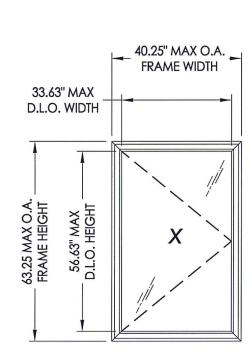


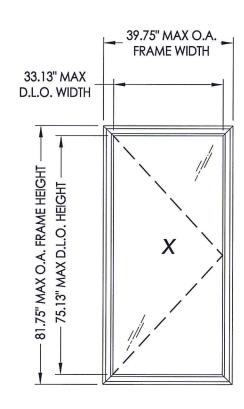
Series 250-T **Aluminum Casement Window** w/ Thermal Break Frame "NON-IMPACT"

GENERAL NOTES

- This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the FBC.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

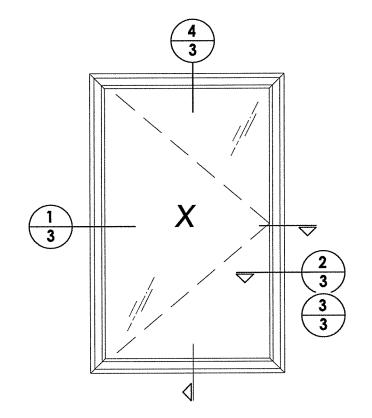
| | TABLE OF CONTENTS | | | | | |
|--------|--|--|--|--|--|--|
| SHEET# | DESCRIPTION | | | | | |
| 1 | Typical elevations, design pressures and general notes | | | | | |
| 2 | Elevations | | | | | |
| 3 | Horizontal and vertical cross sections | | | | | |
| 4 | Horizontal and vertical cross sections | | | | | |
| 5 | Buck and frame anchoring | | | | | |
| 6 | Buck and frame anchoring | | | | | |
| 7 | Bill of materials, components and glazing detail | | | | | |

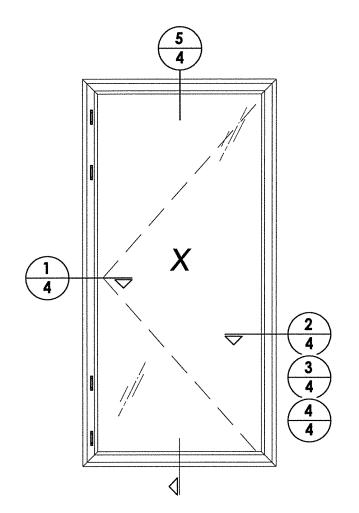




| OVERALL FRAME | OVERALL D.L.O. | GLASS TYPE | DESIGN PRI | SSURE (PSF) |
|------------------|-------------------|-------------|------------|-------------|
| DIMENSION | DIMENSION | OLASS III L | POSITIVE | NEGATIVE |
| 40.25" X 63.25" | 33.63" X 56.63" | G1 | +65.0 | -65.0 |
| 39.75" X 81.75" | 33.13" X 75.13" | G1 | +65.0 | -65.0 |

