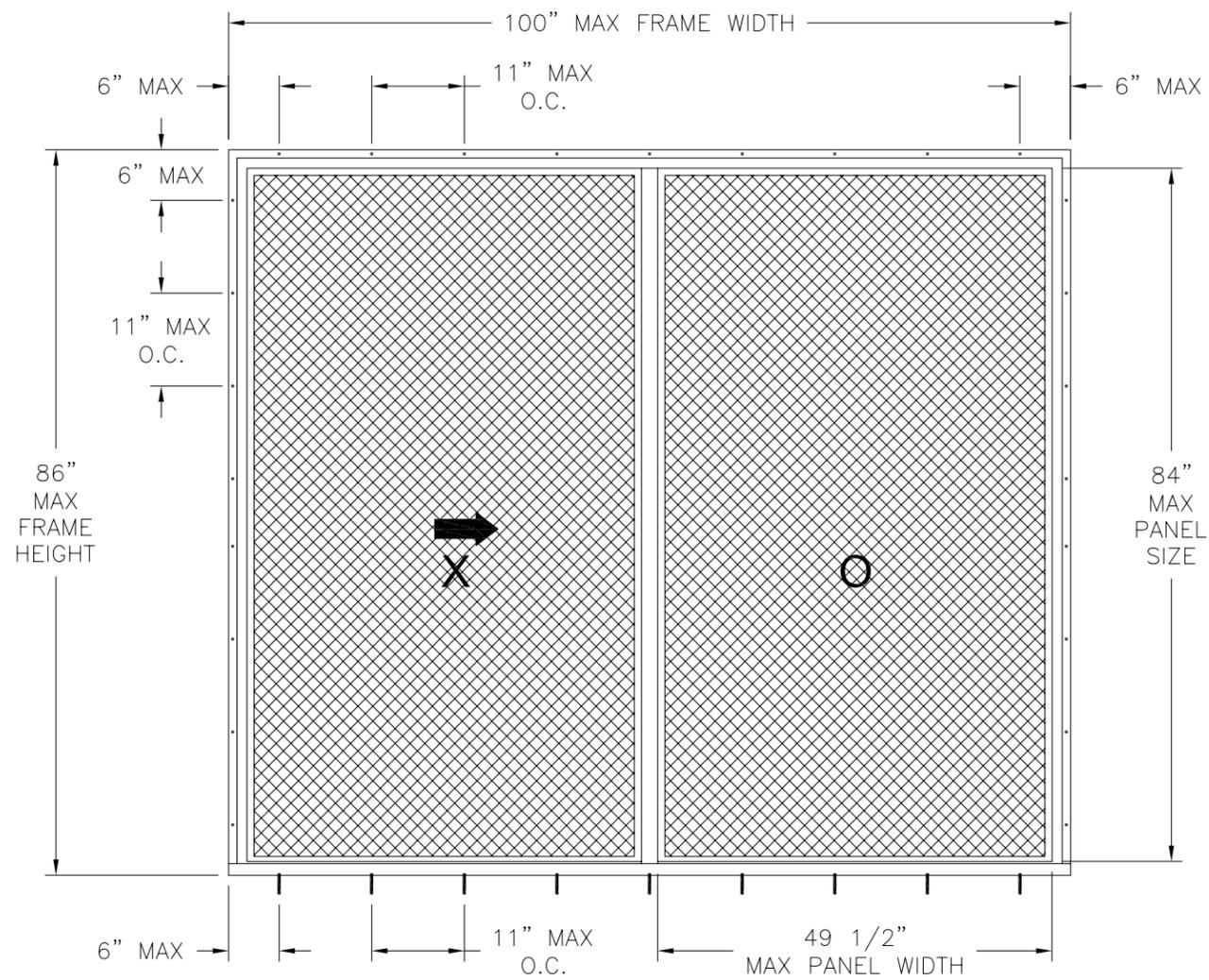


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS SEPARATION	06/29/12	R.L.



