MINIMUM HEADROOM DIMENSIONS

OPENING HEIGHT	THRU 8'-0"	OVER 8'-0" THRU 10'-0"	OVER 10'-0" THRU 14'-0"	OVER 14'-0" THRU 16'-0"	OVER 16'-0" THRU 18'-0"	OVER 18'-0" THRU 20'-0"
VERTICAL HEADROOM	18"	20"	21"	22"	23"	24"
HORIZONTAL HEADROOM	19"	21"	22"	23"	24"	25"

REVISIONS

REV	DESCRIPTION	DATE	APPROVAL
–	RELEASE PER DRN		
1	NOTE ADD: IBC/IRC 2018 COMLIANCE	8-2-22	B.D.A.

3.22
0.60
.071
2.00
3.00
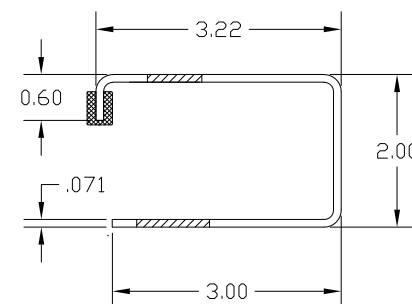
ASTM A653 GALVANIZED
CS TYPE B
GUIDE DETAIL

1.00
1.38
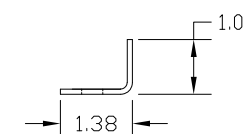
ASTM A653 GALVANIZED
CS TYPE B
WINDBAR DETAIL

HORIZONTAL HEADROOM
BRACKET
VERTICAL HEADROOM

20'-0" MAX WALL OPENING HEIGHT (CLEAR OPENING)

SIDE VIEW

(*) FOR PUSH-UP OPERATION 6-1/2"
FOR HAND CHAIN OR
ELECTRIC OPERATION 10"
NOTE: LEFT SIDE DRIVE SHOWN

END OF AXLE
10 1/2"
(*)
TOP BARREL ASSEMBLY
6-1/2"
10-1/2"
END OF AXLE

HEAD STOP

26 GA CURTAIN

GUIDE CONCRETE/ FILLED BLOCK JAMBS

GUIDE STEEL JAMBS

BOTTOM BAR ASSEMBLY

20'-0" MAX WALL OPENING WIDTH (CLEAR OPENING)

