P-15-0136

CITY OF NAPOLEON GENERAL PERMIT APPLICATION

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

DATE _____ **JOB LOCATION** 413 Wisteria Napoleon OH. 43545

OWNER Myers, Marion, Sandra **TELEPHONE #** 419-438-1732

OWNER ADDRESS Same as Above

CONTRACTOR Ray Clark (Champion windows) **CELL PHONE #** 419-346-1389

DESCRIPTION OF WORK TO BE PERFORMED Build 3-Season SunRoom on Homeowners Deck

ESTIMATED COMPLETION DATE 5-9-15 **ESTIMATED COST** 15,000

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 Build 12X14 SunRoom		**FEE**	**TOTAL COST**
BUILDING:			
Decks		$25.00	$
Addition & Alterations Square foot in (AFA) _____ x $0.05 = $_____	+	$25.00 =	$ 25.00
Garage and Shed over 200 SF (Detached)		$25.00	$
Siding and/or Roofing		$25.00	$
Windows/Doors		$25.00	$
ELECTRICAL:			
Electrical Circuits in (AFA) _____ x $3.00/Circuit = $_____	+	$25.00 =	$
Electrical Service Upgrade		$25.00	$
MECHANICAL:			
Water Heater		$25.00	$
Furnace and/or AC Replacement		$25.00	$
PLUMBING:			
Plumbing Traps in (AFA) _____ x $3.00/Trap = $_____	+	$25.00 =	$
TOTAL plus *Ohio Board of Building Standards Fee 1%*			$ .25
TOTAL FEE:			$ 25.25

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.

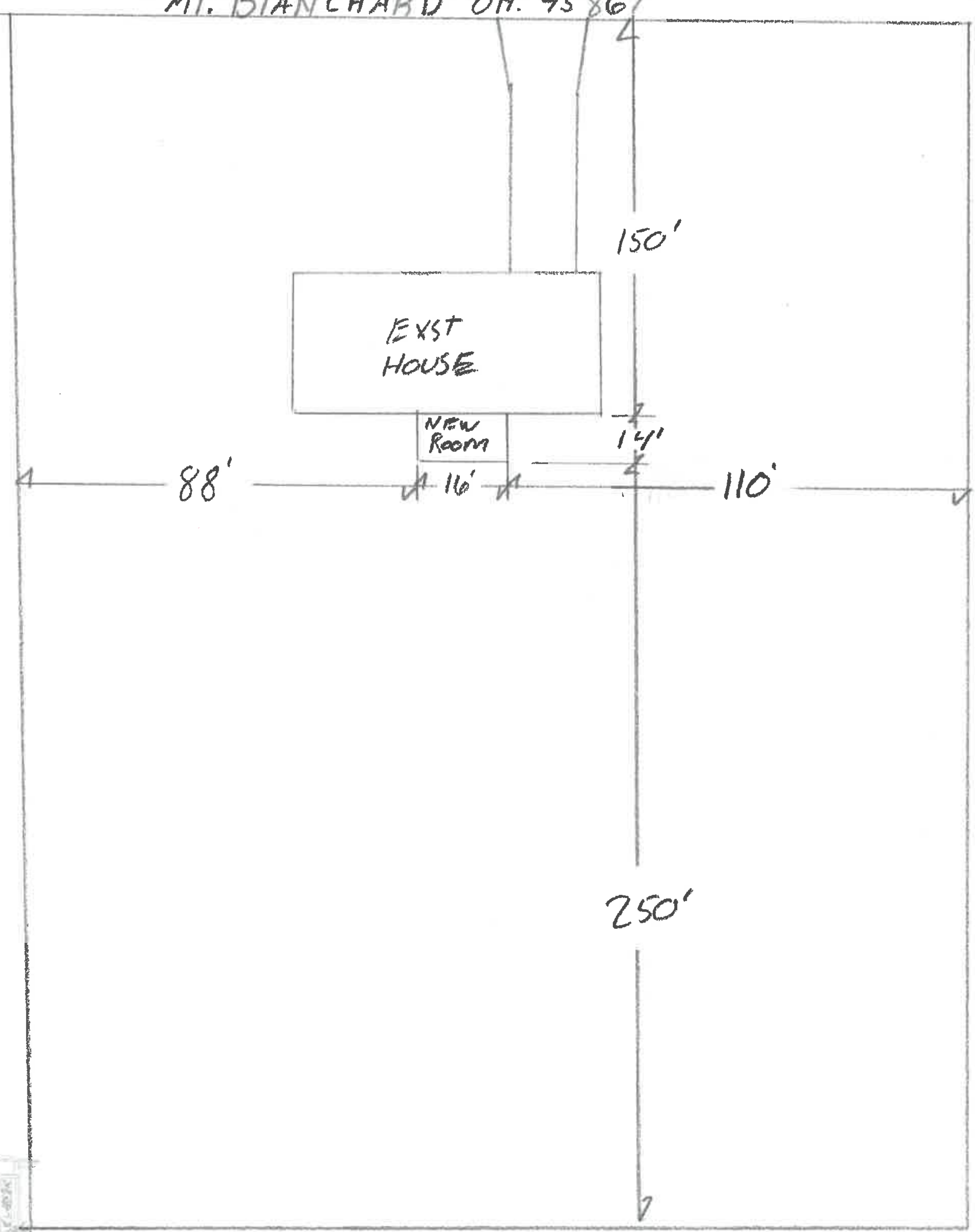
SIGNATURE OF APPLICANT: Ray Clark DATE: 4/29/15

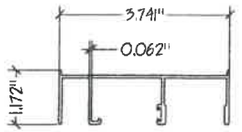
PRINT NAME: Ray Clark

PERMIT # 15-0136 **BATCH #** 31994 **CHECK #** 52112 **DATE** 4/29/15

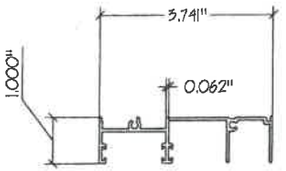
C:\Users\dwachtman\Downloads\General Permit Application.doc

