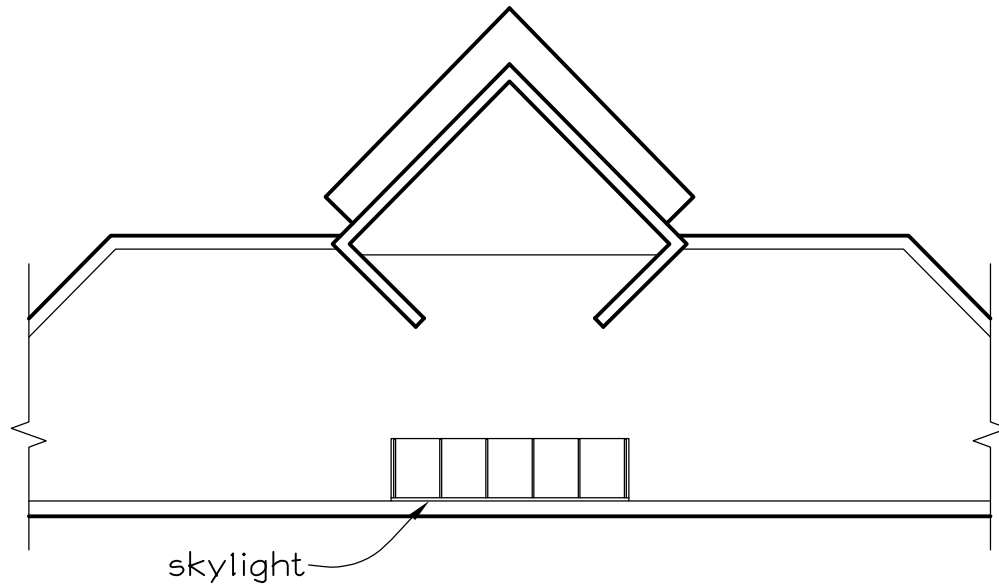


# Skylight Shop Drawings for NDSU-Library Entrance Remodel Building 12 1201 Albrecht Blvd., Fargo, ND 58102



Key Plan  
NTS

Product Data for Section 086300:

Glazing: 1/4" clear tempered outboard lite, low-E #2, airspace over 3/8" clear HS laminated safety glass inboard lite with clear .060" PVB interlayer. Sample submitted under separate cover.

Finish: Extruded aluminum members and flashings have an anodize finish (exterior surfaces) and a high performance organic finish (interior surfaces). Color selection from WSD's standard charts submitted under separate cover.

Warranty: Skylight system, including leakage, 1 year. Insulated glass against seal failure and delamination, 10 years.

Product Approval: Wisconsin Solar Design is an approved manufacturer per addendum #2.

Design Loadings: Concentrated Load= 250 lbs, SL=50 psf, WL=20 psf, DL=12 psf, Δ=L/180. See page 6 for framing bar properties. Maximum rafter span = 6'-0". The WSD skylight system is designed for 10'+ spans and the skylight detailed herein is certified by Fred Holtzman, AIA, PE, Structural Engineer for Wisconsin Solar Design, Inc., to be structurally adequate.

Test Reports: Thermal, water and air tests at wisconsinsolardesign.com

Installer Certification: Installers are full-time employees of WSD and are certified by the manufacturer.

NOTES:

1. Glazing Contractor. Please fill in guaranteed curb dimensions and initial on pages 2 of 6. These dimensions will be the basis of skylight fabrication.
2. General Contractor: Please provide chamfered pressure treated 2x plate per detail A on page 5 of 6. See pictorial of sill plate on page 6 of 6.