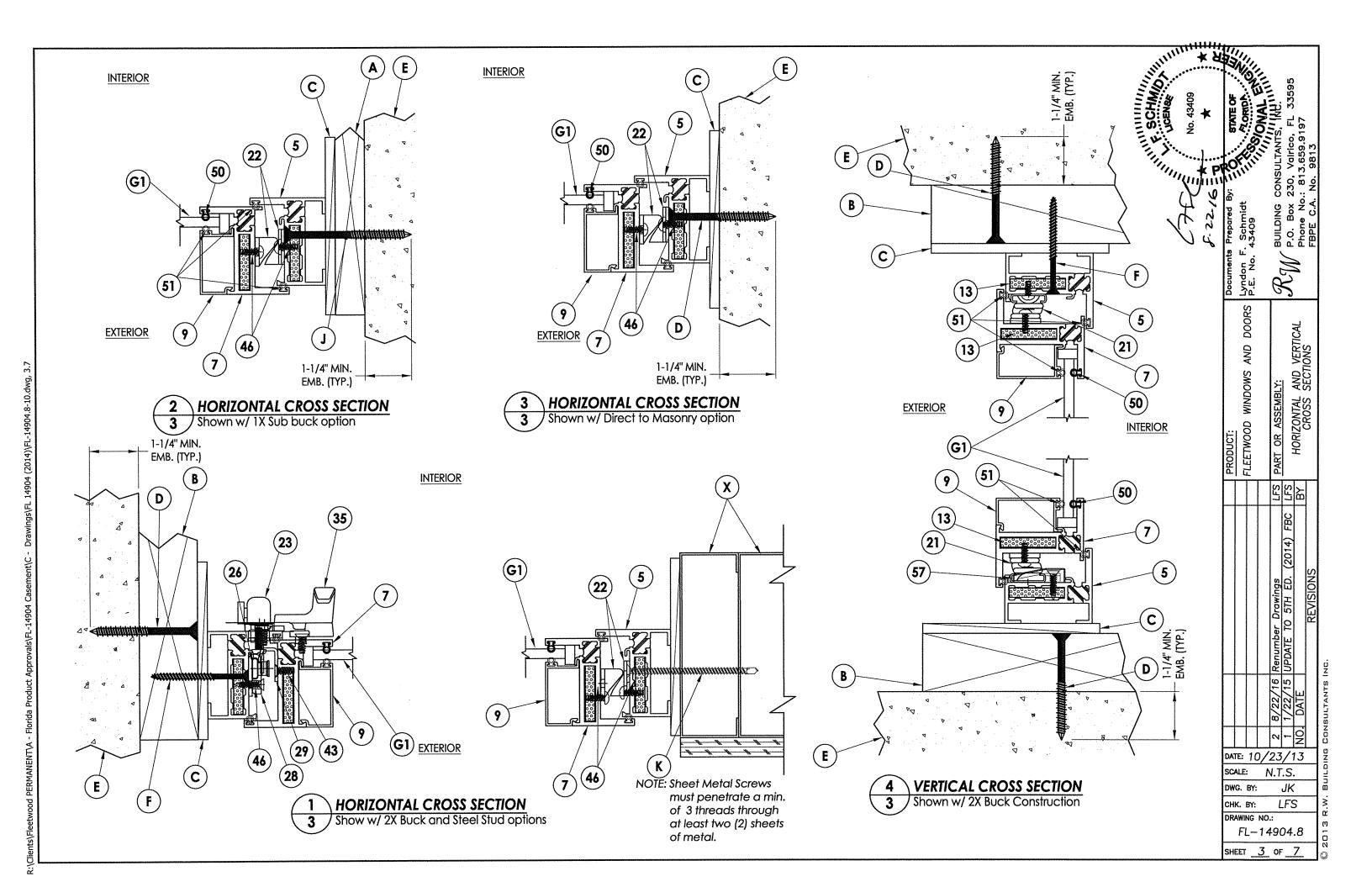
| FI | Documents Prepared By: | Lyndon F. Schmidt | 11 | | CD _ C BUILDING CONSULTANTS. | P.O. Box 230, Valrico | Phone No.: 813,659,919 | FBPE C.A. No. 9813 | |
|----|---------------------------------|-------------------|--|-----|------------------------------|------------------------------------|---------------------------|---------------------------|----------|
| | PRODUCT: | | FLEE WOOD WINDOWS AND DOOKS P.E. No. 43409 | | PART OR ASSEMBLY: | MOIDE MOIENT IN INCIDENT | DESCRIBES & CENTRAL MOTES | rhessures & General Notes | |
| | | | | | LFS | LFS | B | | |
| | | | | | 6 Renumber Drawings | 5 UPDATE TO 5TH ED. (2014) FBC LFS | | REVISIONS | 02 |
| | | | | | 8/22/1 | 1/22/1 | DATE | | 1 |
| | | | | | 2 | 1 | NO. | | |
| н | DATE: 10/23/13 SCALE: N.T.S. | | | | | | | | |
| ŀ | SC/ DW | | BY: | | | .S. JK | | \dashv | |
| ŀ | | K. | _ | | | FS | - | \dashv | 3 |
| | DR | | | NO. | |)4. | .8 | | 0 2112 0 |
| | SHEET <u>1</u> OF <u>7</u> | | | | | | | | 0 |

