CANTERA DOORS AND MORE, INC. STEEL OUTSWING DOORS WITH & WITHOUT TRANSOMS

INSTALLATION ANCHORAGE DRAWING

GENERAL NOTES:

- 1. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT NO. CTLA 1762W-4 AND CTLA 1762W-5 AND ASSOCIATED LABORATORY STAMPED DRAWINGS.
- 2. THE PRODUCT AND ANCHORAGE HAS BEEN EVALUATED FOR CONFORMANCE TO THE 2018 INTERNATIONAL BUILDING CODE AND THE 2018 INTERNATIONAL RESIDENTIAL CODE AT THE DESIGN PRESSURES STATED HEREIN. TESTING TO FLORIDA BUILDING CODE STANDARDS TAS 201, TAS 202 AND TAS 203 WERE USED TO PROVIDE JUSTIFICATION FOR THE RANGE OF APPROVED OPTIONS SHOWN IN THIS PRODUCT APPROVAL DOCUMENT AND MEET/EXCEED THE REQUIREMENTS OF THE AFOREMENTIONED IRC CODES.
- 3. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE / MASONRY AND 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.
- 4. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- 5. 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 SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- 6. IN AREAS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THE PRODUCT(S) HEREIN.

7. MATERIALS

- 7.1. DOOR FRAME AND PANEL MATERIAL: STEEL
- 7.2. LAMINATED GLAZING INTERLAYER: KURARAY AMERICA, INC. KURARAY SENTRYGLAS INTERLAYER
- 8. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04e1. SEE SHEET 5 FOR GLAZING DETAIL.
- 9. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
- 9.1. OPERABLE PANEL X
- 9.2. FIXED PANEL O

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| 3 | ELEVATION & ANCHOR LAYOUT (XX) |
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| 5 | VERTICAL SECTIONS AND GLAZING DETAIL |
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| 8 | HORIZONTAL SECTIONS |
| 9 | COMPONENTS AND BILL OF MATERIALS |
| 10 | INSTALLATION CLIP DETAILS |
| 11 | APPROVED CONFGURATIONS |

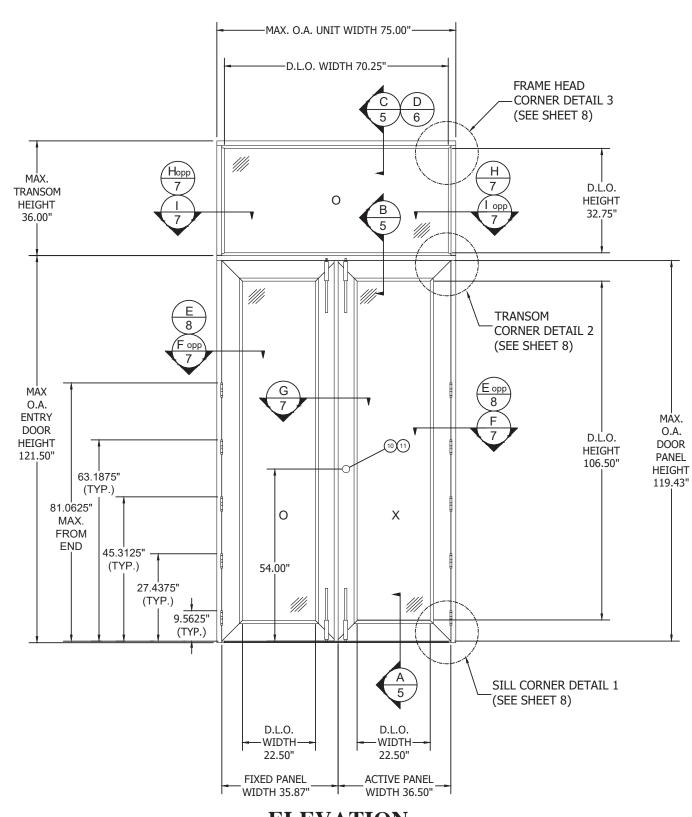
INSTALLATION NOTES:

- 1. TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN IN HEAD AND JAMBS. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION IN THE THRESHOLD.
- 2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- 3. AT EACH INSTALLATION, SHIM GAPS THAT ARE EQUAL TO OR GREATER THAN 1/16". MAXIMUM ALLOWABLE SHIM SIZE IS 1/4".
- 4. FOR INSTALLATION INTO WOOD FRAMING AT HEAD AND JAMBS, USE 3/8" LAG SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 2 1/2 INCH MINIMUM EMBEDMENT. MINIMUM EDGE DISTANCE IS 3/4 INCH. MINIMUM SPACING IS 1 1/2 INCH. ANCHOR SPACING AS SHOWN IN ELEVATIONS ON SHEETS 2, 3 AND 4.
- 5. FOR INSTALLATION INTO CONCRETE (HEAD, SILL AND JAMBS SHOWN IN ELEVATIONS) OR MASONRY (JAMBS):
- 5.1. AT THRESHOLD (SILL) USE 1/4 INCH DIA. ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE A 1 3/4 INCH MINIMUM EMBEDMENT WITH A MINIMUM EDGE DISTANCE IS 2 1/2 INCHES. APPROVED EQUIVALENT 1/4" DIA. CONCRETE SCREWS AS COMPARED TO ITW TAPCONS ARE ACCEPTABLE. ANCHOR SPACING AS SHOWN IN ELEVATIONS ON SHEETS 2, 3 AND 4.
- 5.2. AT HEAD AND JAMBS USE EITHER:
- 5.2.1. 3/8 INCH DIA. POWERS FASTENERS TAPPERS WITH A 1-3/4 INCH MINIMUM EMBEDMENT. MINIMUM EDGE DISTANCE IS 3 INCHES. MINIMUM SPACING IS $2\frac{1}{4}$ " AT THE CLIP. ANCHOR SPACING AS SHOWN IN ELEVATIONS ON SHEETS 2, 3 AND 4.
- 5.2.2. 3/8 INCH DIA. DEWALT SCREW-BOLT+ WITH A 1-1/2 INCH CONCRETE OR 2 INCH MASONRY (CMU) MINIMUM EMBEDMENT. MINIMUM EDGE DISTANCE IS 3 INCHES. MINIMUM SPACING IS $2\frac{1}{4}$ " AT THE CLIP. ANCHOR SPACING AS SHOWN IN ELEVATIONS ON SHEETS 2, 3 AND 4.
- 5.2.3. APPROVED EQUIVALENT 3/8" DIA. CONCRETE SCREWS AS COMPARED TO POWERS FASTENERS TAPPERS OR DEWALT SCREW-BOLT+ ARE ACCEPTABLE.
- 6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING).
- 7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 8. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS. ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER BELOW.
- 9. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
- 9.1. WOOD MINIMUM SPECIFIC GRAVITY OF 0.42.
- 9.2. CONCRETE MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
- 9.3. MASONR
- 9.3.1. STRENGTH CONFORMANCE TO ASTM C90, NORMAL WEIGHT; OR
- 9.3.2. STRENGTH CONFORMANCE TO ASTM C62, GRADE SW MINIMUM. MORTAR MUST BE TYPE N, S OR M WITH MINIMUM COMPRESSIVE STRENGTH, fm,
 OF 2,000 PSI.
- 9.3.3. SHALL BE GROUT FILLED PER 2018 INTERNATIONAL BUILDING/RESIDENTIAL CODES.
- 10. THE STRUCTURAL PERFORMANCE TEST REPORT INDICATES THAT HINGE FRAME SCREWS WERE NOT REPLACED WITH ADDITIONAL INSTALLATION ANCHORS SCREWS DURING PRODUCT TESTING. HINGE INSTALLATION USING TESTED HINGE SCREWS ARE QUALIFIED BY SATISFACTORY TEST PERFORMANCE.
- 11. INSTALLATION CLIPS (L BRACKET ITEM NUMBERS 8, 8A, 8B AND 8C) CAN BE INSTALLED TO THE EXTERIOR (AS SHOWN IN THE SECTION VIEWS) OR THE INTERIOR.

| | DESIGN PRESSURE RA | TING (PSF) | | |
|---------------------------------------|---|---|------------------------------------|--|
| CONFIGURATIONS | WHERE WATER PENETRATION REQUIREMENT IS NEEDED | WHERE WATER PENETRATION REQUIREMENT IS NOT NEEDED | IMPACT RATING | |
| DOUBLE DOOR | +45.0/-70.0 | ±70.0 | WIND ZONE 4, MISSILE LEVEL D | |
| DOUBLE DOOR W/ RECTANGULAR TRANSOM | +15.0/-70.0 | ±70.0 | | |
| DOUBLE DOOR WITH ARCH TRANSOM | +45.0/-70.0 | ±70.0 | | |

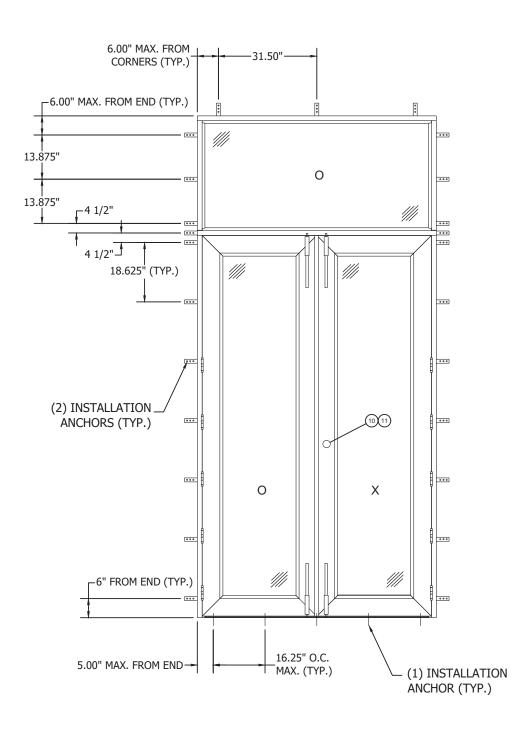
| 3-0102 | | | | | | 3/15/22 | | DATE |
|---|------------------|--|--|-----------|---------|----------------------------|--------------|---|
| PROJECT NO. 416-0102 | | | | | | UPDATE TO 2018 IBC 3/15/22 | AND 2018 IRC | DESCRIPTION |
| | | | | | | ⋖ | | REV |
| I C. TE B204 | | JOUT TRANSOMS | & D.P. CHART | DATE: | 01/07/7 | DRAWNING NO: | CANT1003 | SHEET: 1 OF 11 |
| RS & MORE, IN 20 SOUTH, SUIT | AUSTIN, TX 78734 | S WITH & WITH | ATION NOTES 8 | DRAWN BY: | 454 | SCALE: | N.T.S. | REV: A |
| CANTERA DOORS & MORE, INC. 1310 RANCH ROAD 620 SOUTH, SUITE B204 | AUSTIN, | STEEL OUTSWING DOORS WITH & WITHOUT TRANSOMS | GENERAL NOTES, INSTALLATION NOTES & D.P. CHART | ARED BY: | | | OUP, LLC | P.O. Box 520775 Phone: 321.690.1788 Longwood, FL 37252-0775 Fax: 321.690.1789 xas Registration No. F-13740 Email: info@ptc-corp.com |