Manufacturer/Installer:

**WISCONSIN SOLAR DESIGN**



6349 Briarcliff Ln., Middleton, WI 53562

Project:

NDSU-Library Entrance Remodel, Building 12  
1201 Albrecht Blvd.  
Fargo, ND 58102

Architect:

Shultz & Associates  
612 1/2 Main Ave.  
Fargo, ND 58103

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Issued:  
6/10/15

Architect:  
Shultz & Associates  
612 1/2 Main Ave.  
Fargo, ND 58103

General Contractor:  
Lee Jones & Son Const.  
P.O. Box 9335  
Fargo, ND 58106

Glazing Contractor:  
Fargo Glass & Paint Co.  
1801 7th Ave North  
Fargo, ND 58102

INDEX:

1. Title Page/ Key Plan
2. Skylight Plan
3. Front Elevation
4. Endwall Elevation / X-Section
5. Details
6. Details

DRAWING APPROVAL:

We have reviewed these drawings and approve their use for construction of the skylights. Any comments or suggestions have been added to the drawings.

Architect:  
  
Shultz & Associates

name \_\_\_\_\_

title \_\_\_\_\_

General Contractor:  
  
Lee Jones & Son Const.

name \_\_\_\_\_

title \_\_\_\_\_

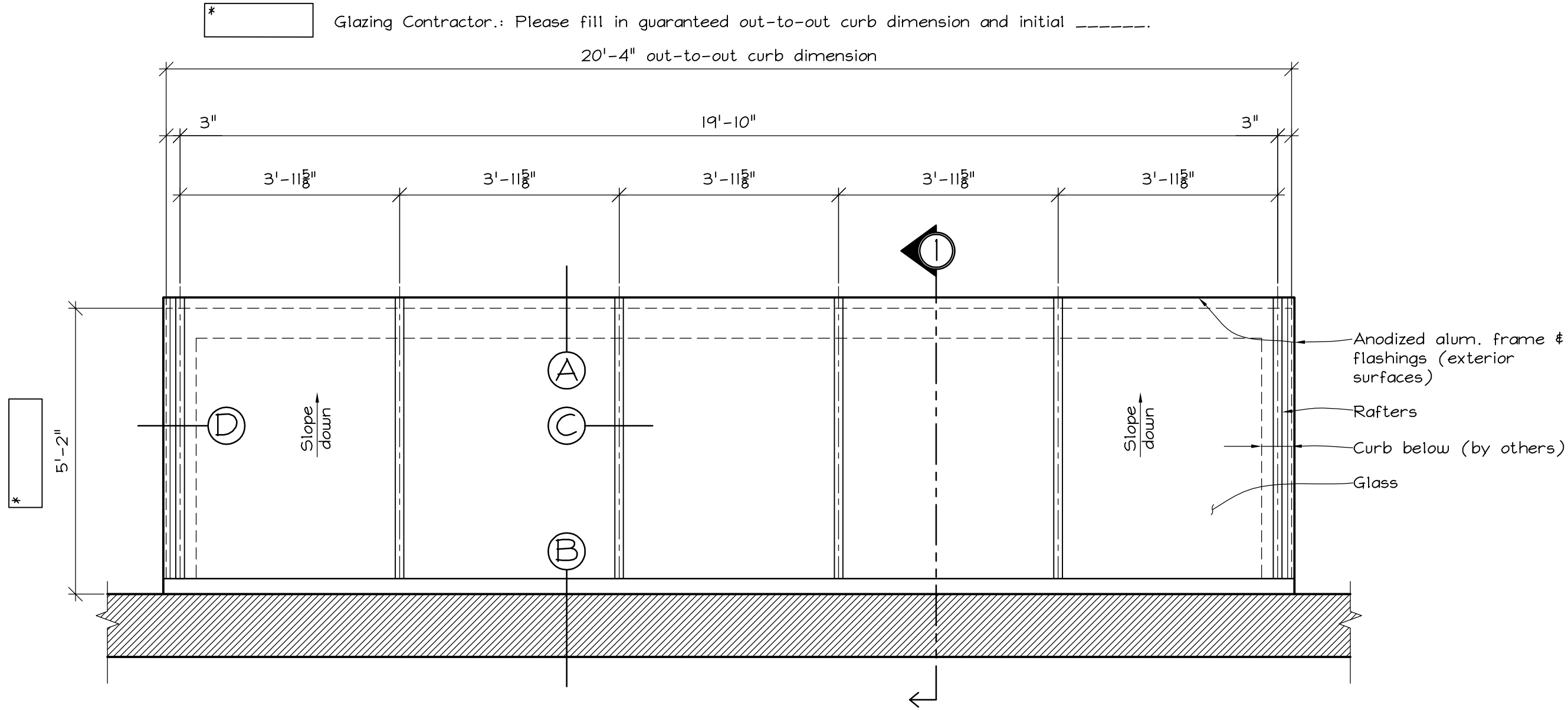
Glazing Contractor:  
  
