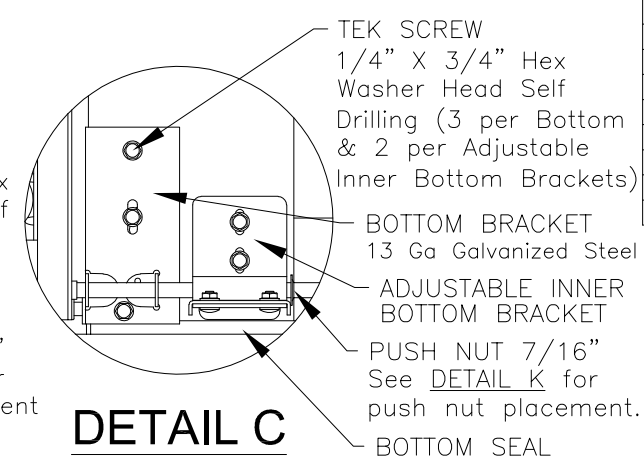
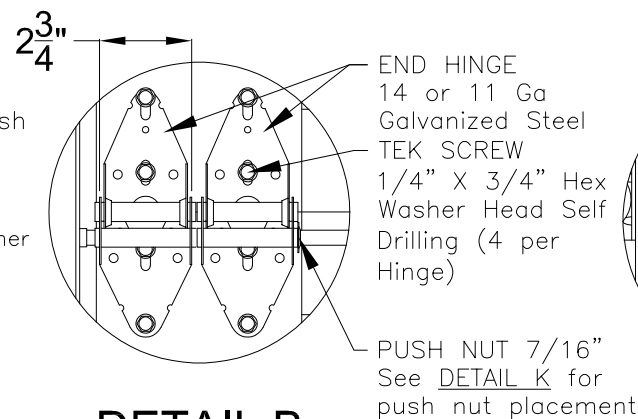
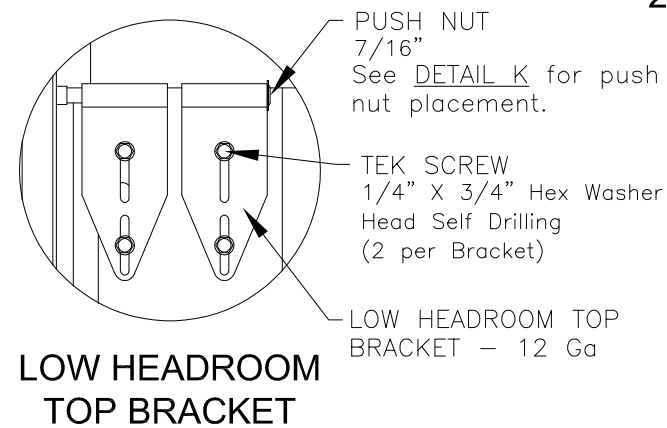
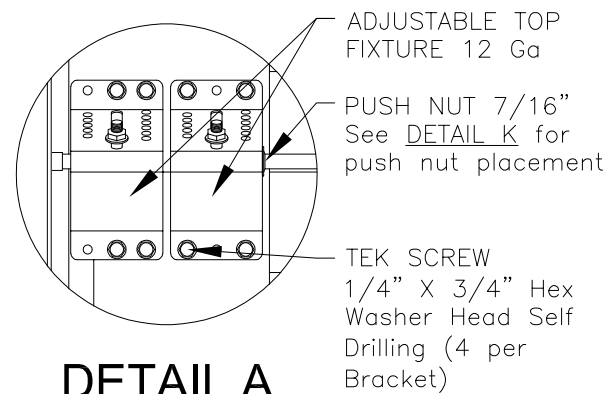
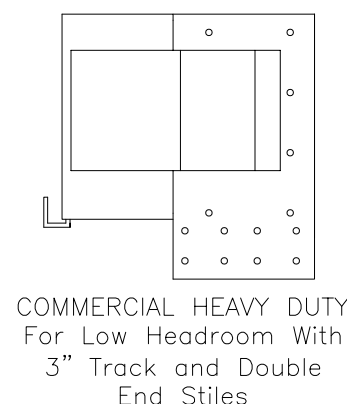
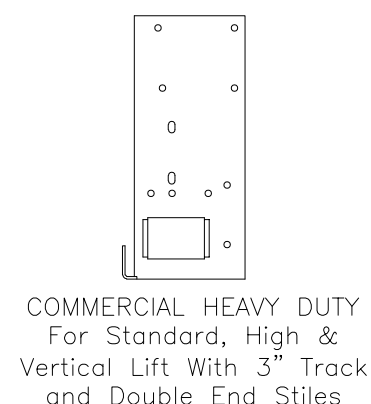
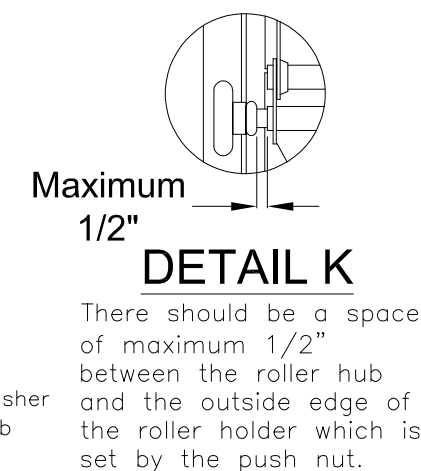
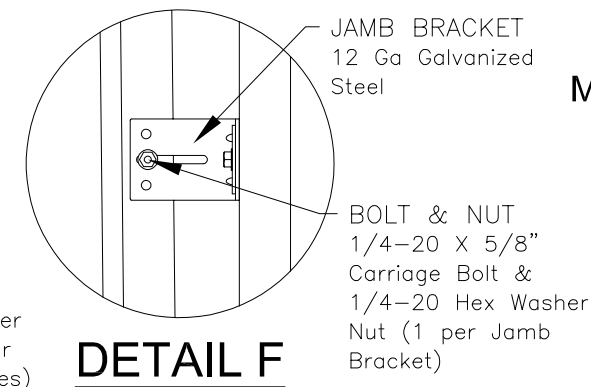
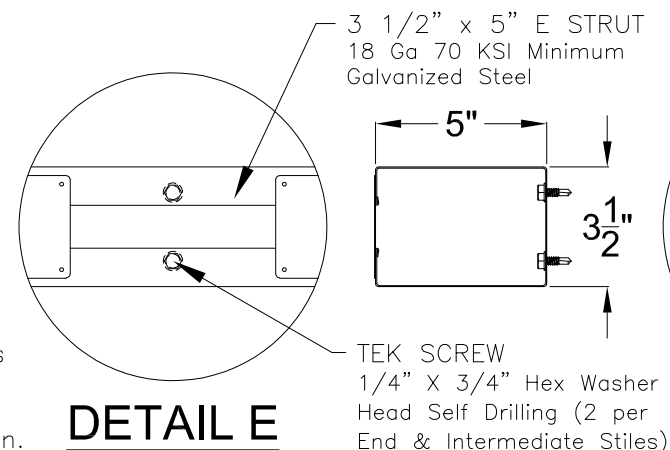
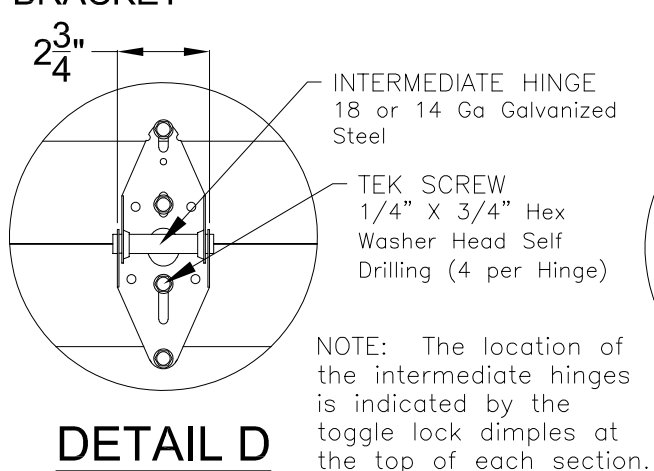
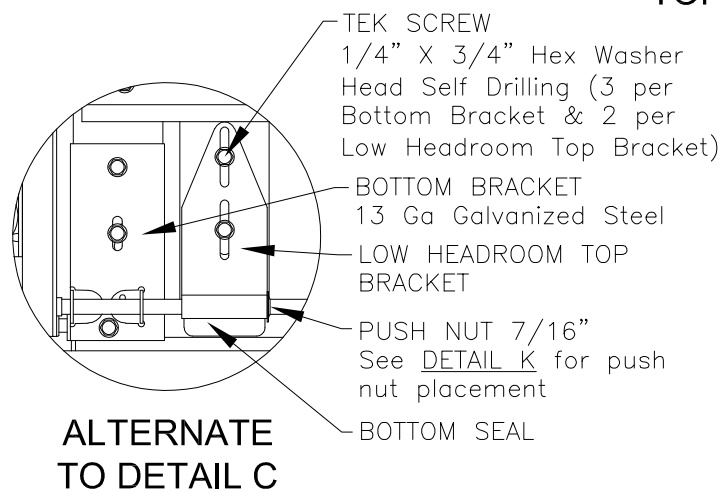




