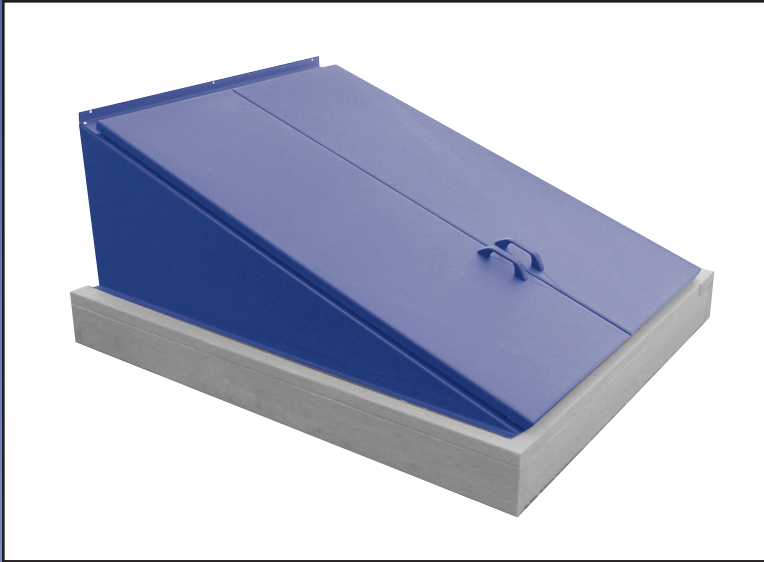


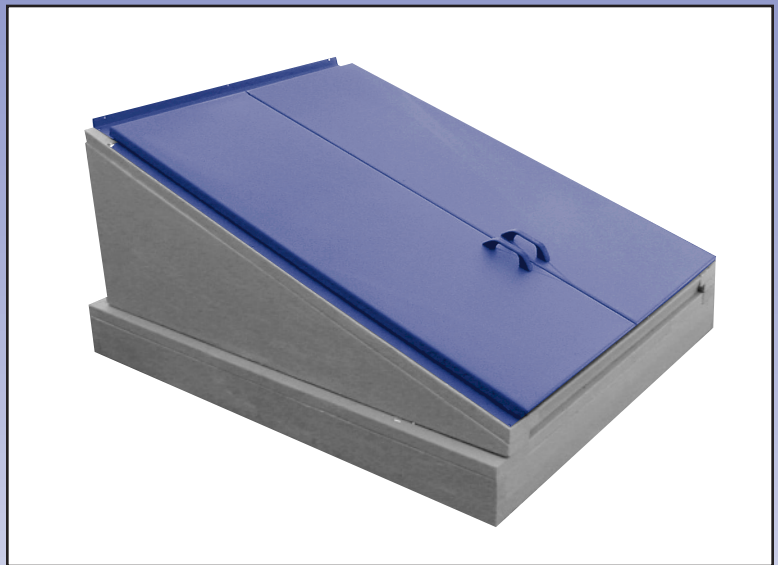
GORDON

STEEL BASEMENT DOORS PRODUCTS/INSTALLATION

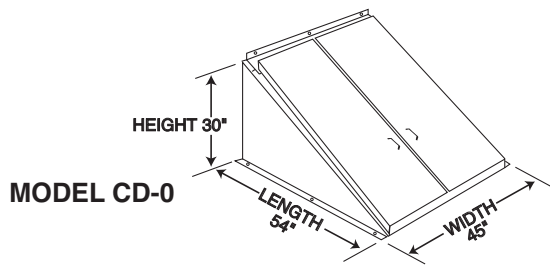


*CELLAR DOOR
FOR NEW
CONSTRUCTION
AND
EXISTING
FLAT
FOUNDATIONS*

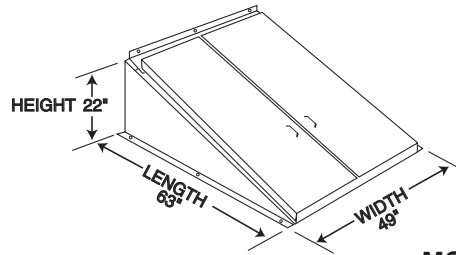
*REPLACEMENT
DOOR
FOR
SLOPING
FOUNDATIONS*



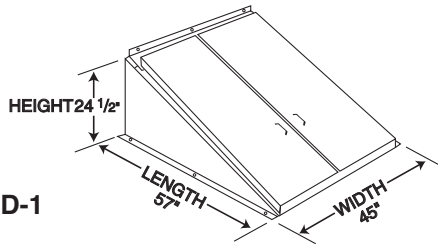
CD-MODEL— FOR EXISTING FLAT FOUNDATIONS AND NEW CONSTRUCTION



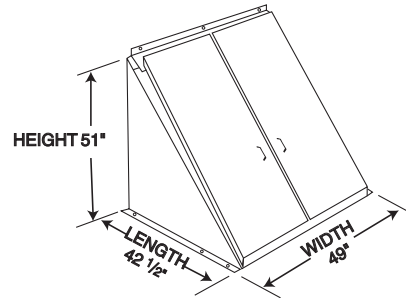
MODEL CD-0



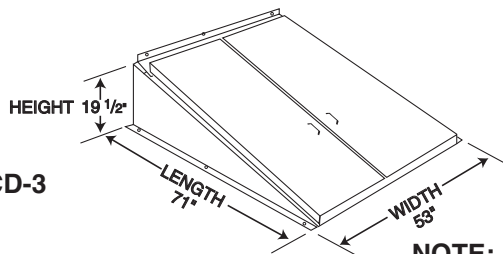
MODEL CD-2



MODEL CD-1



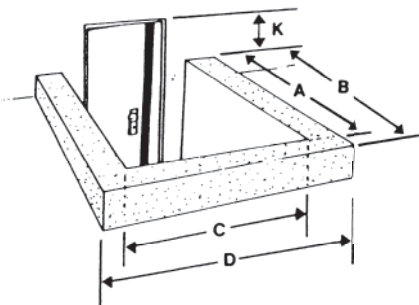
MODEL CD-SL



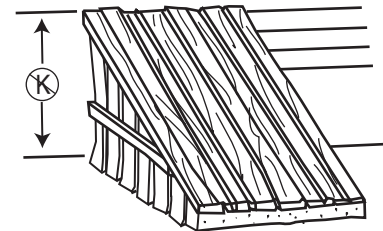
MODEL CD-3

NOTE: Dimensions shown are outside frame dimensions.

HOW TO SELECT DOOR WITH SIDES



1. Measure dimensions A, B, C, D and K.
2. Select length at least 2" longer than "A" and no longer than "B".
3. Select width at least 4" wider than "C" and no wider than "D".
4. Check to make sure the height of the model selected is greater than "K".
The "K" dimension is the distance from the top of the foundation to the top of basement door opening, not the height of your old door.



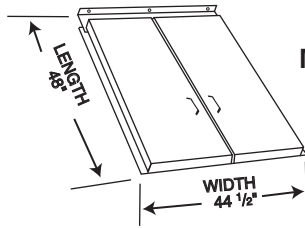
When using a CD door for remodeling, K dimension is **not** the height of your wooden door.

	OUTSIDE FRAME DIMENSIONS					CD-3 WITH CX EXTENSIONS				
MODEL	CD-SL	CD-0	CD-1	CD-2	CD-3	CX-6"	CX-12"	CX-18"	CX-24"	CX-30
LENGTH	42 1/2"	54"	57"	63"	71"	77"	83"	89"	95"	101"
WIDTH	49"	45"	45"	49"	53"	53"	53"	53"	53"	53"
HEIGHT	51"	30"	24 1/2"	22"	19 1/2"	21"	21"	21"	21"	21"

***NOTE:** Only CD-3 can be extended. If standard sizes and extensions do not fulfill the foundation requirements please call 860-628-0000 for guidance.