Fargo Glass & Paint


name \_\_\_\_\_

title \_\_\_\_\_

Drawings prepared by: Jorge Medina, WSD


Glazing Contractor.: Please fill in guaranteed out-to-out curb dimension and initial -----.



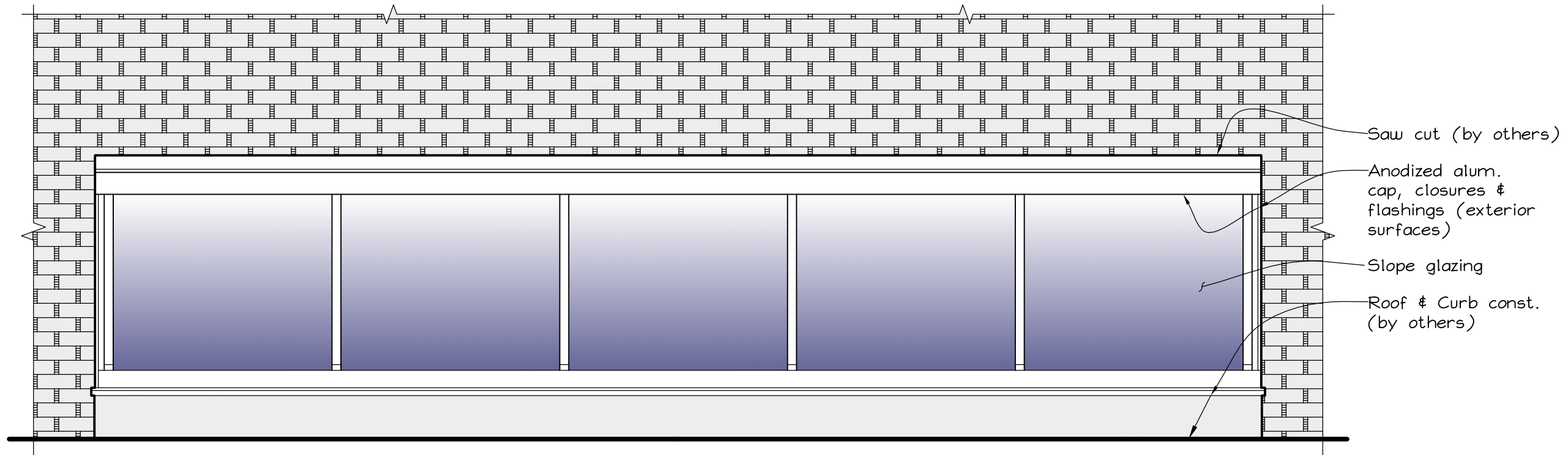
 **Skylight Plan**  
scale: 1/2" = 1'-0"