200-16 PATIO DOOR SCREEN
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 IBC AND THE 2006 IRC WITH TEXAS MODIFICATIONS.
- 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 4) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR $C_d=1.6$ WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 5) FRAME AND SASH MATERIAL: EXTRUDED ALUMINUM 6063-T6.
- 6) SCREEN MATERIAL: .035" STAINLESS STEEL WITH 12 x12 STRANDS PER SQUARE INCH AND .048" OPEN SPACE BETWEEN STRANDS. MESH FINISH MAY BE NATURAL OR PAINTED.
- 7) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- 8) FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1 3/4" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 9) FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 10) FOR ANCHORING INTO METAL STRUCTURE USE #8 SMS OR SELF DRILLING SCREWS SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 11) ALL FASTENERS TO BE CORROSION RESISTANT.
- 12) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD – MINIMUM SPECIFIC GRAVITY OF $G=0.42$
 - B. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - C. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
- 13) APPROVED CONFIGURATIONS: OX, XO

SIGNED: 07/09/2012

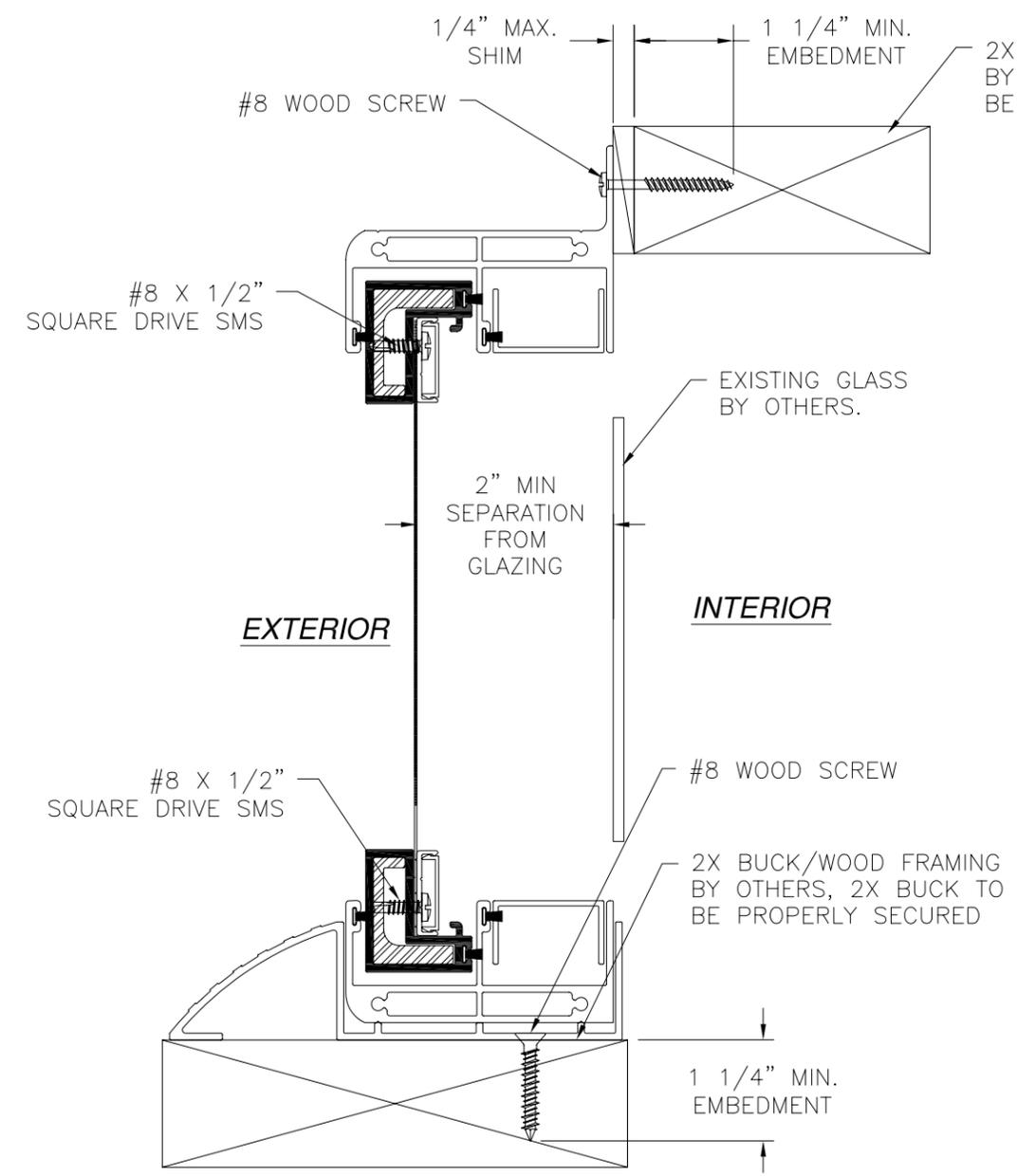
TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	ELEVATIONS, ANCHORING AND NOTES
2 - 4	INSTALLATION DETAILS
5	COMPONENTS AND HARDWARE

