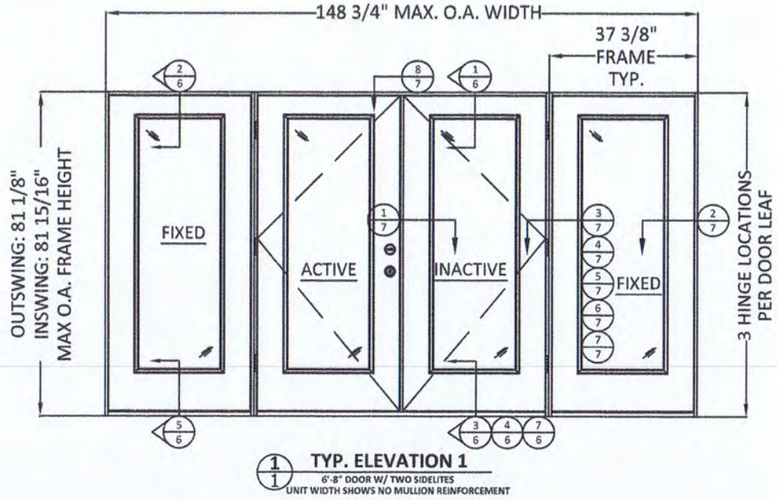
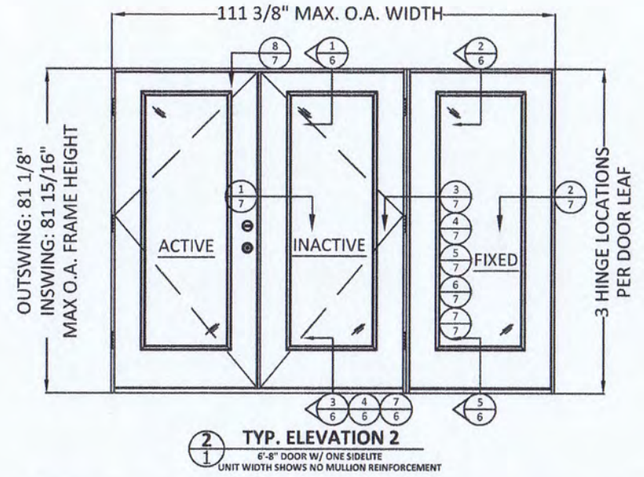
JELD-WEN WINDOWS & DOORS

# *DESIGN PRO / SMOOTH PRO FULL LITE IMPACT APPROVED*




1/1 **TYP. ELEVATION 1**
6'-8" DOOR W/ TWO SIDELITES
UNIT WIDTH SHOWS NO MULLION REINFORCEMENT




2/1 **TYP. ELEVATION 2**
6'-8" DOOR W/ ONE SIDELITE
UNIT WIDTH SHOWS NO MULLION REINFORCEMENT

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT INTERNATIONAL RESIDENTIAL CODE (IRC), INTERNATIONAL BUILDING CODE (IBC), AND TEXAS REVISIONS, AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
   - ASTM E283-04
   - ASTM E330-02
   - ASTM E1886-05
   - ASTM E1996-06
   - AAMA 1304-02
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY OR 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
4. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE FOR WIND ZONE 3 OR LESS.
5. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAILS.
6. FULL LITE APPROVAL COVERS USE OF FRACTIONAL GLAZING, INCLUDING INTERNAL GRID, BLINDS BETWEEN GLASS, DECORATIVE AND EXTERNAL WROUGHT IRON. RADIUS (SHAPED) LITES ARE QUALIFIED FOR 6'-8" DOORS AT DP +/-50 PSF ONLY.
7. NOTE: OPERATING AFCO H-497 SILL MEETS WATER INFILTRATION AT WATER TEST PRESSURE (WTP) OF 9.0 PSF. FIXED SIDELITE MEETS WATER INFILTRATION AT WTP OF 7.5 PSF. REMAINING SILLS NOT RATED FOR WATER INFILTRATION. IF AUTHORITY HAVING JURISDICTION REQUIRES THAT PRODUCT MEETS THIS REQUIREMENT, PRODUCT SHALL BE USED WHEN INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG (OH) RATIO = OH LENGTH ÷ OH HEIGHT IS ≥ 1.0

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| CONFIGURATION | MAX. OVERALL NOMINAL SIZE | | DESIGN PRESSURE (PSF) | | | | | | | | MISSILE IMPACT RATING |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FINGER-JOINTED PINE | | | | ALL OTHER MATERIALS | | | | |
| | WIDTH | HEIGHT | INSWING | | OUTSWING | | INSWING | | OUTSWING | | |
| | | | POS. | NEG. | POS. | NEG. | POS. | NEG. | POS. | NEG. | |
| O,XX,O | 12'-0" | 6'-8" | 50* | 50 | 50* | 50 | 50* | 50 | 50* | 50 | LMI & SMI |
| O,XX,O RADIUS | 12'-0" | 6'-8" | 50* | 50 | 50* | 50 | 50* | 50 | 50* | 50 | LMI & SMI |
| O,XX,O | 12'-0" | 8'-0" | 45* | 45 | 45* | 45 | 45* | 45 | 45* | 45 | LMI & SMI |
| XX,O | 9'-0" | 6'-8" | 50* | 50 | 50* | 50 | 50* | 50 | 50* | 50 | LMI & SMI |
| XX,O RADIUS | 9'-0" | 6'-8" | 50* | 50 | 50* | 50 | 50* | 50 | 50* | 50 | LMI & SMI |
| XX,O | 9'-0" | 8'-0" | 45* | 45 | 45* | 45 | 45* | 45 | 45* | 45 | LMI & SMI |

*SEE GENERAL NOTE 7, SHEET 1, FOR WATER INFILTRATION APPROVED SILLS.

NOTES:
1. INACTIVE AND ACTIVE DOOR PANEL ORIENTATION IS INTERCHANGEABLE.
2. SIDELITE MAY BE USED IN LIEU OF DOOR IN CONFIGURATIONS SHOWN ABOVE AS LONG AS O.A. DIMENSIONS ARE NOT SURPASSED.


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DANIA BEACH, FL 33004
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TITLE: *DESIGN PRO/SMOOTH PRO FULL LITE IMPACT APPROVED*
TYPICAL ELEVATIONS, DESIGN PRESSURES, AND GENERAL NOTES


