANCHOR SPACING



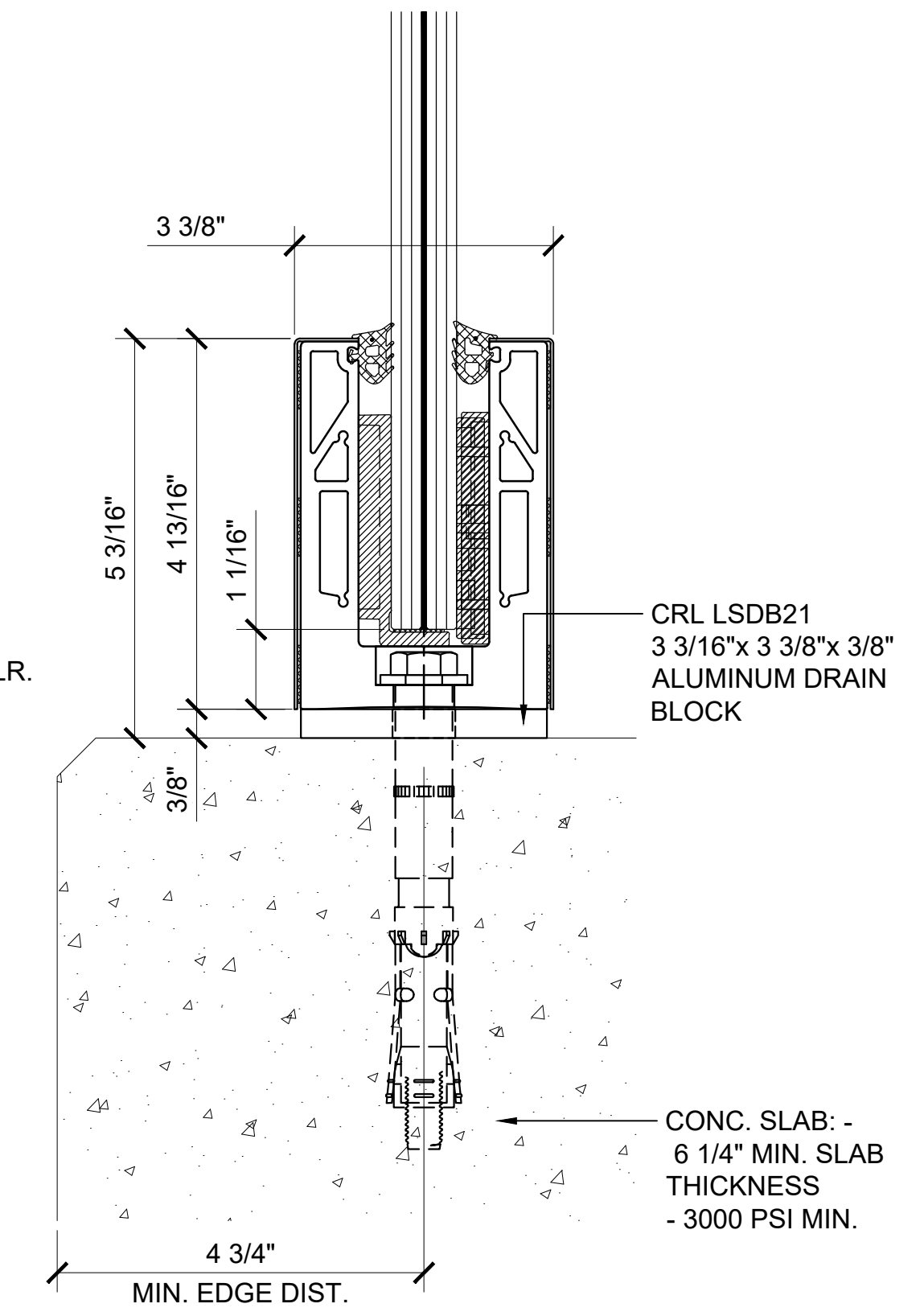
**SURFACE MOUNT DETAIL
STEEL SUBSTRATE W/ WELD BLOCK**

11 13/16" (300mm) ON CENTER ANCHOR SPACING



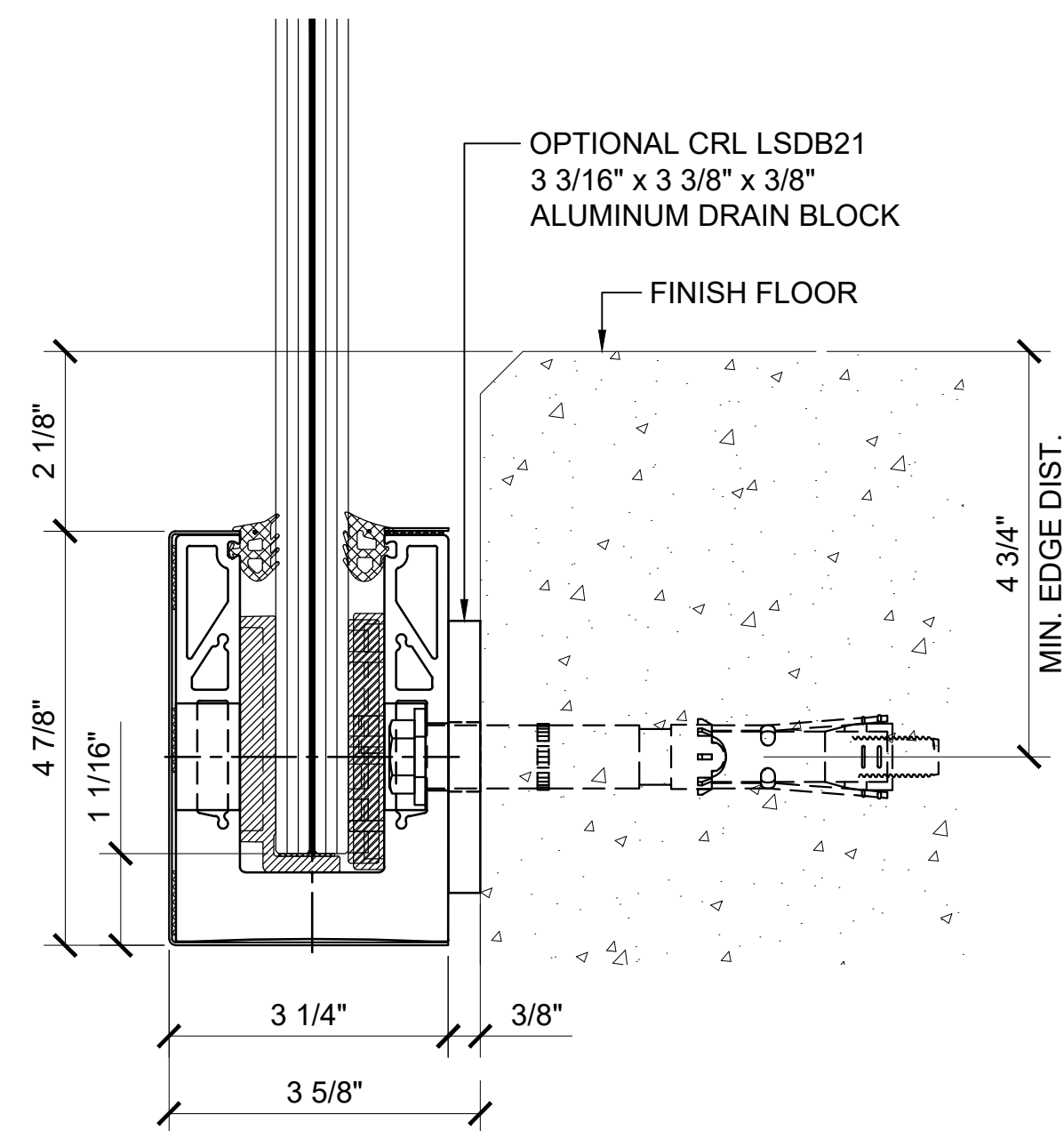
**SURFACE MOUNT DETAIL
WOOD SUBSTRATE**

11 13/16" (300MM) ON CENTER ANCHOR SPACING



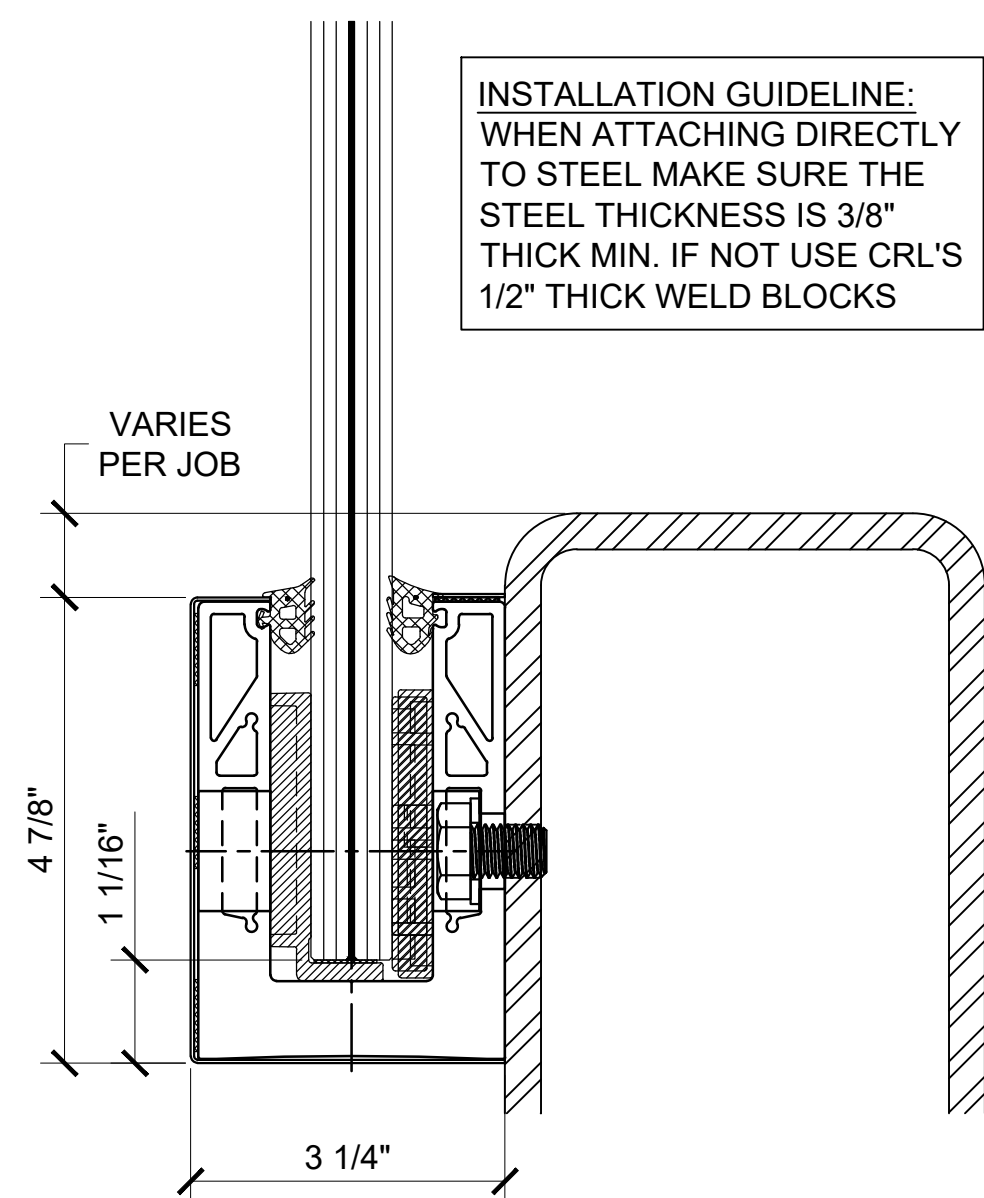
**SURFACE MOUNT DETAIL
CONCRETE SUBSTRATE W/ DRAIN BLOCK**

ANCHOR SPACING WILL DEPEND ON MOUNTING
SUBSTRATE AND REGION OF PROJECT
11 13/16" (300mm) O.C. IS STANDARD



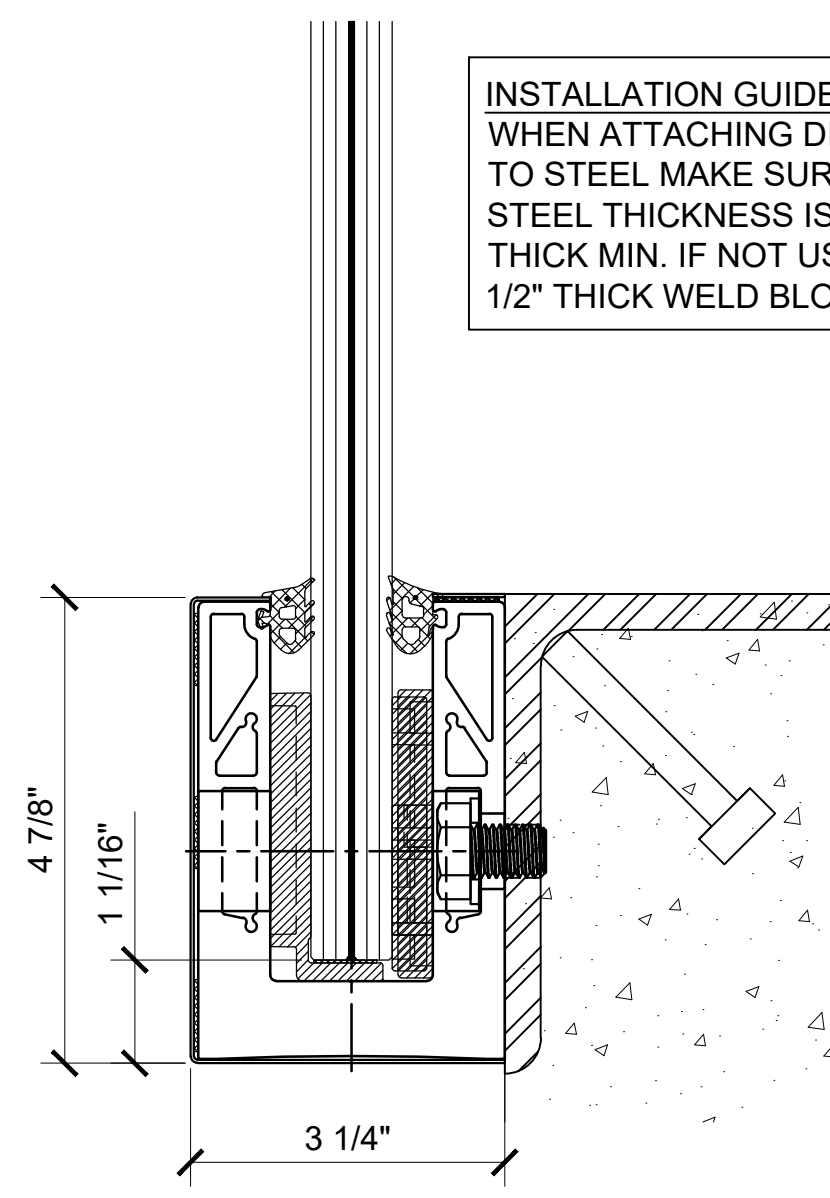
**FASCIA MOUNT DETAIL
CONCRETE SUBSTRATE**