TAPCO, INC. 1815 McCULLOUGH BOULEVARD TUPELO, MS 38801		
SERIES 200-16 PATIO DOOR SCREEN 100" x 86" ELEVATION AND NOTES		
DRAWN: V.L.	DWG NO. 08-01375	REV A
SCALE NTS	DATE 10/24/11	SHEET 1 OF 5

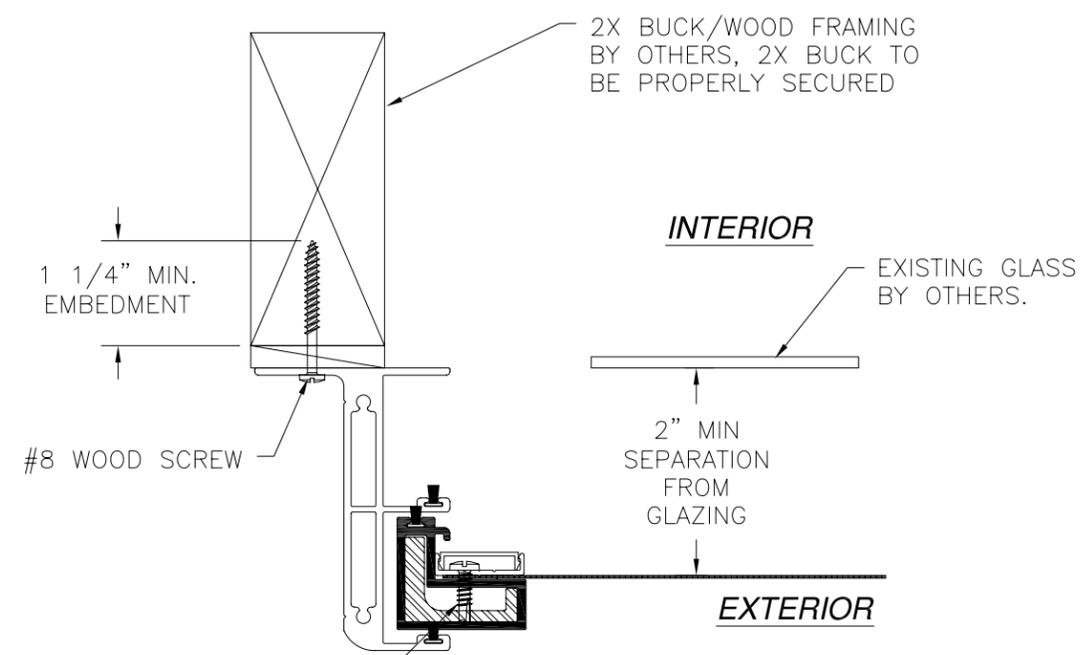


Luis R. Lomas P.E.
TX NO.: 101889

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS SEPARATION	06/29/12	R.L.