3737 LAKEPORT BLVD.,
KLAMATH FALLS, OR 97601
PH: (541)882-3451
FAX: (541)850-2609


JELD-WEN WINDOWS & DOORS

| REMARKS | BY | DATE |
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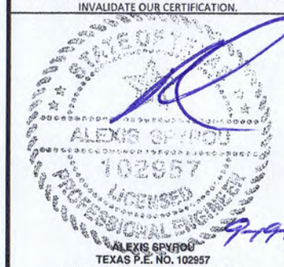
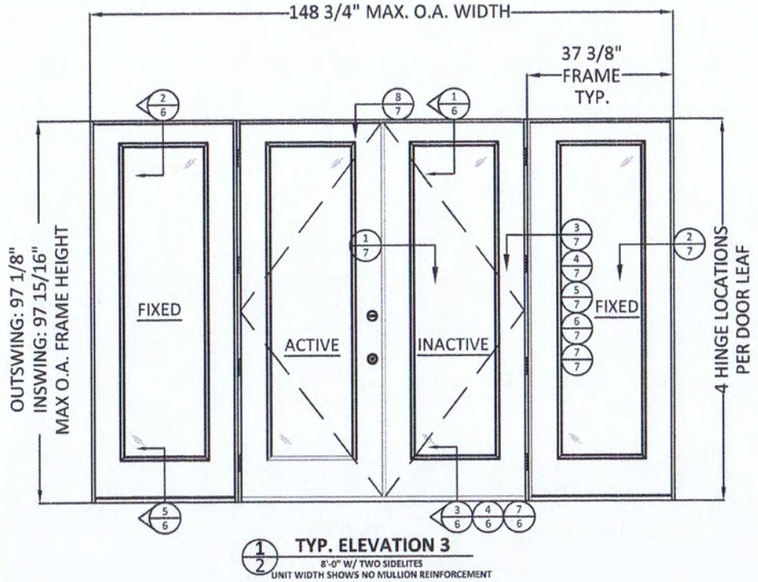
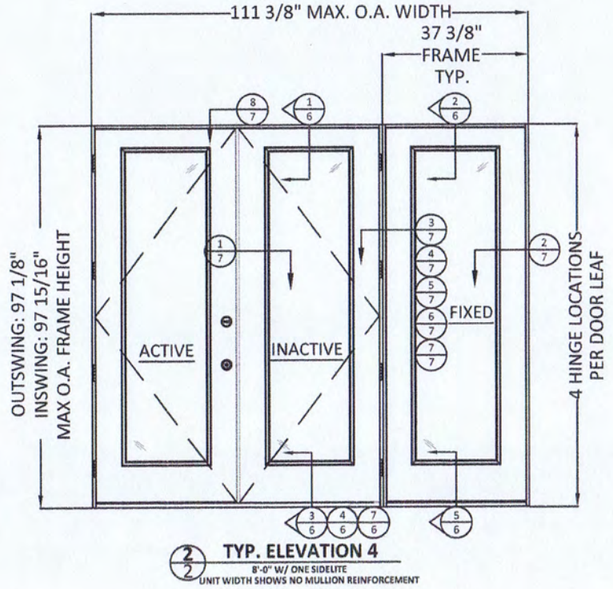



ALEXIS SPYROU
TEXAS P.E. NO. 102957
398 DANIA BEACH BLVD. STE. 338
DANIA BEACH, FL 33004
TBPE FIRM NO. 13734

DATE: 07.10.14
DWG. BY: GL
CHK. BY: SS
SCALE: NTS
DWG. #: A010931
SHEET: 1 OF 10




**1/2 TYP. ELEVATION 3**
8'-0" W/ TWO SIDELITES
UNIT WIDTH SHOWS NO MULLION REINFORCEMENT




**2/2 TYP. ELEVATION 4**
8'-0" W/ ONE SIDELITE
UNIT WIDTH SHOWS NO MULLION REINFORCEMENT

NOTES:
1. INACTIVE AND ACTIVE DOOR PANEL ORIENTATION IS INTERCHANGEABLE.
2. SIDELITE MAY BE USED IN LIEU OF DOOR IN CONFIGURATIONS SHOWN ABOVE AS LONG AS O.A. DIMENSIONS ARE NOT SURPASSED.

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TITLE: *DESIGN PRO/SMOOTH PRO FULL LITE*
*IMPACT APPROVED*
ELEVATIONS

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JELD-WEN WINDOWS & DOORS

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STATE OF TEXAS
ALEXIS SPYROU
102957
LICENSED
PROFESSIONAL ENGINEER

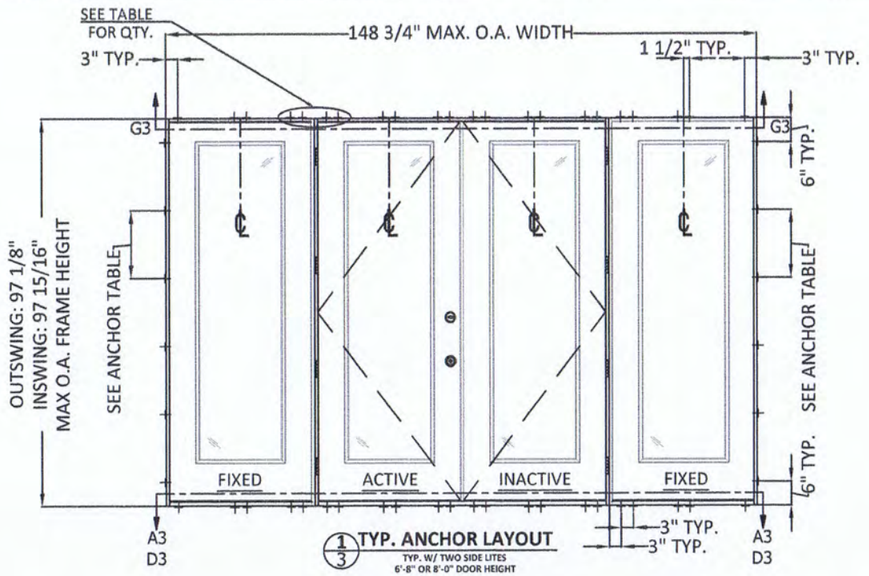
ALEXIS SPYROU
TEXAS P.E. NO. 102957
398 DANIA BEACH BLVD. STE. 338
DANIA BEACH, FL 33004
TBPE FIRM NO. 13734

DATE: 07.10.14
DWG. BY: GL
CHK. BY: SS
SCALE: NTS
DWG. #: A010931
SHEET: OF10
2

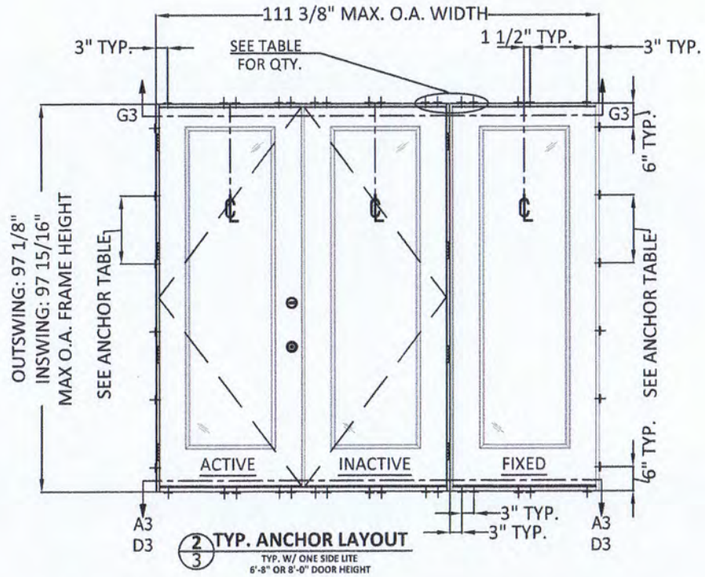
INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
3. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
4. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING, AND SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
6. FOR 2X STUD CONSTRUCTION, ANCHORING OF THESE PRODUCTS SHALL BE THE SAME AS FOR 2X BUCK CONCRETE/MASONRY CONSTRUCTION.
7. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
   A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42.
   B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
   C. GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
   D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
8. SEE SHEETS 8 AND 9 FOR MORE DETAILS OF THE INSTALLATION REQUIREMENTS, INCLUDING ANCHOR LOCATIONS, EDGE DISTANCES, EMBEDMENTS, AND SHIM SPACING.
9. OPTIONALLY, ANCHORS CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.

