Product Benefits

These are a few of the many benefits aluminum forms have to offer:

Greater strength and durability through proprietary designed structural components.

Significant quality - For example over 600 inches of high quality robotic welding on a 36” x 96” form.

Increased versatility with a full line of fillers, attachments, corners, specialty forming, ties and accessories.

Aluminum 1/4” thick corner gussets are used to strengthen the corners of the forms as well as to minimize concrete build-up.

Easy accommodation for tall walls, since our forms are easily stackable.

Our forms are cost efficient. With reasonable care, cleaning, and maintenance, 2,500 pours or more are not unusual.

Inset end rails add strength to the form and additional face sheet support without unsightly lines to the vertical form joints.

Precise uses a serrated channel bracing on all forms providing a better gripping and climbing surface.

Perfect for residential, commercial, precast concrete, and many other applications.

Heat treated ring bushings prevent elongation and are fully zinc coated to minimize rusting.

Form Manufacturing

Welding

Precise Forms has chosen the Mig welding system to weld our forms. We do not just begin welding and weld the form in its entirety, but a specific weld pattern is used to dissipate as much heat as possible. With this pattern welding method, the amount of distortion is minimized. We use argon gas for a shield to purify the welding procedure to ensure clean welds.

Robotic Welding

Precise Forms was the pioneer introducing robotic welding to the aluminum form industry and has dedicated a large portion of our facility to this procedure. Robotic welding has enabled Precise to lead the industry in production capabilities and quality of weld. Precise Forms has chosen to go with a more ductile welding wire to help absorb the vibration caused by pouring concrete which helps prevent weld failure.

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Forming Applications

International Housing

We provide international aluminum forming systems with low material and labor costs for single or multi-level structures that will produce higher construction profits.

Residential Concrete Housing

Our aluminum forming systems combined with Precise Forms Inc’s patented EASI-WALL system will produce concrete housing that is low maintenance, energy efficient, and resistant to natural disasters.

Residential Basements and Foundations

Strong, durable aluminum forming equipment combined with proper maintenance allows Precise Forms users to consistently exceed 2,500 pours while retaining a high resale value.

Commercial

Hand Set, Gang Form, Eliminator, Dominator equipment built to meet the rigors and labor savings needed for today’s commercial construction needs.

Precast

Fastest hand set system available to the precast industry, with numerous custom designed parts that make the system highly flexible, economical, labor efficient and profitable. Precise Forms has been an active member of NPCA since 1993.

Fence Forms

The Precise Forms Fence Forming System is the ultimate solution to creating cast in place concrete fences. A full footing is not required for some applications with the Precise Fence Forms. Simply pour footings where the columns are located and tie the rebar into place.

Pools and Spas

Our aluminum forming systems provide an endless variety of concrete and vinyl liner swimming pools. A wide variety of steps, benches, and swim outs are available in both straight and curved designs.

Window Manufacturing

Precise Forms is the only aluminum forming manufacturer to have a state of the art facility dedicated to produce energy star rated windows for basement construction. The Precise basement window system can be used with aluminum systems, plywood forms, and adaptable to masonry walls.

8" OC (8" On Center) Precise Edge

SIDE RAIL
Designed to withstand loads placed on it during the pouring procedure. Flat on the inside so a good butt weld can be achieved. Curved on the outside to release concrete easily. Double contact points eliminate offsets produced by single contact siderails.

WELDING
A specific weld pattern is used to dissipate as much heat as possible. With this pattern welding method, the amount of distortion is minimized. We use argon gas for a shield to purify the welding procedure to ensure clean welds.

BUSHING
The steel ring bushing is preferred by most of our customers. The hardness of the bushing is the key, as the pins and wedges are heat treated to the same hardness. This way the contractor will not have one item cutting into the other thus extending the life of the entire system.

CORNER GUSSETS
The 1 3/16" channel brace is used for many hole patterns but was specifically designed for the 8" on center hole pattern. Precise has designed this brace with many considerations of structural integrity. The sides of the brace are directly opposing the loads it is subjected to and the point of moment on the brace is increased in thickness to resist the horizontal loads. The brace is 1 7/8" x 1 1/4" to allow welding over the top of the brace to the siderail. The thickness of the legs of the channel are increased for support and also to allow good weld penetration that will not blow through side walls. The exterior of the legs are serrated to allow a firm grip even in adverse conditions.

ENDRAIL
The hole pattern that is used on the siderail is duplicated in the endrail to allow stacking as well as laying the forms down. The endrail is notched to receive the face sheet since the ends of the forms are usually the most abused part of the form. By notching the endrails you protect the face sheet from abuse and prevents the face sheet from curling.

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6-12 Precise Edge

**CORNER GUSSETS**
Precise Forms incorporates the thickest corner gusset on the market. Our corner gusset is a full 1/4" plate. Corner gussets provide extra support and strength for the corners. In addition they prevent concrete build up and make cleaning the forms easier.

**SIDE RAIL**
Designed to withstand loads placed on it during the pouring procedure. Flat on the inside so a good butt weld can be achieved. Convex on the outside to release concrete easily. Double contact points eliminate offsets produced by single contact siderails.

**WELDING**
A specific weld pattern is used to dissipate as much heat as possible. With this pattern welding method, the amount of distortion is minimized. We use argon gas for a shield to purify the welding procedure to ensure clean welds.

**ENDRAIL**
The hole pattern that is used on the siderail is duplicated in the endrail to allow stacking as well as laying the forms down. The endrail is notched to receive the face sheet since the ends of the forms are usually the most abused part of the form. By notching the endrails you protect the face sheet from abuse and prevents the face sheet from curling.

**BUSHING**
The steel ring bushing is preferred by most of our customers. The hardness of the bushing is the key, as the pins and wedges are heat treated to the same hardness. This way the contractor will not have one item cutting into the other thus extending the life of the entire system.

**STRIKE PLATE**
Strike plates protect the facesheet from hammer blows when placing or removing pins and wedges extending the life of the form.

**WELDING**
A specific weld pattern is used to dissipate as much heat as possible. With this pattern welding method, the amount of distortion is minimized. We use argon gas for a shield to purify the welding procedure to ensure clean welds.

**BRACING**
The 4" channel brace was designed with all the same criteria and a similar design as the 1" channel brace but for the 6-12" hole pattern. It is extruded with 6061 T6 511 alloy aluminum. The sides of the 4" channel are serrated for easier handling of the form. To add strength, an internal stiff back is added to the center of the brace. As with the 1" channel, the bottom of the legs are enlarged and combined with the .125 aluminum sheet, it ensures a solid base for deeper welds.

**SIDE RAIL**
The custom textured brick side rail is specifically designed to support each brick. This helps prevent damage to the form from deformation of the brick pattern.

**BUSHING**
The steel ring bushing is preferred by most of our customers. The hardness of the bushing is the key, as the pins and wedges are heat treated to the same hardness. This way the contractor will not have one item cutting into the other thus extending the life of the entire system.

**STRIKE PLATE**
Strike plates protect the facesheet from hammer blows when placing or removing pins and wedges extending the life of the form.

**WELDING**
A specific weld pattern is used to dissipate as much heat as possible. With this pattern welding method, the amount of distortion is minimized. We use argon gas for a shield to purify the welding procedure to ensure clean welds.

**BRACING**
The 1" tube brace was specifically designed for decorative face sheets. Precise has designed this brace with many considerations of structural integrity. The sides of the brace are directly opposing the loads; it is subjected to and the point of moment on the brace is increased in thickness to resist the horizontal loads. The brace is 1 7/8" x 1" to allow welding over the top of the brace to the siderail. The tube is used on the decorative brick to prevent concrete build up within the brace due to the irregularity of the brick pattern sheet.

**CORNER GUSSETS**
Precise Forms incorporates the thickest corner gusset on the market. Our corner gusset is a full 1/4" plate. Corner gussets provide extra support and strength for the corners. In addition they prevent concrete build up and make cleaning the forms easier.
CORNER GUSSETS
Precise Forms incorporates the thickest corner gusset on the market. Our corner gusset is a full 1/4" plate. Corner gussets provide extra support and strength for the corners. In addition, they prevent concrete build up and make cleaning the forms easier.

BUSHING
The steel ring bushing is preferred by most of our customers. The hardness of the bushing is the key, as the pins and wedges are heat treated to the same hardness. This way the contractor will not have one item cutting into the other thus extending the life of the entire system.

SIDERAII
Designed to withstand loads placed on it during the pouring procedure. Flat on the inside so a good butt weld can be achieved. Convex on the outside to release concrete easily. Double contact points eliminate offsets produced by single contact siderails.

STRIKE PLATE
Strike plates protect the facesheet from hammer blows when placing or removing pins and wedges extending the life of the form.

BRACING
The 1" tube brace was specifically designed for decorative face sheets. Precise has designed this brace with many considerations of structural integrity. The sides of the brace are directly opposing the loads; it is subjected to and the point of moment on the brace is increased in thickness to resist the horizontal loads. The brace is 1 7/8" x 1" to allow welding over the top of the brace to the siderail. The tube is used on the decorative brick to prevent concrete build up within the brace due to the irregularity of the brick pattern sheet.

BUSHING
The steel ring bushing is preferred by most of our customers. The hardness of the bushing is the key, as the pins and wedges are heat treated to the same hardness. This way the contractor will not have one item cutting into the other thus extending the life of the entire system.

CORNER GUSSETS
Precise Forms incorporates the thickest corner gusset on the market. Our corner gusset is a full 1/4" plate. Corner gussets provide extra support and strength for the corners. In addition, they prevent concrete build up and make cleaning the forms easier.

STRIKE PLATE
Strike plates protect the facesheet from hammer blows when placing or removing pins and wedges extending the life of the form.

SIDERAII
Designed to withstand loads placed on it during the pouring procedure. Flat on the inside so a good butt weld can be achieved. Convex on the outside to release concrete easily. Double contact points eliminate offsets produced by single contact siderails.

CORNER GUSSETS
Precise Forms incorporates the thickest corner gusset on the market. Our corner gusset is a full 1/4" plate. Corner gussets provide extra support and strength for the corners. In addition, they prevent concrete build up and make cleaning the forms easier.
Big Brace 6-12

The Big Brace 6-12 is especially useful for projects where the concrete will be the finished interior surface on homes, offices or commercial buildings saving time and money by eliminating framing, mudding and sheet rock.

SIDE RAIL
Designed to withstand loads placed on it during the pouring procedure. Flat on the inside so a good butt weld can be achieved. Convex on the outside to release concrete easily. Double contact points eliminate offsets produced by single contact sidetails.

WELDING
A specific weld pattern is used to dissipate as much heat as possible. With this pattern welding method, the amount of distortion is minimized. We use argon gas for a shield to purify the welding procedure to ensure clean welds.

ENDRAIL
The hole pattern that is used on the sidetail is duplicated in the endrail to allow stacking as well as laying the forms down. The endrail is notched to receive the face sheet since the ends of the forms are usually the most abused part of the form. By notching the endrails you protect the face sheet from abuse and prevents the face sheet from curling.

CORNER GUSSETS
Precise Forms incorporates the thickest corner gusset on the market. Our corner gusset is a full 1/4" plate. Corner gussets provide extra support and strength for the corners. In addition they prevent concrete build up and make cleaning the forms easier.

