P R O D U C T C A T A L O G

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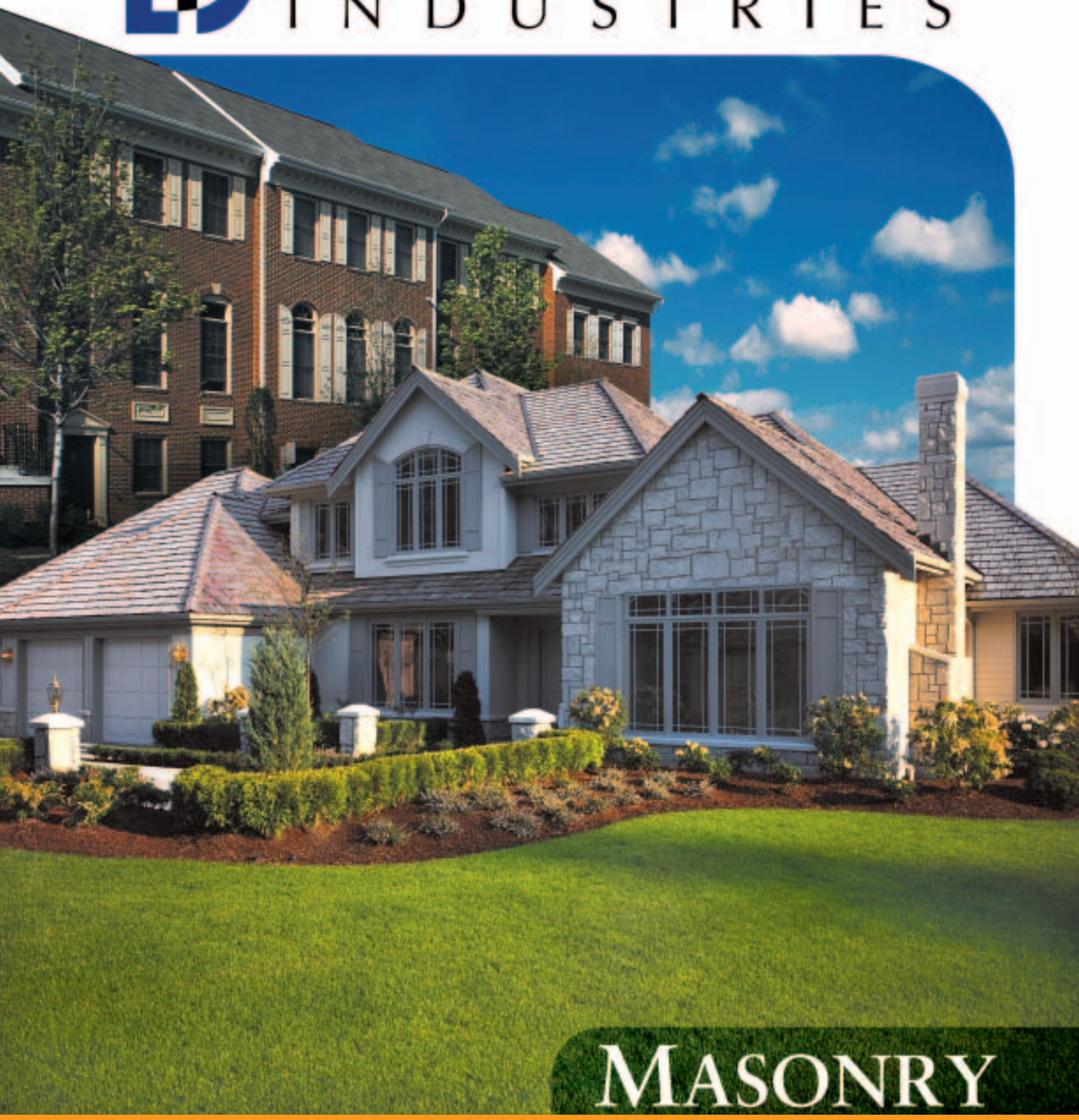