VERTICAL CROSS SECTION
 2X BUCK/WOOD FRAMING INSTALLATION
 ACTIVE SCREEN SHOWN, FIXED
 SCREEN SIMILAR



HORIZONTAL CROSS SECTION
 2X BUCK/WOOD FRAMING INSTALLATION
 ACTIVE SCREEN SHOWN, FIXED
 SCREEN SIMILAR

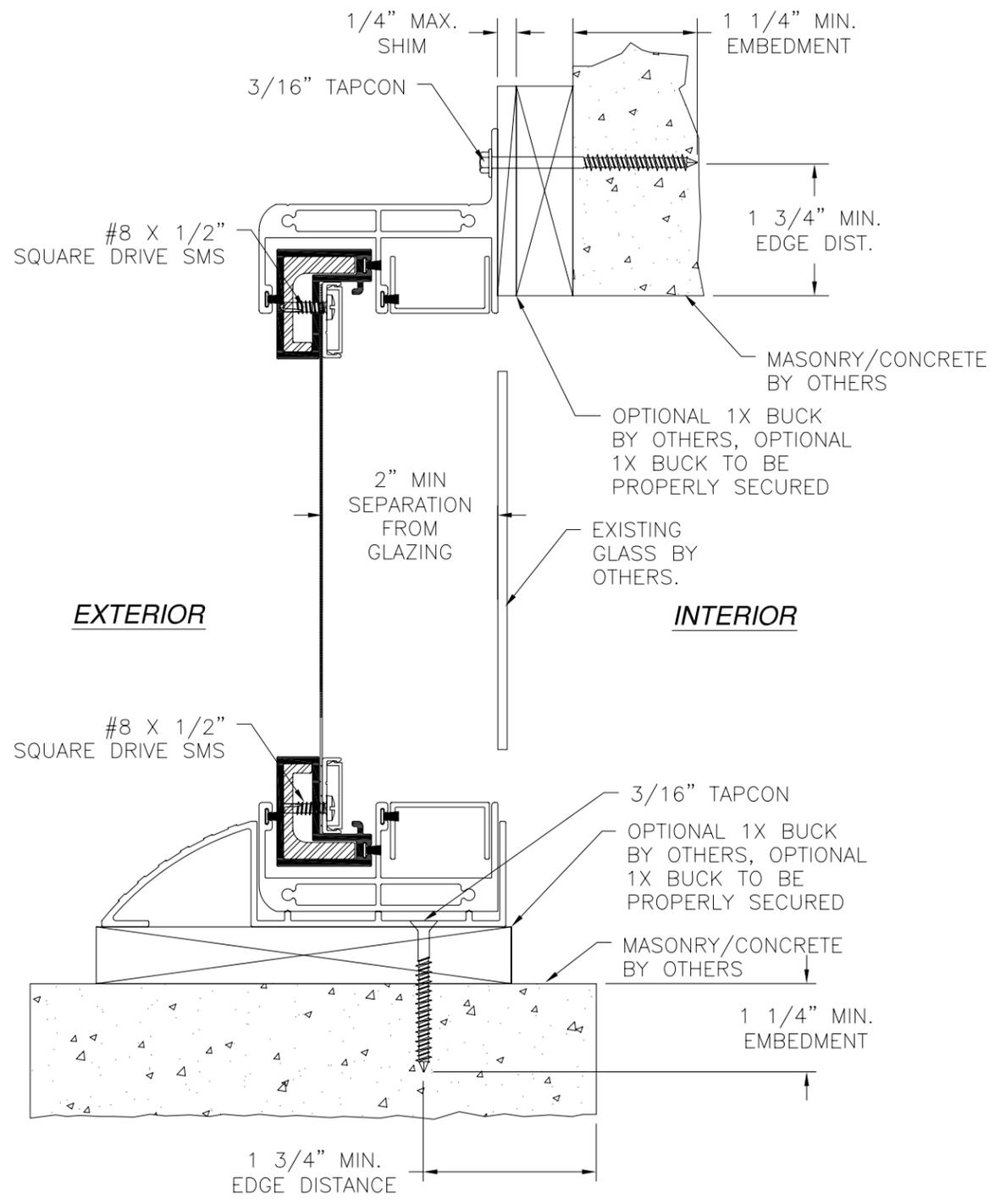
TAPCO, INC.
 1815 McCULLOUGH BOULEVARD
 TUPELO, MS 38801