BRACING
The 5.5" custom channel brace was designed with all the same criteria used on all our support components. It is extruded with 6061 T6.511 alloy aluminum. The sides of the 5.5" channel are serrated for easier handling of the form. To add strength, we have doubled the vertical support legs that create dramatically flatter walls. This is especially useful for projects where the concrete will be the finished interior surface on homes, offices or commercial buildings.

BUSHING
The steel ring bushing is preferred by most of our customers. The hardness of the bushing is the key, as the pins and wedges are heat treated to the same hardness. This way the contractor will not have one item cutting into the other thus extending the life of the entire system.

Fence Forming System

A continuous footing is not required in some applications with the Precise Fence Forms. Simply pour pier pads where the columns are located and free span between columns.

The Precise Forms Fence Forming System is the ultimate solution to creating cast in place concrete fences.

Advantages and Capabilities:
*Greatly reduced labor cost.
*A crew of four can strip, set and pour 120 lineal feet in five hours.
*The Precise Fence Form allows you to place and strip large individual sections of fence forms at one time.
*In most instances the only footing required is at each column.
*Decorative column caps can be cast and placed on site.
*Once the fence has cured simply paint or apply the desired texture.

Fence Forms one piece sections can be placed in a fraction of the time compared to conventional hand set systems.

Creating The Fence Cap

The optional fence cap is poured separate from the fence. This allows customization for each project with minimal cost. Once the cap has set it is lifted, rotated, and placed on the fence. The final appearance is that of a fence created in a single pour.
Dominator System

The Dominator Forming System can be ganged or handset, like many other forming systems. The advantage is that the Dominator can be ganged without any additional hardware, therefore it is the best of both worlds in a single form. The Dominator Forming System provides an alternative to typical flat tie forming systems. The Dominator Forming System utilizes a taper tie system. With this form being 25% thicker than a standard flat tie form the form deflection and pillow casing is reduced, providing a smoother, flatter finished wall surface. The Dominator is 2 1/2" thick rather than a standard aluminum form at 2 1/8" thick, adding to the overall strength of the form.

The life of this form will out perform its nearest competitor. The Dominator receives very few hits with a hammer because the form locking device is separate from the form itself. The locking device is located at the back of the side rail. The load point of the tie system has been moved as far from the load as possible; 2 1/2" on the dominator as compared to a standard flat tie form of 13/16". This creates less deflection, metal stress, and flatter walls. The Dominator's design creates tighter joints preventing concrete from leaking between the forms which keeps the forms cleaner and reduces labor time.

When comparing the Dominator system to 24" wide plywood systems, you will find the performance of the Dominator to be superior on many levels. The accessory requirements are a minimum of 33% less than most plywood systems and the down time for refacing is a thing of the past. The aluminum form provides value when the form is to be sold or traded. With a simple maintenance program the Dominator will provide many years of quality service with a reduced cost per pour.

Eliminator System

The Eliminator Forming System works in conjunction with the Dominator Forming System allowing the contractor to cast next to an existing building with only 2 3/4" of clearance. This allows the contractor to build more structures in a limited space or used as an alternative to cast one sided formed walls.

The Eliminator Forming System incorporates a specially designed connection section, or "W", that forces the forms together and locks them into place without requiring access to the exterior of the wall. All of the work is done from the inside of the wall in both setting and stripping. This allows the forms to be used in low clearance situations as well as minimum space between buildings. It may also be placed on the end of a ganged form situation allowing the ganged section to be released from the interior of the building. This could possibly eliminate the need of exterior scaffolding or the need to remove exterior scaffolding from the ganged form section, allowing the entire gang section and scaffolding to be raised in a single section.

A- Set the Eliminator Forms and W form roughly into place.
B- Screw the Taper Tie into the Eliminator W.
C- Move the Eliminator Forms into place and set the interior Dominator Forms.
D- Set the Dominator Forms and tighten the wing nut. This will draw the Eliminator W into position and lock the Eliminator Forms into place.
Gang Form System

The Precise Gang Forming System with the use of our gang form adapter allows you to turn standard aluminum concrete forms into gang forms. Gang forms allow you to set and strip large sections of walls in a fraction of the time.

Form Repair

Keeping your aluminum forms in proper working condition not only helps you provide a quality finished product but keeps your employees safe at the same time.

Precise offers a full service repair shop that can remove excess concrete build up, repair broken welds, replace bushings, straighten panels, and much more.

If your form is beyond repair we can contact you with the best option whether it be cutting it down to a filler, scrap, or replacement.

Identification Plates and Stickers

Precise offers a variety of ways to mark your forms for easy identification. Identification plates with your company information can be welded onto each form. Stickers similar to the Precise Forms stickers are available with your company logo and information. Artwork must be provided in a 300 dpi jpg or pdf format.

Pour Ready

Preseason your equipment at the factory with the Pour Ready Process

Precise Forms Pour Ready process is designed to minimize concrete chemical reaction in the initial pouring process of new aluminum forming equipment. The process is completed in our factory and treats the entire form, front, back, and sides.

Have your equipment Pour Ready for the jobsite!

"I am writing to let you know we appreciate the work you did on our new forms. The Precise "Pour Ready Process" for our new aluminum forms ended up being a better solution than I had expected.

At first I was doubtful because it just did not seem that something like that type of formula would really work. Well I was impressed at the results, despite the cost.

We had over 200 various sized forms pretreated with your formula and we are pleased to say it worked! Now we only formed with one side of the wall with the new forms and the other side of the wall with our old forms but again they appear to be working extremely well.

Thank you for handling the situation and helping us get our forms in working order so that we could stay as efficient and effective on our jobs without having to deal with untreated new forms. Lancaster Poured Walls is happy to recommend your "Pour Ready Process" as it was done for us, because it worked! Feel free to let others know we’re pleased."

Respectfully,
John J. Speicher Jr., President, Lancaster Poured Walls, Inc.
Basements

The Precise Aluminum Forming System is extremely versatile. A standard set of forms can do a wide variety of layouts including curved or tall walls. Custom forms can be manufactured for most special forming situations.

Early sets of Precise Forms have easily surpassed 2,000 pours… some as many as 3,000 pours! These sets are still going strong and have a surprisingly high resale value.

Today, our forms are built even stronger due to advancements in form design, welding technology, and stronger aluminum components. With the demands placed on today’s forming systems, the Precise Aluminum Forming System provides durability and form life that is unsurpassed.

Agricultural Structures

From animal confinement systems to water storage systems, no matter the size or shape Precise can produce a product that fits your needs.

Commercial and Tall Wall Construction

Precise aluminum forms are not limited to concrete basement construction. With the proper form staggering and wall tie placement Precise forms are able to be used in a stacked form situation to easily create tall concrete walls.

The ability to pour tall concrete walls increases the contractors job options dramatically. When commercial concrete buildings are in high demand they can prove to be a very lucrative business opportunity if residential construction is unavailable.
Housing - Single and Multi-family

Our systems provide a nearly unmatched level of flexibility and range of options with shorter cycle times and lower total cost than traditional methods.

REDUCE CONSTRUCTION TIME:
With time having a costly effect on typical construction, a cast in place shell utilizing the Precise Forms aluminum forming system can save several days over typical wood or concrete masonry type construction. Under normal situations, one day is required to set and pour the exterior, interior walls and roof, and a half-day for form removal and job site clean up.

REDUCED LABOR:
Due to fewer materials placed on the job site, clutter will be reduced lowering site clean up time. An experienced wall crew can reduce construction time by several days over masonry and typical construction methods with the Precise Forms all aluminum forming system.

Ledger System

Ledger Forms can be created in a variety of ways. It can be incorporated into the form itself for quick construction of multiple homes of the same design or it can be attached as a cap allowing standard forms to be used expanding a set's versatility.

A pitched roof is easy to create. The Pitched Ledger System allows you to use standard forms and supports to create a sloped or pitched roof or can be built into the form itself similar to the Ledger Form.

Deck Clip

The Deck Clip is used to quickly connect forms in a deck situation. Place the pin into the hole and lock into place with a single hammer blow. Removal is just as simple.

Cap Forms - Angled

Angled Cap Forms attach to the interior forms of the top story of a multi-story building. These allow flat deck forms that were used to pour floors of lower levels to create a pitched roof creating proper drainage. They save the builder from having to buy special deck forms for a pitched deck.
**Deck Assembly**

Standard forms may be used when pouring a deck. This requires that the shoring posts and forms be removed and then additional supports be added to support the deck until it cures.

The Precise Deck Form is specially designed to allow the shoring post and a section of support form to remain in place during the curing process, saving labor time and never having an unsupported deck.

The post, beam, and deck is designed to offer a wide variety of building alternatives.

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**Deck Setting**

- Set the interior, exterior forms and shutoff plates.
- Set the Telescoping Beams and Shoring Posts
- Set the Deck Forms.
- Install the Shoring Posts for the Deck Forms.

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**Deck Stripping**

- Remove the Shoring Posts that are holding up the Telescoping Beams.
- Remove the Telescoping Beams
- Start removing the Deck Forms.
- Unbolt the Support Form and remove the remainder of the Sectioned Deck Form.
- Remove the remainder of the Deck Forms leaving only the Support Form and the Shoring Posts.
- Remove the interior forms and shutoffs. As the deck cures the Shoring Posts and Support Forms can be removed.

With the deck supported the contractor can start setting forms on the next level of the building. This process allows multistory buildings to be constructed quickly without sacrificing quality or safety.
**Shoring Post**
Shoring Posts are used to support areas such as decks or steps. They are often used in conjunction with Telescoping Beams when spanning a large area.

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**Telescoping Beam**
Telescoping Beams are used on decking systems in conjunction with shoring posts to provide support for the deck.

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**Waler Channel Tube**
The Waler Channel Tube is used to ensure that the entire structure remains perfectly square during setting and pouring. It helps reduce the amount of training required for workers as well as eliminates the labor of constantly double checking that the forms have not moved during setting or pouring.

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**Window Shutoff**
Window Shutoffs are designed to provide a perfectly square window opening. They are easy to set and strip. The bottom shutoff has an access hatch that can be opened to allow the vibrator to consolidate the concrete under the opening and then can be pinned shut once vibration is complete.

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**Interior Angle Slip Form**
The Interior Angle Slip Form is designed to be easily stripped by allowing the form to slide down and out away from the wall. This provides additional clearance at the top of the wall preventing the form from binding or damaging the concrete deck when it is tilted out during stripping.

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**Step Forms for Housing**
Multiple styles of steps can be created with the Precise Step Forming System. Stairs may be traditional, freestanding, supported by the wall or customized to fit the contractors need.

The form design allows the tread form to be removed after the pour, while the concrete is still green, and the tread can be trowled or textured without having to remove all of the stair forms.
**Parapet Forms**
Parapet Forms attach to the forms of the top story of a multi-story building. They create a parapet wall around the edge of the structure for safety and decoration.

**Parapet Stiffback Support**
Parapet Stiffback Supports attach to the forms of the top story of a multi-story building. They help support the parapet wall forms and ensure a plumb wall.