INSIDE ELEVATION

5/8"
20-1/4"
3-1/4"
59°
0.017"
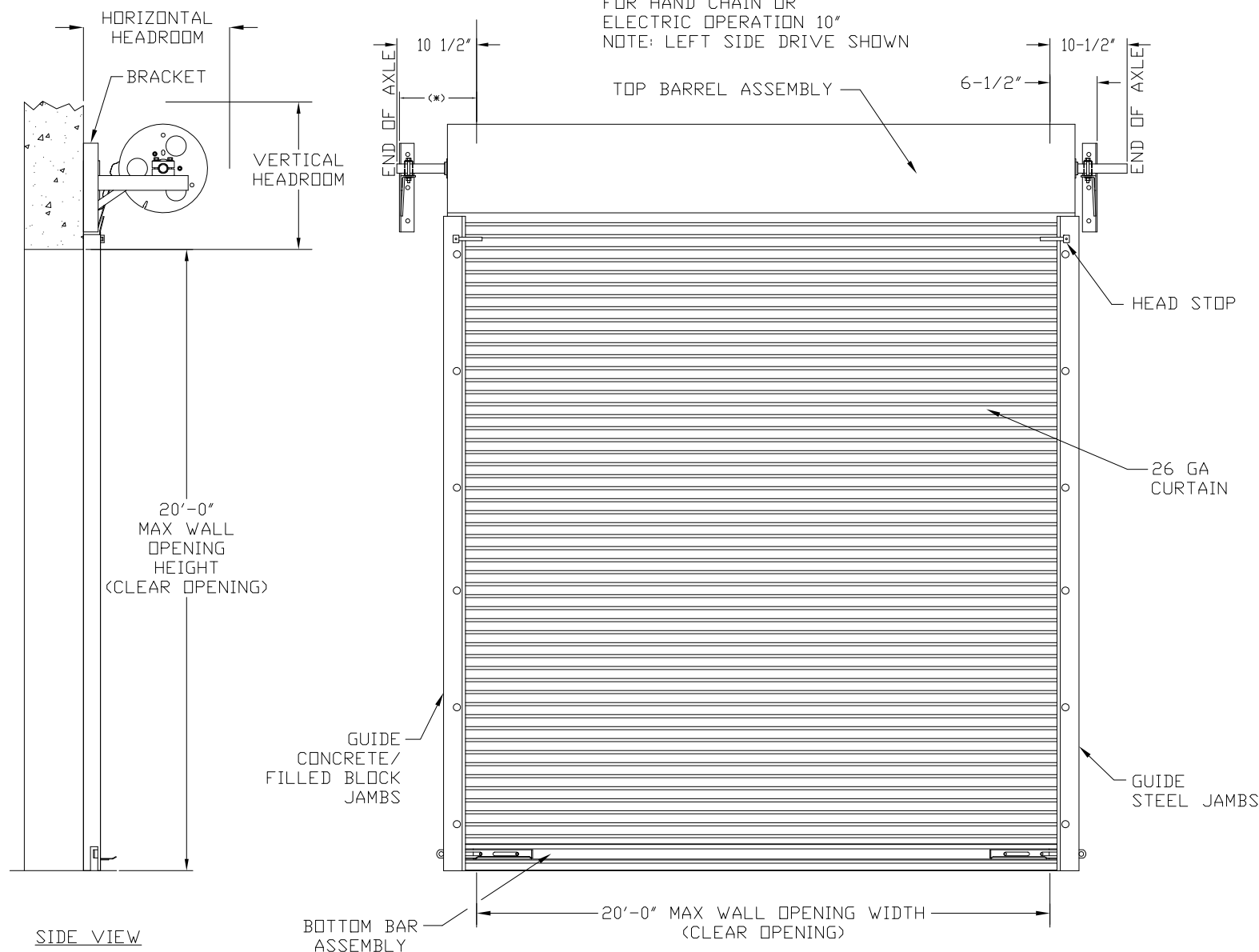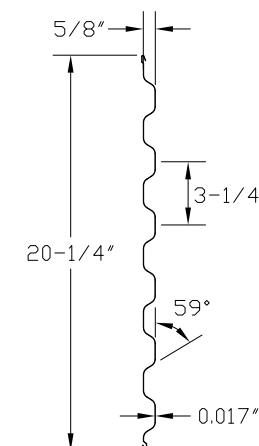
ASTM A653 GRADE 80
WITH FULL COAT OF PRIMER
AND BAKED POLYESTER FINISH COAT

TYPICAL PANEL (26 GA.) DETAIL

6063-T6 ALUMINUM ALLOY EXTRUSION
0.075"
0.563"
2.563"
1-1/2"
0.250"
0.438"
ASTRAGAL
2"
0.625"

1/4" Ø THRU BOLT W/LOCK NUT. PLACE TWO BOLTS @ 6-1/4" O.C., AT EACH END & AT MIDDLE, SIX TOTAL NUMBER OF BOLTS

1-1/2" X 2" X 0.108" GALV. STEEL ANGLE ASTM A653 WITH NOTCHES LOCATED 2" FROM EACH END OF EXTRUSION

BOTTOM BAR ASSEMBLY DETAIL

R 5/8
80°
1.000
R 1/8
.071"
2.700

WINDLOCK DETAIL

3X Ø.192
1.125
.875
.250
.219
.781
1.344

EACH WINDLOCK IS ATTACHED TO CURTAIN WITH THREE STEEL RIVETS WITH THE BODY 3/16" DIA.