Robert J. Amoruso, P.E. TEXAS P.E. No. 80817



ELEVATION INTERIOR VIEW

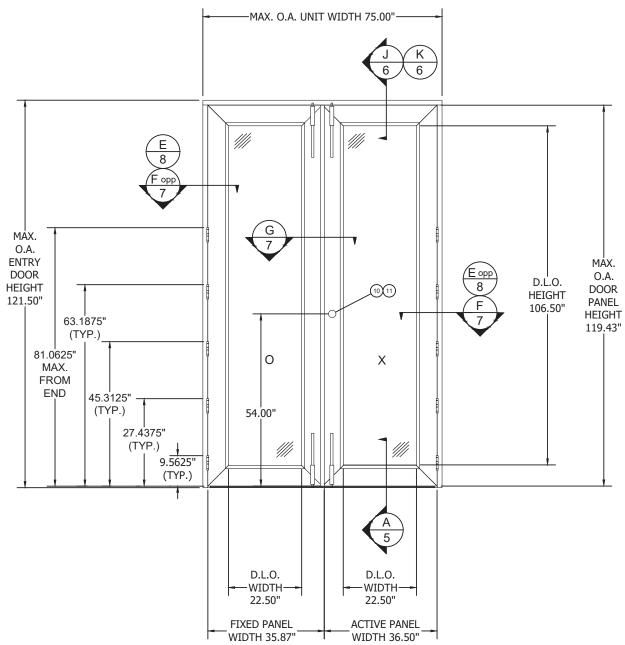
NOTE: HINGES SHOWN ARE THE MINIMUM REQUIRED. ADDITIONAL HINGES, IF DESIRED, MAY BE USED.





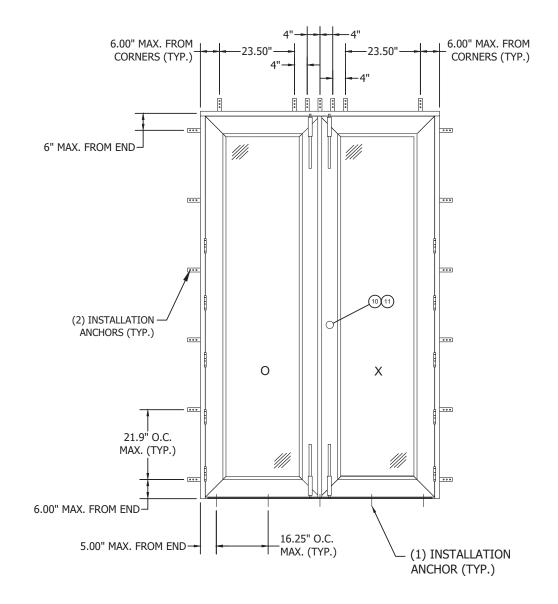
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| PROJECT NO. 416-0102 | | | | | | AND 2018 IRC | DESCRIPTION |
| | | | | | | ∢ | REV |
| C. TE B204 | | OUT TRANSOMS | L | DATE: 2/26/16 | 01/02/2 | DRAWNING NO: CANT1003 | SHEET: 2 OF 11 |
| RS & MORE, IN 20 SOUTH, SUIT | AUSTIN, TX 78734 | S WITH & WITH | NCHOR LAYOU | DRAWN BY: P IA | | SCALE: N.T.S. | REV: |
| CANTERA DOORS & MORE, INC. 1310 RANCH ROAD 620 SOUTH, SUITE B204 | AUSTIN, | STEEL OUTSWING DOORS WITH & WITHOUT TRANSOMS | ELEVATION & ANCHOR LAYOUT | ED BY: | | OUP, LLC | P.O. Box 520775 Phone: 321.690.1788 gwood, FL 37252-0775 Fax: 321.690.1789 Registration No. F-13740 Email: info@ptc-corp.com |

Robert J. Amoruso, P.E. TEXAS P.E. No. 80817



ELEVATION INTERIOR VIEW

ACTIVE PANEL ____ WIDTH 36.50"

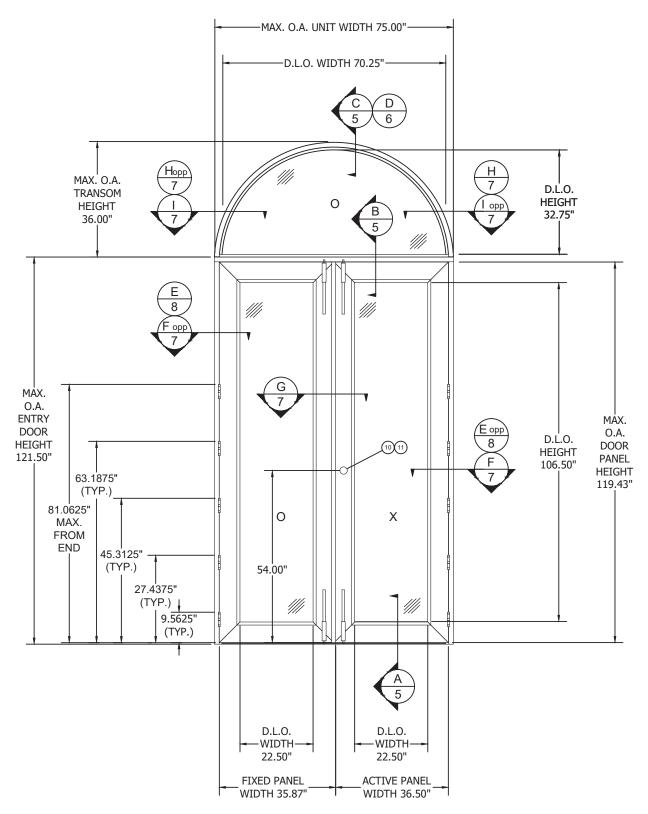


ANCHOR LAYOUT

INTERIOR VIEW

3/15/22 UPDATE TO 2018 IBC AND 2018 IRC PROJECT NO. ⋖ ORS WITH & WITHOUT TRANSOMS & ANCHOR LAYOUT RA DOORS & MORE, INC. ROAD 620 SOUTH, SUITE B204 AUSTIN, TX 78734 CANTERA 1310 RANCH RO STEEL OUTSWIN ELEVA Robert J. Amoruso, P.E. TEXAS P.E. No. 80817