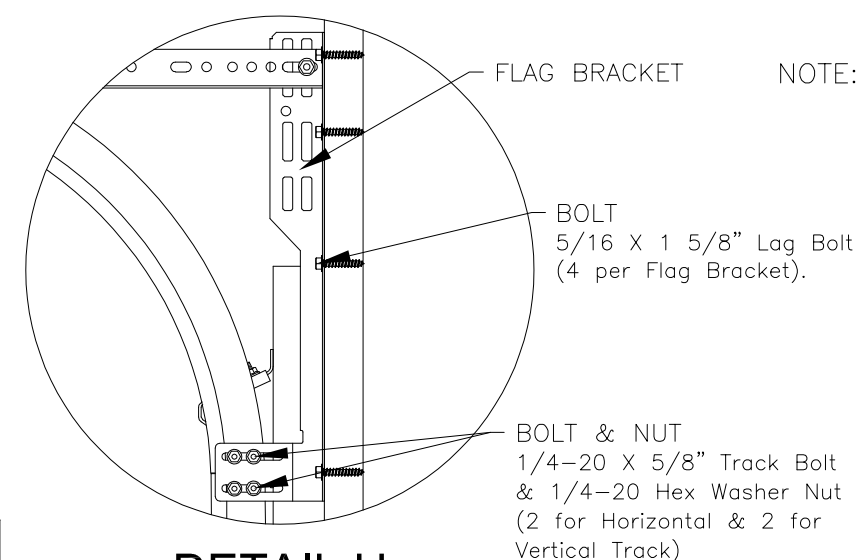
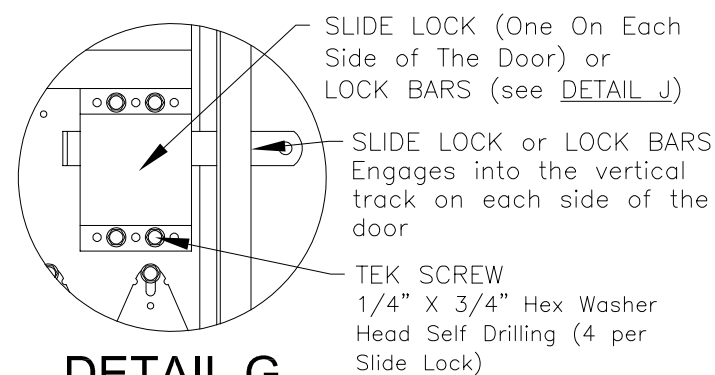