**Parapet Brace**
The Parapet Brace attaches to the top of parapet forms to maintain the proper thickness of the parapet wall while providing additional support providing perfectly square walls.

**Door Shutoffs**
Door Shutoffs are also designed to provide a perfectly square openings. They are easy to set and strip with horizontal bracing to prevent any deflection in the opening.

**Precast Pallet and Header**
Reduce your labor for pallet and header installations while increasing the accuracy. With the Precise Forms pallet and header, a clear 7/16” annular space is designed to conform to most engineering criteria. Precise Forms pallet and header’s are manufactured with increased wall thickness on the extrusions to extend life and durability for fast and accurate joint construction.

**Precast Riser Form**
The Precise Precast Riser Form is designed to work in conjunction with the Precise Precast Pallet and Header System. It will greatly reduce the cost of labor and lumber while constructing Pallet Stools for various riser heights.

Pre-drilled holes in the Precise Forms Riser Form allows the 4X4 wooden support to be nailed or screwed into place providing unlimited vertical adjustment of the riser casting. This will allow you to create any riser casting height! The Precise Forms aluminum Riser Form virtually eliminates the degradation of lumber that occurs when wooden stools get wet or exposed to concrete therefore reducing your long-term cost!

**Precast Forms**
Precast Riser Form

Once the Pallet Forms are placed onto the Riser Forms, assembly continues as usual. Core Forms are set, all imbeds and reinforcing are placed, Jacket Forms are set inserting the required wall ties, and the Header Forms are pinned into place on top of the Jacket Forms.

**Sealant which expands into the gap**
The Pallet and Header System requires a sealant to make the joints water tight. A gap is created in the casting to provide space for the sealant which expands into the gap as the castings are pressed together.
Monolithic Casting (5 Sided Casting)

**Deck Adapter System**

Precise Forms developed another labor saving method for the progressive Precaster. Make monolithic pours of a five sided box with the Precise Forms Deck Adapter system. This system allows the pouring of the walls and deck in a single pour. The deck system can be lifted into position and removed as a single unit. Once the deck plate is assembled, there is no need to break it down which allows multiple pours and saves labor expense to assemble the deck multiple times.

**Water Infiltration Solution**

Reduce the problem of water infiltration by creating the casting in a single pour. Monolithic pours are the most efficient way to produce castings if you can flip the casting over to strip the inside. With the addition of the Precise Forms Deck Adapter it is completed, in most cases, with the same forms used for wall construction set in the horizontal configuration.

**Fast & Efficient**

The fastest and most efficient method of a monolithic five sided pour allows for accuracy and cost reduction when casting, therefore creating increased production and profits.

**Deck Lifting Ring**

Precise Forms has designed the lifting system to work in both the setting and stripping procedure. The lifting rings are attached to a counter sunk bolt on the concrete side. Once the deck is in position and the rings are removed, the bolt seats in a position that allows for a smooth flat concrete deck. When the casting is flipped into the stripping position, the bolts project on the underside to allow for the connection of the lifting rings and one piece removal of the deck plate.

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**Dominator Precast**

The Precise Forms Dominator System gets its name from the fact that it dominates any project with speed while producing a quality product. This system can be quickly hand set or gang formed for rapid setting and stripping without the need to add additional hardware.

The life of this form will out perform its nearest competitor. The Dominator receives very few hits with a hammer because the form locking device is separate from the form itself. The locking device is located at the back of the side rail. The load point of the tie system has been moved as far from the load as possible; 2 1/2" on the dominator as compared to a standard flat tie form of 13/16". This creates less vertical deflection, metal fatigue, and flatter walls. The Dominator’s design creates tighter joints preventing concrete from leaking between the forms which keeps the forms cleaner and reduces labor time.

When comparing the Dominator system to 24" wide plywood systems, you will find the performance of the Dominator to be superior on many levels. The accessory requirements are a minimum of 33% less than most plywood systems and the down time for refacing is a thing of the past. The aluminum form provides value when the form is to be sold or traded. With a simple maintenance program the Dominator will provide many years of quality service with a reduced cost per pour.

**Dominator Form Puller**

Dominator Form Pullers are designed specifically for the Dominator Forming System. It makes stripping forms easier and faster. It is especially helpful in tight situations such as corners and boxes. The long handle gives extra reach and leverage for taller form situations.

**Dominator Waler Bracket**

The Dominator Waler Bracket is designed to be used with lumber, aluminum channel or steel channel. The bolt on the end tightens to ensure a tight fit and a straight wall.
**Haunch Corner (Chamfer Corner)**

Cast Box Culverts with ease utilizing the Precise Forms Haunch Inside corners. Haunch corners are a standard for Precise Forms and can be manufactured to any specific size and design. Precise Forms can also produce Haunch corners for monolithic and various other castings as required.

Haunch Corner formed with Outside Angle.

Haunch Corner formed with Outside Corner.

**Haunch Corners can be used in multiple precast applications.**

Haunch Corner used with Monolithic Casting.

Haunch Corner used with Pallet and Header.

**Custom Castings**

Precise Forms can create custom forms to meet almost any precasting or concrete construction need. Special angles, block outs, extremely large castings, or curved shapes are all possible.

**Headwalls**

A headwall is a small retaining wall placed at the inlet or outlet of a storm water pipe or culvert. Precise Forms allow you to create headwalls to meet any of your required sizes or shapes.

**Form Pullers**

Form Pullers are used to make stripping forms easier and faster. The short handle version is especially helpful in tight situations such as corners and boxes. The long handle gives extra reach and leverage for taller form situations. The combo version works on either side of the form.
Fire Pit Forms

Fire Pits make an excellent addition to any outdoor area. They provide a safe, decorative way to extend your outdoor leisure time late into the evening while keeping the chill away. The exterior can be finished off in an array of styles to blend in perfectly with your landscaping.

Depth Gauge

The Depth Gauge is used when screeding down the concrete is required. String lines can be wiped or washed off but this gauge can be set to the proper depth and moved to the required areas as needed during trowling. It is very effective in the pool industry where curved walls make snapping a string line very difficult.

Leveling Jack for Forms

The Form Leveling Jack is used most frequently in the swimming pool industry. It is attached to the base of the form and allows adjustment of the form to ensure a level pour.

Swimming Pools

In building swimming pools, clean pours are crucial! For the cleanest looking pours with the least amount of effort, you need Precise Aluminum Forms! Precise Forms is proud to be able to offer you the flexibility and creativity that can be accomplished through the use of our aluminum forming system.

We are proud to be able to offer you the aluminum forming system designed to build an endless variety of concrete and vinyl liner swimming pools. This forming system offers a multitude of possibilities to include free formed pools!
Spas

Precise can make custom spa forms to meet the contractors need. In many cases the spa can be assembled in the shop and shipped to the site for the pour. Spas are not limited to a simple circle pattern. Precise can create any number of patterns which can include steps, seats and other designs requested by the contractor. They can be stand alone or incorporated into the swimming pool design.

Step Forms for Pools and Spas

A wide variety of steps, benches, and swim outs are available in both straight and curved designs.

Full VS. Standard (Nominal) Corners, Accessories, And Ties

The option is available to pour either a standard (nominal) wall thickness or a full dimension wall thickness. Each of these wall sizes demand a particular inside and outside corner, as well as wall ties. If you attempt to use a standard corner with a full tie or vice-versa, the corner you set will kink and be difficult to straighten. You can pour full walls with nominal corners by putting a spacer on the outside corner so the wall ties remain straight.

In measuring your inside corner, place the end of a tape measure on the outside face sheet and measure in to the 90° turn of the face sheet. The dimension will be either 4 3/16" for a standard corner or 4" for a full inside corner. This same application will hold true for other forms and accessories which are affected by wall thickness such as outside corners, attachments, blockbacks, bulkheads, window bucks, and blockdowns.

Inside Corners - Setting Instructions

When setting an inside corner it is important to always place the pin in properly. The tip of the pin should go from the inside corner into the form with the wedge on the form side. This allows for easier stripping with a single hammer blow to the pin. Improperly set corners may require a pin pusher to work the pin out of the tight space.

Inside Corner Smooth

Precise inside corners are extruded for greater strength and are available in a wide variety of sizes and patterns as well as a rounded or square corner.

Outside Corner Smooth

Smooth Outside Corners provide a clean concrete corner with easy stripping.

Full VS. Standard (Nominal) Corners, Accessories, And Ties

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<table>
<thead>
<tr>
<th>Inside Corner Brick</th>
<th>Haunch (Chamfer) Corner</th>
<th>Outside Corner 2&quot;x2&quot; Angle</th>
<th>Radius Forms</th>
<th>Outside Corner Attachment</th>
<th>Fixed 45° and 135° Corners</th>
<th>Heavy Duty Laydown Form</th>
<th>Cap Forms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precise inside corners are extruded and wrapped with the brick pattern for greater strength and are available in a wide variety of sizes and patterns.</td>
<td>Haunch corners are a standard for Precise Forms and can be manufactured to any specific size and design. Precise Forms can also produce Haunch corners for monolithic castings.</td>
<td>Outside Corner Angles are used with two fillers to make up almost any outside corner requirements.</td>
<td>To create a radius or curved concrete wall, you are not necessarily required to have curved forms. In many cases you can create a radius wall using standard aluminum forms and fillers. Radius walls can be incorporated into any structure to create unique design features. Architects are no longer bound by the traditional old school thought of box concrete buildings. For those situations where a smooth curve is desired or required, Precise Forms is able to manufacture curved concrete forms from a 6&quot; radius or larger.</td>
<td>Outside Corner Attachments are used with two fillers to make up almost any outside corner requirements. Attachments are available in 2&quot; and 4&quot; nominal or full sizes.</td>
<td>Please specify wall thickness for correct alignment of inside and outside corners.</td>
<td>The 36&quot; x 48&quot; Laydown Form adds a dimension that most contractors are looking for. Reduce your labor and accessory cost with this form as Base Ties are not required. Pour walls 3' or 4' high with the same speed of form setting.</td>
<td>Cap forms come in a variety of heights and widths. They are a universal hole pattern allowing them to be used with both the 6-12 hole pattern and the 8&quot;OC hole pattern but can be created with a 1&quot; or 2&quot; on center hole pattern as well. They provide extra height to any wall with minimal effort and expense.</td>
</tr>
</tbody>
</table>
**Column Forms - Adjustable**
The Adjustable Concrete Column Form can create a wide array of sizes and shapes of columns including rectangle columns. Minimum size is 12"x12" square with maximum of 24"x24" square or any increment of 2" in between.

**Column Forms Round**
Circular concrete columns can be created using our radius aluminum column forms with a minimum of a 6" radius.

**Column Base and Cap Forms**
Custom aluminum header and base forms can be created to fit the design styles of any project.

**Molding - Crown and Base**
Molding forms can be used for crown molding, base molding, or window customizations. Custom patterns are available to turn an ordinary building into an extraordinary one.

**Pilasters**
A pilaster is a projecting rectangle or half round column built into the face of the wall. Pilasters add additional strength to the wall while providing extra support for structural beams or trusses.

Pilasters can be combined with ornamental features or arches to provide additional strength as well as creative architectural designs.

