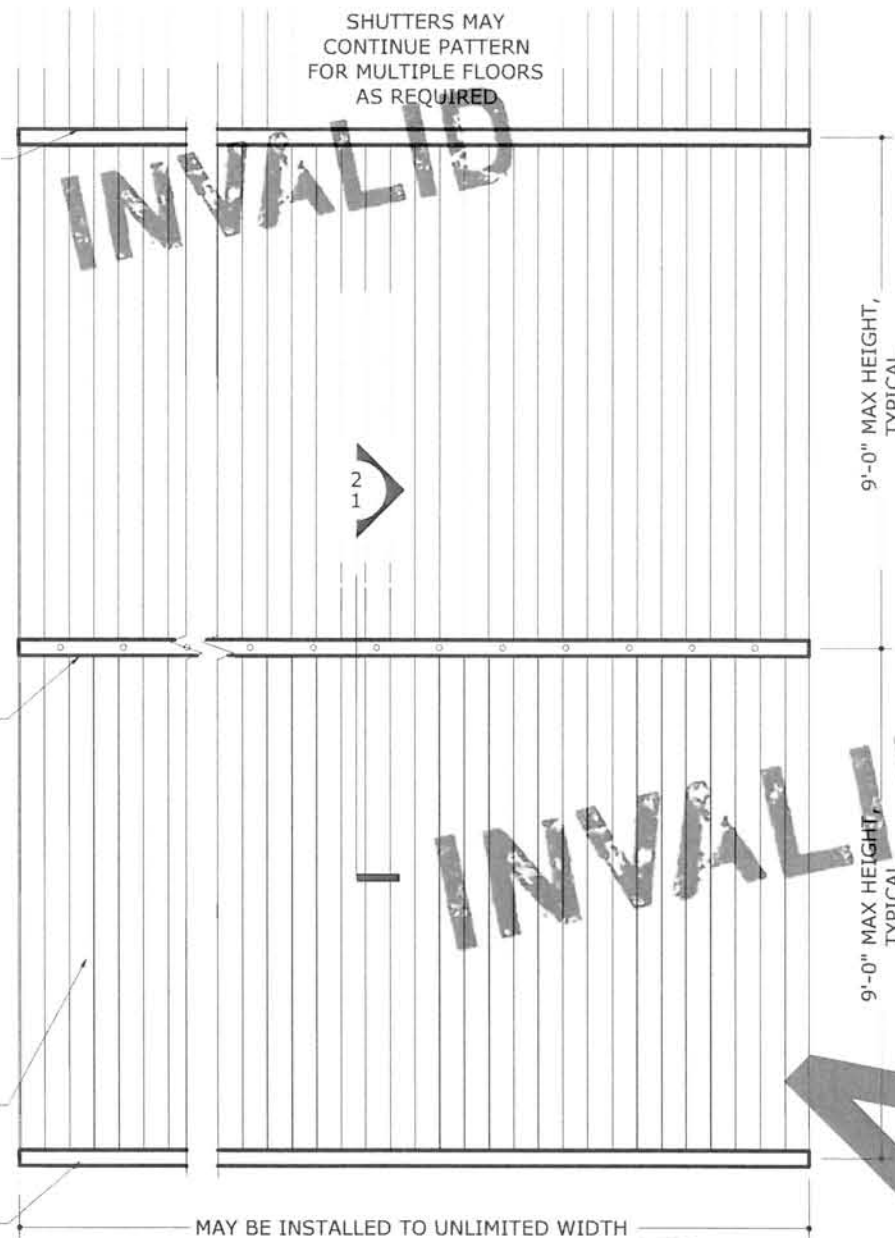


INTERMEDIATE SLAB SPAN TUBE ATTACHMENT MASTER PLAN SHEET

THIS DETAIL CERTIFIES ONLY THE CENTER SPAN TUBE ATTACHMENT TO A SLAB FOR MULTI-STORY ACCORDION SHUTTER INSTALLATIONS

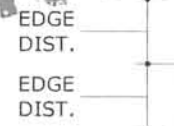
TOP TRACK AND ALL ANCHORS AND FASTENERS PER PRODUCT APPROVAL (NOT PART OF THIS CERTIFICATION)

SHUTTERS MAY CONTINUE PATTERN FOR MULTIPLE FLOORS AS REQUIRED



1 TYPICAL ELEVATION
1 N.T.S. EXTERIOR ELEVATION

3/8"x3" WEDGE BOLTS (POWERS) TO 3000 PSI MIN. CONCRETE, WITH 2 1/2" MIN EMBEDMENT AND 3" MIN EDGE DISTANCE. SPACING PER ANCHOR SPACING SCHEDULE BELOW.



