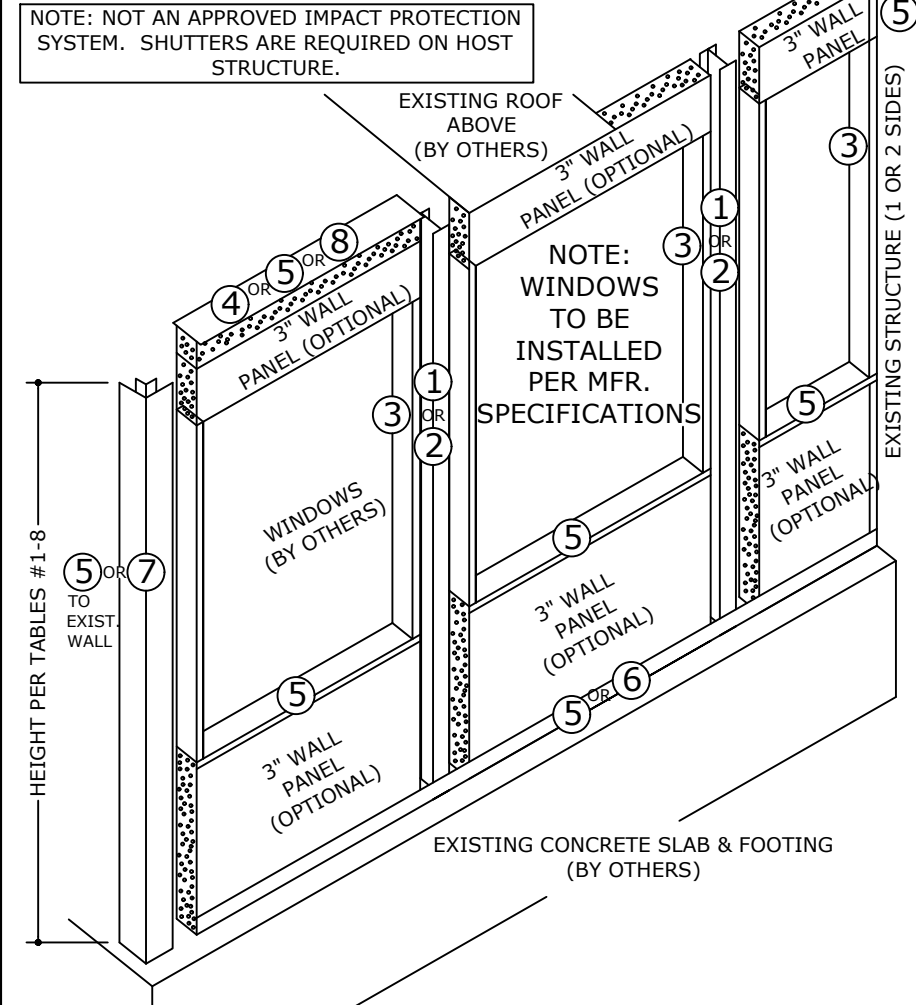


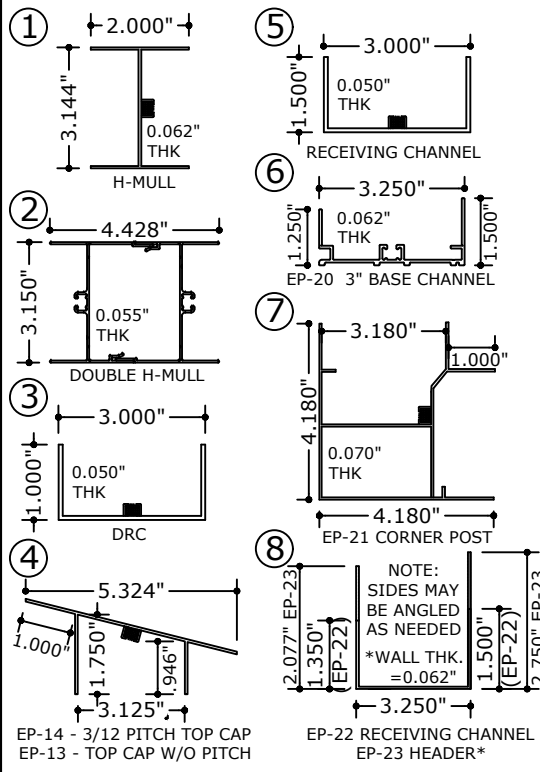
3" ADD-A-ROOM PATIO INFILL EDITION

DETAILS NOT SHOWN TO SCALE FOR CLARITY.