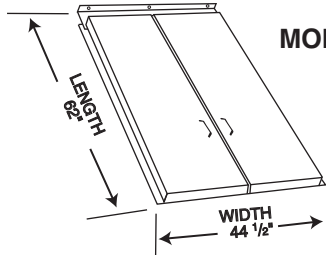
RD Model

REPLACEMENT DOORS FOR SLOPING FOUNDATIONS

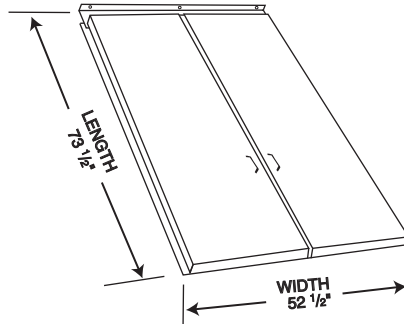


MODEL RD-0

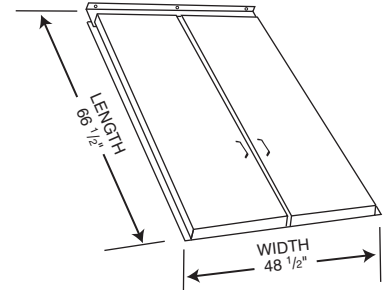
NOTE: Dimensions shown are outside frame dimensions.



MODEL RD-1



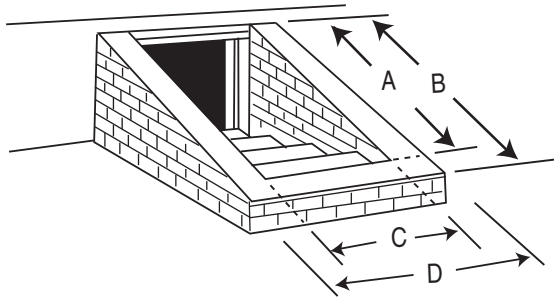
MODEL RD-3



MODEL RD-2

HOW TO SELECT A DOOR WITHOUT METAL SIDES

1. Measure dimensions **A**, **B**, **C** and **D**.
2. Select length at least 2" longer than "**A**" and no longer than "**B**".
3. Select width at least 4" wider than "**C**" and no wider than "**D**".

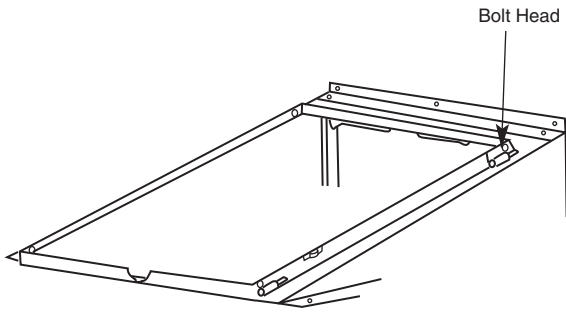


MODEL	WIDTH	LENGTH	WITH 6" EXTENSION	WITH 12" EXTENSION	WITH 18" EXTENSION	IF LONGER LENGTHS ARE REQUIRED, ORDER FLAT STEEL FROM THE PLANT
RD-0	44 1/2"	48"	53" - 55" X1-6	59" - 61" X1-12	NA	
RD-1	44 1/2"	62"	67" - 69" X1-6	73" - 75" X1-12	NA	
RD-2	48 1/2"	66 1/2"	71" - 73"	77" - 79"	NA	
RD-3	52 1/2"	73 1/2"	78" - 80" X3-6	84" - 86" X3-12	90" - 92" X3-18	96" - 98" X3-24
OUTSIDE FRAME DIMENSIONS			EXTENSION HEADERS ARE NOT INCLUDED IN DOORS — ORDER SEPARATELY			

Order X1-6 for RD-1, X2-6 for RD-2 X3 for RD-3, etc.

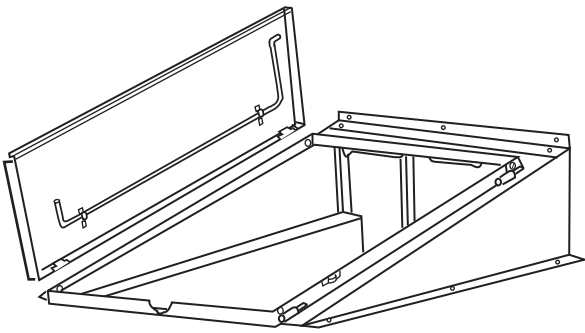
CD INSTALLATION

STEP 1—ASSEMBLE FRAME



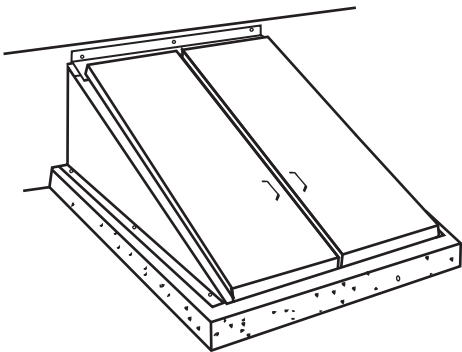
Use 1/4" bolts and nuts from hardware package. Bolt heads must face the outside of the door frame. Nuts on the inside.
NOTE: The sill bends toward the house.

STEP 3— SLIDE ON DOOR PANELS



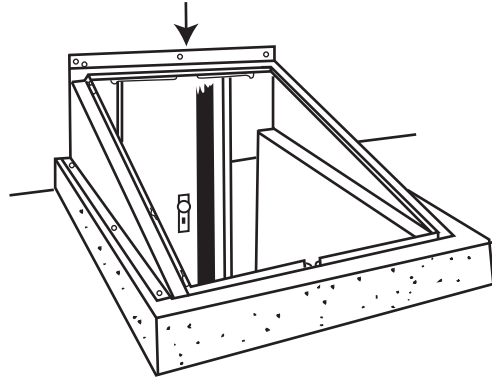
Align the door with the upper and lower pins. Slide door bushing onto door pins.

STEP 5— ALIGN AND ADJUST DOOR PANELS



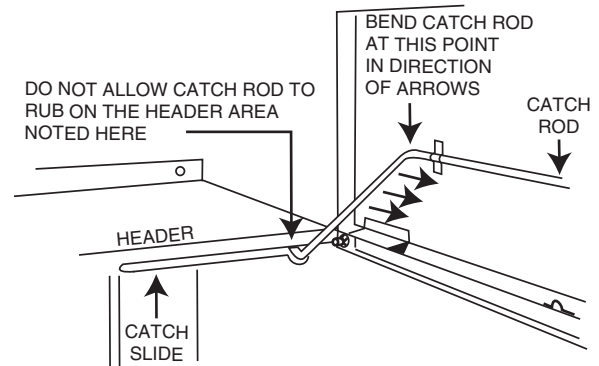
Adjust frame and doors by moving them from side to side until you find the point at which the doors will open and close without binding.

STEP 2—ATTACH FRAME TO HOUSE



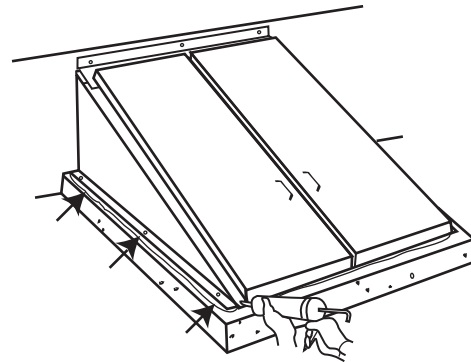
Align frame on foundation and attach **only** at center hole in header.