**Buttress**
Buttress walls provide extra support for a wall by transferring horizontal pressure into vertical pressure onto the footing below. Buttress walls can be buried under the earth or designed to be a decorative architectural design feature of the building.

Buttress walls allow the contractor to build higher and thinner walls that support the same pressure while using less concrete.
**Beams and Arches**

A concrete beam is a load-bearing unit that can be used to carry both horizontal and vertical loads. In the past concrete beams were often hidden by some type of dropped ceiling. Today concrete beams are widely used in contemporary building construction as decorative features.

Concrete arches have been used for centuries to create large open spaces in construction. With Precise Aluminum Concrete Arch Forms the process has become much simpler.

Precise Forms can manufacture custom aluminum arch forms that incorporate decorative architectural features to improve the look of any structure.

A concrete beam is a load-bearing unit that can be used to carry both horizontal and vertical loads. In the past concrete beams were often hidden by some type of dropped ceiling. Today concrete beams are widely used in contemporary building construction as decorative features.

Jump Fillers can be made 1" or 2" on center and help the contractor transition various elevations easily. Jump Fillers can also be used as an adapter between the 8' OC hole pattern and the 6-12 hole pattern.

Plywood Adapters can be used when running pipes or electrical through a wall. Holes can be cut into the plywood providing a pass through and preventing damage to the aluminum form. They also allow the easy creation of odd sized fillers.

The Saddle Bracket attaches to the top rail with pins and wedges to provide a seat for forms when upper wall thickness is reduced, typically to create a brickledge. Wood is nailed to the lower section. Available in 4" and 6" thickness.

**Brickledge Bar - Continuous**

The continuous Brickledge Bar works the same as the Saddle Bracket but provides additional support. It attaches to the top rail with pins and wedges to provide a seat for forms when upper wall thickness is reduced. Wood is nailed to the lower section. Available in 4" thickness.

**Plywood Adapter**

Plywood Adapters can be used when running pipes or electrical through a wall. Holes can be cut into the plywood providing a pass through and preventing damage to the aluminum form. They also allow the easy creation of odd sized fillers.

**Jump Fillers**

Jump Fillers can be made 1" or 2" on center and help the contractor transition various elevations easily. Jump Fillers can also be used as an adapter between the 8' OC hole pattern and the 6-12 hole pattern.

**Wire Tie Twister**

The Tie Twister allows quick tying of Precise Wire Ties.

**Wire Tie**

Allows for rapid positioning and securing of Re-Bar. Looped on both ends to receive the Wire Tie Twister for speedy tying. Available in the following sizes 5", 6", and 8".
**Form Release Agent Application**

When forms are unloaded it is best to lay them around the job site where they need to be set. While placing the forms, one individual should be responsible for applying form release agent to all of the forms before they are set. The release agent creates a positive barrier between the panel and the concrete which promotes a controlled reaction with the free lime in the concrete. This action provides a quick and clean release preventing concrete buildup on the braces. Your crew will be able to work faster saving labor, time, and money by keeping the forms consistently clean.

**60 Gallon Spray Tank Assembly**

The 60 gal. capacity model comes complete with gauges, hose, and spray wand. It is designed for pickups and form trucks. Other sizes are also available.

**60 Gallon Spray Tank Valve Assembly**

**60 Gallon Spray Tank Wand Assembly**

**60 Gallon Spray Tank Hose Assembly**
**Beam Block - Steel**
The heavy duty Steel Beam Block is tapered for easy removal. Beam Blocks are C-clamped into place.

<table>
<thead>
<tr>
<th>Description</th>
<th>A Dimension</th>
<th>B Dimension</th>
<th>C Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
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<td>4 1/2&quot;</td>
<td>Depth + 1/4&quot;</td>
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<tr>
<td>Wide Flange</td>
<td>6&quot;</td>
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<td>Depth + 1/4&quot;</td>
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<tr>
<td>East Coast</td>
<td>8 1/2&quot;</td>
<td>8&quot;</td>
<td>Depth + 1/2&quot;</td>
</tr>
</tbody>
</table>

**Block Down**
Block Downs are quickly C-clamped into place for the forming of bulkheads such as garage doors, door openings, sunken rooms, etc. Available in standard or adjustable sizes.

**Block Down Bracket for Lumber**
The Lumber Block Down Bracket works the same way as the standard block down except you can use lumber to get the exact depth necessary for custom projects.

**Shutoff Plates**
All aluminum reinforced shutoff plates are used to bulkhead the end of a wall. Available for single or multiple wall thickness.

**Shutoff Blockback Combo**
The Combo Shutoff is a combination of two accessories in one. One side works as a blockback and the other as a shutoff plate.

**Turnbuckle - Metal**
Straighten a wall and secure it in place prior to pouring with the Metal Turnbuckle. It connects to a 2x4 or stake in the ground and the other end pins to the form. It can be easily adjusted with the claw of a hammer.

**Turnbuckle - Wood**
Straighten a wall and secure it in place prior to pouring with the Steel Turnbuckle. Connect one to each end of a 2x4. It then connects to a metal or 2x4 stake in the ground and the other end pins to the form. Twist the threaded ends to adjust.

**Wall Aligner**
The Wall Aligner moves small sections of the wall in or out. Available with or without spoon.

**Wall Puller**
The Wall Puller is designed to pull long lengths of wall. The chain is adjustable for different footing widths. Available with or without spoon.

**Concrete Porta Chute**
The Porta Chute reduces splatter when placing concrete and minimizes the spilling of concrete in areas not to be poured. It is especially helpful during the pouring of footings. It connects easily to the end of the chute on the concrete truck.

**Rod Supports**
Rod Supports hold the re-bar in place in the footing during the pour. Available in single and double supports.
Depth Gauge
The Depth Gauge is used when screeding down the concrete is required. String lines can be wiped or washed off but this gauge can be set to the proper depth and moved to the required areas as needed during trowling. It is very effective in the pool industry where curved walls make snapping a string line very difficult.

Pouring Board Flat and Flanged
The Precise Forms Pouring Board assists in the flow direction of the concrete into the forms. This allows for the concrete that is being delivered by the concrete mixer to be directed into the forms and thereby reducing potential concrete spillage. The flanged model allows for even more flow control.

Form Scraper
The cast aluminum form scraper provides an easy method of concrete removal on those spots where concrete has stuck to the forming system. Available in 1 1/2", 3" and 6" widths. Also uses a replaceable carbide scraping blade.

Hurricane Strap
The galvanized steel Hurricane Strap is an alternative to the “J” Bolt style anchoring system. The product conforms with most code criteria. Check local building codes. The nail hole pattern allows for many plate sizes. Available in several sizes and types. Packaged 10 to a box.

Anchor Strap
The galvanized steel Anchor Strap is an alternative to the “J” Bolt style anchoring system. The product conforms with most code criteria. Check local building codes. The nail hole pattern allows for many plate sizes. Available in several sizes and types. Packaged 50 to a box.

Form Pullers
Form Pullers are used to make stripping forms easier and faster. The short handle version is especially helpful in tight situations such as corners and boxes. The long handle gives extra reach and leverage for taller form situations. The combo version works on either side of the forms rail.

Pin Pusher
The use of attached hardware sometimes leads to the locking pin penetrating into an inside corner rather than projecting out of the Inside Corner. This tool allows for easy removal of those pins with leverage pushing the pin out rather than attempting striking it with a hammer. The nose of the pin pusher is cupped to assist in remaining in position on the tip of the pin.

Foundation Bolt
Utilized in the securing of plates and other items to a cast in place concrete wall.

<table>
<thead>
<tr>
<th>Length</th>
<th>Type</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>8&quot;</td>
<td>Galvanized</td>
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<tr>
<td>10&quot;</td>
<td>Standard</td>
</tr>
<tr>
<td>12&quot;</td>
<td>Standard</td>
</tr>
<tr>
<td>12&quot;</td>
<td>Galvanized</td>
</tr>
<tr>
<td>16&quot;</td>
<td>Standard</td>
</tr>
<tr>
<td>20&quot;</td>
<td>Standard</td>
</tr>
</tbody>
</table>
Angle Clip

The Angle Clip is designed for making an outside corner in conjunction with fillers. Precise Forms can produce outside corner Angle Clips to most any desired angle.

Cap Bracket

Cap Brackets are used in conjunction with lumber to extend the wall height. The cap bracket has a 90 degree angle used as a seat for the lumber and a pin attached that is locked down through the pin hole in the end rail of the form. This provides for the ability to pull out some of the potential bowing that can be inherent in lumber.

Cap Clip

This provides for the same opportunity of extending the wall height with the use of lumber on the top of the form, this is typically a 1 time use item. However with care several reuses may be possible.

Control Joints

To prevent the destructive and unappealing random cracking of expansive concrete, Precise Forms offers three unique sets of control joints. During the curing process, these relief joints provide control of the stress created as concrete contracts due to drying. Please specify hole pattern when ordering.

Custom Truck Beds

Precise Forms can create truck mounted aluminum form racks to carry all of your forms, fillers, and accessories. A wide variety of designs are available or custom concrete form racks can be created to fit your needs.

Bucko Vent

The Precise forms Bucko Vent eliminates the need for a pouring buck as the frame of the vent is the same thickness as the wall. One size adjusts to fit 8" to 10" walls.
Form and Filler Baskets

Form baskets allow you to use a boom to place forms where they are needed and remove them when the job is complete. This not only saves time and money but prevents the crew from becoming over exhausted allowing them more energy to set or strip forms.

A wide variety of form baskets are available. Choose one of our standard designs or create custom baskets to fit your needs. Baskets can be created to carry full size forms, fillers, and even accessories keeping the job site cleaner and more productive.

Beam Block - Plastic

Precise plastic products are light weight yet extremely durable. The Plastic Beamblock is easy to handle and will not fill with concrete like other beamblocks. The tapered design allows easy stripping.

Precise Forms plastic Beam Blocks come in the following sizes.

<table>
<thead>
<tr>
<th>Description</th>
<th>Width at form face</th>
<th>Width at back of pocket</th>
<th>Depth from top of wall down</th>
<th>Depth from face of wall to back of pocket</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot; Wide Flange East Coast Beam Block Plastic</td>
<td>8 1/4&quot;</td>
<td>7 3/4&quot;</td>
<td>8 3/8&quot;</td>
<td>4 1/2&quot;</td>
</tr>
<tr>
<td>10&quot; Wide Flange East Coast Beam Block Plastic</td>
<td>8 1/4&quot;</td>
<td>7 3/4&quot;</td>
<td>10 3/8&quot;</td>
<td>4 1/2&quot;</td>
</tr>
<tr>
<td>12&quot; Wide Flange East Coast Beam Block Plastic</td>
<td>8 1/4&quot;</td>
<td>7 3/4&quot;</td>
<td>12 3/8&quot;</td>
<td>4 1/2&quot;</td>
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<tr>
<td>8&quot; Wide Flange Beam Block Plastic</td>
<td>6&quot;</td>
<td>5 1/2&quot;</td>
<td>8 3/8&quot;</td>
<td>4 1/2&quot;</td>
</tr>
<tr>
<td>10&quot; Wide Flange Beam Block Plastic</td>
<td>6&quot;</td>
<td>5 1/2&quot;</td>
<td>10 3/8&quot;</td>
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</tr>
<tr>
<td>12&quot; Wide Flange Beam Block Plastic</td>
<td>6&quot;</td>
<td>5 1/2&quot;</td>
<td>12 3/8&quot;</td>
<td>4 1/2&quot;</td>
</tr>
</tbody>
</table>

Proper Pin and Wedge Usage

1. Place the pin into the form with wedge slit vertical.
2. Slide the tie onto the pins.
3. Set the second form into place.
4. Place the wedge into the pin slot and tighten with a hammer.