PART NUMBER: N/A
MATERIAL: N/A
APPLIED FINISH: N/A
UNIT OF MEASURE: N/A

APPROVALS	DATE:
DRAWN BRAY ALLEN	09/15/14
CHECKED	
APPROVED	

DBCI
DOORS & BUILDING COMPONENTS
DOUGLASVILLE, GA CHANDLER, AZ HOUSTON, TX
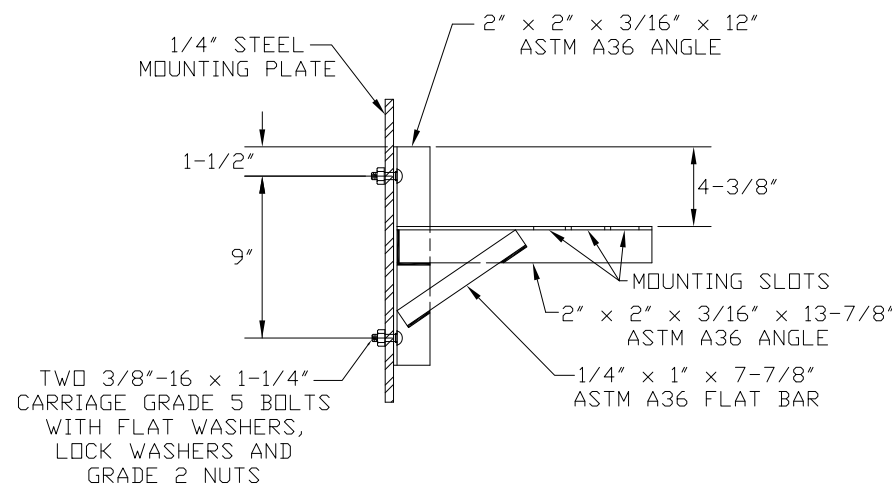©2000 DBCI ALL RIGHTS RESERVED

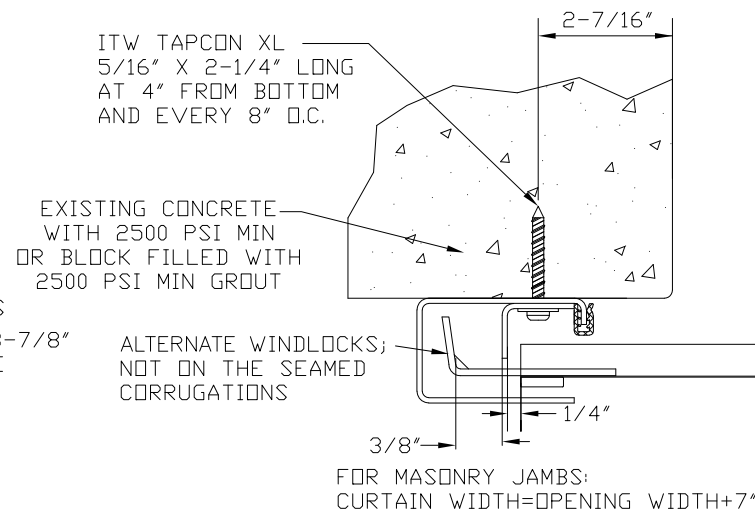26 GA. WIND LOAD, MAX. SIZE 16'-0" x 20'-0"

3000 DOOR ASSEMBLY

SIZE B
DRAWING NUMBER -3000-14-0001
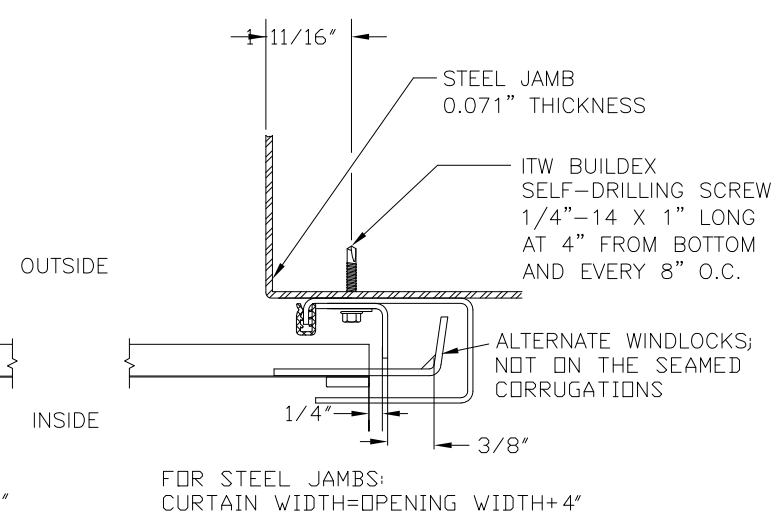REV. 1