| ANCHOR TABLE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ANCHOR TYPE | ANCHOR SIZE | SUBSTRATE | MIN. EMBEDMENT | MIN. EDGE DISTANCE | 6'8" DOORS | | 8'0" DOORS | |
| | | | | | MAX. O.C. SPACING AT JAMBS | # OF ANCHORS AT HEAD/SILL CLUSTERS | MAX. O.C. SPACING AT JAMBS | # OF ANCHORS AT HEAD/SILL CLUSTERS |
| WOOD SCREW | #10 | 2X WOOD BUCK OR FRAMING | 1-1/2" | 3/4" | 17-1/2" | 4 | 17-1/4" | 4 |
| ITW TAPCON | 3/16" | CONCRETE/CMU | 1-1/4" | 2-1/2" | 17-1/2" | 4 | 17-1/4" | 4 |
| ELCO ULTRACON | 1/4" | CONCRETE/CMU | 1-3/8" - CONC. 1-1/4" - CMU | 1" | 17-1/2" | 4 | 17-1/4" | 4 |
| ITW TAPCON | 3/16" | CONCRETE/CMU | 1-1/4" | 1" | 11-5/8" | 8 | 14-3/8" | 6 |




1/3 TYP. ANCHOR LAYOUT
TYP. W/ TWO SIDE LITES
6'-8" OR 8'-0" DOOR HEIGHT




2/3 TYP. ANCHOR LAYOUT
TYP. W/ ONE SIDE LITE
6'-8" OR 8'-0" DOOR HEIGHT

NOTES:
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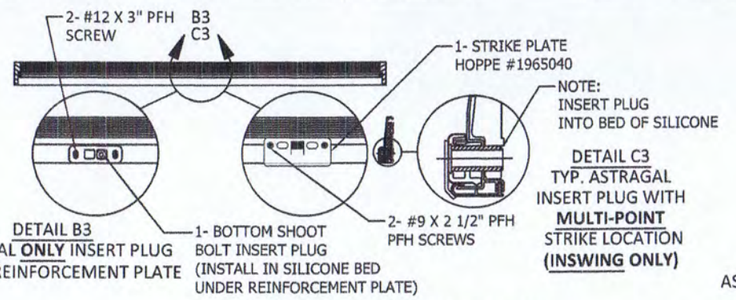
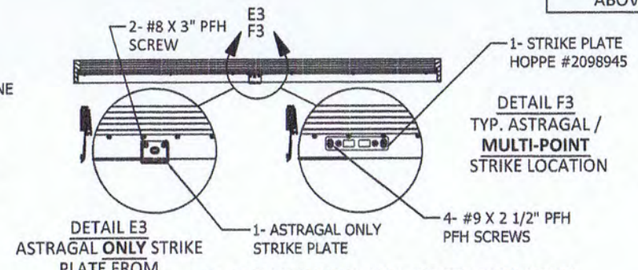
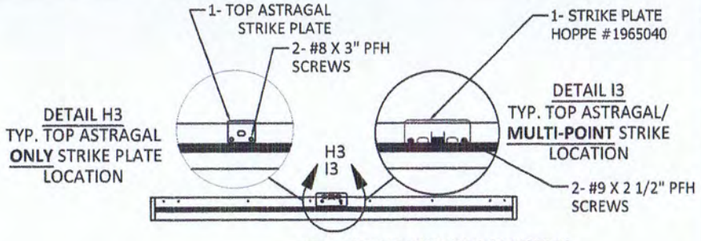



A/3 INSWING SILL SECTION VIEW
SEE DETAIL B3 OR C3 ABOVE




D/3 OUTSWING SILL SECTION VIEW
SEE DETAIL E3 OR F3 ABOVE




G/3 HEAD SECTION VIEW
INSWING SHOWN OUTSWING SIMILAR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TITLE: *DESIGN PRO/SMOOTH PRO FULL LITE IMPACT APPROVED*

# TYPICAL ANCHOR LAYOUTS AND NOTES


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STATE OF TEXAS
ALEXIS SPYROU
102957
LICENSED
PROFESSIONAL ENGINEER
ALEXIS SPYROU
TEXAS P.E. NO. 102957
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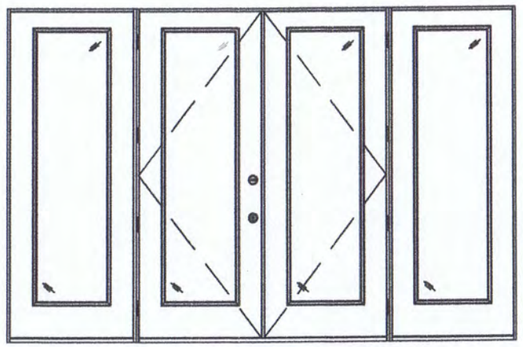
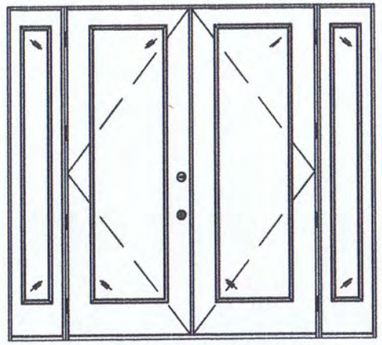
DANIA BEACH, FL 33004
TBPE FIRM NO. 13734

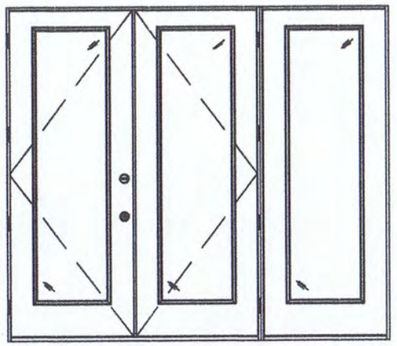
DATE: 07.10.14
DWG. BY: GL
CHK. BY: SS
SCALE: NTS
DWG. #: A010931
SHEET: 3 OF 10



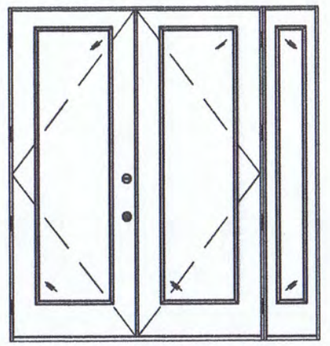
1/4 O,XX,O ELEVATION
WITH 3'0" SIDELITES



2/4 O,XX,O ELEVATION
WITH 1'3" SIDELITES

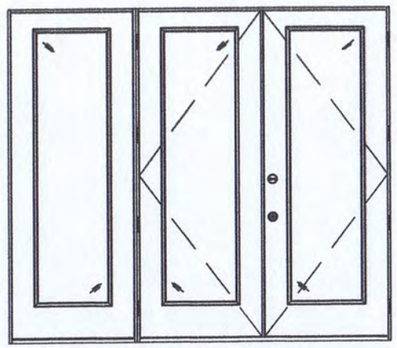


3/4 XX,O ELEVATION
WITH 3'0" SIDELITE

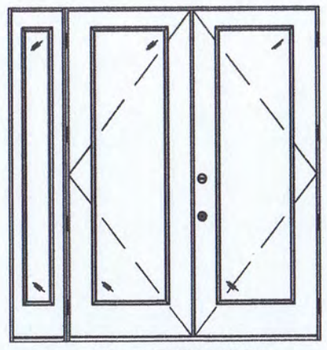


4/4 XX,O ELEVATION
WITH 1'3" SIDELITE

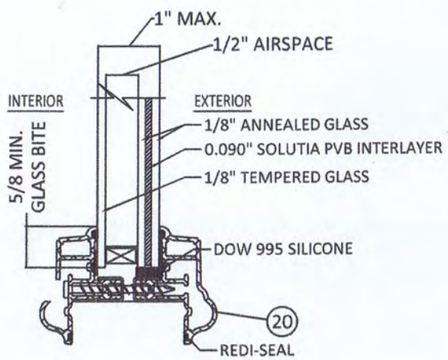
NOTES:
1. INACTIVE AND ACTIVE DOOR PANEL ORIENTATION IS INTERCHANGEABLE.
2. SIDELITE MAY BE USED IN LIEU OF DOOR IN CONFIGURATIONS SHOWN ABOVE AS LONG AS O.A. DIMENSIONS ARE NOT SURPASSED.