ADDITIONAL SHUTTER ASSEMBLIES MAY BE INSTALLED CONTINUALLY IN THE VERTICAL DIRECTION

2"x6"x1/4" 6063-T6 ALUMINUM INTERMEDIATE BUILDOUT SPAN TUBE

ANCHORAGE TO 2"x6" TUBE PER PRODUCT APPROVAL SELECTED FOR USE WITH THIS APPLICATION. ANCHORS MUST BE APPROVED TO CONNECT TO 1/4" ALUMINUM OR ADDITIONAL ENGINEERING WILL BE REQUIRED.

ACCORDION SHUTTER ASSEMBLY, INCLUDING EXTRUSIONS, AND FASTENERS PER PRODUCT APPROVAL

ADDITIONAL SHUTTER ASSEMBLIES MAY BE INSTALLED CONTINUALLY IN THE VERTICAL DIRECTION

2 VERTICAL SECTION
1 N.T.S. VERTICAL SECTION

ANCHOR SPACING SCHEDULE:

MAXIMUM WIND PRESSURE	ANCHOR SPACING OF SPAN TUBE TO CONCRETE
70 PSF	11" O.C.
90 PSF	8.5" O.C.
110 PSF	7" O.C.

SCHEDULE NOTES:

1. MAXIMUM WIND PRESSURE IS THE LARGEST/SMALLEST DESIGN PRESSURE CALCULATED BY OTHERS FOR THE SITE-SPECIFIC INSTALLATION OF THE SHUTTER ABOVE/BELOW THE INSTALLED SPAN TUBE.
2. ANCHORS SHALL BE 3/8"x3" WEDGE BOLTS (POWERS OR MFR. EQUAL) TO 3000 PSI MIN. CONCRETE, 6" MINIMUM SLAB THICKNESS.
3. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
4. MINIMUM EMBEDMENT SHALL BE AS NOTED HEREIN. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
5. CONTRACTOR IS TO PROTECT DISSIMILAR METALS TO PREVENT CORROSION.

THIS CERTIFICATION IS ONLY VALID FOR (1) RESIDENCE OR UNIT PER SEALED COPY.

GENERAL NOTES

1. THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE SIXTH EDITION (2017)
2. THE EXISTING HOST STRUCTURE MUST BE CAPABLE OF SUPPORTING THE LOADED SYSTEM AS VERIFIED BY PERMIT HOLDER/AOR/EOR PER SEPARATE CERTIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS CONTAINED HEREIN.
3. SYSTEMS SHALL BE AS NOTED HEREIN. ALL REFERENCES TO EXTRUSIONS & INSTALLATION SHALL CONFORM TO THAT OF MANUFACTURER'S SPECIFICATIONS AS SUMMARIZED HEREIN.
4. THIS MASTER PLAN SHEET IS GENERIC AND NOT SPECIFIC TO ANY PROJECT-SITE. WHEN CONDITIONS DEVIATE FROM THOSE SHOWN IN THIS PLAN, SEPARATE SITE-SPECIFIC ENGINEERING SHALL BE REQUIRED.
5. ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
6. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

SYSTEM NOTES

ACCORDION SHUTTER SYSTEM(S) MAY BE BY ANY MANUFACTURER, PROVIDED PRODUCT APPROVAL DOCUMENTATION ALLOWS SPAN(S), CONFIGURATION(S), DESIGN PRESSURE(S), etc AS SHOWN HEREIN.

ACCORDION SHUTTER SYSTEM(S) FOR USE WITH THIS PLAN SHALL HAVE MINIMUM/MAXIMUM HEADER TRACK DIMENSIONS AS SHOWN HEREIN. HEADER AND SILL TRACK ASSEMBLIES SHALL BE OF 6063-T6 ALUMINUM ALLOY AND TEMPER.

ABOUT THIS DOCUMENT

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CERTIFYING ENGINEER AND CERT. OF AUTH. AS LISTED ON STAMP

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INTERMEDIATE SLAB SPAN TUBE ATTACHMENT MASTER PLAN SHEET

REMARKS
UPDATE FOR 2017 FBC
DRWN CHKD DATE
JAC FLB 02/09/18

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SCALE: NTS UNLESS NOTED

1 OF 1

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