

100099459

MP
7-2-10

CURRIES
Installation Instructions

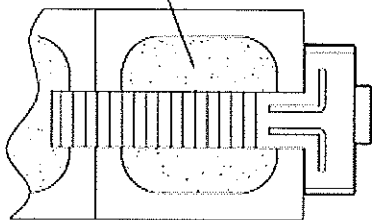
Anchoring

- 1) Rough opening material, by others, must be installed properly to transfer loads to the building structure.
- 2) Anchoring or loading conditions not shown in these details are not part of this approval.
- 3) Building walls must be designed to support and sustain loads developed by the door and frame assembly and transfer loads to the building structure.
- 4) Anchors shall be as listed and spaced as shown in the table below.
- 5) Anchor embedment to base material shall be beyond wall dressing or stucco.
- 6) Masonry "T", Pipe Spacer, wire, welded EWA, wood stud, or steel stud anchors required.
- 7) Wood density, G = 0.55.
- 8) Hardware mullions shall be installed in accordance with the mullion manufacturers' installation instructions.

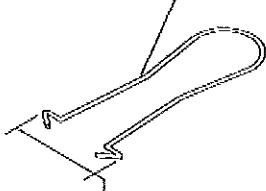
JAMB ANCHOR REQUIREMENT TABLE						
70 psf Frames						
OPENING HEIGHT	ANCHORS W/ 3/8" LAG SCREW, STEEL STUD, OR WOOD STUD	MAX. SPACING	ANCHORS W/ 3/8" EXPANSION SHELL	MAX. SPACING	MASONRY "T" OR WIRE ANCHORS, OR WELDED TO BUILDING STRUCTURE	MAX. SPACING
80" - 88"	4	22	4	24	4	24
90"	5	22	4	24	4	24
92" - 96"	5	22	5	24	4	24
115 psf Frames						
80" - 88"	5	21	4	24	4	24

MAXIMUM SHIM THICKNESS 0.25"

CMU BLOCK AND THROAT OF FRAME FILLED WITH 2000 PSI MORTAR

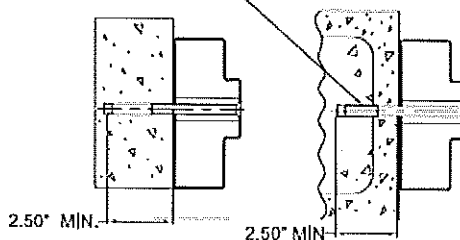


MASONRY WIRE ANCHOR
0.165" DIA. MIN.

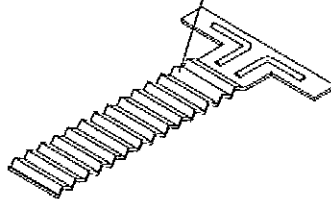


OPERATING RANGE 3" - 12"

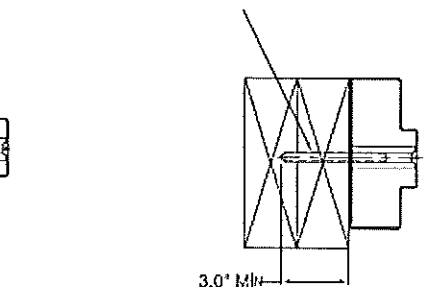
EXISTING MASONRY OR POURED CONCRETE, 2000 psf M/JN.
PIPE SPACER ANCHOR WITH 3/8" FLAT HEAD EXPANSION HEAD ANCHOR BOLTS
MINIMUM CAPACITY PER BOLT = 268 LBS
MINIMUM EDGE DISTANCE = 2.25"
MAXIMUM SHIM THICKNESS = 0.25"



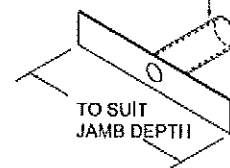
16 GA (0.053" MIN)
MASONRY T ANCHOR



PIPE SPACER ANCHOR WITH 3/8" WOOD SCREW OR LAG BOLT
MINIMUM CAPACITY PER BOLT - 268 LBS
MINIMUM EDGE DISTANCE = 1.75"
MAXIMUM SHIM THICKNESS = 0.25"