Architect:  
Shultz & Associates  
612 1/2 Main Ave.  
Fargo, ND 58103

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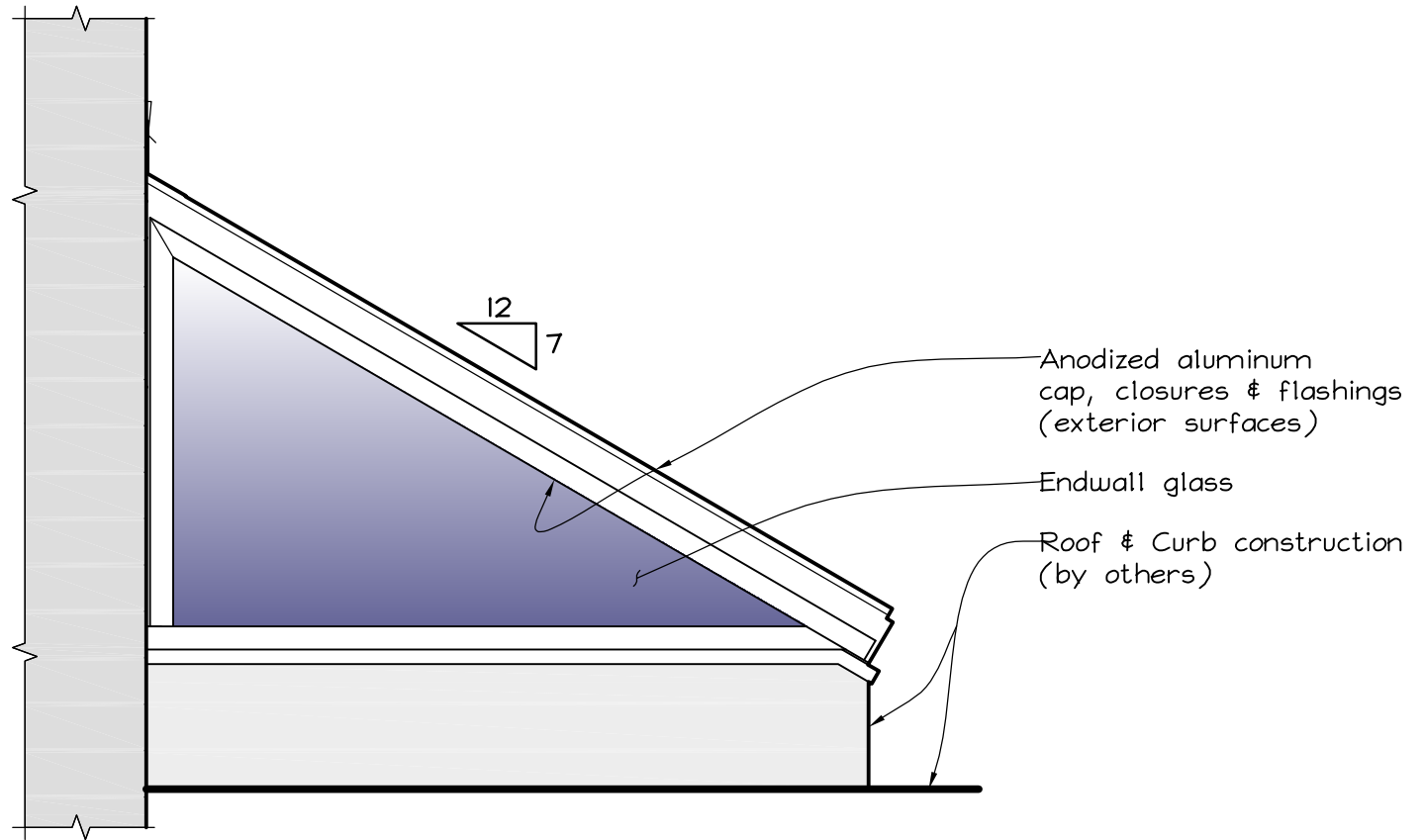
North Elevation  
 scale: 1/2" = 1'-0"