| REVISIONS |      |     |                                   |         |
|-----------|------|-----|-----------------------------------|---------|
| REV.      | ZONE | BY  | DESCRIPTION                       | DATE    |
| B         |      | MVS | SEE DRAWING LOG SHEET FOR CHANGES | 6/10/15 |
| C         |      | MVS | SEE DRAWING LOG SHEET FOR CHANGES | 8/9/16  |
| D         |      | MVS | SEE DRAWING LOG SHEET FOR CHANGES | 9/8/17  |
| E         |      | MVS | SEE DRAWING LOG SHEET FOR CHANGES | 7/23/19 |
| F         |      | MVS | SEE DRAWING LOG SHEET FOR CHANGES | 10/7/21 |
| G         |      | MVS | SEE DRAWING LOG SHEET FOR CHANGES | 8/23/23 |
| H         |      | MVS | SEE DRAWING LOG SHEET FOR CHANGES | 1/20/25 |

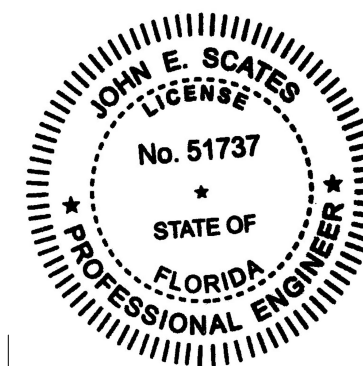


## ALTERNATE BOTTOM BRACKETS

NOTE: The bottom bracket tested (shown in DETAIL C) is the lightest bracket available.

