

214-0290  
Bldg.

# CITY OF NAPOLEON GENERAL PERMIT APPLICATION

THIS APPLICATION IS FOR RESIDENTIAL CONSTRUCTION INCLUDING BUILDING, ELECTRICAL, PLUMBING, MECHANICAL & REMODELING

DATE 8-12-14 JOB LOCATION 110 Capri; Napoleon rd. 43545

OWNER Barbara Buchholz TELEPHONE # 419-966-8589

OWNER ADDRESS Same as above

CONTRACTOR Champion windows CELL PHONE # 419-346-1389

DESCRIPTION OF WORK TO BE PERFORMED Enclose Back Porch with

Two 3-Season walls. 31'x12'

ESTIMATED COMPLETION DATE 10/8/14 ESTIMATED COST 17,500

Affected Floor Area (AFA): In existing structures, it is the area affected by the improvement, i.e. a new wall dividing a room (the AFA would be only the room and not all the rooms).

DESCRIPTION	FEE	TOTAL COST
<b>BUILDING:</b>		
<i>Decks</i>	\$25.00	\$
<i>Addition &amp; Alterations</i> Square foot in (AFA) <u>372</u> x \$0.05 = \$ <u>18.60</u> +	\$25.00	= \$ <u>43.60</u>
<i>Garage and Shed over 200 SF (Detached)</i>	\$25.00	\$
<i>Siding and/or Roofing</i>	\$25.00	\$
<i>Windows/Doors</i>	\$25.00	\$
<b>ELECTRICAL:</b>		
<i>Electrical</i> Circuits in (AFA) _____ x \$3.00/Circuit = \$ _____ +	\$25.00	= \$ _____
<i>Electrical Service Upgrade</i>	\$25.00	\$
<b>MECHANICAL:</b>		
<i>Water Heater</i>	\$25.00	\$
<i>Furnace and/or AC Replacement</i>	\$25.00	\$
<b>PLUMBING:</b>		
<i>Plumbing</i> Traps in (AFA) _____ x \$3.00/Trap = \$ _____ +	\$25.00	= \$ _____
<b>TOTAL plus Ohio Board of Building Standards Fee 1% \$ <u>.44</u></b>		

TOTAL FEE: \$ 44.04

I FULLY UNDERSTAND THAT NO EXCAVATION, CONSTRUCTION OR STRUCTURAL ALTERATION, ELECTRICAL OR MECHANICAL INSTALLATION OR ALTERATION OF ANY BUILDING STRUCTURE, SIGN, OR PART THEREOF AND NO USE OF THE ABOVE SHALL BE UNDERTAKEN OR PERFORMED UNTIL THE PERMIT APPLIED FOR HEREIN HAS BEEN APPROVED AND ISSUED BY THE CITY OF NAPOLEON BUILDING/ZONING DEPARTMENT.

I hereby certify that I am the Owner of the named property, or that the proposed work is authorized by the Owner of record and that I have been authorized by the Owner to make this application as his/her authorized agent and I agree to conform to all applicable laws of the jurisdiction. In addition, if a permit for Work described in this application is issued, I certify that the code official or the code official's authorized representative shall have the authority to enter areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit.

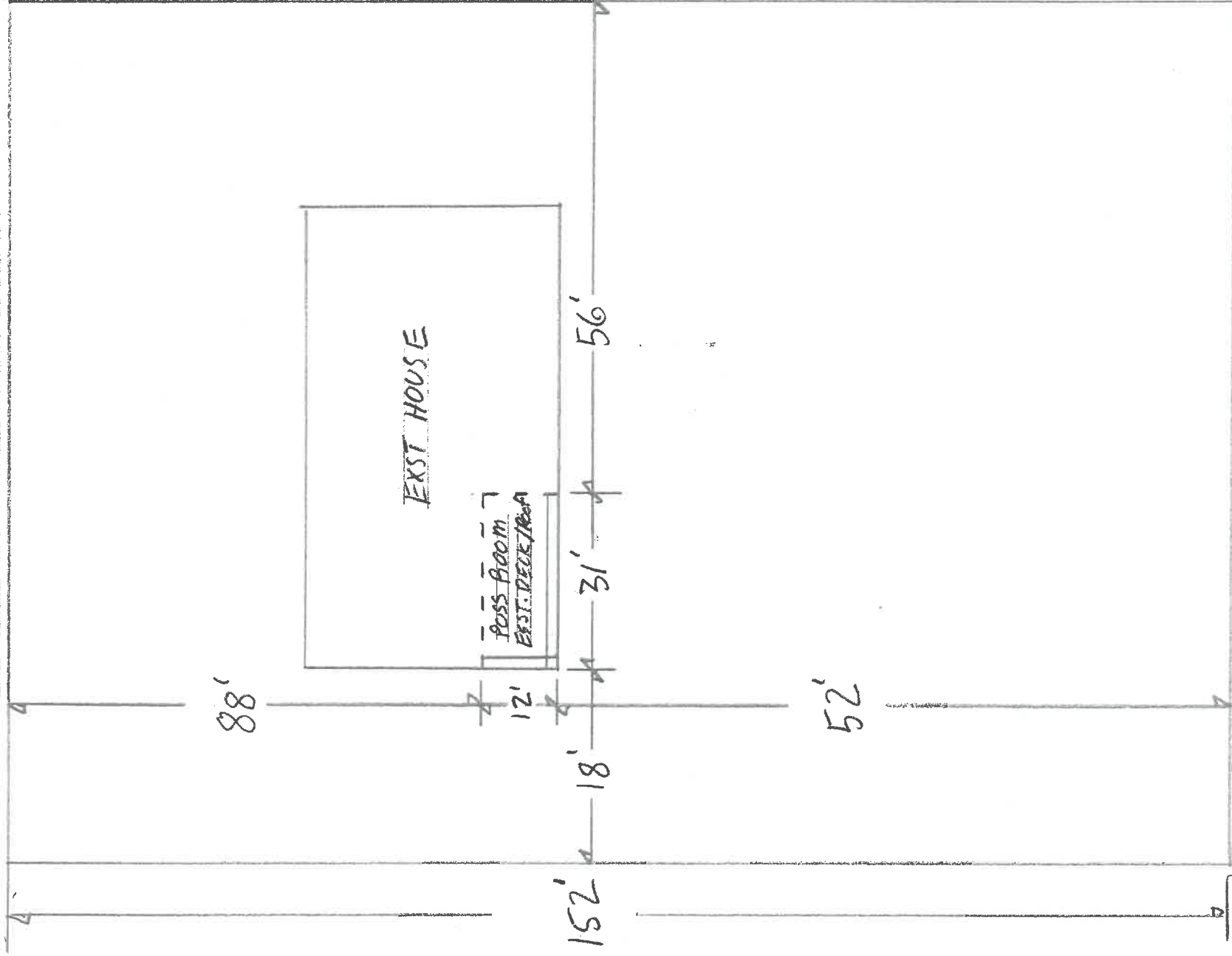
I HEREBY ACKNOWLEDGE THAT I HAVE READ AND FULLY UNDERSTAND THE ABOVE LISTED INSTRUCTIONS.

