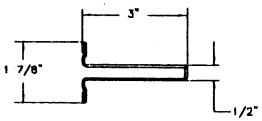
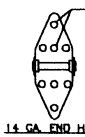
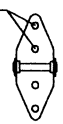
NOTE: THE DOOR MUST BE INSTALLED WITH EITHER AN ELECTRONIC OPERATOR OR A LOCKING DEVICE. EXTENSION SPRING DOORS MUST HAVE A TWO POINT LOCKING DEVICE IF NO OPERATOR IS INSTALLED.




STRUT DETAIL

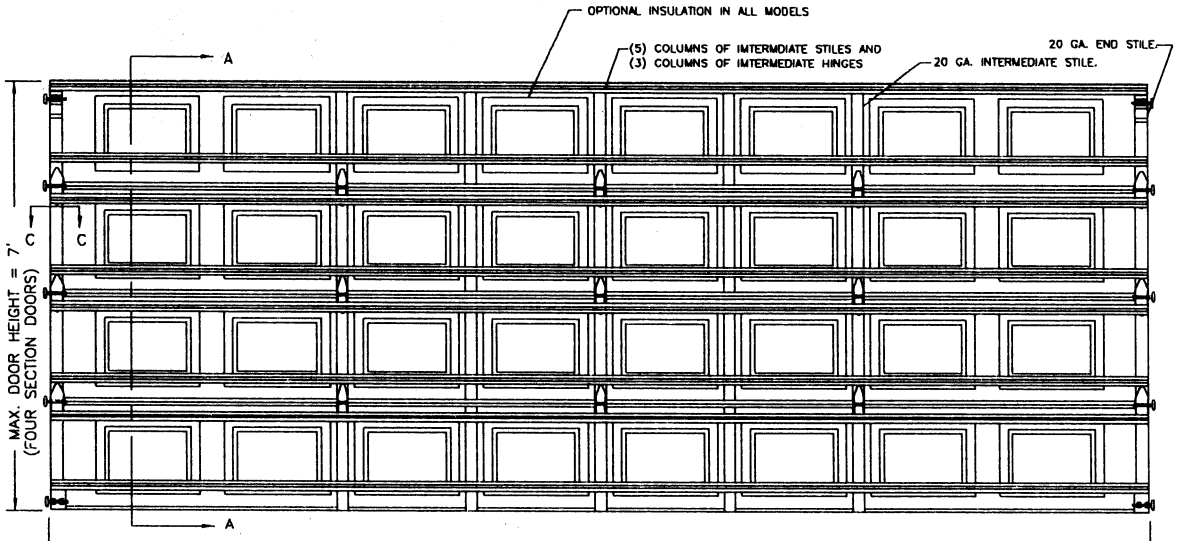



14 GA. END HINGE

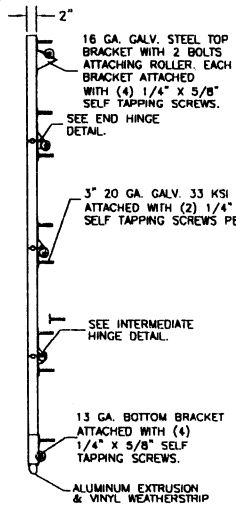


16 GA. INTERMEDIATE HINGE

| REVISIONS | | | | |
|---|---|---|---|---|
| ZONE | REV | DESCRIPTION | DATE | APPROVED |
| | A | ADDED (2) STRUTS | 1/31/07 | ABL |
| | B | CHANGED CENTER HINGES TO 16 GAUGE | 2/26/07 | ABL |
| | C | STRUTS ARE 33 KSI, PUSH NUTS ON ROLLERS | 2/27/07 | ABL |
| | D | CHANGED JAMB MATERIAL – ADDED STRUT DETAIL | 2/27/07 | ABL |
| | E | ADDED NOTE ABOUT JAMB ATTACHMENT DRAWINGS | 7/12/07 | ABL |