SERIES 200-16 PATIO DOOR SCREEN
 100" x 86"
 INSTALLATION DETAILS

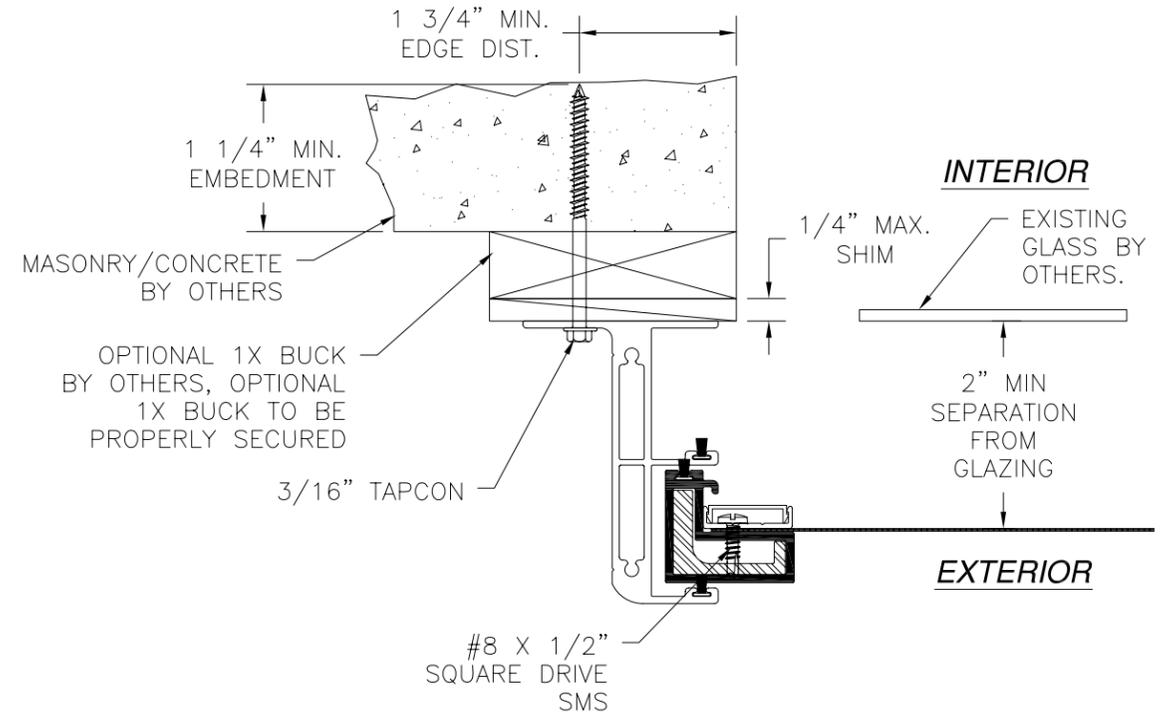
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SCALE NTS	DATE 10/24/11	SHEET 2 OF 5

Luis R. Lomas P.E.
 TX NO.: 101889

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION
ACTIVE SCREEN SHOWN, FIXED
SCREEN SIMILAR



HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION
ACTIVE SCREEN SHOWN, FIXED SCREEN SIMILAR

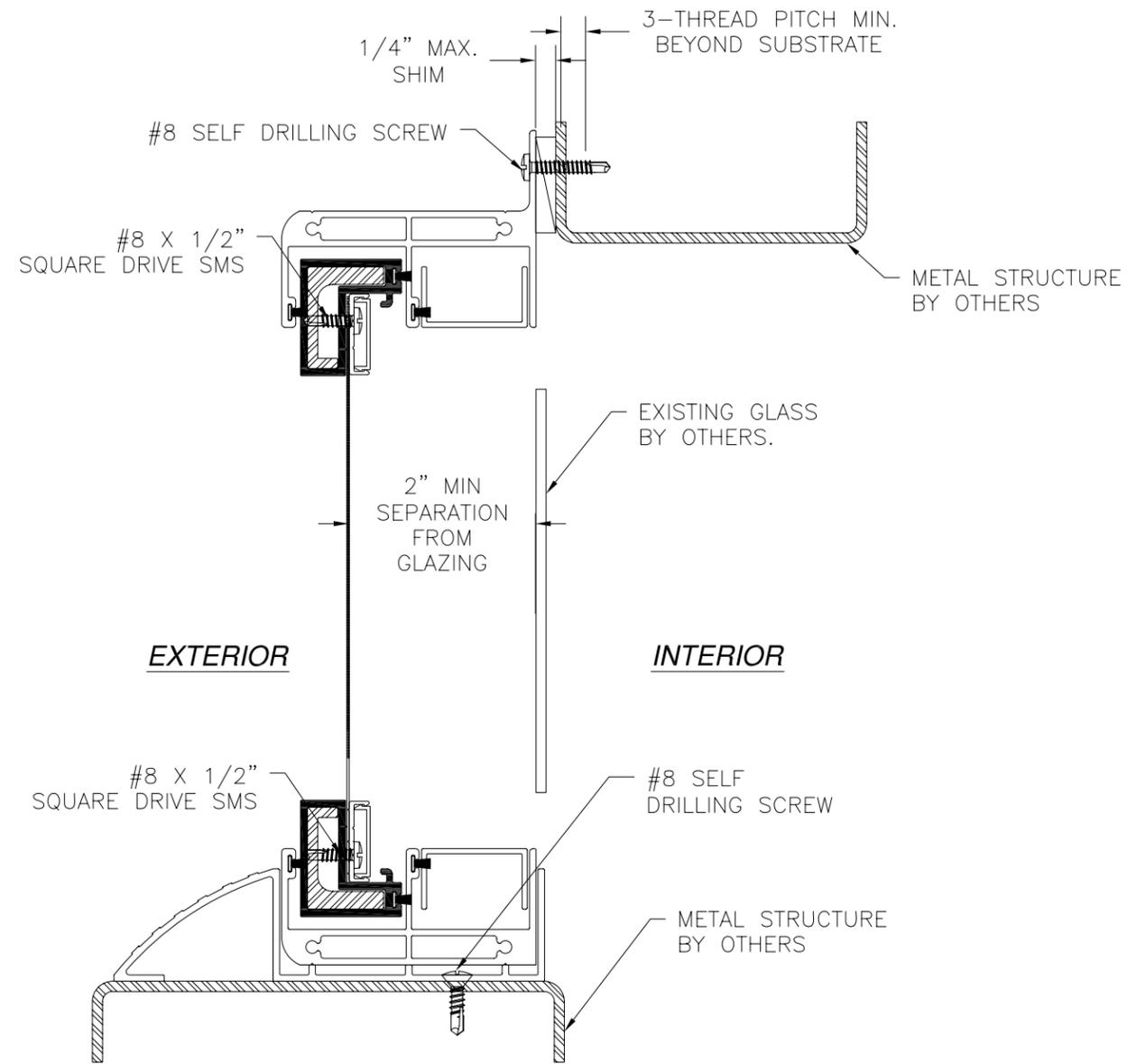
TAPCO, INC.
1815 McCULLOUGH BOULEVARD
TUPELO, MS 38801