SIGNATURE OF APPLICANT: Ray Clark  
PRINT NAME: Ray Clark

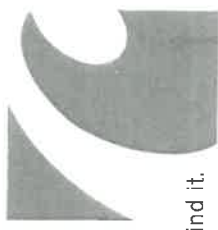
DATE: 8-12-14

PERMIT # \_\_\_\_\_ BATCH # 30609 CHECK # 51372 DATE 8-20-14

110 CAPRI NAPOLEON



08-12-14P01:03 RCVD



105' We build it. We install it. We stand behind it.

FACTORY DIRECT SINCE 1953

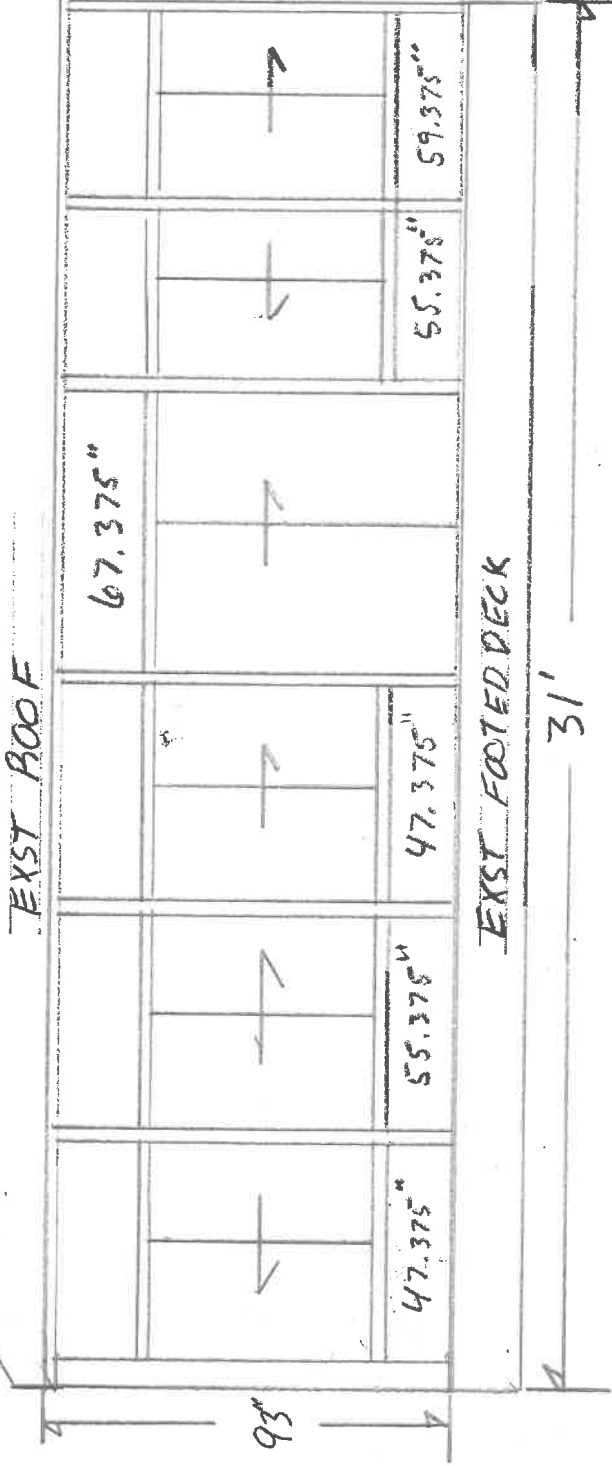
# Champion

WINDOWS • SIDING PATIO ROOMS

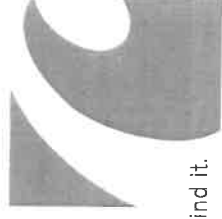
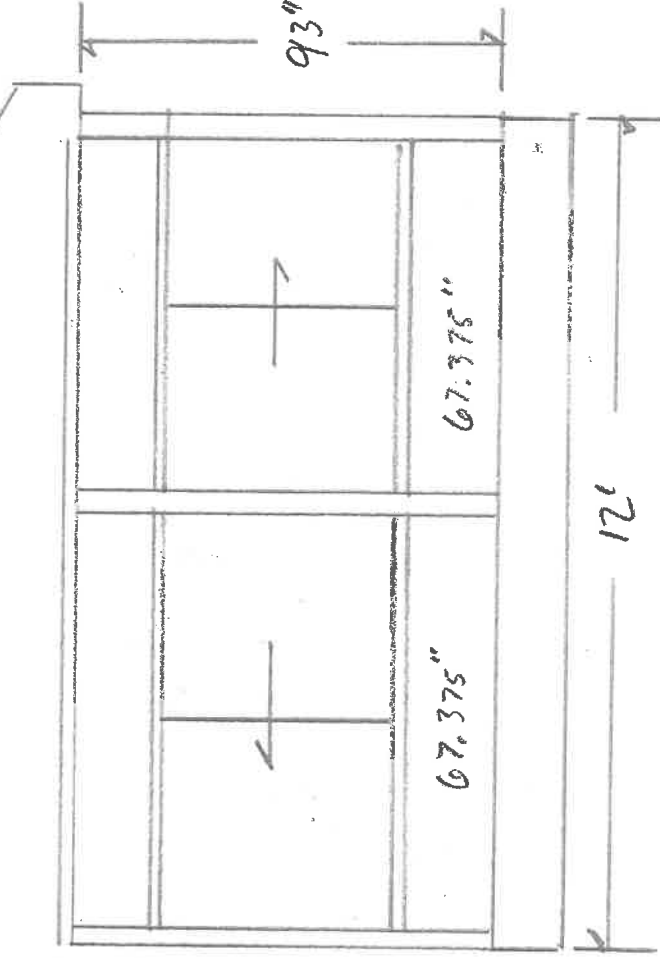
6214 Monclova Rd. • Maumee, OH 43537  
419.841.0154 • 888.338.7900 • Fax 419.843.8073  
ChampionFactoryDirect.com

FRONT WALL

EXST ROOF

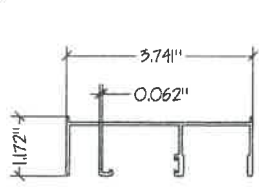


SIDE WALL

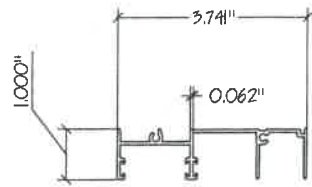


We build it. We install it. We stand behind it.