3" ADD-A-ROOM ELEVATION:



EXTRUSIONS: 6063-T6 ONLY (THERMAL BREAK OPTIONAL)



GENERAL NOTES:

- THIS STRUCTURE HAS BEEN DESIGNED & COMPLIES WITH THE REQUIREMENTS OF THE 2014 FLORIDA BUILDING CODE. STRUCTURE SHALL BE FABRICATED IN ACCORDANCE WITH ALL GOVERNING CODES. CONTRACTOR SHALL INVESTIGATE AND CONFORM TO ALL LOCAL BUILDING CODE AMENDMENTS WHICH MAY APPLY. DESIGN CRITERIA OR SPANS BEYOND STATED HEREIN MAY REQUIRE ADDITIONAL SITE SPECIFIC SEALED ENGINEERING. ALL LOADS BASED ON CATEGORY II, Kd=0.85, PARTIALLY ENCLOSED (Gcpi=+/-0.55), 15' MRH, EXPOSURE 'C' & 'D', 30' MRH, EXPOSURE 'B', PER ASCE 7-10.
- ** THIS DOCUMENT SHALL NOT BE USED OR REPRODUCED WITHOUT THE ORIGINAL SIGNATURE & RAISED SEAL OF C.T. "GUS" TARNOWSKI, P.E. ON THIS DRAWING. ALTERATIONS, ADDITIONS, HIGHLIGHTING, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.
- THE EXISTING STRUCTURE MUST BE CAPABLE OF SUPPORTING THE LOADED GLASS WALL STRUCTURE AS DETERMINED BY OTHERS OR BY SPECIAL ENGINEERING BY UNDERSIGNED ENGINEER ATTACHED HERETO. NO WARRANTY IS CONTAINED HEREIN.
- COMPOSITE WALL MEMBERS SHALL BE CONSTRUCTED USING MINIMUM TYPE 3005-H25 ALUMINUM FACINGS, (1) OR (2) PCF ASTM C-578 CARPENTER BRAND EPS ADHERE TO ALUMINUM FACINGS WITH ASHLAND CHEMICAL 2020D ISO GRIP. FABRICATION TO BE BY ELITE PANEL PRODUCTS ONLY IN ACCORDANCE WITH APPROVED FABRICATION METHODS.
- ALL EXTRUSIONS SHALL BE ALUMINUM ALLOY TYPE 6063-T6 ONLY.
- ALL FASTENERS TO BE 2024-T4 OR 7075-T73 ALLOY, NON-MAGNETIC STAINLESS STEEL, OR CADMIUM PLATED OR OTHER CORROSION RESISTANT MATERIAL AND SHALL COMPLY WITH SECTION 5, 2010 ALUMINUM DESIGN MANUAL, THE ALUMINUM ASSOCIATION, INC., & APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
- FASTENERS SHALL HAVE A 1/2" DIA. HEAD OR BE PROVIDED WITH 1/2" DIAMETER WASHER MINIMUM UNLESS NOTED OTHERWISE.
- ALL CONNECTIONS SHALL BE BOLTED OR FASTENED WITH SHEET METAL SCREWS AS SHOWN AND IN ACCORDANCE WITH PROPER FASTENING METHODS AND CODES. ANY FASTENER STRIPPED OR NOT ADEQUATELY HOLDING SHALL BE REPLACED.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALUMINUM MEMBERS FROM DISSIMILAR METALS TO PREVENT ELECTROLYSIS.
- WINDOWS AND DOORS SHALL BE BY OTHERS IN ACCORDANCE WITH REQUIRED WIND PRESSURES STATED IN TABLES & SHALL MEET ALL PRODUCT APPROVAL REQUIREMENTS. THIS ENCLOSURE IS NOT IMPACT RESISTANT. SHUTTERS SHALL NOT BE INSTALLED TO THIS ENCLOSURE. WHEN REQUIRED BY CODE, AN APPROVED IMPACT PROTECTION SYSTEM SHALL BE INSTALLED AT THE HOST STRUCTURE. HOST STRUCTURE DOORS AND WINDOWS ARE NOT TO BE REMOVED EXITING TO THIS ENCLOSURE. THIS ENCLOSURE IS NON-HABITABLE UNCONDITIONED SPACE AND CANNOT ACCEPT SHUTTER MOUNTING.
- ALL TAPCONS MUST BE ITW CARBON STEEL TAPCONS OR EQUIVALENT W/ 1 1/4" EMBED, 3" MIN. EDGE DISTANCE (UNLESS NOTED OTHERWISE), FASTENED TO MINIMUM 2500PSI CONCRETE, SAE GRADE 5 STEEL MIN.
- MAXIMUM AVERAGE COLUMN SPACING = 5FT, MAX COLUMN HEIGHT = 12FT, MAX WALL LOAD = 62.30PSF (PER COMPONENTS & CLADDING). CONNECTIONS VALID UP TO MAX WIND VELOCITY & EXPOSURE = 180MPH, 'D'. SITE SPECIFIC ENGINEERING REQUIRED FOR ANY DETAIL WHICH DEVIATES FROM THIS PLAN OR BEYOND THESE LIMITATIONS.
- ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, ET AL. INDEMNIFIES AND SAVES HARMLESS THIS ENGINEER FOR ALL COSTS AND DAMAGES INCLUDING LEGAL FEES AND APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, AND CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, AND FEDERAL CODES AND FROM DEVIATIONS OF THIS PLAN.
- EXCEPT AS EXPRESSLY PROVIDED IN THIS SPECIFICATION, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

