

**JOINT ARCHITECTURAL BOARD/PLAN COMMISSION AGENDA**  
**MONDAY, AUGUST 16, 2021**  
**7:00 PM**  
**MEETING ROOM, HARTLAND PUBLIC LIBRARY, 110 E. PARK AVENUE**

Roll Call

Public Comments: Please be advised the Joint Architectural Board/Plan Commission will receive comments from the public related to any item(s) on the agenda for a three minute time period per person, with time extensions per the Chairman's discretion.

1. Consideration of a motion to approve the Jt. Architectural Board/Plan Commission minutes of the July 19, 2021 meeting.
2. Architectural Board review and consideration of an application for signage for GFL Environmental, 630 Industrial Drive.
3. Architectural Board review and consideration of an application for signage for Cadence Academy, 880 Rose Drive.
4. Architectural Board consideration of an application for construction of a sunroom addition on the Gresham residence, 420 Lindenwood Drive.
5. Discuss existing and proposed standards for internally illuminated signage.
5. Announcements: The following individuals will be given an opportunity to make announcements at the meeting in regards to (1) activities taken since the previous meeting on behalf of the community, (2) future municipal activities, and (3) communications received from citizens. It is not contemplated that these matters will be discussed or acted upon. The following individuals may provide announcements: Village President or individual Village Board members or Village Administrator or other Village Staff members.
6. Adjourn.

Ryan Bailey, Interim Village Administrator

A complete packet of meeting materials is normally available by 5:00pm on the Friday before the meeting on the Village website: [www.villageofhartland.com](http://www.villageofhartland.com) (Government/Agendas and Minutes). Notice: Please note that upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For additional information or to request this service, contact Darlene Igl, WCPC/CMC, Village Clerk, at 262/367-2714. The Municipal Building is handicap accessible.

**JOINT ARCHITECTURAL BOARD/PLAN COMMISSION MINUTES**  
**MONDAY, JULY 19, 2021**  
**7:00 PM**  
**BOARD ROOM**  
**MUNICIPAL BUILDING, 210 COTTONWOOD AVE.**

Present: Jeff Pfannerstill, James Schneeberger, Tim Hallquist, Jeff Bierman, David deCourcy-Bower & Ann Wallschlager.

Excused: Dino Xykis & Ryan Amtmann

Others Present: Interim-Administrator Bailey, Building Inspector Hussinger and Deputy Clerk Bushey.

Call to Order- 7:00 pm

Public Comments: Please be advised the Joint Architectural Board/Plan Commission will receive comments from the public related to any item(s) on the agenda for a three-minute time period per person, with time extensions per the Chairman's discretion.

**1. Consideration of a motion to approve the Architectural Board/Plan Commission minutes from June 21, 2021.**

Motion (deCourcy-Bower/Hallquist) to approve the minutes for the Architectural Board/Plan Commission meeting on June 21, 2021. Carried (6-0).

**2. Architectural Board review and consideration of an application for signage for GFL Environmental, 630 Industrial Drive-**

Hussinger said they are proposing to install 2 non-illuminated signs, 1 facing west and 1 facing south. He said they don't exceed the max of the code. The signs will be a flush mount flat panel with 1.5 aluminum and painted white and green. Jeffrey Hojnacki from Ascend Design sign company was present for GFL Environmental. Schneeberger asked about the wood post sign that was put up and Mr. Hojnacki said he didn't know if a permit was needed for that. Hussinger commented that all signs need a permit and that they should come back for that. Mr. Hojnacki said they wanted to put up the wood post sign first. Hussinger said the ground sign is very incidental and we can bring it back next time.

Motion (deCourcy-Bower/Hallquist) to approve the application for signage for 2 wall signs for GFL Environmental, 630 Industrial Drive. Carried (6-0).

**3. Architectural Board review and consideration of an application for single family condominium plans, elevations and materials for Harbor Homes in the Paradise Trail development.**

Corey Garth from Harbor Homes was present to explain the application. He said in phase 1 they have added several new 2 story plans. He said architecturally they are similar to what was approved last fall. Mr. Gerth said Neumann Development will have to approve them as well. He

said they will have a 30-year dimensional shingles, cultured stone, and the color pallet is similar to what was approved. Wallschlager commented on the unfinished basements and asked if some are exposed, and Mr. Gerth said yes some do have exposed basements. She also asked if these are the same size as the other ones, and Mr. Gerth said yes. He said the ranch style ranges from 1500-1800, and the 2 stories are 1800-2300 sq ft. Mr. Gerth said currently there are 10 homes up with 7 having accepted offers. Hussinger said his understanding is the previously approved and these apply to phase 1 & 2. Mr. Gerth said that is their plan.

Motion (deCourcy-Bower/Schneeberger) to approve the application for the Harbor Homes single-family home condominium plans, elevations, and materials in the Paradise Trails subdivision. (6-0).

#### **4. Discuss existing and proposed standards for internally illuminated signage-**

Pfannerstill said to the board more time is needed on this, he said some people have requested more time for this item. Bierman said he has been working up in Mequon and he took photos of signs up there. He said their monument signs along the roadways that are illuminated are closed off at the ground, in other words they sit on a pedestal and every pedestal is of masonry. He said some are aluminum and seem to be no bigger than a sheet of plywood. He said they were on multi-tenant properties. Pfannerstill asked even though they had pedestal bases did the store fronts have lit signs. Bierman said at this time of year it wasn't lit. He said they seemed to limit sign size in that area to 32 sq. feet. There was brief discussion on the size and lighting.

Pfannerstill said he appreciated Bierman taking photos, and this is something they need to discuss. He said he thought they all agreed at the last meeting that they don't want signs that are blinding but they also don't want to restrict someone. Pfannerstill said we will bring this back next month. Bierman said there were basically 2 perimeters, the size and the number of lumens inside and that is where the Plan Commission needs to start.

deCourcy-Bower said he did some looking around and found some good sign guidelines that would point them in the right direction. He said he looked around for example of the different American Family signs because there are a lot out there. He said it is not just about size and how lit it is. He doesn't want them to set themselves up for anything to just go thru because it meets a certain criterion. He said having looked at some signs there are good ones and there are some not so good ones. He said we should still have enough control on case-by-case basis to make the determination on whether this is something appropriate or not. deCourcy-Bower said even with standards to have control on whether it is compatible and consistent.

Pfannerstill said if anyone comes up with anything please send it to Hussinger and copy Bailey on it. He said there does need to be standards. Bierman commented that with standards it could go to Hussinger, Hussinger can say it has to fit this size, lumens and then comes to us. Wallschlager commented on the Edward Jones sign near Birch & Banyan.

Motion (deCourcy-Bower/Schneeberger) to table this item. Carried (6-0).

#### **5. Announcements-**

None.

**6. Adjourn**

Motion (deCourcy-Bower/Wallschlager) to adjourn. Adjourned at 7:32 pm.

Respectfully submitted by

Recording Secretary,

Deidre Bush y, Deputy Clerk

**DEPARTMENT OF BUILDING INSPECTION  
APPLICATION FOR SIGN PERMIT**

PERMIT # \_\_\_\_\_

JOB LOCATION 650 E. INDUSTRIAL DRIVE  
HARTLAND, WI 53029 TAX KEY # HAV-0731012003  
OWNER GFL ENVIRONMENTAL PHONE 262-369-3071  
ADDRESS 650 E. INDUSTRIAL DR CITY HARTLAND STATE WI ZIP 53029  
CONTRACTOR ASCEND DESIGN INC PHONE 414-422-9500  
ADDRESS W144 S6317 COLLEGE CITY MUSKEGO STATE WI ZIP 53150

**SIGN TYPE:**     WALL         PROJECTING         AWNING, CANOPY         GROUND  
 PORTABLE/TRAINING         REAL ESTATE PERM.         REAL ESTATE TEMP.

WORDS AS THEY WILL APPEAR ON THE SIGN:

GFL ENVIRONMENTAL / GREEN FOR LIFE  
650 EAST INDUSTRIAL DRIVE

OVERALL DIMENSIONS OF SIGN 94.25" x 46.50" COLOR OF BACKGROUND BLACK  
SIZE OF LETTERS IN INCHES 12" DOWN TO 2" COLOR OF LETTERS GREEN & WHITE

CONSTRUCTION MATERIALS OF SIGN BACKGROUND (i.e. WOOD, ALUM, ETC.)  
DIBOND SIGN PANEL COMPOSITE (PLASTIC/ALUMINUM)

ILLUMINATED?     YES         NO         INTERNALLY         EXTERNALLY

SIGN PLANS MUST BE APPROVED BY ARCHITECTURAL BOARD PRIOR TO PERMIT BEING APPROVED (SEE ARCHITECTURAL BOARD APPLICATION)

ESTIMATED COST OF ABOVE SIGN \$ 1,600<sup>00</sup>

**TO THE BUILDING INSPECTOR:** THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO DO WORK HEREIN DESCRIBED ACCORDING TO THE PLANS AND SPECIFICATIONS FILED HERewith AND LOCATED AS SHOWN ON THIS APPLICATION. THE UNDERSIGNED AGREES THAT SUCH WORK WILL BE DONE IN ACCORDANCE WITH THE SAID DESCRIPTION, PLANS AND SPECIFICATIONS AND IN COMPLIANCE WITH ZONING ORDINANCE AND ALL OTHER ORDINANCES OF THE VILLAGE OF HARTLAND AND WITH ALL THE LAWS AND ORDERS OF THE STATE OF WISCONSIN APPLICABLE TO SAID PREMISES.

APPLICANT ASCEND DESIGN C/O JEFF HOONACKI DATE 7/22/21

PLANS APPROVED:        ARCHITECTURAL BOARD \_\_\_\_\_

APPLICATION APPROVED: BUILDING INSPECTOR \_\_\_\_\_ DATE \_\_\_\_\_

TOTAL FEES: \_\_\_\_\_ DATE PAID \_\_\_\_\_ RECEIPT # \_\_\_\_\_



**DEPARTMENT OF BUILDING INSPECTION  
APPLICATION FOR ARCHITECTURAL BOARD**

Job Address <b>650 E. INDUSTRIAL DRIVE, HARTLAND WI 53029</b>			
Lot	Block	Subdivision	Key No. HAV <b>0731012003</b>
Owner <b>GFL ENVIRONMENTAL</b>		EMAIL <b>david.wall@gftenu.com</b>	Phone <b>262-369-3071</b>
Address <b>630 INDUSTRIAL DR.</b>		City <b>HARTLAND</b>	State <b>WI</b> Zip <b>53029</b>
Contractor <b>ASCENDO DESIGN</b>		Phone <b>(414) 422-9500</b> FAX <b>(414) 422-9610</b>	EMAIL
Address		City <b>MUSKEGO</b>	State <b>WI</b> Zip <b>53150</b>

The Architectural Board meets on the **THIRD MONDAY** of the Month at 7:00 p.m. in the Board Room of the Hartland Municipal Building located at 210 Cottonwood Avenue in the Village of Hartland.

The DEADLINE for filing is **FIFTEEN WORKING DAYS PRIOR TO THE MEETING DATE** at 4:30 p.m. All of the following information must be received prior to the deadline in order to be placed on the agenda.

**All applications for consideration by the Architectural Board are subject to the policies described in this document.**

**Commercial/Industrial/Multifamily:**

- Four (4) bound sets of plans and application material and one (1) electronic copy of all submittals.
- Elevations must show all sides of the structure and state the building materials and colors. Additions must be shown with the existing building.

**Signs:**

- Four (4) color renderings of the requested sign(s) and one (1) electronic copy of all submittals. Include colors and material type. Renderings are to be dimensioned and must show placement on building and height.
- Details (color picture) of all existing wall signs on the same building elevation. A photograph of the building with sign location shown is recommended.
- Four (4) site plans with dimensions. Not required for wall signs or other signs attached to the building. Four (4) sets of lighting details. Include type, location, number and photometric plan.
- Submit Sign Permit Application

**NOTE:** Approval by the Architectural Board is not permission to begin construction; a building permit must first be obtained.

Date Applied: \_\_\_\_\_ Date of Meeting: \_\_\_\_\_ Item No. \_\_\_\_\_



**GFL HARTLAND - EXTERIOR SIGNAGE**

Free-Standing 2-Post Sign - Double Sided

- Dimensions: 94.25" x 46.5"
- Sign Face Panel: CNC router-trimmed black Omegabond sign panel composite
- Sign legs and Trim: Painted matte black
- Logo & Address Lettering: digitally-trimmed, premium-quality 3M/Oracal outdoor green/white vinyl

**SCALE ELEVATIONS WILL BE PROVIDED PRIOR TO PRODUCTION**



**GFL HARTLAND - EXTERIOR SIGNAGE**

West Facade Sign (Visible from Hwy 83)

- Dimensions: 16' x 3' (48 sqft)

- Aluminum sign panel painted black. 1/4" thick aluminum letters painted to match green PMS 375 and white



## GFL HARTLAND - EXTERIOR SIGNAGE

### South Facade Sign

- Dimensions: 10.66' x 5.66' (60.44 sqft)
- Aluminum sign panel painted black. 1/4" thick aluminum letters painted to match green PMS 375 and white



#### GFL HARTLAND - EXTERIOR SIGNAGE

Free-Standing 2-Post Sign - Double Sided

- Dimensions: 94.25" x 46.5"
- Sign Face Panel: CNC router-trimmed black Omegabond sign panel composite
- Sign legs and Trim: Painted matte black
- Logo & Address Lettering: digitally-trimmed, premium-quality 3M/Oracal outdoor green/white vinyl
- GFL to provide low-grow landscaping around base.

**SCALE ELEVATIONS WILL BE PROVIDED PRIOR TO PRODUCTION**

419.01'

10062

0731 012 004

3'

3

LAKE COUNTRY INDUSTRIAL PARK

291.52'

148.59 ft

Total: 50.83 ft

Total: 148.59 ft

50.83 ft

0731 012

7123

419.01'

419.13'

0730 953

E INDUSTRIAL DR



Zoned B-5

DEPARTMENT OF BUILDING INSPECTION
APPLICATION FOR ARCHITECTURAL BOARD

Job Address 390 ROSE DRIVE, HARTLAND, WI 53029
Lot 2 CSM Block Subdivision Key No. HAV 0759992
Owner SCF RD FUNDING EMAIL CURTO@ESSENTIAL PROPERTIES.COM Phone 609-436-0622
Address 902 CARENGIE CTR City PRINCETON, NJ State NJ Zip 08540
Contractor BAUER SIGN Phone 262-784-0500 FAX EMAIL LANCE@BAUERSIGNUSA.COM
Address 2500 S. 170th ST City NEW BERLIN State WI Zip 53151

The Architectural Board meets on the THIRD MONDAY of the Month at 7:00 p.m. in the Board Room of the Hartland Municipal Building located at 210 Cottonwood Avenue in the Village of Hartland.

The DEADLINE for filing is FIFTEEN WORKING DAYS PRIOR TO THE MEETING DATE at 4:30 p.m. All of the following information must be received prior to the deadline in order to be placed on the agenda.

All applications for consideration by the Architectural Board are subject to the policies described in this document.

Commercial/Industrial/Multifamily:

- Four (4) bound sets of plans and application material and one (1) electronic copy of all submittals.
Elevations must show all sides of the structure and state the building materials and colors. Additions must be shown with the existing building.

Signs:

- Four (4) color renderings of the requested sign(s) and one (1) electronic copy of all submittals. Include colors and material type. Renderings are to be dimensioned and must show placement on building and height.
Details (color picture) of all existing wall signs on the same building elevation. A photograph of the building with sign location shown is recommended.
Four (4) site plans with dimensions. Not required for wall signs or other signs attached to the building.
Four (4) sets of lighting details. Include type, location, number and photometric plan.
Submit Sign Permit Application

NOTE: Approval by the Architectural Board is not permission to begin construction; a building permit must first be obtained.

Date Applied: Date of Meeting: Item No.