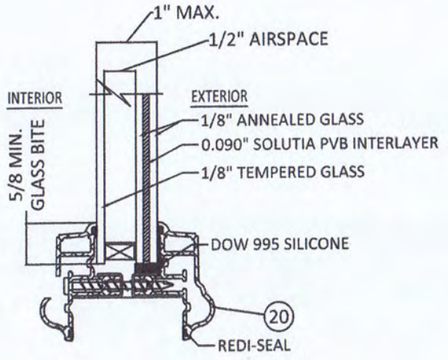
5/4 XX,O ELEVATION
WITH 3'0" SIDELITE



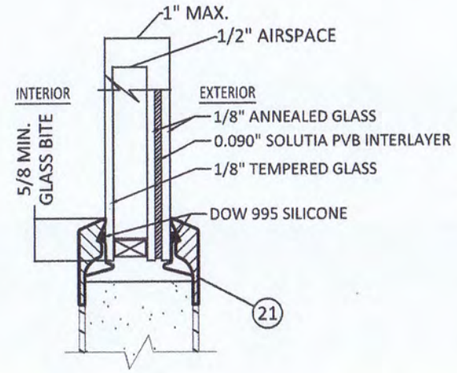
6/4 XX,O ELEVATION
WITH 1'3" SIDELITE



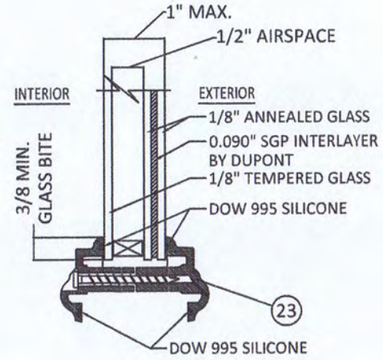

7/4 6'-8" GLAZING DETAIL
20 1/2" MAX. D.L.O. WIDTH
62 1/2" MAX. D.L.O. HEIGHT




8/4 8'-0" GLAZING DETAIL
20 1/2" MAX. D.L.O. WIDTH
78 1/2" MAX. D.L.O. HEIGHT




9/4 FLUSH GLAZE DETAIL
23 7/8" MAX. D.L.O. WIDTH
78 7/8" MAX. D.L.O. HEIGHT




10/4 GLAZING DETAIL
FOR OVAL, SUNBURST, AND ROUND TOPS IN 6'8" UNITS AT DP+/- 50 PSF ONLY

NOTE:
FRACTIONAL GLAZING, INCLUDING INTERNAL GRID, BLINDS BETWEEN GLASS, DECORATIVE, EXTERNAL WROUGHT IRON AND RADIUS (SHAPED) LITES ARE APPROVED IN ALL GLAZING DETAILS SHOWN ABOVE.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TITLE: *DESIGN PRO/SMOOTH PRO FULL LITE IMPACT APPROVED*

# QUALIFIED CONFIGURATIONS & GLAZING DETAIL


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STATE OF TEXAS
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102957
LICENSED
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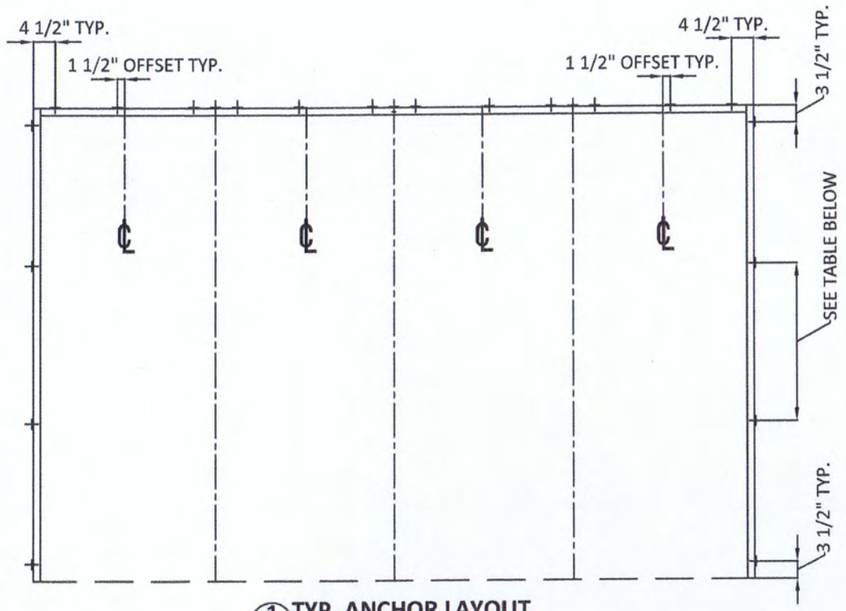
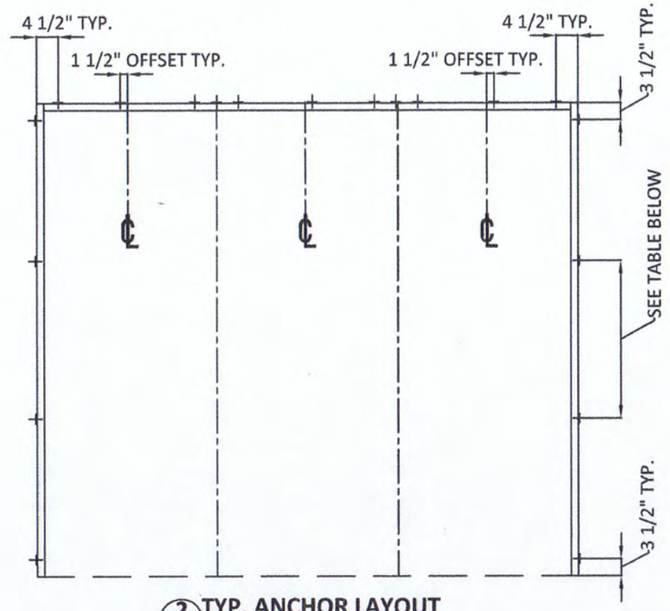
ALEXIS SPYROU, P.E.
TEXAS P.E. NO. 102957
398 DANIA BEACH BLVD. STE. 338
DANIA BEACH, FL 33004
TBPE FIRM NO. 13734

