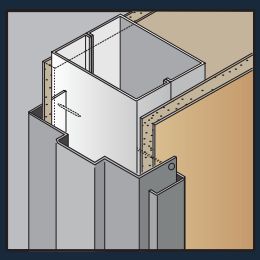
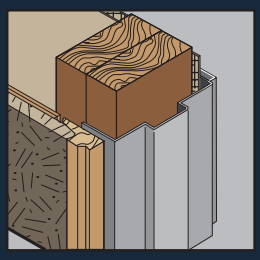
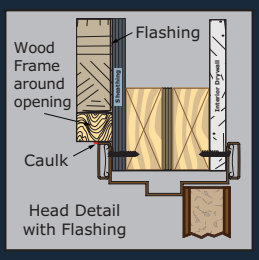
TIMELY TRAINING MANUAL

FRAME APPLICATIONS | FRAMING REQUIREMENTS







TIMELY®
PREFINISHED STEEL DOOR FRAMES
A DIVISION OF S.D.S. INDUSTRIES, INC.

TRAINING MANUAL

TABLE OF CONTENTS

SOLUTION – STEEL DOOR FRAME COMPARISON

THE TIMELY SOLUTION

THE TIMELY SOLUTION – AN OPENING CONCEPT, NOT A PRODUCT. THIS SOLUTION COMBINES SUPERIOR PERFORMANCE AND DESIGN FLEXIBILITY – THE BEST OF BOTH WORLDS – WHILE ACTUALLY REDUCING THE TOTAL OPENING COST.

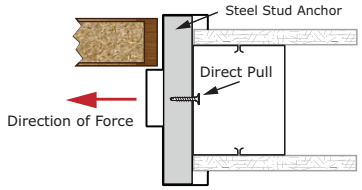
Timely Industries has been in existence since 1971 but the founder of the company patented the original prefinished, applied casing door frame in the mid 1960s. Through the years, Timely has combined quality products, unmatched service, and innovative design to achieve its position as the undisputed leader in its product category. The following information is intended to reveal facts and dispel myths about the pre-finished opening concept and the use of light Gauge steel frames with applied casing.

FRAME TYPES

WELDED MASONRY FRAMES

Are delivered to the project ready for installation. These frames must be at the project site when the walls are being constructed. Even though they are welded at the corners, they still anchor to the wall using the same anchoring system as a knocked down frame.

16 Ga. Masonry Frame - Welded or Knocked Down (KD)

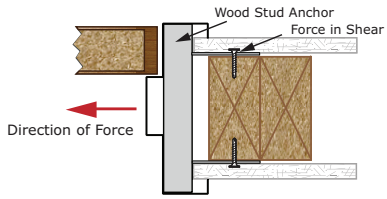


6 Steel Stud Anchors (12 Fasteners) - Force in Direct Pull

KNOCKED DOWN MASONRY FRAMES

Are identical to welded frames except the jambs and headers are mechanically interlocked at the jobsite prior to installation.

16 Ga. Masonry Frame - Welded or Knocked Down (KD)

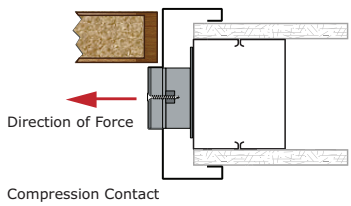


6 Wood Stud Anchors (12 Fasteners) - Force in Direct Pull

KNOCKED DOWN DRYWALL FRAMES

Are installed after walls are finished and are mechanically interlocked once they are on the wall. They are aligned using a compression contact that pushes against the stud. These frames are mechanically attached to the wall only at the bottom of each jamb.

16 or 18 Ga. Drywall Frame - Knocked Down

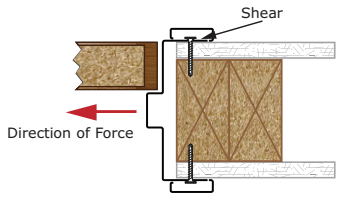


Compression Contact

PRE-FINISHED DRYWALL FRAMES

with applied casings describe Timely frames. These frames are installed over a finished wall and mechanically anchored the full perimeter on both sides. Casing is applied to conceal the fasteners.

20 Ga. Prefinished Drywall Frame - Knocked Down (KD)



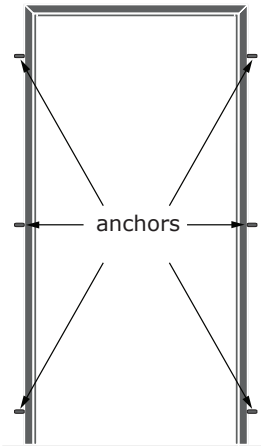
(40 Fasteners) - Force in Shear

10241 Norris Avenue, Pacoima, CA 91331 | 818.492.3500 or 800.247.6242 | info@TimelyFrames.com | www.TimelyFrames.com

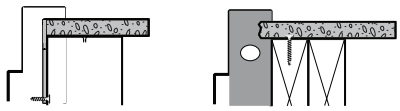
SOLUTION – INSTALLATION AND ANCHORAGE

16 GAUGE MASONRY FRAMES

16 Gauge Masonry Frames anchor to the wall using light Gauge steel clips inserted into the back of the frame. For steel stud application, the frame must be at opening when the walls are built. The frame is set in place and plumbed. The studs are moved tight to the anchors and screwed into the back of the anchor. This results in direct pull on the screws making it easier to move the frame assembly when the rest of the opening forces are applied.

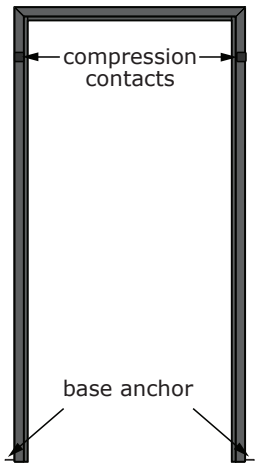


HOLLOW METAL MASONRY FRAMES
uses 6 Wall anchors, and 2 floor anchors

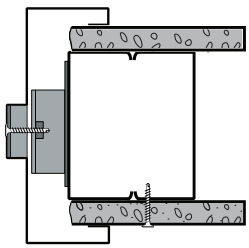


16 GAUGE OR 18 GAUGE HOLLOW METAL DRYWALL FRAMES

16 Gauge or 18 Gauge Hollow Metal drywall frames slip over a finished wall. They arrive at the opening after the wall is finished but before painting. The returns on the frame will not allow it to conform to wall surface variation and, in most cases, the space between the frame and wall must be caulked. These frames use a compression mechanism that provides no physical attachment to the structure. The compression screws are adjusted in or out to plumb the jambs in the opening. At the base of each jamb, a screw is applied through the face of the frame or to an anchor strap that is covered by the base material. This base anchor provides the only physical interlock with the structure making this type of frame very easy to deflect when the rest of the opening forces are applied.

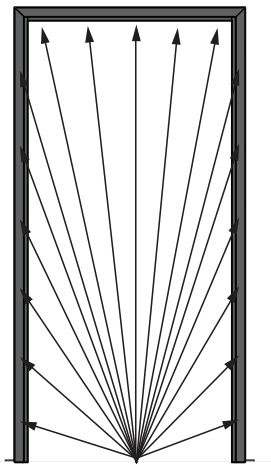


HOLLOW METAL
MASONRY FRAMES
uses 2 Base anchors,
and 2 compression contacts

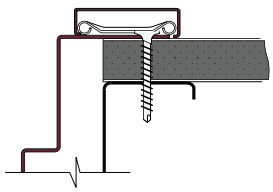


18 GAUGE OR 20 GAUGE PREFINISHED DRYWALL FRAME WITH APPLIED CASING

Slip over the finished wall after the wall has been painted or wall coverings have been applied. Because it has a flat edge with no return, it easily conforms to the wall surface when fasteners are applied. This feature eliminates the caulking required with many hollow metal and extruded aluminum frames. Fasteners are applied around the entire perimeter on both sides of the frame making the door and frame assembly part of the structure. With this system, the door is placed in the frame and the frame pieces are aligned to the door guaranteeing a perfect fit every time. The casing is applied to conceal the fasteners. This system also allows the frame to be easily demounted and re-used in another location as occupancy needs change.



PRE-FINISHED DRYWALL
FRAME – Applied casing
covers minimum of 40
anchors to structure



Screw applied to studs every 11” around
full perimeter- both sides of frame

SOLUTION – PERFORMANCE COMPARISION

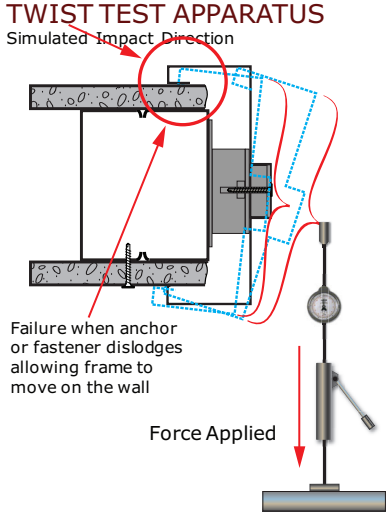
Now that we have explained the types of frames we are comparing, it is important to understand the assumptions - and myths – about steel frames. Since the prefinished drywall frame with applied casing is normally 20 Gauge instead of the traditional 16 Gauge of hollow metal frames, it is assumed that only doors 3'0" or less can be used because of the added stress of wide or heavy doors. When using a heavy door, it is assumed that the frame will move making the door sag. It is also assumed that since the steel is lighter gauge, there is less security. And, of course, there is the belief that the heavier the Gauge of material, the better the frame will perform under stress and in fire tests.

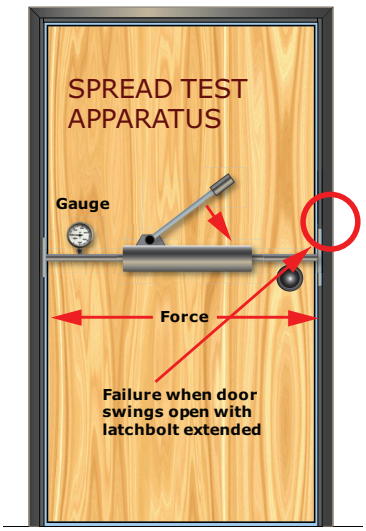
We devised tests to compare the performance of each frame type in identical conditions in both wood stud and steel stud walls. Although these are not established ASTM test methods, the testing was designed to test three different products in exactly the same conditions which establishes a basis for legitimate comparison. These tests served only to compare the response of each door frame to the identical force in the identical wall. All test specimens were examined by and all test results were certified by Product Evaluation and Certification, Inc., an independent testing organization.

TWIST TEST

The twist test was performed on each frame to assess its ability to resist lateral forces caused by carts, gurneys, lugGauge racks or other items that often impact door frames. Granted, sometimes the force is enough to dent the frame but the main concern is whether or not the frame will continue to function after it is impacted.

TWIST TEST APPARATUS

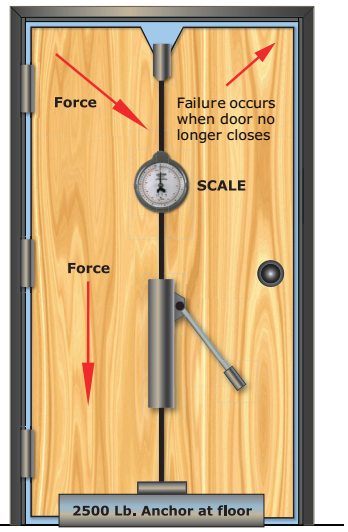




SPREAD (SECURITY) TEST

The next test, comparison of security, was designed to replicate a very common means of forced entry. To test each frame, a hydraulic cylinder (Port-a-power) was used to spread the jamb legs far enough apart to allow the door to swing free with the latchbolt extended.

TOTAL DOOR WEIGHT APPARATUS



TOTAL DOOR WEIGHT TEST

The last test was designed to compare the total door weight capacity. Solid core wood doors were hung on the frames using standard commercial weight hinges. Weight was added to the door incrementally to simulate the added force of heavier doors. For this test, door width was not a factor since the only affect of a wider door is its additional weight. The forces applied by the door work laterally toward the strike jamb at the top of the opening and laterally toward the hinge jamb at the bottom of the opening.

SOLUTION – TEST RESULTS

LATERAL IMPACT (TWIST) TEST

When comparing the two different types of hollow metal frames, the drywall frame was easily dislodged from the wall because there is no physical anchorage to the structure. When force was applied, the frame peeled off the wall. The 16 Gauge frame performed better than the drywall frame. With only 3 anchors to the structure, the jamb was eventually peeled away – the frame may have been 16 Gauge but the standard anchors are 18 Gauge and were easily dislodged from the back of the frame. The 20 Gauge Timely frame, anchored directly to the structure, performed equally as well as the 16 Gauge frame, and clearly out-performed the 18 Gauge drywall frame in both steel stud and wood stud walls.

SECURITY (SPREAD) TEST

As can be clearly seen, the light Gauge frame, anchored securely to the structure required far more pressure to get the door open. The stop on the frame absorbed the force without moving the rest of the jamb. In this case, the heavier metal was easier to deflect because of its rigidity.

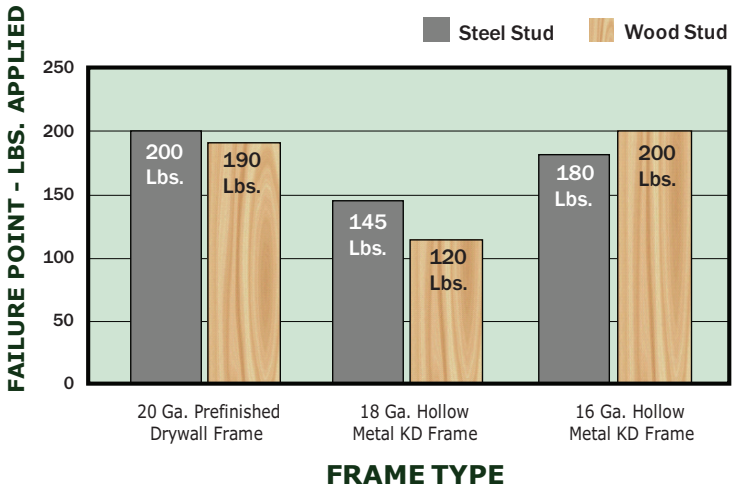
Other security testing using a swinging weight showed similar performance of all three steel frames. The hardware failed long before the frame failed.

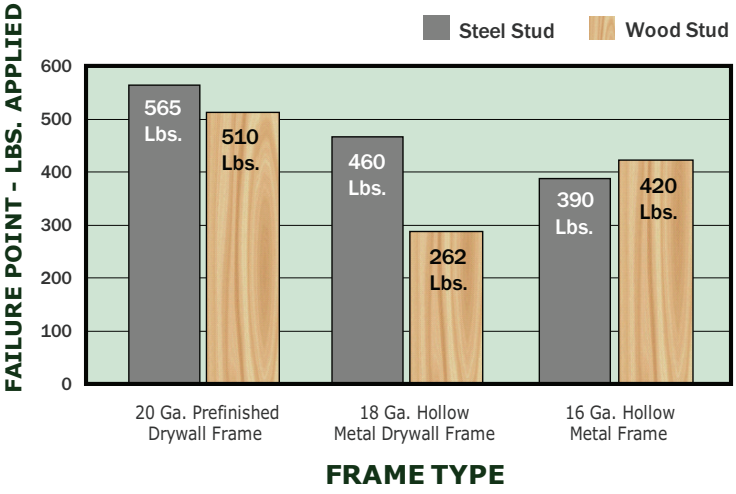
TOTAL DOOR WEIGHT TEST

The two hollow metal frames deflected in the opening at under 300 pounds of force. The Timely frame was still in alignment at 500 pounds of force, the limit of the test apparatus. For perspective, the approximate weight of a 4'0" x 8'0" mineral core fire door is less than 200 pounds. The Timely 20 Gauge frame is clearly able to support heavy doors, even those that are too heavy for traditional hollow metal frames.

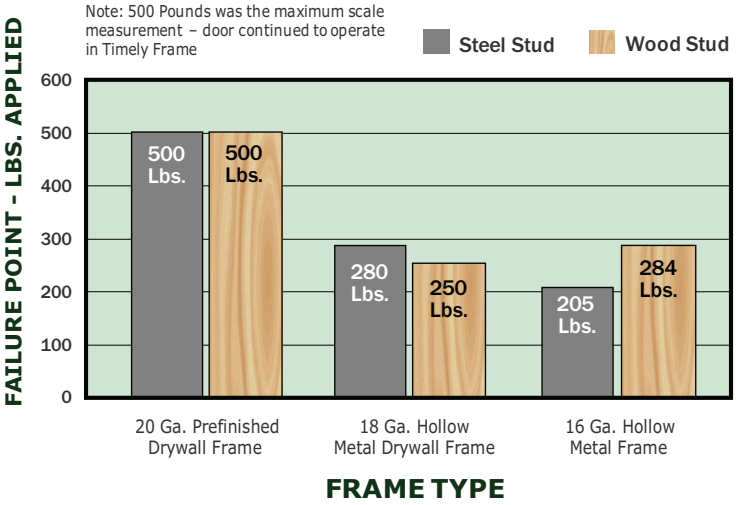
LATERAL IMPACT (TWIST)

Force applied to frame until frame, anchors, or fasteners dislodged





Note: 500 Pounds was the maximum scale measurement – door continued to operate in Timely Frame



Independent testing conducted and Certified by Product Evaluation & Certification, Inc. (PEC) – 4/24/86

SOLUTION – INSTALLED COST COMPARISON

If improved performance and greater design flexibility aren't sufficient reasons to consider this system, the significant cost savings in jobsite labor make this system even more appealing.

When considering various products, we often compare the price of the item itself. In this case, when the pre-finished drywall frame with applied casing is compared to a hollow metal frame, both types are initially priced within a few dollars of each other. But, the cost of distribution, installation and finishing greatly increases the total opening cost for the traditional hollow metal frame.

With a hollow metal frame, the frame is taken to the opening area. Once the wall is assembled, the frame is then installed in the wall. Later, the painter goes to the opening to prepare the surface, cleaning, sanding, caulking and masking. Then, the first coat of paint is applied. A second or third coat of paint requires additional trips to the opening. Then, the same process is followed for the door and hardware. The labor involved is substantial and may total up to 5 hours!

With the pre-finished opening system, it is feasible to bring the frame, door and hardware to the opening in one trip. The complete unit is installed by a single laborer in around 30 minutes.

No prep work is required. The opening is installed at the end of the project after all other items are finished out and the flooring is installed. If desired, the furniture can be moved in avoiding the possibility of damage to the door or frame.

LABOR COST COMPARISON

Jobsite Labor Costs – Primed Hollow Metal Frames

Material Distribution:
One trip each for frame, door and hardware — 3*

Install:
One trip each for frame, door and hardware — 3

Finish Preparation:
One trip to opening — 1

Painting:
One trip per coat of paint — 2

Finish Touch-up and Cleaning:
Final trip to opening — 1

10 Trips

** Number is total trips to opening required*

15 minutes per trip plus installation labor time!

REDUCED COST

Jobsite Labor Costs – Pre-finished Frames with applied casings

Material Distribution:
Door, Frame and Hardware in one trip to the opening — 1*

Installation Labor:
Pre-finished Door, Frame and Hardware in one trip to the opening — 1

2

** Number is total trips to opening required*

SOLUTION – INSTALLED COST COMPARISON

The following charts show the relative comparison of costs for each product type. As mentioned earlier, a pre-finished door is a key component and contributes greatly to the labor savings. Though all products require some labor for distribution and installation, the pre-finished opening system far exceeds other systems in labor savings. When the material cost savings is combined with the labor savings, it is estimated that total cost savings of up to 60% can be achieved – for every interior opening on every project.

Frame Cost
5% savings

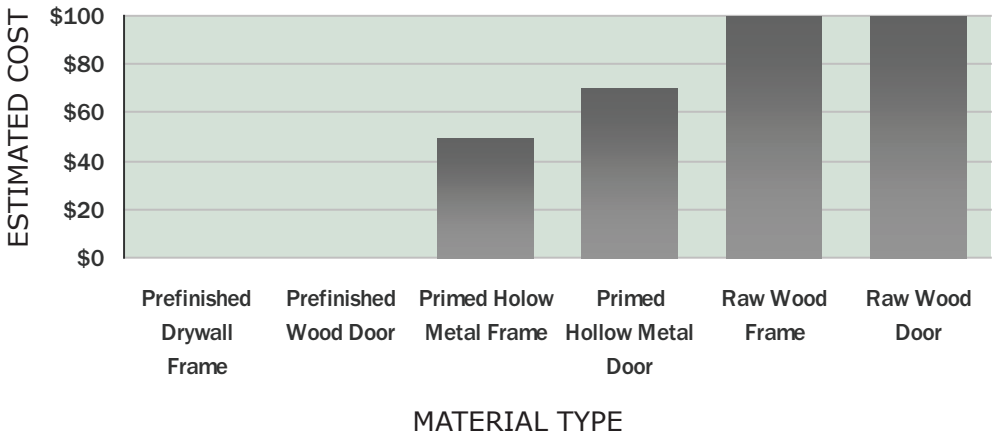
Finishing Labor
100% savings

Distribution Labor
Up to 2/3 savings

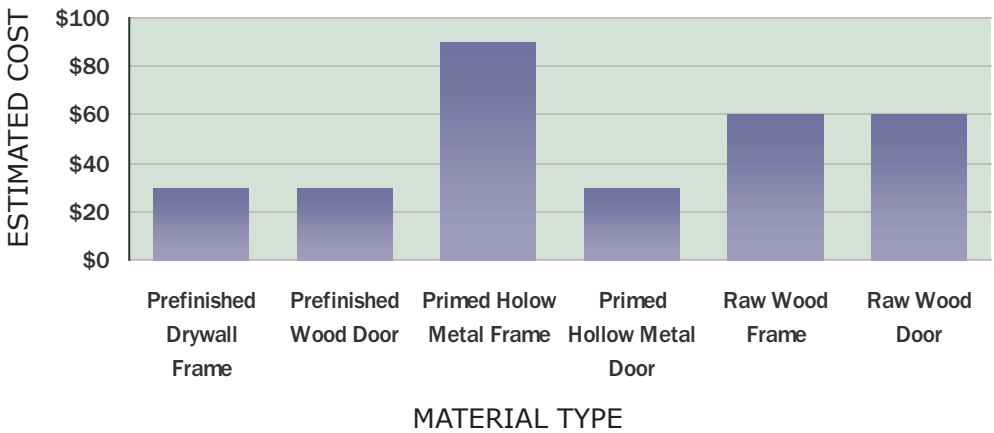
Installation Labor
Up to 2/3 savings

Total Opening Savings of at least 40%!

FINISHING COST COMPARISON



LABOR COST - DISTRIBUTION AND INSTALLATION



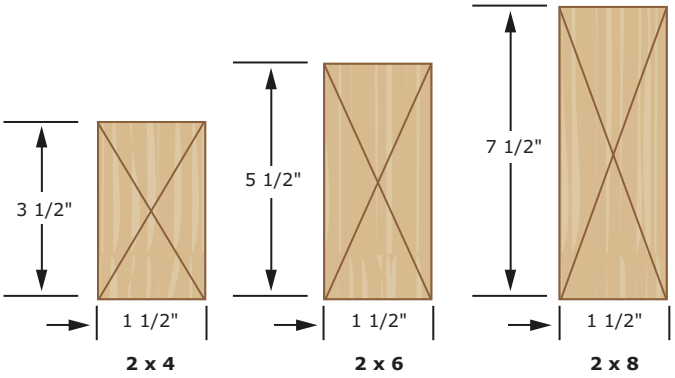
SOLUTION – SUMMARY

The openings in any building are the primary "moving parts" meaning they are tested on a daily basis. They provide access to or limit entry to the building depending on the security requirements. They serve as barriers to fire, smoke, sound and light when called upon. They open up interior spaces to natural light. They control traffic patterns throughout the building. They provide a means of escape and are the key to life safety in an emergency. Many building professionals place little priority on door openings because they represent such a small portion of the building's total cost. When considering the critical function they play in the day to day operation, security and safety of the building, building owners and operators must have door openings that perform without worry throughout the life of the building.

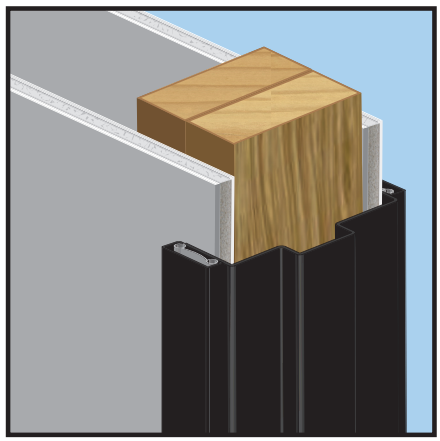
The pre-finished opening system is an alternative to traditional hollow metal frames providing superior performance at substantially reduced cost. Over the last 40 years, countless numbers of building owners, developers, contractors and distributors have changed their building standards for doors and frames. The advantages of a frame system that consistently performs beyond expectation at reduced initial cost made the initial decision simple. Timely pre-finished openings are easily maintained and can be relocated and reused as building needs change. And, when the building no longer serves its purpose, the frames are 100% recyclable. The Timely solution provides a low cost, high value, green and sustainable opening system that actually reduces the initial building cost while providing benefits that far exceed traditional steel frame systems.

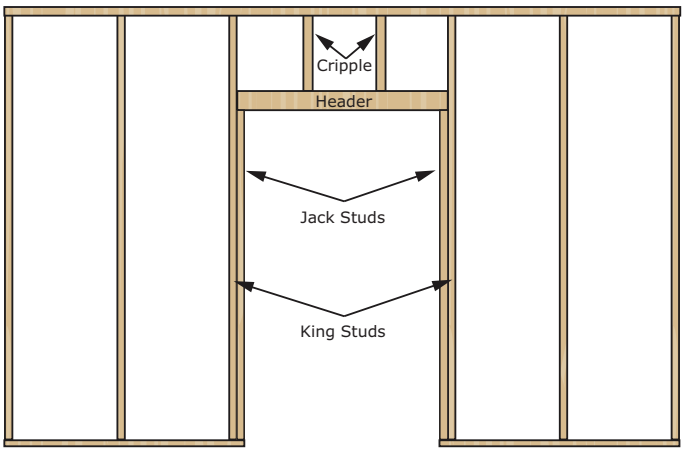
Superior Performance at Significant Lower Cost

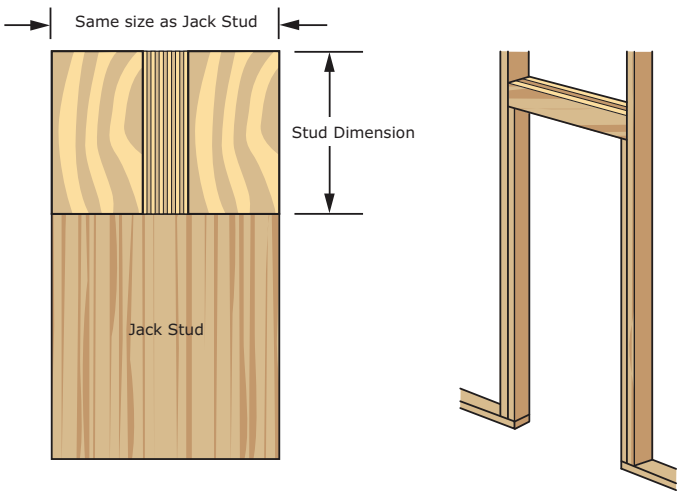
WOOD STUD WALLS



Wood Stud Dimensions





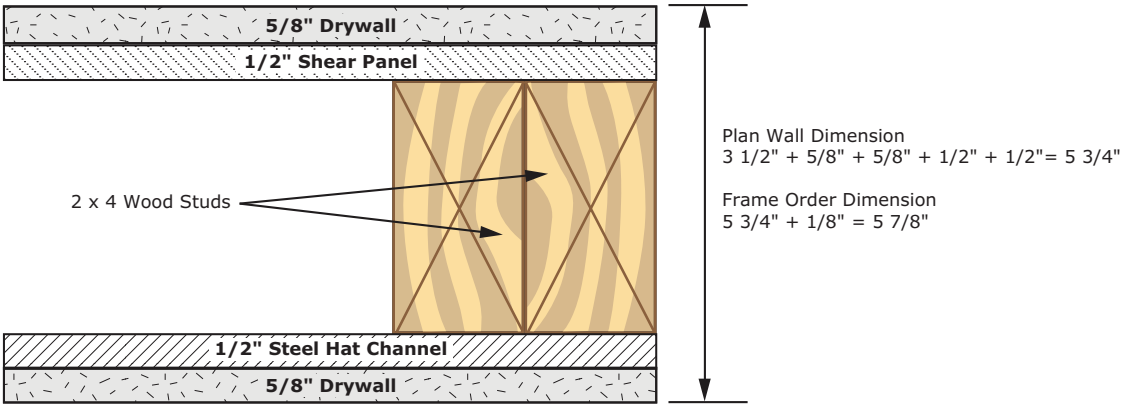


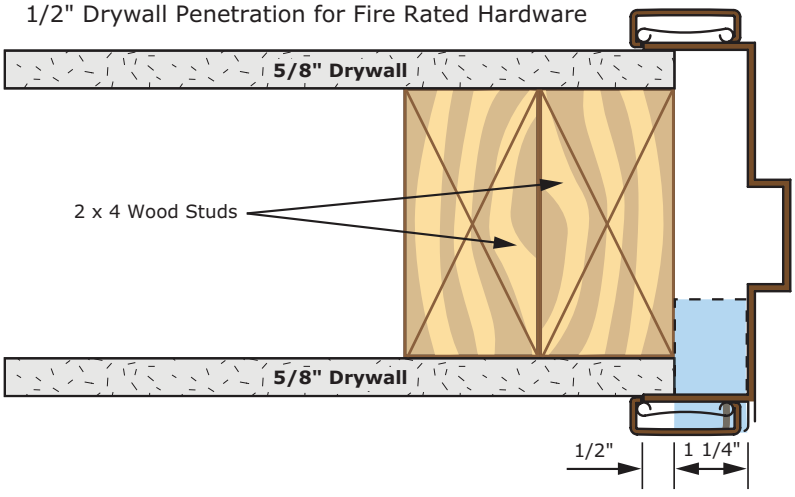
WOOD STUDS

Wood studs are furnished in several sizes but the most common sizes are 2 x 4 (2 by 4) and 2 x 6 (2 by 6). The net dimensions on wood studs are 1/2" less than the stated dimension. For example, a 2 x 4 is actually 1 1/2" x 3 1/2" and a 2 x 6 is actually 1 1/2" x 5 1/2". When framing an opening with wood studs, a king stud is attached to the floor plate and ceiling plate. A jack stud is then cut to the desired rough opening dimension and nailed to the king stud. The header is built from 2 x 4 or 2 x 6 studs laid on edge with 1/2" plywood spacer(s) to make the total dimension match the king stud thickness. The length of the header is 3" larger than the rough opening width. This method provides adequate structural support at the vertical members and a header adequately supported by the jack studs.