STEP 4—INSTALL CATCH RODS



Install catch rods into catch slides. Adjust rods by bending them slightly. **Do not allow them to rub on the header.**

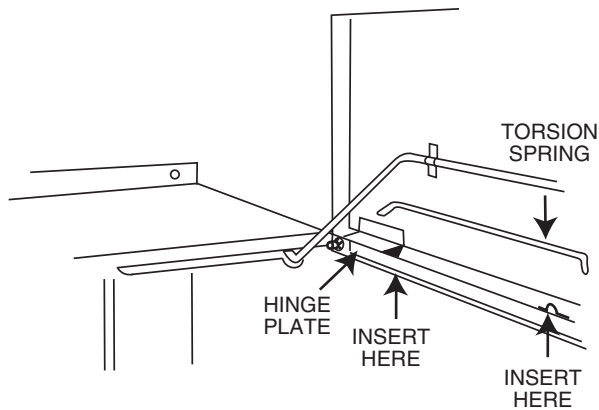
STEP 6—DRILL AND ATTACH FRAME



Use pre-punched holes in sides and sill as a guide, drill holes onto the foundation 1 3/4" deep using a 1/4" masonry bit. Install plastic rawl plugs and fasten with 1 1/2" screws until snug. Check door alignment again. Over tightening will cause misalignment.

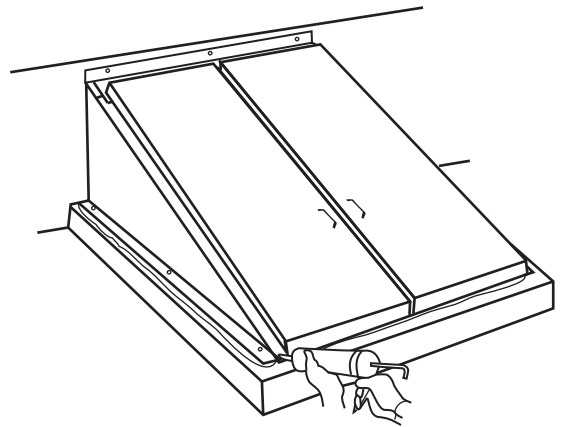
CD INSTALLATION (con't.)

STEP 7—INSTALL TORSION SPRINGS



Insert torsion springs by sliding the spring **under** the hinge plate. Point faces downward and inserts into spring clip. If new cement, allow to set before inserting springs. Models CD-1 and CD-2 have 2 torsion springs. Model CD-3 has 4 torsion springs.

STEP 8—CAULK FRAME



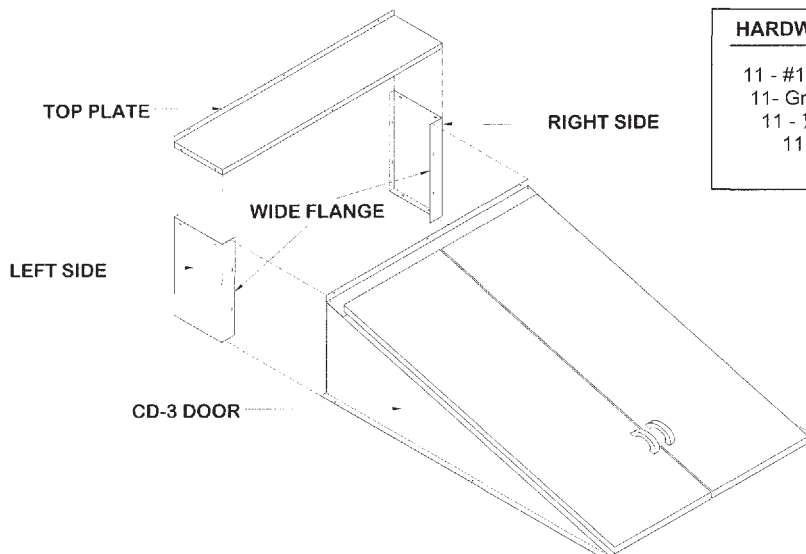
To avoid leakage caulk around frame and promptly paint the door using alkyd base outdoor metal enamel paint.

NOTE: Do not cement over flanges.

MODEL CD-3 WITH EXTENSIONS

ASSEMBLY INSTRUCTIONS

1. Assemble the CD-3 Gordon Cellar Door in accordance with the instructions with the Door package.
2. The CX Extension assembly consists of three parts: right side panel, left side panel and top plate. The wider flange on the side panels faces towards the CD-3 Door unit as shown below. Fasten each side panel to the CD-3 Door using (2) 1/4-20 x 3/4" bolts and nuts provided.
3. Install top plate so flanges overlap the side panels and header flange on the CD-3 Door. Fasten using 1/4-20 x 3/4" bolts and nuts; (5) total with nuts on the inside.
4. Move CD-3 Door and Extension assembly flush against the house and fasten through center hole in top plate with 1 1/4" screw (Supplied with CD-3 Door). Align the door frame into position so that the doors open and close without binding. Fasten the door side panels (with CX extension) and sill to the foundation. Finish installing last (2) 1 1/4" screws in top panel.
5. Caulk around door frame and CX Extension being sure to caulk where door side panels are joined to the CX Extension assembly. Promptly paint using alkyd base outdoor metal enamel paint.

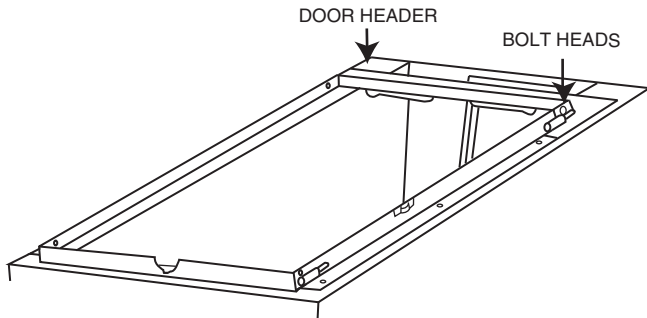


HARDWARE SUPPLIED

- 11 - #12 x 1 1/4 Screws
- 11 - Green Rawl Plugs
- 11 - 1/4-20 x 3/4 Bolts
- 11 - 1/4-20 Nuts

RD INSTALLATION

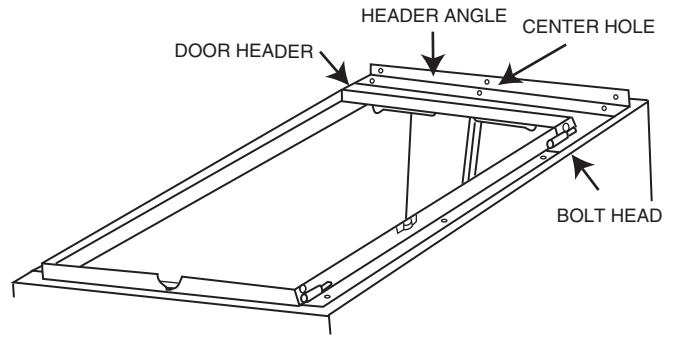
STEP 1-ASSEMBLE FRAME



Use 1/4" bolts and nuts from hardware package. Bolt heads must face the **outside** of the door frame.

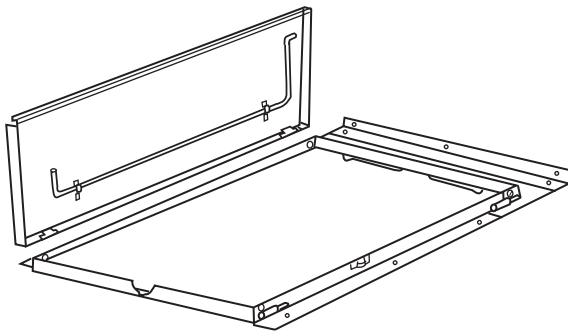
NOTE: The sill bends towards the house

STEP 2- ATTACH DOOR TO FOUNDATION



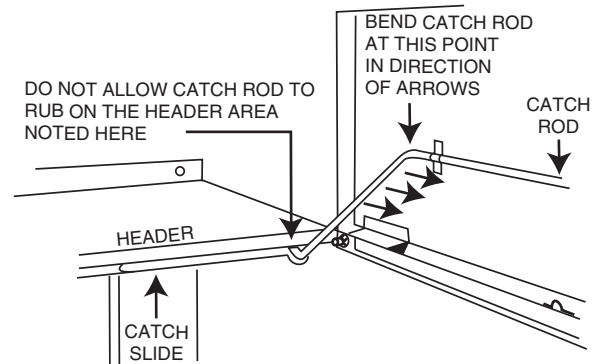
Attach header angle to door header, bolting at **center hole only**. Fasten header angle to house using all 3 holes. Drill and attach 2 remaining holes in header angle to foundation using plastic rawlplugs and screws provided.