7-19-14

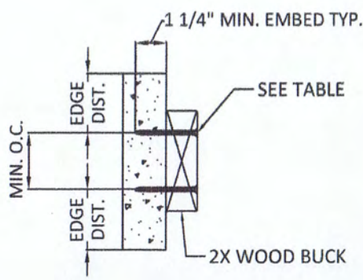
DATE: 07.10.14
DWG. BY: GL
CHK. BY: SS
SCALE: NTS
DWG. #: A010931
SHEET: 4 OF 10



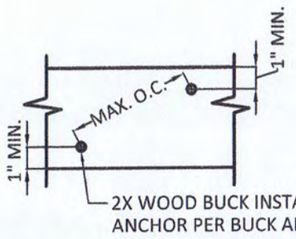

1/5 **TYP. ANCHOR LAYOUT**
OPTIONAL 2X BUCK IN CONCRETE/MASONRY




2/5 **TYP. ANCHOR LAYOUT**
OPTIONAL 2X BUCK IN CONCRETE/MASONRY




3/5 **2X WOOD BUCK INSTALL.**
CROSS SECTION




4/5 **2X WOOD BUCK INSTALL.**
SIDE VIEW

**2X BUCK ANCHOR TABLE**

| ANCHOR TYPE | ANCHOR SIZE | SUBSTRATE | MIN. EMBEDMENT | MIN. EDGE DIST. TO SUBSTRATE | MIN. CENTER TO CENTER DISTANCE | 6'8" DOORS | 8'0" DOORS |
|---|---|---|---|---|---|---|---|
| | | | | | | MAX. O.C. SPACING AT JAMBS | MAX. O.C. SPACING AT JAMBS |
| ITW TAPCON | 1/4" | CONCRETE/CMU | 1-1/4" | 2-1/2" | 4" | 25" | 30-1/4" |
| ELCO ULTRACON | 1/4" | CONCRETE/CMU | 1-3/8" - CONC.<br>1-1/4" - CMU | 1" | 4" | 25" | 30-1/4" |

NOTES:

1. 2X BUCK IS NOT FOR INSTALLATION AT SILL. THRESHOLD SHALL BE FASTENED IN ACCORDANCE WITH ANCHOR LOCATIONS SHOWN ON SHEET 3.
2. ANCHORS MAY BE STAGGERED AS SHOWN IN DETAIL 4/5.


PREPARED BY:

BUILDING DROPS, INC.
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DANIA BEACH, FL 33004
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FAX: (954)744.4738
WEB: www.buildingdrops.com


TITLE: *DESIGN PRO/SMOOTH PRO FULL LITE*
*IMPACT APPROVED*
OPTIONAL 2X BUCK ANCHORING DETAILS


3737 LAKEPORT BLVD.,
KLAMATH FALLS, OR 97601
PH: (541)882-3451
FAX: (541)850-2609


JELD-WEN WINDOWS & DOORS

| REMARKS | BY | DATE |
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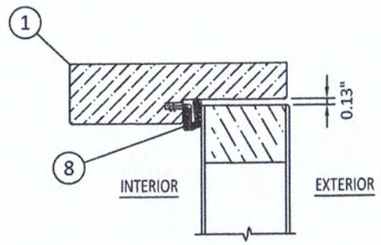
ALEXIS SPYROU
102957
LICENSED
PROFESSIONAL ENGINEER

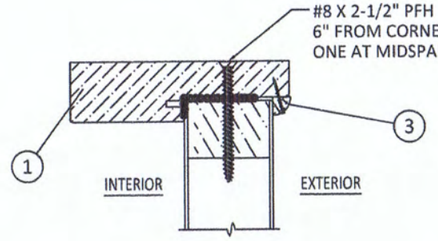

ALEXIS SPYROU
TEXAS P.E. NO. 102957
398 DANIA BEACH BLVD. STE. 338
DANIA BEACH, FL 33004
TBPE FIRM NO. 13734


DATE: 07.10.14
DWG. BY: GL
CHK. BY: SS
SCALE: NTS
DWG. #: A010931
SHEET: OF 10
5



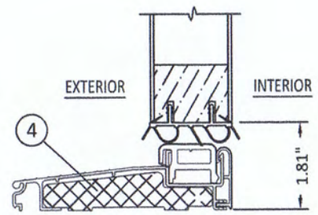

## 1/6 OPERABLE HEAD

OUTSWING SHOWN - INSWING SIMILAR



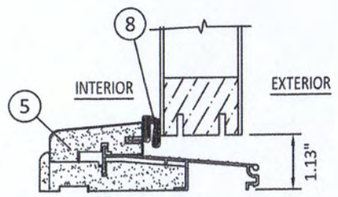

## 2/6 SIDELITE HEAD

OUTSWING SHOWN - INSWING SIMILAR



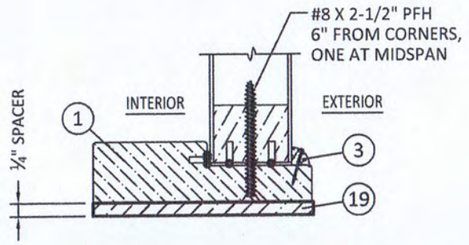

## 3/6 OPERABLE SILL

INSWING
ENDURA ZAIL4565F



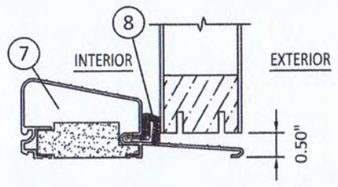

## 4/6 OPERABLE SILL

OUTSWING
AFCO J-2297




## 5/6 SIDELITE SILL

OUTSWING SHOWN - INSWING SIMILAR




## 7/6 OPERABLE SILL

OUTSWING
OPTIONAL AFCO H-497

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VERTICAL ASSEMBLIES

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KLAMATH FALLS, OR 97601
PH: (541)882-3451
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102957
LICENSED
PROFESSIONAL ENGINEER

ALEXIS SPYROU
TEXAS P.E. NO. 102957
398 DANIA BEACH BLVD. STE. 338
DANIA BEACH, FL 33004
TBPE FIRM NO. 13734

DATE: 07.10.14

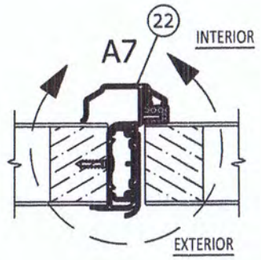
| DWG. BY: | CHK. BY: |
|---|---|
| GL | SS |