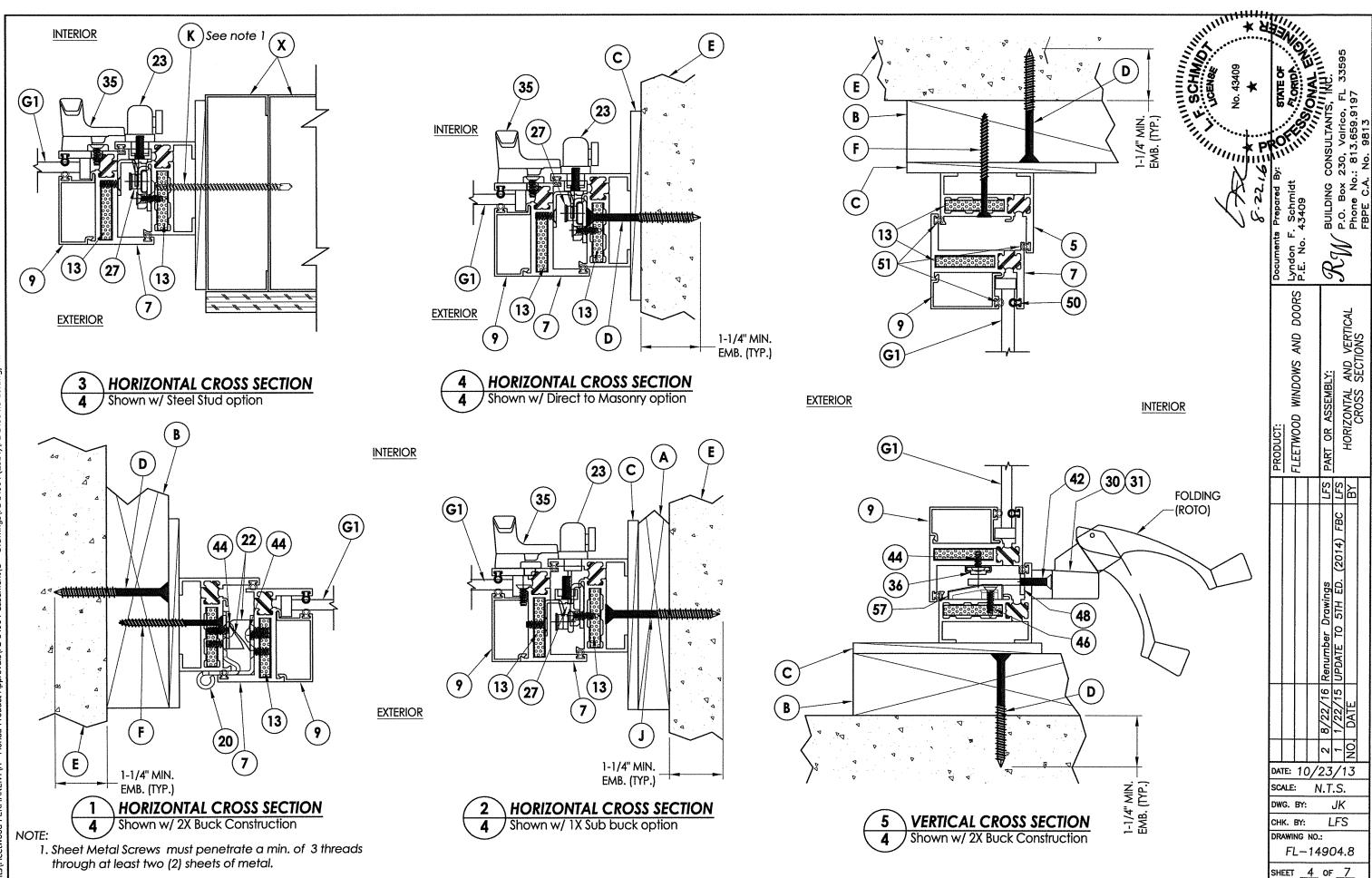




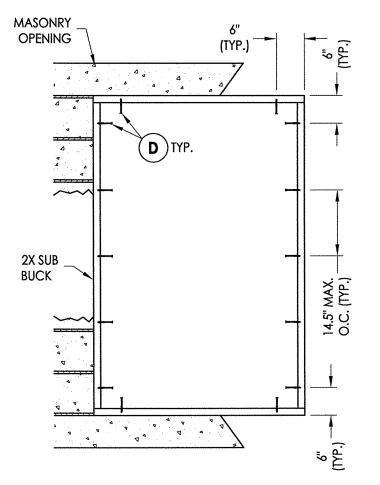
| | HA | RDWARE 1 | 'ABLE |
|---------|-------------|----------|-------------------------------|
| HINGE | | | |
| Qty. | Description | Height | Snubbers |
| 4 | Butt hinge | ≤81.75" | Yes (2) |
| 2 | Butt hinge | ≤ 50" | Yes (2) |
| 2 | 4 Bar hinge | ≤ 65" | Yes (3) |
| HANDLES | | | |
| Points | Description | Height | |
| 4 | Multipoint | > 72" | |
| 3 | Multipoint | ≤ 72" | *Cam locks can be used |
| Qty. | | | in conjunction with |
| 3 | Cam* | ≤ 65" | multipoint lock or in lieu of |
| 1 | Cam* | ≤ 50" | multipoint locks |