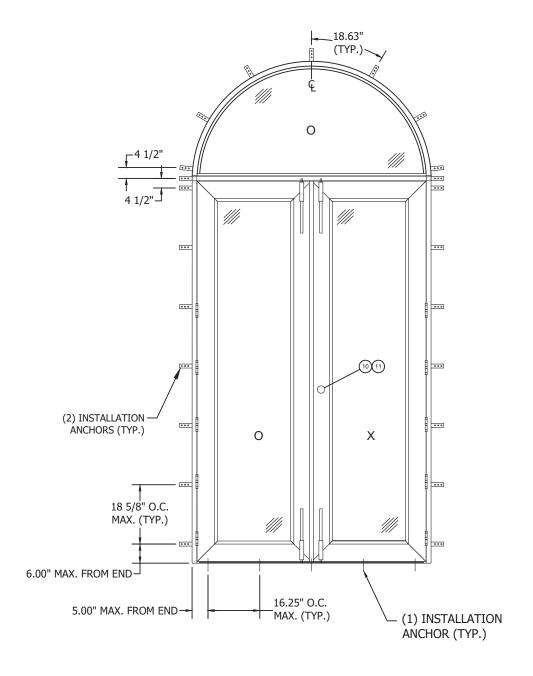
NOTE: HINGES SHOWN ARE THE MINIMUM REQUIRED. ADDITIONAL HINGES, IF DESIRED, MAY BE USED.



ELEVATION

INTERIOR VIEW

NOTE:
HINGES SHOWN ARE THE MINIMUM
REQUIRED. ADDITIONAL HINGES,
IF DESIRED, MAY BE USED.