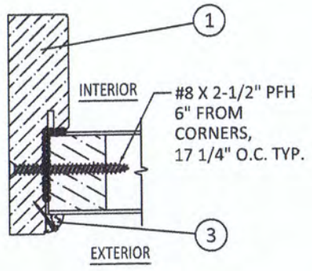
SCALE: NTS

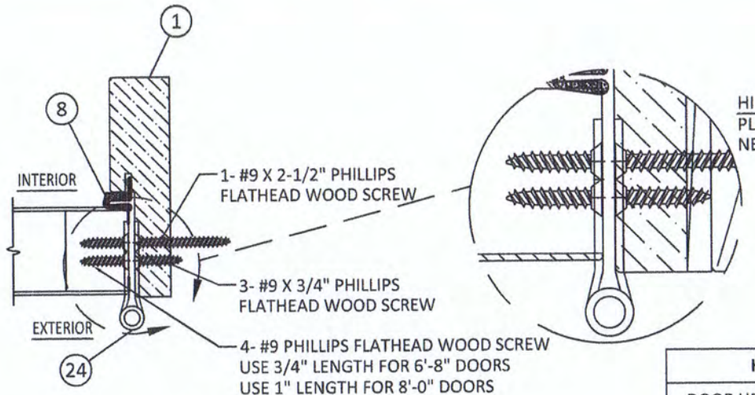
DWG. #: A010931

SHEET: OF 10

6



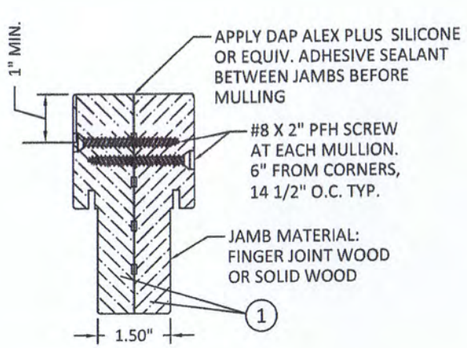



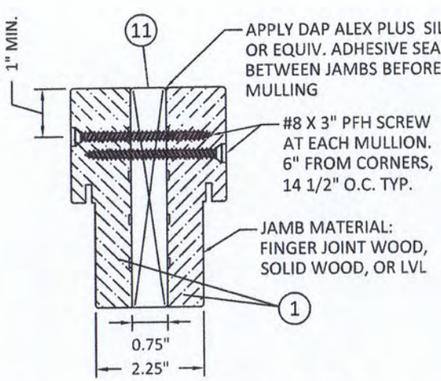

| HINGE SCHEDULE | |
|---|---|
| DOOR HEIGHT | QUANTITY |
| 6'-8" | 3 |
| 8'-0" | 4 |

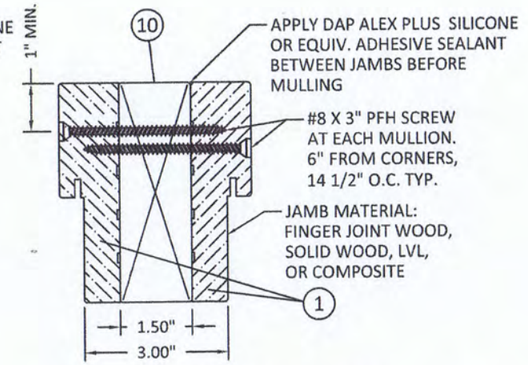
## 1/7 MEETING STILE AT ASTRAGAL
OUTSWING SHOWN - INSWING SIMILAR

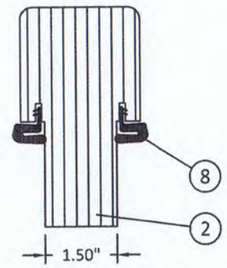
## 2/7 FIXED JAMB
OUTSWING SHOWN - INSWING SIMILAR

## 3/7 HINGE JAMB
OUTSWING SHOWN - INSWING SIMILAR



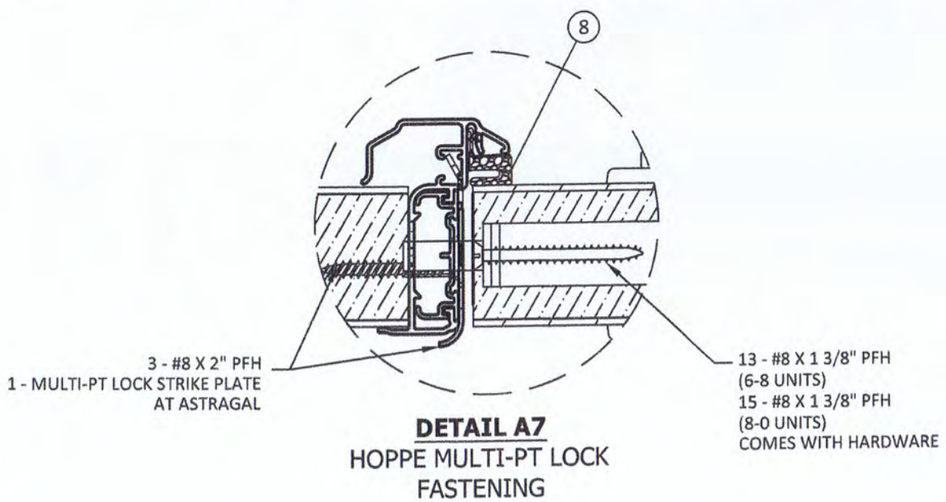

## 4/7 BACK-TO-BACK JAMB
NO MULLION REINFORCEMENT

## 5/7 BACK-TO-BACK JAMB
1X MULLION REINFORCEMENT

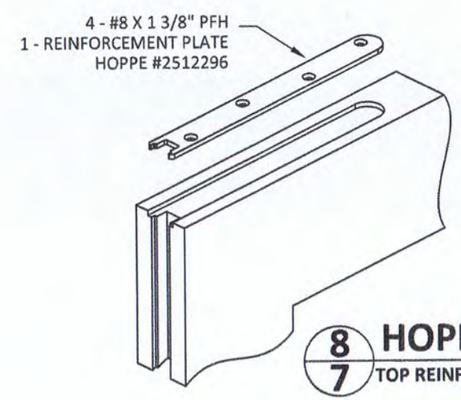
## 6/7 BACK-TO-BACK JAMB
2X MULLION REINFORCEMENT

## 7/7 INTEGRAL MULLION
FOR 6'8" AND 8'0" UNITS

NOTES:
-ALL WOOD FRAME MEMBERS USED IN MULLION ASSEMBLIES ABOVE TO BE PONDEROSA PINE (MIN. S.G. = 0.45) OR GREATER.
-ALL WOOD 1x AND 2x REINFORCEMENTS USED IN MULLION ASSEMBLIES ABOVE TO BE SPRUCE/PINE/FIR (MIN. S.G. = 0.42) OR GREATER.




**DETAIL A7**
HOPPE MULTI-PT LOCK
FASTENING




## 8/7 HOPPE MULTI-POINT LOCK
TOP REINFORCEMENT PLATE - ACTIVE PANEL ONLY

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WEB: www.buildingdrops.com

TITLE: *DESIGN PRO/SMOOTH PRO FULL LITE*
*IMPACT APPROVED*
HORIZONTAL ASSEMBLIES

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TEXAS P.E. NO. 102957
398 DANIA BEACH BLVD. STE. 338
DANIA BEACH, FL 33004
TBPE FIRM NO. 13734

DATE: 07.10.14
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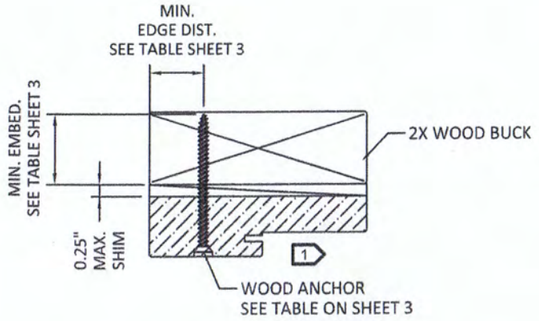
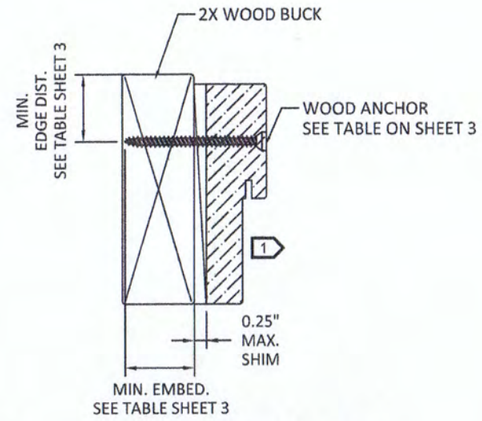
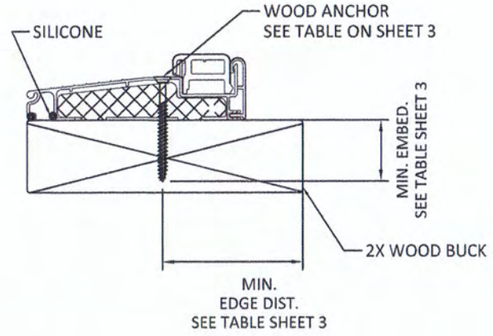
SCALE: NTS
DWG. #: A010931
SHEET: 7 OF 10



