



Louver Construction Details

For L&D Louvers
Stationary and Adjustable Louvers
Made from Extruded Aluminum or Steel

Louver Construction Details

For Stationary and Adjustable Louvers • Extruded Aluminum and Galvanized Steel

Stationary Extruded Aluminum Louvers Reference Chart

Model	AMCA	Louver Depth	Blade Style	Blade Angle	Blade Spacing	% Free Area (48" x 48")	Jamb Splice Detail	Vert. Mull. Detail	Horiz. Mull. Detail	Vert. Angle Splice Detail	Splice Int. Detail	Sup. Angle Detail
TE15		1½"	Baffle	30°	1½"		3	1	5	4	7, 8	6
TE57	✓	2"	Baffle	45°	2¾"	45%	3	1	5	4	7, 8	6
IL20	✓	2"	Chevron		1"	43%	3	1	5	4	7, 8	6
IL58	✓	2"	Drainable	45°	2¾"	45%	3	1	5	4	7, 8	6
IL38	✓	3"	Chevron		1¾"	44%	3	1	5	4	7, 8	6
EL47	✓	4"	Standard	45°	4"	57%	3	1	5	4	7, 8	6
EL47 (CL)		4"	Standard	45°	4"	57%	3	2	5	4	7, 8	6
EL48	✓	4"	Baffle	45°	4"	56%	3	1	5	4	7, 8	6
EL48 (CL)		4"	Baffle	45°	4"	56%	3	2	5	4	7, 8	6
EL49	✓	4"	Standard	37°	3½"	57%	3	1	5	4	7, 8	6
EL49 (CL)		4"	Standard	37°	3½"	57%	3	2	5	4	7, 8	6
IL23	✓	4"	Drainable	37°	3½"	57%	3	1	5	4	7, 8	6
IL23 (CL)		4"	Drainable	45°	3½"	57%	3	2	5	4	7, 8	6
IL24	✓	4"	Drainable	45°	4"	52%	3	1	5	4	7, 8	6
IL25 (CL)		4"	Drainable	45°	4"	52%	3	2	5	4	7, 8	6
EL27		4"	Baffle	30°	3"		3	1	5	4	7, 8	6
EL27 (CL)		4"	Baffle	30°	3"		3	2	5	4	7, 8	6
IL21	✓	4"	Drainable	45°	5"	51%	3	1	5	4	7, 8	6
IL21 (CL)		4"	Drainable	45°	5"	51%	3	2	5	4	7, 8	6
IL53	✓	4"	Chevron		1⅝"	47%	3	1	5	4	7, 8	6
IL54	✓	4"	Chevron		1⅝"	47%	3	1	5	4	7, 8	6
IL49	✓	4"	Drainable	45°	4"	52%	3	1	5	4	7, 8	6
IL59	✓	5"	Chevron		2"	44%	3	1	5	4	7, 8	6
IL52	✓	5"	Chevron		2¼"	48%	3	1	5	4	7, 8	6
IL50	✓	5"	Chevron		2"	44%	3	1	5	4	7, 8	6
EL63	✓	6"	Standard	45°	5⅜"	55%	3	1	5	4	7, 8	6
EL63 (CL)		6"	Standard	45°	5⅜"	55%	3	2	5	4	7, 8	6
IL31	✓	6"	Drainable		4½"	56%	3	1	5	4	7, 8	6
IL31 (CL)		6"	Drainable		4½"	56%	3	2	5	4	7, 8	6
IL67	✓	6"	Std.+ Drain	37°	3½"	44%	3	1	5	4	7, 8	6
IL67 (CL)		6"	Std.+ Drain	37°	3½"	44%	3	2	5	4	7, 8	6
IL34	✓	6"	Drainable		4½"	56%	3	1	5	4	7, 8	6
IL34 (CL)		6"	Drainable		4½"	56%	3	2	5	4	7, 8	6
IL65	✓	6"	Drainable		5⅜"	53%	3	1	5	4	7, 8	6
IL64	✓	6"	Chevron		1⅝"	53%	3	1	5	4	7, 8	6
IL69	✓	6"	Drainable	35°	4"	58%	3	1	5	4	7, 8	6
IL68	✓	6"	Chevron		1⅝"	49%	3	1	5	4	7, 8	6
IL75	✓	7"	Chevron		2¼"	45%	3	1	5	4	7, 8	6
IL85		8"	Chevron		2¼"	56%	3	1	5	4	7, 8	6
IL82	✓	8"	Chevron		1 ¼"	29%	3	1	5	4	7, 8	6

Louver Construction Details

For Stationary and Adjustable Louvers • Extruded Aluminum and Galvanized Steel

Stationary Formed Steel Louvers Reference Chart

Model	AMCA	Louver Depth	Blade Style	Blade Angle	Blade Spacing	% Free Area (48" x 48")	Jamb Splice Detail	Vert. Mull. Detail	Horiz. Mull. Detail	Vert. Angle Splice Detail	Splice Int. Detail	Sup. Angle Detail
SL57		2"	Standard	45°	2 1/8"		11	9, 10	13	12	15, 16	14
SL80		4"	Chevron		3"		11	9, 10	13	12	15, 16	14
SL48	✓	4"	Standard	45°	4 1/8"	51%	11	9, 10	13	12	15, 16	14
SL45	✓	4"	Baffle	45°	4 1/8"	52%	11	9, 10	13	12	15, 16	14
SL21	✓	4"	Drainable	45°	4"	50%	11	9, 10	13	12	15, 16	14
SL49		4"	Standard	30°	3"		11	9, 10	13	12	15, 16	14
L461	✓	4"	Standard			34%	11	9, 10	13	12	15, 16	14
SL63		6"	Standard	45°	6 9/16"		11	9, 10	13	12	15, 16	14
SL65		6"	Baffle	45°	6 9/16"		11	9, 10	13	12	15, 16	14
SL33	✓	6"	Drainable	45°	6"	52%	11	9, 10	13	12	15, 16	14
SL31	✓	6"	Drainable	35°	3 1/2"	55%	11	9, 10	13	12	15, 16	14
SL67		6"	Standard	30°	4"		11	9, 10	13	12	15, 16	14

Adjustable Extruded Aluminum Louvers

Reference Chart

Model	AMCA	Louver Depth	Blade Style	Blade Spacing	% Free Area (48" x 48")	Vert. Mullion Detail	Horz. Mullion Detail	Int. Splice Detail	Side Arm Drive Detail	Side Arm Drive at Mullion Detail	Interconnected Drive Detail
EL47A		4"	Pin-Lock	4"	43%	1	5	7, 8	17	18	19
EL88AM		4"	Pin-Lock	4"		1	5	7, 8	17	18	19
IL21A		4"	Drainable	4"	44%	1	5	7, 8	17	18	19
IL21AM		4"	Drainable	4"		1	5	7, 8	17	18	19
AC45C	✓	4"	Drainable	3½"	52%	1	5	7, 8	17	18	19
AC45CM		4"	Drainable	3½"		1	5	7, 8	17	18	19
EL88A	✓	6"	Pin-Lock	4"	67%	1	5	7, 8	17	18	19
EL62A		6"	Baffle	4½"	57%	1	5	7, 8	17	18	19
EL62AM		6"	Baffle	4½"		1	5	7, 8	17	18	19
IL31A		6"	Drainable	4½"	54%	1	5	7, 8	17	18	19
IL31AM		6"	Drainable	4½"		1	5	7, 8	17	18	19
DC65D	✓	6"	Drainable	4½"	52%	1	5	7, 8	17	18	19
DC65DM		6"	Drainable	4½"		1	5	7, 8	17	18	19
IL31AF		6"	Drainable	4½"	52%	1	5	7, 8	17	18	19
DC68C	✓	6"	Pin-Lock	4½"	52%	1	5	7, 8	17	18	19
DC68CM		6"	Pin-Lock	4½"		1	5	7, 8	17	18	19