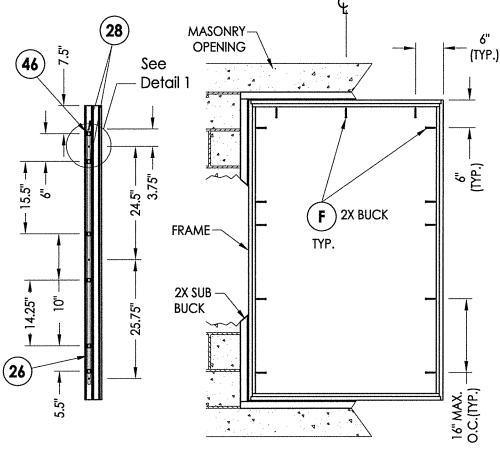
| Documents Prepared By: 60 STAT | | NO. 1 | G CONSULTANTS, | WW P.O. Box 230, Valrico, FL | Phone No.: 813.659.9197 | FBPE C.A. No. 9813 | |
|--------------------------------|--|-------|-------------------|------------------------------------|-------------------------|--------------------|---------------------------|
| ocuments Prepare | E. No. 43409 | | BUILDIN | 15/// P.O. Bo | Phone | FBPE C | |
| PRODUCT: | FLEETWOOD WINDOWS AND DOORS P.E. No. 43409 | | PART OR ASSEMBLY: | | ELEVATIONS | | |
| | | | LFS | LFS | ВУ | | |
| | | | Renumber Drawings | UPDATE TO 5TH ED. (2014) FBC LFS | | REVISIONS | נב |
| | | | /22/16 | /22/15 | DATE | | R.W. BUILDING CONSULTANTS |
| - | | | 2 8 | 1 1 | Š. | | מא |
| DATE: | 10 |)/: | 23 | / | 13 | | 2 |
| SCALE: N.T.S. | | | | | | | = |
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| CHK. BY: LFS DRAWING NO.: | | | | | | | |
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| SHEET <u>2</u> OF <u>7</u> | | | | | | | 0 |

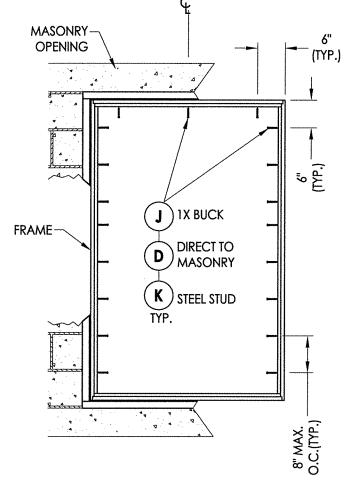


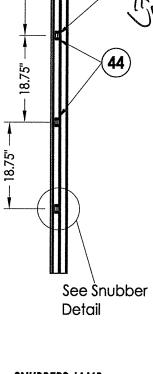


ents\Eleetwood PERMANENT\A - Florida Product Annrovals\El-14904 Casement\C -









Lyndon F P.E. No.

BUCK & FRAME ANCHORING

2X BUCK ANCHORING 40.25" X 63.25" Max Size

LOCK JAMB Locking Points (3) FRAME MOUNT ANCHORING 40.25" X 63.25" Max Size (2X BUCK)

FRAME MOUNT ANCHORING 40.25" X 63.25" Max Size (1X BUCK, DIR. TO MASONRY, STEEL STUD) **SNUBBERS JAMB**

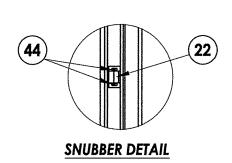
CONCRETE ANCHOR NOTES:

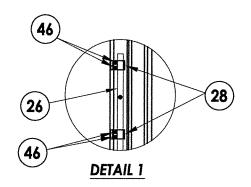
- 1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- 3. Concrete anchor table:

| ANCHOR TYPE | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|-------------------|----------------|-------------------|--------------------------------------|---|
| ITW TAPCON® | 1/4" | 1-1/4" | 2" | 4" |
| ELCO ULTRACON® | 1/4" | 1-1/4" | 1" | 4" |

WOOD SCREW INSTALLATION NOTES:

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.