ANCHOR SPACING WILL DEPEND ON MOUNTING
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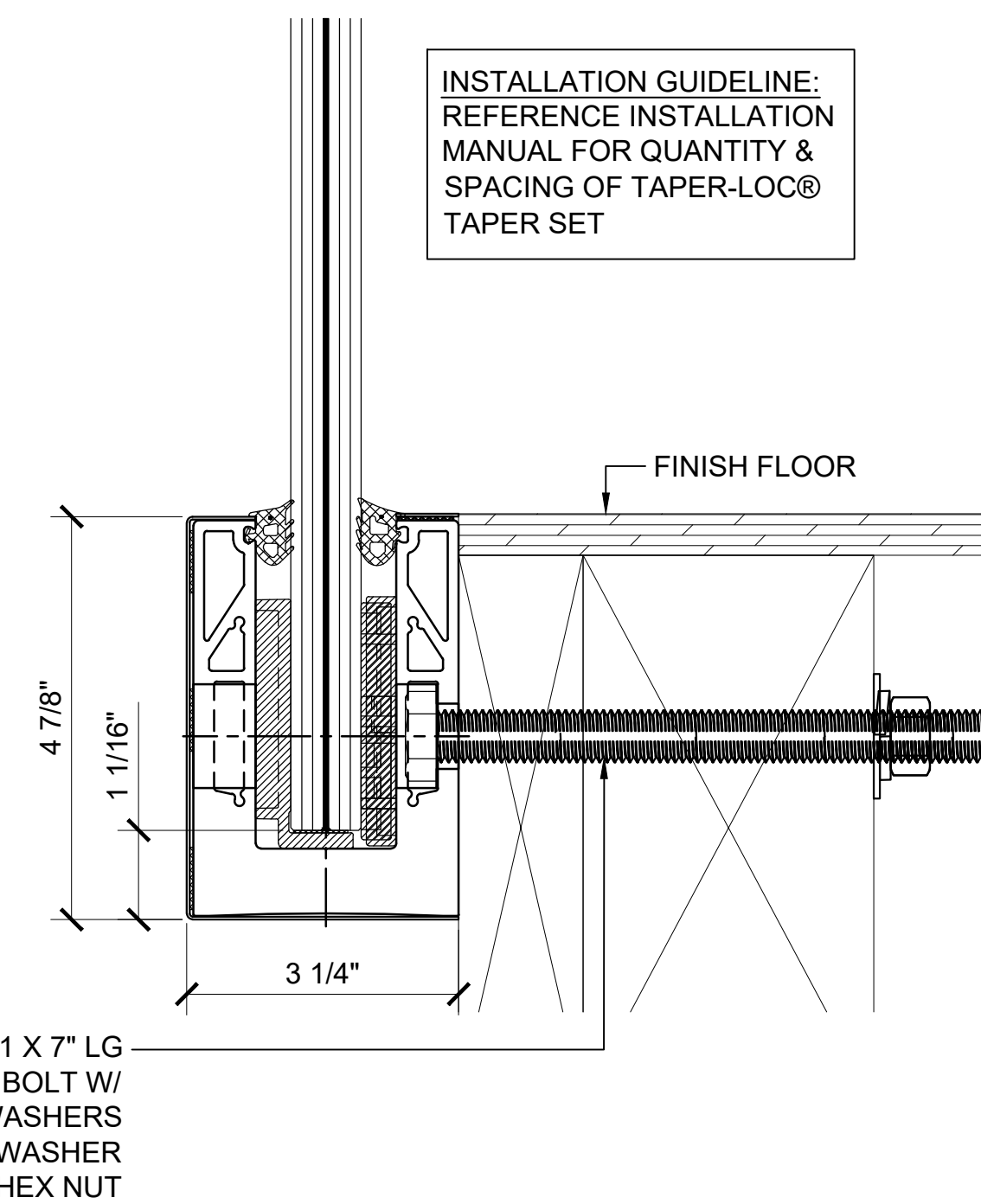
**FASCIA MOUNT DETAIL
STEEL SUBSTRATE**

11 13/16" (300MM) ON CENTER ANCHOR SPACING



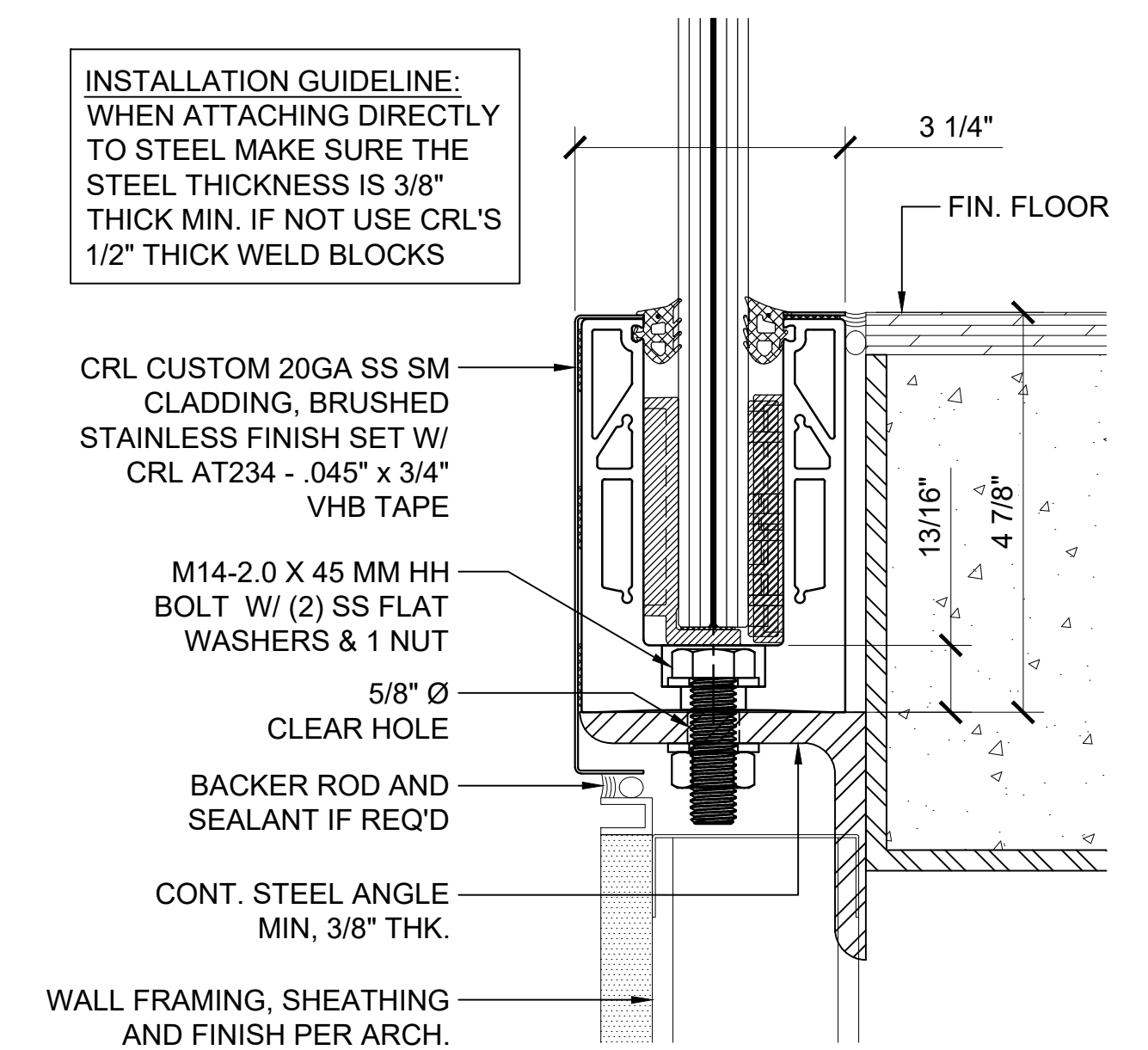
**FASCIA MOUNT DETAIL
STEEL SUBSTRATE**

11 13/16" (300MM) ON CENTER ANCHOR SPACING



**FASCIA MOUNT DETAIL
WOOD SUBSTRATE**

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**SURFACE MOUNT DETAIL
STEEL SUBSTRATE W/ CUSTOM CLADDING**

11 13/16" (300MM) ON CENTER ANCHOR SPACING

Revisions By:

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GLASS RAILING SYSTEM
FOR TEMPERED LAMINATED
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SURFACE & FASCIA MOUNT