Panel Clip

The Panel Clip is another option to loose hardware. This is an alternative to using a 2 piece loose hardware process without the cost of permanent attached hardware. It creates a positive lock with a one piece hardware product.

Pin Keeper

The Pin Keeper offers speed and security when using loose hardware. It provides the benefits of attached hardware at a greatly reduced cost. The loose hardware is captured when locked in position and increases ease of form stripping.

Hooked Wedge

The "Hooked Wedge" was designed for a specific purpose to reduce the potential of injury on the rare occasion that a wedge would fly out as it is stripped. Standard wedges should be removed by placing a hand over the wedge in order to catch it when pressure is released during the stripping of forms. This tension build up can potentially cause a wedge to fly out.

The "Hooked Wedge" will deflect the wedge reducing the potential to fly out and strike the employee.
Standard Pin
The wedge slot in a Precise Tapered Pin is milled, not swedged, for uniform quality. It is made of heat treated steel for greater strength.

Standard Wedge
Standard Wedges are used with Pins to lock forms together securely. The tapered design allows easy and secure locking.

Curved Wedge
Curved Wedges offer the ability to be used in stack form operations with less worry of vibrating out when the wedge is used in a horizontal position.

Pax Pin
The Pax Pin is a little longer than the standard pin and allows up to a 1/2" spacer to be used.

Aluminum Base Tie Pin
The Aluminum Base Tie Pin is used for laydown applications.

Coil Bolt
The Coil Bolt is designed with large threads for extra speed and strength. They are available in lengths of 2" and 4". Special lengths are available upon request.

Base Tie Pin
The flat head of the Base Tie Pin permits use of regular ties when laying forms on their sides or setting against existing walls. Head thickness is 1/4".

2" Combo Filler Pin with Head
The 2" Filler Pin is used in conjunction with the 2" filler form. Nail holes have been added to allow the pin to be used with 1" and 1 1/2" fillers as well.

2" Filler
1 1/2" Filler
1" Filler

Drift Pin
The Drift Pin is used to align two panels when the holes do not line up perfectly. Ideal for closing up the wall or steps in the footing.

Aligner Clip
The Aligner Clip replaces the pin and wedge in a stack form situation. It eliminates concern of wedges falling out.

Double Slotted Pin
Double Slotted Pins are available for fillers from 1" to 8" wide.

Drift Punch
The Drift Punch is used to help align forms in tight situations allowing the pin to easily be placed.
**Set & Lok**

The Precise Forms Set & Lok offers the best of a fast and positive locking system. The Set & Lok can be used with our Retractable Long Pin or the Captive Pin.

It offers a dramatic decrease in form setting time due to the fact that in most cases a 8' or 9' tall form only needs to have two per form and the remaining wall tie locations can be handled with the retractable long pin or the captive pin and not require a wedge except for the first three joints off of each corner. This greatly reduces the amount of loose hardware required. The form setter need only go to two spots to lock the form down.

As the name also defines, the other capability of the Set & Lok is to actually pull the two forms together thereby setting the form in position. Ideal for rapid form setting and stripping. The Set & Lok does not require special tools or lubrications for operation. A light spray of form release during setting will help keep it clean and operational. Available on 12” wide forms and larger.

**Captive Pin**

An extremely fast and efficient attached hardware for progressive contractors. Productivity will increase while reducing the amount of lost hardware. The Captive Pin is manufactured with high quality components to extend the life of the hardware. The Precise Forms Captive Pin is compatible with existing competitive equipment.

**Retractable Short Pin**

The Retractable Short Pin, in conjunction with the Set & Lok system, is the fastest setting system available for aluminum forms! It greatly reduces the need for loose hardware which lowers your accessory cost, setting time, stripping time and labor cost.

Both the Retractable Short Pin and the Set & Lok systems are manufactured with high quality stainless steel components to prevent rusting and extend the life of the systems. Seasonal lubricants are not required.

**Retractable Long Pin**

The Retractable Long Pin, in conjunction with the Set & Lok system, offers the same reduction in labor cost as the Retractable Short Pin. It greatly reduces the need for loose hardware which lowers your accessory cost, setting time, stripping time and labor cost.

The Retractable Long Pin can be placed in the retracted position when a standard pin is desired such as on inside corners. It can be used with Precise smooth aluminum as well as our decorative brick forms.

Both the Retractable Long Pin and the Set & Lok systems are manufactured with high quality stainless steel components to prevent rusting and extend the life of the systems. Seasonal lubricants are not required.
**Waler Bracket**

Waler Brackets are available for standard size lumber or aluminum channel. These steel brackets are pinned directly to the forms to straighten the wall and minimize bracing. They are designed for Smooth Aluminum or V-Tek Brick Forms.

**Waler Clip**

The Waler Clip is designed for quick setting and stripping. No additional loose hardware is required. Please specify if they are for Smooth Aluminum, Textured Brick, Smooth Brick, or V-Tek Brick Forms when ordering.

**Waler Bracket - Combo SA/TB**

Combo Waler Brackets are available for standard size lumber or aluminum channel. These steel brackets are pinned directly to the forms to straighten the wall and minimize bracing. They work if you are using Smooth Aluminum or Textured Brick Forms. Please specify if you want the Smooth Aluminum hole on the top or the bottom.

**Waler Bracket - Brick Patterns**

Waler Brackets for Brick are available for standard size lumber or aluminum channel. These steel brackets are pinned directly to the forms to straighten the wall and minimize bracing. Please specify if they are for Textured Brick or Smooth Brick.

**Adjustable Waler Bracket**

The Adjustable Waler Bracket makes setting and removing waler lumber quick and easy. To set, have the waler in the open position and set the lumber into place. Close and tighten the Adjustable Waler Bracket with the tap of a hammer.

Instead of hitting the lumber to remove it, the Adjustable Waler Bracket flips out of the way and prevents damage to the lumber which prolongs the life of the lumber allowing it to be used on multiple jobs. The Aluminum Waler Board can be used in place of lumber. It is lightweight, long lasting, and will create a straighter wall.

Please specify if you are using Smooth Aluminum, Textured Brick, Smooth Brick, or V-Tek Brick Forms when ordering. Available in 2”x3” or 2”x4” sizes.

**Adjustable Waler Bracket for Dominator**

The Adjustable Waler Bracket for the Dominator Forming System is designed to be used with lumber, aluminum channel or steel channel. The bolt on the end tightens to ensure a tight fit and a straight wall.

**Waler Bracket - Set & Lok**

The Set & Lok waler is designed to be used with the Set & Lok attached hardware system.
**Waler Bracket - Combo Vertical/Horizontal Waler**

Combo Vertical Walers combines the standard waler with vertical walers and are used mainly in a stack form situation. Please specify if you are using Smooth Aluminum, Textured Brick, Smooth Brick, or V-Tek Brick Forms when ordering.

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**Vertical Waler**

Vertical Walers are used mainly in a stack form situation. Please specify if you are using Smooth Aluminum, Textured Brick, Smooth Brick, or V-Tek Brick Forms when ordering.

**Stiffback**

Providing the ability to stiffen vertically stacked forms and assisting in maintaining a plumb wall. Hole pattern specific.

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**Waler Bracket - Captive Pin**

Waler brackets are available for standard size lumber or aluminum channel. The steel brackets are used with the captive pin to straighten the wall and minimize bracing.

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**Vertical Metal Rail**

The Vertical Rail provides support for toe guard, mid rails and guard rails in Safety Scaffolding.

**Wood Rail Bracket**

The Wood Rail Bracket is used to connect the lumber vertical rail to the mid rails and guard rails in combination with Safety Scaffolding.

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**Safety Scaffolding for Rails**

Safety Scaffolding allows double 2x10 planking, toe boards, mid rail, and guard rail. Scaffolding pockets fit metal or wood vertical rail. Available with or without pin.

Please specify if you are using Smooth Aluminum, Textured Brick, Smooth Brick, or V-Tek Brick Forms when ordering.
**Safety Scaffolding - Dominator**
The Dominator Scaffolding System is supported by bolts passing through the concrete wall in holes that were created by taper ties. This creates a support that is more secure and stable than scaffolding that attaches to flat ties or the forming system.

---

**Scaffold Bracket**
The Scaffold Bracket pins securely to the form. The bracket has a supporting leg that straddles the side rails for added stability. It is available in a variety of sizes, with or without a pin, and with or without the waler.

Please specify if you are using Smooth Aluminum, Textured Brick, Smooth Brick, or V-Tek Brick Forms when ordering.

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**Flat Wall Tie**
Flat Wall Ties hold the forms at the desired distance from each other. When ordering make sure to specify standard (nominal) or full tie dimension.

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**Breakback Wall Tie**
The Breakback Tie is designed to break off recessed into the wall which allows the wall to be sealed to prevent rust staining. Special ties for deeper break-off can be made upon request.

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**Pull Tie - Reuseable**
Pull Ties can be removed from the finished wall and reused for many pours. They are perfect for areas where shipping charges are extremely high.

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**Pull Tie with Attached Sleeve**
Pull Ties can be removed from the finished wall and reused for multiple pours. They are perfect for areas where shipping charges are extremely high. The sleeve is tapered and remains attached to the tie when the tie is pulled. Available in full 4” and 10 cm only.

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**Combo Wall Tie**
The multiple hole configuration of the Combo Tie is perfect for when changing wall thickness. They can be customized to any length and come with three or four holes, depending on the contractors design needs.

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**Z Tie**
The Precise Z Tie easily allows a one foot offset to be created in a wall without reducing the strength of the tie.
**Disclaimer:** This drawing represents the tie placement calculated by using the formula by the American Concrete Institute.

**Tension** = \(150 \times 3 \times \frac{1}{2} \times (HT \text{ top pin} - HT \text{ btm pin})\)

**No. Ties** = \(\text{Integer}(\text{Tension} / \text{Max Load}) + 1\)

8’ and under wall: maximum load per tie is 4667 lbs. (required OSHA safety factor of 1.5)
Over 8’ high wall: maximum load per tie is 3500 lbs. (required OSHA safety factor of 2.0)
If the load is higher than the OSHA set maximum per tie you must use two ties.

■ Designates locations where two ties are required by OSHA regulations.

### Wall Tie Placement Charts 6-12

<table>
<thead>
<tr>
<th>Height</th>
<th>Tie Placement Chart</th>
</tr>
</thead>
<tbody>
<tr>
<td>16'</td>
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<tr>
<td>14'</td>
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<td>12'</td>
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<td>8' + 2'</td>
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<td>8'</td>
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</tr>
<tr>
<td>6'</td>
<td><img src="image" alt="6' Chart" /></td>
</tr>
</tbody>
</table>

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If the load is higher than the OSHA set maximum per tie you must use two ties.

