

Webster University Science Bldg

Webster Groves, MO

PREPARED BY:



PO Box 410, Schofield, WI 54476-0410 USA

www.airolite.com

DESIGN LOAD(s)

LOUVER/SCREEN WALL/GRILLE PRODUCTS:

DESIGN LOADS (NON-CORNERS): --- / +16 PSF

DESIGN LOADS (CORNERS): --- / --- PSF

SUN-CONTROL PRODUCTS:

DESIGN LOAD (DOWNWARD): ----- PSF

DESIGN LOAD (UPWARD): ----- PSF

DESIGN LOAD (LATERAL): ----- PSF

NOTES:

- THE DESIGN WIND PRESSURE LOAD(S) INDICATED IS AS INTERPRETED BY AIROLITE. THE ACTUAL REQUIRED DESIGN WIND PRESSURE LOAD(S) MAY DIFFER. IT IS THE RESPONSIBILITY OF THE DESIGN PROFESSIONAL(S) REVIEWING THE ENCLOSED SUBMITTAL DOCUMENTS TO VERIFY THE ACTUAL REQUIRED DESIGN WIND PRESSURE LOAD(S) AND CONVEY TO AIROLITE IF GREATER THAN SHOWN.
- IF BLANK-OFF PANELS ARE NOT REQUIRED, THEN ONLY POSITIVE LOUVER LOADS ARE CONSIDERED IN THE STRUCTURAL DESIGN LOAD(S).
- IF BUILDING HEIGHT IS NOT KNOWN, THE PRODUCT HEIGHT AND BUILDING HEIGHT ARE THEN ASSUMED TO BE THE SAME.
- BLANK-OFF PANELS APPLIED TO LOUVERS HAVE AN IMPACT ON THE NEGATIVE WIND PRESSURES. WHEN A BLANK-OFF PANEL IS TO BE FACTORY APPLIED, THE INCREASE IN NEGATIVE WIND PRESSURES IS TAKEN INTO CONSIDERATION AND THE LOUVER SYSTEM IS STRUCTURALLY DESIGNED ACCORDINGLY UNLESS NOTIFIED AT THE TIME OF QUOTING. AIROLITE IS NOT RESPONSIBLE FOR ANY STRUCTURAL IMPACT CAUSED BY BLANK-OFF PANELS SUPPLIED BY OTHERS AND FIELD ATTACHED TO THE LOUVER SYSTEM.

DESIGN LOAD SOURCE:

ASCE 7-05

NOTE: CALCULATED USING
AVAILABLE INFORMATION

DESIGN PRESSURE:

Basic Wind Speed (mph): 90

Building Height (ft): 71'-8"

Product Height (ft): 8'-0"

Terrain Exposure Category: B

Occupancy Risk Category: III

Importance Factor: 1.15

Topographic Factor: 1.0

Directionality Factor: 0.85

Hurricane Prone Region: NA

SEISMIC:

Design Category: C

Component Importance Factor: 1.25

Spectral Response Coefficients

Sds: 0.36

Sd1: 0.12

ICE LOAD:

Thickness (in): NA

Component Importance Factor: NA

SNOW LOAD:

Exposure Factor: NA

Thermal Factor: NA

Slope Factor: NA

Ground Snow Load (psf): NA

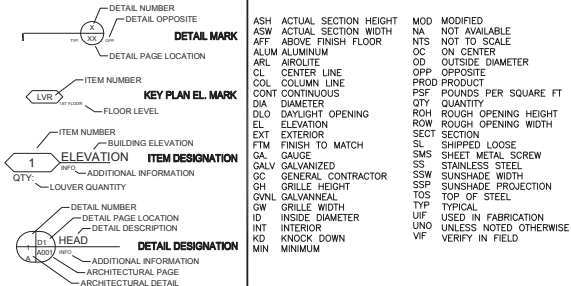
APPROVER SIGNATURE: _____

APPROVAL DATE: _____

SYMBOLS



ABBREVIATIONS



CONFLICTS, ERRORS, AND CHANGES

Shop drawings incorporate Airolite's best interpretation of the contract documents received and are provided for your convenience in securing (1) design review and approval; and, (2) field verified or guaranteed quantities, dimensions and conditions. Fabrication cannot begin until each of the following sections is executed and received by Airolite. Airolite is not responsible for conflicts between shop drawings, contract drawings