STEP 3-SLIDE ON DOOR PANELS



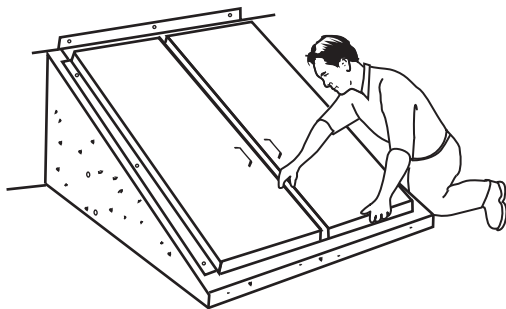
Align the door with the upper and lower pins, slide door bushing onto door pins.

STEP 4-INSTALL CATCH RODS



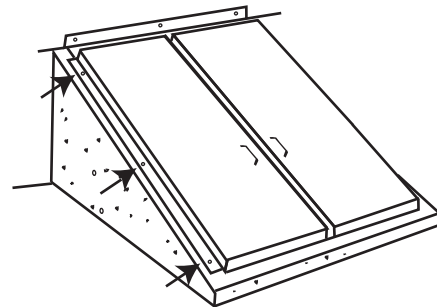
Install catch rods into catch slides. Adjust rods by bending them slightly—**Do not allow them to rub on the header.**

STEP 5-ALIGN AND ADJUST DOOR PANELS



Adjust frame and doors by moving them from side to side until you find the point at which the door will open and close without binding.

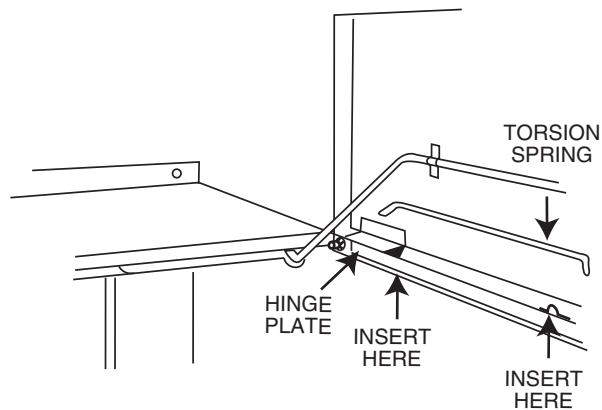
STEP 6-DRILL AND ATTACH FRAME



Using prepunched holes in side rails and sill as a guide, drill holes into the foundation 3/4" deep—using a 1/4" masonry bit. Install plastic rawl plugs and fasten with 1 1/2" screws until snug. Check door alignment again; over-tightening will cause misalignment.

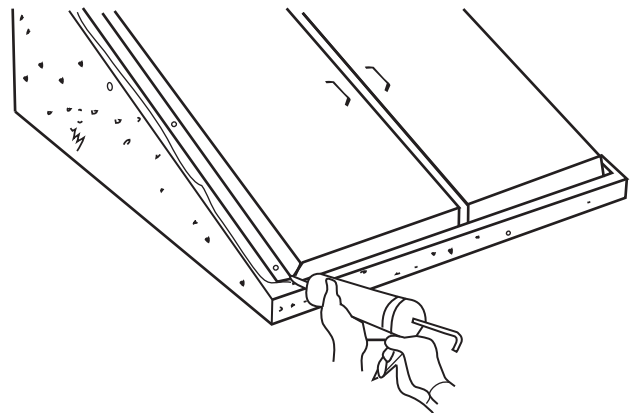
RD INSTALLATION (con't)

STEP 7—INSTALL TORSION SPRINGS



Insert torsion springs by sliding the spring **under** the hinge plate—point faces downward and inserts into spring clip. If new cement—allow to set before inserting springs.

STEP 8—CAULK FRAME

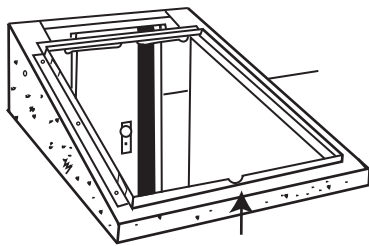


To avoid leakage, **caulk around frame and promptly paint** the door using alkyd based outdoor metal enamel paint.

NOTE: Do not cement over flanges.

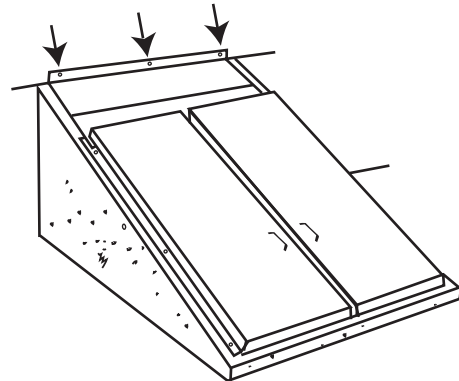
MODEL RD WITH EXTENSIONS

ASSEMBLE RD MODEL



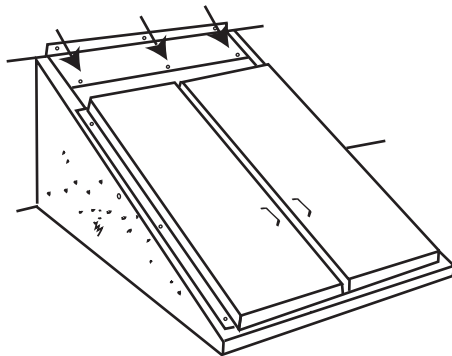
Assemble door by repeating Step 1, however **do not repeat** Step 2. Instead fasten frame at the sill—using the center hole. Leave space at top of frame for extension header which should overlap door frame.

ATTACH EXTENSION HEADER



Line the extension header up with the door frame fasten it to the house

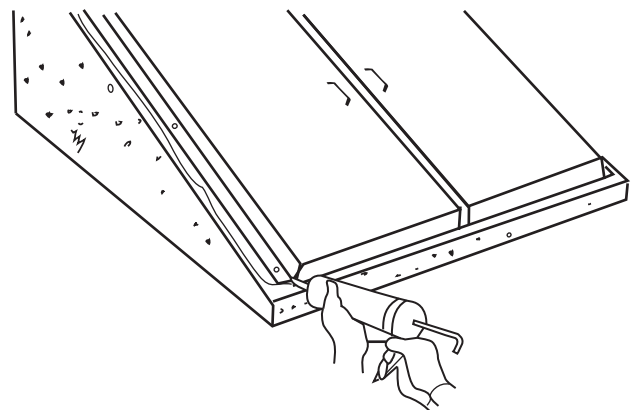
BOLT EXTENSION AND DOOR HEADER



Drill a 1/4" hole through the extension header and the door header. Bolt the two headers together with 1/4" nuts and bolts. The extension header should be fastened in three places.

NOTE: When using extension header, discard header angle that came with your door. 3-1/4" nuts and bolts required for attachment.

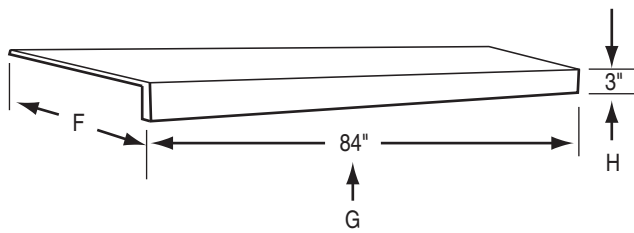
CAULK FRAME



To avoid leakage **Caulk around frame and promptly paint** the door using alkyd based outdoor enamel paint.