■ Designates locations where two ties are required by OSHA regulations.
Wall Tie Placement Charts 8" OC (8" On Center)

**Disclaimer:**
This drawing represents the tie placement calculated by using the formula by the American Concrete Institute.

Tension = \(150 \times 3 \times 1/2 \times (HT\ \text{top pin} - HT\ \text{btm pin})\)

No. Ties = \(\text{Integer(Tension/Max Load)} + 1\)

- **8' and under wall:** maximum load per tie is 4667 lbs. (required OSHA safety factor of 1.5)
- **Over 8' high wall:** maximum load per tie is 3500 lbs. (required OSHA safety factor of 2.0)
- If the load is higher than the OSHA set maximum per tie you must use two ties.

- Designates locations where two ties are required by OSHA regulations.
**Tie Pullers**

Tie pullers are designed to work with all pull ties. They help remove the tie with little effort while protecting the wall.

Several styles are available to choose from. For additional information on which style would work best for your situation please contact your sales manager.

**Taper Tie**

Various Taper Tie's are designed to be used with the Gang Form, Dominator, Eliminator and Fence Form Systems. The taper of the tie allows for easy tie removal and the hole can be sealed using our taper tie hole plug mold. Make sure to use the proper taper tie with the system it was developed for.

**Taper Tie Plug Mold**

The holes that remain from the Taper Ties are sealed using tapered plugs. The plugs can be molded with excess concrete on site creating minimal color variation in the wall or they can be created in advance to save time. The tapered plug is coated with a water proof adhesive and placed in the holes of the wall to create a water tight seal.

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**Simply Egress Solutions™**

Simply Egress Solutions™ has a Complete System for Your Egress Window Needs

Bringing Sunlight, Safety and Security to Basements Nationwide!

Made in the U.S.A.

Simply Egress Solutions™
The SES Cast in Place (CIP) Basement Window system allows the entire frame and basement window to be poured in place. It does not require a reusable aluminum window buck and eliminates the need to return for a window install. OSB board and poly styrene protect the basement window frame and glass during the construction process, and provides a full face nailer to secure either wood or aluminum forms. Our CIP window area wall anchors simply snap on the outside edge of the vinyl window frame and are poured with the window. As the forms are stripped the aluminum anchor remains in the wall allowing the area well to be bolted into place with standard bolts which are included. These anchors allow easy placement of the area wall without drilling or nailing into the concrete, saving both time and money!

The SES Cavity Vinyl Basement Window system has the easiest after pour installation on the market. It can be used with wood or aluminum forms. It does not require a poured in place frame of any kind. This eliminates the possibility of the window frame being damaged during the flatwork pour and all of the cost that go along with it. It also prevents the possibility of the frame being put in backwards or upside down. Our SES Cavity Basement windows are specially designed to work with our window bucks which have a 7/8” offset in the wall opening. The offset, combined with the window flange, creates a positive seal against water infiltration. Both the single and double glazed window will fit into the same opening. This enables the home builder to determine the style of window right up to the time of closing the home. The area wall anchor attaches to the pouring bucket before it’s placed into the wall. When the bucket is stripped, the aluminum anchor remains in the wall allowing the area wall to be bolted into place with standard bolts (which are included with the anchor). The anchor allows easy placement of the area wall without drilling or nailing in the concrete saving both time and money!

The SES CIP Vinyl Basement Window allows the entire frame and the basement window to be poured in place. OSB board and poly styrene protect the basement window frame and glass during the construction process. It remains in place until the contractor or home owner are ready to remove it by following the simple instructions. Either of these windows, combined with either a Marshall or Rockwell area well, grate and ladder, will allow for more natural light and ventilation and will provide an excellent way to meet your local basement egress window requirements.

With our many SES Systems you can provide the ability to market up to the twice the livable space at a fraction of the cost of conventional construction. Our systems meets and exceeds basement egress requirements, are made in the U.S.A. and are available nationwide.

Intercept Spacer System

The Intercept Spacer System features a unique, one-piece, tin-plated or stainless steel, U-channel design that creates an effective thermal barrier to help reduce conducted heat loss through the window. Its sealed, one-piece design makes Intercept spacers stronger and better at retaining insulating gas than many conventional designs.

Best retention keeps the gas or air in the windows.
All windows transmit at least tiny amounts of moisture vapor through the material around the edge seal. But the longer the path, the better and longer the seal protection. Intercept has the industry’s longest vapor transmission (MVT) path by up to 50%. Combined with our exclusive corner technology, this virtually eliminates seal failure and gas or air loss.

Superior warm-edge performance.

Intercept Spacer minimizes condensation and keeps the edges of window glass warmer than a conventional spacer. Its special metal alloy and continuous one-piece “U” construction is why. This results in windows with higher R-Values that save energy and keep your rooms more comfortable in both cold and warm weather. Introduced over a decade ago by PPG Glass Technologies, Intercept has proven superior in over 600 million glass units in North America.

Straightest and most secure grids for beautiful windows.

Straightest and most secure grids for beautiful windows. With Intercept, you just won’t see grids that have shifted or don’t match up from one window to the next. As part of Intercept’s exclusive manufacturing process, grids are made consistently to match precisely, and they’re uniquely locked in place. Plus, Intercept spacers are specially recessed below the sightline. All you’ll ever see are beautiful windows, for years and years.

Strongest Corner with four layers of protection.

Strongest Corner with four layers of protection. Spacers that utilize foam or have seams are just destined to leak gas out of their corners. Not only is Intercept a continuous one-piece spacer, it features our patented web corner system and exclusive four layers of protection. No one puts more technology into protecting the seal all the way around the glass to bring you assured, long-lasting window energy performance.
**SES Cast In Place**

Size Information for Cast In Place Basement Window

<table>
<thead>
<tr>
<th>Size</th>
<th>Rough Opening Size</th>
<th>Light Surface (W x H)x2</th>
<th>Light Surface (S.F.)</th>
<th>Vent Surface (W x H)</th>
<th>Vent Surface (S.F.)</th>
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<tbody>
<tr>
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<td>2.92</td>
<td>12 3/16&quot; x 18 7/8&quot;</td>
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</table>

Available for nominal or full wall thickness of 8", 9", 10", and 12".

**SES Egress Cast In Place**

Size Information for Cast In Place Basement Window

<table>
<thead>
<tr>
<th>Size</th>
<th>Rough Opening Size</th>
<th>Light Surface (W x H)x2</th>
<th>Light Surface (S.F.)</th>
<th>Vent Surface (W x H)</th>
<th>Vent Surface (S.F.)</th>
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<td>9.58</td>
</tr>
</tbody>
</table>

Available for nominal or full wall thickness of 8", 9", 10", and 12".

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**Vinyl Basement Window Testing and Performance**

The Simply Egress Solutions Cast In Place Vinyl Basement Window has been tested in compliance with NFRC 100, 200, 300, 400 and 500 criteria. Clear glass/Air/Clear glass (clear CIP window) performs to a .45 U factor as tested by NFRC with Solar Heat Gain Coefficient of .59, Visible Transmittance of .62, Condensation Resistance of 42. CS36 Low-E Glass/Argon/Clear (Low-E Argon filled CIP window) is available and performs to a U-factor of .28 as tested by the NFRC with Solar Heat Gain Coefficient of .36, Visible Transmittance of .54, Condensation Resistance of 56.

**Sliding Sash**

The sliding sash is constructed of rigid PVC hollow extrusion with a wall thickness ranging from .075" on the pull handle to .050" on the interior walls. The sash is welded on all four corners to ensure a rigid and accurate sash that matches perfectly with the frame construction. Anti-corrosive, dual brass roller assemblies allow finger tip control for opening and closing the sash and provides years of trouble free performance. Integral interlocking webbing on the sash and meeting rail ensure a positive interlock in the center of the window further enhancing security and thermal performance.

**Main Frame**

The main frame is constructed of rigid PVC hollow extrusion with a wall thickness ranging from .060" on the exterior walls to .045" on the interior walls. It provides an excellent thermal barrier against all types of climate conditions. Our high tech, four head welding line provides an all welded construction. This allows accurate product sizing, quality, and it guarantees a leak proof corner. Our unique heavy-duty dual wall exterior flange provides an aesthetically appealing appearance. Frame sizes are available in 32"x16", 32"x20", 32"x24", 48"x48", 60"x48", and 60"x60" for nominal or full wall thickness of 8", 9", 10", and 12".

**Sill Riser**

Constructed of rigid PVC extrusion with a wall thickness of .060", the vinyl basement slider sill riser provides the basis for our aesthetically pleasing, equal light, glass panel design between the fixed and the sliding sash. The design utilizes a solid, snap fit leg construction to avoid shipping damage or loss. This design also allows for unobstructed drainage clearance under the sash panel.

**Fixed Meeting Rail**

The fixed meeting rail is constructed of rigid PVC hollow extrusion with a wall thickness ranging from .060" on the exterior walls and .050" on the interior walls. It is then reinforced with a Mullion stifferner which provides a very rigid center post that does not twist or deflect with larger size window openings. The rail is attached to the main frame with four 2-1/2" long anti-corrosive stainless steel screws. It also contains an integral channel with a built in catch slot which receives the lock sweep mechanism enhancing security and thermal protection.

**Glazing**

An insulated glass package designed with a 3/4" overall thickness, utilizing the INTERCEPT spacer system, provides the ultimate in “Warm Edge” spacer technology. The glass assembly is built in our own high-tech window manufacturing facility on the INTERCEPT Roll Forming System from GED. We are pleased to provide our customers with the highest quality glazing on the market today. The main frame and sliding sash are glazed with a continuous bead of high quality silicone adhesive, which is applied by robots for accuracy and consistency.

**Weather Stripping**

To provide a thermal barrier against all climate conditions, the hinged sash is equipped with strips of fin seal weather stripping.

**Optional Grid System (Muntin)**

Simply Egress Solutions uses the INTERCEPT spacer system on all of its insulating glass units. This allows an optional grid system that prevents grid shifting or grids that don’t match up from one window to the next. As part of Intercept’s exclusive manufacturing process, grids are made consistently to match precisely, and they’re uniquely locked in place. Plus, Intercept spacers are specially recessed below the sight line. All you’ll ever see are beautiful windows, for years and years.

---

Full OSB board reinforcement, to resist concrete pressure deflection, provides a full-face nailer capability to secure to forms and protects the sash and screen during the pour. Tie slots, located 3" on center, provide easy placement of the window when using a flat tie system. Multilingual labeling designating top and bottom.
**Cast In Place Window Installation into the Forms**

1. Snap CIP Window Well Anchors in the outside edge of the CIP frame (see photo below). Set the interior forms and align the CIP Window with the wall ties.

2. Slide the CIP Window onto the wall ties in the desired location.

3. Set the exterior forms and pour the concrete.

**Cast In Place Window Assembly**

1. Once the forms are stripped, remove interior OSB and foam.

2. Remove exterior OSB.

3. Remove the interior sliding sash by lifting the sash up, rotating the bottom of the sash out, and then pulling the sash down. Remove the foam.