18223 TWN RD. 162
MT. BLANCHARD OH. 45867

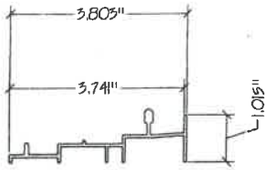




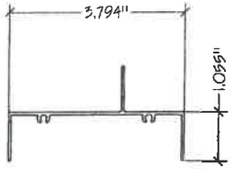
1 WINDOW / DOOR FRAME HEAD



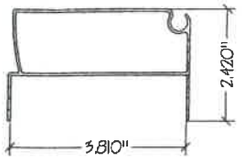
2 WINDOW / DOOR FRAME JAMB



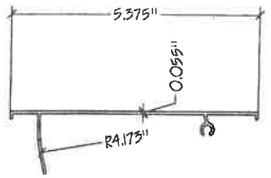
3 WINDOW / DOOR FRAME SILL



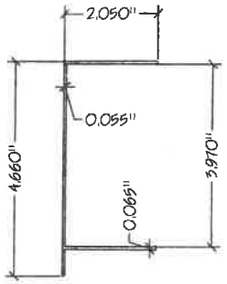
4 TRANSOM FRAME



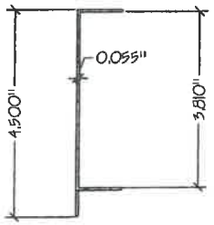
5 HEADER BASE



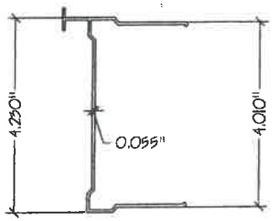
6 HEADER ARM



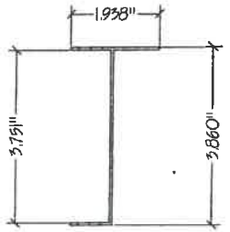
7 4" EXPANDER



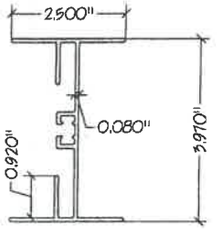
8 4" F-CHANNEL



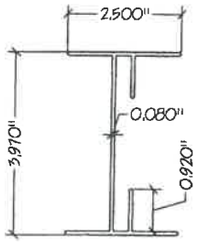
9 4" HANGER BASE



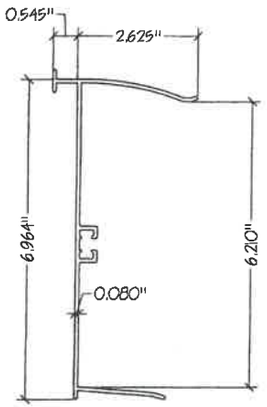
10 4" SILL EXTRUSION



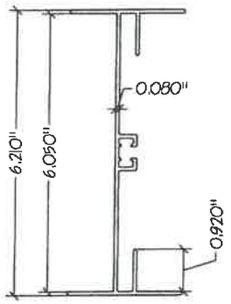
11 4" I-SECTION THERM



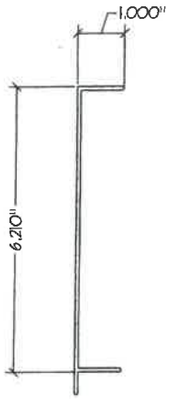
12 4" NON-THERM I-SECTION



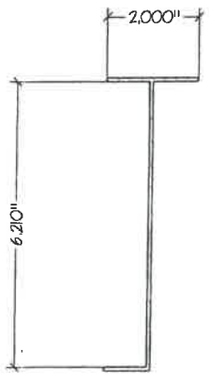
13 6" HANGER BASE



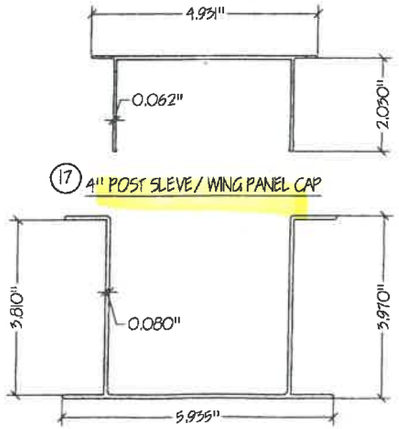
14 6" I-BEAM



15 6" F-CHANNEL

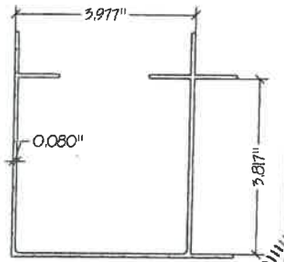


16 6" SILL



17 4" POST SLEVE / WING PANEL CAP

18 4" POST SLEVE



20 CORNER POST

CES