16 GA (0.053" MIN)
PIPE SPACER ANCHOR

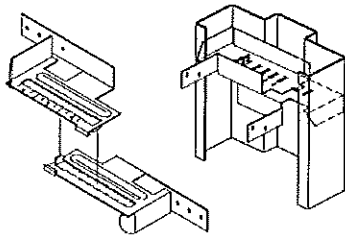


TO SUIT
JAMB DEPTH

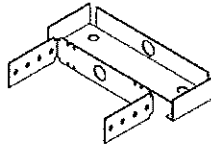
100099.459 =



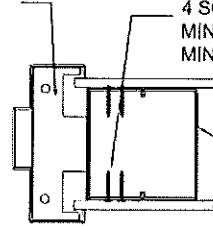
MP
7-2-10



18 ga. (0.041" MIN.)
SLIP-IN STUD ANCHOR



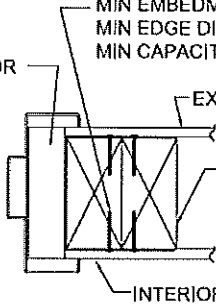
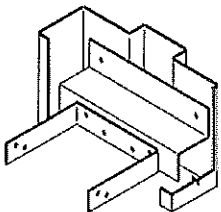
SLIP-IN STUD ANCHOR
WITH #8 X 1" GRADE 5
SHEET METAL SCREW;
4 SCREWS REQUIRED PER ANCHOR;
MIN EDGE DISTANCE = 0.328"
MIN CAPACITY PER SCREW = 67 LB



18 ga (0.041" min.)
STEEL STUDS

WOOD STUD ANCHOR
WITH #8 X 1" GRADE 5
SHEET METAL SCREW;
4 SCREWS REQUIRED PER ANCHOR;
MIN EMBEDMENT = 1"
MIN EDGE DISTANCE = 0.524"
MIN CAPACITY PER SCREW = 67 LB

16 ga (0.053" MIN.)
WOOD STUD ANCHOR



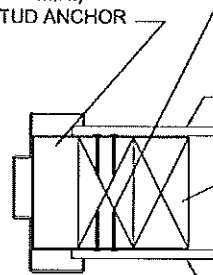
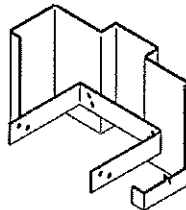
EXTERIOR SHEETING

WOOD STUD

INTERIOR DRYWALL

WOOD STUD ANCHOR
WITH #8 X 1" GRADE 5
SHEET METAL SCREW;
4 SCREWS REQUIRED PER ANCHOR;
MIN EMBEDMENT = 1"
MIN EDGE DISTANCE = 0.524
MIN CAPACITY PER SCREW = 67 LB

16 ga (0.053" MIN.)
WOOD STUD ANCHOR



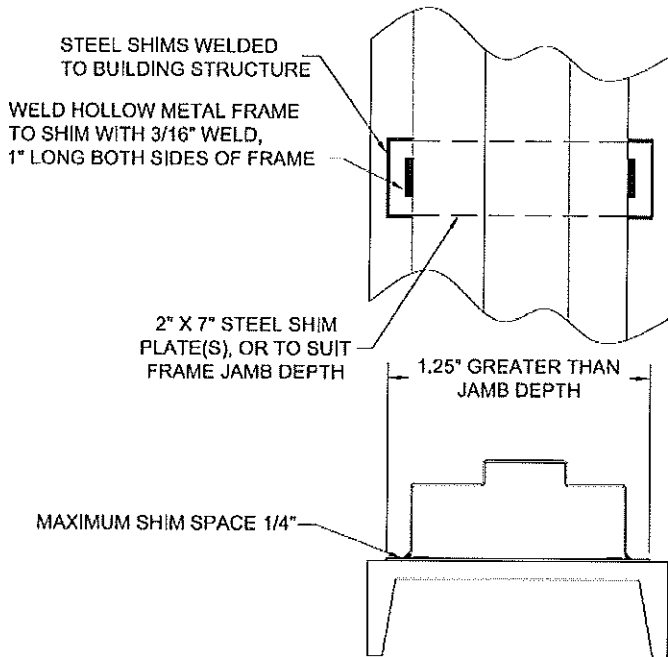
EXTERIOR SHEETING

WOOD STUD

INTERIOR DRYWALL



MP
7-2-10

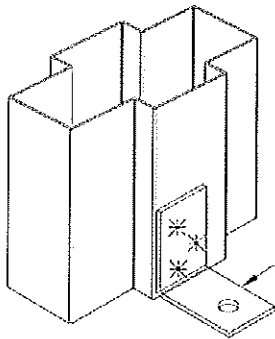


Hollow Metal Mullion Anchor Requirements – 70 psf Products

- 1.) Sill end of hollow metal mullions may only be anchored using 3/8" lag bolts into southern pine or expansion shell anchors bolts into masonry.
- 2.) The head end of mullions may be anchored using any of the jamb anchors as indicated below.

