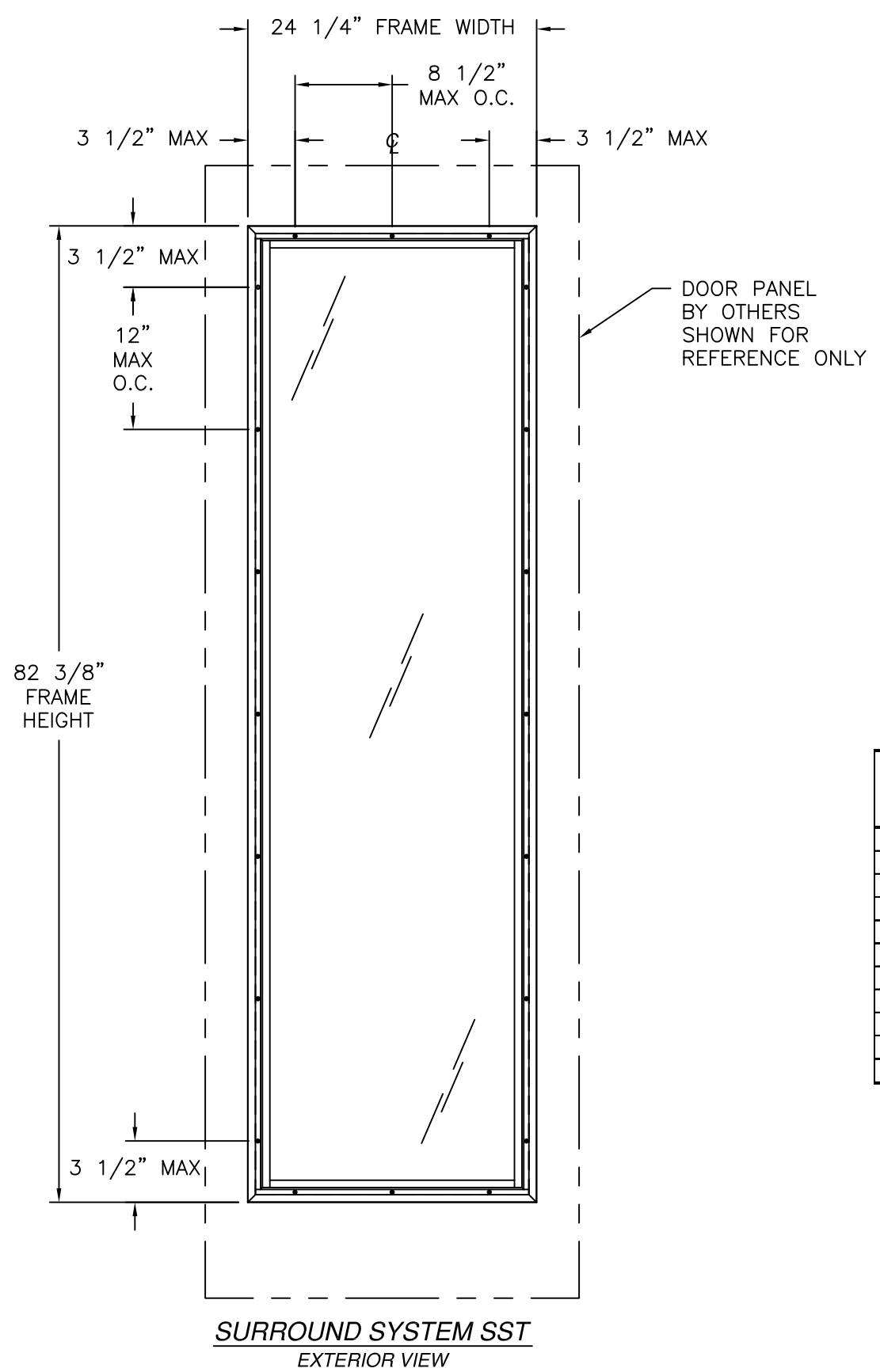




SURROUND SYSTEM SST
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE AND SMALL MISSILE IMPACT

FOR ADDITIONAL SIZES SEE CHART #1

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	ELEVATION, RATINGS AND NOTES
2	INSTALLATION DETAILS AND COMPONENTS

- NOTES:
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
 2. THESE INSTALLATION INSTRUCTIONS ARE FOR THE MUHLER SURROUND SYSTEM INSERT ONLY. FENESTRATION OR OTHER PROTECTIVE SYSTEMS MUST HAVE THEIR OWN SEPARATE APPROVAL.
 3. SURROUND SYSTEM MUST BE INSTALLED AS SHOWN HEREIN AND IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ANCHORING SPACING TO BE DETERMINED IN ACCORDANCE WITH CHART #1, SHEET 2, TO MEET REQUIRED DESIGN PRESSURE AT INSTALLATION SITE.
 4. SELECTION OF FENESTRATION AND PROTECTIVE SYSTEMS IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
 5. SURROUND SYSTEM IS IMPACT RATED AND DOES NOT REQUIRE IMPACT PROTECTION IN WIND BORNE DEBRIS REGIONS UP TO WIND ZONE 3.
 6. SURROUND SYSTEM MAY BE INSTALLED USING THE FOLLOWING IMPACT PROTECTION COVERING:
A. POLYCARBONATE 1/8" THICK MINIMUM.
B. COATED POLYETHYLENE FABRIC .060" THICK MINIMUM.
C. IMPACT PROTECTION SYSTEM APPROVED BY THE FLORIDA STATEWIDE APPROVAL SYSTEM.

Chart #1
Maximum design pressure capacity chart (psf)

Frame Height (in)	Frame width (in)																					