CHAMPION ENCLOSURE SUPPLIERS
12111 CHAMPION WAY, CINCINNATI, OH 45241
PH: (513) 782-3900 FAX: (513) 782-3903

CHAMPION WINDOWS AND PATIO ROOMS
4" Wall System with Studio Style Roof

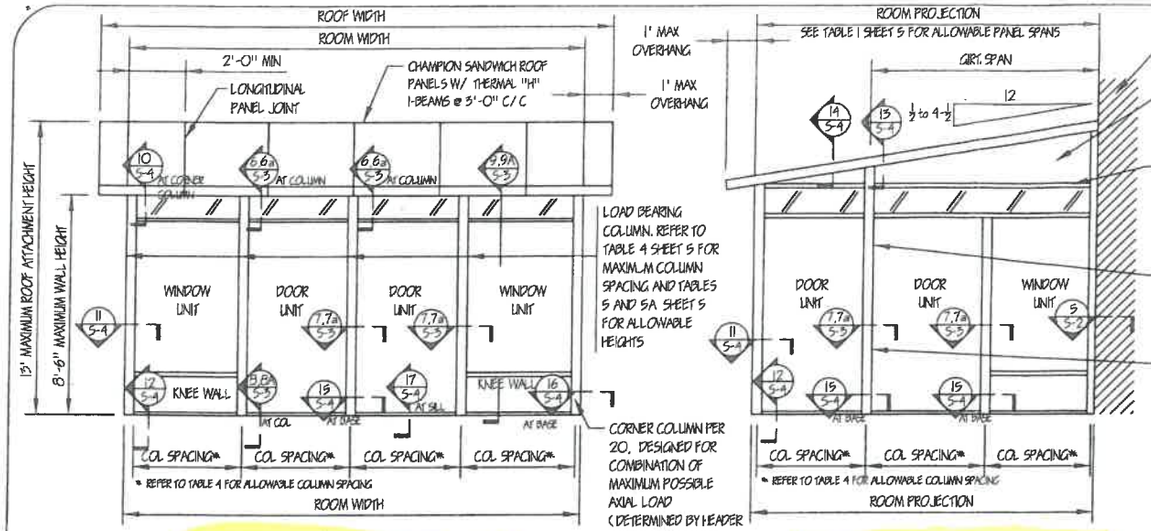
SECTION DETAILS

DATE: 11/14/13
SCALE: NTS
Drawn by: MJG

REV:	DATE:

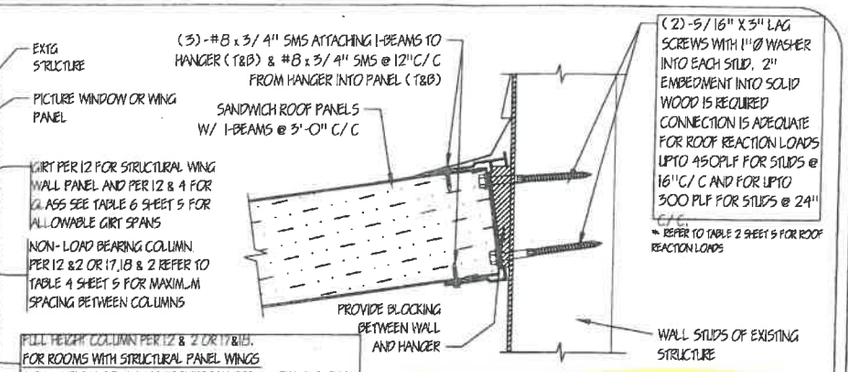
SHEET 1 OF 1

STATE OF OHIO
MARTIN JOSEPH GOSS
E-65387
REGISTERED
PROFESSIONAL ENGINEER
11/14/13



PATIO ENCLOSURE FRONT ELEVATION

PATIO ENCLOSURE SIDE ELEVATION



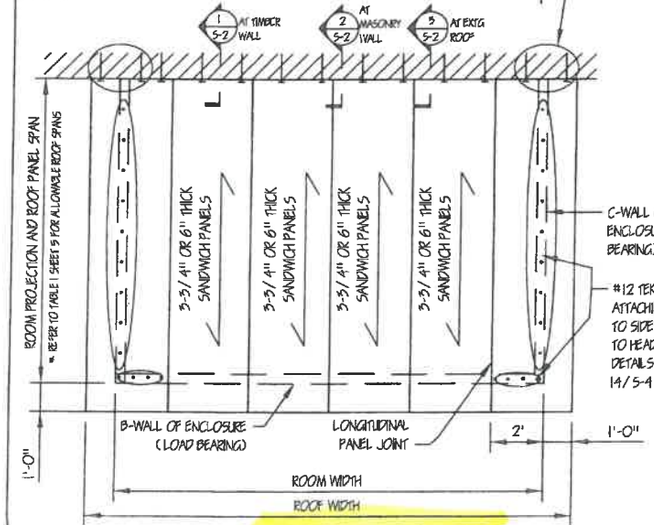
1/5-2 ROOF CONNECTION TO TIMBER FRAMED WALL

FULL HEIGHT COLUMN PER 12 & 2 OR 17&18.
FOR ROOMS WITH STRUCTURAL PANEL WINGS
A FULL HEIGHT COLUMN IS REQUIRED WHERE ALLOWABLE GIRT SPANS ARE LESS THAN THE ROOM PROJECTION. SEE TABLE 6 SHEET 5 FOR ALLOWABLE GIRT SPANS
FOR GLASS OR NON-STRUCTURAL PANEL WINGS
A FULL HEIGHT COLUMN MUST BE PROVIDED AT A MINIMUM OF 8' C/C.
SEE TABLES 7 - 9 FOR ALLOWABLE NON LOAD BEARING COLUMN HEIGHTS.

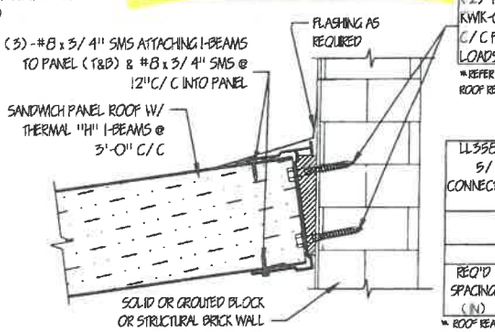
WIND ZONE*	MAX ROOM PROJECTION (FT)
1	1.1 X ROOM WIDTH
2	1.0 X ROOM WIDTH
3	0.9 X ROOM WIDTH
4	0.8 X ROOM WIDTH