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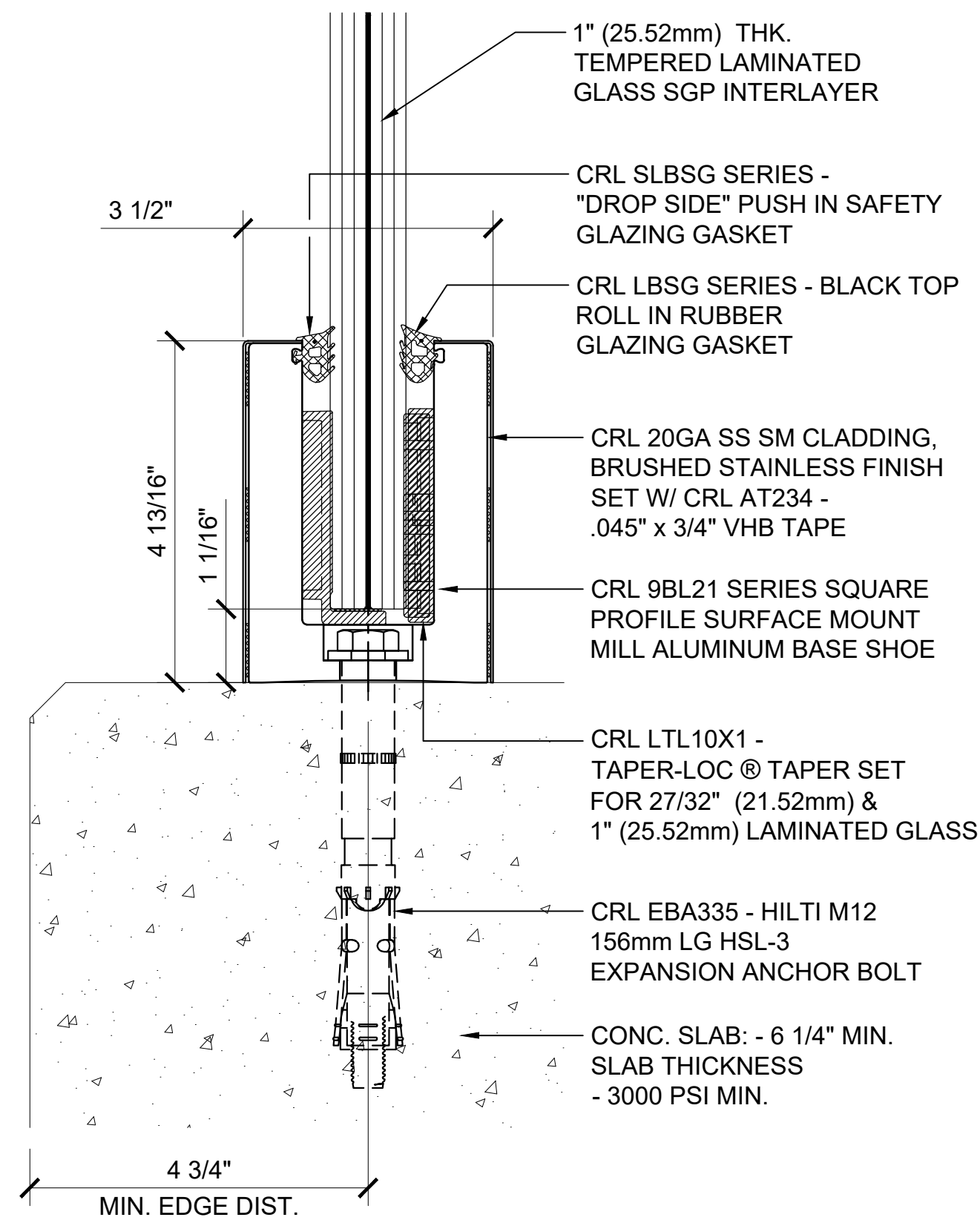
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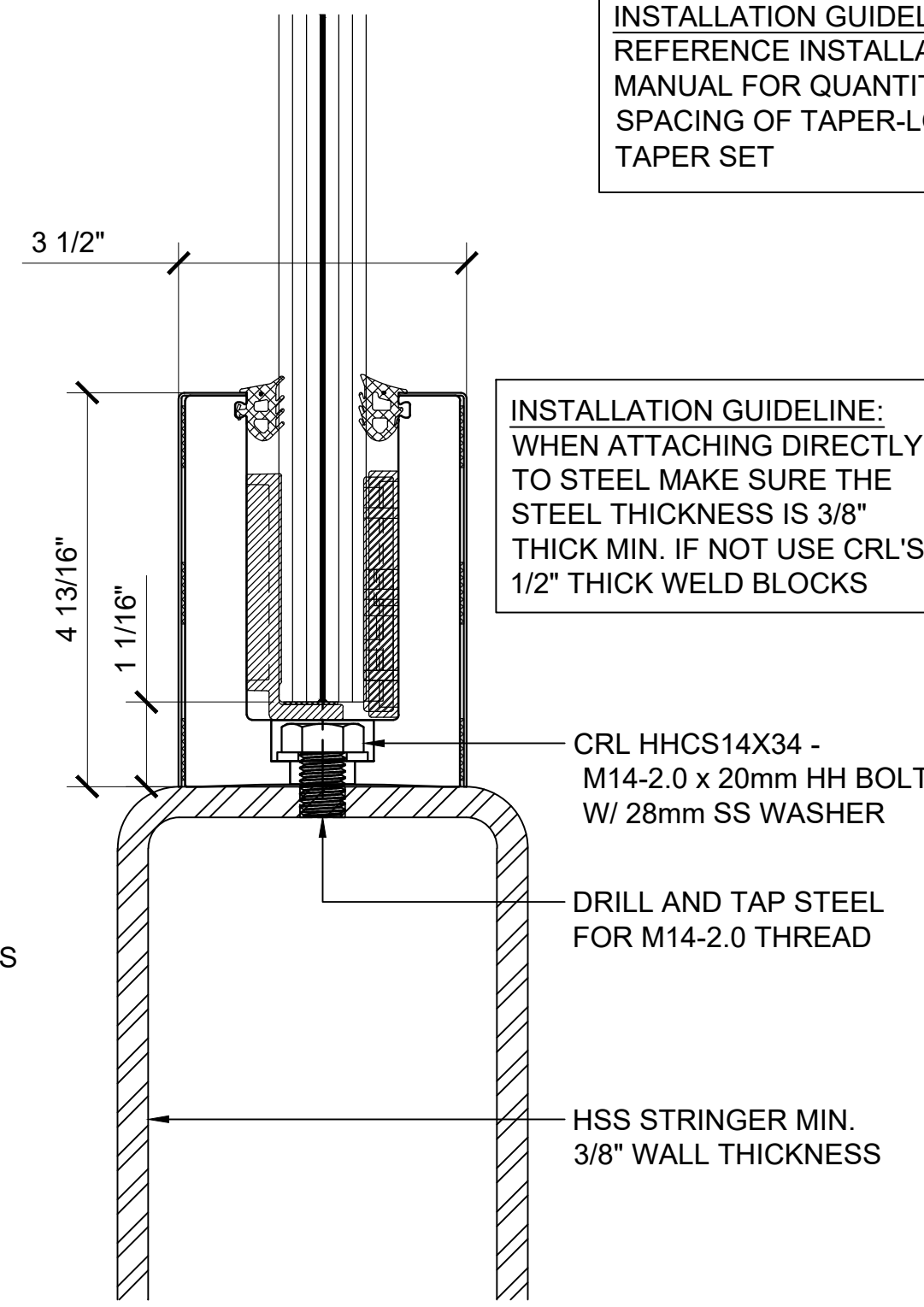
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TYPICAL BASE SHOE ATTACHMENTS USING THE L25S SERIES BASE SHOE WITH TAPER-LOC® SYSTEM



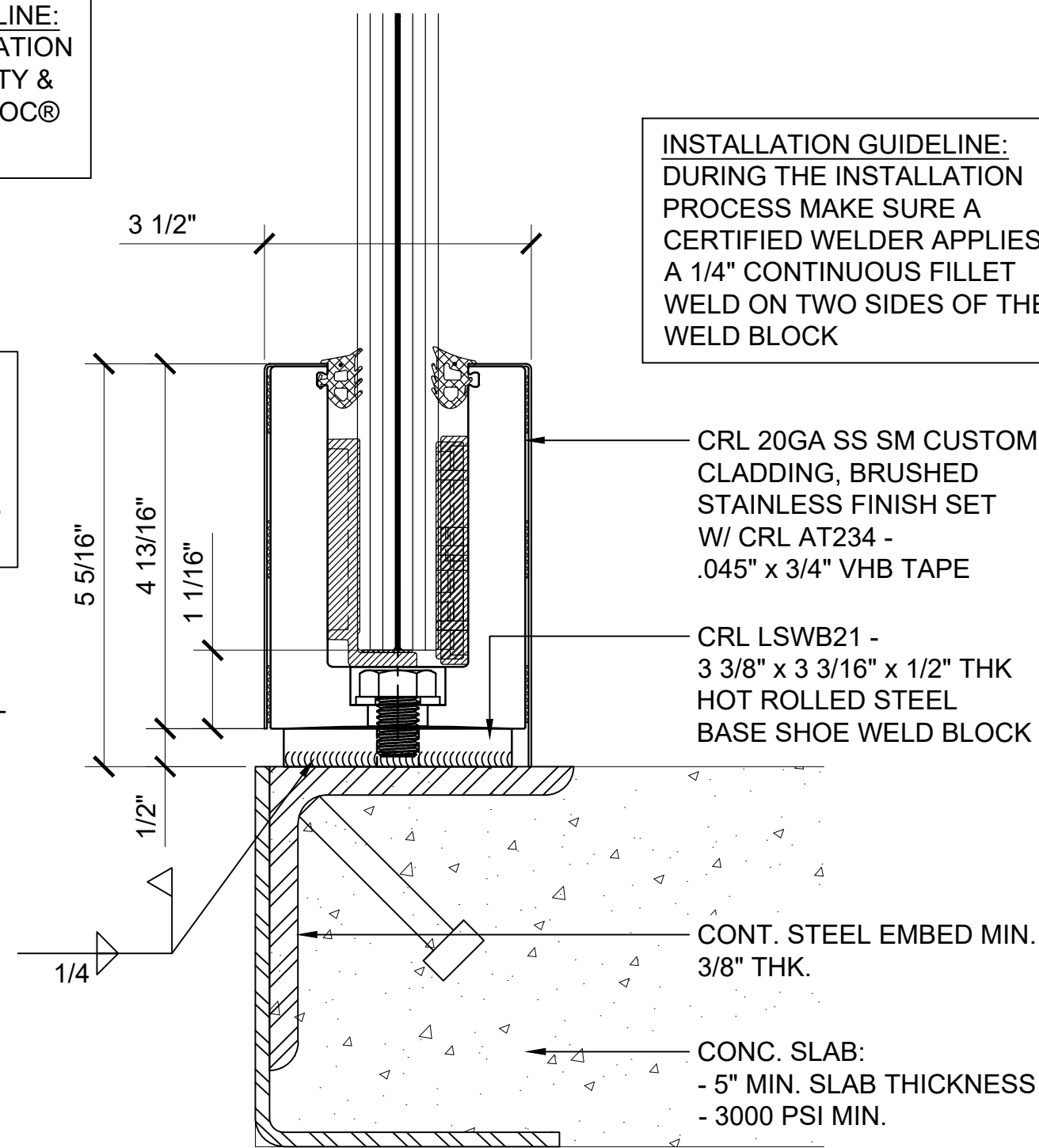
**SURFACE MOUNT DETAIL
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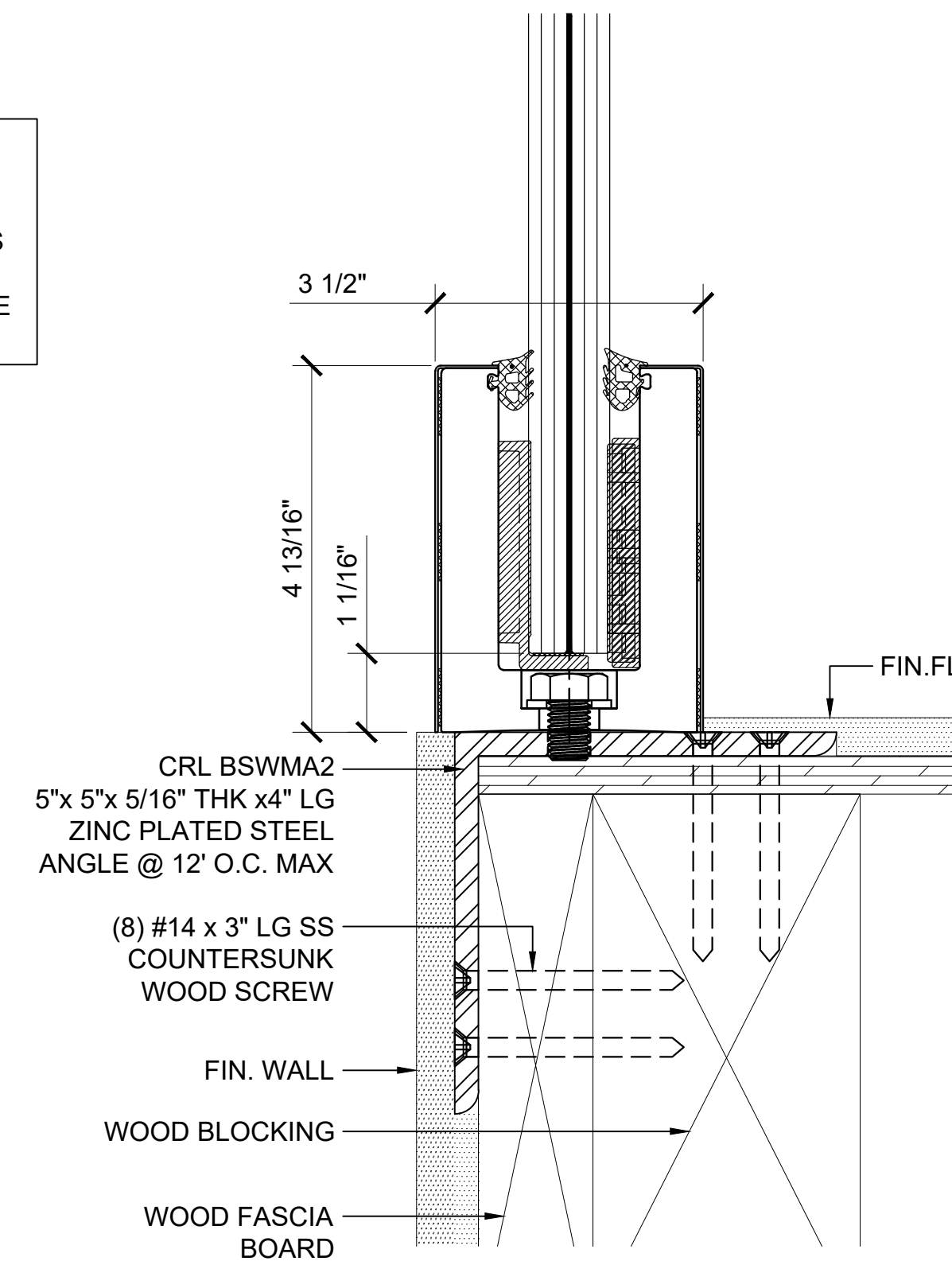
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11 13/16" (300mm) ON CENTER ANCHOR SPACING