**Hartland Architectural Board  
Application Review Policies**

**All applicants and applications are subject to the following policies in order to be considered by the Architectural Board.**

1. The deadline for filing any application is a minimum of fifteen (15) working days before the meeting.
2. All applicants for building renovations are encouraged to communicate with or meet with the Building and Zoning Official and the Village Administrator prior to submission of an application.
3. Applications for signs within the boundaries of the Hartland Downtown Business Improvement District (BID) must be reviewed by the BID prior to the meeting with the Architectural Board.
4. All requested or required information, including the application and appropriate fees, must be received prior to the deadline in order to be placed on the agenda. Village Staff has been directed to delay placement on the Architectural Board Agenda based on incomplete submittals.
5. Applications shall include professional-level drawings of all elevations impacted by the proposed project showing the proposed conditions including location and depiction of requested signage.
6. Applications for signage on existing buildings should include a scale depiction of the sign on a current photograph of the existing building.
7. Four (4) sets of application materials and one (1) electronic copy (PDF) of all application materials must be submitted by the deadline.
8. Applications that include site plans must depict the following existing and proposed information plus other information as appropriate or as requested:
  - a. Complete dimensions (lot, building, setbacks, parking, drives, etc.)
  - b. Scale and north arrow
  - c. All structures (include building elevations and height)
  - d. Drainage and grades (include design calculations for drainage)
  - e. Storm Water Management Plan
  - f. Utilities and easements (sewer, water, storm etc.)
  - g. Calculation of lot coverage
  - h. Parking stalls (stalls to be minimum 180 s.f., driving lanes minimum 24 ft. wide and 30 ft. maximum at street right-of-way, asphalt to be minimum 3 ft. from lot lines)
  - i. Grading and erosion control
  - j. Landscaping, including a Tree Protection Plan
  - k. Exterior lighting details
  - l. Exterior HVAC equipment location
  - m. Dumpster location (screening required)
  - n. Street right-of-way
  - o. Miscellaneous items including, but not limited to, 100 year floodplain, wetland boundary, environmental corridor
9. Additional information may be requested by the Architectural Board or Staff.
10. The Applicant must complete and submit the required Professional Services Reimbursement Form along with any required deposit at the time of application.
11. The Applicant or a representative of Applicant able to make representations on behalf of the Applicant shall attend the meeting at which the matter will be discussed. Failure to have representation will result in tabling of the request to the next meeting.

**DEPARTMENT OF BUILDING INSPECTION  
APPLICATION FOR SIGN PERMIT**

PERMIT # \_\_\_\_\_

JOB LOCATION 880 ROSE DRIVE HARTLAND TAX KEY # HAV 0759992  
OWNER CADENCE ACADEMY PHONE 262-367-9717  
ADDRESS 880 ROSE DRIVE CITY HARTLAND STATE WI ZIP 53029  
CONTRACTOR BAUER SIGN & LIGHT PHONE 262-784-0500  
ADDRESS 2505 S. 170<sup>TH</sup> CITY NEW BERLIN STATE WI ZIP 53151

SIGN TYPE:     WALL             PROJECTING             AWNING, CANOPY             GROUND  
 PORTABLE/TRAINING             REAL ESTATE PERM.             REAL ESTATE TEMP.

WORDS AS THEY WILL APPEAR ON THE SIGN:  
CADENCE ACADEMY, PRESCHOOL + 880 ADDRESS

OVERALL DIMENSIONS OF SIGN 6' x 8' COLOR OF BACKGROUND GREEN  
SIZE OF LETTERS IN INCHES 8" COLOR OF LETTERS WHITE

CONSTRUCTION MATERIALS OF SIGN BACKGROUND (i.e. WOOD, ALUM, ETC.)  
aluminum monument FACES, acrylic copy

ILLUMINATED?     YES             NO             INTERNALLY             EXTERNALLY

SIGN PLANS MUST BE APPROVED BY ARCHITECTURAL BOARD PRIOR TO PERMIT BEING APPROVED (SEE ARCHITECTURAL BOARD APPLICATION)

ESTIMATED COST OF ABOVE SIGN \$ \$4,000

**TO THE BUILDING INSPECTOR:** THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO DO WORK HEREIN DESCRIBED ACCORDING TO THE PLANS AND SPECIFICATIONS FILED HERewith AND LOCATED AS SHOWN ON THIS APPLICATION. THE UNDERSIGNED AGREES THAT SUCH WORK WILL BE DONE IN ACCORDANCE WITH THE SAID DESCRIPTION, PLANS AND SPECIFICATIONS AND IN COMPLIANCE WITH ZONING ORDINANCE AND ALL OTHER ORDINANCES OF THE VILLAGE OF HARTLAND AND WITH ALL THE LAWS AND ORDERS OF THE STATE OF WISCONSIN APPLICABLE TO SAID PREMISES.

APPLICANT [Signature] DATE 7-16-21

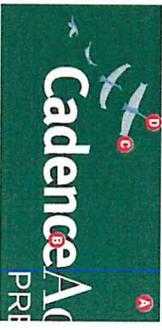
PLANS APPROVED: ARCHITECTURAL BOARD \_\_\_\_\_

APPLICATION APPROVED: BUILDING INSPECTOR \_\_\_\_\_ DATE \_\_\_\_\_

TOTAL FEES: \_\_\_\_\_ DATE PAID \_\_\_\_\_ RECEIPT # \_\_\_\_\_

- Cadence Academy Color Schedule:
- A Pantone @ 349c Green / AkzoNobel SIGN3330
  - B White
  - C Pantone @ 5435c / AkzoNobel SIGN60097
  - D Pantone @ 7682c / AkzoNobel 480A5
  - Brushed Aluminum

Paint Color Specifications:

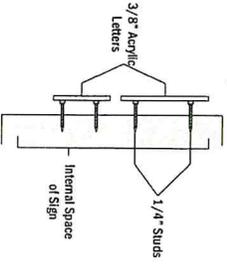


Logo Accent(s) Spacing From Cabinet:



Square Footage - Freestanding: 24 sq. ft.

Mounting Detail:

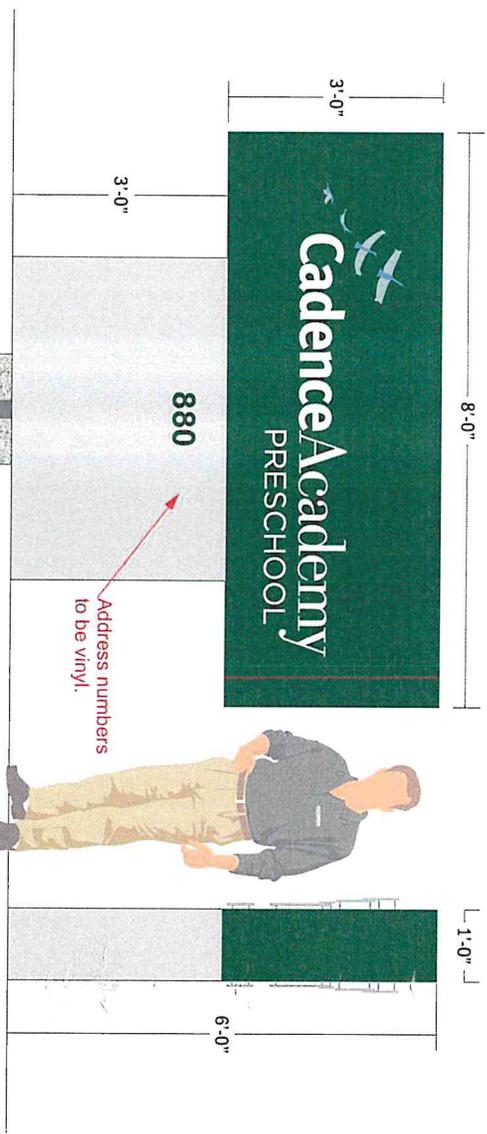


**A** One (1) Double Sided non-illuminated sign cabinet to be finished as shown. Upper and copy 3/8" Precision Cut acrylic, stud mounted to cabinet with aluminum standoffs (Note: Spacing). Lower skirt to be painted brushed aluminum.

Existing signage:



Proposed signage: Not to exact scale.



ALL ARTWORK IS BILLABLE Customer Approval: \_\_\_\_\_

Date: \_\_\_\_\_

PAGE: 1

**SIGN CONNECTION**  
Building a Better Brand.

1460 Pickett Court Gastonia, NC 28052  
PH 704.888.4300 FX 704.888.4392  
WWW.SIGNCON.COM

This is not a contract. The only contract is the contract between you and your client. SIGN CONNECTION IS NOT RESPONSIBLE FOR DAMAGE TO UNLABELED UTILTY LINES.

Client: \_\_\_\_\_  
JOB#: 1864  
Customer: Cadence Academy  
Job Name: Cadence Academy  
Address: 880 Rose Dr.,  
Harland, WI 53029  
Sales Contact: ME

Initial Design Date: 7/2/2010  
Designer: J. Davis  
Scale: 1:20

- Conceptual Drawing
  - Design Development
  - Final Production
- Revision Date(s): xx/xx/xxxx

Critical to Quality Information:

xxx

Font Schedule

FONT 1  
FONT 2  
FONT 3



© 2014, Sign Connection, Incorporated  
This sign is intended to be installed in accordance with the requirements of the applicable code and standards. Code number and manufacturer name are not included. This includes proper grounding and bonding of the sign.  
ISO 9001:2015 CERTIFIED

**DEPARTMENT OF BUILDING INSPECTION  
APPLICATION FOR SIGN PERMIT**

PERMIT # \_\_\_\_\_

JOB LOCATION 880 ROSEDA, HARTLAND TAX KEY # HAV 0759992  
OWNER CADENCE ACADEMY PHONE 262-367-9717  
ADDRESS 880 ROSE DRIVE CITY HARTLAND STATE WI ZIP 53029  
CONTRACTOR BAUER SIGN & LIGHT PHONE 262-784-0500  
ADDRESS 2500 S. 170<sup>TH</sup> CITY NEW BERLIN STATE WI ZIP 53151

SIGN TYPE:  WALL     PROJECTING     AWNING, CANOPY     GROUND  
 PORTABLE/TRAINING     REAL ESTATE PERM.     REAL ESTATE TEMP.

WORDS AS THEY WILL APPEAR ON THE SIGN:

CADENCE ACADEMY PRESCHOOL

OVERALL DIMENSIONS OF SIGN 3'6" x 12" COLOR OF BACKGROUND TAN

SIZE OF LETTERS IN INCHES 8" COLOR OF LETTERS WHITE

CONSTRUCTION MATERIALS OF SIGN BACKGROUND (i.e. WOOD, ALUM, ETC.)

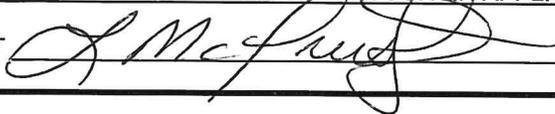
3/8" ACRYLIC LETTERS

ILLUMINATED?     YES     NO     INTERNALLY     EXTERNALLY

SIGN PLANS MUST BE APPROVED BY ARCHITECTURAL BOARD PRIOR TO PERMIT BEING APPROVED (SEE ARCHITECTURAL BOARD APPLICATION)

ESTIMATED COST OF ABOVE SIGN \$ 650

**TO THE BUILDING INSPECTOR:** THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO DO WORK HEREIN DESCRIBED ACCORDING TO THE PLANS AND SPECIFICATIONS FILED HERewith AND LOCATED AS SHOWN ON THIS APPLICATION. THE UNDERSIGNED AGREES THAT SUCH WORK WILL BE DONE IN ACCORDANCE WITH THE SAID DESCRIPTION, PLANS AND SPECIFICATIONS AND IN COMPLIANCE WITH ZONING ORDINANCE AND ALL OTHER ORDINANCES OF THE VILLAGE OF HARTLAND AND WITH ALL THE LAWS AND ORDERS OF THE STATE OF WISCONSIN APPLICABLE TO SAID PREMISES.

APPLICANT  DATE 7-16-2021

PLANS APPROVED: ARCHITECTURAL BOARD \_\_\_\_\_

APPLICATION APPROVED: BUILDING INSPECTOR \_\_\_\_\_ DATE \_\_\_\_\_

Cadence Academy Color Schedule:  
**A** White  
**B** Pantone 5435c / AkzoNobel SIGN60097  
**C** Pantone 7682c / AkzoNobel 48045

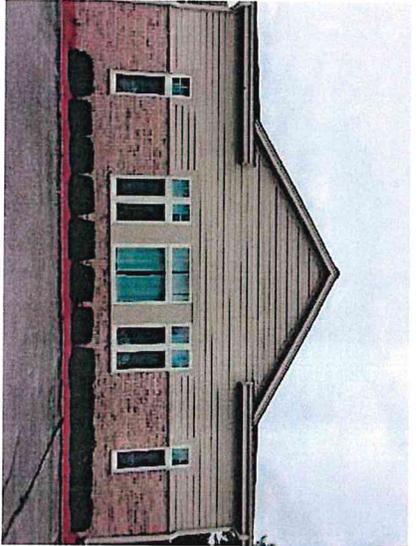
Paint Color Specifications:



Logo Accent(s) Spacing from Wall:



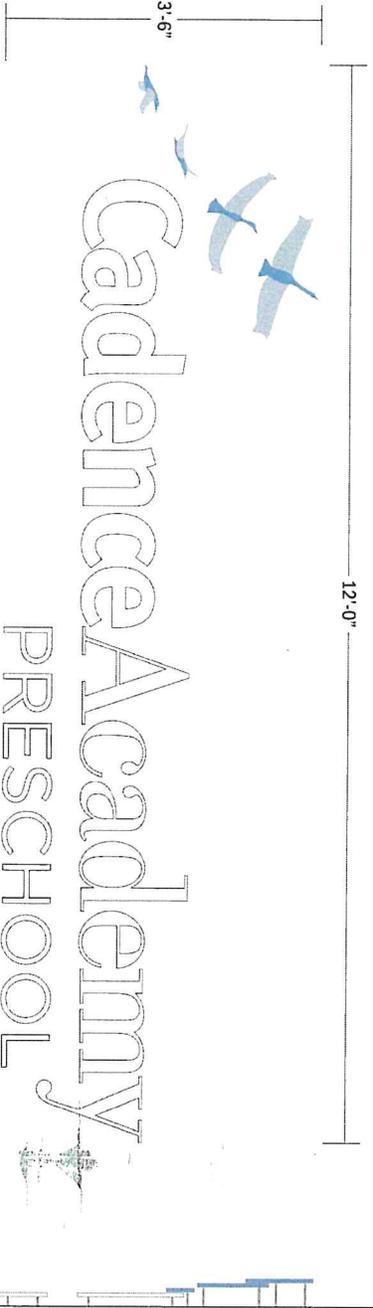
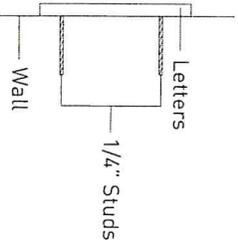
Square Footage: **30.9 sq ft**



Existing wall.



Proposed Signage: Not to Exact Scale.



Side View

**B** One (1) set of 3/8" thick acrylic letters stud mounted to wall.  
 Note: Spacing of acrylic letters from wall illustrated in side view and diagram.

ALL ARTWORK IS BILLABLE Customer Approval: \_\_\_\_\_

Date: \_\_\_\_\_

PAGE: 2

**SIGN CONNECTION**  
 Building a Better Brand.

1640 Parcelle Court Gastonia, NC 28052  
 PH 704.885.4500 FX 704.885.4592  
[www.signconnection.com](http://www.signconnection.com)

This document is the property of Sign Connection, Inc. It is to be used only for the project and customer named herein. Any reproduction or use of this document without the express written consent of Sign Connection, Inc. is strictly prohibited. Sign Connection, Inc. reserves the right to modify this document without notice.

Client:

JOB#: 1864  
 Customer: Cadence Academy  
 Job Name: Cadence Academy  
 Address: 880 Rose Dr.,  
 Hartland, WI 53029  
 Sales Contact: ME

Initial Design Date: 7/2/2010

Designer: J. Davis

Scale: 1:20

- Conceptual Drawing
- Design Development
- Final Production

Revision Date(s): xx/xx/xxxx

Critical to Quality Information:

xxx

Font Schedule

FONT 1  
 FONT 2  
 FONT 3



© 2016 Sign Connection, Incorporated  
 This sign is intended to be installed  
 in accordance with the requirements of  
 Code and/or other applicable local codes.  
 The customer provides and bears the cost of the sign.  
 ISO 9001:2015 CERTIFIED

SEF-Q15 Rev. 3 Effective Date: 11/18/2017

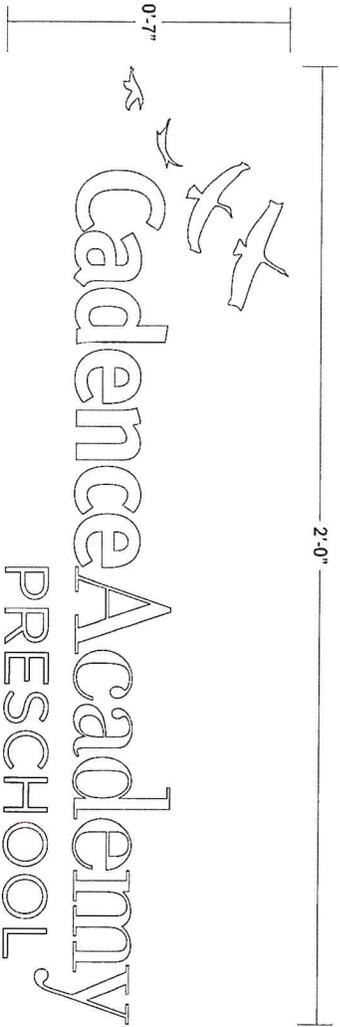
Color Schedule:  
 White Vinyl



Existing door glass.