NOTE: Do not cement over flanges.

FOUNDATION PLATES



Dimensions		
H	F	G
3"	5"	84"
3"	8"	84"
3"	11"	84"
3"	14"	84"

Foundation plates are angle irons used to modify non standard size foundations to allow use of standard size doors, also they may be used to cap irregular surfaces such as stone or rough concrete, eliminating the need to set forms and pour a new concrete cap.

"H" dimensions is always 3".

"G" dimension is standard 84" long. Length is cut to size in field with a circular or reciprocating saw and metal cutting blade.

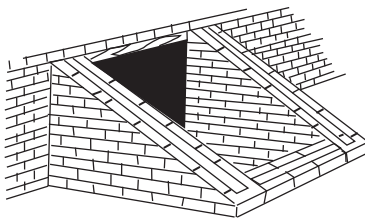
Longer lengths available—special order.

NOTE: Available in one inch increments

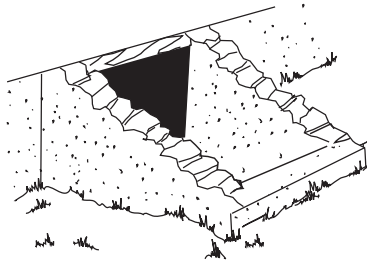
3" x 3" x 84", 3" x 4" x 84", . . . 3" x 20" x 84", 3" x 21" x 84" . . .

USES

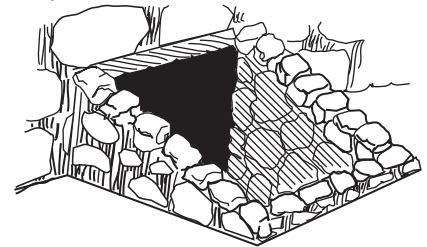
(HOLLOW BRICK)



(ROUGH CEMENT)

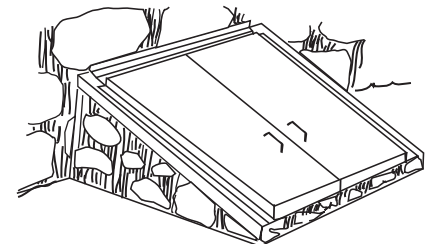
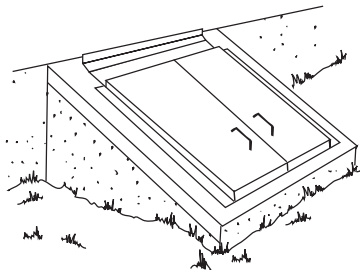
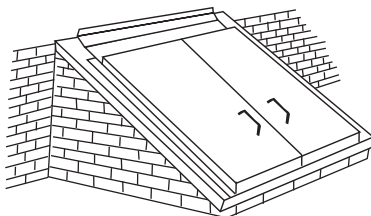


(FIELD STONE or GRANITE)



BEFORE

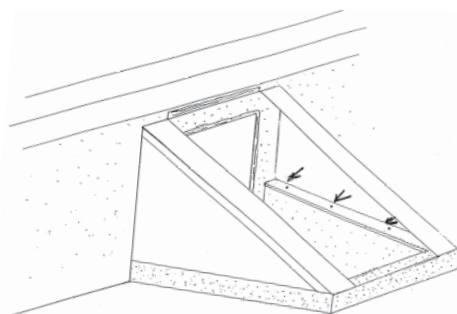
Covering foundations like the ones above, with foundation plates, makes the cellar door installation a much easier task.



AFTER

Drill underlying foundation plate with 1/4 in. sheet metal drill bit. Drill holes into the foundation 1 1/4 in. deep, insert rawlplugs and fasten with 1 in. screws.

SPECIAL SIDES



Custom sides are generally used in situations with an unusual K height. Sides are cut to height and length requirements and foundation plates are welded on to them. A standard RD model then installs on the custom sides. Call with exact A, B, C, D, and K, dimensions for quote.

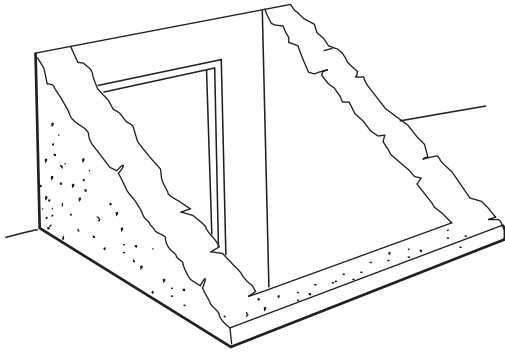
NOTE: Interior flange fastens from the inside. Holes opposite to arrows in the diagram indicate where the flange is fastened to the foundation. The flange is fastened by drilling holes in the foundation 1 3/4" deep with masonry drill bit inserting rawlplugs and 1 1/2" sheet metal screws.

FOUNDATION PLATES

TOO WIDE

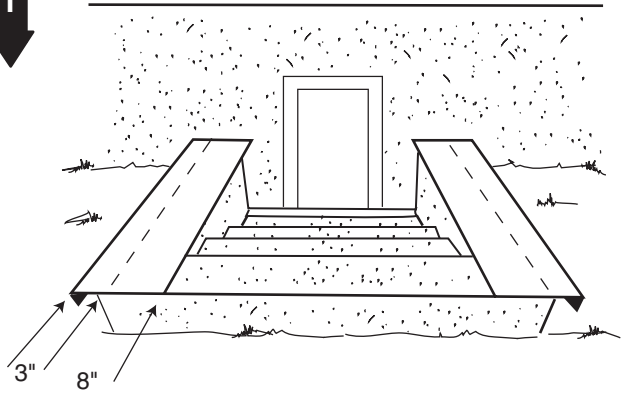
TOO NARROW

1



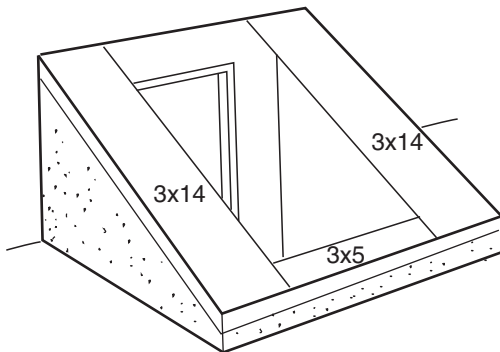
Foundation openings on older homes are often much wider than standard door widths. Foundation plates are used in this situation to reduce the width of the opening to accept a standard model door.

1



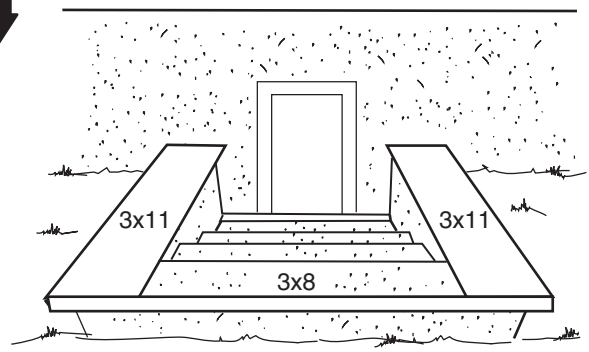
Foundation plates on older homes are often too narrow for standard door widths. Foundation plates are used in this situation to extend the width of the foundation to accept a standard model door.

2



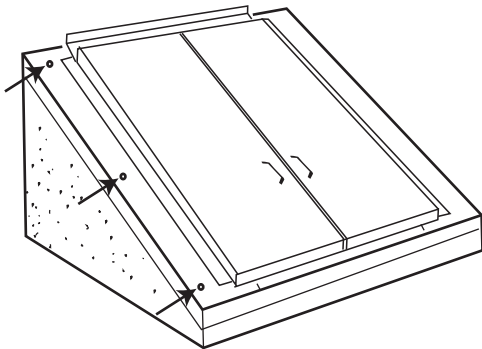
Foundation plates are not precut, use a reciprocating or circular saw with a metal cutting blade to cut plates to desired length. Cut the base plate $\frac{1}{4}$ " wider than foundation, then cut the side plates to overall length. **NOTE:** Side plates overlap base plate. For best appearance cut the ends that go against the house

2



Choose plates wide enough to extend foundation to accommodate overall width of door. Cut base plate to overall desired width. Side plates are then cut to overall length. **NOTE:** Side plates overlap base plate. For best appearance cut the ends that go against the house.