SCALE: NONE
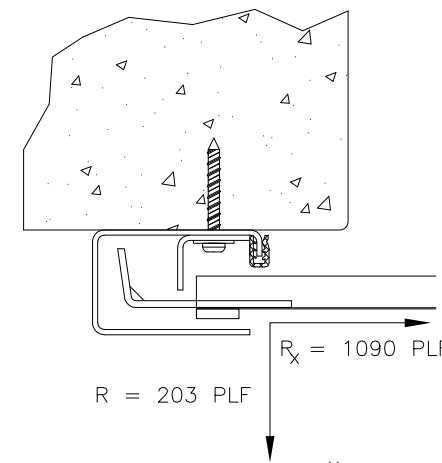SHEET 1 OF 2
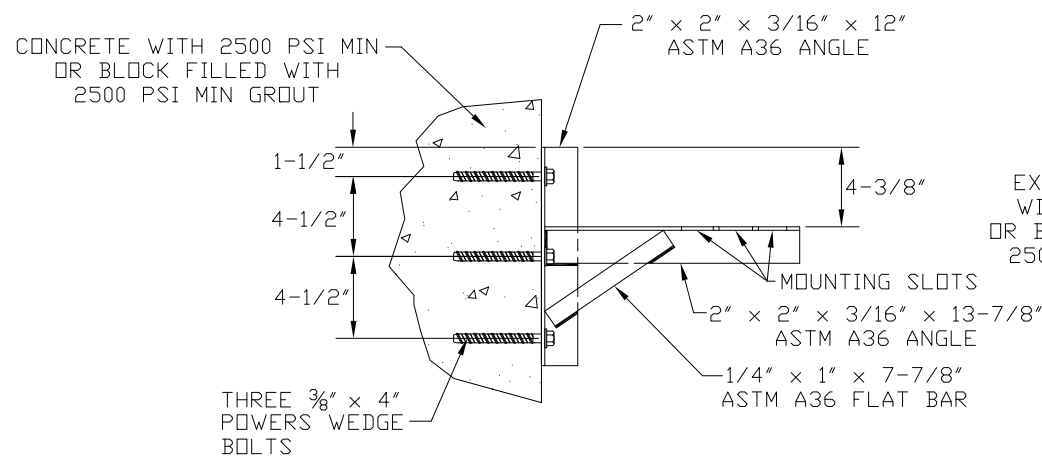
DOOR MOUNTING BRACKET TO MASONRY DETAIL

CONCRETE WITH 2500 PSI MIN OR BLOCK FILLED WITH 2500 PSI MIN GROUT
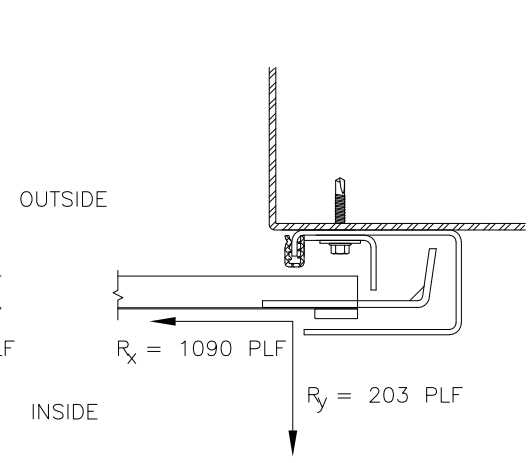
2" × 2" × 3/16" × 12" ASTM A36 ANGLE

1-1/2"
4-1/2"
4-1/2"
4-3/8"

MOUNTING SLOTS

2" × 2" × 3/16" × 13-7/8" ASTM A36 ANGLE

1/4" × 1" × 7-7/8" ASTM A36 FLAT BAR

THREE 3/8" × 4" POWERS WEDGE BOLTS

DOOR MOUNTING BRACKET TO STEEL DETAIL

1/4" STEEL MOUNTING PLATE

2" × 2" × 3/16" × 12" ASTM A36 ANGLE

1-1/2"
9"
4-3/8"

MOUNTING SLOTS

2" × 2" × 3/16" × 13-7/8" ASTM A36 ANGLE

1/4" × 1" × 7-7/8" ASTM A36 FLAT BAR

TWO 3/8"-16 × 1-1/4" CARRIAGE GRADE 5 BOLTS WITH FLAT WASHERS, LOCK WASHERS AND GRADE 2 NUTS

ITW TAPCON XL 5/16" X 2-1/4" LONG AT 4" FROM BOTTOM AND EVERY 8" O.C.