* REFER TO TABLE A SHEET 5 FOR WIND ZONE DESIGNATION

2 SETS OF 5/16" X 3" LAG SCREWS WITH 1" Ø 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.



PATIO ROOM ROOF PLAN

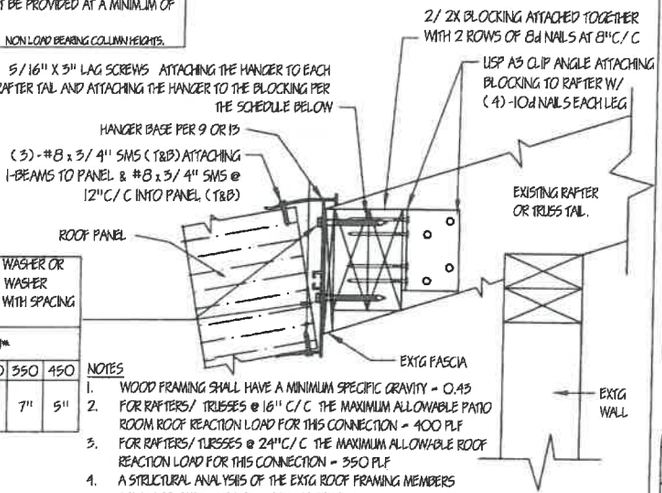


2/5-2 ROOF TO MASONRY WALL CONNECTION DETAIL

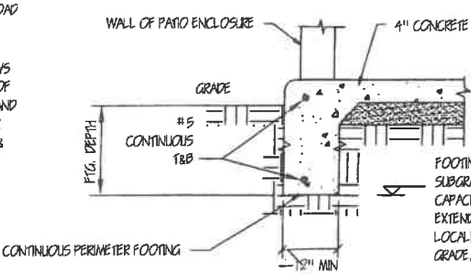
LL35B LEDGER LOK SCREWS WITH 1" WASHER OR 5/16" X 3" LAG SCREWS WITH 1" WASHER CONNECTING HANGER TO 2X BLOCKING WITH SPACING PER FOLLOWING TABLE

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

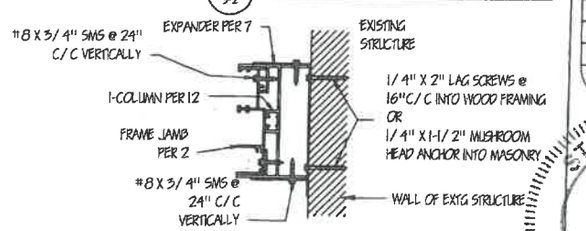
* ROOF REACTION FROM TABLE 2 SHEET 5



NOTES
1. WOOD FRAMING SHALL HAVE A MINIMUM SPECIFIC GRAVITY = 0.43
2. FOR RAFTERS/ TRUSSES @ 16" C/C THE MAXIMUM ALLOWABLE PATIO ROOM ROOF REACTION LOAD FOR THIS CONNECTION = 400 PLF
3. FOR RAFTERS/ TURSSES @ 24"C/C THE MAXIMUM ALLOWABLE ROOF REACTION LOAD FOR THIS CONNECTION = 350 PLF
4. A STRUCTURAL ANALYSIS OF THE EXTG ROOF FRAMING MEMBERS ABILITY TO CARRY THE NEW LOADS IS BEYOND THE SCOPE OF THIS PACKAGE AND SHOULD BE PERFORMED BY OTHERS



4/5-2 TURNED DOWN FOOTING DETAIL



5/5-2 SIDEWALL TO EXTG STRUCTURE CONNECTION DETAIL

CES
CHAMPION ENCLOSURE SUPPLIERS
12111 CHAMPION WAY, CINCINNATI, OH 45241
PH: (513) 782-3900 FAX: (513) 782-3903

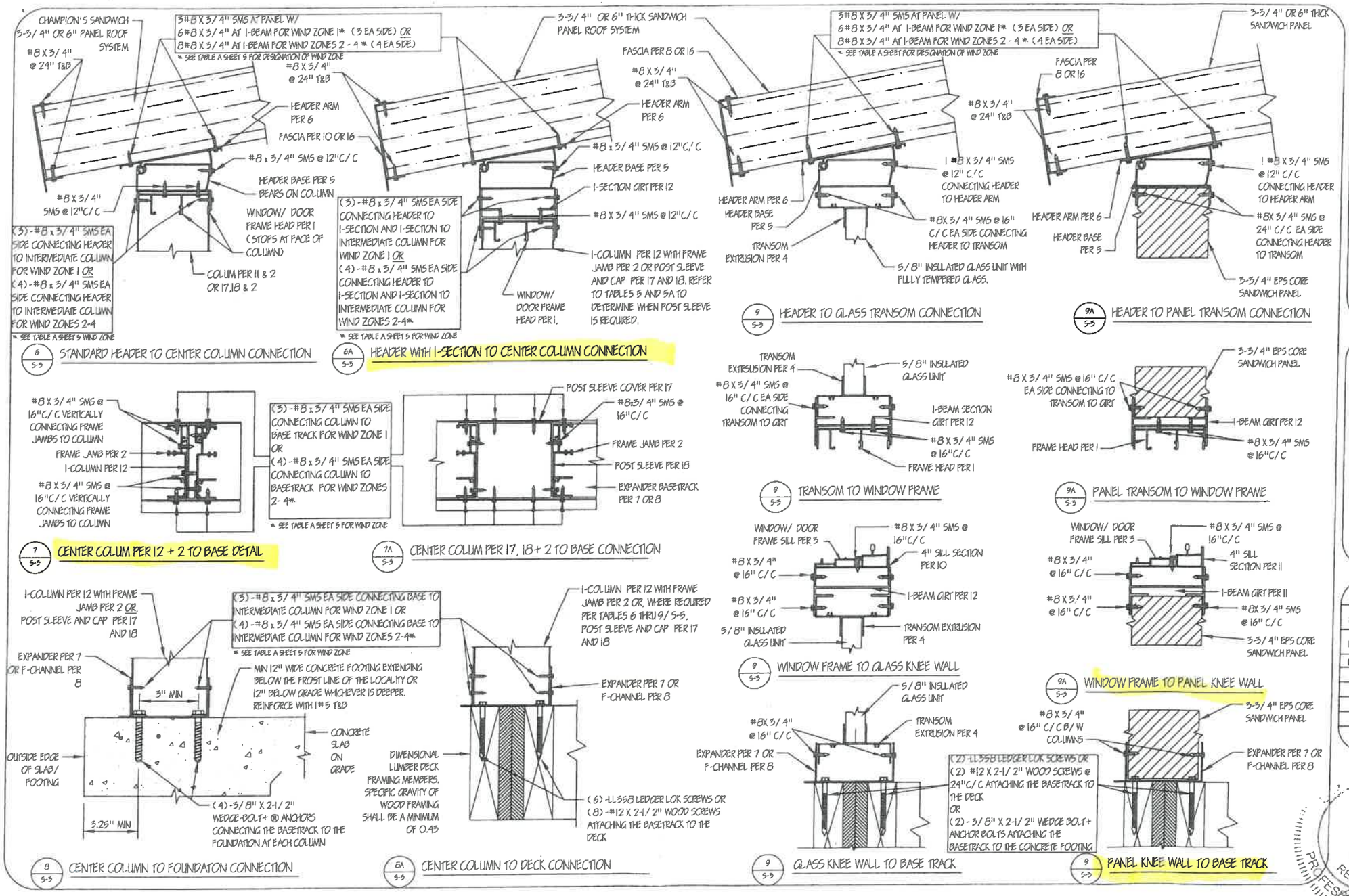
CHAMPION WINDOWS AND PATIO ROOM
4" Wall System with Studio Style Roof
ELEVATION AND SECTION DETAILS