Proposed signage: Not to exact scale.



**C** One (1) White vinyl logo to be applied to existing glass surface as shown.

ALL ARTWORK IS BILLABLE Customer Approval: \_\_\_\_\_ Date: \_\_\_\_\_

PAGE: 3

SEP-2018 Rev 3 Effective Date: 11/18/2017

**SIGN CONNECTION**  
Building a Better Brand.

1440 Parcel Court Gastonia, NC 28852  
PH 704.858.4300 FX 704.858.4392  
[www.signconnection.com](http://www.signconnection.com)

This is not to be used for any other project without the express written consent of Sign Connection. All rights reserved. Customer's final approval is required for final artwork.

Client:

JOB#: 1864  
Customer: Cadence Academy  
Job Name: Cadence Academy  
Address: 880 Rose Dr.,  
Hartland, WI 53029  
Sales Contact: ME

Initial Design Date: 7/2/2010

Designer: J. Davis

Scale: 1:3

- Conceptual Drawing
  - Design Development
  - Final Production
- Revision Date(s): xx/xx/xxxx

Critical to Quality Information:

xxx

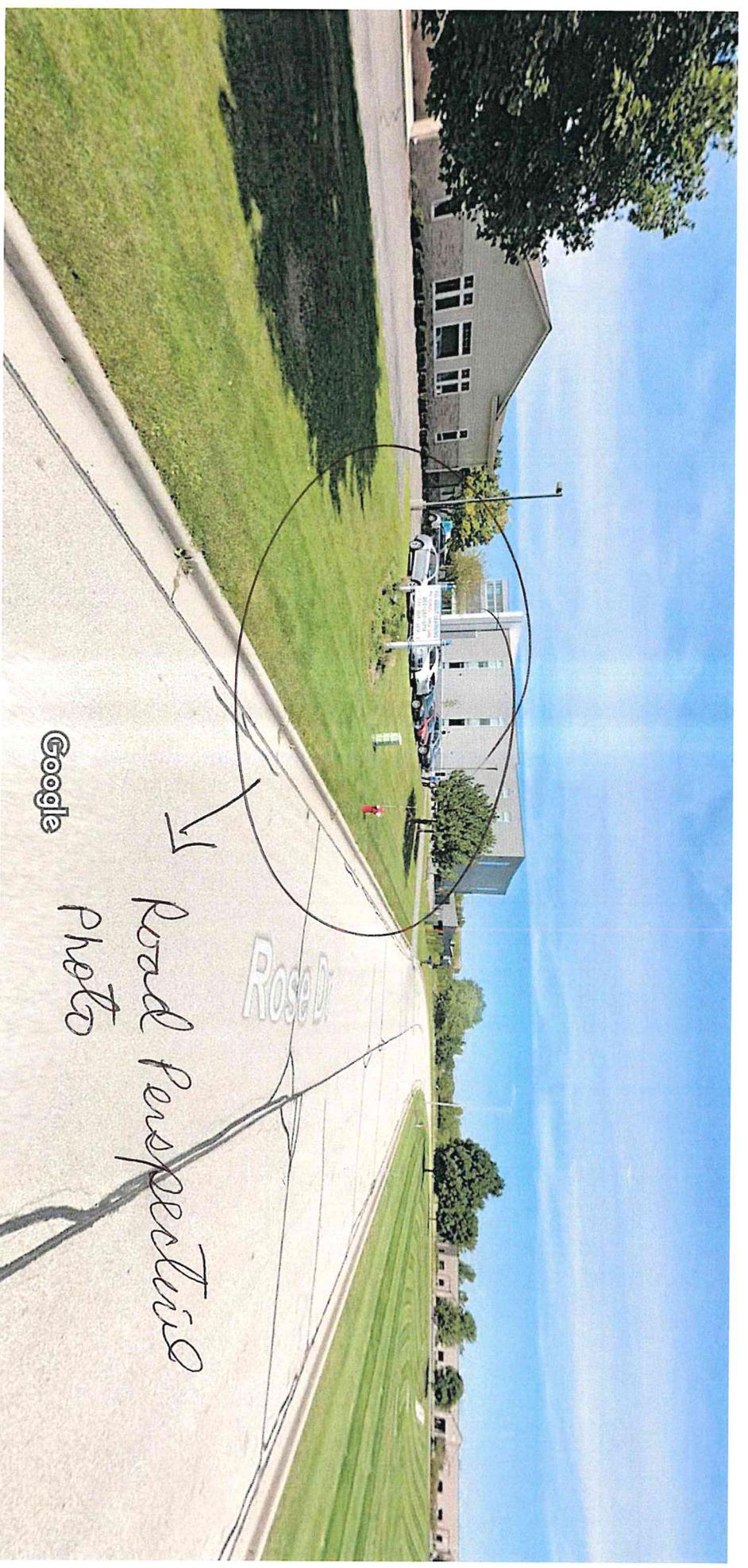
Font Schedule

FONT 1  
FONT 2  
FONT 3



© 2016, Sign Connection, Incorporated  
This sign is intended to be printed in  
white vinyl on a dark background.  
All rights reserved. Customer's final approval is required for final artwork.  
This is not to be used for any other project without the express written consent of Sign Connection.  
ISO 9001:2015 CERTIFIED

Google Maps 743 Rose Dr



Google

Hartland, Wisconsin



Street View

Image capture: Aug 2019 © 2021 Google



ALL ARTWORK IS BILLABLE Customer Approval: \_\_\_\_\_

Date: \_\_\_\_\_

PAGE: 5

SP-035 Rev: 3 Effective Date: 11/16/2017

**SIGN CONNECTION**  
Building a Better Brand.

1649 Pickett Court Gastonia, NC 28052  
PH: 704.868.4300 FX: 704.868.4392  
[www.signconnection.com](http://www.signconnection.com)

This is a preliminary drawing. It is not intended for construction. It is subject to change without notice. The client is responsible for obtaining all necessary permits and approvals. The client is responsible for providing all necessary information and materials. The client is responsible for providing all necessary information and materials.

**Client:**

JOB#: 1864  
Customer: Cadence Academy  
Job Name: Cadence Academy  
Address: 880 Rose Dr.,  
Hartland, WI 53029  
Sales Contact: ME

Initial Design Date: 7/2/2010

Designer: J. Davis

Scale:

- Conceptual Drawing
  - Design Development
  - Final Production
- Revision Date(s): xx/xx/xxxx

**Critical to Quality Information:**

xxx

**Font Schedule**

FONT 1  
FONT 2  
FONT 3



© 2014, Sign Connection, Incorporated  
This sign is intended to be installed in accordance with the requirements of the applicable local, state, and federal codes. The client is responsible for obtaining all necessary permits and approvals. The client is responsible for providing all necessary information and materials.

ISO 9001:2018 CERTIFIED



**DEPARTMENT OF BUILDING INSPECTION  
APPLICATION FOR ARCHITECTURAL BOARD**

Job Address <b>420 Lindenwood Dr Hartland, WI 53029</b>			
Lot <b>18</b>	Block <b>19</b>	Subdivision <b>Hartridge Addn</b>	Key No. <b>HAV0762037</b>
Owner <b>Tom Gresham</b>			Phone <b>(262)893-9476</b>
Address <b>420 Lindenwood Dr</b>		City <b>Hartland</b>	State <b>WI</b> Zip <b>53029</b>
Contractor <b>Champion Window Co. of Milwaukee, LLC</b>		Phone <b>(984)224-7926</b> FAX <b>N/A</b>	E-Mail Address <b>Kalston@championwindow.com</b>
Address <b>16560 W Glendale Dr</b>		City <b>New Berlin</b>	State <b>WI</b> Zip <b>53151</b>

The Architectural Board meets on the **THIRD MONDAY** of the Month at 7:00 p.m. in the Board Room of the Hartland Municipal Building located at 210 Cottonwood Avenue in the Village of Hartland.

The DEADLINE for filing is **FIFTEEN WORKING DAYS PRIOR TO THE MEETING DATE** at 4:30 p.m. All of the following information must be received prior to the deadline in order to be placed on the agenda.

**All applications for consideration by the Architectural Board are subject to the policies described in this document.**

**One & Two Family**

- Four (4) bound sets of construction plans and application material and one (1) electronic copy of all submittals. One set of plans must be stamped "approved by the developer" if required.
- These plans may be reused to apply for the building permit. Building elevations are all that is necessary to obtain Architectural Board approval. Although it is recommended that complete construction plans along with other building permit application material be submitted in order to begin the permit process as soon as possible after the meeting.
- Elevations must show all sides of the structure and state the building materials and colors. Additions must be shown with the existing building.
- Four (4) site plans. These site plans must be detailed and dimensioned and may also be reused to apply for the building permit. One set of site plans must be stamped "approved by the developer" (if applicable).
- Three (3) plats of survey are required for new dwellings at the time of building permit application.

**NOTE:** Approval by the Architectural Board is not permission to begin construction; a building permit must first be obtained.

Date Applied: \_\_\_\_\_ Date of Meeting: \_\_\_\_\_ Item No. \_\_\_\_\_

**Hartland Architectural Board  
Application Review Policies**

**All applicants and applications are subject to the following policies in order to be considered by the Architectural Board.**

1. The deadline for filing any application is a minimum of fifteen (15) working days before the meeting.
2. All applicants for building renovations are encouraged to communicate with or meet with the Building and Zoning Official prior to submission of an application.
3. All requested or required information, including the application and appropriate fees, must be received prior to the deadline in order to be placed on the agenda. Village Staff has been directed to delay placement on the Architectural Board Agenda based on incomplete submittals.
4. Applications shall include professional-level drawings of all elevations showing the existing and proposed conditions.
5. Four (4) sets of application materials and one (1) electronic copy (PDF) of all application materials must be submitted by the deadline.
6. Applications that include site plans must depict the following existing and proposed information plus other information as appropriate or as requested:
  - a. Complete dimensions (lot, building, setbacks, parking, drives, etc.)
  - b. Scale and north arrow
  - c. All structures (include building elevations and height)
  - d. Drainage and grades (include design calculations for drainage)
  - e. Storm Water Management Plan
  - f. Utilities and easements (sewer, water, storm etc.)
  - g. Calculation of lot coverage
  - h. Parking stalls (stalls to be minimum 180 s.f., driving lanes minimum 24 ft. wide and 30 ft. maximum at street right-of-way, asphalt to be minimum 3 ft. from lot lines)
  - i. Grading and erosion control
  - j. Landscaping, including a Tree Protection Plan
  - k. Exterior lighting details
  - l. Exterior HVAC equipment location
  - m. Street right-of-way
  - n. Miscellaneous items including, but not limited to, 100 year floodplain, wetland boundary, environmental corridor
7. Additional information may be requested by the Architectural Board or Staff.
8. The Applicant must complete and submit the required Professional Services Reimbursement Form along with any required deposit at the time of application.
9. The Applicant or a representative of Applicant able to make representations on behalf of the Applicant shall attend the meeting at which the matter will be discussed. Failure to have representation will result in tabling of the request to the next meeting.



Department of Building Inspection

PERMIT # \_\_\_\_\_

# APPLICATION FOR BUILDING PERMIT

210 Cottonwood Avenue • Hartland, WI 53029 • Phone (262) 367-4744 • Fax (262) 367-2430

JOB LOCATION 420 Lindenwood Dr Hartland, WI 53029

LOT 18 BLOCK 19 SUBD Hartridge Addn TAX KEY HAV0762037

OWNER Tom Gresham PHONE (262)893-9476 FAX N/A

ADDRESS 420 Lindenwood Dr CITY, STATE, ZIP Hartland, WI 53029

CONTRACTOR Champion Window Co. of Milwaukee, LLC PHONE (984)224-7926 FAX N/A

ADDRESS 16560 W Glendale Dr CITY, STATE, ZIP New Berlin, WI 53151

When permit is ready notify:  Contractor  Owner  By:  Mail  Phone  Fax

Project Description: Addition of a studio style three season sunroom on a new deck

Current principal use of property Single Family Home

Proposed principal use of property Single Family Home

Width 14' Length 12' Sq. Ft. 168 Height 8' Cu. Ft. 1344

Estimated cost of above job(s) \$ 23,451 \$ \_\_\_\_\_ \$ \_\_\_\_\_

State Approval \_\_\_\_\_ Date \_\_\_\_\_

Class of Construction \_\_\_\_\_ Sprinkler \_\_\_\_\_ Stories \_\_\_\_\_

**TO THE BUILDING INSPECTOR:** The undersigned hereby applies for a permit to do work herein described according to the plans and specifications filed herewith and located as shown on this application. The undersigned agrees that such work will be done in accordance with the said description, plans and specifications and in compliance with the Uniform Dwelling Code of Wisconsin Administrative Code, Zoning Ordinance, all other ordinances of the Village of Hartland and with all the laws and orders of the State of Wisconsin applicable to said premises.

Signature of Applicant Kendra Alston Date 7/8/21

**CONDITIONS OF APPROVAL:** This permit is issued pursuant to the following conditions. Failure to comply may result in suspension or revocation of this permit or other penalty.

1. See plans for possible conditions/recommendations
2. \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

\_\_\_\_\_ TOTAL FEES

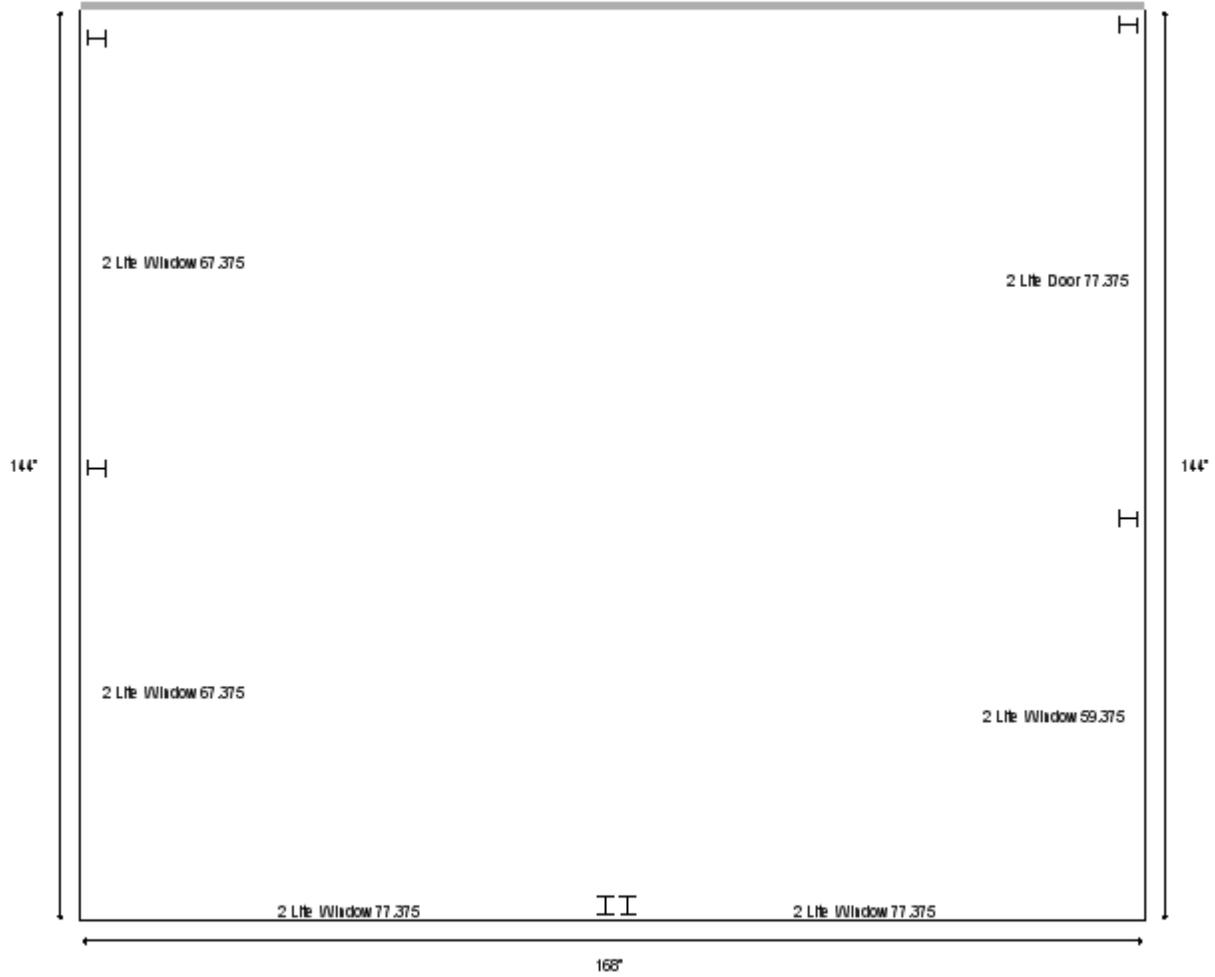
\_\_\_\_\_ Date Paid

\_\_\_\_\_ Receipt

Meeting dates plans were approved for building permit:  
Plan Commission \_\_\_\_\_ Village Board \_\_\_\_\_ Arch Board \_\_\_\_\_