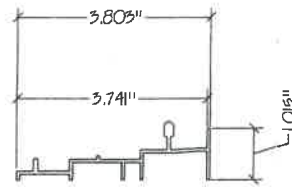
# WALLS ONLY



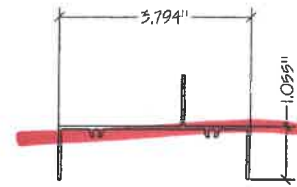
① WINDOW / DOOR FRAME HEAD



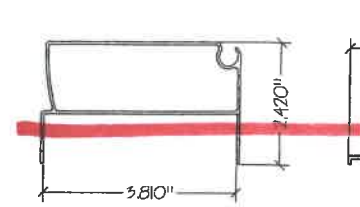
② WINDOW / DOOR FRAME JAMB



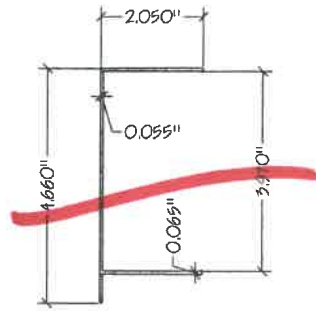
③ WINDOW / DOOR FRAME SILL



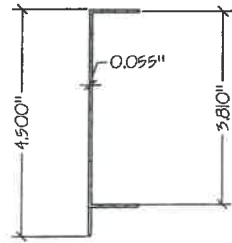
④ TRANSOM FRAME



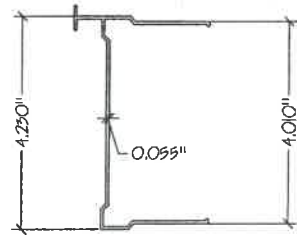
⑤ HEADER BASE



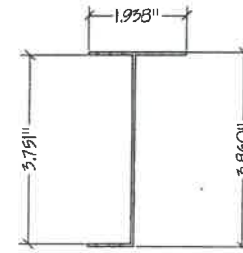
⑦ 4" EXPANDER



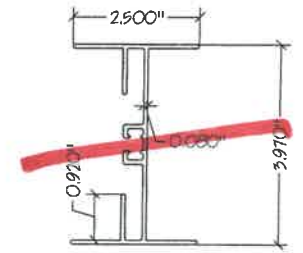
⑧ 4" F-CHANNEL



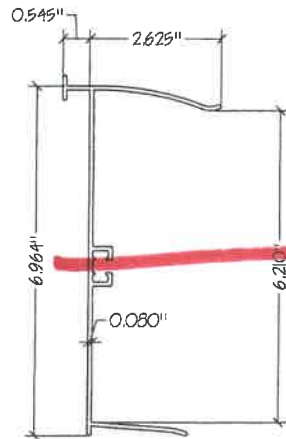
⑨ 4" HANGER BASE



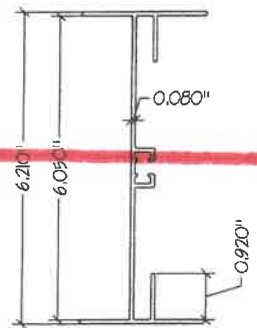
⑩ 4" SILL EXTRUSION



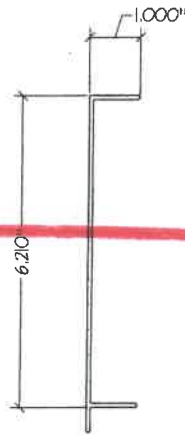
⑪ 4" I-SECTION THERM



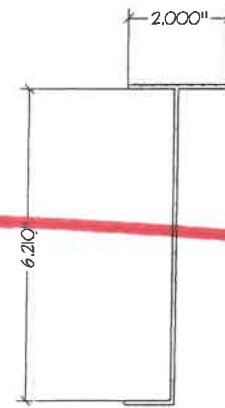
⑬ 6" HANGER BASE



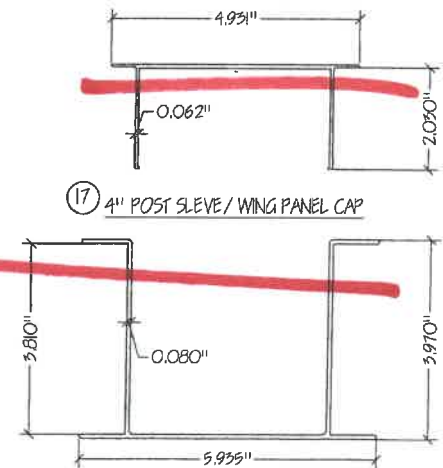