MASONRY

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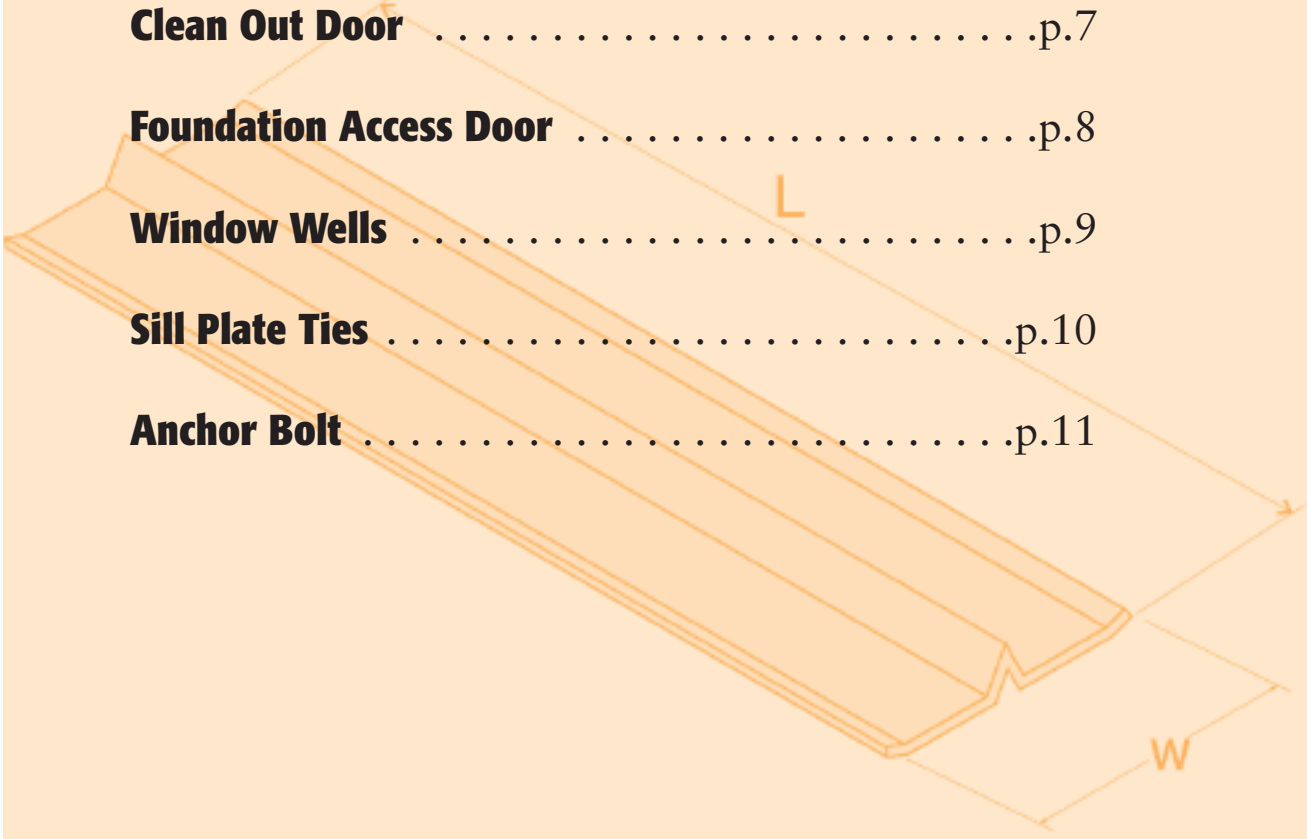
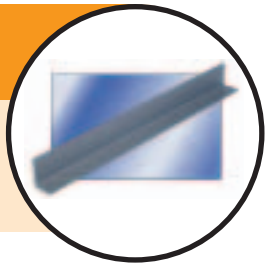


FORMED STEEL BRICK LINTEL



Design Features: Beam supporting the wall above a window or door opening in masonry construction.

Material: 13 gauge painted steel - gray

SIZE	PRODUCT CODE	LENGTH
3 3/16" X 3 3/16"	BR024	24"
3 3/16" X 3 3/16"	BR030	30"
3 3/16" X 3 3/16"	BR036	36"
3 3/16" X 3 3/16"	BR042	42"
3 3/16" X 3 3/16"	BR048	48"
3 3/16" X 3 3/16"	BR054	54"
3 3/16" X 3 3/16"	BR060	60"

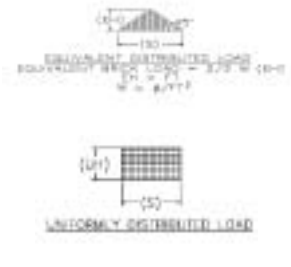
* Sold per each

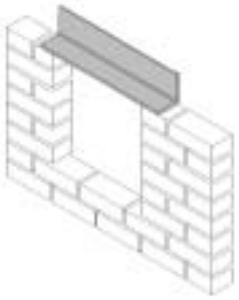
NOTE: Lintel to be shored until masonry has obtained its full strength

DESIGN LOAD CAPACITY						
Length (IN)	24	36	42	48	54	60
Span (S) (IN)	16	28	34	40	46	52
Allowable Uniform Load (PLF)	588	192	125	94	71	55
Max Height (UH) (IN) Uniform Load	324	106	72	52	39	31
Equivalent Brick Load (PLF)	18	31	38	45	51	58
*Min Height (EH) (IN) Equivalent Load 4	8	14	17	20	23	26

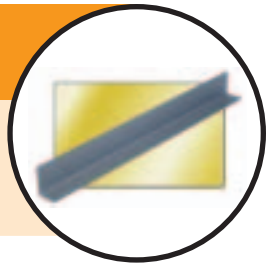
FOOTNOTE:

1. Allowable load for a 3 3/ 16" X 3 3/ 16" 13 gauge angle in accordance with A. I. S. C. and A. I. S. I.
2. Tables are based on brick weight = 40 #/ FT 2 of wall.
3. The equivalent brick load (PLF) may be used when the distance from the horizontal leg of the angle to the top of the wall is greater that 1/ 2 the width of the opening.
4. *Minimum height required for arching action.
5. Minimum bearing each side shall be 4 inches.