APPROVER NOTE: SEPARATION OF DISSIMILAR MATERIALS BY OTHERS

SHOP NOTE:

Designations without SL (SHIP LOOSE) or BY (OTHERS) are items that are used in fabrication.

SHOP NOTE:

Items with the designation of (MOD) are items that require some form of modification in the shop.

SEALANT NOTE:

Sealant Used By Manufacturer: Tremco Spectrem-1 Silicone Sealant applied to product and accessories (where applicable) pre-shipment.

PARTS INDEX

Fasteners:

F0 - All Ship-Loose Fasteners Are Mill Finish Unless Noted Otherwise
 F2 - Screw, #10x1 18-8SS, IHWH, SM (416349)
 F8 - Screw, #10x1 18-8SS, TXFH, TC (416462)
 F9 - Screw, #10-16x3/4 300 Series Stainless, TPH, SM (416108)

Attachments:

A0 - All Ship-Loose Attachments Are Mill Finish Unless Noted Otherwise
 A40 - Sill Pan, Formed Alum, 5052-H32, 0.060
 A141 - Angle, Cont, Ribbed, 1.50x1.50x.125 6063-T5 (125693)

Miscellaneous:

M1 - Drilled in field and attached by others, Anchors by others
 M3 - Sealant & Backer Rod & Caulk Backer as required (By Others)
 M4 - Shims as required (By Others)
 M15 - Holes in accessories By LVR Supplier, holes in louver drilled in field by others
 M19 - Drilled & Attached By LVR Supplier
 M27 - Structural Steel (By Others)
 M28 - Building Condition (By Others)

Screens:

S3 - Scrn, 18x16 Alum, Rewirable Alum Frame, Insect

CUSTOM PARTS INDEX

A370 - 0.187"x2.000"x2.000"x3.000" LONG ALUM. CLIP
 ANGLE-ALLOY 6063-T5 (130007)
 A371 - 0.125"x1.500"x3.750"x3.000" LONG ALUM. CLIP
 ANGLE-ALLOY 6063-T5
 A372 - JAMB ANGLE, 1.500"x5.500"x.125" THK. ALUM., ALLOY 6005-T5 (125629)

Color samples currently
being prepared per
previous sample submittal.

KEY



18x16 ALUM INSECT SCREEN IN
REWIREABLE FRAME, NATURAL MILL
(S3)

FINISH SCHEDULE

####

FINISH - A: Kynar (3 coat) color (TBD)
 FINISH - B: ---
 FINISH - C: ---
 FINISH - D: ---

REAR UNIT FINISH (COMBINATION UNITS ONLY):

BLANK-OFF FINISHES:

INTERIOR: ---
 EXTERIOR: ---
 SCREEN FINISH: ---

PRODUCT TYPE

SCH601

EXTRUDED ALUMINUM STORM CLASS™ LOUVER

INVISIBLE MULLION LOUVER TYPE.....SCH601
 MATERIAL.....EXTRUDED ALUMINUM ALLOY (6063-T5)
 STATIONARY BLADE.....0.061" (2.06mm)
 FRAME.....0.061" (2.06mm)
 LOUVER DEPTH.....6" (152.4mm)
 CONSTRUCTION METHOD.....MECHANICALLY PARTED ASSEMBLY