INTERIOR APPLICATIONS

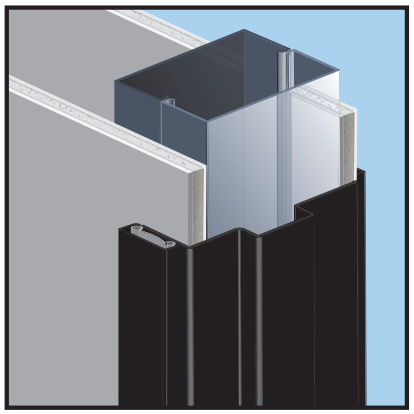
Once the opening is framed, other wall materials may be applied to the studs. For sound control, metal channels may be attached to provide a barrier between the drywall and stud. For structural requirements, a shear panel or other vertical stiffener may be applied to ensure compliance with structural loads. Once other materials are applied, the wall is covered with 1/2" or 5/8" gypsum drywall. Depending on the fire rating requirements of the wall, one or more layers of drywall may be applied to each side of the studs. As materials are added to the wall, the chances for "wall growth" increase. It is common for a wall shown on the architectural plans as a 4 3/4" wall to actually measure 4 7/8" when built on the project. Because of the reality of construction practices, we always recommend that the frame ordered is 1/8" larger than the wall dimension shown on the plans. If the customer is ordering based on jobsite measured actual wall sizes, it is not necessary to add 1/8". It is important that the jobsite measurements are taken at the head on both sides, the jamb at both sides and the bottom on both sides to make sure the frame order is based on the largest dimension.

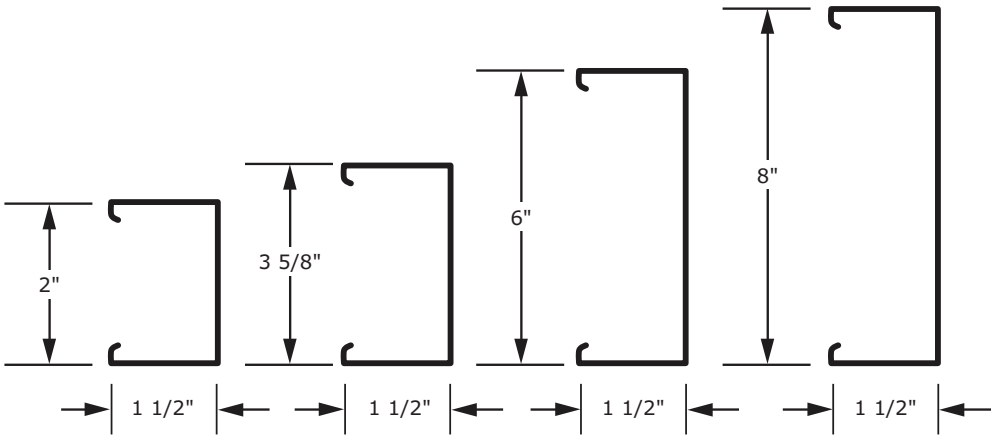




If the wall is fire rated, the drywall must penetrate the jamb by at least 1/2" around the full perimeter of the jamb on both sides of the opening. This is normally not an issue unless special mortised hardware is being used on the door. If fire rated hardware is being used, the stud and drywall must be notched out to provide clearance to install the hardware but the 1/2" drywall penetration cannot be disturbed where the strike is installed. Thus any fire rated hardware more than 1 1/4" deep will void the fire rating of the frame since it will preclude the 1/2" drywall penetration into the 1 3/4" Timely frame face.

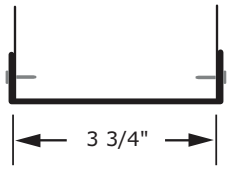
STEEL STUD WALLS





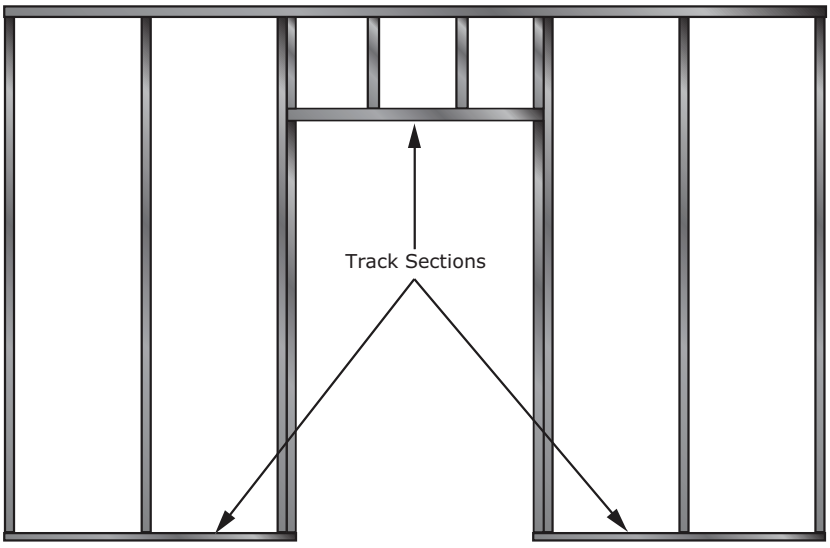
STEEL STUDS

Framing with steel studs is similar to wood studs structurally but cutting and fastening methods are significantly different. Instead of saws, hammers and nails, the installer uses snips, screw guns and screws. Wall systems are made using stud sections which have returns on the legs for additional rigidity, and track sections which have no returns and allow for easy insertion of the stud sections. For door openings, a double stud system is used but both studs extend full height into the top and bottom track.



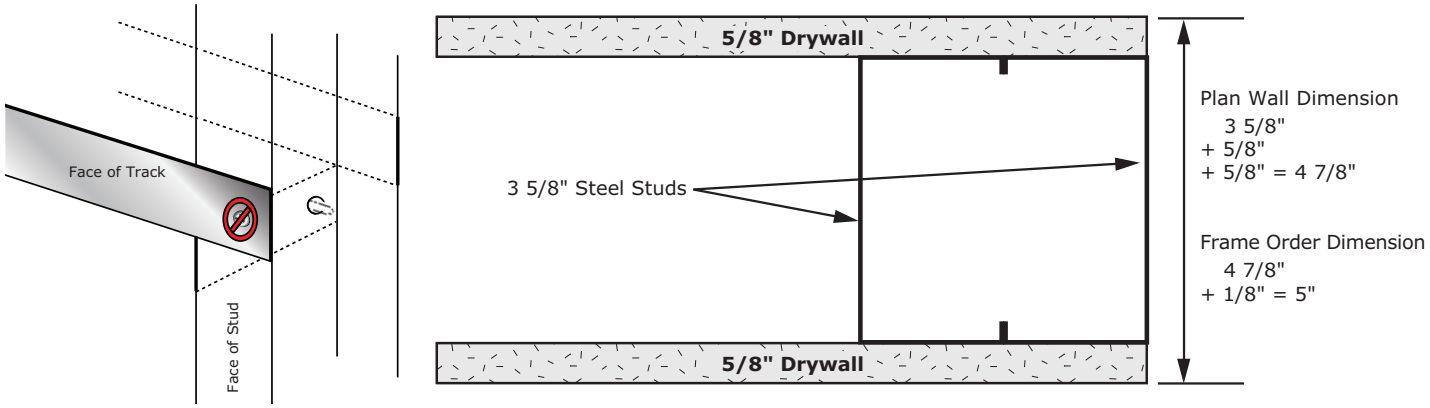
Track Sections - 1/8" larger than Stud Sections

There is no jack stud to rest the header on so a track section is used. The end of the track is cut with snips and the cut area is bent down to attach to the stud. Ideally, a screw is inserted in the bent section and into the stud in the same plane as the wall. But, usually, it is easier to insert a screw on the face of the track into the stud. This method is convenient for the framer but it causes considerable growth in the wall dimension at the head and at the bottom where the stud rests inside the bottom track. With steel stud framing, the wall will be at least 1/8" wider and sometimes up to 1/4" wider than the stud. We add 1/8" to the plan wall size with steel studs because we are certain that the wall will grow.



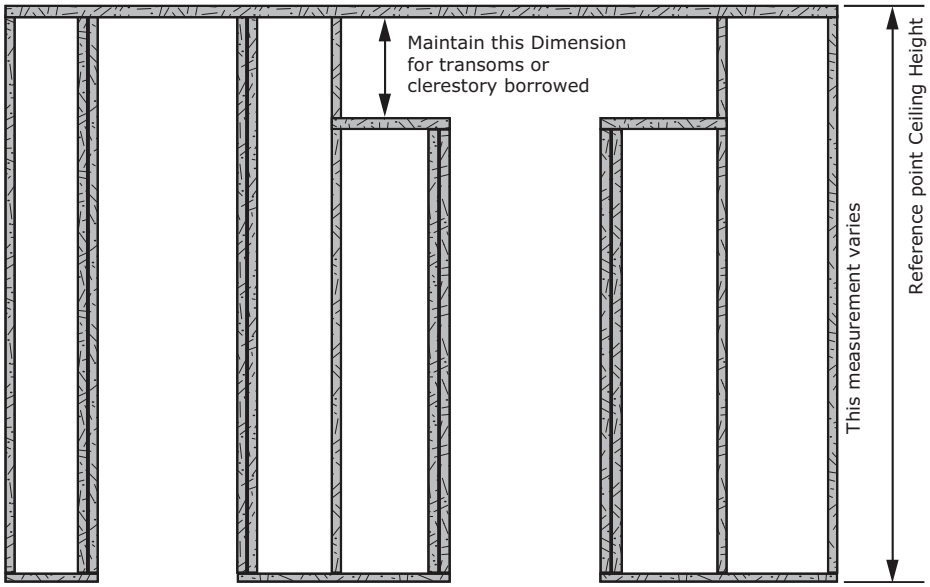
INTERIOR APPLICATIONS

After the wall is framed, wall materials are added similar to wood stud framing. If drywall is applied directly to the stud, it helps to set the screws at the header and base using a block of wood. This drives the head of the screw into the drywall and reduces wall growth. If applying solid materials to the wall, this is not possible and wall growth is a much more serious issue.



FULL HEIGHT PARTITIONS – STEEL OR WOOD STUD

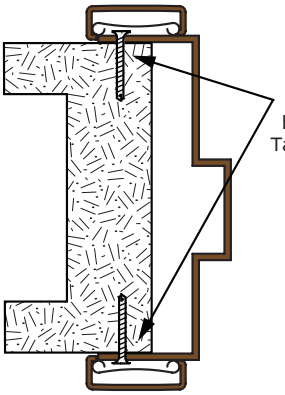
In some applications, walls are framed with door openings the full height of the wall. Since there are various methods of doing this there is no single recommendation for application of Timely frames. If a track section is used at the head, then we supply a frame with outside dimensions 1/4" less than the ceiling height. The reality of most jobsites is that the floor is uneven causing different measurements from the floor to the ceiling. The ceiling height dimension is defined using a laser level so all components line up in relation to the ceiling. The rough opening height will vary throughout the building so frames may have to be cut down at the bottom or raised off the floor to keep the headers at the same level. With aluminum frames, it is common to add 1" to the bottom of all frames (scribe extension) and cut each jamb to fit the condition. Unfortunately, it is much more difficult to cut prefinished steel so this is not a viable option for Timely frames. The customer can order the frames with a specific net height for each opening keeping all the hardware locations the same or, they can order all frames at a minimum height and allow the carpeting to cover the open space at the bottom.

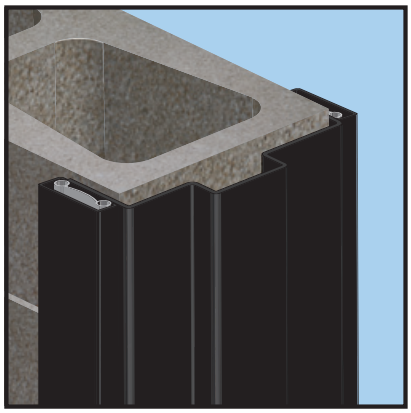


SOLID WALLS (MASONRY)

In some areas of the United States and in many rural locations, it is easier to frame buildings from concrete block (CMU), both interior and exterior walls.
When installing Timely frames in concrete block, two different methods are used. If the opening is made to Timely rough opening specifications, the frame can be slipped over the outside of the block similar to a stud and drywall partition. Instead of using drywall screws for fastening the frame, Tapcon fasteners are used. Install the frame per the standard instructions except that a pilot hole must be drilled for each fastener. Apply fasteners at each end of each component to stabilize the parts then go back and drill a pilot hole at each casing clip. The Tapcon screw will easily go into the pilot hole and the casing will cover the screws. Because it is impossible to properly flash this type of installation, do not use this method for exterior walls unless it is in a completely sheltered overhang location.

Masonry with wrap around frame





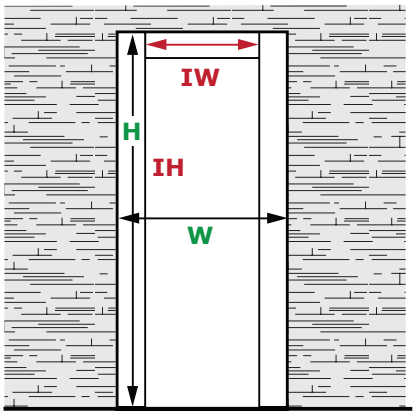
SOLID WALLS (MASONRY)

If the opening is made for Timely outside dimensions, then a sub frame is used. The sub frame consists of no stop insert material to fit the frame depth. The sub frame is anchored to the concrete using Tapcon screws and the Timely frame is installed over the sub frame. Because the sub frame is 18 gage, it is easier to use Tek self drilling screws instead of standard drywall screws to anchor the Timely frame.

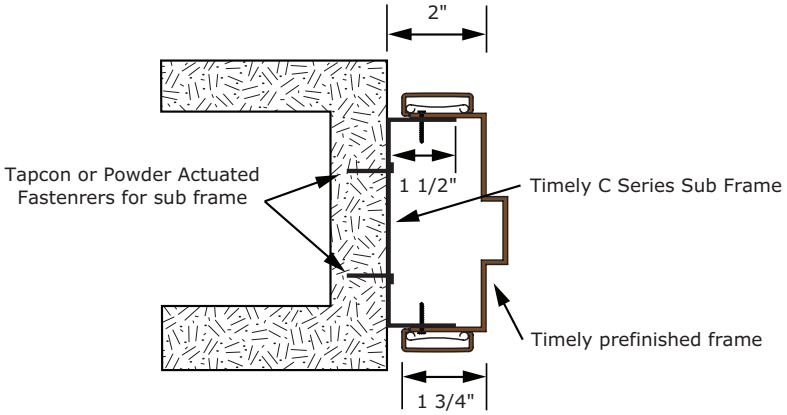
The part lengths of the sub frame and the size of the actual door frame are determined by the finished opening dimensions. Sub frame jambs are 1/16" less than the opening height. The sub frame header is opening width less 3 3/16".

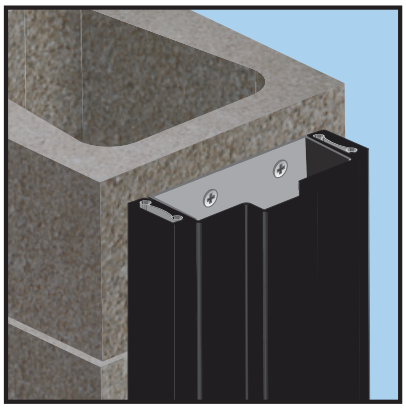
MASONRY WITH SUB FRAME

- Inside width dimension **W** = Frame inside width dimension + 4"
  3'0" frame – 3'4" (Frame overall = 3'3 ½")
- Inside Height dimension **H** = NET Frame inside dimension + 2"
  6'8 3/16" NET frame = 6'10 3/16" (Frame overall 6'9 15/16")
- Sub Frame jamb length **IH** = Existing opening height less 1/16"
- Sub Frame header length **IW** = Existing opening width less 3 3/16"



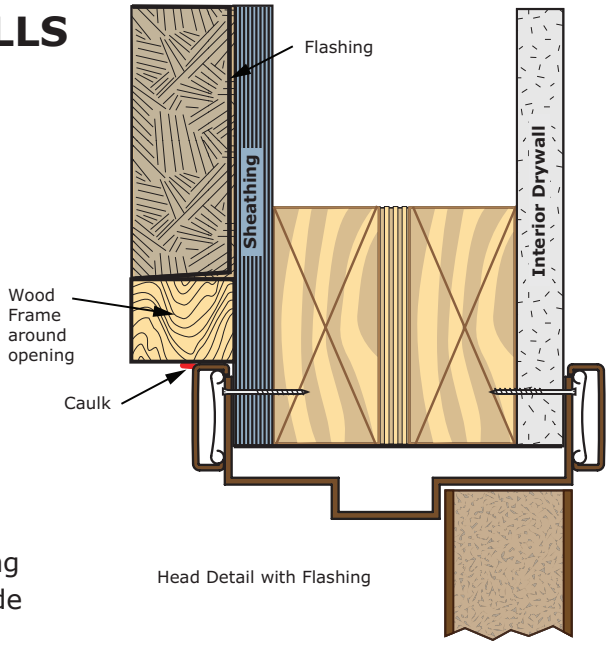
Timely Frame in Masonry Wall-Sub Frame Application





WOOD STUD WALLS

Exterior framing with wood studs is similar to interior walls but exterior finishes and flashing become the critical issues. Exterior openings must provide a barrier against air and water infiltration. This is accomplished using various methods of sealing the opening components and flashing the opening to prevent water from traveling from the exterior to the interior of the frame and the building. By recessing the opening under an overhang, the opportunity for falling water or even wind-driven water to reach the opening is greatly reduced. Even installing the frame with a sub frame creates an overhang that will normally suffice to eliminate the need for flashing.

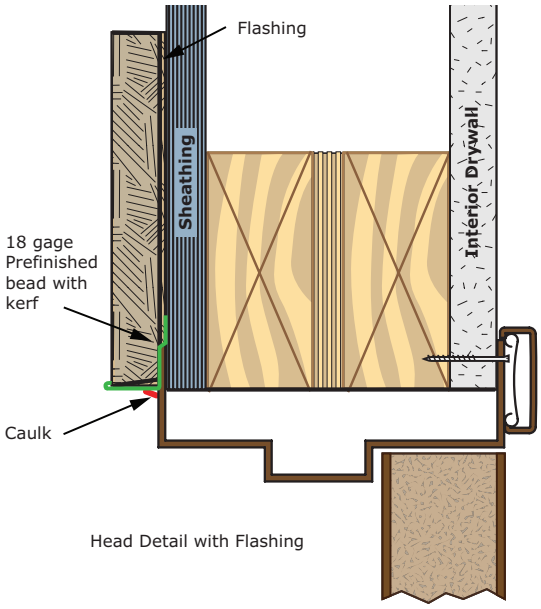


Head Detail with Flashing

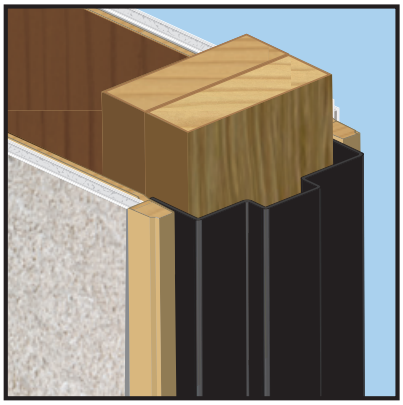
If the opening is to be installed without an overhang, a flashing method must be used that will direct the water to the outside of the frame. Since the Timely frame installs over a finished wall, it would sleeve over traditional flashing and the water would be directed to the inside of the frame. Moisture inside the frame leads to rust and an even more dangerous result – mold and mildew. Several options have been presented but there are only two basic methods to adequately flash an exterior frame.

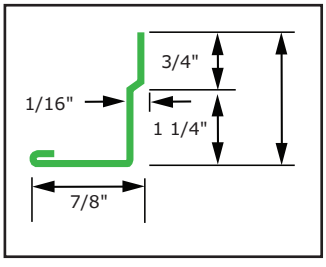
The easiest and most common method is to create a set-back, or mini overhang by building a wood frame around the opening slightly larger than the outside dimensions of the Timely steel frame. The wood frame is caulked and the flashing system is then applied to direct the water over the top of the wood frame and to the outside of the Timely frame

Because the exterior wall material is usually applied long before the opening is ready for a door frame, another possibility is to provide a metal bead or wood stucco ground with a kerf. The bead or wood ground is applied and the flashing and wall can be applied. When the drywall has been applied and the building is ready for the door frame, the exterior is ordered blank with no casing and slides into the kerf. If desired, a heat treated nail or drywall screw can be applied at the bead to anchor the frame and then the frameis caulked around the perimeter.



Head Detail with Flashing

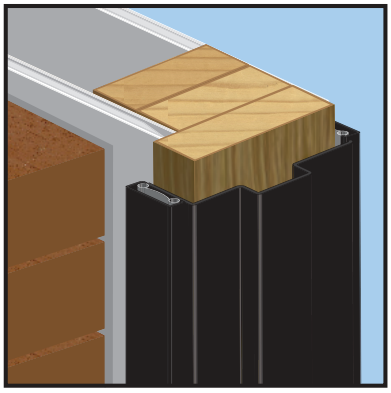




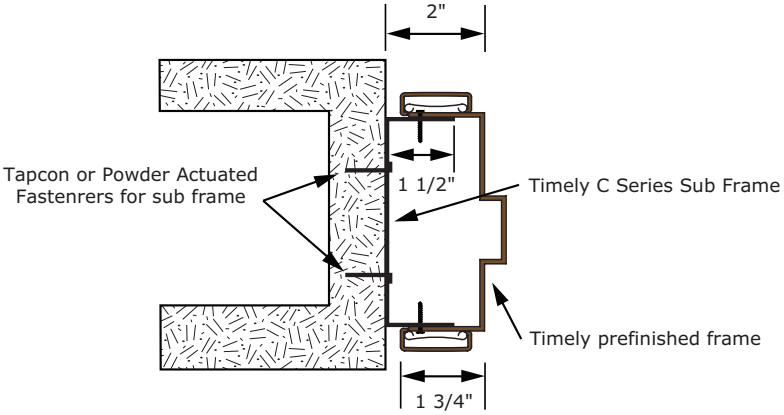
EXTERIOR APPLICATIONS

WOOD STUD/BRICK VENEER

Installation in a brick veneer wall is possible using a wood sub frame. The lintel at the head must be flashed to direct water to the outside. The lintel serves as an overhang making this installation possible as long as the frame is inset from the exterior wall surface.



Timely Frame in Masonry Wall-Sub Frame Application



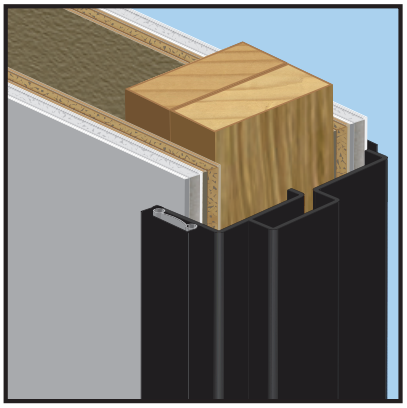
CONCRETE WALL (CAST IN PLACE OR TILT UP)

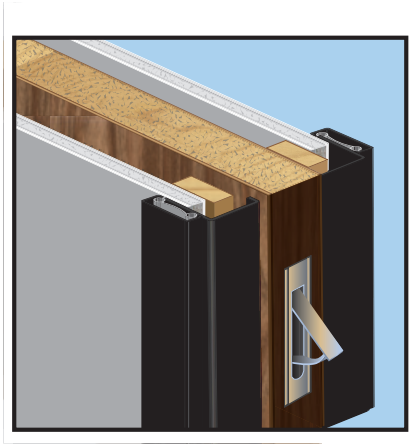
Installation for exterior tilt up or cast-in-place concrete openings is the same as for CMU using a steel sub frame. Do not use a frame sleeved over an exterior wall in any location where falling water may be an issue. It is also recommended that an aluminum drip cap be applied to the exterior of the opening to direct water away from the door frame.

OTHER WALL CONDITIONS

FIRE RATED PARTITIONS

Fire rated walls may require special wall materials and extra layers of drywall. Always check the plans and specifications against the published limitations and labeling criteria. All Timely fire ratings are approved for wood stud, steel stud and masonry walls.





POCKET DOOR TRIM

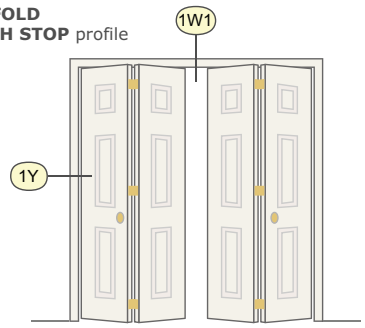
Timely supplies a pocket door trim kit used in place of traditional wood trim to provide a uniform appearance of all frames on the project. The framing is dictated by the pocket frame and track being used. The normal rough opening created by the pocket frame is 1" over nominal door width and 1" over nominal door height.

BI-FOLD AND BI-PASS DOORS

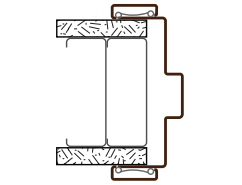
Bi-Fold doors use a classic frame with stop and no hardware preps. The frame is installed in the opening with the 1 15/16" rabbet on the closet side. The track is mounted to the frame behind the stop and the jamb pivot is secured to the floor. In operation, the stop on the frame replaces the wood applied stop on a traditional wood frame. The track is hidden at the top and the side gap is covered by the stop on the frame. Order the frame as a nominal width and height and standard Bi-fold doors, which are undersized 1/4" will fit the opening.

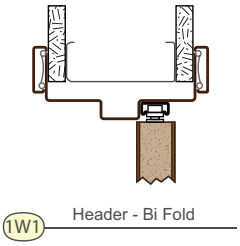
For Bi-pass doors the easiest solution is to use a cased opening frame. The track for the Bi-pass hardware must have a fascia to hide the hangers and rollers on the door. The frame is installed as a cased opening and the track is mounted to the underside of the header. TA-25 reinforcement plate can be used to reinforce the frame for screws or the track can be secured to the framing through the header. Since book size doors are used and there must be overlap, order the frame width as 1" under the total nominal width for the opening, and used standard Timely height.