Adjustable Formed Steel Louvers

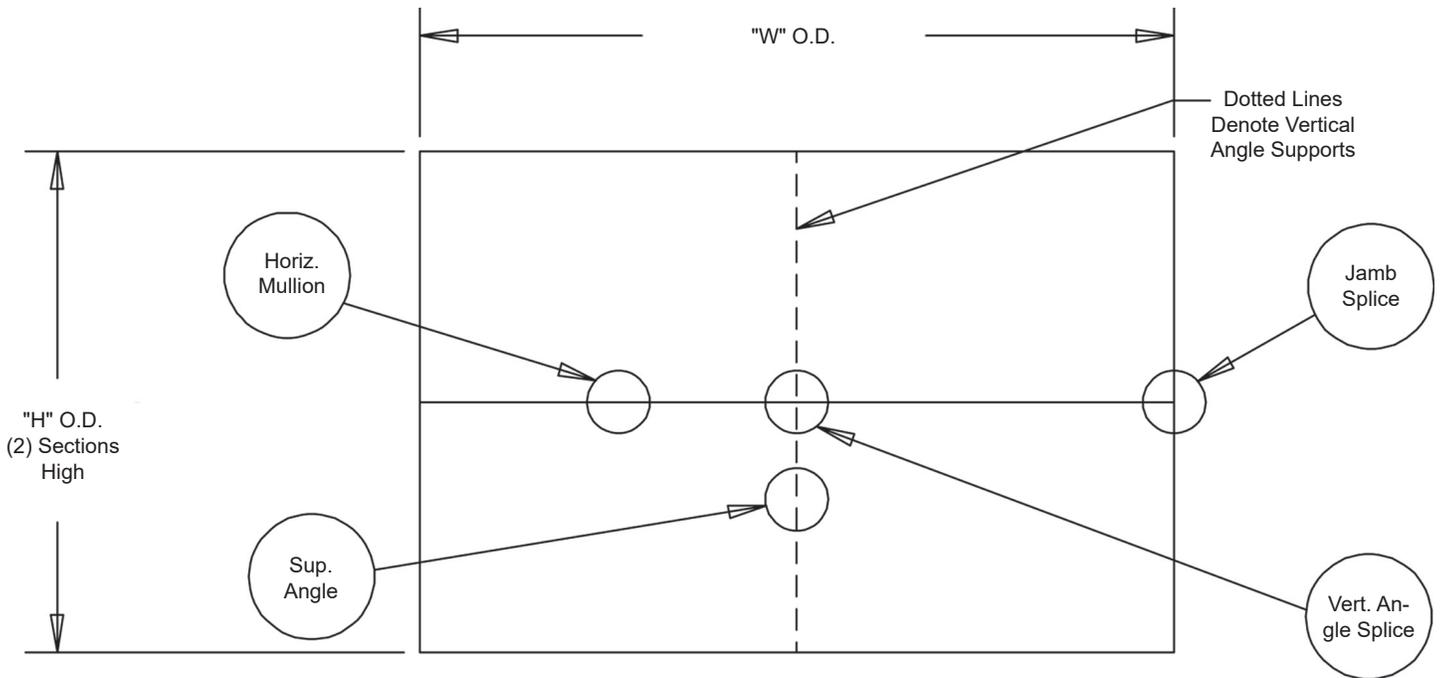
Reference Chart

Model	AMCA	Louver Depth	Blade Style	Blade Spacing	% Free Area (48" x 48")	Vert. Mullion Detail	Horz. Mullion Detail	Int. Splice Detail	Side Arm Drive Detail	Side Arm Drive at Mullion Detail	Interconnected Drive Detail
SL47A		4"	Standard	4¾"	48%	9	13	15, 16	17	18	19
SL21A		4"	Standard	4¾"	44%	9	13	15, 16	17	18	19
SL33A		6"	Standard	3½"	55%	9	13	15, 16	17	18	19
SL69		6"	Standard	6"		9	13	15, 16	17	18	19
SL73C		7"	Drainable	3"		9	13	15, 16	17	18	19
ACL73A		7"	Drainable	3"	45%	9	13	15, 16	17	18	19

Louver Construction Details

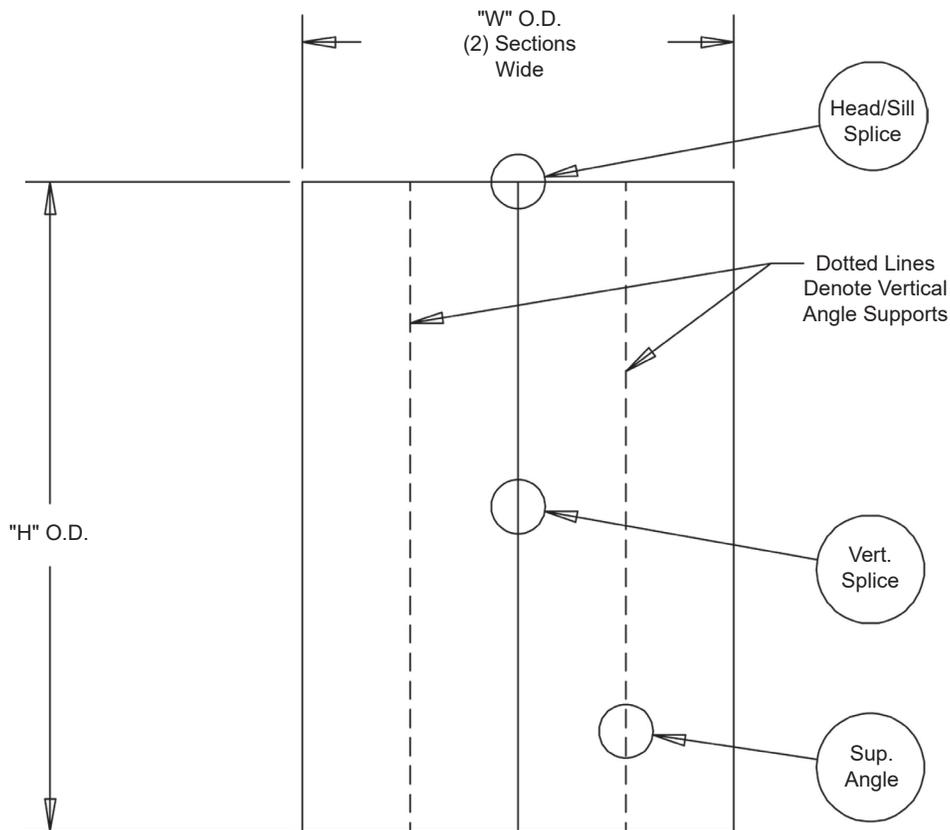
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Schematic Louver Drawings



Louver Type #1

Horizontal splice and vertical angle supports, single section wide by two sections high.



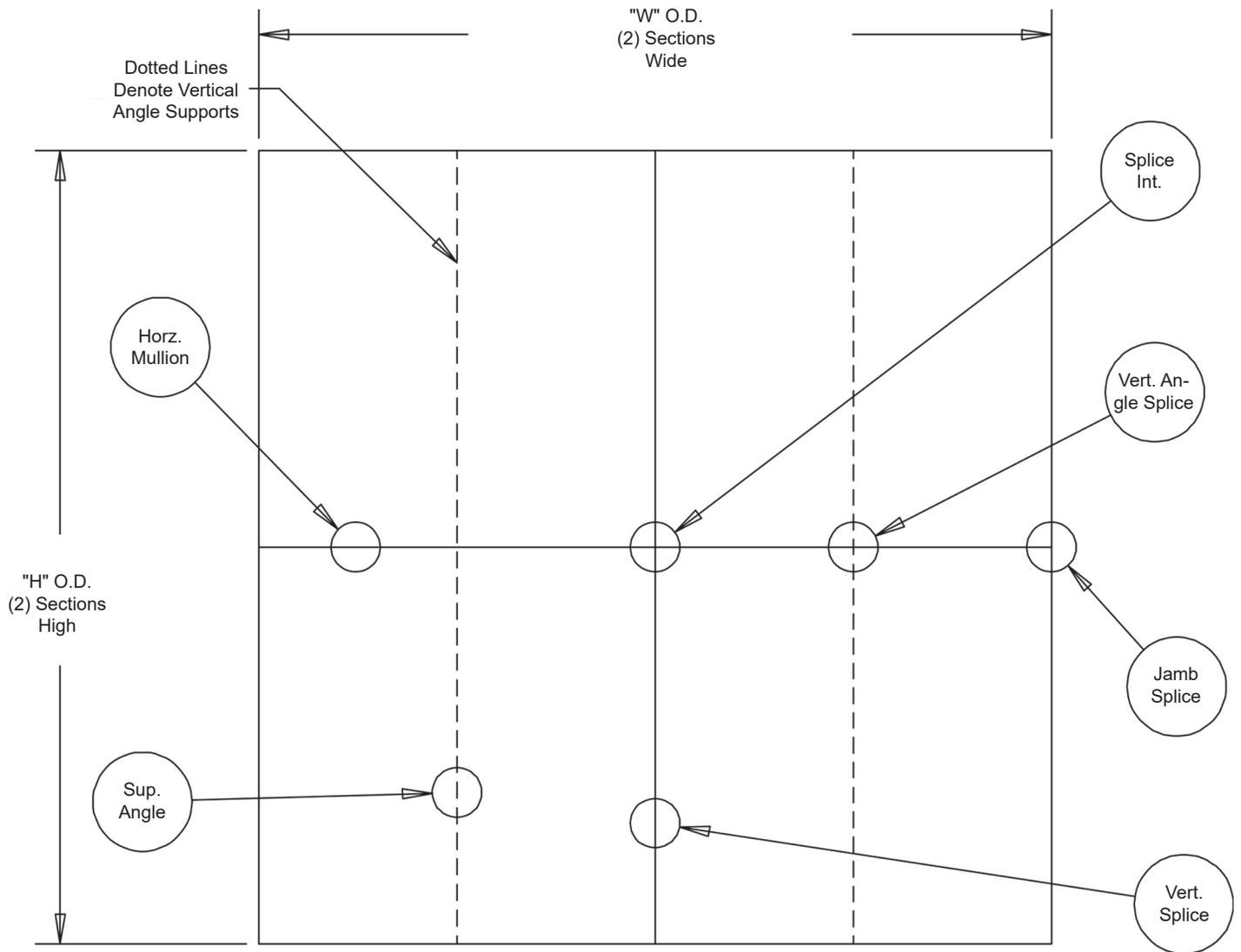
Louver Type #2

Vertical splice and vertical angle supports, two sections wide by one section high.