⑭ 6" I-BEAM



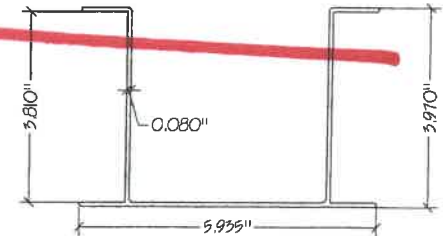
⑮ 6" F-CHANNEL



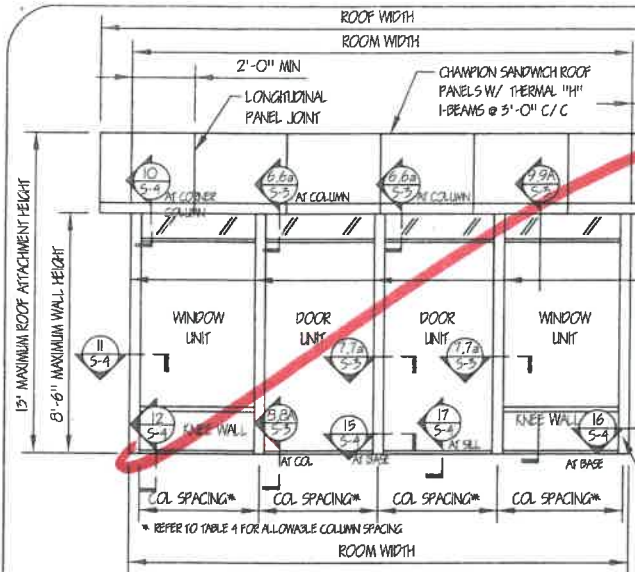
⑯ 6" SILL



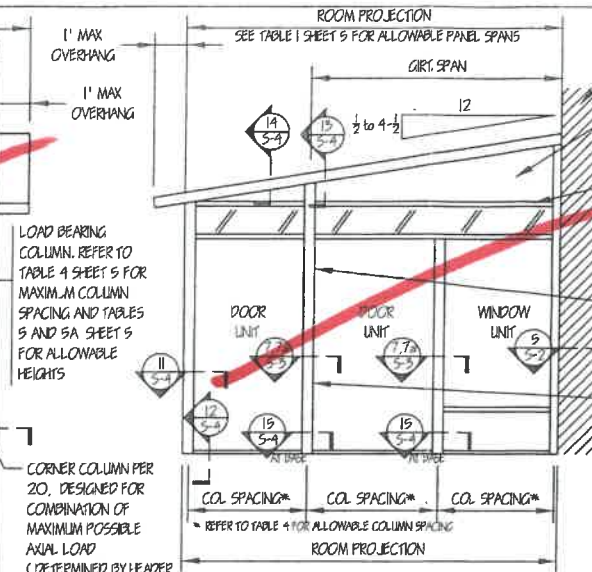
⑰ 4" POST SLEEVE / WING PANEL CAP



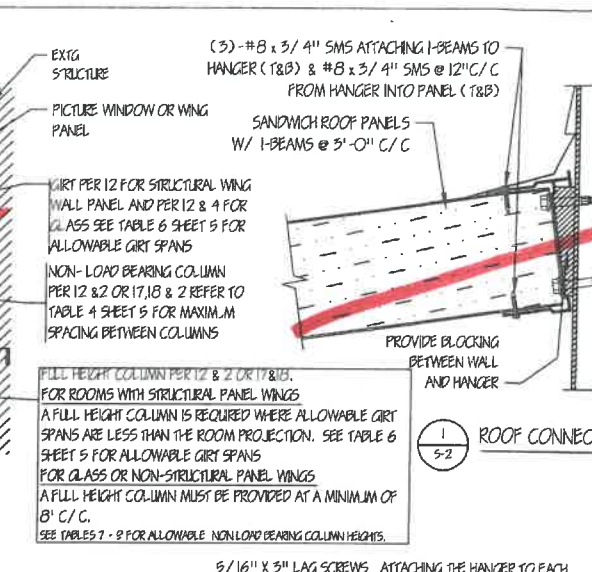
⑱ 4" POST SLEEVE



PATIO ENCLOSURE FRONT ELEVATION



PATIO ENCLOSURE SIDE ELEVATION



1 ROOF CONNECT

WIND ZONE*	MAX ROOM PROJECTION (PD)
1	1.1 X ROOM WIDTH
2	1.0 X ROOM WIDTH
3	0.9 X ROOM WIDTH
4	0.8 X ROOM WIDTH

\* REFER TO TABLE 5 FOR WIND ZONE DESIGNATION

2 SETS OF 5/16" X 3" LAG SCREWS WITH 1" WASHER @ 16" C/C CONNECTING EACH END OF THE ROOF DIAPHRAGM TO A TIMBER FRAMED STRUCTURE OR

2 SETS OF (2) -1/4" X 3-3/4" HILTI KWIK-CON II+ ANCHORS @ 12" C/C CONNECTING THE END OF THE ROOF DIAPHRAGM TO A MASONRY STRUCTURE.