APPLICATION APPROVED ON: \_\_\_\_\_ BY: \_\_\_\_\_  
DATE BUILDING INSPECTOR

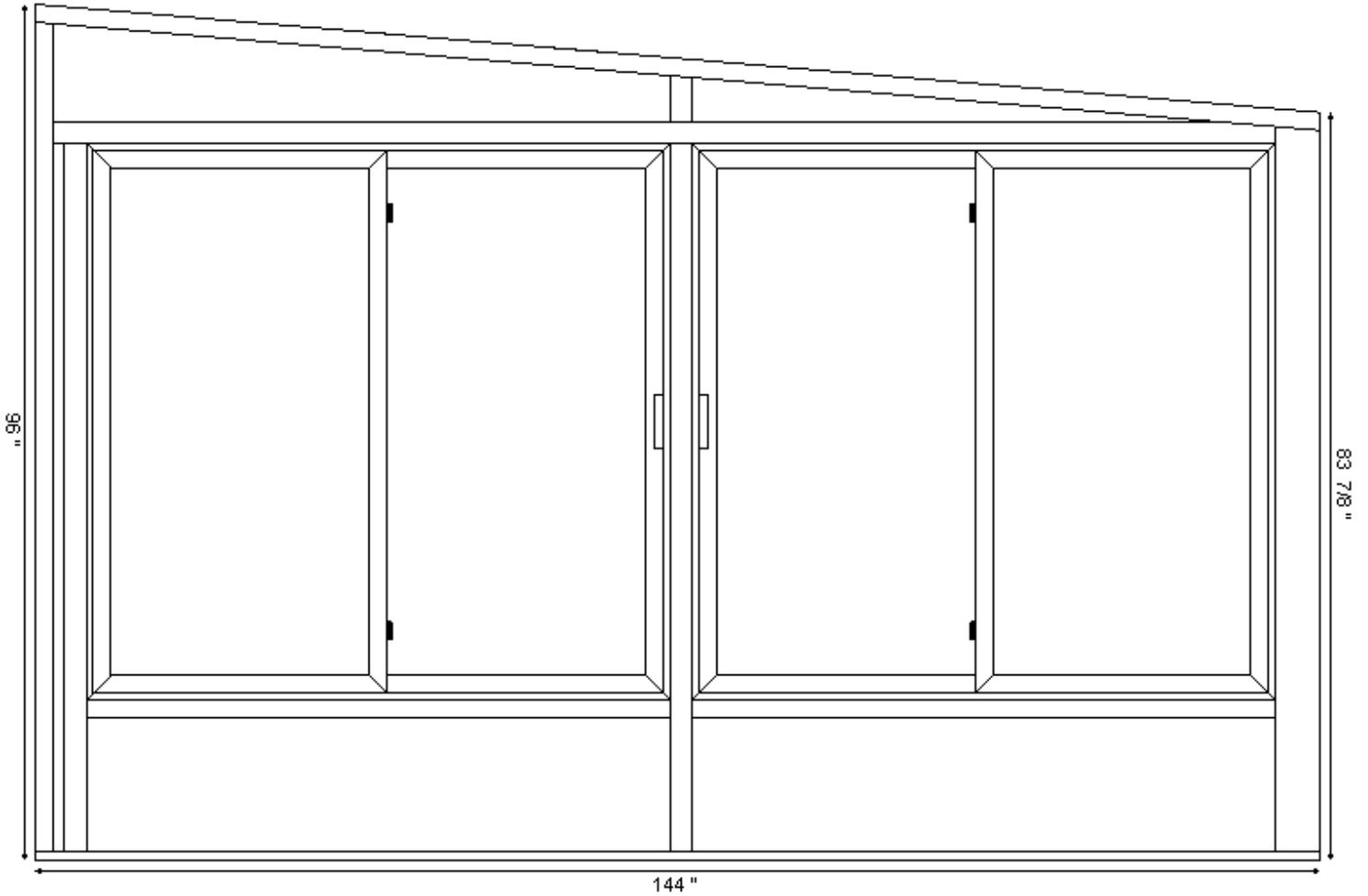
# Floor Plan



## Dimensions

Attachment Height: 96 "  
B Wall Height: 83.875 "  
B Wall Width: 168 "  
A Wall Width: 144 "  
C Wall Width: 144 "  
Roof Overhang: 6 "

# A Wall



## Dimensions

Attachment Height: 96 "  
B Wall Height: 83.875 "  
A Wall Width: 144 "  
Roof Overhang: 6 "

## Layout

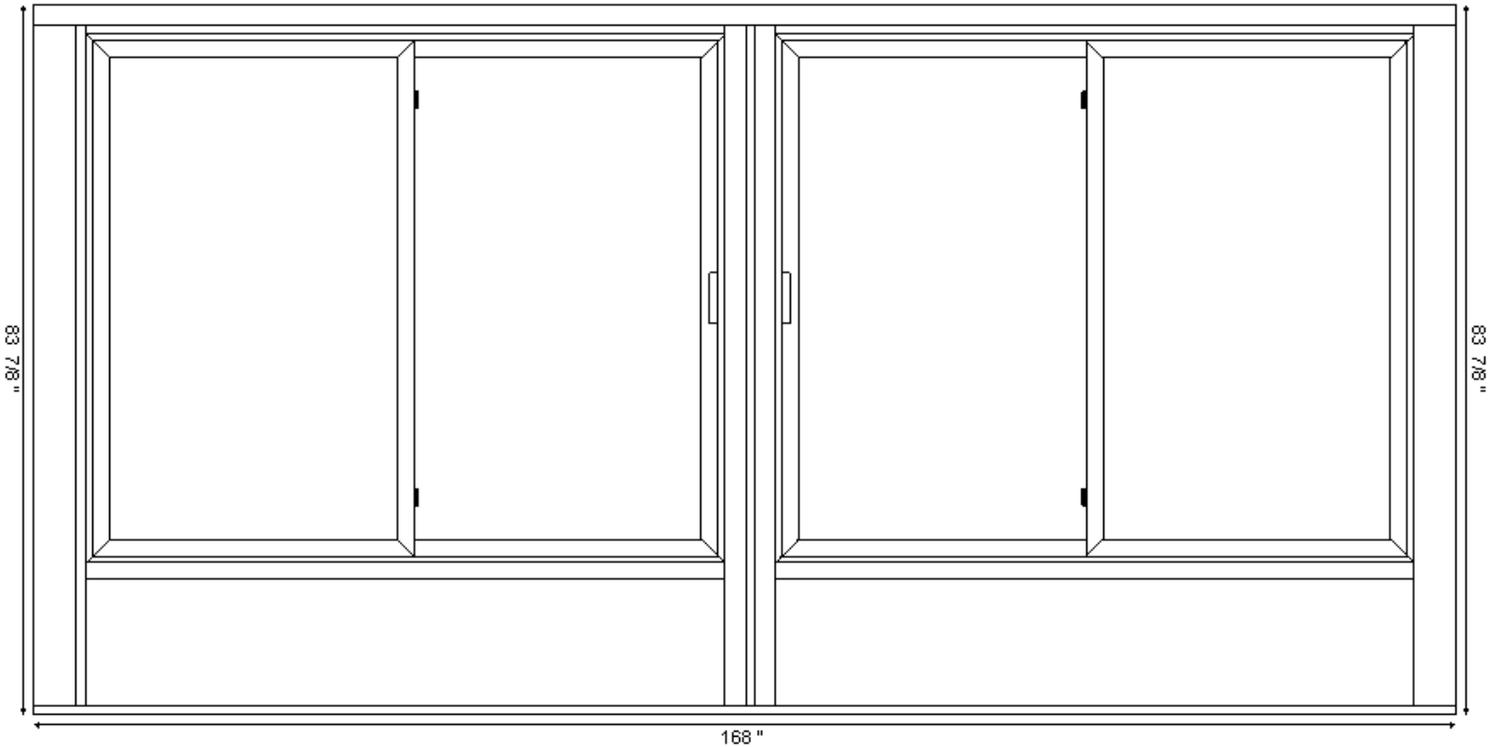
1.5" (Expander) + 2.75" (Foam) + 0.5" (THERMAL H) + 67.375" (2 Lite Window) + 0.5" (THERMAL H) + 67.375" (2 Lite Window) + 4" (Corner Post)

ORDER NO: 1808

ITEM: 1

DATE: 02/16/21

## B Wall



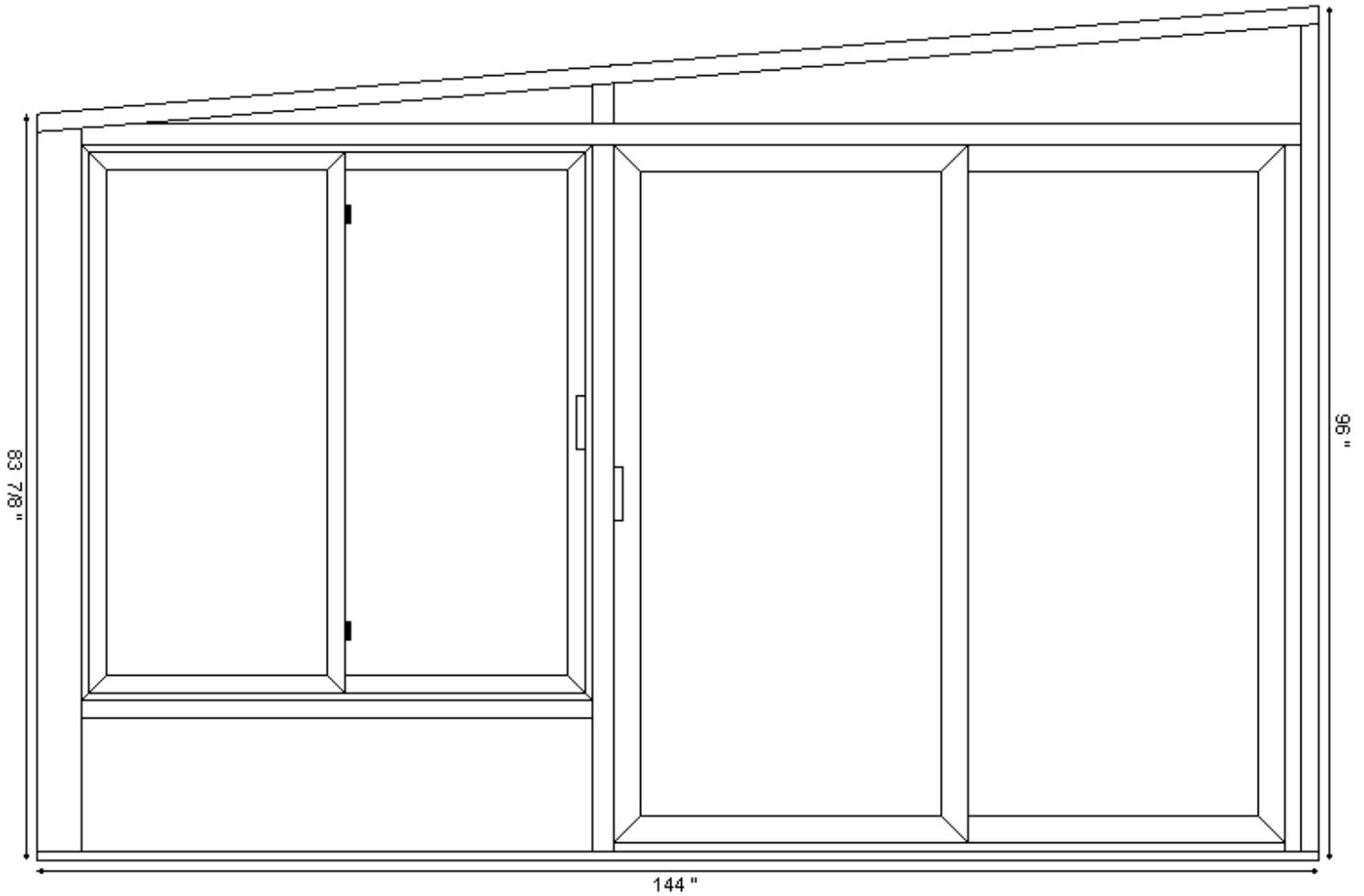
### Dimensions

Attachment Height: 96 "  
B Wall Height: 83.875 "  
B Wall Width: 168 "  
Roof Overhang: 6 "

### Layout

4" (Corner Post) + 1.25" (Sill) + 77.375" (2 Lite Window) + 0.5" (THERMAL H) + 3" (Panel) + 0.5" (THERMAL H) + 77.375" (2 Lite Window) + 4" (Corner Post)

### C Wall



#### Dimensions

Attachment Height: 96 "  
B Wall Height: 83.875 "  
C Wall Width: 144 "  
Roof Overhang: 6 "

#### Layout

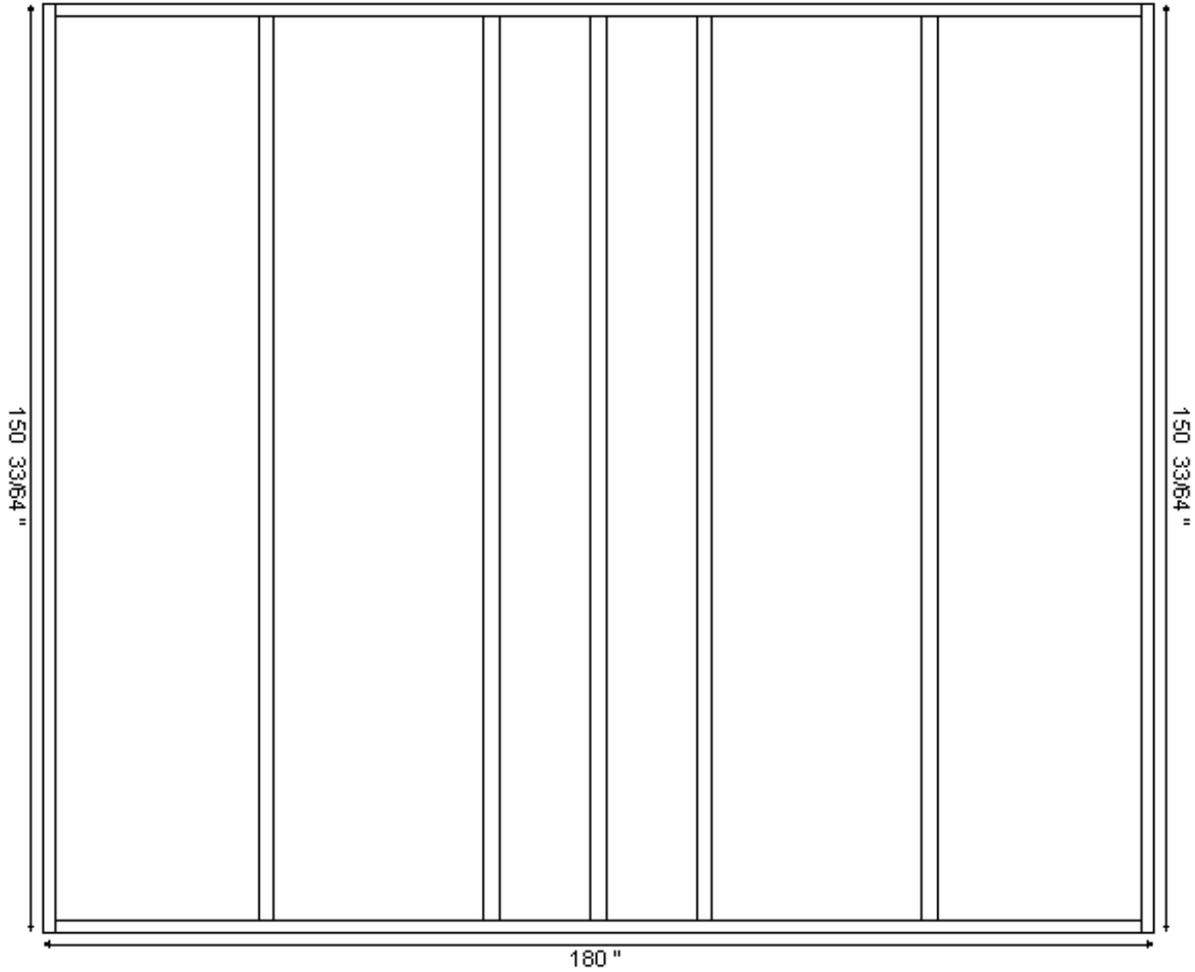
4" (Corner Post) + 59.375" (2 Lite Window) + 0.5" (THERMAL H) + 77.375" (2 Lite Door) + 0.5" (THERMAL H) + 2" (Expander) + 0.25" (Remainder - No Fill)