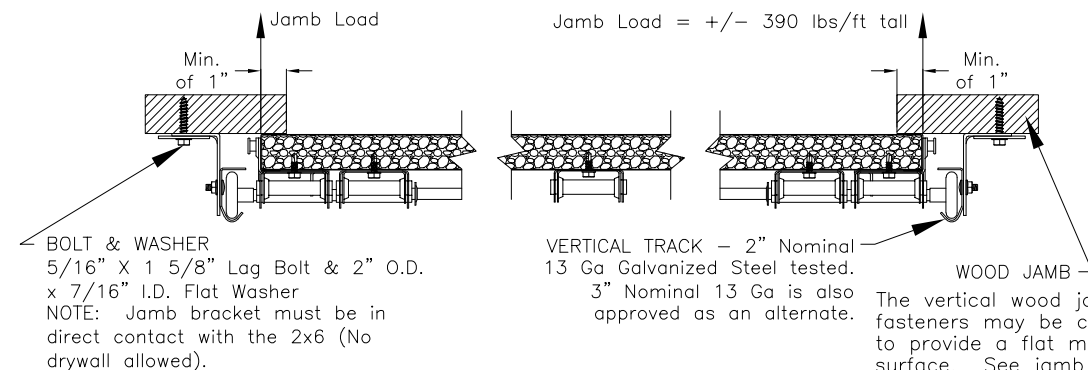


NOTE: Details on some views omitted for clarity.



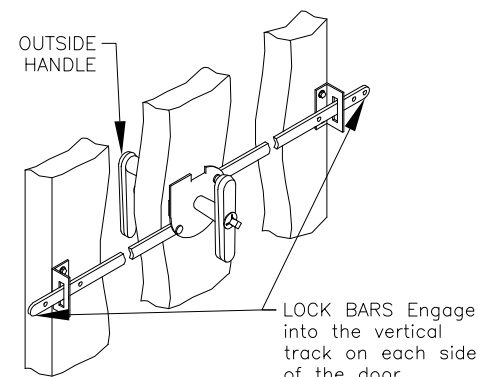
John E. Scates, P.E.  
8811 Teel Pkwy Ste 100 #5175  
Frisco, Texas 75036  
Florida P.E. # 51737

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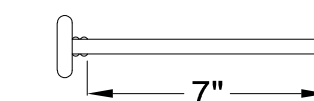
VERTICAL TRACK – 2" Nominal  
13 Ga Galvanized Steel tested.  
3" Nominal 13 Ga is also  
approved as an alternate.

The vertical wood jamb fasteners may be counter sunk to provide a flat mounting surface. See jamb attachment details on sheet 3 for attaching jambs to the structure.



### DETAIL J

### Alternate Lock Configuration



## ROLLER

(FOR DOUBLE HARDWARE)  
2" Diameter Nominal  
Eleven Ball Nylon or Ten  
Ball Steel with a Minimum  
Workable Shaft Length  
Shown.