FORMED STEEL BRICK LINTEL



Design Features: Beam supporting the wall above a window or door opening in masonry construction.

Material: 11 gauge painted steel

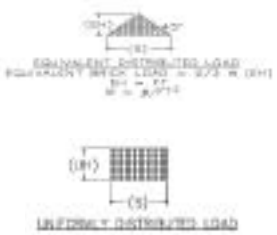
SIZE	PRODUCT CODE	LENGTH
4 1/2" X 3 1/4"	BRHD060	60"
4 1/2" X 3 1/4"	BR066	66"
4 1/2" X 3 1/4"	BR072	72"
4 1/2" X 3 1/4"	BR078	78"
4 1/2" X 3 1/4"	BR084	84"
4 1/2" X 3 1/4"	BR090	90"
4 1/2" X 3 1/4"	BR096	96"
4 1/2" X 3 1/4"	BR102	102"
4 1/2" X 3 1/4"	BR108	108"
4 1/2" X 3 1/4"	BR114	114"
4 1/2" X 3 1/4"	BR120	120"
4 1/2" X 3 1/4"	BR126	126"

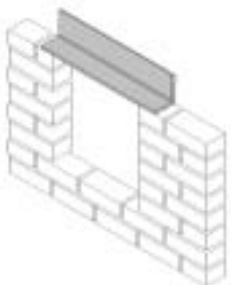
NOTE: Lintel to be shored until masonry has obtained its full strength

DESIGN LOAD CAPACITY						
Length (IN)	60	66	72	78	84	90
Span (S) (IN)	52	58	64	70	76	82
Allowable Uniform Load (PLF)	137	110	90	75	64	55
Max Height (UH) (IN) Uniform Load	60	49	40	33	28	24
Equivalent Brick Load (PLF)	58	65	71	78	85	92
*Min Height (EH) (IN) Equivalent Load 4	26	29	32	25	38	41

FOOTNOTE:

1. Allowable load for a 4 1/ 2" X 3 1/ 4" 11 gauge angle in accordance with A.I.S.C. and A.I.S.I.
2. Tables are based on brick weight = 40 #/ FT 2 of wall.
3. The equivalent brick load (PLF) may be used when the distance from the horizontal leg of the angle to the top of the wall is greater that 1/ 2 the width of the opening.
4. *Minimum height required for arching action.
5. Minimum bearing each side shall be 4 inches.
6. 120” & 126” lintels are not painted





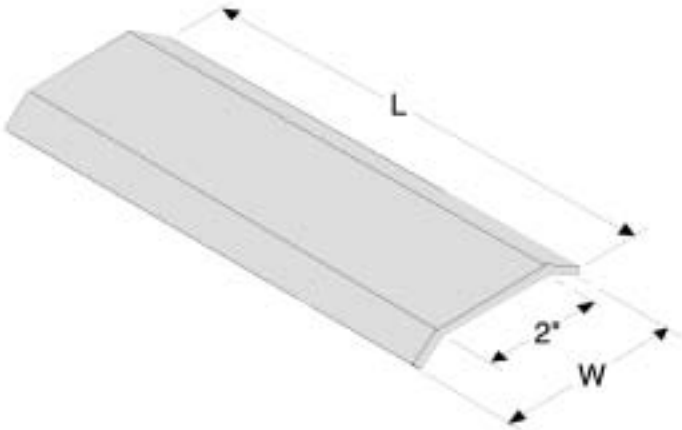
FOUNDATION BRICK LINTEL

Design Features: Formed steel lintel provides header support for vent openings.