ORDER NO: 1808

ITEM: 1

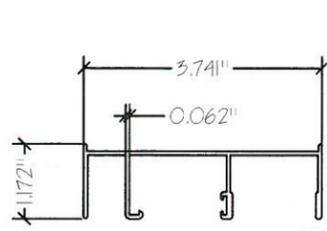
DATE: 02/16/21

# Roof

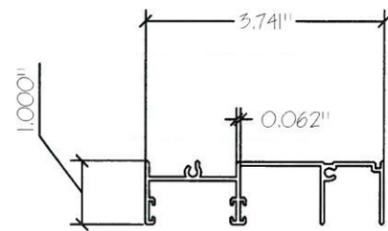


## Dimensions

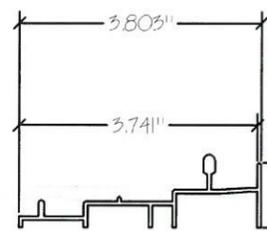
Attachment Height: 96 "  
B Wall Height: 83.875 "  
B Wall Width: 168 "  
A Wall Width: 144 "  
C Wall Width: 144 "  
Roof Overhang: 6 "



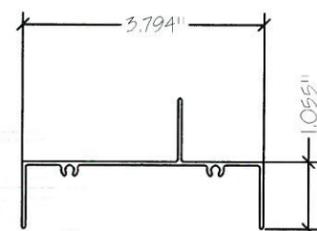
1 WINDOW/DOOR FRAME HEAD



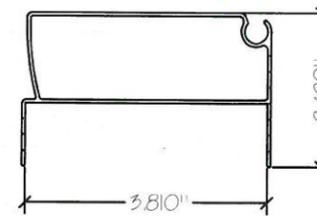
2 WINDOW/DOOR FRAME JAMB



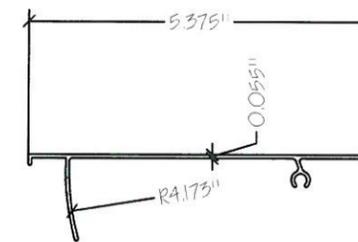
3 WINDOW/DOOR FRAME SILL



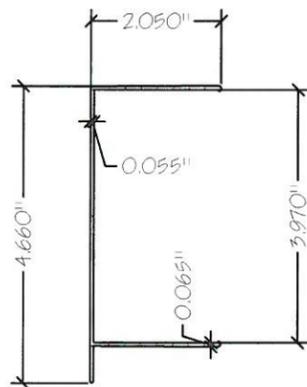
4 TRANSOM FRAME



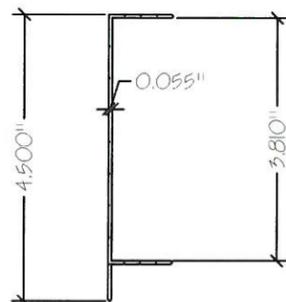
5 HEADER BASE



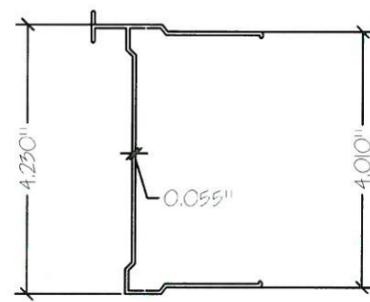
6 HEADER ARM



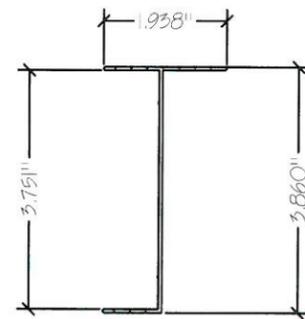
7 4" EXPANDER



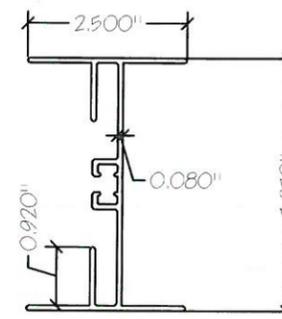
8 4" F-CHANNEL



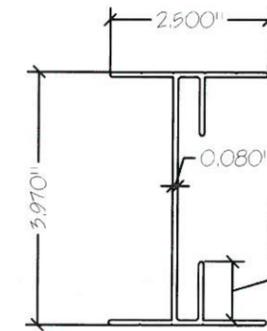
9 4" HANGER BASE



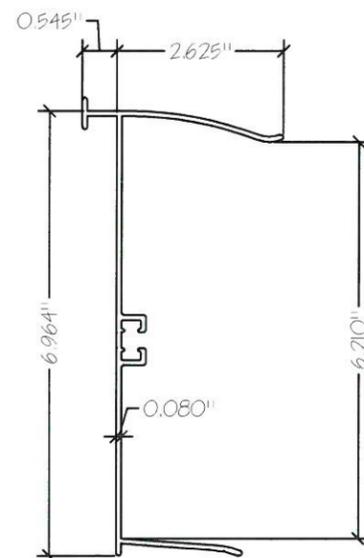
10 4" SILL EXTRUSION



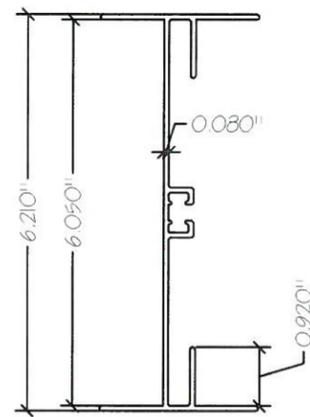
11 4" I-SECTION THERM



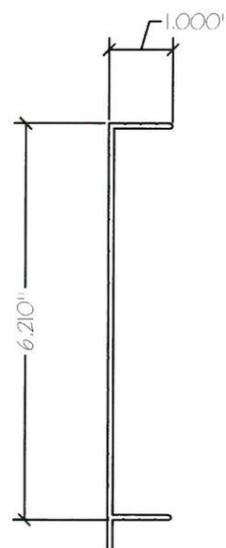
12 4" NON-THERM I-SECTION



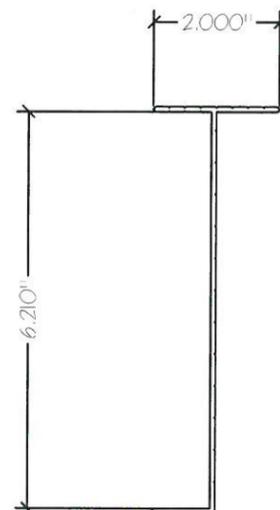
13 6" HANGER BASE



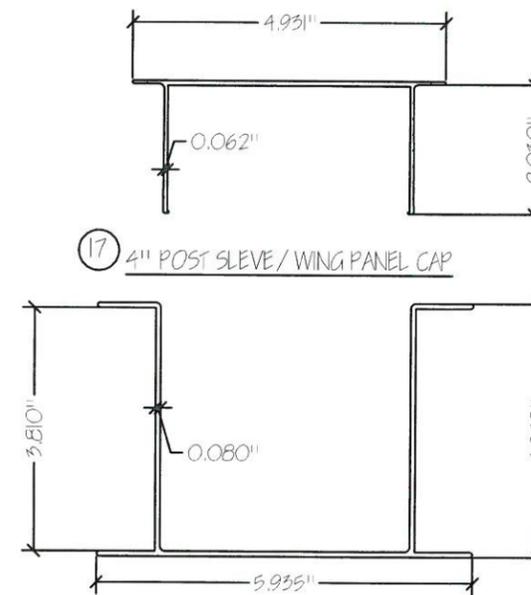
14 6" I-BEAM



15 6" F-CHANNEL

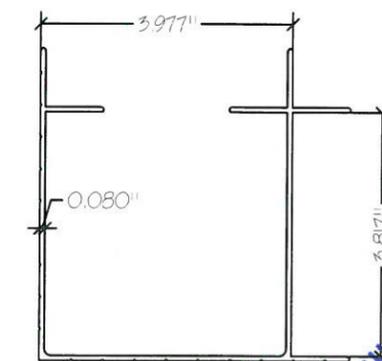


16 6" SILL



17 4" POST SLEEVE / WING PANEL CAP

18 4" POST SLEEVE



20 CORNER POST

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

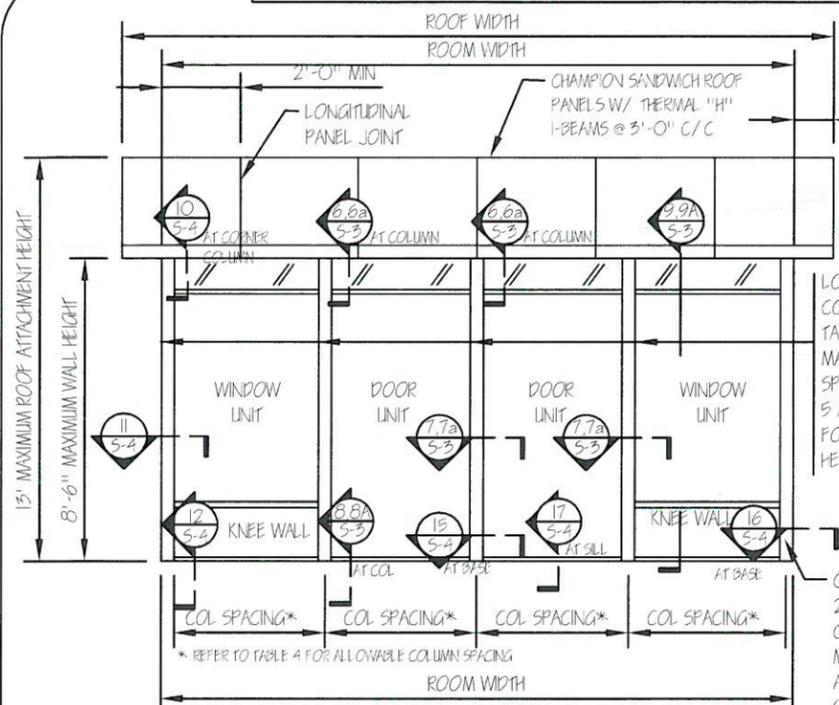
**SECTION DETAILS**  
 CHAMPION WINDOWS AND PATIO ROOMS  
 4" Wall System with Studio Style Roof

DATE: 2/13/19  
 SCALE: NTS  
 Drawn by: MJG  
 REV:      DATE:  
 SHEET: 1 OF 5

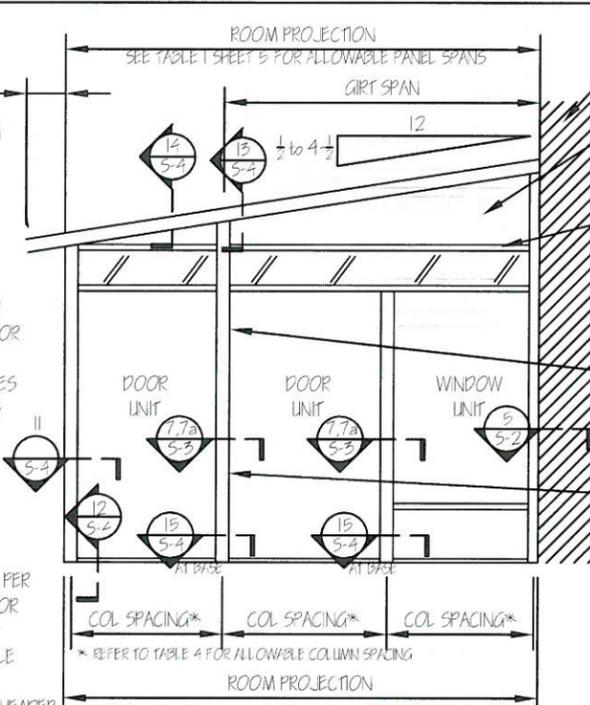
**WISCONSIN**  
 MARTIN J. GOSS  
 E-34522  
 WEST CHESTER, OHIO  
**PROFESSIONAL ENGINEER**

2/17/2020

NOTE: ALTERNATE COMBINATION OF DOORS, WINDOWS, TRANSOMS AND KNEE WALLS ARE PERMITTED PROVIDED THE SPECIFIED HEIGHT AND SPACING LIMITATIONS ARE ADHERED TO.



PATIO ENCLOSURE FRONT ELEVATION

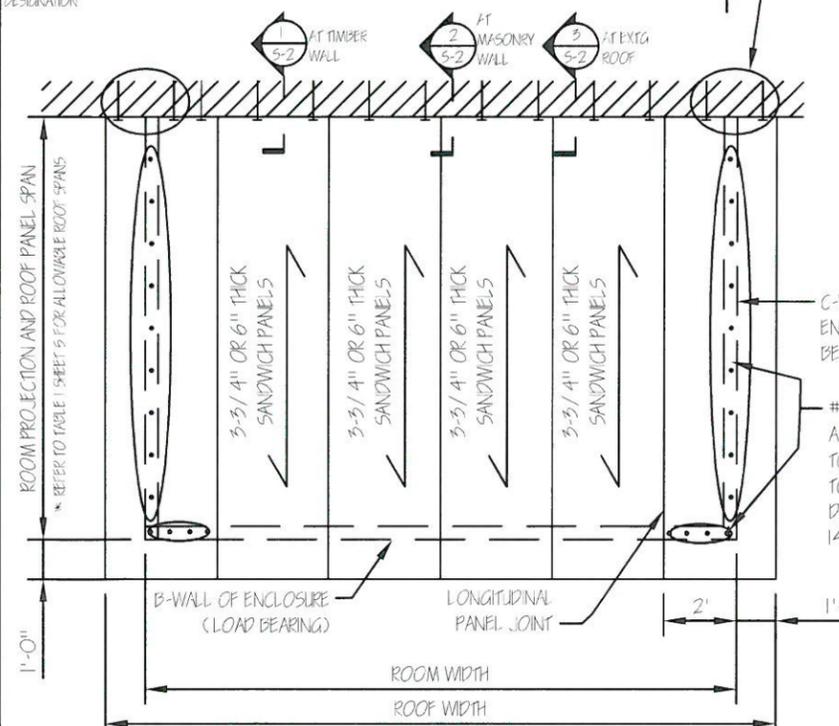


PATIO ENCLOSURE SIDE ELEVATION

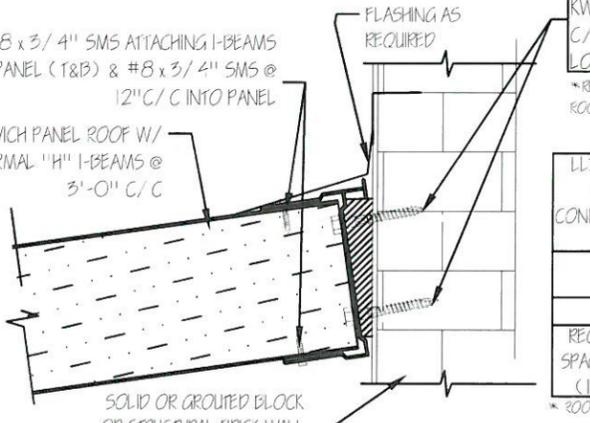
WIND ZONE*	MAX ROOM PROJECTION (FD)
1	1.1 X ROOM WIDTH
2	1.0 X ROOM WIDTH
3	0.9 X ROOM WIDTH
4	0.8 X ROOM WIDTH

\* REFER TO TABLE A SHEET 5 FOR WIND ZONE DESIGNATION.