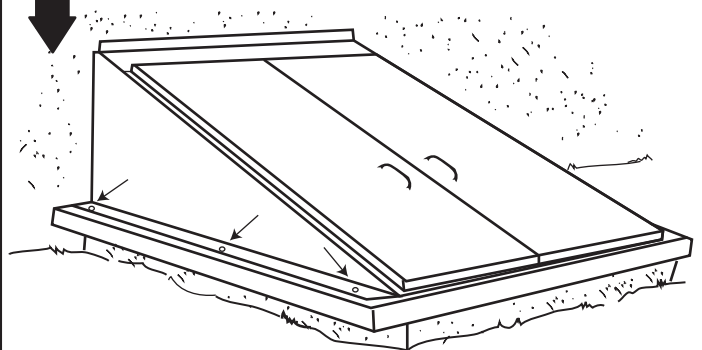
3



Plates are not predrilled, all holes should be drilled with $\frac{1}{4}$ " sheet metal drill bit. Holes opposite to arrows in above diagram indicate where plates are fastened to the foundation. Foundation plates are fastened by drilling holes in the foundation $1\frac{3}{4}$ " deep with a $\frac{1}{4}$ " masonry drill bit, inserting rawlplugs and $1\frac{1}{2}$ " sheet metal screws. The door frame is attached to the foundation plates with $\frac{1}{4}$ " nuts and bolts. Extra nuts and bolts should be purchased for this installation.

NOTE: This installation procedure is identical for CD and RD model doors.

3



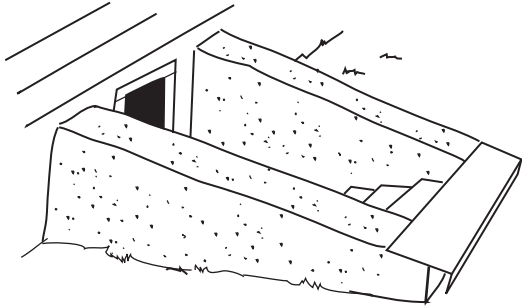
Drill and attach plates to foundation using rawl plug and $1\frac{1}{2}$ " sheet metal screws provided with the door. Drill $\frac{1}{4}$ " holes in plates through prepunched holes in frame and attach frame to plates with $\frac{5}{16}$ " self tapping screws (self tapping screws are not included with door).

FOUNDATION PLATES

TOO SHORT

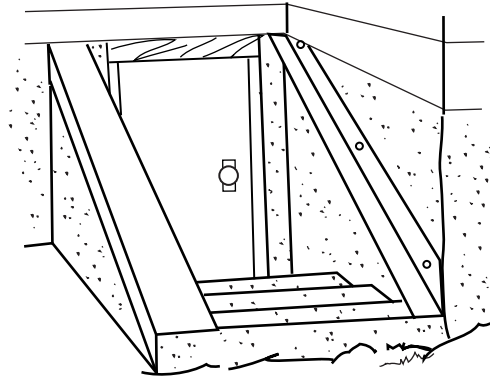
AGAINST THE HOUSE

1



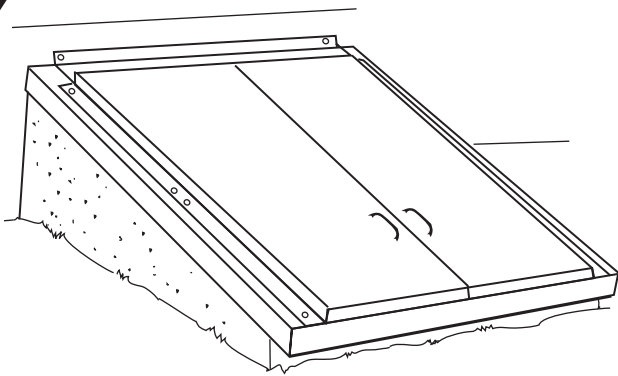
When foundations are too short for standard doors, plates are used to extend the foundation to desired length. Base plate used is attached extending length.

1



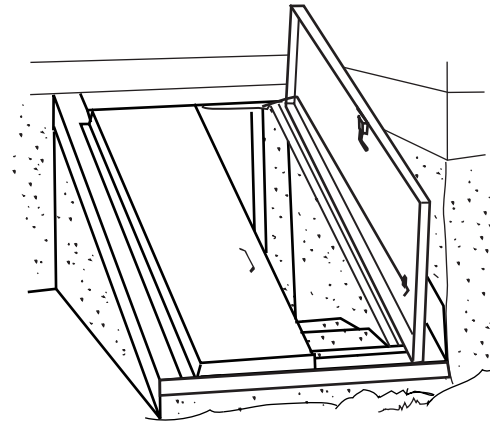
Foundation plates are used to create a side wall against the house where none exists. The 3" portion of the plate turns upward and fastens to the house.

2



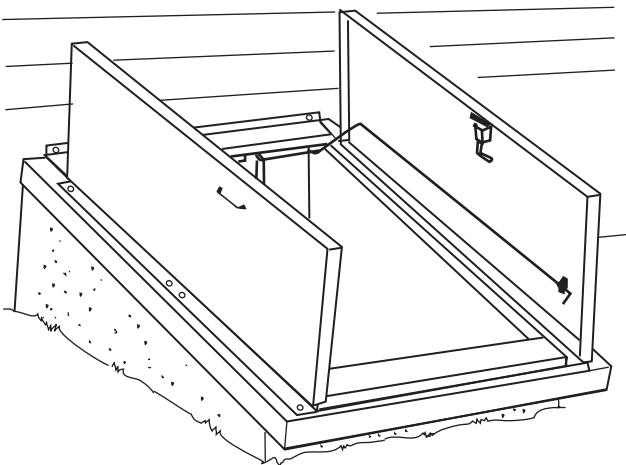
Side plates are then cut to the overall desired length, overlapping the base plate. For best appearance cut the ends that go against the house.

2



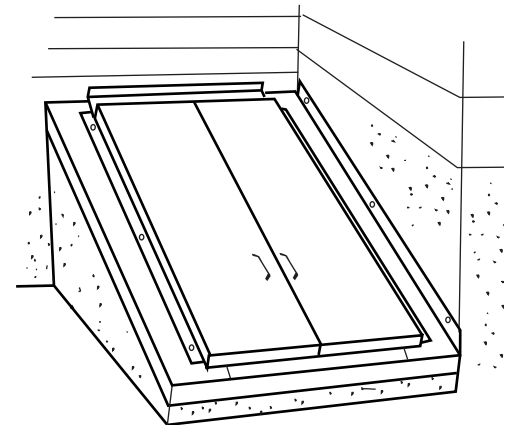
A minimum 3" x 5" plate is necessary to allow clearance for the door to open. Opposite plate is attached in the normal fashion (3" flange down).

3



Drill and attach door frame to plates and complete installation.

3



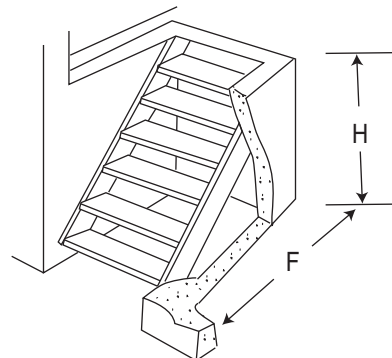
Drill and attach frame to plates and complete installation

Complete your basement with the GORDON STAIR STRINGER

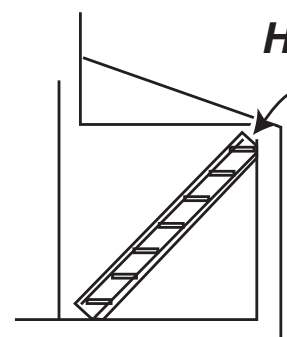
Gordon now makes it easy and economical to add stairs to your new or existing bulkhead. Along with the Gordon Steel Basement Door, the Gordon Stair Stringers eliminate the need for expensive and complicated step construction. Made of 14 gauge galvanized steel and prepunched for easy tread installation. The rise of the step is 8½”.