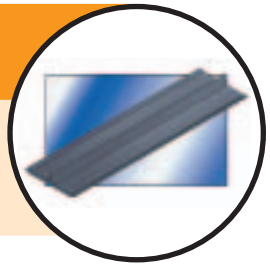
Material: 13 gauge steel

DIMENSIONS	PRODUCT CODE	GAUGE
3” (W) X 20” (L)	BR020	13

NOTE: Lintel to be shored until masonry has obtained its full strength



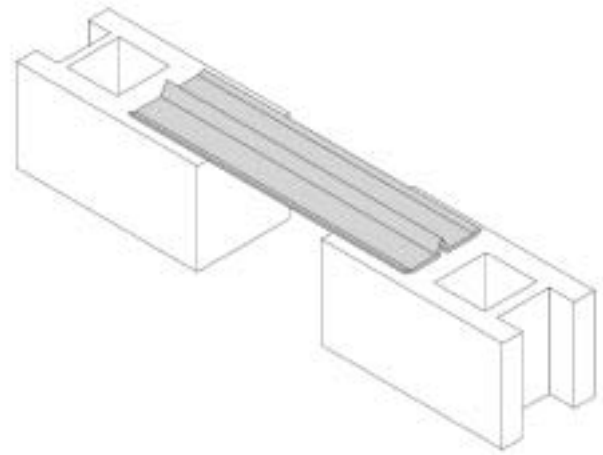
FORMED STEEL BLOCK LINTEL

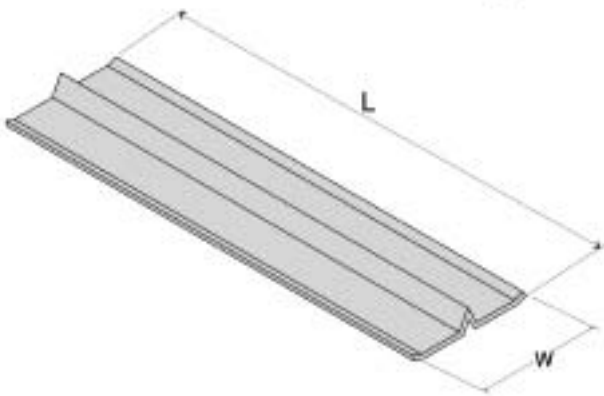


Design Features: Beam supporting the wall above a window or door opening in masonry construction.

Material: 13 gauge painted steel

DIMENSIONS	PRODUCT CODE	GAUGE
6 1/2" (W) x 24" (L)	BL824	13
6 1/2" (W) x 30" (L)	BL830	13
6 1/2" (W) x 36" (L)	BL836	13
6 1/2" (W) x 42" (L)	BL842	13
6 1/2" (W) x 48" (L)	BL848	13
6 1/2" (W) x 54" (L)	BL854	13
6 1/2" (W) x 60" (L)	BL860	13
6 1/2" (W) x 66" (L)	BL866	13
6 1/2" (W) x 72" (L)	BL872	13
6 1/2" (W) x 78" (L)	BL878	13
6 1/2" (W) x 84" (L)	BL884	13
6 1/2" (W) x 90" (L)	BL890	13
6 1/2" (W) x 96" (L)	BL896	13





NOTE: Lintel to be shored until masonry has obtained its full strength

MILL ANGLE LINTEL

Design Features: Beam supporting the wall above a window or door opening in masonry construction.

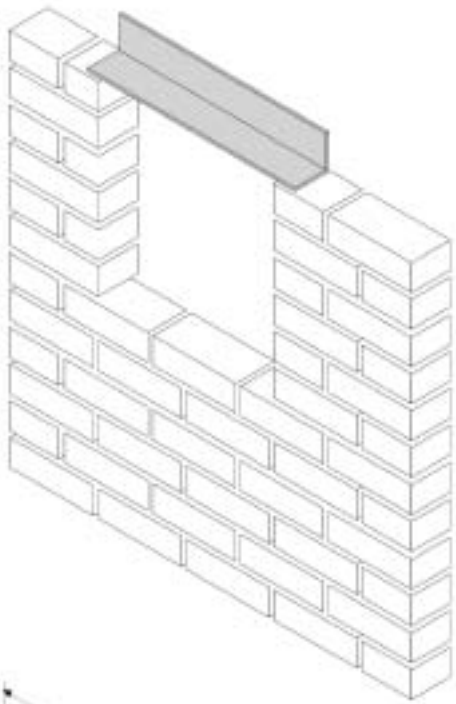
Material: 5/16, 1/4

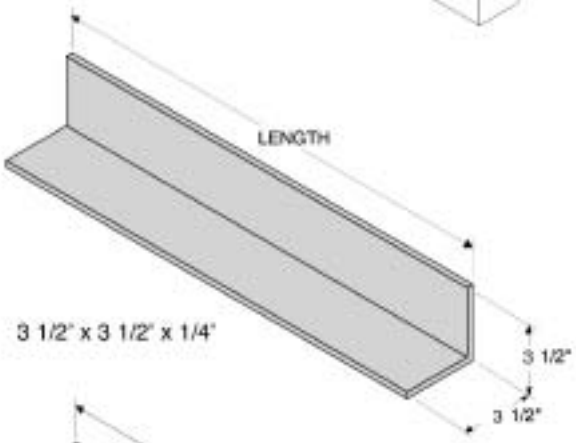
LENGTH	5" x 3 1/2" x 5/16"	3 1/2" x 3 1/2" x 1/4"
24"	M5024	M4024
30"	M5030	M4030
36"	M5036	M4036
42"	M5042	M4042
48"	M5048	M4048
54"	M5054	M4054
60"	M5060	M4060
66"	M5066	M4066
72"	M5072	M4072
78"	M5078	M4078
84"	M5084	M4084
90"	M5090	M4090
96"	M5096	M4096
102"	M5102	M4102
108"	M5108	M4108
114"	M5114	M4114
120"	M5120	M4120
126"	M5126	M4126
144"	M5144	M4144