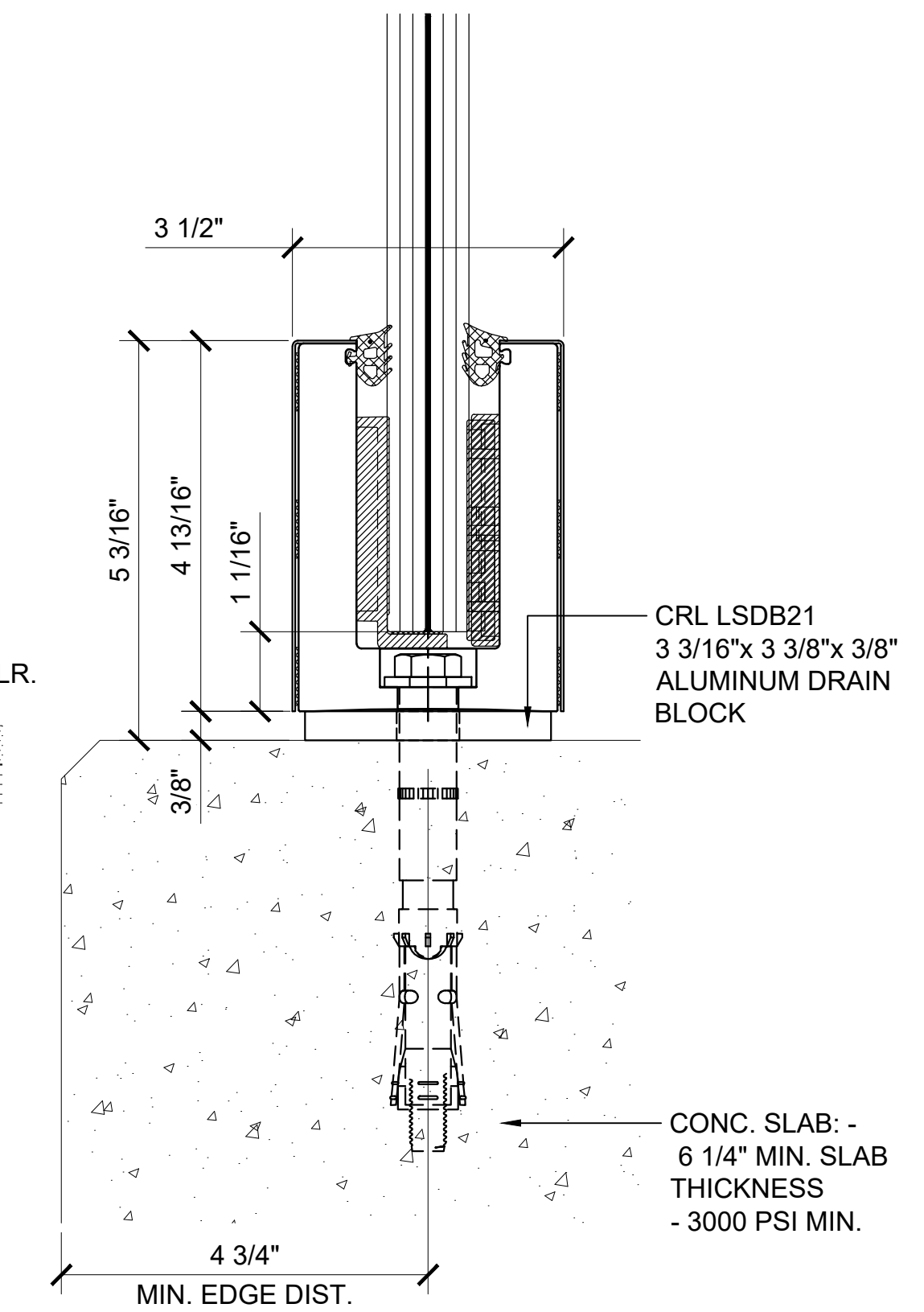
**SURFACE MOUNT DETAIL
STEEL SUBSTRATE W/ WELD BLOCK**