AIROLITE PROJECT NUMBERS

Webster University Science Bldg
 A1602065

SALES ORDER # 1: S7513869

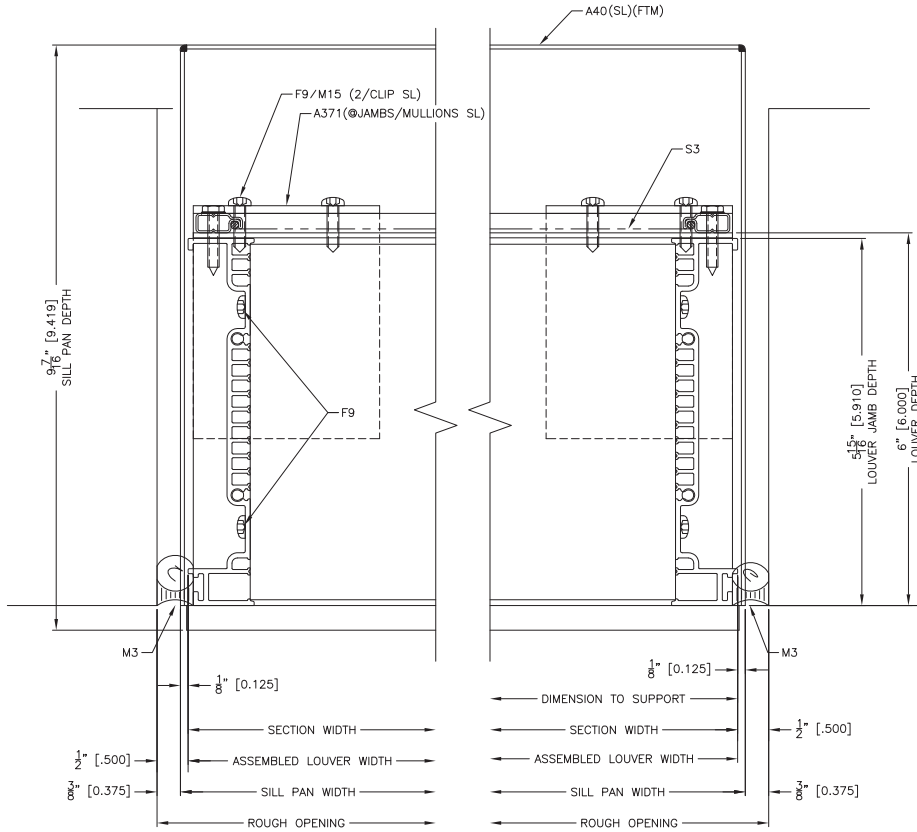
SALES ORDER # 2: ---

SALES ORDER # 3: ---

SALES ORDER # 4: ---

DESIGN PROJECT #1: ---

DESIGN PROJECT #2: ---



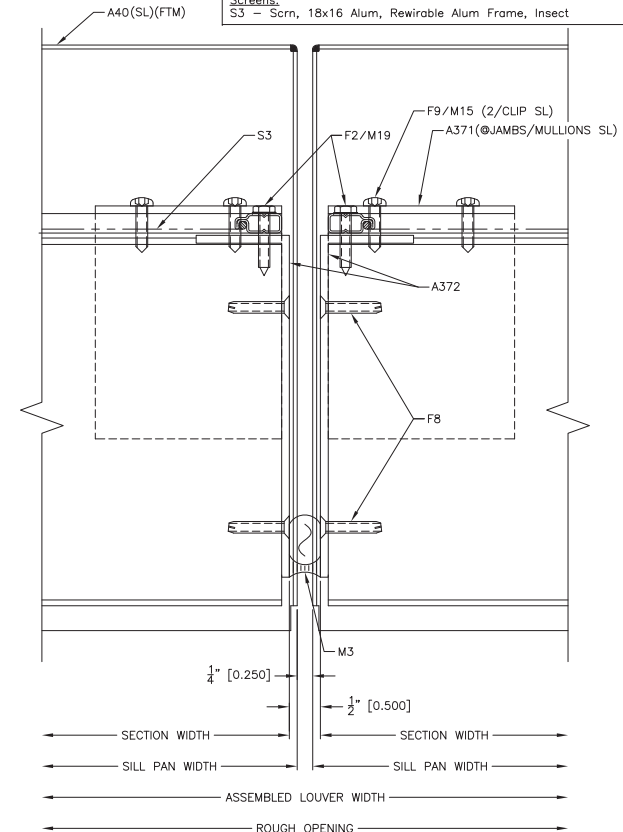
APPROVER NOTE:
PLEASE PROVIDE
CONDITION

3 D2 JAMB DETAIL
SCALE: 1:1

3opp D2 JAMB DETAIL
SCALE: 1:1

CUSTOM PARTS INDEX
A370 - 0.187"x2.000"x2.000"x3.000" LONG ALUM. CLIP
ANGLE-ALLOY 6063-T5 (130007)
A371 - 0.125"x1.500"x3.750"x3.000" LONG ALUM. CLIP
ANGLE-ALLOY 6063-T5
A372 - JAMB ANGLE, 1.500"x5.500"x.125" THK. ALUM., ALLOY
6005-T5 (125629)

PARTS INDEX
Fasteners:
F0 - All Ship-Loose Fasteners Are Mill Finish Unless Noted
Otherwise
F2 - Screw, #10x1 18-8SS, IHWH, SM (416349)
F8 - Screw, #10x1 18-8SS, TXFH, TC (416462)
F9 - Screw, #10-16x3/4 300 Series Stainless, TPH, SM