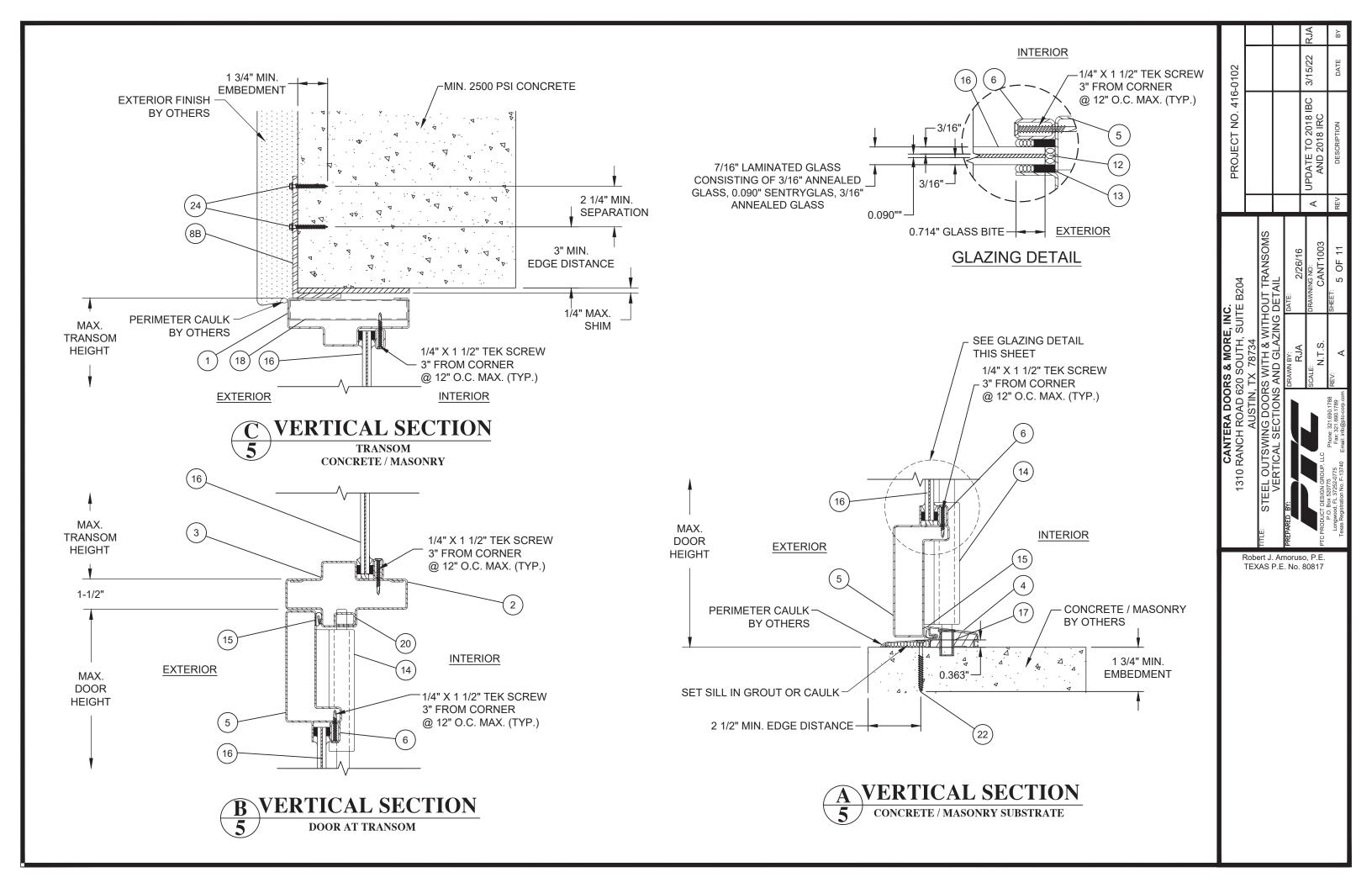


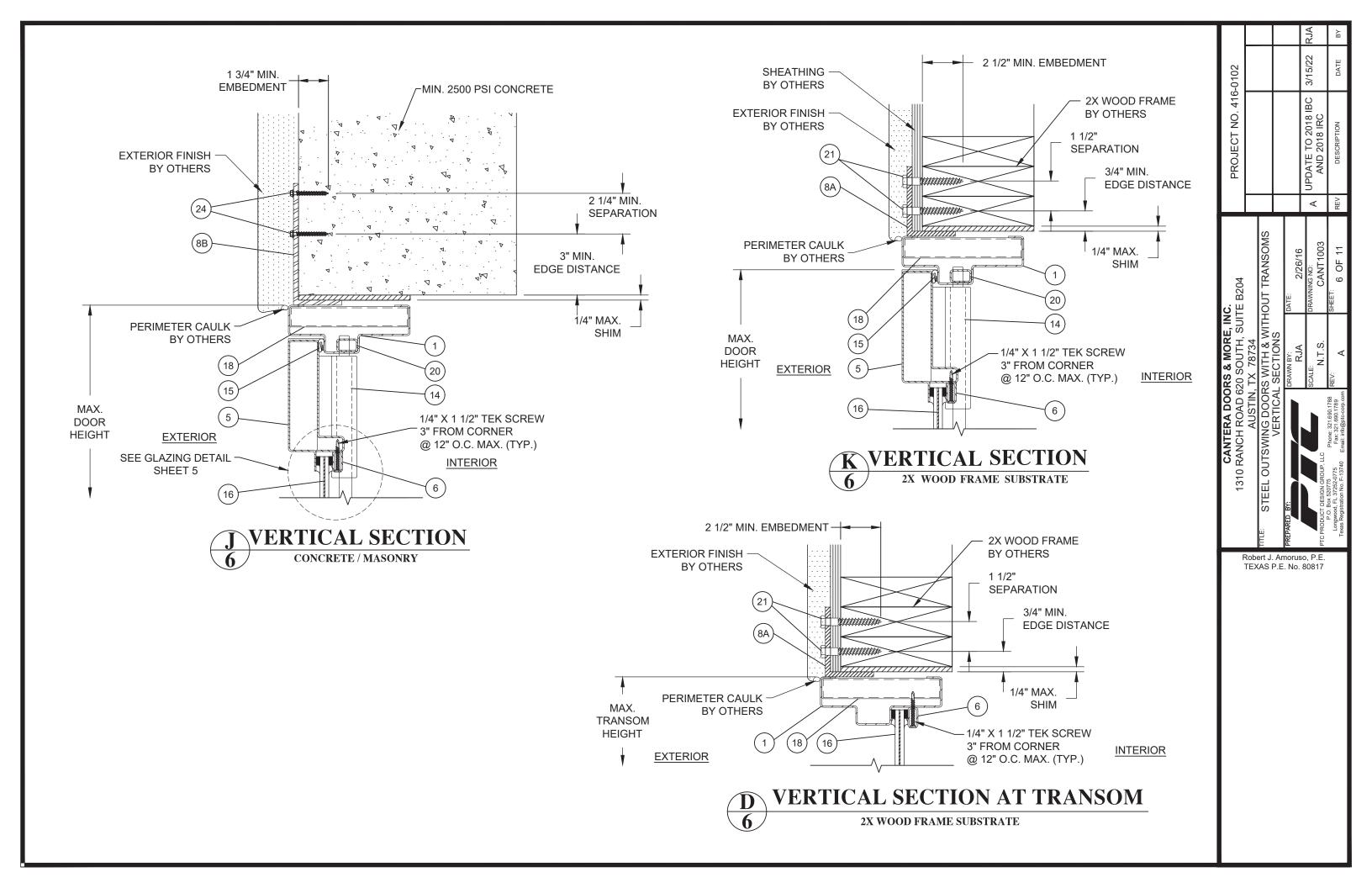
ANCHOR LAYOUT

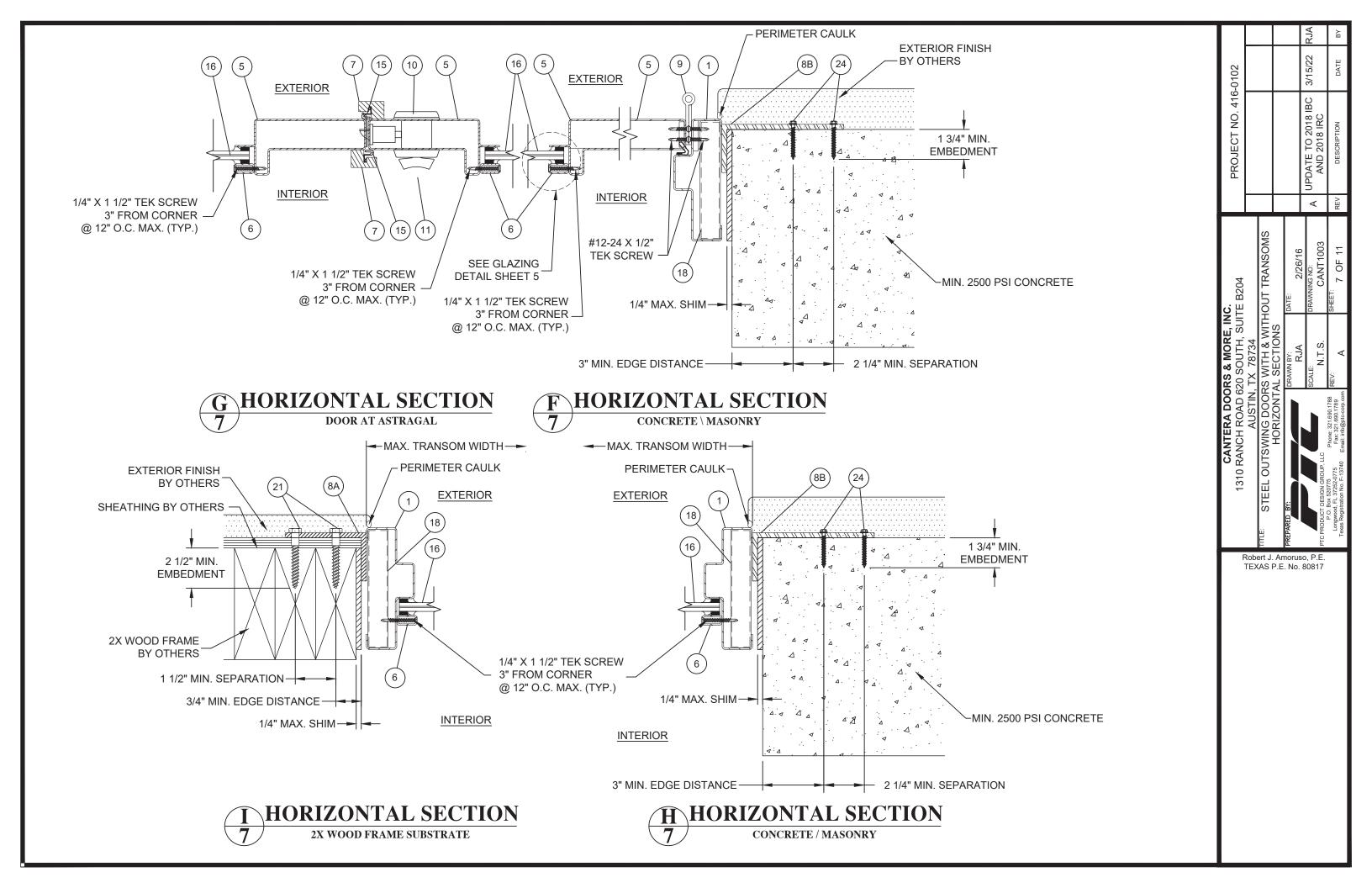
INTERIOR VIEW

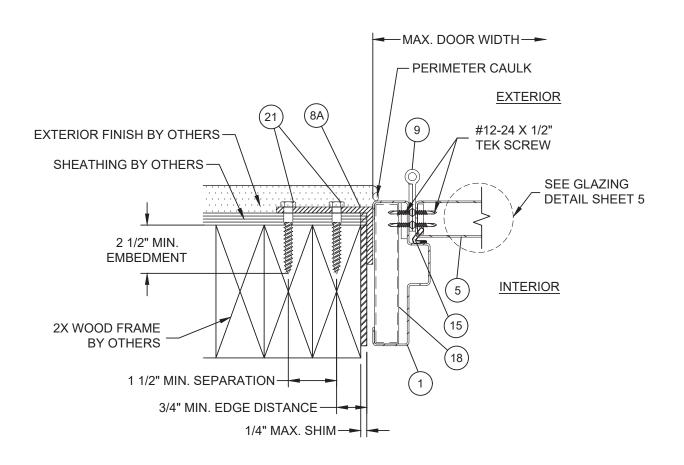
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| CANTERA DOO | CANTERA DOORS & MORE, INC. | _c | | | 0 | |
| 1310 RANCH ROAD 620 SOUTH, SUITE B204 | CO SOUTH, SUIT | TE B204 | | PROJECT NO. 416-0102 | -0102 | |
| AUSTIN, | AUSTIN, TX 78734 | | | | | |
| STEEL OUTSWING DOORS WITH & WITHOUT TRANSOMS | RS WITH & WITH | OUT TRANSOMS | | | | |
| ELEVATION & # | ELEVATION & ANCHOR LAYOUT | | | | | |
| BY: | DRAWN BY: | DATE: 2/26/16 | | | | |
| | Y C | 2/20/10 | | | | |
| | SCALE: | DRAWNING NO: | ⋖ | UPDATE TO 2018 IBC 3/15/22 RJA | 3/15/22 | RJA |
| OUP, LLC | N.T.S. | CANT1003 | : | AND 2018 IRC | | |
| .O. Box 520775 Phone: 321.690.1788 (ood, FL 37252-0775 Fax: 321.690.1789 agistration No. F-13740 Email: info@ptc-corp.com | REV: A | SHEET: 4 OF 11 | REV | DESCRIPTION | DATE | ВУ |