Louver Construction Details

For Stationary and Adjustable Louvers • Extruded Aluminum and Galvanized Steel

Schematic Louver Drawings



Louver Type #3

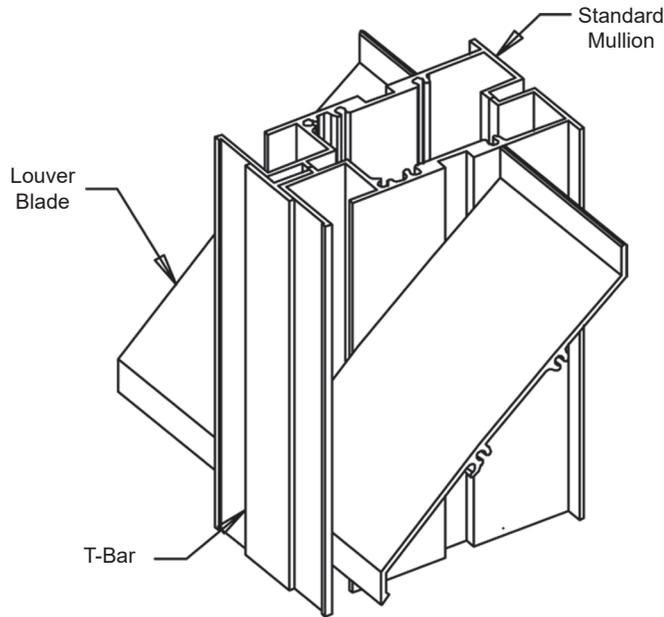
Horizontal and vertical splice with vertical angle supports, two sections wide by two sections high.

Louver Construction Details

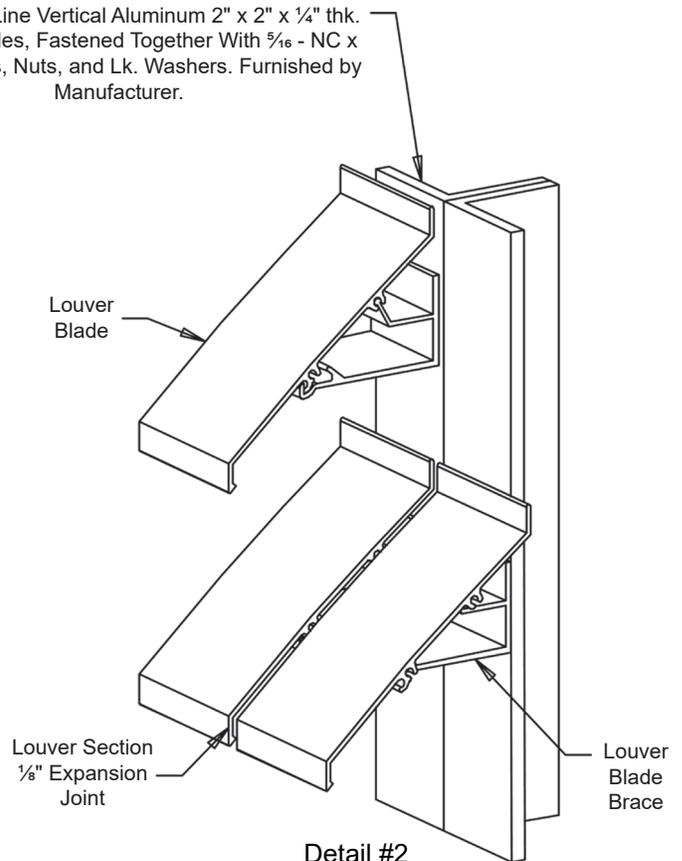
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Extruded Aluminum Louver Details

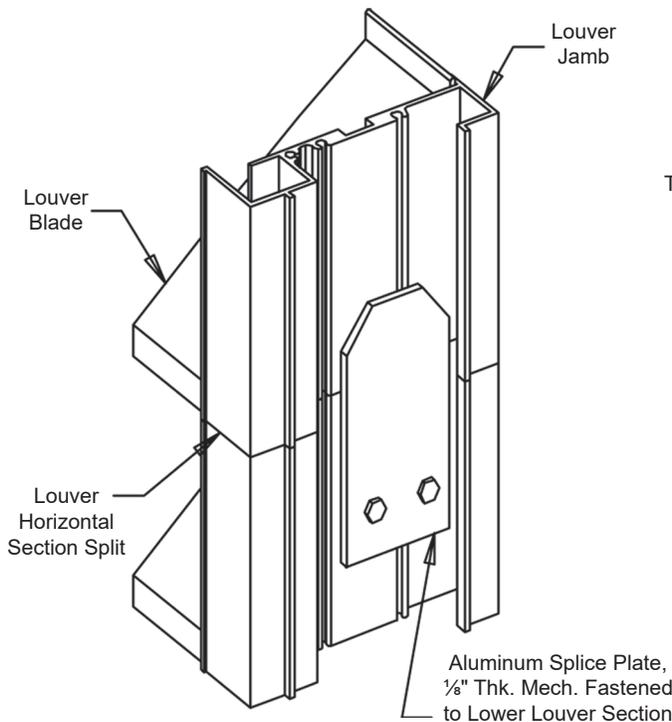
Continuous Line Vertical Aluminum 2" x 2" x 1/4" thk. Support Angles, Fastened Together With 5/16" - NC x 1 1/2" Lg. Bolts, Nuts, and Lk. Washers. Furnished by Manufacturer.



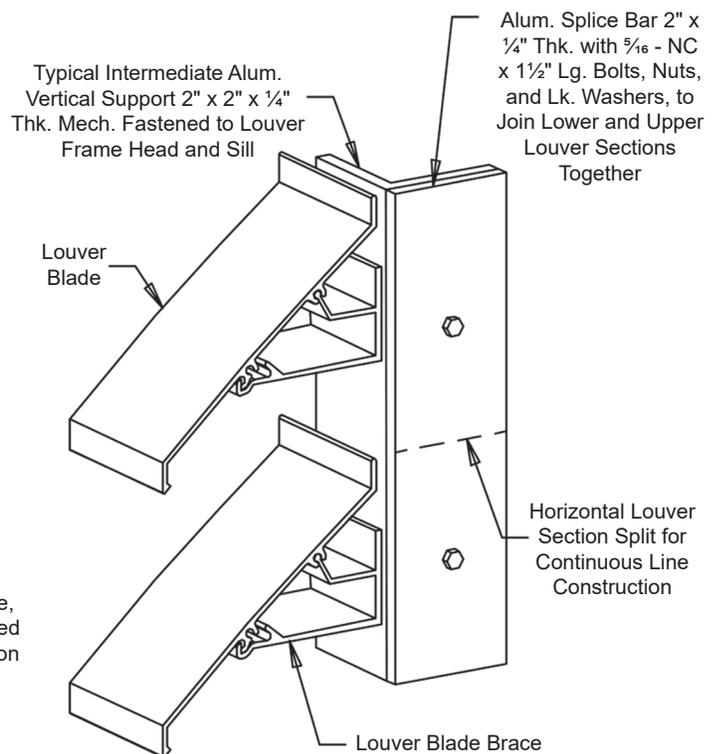
Detail #1
Jamb Splice for Standard Mullion