DATE: 11/14/13
SCALE: NTS
Drawn by: MJG

REV:	DATE:

SHEET: 2 OF 5

STATE OF OHIO
MARTIN JOSEPH GOSS
E-85387
REGISTERED
PROFESSIONAL ENGINEER
12/4/13



CES
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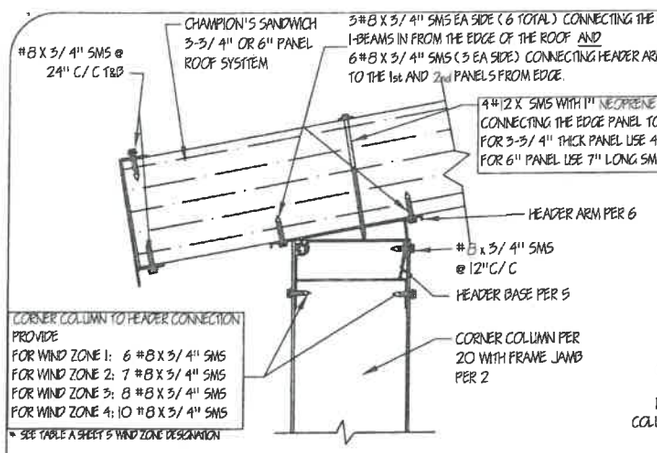
12111 CHAMPION WAY, CINCINNATI, OH 45241
PH: (513) 782-3900 FAX: (513) 782-3903

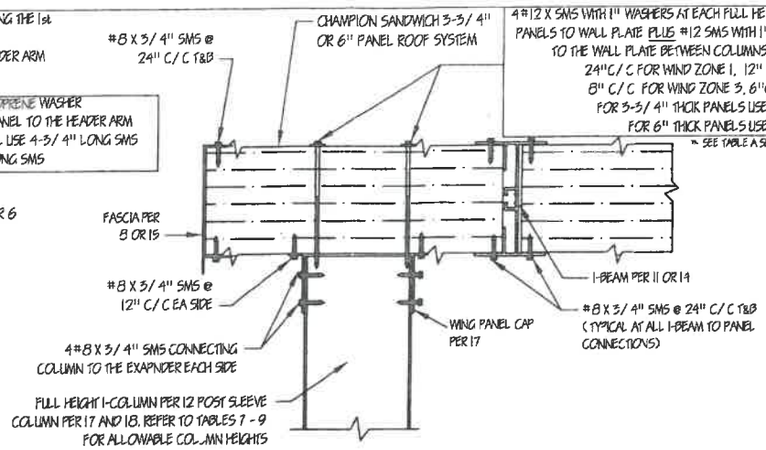
CHAMPION WINDOWS AND PATIO ROOM
4" Wall System with Studio Style Roof
SECTION DETAILS

DATE: 11/14/13	
SCALE: NTS	
Drawn by: MJG	
REV:	DATE:
SHEET: 3 OF 5	

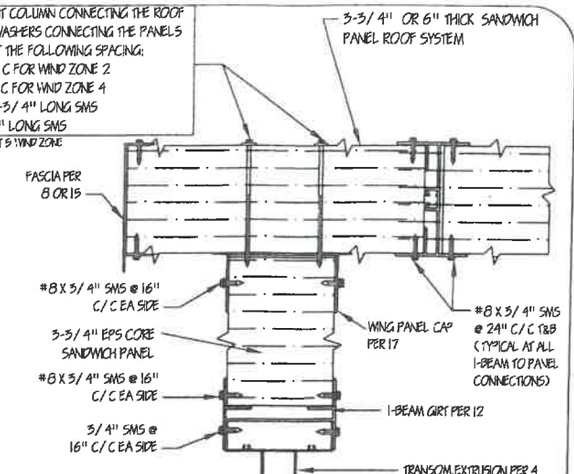
STATE OF OHIO
MARTIN JOSEPH GOSS
E-65387
REGISTERED
PROFESSIONAL ENGINEER
2/24/14