11 13/16" (300mm) ON CENTER ANCHOR SPACING



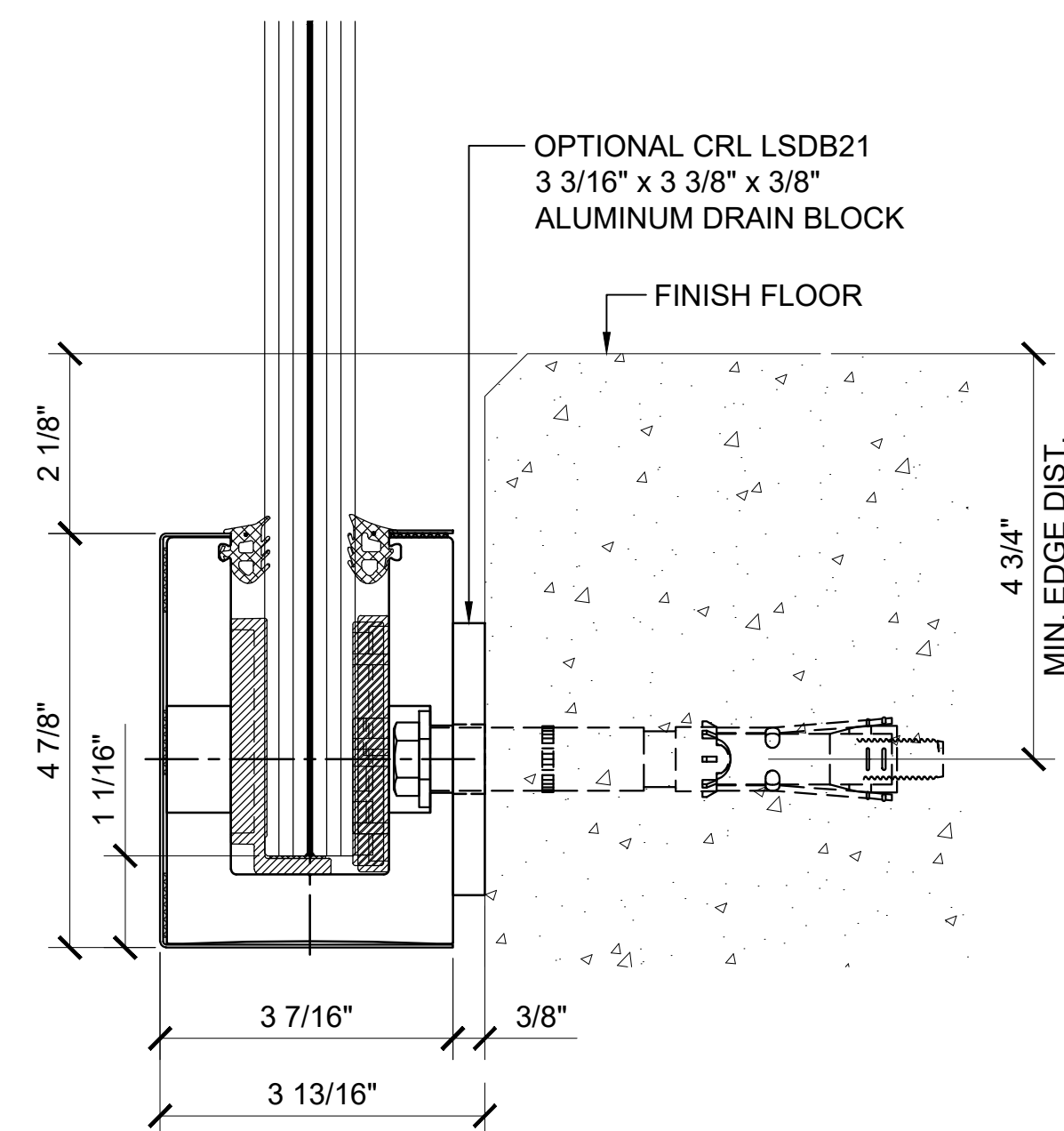
**SURFACE MOUNT DETAIL
WOOD SUBSTRATE**

11 13/16" (300MM) ON CENTER ANCHOR SPACING



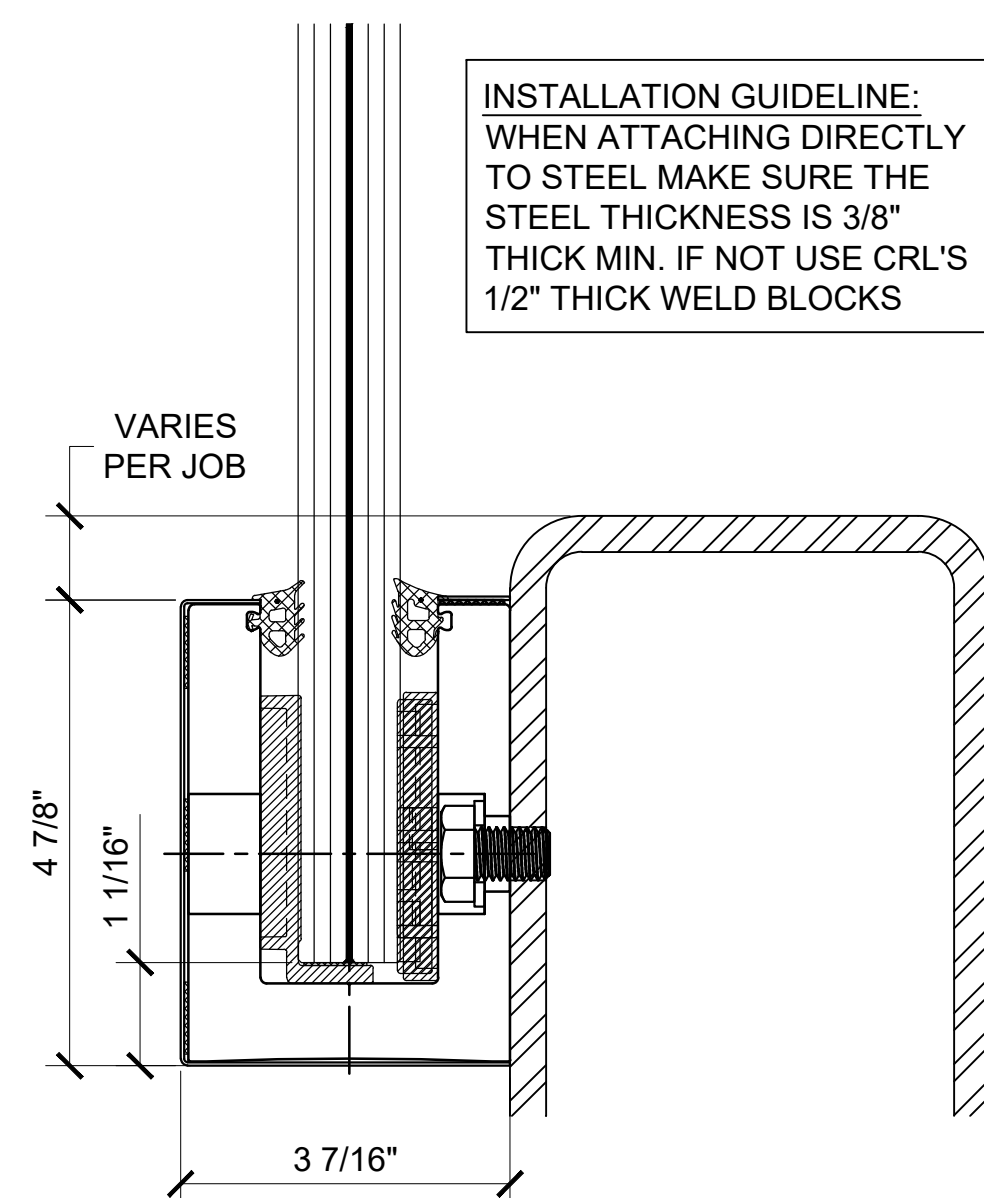
**SURFACE MOUNT DETAIL
CONCRETE SUBSTRATE W/ DRAIN BLOCK**

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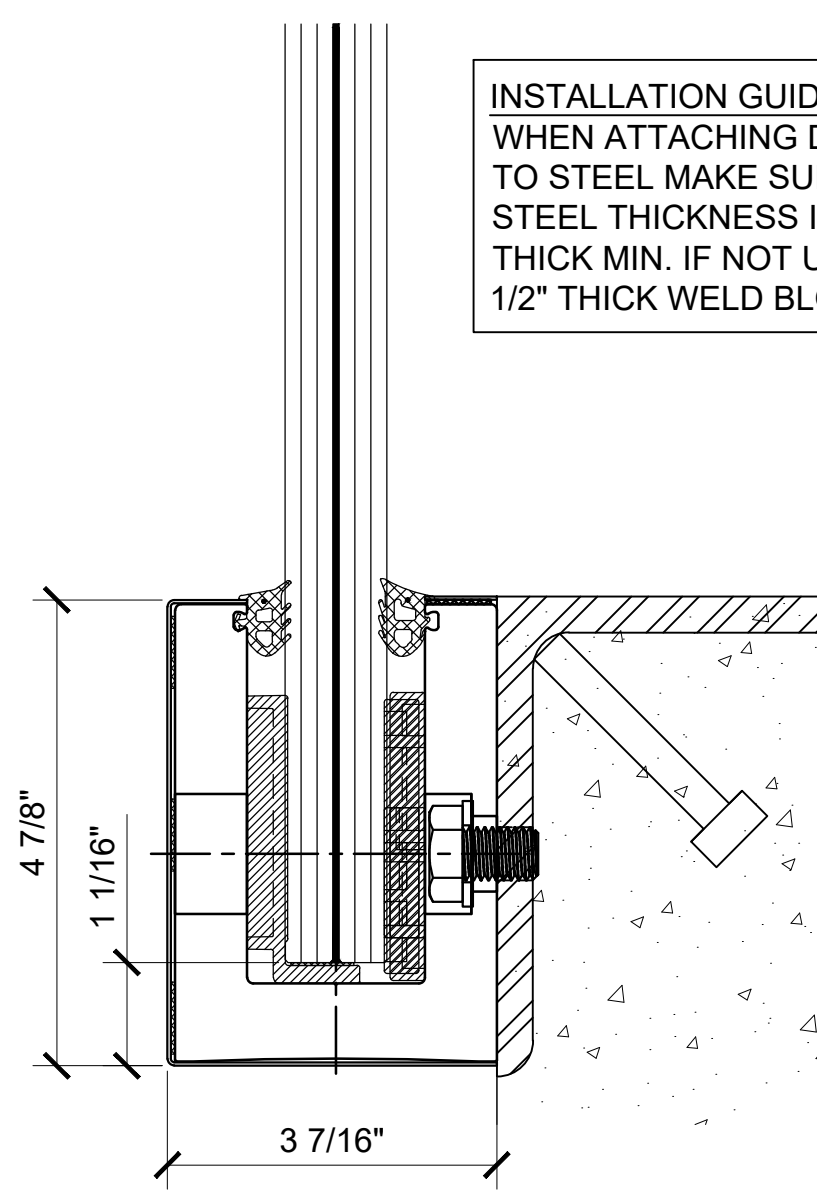
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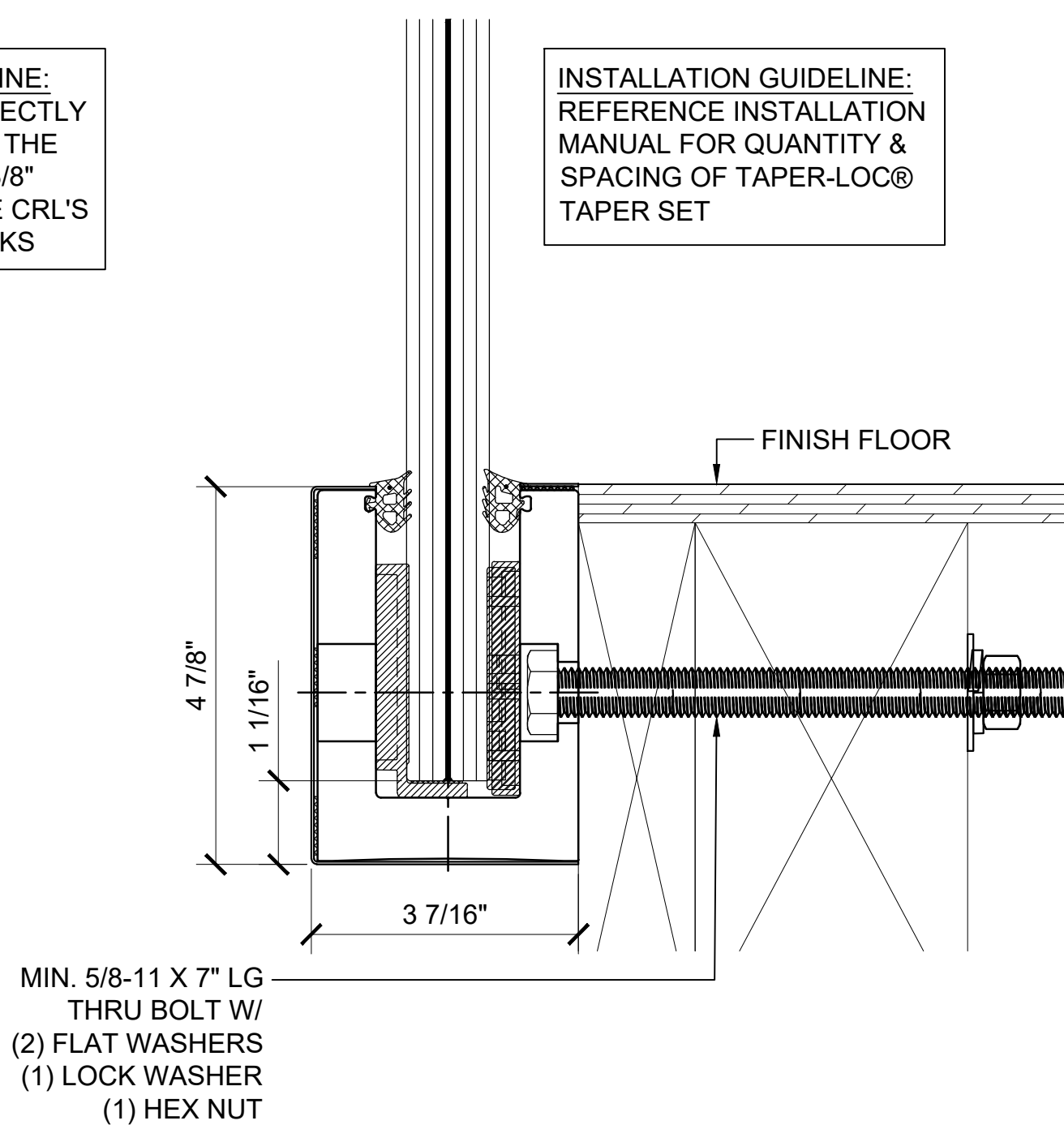
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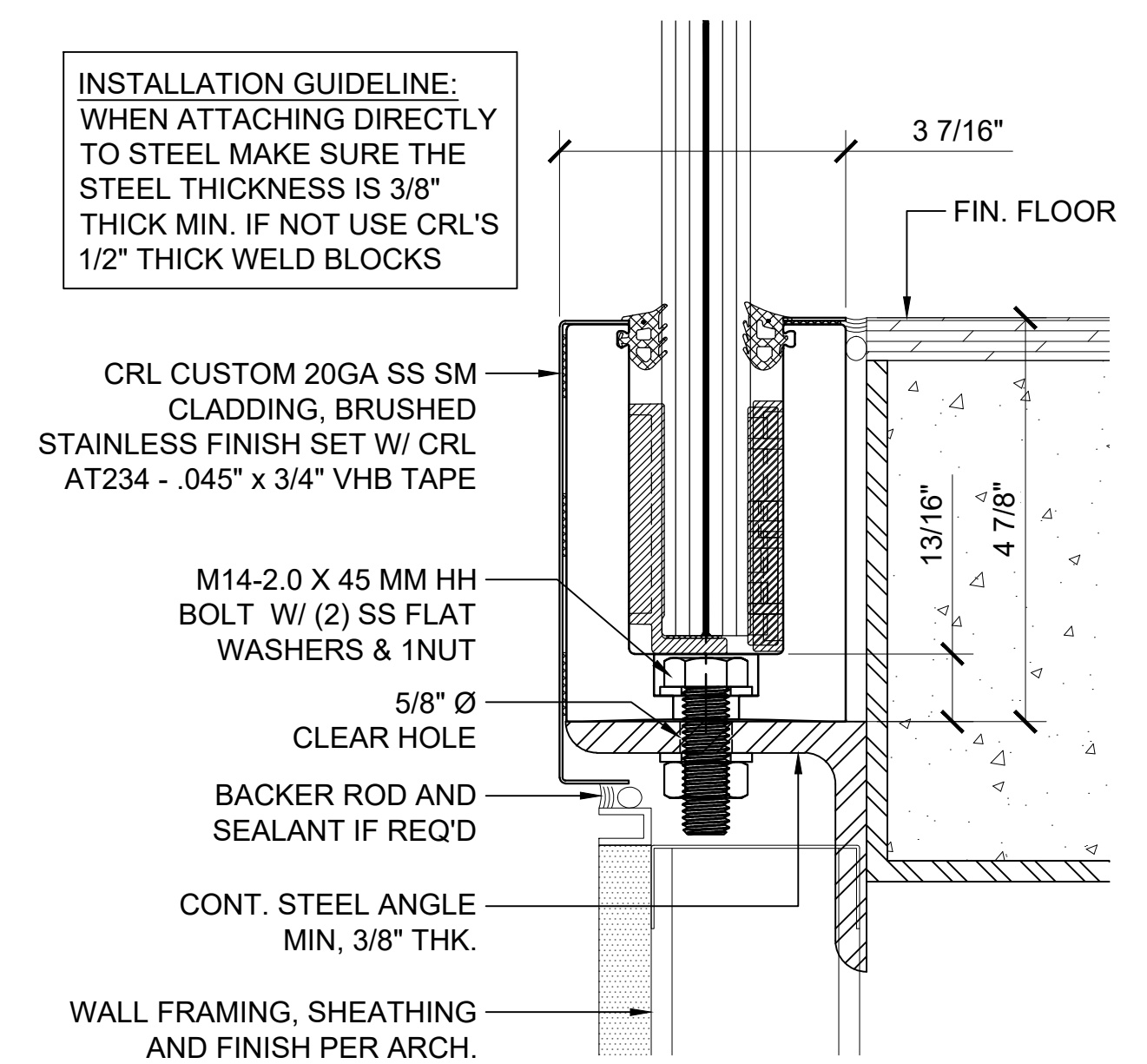
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11 13/16" (300MM) ON CENTER ANCHOR SPACING



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**SURFACE MOUNT DETAIL
STEEL SUBSTRATE W/ CUSTOM CLADDING**

11 13/16" (300MM) ON CENTER ANCHOR SPACING

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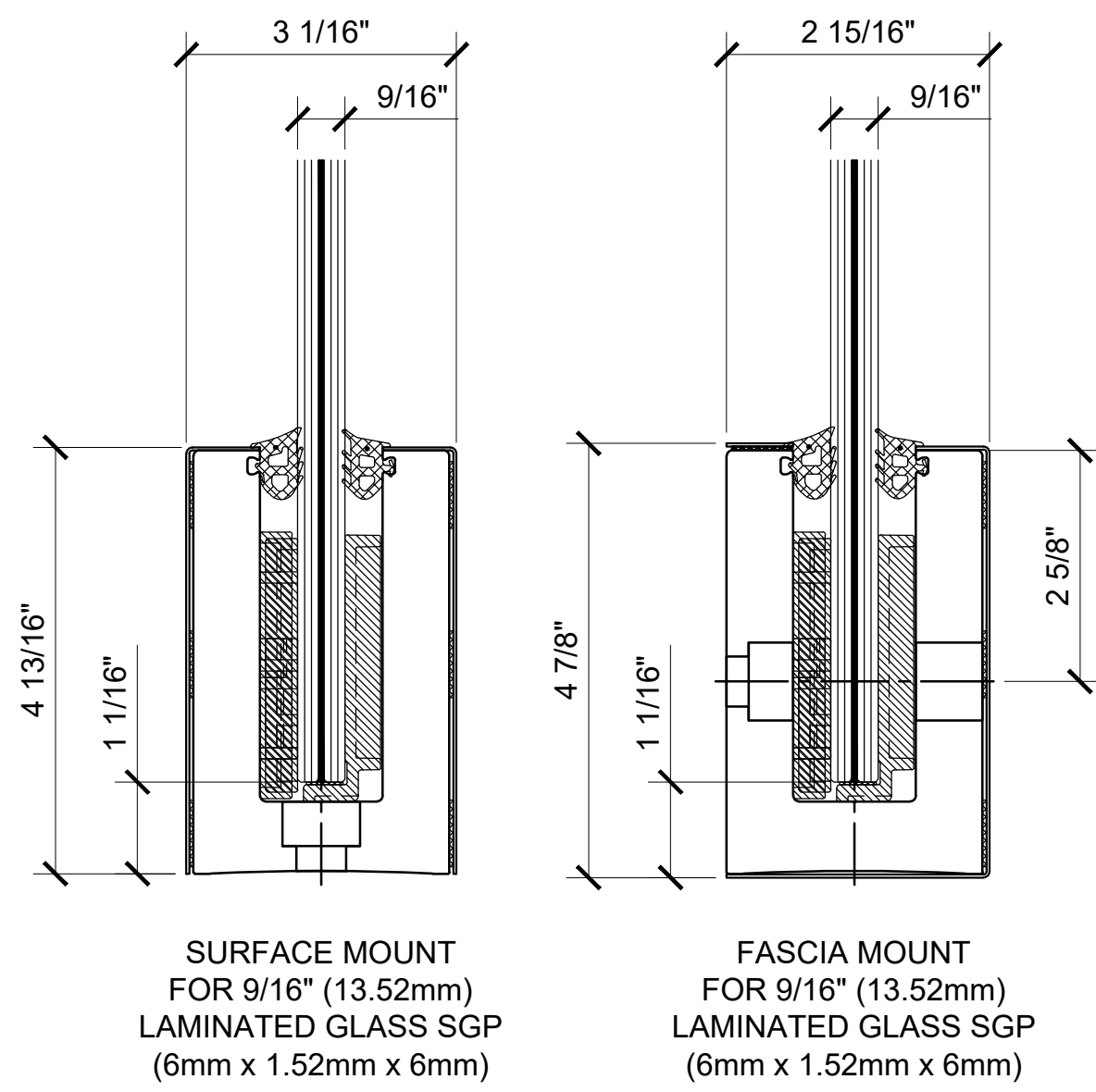
ICC ESR-3842