ANCHOR REQUIREMENTS AT THE HEAD END OF HOLLOW METAL MULLIONS					
ANCHOR TYPE	QUANTITY REQUIRED	REQUIRED EMBEDMENT	SUBSTRATE	MIN EDGE DISTANCE	MIN. CAPACITY PER ANCHOR
ANCHORS WITH 3/8" LAG BOLT	4	3"	WOOD	1.75"	292 LBS
ANCHORS WITH 3/8" EXPANSION SHELL BOLT	2	2.5"	2000 PSI CONCRETE	2.25"	584 LBS
STEEL STUD ANCHORS WITH FOUR #8 x 1" SHEET METAL SCREWS	4	N/A	18 GAUGE STEEL STUD	0.328"	292 LBS
WOOD STUD ANCHORS WITH FOUR #8 x 1" SHEET METAL SCREWS	2	1"	WOOD	0.528"	584 LBS
WELDED TO BUILDING STRUCTURE	2	N/A	STEEL	N/A	584 LBS

ANCHOR REQUIREMENTS AT SILL END OF HOLLOW METAL MULLIONS					
ANCHOR TYPE	QUANTITY REQUIRED	REQUIRED EMBEDMENT	SUBSTRATE	MIN EDGE DISTANCE	MIN. CAPACITY PER ANCHOR
ANCHORS WITH 3/8" LAG SCREW	4	3"	SOUTHERN PINE	1.75"	292 LBS
ANCHORS WITH 3/8" EXPANSION SHELL ANCHOR	2	2.5"	2000 PSI CONCRETE	2.25"	584 BS



12 GA (0.094" MIN)
MULLION FOOT CLIP AT
SILL END OF THE MULLION

Hinges

- 1) Any Steel Door Institute (SDI) Member hinge spacing.
- 2) Minimum hinge size is 4-1/2" Std. Wt. unless otherwise noted.
- 3) Approved continuous hinges and pivots are allowed.

Locks

- 1) Any SDI Member lock locations.

Glazing and Louvers – 70 psf product only

- 1) Curries Vision Light Kit- Minimum 18 gauge (0.041") when required.
- 2) Markar WLV60 Louver with 12 gauge impact resistant security grille or any windstorm listed louver may be used.
- 3) Surround Channel – Minimum 20 gauge (0.032")
- 4) Approved Polycarbonate (1/4" minimum thickness), or GLASSLAM.

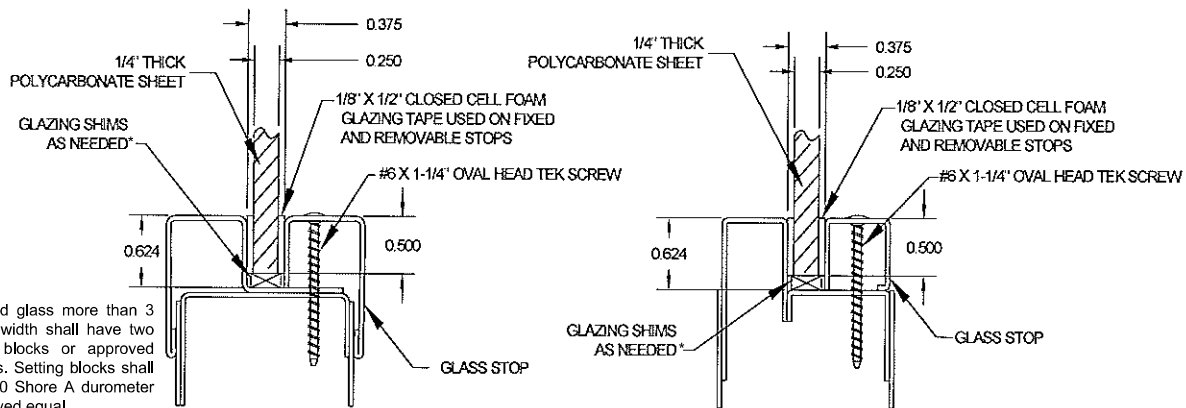
Frame

- 1) Pairs of doors with frame heads with faces greater than 2" must be anchored using 2 anchors in the head, one each 16" from the centerline of the head or grouted full with 2600 psi concrete.
- 2) Four sided frames allowed. Sills of four sided frames for pairs of doors must be anchored using 2 anchors in the sill, one each 16" from the centerline of the head or grouted full with 2600 psi concrete.
- 3) Install frames per ANSI A250.11 and these instructions.

Mullions – 70 psf product only

- 1.) Exit devices used on pairs of doors may be installed using an approved hardware mullion or a reinforced hollow metal mullion.
- 2.) When cylindrical locks and mortise locks with deadbolts are installed with mullions, the mullions must be a hollow metal type mullion.
- 3.) Hollow metal mullions must be face welded.