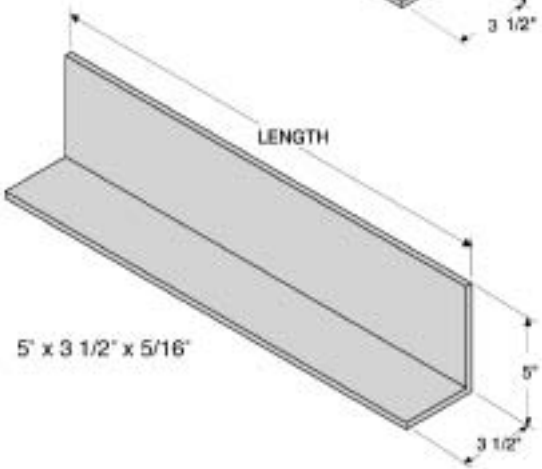
Also available in painted, add "P" to end of code

*Other sizes available

*5" x 3 1/2" x 5/16" angle is available with 5/8" hole - special order (5" leg only)







FOOTNOTE:

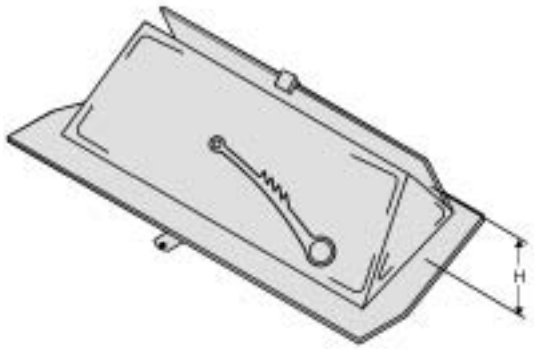
Intermediate support must be employed when imposed load exceeds above specified capacity, and remain in place until brick mortar curing is complete. Mill angle must be supported at 4' - 0° O.C. for lateral bracing.

DAMPER

Design Features:
- Formed steel dampers are designed to provide the correct ratio of throat-to-fireplace opening, producing maximum draft.
- These dampers are equipped with poker type control and are easily installed

Material: Cast Iron - Poker controls with handle

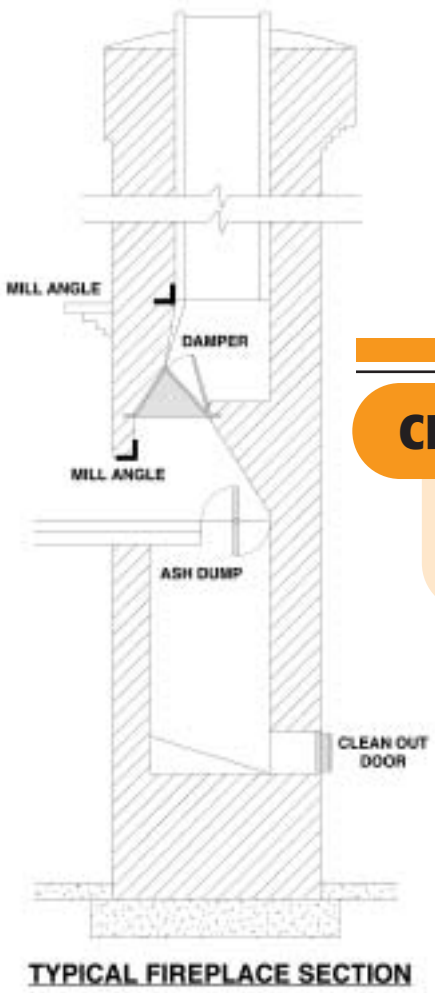
SIZE	PRODUCT CODE	THROAT DIMENSIONS			OVERALL DIMENSIONS			WEIGHT
		BACK	DEPTH	HEIGHT	FRONT	BACK	DEPTH	
24	DAM24	17	10	6	28	20 3/4	13 1/2	24#
30	DAM30	23	10	6	34	26 3/4	13 1/2	33#
36	DAM36	29	10	6	40	32 3/4	13 1/2	41#
42	DAM42	35	10	6	46	38 3/4	13 1/2	43#
48	DAM48	41	10	6	57 1/2	50 1/2	13 1/2	54#



ASH DUMP

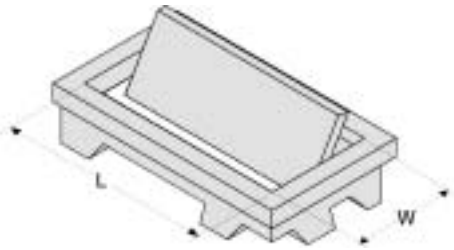
Design Features: Dumps ashes beneath fireplace to ash pit accessed through clean out door providing easy disposal.

Material: Heavy Cast Iron



TYPICAL FIREPLACE SECTION

SIZE	PRODUCT CODE	PER CTN
4x8	AD9	12

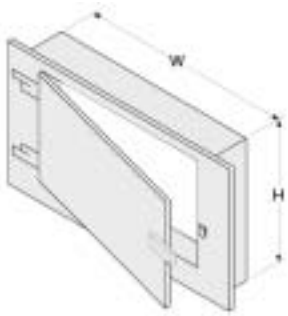


CLEAN OUT DOOR

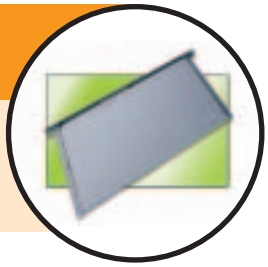
Design Features: Clean out doors provide easy access to fireplace ash pit.