	24.00		30.00		36.00		42.00		48.00		54.00		60.00		66.00		72.00		78.00		82.19	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.00	50.0	75.0	50.0	71.8	50.0	64.6	50.0	60.3	50.0	57.4	50.0	55.4	50.0	53.8	50.0	52.6	50.0	51.7	50.0	50.9	50.0	50.4
30.00	50.0	71.8	50.0	68.9	50.0	59.1	50.0	53.6	50.0	50.1	47.7	47.7	45.9	45.9	44.6	44.6	43.5	43.5	42.6	42.6	40.4	40.4
36.00	50.0	64.6	50.0	59.1	50.0	57.4	50.0	50.2	45.9	45.9	43.1	43.1	41.0	41.0	39.5	39.5	38.3	38.3	35.5	35.5	33.7	33.7
42.00	50.0	60.3	50.0	53.6	50.0	50.2	49.2	49.2	43.8	43.8	40.3	40.3	37.9	37.9	35.9	35.9	33.0	33.0	30.4	30.4	28.9	28.9
48.00	50.0	57.4	50.0	50.1	45.9	45.9	43.8	43.8	43.1	43.1	38.4	38.4	34.6	34.6	31.5	31.5	28.8	28.8	26.6	26.6	25.3	25.3
54.00	50.0	55.4	47.7	47.7	43.1	43.1	40.3	40.3	38.4	38.4	34.2	34.2	30.8	30.8	28.0	28.0	25.6	25.6	23.7	23.7	22.5	22.5
60.00	50.0	53.8	45.9	45.9	41.0	41.0	37.9	37.9	34.6	34.6	30.8	30.8	27.7	27.7	25.2	25.2	23.1	23.1	21.3	21.3	20.2	20.2
66.00	50.0	52.6	44.6	44.6	39.5	39.5	35.9	35.9	31.5	31.5	28.0	28.0	25.2	25.2	22.9	22.9	21.0	21.0	19.4	19.4	18.4	18.4
72.00	50.0	51.7	43.5	43.5	38.3	38.3	33.0	33.0	28.8	28.8	25.6	25.6	23.1	23.1	21.0	21.0	19.2	19.2	17.7	17.7	16.8	16.8
78.00	50.0	50.9	42.6	42.6	35.5	35.5	30.4	30.4	26.6	26.6	23.7	23.7	21.3	21.3	19.4	19.4	17.7	17.7	16.4	16.4	15.5	15.5
82.19	50.0	50.4	40.4	40.4	33.7	33.7	28.9	28.9	25.3	25.3	22.5	22.5	20.2	20.2	18.4	18.4	16.8	16.8	15.5	15.5	14.8	14.8

THE MUHLER COMPANY
630 SKYLARK DRIVE SUITE U
CHARLESTON , SC 29407

SURROUND SYSTEM SST WITH COVERING
GLASS INSERT – IMPACT
ELEVATION, RATINGS AND NOTES

DRAWN:
A.R.