CORNER COLUMN PER 20, DESIGNED FOR COMBINATION OF MAXIMUM POSSIBLE AXIAL LOAD (DETERMINED BY HEADER CAPACITY) AND WIND ZONE 4 (PER TABLE A SHEET 5)

(3) -#8 x 3/4" SMS ATTACHING I-BEAMS TO PANEL (T&B) & #8 x 3/4" SMS @ 12" C/C INTO PANEL

SANDWICH PANEL ROOF W/ THERMAL 1/4" I-BEAMS @ 3'-0" C/C

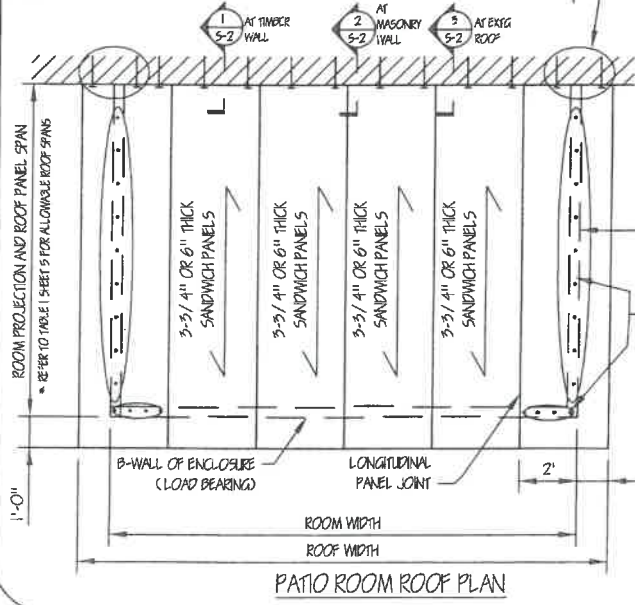
(2) -1/4" X 3-3/4" HILTI KWIK-CON II ANCHORS @ 12" C/C FOR ROOF REACTION LOADS UP TO 400 PLF\*

\* REFER TO TABLE 2 SHEET 5 FOR ROOF REACTION LOADS

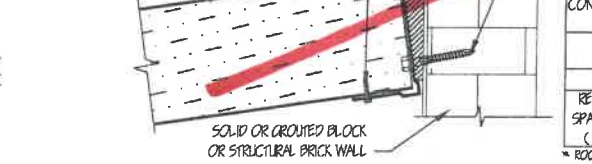
5/16" X 3" LAG SCREWS ATTACHING THE HANGER TO EACH RAFTER TAL AND ATTACHING THE HANGER TO THE BLOCKING PER THE SCHEDULE BELOW

HANGER BASE PER 9 OR 13

(3) -#8 x 3/4" SMS (T&B) ATTACHING I-BEAMS TO PANEL & #8 x 3/4" SMS @ 12" C/C INTO PANEL (T&B)



PATIO ROOM ROOF PLAN



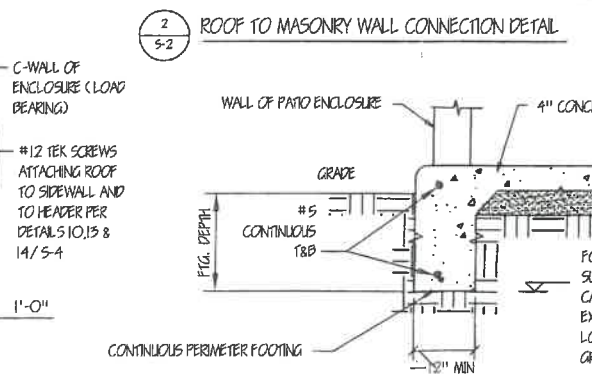
2 ROOF TO MASONRY WALL CONNECTION DETAIL

ROOF REACTION*							
REQ'D SPACING (IN)	100	150	200	250	300	350	450
	16"	16"	12"	10"	8"	7"	5"

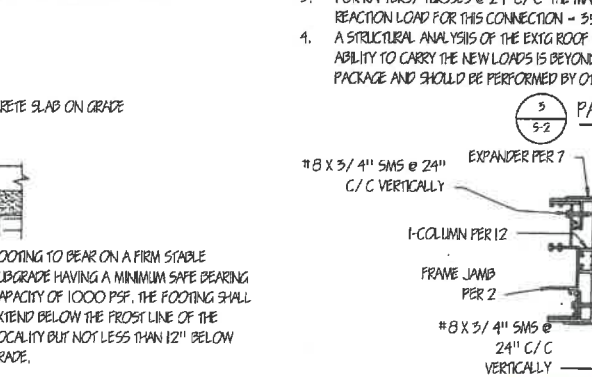
\* ROOF REACTION FROM TABLE 2 SHEET 5

NOTES

- WOOD FRAMING SHALL HAVE A MINIMUM SPEC FOR RAFTERS/ TRUSSES @ 16" C/C THE MAX ROOM ROOF REACTION LOAD FOR THIS CONN FOR RAFTERS/ TRUSSES @ 24" C/C THE MAX REACTION LOAD FOR THIS CONNECTION = 35%
- A STRUCTURAL ANALYSIS OF THE EXTG ROOF F ABILITY TO CARRY THE NEW LOADS IS BEYOND PACKAGE AND SHOULD BE PERFORMED BY OT

