

PLEASE NOTE

ALL DETAILS AS SHOWN ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE PER ACURLITE PROJECT PROPOSAL, SPECIFIC SITE CONDITIONS, ACURLITE P.E. ANALYSIS, AND GOVERNING CODE REQUIREMENTS.

acurlite.com sales@acurlite.com

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570.759.6882

STANDARD SYSTEM DETAILS

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SAMPLE

OPTIONS FOR VISUAL ENHANCEMENT

- STANDARD & CUSTOM FINISHES (Paint, Anodize & Powder Coat Available)
- SHADES/LOUVERS PANELS BIPV/DYNAMIC GLAZING (Consult Factory For Your Project Specific Requirements)

VARIABLE SLOPE - ALL PITCHES AVAILABLE (Consult Factory - Based On Project Specific Conditions)

INSULATED LAMINATED / LAMINATED GLAZING INCLUDES ALL BACKER ROD & GLAZING SEALANTS

(Max Unit Size & Required Thickness - Per AAMA Guidelines) (Glazing Calculations Provided For Additional Cost)

EXTRUDED ALUM. COVER CAP & PRESSURE CAP W/ GASKET

ALUM. GLASS REST & SILICONE SETTING BLOCK (Located At Quarter Points - 2 Per Bay)

SILICONE GASKET

STRUCTURAL SEAL FLANGE - IF REQUIRED (Factory Applied To Purlin - 1/4-20 x 3/4" Flat Head Screw)

EXTRUDED ALUMINUM PURLIN

(2 1/2" Width - Depth/Reinforcement Per Acurlite P.E. Analysis)

EXTRUDED ALUMINUM RAFTER

(2 1/2" Width - Depth/Reinforcement Per Acurlite P.E. Analysis)

OPTIONS FOR THERMAL ENHANCEMENT

DETAILS AS SHOWN ARE TYPICAL & FOR REFERENCE (Consult Factory for Additional Modification & Performance Improvements)

> INSULATED CLOSURE - FOR ADDITIONAL COST (Factory Assembly Includes Rigid Insulation & Formed Backer)

MINERAL WOOL TO FILL VOIDS - FOR ADDITIONAL COST (Standard Batt Type - Installer To Ensure System Weep Path Is NOT Blocked)

SILL LUG

(Lug Size, Type & Locations Per Acurlite P.E. Analysis)

FORMED EXTERIOR CLOSURE - 1/16" ALUM. STANDARD (Consult Factory For Optional Thickness & Materials) (Typical Splice Shown As Dashed Line - Locate As Required)

> FORMED SILL PAN - 1/16" ALUM. STANDARD (Consult Factory For Optional Thickness & Materials)

SPONGE GASKET - FACTORY APPLIED TO SILL PAN (3/4" Void At System Weep As Required)

CURB / SUBSTRUCTURE BY OTHERS

DETAILS / MATERIALS PER CONTRACT DOCUMENTS (Not By Acurlite - Provided By Others)

> ISOLATION/WATERPROOF MEMBRANE (Not By Acurlite - Provided By Others)

PROPER SUBSTRATE REQUIRED FOR ATTACHMENT (Not By Acurlite - Provided By Others)

INSTALLATION

- FASTENERS PROVIDED BY ACURLITE (Fastener Size & Type Per Acurlite P.E. Analysis Unless Noted)
- INSTALL GLAZING PER INDUSTRY STANDARDS (Follow GANA Guidelines & Acurlite Installation Manual)
- USE SPECIFIED DOW CORNING SILICONE (Per Acurlite P.E. Analysis & Installation Manual)

SNAP ON COVER CAP

(Not Required For Water Tightness)

FASTEN PRESSURE CAP TO RAFTER & APPLY SEAL

BACKER ROD & CONTINUOUS SEAL

APPLY CONT. STRUCTURAL SEAL - IF REQUIRED

FASTEN EXTERIOR CLOSURE TO PURLIN / FLANGE

FASTEN PURLIN ASSEMBLY TO RAFTER

FASTEN EXTERIOR CLOSURE TO SILL PAN (Use #10 x 1/2" Pan Head S.M.S. - Locate 12" O.C. Typical)

FASTEN RAFTER ASSEMBLY TO LUGS - IF REQ.