DWG NO.
08-03157

REV
-

SCALE
NTS

DATE
08/14/17

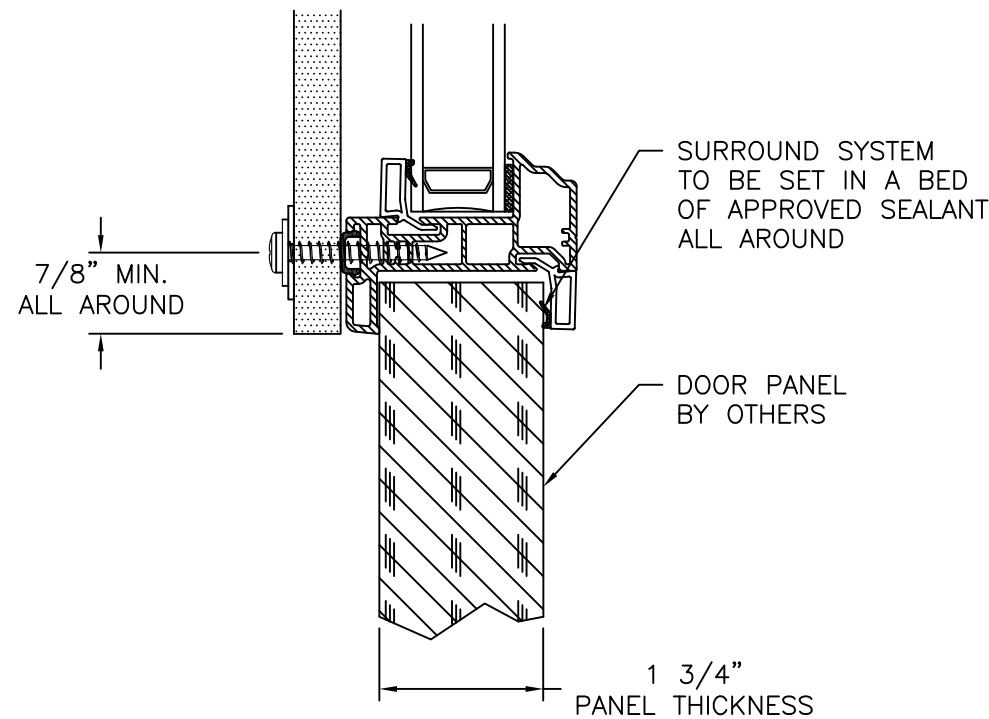
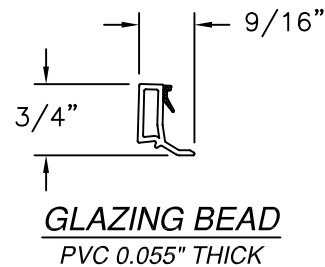
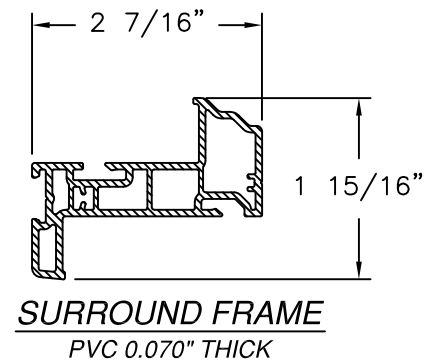
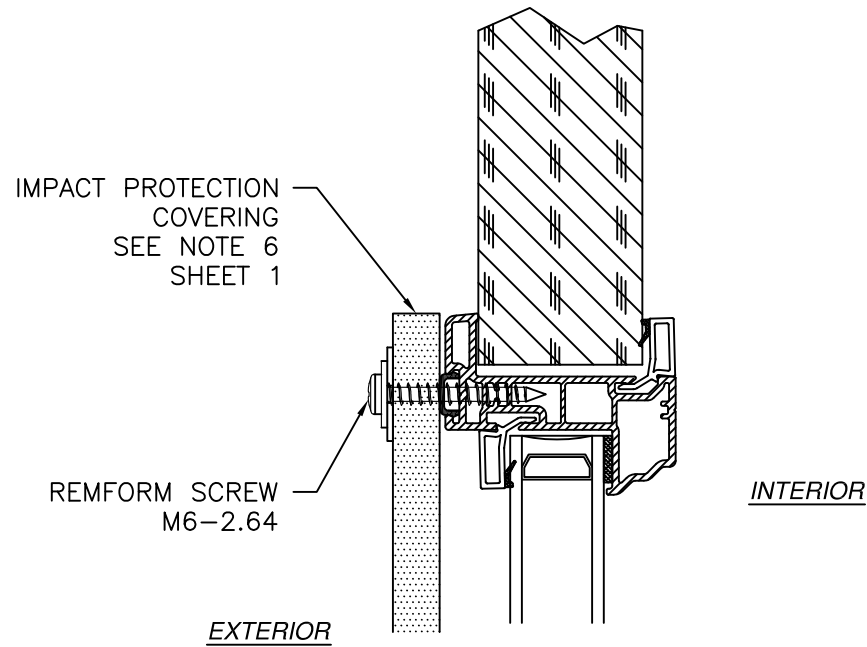
SHEET
1 OF 2