Material: Cast Iron

SIZE	PRODUCT CODE	PER CTN
8x8	C88	6
8x10	C810	6
8x12	C812	6

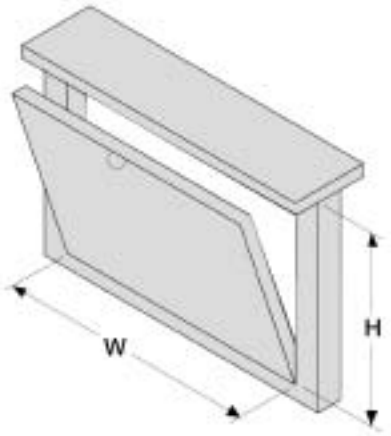


FOUNDATION ACCESS DOOR



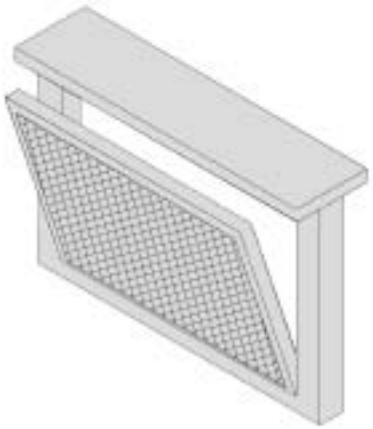
Design Features: Primed painted steel jambs and lintel with door provides access to crawl spaces and basement

SIZE	PRODUCT CODE	DIMENSIONS	
		W	L
24x16	D2416	24	16
24x20	D2420	24	20
24x24	D2424	24	24
32x16	D3216	32	16
32x20	D3220	32	20
32x24	D3224	32	24
32x32	D3232	32	32
32x40	D3240	32	40
36x24	D3624	36	24
36x36	D3636	36	36
37 1/2 x 25 1/2	D3725	37 1/2	25 1/2

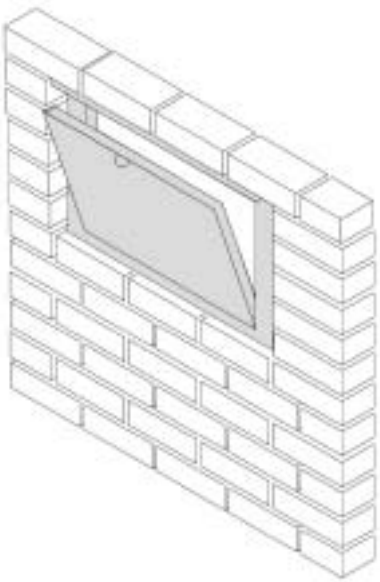


36x24 minimum size access for crawl space with mechanical equipment.

Available screened (add S)



Recess Doors Available



WINDOW WELLS

Material: Galvanized Steel

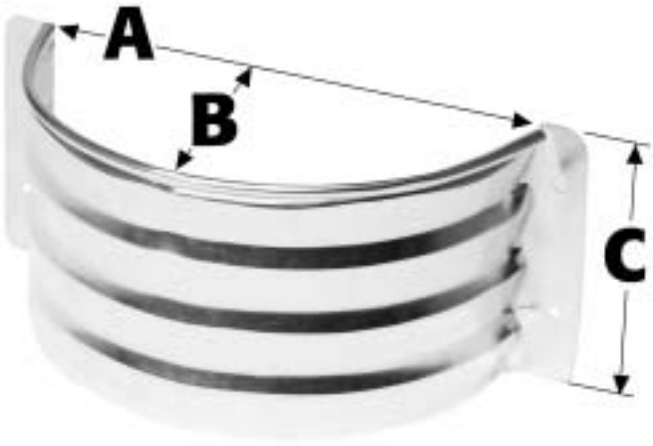
STANDARD WIDTH - 37" ROUND GALVANIZED STEEL			
MODEL	**HEIGHT**	**WEIGHT EACH**	**PROJECTION**
AW12	12"	7#	16"
AW18	18"	10#	16"
AW24	24"	13#	16"
AW30	30"	18#	16"
AW36	36"	20#	16"
SHIPPED: Wired Bundles of 5			

FOUNDATION VENT AREA WALL ROUND TYPE - GALVANIZED STEEL			
MODEL	**HEIGHT**	**WEIGHT EACH**	**PROJECTION**
AWF12	12"	5#	12"
SHIPPED: Wired Bundles of 10			

- 12", 18", 24", and foundation vent area walls also have rounded bottom corners for extra safety.
- Stamped from single steel sheet.
- Bright finish – reflects light into basement.
- Holes in flanges for bolting into wall.
- Deep corrugation stiffens against back fill.
- All back filling should be done gradually to prevent excessive pressure against area wall.