FASTEN SILL LUG TO CURB

(Seal In & Around Lug & Fastener)

FULL BEARING SHIM - IF REQUIRED

(1/4" Max. Shim Space Typical - Unless Noted Otherwise) (Not by Acurlite - Provided By Others)

INSTALL SILL PAN IN BED OF SEALANT

PLEASE NOTE

IMPOSED BY SKYLIGHT

CURB SHOULD BE PLUMB, LEVEL & SQUARE PER INDUSTRY STANDARD TOLERANCES

ALL ROOFING, TERMINATION BARS, REGLETS, COUNTER FLASHINGS & FLASHINGS NOT INTEGRAL TO SKYLIGHT SYSTEM FUNCTION

CURB MUST RESIST ALL LOADS/REACTIONS (Reactions Provided By Acurlite P.E.)

(Responsible E.O.R. to Verify and Approve)

(Max Allowed ±1/8" PER 12' - 0" - Unless Noted Otherwise) (Not By Acurlite - Provided By Others)

(Not By Acurlite - Provided By Others)

ALL DETAILS AS SHOWN ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE PER ACURLITE PROJECT PROPOSAL, SPECIFIC SITE

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CONDITIONS, ACURLITE P.E.

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STANDARD SYSTEM **DETAILS**

6'' = 1' - 0''

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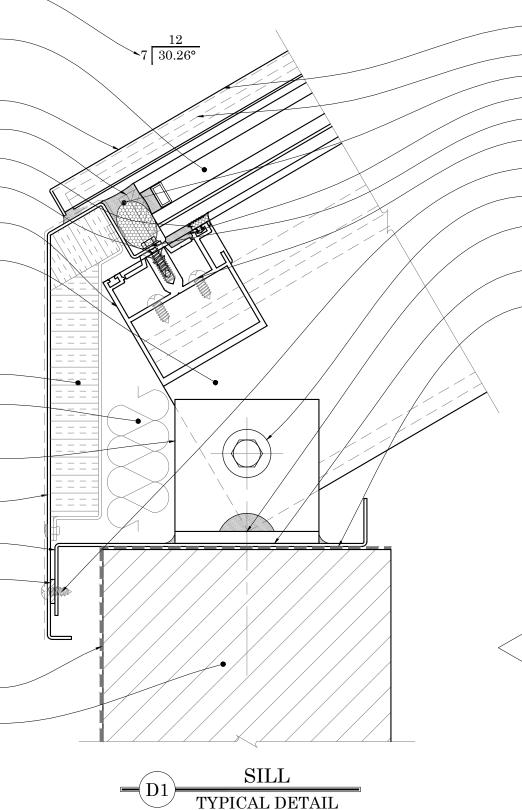
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OPTIONS FOR VISUAL ENHANCEMENT

STANDARD & CUSTOM FINISHES (Paint, Anodize & Powder Coat Available)

SHADES/LOUVERS - PANELS - BIPV/DYNAMIC GLAZING (Consult Factory For Your Project Specific Requirements)

VARIABLE SLOPE - ALL PITCHES AVAILABLE (Consult Factory - Based On Project Specific Conditions)

INSULATED LAMINATED / LAMINATED GLAZING INCLUDES ALL BACKER ROD & GLAZING SEALANTS

(Max Unit Size & Required Thickness - Per AAMA Guidelines) (Glazing Calculations Can Be Provided For Additional Cost)

ALUM. GLASS REST & SILICONE SETTING BLOCK (Located At Quarter Points - 2 Per Bay)

STRUCTURAL SEAL FLANGE FASTENED TO PURLIN (Factory Applied To Purlin - 1/4-20 x 3/4" Flat Head Screw)

SILICONE GASKET

EXTRUDED ALUM. PURLIN

(2 1/2" Width - Depth/Reinforcement Per Acurlite P.E. Analysis)

EXTRUDED ALUM. RAFTER

(2 1/2" Width - Depth/Reinforcement Per Acurlite P.E. Analysis)

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- FASTENERS PROVIDED BY ACURLITE
- (Fastener Size & Type Per Acurlite P.E. Analysis Unless Noted)
- INSTALL GLAZING PER INDUSTRY STANDARDS
- USE SPECIFIED DOW CORNING SILICONE

SNAP ON COVER CAP

FASTEN PRESSURE CAP TO RAFTER & APPLY SEAL

APPLY CONT. STRUCTURAL SEAL - IF REQUIRED

FASTEN PURLIN ASSEMBLY TO RAFTER

INSTALLATION

(Follow GANA Guidelines & Acurlite Installation Manual)

(Per Acurlite P.E. Analysis & Installation Manual)

(Not Required For Water Tightness)

BACKER ROD & CONTINUOUS SEAL

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STANDARD SYSTEM **DETAILS**

6'' = 1' - 0''