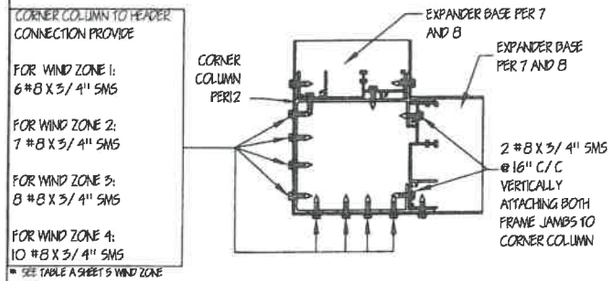
10 / 5-1 CORNER COLUMN TO ROOF CONNECTION



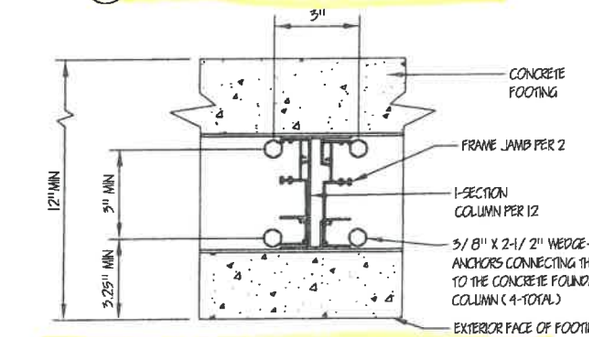
15 / 5-1 NON AXIAL BEARING COLUMN TO ROOF CONNECTION



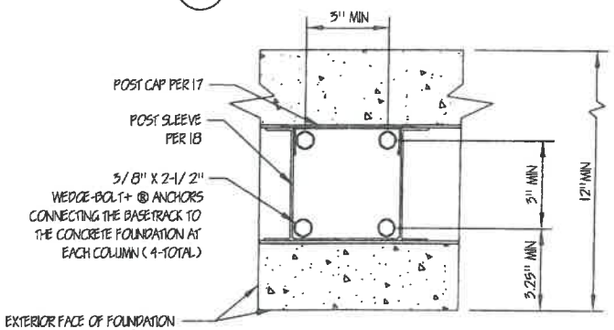
14 / 5-1 ROOF TO NON BEARING WALL CONNECTION



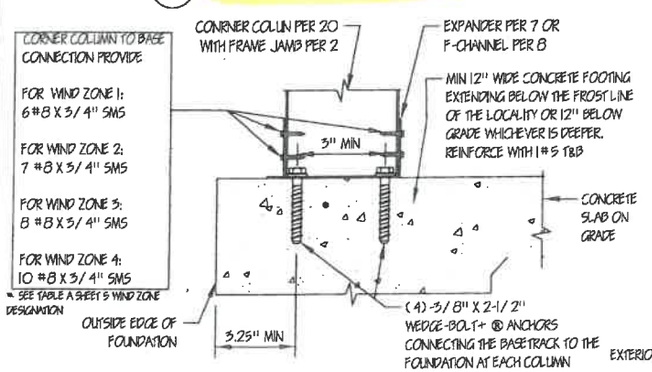
11 / 5-1 CORNER COLUMN TO BASE CONNECTION



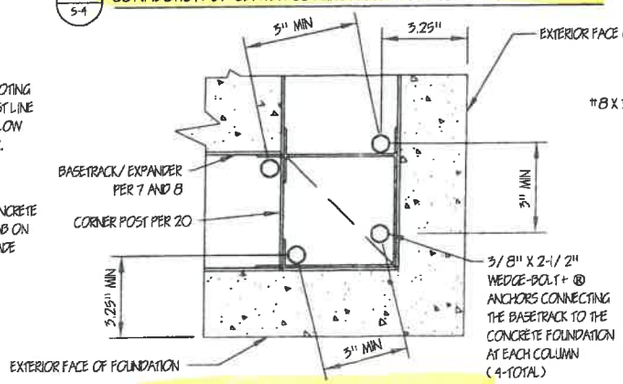
15 / 5-1 CONNECTION OF CENTER COLUMN PER 12 & 2 TO BASE/ FOUNDATION



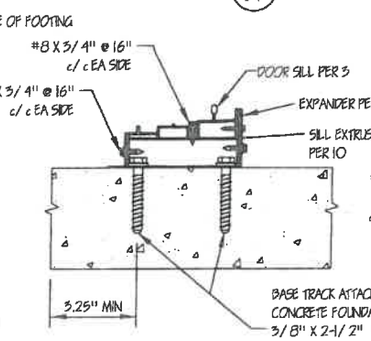
15A / 5-1 CONNECTION OF CENTER COLUMN PER 17 & 18 TO FOUNDATION



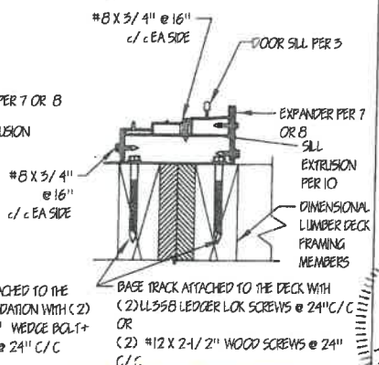
12 / 5-1 CORNER COLUMN TO FOUNDATION CONNECTION



16 / 5-1 CORNER POST TO FOUNDATION CONNECTION



17 / 5-1 DOOR THRESHOLD TO FOUNDATION



17A / 5-1 DOOR THRESHOLD TO DECK

CES
CHAMPION ENCLOSURE SUPPLIERS
12111 CHAMPION WAY, CINCINNATI, OH 45241
PH: (513) 782-3900 FAX: (513) 782-3903

CHAMPION WINDOWS AND PATIO ROOM
4" Wall System with Studio Style Roof
SECTION DETAILS

DATE: 11/14/13
SCALE: NTS
Drawn by: MJG

REV:	DATE:

SHEET: 4 OF 5

STATE OF OHIO
MARTIN JOSEPH GOSS
E-65387
REGISTERED
PROFESSIONAL ENGINEER
11/14/13

TABLE A: WIND ZONE DESIGNATION BASED ON DESIGN WIND SPEED AND EXPOSURE				
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

1. EXPOSURE CATEGORIES ARE AS DEFINED IN THE IRC, IBC AND ASCE-7
2. 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 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.
3. SITE SPECIFIC DETERMINATION OF WIND PRESSURES IS REQUIRED FOR SITES ON ISOLATED HILLS, RIDGES OR ESCARPMENTS THAT ARE ABRUPT CHANGES FROM THE GENERAL TOPOGRAPHY OF THE AREA.