Polycarbonate Glazing Instructions



*Each light of fixed glass more than 3 feet (914 mm) in width shall have two approved setting blocks or approved suspension clamps. Setting blocks shall be Neoprene 70-90 Shore A durometer hardness or approved equal.

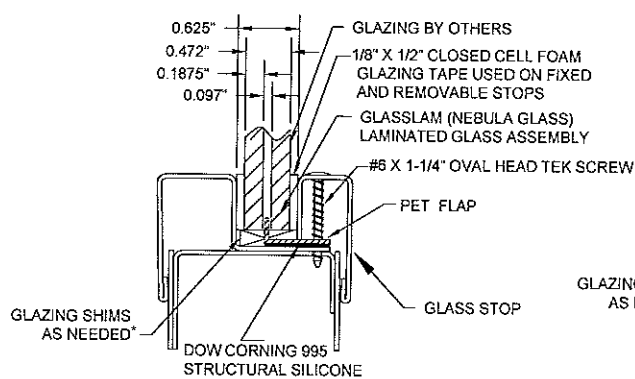
Curries Type 1 Vision Light Kit

Curries Type 3 Vision Light Kit

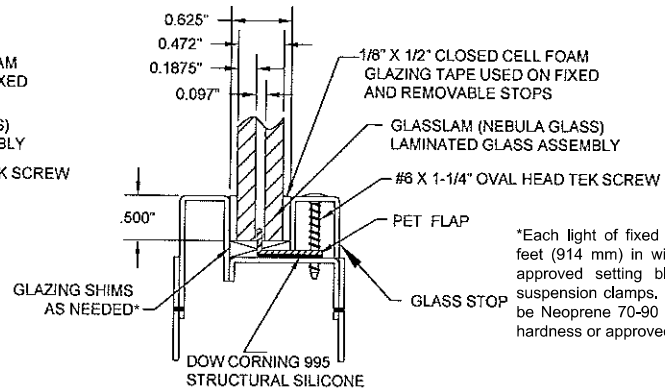
- 1) Before removing the removable stops, check to be sure there are screws in every hole. Pre-drill holes with a #36 bit where there are screw holes but no screws. Do not remove stops.
- 2) Using a pencil, mark alignment marks on the removable stops and the door.
- 3) Unscrew the #6 x 1-1/4" oval head TEK screws from the removable stops and remove the removable stops. Keep the screws.
- 4) Apply 1/8" x 1/2" closed cell foam glazing tape to the fixed stop.
- 5) If there is plastic release on the foam glazing tape, pull the plastic release back about 2" from each end of the foam tape. Pull the plastic release around the fixed stop so it can be grasped after placing the polycarbonate on the unexposed foam tape.
- 6) If there is paper release on the foam glazing tape, remove the paper release before glazing. Spray the exposed foam tape with a mild soap solution immediately before placing the polycarbonate on the exposed foam tape.
- 7) Place glazing shims, as needed, then set the polycarbonate on the foam glazing tape.
- 8) Adjust the polycarbonate, as necessary, to center the polycarbonate in the cutout.
- 9) If the release is plastic, grasp the free end of the plastic release, while holding the polycarbonate to keep it from moving. Then slowly pull the plastic release off the foam tape that was applied to the fixed stop.
- 10) Apply 1/8" x 1/2" closed cell foam glazing tape to the removable stop.
- 11) If there is plastic release on the foam glazing tape, pull the plastic release back about 2" from each end of the foam tape. Pull the plastic release around the removable stop so it can be grasped after placing the removable stop on the polycarbonate.
- 12) If there is paper release on the foam glazing tape, remove the paper. Spray the exposed foam tape with a mild soap solution immediately before placing the removable stops against the polycarbonate.
- 13) Using the alignment marks, position the removable stops against the polycarbonate.

- 14) Install and tighten the #6 x 1-1/4" oval head TEK screws in the removable stops. Be careful not to over tighten.
- 15) If the release is plastic, grasp the free end of the plastic release, and slowly pull the plastic release off the foam tape that was applied to the removable stop.
- 16) Using the Dow Corning 995 silicone or other high quality silicone, apply a cap bead over the closed cell foam tape on the exterior side of the door vision light kit.

Glasslam Glazing Instructions



Curries Type 2 Vision Light Kit



Curries Type 3 Vision Light Kit

*Each light of fixed glass more than 3 feet (914 mm) in width shall have two approved setting blocks or approved suspension clamps. Setting blocks shall be Neoprene 70-90 Shore A durometer hardness or approved equal.