Detail #2
Jamb Splice for Continuous Line



Detail #3
Jamb Splice with Splice Plate

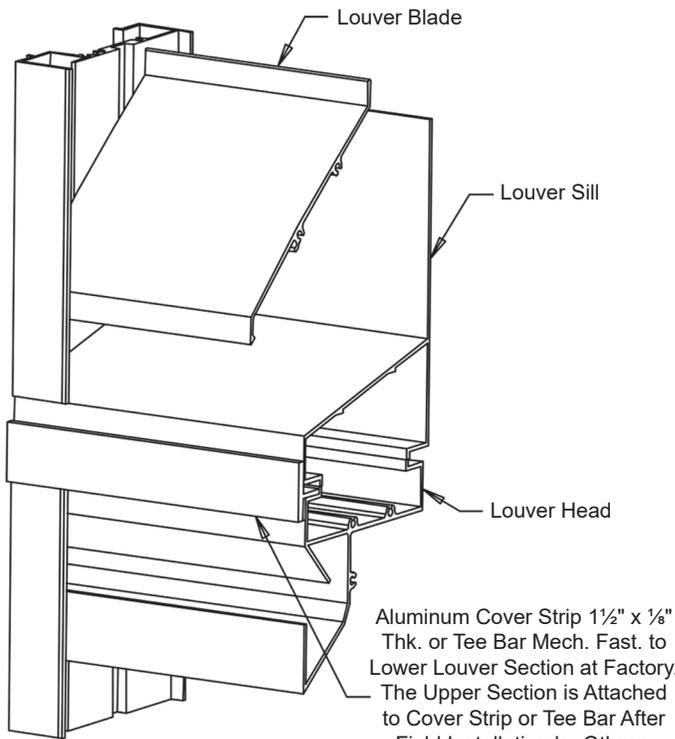


Detail #4
Vertical Angle Splice Louvers

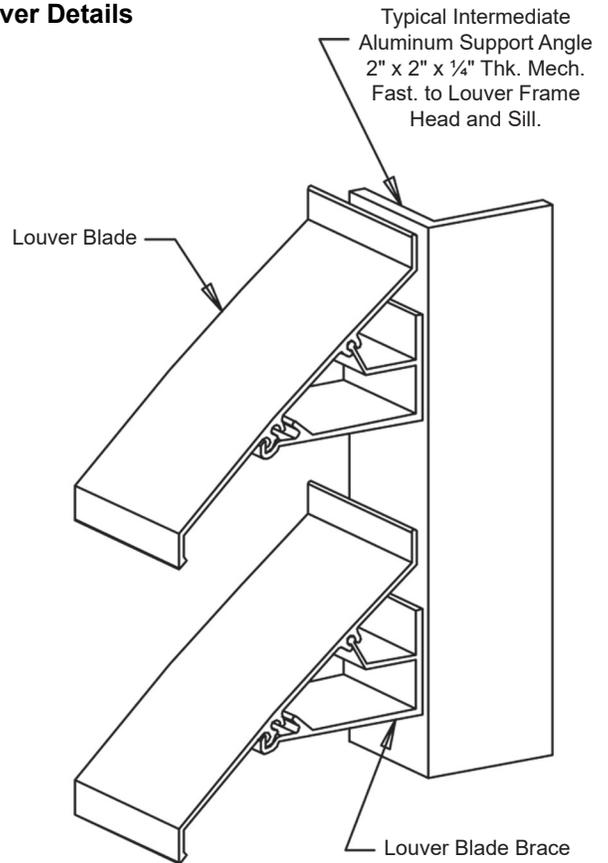
Louver Construction Details

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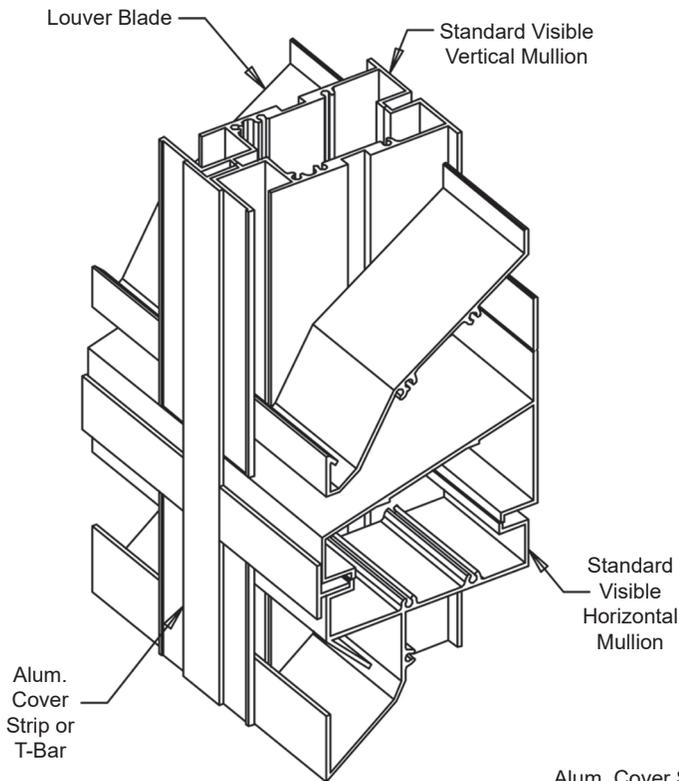
Extruded Aluminum Louver Details



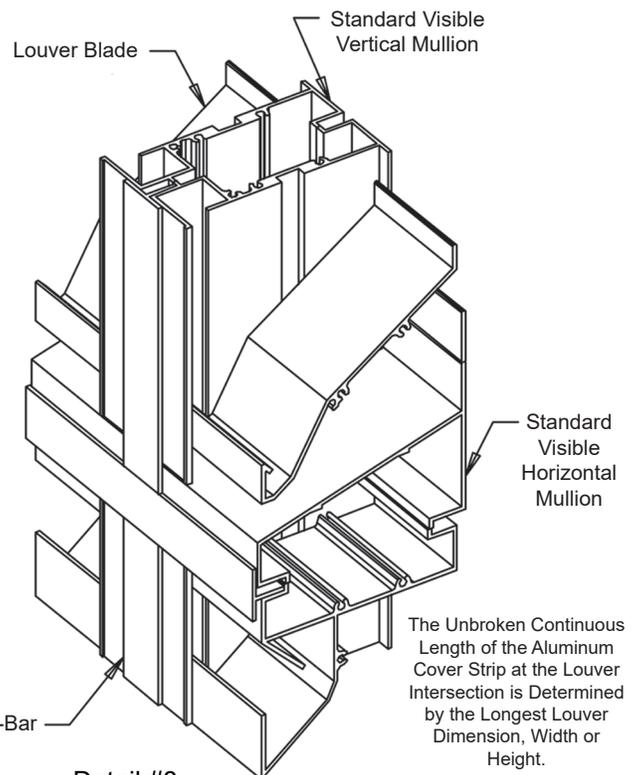
Detail #5
Horizontal Mullion Detail



Detail #6
Support Angle Detail



Detail #7
Splice Interconnected Detail
(Vertical Continuous)



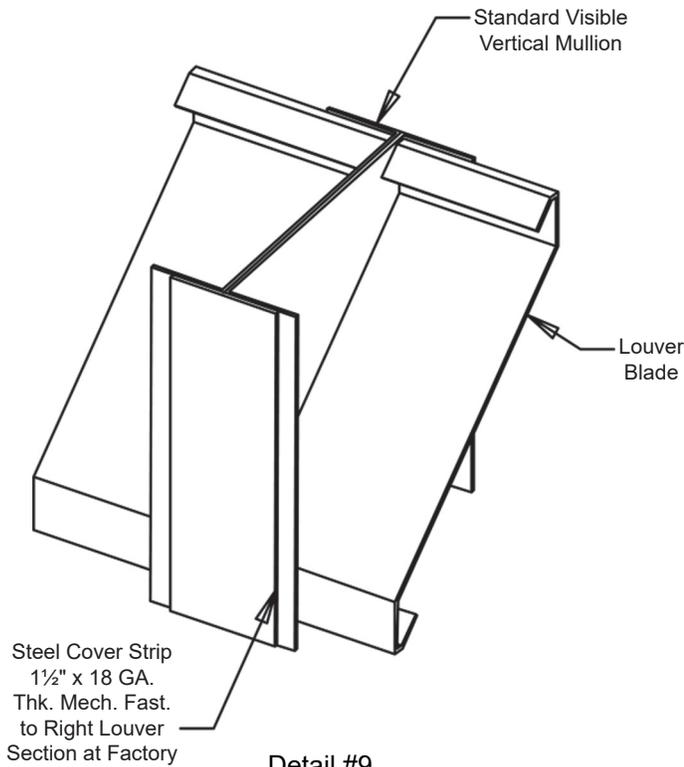
Detail #8
Splice Interconnected Detail
(Horizontal Continuous)

The Unbroken Continuous Length of the Aluminum Cover Strip at the Louver Intersection is Determined by the Longest Louver Dimension, Width or Height.