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



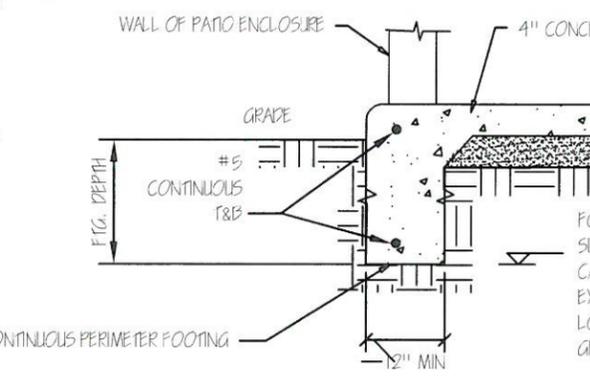
PATIO ROOM ROOF PLAN



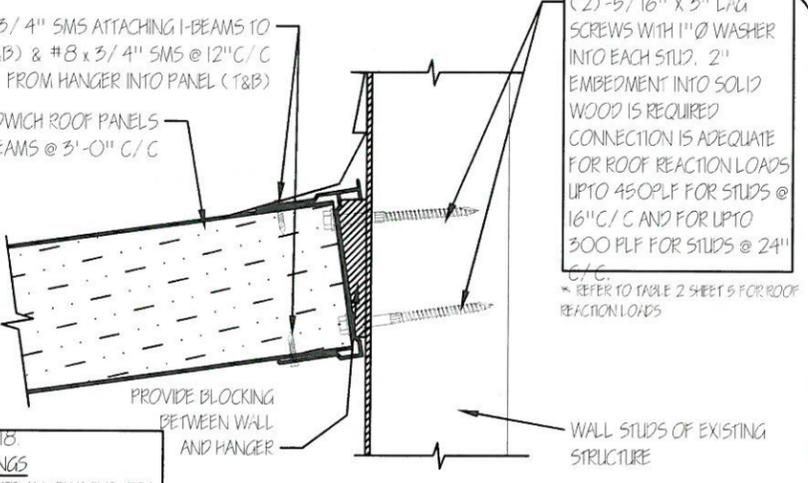
ROOF TO MASONRY WALL CONNECTION DETAIL

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

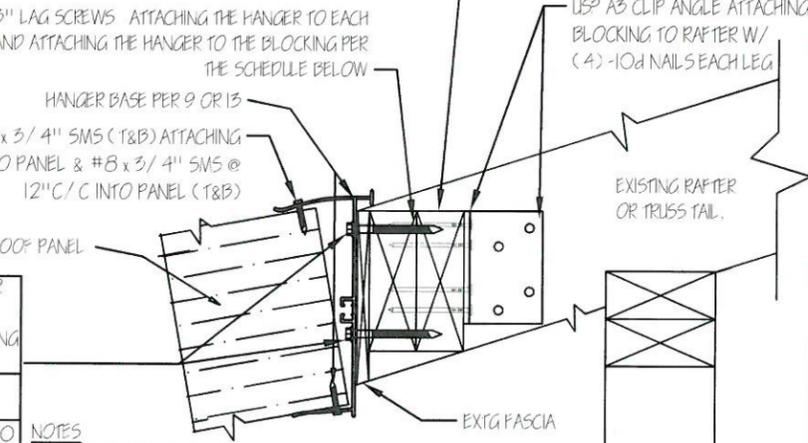
\* ROOF REACTION FROM TABLE 2 SHEET 5



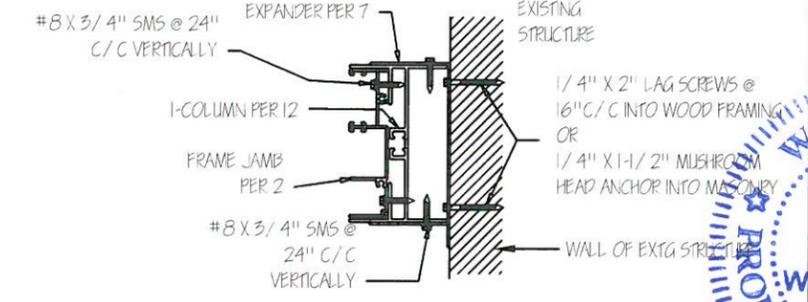
TURNED DOWN FOOTING DETAIL



ROOF CONNECTION TO TIMBER FRAMED WALL



PATIO ROOM ROOF TO EXTG ROOF DETAIL



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**

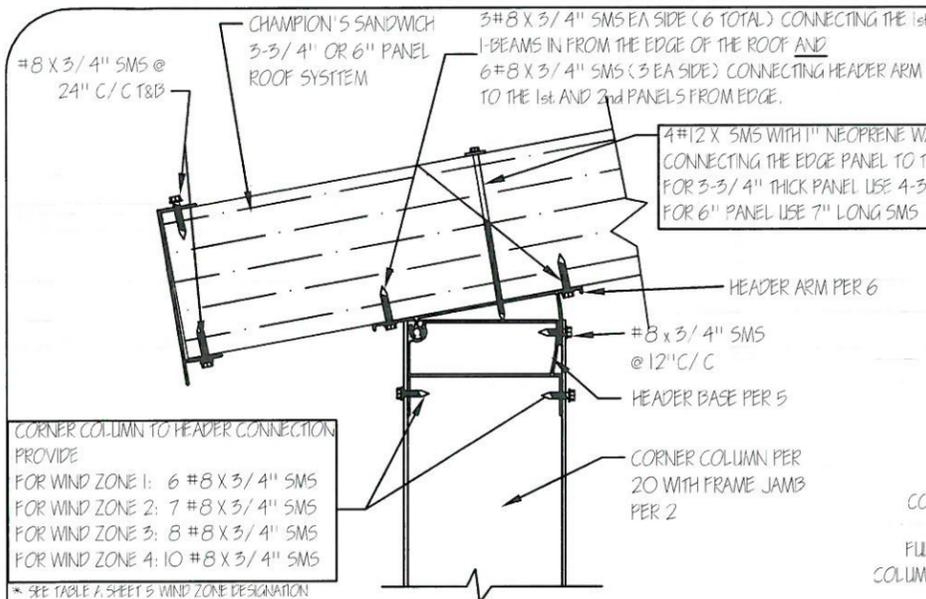
DATE: 2/13/19  
 SCALE: NTS  
 Drawn by: MJG  
 REV:      DATE:

SHEET 2 OF 5

**MARTIN J. GOSS**  
 E-34522  
 WEST CHESTER, OHIO  
**PROFESSIONAL ENGINEER**

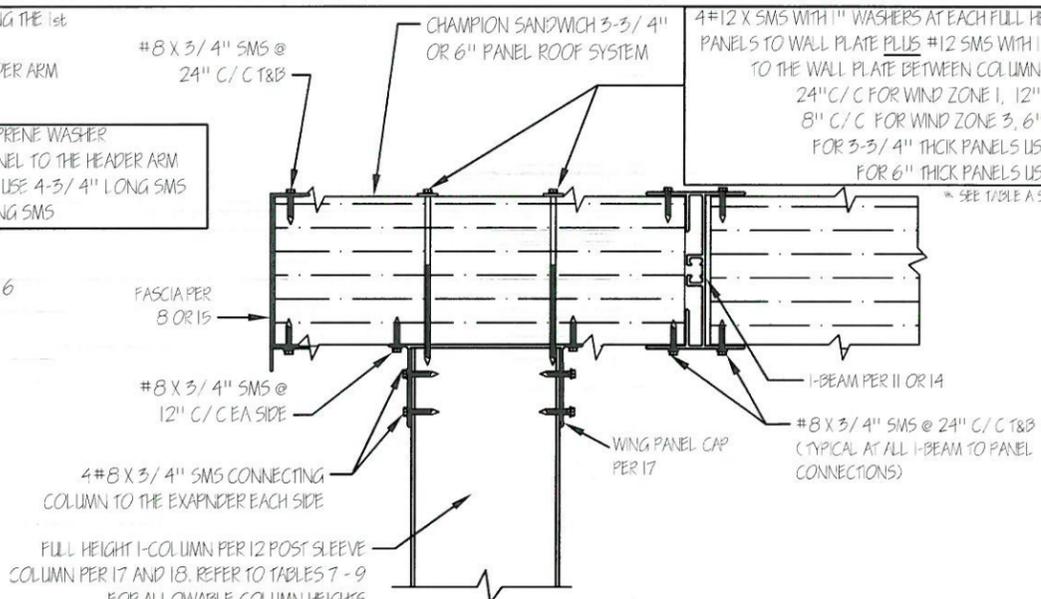
2/17/2020





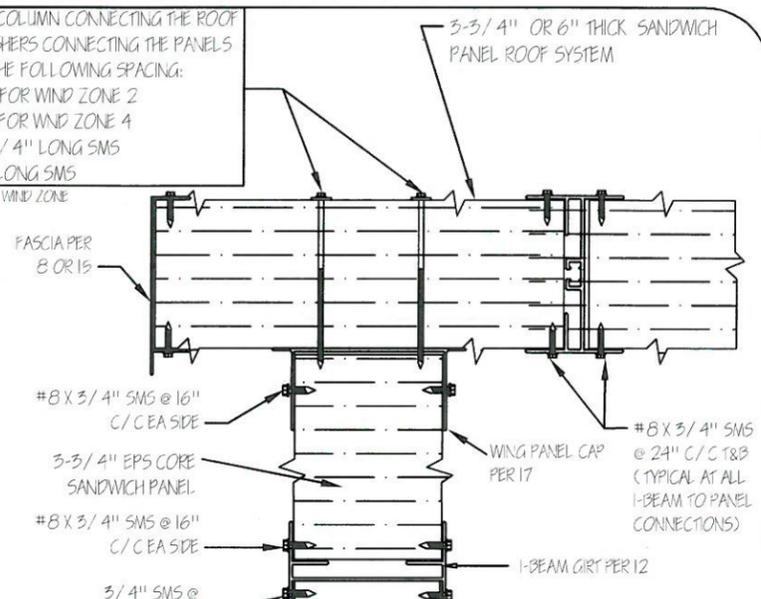
CORNER COLUMN TO HEADER CONNECTION PROVIDE  
 FOR WIND ZONE 1: 6 #8 X 3/4\"/>

10  
5-4  
CORNER COLUMN TO ROOF CONNECTION

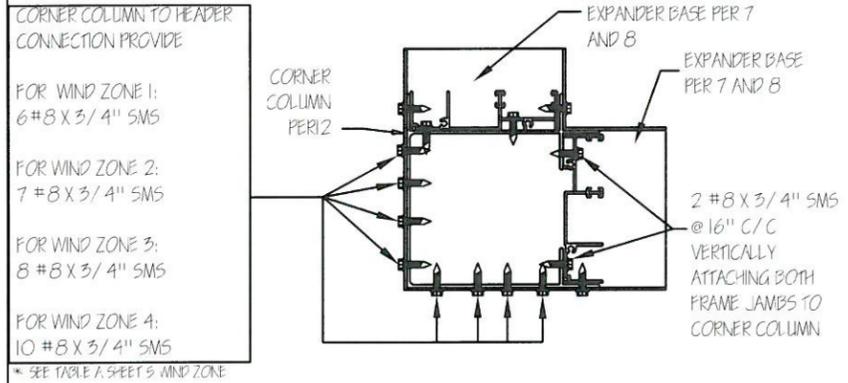


FULL HEIGHT I-COLUMN PER 12 POST SLEEVE COLUMN PER 17 AND 18. REFER TO TABLES 7 - 9 FOR ALLOWABLE COLUMN HEIGHTS

13  
5-4  
NON AXIAL BEARING COLUMN TO ROOF CONNECTION

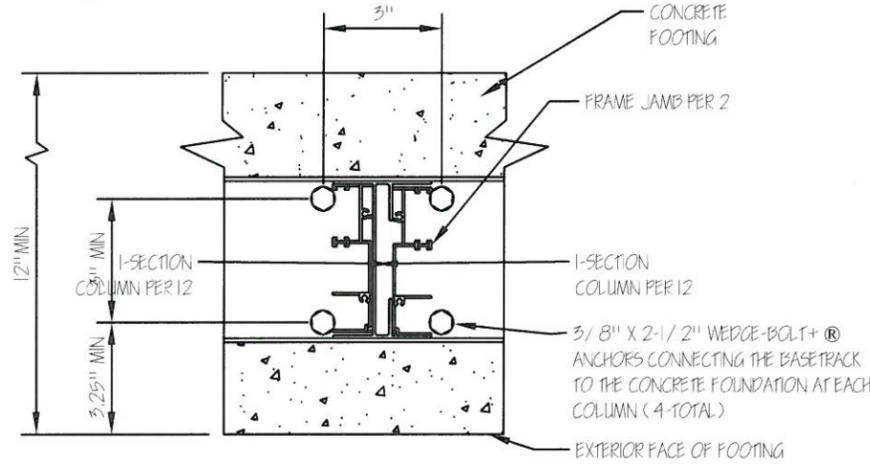


14  
5-4  
ROOF TO NON BEARING WALL CONNECTION

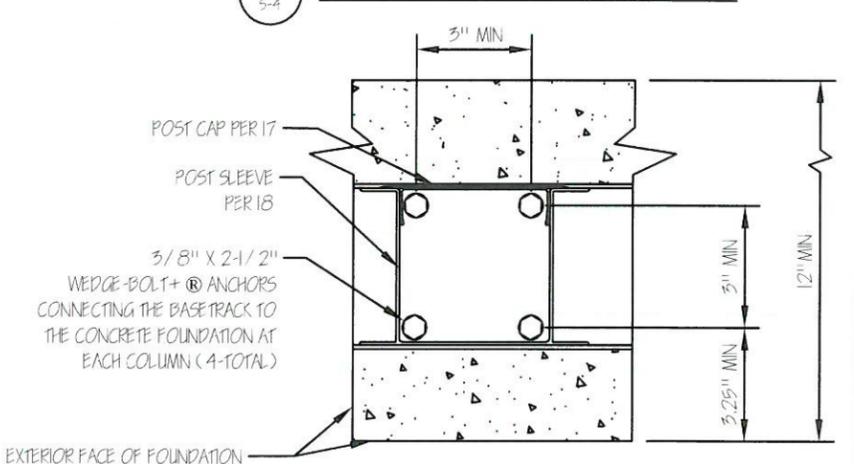


CORNER COLUMN TO HEADER CONNECTION PROVIDE  
 FOR WIND ZONE 1: 6 #8 X 3/4\"/>

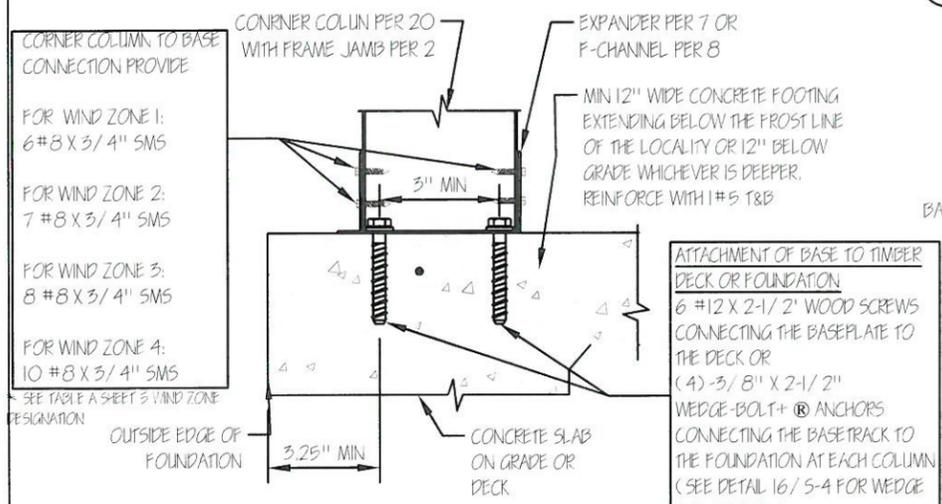
11  
5-4  
CORNER COLUMN TO BASE CONNECTION



15  
5-4  
CONNECTION OF CENTER COLUMN PER 12 & 2 TO BASE / FOUNDATION



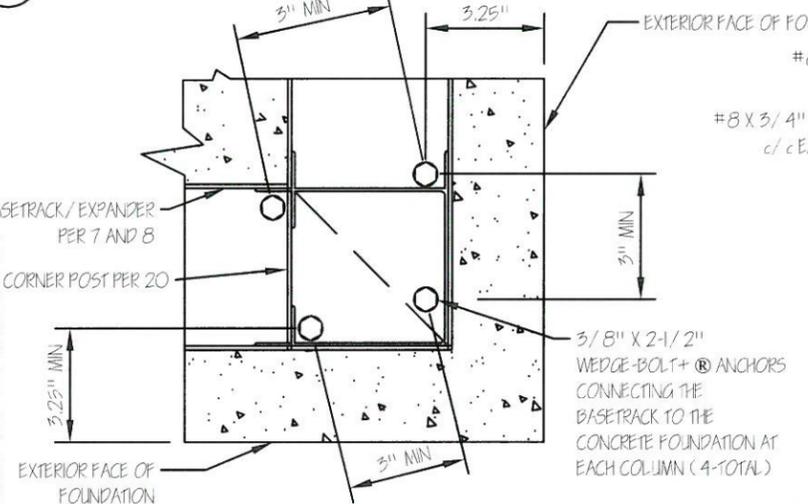
15A  
5-4  
CONNECTION OF CENTER COLUMN PER 17 & 18 TO FOUNDATION



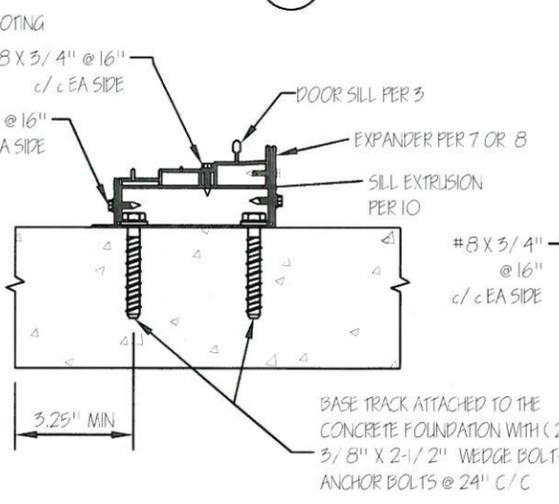
CORNER COLUMN TO BASE CONNECTION PROVIDE  
 FOR WIND ZONE 1: 6 #8 X 3/4\"/>