COLUMN ALLOWABLE HEIGHT TABLES: VALID UP TO EXPOSURE 'C' MRH = 15FT, EXPOSURE 'B' MRH = 30FT, SITE SPECIFIC REQUIRED BEYOND

TABLE 1: 130MPH, EXPOSURE 'B'

COLUMN	COLUMN SPACING							
	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	
3" H-Mull + DRCs + Window Jambes	12'-0"	11'-1"	10'-3"	9'-8"	9'-2"	8'-9"	8'-5"	
Double H-Mull + DRCs + Window Jambes	12'-0"	12'-0"	11'-11"	11'-3"	10'-8"	10'-2"	9'-10"	

DESIGN PRESSURE: +/-22.10 PSF (FOR USE WITH WINDOWS)

TABLE 3: 140MPH, EXP 'C', 150MPH, EXP 'B'

COLUMN	COLUMN SPACING							
	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	
3" H-Mull + DRCs + Window Jambes	10'-6"	9'-9"	9'-0"	8'-6"	8'-1"	7'-8"	7'-5"	
Double H-Mull + DRCs + Window Jambes	11'-4"	11'-4"	10'-6"	9'-10"	9'-4"	9'-0"	8'-7"	

DESIGN PRESSURE: +/-31.00 PSF (FOR USE WITH WINDOWS)

TABLE 5: 160MPH, EXP 'C', 170MPH, EXP. 'B'

COLUMN	COLUMN SPACING							
	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	
3" H-Mull + DRCs + Window Jambes	9'-6"	8'-8"	8'-1"	7'-7"	7'-2"	6'-11"	6'-7"	
Double H-Mull + DRCs + Window Jambes	10'-9"	10'-1"	9'-5"	8'-10"	8'-5"	8'-0"	7'-8"	

DESIGN PRESSURE: +/-40.60 PSF (FOR USE WITH WINDOWS)

TABLE 7: 180MPH, EXP 'D' [HVHZ]

COLUMN	COLUMN SPACING							
	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	
3" H-Mull + DRCs + Window Jambes	7'-6"	7'-2"	6'-8"	6'-3"	5'-9"	5'-5"	5'-2"	
Double H-Mull + DRCs + Window Jambes	8'-10"	8'-3"	7'-8"	7'-3"	6'-10"	6'-6"	6'-2"	

DESIGN PRESSURE: +/-62.30 PSF (FOR USE WITH WINDOWS)

TABLE 1-7 NOTES:

- 2010 ALUMINUM DESIGN MANUAL, ALLOWABLE STRESS DESIGN METHOD USED IN ALL TABLES.
- USE APPROPRIATE TABLE REQUIRED BY THE FLORIDA BUILDING CODE & GOVERNING LOCAL BUILDING CODES. VERIFY REQUIREMENTS WITH BUILDING DEPARTMENT.
- DEFLECTION LIMIT = L/180.
- MAXIMUM SOLID WALL COLUMN HEIGHTS & REQUIRED WORST CASE DESIGN PRESSURES NOTED IN TABLES 1-8.
- LOADING CRITERIA CONSIDERED IS THE COMPONENTS & CLADDING PRESSURE (CATEGORY II, EXPOSURE 'C' & 'D' MRH=15FT, EXPOSURE 'B' MRH=30FT, ZONE 4 & 5 WEIGHTED AVERAGE) ON THE WALL ONLY.
- CUSTOM WINDOWS SERIES 3500 WINDOW JAMBES USED FOR CALCULATIONS, ANY ELITE ALUMINUM WINDOWS CAN BE SUBSTITUTED, OR OTHER MANUFACTURER EQUIVALENT WINDOW.
- COLUMN SPACING IS HALF THE DISTANCE TO THE LEFT ADDED TO HALF THE DISTANCE TO THE RIGHT OF THE BEAM (AVERAGE COLUMN SPACING).
- VALUES BELOW ALLOWABLE CEILING HEIGHT INTENDED TO BE BUILT ON KNEEWALLS OR OTHER SUPPORTING STRUCTURES (CERTIFIED BY OTHERS).
- ALL WIND SPEEDS SHOWN ARE ULTIMATE DESIGN WIND SPEEDS (Vult)