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PURLIN TYPICAL DETAIL

TYPICAL DETAIL

SE NOTE

all details as shown are for referenc only and subject to change per acurlite project proposal, specific si

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STANDARD SYSTEM DETAILS

SCALE

6'' = 1' - 0''

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DETAILS / MATERIALS PER CONTRACT DOCUMENTS (Not By Acurlite - Provided By Others)

> ISOLATION/WATERPROOF MEMBRANE (Not By Acurlite - Provided By Others)

> > COUNTER FLASHING & REGLETS (Not By Acurlite - Provided By Others)

PROPER SUBSTRATE REQUIRED FOR ATTACHMENT (Not By Acurlite - Provided By Others)

INSTALLATION

FASTENERS PROVIDED BY ACURLITE (Fastener Size & Type Per Acurlite P.E. Analysis Unless Noted)

INSTALL GLAZING PER INDUSTRY STANDARDS (Follow GANA Guidelines & Acurlite Installation Manual)

> USE SPECIFIED DOW CORNING SILICONE \blacksquare (Per Acurlite P.E. Analysis & Installation Manual)

FASTEN EXTERIOR CLOSURE TO CURB (Shim & Seal As Required)

> SNAP ON COVER CAP (Not Required For Water Tightness)

FASTEN EXTERIOR CLOSURE TO ANGLE SPACER (Not By Acurlite - Provided By Others)

FASTEN PRESSURE CAP TO RAFTER & APPLY SEAL

LAP MEMBRANE INTO SYSTEM (Not By Acurlite - Provided By Others)

FASTEN PURLIN ASSEMBLY TO RAFTER BACKER ROD & CONTINUOUS SEAL

FORMED EXTERIOR CLOSURE - 1/16" ALUM. STANDARD (Consult Factory For Optional Thickness & Materials) (Typical Splice Shown As Dashed Line - Locate As Required)

EXTRUDED ALUM. COVER CAP & PRESSURE CAP W/ GASKET

FORMED ANGLE SPACER - 1/16" ALUM. STANDARD (Consult Factory For Optional Thickness & Materials) (Factory Applied To Rafter)

SILICONE GASKET

EXTRUDED ALUM. PURLIN

(2 1/2" Width - Depth/Reinforcement Per Acurlite P.E. Analysis)

EXTRUDED ALUM. RAFTER

(2 1/2" Width - Depth/Reinforcement Per Acurlite P.E. Analysis)

OPTIONS FOR VISUAL ENHANCEMENT

STANDARD & CUSTOM FINISHES

(Paint, Anodize & Powder Coat Available)

SHADES/LOUVERS - PANELS - BIPV/DYNAMIC GLAZING (Consult Factory for your project specific needs)

VARIABLE SLOPE - ALL PITCHES AVAILABLE

(Consult Factory - Based On Project Specific Conditions)

INSULATED LAMINATED / LAMINATED GLAZING INCLUDES ALL BACKER ROD & GLAZING SEALANTS

(Max Unit Size & Required Thickness - Per AAMA Guidelines) (Glazing Calculations Can Be Provided For Additional Cost)

PLEASE NOTE

CURB MUST RESIST ALL LOADS/REACTIONS IMPOSED BY SKYLIGHT

(Reactions Provided By Acurlite P.E.) (Responsible E.O.R. to Verify and Approve)

CURB SHOULD BE PLUMB, LEVEL & SQUARE PER INDUSTRY STANDARD TOLERANCES

(Max Allowed ±1/8" PER 12' - 0" - Unless Noted Otherwise) (Not By Acurlite - Provided By Others)

ALL ROOFING, TERMINATION BARS, REGLETS, COUNTER FLASHINGS & FLASHINGS NOT INTEGRAL TO SKYLIGHT SYSTEM FUNCTION

(Not By Acurlite - Provided By Others)

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STANDARD SYSTEM **DETAILS**

6'' = 1' - 0''

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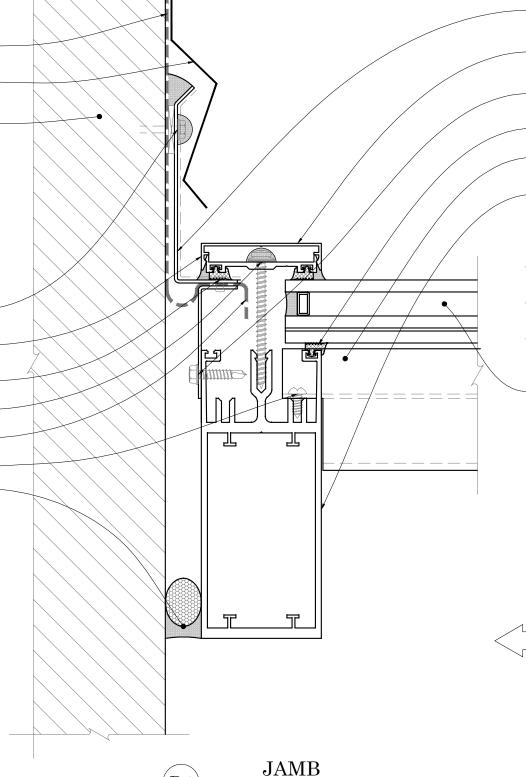
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TYPICAL DETAIL