Always order by:
- **Width (A)**
- **Projection (B)**
- **Height (C)**

Example:
A-37/B-20/C-18



SILL PLATE TIES

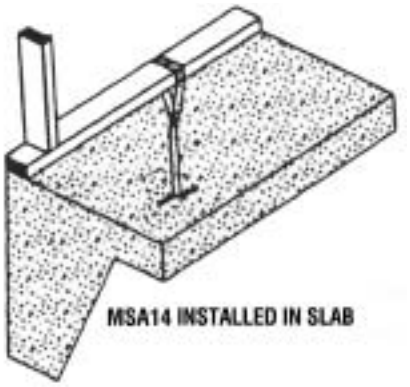
Design Features: Designed to replace anchor bolts and eliminate steps involved in locating and pre-drilling of sill plates.

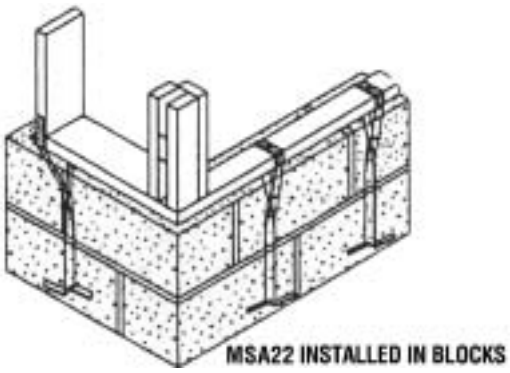
Material: 18 gauge hot-dipped galvanized steel

ID	LENGTH	PLATE SIZE
MSA14	14 3/4"	2x4
		2x6
		2x8
MSA22	22 3/4"	2x4
		2x6
		2x8

FOR NON-ENGINEERED CONSTRUCTION	
PLATE SIZE	MAX. SPACING
2x4, 2x6	4'4"
2x8	3'5"

NOTE:
Ties are usable with 2x4, 2x6 and 2x8 sill plates. Use a minimum of two ties per piece: one anchor located within 12" of each end. MSA14 is used in concrete. MSA22 is used for block wall construction.





1. Bend the two 2" tabs at one end of the MSA14 90° in opposite directions. (**fig. 1**)
2. Bend the two 6" arms at the other end outward to form a "Y" shape. The arms of the "Y" should be about as wide as the sill plate which is to be used. (**fig. 2**)


FIGURE 1


FIGURE 2

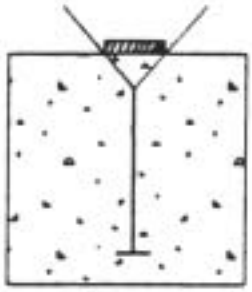


FIGURE 3

To Position Foundation Anchor

Push MSA14 into wet concrete until the yoke of the "Y" is submerged. If 2x4 or 2x6 sill plates are to be used, leave 3 1/4" of arms sticking out of the wet cement. If 2x8 sill plates are to be used, leave 2 5/8" of arms sticking out of the wet cement. While arms protrude from concrete, they must be spaced apart the width of the plate. (**fig. 3**)

To Install Sill Plate

Allow concrete to set. Place sill plate between the arms of the "Y" sticking out of the cement and bend MSA22 arms over the top of the sill plate. Place two 8d common nails through each arm of the MSA22 into the edge of the plate. If 2x4 or 2x6 sill plates are used, drive two 8d common nails through each arm of the MSA22 into the sill plate top plate flat surface. If 2x8 sill plates are used, drive one 8d common nail through each arm of the MSA22 into the sill plate top plate flat surface

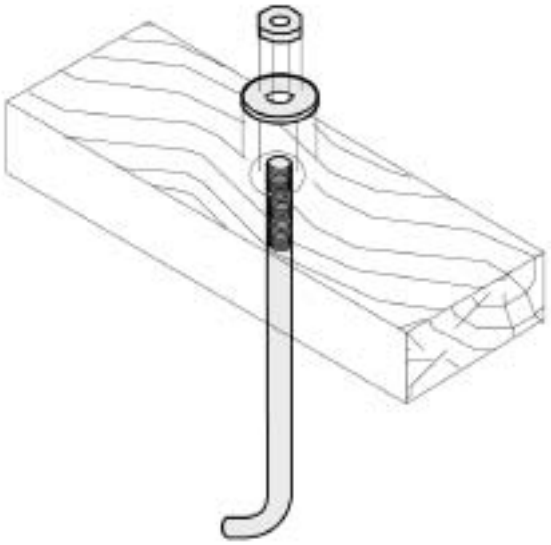
ANCHOR BOLT WITH NUT & 1" WASHER

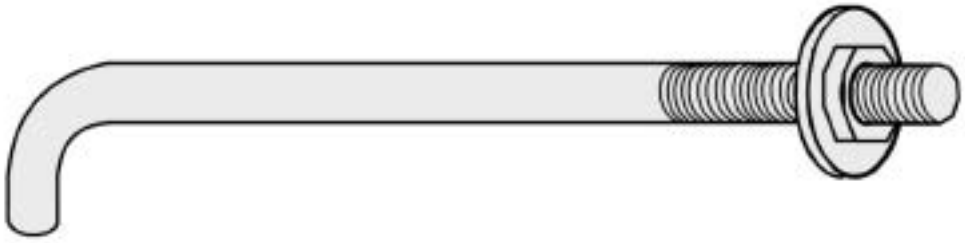
Design Features: Bolt only with 4" minimum embedment with 3000 PSI concrete will resist 4,800 lbs.