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@rlomaspe.com

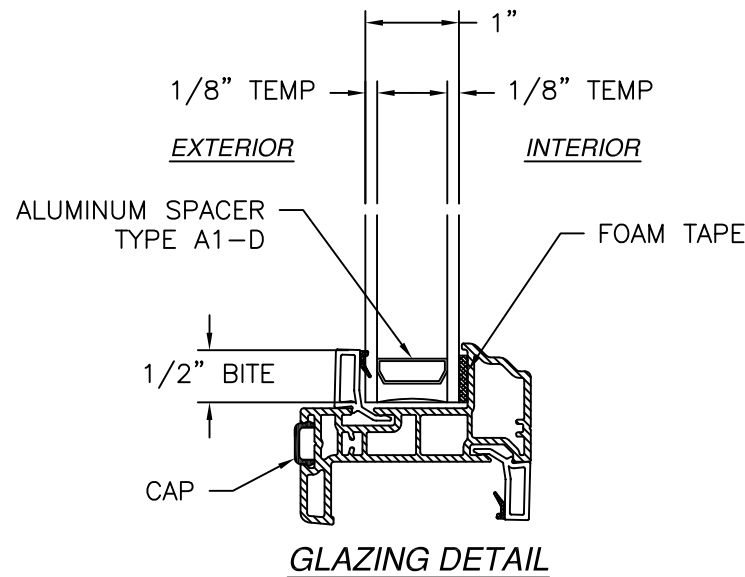
SIGNED: 08/15/2017

Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

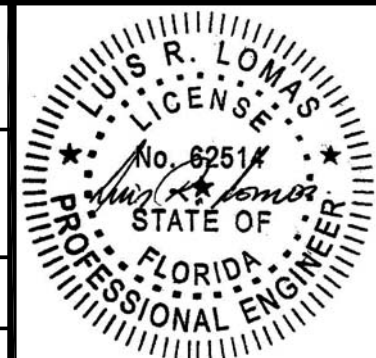


VERTICAL CROSS SECTION
INSTALLATION AND GLASS DETAIL
HEAD AND SILL SHOWN, JAMBS SIMILAR



SIGNED: 08/15/2017

THE MUHLER COMPANY 630 SKYLARK DRIVE SUITE U CHARLESTON , SC 29407		
SURROUND SYSTEM SST WITH COVERING GLASS INSERT – IMPACT INSTALLATION DETAILS AND COMPONENTS		
DRAWN: A.R.	DWG NO. 08-03157	REV -
SCALE NTS	DATE 08/14/17	SHEET 2 OF 2
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



Luis R. Lomas P.E.
FL No.: 62514