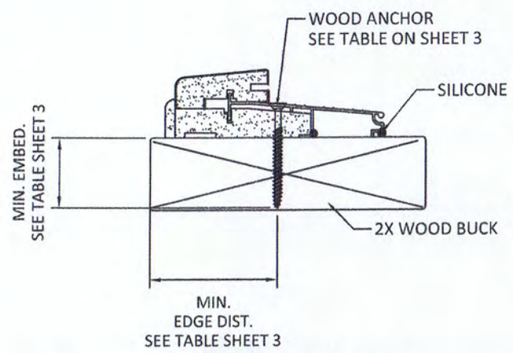

**1/8 HEAD (TYPICAL)**
OUTSWING SHOWN - INSWING SIMILAR



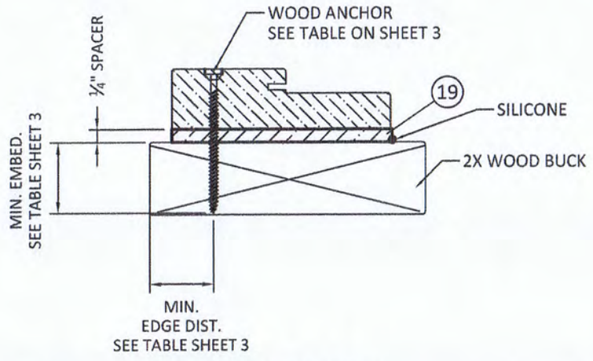

**2/8 JAMB (TYPICAL)**
OUTSWING SHOWN - INSWING SIMILAR



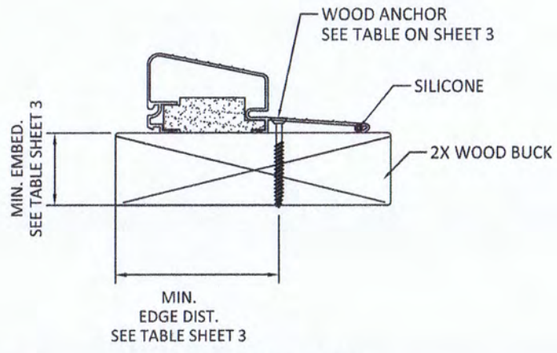

**3/8 OPERABLE SILL**
INSWING
ENDURA ZAIL4565F




**4/8 OPERABLE SILL**
OUTSWING
AFCO J-2297




**5/8 SIDELITE SILL**
OUTSWING SHOWN - INSWING SIMILAR




**7/8 OPERABLE SILL**
HIGH BUMP OUTSWING
AFCO H-497

1 OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.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TITLE: *DESIGN PRO/SMOOTH PRO FULL LITE IMPACT APPROVED*

WOOD SUBSTRATES


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FAX: (541)850-2609


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102957
LICENSED
PROFESSIONAL ENGINEER


ALEXIS SPYROU
TEXAS P.E. NO. 102957
398 DANIA BEACH BLVD. STE. 338
DANIA BEACH, FL 33004
TBPE FIRM NO. 13734


DATE: 07.10.14

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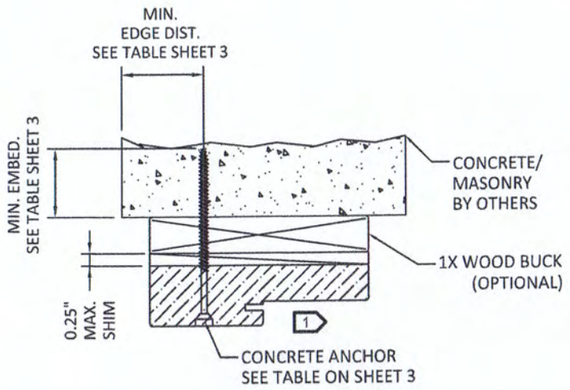
|---|---|
| GL | SS |