BI-FOLD
WITH STOP profile

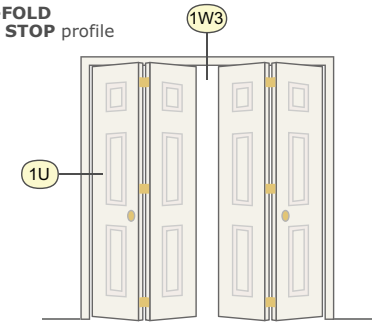


Classic Frame - **BI-FOLD**

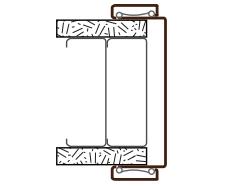


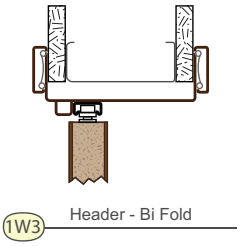


BI-FOLD
NO STOP profile

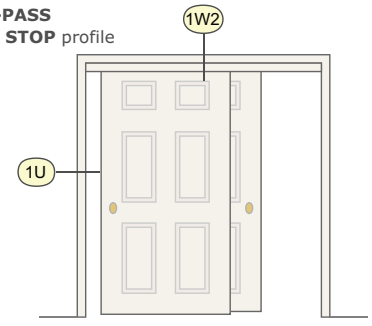


Classic Frame - **BI-FOLD**

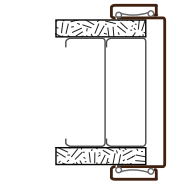


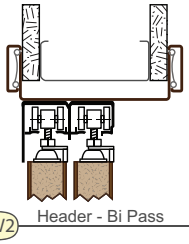


BI-PASS
NO STOP profile



Classic Frame - **BI-PASS**



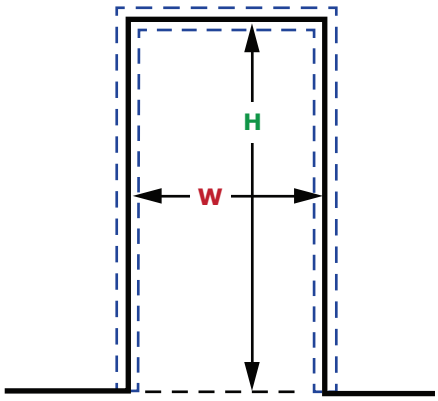


ROUGH OPENING DIMENSIONS

THREE SIDED DOOR FRAMES

WIDTH

Rough opening width is 1 1/4" over nominal door width. This provides for 5/8" clearance between the jamb and the wall. This clearance is necessary for the pocket on the strike and the projection of the hinge screws. Frames can be installed with smaller opening widths but, in some cases, the framing must be relieved to provide the necessary clearance for plumbing the frame and installing the hardware. Opening width maximum is 1 7/8" which allows 5/16" of the frame face against the wall. For wider rough openings, the frame must be positioned with equal clearance on both sides. (Use oval alignment slots to adjust clearance when installing)



W = Nominal Width + 1 1/4"
H = Nominal Height + 1" (Timely standard height)
H = Net Height + 13/16" (All other frame specs)

Rough opening width: Standard Frames (S,C,CK,E,A) - Nominal door width + 1 1/4"
Double Egress Frames (DE) – Nominal door with + 2 1/2"

HEIGHT

Rough Opening height must provide clearance to level the header and interlock the jambs. Uneven floors will affect this measurement. Maximum space for adequate anchorage is 1 3/16" over net height resulting in approximately 5/16" of the frame face against the wall. While this is not recommended, the frame can still be installed.

Timely standard height - 3/16" over nominal.
Rough opening height: Nominal Height + 1" (Net height +13/16")

Net Height – Frames manufactured to net heights
Rough opening height: Net height + 13/16"

ROUGH OPENING DIMENSIONS

DOOR FRAMES WITH SIDELIGHT(S) – NO TRANSOM

WIDTH

Opening width area will vary if using a partial height or stepped sidelight. The opening dimension is calculated separately for each "step" in the sidelight.

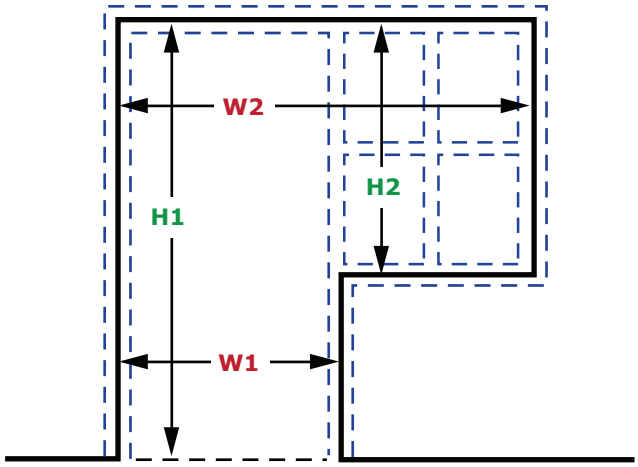
Rough opening width: Nominal door width + width of glass area(s) + 2" for each mullion + 1 1/4"

HEIGHT

Opening height equals the net door height. For frames with stepped or partial height sidelights, the light area height is calculated differently than the door area. Measurement is based on calculating the rough opening for the door area first, then measuring from the top down on the sidelight area.

Rough opening height: Door area: Net door height + net glass dimension(s) + 2" each mullion + 13/16"

Sidelight area: Net glass dimension(s) plus 2" for each mullion + 1 1/4"



W1 = Nominal Door Width + 1 1/4"
W2 = Nominal Door Width + Net Glass Width(s) + 2" for each Mullion + 1 1/4"
H1 = Net Door Opening + 13/16"
H2 = Net Glass Height(s) + 2" for each Mullion + 1 1/4"

DOOR FRAMES WITH TRANSOM(S) WITH OR WITHOUT SIDELIGHTS

WIDTH

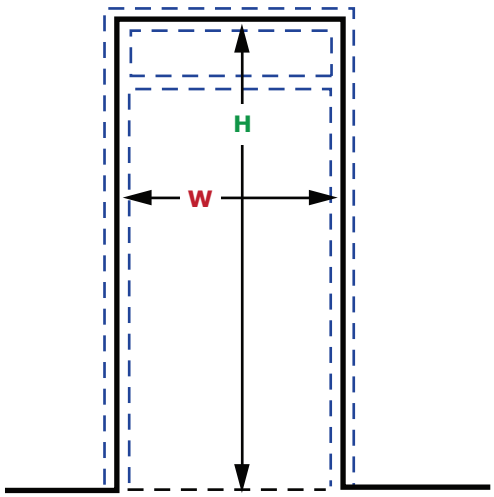
For standard frame with transom and no sidelights, opening width is same as for a three sided frame. Opening width area will vary if using a partial height or stepped sidelight. The opening dimension is calculated separately for each "step" in the sidelight.

Rough opening: Standard frame: Net door width + 1 1/4"

Rough opening: sidelight frame: Nominal door width + net with of each glass area + 2" for each mullion + 1 1/4"

HEIGHT

Opening height includes the net door height plus the transom mullion(s) and glass area(s). For frames with stepped or partial height sidelights, the light area height is calculated differently than the door area. Measurement is based on calculating the rough opening for the door area first, then measuring from the top down on the sidelight area



W = Nominal Width + 1 1/4"
H = Net Door Opening Height + Glass Height + 2" for each Mullion + 13/16"

Rough opening: door area: Net door height + net glass dimension(s) + 2" for each mullion + 13/16"

Rough opening: sidelight area: Net glass dimension(s) plus 2" for each mullion + 1 1/4"

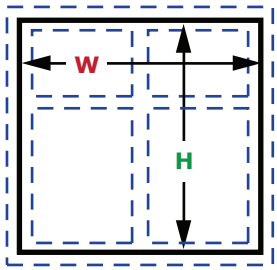
ROUGH OPENING DIMENSIONS

BORROWED LIGHTS

WIDTH

For Borrowed lights, the rough opening width is 1 1/4" larger than the inside glass area, including any mullions. For stepped borrowed lights, the dimension is calculated separately for each step width.

Rough opening: Glass width + 2" for each mullion + 1 1/4"



W = Net Glass Width(s) + 2" for each Mullion + 1 1/4"
H = Net Glass Height(s) + 2" for each Mullion + 1 1/4"

HEIGHT

For Borrowed lights, the rough opening height is 1 1/4" larger than the inside glass area, including any mullions. For stepped borrowed lights, the dimension is calculated separately for each step width.

Rough opening: Glass height + 2" for each mullion + 1 1/4"

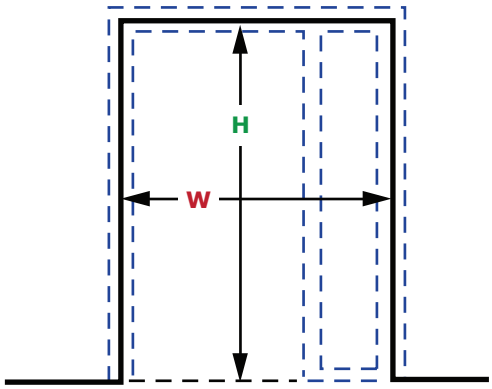
FLOOR ANCHORED (FULL HEIGHT) SIDELIGHTS AND BORROWED LIGHTS

WIDTH

Width is calculated same as for other sidelight and borrowed light frames.

HEIGHT

Floor anchored sidelights and borrowed lights are shipped with a floor channel to facilitate proper anchorage of the sidelight sill. The rough opening height for the sidelite area is the same as the opening for the door area. When the floor channel is set in place, the rough opening created is 1 1/2" less than the rough opening for the door area. Since the sill overall height is 2", the newly created rough opening height for the sidelight area is 1 1/4" over the glass dimension. For full height borrowed lights aligned with an adjacent door frame, rough opening height is same as the door frame. All other frames use the following guidelines:



W = Nominal Door Width + Net Sidelight Width(s) + 2" for each Mullion + 1 1/4"
H = Nominal Height + 1" (Timely standard height)
H = Net Height + 13/16" (All other frame specs)

Rough opening; floor anchored sidelight: Net door height plus 13/16"

Rough opening; floor anchored borrowed light: Net glass dimension +2" for each mullion plus 2 5/8" (2" sill plus 5/8" top clearance)

ROUGH OPENING DIMENSIONS

CEILING HEIGHT DOOR FRAMES

WIDTH

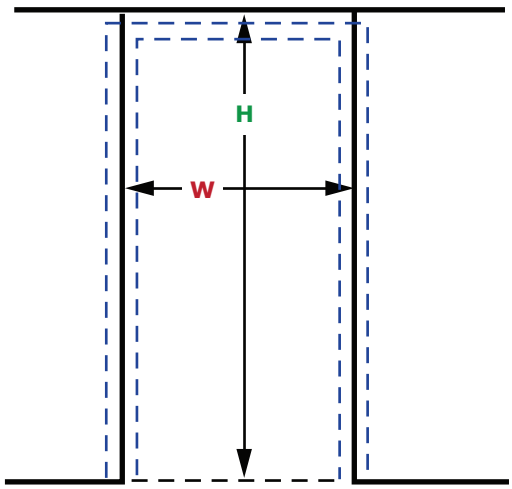
Width is calculated same as for other door frames.

Rough opening: Door width + 1 1/4"

HEIGHT

Ceiling height door frames use the full height of the opening (floor to ceiling) as the rough opening so there is no need to calculate the rough opening. On request, Timely supplies a ceiling channel eliminating the need to build a small wall section or devise some other method of anchoring the frame head. In this application, the rough opening determines the door height and is 2" less (net) than the ceiling height. Since this is normally a non standard height, Timely does not automatically add the 3/16" to the door height as on other openings. The frame is installed using the ceiling channel at the head creating a 2" overall face dimension.

Net Door Height: Ceiling height minus 2"



W = Nominal Door Width + 1 1/4"
H = Net Door Opening + 2"
Net Door Opening = Ceiling Height - 2"

CEILING HEIGHT, FLOOR ANCHORED SIDELIGHTS AND BORROWED LIGHTS

WIDTH

Width is calculated same as for other sidelight and borrowed light frames (Floor channel length is total glass width plus 2" for each mullion plus 2". Ceiling channel length is same as rough opening dimension)

HEIGHT

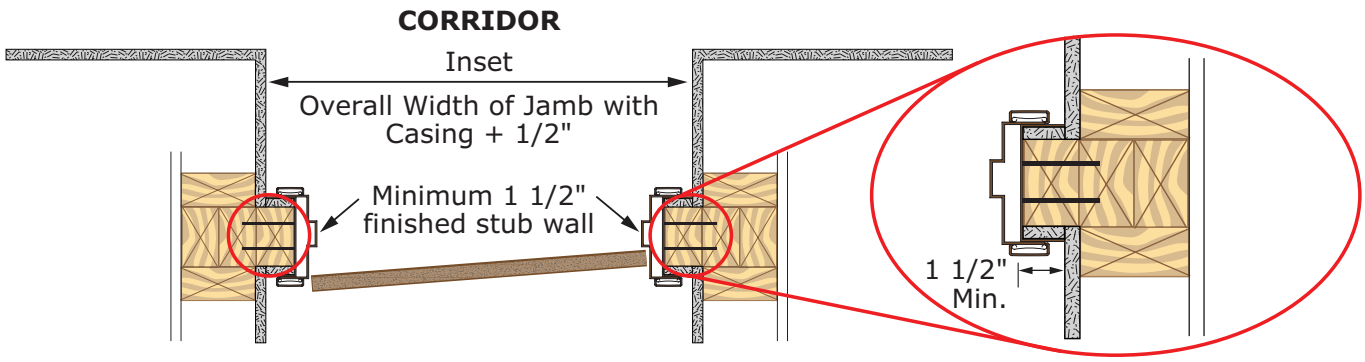
Ceiling height, floor anchored sidelights and borrowed lights use the same opening as door frames discussed above. On request, Timely supplies a ceiling channel eliminating the need to build a small wall section or devise some other method of anchoring the frame head. In this application, the rough opening determines the door height and is 2" less (net) than the ceiling height. Since this is normally a non standard height, Timely does not automatically add the 3/16" to the door height as on other openings. The frame is installed using the ceiling channel at the head creating a 2" overall face dimension. Units are also supplied with a floor channel to facilitate proper anchorage of the sidelight or borrowed light sill. When the floor channel and ceiling channel are set in place, the rough opening created is 3" less than the rough opening for the door area. The net inside height for the glass area and mullions would be the ceiling height less 4", since the top frame face is 2" and the sill face is 2".

Net Inside Sidelight height: Ceiling Height minus 4"

Net Inside Borrowed Light height: Ceiling Height minus 4"

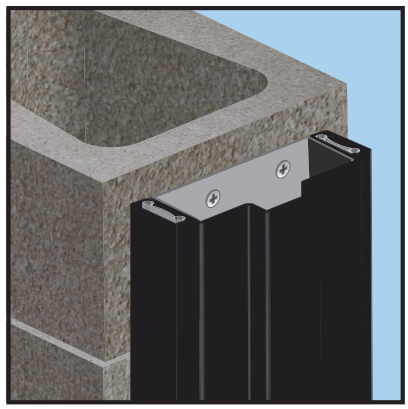
WALL TO WALL – STUB WALL INSTALLATION

Some projects require the entry door frame or closet door frame to be installed between two parallel walls. When this situation occurs, there are two factors to be considered. The first issue is having enough space to install the desired door width. This is important if the opening must comply with ADA requirements for adequate path of travel width. The finished wall to wall dimension must be at least 4" larger than the nominal door width if using TA-8, TA-23, TA-28 or TA-28M casing. If using TA-30 or TA-35 casing width is 4 1/2" wider. The second issue is adequate blocking for the framing material at the door location. The wall must have solid blocking to attach the stub wall prior to installing the frame. Whether using wood studs or steel studs, proper fasteners must be used to achieve adequate support for the door frame.



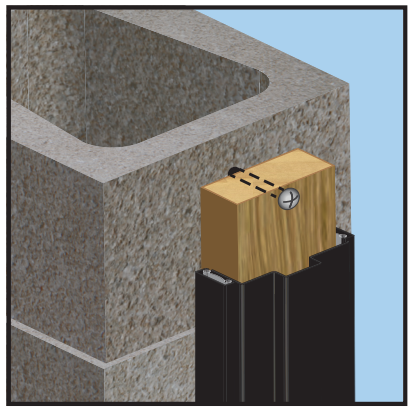
SUB-FRAME APPLICATION – TIMELY STEEL SUB FRAME

To install a Timely door frame, sidelight frame or borrowed light frame inside an existing opening instead of installing the frame over the outside of the wall surface, a prefinished steel sub frame is recommended. A sub frame provides a solid substrate to anchor the frame, requires no special fasteners and matches the color of the finished frame. When anchoring the frame to any wall type other than steel or wood studs, this method of application is much easier to install. In addition, the frame can maintain a fire rating provided the wall construction is fire rated and the other opening components are fire rated. The sub frame is anchored to the existing structure and the finished frame is installed over the flange of the sub frame similar to a sill channel or ceiling channel installation. Opening dimensions and corresponding frame dimensions are:



Vertical Sub Frame (Cased opening no stop) *Existing Opening Height minus 1/16"*
Horizontal Sub Frame (Cased opening no stop) *Existing Opening Width minus 3 3/16"*
Vertical Finished frame dimension *Existing Opening Height minus 2"*
Horizontal Finished frame (header) *Existing Opening Width minus 4"*

SUB-FRAME APPLICATION – WOOD STUD



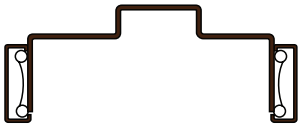
To install a Timely door frame, sidelight frame or borrowed light frame inside an existing opening instead of installing the frame over the outside of the wall surface, a wood sub frame is recommended. A sub frame provides a solid substrate to anchor the frame, and requires no special fasteners for the frame. The wood sub frame must be adequately anchored to the existing opening material using lag bolts. If the existing material is masonry, lead shields are used with lag bolts. This application leaves a visible line around the opening exposing the sub frame material so it is recommended that the sub frame material be treated and caulked, especially for exterior applications. Be aware that the opening can only be fire rated if the wood sub frame has fire rated drywall on both sides to separate the door frame from the sub frame. Opening dimensions and corresponding frame dimensions are:

Vertical Sub Frame – wood, ripped to standard frame width *Existing Opening Height minus 1/16"*
Horizontal Sub Frame - wood, ripped to standard frame width *Existing Opening Width minus 3 1/16"*
Vertical Finished frame dimension *Existing Opening Height minus 2"*
Horizontal Finished frame (header) *Existing Opening Width minus 4"*

PRODUCT INFORMATION (DOOR FRAMES)

CLASSIC FRAME

S-SERIES (20 GAUGE)
C-SERIES (18 GAUGE)

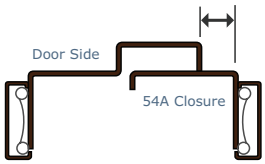


Shown with TA-8 Steel Casing as example.

The ***Standard Frame*** is our most popular profile. It is an ideal solution for most commercial drywallapplications.

ADJUSTABLE

A-SERIES (18 GAUGE)

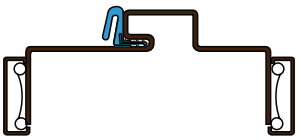


Shown with TA-8 Steel Casing as example.

A-Series Frames are the perfect companion for the ***S-Series*** and ***C-Series*** Frame. Use ***A-Series*** adjustable Frames to prevent jobsite problems from walls of varying wall thickness or non-standard Jamb debth. ***A-Series*** frames are also the solution where pre-hung assemblies are required.

FIXED THROAT KERFED

CK-SERIES (18 GAUGE)

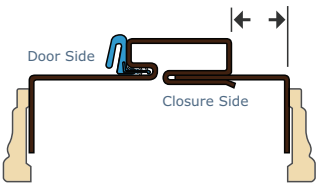


Shown with TA-8 Steel Casing as example.

The pre-finished steel ***CK-Series*** Kerfed Frame is a great option for any opening requiring a Smoke Seal, Weatherstrip or STC rating. The ***CK-Series*** frames are the ideal solution for the Hotel/Motel market, where creating a quiet stress free environment for trav-elers is of the utmost importance.

ADJUSTABLE KERFED

AK-SERIES (20 GAUGE)

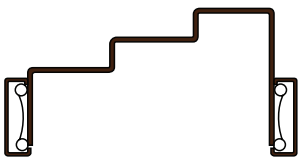


Shown with Wood Casing Supplied by Others.

The ***AK-Series*** Frame was designed specifically for the Residential Market where Weatherstriping, Thresholds, and Pre-Hanging are common requirements. ***AK-Series*** frames are also the solution for House to Garage openings where Fire Ratings and Security are are important.

DOUBLE EGRESS

DE-SERIES (18 GAUGE)

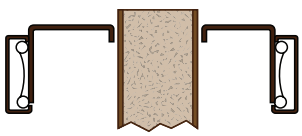


Shown with TA-8 Steel Casing as example.

DE-Series Frames are commonly used for openings requiring Doors swinging in opposite directions.

POCKET TRIM KIT

P-SERIES (18 GAUGE)



Shown with TA-8 Steel Casing as example.

P-Series trim kits are used to trim out Pocket Door openings. The purpose of the ***P-Series*** is to make Pocket Door openings consistent with other Timely Frames on the job site.

TIMELY PRODUCT FAMILIES

DOOR FRAMES

CLASSIC FRAME (S-SERIES & C-SERIES)


LODGING


OFFICE


MEDICAL OFFICE


DORMITORIES


BUILDINGS OF WORSHIP


ASSISTED LIVING

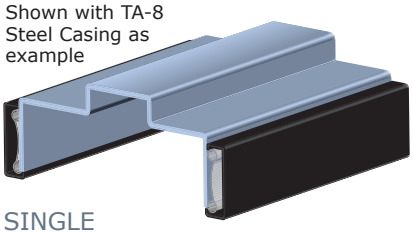

MULTI-FAMILY


SCHOOLS


HOSPITAL NON-SURGICAL


SINGLE FAMILY

Shown with TA-8 Steel Casing as example



SINGLE
SINGLE WITH GLAZING
SINGLE COMMUNICATING
SINGLE ACCESS
PAIR
PAIR WITH GLAZING
PAIR COMMUNICATING
PAIR ACCESS
CASED OPENING
BORROWED LIGHT
EXTENDED SILL
ASYMMETRICAL BORROWED LIGHT

The prefinished steel ***Classic Frame*** is our most popular profile. It is the ideal solution for most commercial drywall applications.

Our ***Classic Frame*** is avaliable in two material thicknesses, ***S-Series*** (20 gauge) and ***C-Series*** (18 gauge) prefinished steel.

Finishing options include 2 standard colors, 4 premium colors, 29 Timely custom colors, project matched custom colors or primed for field painting. Galvanizing is available for all painted finishes and is REQUIRED in areas subject to high humidity, corrosive environments or exterior installations.

Fire ratings up to 90 minutes are available for non-glazed openings, and up to 45 minutes for glazed openings.

Mullions are available in all jamb depths from 3 1/2" to 13".

Classic Frames will accomodate either a 1 3/8" or 1 3/4" door weighing up to 500 lbs.

STANDARD JAMB DEPTHS (ROLL FORMED)

S-Series (20 gauge): 2 1/4", 2 7/8", 3 1/2", 3 3/4", 4", 4 5/8", 4 7/8", 5" and 5 3/8"

C-Series (18 gauge): 2 1/4", 2 7/8", 3 1/2", 3 3/4", 4", 4 5/8", 4 7/8", 5", 5 3/8", 6 5/8", 6 7/8" and 7 1/4"

CUSTOM JAMB DEPTHS (PRESS BRAKE FORMED)

C-Series (18 gauge): 2 1/4" to 13" in 1/8" increments.

NOTE: The available jamb depths and door weights listed here apply to the Classic Frame in general. Some limitations may apply when looking at specific information. For example a communicating frame must have a larger minimum jamb depth than listed here.

FINISH OPTIONS

2 Standard colors – Browntone, Western White
Primed for field painting
4 Premium colors – Alumatone, Autumn Brown, Black, Stone Gray
1 Clear coat steel – Black Nickel
29 Timely custom colors – No charge for color match
Unlimited custom colors – Charge for color match applies

TIMELY PRODUCT FAMILIES

FINISHING METHODS

Coil Coated Steel
Electrostatic Liquid coat on steel
Electrostatic Liquid coat on aluminum – Casing only
Clear Anodized – Aluminum Casing only (Standard with Alumatone frames with aluminum casing)
Electro-Galvanized

CASING OPTIONS

NUMBER	MATERIAL	SIZE	REVEAL
TA-8	Steel	1 1/2" x 7/16"	1/4"
TA-23	Aluminum	1 1/2" x 7/16"	1/4"
TA-28	Aluminum	1 3/4" x 7/16"	None
TA-28M	Aluminum	2" x 7/16"	None
TA-30	Steel	1 3/4" x 3/4"	1/4"
TA-35	PVC	1 15/16" x 3/4"	1/8"
Wood	NHOS	Provided by Others	

WARRANTY

1 Year limited warranty. See "Warranty" section for specific information.

HINGE PREPS

S – 3 ½", 4". 4 1/2"
C – 3 ½", 4", 4 ½" .134, 4 ½" .180, 5" .140

STRIKE PREPS

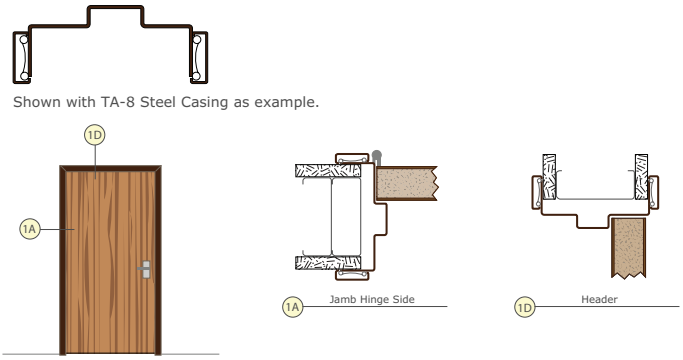
S – T, 2 ¾" DB, 3 ½" DB, FB, ASA, Auto Deadbolt
C – T, 2 ¾" DB, 3 ½" DB, FB, ASA, Auto Deadbolt, Electric Strikes, Custom hardware preps

CUT AND WELD (CAW) HARDWARE PREPS – C SERIES ONLY

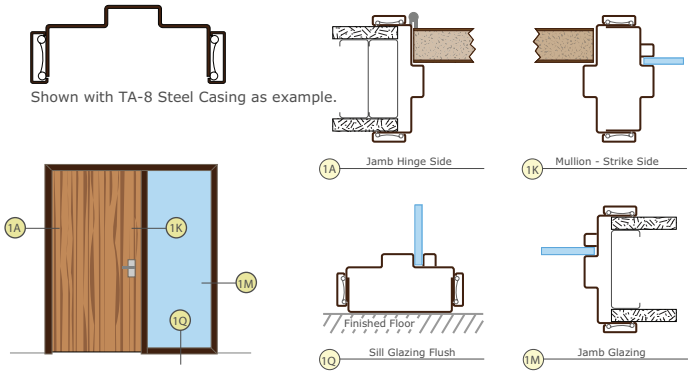
EPT
Concealed overhead stops/holders
Concealed vertical rod exit device strikes
Center hung pivot sets
Offset hung pivot sets
Intermediate pivots
Double lip strikes – rescue hardware
Emergency Release – rescue hardware
5" Heavy Weight (.190) Hinge

CLASSIC FRAME CONFIGURATIONS AND DETAILS

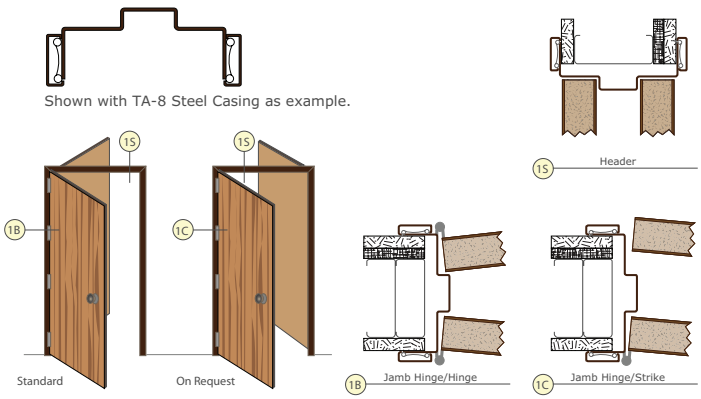
Classic Frame(S-Series & C-Series) **SINGLE**



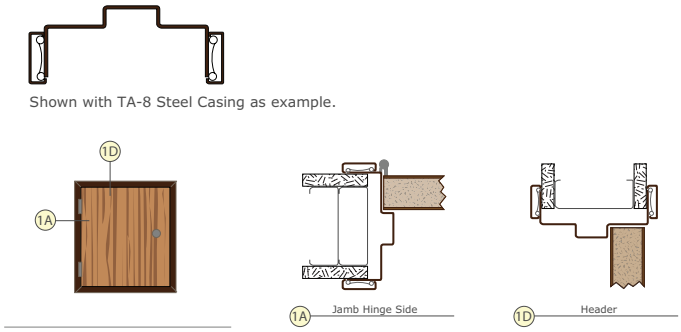
Classic Frame (S-Series & C-Series) **SINGLE with Glazing**



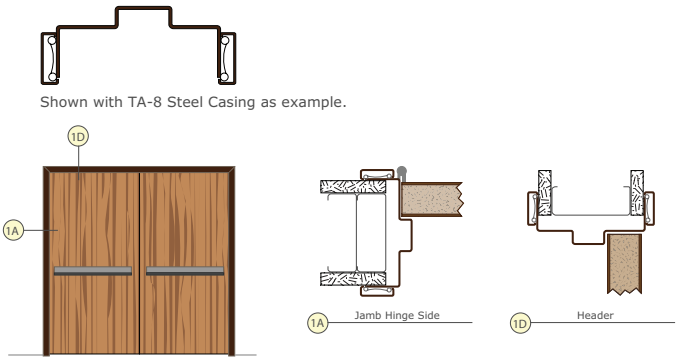
Classic Frame (C-Series) **SINGLE COMMUNICATING**



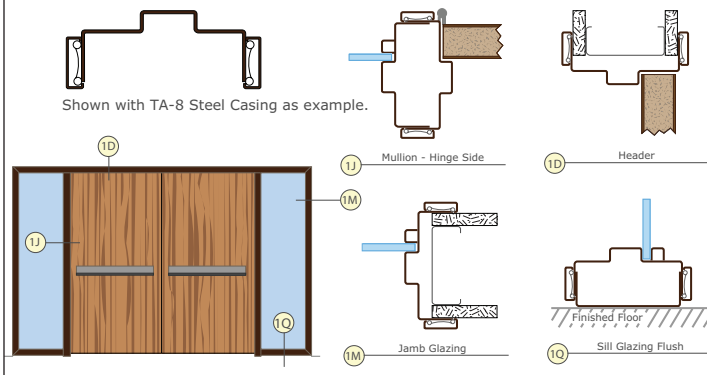
Classic Frame (S-Series & C-Series) **SINGLE ACCESS**



Classic Frame (S-Series & C-Series) **PAIR**

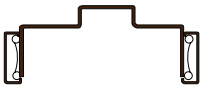


Classic Frame (S-Series & C-Series) **PAIR with Glazing**

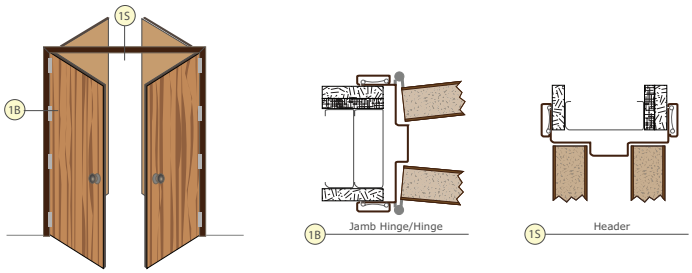


TIMELY PRODUCT FAMILIES

Classic Frame (C-Series) **PAIR COMMUNICATING**

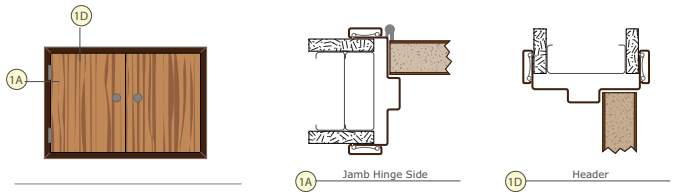


Shown with TA-8 Steel Casing as example.