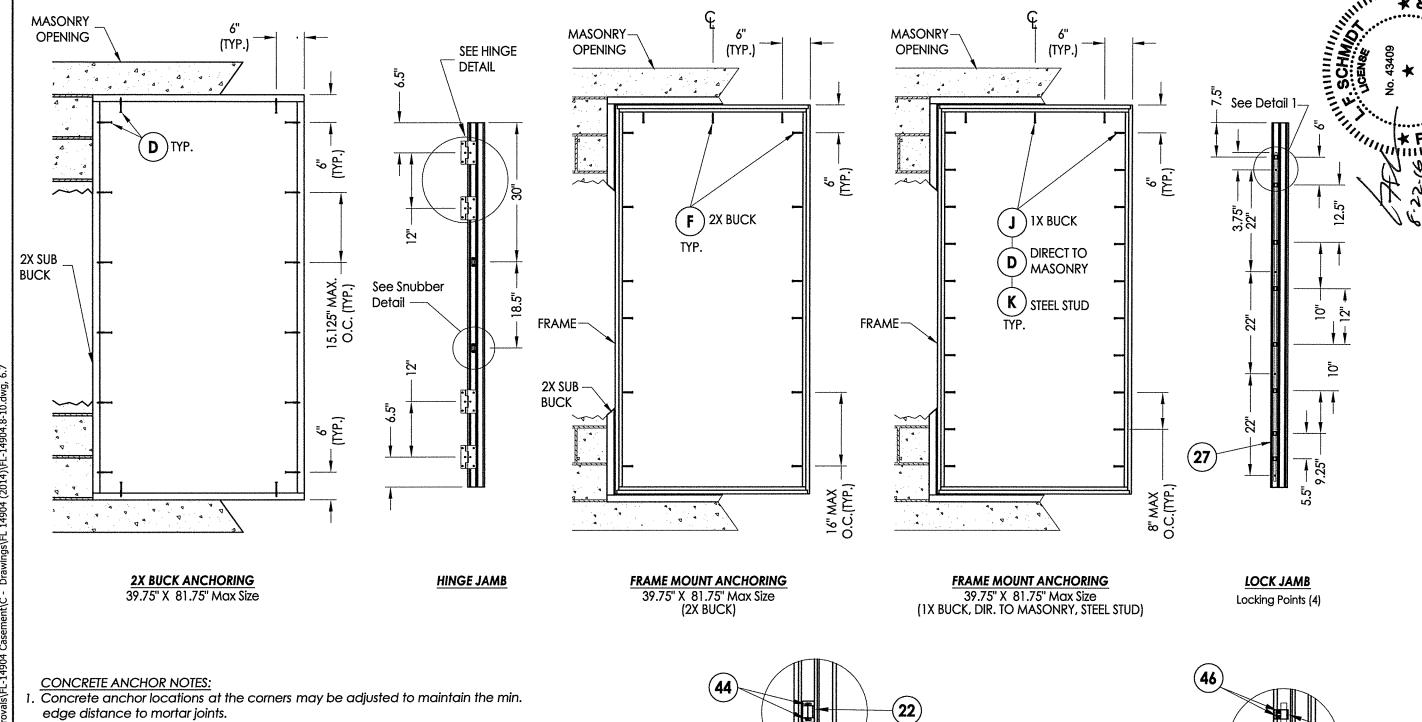
DATE: 10/23/13 N.T.S. JK LFS FL-14904.8

SCALE:

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SHEET 5 OF

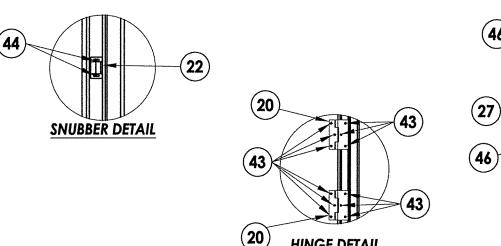


- 2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- 3. Concrete anchor table:

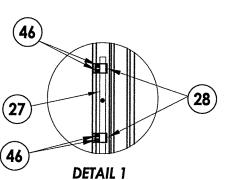
| ANCHOR | ANCHOR | MIN | MIN. CLEARANCE | MIN. CLEARANCE |
|-------------------|--------|-----------|----------------|----------------|
| TYPE | SITE | EMBEDMENT | TO MASONRY | |
| | | | EDGE | ANCHOR |
| ITW TAPCON® | 1/4" | 1-1/4" | 2" | 4" |
| ELCO ULTRACON® | 1/4" | 1-1/4" | 1" | 4" |

WOOD SCREW INSTALLATION NOTES:

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



HINGE DETAIL



DATE: 10/23/13 N.T.S. DWG. BY: JK LFS CHK. BY: DRAWING NO .: FL-14904.8 SHEET 6 OF 7

SCALE:

Lyndon F P.E. No.

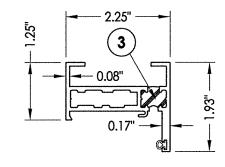
DOORS

AND

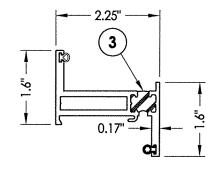
WINDOWS

FLEETWOOD

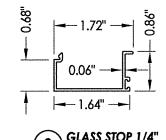
| ПЕМ # | DESCRIPTION | MATERIAL |
|-------|---|--------------|
| A | 1X BUCK SG >= 0.55 | WOOD |
| В | 2X BUCK SG >= 0.55 | WOOD |
| C | 1/4" MAX. SHIM SPACE | - |
| D | 1/4" X 2-3/4" ELCO OR ITW PFH CONCRETE SCREW | STEEL |
| Е | MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90 | CONCRETE |
| F | #10 X 2" PPH WOOD SCREW (1-1/4" MIN. EMBEDMENT) | STEEL |
| J | 1/4" x 3-1/4" ELCO OR ITW PFH CONCRETE SCREW | STEEL |
| K | #10 PPH SELF-DRILLING SMS | STEEL |
| Х | STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min) | STEEL |
| 3 | THERMAL BREAK ("LIQUID POLYURETHANE" by Azon USA, Inc.) | - |
| 5 | WESTWOOD BLOCK FRAME | 6063-T6 ALUA |
| 7 | WESTWOOD ZEE BAR (PANEL) | 6063-T6 ALUN |
| 9 | GLASS STOP (1/4") | 6063-T6 ALUN |
| 13 | CORNER KEY | 6063-T6 ALUN |
| 20 | SS. BUTT HINGE | SS |
| 21 | 4 BAR HINGE | SS |
| 22 | SNUBBER-COMMERCIAL PULL-IN BLOCK | SS |
| 23 | MULTIPOINT LOCK HANDLE (STEVE HAGG) | SS |
| 26 | 3 POINTS LOCKING BAR (TRUTH) | SS |
| 27 | 4 POINTS LOCKING BAR (TRUTH) | SS |
| 28 | TIE BAR GUIDE (TRUTH) | - |
| 29 | KEEPER (TRUTH) | SS |
| 30 | CASEMENT ROTOR GEAR 13.5" (TRUTH) | SS |
| 31 | CASEMENT ROTOR GEAR 9.5" (TRUTH) | SS |
| 35 | CAM HANDLE / STRIKE PLATE (MELRON) | SS |
| 36 | CASEMENT SS. TRACK (TRUTH) | SS |
| 42 | MACHINGE SCREW NO 10-32, FHP .75" | STEEL |
| 43 | SCREW NO 10, UFHP .5" | STEEL |
| 44 | SCREW NO 8, PHP, .50" | STEEL |
| 46 | SCREW NO 8, FHP, .750" | STEEL |
| 48 | BACK UP NUTS | STEEL |
| 50 | BULB VINYL (EPDM 70 DUROMETER) - TREMCO | - |
| 51 | MINI BULB VINYL (EPDM 70 DUROMETER) - TREMCO | - |
| 55 | SETTING BLOCK | - |
| 57 | PIVOT SHIM | - |

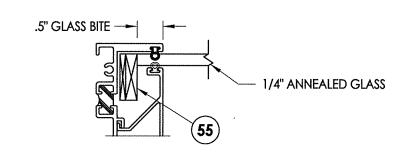


5 BLOCK FRAME



7 ZEE BAR (PANEL)





G1 GLAZING DETAIL

| | | | | Renumber D | UPDATE TO | | RE | | |
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FLEETWOOD WINDOWS AND DOORS