SERIES 200-16 PATIO DOOR SCREEN
100" x 86"
INSTALLATION DETAILS

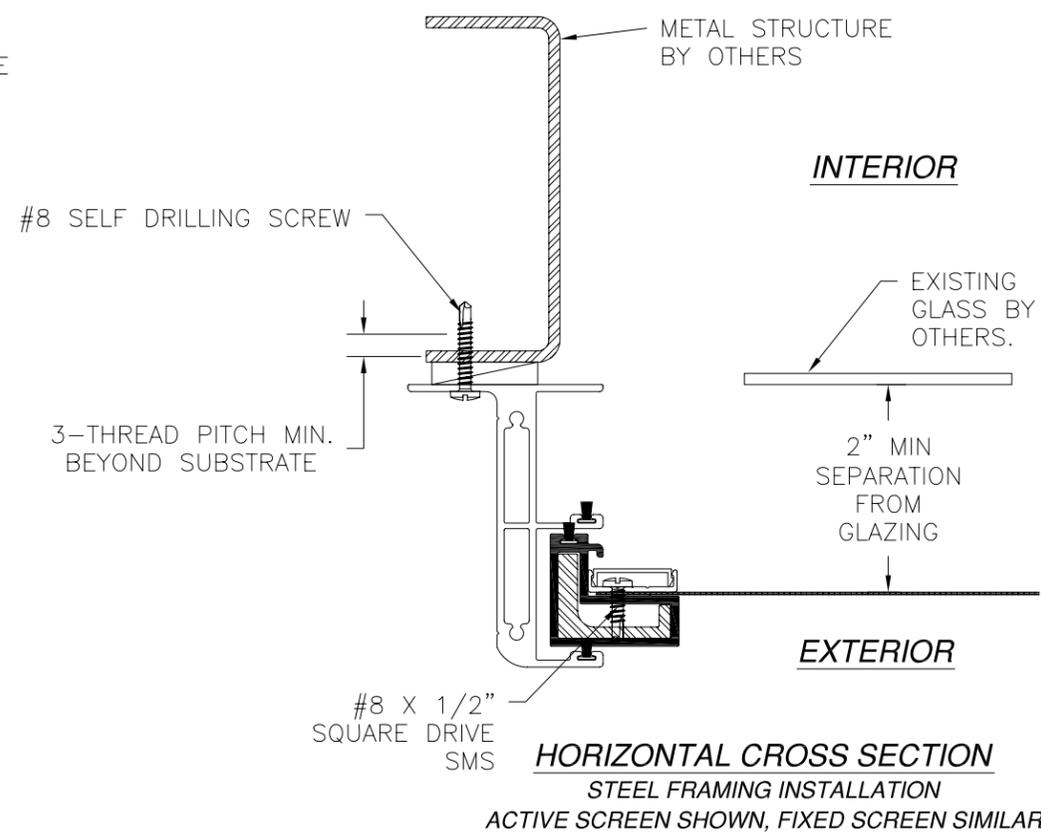
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SCALE NTS	DATE 10/24/11	SHEET 3 OF 5