Robert J. Amoruso, P.E. TEXAS P.E. No. 80817

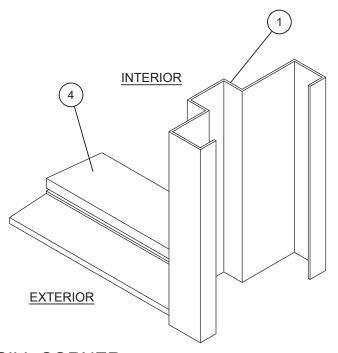




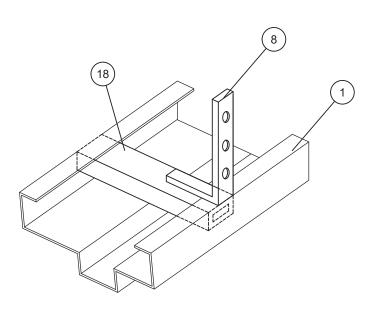




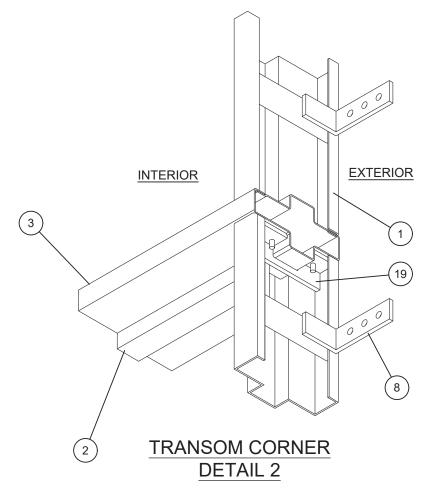


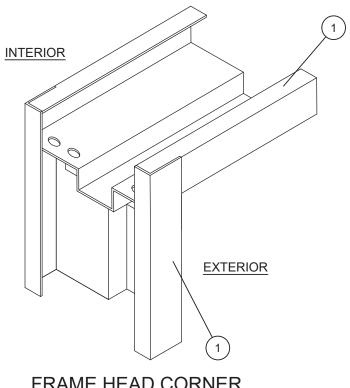






CLIP CONNECTION DETAIL 4

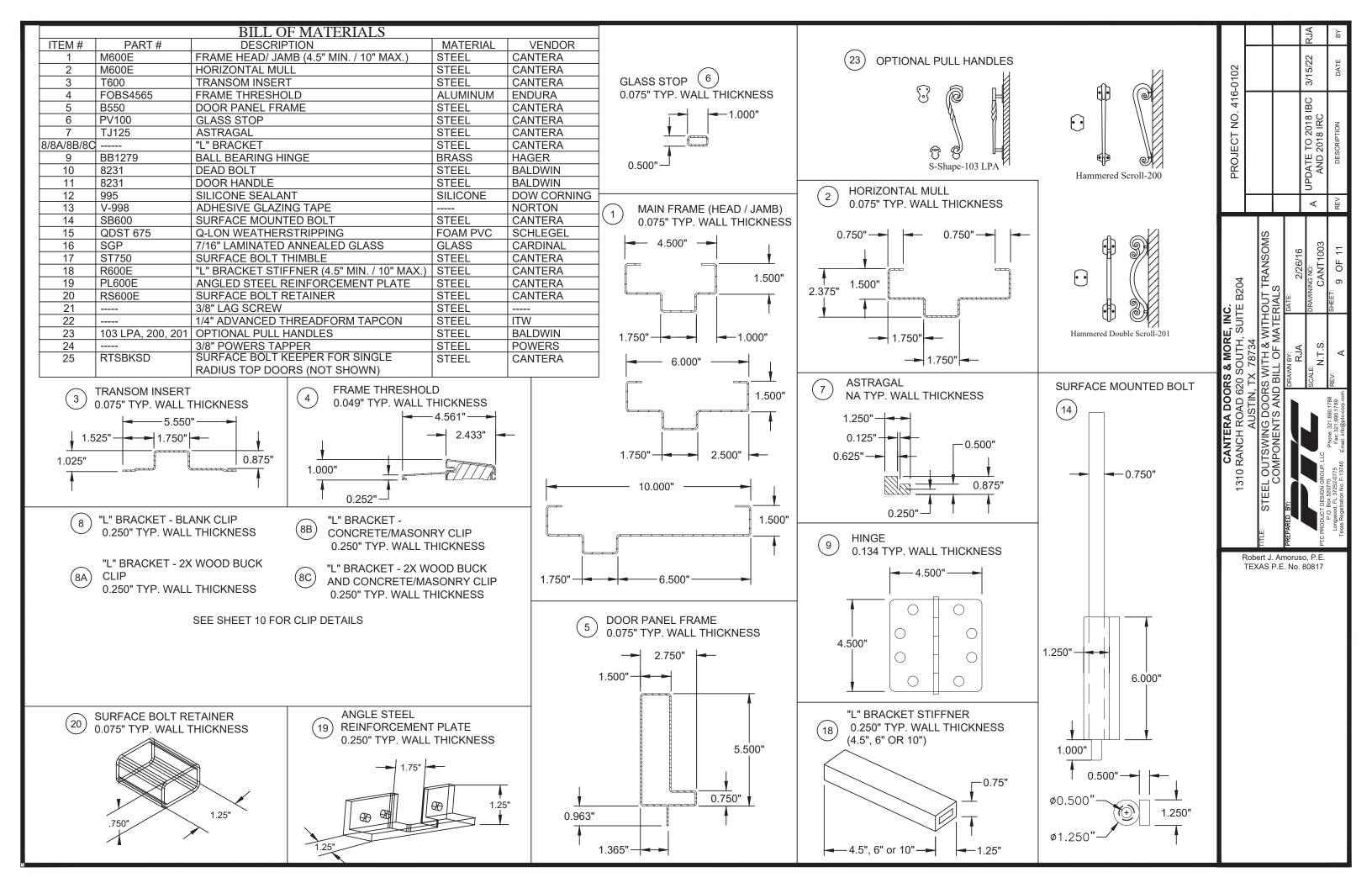




FRAME HEAD CORNER DETAIL 3

| PROJECT NO. 416-0102 | | | | | | | UPDATE TO 2018 IBC 3/15/22 | AND 2018 IRC | DESCRIPTION DATE |
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| PROJE | | | | | | | UPDATE | AND 2 | |
| | | | | | | | ⊲ | (| REV |
| C. FF B204 | 1 | OUT TRANSOMS | DETAILS | DATE: | 2/26/16 | 2,123,13 | DRAWNING NO: | CANT1003 | SHEET: 8 OF 11 |
| CANTERA DOORS & MORE, INC. | AUSTIN TX 78734 | S WITH & WITH | N AND CORNER | DRAWN BY: | RIA | 1 (2) | SCALE: | N.T.S. | REV: |
| CANTERA DOORS & MORE, INC. | AUSTIN | L OUTSWING DOORS WITH & WITHOUT TRANSOMS | RIZONTAL SECTION AND CORNER DETAILS | | | | | GROUP, LLC | 75 Phone: 321.690.1788 52-0775 Fax: 321.690.1789 |