TABLE 2: 130MPH, EXP 'C', 140MPH, EXP 'B'

COLUMN	COLUMN SPACING							
	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	
3" H-Mull + DRCs + Window Jambes	11'-1"	10'-4"	9'-7"	9'-1"	8'-7"	8'-3"	7'-11"	
Double H-Mull + DRCs + Window Jambes	12'-0"	12'-0"	11'-2"	10'-6"	10'-0"	9'-7"	9'-2"	

DESIGN PRESSURE: +/-26.70 PSF (FOR USE WITH WINDOWS)

TABLE 4: 150MPH, EXP 'C', 160MPH, EXP 'B'

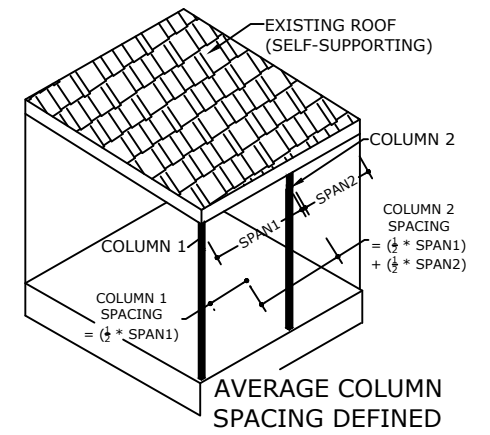
COLUMN	COLUMN SPACING							
	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	
3" H-Mull + DRCs + Window Jambes	9'-9"	9'-2"	8'-6"	8'-0"	7'-7"	7'-3"	7'-0"	
Double H-Mull + DRCs + Window Jambes	11'-4"	10'-8"	9'-11"	9'-4"	8'-10"	8'-5"	8'-2"	

DESIGN PRESSURE: +/-35.70 PSF (FOR USE WITH WINDOWS)

TABLE 6: 170MPH, EXP 'C'

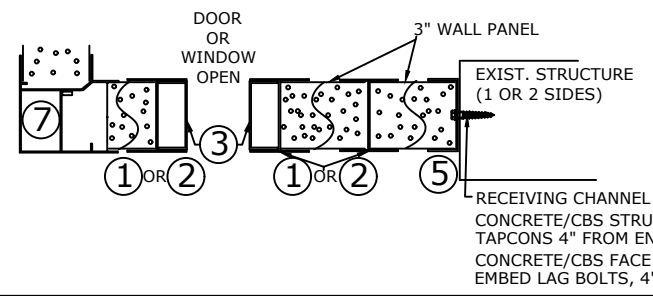
COLUMN	COLUMN SPACING							
	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	
3" H-Mull + DRCs + Window Jambes	8'-9"	8'-3"	7'-8"	7'-3"	6'-10"	6'-5"	6'-1"	
Double H-Mull + DRCs + Window Jambes	10'-5"	9'-7"	8'-11"	8'-5"	8'-0"	7'-7"	7'-4"	

DESIGN PRESSURE: +/-45.80 PSF (FOR USE WITH WINDOWS)



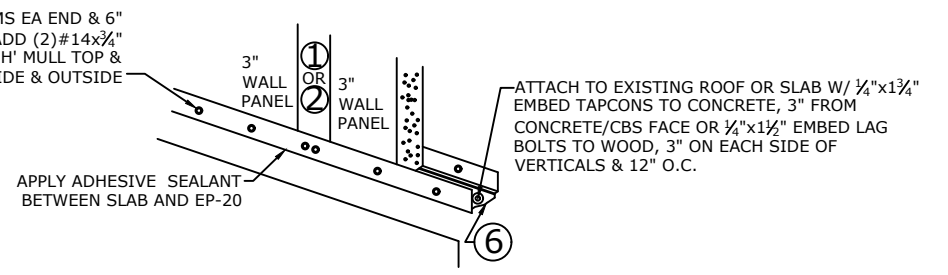
A CONNECTION TO EXISTING WALL

(**SEE GENERAL NOTE #11 FOR DESIGN PARAMETERS)



B CONNECTION TO EXISTING SLAB/ROOF

(**SEE GENERAL NOTE #11 FOR DESIGN PARAMETERS)



C.T. "GUS" TARNOWSKI
PE0050662



VALID FOR (1) JOB(S) ONLY
VALID ONLY WITH RAISED ENGINEER SEAL

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REMARKS: FBC2014 ISSUE

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