## IMPACT RESISTANT

FL #17430.2



320 Sycamore  
Wauseon, Ohio 43567  
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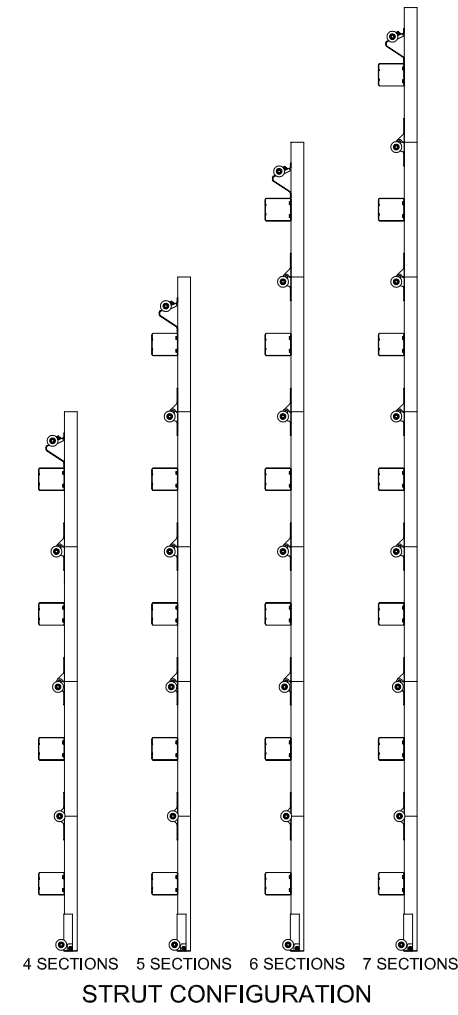
|   |              |
|---|--------------|
| 1 | DESCRIPTION: |
|---|--------------|

16' 2" HT 600, 700, 2000, 800 & 9000 SERIES  
HVHZ WIND LOAD SECTIONAL DOOR  
DESIGN PRESSURE +48.0/-52.0 PSF

|                                               |               |
|-----------------------------------------------|---------------|
| <b>DRAWING NO.:</b> WL-0600-0194-08-48-52HVHZ | <b>REV.</b> H |
|-----------------------------------------------|---------------|

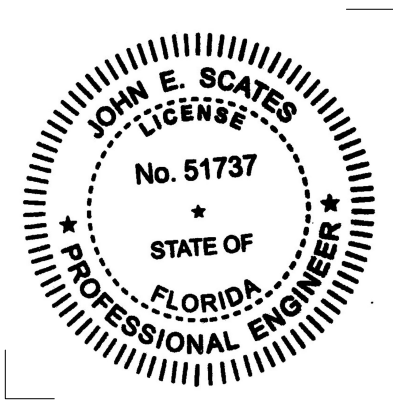
|                      |                            |                          |
|----------------------|----------------------------|--------------------------|
| <b>DRAWN BY:</b> MVS | <b>DATE DRAWN:</b> 12/1/14 | <b>REV. DATE:</b> 1/20/2 |
|----------------------|----------------------------|--------------------------|

|                              |                    |
|------------------------------|--------------------|
| <b>MODEL(S):</b> See Sheet 3 | <b>SHEET: 2 OF</b> |
|------------------------------|--------------------|



| MODEL NUMBERS AVAILABLE |
|-------------------------|
| HT _14 & 2_14 SERIES    |
| HT _16 & 2_16 SERIES    |
| HT _32 & 2_32 SERIES    |
| HT _33 & 2_33 SERIES    |
| HT _10 & 2_10SERIES     |
| HT _12 & 2_12 SERIES    |
| HT _60 & 2_60 SERIES    |
| HT _61 & 2_61 SERIES    |
| HT _63 & 2_63 SERIES    |
| HT _64 & 2_64 SERIES    |
| HT _70 & 2_70 SERIES    |
| HT _71 & 2_71 SERIES    |
| HT _72 & 2_72 SERIES    |
| HT _73 & 2_73 SERIES    |
| HT _74 & 2_74 SERIES    |
| HT _80 & 2_80 SERIES    |
| HT _81 & 2_81 SERIES    |
| HT _82 & 2_82 SERIES    |
| HT _90 & 2_90 SERIES    |
| HT 9000 SERIES          |

|                                                                                       |                                                                                                                                        |                            |                           |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------|
|  | <b>DESCRIPTION:</b><br>16' 2" HT 600, 700, 2000, 800 & 9000 SERIES<br>HVHZ WIND LOAD SECTIONAL DOOR<br>DESIGN PRESSURE +48.0/-52.0 PSF |                            |                           |
|                                                                                       | <b>DRAWING NO.:</b> WL-0600-0194-08-48-52HVHZ                                                                                          | <b>REV.</b> H              |                           |
| 320 Sycamore<br>Wauson, Ohio 43567<br>© Copyright 2014                                | <b>DRAWN BY:</b> MVS                                                                                                                   | <b>DATE DRAWN:</b> 12/1/14 | <b>REV. DATE:</b> 1/20/25 |
|                                                                                       | <b>MODEL(S):</b> See Sheet 3                                                                                                           |                            | <b>SHEET: 3 OF 4</b>      |