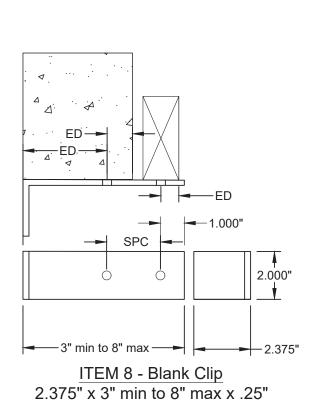
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INSTALLATION CLIP ITEM 8, 8A, 8C AND 8C DIMENSIONING AND BASIC COMPONENT INSTALLATION RELATED TO CLIP ANCHOR HOLE SPACING AND SUBSTRATE EDGE DISTANCES

ITEM 8 BLANK CLIP USED TO ACCOMMODATE VARIOUS SUBSTRATE DERIVATIONS. ITEM 8A CLIP SIZED FOR 2X WOOD BUCK W/SHIM ITEM 8B CLIP SIZED FOR CONCRETE/MASONRY W/SHIM ITEM 8C CLIP SIZED FOR 2X WOOD BUCK ON CONCRETE/MASONRY W/SHIM

BASIC CLIP WIDTH IS 2" MIN. CAN BE INCREASED TO 4" AS NEEDED TO ACCOMMODATE INSTALLATION NEEDS.



(2) 3/8" diameter holes placed as required to meet the following minimum edge distances and spacing.

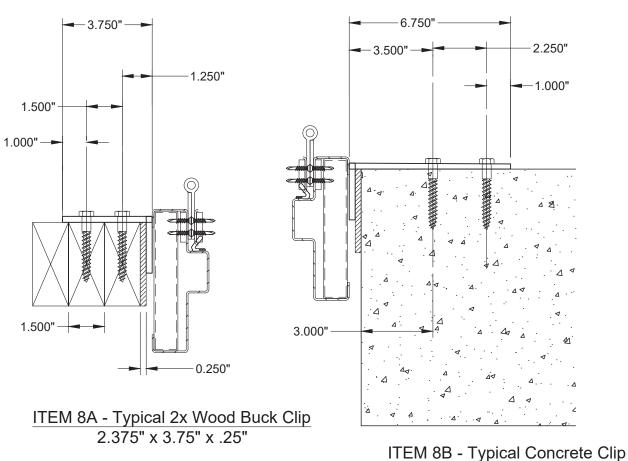
TWO (2) 3/8" DIAMETER INSTALLATION ANCHORS REQUIRED PER CLIP WITH MINIMUM SPACING (SPC) SHOWN BELOW. SUBSTRATE EDGE DISTANCES (ED) SHOWN BELOW SHALL BE MAINTAINED. DRILL 3/8" DIAMETER HOLES MEETING SPC AND ED AS REQUIRED FOR WOOD OR CONCRETE SUBSTRATES.

1.500"

2.375"

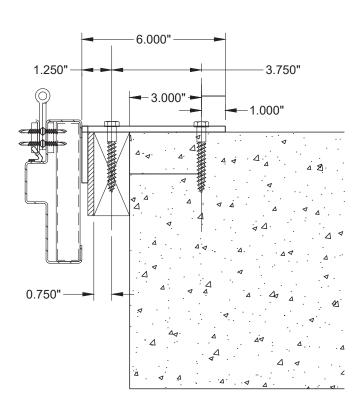
→ 3.750" **→**

- 1. INSTALLATION ANCHOR ON CLIP SPACING (SPC) CONCRETE = 2.25" MIN.
- WOOD = 1" MIN.
- 2. INSTALLATION ANCHOR SUBSTRATE EDGE DISTANCE (ED)
- CONCRETE = 3" MIN.
- WOOD = 3/4" MIN. (AT CENTERLINE OF 2X)

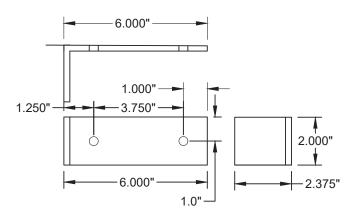


-3.750"**-**► 6.750" 1.000" 1.000"-3.500" 2.250" 2.000" 2.000" 6.750"

2.375" x 6.75" x .25"



ITEM 8C - Typical 2X Buck/Concrete/Masonry Clip 2.375" x 6.0" x .25"



| 3-0102 | | | | | | 3/15/22 | | DATE | |
|---|--|---|---------------------------|-------------------|---------|----------------------------|-------------------|--------------------|--|
| PROJECT NO. 416-0102 | | | | | | UPDATE TO 2018 IBC 3/15/22 | AND 2018 IRC | DESCRIPTION | |
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| E B204 | | TEEL OUTSWING DOORS WITH & WITHOUT TRANSOMS | INSTALLATION CLIP DETAILS | DATE: 2/26/16 | 2/20/10 | DRAWNING NO: | CANT1003 | SHEET: 10 OF 11 | 5 |
| RS & MORE, IN | ROAD 620 SOUTH, SUIT AUSTIN, TX 78734 | | | DRAWN BY: D IA | 701 | SCALE: | N.T.S. | REV: | τ |
| CANTERA DOORS & MORE, INC. 1310 RANCH ROAD 620 SOUTH. SUITE B204 | AUSTIN, | TEEL OUTSWING DOOR | INSTALLAT | ij | | | DESIGN GROUP, LLC | | ation No. r-13/40 Email: into@ptc-corp.com |

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