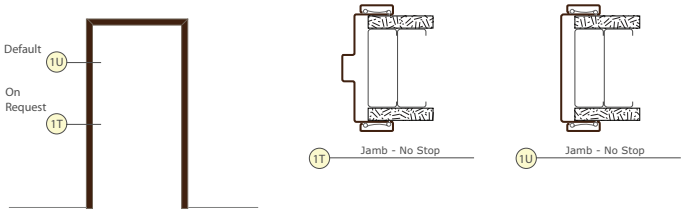
Classic Frame (S-Series & C-Series) **PAIR ACCESS**

Shown with TA-8 Steel Casing as example.

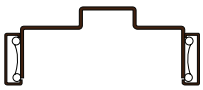


Classic Frame (S-Series & C-Series) **CASED OPENING**

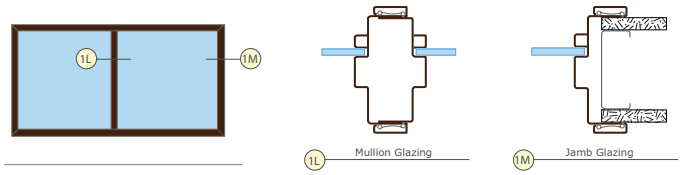
Shown with TA-8 Steel Casing as example.



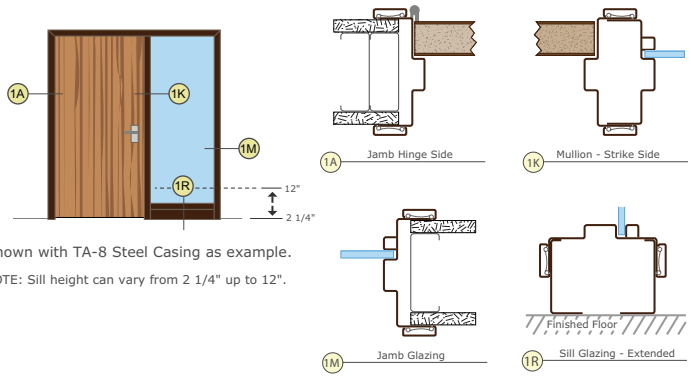
Classic Frame (S-Series & C-Series) **BORROWED LIGHT**



Shown with TA-8 Steel Casing as example.



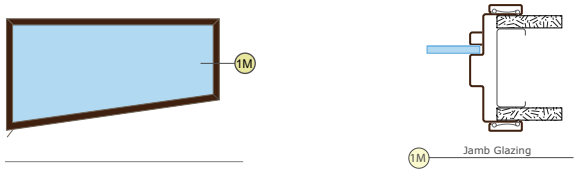
Classic Frame (S-Series & C-Series) **EXTENDED SILL**



Shown with TA-8 Steel Casing as example.

NOTE: Sill height can vary from 2 1/4" up to 12".

Classic Frame (S-Series & C-Series) **ASYMMETRICAL BORROWED LIGHT**



Shown with TA-8 Steel Casing as example.

Borrowed lights are available with unequal length vertical components.

NOTE: Includes custom casing corners to keep miters from separating.

CLASSIC FRAME FIRE RATINGS

Classic Frame (S-Series & C-Series) - PAIR — FIRE RATING

JAMB DEPTH RANGE	45, 90 minute (S & C-Series)
Min. Jamb Depth: 3 3/8" **Max. Jamb Depth:** 13"	**Max. Width:** 8' - 0" **Max. Height:** 9' - 0"

All dimensions shown are inside dimensions - net door opening size.

Distributors of Timely Frames may be approved to purchase labels and apply them to frames at their own facility. Intertek has set guidelines and a fee schedule for this program. Requirements and prices are available from Timely or Intertek.

Classic Frame (S-Series & C-Series) - SINGLE — FIRE RATING

JAMB DEPTH RANGE	20 minute* (C-Series only)	45, 90 minute (S & C-Series)
Min. Jamb Depth: 3 3/8" **Max. Jamb Depth:** 13"	**Max. Door Width:** 4' - 0" **Max. Door Height:** 10' - 0"	**Max. Door Width:** 4' - 0" **Max. Door Height:** 9' - 0"

All dimensions shown are inside dimensions - net door opening size.

* Tested and approved for Neutral Pressure only - not Positive Pressure approved.

Distributors of Timely Frames may be approved to purchase labels and apply them to frames at their own facility. Intertek has set guidelines and a fee schedule for this program. Requirements and prices are available from Timely or Intertek.

Classic Frame (S_Series & C-Series) - SINGLE with Glazing

FIRE RATING 45 MINUTE

Min. Jamb Depth: 3 1/2" — Max. Jamb Depth: 13"			
ASSEMBLY	DOOR AREA	GLASS AREA*	
Max. Width: 9' - 7 " **Max. Height:** 9' - 11"	**Max. Door Width:** 4' - 0" **Max. Door Height:** 9' - 0"	**Glass Width:** up to 2' **Max. Glass Height:** 8' - 11"	**Glass Width:** from 2' up to 3' ** **Max. Glass Height:** 4' - 6" ** Visible light is 1" less in width and height

All dimensions are inside dimensions - net door or glass opening size.

* Multiple Glass Areas can be created with Mullions. The only limitations are Max. Assembly Width and Height.
** For glass widths exceding 24" the maximum glass area is 1296 sq. in. unless approved by local AHJ.

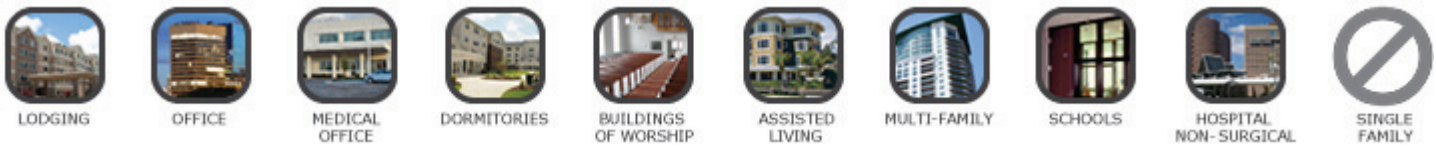
Distributors of Timely Frames may be approved to purchase labels and apply them to frames at their own facility. Intertek has set guidelines and a fee schedule for this program. Requirements and prices are available from Timely or Intertek.

GENERAL INFORMATION

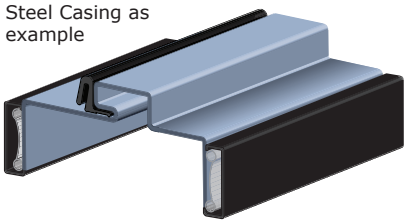
1. All openings are approved for Positive andNeutral pressure unless otherwise noted.
2. All ratings apply to steel stud, wood stud, or masonry construction.
3. All ratings approved for category "A" and "B" doors with category "G" edge sealing.
4. Timely's fire rated Metal "U" Insert is recomended for masonry installations. If wood sub-frame is used in place of Metal "U" Insert, it will be necessary to use fire rated drywall on both sides of wood to maintain fire rating.
5. Wood, Aluminum or PVC casing does not affect ratings on door frames. Wood casing must be applied with hot melt glue or contact adhesive on 90 minute rated frames and on all glazed openings with 45 minute or 60 minute rating. On all other fire rated frames, wood casing can be applied with nails or finish head screws on jambs and mullions.
6. Single frames must be prepared for strike plate or reinforced with (TA-12) for a rim exit device strike.

DOOR FRAMES

KERFED FRAME (CK-SERIES)



Shown with TA-8 Steel Casing as example



SINGLE
SINGLE COMMUNICATING
PAIR
PAIR COMMUNICATING

The prefinished steel ***CK-Series*** Kerfed Frame is a great option for any opening requiring a Smoke Seal, Weatherstrip or STC rating. The ***CK-Series*** frames are the ideal solution for the Hotel/Motel market, where creating a quiet stress free environment for travelers is of the utmost importance.

Our ***CK-Series*** Kerfed Frames are made using 18 gauge galvanized pre-finished steel.

Finishing options include 2 standard colors, 4 premium colors, 29 Timely custom colors, project matched custom colors or primed for field painting. Galvanizing is available for all painted finishes and is REQUIRED in areas subject to high humidity, corrosive environment or exterior installations.

Fire ratings up to 90 minutes are available.

Mullions are not avaliable for ***CK-Series*** Kerfed Frames.

Our CK-Series Kerfed Frames will accomodate a 1 3/4" door weighing up to 500 lbs.

Our ***TA-46 Weatherstrip*** is avaliable in five colors and can be Factory installed to reduce job site labor cost.

Our ***TA-55 Combination Smoke Seal and Intumescent*** iis available in two colors. Use of TA-55 allows a category B wood door in lieu of a category A wood door.

JAMB DEPTHS:

4" to 8" in 1/8" increments.

FINISH OPTIONS

2 Standard colors – Browntone, Western White
Primed for field painting
4 Premium colors – Alumatone, Autumn Brown, Black, Stone Gray
1 Clear coat steel – Black Nickel
29 Timely custom colors – No charge for color match
Unlimited custom colors – Charge for color match applies

FINISHING METHODS

Coil Coated Steel
Electrostatic Liquid coat on steel
Electrostatic Liquid coat on aluminum – Casing only
Clear Anodized – Aluminum Casing only (Standard with Alumatone frames with aluminum casing)
Electro-Galvanized

CASING OPTIONS

NUMBER	MATERIAL	SIZE	REVEAL
TA-8	Steel	1 1/2" x 7/16"	1/4"
TA-23	Aluminum	1 1/2" x 7/16"	1/4"
TA-28	Aluminum	1 3/4" x 7/16"	None
TA-28M	Aluminum	2" x 7/16"	None
TA-30	Steel	1 3/4" x 3/4"	1/4"
TA-35	PVC	1 15/16" x 3/4"	1/8"
Wood	NHOS	Provided by others	

WARRANTY

1 Year limited warranty. See "Warranty" section for specific information.

HINGE PREPS

4", 4 1/2" .134, 4 1/2" .180, 5" .140

STRIKE PREPS

S – T, 2 3/4" DB, 3 1/2" DB, FB, ASA, Auto Deadbolt

C – T, 2 3/4" DB, 3 1/2" DB, FB, ASA, Auto Deadbolt, Electric Strikes

CUT AND WELD (CAW) HARDWARE PREPS – CK SERIES

EPT

Concealed overhead stops/holders

Concealed vertical rod exit device strikes

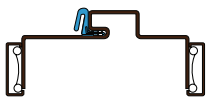
Offset hung pivot sets

Intermediate pivots

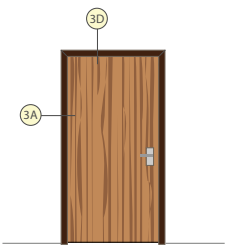
5" Heavyweight .190 Hinge

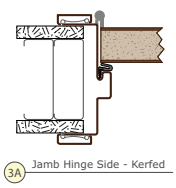
KERFED FRAME CONFIGURATIONS AND DETAILS

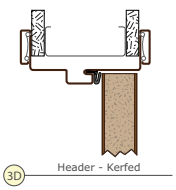
KERFED FRAME (CK-Series) **SINGLE**



Shown with TA-8 Steel Casing as example.







RELATED INFORMATION

Frame Materials:
Pre-Finished Steel

Door Thickness:
1 3/4" only

Max. Door Weight:
500 Lbs.

Max. Door Width:
4' - 0"

Max. Door Height:
10' - 0"

Frame Thickness:
18 gauge

Jamb Depths:
4" to 8"

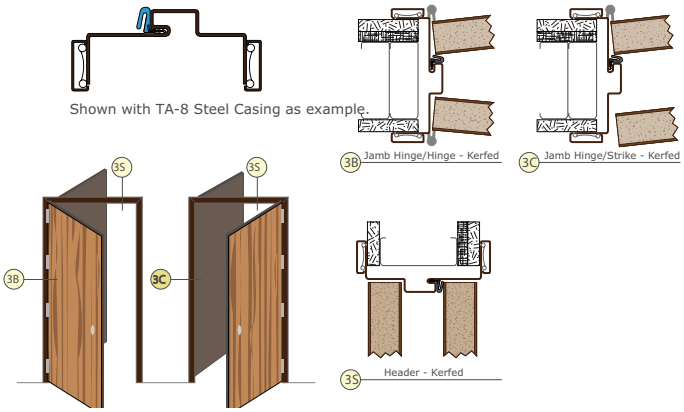
Note: All widths and heights are inside dimensions - net door opening size.

SOUND RATING

Ratings: STC-28

KERFED FRAME CONFIGURATIONS AND DETAILS

KERFED FRAME (CK-Series) **SINGLE COMMUNICATING**



RELATED INFORMATION

Frame Materials:
Pre-Finished Steel

Door Thickness:
1 3/4" only

Max. Door Weight:
250 Lbs. each

Max. Door Width:
4' - 0"

Max. Door Height:
10' - 0"

Frame Thickness:
18 gauge

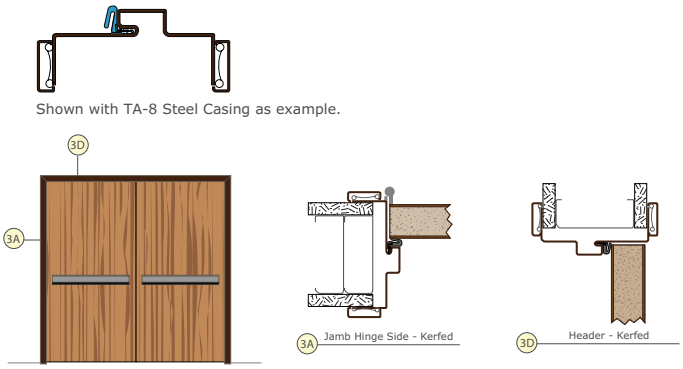
Jamb Depths:
5 3/8" to 8"

Note: All widths and heights are inside dimensions - net door opening size.

SOUND RATING

Ratings: STC-28.

KERFED FRAME (CK-Series) **PAIR**



RELATED INFORMATION

Frame Materials:
Pre-Finished Steel

Door Thickness:
1 3/4" only

Max. Door Weight:
250 Lbs. each

Max. Door Width:
2 x 4' - 0"

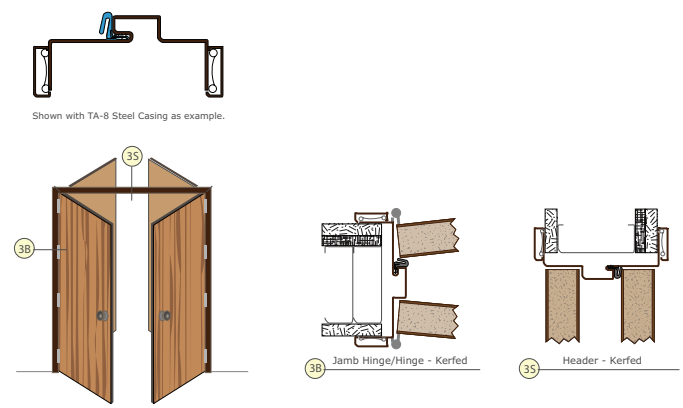
Max. Door Height:
10' - 0"

Frame Thickness:
18 gauge

Jamb Depths:
4" to 8"

Note: All widths and heights are inside dimensions - net door opening size.

KERFED FRAME (CK-Series) **PAIR COMMUNICATING**



RELATED INFORMATION

Frame Materials:
Pre-Finished Steel

Door Thickness:
1 3/4" only

Max. Door Weight:
125 Lbs. each

Max. Door Width:
2 x 4' - 0"

Max. Door Height:
10' - 0"

Frame Thickness:
18 gauge

Jamb Depths:
5 3/8" to 8"

Note: All widths and heights are inside dimensions - net door opening size.

KERFED FRAME FIRE RATINGS

KERFED FRAME (CK-Series) - SINGLE **FIRE RATING**

JAMB DEPTH RANGE	20 MINUTE*	45, 90 MINUTE
Min. Jamb Depth: 4"	**Max. Width:** 4' - 0"	**Max. Width:** 4' - 0"
Max. Jamb Depth: 8"	**Max. Height:** 10' - 0"	**Max. Height:** 9' - 0"

All dimensions shown are inside dimensions - net door opening size.

* Tested and approved for Neutral Pressure only - not Positive Pressure approved.

Distributors of Timely Frames may be approved to purchase labels and apply them to frames at their own facility. Intertek has set guidelines and a fee schedule for this program. Requirements and prices are available from Timely or Intertek.

KERFED FRAME (CK-Series) - PAIR **FIRE RATING**

JAMB DEPTH RANGE	45, 90 minute (CK-Series)
Min. Jamb Depth: 4"	**Max. Width:** 8' - 0"
Max. Jamb Depth: 8"	**Max. Height:** 9' - 0"

All dimensions shown are inside dimensions - net door opening size.

Distributors of Timely Frames may be approved to purchase labels and apply them to frames at their own facility. Intertek has set guidelines and a fee schedule for this program. Requirements and prices are available from Timely or Intertek.

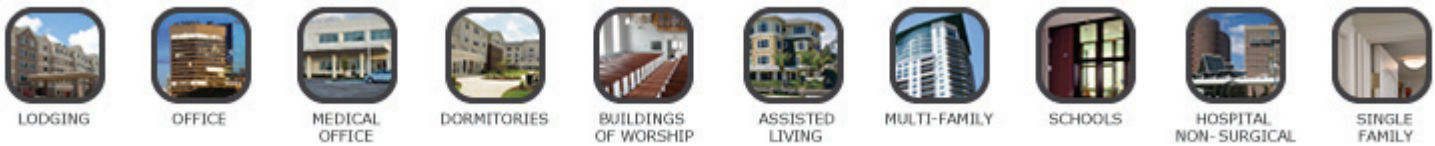
GENERAL INFORMATION

1. All openings approved for Positive and Neutral pressure unless otherwise noted.
2. All ratings apply to steel stud, wood stud, or masonry construction.
3. All ratings approved for category "A" and "B" doors with category "G" edge sealing.
4. Timely's fire rated Metal "U" Insert is recomended for masonry installations. If wood sub-frame is used in place of Metal "U" Insert, it will be necessary to use fire rated drywall on both sides of wood to maintain fire rating.
5. Wood, Aluminum or PVC casing does not affect ratings on door frames. Wood casing must be applied with hot melt glue or contact adhesive on 90 minute rated frames and on all glazed openings with 45 minute or 60 minute rating. On all other fire rated frames, wood casing can be applied with nails or finish head screws on jambs and mullions.
6. Single frames must be prepared for strike or reinforced with (TA-47) for a rim exit device strike.
7. Embossed WHI 90 min. label is available for Primer Galvanized Frames only.
8. Metal 90 min. label riveted to frame is available.

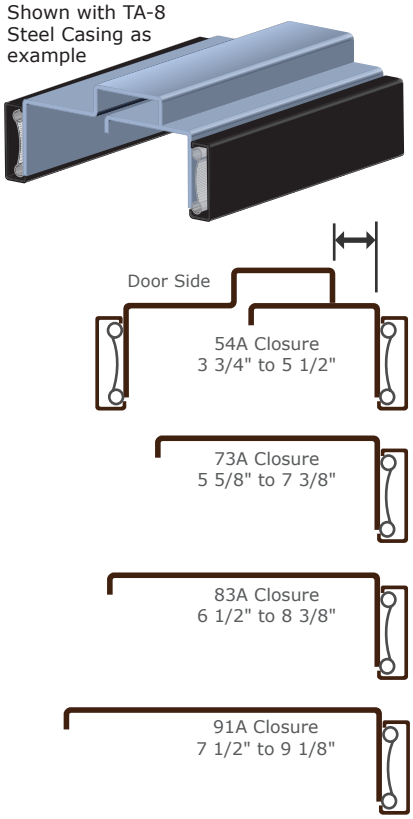
TIMELY PRODUCT FAMILIES

DOOR FRAMES

ADJUSTABLE FRAME (A-SERIES)



Shown with TA-8 Steel Casing as example



SINGLE
PAIR
BORROWED LIGHT
FULLBOUND ACCESS

The galvanized prefinished steel ***A-Series*** Adjustable Frame is the perfect companion for the ***Standard Frame***. Use ***A-Series*** Adjustable Frames to prevent jobsite problems resulting from walls of varying wall thickness or non-standard Jamb debth. ***A-Series*** Adjustable Frames are also the solution where pre-hung assemblies are required.

Our A-Series Adjustable Frames are made using 18 gauge Galvanized Powder Coated steel.

Finishing options include 2 standard colors, 4 premium colors, a selection of custom RAL Powder Coat colors or primed for field painting. A minimum order of 25 Frames is required for custom RAL Powder Coat colors.

Fire ratings up to 90 minutes are available for non-glazed openings, and up to 45 minutes for glazed openings.

Mullions are not avaliable for ***A-Series*** Adjustable Frames.

Our ***A-Series*** Adjustable Frames will accomodate a 1 3/4" door weighing up to 250 lbs.

AVAILABLE IN JAMB DEPTHS:

Adjustable from 3 3/4" to 9 1/8" using four different Closure pieces.

FINISH OPTIONS

2 Standard colors – Browntone, Western White
Primed for field painting
4 Premium colors – Alumatone, Autumn Brown, Black, Stone Gray
29 Timely custom colors – No charge for color match
Unlimited custom colors – Charge for color match applies

FINISHING METHODS

Powder Coat Galvanized Steel
Clear Anodized – Aluminum Casing only (Standard with Alumatone frames with aluminum casing)
Galvanized for field finishing

CASING OPTIONS

NUMBER	MATERIAL	SIZE	REVEAL
TA-8	Steel	1 1/2" x 7/16"	1/4"
TA-23	Aluminum	1 1/2" x 7/16"	1/4"
TA-28	Aluminum	1 3/4" x 7/16"	None
TA-28M	Aluminum	2" x 7/16"	None
TA-30	Steel	1 3/4" x 3/4"	1/4"
TA-35	PVC	1 15/16" x 3/4"	1/8"
Wood	NHOS	Provided by others	

WARRANTY

1 Year limited warranty. See "Warranty" section for specific information.

HINGE PREPS

4", 4 1/2" .134, 5" .140

STRIKE PREPS

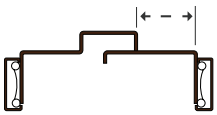
T, 2 3/4" DB, 3 1/2" DB, FB, ASA, Auto Deadbolt, Electric Strikes

CUT AND WELD (CAW) HARDWARE PREPS

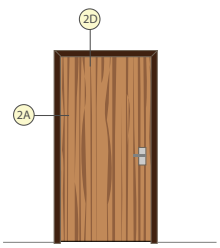
Limited availability – Contact Factory

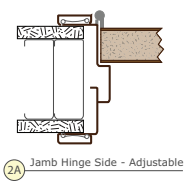
ADJUSTABLE FRAME CONFIGURATIONS AND DETAILS

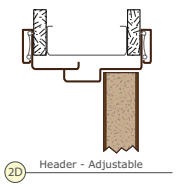
ADJUSTABLE FRAME (A-Series) **SINGLE**



Shown with TA-8 Steel Casing as example.







RELATED INFORMATION

Frame Materials:
Pre-Finished Steel

Door Thickness:
1 3/4" only

Max. Door Weight:
250 Lbs.

Max. Door Width:
4' - 0"

Max. Door Height:
8' - 0"

Frame Thickness:
18 gauge

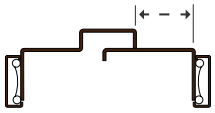
Jamb Depths:
3 3/4" to 9 1/8"

Note: All widths and heights are inside dimensions - net door opening size.

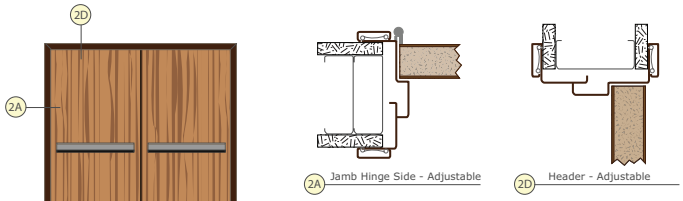
SOUND RATING

Ratings:
Not Avaliable

ADJUSTABLE FRAME (A-Series) **PAIR**



Shown with TA-8 Steel Casing as example.



RELATED INFORMATION

Frame Materials:
Pre-Finished Steel

Door Thickness:
1 3/4" only

Max. Door Weight:
200 Lbs. each

Max. Door Width:
2 x 4' - 0"

Max. Door Height:
8' - 0"

Frame Thickness:
18 gauge

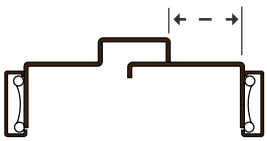
Jamb Depths:
3 3/4" to 9 1/8"

Note: All widths and heights are inside dimensions - net door opening size.

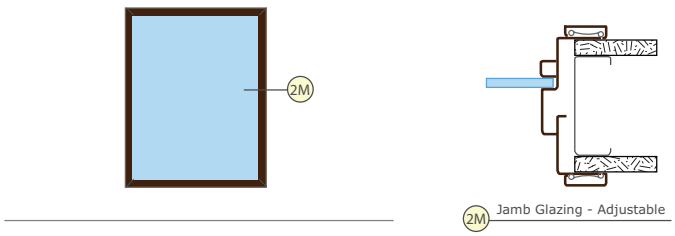
SOUND RATING

Ratings:
Not Avaliable

ADJUSTABLE FRAME (A-SERIES) **BORROWED LIGHT**



Shown with TA-8 Steel Casing as example.



Borrowed Light refers to a glazed area not attached to a door.
MULLIONS ARE NOT AVAILABLE FOR A-SERIES ADJUSTABLE FRAMES.

NOTE: If mullions are required, refer to Standard Frame (S-Series and C-Series) Borrowed Lights with mullions and unrestricted design options

RELATED INFORMATION

Frame Materials:
Pre-Finished Steel

Max. Assembly Width:
8' - 0"

Max. Assembly Height:
8' - 0"

Frame Thickness:
18 gauge

Jamb Depths:
3 3/4" to 9 1/8"

Note: All widths and heights are inside dimensions - net door opening size.

SOUND RATING

Ratings:
Not Avaliable

ADJUSTABLE FRAME FIRE RATINGS

ADJUSTABLE FRAME (A-Series) - SINGLE — FIRE RATING

JAMB DEPTH RANGE	45, 90 minute
Min. Jamb Depth: 3 3/4" **Max. Jamb Depth:** 9 1/8"	**Max. Door Width:** 4' - 0" **Max. Door Height:** 8' - 0"

All dimensions shown are inside dimensions - net door opening size.

Distributors of Timely Frames may be approved to purchase labels and apply them to frames at their own facility. Intertek has set guidelines and a fee schedule for this program. Requirements and prices are available from Timely or Intertek.

ADJUSTABLE FRAME (A-Series) - PAIR — FIRE RATING

JAMB DEPTH RANGE	45, 90 minute
Min. Jamb Depth: 3 3/4" **Max. Jamb Depth:** 9 1/8"	**Max. Width:** 8' - 0" **Max. Height:** 8' - 0"

All dimensions shown are inside dimensions - net door opening size.

Distributors of Timely Frames may be approved to purchase labels and apply them to frames at their own facility. Intertek has set guidelines and a fee schedule for this program. Requirements and prices are available from Timely or Intertek.