Manufacturer/Installer:  
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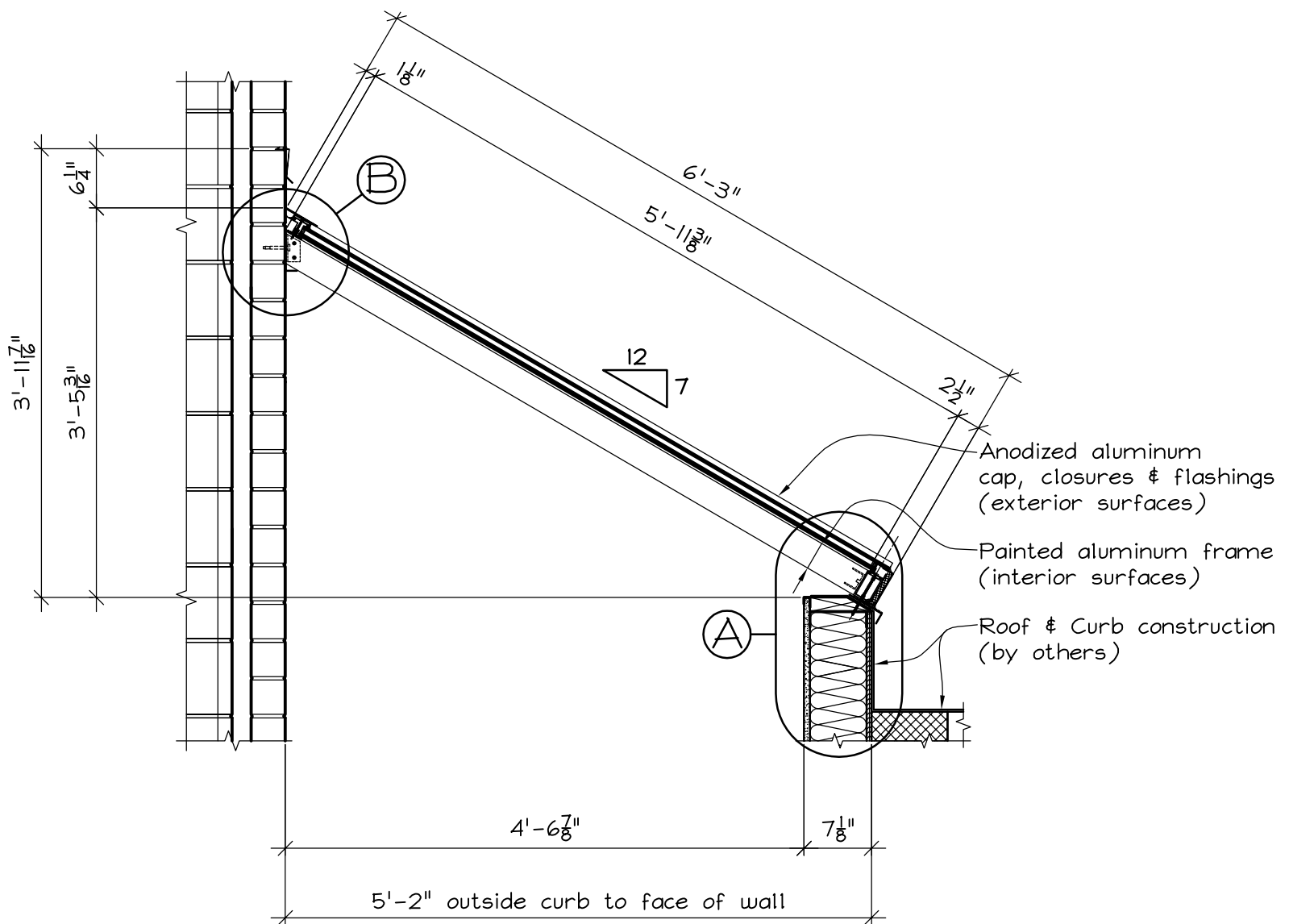
Architect:  
 Shultz & Associates  
 612 1/2 Main Ave.  
 Fargo, ND 58103

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 Issued:  
 6/10/15



East/West Elevation

scale:  $\frac{3}{4}$ " = 1'-0"  
 East thus, West opp. hd.