TABLE 1: ALLOWABLE SANDWICH ROOF PANEL SPANS (FT-IN)											
PANEL THICKNESS (IN)	LIVE LOAD (PSF)	ROOF SNOW LOAD (PSF)									
	20	20	25	30	35	40	45	50	55	60	70
5-3/4"	17'-4"	16'-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'-8"	13'-9"	13'-2"	12'-8"	11'-8"

ROOF DEFLECTION CRITERIA = L/120
1. THE ALLOWABLE SPANS ARE BASED ON UNIFORM SNOW LOADING CONDITIONS.
2. FOR OSB ROOF PANELS WITH ASPHALT SHINGLES, THE INPUT ROOF LOAD FOR THIS CHART SHALL EQUAL THE DESIGN SNOW/ ROOF LIVE LOAD + 5PSF.

TABLE 2: APPLIED ROOF LOADS (PLF) ON WINDOW AND DOOR HEADER														
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	138	168	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		-145	-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

1. TABLE 1 INCLUDES THE DEAD LOAD OF THE STANDARD 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.
2. NEGATIVE VALUES INDICATE UPLIFT LOADS
* SEE TABLE A SHEET 5 FOR DESIGNATION OF WIND ZONE

TABLE 3: ALLOWABLE SPANS FOR HEADERS OVER DOOR AND WINDOW OPENINGS												
APPLIED LOAD** (PLF)	70	100	125	150	175	200	250	300	350	400	500
STANDARD HEADER	96"	78"	72"	64"	60"	56"	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

TABLE 4: ALLOWABLE COLUMN SPACING BASED ON DOOR/ WINDOW UNIT CAPACITY				
WIND ZONE	1	2	3	4
ALLOWABLE COLUMN SPACING	96"	84"	78"	68"

* SEE TABLE A SHEET 5 FOR DESIGNATION OF WIND ZONE

TABLE 5: ALLOWABLE HEIGHT OF LOAD BEARING I-COLUMN PER 12 AND 2				
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

TABLE 5A: ALLOWABLE HEIGHT OF LOAD BEARING POST SLEEVE COLUMN PER 17 AND 18				
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

TABLE 6: ALLOWABLE SPANS (FT) FOR GIRTS ON WALLS WITH STRUCTURAL SANDWICH WING PANELS				
WIND ZONE	1	2	3	4
MAX GIRT SPAN (FT)	13' 6"	12' 5"	11' 2"	10' 3"

* SEE TABLE A SHEET 5 FOR DESIGNATION OF WIND ZONE

TABLE 7: ALLOWABLE HEIGHT OF NON-LOAD BEARING COLUMN I-COLUMN PER 12 AND 2 SEPARATING TWO DOORS				
COLUMN SPACING (INCHES)	WIND ZONE *			
	1	2	3	4
60"	10' 0"	9' 5"	8' 10"	8' 5"
68"	9' 8"	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

TABLE 8: ALLOWABLE HEIGHT OF NON-LOAD BEARING COLUMN I-COLUMN PER 12 AND 2 ADJOINING AT LEAST ONE WINDOW				
COLUMN SPACING (INCHES)	WIND ZONE *			
	1	2	3	4
60"	13' 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

TABLE 9: ALLOWABLE HEIGHT OF NON-LOAD BEARING POST SLEEVE COLUMN PER 17 AND 18				
COLUMN SPACING (INCHES)	WIND ZONE *			
	1	2	3	4
60"	15' 0"	15' 0"	12' 0"	11' 2"
68"	15' 0"	12' 4"	11' 4"	10' 7"
78"	12' 9"	11' 7"	10' 9"	---
84"	12' 4"	11' 3"	---	---
96"	11' 8"	---	---	---