ADJUSTABLE FRAME (A-Series) - BORROWED LIGHT — FIRE RATING

Min. Jamb Depth: 3 3/4" — Max. Jamb Depth: 9 1/8"		
ASSEMBLY	**GLASS AREA no mullions allowed**	
Max. Width: 8' - 0 " **Max. Height:** 8' - 0"	**Width:** up to 2' **Max. Height:** 8' - 0"	**Width:** over 2' and up to 3' * **Max. Height:** 4' - 6"*
	Visible light is 1" less in width and height	

All dimensions shown are inside dimensions - net glass opening size.

* For widths exceding 24" the maximum glass area is 1296 sq. in. unless approved by local AHJ.

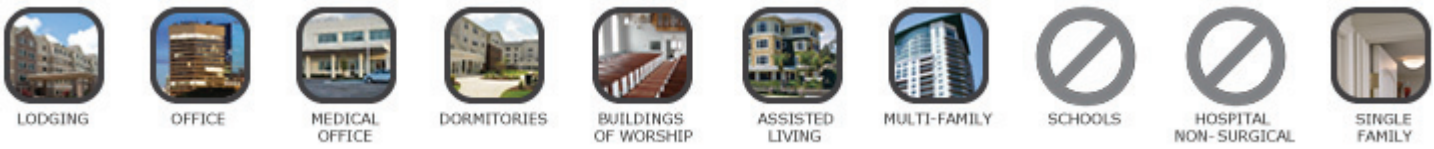
Distributors of Timely Frames may be approved to purchase labels and apply them to frames at their own facility. Intertek has set guidelines and a fee schedule for this program. Requirements and prices are available from Timely or Intertek.

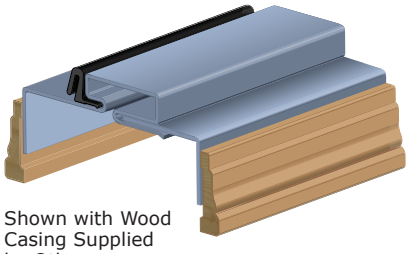
GENERAL INFORMATION

1. All openings are approved for Positive and Neutral pressure unless otherwise noted.
2. All ratings apply to steel stud, wood stud, or masonry construction.
3. All ratings approved for category "A" and "B" doors with category "G" edge sealing.
4. Timely's fire rated Metal "U" Insert is recomended for masonry installations. If wood sub-tal "U" Insert, it will be necessary to use fire rated drywall on both sides of wood to maintain fire rating.
5. Wood, Aluminum or PVC casing does not affect ratings on door frames. Wood casing must be applied with hot melt glue or contact adhesive on 90 minute rated frames and on all glazed openings with 45 minute or 60 minute rating. On all other fire rated frames, wood casing can be applied with nails or finish head screws on jambs and mullions.
6. Single frames must be prepared for strike or reinforced with (TA-12) for a rim exit device strike.
7. Embossed WHI 90 min. label is available for Primer Galvanized Frames only.
8. Metal 90 min. label riveted to frame is available.

DOOR FRAMES

ADJUSTABLE KERFED FRAME (AK-SERIES)





Shown with Wood Casing Supplied by Others.

The galvanized and primed steel ***AK-Series*** Frame is designed specifically for the Residential Market where Weatherstrip, Thresholds, and Pre-Hanging are common requirements. ***AK-Series*** frames are also the solution for House to Garage openings where Fire Ratings and Security are are essential.

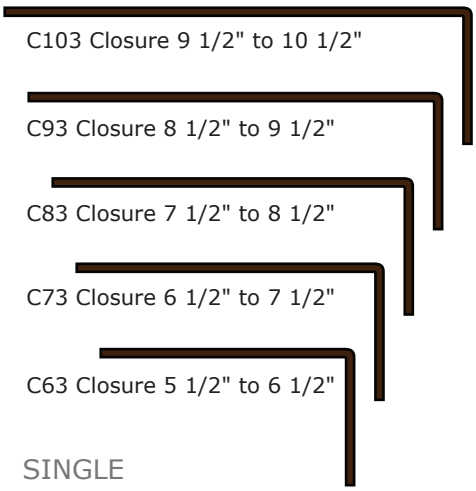
Our ***AK-Series*** Frames are made using 20 gauge galvanized primed steel.

Finishing options are restricted to High Definition White primer.

Fire ratings up to 90 minutes are avaliable.

Mullions are not available for ***AK-Series*** Adjustable Frames.

AK-Series Frames will accomodate a 1 3/4" door weighing up to 250 lbs.



AVAILABLE IN JAMB DEPTHS:

Adjustable from 4 1/2" to 10 1/2" using six different closure pieces.

FINISH OPTIONS

High Definition White Primer - for field painting

FINISHING METHODS

Coil Coated Galvanized Primer - High Definition White

CASING OPTIONS - (Must use TA-18 Casing Retainer Clips for Timely Casing)

NUMBER	MATERIAL	SIZE	REVEAL
TA-8	Steel	1 1/2" x 7/16"	1/4"
TA-23	Aluminum	1 1/2" x 7/16"	1/4"
TA-28	Aluminum	1 3/4" x 7/16"	None
TA-28M	Aluminum	2" x 7/16"	None
TA-30	Steel	1 3/4" x 3/4"	1/4"
TA-35	PVC	1 15/16" x 3/4"	1/8"
Wood	NHOS	Provided by others	

WARRANTY

1 Year limited warranty. See "Warranty" section for specific information.

HINGE PREPS

4", 4 1/2" .134, 5" .140

STRIKE PREPS

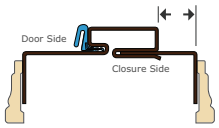
T, 2 3/4" DB, 3 1/2" DB, FB, ASA, Auto Deadbolt, Electric Strikes

CUT AND WELD (CAW) HARDWARE PREPS

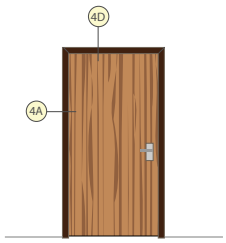
Not Available

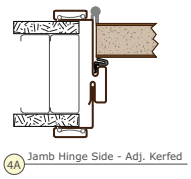
ADJUSTABLE KERFED FRAME CONFIGURATIONS AND DETAILS

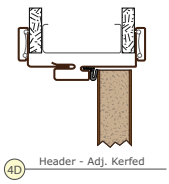
ADJUSTABLE KERFED FRAME (AK-Series) **SINGLE**



Shown with Wood Casing Supplied by Others.







RELATED INFORMATION

Frame Materials:
Primed Galvanized Steel

Door Thickness:
1 3/4" only

Max. Door Weight:
250 Lbs.

Max. Door Width:
4' - 0"

Max. Door Height:
10' - 0"

Frame Thickness:
20 gauge

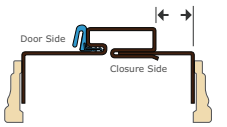
Jamb Depths:
4 1/2" to 10 1/2"

Note: All widths and heights are inside dimensions - net door opening size.

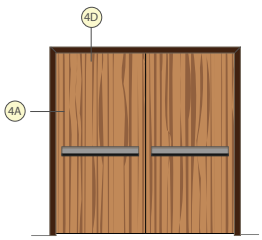
SOUND RATING

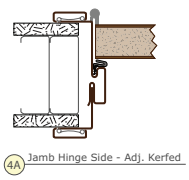
Ratings: STC-28

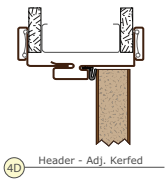
ADJUSTABLE KERFED FRAME (AK-Series) **PAIR**



Shown with Wood Casing Supplied by Others.







RELATED INFORMATION

Frame Materials:
Primed Galvanized Steel

Door Thickness:
1 3/4" only

Max. Door Weight:
200 Lbs. each

Max. Door Width:
2 x 4' - 0"

Max. Door Height:
10' - 0"

Frame Thickness:
20 gauge

Jamb Depths:
4 1/2" to 10 1/2"

Note: All widths and heights are inside dimensions - net door opening size.

SOUND RATING

Ratings:
Not Avaliable

ADJUSTABLE FRAME FIRE RATINGS

ADJUSTABLE KERFED FRAME (AK-Series) - SINGLE **FIRE RATING**

JAMB DEPTH RANGE	90 minute (AK-Series)
Min. Jamb Depth: 4 1/2"	**Max. Width:** 4' - 0"
Max. Jamb Depth: 10 1/2"	**Max. Height:** 8' - 0"

All dimensions shown are inside dimensions - net door opening size.

Distributors of Timely Frames may be approved to purchase labels and apply them to frames at their own facility. Intertek has set guidelines and a fee schedule for this program. Requirements and prices are available from Timely or Intertek.

ADJUSTABLE KERFED FRAME (AK-Series) - PAIR **FIRE RATING**

JAMB DEPTH RANGE	90 minute
Min. Jamb Depth: 4 1/2"	**Max. Width:** 6' - 0"
Max. Jamb Depth: 10 1/2"	**Max. Height:** 8' - 0"

All dimensions shown are inside dimensions - net door opening size.

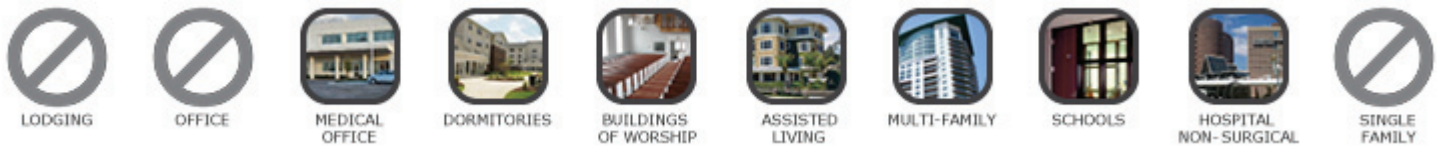
Distributors of Timely Frames may be approved to purchase labels and apply them to frames at their own facility. Intertek has set guidelines and a fee schedule for this program. Requirements and prices are available from Timely or Intertek.

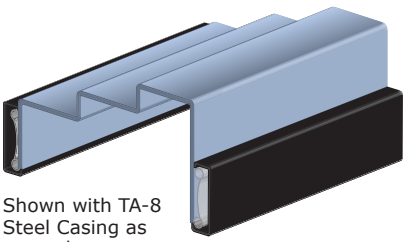
GENERAL INFORMATION

1. All openings approved for Positive and Neutral pressure unless otherwise noted.
2. All ratings apply to steel stud, wood stud, or masonry construction.
3. All ratings approved for category "A" and "B" doors with category "G" edge sealing.
4. Timely's fire rated Metal "U" Insert is recomended for masonry installations. If wood sub-frame is used in place of Metal "U" Insert, it will be necessary to use fire rated drywall on both sides of wood to maintain fire rating.
5. Wood casing does not affect ratings on door frames. Wood casing must be applied with hot melt glue or contact adhesive on 90 minute rated frames and on all glazed openings with 45 minute or 60 minute rating. On all other fire rated frames, wood casing can be applied with nails or finish head screws on jambs and mullions.
6. Single frames must be prepared for strike or reinforced with (TA-48) for a rim exit device strike.
7. Embossed WHI 90 min. label is available for Primer Galvanized Frames only.
8. Metal 90 min. label riveted to frame is available.

DOOR FRAMES

DOUBLE EGRESS (DE-SERIES)





Shown with TA-8 Steel Casing as example

PAIR

The prefinished steel ***DE-Series*** Double Egress Frame is commonly used for openings requiring Doors swinging in opposite directions.

Our ***DE-Series*** Double Egress Frames are made using 18 gauge pre-finished steel.

Finishing options include 2 standard colors, 4 premium colors, 29 Timely custom colors, project matched custom colors or primed for field painting. Galvanizing is available for all painted finishes and is RE-QUIRED in areas subject to high humidity, corrosive environment or exterior installations.

Fire ratings up to 90 minutes are available.

Mullions are not avaliable for ***DE-Series*** Double Egress Frames.

Our ***DE-Series*** Double Egress Frames will accomodate 1 3/4" doors weighing up to 250 lbs each.

AVAILABLE JAMB DEPTHS:

4 7/8" to 13" in 1/8" increments.

FINISH OPTIONS

2 Standard colors – Browntone, Western White
Primed for field painting
4 Premium colors – Alumatone, Autumn Brown, Black, Stone Gray
29 Timely custom colors – No charge for color match
Unlimited custom colors – Charge for color match applies

FINISHING METHODS

Electrostatic Liquid coat on steel
Powder Coat Galvanealed Steel
Electrostatic Liquid coat on aluminum – Casing only
Clear Anodized – Aluminum Casing only (Standard with Alumatone frames with aluminum casing)
Electro-Galvanized Primer

CASING OPTIONS

NUMBER	MATERIAL	SIZE	REVEAL
TA-8	Steel	1 1/2" x 7/16"	1/4" Door Side, 7/8" Stop Side
TA-23	Aluminum	1 1/2" x 7/16"	1/4" Door Side, 7/8" Stop Side
TA-28	Aluminum	1 3/4" x 7/16"	None Door Side, 5/8" Stop Side
TA-28M	Aluminum	2" x 7/16"	None Door Side, 5/8" Stop Side
TA-30	Steel	1 3/4" x 3/4"	1/4" Door Side, 7/8" Stop Side
TA-35	PVC	1 15/16" x 3/4"	1/8" Door Side, 3/4" Stop Side
Wood	NHOS	Provided by Others	As detailed

WARRANTY

1 Year limited warranty. See "Warranty" section for specific information.

HINGE PREPS

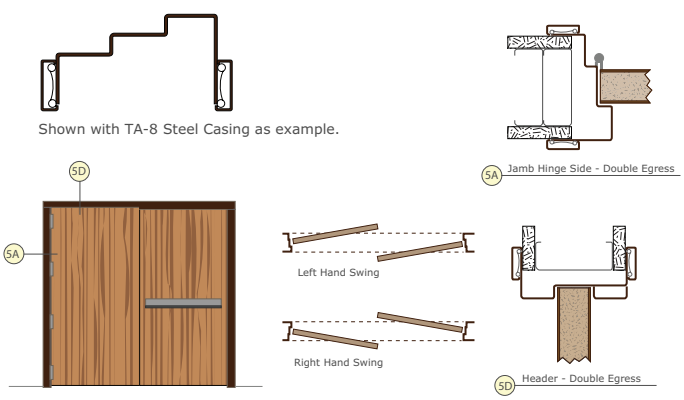
4 1/2" .134, 4 1/2" .180, 5" .140, 5" .190

HARDWARE PREPS - (Reinforced for Parallel Arm Closers and Surface Mounted Rim Vertical Rod Exit Device Strike)

EPT
Concealed overhead stops/holders
Concealed vertical rod exit device strikes
Offset hung pivot sets
Intermediate pivots

DOUBLE EGRESS FRAME CONFIGURATIONS AND DETAILS

DOUBLE EGRESS (DE-SERIES) **PAIR**



RELATED INFORMATION

Frame Materials:
Pre-Finished Steel

Door Thickness:
1 3/4" only

Max. Door Weight:
250 lbs. each

Max. Door Width:
2 x 4' - 0"

Max. Door Height:
10' - 0"

Frame Thickness:
18 gauge

Jamb Depths:
4 7/8" to 13" in 1/8" increments

Note: All widths and heights are inside dimensions - net door opening size.

SOUND RATING

Ratings:
Not Avaliable

DOUBLE EGRESS FRAME FIRE RATINGS

PAIR DOUBLE EGRESS (DE-Series) **FIRE RATING**

JAMB DEPTH RANGE	45, 90 minute
Min. Jamb Depth: 4 7/8"	**Max. Width:** 8' - 0"
Max. Jamb Depth: 13"	**Max. Height:** 8' - 0"

All dimensions shown are inside dimensions - net door opening size.

Distributors of Timely Frames may be approved to purchase labels and apply them to frames at their own facility. Intertek has set guidelines and a fee schedule for this program. Requirements and prices are available from Timely or Intertek.

GENERAL INFORMATION

1. All openings approved for Positive and Neutral pressure unless otherwise noted.
2. All ratings apply to steel stud, wood stud, or masonry construction.
3. All ratings approved for category "A" and "B" doors with category "G" edge sealing.
4. Timely's fire rated Metal "U" Insert is recomended for masonry installations. If wood sub-frame is used in place of Metal "U" Insert, it will be necessary to use fire rated drywall on both sides of wood to maintain fire rating.
5. Wood, Aluminum or PVC casing does not affect ratings on door frames. Wood casing must be applied with hot melt glue or contact adhesive on 90 minute rated frames and on all glazed openings with 45 minute or 60 minute rating. On all other fire rated frames, wood casing can be applied with nails or finish head screws on jambs and mullions.
6. Embossed WHI 90 min. label is available for Primer Galvanized Frames only.
7. Metal 90 min. label riveted to frame is available.

DOOR FRAMES

POCKET DOOR TRIM SETS (P-SERIES)

Shown with TA-8 Steel Casing as example

SINGLE CONVERGING

The prefinished steel ***P-Series*** Pocket Door Trim Kit is used to trim out Pocket Door openings. The purpose of the P-Series Pocket Door Trim Kit is to make Pocket Door openings consistent with other Timely Frames on the project.

Our ***P-Series*** Pocket Door Trim Kits are 18 gauge prefinished steel.

Finishing options include 2 standard colors, 4 premium colors, 29 Timely custom colors, project matched custom colors or primed for field painting. Galvanizing is available for all painted finishes and is REQUIRED in areas subject to high humidity, corrosive environment or exterior installations.

Fire ratings are not avaliable with ***P-Series*** Pocket Door Trim Kits.

Mullions are not avaliable for ***P-Series*** Pocket Door Trim Kits.

For use with 1 3/8" or 1 3/4" Doors. Please refer to Pocket Door hardware specifications (supplied by others) for maximum Door weight.

AVAILABLE JAMB DEPTHS:

4" to 13" in 1/8" incriments.

FINISH OPTIONS

2 Standard colors – Browntone, Western White

Primed for field painting

4 Premium colors – Alumatone, Autumn Brown, Black, Stone Gray

29 Pre-matched custom colors – No charge for color match

Unlimited custom colors – Charge for color match applies

FINISHING METHODS

Coil Coated steel

Electrostatic Liquid coat on steel

Electrostatic Liquid coat on aluminum – Casing only

Clear Anodized – Aluminum Casing only (Standard with Alumatone frames with aluminum casing)

Electro-Galvanized Primer

CASING OPTIONS

NUMBER	MATERIAL	SIZE	REVEAL
TA-8	Steel	1 1/2" x 7/16"	1/4" Door
TA-23	Aluminum	1 1/2" x 7/16"	1/4" Door
TA-28	Aluminum	1 3/4" x 7/16"	None
TA-28M	Aluminum	2" x 7/16"	None
TA-30	Steel	1 3/4" x 3/4"	1/4" Door
TA-35	PVC	1 15/16" x 3/4"	1/8" Door
Wood	NHOS	Provided by Others	As detailed

WARRANTY

1 Year limited warranty. See "Warranty" section for specific information.

HINGE PREPS

None

STRIKE PREPS

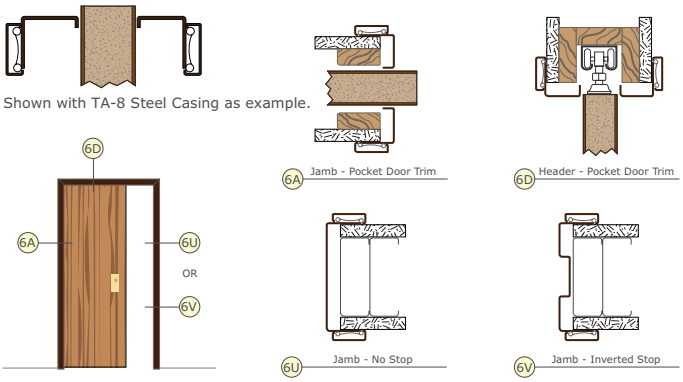
1" x 2 1/4" Square Pocket Latch Strike
1 1/4" x 2 3/4" Deadbolt Strike
1 1/4" x 3 1/2" Square Corner Deadlock Strike
1" x 3 9/16" Square Corner Pocket Latch Strike

CUSTOM STRIKE PREPS

Provide Physical Sample or Template

POCKET DOOR FRAME CONFIGURATIONS AND DETAILS

POCKET DOOR TRIM KIT (P-SERIES) **SINGLE**



RELATED INFORMATION

Frame Materials:
Pre-Finished Steel

Door Thickness:
1 3/8" or 1 3/4"

(6U) JAMB - NO STOP

Max. Door Width:
5' - 0"

Opening Width:
(Door Width) - 1/2"

Max. Door Height:
10' - 0"

(6V) JAMB - INVERTED STOP

Max. Door Width:
5' - 0"

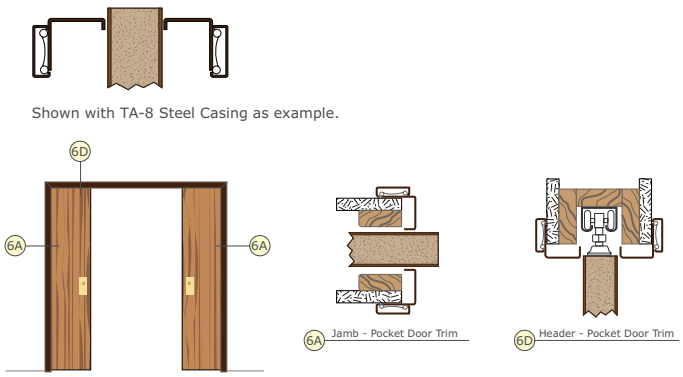
Opening Width:
(Door Width) - 1"

Max. Door Height:
10' - 0"

Frame Thickness:
18 gauge

Jamb Depths:
4" to 13" in 1/8" increments

POCKET DOOR TRIM KIT (P-SERIES) **CONVERGING**



RELATED INFORMATION

Frame Materials:
Pre-Finished Steel

Door Thickness:
1 3/8" or 1 3/4"

Max. Door Weight:
250 lbs. each

Max. Door Width:
2 x 4' - 0"

Max. Door Height:
10' - 0"

Frame Thickness:
18 gauge

Jamb Depths:
4" to 13" in increments

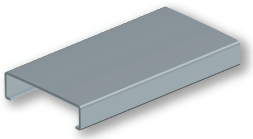
Note: All widths and heights are inside dimensions - net door opening size.

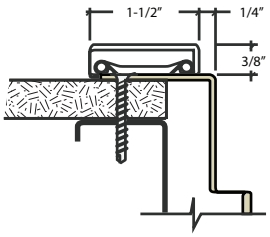
SOUND RATING

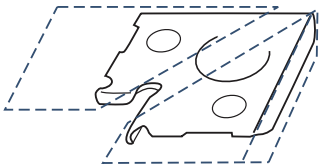
Ratings:
Not Avaliable

TIMELY CASING OPTIONS

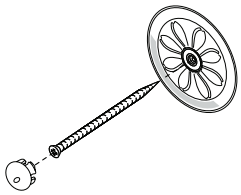
TA-08 Steel

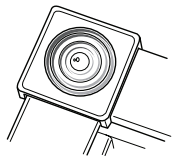




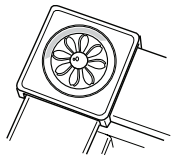


ATA-6 Casing Corner Piece
Used to ensure tight miters.





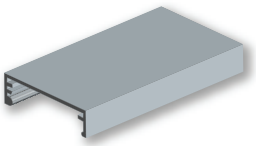
TA-22 Saturn Rosette

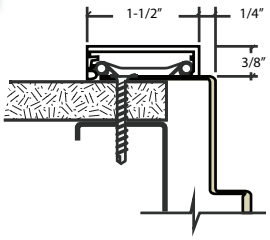


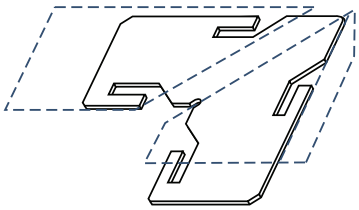
TA-21 Floral Rosette

Finishes: Browntone, Black, Westen White, Autumn Brown, Stone Gray, Alumatone and all Elite finishes. Rosettes available in Western White, custom colors and primer.

TA-23 Aluminum



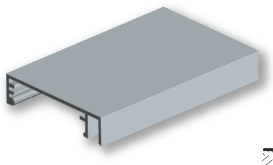


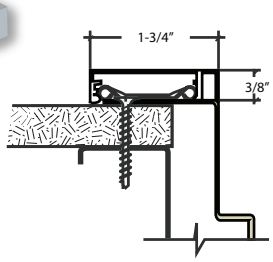


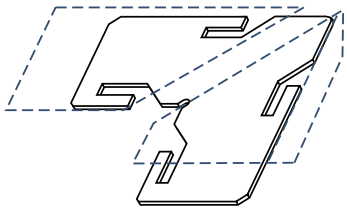
A-24 Aluminum Casing Corner Piece
Used to ensure tight miters.

Finishes: Browntone, Black, Clear Anodized and Mill (consult factory for additional finishes)

TA-28 Aluminum Casing







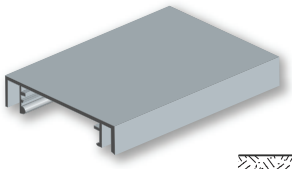
A-24 Aluminum Casing Corner Piece
Used to ensure tight miters.

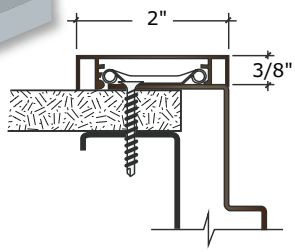
Use TA-28M Casing for Mullions

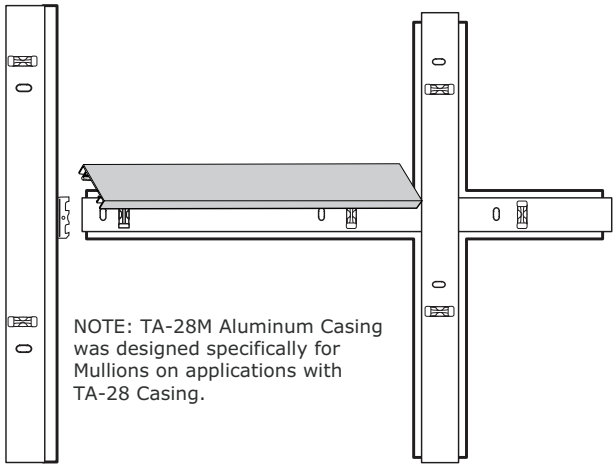
Finishes: Browntone, Black, and Mill. (consult factory for additional finishes)
(ASA-Must use extended lip)

TIMELY CASING OPTIONS

TA-28M Aluminum Mullion Casing





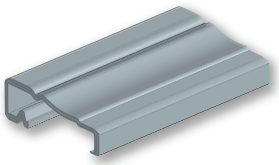


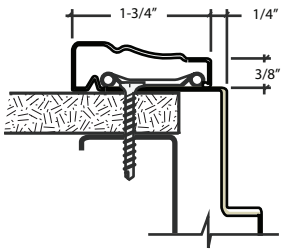
NOTE: TA-28M Aluminum Casing was designed specifically for Mullions on applications with TA-28 Casing.

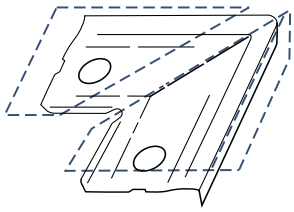
Finishes: Browntone, Black, and Mill.
(consult factory for additional finishes)
(ASA-Must use extended lip)

TA-30 Colonial Steel Casing*

Not Available on Mullions or Sill

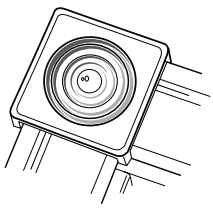




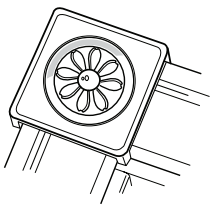


A-31N Aluminum Casing Corner Piece

Used to ensure tight miters.



TA-34 Saturn Rosette

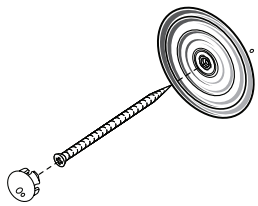


TA-33 Floral Rosette

* When using a regular arm closer or a door guard, you must specify a trim emboss.

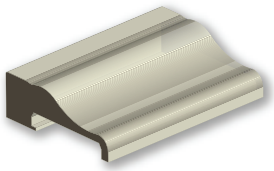
(See; Products > Casing Options > Hardware Preps > Surface Mount Hdw.)

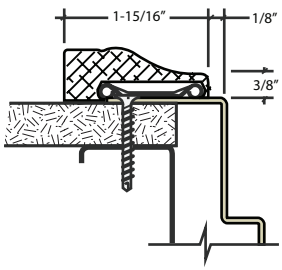
Use TA-08 Steel Casing on Mullions for applications with TA-30 Casing



Finishes: Browntone, Black, Western White, Autumn Brown, Stone Gray and Aumnatone.

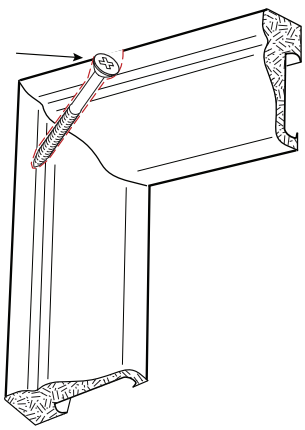
TA-35 Colonial PVC Casing





TA-68 PVC Casing Corner Screw.