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

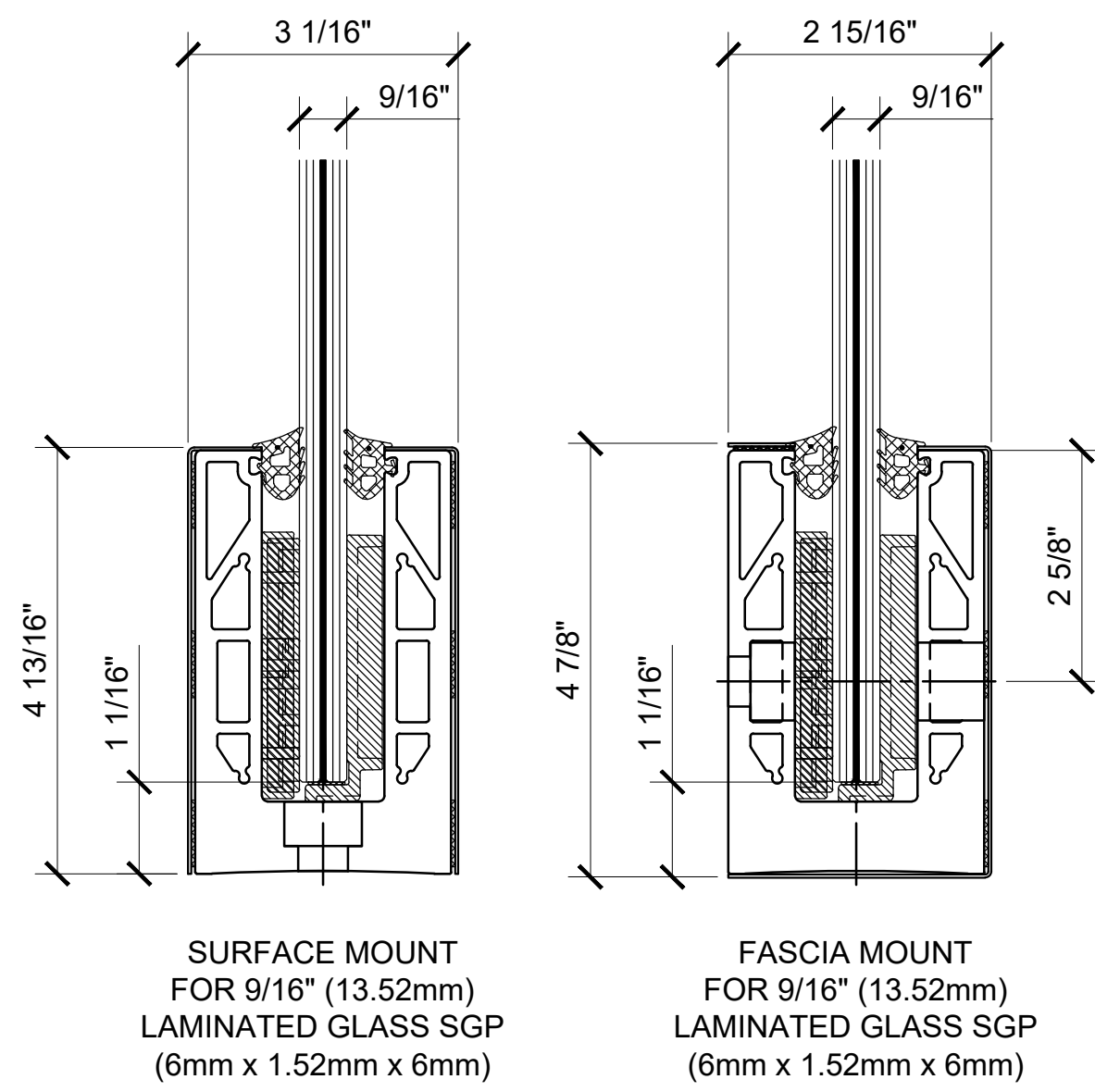
BASE SHOE OPTIONS
SURFACE & FASCIA MOUNT

Drawn By: JG / RPD
Date: 12/03/2021
Scale: AS NOTED
File Name:
CRL_GRS Laminated Glass Railing System.dwg

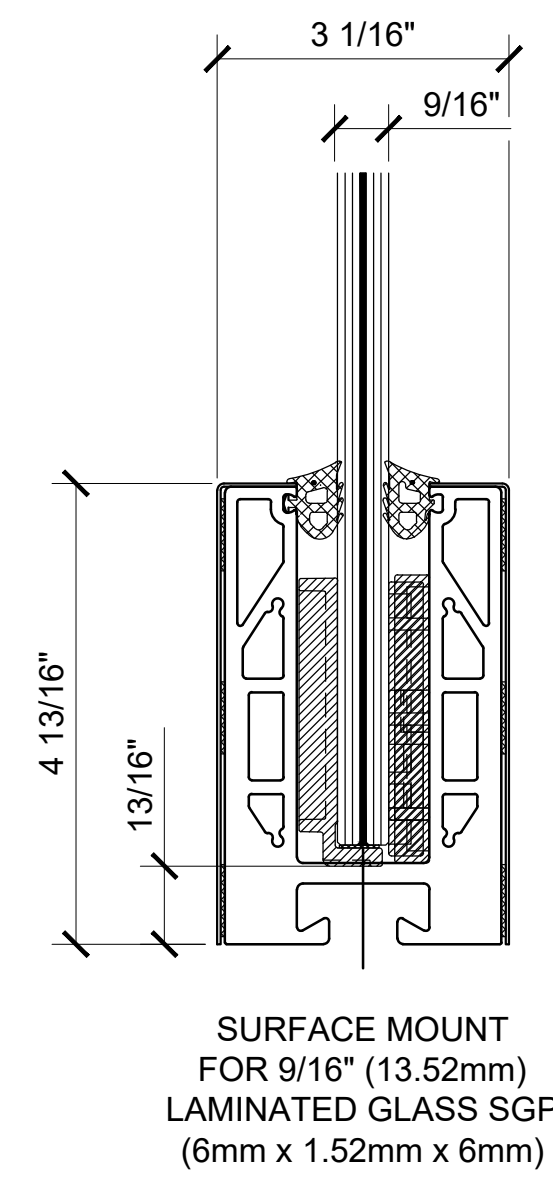
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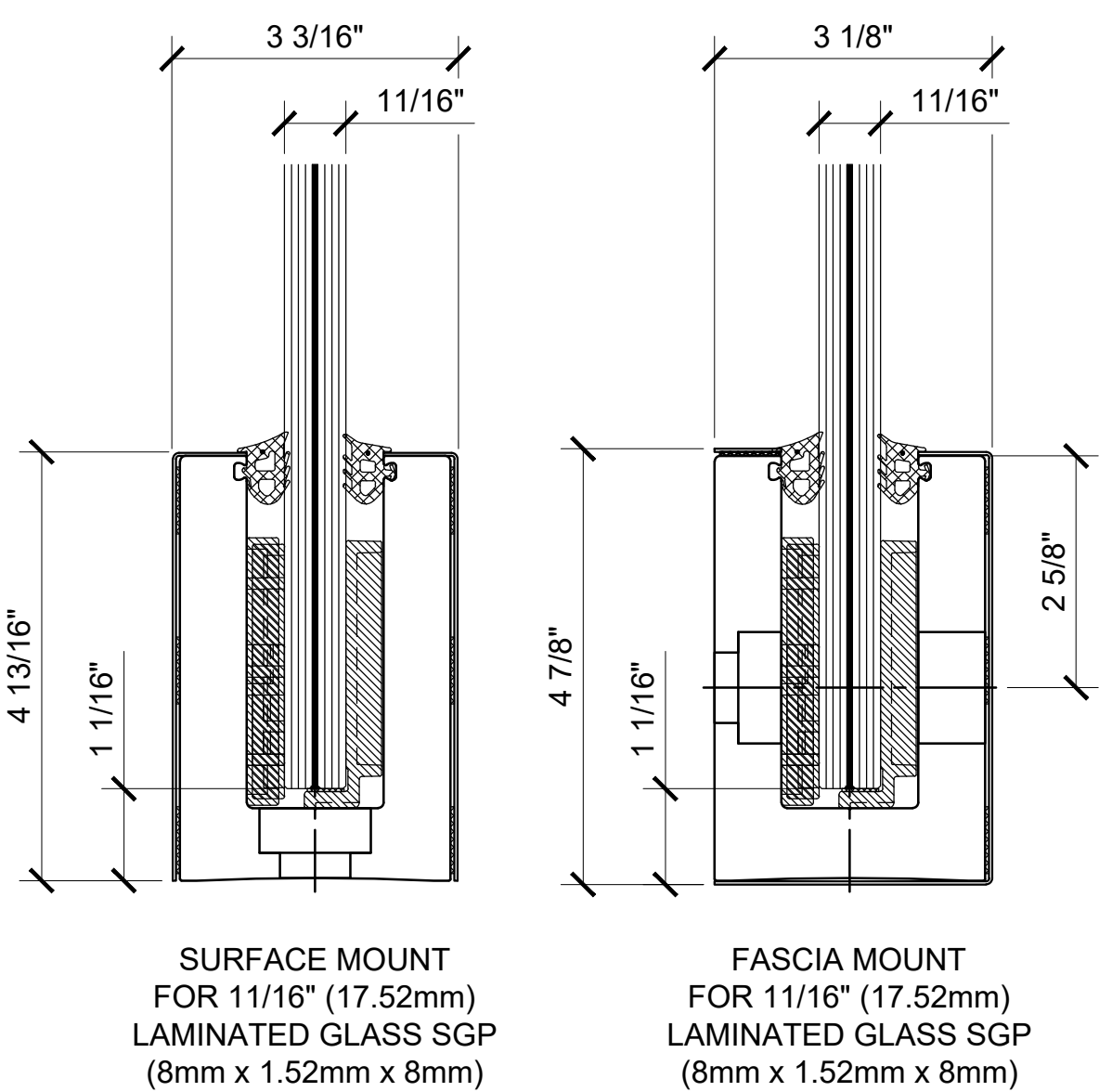
L56S SERIES BASE SHOE
LTL96X1 TAPER-LOC®



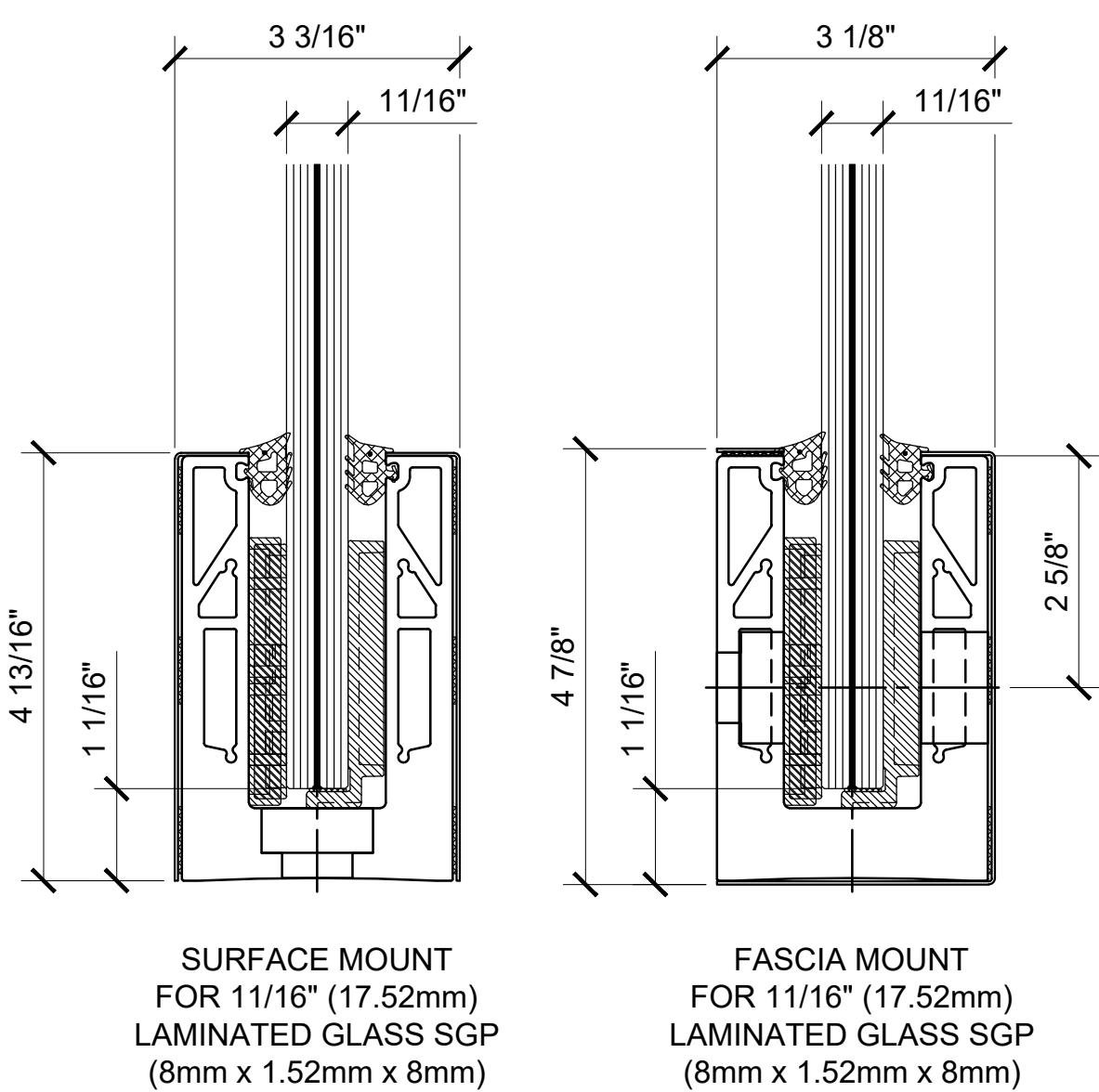
9BL56 SERIES BASE SHOE
LTL96X1 TAPER-LOC®