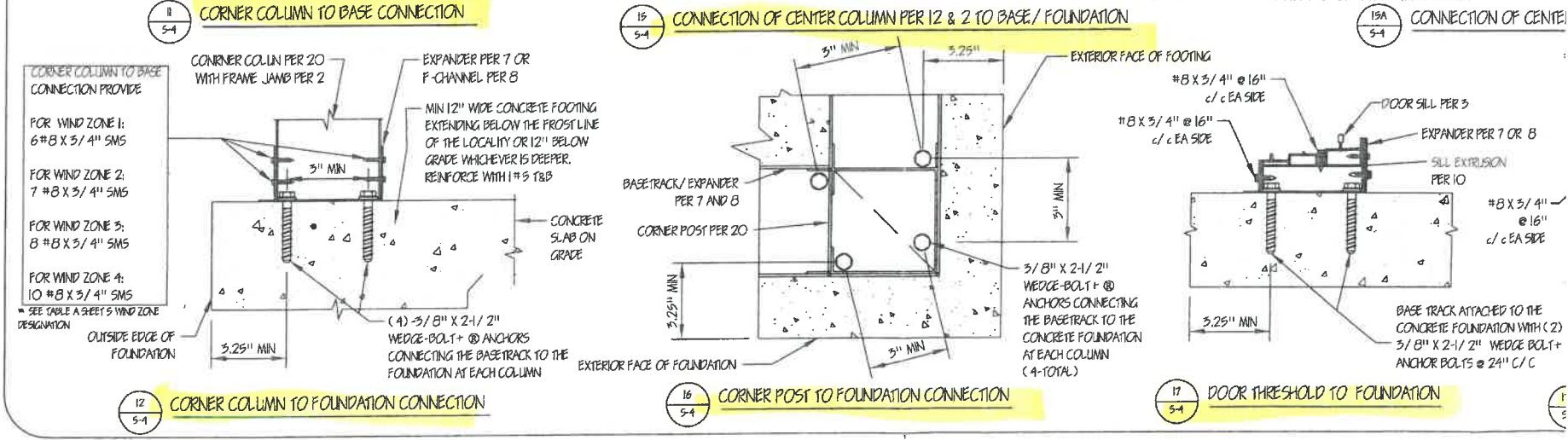
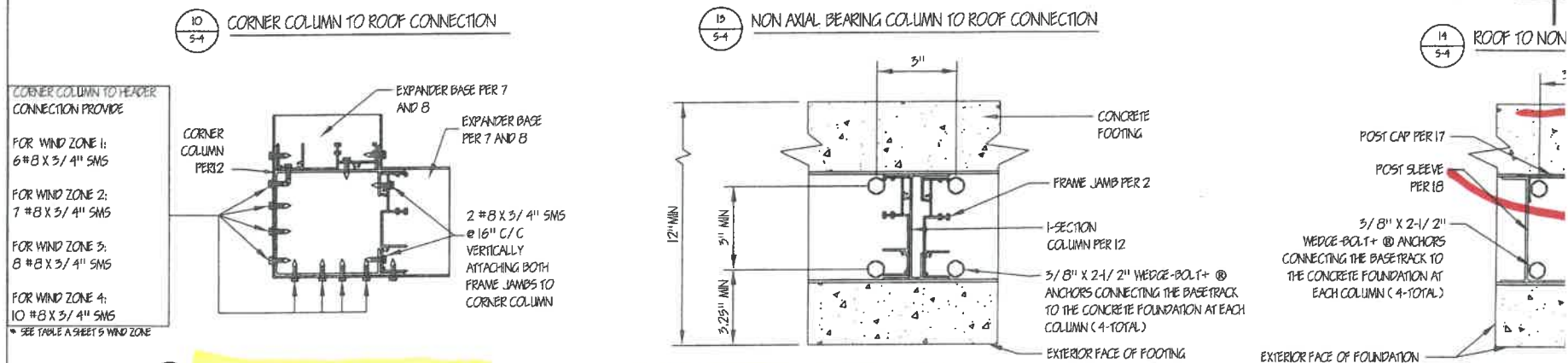
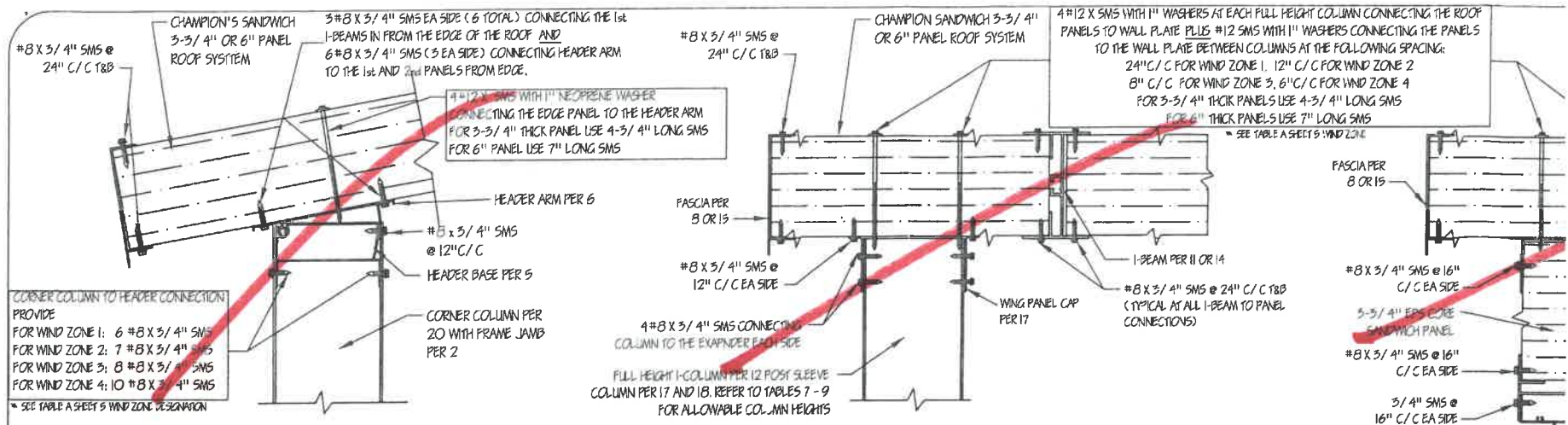