2-7/16"

EXISTING CONCRETE WITH 2500 PSI MIN OR BLOCK FILLED WITH 2500 PSI MIN GROUT

OUTSIDE

ALTERNATE WINDLOCKS; NOT ON THE SEAMED CORRUGATIONS

INSIDE

3/8"   1/4"

FOR MASONRY JAMBS: CURTAIN WIDTH=OPENING WIDTH+7"

CONCRETE/FILLED BLOCK JAMBS
LH GUIDE MOUNT SHOWN

11/16"

STEEL JAMB 0.071" THICKNESS

ITW BUILDEX SELF-DRILLING SCREW 1/4"-14 X 1" LONG AT 4" FROM BOTTOM AND EVERY 8" O.C.

ALTERNATE WINDLOCKS; NOT ON THE SEAMED CORRUGATIONS

1/4"   3/8"

FOR STEEL JAMBS: CURTAIN WIDTH=OPENING WIDTH+4"

STEEL JAMBS
RH GUIDE MOUNT SHOWN

OUTSIDE

INSIDE

$R_x = 1090$ PLF $R_x = 1090$ PLF

$R = 203$ PLF

$R_y = 203$ PLF

y

CONCRETE/FILLED BLOCK JAMBS
LH GUIDE MOUNT SHOWN

STEEL JAMBS
RH GUIDE MOUNT SHOWN

SUPERIMPOSED LOAD DIAGRAM

DOOR SCHEDULE

DOOR WIDTH	DESIGN PRESSURE (PSF)
</= 8'-0"	+40.8
	-46.7
9'-0"	+36.6
	-41.9
10'-0"	+32.2
	-38.0
11'-0"	+30.3
	-34.7
12'-0"	+28.0
	-32.0
13'-0"	+24.4
	-27.9
14'-0"	+21.5
	-24.7
15'-0"	+19.2
	-22.0
16'-0"	+17.3
	-19.8

GENERAL NOTES:

1. THIS DOOR EVALUATED IN ACCORDANCE WITH TEST METHODS ASTM E330-02 AND ANSI/DASMA 108.

2. THIS PRODUCT EVALUATION IS GENERIC. IT DOES NOT INCLUDE INFORMATION PREPARED FOR A SPECIFIC SITE.

3. IT IS THE RESPONSIBILITY OF OTHER, TO VERIFY THE STRUCTURAL CAPACITY OF THE SUBSTRATE (JAMB) TO RESIST THE LOADS IMPOSED BY THE ROLL-UP DOOR.

4. ALL DOOR JAMBS (MASONRY OR STEEL) MUST BE DESIGNED TO RESIST THE FORCES IN SUPERIMPOSED LOAD DIAGRAM.

5. THE DOOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS.

6. COMPLIES WITH IBC/IRC 2018.

7. PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR VERIFICATION OF WINDLOAD CONSTRUCTION DETAIL.

JOHN E. SCATES, P.E.
2560 King Arthur Blvd, Ste 124-54
Lewisville, TX 75056

FL PE 51737
TX PE 56308/F-2203

PART NUMBER: N/A
MATERIAL: N/A
APPLIED FINISH: N/A
UNIT OF MEASURE: N/A

APPROVALS	DATE:
DRAWN BRAY ALLEN	09/15/14
CHECKED BRAY ALLEN	
APPROVED	

DBCi

DOORS & BUILDING COMPONENTS
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26 GA. WIND LOAD, MAX. SIZE 16'-0" × 20'-0"

3000 DOOR ASSEMBLY

SIZE: B
DRAWING NUMBER: -3000-14-0001
REV: 1
SCALE: NONE
SHEET 2 OF 2