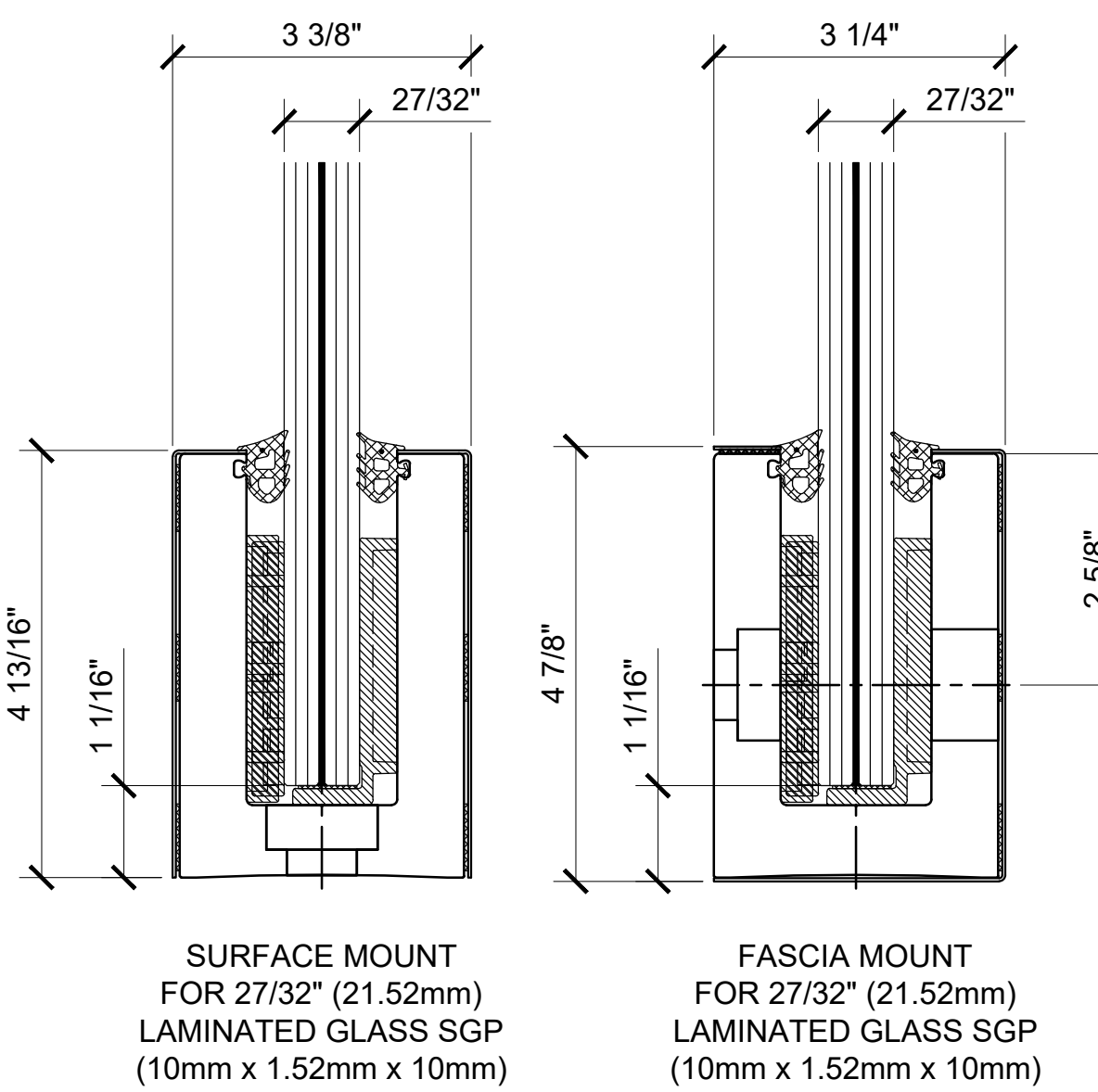
9BL56H SERIES BASE SHOE T-SLOT
LTL96X1 TAPER-LOC®



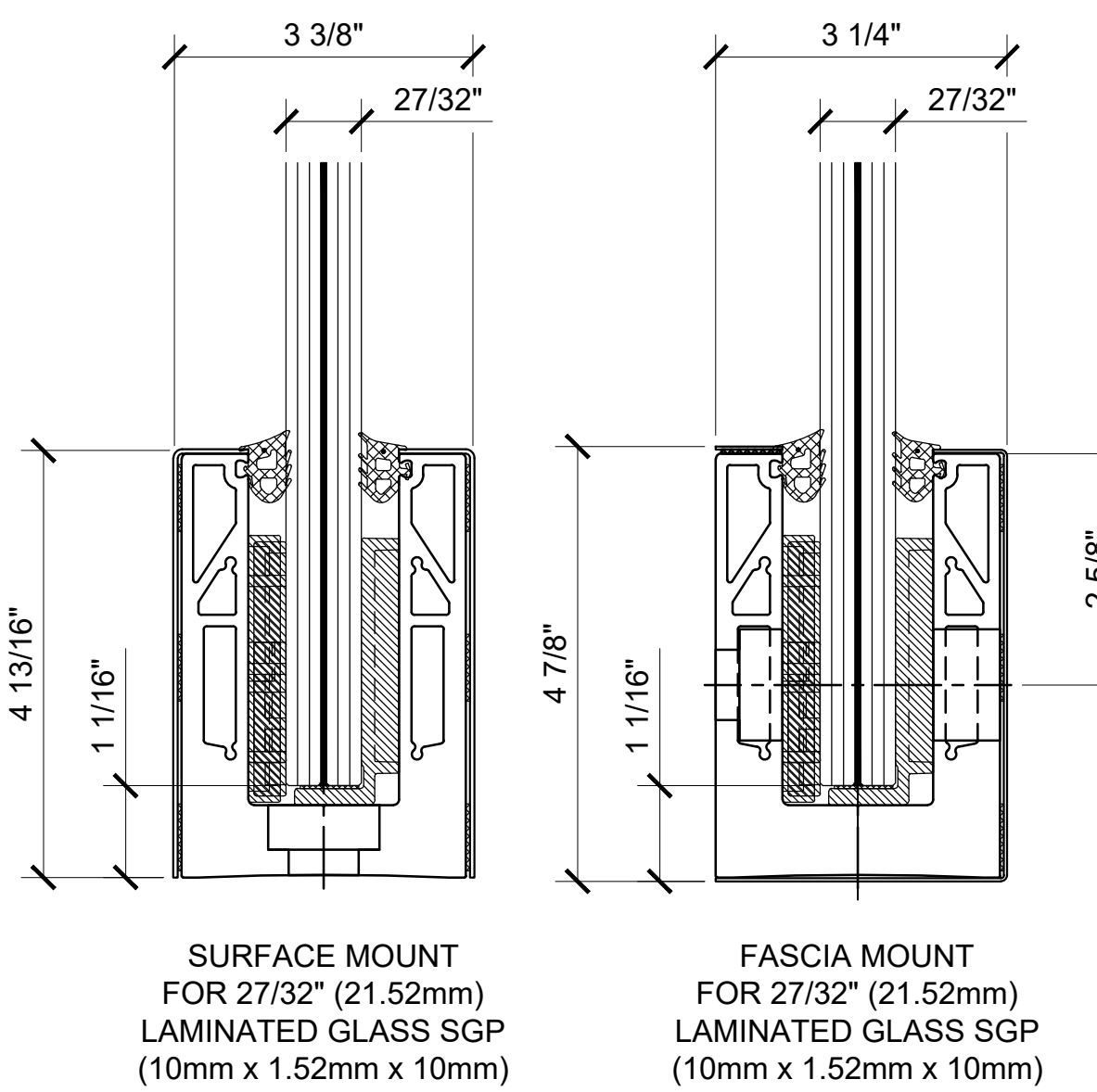
L68S SERIES BASE SHOE
LTL96X1 TAPER-LOC®



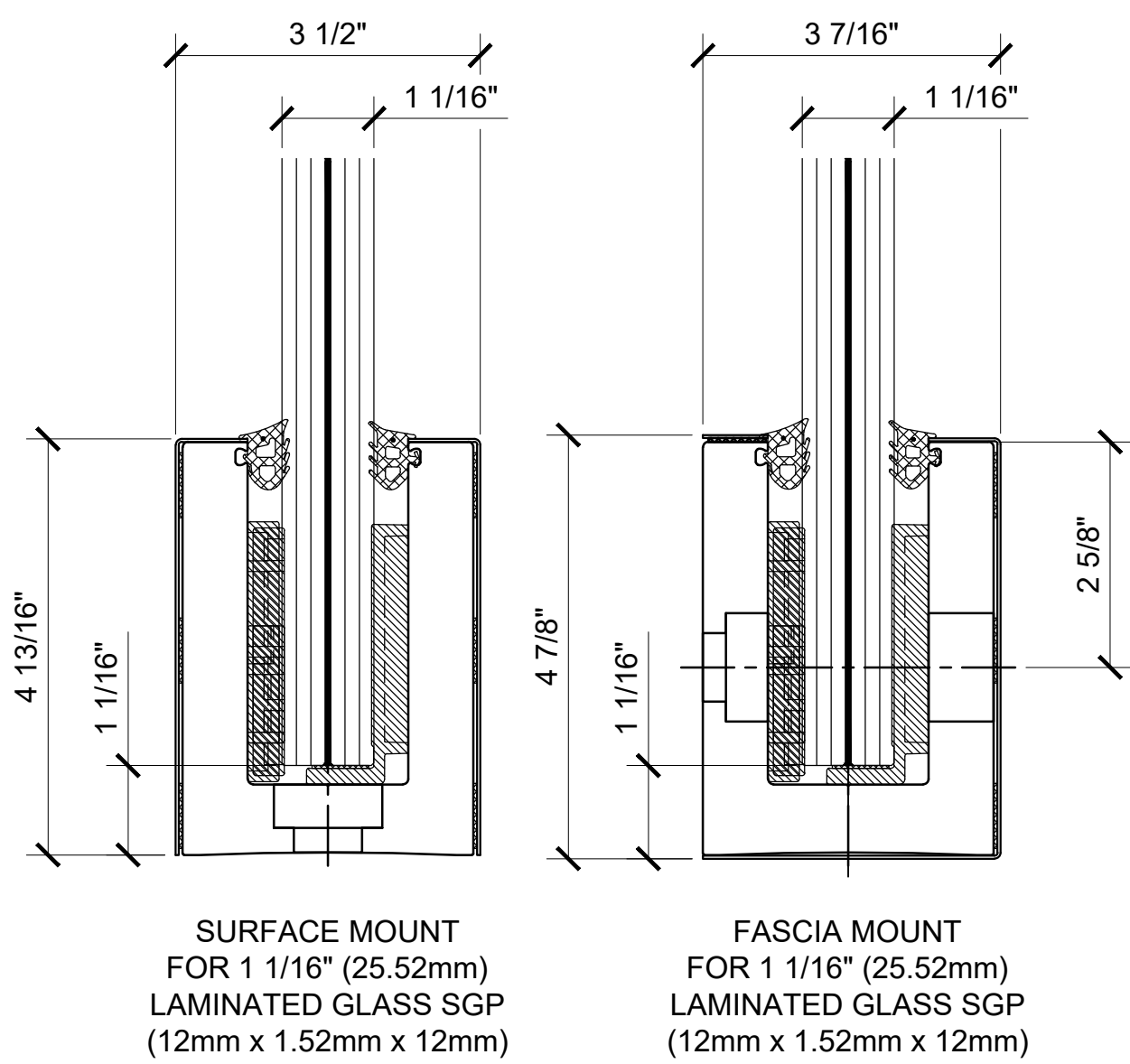
9BL68 SERIES BASE SHOE
LTL96X1 TAPER-LOC®



L21S SERIES BASE SHOE
LTL10X1 TAPER-LOC®



9BL21 SERIES BASE SHOE
LTL10X1 TAPER-LOC®



L25S SERIES BASE SHOE
LTL10X1 TAPER-LOC®

Revisions By:		
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2	-	-
1	03-07-22	RPD

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C.R. LAURENCE CO. ARCHITECTURAL PRODUCTS
2500 E. Vernon Avenue, Los Angeles, CA 90058-1897
PH: (800)-421-6144 FX: 800-587-7301 www.crlaurence.com

ICC ESR-3842

Description: **GRS**
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THK. GLASS

BASE SHOE OPTIONS
SURFACE & FASCIA MOUNT

Drawn By: JG / RPD
Date: 12/03/2021
Scale: AS NOTED
File Name: CRL_GRS Laminated Glass Railing System.dwg

Revisions By:

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4	-	-
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1	03-07-22	RPD

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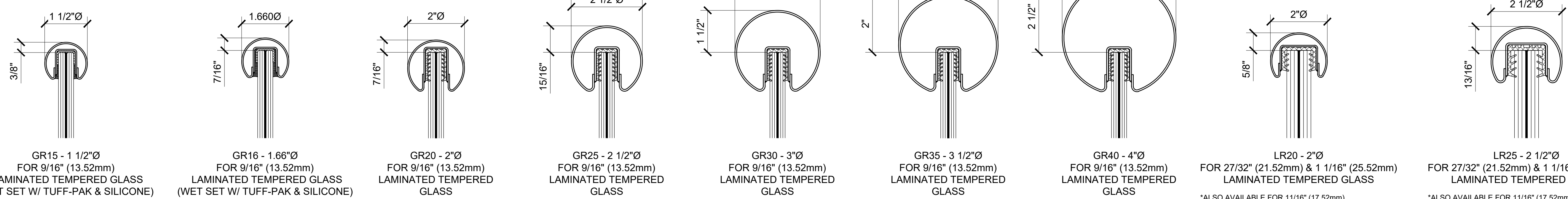
ICC ESR-3842

Description:
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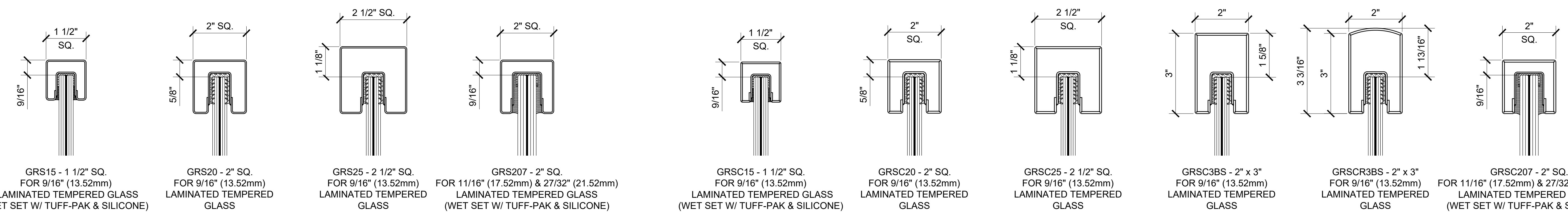
CAP RAIL OPTIONS