(416108)
Attachments:
A0 - All Ship-Loose Attachments Are Mill Finish Unless Noted
Otherwise
A40 - Sill Pan, Formed Alum, 5052-H32, 0.060
Miscellaneous:
M3 - Sealant & Backer Rod & Caulk Backer as required (By
Others)
M15 - Holes in accessories By LVR Supplier, holes in louver
drilled in field by others
M19 - Drilled & Attached By LVR Supplier
Screens:
S3 - Scrn, 18x16 Alum, Rewirable Alum Frame, Insect



4 D2 MULLION DETAIL
SCALE: 1:1

REV. NO.	REV. DATE	BY
1	4/29/17	T. OLSON

AIRROLITE
The look that works™
P.O. BOX 410
SCHOFIELD, WISCONSIN
54470-0410

PROJECT: Webster University Science Bldg
PROJECT LOCATION: Webster Groves, MO
REP COMPANY: R.S. PRODUCTS INC.
CUSTOMER: Paric Construction
ARCHITECT: KWA Architects
LOCATION: St. Louis, MO

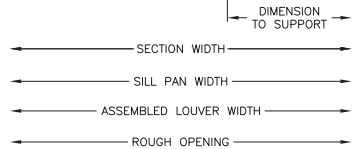
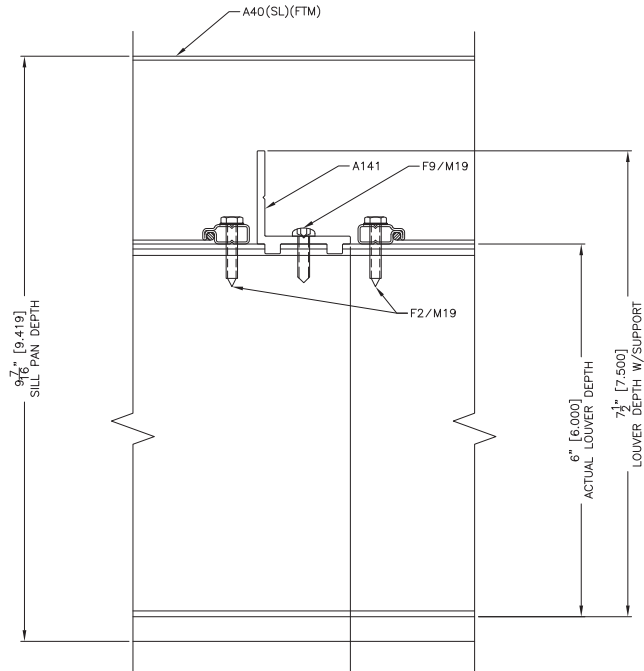
SCALE WHEN PLOTTED ON
17" SIZE
1:1