Luis R. Lomas P.E.
TX NO.: 101889

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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VERTICAL CROSS SECTION
 STEEL FRAMING INSTALLATION
 ACTIVE SCREEN SHOWN, FIXED
 SCREEN SIMILAR



TAPCO, INC.
 1815 McCULLOUGH BOULEVARD
 TUPELO, MS 38801

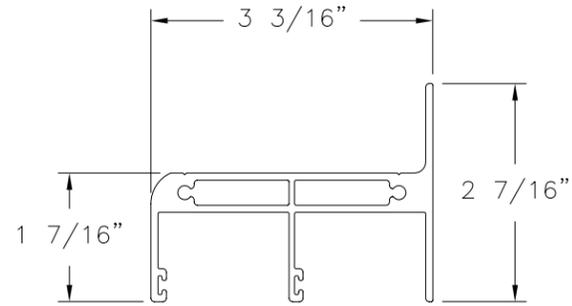
SERIES 200-16 PATIO DOOR SCREEN
 100" x 86"
 INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-01375	REV A
SCALE NTS	DATE 10/24/11	SHEET 4 OF 5

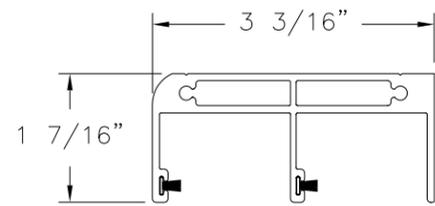


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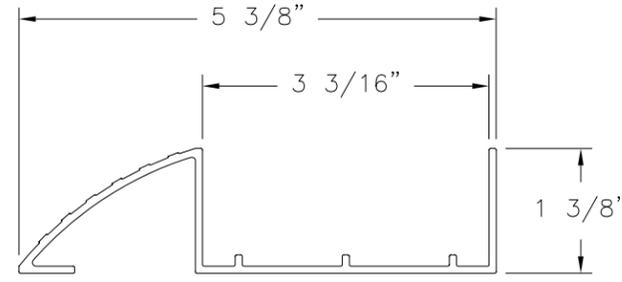
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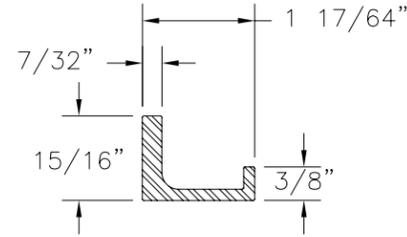
SUB FRAME
ALUMINUM 6063-T5 .080" THICK



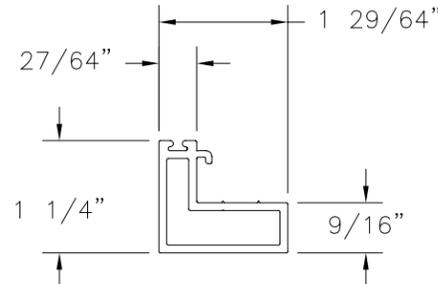
SUB FRAME
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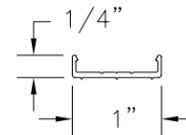
SUB FRAME
ALUMINUM 6063-T5 .080" THICK



HS FILLER
ALUMINUM 6005-T6 .125" THICK



MAIN FRAME
ALUMINUM 6063-T5 .088" THICK



FLAT BAR U-CHANNEL
ALUMINUM 6063-T5 .060" THICK

<u>HARDWARE SCHEDULE</u>	
A.	DOUBLE LOCK BOLT CAL 003
B.	DOOR HANDLE CAL 003H
C.	ROLLER WHEEL ASSEMBLY 110-2447-93

TAPCO, INC.
1815 McCULLOUGH BOULEVARD
TUPELO, MS 38801

SERIES 200-16 PATIO DOOR SCREEN
100" x 86"
COMPONENTS AND HARDWARE

DRAWN: V.L.	DWG NO. 08-01375	REV A
SCALE NTS	DATE 10/24/11	SHEET 5 OF 5