① Cross-Section

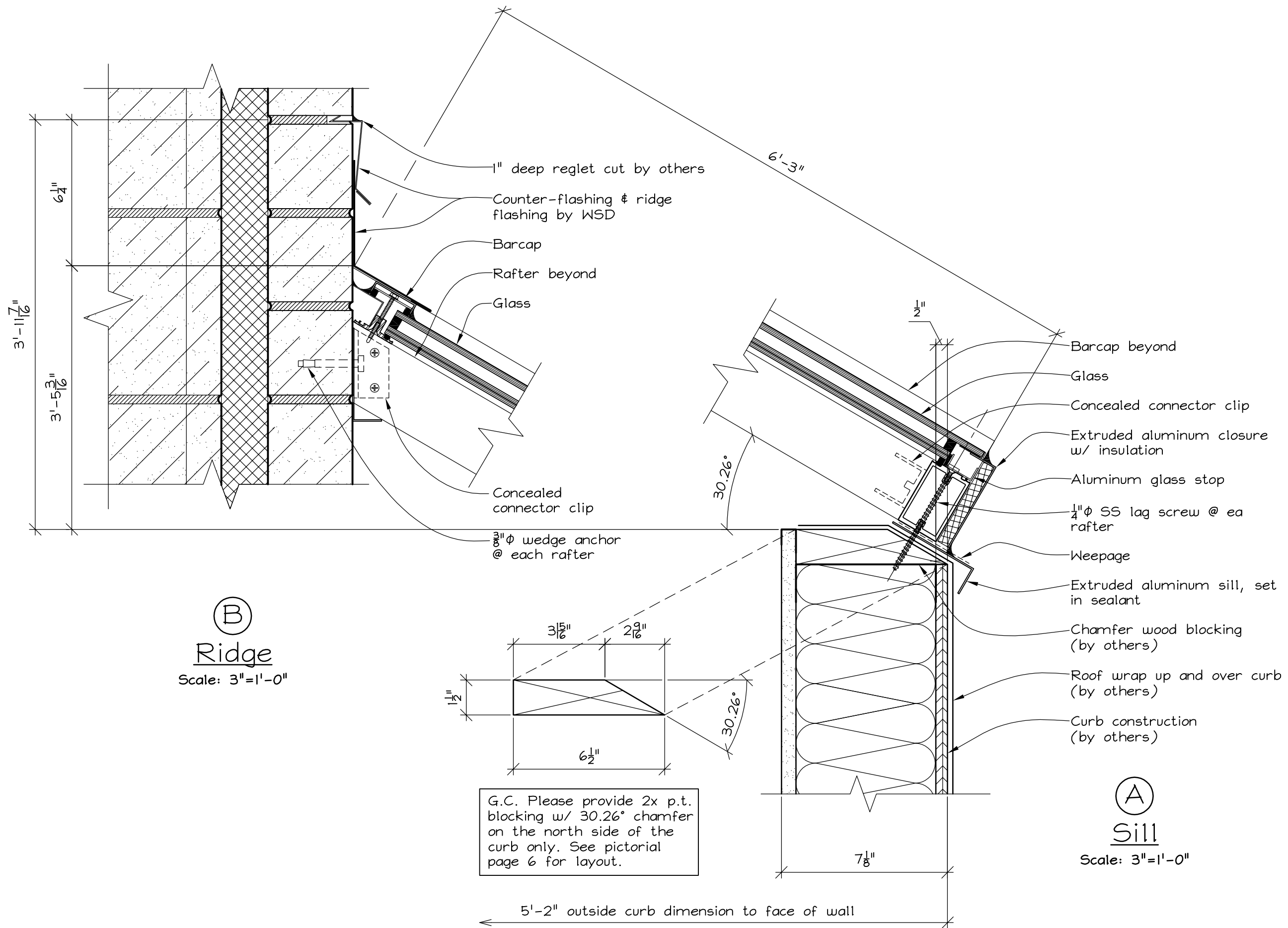
scale:  $\frac{3}{4}$ " = 1'-0"

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**(B)**  
**Ridge**  
 Scale: 3"=1'-0"

G.C. Please provide 2x p.t. blocking w/ 30.26° chamfer on the north side of the curb only. See pictorial page 6 for layout.