4 TURNED DOWN FOOTING DETAIL



5 SIDEWALL TO EXTG





STRENGTH DESIGN WIND SPEED	115 MPH RISK CAT II	130 MPH RISK CAT II	140 MPH RISK CAT II	150 MPH RISK CAT II
ALLOWABLE STRESS WIND SPEED	90 MPH	100 MPH	110 MPH	120 MPH
EXP B	WIND ZONE 1	WIND ZONE 2	WIND ZONE 3	WIND ZONE 4
EXP C	WIND ZONE 2	WIND ZONE 3	WIND ZONE 4	SPECIAL DESIGN REQUIRED
EXP D	WIND ZONE 3	WIND ZONE 4	SPECIAL DESIGN REQUIRED	SPECIAL DESIGN REQUIRED

- EXPOSURE CATEGORIES ARE AS DEFINED IN THE IRC, IBC AND ASCE-7
- TABLE APPLIES TO PATIO ROOMS WITH MEAN ROOF HEIGHTS UP TO 30' IN EXPOSURE B AND UP TO 15' IN EXPOSURES C AND D. FOR ROOMS IN EXPOSURE CATEGORIES C AND D WITH MEAN ROOF HEIGHTS BETWEEN 15' AND 30' THE NEXT HIGHEST WIND ZONE DESIGNATION SHALL BE SELECTED OR A SITE SPECIFIC DESIGN WILL BE UTILIZED.
- SITE SPECIFIC DETERMINATION OF WIND PRESSURES IS REQUIRED FOR SITES ON ISOLATED HILLS, RIDGES OR ESCARPMENTS THAT ARE ADJACENT CHANGES FROM THE GENERAL TOPOGRAPHY OF THE AREA.

PANEL SPAN (FT)	ROOF LIVE/ SNOW LOAD (PSF)										WIND ZONE *			
	20	25	30	35	40	45	50	55	60	70	1	2	3	4
10	158	163	198	228	258	288	318	348	378	458	-120	-148	-179	-214
12	161	196	231	266	301	336	371	406	441	511	-132	-163	-197	-254
14	184	224	264	304	344	384	424	464	504		-143	-176	-215	-254
16	207	252	297	342	387	432					-155	-192	-232	-276
18	230	280	330	380							-166	-206	-250	-296
20	253	308									-178	-220	-266	-318

- TABLE 1 INCLUDES THE DEAD LOAD OF THE SANDWICH ROOF PANEL. FOR OSB ROOF PANELS WITH ASPHALT SHINGLES, THE INPUT ROOF LOAD FOR THIS CHART SHALL EQUAL THE DESIGN SNOW/ ROOF LIVE LOAD + 5PSF. \* SEE TABLE A SHEET 5 FOR DESIGNATION OF WIND ZONE
- NEGATIVE VALUES INDICATE UPLIFT LOADS

COLUMN SPACING (INCHES)	WIND ZONE *			
	1	2	3	4
60"	8.5'	8.5'	8.5'	8.0'
68"	8.5'	8.5'	8.0'	8.0'
78"	8.5'	8.0'	7.5'	---
84"	8.5'	7.5'	---	---
96"	8.0'	---	---	---

\* SEE TABLE A SHEET 5 FOR DESIGNATION OF WIND ZONE

COLUMN SPACING (INCHES)	WIND ZONE *			
	1	2	3	4
60"	10' 0"	9' 5"	8' 10"	8' 5"
68"	9' 5"	9' 0"	8' 7"	8' 2"
78"	9' 5"	8' 8"	8' 2"	---
84"	9' 0"	8' 5"	---	---
96"	8' 8"	---	---	---

\* SEE TABLE A SHEET 5 FOR DESIGNATION OF WIND ZONE

COLUMN SPACING (INCHES)	WIND ZONE *			
	1	2	3	4
60"	8.5'	8.5'	8.5'	8.5'
68"	8.5'	8.5'	8.5'	8.5'
78"	8.5'	8.5'	8.5'	---
84"	8.5'	8.5'	---	---
96"	8.5'	---	---	---

\* SEE TABLE A SHEET 5 FOR DESIGNATION OF WIND ZONE

COLUMN SPACING (INCHES)	WIND ZONE *			
	1	2	3	4
60"	15' 0"	12' 2"	11' 2"	10' 5"
68"	12' 7"	11' 6"	10' 8"	10' 0"
78"	11' 10"	10' 10"	10' 2"	---
84"	11' 5"	10' 7"	---	---
96"	10' 10"	---	---	---

\* SEE TABLE A SHEET 5 FOR DESIGNATION OF WIND ZONE

PANEL THICKNESS (IN)	LIVE LOAD (PSF)	ROOF SNOW LOAD (PSF)										
		20	25	30	35	40	45	50	55	60	70	
5-5/8"	20	17'-8"	15'-8"	15'-5"	14'-5"	13'-7"	12'-10"	12'-2"	11'-6"	11'-0"	10'-7"	9'-10"
6"	20	20'	19'-2"	17'-7"	16'-4"	15'-4"	14'-6"	13'-9"	13'-2"	12'-8"	11'-8"	

ROOF DEFLECTION CRITERIA = L/120

- THE ALLOWABLE SPANS ARE BASED ON UNIFORM SNOW LOADING CONDITIONS.
- FOR OSB ROOF PANELS WITH ASPHALT SHINGLES, THE INPUT ROOF LOAD FOR THIS CHART SHALL EQUAL THE DESIGN SNOW/ ROOF LIVE LOAD + 5PSF.