* SEE TABLE A SHEET 5 FOR DESIGNATION OF WIND ZONE

GENERAL NOTES AND SPECIFICATIONS

1. THE STRUCTURAL DESIGN FOR CHAMPION PATIO ROOMS HAS BEEN PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF 2006, 2009 AND 2012 EDITIONS OF THE IRC AND IBC CODES, 2011 OHIO BUILDING CODE, 2010 NEW YORK STATE BUILDING CODE, 2009 AND 2012 NORTH CAROLINA BUILDING CODE, 8th ED OF THE MASSACHUSETTS RESIDENTIAL CODE AND UTILIZING THE FOLLOWING REFERENCED STANDARDS; 2005 AND 2010 EDITIONS OF ASCE 7, 2005 AND 2010 ALUMINUM DESIGN MANUAL, 2005 AND 2012 NDS FOR WOOD.
2. THESE PLANS COVER THE DESIGN OF THE PATIO ROOM AND IT'S CONNECTION TO THE EXISTING STRUCTURE. THE STRUCTURAL ADEQUACY OF THE EXISTING STRUCTURE TO SUPPORT THE TRANSFERRED LOADS IS BEYOND THE SCOPE OF THIS PACKAGE AND SHOULD BE VERIFIED BY OTHERS.
3. THE SNOW LOAD TABLES PRESENTED IN THIS PACKAGE ARE FOR UNIFORM ROOF SNOW LOADS. CONSIDERATION SHALL BE GIVEN TO SITE SPECIFIC CONDITIONS SUCH AS SLIDING, DRIFTING OR UNBALANCED SNOW LOADS.
4. BASIC WIND SPEEDS ARE 3-SECOND GUST @ 33 FT ABOVE THE GROUND IN EXPOSURE C.
5. SEISMIC DESIGN FOR ROOMS CONSTRUCTED IN SEISMIC DESIGN CATEGORIES D2 WITH UNIFORM ROOF SNOW LOADS UP TO 30PSF HAS BEEN CONSIDERED IN THIS PACKAGE. A SITE SPECIFIC SEISMIC EVALUATION IS REQUIRED FOR ENCLOSURES IN SDC D OR HIGHER WITH DESIGN ROOF SNOW LOADS IN EXCESS OF 30 PSF.
6. THE PATIO ROOM PROJECTION SHALL BE A MAXIMUM OF 1.1 TIMES THE PATIO ROOM WIDTH.
7. CHAMPION PATIO ENCLOSURES CAN BE CONSTRUCTED ON TIMBER FRAMED DECKS PROVIDED THE DECK AND ITS FOOTINGS HAVE BEEN PROPERLY ENGINEERED TO SAFELY CARRY THE ENCLOSURE'S AND THE DECK'S DESIGN LOADS.
8. THE DOOR AND WINDOW UNITS USED IN THE CHAMPION PATIO ROOM SYSTEM, SUPPLIED BY ENCLOSURE SUPPLIERS LLC, ARE GLAZED WITH FULLY TEMPERED INSULATED GLASS CONFORMING TO THE REQUIREMENTS OF ANSI Z97.1 AND CPSC 16 CFR 1201 CATEGORY II. IN WIND BORNE DEBRIS REGIONS GLAZED OPENINGS SHALL BE PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GOVERNING CODE.
9. THIS ENCLOSURE SYSTEM IS LIMITED TO RECREATION AND OUTDOOR LIVING PURPOSES AND IS NOT TO BE USED AS A CARPORT, GARAGE OR HABITABLE ROOM.

MATERIALS

SOILS

1. ALL FOOTINGS SHALL BEAR ON LEVEL (WITHIN 1:12) UNDISTURBED SOIL OR APPROVED ENGINEERING FILL WITH AN ALLOWABLE SOIL BEARING CAPACITY OF 1000 PSF. FOOTINGS SHALL EXTEND BELOW THE FROST LINE OF THE LOCALITY BUT NOT LESS THAN 12" BELOW GRADE.

CONCRETE

1. ALL CONCRETE SHALL CONFORM TO ALL REQUIREMENTS OF ACI 318 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS AND WHERE EXPOSED TO THE EXTERIOR ENVIRONMENT SHALL HAVE AN ENTRAINED AIR CONTENT OF BETWEEN 5.0% TO 7.0%.
3. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 60 KSI DEFORMED BARS AND ASTM A185 MESH.

STRUCTURAL ALUMINUM

1. ALL EXTRUSIONS SHALL BE AL 6063-T6 ALUMINUM PROVIDED BY ENCLOSURE SUPPLIERS LLC.
2. ROOF PANELS SHALL BE 5-5/ 4" OR 6" THICK STANDARD OR OSB SANDWICH PANELS MANUFACTURED BY ENCLOSURE SUPPLIERS LLC.
   STANDARD ROOF PANEL SKINS CONSISTS OF 0.024" THICK ALUMINUM SHEETHING (3105 H374).
   OSB ROOF PANELS SKINS CONSISTS OF A 0.024" ALUMINUM SHEETHING AND 7/16" OSB COMBINED TOP SKINS AND A 0.024" ALUMINUM SHEETHING BOTTOM SKIN.
   THE CORE FOR ALL PANELS SHALL BE ASTM C578 TYPE II EXPANDED POLYSTYRENE.
   THE PANELS SHALL BE A MAXIMUM OF THREE FEET (3') WIDE AND SHALL BE SLOTTED BETWEEN AL 6063-T6 I-BEAMS.
   THE ALLOWABLE PANEL SPAN CHART IN THIS PACKAGE APPLIES TO BOTH THE STANDARD AND OSB ROOF PANELS.

MECHANICAL FASTENERS

1. SHEET METAL SCREWS (SMS) SHALL BE STAINLESS STEEL WITH TYPE AB SCREW THREADS.
2. LAG SCREWS SHALL BE GALVANIZED STEEL "FULL BODIED" SCREWS WITH A MINIMUM BENDING YIELD STRENGTH OF 60,000 PSI FOR 3/8" DIAMETER AND 40,000 PSI FOR 5/8" AND LARGER DIAMETER. LAG SCREWS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 8 X LAG SCREW DIAMETER
3. WOOD SCREWS SHALL HAVE A MINIMUM BENDING YIELD STRENGTH OF 80,000 PSI
4. LL358 LEDGER LOK® SCREWS BY FASTENMASTER AND SHALL HAVE A MINIMUM BENDING STRENGTH OF 185,000 PSI AND SHALL HAVE A MINIMUM EMBEDMENT OF 2" INTO THE MAIN WOOD SUPPORTING MEMBER.
5. ANCHOR BOLTS INTO CONCRETE SHALL BE 5/8"Ø X 2-1/ 2" WEDGE-BOLT+ ANCHORS BY POWERS FASTENERS
6. PIN ANCHORS SHALL BE ZAMAC NAILIN ANCHORS MANUFACTURED BY POWERS FASTENERS, BREWSTERS, NY OR EQUIVALENT
7. FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE STAINLESS STEEL OR SHALL BE HOT DIPPED GALVANIZED PER ASTM A153. HOT DIPPED CONNECTOR PRODUCTS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE ASTM-A653 COATING DESIGNATION G-185.

CES
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CHAMPION WINDOWS AND PATIO ROOM
4" Wall System with Studio Style Roof

DESIGN TABLES AND NOTES

DATE: 11/14/13
SCALE: NTS
Drawn by: MJG

REV:	DATE:

SHEET: 5 OF 5

STATE OF OHIO
MARTIN JOSEPH GOSS
E-65387
REGISTERED
PROFESSIONAL ENGINEER
2/4/14