1. First measure the ‘H’ dimension, then the ‘F’ dimension. If new areaway, build to specifications below for model desired.
2. Second, select the right size Gordon Stair Stringer:

Select Stringer	‘H’	‘F’ at Least	Length of Stringer	Number of Steps	Use Basement Door Model
ST-1	48” to 55”	51”	69”	6	CD-1
ST-2	56” to 64”	59”	80”	7	CD-2



How to Install GORDON STAIR STRINGERS



Be sure this angle is as tight as possible to wall.

Fig. 1

STEP 1 Set level on convenient eye level tread cut-out (fig. 1). Move GORDON STAIR STRINGER in and out/up and down so that top angle is as straight as possible to outer wall.

STEP 2 SECURE GORDON STAIR STRINGER with either masonry nails or screw anchors and lag bolts use at least 6 nails or bolts.

(NOTE: If anchoring into concrete block be sure nail or lag screw and anchor are not in hollow part of block. If so use appropriate size toggle bolts.)

STEP 3 CUT STEPS from 2” x 10” lumber. The cut size will be 2” less than the width between the walls supporting the GORDON STAIR STRINGER.

STEP 4 SECURE SECOND STRINGER by placing it against wall and inserting a stair tread in bottom cut out and another at eye level cut out. Move second stringer in and out up and down until stair treads are level. Secure second stringer as in Step 2.

STEP 5 SECURE STAIR TREAD (fig.2) by driving an 8d nail straight down into the tread through the hole provided in the GORDON STAIR STRINGER.

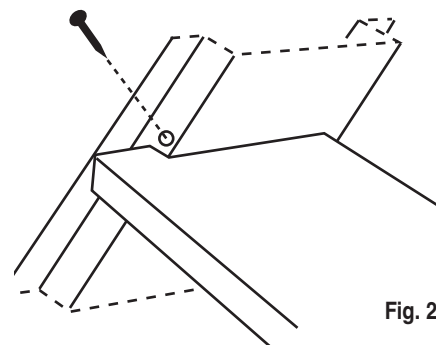
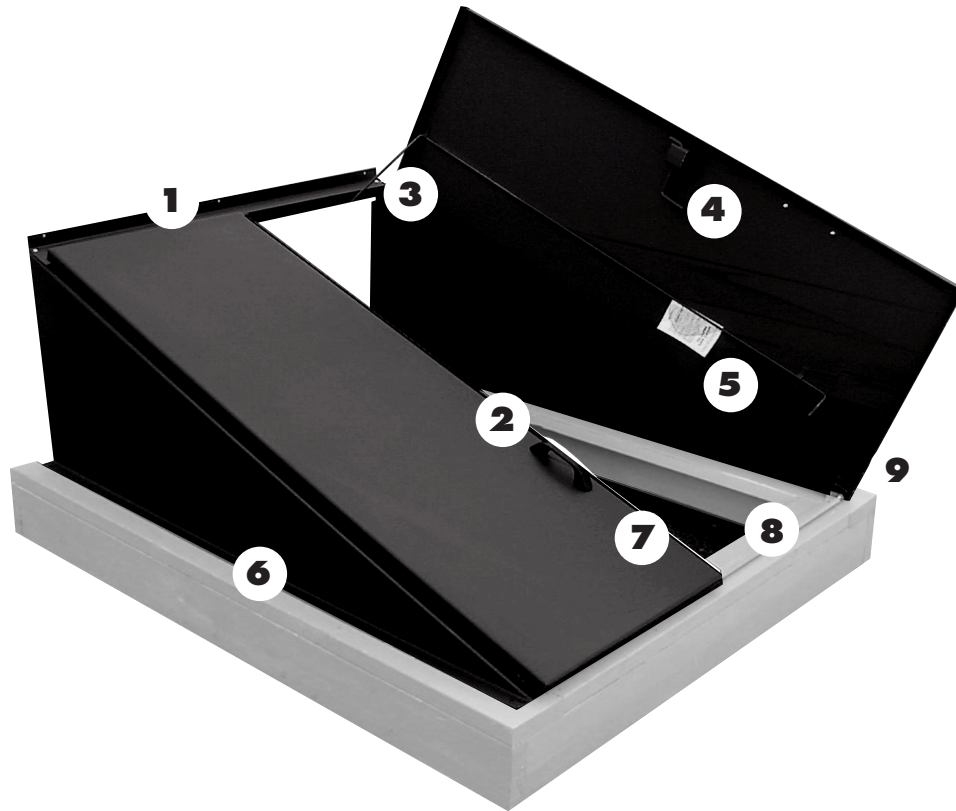


Fig. 2



- Now you can have the convenience and added security of keyed access with your Gordon Steel Basement door.
- The Gordon Cellalock can be used with all sizes and models of Gordon Celladoors including all past manufactured doors.
- You can access the basement from outside by using the key or exit from the inside by flicking the lock switch.
- The shipping carton comes with complete installation instructions including a list of tools required and a template for positioning.
- Consult your local dealers for pricing and availability.





1 One-Piece Header runs full width. It is designed to shed water and snow without caulking.

2 Twin Handles make opening both sides easier, permit doors to be padlocked with one lock for exterior security. Twin handles made of high strength U-V rated polypropelene are attractive, ergonomic and make opening both sides easier.

3 Automatic Hold Open Safety Catch keeps doors open securely until you release them. Quick lift releases doors for gentle closing.

4 Internal Locking Device for security opens easily yet is tamper proof. Exterior keyed lock available.

5 Torsion Springs make doors easy to lift and close.

6 Field Proven Flange Design sheds rain water and snow just like flashing. Easier access to mounting holes makes installation faster and simpler.

7 Recessed Water Channel assures proper drainage, avoids raised ridge in middle of door.

8 Galvanized Steel Sills hot-dipped for long

life with no maintenance. Adjustable design fits most applications easily.

9 Stainless Steel Hinges prevent rusting or binding. Are machined, then welded out of the way to provide unobstructed access.

Alkyd Resin Primer is uniformly applied by totally dipping doors and then baking which helps assure a smooth, long lasting final coat and weather protection.

Extensions needed for longer openings are available when required. The design maintains configuration of basic door. Seams overlap for weather tightness.

Heavy Duty Sheet Steel (.090 - .105 thick) is hot rolled for extra strength and durability.

One-Man Installation saves time and money.

Complete Assembly and Installation Instructions including all necessary hardware are packaged with each door.

Overall Design is trim, contemporary, attractive.

all-steel basement doors

RELIABILITY

The Gordon Corporation has been developing, manufacturing, and marketing all-steel basement doors for over 40 years. Our top-quality products are designed with thoughtful, proven features that provide long-term satisfaction for homeowners and avoid call-backs by installers.

REPUTATION

Gordon basement doors are in use in most states, are accepted on state and federal projects, and meet standard building code requirements. In fact, there's a good chance a Gordon basement door is on your own home, or in the project you're working on now.