Louver Construction Details

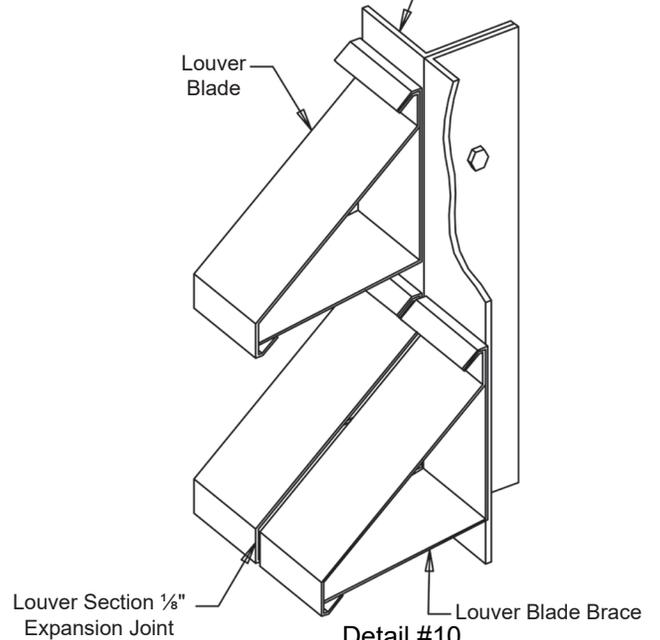
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Fabricated Steel Louver Details



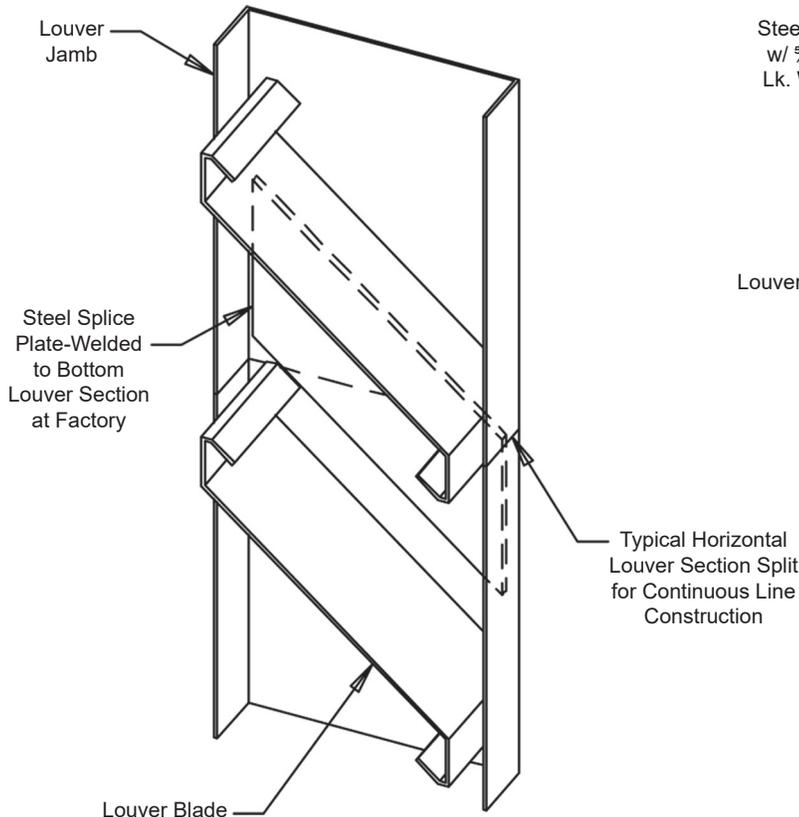
Detail #9
Vertical Mullion Detail

Continuous Line Vertical Steel 2" x 2" x ¼" Thk. Support Angles, Fast. Together with ⅝" - NC x 1½" Lg. Bolts, Nuts and Lk. Washers. Furnished by Manufacturer.

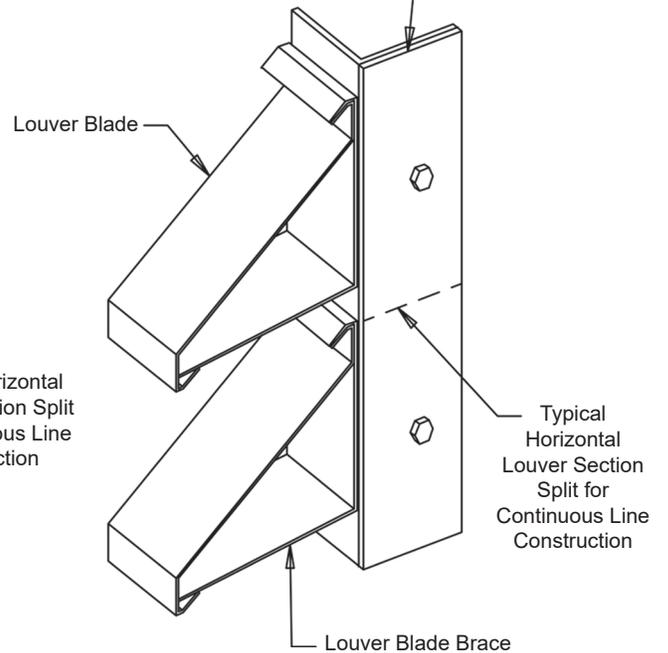


Detail #10
Vertical Mullion (Continuous Line)

Steel Splice Bar 2" x 10 GA. Furnished w/ ⅝" - NC x 1½" Lg. Bolts, Nuts and Lk. Washers to Join Lower and Upper Louver Sections Together