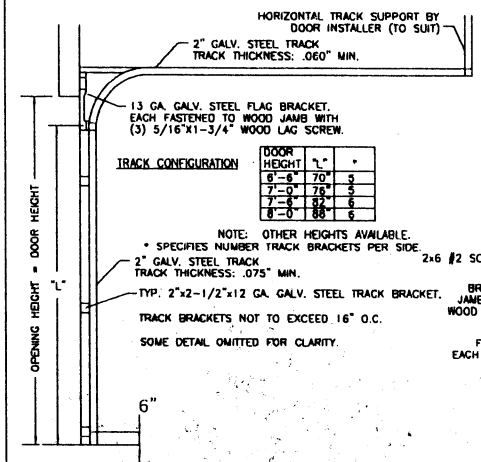

INSIDE ELEVATION




SECTION A–A

| STRUT LOCATIONS | |
|---|---|
| 7' | 8' |
| 4" | 4" |
| 18" | 18" |
| 24" | 24" |
| 39" | 36" |
| 45" | 42" |
| 60" | 54" |
| 66" | 60" |
| 83" | 72" |
| | 78" |
| | 95" |

NOTE: DOORS ARE AVAILABLE TO 12' HIGH IN SOME MODELS AND WIDTHS. REFER TO STRUT AND SECTION LOCATIONS TABLE FOR INFORMATION ON DOOR HEIGHTS NOT LISTED ON THIS DRAWING.

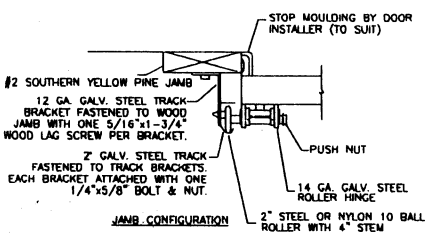



TRACK CONFIGURATION

| DOOR HEIGHT | "L" | * |
|---|---|---|
| 6'–6" | 70" | 5 |
| 7'–0" | 78" | 5 |
| 7'–6" | 82" | 6 |
| 8'–0" | 88" | 6 |

NOTE: OTHER HEIGHTS AVAILABLE.
* SPECIFIES NUMBER TRACK BRACKETS PER SIDE.

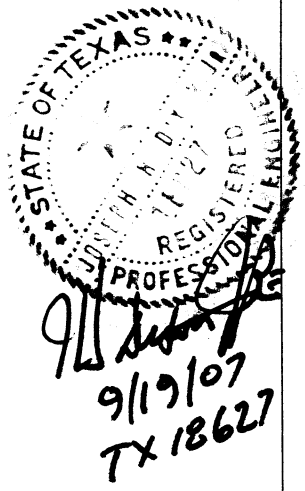
SEE DRAWINGS WL001 AND WL002 FOR ATTACHMENT OF WOOD TO BUILDING STRUCTURE.




JAMB CONFIGURATION

PREPARATION OF JAMBS BY OTHERS
SECTION C–C

NOTE: THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.




DOORS WITH GLAZED SECTIONS ARE NOT QUALIFIED FOR USE IN WIND-BORNE DEBRIS REGIONS

MODELS: 250, 240
DESIGN PRESSURE +25.6/-28.5 PSF TEST PRESSURE +38.4/-42.75 PSF

TESTED PER THE APPLICABLE REQUIREMENTS OF ANSI/DASMA 108-2002

Ankmar Door Manufacturing Co., Inc.
4600 Kansas Ave.
KANSAS CITY, KANSAS 66106-1127

TITLE
WIND LOAD RATED RESIDENTIAL DOOR

| DRAWN BY | SIZE | FSCM NO. | DWG NO. | REV |
|---|---|---|---|---|
| ABL 12/11/06 | B | | RES-OB-16-25A | E |
| APPROVED ABL 12/11/06 | SCALE N/A | | SHEET 1 OF 1 | |