VALUE

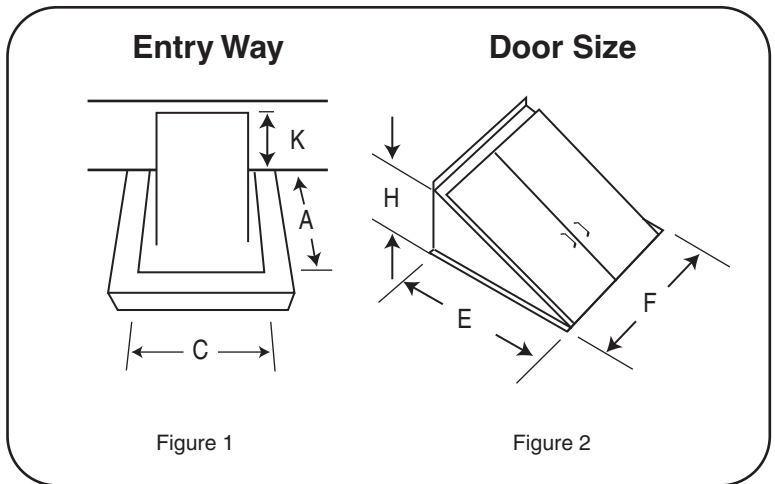
Gordon all-steel basement doors are more durable – and more economical – than wooden doors. They're available in a wide range of sizes, and fit most precast or field-constructed entryways.

SECURITY

Gordon doors provide enhanced safety. Our tamper-proof locking mechanism means better internal security. The Cellalock - a keyed exterior lock is available for those needing secure exterior access.

Recommended Specifications

Access to basement shall be via all-steel basement door as manufactured by **The Gordon Corporation** and available at building supply dealers. Recommended size is _____" x _____" (Model No. _____ with extension kit CX _____ if required) and shall be constructed of .090-.100 thickness steel, dip-coated with alkyd resin primer, complete with all hardware and instructions for installation according to manufacturer specifications. After installation, promptly apply external alkyd enamel paint for weather protection.



Entry Way Dimensions In Inches**		Gordon Door Size In Inches			Model
Length (A)	Width (C)	Length (E)	Width (F)	Height (H)*	
39 1/2	44	42 1/2	49	51	CD-SL
51	40	54	45	30	CD-0
54	40	57	45	24 1/2	CD-1
60	44	63	49	22	CD-2
68	48	71	53	19 1/2	CD-3
74	48	77	53	21	CD-3 with CX-6
80	48	83	53	21	CD-3 with CX-12
86	48	89	53	21	CD-3 with CX-18
92	48	95	53	21	CD-3 with CX-24
98	48	101	53	21	CD-3 with CX-30

* Height of door (H) must be greater than the distance from the top of foundation to top of basement door opening (K) (see Figure 1).

** Thickness of wall should conform to local building codes. A wall thickness of less than 6" is not recommended for ideal door installation.



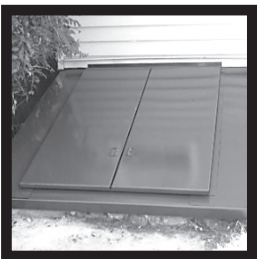
Step 1
Remove old door.



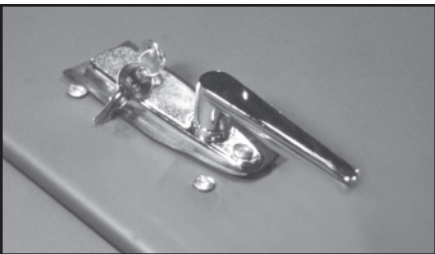
Step 2
Prepare foundation. Smooth surface with mortar or foundation plates. (optional)



Step 3
Place assembled frame on foundation. Square & attach.

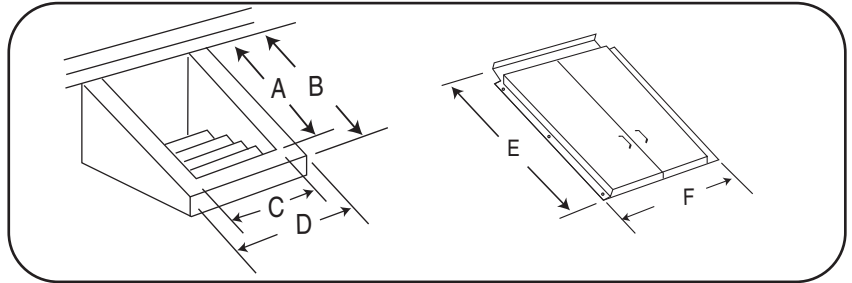


Step 4
Caulk around frame. Paint promptly with Alkyd Enamel.



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- The shipping carton comes with complete installation instructions including a list of tools required and a template for positioning.
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Looking For A Replacement Door?



How To Select A Door Without Metal Sides

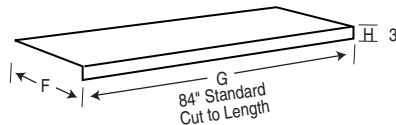
1. Measure dimensions A, B, C and D.
2. Select length at least 2" longer than "A" and no longer than "B".
3. Select width at least 4" wider than "C" and no wider than "D".

We have the most complete replacement door system in the U.S. When remodeling or rehabilitating, it makes sense to replace wooden basement doors. Our replacement doors offer the same features and advantages as our new doors, but are shipped with side rails instead of sides. Sidewalls (concrete, brick, fieldstone, or cinderblock) already exist, so new units install easily. Our flat RD Door adapts to most existing sidewalls. If necessary, foundation plates can be used to modify an entryway.

Model	Width (F)	Standard Length (E)	Length With 6" Extension	Length With 12" Extension	Length With 18" Extension
RD-0	44 1/2"	48"	53" - 55"	59" - 61"	NA
RD-1	44 1/2"	62"	67" - 69"	73" - 75"	NA
RD-2	48 1/2"	66 1/2"	71" - 73"	77" - 79"	NA
RD-3	52 1/2"	73 1/2"	78" - 80"	84" - 86"	90" - 92"

Extension headers are not included – order separately. Outside frame dimensions.

Foundation Plates



Foundation plates are angle irons used to modify non standard size foundations to allow use of standard size doors. Also, they may be used to cap irregular surface such as stone or rough concrete, eliminating the need to set forms and pour a new concrete cap.

Dimensions		
H	F	G
3"	5"	7'
3"	8"	7'
3"	11"	7'
3"	14"	7'

"H" dimension is always 3".
"G" dimension is standard 7' long. Length is cut to size in field with a circular or reciprocating saw and a metal cutting blade.
Longer lengths available—special order.
Note: Available in one inch increments
3" x 3" x 7', 3" x 4" x 7'...3" x 20" x 7'...

**Insist on, Invest in,
or Install a
Gordon Basement Door.**

TOOLS AND MATERIALS REQUIRED TO INSTALL A GORDON STEEL BASEMENT DOOR

RD or CD Model Door - needed for all standard installations:

- Electric Drill - (hammer drill works best)
- 1/4" masonry drill bit
- Phillips head screw driver or cordless screwdriver
- Caulking gun
- 1 tube of silicone caulking (G.E., Geocel, Phenoseal, ect.)
- Spray can of "rusty metal primer" for touch-up (if necessary)
- 1 quart of an alkyd base exterior metal enamel

(NOTE: Do not use fish oil base paint)

When **RD Extensions** are required you will additionally need the following:

- Additional 1/4" nuts and bolts - usually 3
- 1/4" metal drill bit

When **Foundation Plates** are used you will additionally need the following:

- Circular saw with a metal cutting blade or a reciprocating saw with a metal cutting blade
- Additional 1/4" nuts and bolts - when closing in the width of an opening. Rawl plugs included with hardware package are used to attach plates to sidewalls.
- 6-8 sets of 1/4" bolts & nuts are required to attach the door frame to the plates.

A bag of sand mix concrete can be used to back fill beneath the plates or to smooth out any irregularities in the foundation surface prior to installing door.

For assistance in selecting door sizes call

800-333-4564

*Be sure to have dimensions **A, B, C, D** ready when you call
K dimension is necessary only on flat foundations
as illustrated on page 1.*



Before Installation



After Installation



170 Spring Street • Southington, Connecticut 06489 • Telephone: (860) 628-4775

Website: <http://www.gordoncelladoor.com>