Drawn By: JG / RPD
Date: 12/03/2021
Scale: AS NOTED
File Name:
CRL.GRS Laminated Glass Railing System.dwg

Sheet

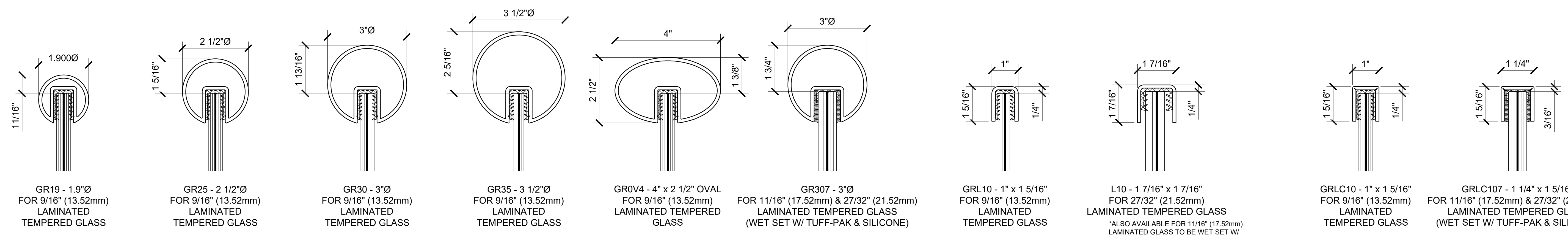


BUMP-FORMED & WELDED PREMIUM RADIUS PROFILE CAP RAIL



BUMP-FORMED & WELDED PREMIUM SQUARE PROFILE CAP RAIL

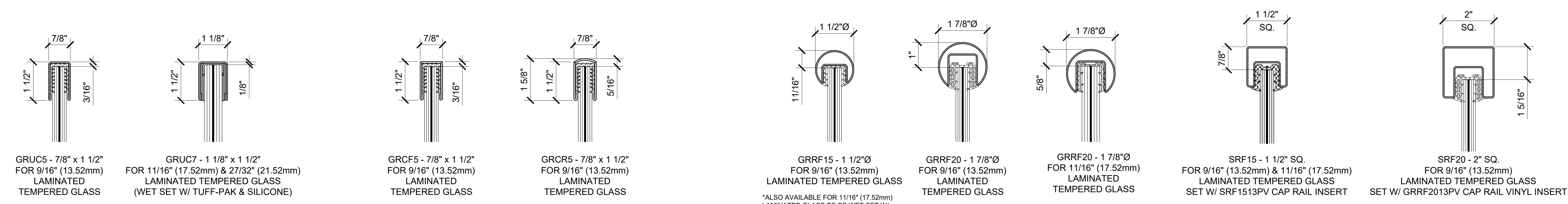
SQUARE PROFILE CRISP CORNER CAP RAIL



EXTRUDED ALUMINUM CAP RAIL

LOW PROFILE 11 GAUGE CAP RAIL

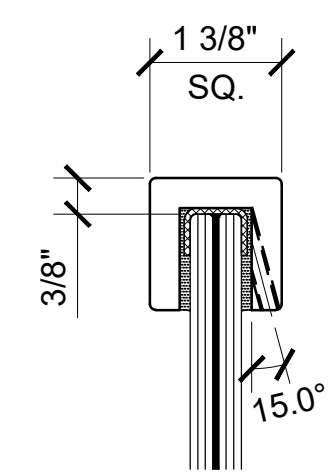
LOW PROFILE 11 GAUGE CRISP CORNER CAP RAIL



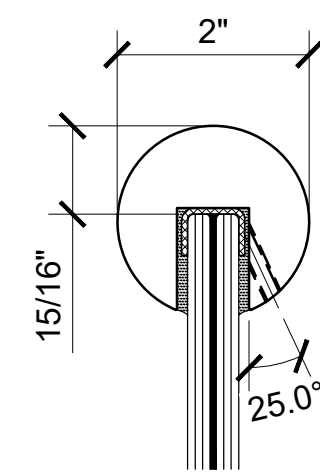
U-CHANNEL 18 GAUGE CAP RAIL

U-CHANNEL 18 GAUGE CRISP CORNER CAP RAIL

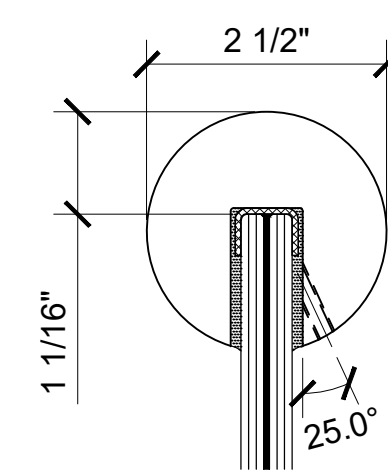
ROLL-FORMED CAP RAIL



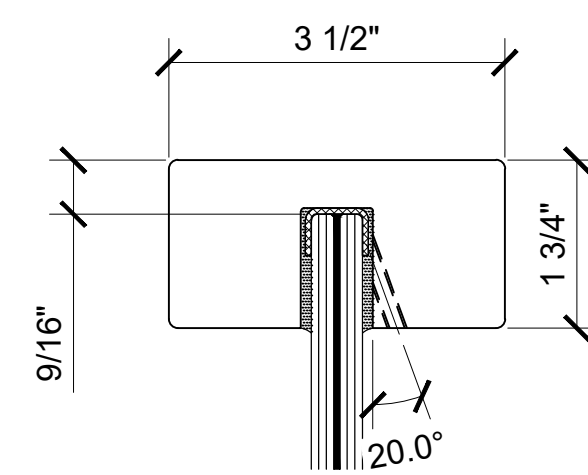
324 SERIES - 1 3/8" SQ.
FOR 9/16" (13.52mm)
LAMINATED TEMPERED GLASS
(WET SET W/
TUFF-PAK & SILICONE)



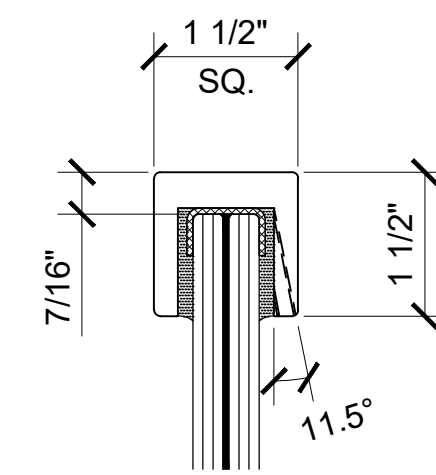
337 SERIES - 2"Ø
FOR 9/16" (13.52mm)
LAMINATED TEMPERED GLASS
(WET SET W/
TUFF-PAK & SILICONE)



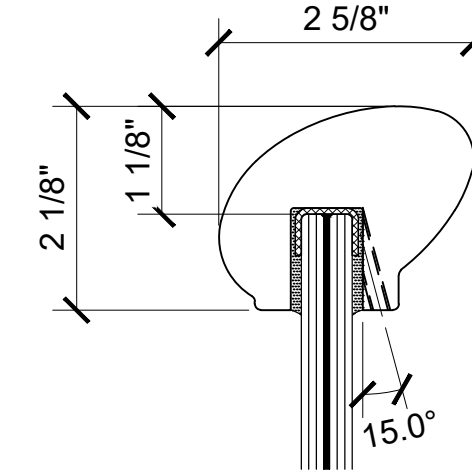
338 SERIES - 2 1/2" Ø
FOR 9/16" (13.52mm)
LAMINATED TEMPERED GLASS
(WET SET W/
TUFF-PAK & SILICONE)



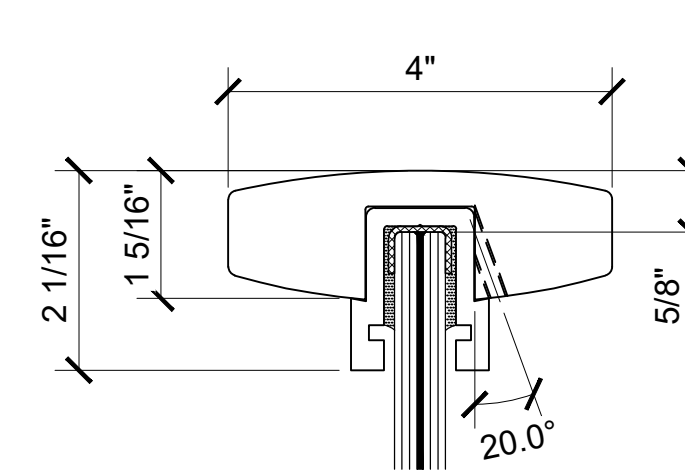
339 SERIES - 3 1/2" x 1 3/4"
FOR 9/16" (13.52mm)
LAMINATED TEMPERED GLASS
(WET SET W/
TUFF-PAK & SILICONE)



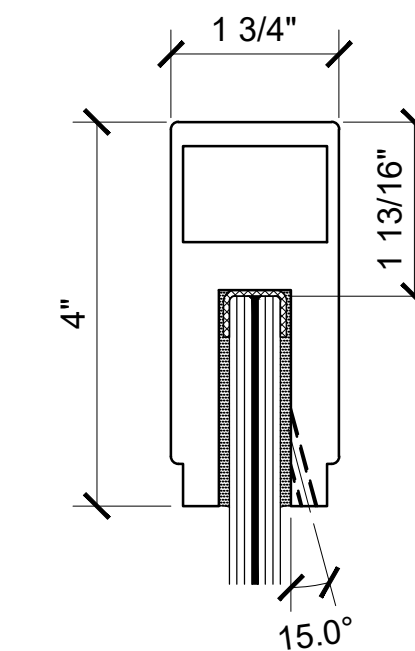
3243 SERIES - 1 1/2" SQ.
FOR 11/16" (21.52mm)
LAMINATED TEMPERED GLASS
(WET SET W/
TUFF-PAK & SILICONE)



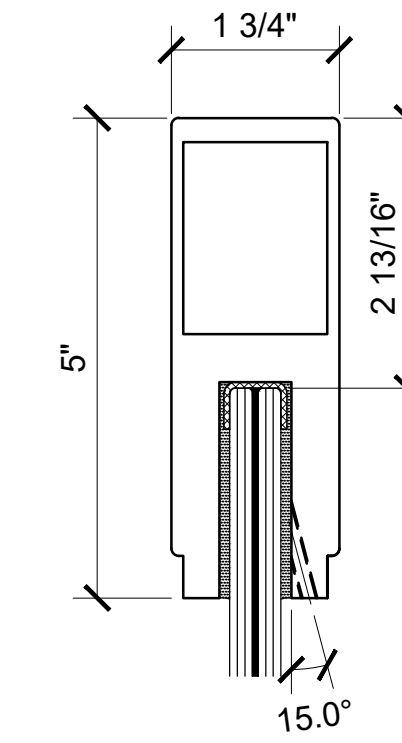
376 SERIES - ELLIPTICAL
FOR 9/16" (13.52mm)
LAMINATED TEMPERED GLASS
(WET SET W/
TUFF-PAK & SILICONE)



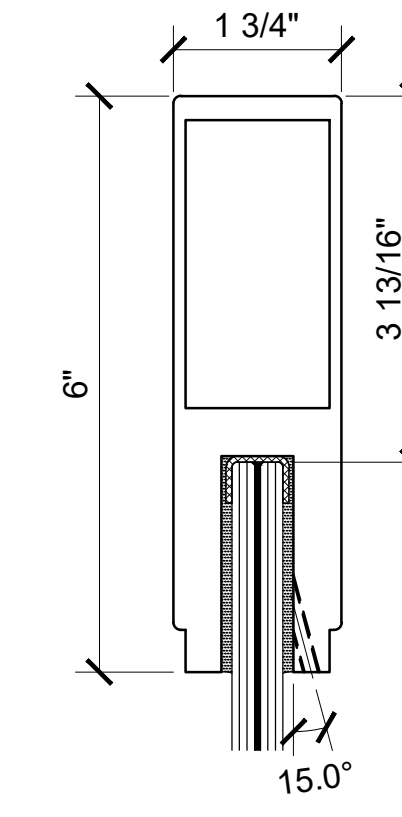
398 SERIES - 4" x 1 5/16"
FOR 9/16" (13.52mm)
LAMINATED TEMPERED GLASS
(WET SET W/
TUFF-PAK & SILICONE)



636 SERIES - 1 3/4" x 4"
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)



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

BLUMCRAFT ® EXTRUDED ALUMINUM CAP RAIL

BLUMCRAFT ® EXTRUDED SOLID ALUMINUM CAP RAIL

Revisions By:		
5	-	-
4	-	-
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1	03-07-22	RPD

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ICC
ES™
ESR-3842

Description: **GRS**
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THK. GLASS

CAP RAIL OPTIONS

Drawn By: JG / RPD
Date: 12/03/2021
Scale: AS NOTED
File Name:
CRL.GRS Laminated Glass Railing System.dwg

Sheet

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