Used to ensure tight miters.



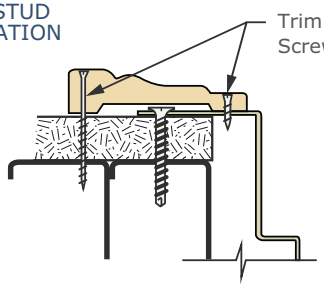
Finishes: Browntone, Black Western White, Autumn Brown and Stone Gray.
(consult factory for availability)

WOOD (SUPPLIED BY OTHERS)

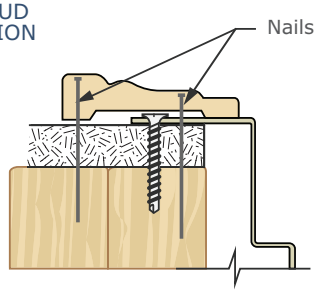
Wood casing can easily be applied to Timely frames. This requires a frame without Casing Retainer Clips. Specify frames with nail holes and oval slots (NHOS) only. Wood casing is then installed over the frame face using a nail gun or trim head screws. Casing profile must provide back clearance for screw heads used to install frame.

Fire ratings for non-glazed openings are not affected when using wood casing. Glazed openings are reduced to 20 minutes.

STEEL STUD APPLICATION



WOOD STUD APPLICATION



Note: Timely recommends using an 18 ga. or 20 ga. frame with 15 ga. heat treated finish nails (Senco). These nails allow application of wood casing by nailing through the frame material and into the stud.

FINISHING METHODS AND CHARACTERISTICS

COIL COAT POLYURETHANE (PRE-COAT)

This process is used on approximately 90% of our production. The steel is cleaned, primed and finish coated in a three step process which includes heat drying for the primer and Top Coat. This polyester based product outperforms all jobsite applied finishes, greatly reduces jobsite labor and eliminates the hazardous waste issues associated with field applied coatings.

ELECTROSTATIC LIQUID PAINT (POST-PAINT)

This is a liquid paint coating used on small orders for custom colors. We also use this method for Double Egress frames and frames with custom hardware preps.

POWDER COAT

This finish uses a fine pigmented powder rather than a liquid medium to coat the frame. This finish is very hard and durable though it sometimes appears to be "orange peel" textured. All our standard adjustable frames are powder coated to prevent scratching the paint as the two pieces of the frame are moved in and out.

CLEAR ANODIZED

This process is used only on aluminum and is not available on steel frames. We use a clear anodized finish on aluminum casing if the frame color is Alumatone which creates a very close match. Other anodized aluminum finishes are not available.

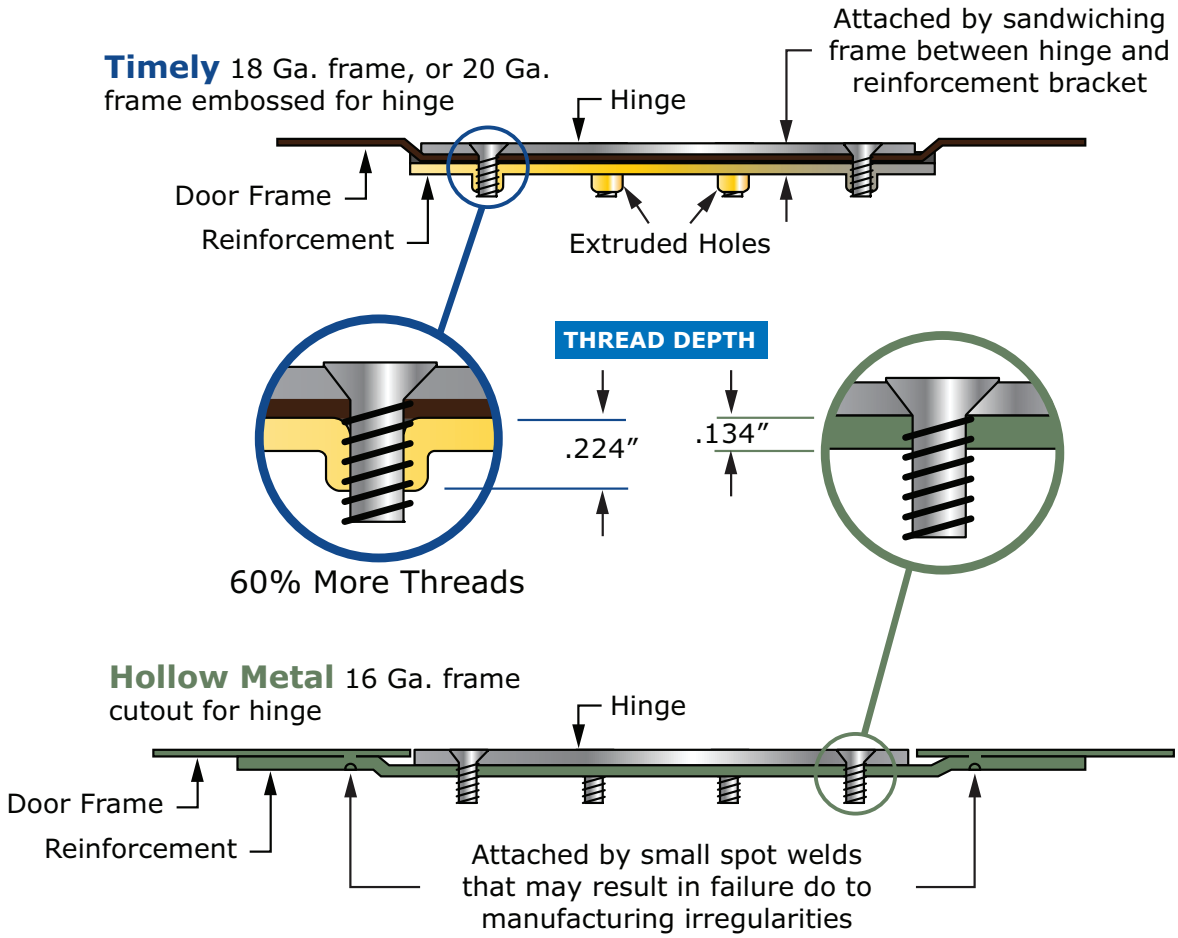
CLEAR COATED STEEL

Our newest finish option is a tinted clear coat over galvanized steel. This produces a more metallic appearance and is only available as a coil coated process.

HARDWARE PREPARATIONS

Standard Hardware preparations are performed on Timely frames using an emboss die. This process punches holes and stretches the metal to provide a mortise for the hardware being used. There are numerous advantages to embossing frames rather than cutting out areas of steel and welding in the necessary brackets for mounting the hardware. Several of these advantages are:

- ACCURACY: Dies are positively located to reference off critical frame dimensions
- INTEGRITY: Embossing leaves the steel of the frame between the hardware and the reinforcement eliminating the possibility of weld failure
- UNIFORMITY: Dies can only create one shape. The dimensions, angles and other critical features cannot change unlike manual cut outs
- STRENGTH: Extruded threads on back plates and screw holes provide considerably more thread depth than traditional reinforcing plates. Timely thread depth is .250, 10 ga. Hollow Metal is .1345



These dies are very sophisticated and, needless to say, expensive. Because of the expense of the dies, we are limited to which types of hardware for which we can emboss. Following is a list and description of our Standard hardware Preps.

HARDWARE PREPARATIONS

STANDARD HINGE PREPARATIONS - Embossed Preps with TA-11 Gusset

HINGE SIZE	TIMELY'S CODE	RADIUS	SCREW PATTERN	DEPTH	ELECTRIC HINGE OPTION	FRAME SERIES						
						S	C	A	CK	AK	DE	P
3 1/2"	_35	1/4"	Template	0.100		●	●					
	_35HW	1/4"	Template	0.123		●	●					
	_35R	5/8"	Template	0.100		●	●					
4"	_40WS-F	sq.	Weather Shield	0.100	✓	●	●	●	●			
	_40	1/4"	Template	0.100	✓	●	●	●	●			
	_40TC-A	1/4"	Castlegate	0.100	✓	●	●	●	●			
	_40UK-G	1/4"	UK-5mm	0.100	✓	●	●	●	●			
	_40MS-A	5/8"	Masonite	0.090	✓	●	●	●	●			
	_40TT-E	5/8"	Therma-Tru	0.100	✓	●	●	●	●			
4 1/2"	_45	sq.	Template	0.134	✓	●	●	●	●	●	●	
	_45HW	sq.	Template	0.180	✓		●				●	
5"	_50	sq.	Template	0.145	✓	●	●	●			●	
Continous	CONT				✓ Requires Timely's reinforce bracket p/n: TA-58							

STANDARD STRIKE PREPARATIONS

TYPE	DOOR SIZE		PREP SIZE	FRAME SERIES						
	1 3/8"	1 3/4"		S	C	A	CK	AK	DE	P
Full Lip		●	1 1/2" x 2 1/4"	●	●	●	●	●		
T-Strike (adjustable)	●	●	1 1/4" x 2 3/4"	●	●	●	●	●		
Deadbolt	●	●	1 1/4" x 2 3/4"	●	●	●	●	●		
ANSI Mortise Deadbolt 3 1/2"		●	ANSI 3 1/2"	●	●	●	●	●		
ANSI ASA 4 7/8"		●	ANSI 4 7/8"	●	●	●	●	●		
Euro Mortise Lock Strike - Universal		●	196.1mm x 29.1	●	●	●	●	●		
Euro Mortise Lock Strike - Onity		●		●	●	●	●	●		
Deadbolt - Auto (ANSI Lip at Top)		●	1 1/8" x 4 7/8"	●	●	●	●	●		
Deadbolt - (Euro Lip at Bottom)		●	1 1/8" x 4 7/8"	●	●	●	●	●		
Pocket Latch 2 1/4"	●	●	1" x 2 1/4"							●
Pocket Latch 3 1/2"	●	●	1" x 3 1/2"							●

HEADER PREPARATIONS

TYPE	DOOR SIZE		PREP SIZE	FRAME SERIES						
	1 3/8"	1 3/4"		S	C	A	CK	AK	DE	P
Flushbolt (Reversible)		●	1" x 4"	●	●	●	●	●	●	
Full Lip		●	1 1/2" x 2 1/4"	●	●	●	●	●		
T-Strike Adjustable	●	●	1 1/4" x 2 3/4"	●	●	●	●	●		
Deadbolt	●	●	1 1/4" x 2 3/4"	●	●	●	●	●	●	
ANSI 4 7/8"		●	1 1/8" x 4 7/8"	●	●	●	●	●		
Roller Latch	●	●	1 1/4" x 2 3/4"	●	●	●	●	●		

HARDWARE PREPARATIONS

STRIKE PREPARATIONS - Electric

Frames prepared for electric strikes also require the casing to be knoched. This leaves an exposed hole in the casing. Timely supplies a TA-10M Casing Fillerwith your order to fill the exposed hole. Some electric strikes are avaliable from the manufacturer with a Lip Extender (see below). If avaliable a Lip Extenderis the prefered method.

	Manufacturer's Product Number	Available Lip Extender	Timely Casing Filler: TA-8 TA-30	Timely Casing Filler: TA-23 TA-28 TA-28M	Fire Rated	Spacing ID	Series: Classic S	Classic C	Adjustable A	Kerfed CK	Adjustable Kerfed AK	Double Egress DE	Pocket Trim P	Comments
Adams Rite	7140	-01			No	B	•	YES	YES	YES	•	•	•	
	7240	-01			No	B	•	YES	YES	YES	•	•	•	
	7440	LEK7400-50	010-106099	010-206099	No	B	•	YES	YES	YES	•	•	•	
HES	4500		010-113099	010-213099	No	B	•	YES	YES	YES	•	•	•	
	RF4510		010-113099	010-213099	No	B	•	YES	YES	YES	•	•	•	
	5000	5204-1/2	010-106099	010-206099	No	B	•	YES	YES	YES	•	•	•	
	5200	5204-1/2	010-108099	010-208099	No	B	•	YES	YES	YES	•	•	•	
	7000	7000-104	010-111099	010-211099	No	B	•	YES	YES	YES	•	•	•	Use 791 Faceplate
	8000	801E	010-103099	010-203099	No	B	•	YES	YES	YES	•	•	•	
	RF8010	801E	010-103099	010-203099	No	B	•	YES	YES	YES	•	•	•	
	RF8210	801E	010-103099	010-203099	No	B	•	YES	YES	YES	•	•	•	
	8300	801E	010-103099	010-203099	Fire Rated	B	•	YES	YES	YES	•	•	•	
	8500		010-103099	010-203099	Fire Rated	B	•	YES	YES	YES	•	•	•	
	Vista V3-1	Option 1	010-103099	010-203099	No	B	•	YES	YES	YES	•	•	•	
	Vista V3-7	Option 7E	010-101099	010-201099	No	B	•	YES	YES	YES	•	•	•	
	Vista V3-7E	Option 7E			No	B	•	YES	YES	YES	•	•	•	
RCI	L6514		010-109099	010-209099	No	B	•	YES	YES	YES	•	•	•	
	S6514		010-111099	010-211099	No	B	•	YES	YES	YES	•	•	•	
	F4114	LEK01	010-115099	010-215099	Fire Rated	B	•	YES	YES	YES	•	•	•	
ROFU	1402		010-104099	010-204099	No	B	•	YES	YES	YES	•	•	•	
	1507		010-102099	010-202099	No	B	•	YES	YES	YES	•	•	•	
	1702		010-104099	010-204099	No	B	•	YES	YES	YES	•	•	•	
	1802		010-104099	010-204099	No	B	•	YES	YES	YES	•	•	•	
	2402		010-105099	010-205099	No	B	•	YES	YES	YES	•	•	•	
	3402		010-104099	010-204099	No	B	•	YES	YES	YES	•	•	•	
SDC	25 Series		010-107099	010-207099	No	B	•	YES	YES	YES	•	•	•	
	45 Series		010-114099	010-214099	No	B	•	YES	YES	YES	•	•	•	
Secur-itron	UnLatch UNL-12		010-103099	010-203099	No	B	•	YES	YES	YES	•	•	•	
	UnLatch UNL-24		010-103099	010-203099	No	B	•	YES	YES	YES	•	•	•	
Trine	2012		010-112099	010-212099	No	B	•	YES	YES	YES	•	•	•	
	3234		010-102099	010-202099	No	B	•	YES	YES	YES	•	•	•	
	3478		010-102099	010-202099	No	B	•	YES	YES	YES	•	•	•	
Von Duprin	5100		010-110099	010-210099	No	B	•	YES	YES	YES	•	•	•	

STRIKES NOT AVAILABLE

Some electric strikes are not available. If the strike you would like to use is not available, please contact Timely Technical Services for explanation or alternate choices. Reasons strikes may not be available are:

1. Faceplate is larger than 4 7/8"
2. Faceplate has radius corners
3. Housing dimension exceeds the frame face on Timely frame

FIRE RATED STRIKE AVAILABILITY

Only the strikes listed above are approved for use on Timely frames. Other strikes are available as fire rated strikes but are designed to be used with frames that have a 2" space behind the frame. These strikes are not recommended for Timely frames because the wall must be cut away to make room for the strike. If any strikes are used that require the wall to be cut away, the cut out space must be caulked with intumescent caulk around the perimeter of the strike mechanism.

NOTE: Please refer to our website for current specifications and capabilities.

CUSTOM HARDWARE PREPARATIONS

Timely also offers CUT AND WELD (CAW) hardware Preparations to accommodate hardware specified for projects but low volume or other requirements preclude the investment in an emboss die. For these preparations, the frame is cut out for the hardware shape and reinforcement plates are welded in to secure the hardware and guarantee a long lasting, trouble free opening. The methods used are similar to ANSI A250.8 (SDI 100) specs but the reinforcements used by Timely far exceed those requirements. In most cases, this standard calls for 1/8" (.125) thick tabs for screws resulting in approximate capture of only 2 threads. Timely uses a minimum of 3/8" bar steel for all reinforcements with the mortise for hardware milled into the solid reinforcement. This method provides a much more substantial mounting base, 3 times the thread capture on screws and a much more solid welding platform to prevent "popping" of projection welds commonly used on hollow metal frames. Because of the welding process used, all frames with CUT AND WELD (CAW) hardware preps, including DE double egress frames must be 18 gage material. After the frame is prepared for hardware, it is sent to be post painted. CUT AND WELD (CAW) hardware preps are not available on S series or Pre Coated steel. Some examples of CUT AND WELD (CAW) hardware preparations are:

- Concealed Vertical Rod exit device strikes
- Electronic Power Transfers (EPT)
- Special electric strikes
- Concealed overhead stop/holders – base shoe mortised in frame rabbet
- Concealed overhead stop/holders ADJ function – arm slide track mortised in frame rabbet
- Center hung pivot sets
- Offset hung pivot sets
- Intermediate Pivots
- Rescue Hardware – Emergency Stop release and double lipped strike
- Non standard mortised strikes
- Overhead Concealed closers – Concealed in door arm track in frame head

STRIKE PREPARATIONS - CUT AND WELD (CAW)

TYPE	DOOR SIZE		PREP DIMENSIONS	FRAME SERIES						
	1 3/8"	1 3/4"		S	C	A	CK	AK	DE	P
Rescue Hardware Strike		●	Per Mfg. Template		●					
Non ASA Mortise Lock Strike		●	Per Mfg. Template		●					
Custom Pocket Latch Strike		●	Per Mfg. Template		●					
Custom Flush Bolt Strike		●	Per Mfg. Template		●					
Concealed Vertical Rod Exit Device Strike		●	Per Mfg. Template		●					
ASA 4 7/8"		●	Per Mfg. Template		●					
Rim Exit Device Electric Strike		●	Per Mfg. Template		●					

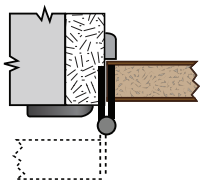
MISCELLANEOUS HARDWARE - CUT AND WELD (CAW)

TYPE	DOOR SIZE		PREP DIMENSIONS	FRAME SERIES						
	1 3/8"	1 3/4"		S	C	A	CK	AK	DE	P
Jamb Switch		●	Per Mfg. Template		●	●	●			
Rescue Hardware Emergency Stop	●	●	Per Mfg. Template		●	●	●			
Overhead Concealed Stop - *SHOE*	●	●	Per Mfg. Template		●		●			
Overhead Concealed Stop - *TRACK*		●	Per Mfg. Template		●		●			
Overhead Concealed Closer - Closer in Door		●	Per Mfg. Template		●		●			
Magnetic Contact	●	●	Per Mfg. Template		●	●	●			

NOT RECOMMENDED FOR USE WITH TIMELY FRAMES

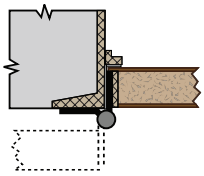
There are several types of hardware that we do not recommend for use with Timely frames. With any hardware applied to a drywall frame, there is the possibility of interference with the wall. Traditional hollow metal frames have a 2" face with a hollow "tube" to mount the hardware. Most commercial hardware is designed with the assumption that this is the available space. With hollow metal drywall frames or Timely drywall frames, the wall fits inside the frame where the hardware is mounted. Sometimes, the wall material has to be mortised to make room for the hardware. With most of the custom hardware preparations we have approved, this is easily done. In other cases, the hardware is not suited for use with Timely frames and these applications are not recommended. Most notable are concealed overhead closers mounted in the frame head and Soss invisible hinges because of the extended depth of the reinforcement and the deep mortise required in the wall structure.

HARDWARE APPLICATION - HINGES & PIVOTS



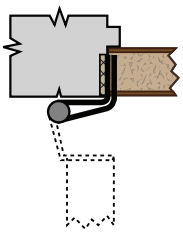
FULL MORTISE

DOORS	FRAMES
Solid Core Wood	Wood
Hollow Metal	Hollow Metal
Mineral Core Wood Doors with minimum 3/4" Edge Style	



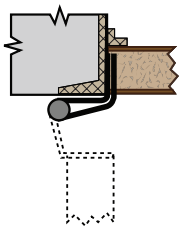
HALF MORTISE ⊘

DOORS	FRAMES
Solid Core Wood	Channel Iron
Hollow Metal	Tubular



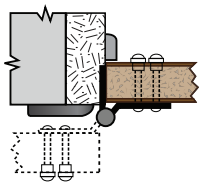
SWING CLEAR FULL MORTISE

DOORS	FRAMES
Wood	Hollow Metal
Kalamein	



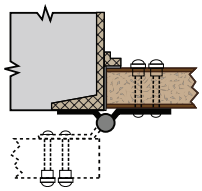
SWING CLEAR HALF MORTISE ⊘

DOORS	FRAMES
Wood	Channel Iron
Kalamein	



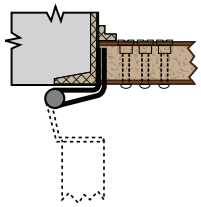
HALF SURFACE

DOORS	FRAMES
Hollow Core Wood Wood	
Mineral Core Wood Doors	Hollow Metal
Mineral Core Wood Doors less than 3/4" Edge Style	



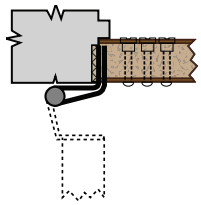
FULL SURFACE ⊘

DOORS	FRAMES
Hollow Core Wood	Channel Iron
Kalamein	Tubular



SWING CLEAR FULL SURFACE ⊘

DOORS	FRAMES
Mineral Core	Channel Iron



SINGLE CLEAR HALF SURFACE

DOORS	FRAMES
Mineral Core	Hollow Metal

BUTT HINGES - FULL MORTISE

PREPARATION – 3 ½" HINGES

(S) Standard Prep (O) Optional Prep

Depth – Frame emboss
- 3 1/2" - .100 (S)
- 3 1/2" - .120 (O) (Suffix 'HW')

Backset – Distance from the edge of the mortise to the stop
- 3 1/2" prep on 1 3/8" frame – 9/32"
- 3 1/2" prep on 1 3/8" door – 3/16"

Hardware actual thickness
- 3 1/2" Residential Weight - .088" - .100"
- 3 1/2" Commercial Weight - .123"
- 3 1/2" Commercial Heavy Weight – Not Available

Corners
- 1/4" Radius – Residential Weight or Commercial Weight (S)
- 5/8" Radius – Residential Weight only (O) (Suffix 'R')
- Square – not available

Screws
- 10-24 x 1/2" FHMS with #9 undercut head
- Some residential hinges are countersunk for #9 wood screws. If that is the case, then the screws must be 10-24 x 1/2" with #9 undercut head. Undercut head is required to prevent the screw from "bottoming out" against the frame emboss

Screw Pattern
- Template Pattern only

HARDWARE APPLICATION - HINGES & PIVOTS

PREPARATION – 4" HINGES

Depth – Frame Emboss

4" - .120" only (S)

Backset - Distance from the edge of the mortise to the stop

4" prep on 1 3/4" frame – 3/8"
4" prep on 1 3/4" door – 1/4"

Hardware actual thickness

4" Residential Weight - .088" - .100"
4" Commercial Weight - .130"
4" Commercial Heavy Weight – not available

Corners

1/4" Radius – Residential or Commercial Weight (S)

5/8" Radius – Residential Weight proprietary for residential steel door manufacturers (O)
Square – not available unless used for proprietary emboss

Screws

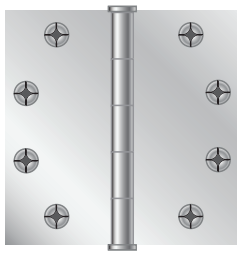
12-24 x 1/2" FHMS with undercut head. Some residential weight hinges are prepared for #10 wood screw. Hinges must be ordered with countersink for #12 screw or screw must be 12-24 x 1/2" with #10 undercut head. Proprietary hinges are drilled and tapped for 10-24 x 1/2" machine screws standard with steel door manufacturer

PROPRIETARY 4" HINGE

Timely has proprietary dies for the following steel door manufacturers:

Castlegate 1/4" Rad. – (TC-A)
Masonite 5/8" Rad. – (MS-A)
Pease 5/8" Rad. – (PS-D)
Therma-Tru 5/8" Rad. – (TT-E)
Weathershield Square Corner – (WS-F)
United Kingdom 1/4" Radius with 5mm machine screw (UK-G)

PREPARATION – 4 1/2" HINGE



Depth – Frame Emboss

4-1/2" - .140 only (S)
4-1/2" - .180 Heavy Weight (C)

Backset - Distance from the edge of the mortise to the stop

4 1/2" prep on 1 3/4" frame – 3/8"
4 1/2" prep on 1 3/4" door – 1/4"

Hardware Actual Thickness

4-1/2" Residential Weight – Not Available
4-1/2" Commercial Weight - .134
4-1/2" Commercial Heavy Weight - .180

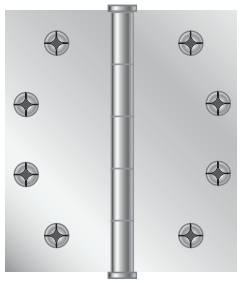
Corners

Square Only (S)

Screws

12-24 x 1/2" FHMS (S) with undercut head

PREPARATION – 5" HINGES



Depth – Frame Emboss
- 5" - .140 Emboss (S)
- 5" - .190 Heavy Weight – Custom Hardware Prep

Backset - Distance from the edge of the mortise to the stop
- 5" prep on 1 3/4" frame – 3/8"
- 5" prep on 1 3/4" door – 1/4"

Hardware Actual Thickness
- 5" Residential Weight – Not Available
- 5" Commercial Weight - .140
- 5" Commercial Heavy Weight - .190 (Custom Hardware Prep)

Corners
- Square Only (S)

Screws
- 12-24 x 1/2" FHMS (S) with undercut head

HINGE INSTALLATION TIPS

SCREWS

Hinge screws must be of the proper length, thread and head configuration as specified above. Install hinges on the door first, then lift the door into position to line up the screw holes in the top hinge. Once the top hinge is secured, install the remaining hinges from the bottom of the door up. Some installers have attempted to use wood screws that come with the hinges but this is not an approved installation. Using a screw with the proper head configuration for the hinge being used is the major consideration after selecting the proper machine screw.

SHIMMING

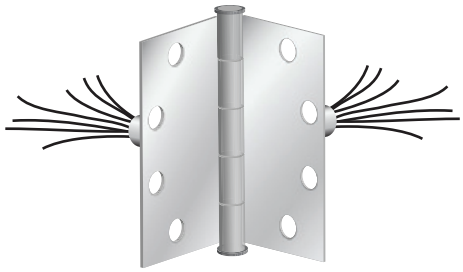
Hinges can be shimmed to align the door in the opening but the Timely frame system is designed to use the door panel as the template which should alleviate the need for shimming. If doors are incorrectly sized or not beveled, shimming hinges can sometimes solve the problem. When shimming, use metal or cardboard shims. For fire rated frames, only steel shims are approved.

BEVELED DOORS

When doors are machined, it is common practice to bevel the lock edge to ensure that the leading edge of the door will not hit the frame rabbet. The standard door bevel is 1/8" in 2" or 3°. Timely frame systems are engineered with a recommendation of 3/32" clearance at the top and both vertical edges. In order to equalize the 3/32" edge clearance on the doors, a 3° bevel is specified for both the hinge and lock edge. The bevel on the hinge edge helps relieve the possibility of hinge bind, especially when using light weight hinges with very little swaging and less than 1/16" space between the leaves in the closed position.

ELECTRIC HINGES

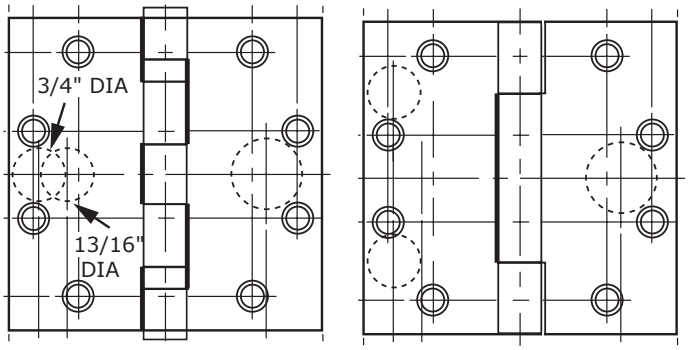
PURPOSE



Electric hinges serve several functions and can be wired to perform single or multiple tasks. The most common task is power transfer. There are numerous locks and/or strikes that must have low voltage (12VDC, 24VDC) wiring for proper operation. The simplest method is to provide power transfer capability in the hinge, most commonly the center hinge. Low voltage wiring is directed from the power source to one leaf of the hinge. The circuit is then transferred to a raceway inside the door with an opening in the lock mortise. The wiring is attached to the electronic device and the device is installed. This provides the power required with no visible wiring or conduit. The other use for an electric hinge is to monitor door position. Many security systems monitor openings electronically and with cameras. If a door is opened, the switch in the hinge is tripped alerting the guard or other monitoring apparatus.

PREPARATION

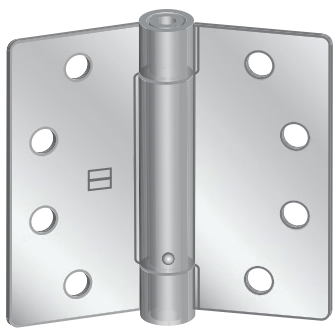
Most electric hinges use our standard 4 1/2" template mortise. The hinge itself installs as a normal hinge. The preparation for the wiring requires a hole in the frame and reinforcing plate (TA-11) in the proper location and of the correct diameter. Since each manufacturer has a different position and hole size, we must have a template to make sure we are preparing the frame properly. Handing may be an issue if the hole in the hinge plate is not located in the vertical center of the preparation. Even though most Timely hinge jambs are reversible, the handing may be required for preparation of the hinge.