- 1) Before removing the removable stops, check to be sure there are screws in every hole. Pre-drill holes with a #36 bit where there are screw holes but no screws. Do not remove stops.
- 2) Using a pencil, mark alignment marks on the removable stops and the door.
- 3) Unscrew the #6 x 1-1/4" oval head TEK screws from the removable stops and remove the removable stops. Keep the screws.
- 4) Apply 1/8" x 1/2" closed cell foam glazing tape to the fixed stop.
- 5) If there is plastic release on the foam glazing tape, pull the plastic release back about 2" from each end of the foam tape. Pull the plastic release around the fixed stop so it can be grasped after placing the Glasslam on the unexposed foam tape.
- 6) If there is paper release on the foam glazing tape, remove the paper release before glazing. Spray the exposed foam tape with a mild soap solution immediately before placing the Glasslam on the exposed foam tape.
- 7) Place glazing shims, as needed, then set the Glasslam on the foam glazing tape.
- 8) Adjust the Glasslam assembly, as necessary, to center the assembly in the cutout.
- 9) If the release is plastic, grasp the free end of the plastic release, while holding the Glasslam to keep it from moving. Then slowly pull the plastic release off the foam tape that was applied to the fixed stop.
- 10) Trim the PET flap so it is flush with the door face.
- 11) Take a putty knife and insert it between the PET flap and the edge of the cutout in the door. Using the putty knife pull the PET flap away from the cutout in the door.
- 12) While holding the PET flap back away from the cutout with the putty knife, use a caulking gun to apply Dow Corning 995 silicone between the PET flap and the steel in the cutout of the door.

IMPORTANT: Ensure that the Dow Corning 995 silicone fully wets out or covers the PET flap and comes in contact with the steel around the cutout in the door.

- 13) Slowly move the putty knife around the door ahead of the caulking gun and apply the 995 silicone around the entire cutout in the door.
- 14) Apply 1/8" x 1/2" closed cell foam glazing tape to the removable stop.
- 15) If there is plastic release on the foam glazing tape, pull the plastic release back about 2" from each end of the foam tape. Pull the plastic release around the removable stop so it can be grasped after placing the removable stop on the polycarbonate.
- 16) If there is paper release on the foam glazing tape, remove the paper. Spray the exposed foam tape with a mild soap solution immediately before placing the removable stops against the Glasslam.
- 17) Using the alignment marks, position the removable stops against the Glasslam.
- 18) Install and tighten the #6 x 1-1/4" oval head TEK screws in the removable stops. Be careful not to over tighten.
- 19) If the release is plastic, grasp the free end of the plastic release, and slowly pull the plastic release off the foam tape that was applied to the removable stop.
- 20) Using the Dow Corning 995 silicone or other high quality silicone, apply a cap bead over the closed cell foam tape on the exterior side of the door vision light kit.

Thresholds and Weather-strip

1.) Thresholds

McKinney Products Part Nos. MCK177, MCK181, MCK2005

National Guard Part Nos. 803, 804, 896, 8315

Pemko Part Nos. 177, 181, 2005

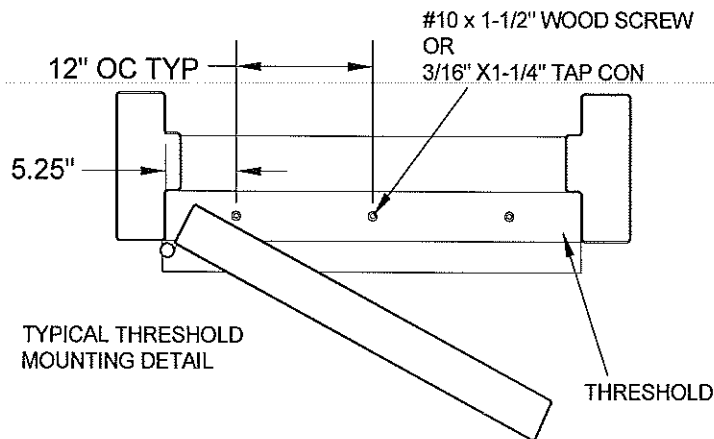
2.) Weather-Strips

McKinney Products Part Nos. MCKS88, MCK303 (Use MCK303 with continuous hinges)

National Guard Part Nos. 160, 5050 (Use 160 with continuous hinges)

Pemko Part Nos. S88, 303 (Use 303 with continuous hinges)

Threshold Installation



NOTE: 1/8" CLEARANCE BETWEEN THE BOTTOM OF THE DOOR AND THE THRESHOLD IS TYPICAL