SCALE: NTS

DWG. #: A010931

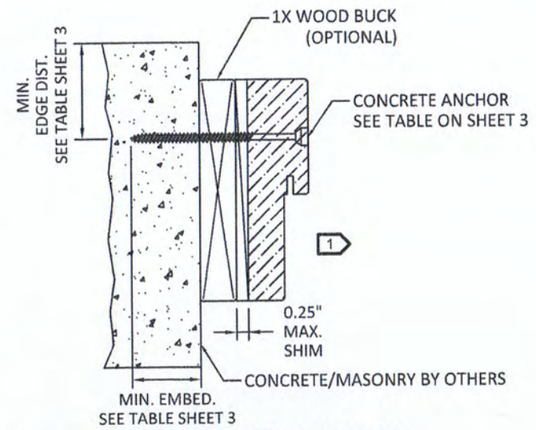
SHEET: OF10

8



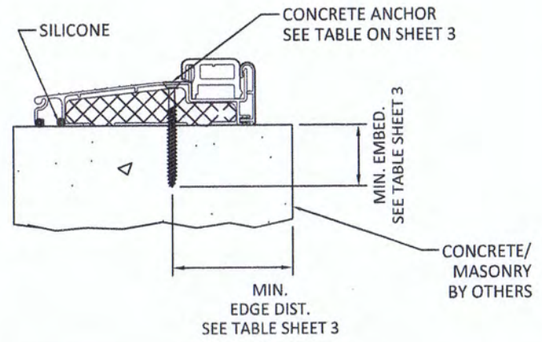

**1/9 HEAD (TYPICAL)**

**OUTSWING SHOWN - INSWING SIMILAR**



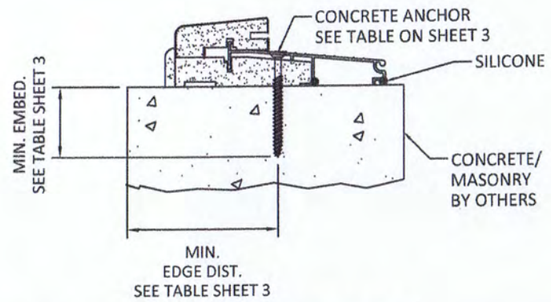

**2/9 JAMB (TYPICAL)**

**OUTSWING SHOWN - INSWING SIMILAR**



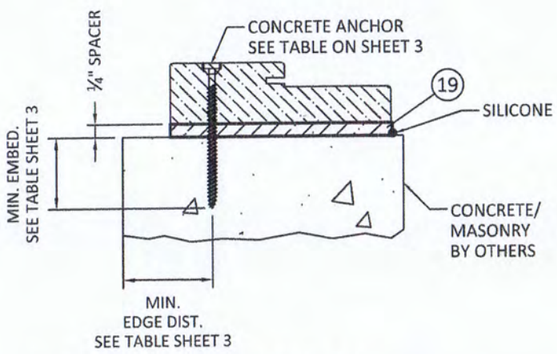

**3/9 OPERABLE SILL**

**INSWING**
**ENDURA ZAIL4565F**



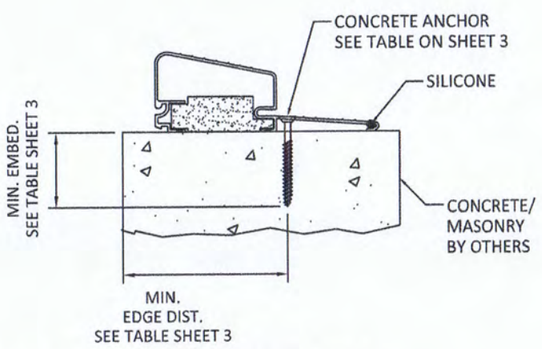

**4/9 OPERABLE SILL**

**OUTSWING**
**AFCO J-2297**




**5/9 SIDELITE SILL**

**OUTSWING SHOWN - INSWING SIMILAR**




**7/9 OPERABLE SILL**

**HIGH BUMP OUTSWING**
**AFCO H-497**

1 OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.

PREPARED BY:

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TITLE: *DESIGN PRO/SMOOTH PRO FULL LITE IMPACT APPROVED*

CONCRETE SUBSTRATES

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PH: (541)882-3451
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STATE OF TEXAS
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102957
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PROFESSIONAL ENGINEER

ALEXIS SPYROU
TEXAS P.E. NO. 102957
398 DANIA BEACH BLVD. STE. 338
DANIA BEACH, FL 33004
TBPE FIRM NO. 13734

DATE: 07.10.14

| DWG. BY: | CHK. BY: |
|---|---|
| GL | SS |

SCALE: NTS

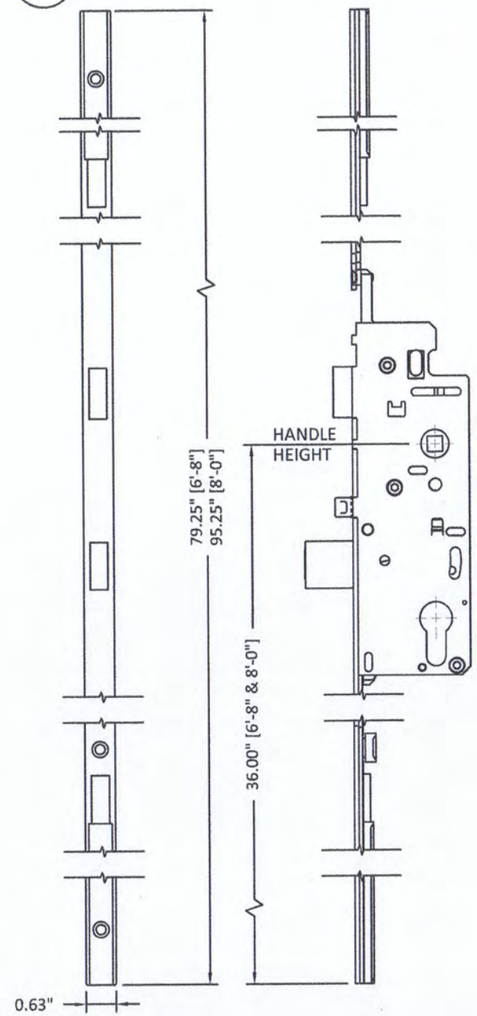
DWG. #: A010931

SHEET: OF 10

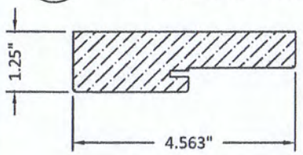
9

| BILL OF MATERIALS | | |
|---|---|---|
| ITEM# | DESCRIPTION | MATERIAL |
| 1 | FRAME HEAD/JAMBS | FINGER-JOINTED PINE |
| | | SOLID PINE |
| | | LAMINATED VENEER LUMBER |
| | | COMPOSITE |
| 2 | INTEGRAL MULL | LAMINATED VENEER LUMBER |
| 3 | SIDELITE STOP | WOOD |
| 4 | ENDURA ZAIL4565F THRESHOLD | - |
| 5 | AFCO J-2297 THRESHOLD | - |
| 6 | *(NOT USED)* | - |
| 7 | AFCO H-497 THRESHOLD | - |
| 8 | WEATHERSTRIP | URETHANE FOAM & POLYETHYLENE |
| 9 | NON-COMPRESSION SHIM (0.25" MAX. THK.) | COMPOSITE |
| 10 | 2X WOOD (S.G. MUST BE 0.42 OR GREATER) | WOOD |
| 11 | 1X WOOD (S.G. MUST BE 0.42 OR GREATER) | WOOD |
| 12 | #10 WOOD INSTALLATION SCREW W/ 1 1/2" MIN. EMBEDMENT | STEEL |
| 13 | CONC./CMU ANCHOR (SEE ANCHOR TABLE SHEETS 3 & 5) | STEEL |
| 14 | *(NOT USED)* | - |
| 15 | KWIKSET LOCK SERIES 400 | STEEL |
| 16 | KWIKSET DEADBOLT SERIES 780 | STEEL |
| 17 | HOPPE MULI-POINT HARDWARE HLS9000 | STEEL |
| 18 | *(NOT USED)* | - |
| 19 | PRESSURE TREATED SILL SPACER USED FOR FIXED PANEL | WOOD |
| 20 | ODL LITE KIT (LMI) | 6063-T6 ALUMINUM |
| 21 | FLUSH GLAZING LEG | FIBERGLASS |
| 22 | ENDURA ASTRAGAL | 6063-T6 ALUMINUM |
| 23 | ODL LIPLITE KIT (RADIUS LITES) | PC ABS |
| 24 | BUTT HINGE (SEE SCHEDULE SHEET 7) | STEEL |

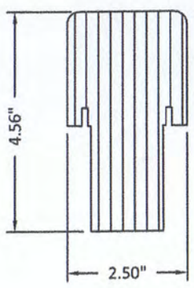
## 17 HOPPE MULT-POINT LOCK



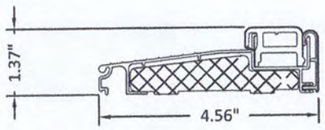

## 1 FRAME HEAD/JAMBS
VARIES, SEE BOM ABOVE



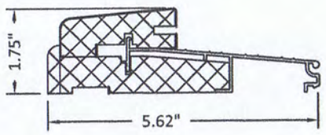

## 2 INTEGRAL MULLION
LAMINATED VENEER LUMBER



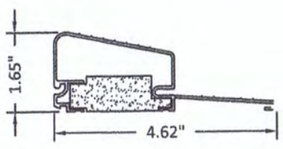

## 4 ENDURA ZAIL4565F THRESHOLD



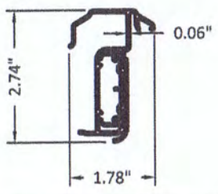

## 5 AFCO J-2297 THRESHOLD




## 7 AFCO H-497 THRESHOLD




## 22 ENDURA ASTRAGAL
ALUMINUM





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ALEXIS SPYROU
102957
LICENSED
PROFESSIONAL ENGINEER


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DATE: 07.10.14

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