**Ankmar Door**
**Test: CTLA 1622W-1**
**Ref No. 27001A**

**Drawing No. RES-OB-16-25A**

*Joseph H. Dixon, Jr. P.E.*
**FL No. 7768**
**03/26/07**

# MODEL 250, 240 SECTION ARRANGEMENTS AND STRUT LOCATIONS
## +25.6 / -28.5 PSF (130 MPH EXPOSURE CATEGORY B)

| DOOR HEIGHT | #1 SECT | #2 SECT | #3 SECT | #4 SECT | #5 SECT | #6 SECT | #7 SECT | #8 SECT | STRUT LOCATIONS #1 STRUT | #2 STRUT | #3 STRUT | #4 STRUT | #5 STRUT | #6 STRUT | #7 STRUT | #8 STRUT | #9 STRUT | #10 STRUT | #11 STRUT | #12 STRUT | #13 STRUT | #14 STRUT | #15 STRUT | #16 STRUT | NO. of TRACK BRKTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 - 0 | 18 | 18 | 18 | 18 | | | | | 4 | 15 | 21 | 33 | 39 | 51 | 57 | 71 | | | | | | | | | 5 |
| 6 - 3 | 21 | 18 | 18 | 18 | | | | | 4 | 18 | 24 | 36 | 42 | 54 | 60 | 74 | | | | | | | | | 5 |
| 6 - 6 | 21 | 18 | 18 | 21 | | | | | 4 | 18 | 24 | 36 | 42 | 54 | 60 | 77 | | | | | | | | | 5 |
| 6 - 9 | 21 | 21 | 18 | 21 | | | | | 4 | 18 | 24 | 39 | 45 | 57 | 63 | 80 | | | | | | | | | 5 |
| 7 - 0 | 21 | 21 | 21 | 21 | | | | | 4 | 18 | 24 | 39 | 45 | 60 | 66 | 83 | | | | | | | | | 5 |
| 7 - 6 | 18 | 18 | 18 | 18 | 18 | | | | 4 | 15 | 21 | 33 | 39 | 51 | 57 | 69 | 75 | 89 | | | | | | | 6 |
| 7 - 9 | 21 | 18 | 18 | 18 | 18 | | | | 4 | 18 | 24 | 36 | 42 | 54 | 60 | 72 | 78 | 92 | | | | | | | 6 |
| 8 - 0 | 21 | 18 | 18 | 18 | 21 | | | | 4 | 18 | 24 | 36 | 42 | 54 | 60 | 72 | 78 | 95 | | | | | | | 6 |
| 8 - 3 | 21 | 21 | 18 | 18 | 21 | | | | 4 | 18 | 24 | 39 | 45 | 57 | 63 | 75 | 81 | 98 | | | | | | | 6 |
| 8 - 6 | 21 | 21 | 21 | 18 | 21 | | | | 4 | 18 | 24 | 39 | 45 | 60 | 66 | 78 | 84 | 101 | | | | | | | 7 |
| 8 - 9 | 21 | 21 | 21 | 21 | 21 | | | | 4 | 18 | 24 | 39 | 45 | 60 | 66 | 81 | 87 | 104 | | | | | | | 7 |
| 9 - 0 | 18 | 18 | 18 | 18 | 18 | 18 | | | 4 | 15 | 21 | 33 | 39 | 51 | 57 | 69 | 75 | 87 | 93 | 107 | | | | | 7 |
| 9 - 3 | 21 | 18 | 18 | 18 | 18 | 18 | | | 4 | 18 | 24 | 36 | 42 | 54 | 60 | 72 | 78 | 90 | 96 | 110 | | | | | 7 |
| 9 - 6 | 21 | 18 | 18 | 18 | 18 | 21 | | | 4 | 18 | 24 | 36 | 42 | 54 | 60 | 72 | 78 | 90 | 96 | 113 | | | | | 7 |
| 9 - 9 | 21 | 21 | 18 | 18 | 18 | 21 | | | 4 | 18 | 24 | 39 | 45 | 57 | 63 | 75 | 81 | 93 | 99 | 116 | | | | | 7 |
| 10 - 0 | 21 | 21 | 21 | 18 | 18 | 21 | | | 4 | 18 | 24 | 39 | 45 | 60 | 66 | 78 | 84 | 96 | 102 | 119 | | | | | 8 |