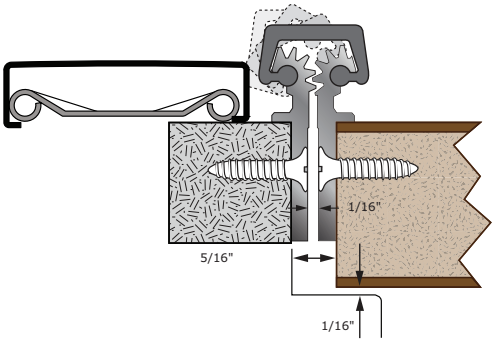
OTHER HINGE TYPES

SPRING HINGES – FULL MORTISE

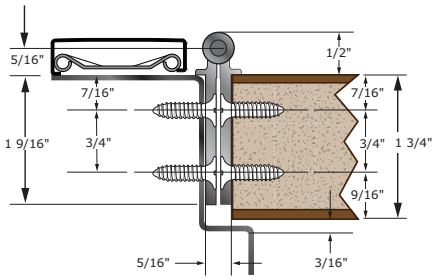
Preparation on the frame is the same as for standard full mortise hinges. Since a spring hinge is not intended to carry the weight of a door, it is recommended that the spring hinge be installed in the center position. If two spring hinges are used, install at the middle and bottom positions. Of course, if all hinges supplied are spring hinges, there is no option.



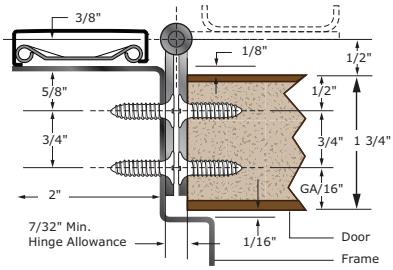
HARDWARE APPLICATION - HINGES & PIVOTS



HAGER-ROTON
Gear Driven



MARKAR
Barrel Hinge



STANLEY
Barrel Hinge

FRAME PREPARATION

Since this frame is a surface mounted hinge, both on the frame and the door, no emboss for hinge is required. On both 20 ga. and 18 ga. frames, reinforcement is required to provide adequate screw holding. A TA-58 reinforcement plate must be applied to the hinge rabbet prior to installing the hinge jamb on the wall. Make sure the adhesive strip is applied to the reinforcement where it will contact the frame rabbet. Hinges are supplied with self drilling machine screws that drill pilot holes and then tap their own threads. The installer drills for screws at the jobsite. Without proper reinforcement, risk of screws working loose and opening failure is likely.

SCREWS

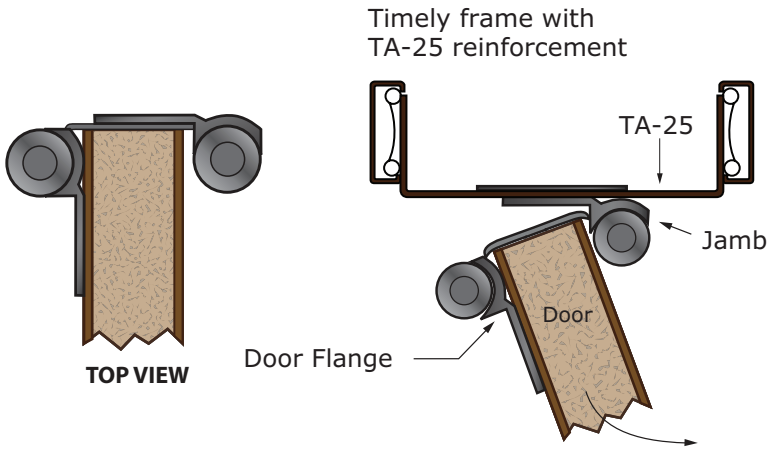
Most hinges are supplied with self drilling screws, either #10 or #12 depending on the manufacturer's preference. Self drilling screws (Tek) drill a pilot hole and tap threads in one process so no factory preparation is required other than the reinforcing mentioned previously.

INSTALLATION

This type of hinge is considered "non-template" meaning that the actual screw locations may vary depending on the door height. Since it is surface mounted, it must be field installed. The hinge is held in position on the frame and screw locations are marked. A center punch is used at each mark to guide the point on the self drilling screw. Once the frame is marked, the hinge is then fastened to the door using the same process. The door edge of steel doors is reinforced similar to the frame. If using wood or composite core doors, wood screws are supplied. For wood edges, holes are marked, pilot holes are drilled and the hinge is mounted to the door. Once the hinge is in place on the door, the door is positioned at 90° from the opening and screws are drilled into the jamb.

HINGE BARREL – CASING CONFLICT

With Barrel hinges, the barrel size and projection is normally sufficient for the door to open 180° without hitting the casing on Timely frames. With gear driven hinges, care must be taken to make sure there is no conflict. The supplier must take into account that the gear raceway actually moves toward the casing as the door is opened and may contact the casing as the door is opened further. Gear driven hinges with an extended barrel to clear the casing are required for Timely frames with casing.

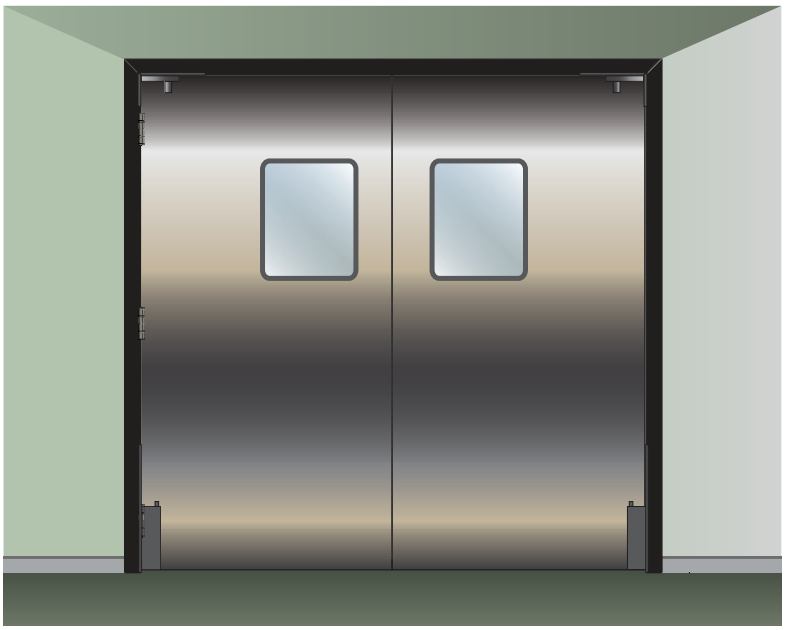


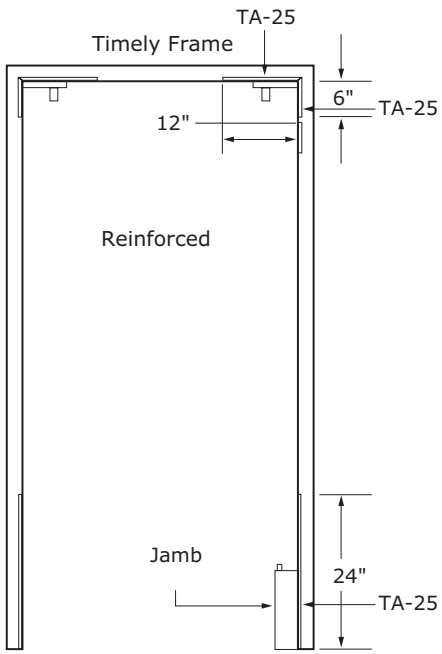
DOUBLE ACTING SPRING HINGES

FRAME PREPARATION – Hinges are attached to a cased opening jamb using standard machine screws. In this installation, a TA-25 is applied to the center of the frame on the back side prior to installation on the wall. Once the frame is installed, the hinge screw holes are located and then drilled and tapped for machine screw threads. The door is mounted to the hinge flange and tested for proper operation. The door must be sized appropriately or the strike stile must be radiused to provide necessary clearance. Once the door is operating as required, the hinge springs are tightened using a tension bar to provide the necessary closing force.

ELIASON DOORS

Eliason doors usually use surface mounted pivot hardware requiring reinforcement only on Timely frames. For each door, provide 3 ea. TA-25 reinforcement plates. The frame profile is always cased opening (no stop) since these doors are double acting.

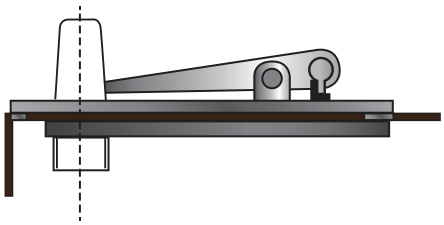


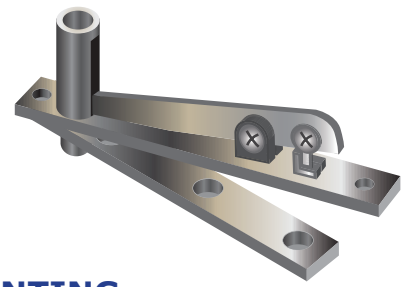


PIVOT SETS – CUT AND WELD (CAW) HARDWARE PREPS

CENTER HUNG TOP PIVOTS – FRAME MOUNTING

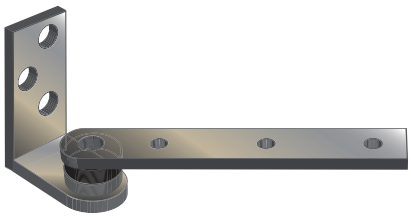
Several issues are faced when using pivot sets. First, because Timely frames are drywall (install over the finished wall) frames, the available space between the frame and the structure varies greatly. Ideally, the minimum is 1/2" and the maximum would be up to 1 1/8". This limits the types of pivot hardware that can be used since the mechanism is normally installed in the space between the jamb and structure. Second, there are numerous types of hardware with different requirements for reinforcement, screw hole location and cover plate sizes. Timely frames are prepared for pivot sets using a special reinforcement plate welded to the frame. Modify the framing at the jobsite to accomodate the top pivot.





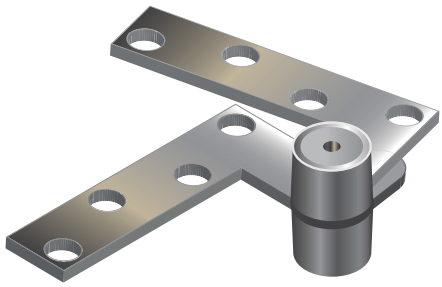
CENTER HUNG BOTTOM PIVOTS – FRAME MOUNTING

Bottom Pivot sets can be surface mounted on the floor, recess mounted on the floor or anchored to base of the door frame. If the pivot anchors to the frame, a surface mounting plate or a mortised plate may be used. For surface mounted hardware, Timely will supply a TA-25 reinforcement and the screw holes are drilled and tapped at the jobsite. If the mounting hardware requires a mortise, the frame is cut out and a pre-drilled reinforcement plate is welded to the frame.



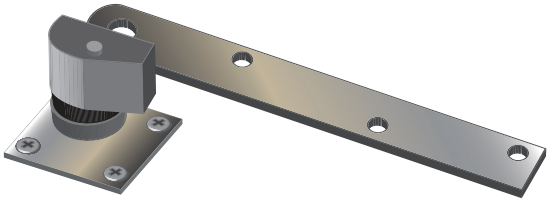
OFFSET HUNG TOP PIVOTS – FRAME MOUNTING

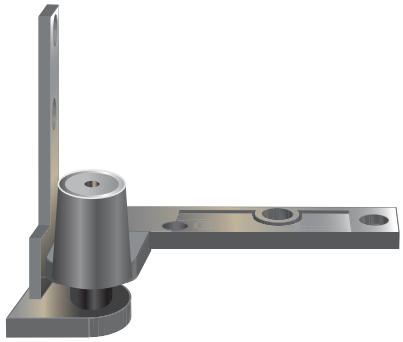
Offset hung top pivots create other problems when used with Timely frames. In most cases, the thickness of the metal and its configuration require extra reinforcement in the frame. If a pivot set is being used instead of a hinge, it usually means the door is heavy or is used in a high frequency location. Preparation for this hardware must be done by cutting the frame and welding in a custom designed back plate. In some cases the casing may have to be notched also (TA-28). When using these pivots, the header must be anchored to the wall with the casing applied before installing the hardware.



OFFSET HUNG BOTTOM PIVOTS – FRAME MOUNTING

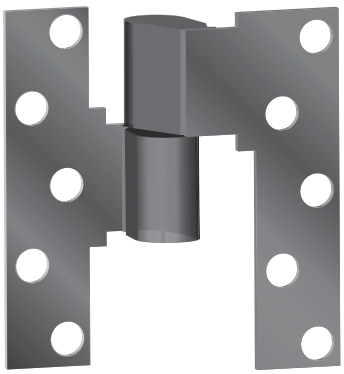
Offset hung bottom pivots present the same issues as center hung bottom pivots.

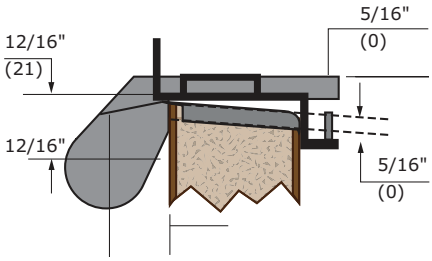




OFFSET HUNG INTERMEDIATE PIVOTS – FRAME MOUNTING

Offset hung intermediate pivots require a preparation in the jamb similar to a hinge preparation. Thickness of the jamb leaf, multiple sizes, shapes and screw patterns make it impossible for Timely to emboss frames for intermediate pivots. Preparation for this hardware must be done by cutting the frame and welding in a reinforcement.

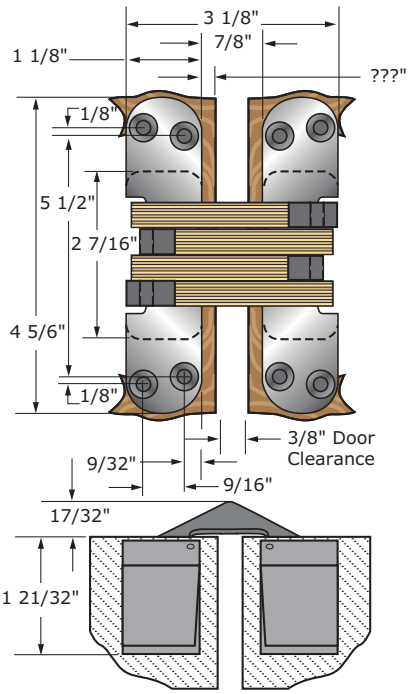


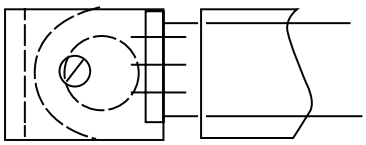


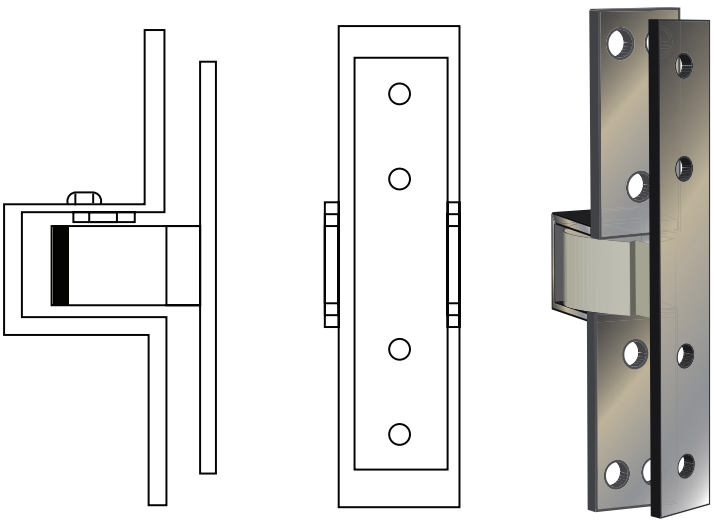
HANGING HARDWARE NOT COMPATIBLE WITH TIMELY FRAMES

INVISIBLE HINGES

Invisible hinges pose several problems for Timely. Invisible hinges are sized according to door thickness and weight. The smaller the door, the smaller the hinge, resulting in numerous hinge prep requirements. In addition, the hinge is much deeper than a standard butt hinge and our method of embossing the steel cannot be used to achieve those depths. It is possible to cut our frame for the hinge shape and weld in screw tabs but this must be done in a distributor's shop since it is not available from Timely. After the welding is complete, the paint must be repaired using TA-9 spray paint.







POCKET PIVOTS

A Pocket pivots provides a method to hold a door open at 90° into a recess in a wall. The pivot point must be offset a full 2" from the normal hinge point (similar to a swing clear hinge) to move the door into the pocket at 90° opening. This hardware requires a cut out in the frame face that exceeds our face dimension. It also requires 2" of clear space between the hinge rabbet and wall structure. With these requirements, it is not possible to use a Timely frame.

STRIKE PREPARATIONS

LOCKS AND LATCHES | EXIT DEVICES | FLUSH BOLTS

STRIKE PREPARATIONS - MORTISED

EXTENDED LIP STRIKE REQUIREMENTS

When selecting the proper strike for Timely frames, it is important to remember that there is casing projection. If the same strike used on hollow metal frames (1 ¼" lip to center) is used on a Timely frame, the latch bolt may contact the casing before the strike lip which will mar the finish on the casing. Latch strikes supplied by Timely have extended lip but strikes supplied with most hardware do not. Where necessary, order strikes with lips sufficient to clear the 3/8" casing projection. This is especially critical when using electric strikes since the casing is cut out exposing the hollow space under the casing. An electric strike without an extended lip will not cover this hollow space and a TA-10M must be custom designed to fill the casing void.

LATCH STRIKES – WITH LIP

2 3/4" T STRIKE PREP

2 3/4" T strikes supplied with cylindrical locks cannot be used on Timely frames. The T strike emboss is actually offset 3/16" from the centerline of the rabbet on a frame for a 1 3/4" door. In addition, the screw holes are not tapped for 8-32 threads required to install strikes on steel frames. To solve this issue, Timely supplies an adjustable T strike with the proper lip extension, correct screw hole location and he required self tapping screws. This strike assures a trouble free, non-rattling, and aesthetically pleasing solution. When ordering cylindrical or tubular locks for use with Timely frames, the strikes normally supplied with the lock should be deleted from the order or discarded at the jobsite.

TA-1 Adjustable Strike installed

Frame prep for TA-1 strike

ASA 4 7/8" STRIKE

When specified on the order, Timely will prepare the frame for an ANSI 4 7/8" ASA Strike. This strike may be used for cylindrical locks but is required for mortise locks including mortise exit devices. This preparation is virtually the same as a standard hollow metal frame preparation except that the metal is embossed instead of cut out with screw tabs welded in. The Timely ASA strike prep pierces the screw hole instead of drilling. When the hole is tapped for threads in our factory, the actual thread depth is nearly three times the depth of a screw tab used on hollow metal frames. This prep is standard when using TA-28 flush aluminum casing. When using TA-28, always specify an ASA 4 7/8" strike with extended lip, 1 1/2" lip to center.

1 1/4" x4 7/8"ASA Strike Prep

HARDWARE PREPARATION AND APPLICATION

When using this strike with a mortise lock or mortise exit device, always allow for the difference in the strike centerline as opposed to the lock centerline when machining doors. Timely's standard strike location will determine the lock location on the door unless specified otherwise on the order.

VING AUTO DEADBOLT STRIKE PREPARATION

This is a special strike used to accommodate the automatic deadbolt function for some mortise locks. It is actually a standard ASA 4 7/8" strike with the lip extending to the top or bottom of the strike. Timely can prepare for this strike but it is critical that the correct information is supplied. There are two types of lock application in addition to door handing even if the location of the strike is at "reversible" locations. On the ANSI lock application, the lip is extended toward the top (the deadbolt is above the latch bolt) of the strike. On the EURO lock application, the lip is extended toward the bottom (the deadbolt is below the latch bolt) of the strike. When ordering, specify strike centerline on the frame (usually different than the lock centerline), either ANSI or EURO application and the handing.

ROLLER LATCH STRIKE, BULLET CATCH STRIKE PREPARATION

TA-71 Prep (T-Strike)

TA-71 Installed

There are numerous manufacturers of roller latches and bullet catches and all have different strike configurations. Since it would be very costly to make separate emboss dies for every latch, Timely chose to make a universal strike that would accommodate all roller latches and bullet catches. The preparation for this application is a standard TA-1 T strike prep. Because this prep has screw holes offset from the centerline of the rabbet, the recess in the strike must be offset from the strike centerline so the recess matches the centerline of the door and the roller latch. The user is advised to order the hardware without strikes and use the appropriate strike from Timely. The TA-70 is a universal strike for 1 3/8" doors and the TA-71 is a universal strike for 1 ¾" doors.

FULL LIP STRIKE PREPARATION

Full lip strike preparation is for a 2 ¼" lipped strike. These strikes are commonly used in residential construction because of the ease of wood jamb preparation using automated equipment. Our standard

Frame Prep

Radius Corner Strike

Tinnerman Clips

preparation has square corners although most strikes have ¼" radius corners. A radius corner strike can be installed in our standard preparation if the user doesn't care about the gap at the corners. The preparation features a slotted screw capture area and employs a tinnerman clip (furnished by Timely) instead of tapping threads into the frame material. The tinnerman clip allows the installer to use the wood screw that comes with the strike. Also, the slot allows the strike to be moved (adjusted) to the proper location to secure the door and prevent rattle. The actual strike is supplied by the user, not by Timely.

STRIKE PREPARATIONS - NO LIP

DEADLOCK STRIKES

Deadlock strike preparation is for a 1 1/4" x 2 3/4" square corner deadbolt strike. The preparation is centered in the door rabbet making it similar to the preparation commonly used with hollow metal frames. Timely's dead-lock strike must be used with this preparation because the screw holes are not tapped. If the customer wants to use the 2 3/4" deadlock strike that comes with their hardware, they must order our screws or field tap the screw holes. One distinct advantage of using our deadlock strike is that the bolt hole is offset making the strike "adjustable" when rotated 180º.

1 1/4" x 2 3/4" Deadlock Strike Prep

MORTISE DEADLOCK OPTIONS

2 3/4" strike – Use TA-3 prep and strike (see above)

3 1/2" strike – Use ANSI 1 1/8" x 3 1/2" Emboss

4 7/8" No lip strike - Use Timely 1 1/4" x 4 7/8" Custom Hardware Prep

FLUSH BOLTS

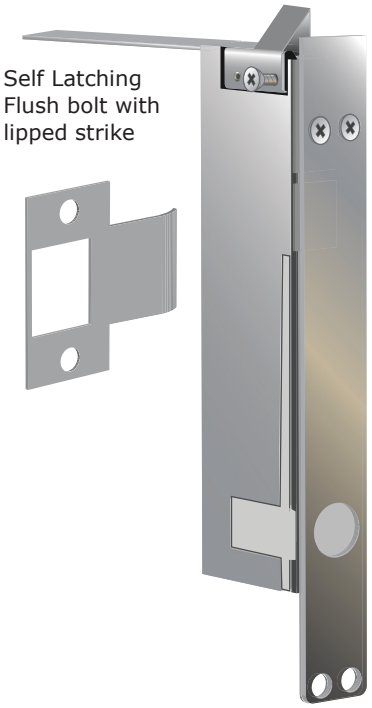
MANUAL AND AUTOMATIC

1 3/8" doors – Use TA-3 deadbolt strike preparation. We supply the deadbolt strike with a special hole for the flush bolt. For 1/2" diameter bolts, use TA-53 and for 1/4" diameter bolts use TA-52. The strike that comes with the flush bolt is discarded at the jobsite or the customer mayorder the bolt less the strike.

1 3/4" doors – Standard preparation is for our TA-40 reversible flush bolt strike. This strike is centered at the centerline between the two doors of a pair. It is compatible with all manual and auto-matic flush bolts that are not self latching.

TA-40 Reversible Flush Bolt Strike installed

HARDWARE PREPARATION AND APPLICATION



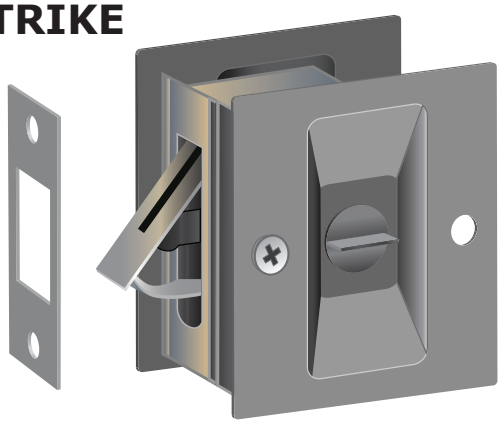
Self Latching Flush bolt with lipped strike

SELF LATCHING

For self latching flush bolts, use T strike prep or ASA strike prep. Timely can also CUT AND WELD (CAW) hardware prep for the strike that comes with the bolt. Most self latching flush bolts are available with a 2 3/4" lipped strike that will fit our TA-1 emboss. In some cases, the strike opening may have to be filed to allow proper latching.

POCKET DOOR LATCH STRIKE

We have two pocket latch strike emboss dies. The customer must obtain a strike that will fit in the 1" x 2 1/4" emboss or a 1" x 3 1/2" prep. If neither of these strikes are acceptable, the frame can be custom prepped for other strikes. All strike preps are available on standard no stop jambs or inverted stop jambs.



Light Duty Pocket Door Latch with 1” x 2 1/4”Strike

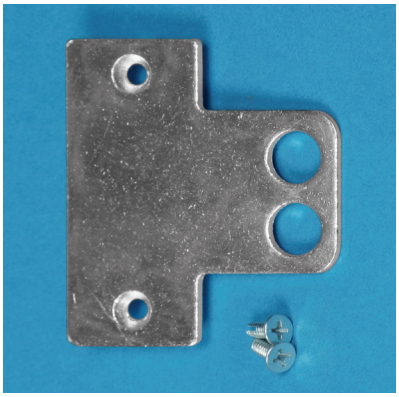
ELECTRIC STRIKES

Timely has one electric strike emboss available that will fit numerous strikes. The faceplate is a 4 7/8" ASA prep with tabs tapped for 12-24 screws. The face cut out is 3 3/8" x 27/32" which is deep enough for most strikes used with cylindrical lockset. The casing notch depth is adjusted to match the electric strike face depth. A complete list of manufacturers’ strikes and compatibility is available on our website. For all electric strikes, it is important to order an extended lip to make sure the strike fills the void in the casing. Or, if desired, Timely can supply a TA-10M filler plate if the lip is not long enough to clear the casing. Be aware that virtually all electric strikes require the wall to be modified to provide clearance for the mechanism behind the frame. When the depth of the mechanism exceeds the frame face dimension (1.562") the strike cannot be used. In addition, a fire rated strike must allow for 1/2" of drywall penetration meaning that the mechanism cannot be deeper than 1 1/8".

Electric Strike Prep with Casing Notch

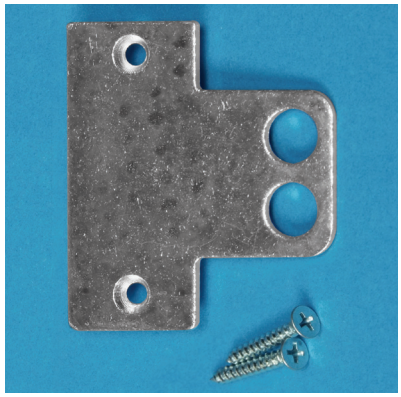
TA-10M filler (prior to casing installation)

STORAGE HASP



TA-4 Storage Hasp

Timely provides a strike preparation for storage hasps used on public storage facilities. The frame preparation is the same as a TA-1 strike. f ordered, a TA-4 or TA-4EX for frames with casing can be provided which accommodates a padlock for the storage unit.



TA-4EX Storage Hasp

STRIKE FILLERS

2 3/4" T Strike – Use TA-2

2 3/4" Deadbolt – Use TA-17

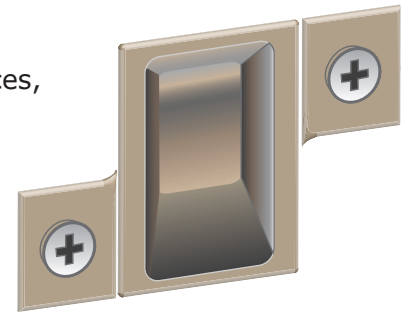
4 7/8" ASA – Use TA-32

Reversible Flush bolt – Use TA-42

CUT AND WELD (CAW) STRIKE PREPARATIONS

CONCEALED VERTICAL ROD EXIT DEVICE

Since each manufacturer has unique method of latching for these exit devices, Timely will custom prepare frames for these strikes if they are mortised.



Von Duprin 388 Strike

Reversible
Flush bolt –
Use TA-42

EUROPEAN LOCK STRIKES

Timely has recently introduced a Euro strike that accommodates a mortise lock with the deadbolt at the bottom and with greater than between the latch and deadbolt. Verify prep dimensions and strike limitations with factory. In most cases, a special strike must be ordered with the lock to fit in the Timely Euro strike preparation. In addition, Timely can custom prepare frames for other strikes.