Detail #11
Jamb Splice Detail

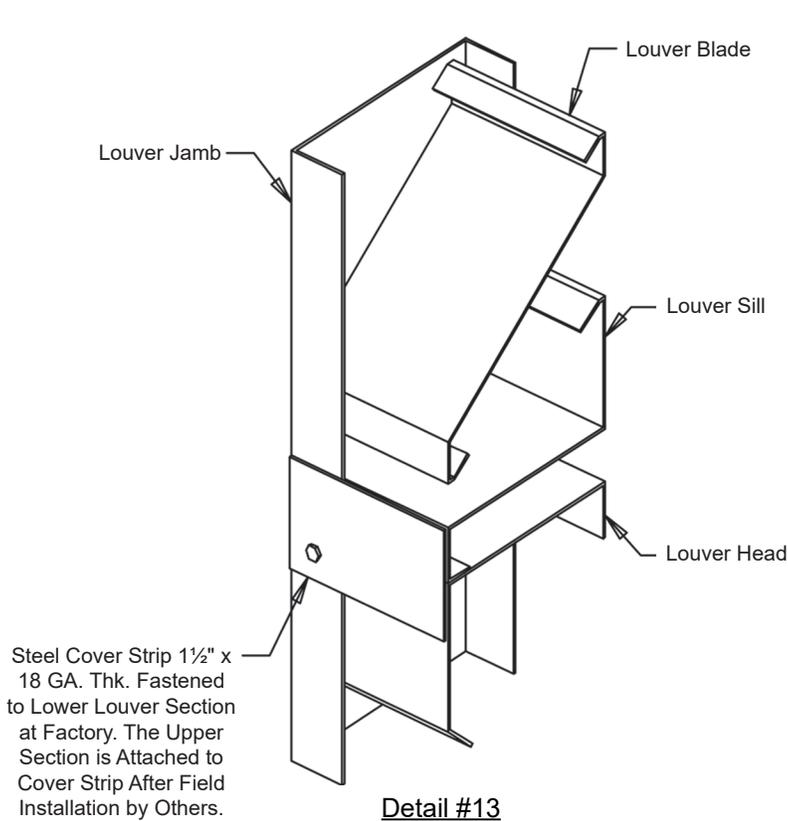


Detail #12
Vertical Angle Splice Detail

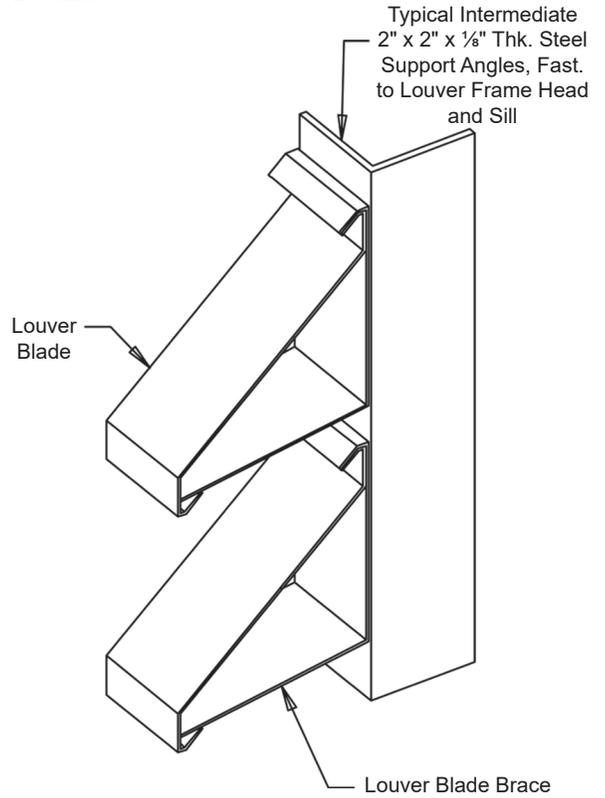
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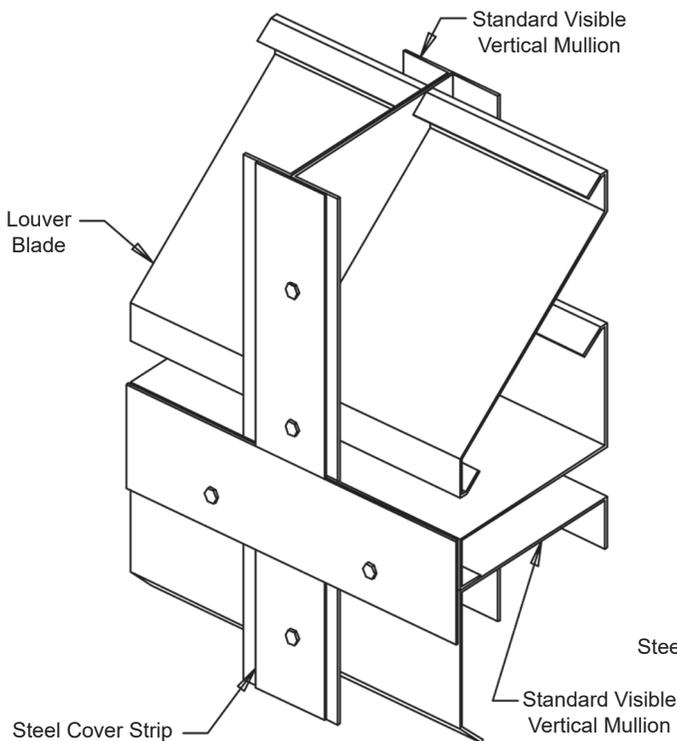
Fabricated Steel Louver Details



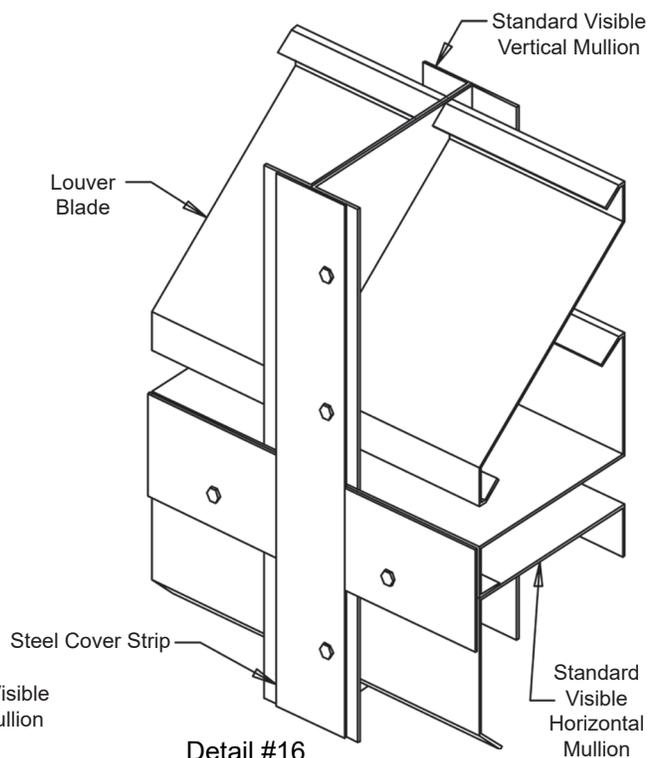
Detail #13
Horizontal Mullion Detail



Detail #14
Support Angle Detail



Detail #15
Splice Interconnected Detail
(Horizontal Continuous)

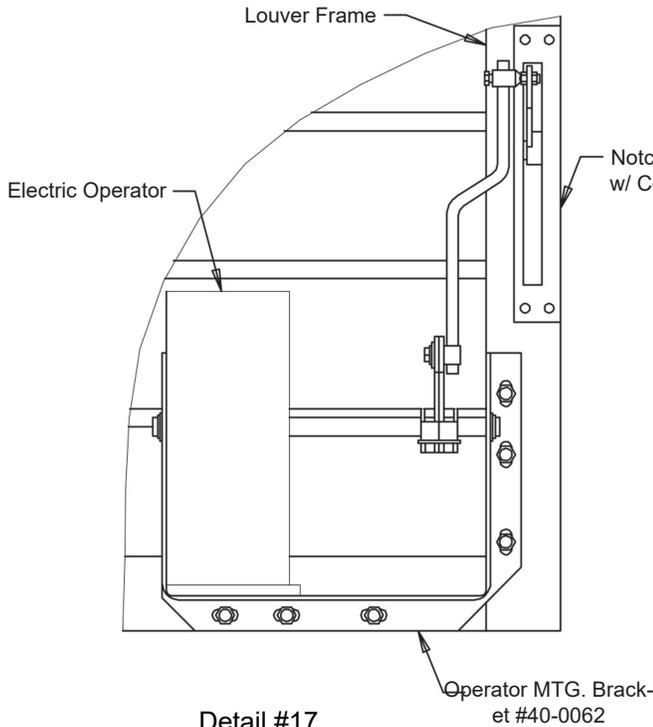


Detail #16
Splice Interconnected Detail
(Vertical Continuous)

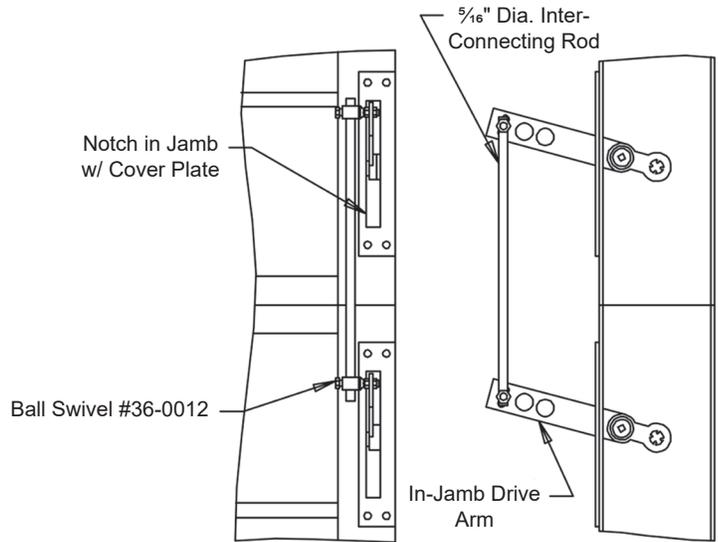
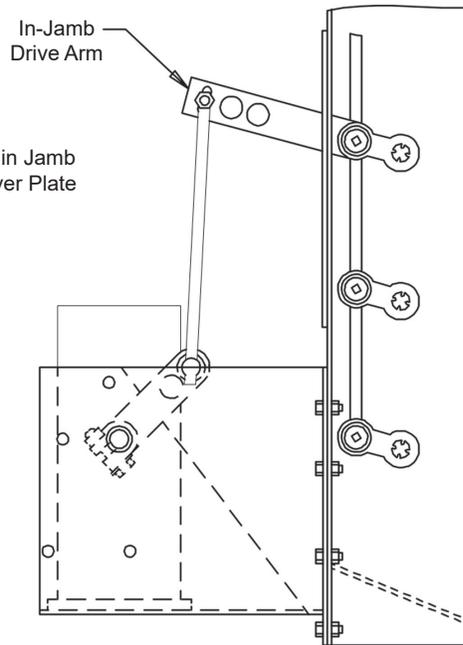
Louver Construction Details

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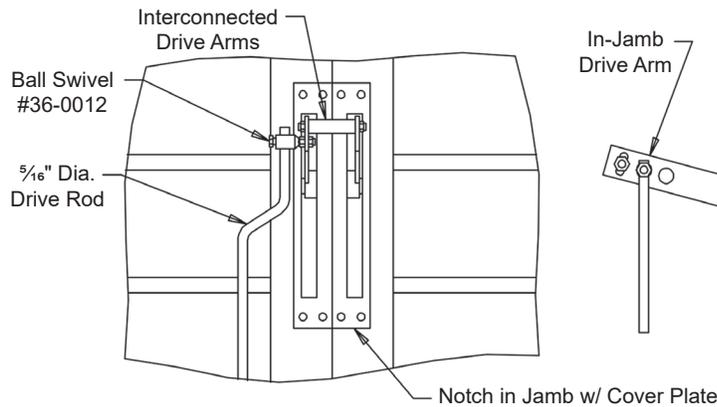
Adjustable Aluminum and Steel Louver Details