SHEET DESCRIPTION:
DETAILS
SALES ORDER NUMBERS:
S7513869

LOUVER SDR NO.:
A1602065

PRODUCTION DRAWN BY:

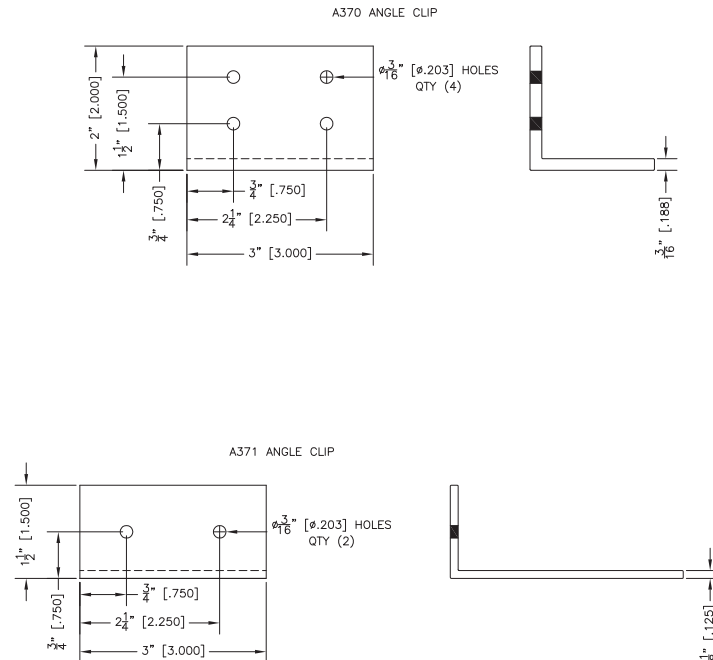
DRAWING NO.:
D2
SHT 5 OF 6



5 D3 SUPPORT DETAIL (>48")
SCALE: 1:1

PARTS INDEX

Fasteners:	
F0	All Ship-Loose Fasteners Are Mill Finish Unless Noted Otherwise
F2	Screw, #10x1 18-8SS, IHWH, SM (416349)
F9	Screw, #10-16x3/4 300 Series Stainless, TPH, SM (416108)
Attachments:	
A0	All Ship-Loose Attachments Are Mill Finish Unless Noted Otherwise
A40	Sill Pan, Formed Alum, 5052-H32, 0.060
A141	Angle, Cont, Ribbed, 1.50x1.50x.125 6063-T5 (125693)
Miscellaneous:	
M19	Drilled & Attached By LVR Supplier
CUSTOM PARTS INDEX	
A370	0.187"x2.000"x2.000"x3.000" LONG ALUM. CLIP
ANGLE-ALLOY	6063-T5 (130007)
A371	0.125"x1.500"x3.750"x3.000" LONG ALUM. CLIP
ANGLE-ALLOY	6063-T5
A372	JAMB ANGLE, 1.500"x5.500"x.125" THK. ALUM., ALLOY 6005-T5 (125629)



REVISION	DATE	BY
1	4/27/17	T. OLSON
PROJECT: Webster University Science Bldg PROJECT LOCATION: Webster Groves, MO REP COMPANY: R.S. PRODUCTS INC. CUSTOMER: Paric Construction ARCHITECT: KWA Architects LOCATION: St. Louis, MO		
SHEET DESCRIPTION: DETAILS SALES ORDER NUMBERS: S7513869		
LOUVER SDR NO.: A1602065 PRODUCTION DRAWN BY: ---		
DRAWING NO.: D3 SHT 6 OF 6		