| 10 - 3 | 21 | 21 | 21 | 21 | 18 | 21 | | | 4 | 18 | 24 | 39 | 45 | 60 | 66 | 81 | 87 | 99 | 105 | 122 | | | | | 8 |
| 10 - 6 | 21 | 21 | 21 | 21 | 21 | 21 | | | 4 | 18 | 24 | 39 | 45 | 60 | 66 | 81 | 87 | 102 | 108 | 125 | | | | | 8 |
| 10 - 9 | 21 | 18 | 18 | 18 | 18 | 18 | 18 | | 4 | 18 | 24 | 36 | 42 | 54 | 60 | 72 | 78 | 90 | 96 | 108 | 114 | 128 | | | 8 |
| 11 - 0 | 21 | 18 | 18 | 18 | 18 | 18 | 21 | | 4 | 18 | 24 | 36 | 42 | 54 | 60 | 72 | 78 | 90 | 96 | 108 | 114 | 131 | | | 8 |
| 11 - 3 | 21 | 21 | 18 | 18 | 18 | 18 | 21 | | 4 | 18 | 24 | 39 | 45 | 57 | 63 | 75 | 81 | 93 | 99 | 111 | 117 | 134 | | | 9 |
| 11 - 6 | 21 | 21 | 21 | 18 | 18 | 18 | 21 | | 4 | 18 | 24 | 39 | 45 | 60 | 66 | 78 | 84 | 96 | 102 | 114 | 120 | 137 | | | 9 |
| 11 - 9 | 21 | 21 | 21 | 21 | 18 | 18 | 21 | | 4 | 18 | 24 | 39 | 45 | 60 | 66 | 81 | 87 | 99 | 105 | 117 | 123 | 140 | | | 9 |
| 12 - 0 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 4 | 15 | 21 | 33 | 39 | 51 | 57 | 69 | 75 | 87 | 93 | 105 | 111 | 123 | 129 | 143 | 9 |
| 12 - 3 | 21 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 4 | 18 | 24 | 36 | 42 | 54 | 60 | 72 | 78 | 90 | 96 | 108 | 114 | 126 | 132 | 146 | 9 |
| 12 - 6 | 21 | 18 | 18 | 18 | 18 | 18 | 18 | 21 | 4 | 18 | 24 | 36 | 42 | 54 | 60 | 72 | 78 | 90 | 96 | 108 | 114 | 126 | 132 | 149 | 9 |
| 12 - 9 | 21 | 21 | 18 | 18 | 18 | 18 | 18 | 21 | 4 | 18 | 24 | 39 | 45 | 57 | 63 | 75 | 81 | 93 | 99 | 111 | 117 | 129 | 135 | 152 | 10 |
| 13 - 0 | 21 | 21 | 21 | 18 | 18 | 18 | 18 | 21 | 4 | 18 | 24 | 39 | 45 | 60 | 66 | 78 | 84 | 96 | 102 | 114 | 120 | 132 | 138 | 155 | 10 |
| 13 - 3 | 21 | 21 | 21 | 21 | 18 | 18 | 18 | 21 | 4 | 18 | 24 | 39 | 45 | 60 | 66 | 81 | 87 | 99 | 105 | 117 | 123 | 135 | 141 | 158 | 10 |
| 13 - 6 | 21 | 21 | 21 | 21 | 21 | 18 | 18 | 21 | 4 | 18 | 24 | 39 | 45 | 60 | 66 | 81 | 87 | 102 | 108 | 120 | 126 | 138 | 144 | 161 | 10 |
| 13 - 9 | 21 | 21 | 21 | 21 | 21 | 21 | 18 | 21 | 4 | 18 | 24 | 39 | 45 | 60 | 66 | 81 | 87 | 102 | 108 | 123 | 129 | 141 | 147 | 164 | 10 |
| 14 - 0 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 4 | 18 | 24 | 39 | 45 | 60 | 66 | 81 | 87 | 102 | 108 | 123 | 129 | 144 | 150 | 167 | 10 |

STATE OF TEXAS
JOSEPH H. DIXON, JR.
18627
REGISTERED
PROFESSIONAL ENGINEER

9/19/07
TX 18627