Detail #17
Side Arm Drive Detail



Detail #18
Side Arm Drive at Mullion Detail

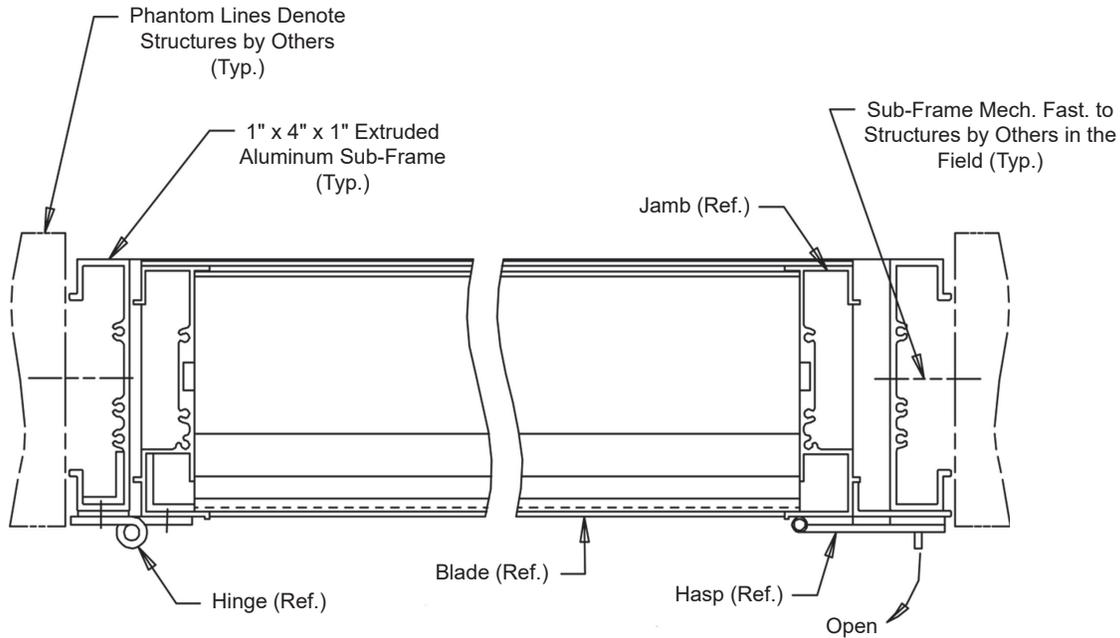


Detail #19
Interconnected Drive Detail

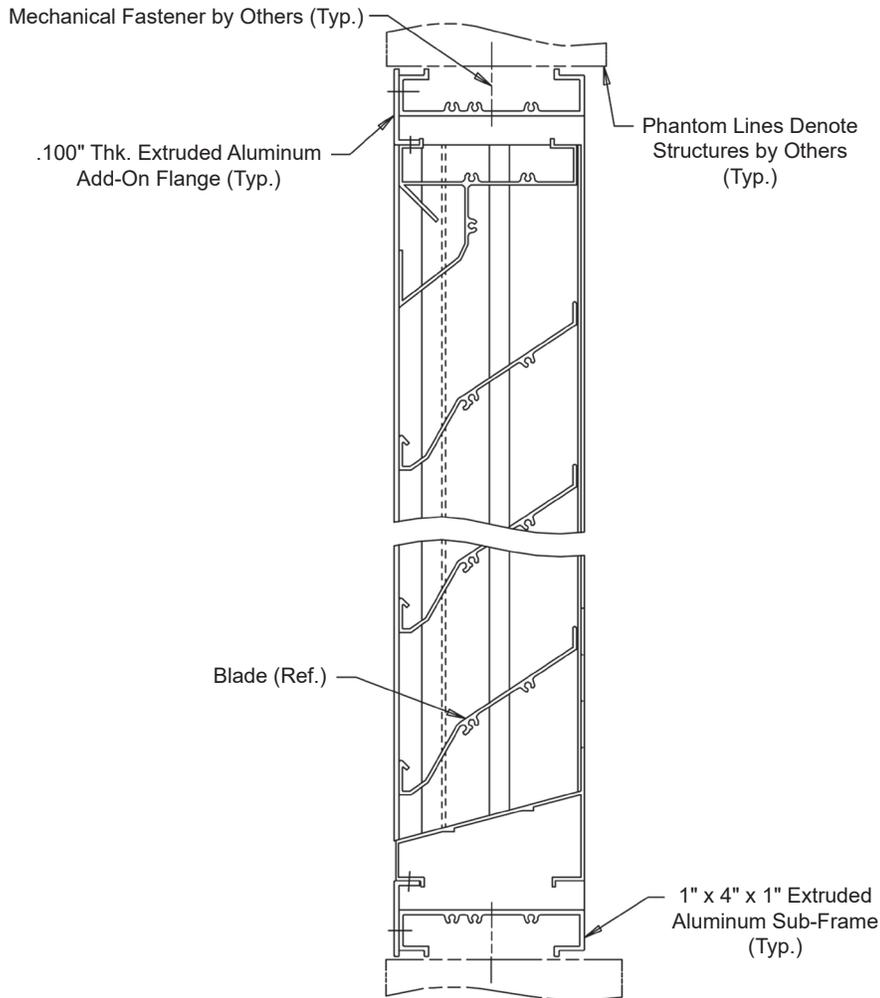
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Special Louver Mounting Details



Hinged Louver Door w/ Subframe



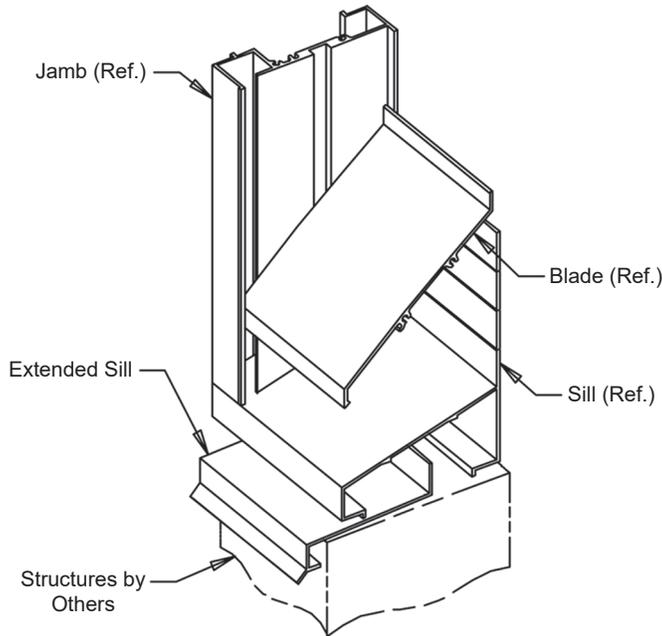
Removable Flanged Frame Louver Section



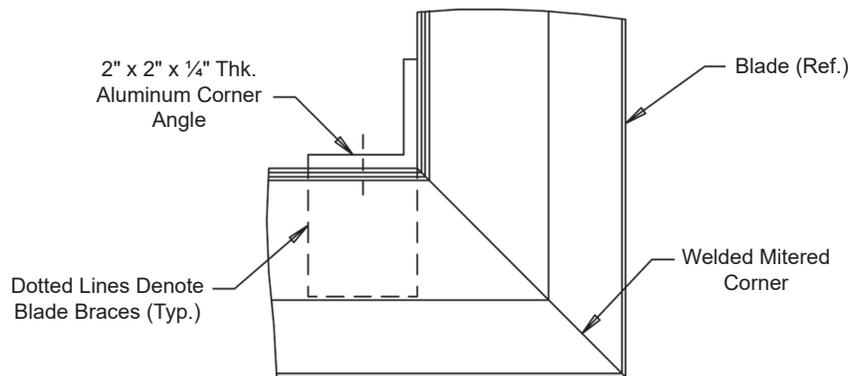
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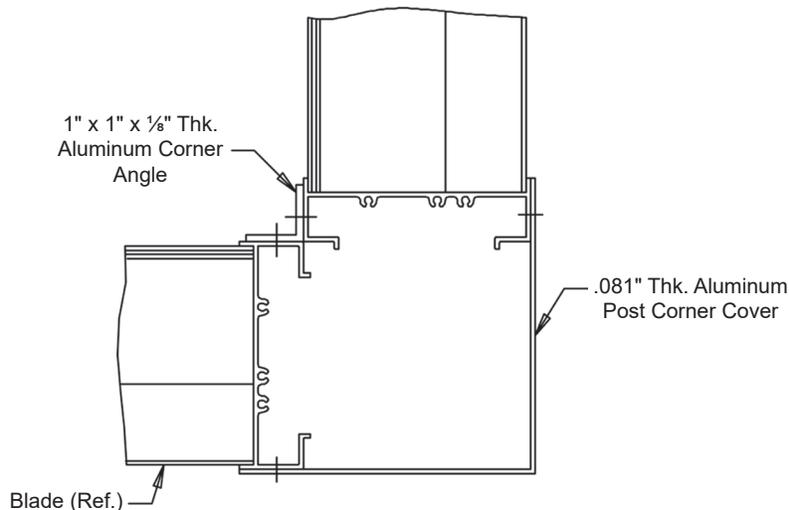
Special Louver Mounting Details