APPLIED LOAD* (PLF)	70	100	125	150	175	200	250	300	350	400	500
STANDARD HEADER	96"	78"	72"	64"	50"	58"	48"	N/A	N/A	N/A	N/A
HEADER WITH I-BEAM	96"	96"	96"	95"	88"	78"	72"	66"	60"	56"	48"

\* APPLIED LOAD IS THE LARGER OF THE APPLIED ROOF LOAD FROM SNOW/LOADING OR FROM WIND LOADING DETERMINED FROM TABLE 2 SHEET 5

WIND ZONE	1	2	3	4
ALLOWABLE COLUMN SPACING	96"	84"	78"	68"

\* SEE TABLE A SHEET 5 FOR DESIGNATION OF WIND ZONE

WIND ZONE	1	2	3	4
MAX GIRT SPAN (FT)	15' 6"	12' 3"	11' 2"	10' 3"

\* SEE TABLE A SHEET 5 FOR DESIGNATION OF WIND ZONE

COLUMN SPACING (INCHES)	WIND ZONE *			
	1	2	3	4
60"	15' 0"	12' 2"	11' 2"	10' 5"
68"	12' 7"	11' 6"	10' 8"	10' 0"
78"	11' 10"	10' 10"	10' 2"	---
84"	12' 4"	11' 3"	---	---
96"	11' 8"	---	---	---

\* SEE TABLE A SHEET 5 FOR DESIGNATION OF WIND ZONE

### GENERAL NOTES AND SPECIFICATIONS

- THE STRUCTURAL DESIGN FOR CHAMPION PATIO ROOMS IS IN ACCORDANCE WITH THE REQUIREMENTS OF 2006, 2009 AND 2012 EDITIONS 2010 NEW YORK STATE BUILDING CODE, 2009 AND 2 MASSACHUSETTS RESIDENTIAL CODE AND UTILIZING THE 2010 EDITIONS OF ASCE 7, 2005 AND 2010 ALUMINUM DESIGN. THESE PLANS COVER THE DESIGN OF THE PATIO ROOM STRUCTURE. THE STRUCTURAL ADEQUACY OF THE EXISTING STRUCTURE TO SCOPE OF THIS PACKAGE AND SHOULD BE VERIFIED BY THE SNOW LOAD TABLES PRESENTED IN THIS PACKAGE. CONSIDERATION SHALL BE GIVEN TO SITE SPECIFIC SNOW LOADS.
- BASIC WIND SPEEDS ARE 3-SECOND GUST AT 33 FT AERIAL SEISMIC DESIGN FOR ROOMS CONSTRUCTED IN SEISMIC LOADS UP TO 50PSF HAS BEEN CONSIDERED IN THIS PACKAGE REQUIRED FOR ENCLOSURES IN SOC D OR HIGHER WITH THE PATIO ROOM PROJECTION SHALL BE A MAXIMUM OF 10'. THESE PATIO ROOM PROJECTIONS CAN BE CONSTRUCTED IF ITS FOOTINGS HAVE BEEN PROPERLY ENGINEERED TO SA DESIGN LOADS.
- THE DOOR AND WINDOW UNITS USED IN THE CHAMPION PATIO SUPPLIERS LLC, ARE GLAZED WITH FULLY TEMPERED INS OF ANSI Z97.1 AND CPSC 16 CFR 1201 CATEGORY II. IN V SHALL BE PROTECTED IN ACCORDANCE WITH THE REQUIRE THIS ENCLOSURE SYSTEM IS LIMITED TO RECREATION AND AS A CARPORT, GARAGE OR HABITABLE ROOM.

### MATERIALS

- ALL FOOTINGS SHALL BEAR ON LEVEL (WITHIN 1/2") ON AN ALLOWABLE SOIL BEARING CAPACITY OF 1000 PSF. THE LOCALITY BUT NOT LESS THAN 12" BELOW GRADE.

### CONCRETE

- ALL CONCRETE SHALL CONFORM TO ALL REQUIREMENTS CONCRETE FOR BUILDINGS.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH EXPOSED TO THE EXTERIOR ENVIRONMENT SHALL HAVE A 7.0%.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A618

### STRUCTURAL ALUMINUM

- ALL EXTRUSIONS SHALL BE AL 6063-T6 ALUMINUM PROFILE. ROOF PANELS SHALL BE 3-3/4" OR 6" THICK STANDARD ENCLOSURE SUPPLIERS LLC.
- STANDARD ROOF PANEL SKINS CONSISTS OF 0.024" 1 OSB ROOF PANELS SKINS CONSISTS OF A 0.024" ALU SKINS AND A 0.024" ALUMINUM SHEETING BOTTOM. THE CORE FOR ALL PANELS SHALL BE ASTM C878 TYPE. THE PANELS SHALL BE A MAXIMUM OF THREE FEET (3') 6063-T6 I-BEAMS.
- THE ALLOWABLE PANEL SPAN CHART IN THIS PACKAGE / PANELS.

### MECHANICAL FASTENERS

- SHEET METAL SCREWS (SMS) SHALL BE STAINLESS STEEL 1/4"
- LAG SCREWS SHALL BE GALVANIZED STEEL 1/2" FULL BODIED STRENGTH OF 60,000 PSI FOR 3/8" DIAMETER AND 40,000 PSI FOR 1/2" DIAMETER. ALL SCREWS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 8 TIMES THE SCREW DIAMETER.
- WOOD SCREWS SHALL HAVE A MINIMUM BENDING YIELD STRENGTH OF 55,000 PSI AND SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 1.5 TIMES THE SCREW DIAMETER.
- ANCHOR BOLTS INTO CONCRETE SHALL BE 3/8" X 2-1/2" PIN ANCHORS SHALL BE ZAMAC NAIL IN ANCHORS MANUFACTURED TO EQUIVALENT
- FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE DIPPED GALVANIZED PER ASTM A153. HOT DIPPED GALVANIZED LUMBER SHALL BE ASTM-A653 COATING DESIGNATION