SHADES/LOUVERS - PANELS - BIPV/DYNAMIC GLAZING (Consult Factory for your project specific needs)

VARIABLE SLOPE - ALL PITCHES AVAILABLE (Consult Factory - Based On Project Specific Conditions)

INSULATED LAMINATED / LAMINATED GLAZING INCLUDES ALL BACKER ROD & GLAZING SEALANTS (Max Unit Size & Required Thickness - Per AAMA Guidelines) (Glazing Calculations Can Be Provided For Additional Cost)

> EXTRUDED ALUM. COVER CAP & PRESSURE CAP W/ GASKET

> > SILICONE GASKET EXTRUDED ALUM. PURLIN

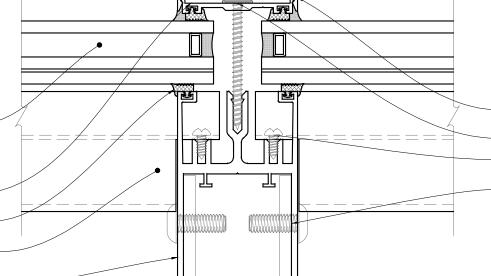
(2 1/2" Width - Depth/Reinforcement Per Acurlite P.E. Analysis)

EXTRUDED ALUM. RAFTER

(2 1/2" Width - Depth/Reinforcement Per Acurlite P.E. Analysis)

ALUM. GUSSET PLATES

(Size & Type Per Acurlite P.E. Analysis)



FASTENERS PROVIDED BY ACURLITE (Fastener Size & Type Per Acurlite P.E. Analysis Unless Noted)

INSTALL GLAZING PER INDUSTRY STANDARDS (Follow GANA Guidelines & Acurlite Installation Manual)

USE SPECIFIED DOW CORNING SILICONE (Per Acurlite P.E. Analysis & Installation Manual)

SNAP ON COVER CAP (Not Required for Water tightness)

FASTEN PRESSURE CAP TO RAFTER & APPLY SEAL

FASTEN PURLIN ASSEMBLY TO RAFTER

FASTEN RAFTER ASSEMBLIES TOGETHER - IF REQ. (Gusset Factory Applied to (1) Rafter Assembly Of Each Pair)

INSTALLATION

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STANDARD SYSTEM **DETAILS**

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RAFTER TYPICAL DETAIL STANDARD & CUSTOM FINISHES (Paint, Anodize & Powder Coat Available)

SHADES/LOUVERS - PANELS - BIPV/DYNAMIC GLAZING (Consult Factory for your project specific needs)

> VARIABLE SLOPE - ALL PITCHES AVAILABLE (Consult Factory - Based On Project Specific Conditions)

INSULATED LAMINATED / LAMINATED GLAZING INCLUDES ALL BACKER ROD & GLAZING SEALANTS

(Max Unit Size & Required Thickness - Per AAMA Guidelines) (Glazing Calculations Can Be Provided For Additional Cost)

> EXTRUDED ALUM. COVER CAP & PRESSURE CAP W/ SPONGE GASKET

> > SILICONE GASKET

EXTRUDED ALUM. JACK RAFTER

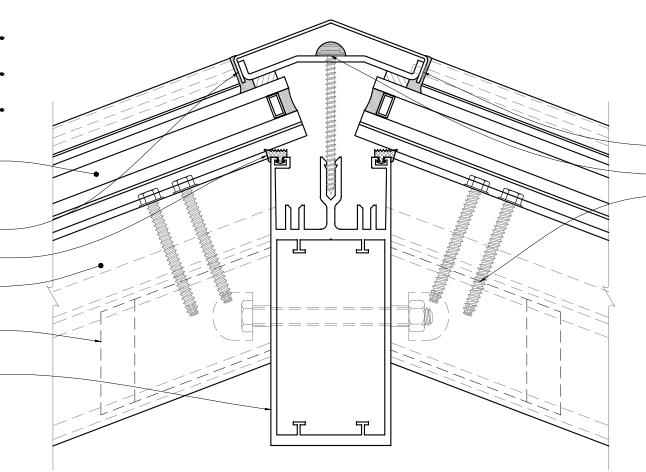
(2 1/2" Width - Depth/Reinforcement Per Acurlite P.E. Analysis)