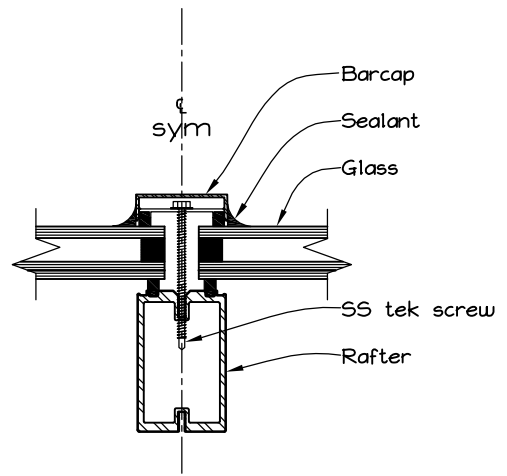
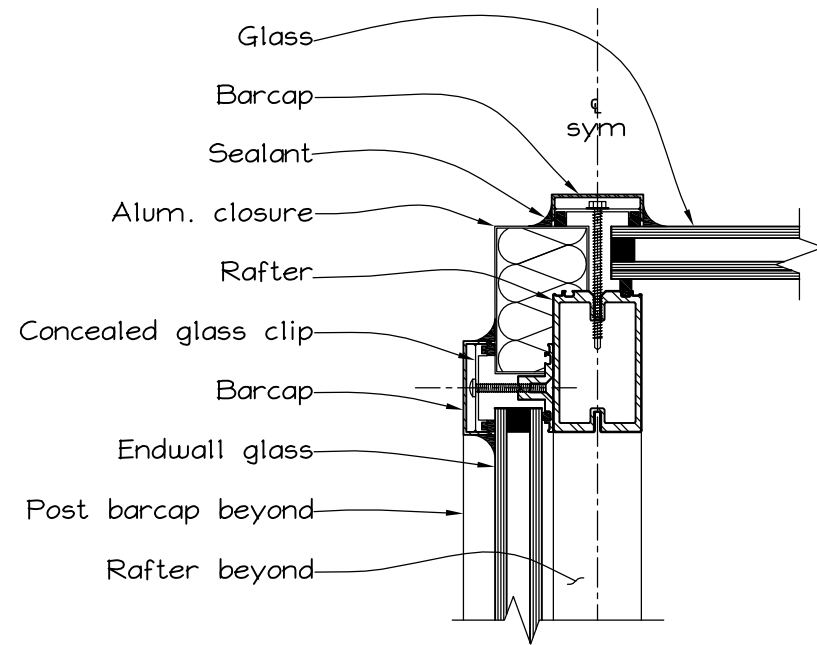
**(A)**  
**Sill**  
 Scale: 3"=1'-0"

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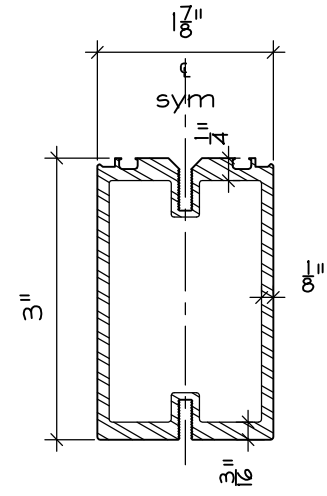
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 Shultz & Associates  
 612 1/2 Main Ave.  
 Fargo, ND 58103