Extended Sill Detail



Mitered Corner Detail

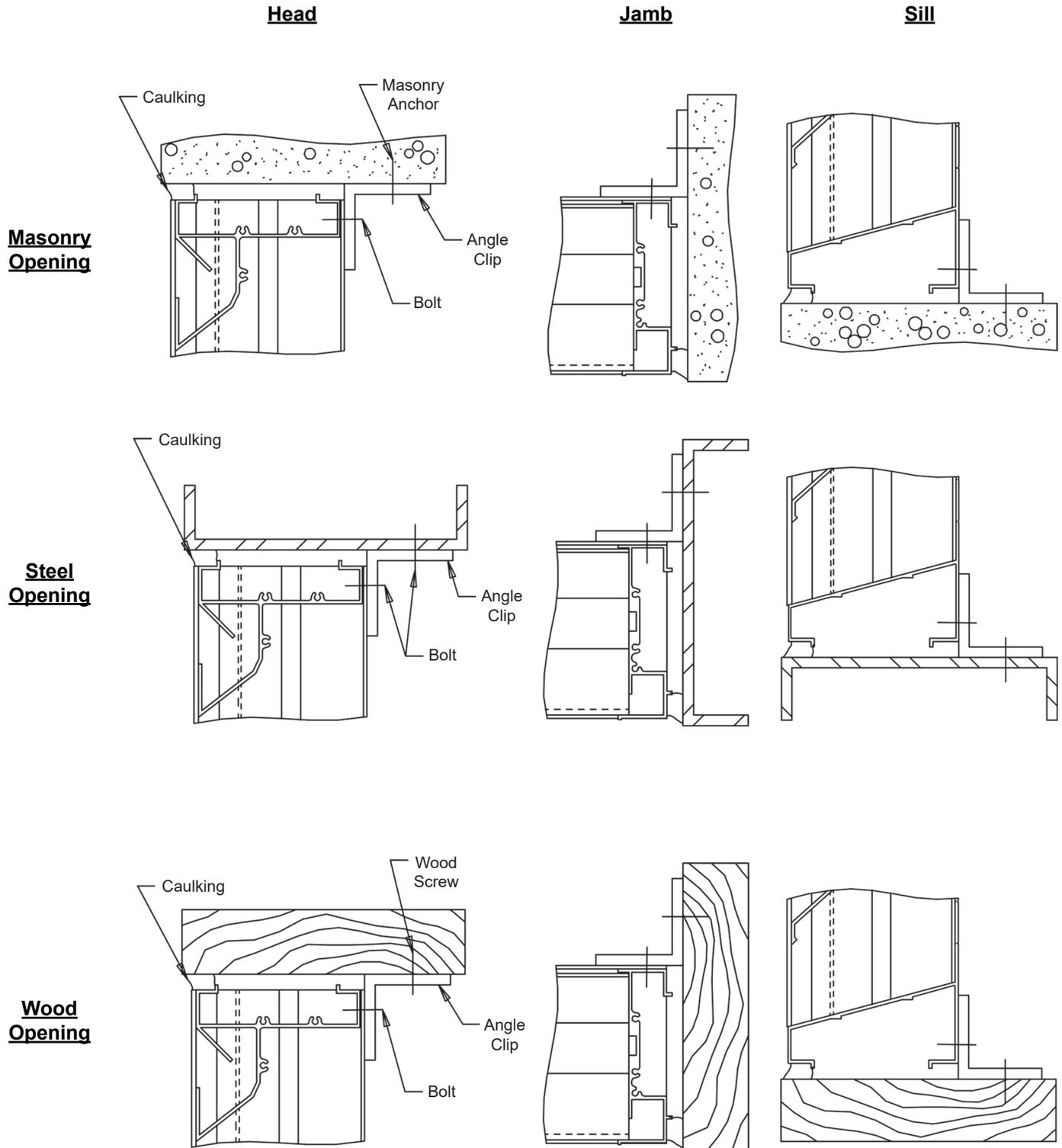


Posted Corner Detail

Louver Construction Details

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Typical Louver Installation Methods - Channel Frame



Louver Construction Details

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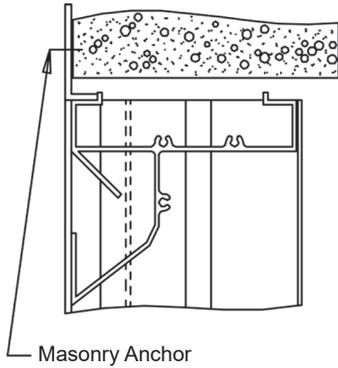
Typical Louver Installation Methods - Flanged Frame

Head

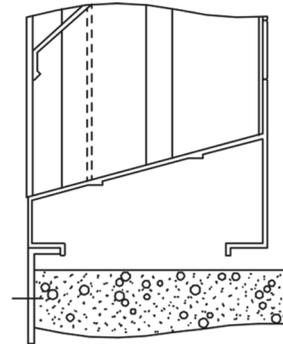
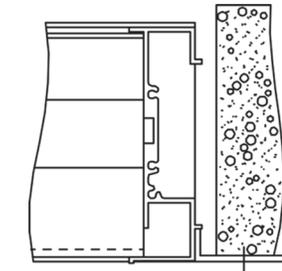
Jamb

Sill

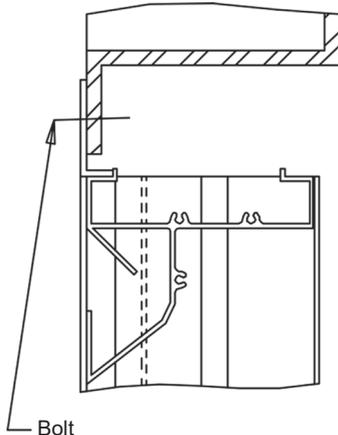
**Masonry
Opening**



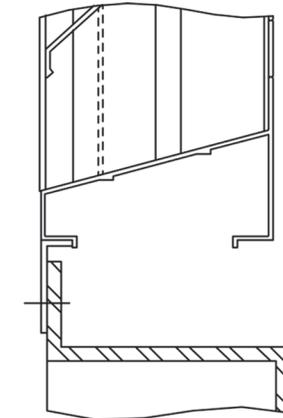
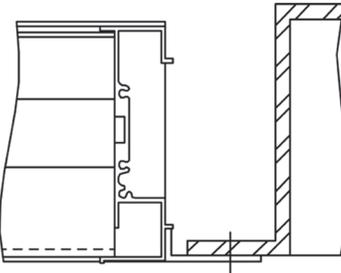
Masonry Anchor



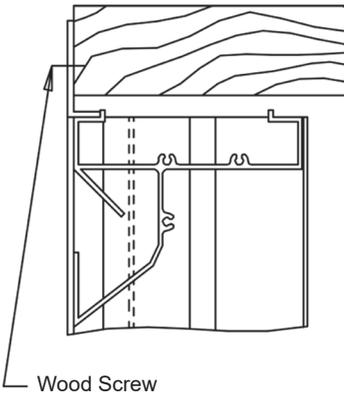
**Steel
Opening**



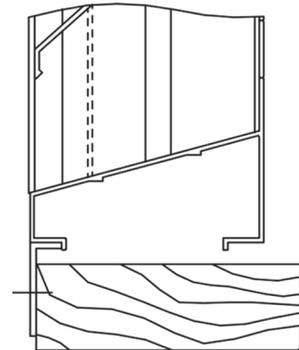
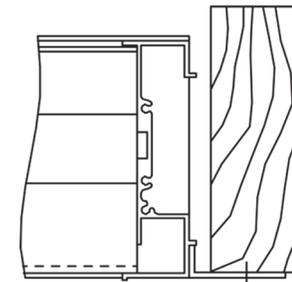
Bolt



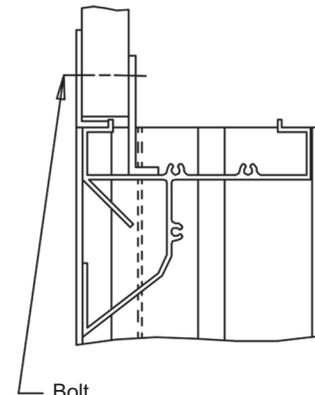
**Wood
Opening**



Wood Screw



**Corrugated
Opening**



Bolt