INTERNAL ALUMINUM SPIGOT BAR

(Factory Applied To Hip Rafter) (Size & Type Per Acurlite P.E. Analysis)

EXTRUDED ALUM. HIP RAFTER

(2 1/2" Width - Depth/Reinforcement Per Acurlite P.E. Analysis)



INSTALLATION

- FASTENERS PROVIDED BY ACURLITE (Fastener Size & Type Per Acurlite P.E. Analysis Unless Noted)
- INSTALL GLAZING PER INDUSTRY STANDARDS (Follow GANA Guidelines & Acurlite Installation Manual)
- USE SPECIFIED DOW CORNING SILICONE (Per Acurlite P.E. Analysis & Installation Manual)

FORMED COVER CAP - FASTEN WITH POP RIVETS (Not Required for Water tightness)

FASTEN PRESSURE CAP TO RAFTER & APPLY SEAL FASTEN JACK RAFTER ASSEMBLY TO SPIGOT

ALL DETAILS AS SHOWN ARE FOR REFERENCE

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STANDARD SYSTEM

DETAILS

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HIP RAFTER TYPICAL DETAIL

OPTIONS FOR VISUAL ENHANCEMENT

- STANDARD & CUSTOM FINISHES (Paint, Anodize & Powder Coat Available)
- SHADES/LOUVERS PANELS BIPV/DYNAMIC GLAZING
 (Consult Factory for your project specific needs)
 - VARIABLE SLOPE ALL PITCHES AVAILABLE (Consult Factory Based On Project Specific Conditions)
 - $\begin{array}{c} \text{INSULATED LAMINATED / LAMINATED GLAZING} \\ \text{INCLUDES ALL BACKER ROD \& GLAZING SEALANTS} \end{array} \textbf{.} \\$
 - (Max Unit Size & Required Thickness Per AAMA Guidelines) (Glazing Calculations Can Be Provided For Additional Cost)

EXTRUDED ALUMINUM RAFTER

(2 1/2" Width - Depth/Reinforcement Per Acurlite P.E. Analysis)

EXTRUDED ALUMINUM INTERNAL LUG (Factory Applied To Rafter - 3/8" x 1" Truss Head)

EXTRUDED ALUM. COMPRESSION RING (Sized/Reinforced Per Acurlite P.E. Analysis)

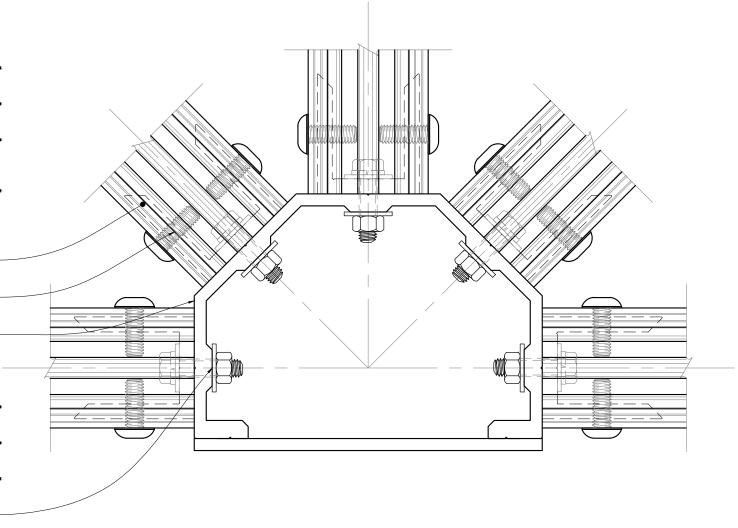
INSTALLATION

FASTENERS PROVIDED BY ACURLITE

- (Fastener Size & Type Per Acurlite P.E. Analysis Unless Noted)
- INSTALL GLAZING PER INDUSTRY STANDARDS
 (Follow GANA Guidelines & Acurlite Installation Manual)
 - USE SPECIFIED DOW CORNING SILICONE
 (Per Acurlite P.E. Analysis & Installation Manual)

FASTEN RAFTER ASSEMBLY TO COMP RING

(Factory Applied Internal Lug / Tap Bolt Provided For Attachment)



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COMP. RING
TYPICAL DETAIL