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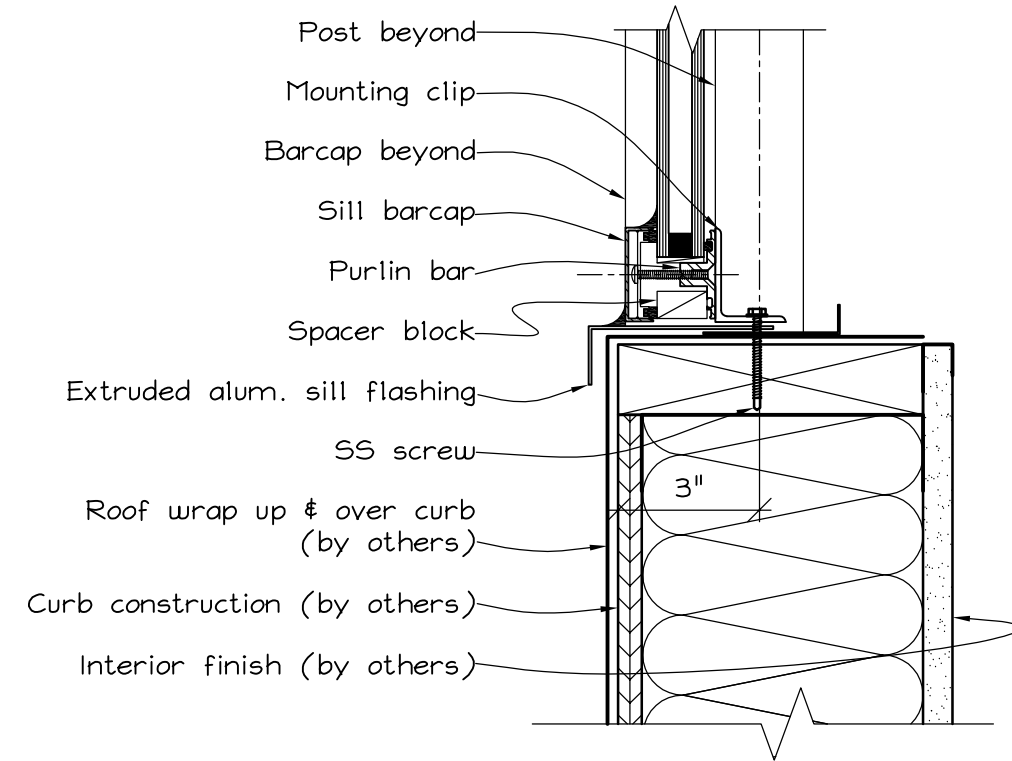
Rafter Structural Properties:

Wgt/ft	=	1.76 # <sub>2</sub>
A	=	1.48 in <sub>4</sub>
I <sub>x</sub>	=	1.83 in <sub>3</sub>
S <sub>x</sub>	=	1.22 in



©  
Rafter  
Scale: 3" = 1'-0"

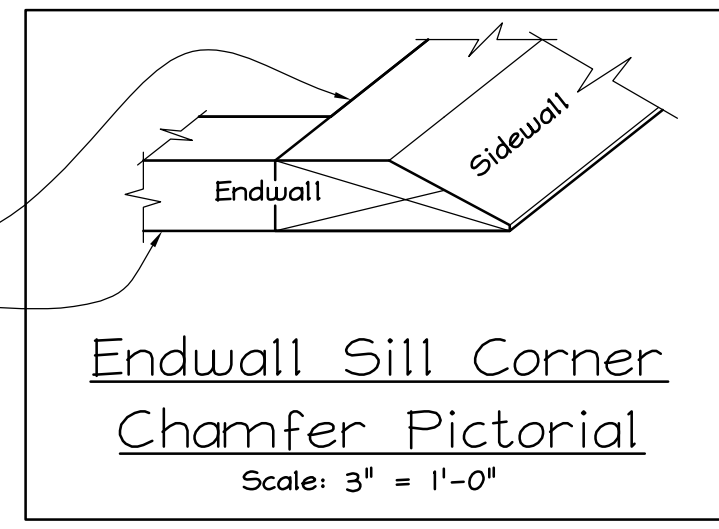
Rafter properties  
Scale: 6" = 1'-0"



G.C: Please provide a P.T. 2x top plate with a 7:12 chamfer on the sidewall

No chamfer @ endwalls

©  
Endwall  
Scale: 3" = 1'-0"



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