ATTACHMENT OF BASE TO TIMBER DECK OR FOUNDATION  
 6 #12 X 2-1/2\"/>

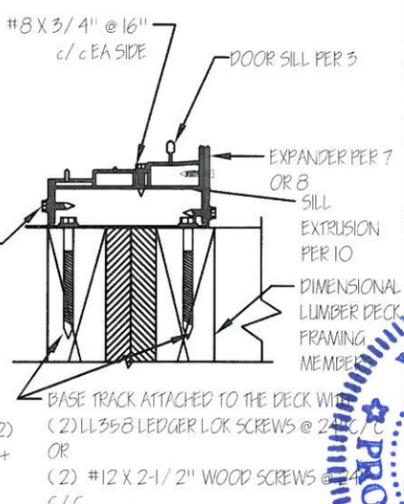
12  
5-4  
CORNER COLUMN TO FOUNDATION CONNECTION



16  
5-4  
CORNER POST TO FOUNDATION CONNECTION



17  
5-4  
DOOR THRESHOLD TO FOUNDATION



17A  
5-4  
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\"/>
**SECTION DETAILS**

DATE: 2/13/19  
 SCALE: NTS  
 Drawn by: MJG  
 REV:      DATE:  
 SHEET: 4 OF 5

**WISCONSIN**  
**MARTIN J. GOSS**  
 E-34522  
 WEST CHESTER, OHIO  
**PROFESSIONAL ENGINEER**

2/17/2020

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 ABRUPT 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
6	92	112	132	140	172	192	212	232	252	292	-98	-121	-145	-173
8	115	140	165	190	215	240	265	290	315	365	-109	-136	-163	-193
10	138	168	198	228	258	288	318	348	378	438	-120	-148	-179	-214
12	161	196	231	266	301	336	371	406	441	511	-132	-163	-197	-234
14	184	224	264	304	344	384	424	464	504		-143	-176	-213	-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 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.
- NEGATIVE VALUES INDICATE UPLIFT LOADS

\* SEE TABLE A SHEET 9 FOR DESIGNATION OF WIND ZONE

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 9 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' 8"	9' 0"	8' 7"	8' 2"
78"	9' 3"	8' 8"	8' 2"	---
84"	9' 0"	8' 5"	---	---
96"	8' 8"	---	---	---

\* SEE TABLE A SHEET 9 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 9 FOR DESIGNATION OF WIND ZONE

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 9 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
3-3/4"	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'-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"	60"	56"	48"	N/A	N/A	N/A	N/A
HEADER WITH I-3EAM	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 9 FOR DESIGNATION OF WIND ZONE

WIND ZONE	1	2	3	4
MAX GIRT SPAN (FT)	13' 6"	12' 3"	11' 2"	10' 3"

\* SEE TABLE A SHEET 9 FOR DESIGNATION OF WIND ZONE

COLUMN SPACING (INCHES)	WIND ZONE *			
	1	2	3	4
60"	15' 0"	13' 0"	12' 0"	11' 2"
68"	13' 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 9 FOR DESIGNATION OF WIND ZONE

GENERAL NOTES AND SPECIFICATIONS

- THE STRUCTURAL DESIGN FOR CHAMPION PATIO ROOMS HAS BEEN PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF 2009, 2012, 2015 AND 2018 EDITIONS OF THE IRC CODES, 2019 RESIDENTIAL CODE OF OHIO, 2015 NEW YORK STATE RESIDENTIAL CODE, 2018 SOUTH CAROLINA RESIDENTIAL CODE, 2018 NORTH CAROLINA BUILDING CODE, 2018 KENTUCKY RESIDENTIAL CODE, 9th ED OF THE MASSACHUSETTS RESIDENTIAL CODE, 2019 RHODE ISLAND SRC-2 ONE AND TWO FAMILY DWELLING CODE, DENVER 2015 IRC, 2016 DENVER BUILDING CODE AND UTILIZING THE FOLLOWING REFERENCED STANDARDS, 2005 AND 2010 EDITIONS OF ASCE 7, 2005 AND 2010 ALUMINUM DESIGN MANUAL, 2005, 2012 AND 2018 NDS FOR WOOD AND AAMA/NPEA/NSA 2100 FOR SUNROOMS.
- THESE PLANS COVER THE DESIGN OF THE PATIO ROOM AND ITS 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.
- 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.
- BASIC WIND SPEEDS ARE 3-SECOND GUST AT 33 FT ABOVE THE GROUND IN EXPOSURE C.
- 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.
- THE PATIO ROOM PROJECTION SHALL BE A MAXIMUM OF 1.1 TIMES THE PATIO ROOM WIDTH.
- CHAMPION PATIO ENCLOSURES CAN BE CONSTRUCTED ON TIMBER FRAMED DECKS PROVIDED THE DECK AND ITS FOOTINGS HAVE BEEN ENGINEERED TO SAFELY CARRY THE ENCLOSURE'S AND THE DECK'S DESIGN LOADS.
- 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.
- THIS ENCLOSURE MEETS THE REQUIREMENTS OF A CATEGORY II SUNROOM AS DEFINED IN AAMA/NPEA/NSA 2100.

MATERIALS

- SOILS
- 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
- ALL CONCRETE SHALL CONFORM TO ALL REQUIREMENTS OF ACI 318 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
  - 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%.
  - ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 60 KSI DEFORMED BARS AND ASTM A185 MESH.

STRUCTURAL ALUMINUM

- ALL EXTRUSIONS SHALL BE AL 6063-T6 ALUMINUM PROVIDED BY ENCLOSURE SUPPLIERS LLC.
- ROOF PANELS SHALL BE 3-3/4" OR 6" THICK STANDARD OR OSB SANDWICH PANELS MANUFACTURED BY ENCLOSURE SUPPLIERS LLC.  
STANDARD ROOF PANEL SKINS CONSISTS OF 0.024" THICK ALUMINUM SHEETING (3105 H374).  
OSB ROOF PANELS SKINS CONSISTS OF A 0.024" ALUMINUM SHEETING AND 7/16" OSB COMBINED TOP SKINS AND A 0.024" ALUMINUM SHEETING 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

- SHEET METAL SCREWS (SMS) SHALL BE STAINLESS STEEL WITH TYPE AB SCREW THREADS.
- LAG SCREWS SHALL BE GALVANIZED STEEL "FULL BODIED" SCREWS WITH A MINIMUM BENDING YIELD STRENGTH OF 60,000 PSI FOR 5/8" DIAMETER AND 40,000 PSI FOR 3/4" AND LARGER DIAMETER. LAG SCREWS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 8 X LAG SCREW DIAMETER
- WOOD SCREWS SHALL HAVE A MINIMUM BENDING YIELD STRENGTH OF 80,000 PSI
- LL358 LEDGER LOK® SCREWS BY FASTENMASTER AND SHALL HAVE A MINIMUM BENDING STRENGTH OF 183,000 PSI AND SHALL HAVE A MINIMUM EMBEDMENT OF 2" INTO THE MAIN WOOD SUPPORTING MEMBER.
- ANCHOR BOLTS INTO CONCRETE SHALL BE 3/4" X 2-1/2" WEDGE-BOLT+ ANCHORS BY POWERS FASTENERS.
- PIN ANCHORS SHALL BE ZAMAC NAILIN ANCHORS MANUFACTURED BY POWERS FASTENERS, BREWSTER'S OR EQUIVALENT
- 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.

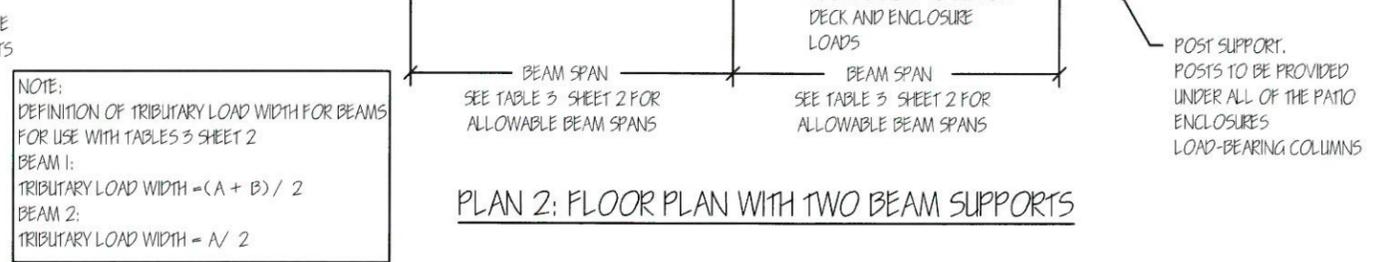
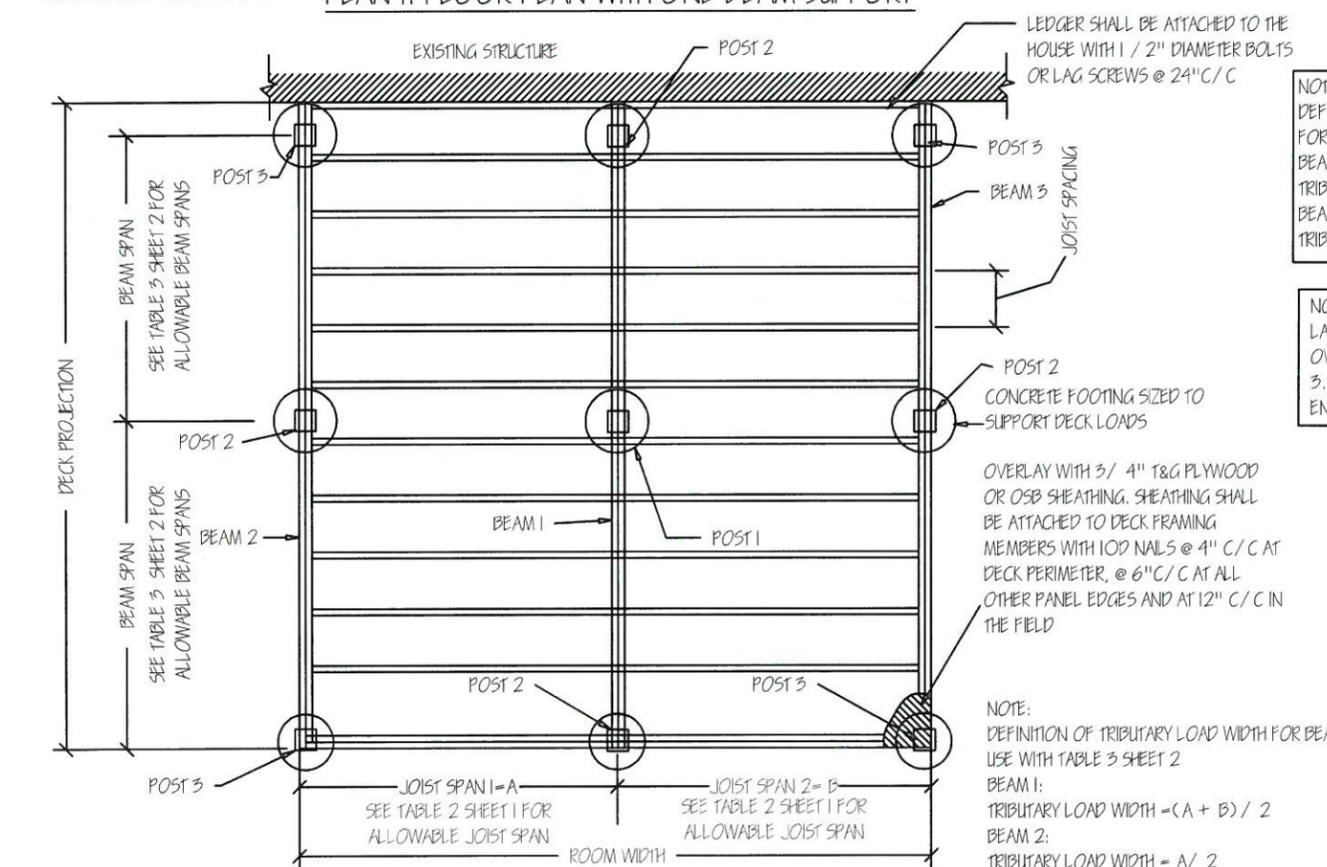
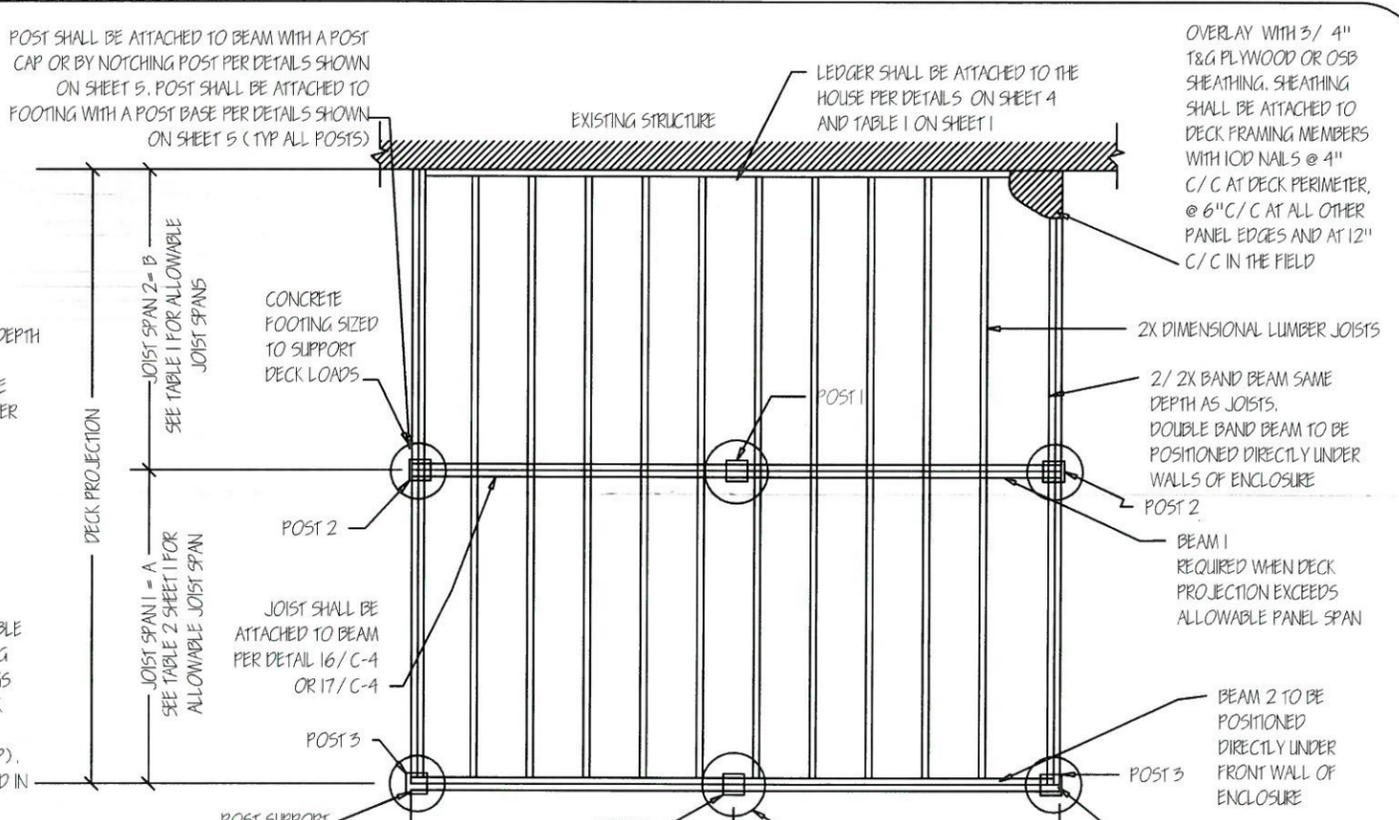
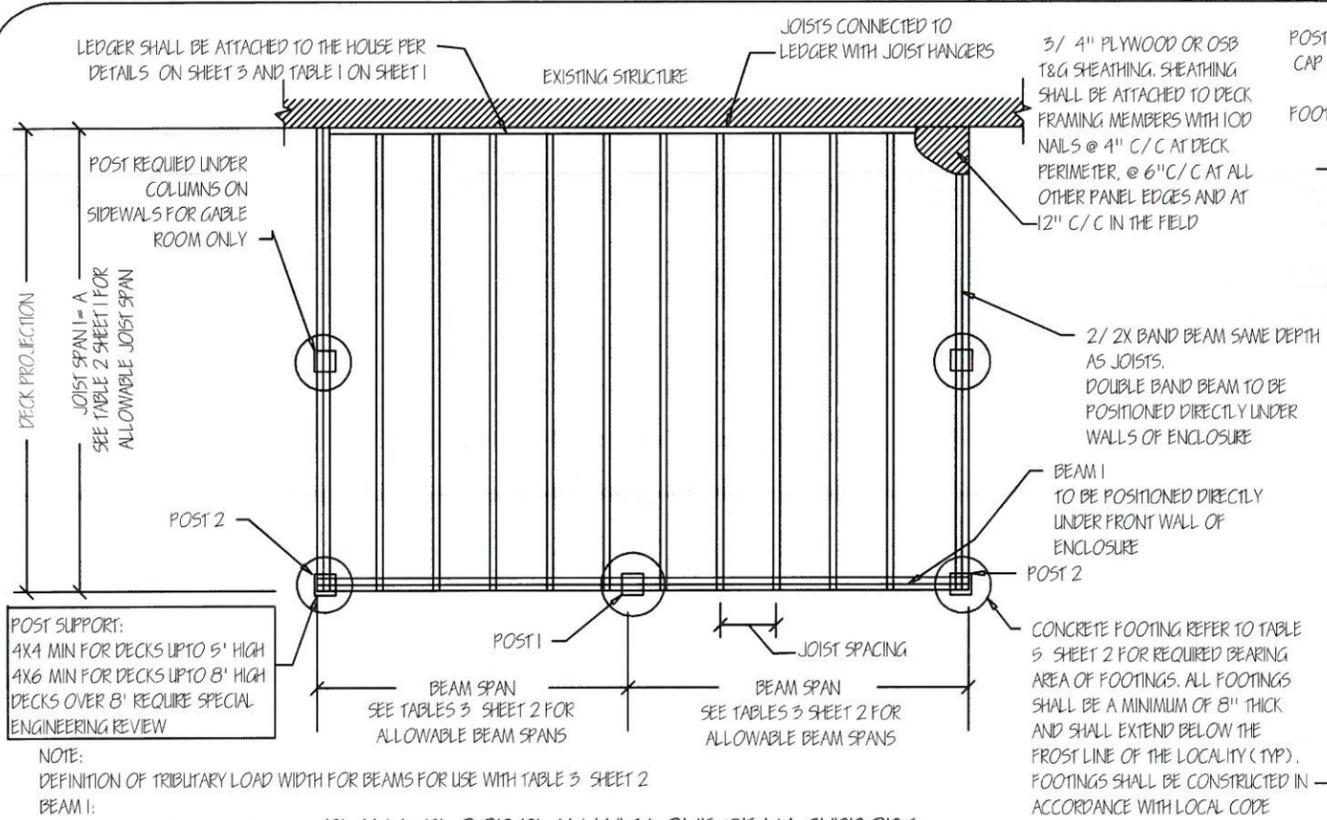
**CHAMPION ENCLOSURE SUPPLIERS**  
12111 CHAMPION WAY, CINCINNATI, OH 45241  
PH: (513) 782-3900 FAX: (513) 782-3900