Rescue Hardware
Double Lipped Strikes

RESCUE HARDWARE DOUBL LIPPED STRIKES

Timely can prepare cased opening (no stop) frames for double lipped strikes with or without the emergency stop release.

POCKET DOOR LATCH STRIKES

Custom pocket door latch strikes are available as custom hardware preps. The customer must supply a template or a physical sample of the strike being used.

STRIKES – SURFACE MOUNTED

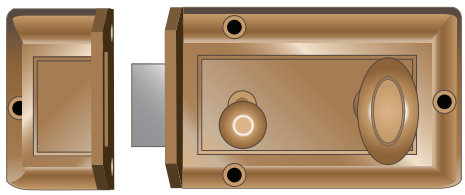
RIM EXIT DEVICE

Rim exit devices, both standard and vertical rod type have a surface mounted strike on the stop. Order frames with no strike emboss (NSE) and provide a TA-12 reinforcement.

Von Duprin 268 Rim
Exit Device Strike

RIM LOCK

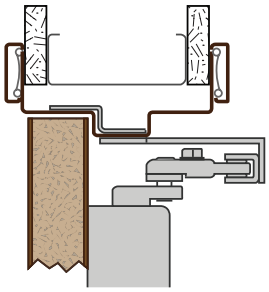
Rim lock strikes are surface mounted also. For locks mounted on the push side of the door, use TA-12 reinforcement. For locks mounted on the pull side, the casing may have to be notched for the strike or the lock may have to be shimmed out on the door to surface mount the strike on top of the casing. If the strike is mounted to the casing, use a TA-10 or TA-10A (TA-35 Casing) reinforcement under the casing.

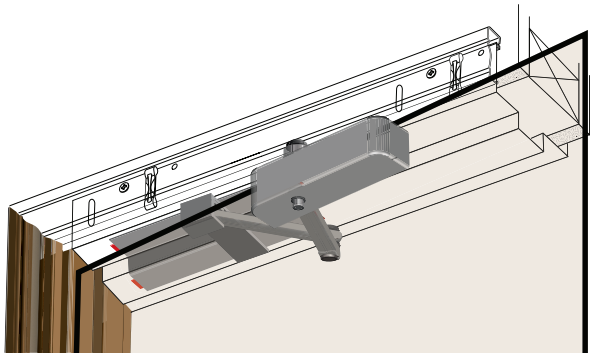


PUSH SIDE MOUNTED – PARALLEL ARM, TOP JAMB

PARALLEL ARM APPLICATION

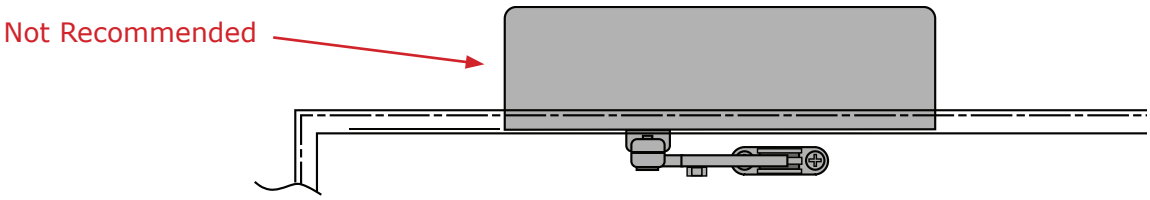
Use TA-12 applied to stop on header. The screw holes are near the door rabbet on the stop so the TA-12 must be applied to the door rabbet with the angle portion on the stop. The area available for screws is approximately 1 1/8" wide and corresponds to the minimum stop width for a Timely frame, except for the roll formed 40 frame which is 1/2". The frame is prepared for this closer by drilling and tapping for machine screws at the jobsite.

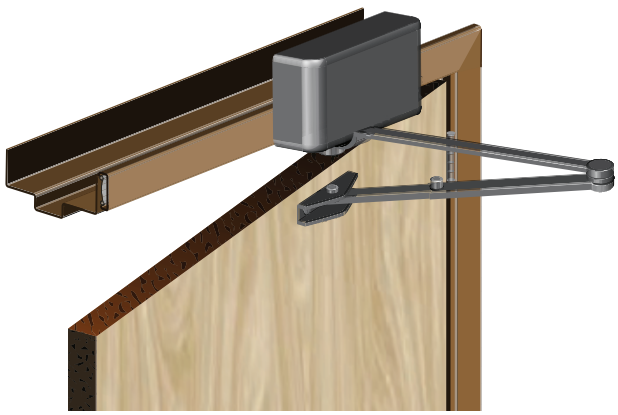




TOP JAMB APPLICATION

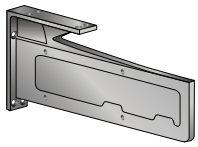
Top Jamb application means that the closer is mounted on the frame face and the arm is attached to the door. This application is seldom used and is not recommended for Timely frames. There are two issues encountered with this type of installation. One, the closer usually is too wide to mount on the casing precluding the use of a TA-10 and mounting the closer on top of the casing. Two, if the closer is mounted on the frame face, the structure must have reinforcement for the mounting screws and the casing has to be cut to make a space for the closer. This requires substantial extra labor and its use is discouraged.

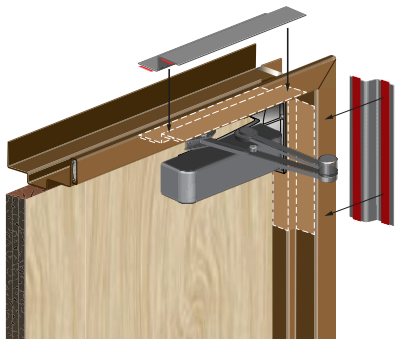




CORNER BRACKET MOUNTED

In some cases, it is necessary to mount the closer to a corner bracket and mount the arm to the door. The most common reason for this application is when other hardware interferes with the standard templating for the closer being used. If a corner bracket is being used, the hinge jamb and header must be reinforced with TA-12 for stop mounted corner bracket or TA-25 for rabbet mounted corner bracket.

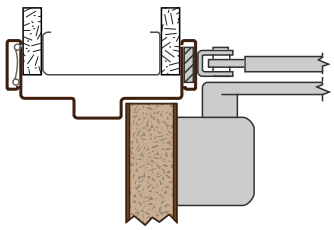


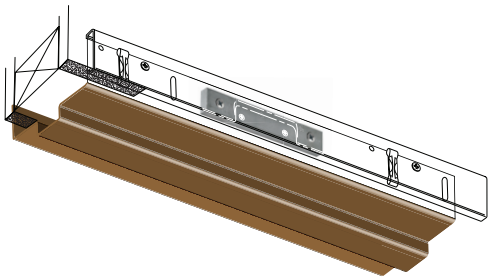


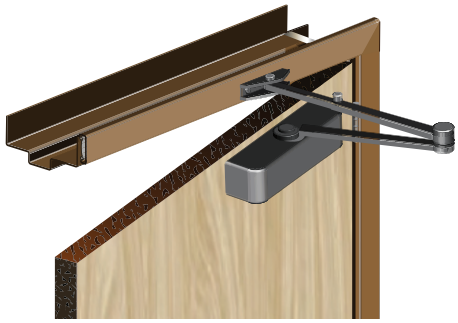
PULL SIDE MOUNTED – REGULAR ARM

REGULAR ARM APPLICATION

Use TA-10 applied to the face of the frame prior to installation of casing. TA-10 provides adequate blocking to prevent the casing from compressing when mounting the closer and also provides solid material to drill and tap machine screw threads to mount the closer shoe. If using TA-30 or TA-35 casing (use TA-10A instead of TA-10), the casing must be embossed or relieved to form a flat area to mount the closer shoe. Timely has a universal emboss that accommodates the arm shoe for most regular arm mounted closers. It is necessary to determine the degree of opening for the door to accurately locate the centerline of the emboss for the closer shoe.

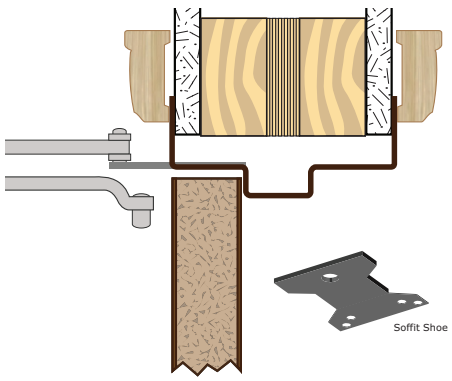






REGULAR ARM WITH SOFFIT SHOE

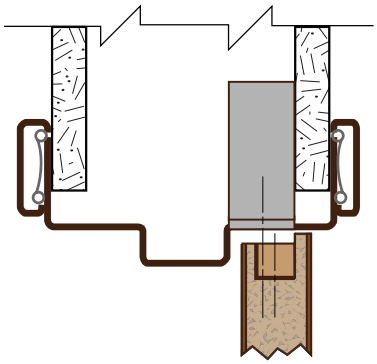
Use a soffit shoe when irregular or projecting trim precludes the installation of the standard regular arm shoe. Timely can prepare frames for a soffit shoe using custom hardware prep method. Specify product number, template number, degree of opening and handing.locate the centerline of the emboss for the closer shoe.

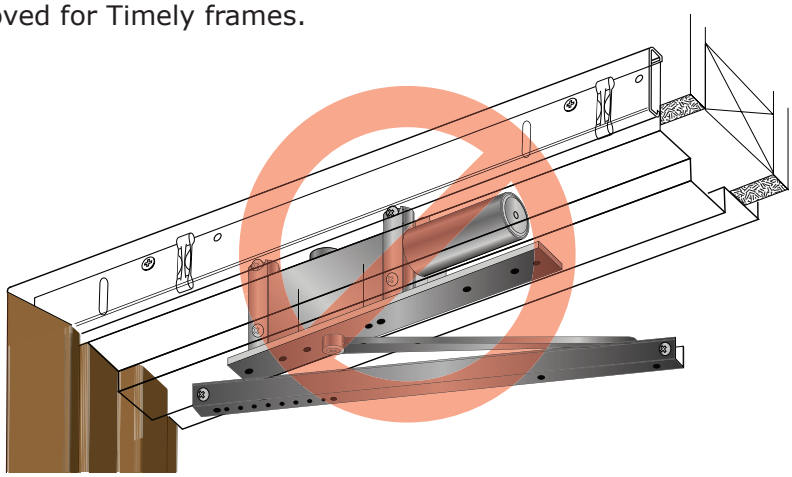


DOOR CONTROLS – CONCEALED IN FRAME

HEADER MOUNTED, CENTER HUNG

This type of mounting is not recommended for Timely frames. In most cases, the closer body is too deep for the limited space at the head of the frame. If the closer body and reinforcing is less than 1 3/4" deep, it is possible that the closer can be used but the structure must be modified. There are no "concealed in the frame" closers approved for Timely frames.

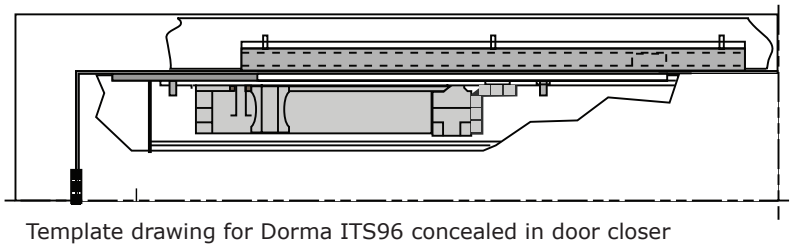




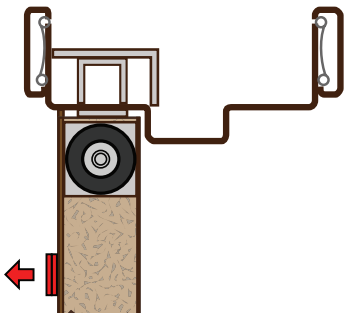
DOOR CONTROLS – CONCEALED IN DOOR

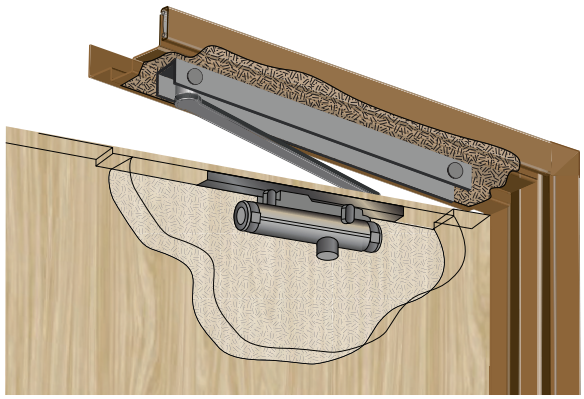
It is possible to prepare Timely frames for a door closer concealed in the door with the arm concealed in the frame. The Dorma ITS96 closer has been approved for installation and requires no modification of the header. Advise the customer to allow a full 1" of clear space at the head instead of the normal 13/16" to provide space for the reinforcement bar welded into the header.

Offset top pivots may conflict with closer and track. Substitute the top pivot with an intermediate pivot.



Template drawing for Dorma ITS96 concealed in door closer

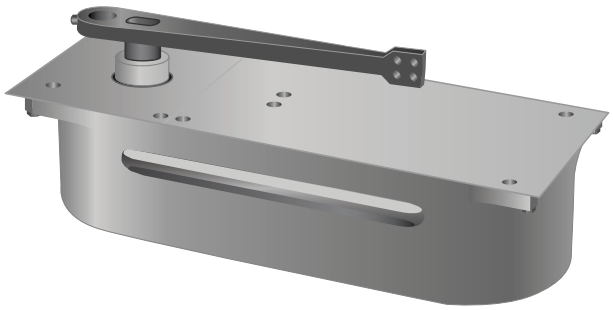




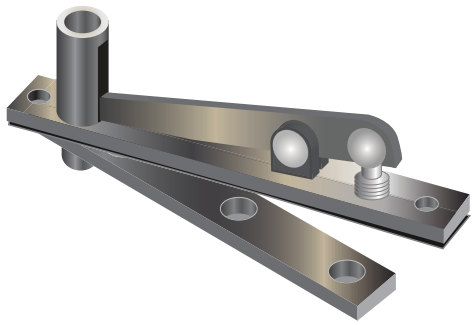
LCN 3130 Concealed in the door

FLOOR MOUNTED, CENTER HUNG

Several manufacturers provide center hung, floor mounted door closers. These closers require a center hung top pivot in the frame. In most cases, frames can be prepared for the top pivot as a CUT AND WELD (CAW) hardware prep. Most center hung top pivots require the contractor to make space in the header to allow installation of the pivot.



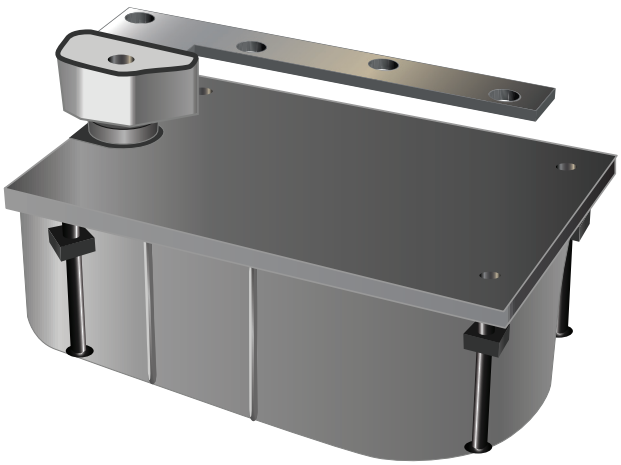
Rixson 30 Center Hung Floor Closer



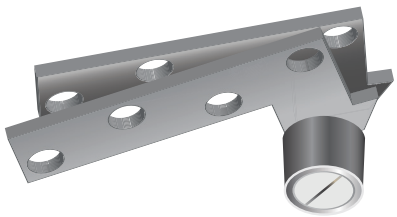
Rixson 320 Center Hung Top Pivot

FLOOR MOUNTED, OFFSET HUNG

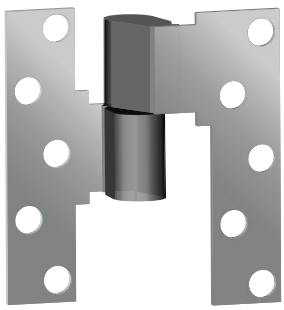
Several manufacturers also provide offset hung, floor mounted door closers. These closers require an offset pivot in the frame. In most cases, frames can be prepared for the top pivot as a CUT AND WELD (CAW) hardware prep. There is no need to modify the header for these pivots. Also, it is common to also provide an offset intermediate pivot that requires a custom prep on the hinge jamb.



Rixson 27 Offset Hung Floor Closer



Rixson 180 Offset Top Pivot

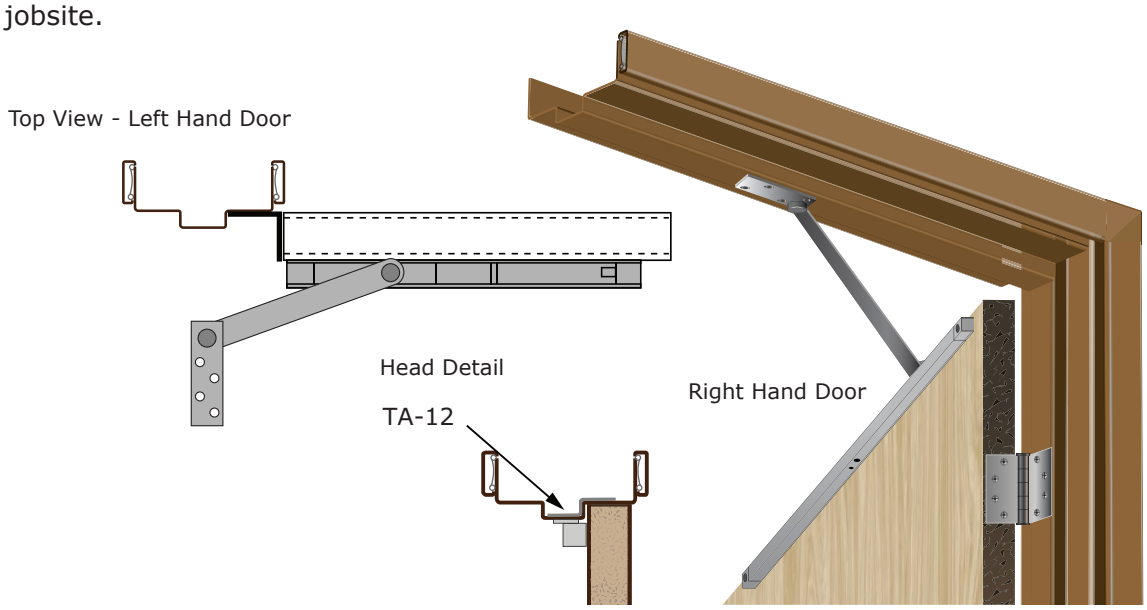


Rixson M19 Int. Pivot

SURFACE MOUNTED TO FRAME

STOP MOUNTED

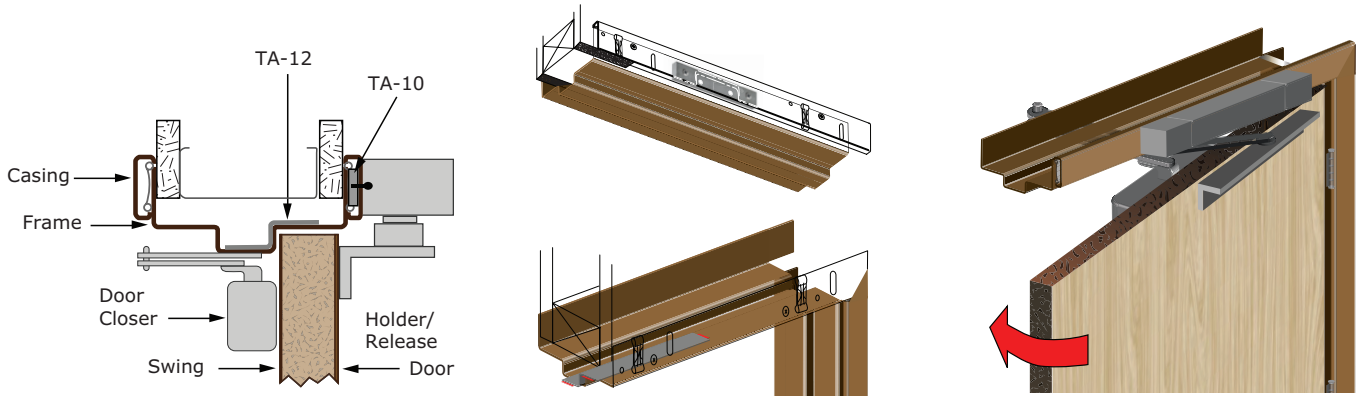
Many overhead stop/holders are surface mounted to the stop on the frame. For surface mounted stops, use a TA-12 reinforcement. The screw holes to install the shoe on the arm are drilled and tapped at the jobsite.



GJ90 Surface Mounted Overhead Stop/Holder

FACE MOUNTED (TOP JAMB)

Some overhead stop/holders are mounted to the face of the frame at the head. Although this application is not recommended, it can be used on Timely frames. Use TA-10 reinforcements behind the casing for the mounting screws. It is critical that the TA-10 installation screws are secured to solid blocking in the wall. If the reinforcement is not adequately secured, the stop/holder will fail due to the high impact transmitted when the stop/holder reaches its maximum degree of opening. When installing the hardware, be aware that the casing projects approximately 1/2" from the face of the door and slight adjustments on location may have to be made.

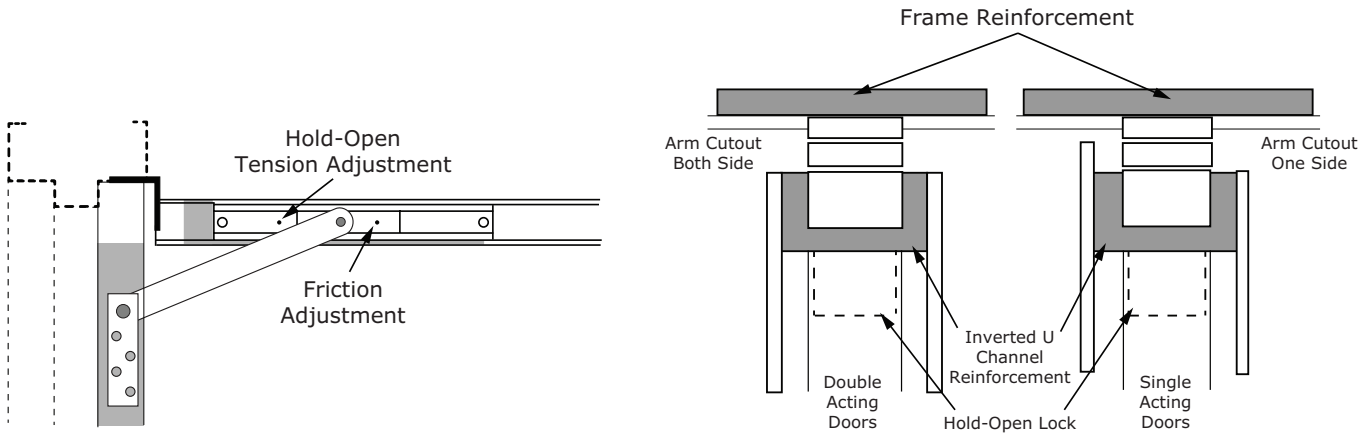


GJ280 Sensaguard Holder/Release

MORTISED INTO FRAME

RABBET MOUNTED SHOE

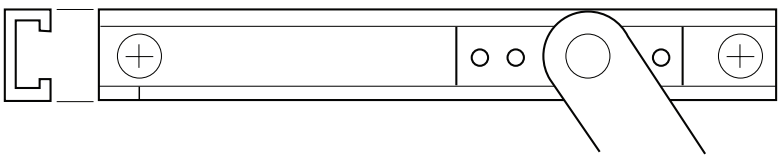
This is the most common application for concealed overhead stop/holders. The slide track is concealed in the top of the door and the shoe is mortised into the rabbet on the jamb. For Timely, this is a custom hardware preparations and requires extra reinforcement where the jamb and header interlock to absorb the considerable force applied to the jamb when the door is fully opened.



GJ100 Concealed Overhead Stop/Holder

RABBET MOUNTING – SLIDE CHANNEL (ADJ)

Some stop/holders are designed with the slide channel in the header of the frame rather than in the door. This is a custom hardware preparation that requires a 12" long reinforcing bar in the head. As with all hardware mounted in the header, it is necessary to verify adequate clearance between the hardware and the wall.



Optional Jamb Bracket "ADJ"

HARDWARE APPLICATION - OTHER HARDWARE

EPT (ELECTRONIC POWER TRANSFER)

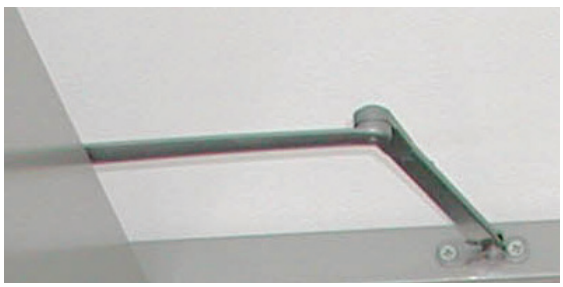
As the needs for security, remote lock/unlock capability and traffic monitoring increase, the demand for door products with electric operation continue to grow. Electronic Power Transfer units are the primary means to transmit electricity (usually low voltage DC) from its source to a lock or strike on a door. The EPT connects to the power supply on the jamb rabbet and mortises into the door edge. During door operation, the wiring chase pivots with the door and there is no interruption of power. As mentioned earlier, this function can sometimes be performed using electric hinges but certain pieces of hardware have power issues that exceed the capacity of electric hinges and the EPT must be used.

MAGNETIC LOCKS

Magnetic locks are normally surface applied to the face of the frame or to the stop. In most cases, frames can be reinforced to apply these devices. Since they are usually larger than our standard stop dimensions, it is possible that spacer blocks or other solutions may be required. Contact Technical Services for specific product application.

COORDINATORS

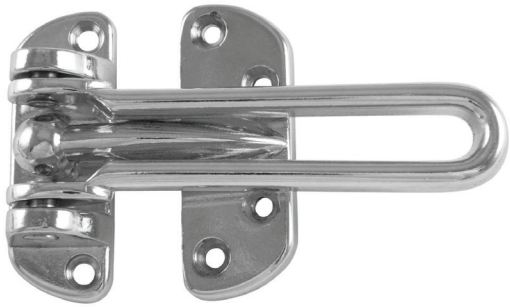
Coordinators are normally surface mounted on the stop of the header. Flat bar or TA-12 reinforcements are used to reinforce the header for mounting screws. Timely stop widths are narrower than hollow metal stop widths so care must be taken to ensure enough surface area on the stop to apply the coordinator.



HARDWARE APPLICATION - OTHER HARDWARE

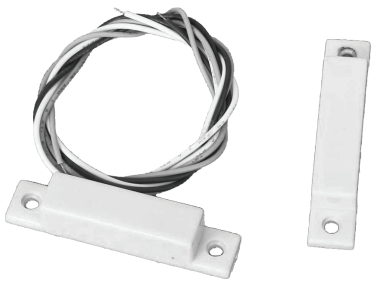
DOOR GUARDS

Use TA-10 (TA-10A for TA-35 casing) behind the casing to reinforce for door guards. Also, TA-30 and TA-35 MUST have an emboss or mortise to create a flat area to mount the hardware.



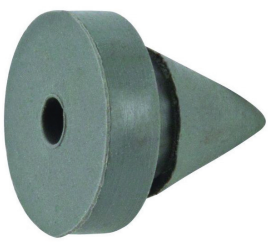
MAGNETIC CONTACTS AND SWITCHES

Two types of contact/switch hardware are normally used. One is a round device that press fits into a hole in the frame. Determine the hole diameter and location and the header will be prepared accordingly. The other type of contact/switch has a flat plate that is mortised into the jamb. For this type, provide a template and the frame will be prepared as a custom hardware prep.



SILENCERS

We can easily drill our frames for rubber silencers if the end user does not wish to use our standard adhesive applied silencers.



SALES REPRESENTATIVE TRAINING EVALUATION

Please rate the value of the Representative Training on a scale of 1 to 5 with 1 being the lowest (no value or poorly presented) and 5 being the highest (High value and excellence of presentation)

CONTENT

_____ 1. I was able to clearly understand the concepts and application information
_____ 2. There was new information in the presentation that will assist me in the future
_____ 3. The flow of the presentation was logical and in order
_____ 4. The visual aids were adequate and easily understood
_____ 5. The level of detail was sufficient for clear understanding

PRESENTATION

_____ 1. The presenter(s) were easily understood
_____ 2. I was able to maintain interest and attention throughout the presentation
_____ 3. The presenter(s) were knowledgeable and able to answer all my questions
_____ 4. The interaction was open and though provoking

IMPROVEMENT

Contents or concepts that I did not understand clearly are:

_____

_____

The presentation would be better if the presenter(s) would:

_____

_____

_____

COMMENTS – PLEASE ADD ANY ADDITIONAL COMMENTS OR REMARKS THAT WILL HELP US MAKE THIS PRESENTATION BETTER

_____

_____

_____

_____

_____

Representative: _____