4. Remove the screen and foam, leaving the fixed sash in place.

5. From the interior of the building, slide the fixed sash and the screen retainer to the left as far as possible.

6. Install the area well, the area well ladder, and the safety grate.

7. Install the screen by passing the screen through window opening to the exterior.

8. With screen plungers facing toward the interior, pull the screen into place and lock the screen plungers into Track A.

9. Reinstall the sliding sash by pushing the top of Sash B into top of Track C making sure the window latches are located on the interior, left side and the rollers are located at the bottom.

10. Lift Sash B and rotate bottom of Sash B over Track C.

11. Lower the bottom of Sash B into the bottom of Track C.

Multiple exterior keyways to lock the window into the concrete.

CIP windows can be used with wood or aluminum forming systems.
**SES Cavity Double Glazed Slider**

**Size Information for Double Glazed Vinyl Basement Slider Window**

<table>
<thead>
<tr>
<th>Size</th>
<th>Rough Opening Size</th>
<th>Light Surface (W x H)x2</th>
<th>Vent Surface (S.F.)</th>
<th>Vent Surface (S.F.)</th>
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<tr>
<td>32X15</td>
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<td>2.54</td>
<td>12 3/16&quot; x 14 5/16&quot;</td>
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<tr>
<td>32X23</td>
<td>32 3/8&quot; x 23 7/8&quot;</td>
<td>12 3/8&quot; x 18 3/4&quot;</td>
<td>3.22</td>
<td>12 3/16&quot; x 18 5/16&quot;</td>
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<tr>
<td>36X48</td>
<td>35 7/8&quot; x 47 7/8&quot;</td>
<td>14 1/8&quot; x 42 3/4&quot;</td>
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**SES Cavity Egress Double Glazed Slider**

**Size Information for Double Glazed Vinyl Egress Slider Window**

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<tr>
<th>Size</th>
<th>Rough Opening Size</th>
<th>Light Surface (W x H)x2</th>
<th>Vent Surface (S.F.)</th>
<th>Vent Surface (S.F.)</th>
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<tbody>
<tr>
<td>48x48</td>
<td>47 7/8&quot; x 47 7/8&quot;</td>
<td>20 1/8&quot; x 42 3/4&quot;</td>
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<td>60x36</td>
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<td>72x48</td>
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<td>19.07</td>
<td>31 13/16&quot; x 42 5/16&quot;</td>
</tr>
</tbody>
</table>

**Egress Code**

The SES 48” x 48” double glazed slider window conforms to most Egress criteria. With the sash opened, but not removed, there is a 20” x 42-13/16” opening, providing 5.95 square feet with a clear opening of 20” wide. Please check with your local building codes for required sizes and placement. For the latest International Residential Codes regarding egress please visit our website at SimplyEgressSolutions.com.

**Available in Almond Color**

**SES Cavity Double Glazed Slider Technical Information**

**Testing and Performance**

The Simply Egress Solutions Double Glazed Slider Vinyl Basement Window has been tested at a Grade HS-R25 with an air infiltration rating of ASTM E283 and a water resistance of ASTM E547. The Cavity Vinyl Basement Window has been tested in compliance with NFRC 100, 200, 300, 400 and 500 criteria. The Simply Egress Solutions Double Glazed Cavity Vinyl Basement Slider Window performs to a .49 U-factor as tested by NFRC with Solar Heat Gain Coefficient of .63, Visible Transmittance of .65, Condensation Resistance of 43. C356 Low-E glass and argon fill is available which has a U-factor of .31 as tested by the NFRC with Solar Heat Gain Coefficient of .39, Visible Transmittance of .37, Condensation Resistance of 56.

**Sliding Sash**

The sliding sash is constructed of rigid PVC hollow extrusion with a wall thickness ranging from .075” on the pull handle to .050” on the interior walls. The sash is welded on all four corners to ensure a rigid and accurate sash that matches perfectly with the frame construction. Anti-corrosive, dual brass roller assemblies allow finger tip control for opening and closing the sash and provides years of trouble free performance. Integral interlocking webbing on the sash and meeting rail ensure a positive interlock in the center of the window further enhancing security and thermal performance.

**Main Frame**

The main frame is constructed of rigid PVC hollow extrusion with a wall thickness ranging from .060” on the exterior walls to .045” on the interior walls. It provides an excellent thermal barrier against all types of climate conditions. Our high tech, four head welding line provides an all welded construction. This allows accurate product sizing, quality, and it guarantees a leak proof corner. Our unique heavy-duty dual wall exterior flange provides an aesthetically appealing appearance.

**Sill Riser**

Constructed of rigid PVC extrusion with a wall thickness of .060”, the sill riser provides the basis for our aesthetically pleasing, equal light, glass panel design between the fixed and the sliding sash. The design utilizes a solid, snap fit leg construction to avoid shipping damage or loss. This design also allows for unobstructed drainage clearance under the sash panel.

**Fixed Meeting Rail**

The fixed meeting rail is constructed of rigid PVC hollow extrusion with a wall thickness ranging from .060” on the exterior walls and .050” on the interior walls. It is then reinforced with a mullion stifferner which provides a very rigid center post that does not twist or deflect with larger size window openings. The rail is attached to the main frame with four 2-1/2” long anti-corrosive stainless steel screws. It also contains an integral channel with a built-in catch slot which receives the lock sweep mechanism enhancing security and thermal protection.

**Glazing**

An insulated glass package designed with a 3/4” overall thickness, utilizing the INTERCEPT spacer system, provides the ultimate in “Warm Edge” spacer technology. The glass assembly is built in our own high-tech window manufacturing facility on the INTERCEPT Roll Forming System from GED. We are pleased to provide our customers with the highest quality glazing on the market today. The main frame and sliding sash are glazed with a continuous bead of high quality silicone adhesive, which is applied by robots for accuracy and consistency.

**Weather Stripping**

To provide a thermal barrier against all climate conditions, the movable sash and the meeting rail are equipped with strips of fin seal weather stripping. The top and bottom sash rails and the interlocking edge of the meeting rail utilize a .200” high pile inserted on each style member. Virtually all potential draft points have been eliminated.

**Optional Grid System (Muntin)**

Simply Egress Solutions uses the Intercept Spacer System on all of its insulating glass units. This allows an optional grid system that prevents grid shifting or grids that don’t match up from one window to the next. As part of Intercept’s exclusive manufacturing process, grids are made consistently to match precisely, and they’re uniquely locked in place. Plus, Intercept spacers are specially recessed below the sight line. All you’ll ever see are beautiful windows for years and years.
**Sliding Sash**
The sliding sash is constructed of rigid PVC hollow extrusion with a wall thickness ranging from .075” on the pull handle to .050” on the interior walls. The sash is screwed by hand on all four corners to ensure a rigid and accurate sash that matches perfectly with the frame construction and allows finger tip control for opening and closing the sash which provides years of trouble-free performance. Integral interlocking webbing on the sash and meeting rail ensure a positive interlock in the center of the window further enhancing security and thermal performance.

**Main Frame**
The main frame is constructed of rigid PVC hollow extrusion with a wall thickness ranging from .080” on the sash contact wall, .060” on the exterior walls, and .050” on the interior walls. It provides an excellent thermal barrier against all types of climate conditions. Our high tech, four head welding line provides an all welded construction. This allows the product sizing accuracy, quality and it guarantees a leak proof corner. Our unique heavy-duty dual wall exterior flange provides an aesthetically appealing exterior installed appearance.

**Sill Riser**
Constructed of rigid PVC extrusion with a wall thickness of .060”, the sill riser provides the basis for our aesthetically pleasing, equal light, glass panel design between the fixed and the sliding sash. The design utilizes a solid, snap fit leg construction to avoid shipping damage or loss. This design also allows for unobstructed drainage clearance under the sash panel.

**Fixed Meeting Rail**
The fixed meeting rail is constructed of rigid PVC hollow extrusion with a wall thickness ranging from .060” on the exterior walls and .050” on the interior walls. The rail is attached to the main frame with four 2-1/2” long anti-corrosive stainless steel screws. It also contains an integral channel with a built in catch slot which receives the lock sweep mechanism enhancing security and thermal protection.

**Glazing**
We are pleased to provide our customers with the highest quality glazing on the market today. The main frame is glazed with a continuous bead of high quality silicone adhesive, which is applied by robots for accuracy and consistency.

**Weather Stripping**
To provide a thermal barrier against all climate conditions, the movable sash and the meeting rail are equipped with strips of fin seal weather stripping. The top and bottom sash rails and the interlocking edge of the meeting rail utilize a .200” high pile inverted on each style member. Virtually all potential draft points have been eliminated.

### SES Cavity Single Glazed Slider

<table>
<thead>
<tr>
<th>Size</th>
<th>Rough Opening Size</th>
<th>Light Surface (W x H)x2</th>
<th>Light Surface (S.F.)</th>
<th>Vent Surface (W x H)</th>
<th>Vent Surface (S.F.)</th>
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<tbody>
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### SES Cavity Double Glazed Hopper

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<th>Size</th>
<th>Rough Opening Size</th>
<th>Light Surface (W x H)</th>
<th>Light Surface (S.F.)</th>
<th>Vent Surface (W x H)</th>
<th>Vent Surface (S.F.)</th>
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<tr>
<td>32x23</td>
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<td>3.20</td>
<td>27 1/8” x 18 5/8”</td>
<td>3.51</td>
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</tbody>
</table>

### Testing and Performance
The Simply Egress Solutions Hopper Window has been tested at a Grade H5-R2S with an air infiltration rating of ASTM E283 and a water resistance of ASTM E547. The Basement Window has been tested in compliance with NFRC 100, 200, 300, 400 and 500 criteria. The Simply Egress Solutions Double Glazed Majestic Hopper Window performs to a .46 U-factor as tested by NFRC with Solar Heat Gain Coefficient of .35, Visible Transmittance of .77, Condensation Resistance of 44. CS36 Low-E glass and argon fill is available which has a U-factor of .31 as tested by the NFRC with Solar Heat Gain Coefficient of .34, Visible Transmittance of .49, Condensation Resistance of 60.

**Hinged Sash**
The hinged sash is constructed of rigid PVC hollow extrusion with a wall thickness ranging from .062” on the exterior walls to .050” on the interior walls. The sash is welded on all four corners to ensure a rigid and accurate sash that matches perfectly with the frame construction. The grip latch assembly allows easy control for opening and closing the sash and provides years of trouble-free performance and further enhances security and thermal performance.

**Main Frame**
The main frame is constructed of rigid PVC hollow extrusion with a wall thickness ranging from .080” on the exterior walls, and .050” on the interior walls. It provides an excellent thermal barrier against all types of climate conditions. Our high tech, four head welding line provides an all welded construction. This allows accurate product sizing, quality, and it guarantees a leak proof corner. Our unique heavy-duty dual wall exterior flange provides an aesthetically appealing exterior installed appearance.

**Glazing**
An insulated glass package designed with a 3/4” overall thickness, utilizing the INTERCEPT spacer system, provides the ultimate in “Warm Edge” spacer technology. The glass assembly is built in our own high-tech window manufacturing facility on the INTERCEPT Roll Forming System from GED. We are pleased to provide our customers with the highest quality glazing on the market today. The main frame and sliding sash are glazed with a continuous bead of high quality silicone adhesive, which is applied by robots for accuracy and consistency.