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REVISIONS

| REV. | ZONE | BY  | DESCRIPTION                       | DATE    |
|------|------|-----|-----------------------------------|---------|
| B    |      | MVS | SEE DRAWING LOG SHEET FOR CHANGES | 6/10/15 |
| C    |      | MVS | SEE DRAWING LOG SHEET FOR CHANGES | 8/9/16  |
| D    |      | MVS | SEE DRAWING LOG SHEET FOR CHANGES | 9/8/17  |
| E    |      | MVS | SEE DRAWING LOG SHEET FOR CHANGES | 7/23/19 |
| F    |      | MVS | SEE DRAWING LOG SHEET FOR CHANGES | 10/7/21 |
| G    |      | MVS | SEE DRAWING LOG SHEET FOR CHANGES | 8/23/23 |
| H    |      | MVS | SEE DRAWING LOG SHEET FOR CHANGES | 1/20/25 |

| DIRECT MOUNTING        |                                                                                            |                                                   |                         |                       |                           |
|------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------|-----------------------|---------------------------|
| Building Substrate     | Fastener Type                                                                              | Minimum Embedment                                 | Minimum Fastener Length | Minimum Edge Distance | Minimum on Center Spacing |
| Southern Pine (SYP)    | 5/16" Dia. Lag Screw w/1-1/8" OD Flat Washer (shall conform to ANSI/ASME standard B18.2.1) | -                                                 | 1-5/8"                  | 1/2"                  | -                         |
| Spruce-Pine-Fur (SPF)  | 5/16" Dia. Lag Screw w/1-1/8" OD Flat Washer (shall conform to ANSI/ASME standard B18.2.1) | -                                                 | 2-1/4"                  | 1/2"                  | -                         |
| Min. 2500 PSI Concrete | 3/8" Dia. Ankr-Tite CCAT w/1-1/8" OD Flat Washer (by Wej-It Fastening Systems)             | 2-3/8"                                            | -                       | 2-1/2"                | 6"                        |
| Min. 2500 PSI Concrete | 1/4" Dia. Tapcon+ by ITW w/1-1/8" OD Flat Washer                                           | 2"                                                | -                       | 2-1/2"                | 5"                        |
| Min. 2500 PSI Concrete | 1/4" Dia. Wedge-Bolt+ by Powers Fasteners w/1-1/8" OD Flat Washer                          | 1-3/4"                                            | -                       | 2-1/2"                | 5"                        |
| Min. 2500 PSI Concrete | 1/4" Dia. Red Head TruBolt wedge anchor by ITW w/1-1/8" OD Flat Washer                     | 1-3/4"                                            | -                       | 2-1/2"                | 5"                        |
| 1/8" GA Steel Minimum  | 5/16"-12 Tek Self-Drilling Screw w/1-1/8" OD Flat Washer                                   | -                                                 | 1"                      | -                     | -                         |
| 3/16" GA Steel         | Fillet Weld                                                                                | See DASMA Technical Data Sheet TDS-161, section G |                         |                       |                           |

Minimum Edge Distance

Buidling Substrate

Fastener/Anchor Type

Minimum Embedment

Direct Mounting Detail

Bracket Mount Shown, Reverse and Continuous Angle Mount, Reverse and Continuous Angle Clip Mount Also Approved As Alternate.

NOTE: Doors are available with jamb brackets or commercial full angle. In either case the the maximum spacing noted on sheet 1 should be maintained for the brackets, clips and fasteners for direct mount.

IMPACT RESISTANT

FL #17430.2

Haas Door

A Notziger Company

320 Sycamore

Wauseon, Ohio 43567

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DESCRIPTION:

16' 2" HT 600, 700, 2000, 800 & 9000 SERIES HVHZ WIND LOAD SECTIONAL DOOR  
DESIGN PRESSURE +48.0/-52.0 PSF

DRAWING NO.: WL-0600-0194-08-48-52HVHZ

REV. H

DRAWN BY: MVS

DATE DRAWN: 12/1/14

REV. DATE: 1/20/25

MODEL(S): See Sheet 3

SHEET: 4 OF 4

JOHN E. SCATES

LICENSE

No. 51737

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STATE OF

FLORIDA

PROFESSIONAL ENGINEER

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