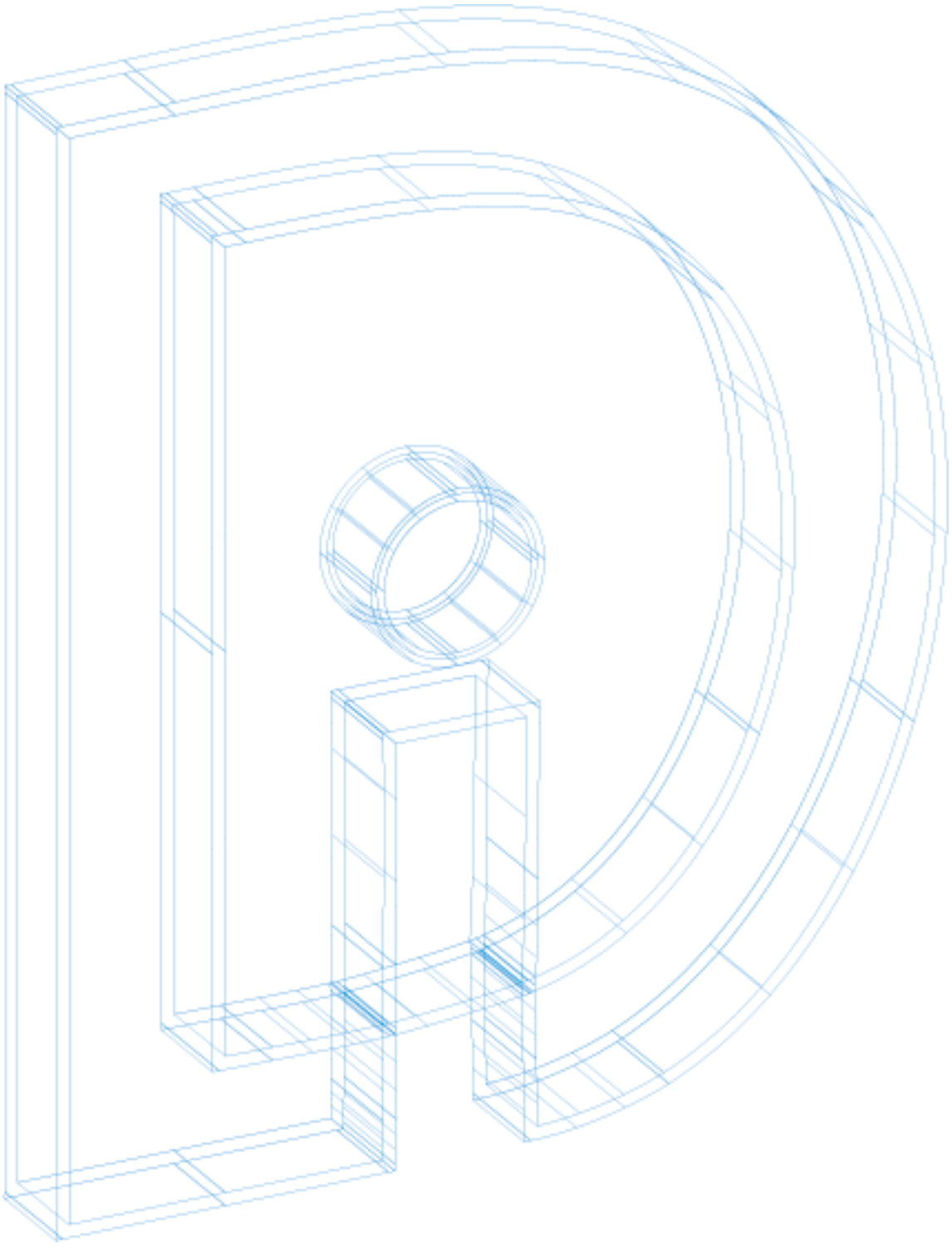
Material: Black Steel or Galvanized

SIZE	PRODUCT CODE	DESCRIPTION	PER CTN
1/2 x 6	AB6	Black or Galvanized	50
1/2 x 8	AB8	Black or Galvanized	50
1/2 x 10	AB10	Black or Galvanized	50
1/2 x 12	AB12	Black or Galvanized	50
1/2 x 16	AB16	Black or Galvanized	50
1/2 x 18	AB18	Black or Galvanized	50

For Galvanized, add "G" to end of code







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