**Weather Stripping**
To provide a thermal barrier against all climate conditions, the hinged sash is equipped with strips of fin seal weather stripping.
**Cavity Window Buck**
The specially designed pouring buck forms a 7/8” offset in the wall opening. The offset, combined with the window flange, creates a positive seal against water infiltration. Both the single and double glazed window will fit into the same opening. This enables the home builder to determine the style of window right up to the time of closing the home.

**Window Buck Hold Up**
The window buck hold-up hold a standard pouring buck to the top of the wall. This is perfect for the contractor that usually pours windows with concrete headers but occasionally needs to pour a window at the top of the wall.

**Window Buck Nail Plate**
The Window Buck Nail Plate allows owners of wood forms to place the window in any location they desire. It is easily adjustable for exact placement.

**Window Buck Tie Guide**
Tie Guides are used in those circumstances where they are needed to hold the window buck into position for the pour. They can be adjusted for optimal buck placement.

**Window Buck Clamp**
The Window Buck Clamp is a quick and easy way to hold window bucks or frames in place during the pour without drilling through the facesheet.

**Window Buck Hold Down**
Lintel cones hold the pouring buck a specified depth down in the wall to create a concrete header. Check for available depths.

**Window Buck Extension**
The Buck Extension comes in 1” and 2” widths. It attaches to a standard 8” pouring buck allowing you to pour 9” or 10” thick walls without having to invest in additional window pouring bucks.

**Plastic Plug**
Window installation has never been quicker or easier! Four Plastic Plugs are placed into holes in the pouring buck before placing the buck into the wall. After the pour, the body of the plug remains in the concrete for easy installation of either the single or double glazed vinyl basement window. The Plastic Plug eliminates the need to drill the concrete, which is a real time saver!

**Window Well Anchor Clip**
The Area Wall Anchor attaches to the pouring buck before it’s placed into the wall. When the buck is stripped, the aluminum anchor remains in the wall allowing the area wall to be bolted into place with standard bolts (which are included with the anchor). The Anchor allows easy placement of the area wall without drilling or nailing into the concrete, saving both time and money! Special sizes require a minimum quantity. Using the Area Wall Anchor, the area wall can be installed in just a few minutes.

**Window Well Anchor Clip Installation**
1. Install in appropriate notch as needed for the area wall being installed.
2. Verify tape is covering the head of the bolt.
3. Neutral/Unlocked
   - Locked left side
   - Locked right side
   - Rotate clip locking lever up/down as needed to secure clip.
**Cavity Window Buck Installation**

1. Clean dirt and debris from around the window opening.
2. Place a bead of caulk all the way around the concrete lip on the window opening.
3. Adjust the Tie Guide Bracket as needed to place the buck at the desired height.
4. Pin exterior forms in place to secure the buck for pouring.
5. Once the wall has set, remove exterior and interior forms, including wall ties, and loosen wall tie guides as needed.

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1. Cavity Window Buck Installation
2. Cavity Window Installation
3. Definition of Terms
4. Low-E

**Definition of Terms**

**U-factor**
The U-factor is a rating given to a window based on how much heat loss it allows. U-factor generally ranges from 0.2 (very little heat loss) to 1.2 (high heat loss). The U-factor is the inverse of the R-value of a window, which measures a window’s insulating value. Thus, a high R-value is the same as a low U-factor, and means that a window does not allow much heat to escape.

A poorly-made window cannot get a low U-factor. Single-pane windows are about 1.0 and double-pane are about 0.4. If you live in a colder climate, or find that you are always heating your home, buying windows with a low U-factor is a good way to save energy and money. The National Fenestration Rating Council (NFRC) offers reliable U-factor ratings for windows that have certified.

**Solar Heat Gain Coefficient**
The Solar Heat Gain Coefficient (SHGC) is a number assigned to a window that tells you how much heat that window lets pass into your home from the sun. SHGC numbers range from 0 to 1, and the lower the number, the less heat will enter your home. Thus, in hot climates a low SHGC is desirable, while in cold climates a higher SHGC is desirable. The National Fenestration Rating Council (NFRC) offers reliable SHGC ratings for windows that they have certified.

**Visible Transmittance**
Visible Transmittance (VT) is a measure of how much light passes through a window. VTs range from 0 (no light) to 1 (all light). VT is an important quality to consider when purchasing a window because sunlight can fade furniture and carpets or damage precious art. Sunlight can also affect the ambience of a room in your home. A special coating on windows called low-E can provide even better protection against UV rays along with great insulation. The National Fenestration Rating Council (NFRC) offers reliable VT ratings for windows that they have certified.

**Condensation Resistance**
Condensation Resistance (CR) measures how well a window resists the formation of condensation on the inside surface. CR is expressed as a number between 1 and 100. The rating value is based on interior surface temperatures at 30%, 50%, and 70% relative humidity for a given outside air temperature of 0 Fahrenheit under 15 mph wind conditions. The higher the number, the better a product is able to resist condensation. CR is meant to compare products and their potential for condensation formation. CR is an optional rating on the NFRC label.

**Low-E**
A low-E (low-emissivity) coat is a microscopically thin glazing for windows that changes the amount of heat that can pass through them. Low-E coats save money and energy by maintaining a more stable temperature inside buildings, and thus reducing the need for heating or cooling. They can also block UV rays. A high solar gain low-E coat allows more heat to pass through a window, and is useful for colder climates. A low solar gain coat is appropriate for hot climates because it allows less heat to pass through a window.

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80 81
Window Well Marshall
These high quality Area Walls are made from heavy-duty 18 gauge galvanized steel. They feature a 3/4 inch profile with expertly designed double-ribbed corners for added strength, reducing the need for extra bracing. Available in multiple sizes including egress. Available in white or stone finish.

Escape Ladder for Marshall Wells
The Escape Ladder meets the rigors required of an escape ladder plus the beauty of a quality crafted product. Our escape ladder was designed to be the benchmark of the industry. Once installed, the ladder blends in perfectly to enhance the appeal to the end user. It is easily installed on most area walls. Simply drop the ladder into position and attach it to the area wall with tapcons. Available in white or gray and in heights of 48", 60", and 72".

Window Well Cover Shape Products
These durable polyethylene safety covers are very light weight and designed to set on top of the metal well grate. The cover itself doesn't support any weight but it allows natural light through while preventing leaves and debris from falling through the metal well grate.

- 56"x36" Plastic Area Well Cover
- 40"x20" Plastic Area Well Cover
- 48"x37" Plastic Area Well Cover for Cast in Place

Window Well Grate Marshall
The Safety Grate is strong enough to stand on, yet light enough to push off for emergency escape. The safety grate shields windows from debris and protects individuals from the accidental misstep.

- 40"x20" brown
- 56"x36" brown
- 68"x36" brown
- 32"x18" brown for Cast in Place
- 48"x37" brown for Cast in Place

Interior Trim Kit
Our Trim Kit allows you to finish the interior with ease! The Precise Trim Kit allows you to finish off the interior of the window without having to use lumber. The trim snaps into the window creating a finished look with little cost or time. The kit is adjustable to fit different thickness walls.

Available in White or Stone:
- 40"x20"x12" Area Well
- 40"x20"x24" Area Well
- 40"x20"x36" Area Well
- 56"x36"x12" Area Well
- 56"x36"x24" Area Well
- 56"x36"x36" Area Well
- 56"x36"x48" Area Well
- 56"x36"x60" Area Well
- 56"x36"x72" Area Well
- 68"x36"x60" Area Well
- 68"x36"x72" Area Well

Available in White or Stone:
- 32"x18"x12" Area Well for Cast in Place
- 32"x18"x24" Area Well for Cast in Place
- 32"x18"x30" Area Well for Cast in Place
- 32"x18"x36" Area Well for Cast in Place
- 48"x37"x24" Area Well for Cast in Place
- 48"x37"x36" Area Well for Cast in Place
- 48"x37"x48" Area Well for Cast in Place
- 48"x37"x60" Area Well for Cast in Place
- 48"x37"x72" Area Well for Cast in Place

Available in White or Stone:
- 40"x20" Area Well
- 40"x20" Area Well
- 40"x20" Area Well
- 56"x36" Area Well
- 56"x36" Area Well
- 56"x36" Area Well
- 56"x36" Area Well
- 56"x36" Area Well
- 68"x36" Area Well
- 68"x36" Area Well

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Window Well Rockwell

Rockwell window wells help turn your basement into a retreat. Our window wells have a stone texture that truly looks and feels like real stone, adding great curb appeal and an aesthetically pleasing view from the inside out. Our wells allow for more natural light and ventilation into an otherwise dark & drab basement. They leave basement rooms feeling larger and more inviting.

Each of our window well options adheres to IRC 2009 Egress Code standards. This means they meet or exceed dimensional and accessibility requirements to allow occupants out and rescue personnel in during an emergency. These standards apply to renovations of older homes as well as new homes. If you are finishing your basement or converting a storage room into a bedroom, it is required by law to make sure there is a direct exit from each inhabited room. Steps provide easy access out of basement window well.

Installing your window wells will be easier than you might expect. They are made of the same strong, durable, light weight composite material used in the aviation industry. The single piece construction of our wells means no assembly is required. Just excavate the space around your window, lower the stone textured window well into position, bolt it to your foundation, and fill in any extra space with the displaced soil, no pea-gravel required.

Available in 66"x44"x24", 36", 48", 60", 72", 84", and 96" in both tan and gray.

Window Well Cover Rockwell

These covers are designed to keep out what you don't want and let through what you do. Made of strong polycarbonate, they can withstand 500 pounds of weight - perfect for preventing family members and pets from accidentally falling in. They are also excellent for keeping out fallen leaves, snow, and UV rays as well as obscuring the view into your basement. These window well covers still allow natural light in and are easily opened from the inside for quick escape in the event of an emergency.

They are constructed of a 10 mm fluted polycarbonate material with UV light protection. Available for 66"x44" Rockwell Window Well.

Window Well Grate Rockwell

These grates offer many of the same benefits as the polycarbonate covers while allowing ventilation and unobstructed natural light. They are just as strong and effective at preventing fall-ins without limiting airflow. The earth tone powder coating on these window well grates will fit in nicely with your landscaping, and, of course, they are easy to open from the inside during emergencies.

These safety grates are durable and will prevent members of your family from accidentally falling into the window well. They allow ventilation and will not obstruct the natural light from entering your basement. They are also easy to open for egress routes. The window well grates are powder coated with an earth tone color that will fit in with your home's natural landscape. They are suitable for use with our Elite and Premier window wells. They can withstand 500 lbs. Available for 66"x44" Rockwell Window Well.

Simply Egress Solutions Window Manufacturing Facility

Simply Egress Solutions is a state-of-the-art vinyl basement window production facility specializing in both Cast in Place Windows as well as Cavity Windows. Experienced craftsmen, automated equipment, and quality materials allow us to achieve extremely high efficiency, which saves you money and provides the highest quality Vinyl Basement Window possible.
Perfect Fit with Primary Windows

Our Simply Egress Solution Window System blends in perfectly with primary windows creating a seamless exterior design.