CHAMPION WINDOWS AND PATIO ROOM  
4" Wall System with Studio Style Roof  
DESIGN TABLES AND NOTES

DATE: 2/13/19
SCALE: NTS
Drawn by: MJG
REV: DATE:
2019 RCO 7/19/19
2015 SC 8/8/19
DENVER CO 11/6/19

SHEET: 5 OF 5  
MARTIN J. GOSS  
E-34522  
WEST CHESTER OHIO  
PROFESSIONAL ENGINEER

2/17/2020



**POST SUPPORT:**  
 4X4 MIN FOR DECKS UP TO 5' HIGH  
 4X6 MIN FOR DECKS UP TO 8' HIGH  
 DECKS OVER 8' REQUIRE SPECIAL  
 ENGINEERING REVIEW

**NOTE:**  
 DEFINITION OF TRIBUTARY LOAD WIDTH FOR BEAMS FOR USE WITH TABLE 3 SHEET 2  
 BEAM 1:  
 TRIBUTARY LOAD WIDTH = A / 2

**PLAN 1: FLOOR PLAN WITH ONE BEAM SUPPORT**

**NOTE:**  
 DEFINITION OF TRIBUTARY LOAD WIDTH FOR BEAMS  
 FOR USE WITH TABLES 3 SHEET 2  
 BEAM 1:  
 TRIBUTARY LOAD WIDTH = (A + B) / 2  
 BEAM 2:  
 TRIBUTARY LOAD WIDTH = A / 2

**PLAN 2: FLOOR PLAN WITH TWO BEAM SUPPORTS**

**NOTE:**  
 LATERAL BRACING SHALL BE INSTALLED FOR DECKS  
 OVER 4' IN HEIGHT PER THE DETAILS SHOWN ON SHEET  
 3. DECKS OVER 8' IN HEIGHT REQUIRE SPECIAL  
 ENGINEERING

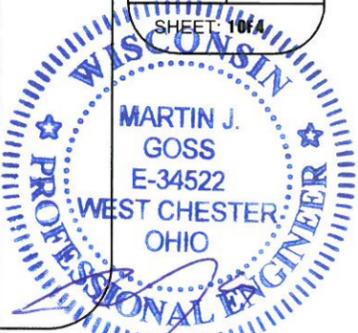
**TABLE 1: MINIMUM REQUIRED LAG SCREW OR BOLTED CONNECTION  
 BETWEEN 2X LEDGER AND EXISTING STRUCTURE**

PANEL SPAN (FT)	DECK LIVE LOAD	
	40 LBS/ FT	
7'	(2) - 5/8" @ 24" C/C	
8'	(2) - 5/8" @ 16" C/C	
9'	(2) - 5/8" @ 16" C/C	
10'	(2) - 5/8" @ 16" C/C	
12'	(2) - 5/8" @ 16" C/C	
14'	(2) - 5/8" @ 16" C/C	
16'	(2) - 5/8" @ 16" C/C	

TABULATED VALUES BASED ON LUMBER WITH A  
 SPECIFIC GRAVITY = 0.45  
 TABLE INCLUDES A DEAD LOAD = 10PSF

**TABLE 2: ALLOWABLE JOIST SPANS**

SPECIES	JOIST SIZE	40 PSF LIVE LOAD		
		1'-0"	1'-4"	2'-0"
SOUTHERN PINE NO.2	2X6	10'-3"	9'-4"	7'-6"
	2X8	13'-6"	11'-10"	9'-8"
	2X10	16'-2"	14'-0"	11'-4"
DOUG FIR NO.2	2X6	10'-5"	9'-0"	7'-4"
	2X8	13'-2"	11'-5"	9'-4"
	2X10	16'-1"	13'-11"	11'-4"
HEM FIR No.2 SPF No.2	2X6	9'-2"	8'-4"	7'-2"
	2X8	12'-3"	11'-1"	9'-1"
	2X10	15'-6"	13'-6"	11'-1"
REDWOOD No.2 WESTERN CEDAR NO.2	2X6	9'-2"	8'-4"	7'-3"
	2X8	12'-1"	11'-0"	9'-2"
	2X10	13'-9"	13'-9"	11'-3"
	2X12	14'-4"	16'-0"	13'-0"



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**CHAMPION WINDOWS AND PATIO ROOM  
 PLANS AND DETAILS FOR A  
 LUMBER DECK SUPPORTING A  
 CHAMPION PATIO ROOM**

DATE: **JULY 3, 2019**  
 SCALE: **NTS**  
 Drawn by: **MJG**  
 REV:      DATE:

2/17/2020

TABLE 3: MAXIMUM ALLOWABLE BEAM SPANS

SPECIES	BEAM SIZE	40 PSF LIVE LOAD									
		TRIBUTARY LOAD WIDTH (FT)									
		4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	
SOUTHERN PINE NO.2	2/ 2X6	7'-1"	6'-4"	5'-9"	5'-4"	5'-0"	4'-8"	----	----	----	
	2/ 2X8	9'-0"	8'-0"	7'-4"	6'-9"	6'-4"	6'-0"	5'-8"	5'-4"	5'-2"	
	2/ 2X10	10'-8"	9'-6"	8'-9"	8'-0"	7'-6"	7'-1"	6'-9"	6'-4"	6'-2"	
	2/ 2X12	12'-6"	11'-3"	10'-3"	9'-6"	8'-10"	8'-4"	7'-11"	7'-6"	7'-3"	
	4X6	7'-8"	6'-10"	6'-3"	5'-9"	5'-4"	5'-1"	4'-10"	4'-6"	4'-4"	
	4X8	10'-2"	9'-1"	8'-4"	7'-8"	7'-2"	6'-9"	6'-4"	6'-1"	5'-10"	
	4X10	12'-1"	10'-10"	9'-0"	9'-1"	8'-6"	8'-0"	7'-8"	7'-3"	7'-0"	
4X12	14'-3"	12'-9"	11'-6"	10'-8"	10'-0"	9'-6"	9'-0"	8'-6"	8'-2"		

TABLE 3: MAXIMUM ALLOWABLE BEAM SPANS

SPECIES	BEAM SIZE	40 PSF LIVE LOAD									
		TRIBUTARY LOAD WIDTH (FT)									
		4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	
REDWOOD NO.2/ WESTERN CEDAR NO.2	2/ 2X6	6'-9"	6'-0"	5'-6"	5'-1"	4'-9"	4'-6"	----	----	----	
	2/ 2X8	8'-6"	7'-8"	7'-0"	6'-4"	6'-0"	5'-9"	5'-4"	5'-2"	4'-11"	
	2/ 2X10	10'-4"	9'-4"	8'-6"	7'-11"	7'-4"	7'-0"	6'-8"	6'-3"	6'-0"	
	2/ 2X12	12'-2"	10'-9"	9'-11"	9'-2"	8'-7"	8'-1"	7'-8"	7'-4"	7'-0"	
	4X6	7'-4"	6'-6"	5'-11"	5'-6"	5'-2"	4'-10"	4'-6"	4'-5"	----	
	4X8	9'-6"	8'-6"	7'-10"	7'-3"	6'-10"	6'-4"	6'-1"	5'-10"	5'-6"	
	4X10	11'-10"	10'-6"	9'-8"	9'-11"	8'-4"	7'-10"	7'-5"	7'-1"	6'-10"	
4X12	13'-9"	12'-4"	11'-3"	10'-4"	9'-9"	9'-2"	8'-8"	8'-3"	7'-11"		

TABLE 3: MAXIMUM ALLOWABLE BEAM SPANS

SPECIES	BEAM SIZE	40 PSF LIVE LOAD									
		TRIBUTARY LOAD WIDTH (FT)									
		4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	
DOUG FIR NO.2/ SPF NO.2/ HEM FIR NO.2	2/ 2X6	6'-4"	5'-7"	5'-2"	4'-9"	----	----	----	----	----	
	2/ 2X8	8'-5"	7'-7"	6'-11"	6'-4"	6'-0"	5'-7"	5'-4"	5'-1"	4'-10"	
	2/ 2X10	10'-4"	9'-3"	8'-4"	7'-10"	7'-3"	6'-10"	6'-6"	6'-3"	5'-11"	
	2/ 2X12	12'-0"	10'-8"	9'-9"	9'-1"	8'-5"	8'-0"	7'-7"	7'-3"	6'-11"	
	4X6	6'-10"	6'-1"	5'-7"	5'-2"	4'-10"	4'-6"	----	----	----	
	4X8	9'-0"	8'-1"	7'-4"	6'-10"	6'-4"	6'-0"	5'-8"	5'-5"	5'-2"	
	4X10	11'-7"	10'-5"	9'-6"	8'-2"	8'-3"	7'-9"	7'-4"	7'-0"	6'-8"	
4X12	13'-7"	12'-1"	11'-1"	10'-3"	9'-7"	9'-0"	8'-7"	8'-0"	7'-10"		

TABLE 4: AXIAL LOADS ON POSTS FOR 40PSF LIVE LOAD + 10PSF DEAD LOAD, FROM DECK ONLY

DECK PROJECTION (FT)	AXIAL LOADS ON POST 1 (LBS)												
	DECK WIDTH (FT)												
	10	11	12	13	14	15	16	17	18	19	20	21	22
10	1250	1375	1500	1625	1750	1875	2000	2125	2250	2375	2500	2625	2750
11	1375	1513	1650	1788	1925	2063	2200	2338	2475	2613	2750	2888	3025
12	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000	3150	3300
13	1625	1788	1950	2113	2275	2438	2600	2763	2925	3088	3250	3413	3575
14	1750	1925	2100	2275	2450	2625	2800	2975	3150	3325	3500	3675	3850
15	1875	2063	2250	2438	2625	2813	3000	3188	3375	3563	3750	3938	4125
16	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400
17	2125	2338	2550	2763	2975	3188	3400	3613	3825	4038	4250	4463	4675
18	2250	2475	2700	2925	3150	3375	3600	3825	4050	4275	4500	4725	4950

NOTE:  
 TABLE 4 SHOWS AXIAL LOADS FOR POST 1 AS DETAILED IN PLAN 1, PLAN 2 AND PLAN 3 SHEET 1  
 FOR ALL PLAN 1 CONFIGURATIONS AND PLAN 2 AND PLAN 3 CONFIGURATIONS WHERE PANEL SPAN A AND B ARE EQUAL  
 AXIAL LOADS ON POST 2 = TABULATED VALUES DIVIDED BY TWO  
 AXIAL LOADS ON POST 3 = TABULATED VALUES DIVIDED BY FOUR  
 TABLE DOES NOT INCLUDE ENCLOSURE COLUMN LOADS. THESE CAN BE OBTAINED FROM TABLE 4 FOR LOAD BEARING COLUMNS AND FROM THE ENGINEERING PACKAGE FOR THE ROOM FOR RIDGE POST LOADS.

TABLE 5: PATIO ROOM COLUMN AXIAL LOADS (LBS)

PATIO ROOM ROOF SPAN (FT)	CHAMPION PATIO ROOM LOAD BEARING COLUMN SPACING (FT)								
	ROOF LOAD: 20PSF			ROOF LOAD: 30PSF			ROOF LOAD: 40 PSF		
	4'	6'	8'	4'	6'	8'	4'	6'	8'
8	460	690	920	660	990	1320	860	1290	1720
10	552	828	1104	792	1188	1584	1032	1548	2064
12	644	966	1288	924	1386	1848	1204	1806	2408
14	736	1104	1472	1056	1584	2112	1376	2064	2752
16	828	1242	1656	1188	1782	2376	1548	2322	3096
18	920	1380	1840	1320	1980	2640	1720	2580	3440
20	1012	1518	2024	1452	2178	2904	1892	2838	3784

NOTE:  
 1. THE AXIAL LOADS PRESENTED IN THIS TABLE ARE FOR THE LOAD BEARING COLUMNS IN A CHAMPION PATIO ROOM USING CHAMPION'S STANDARD SANDWICH PANEL ROOF ONLY.  
 2. FOR PATIO ROOMS UTILIZING CHAMPION'S OSB ROOF PANELS, THE INPUT ROOF LOAD VALUE SHALL BE THE DESIGN ROOF SNOW LOAD PLUS 5PSF.  
 3. THIS TABLE DOES NOT APPLY TO THE PATIO ROOM RIDGE POST. THE RIDGE POST LOADS SHALL BE DETERMINED FROM THE CHAMPION PATIO ENCLOSURE ENGINEERING PACKAGE.  
 4. LINEAR INTERPOLATION IS PERMITTED.

TABLE 6: REQUIRED FOOTING SIZE

ALLOWABLE SOIL BEARING CAPACITY	AXIAL LOADS ON POST (LBS)								
	500	1000	1500	2000	2500	3000	3500	4000	5000
1000	12"Ø	14"Ø	17"Ø	20"Ø	22"Ø	24"Ø	26"Ø	28"Ø	31"Ø
1500	12"Ø	12"Ø	14"Ø	16"Ø	18"Ø	20"Ø	21"Ø	23"Ø	25"Ø
2000	12"Ø	12"Ø	12"Ø	14"Ø	16"Ø	17"Ø	18"Ø	20"Ø	22"Ø
2500	12"Ø	12"Ø	12"Ø	13"Ø	14"Ø	15"Ø	17"Ø	18"Ø	20"Ø
3000	12"Ø	12"Ø	12"Ø	12"Ø	13"Ø	14"Ø	15"Ø	16"Ø	20"Ø
3500	12"Ø	12"Ø	12"Ø	12"Ø	13"Ø	13"Ø	14"Ø	15"Ø	18"Ø
4000	12"Ø	12"Ø	12"Ø	12"Ø	12"Ø	12"Ø	12"Ø	14"Ø	17"Ø

NOTE:  
 1. AXIAL LOADS SHALL BE THE COMBINATION OF DECK LOADS FROM TABLE 4 PLUS THE PATIO ENCLOSURE LOADS DETERMINED FROM TABLE 5 FOR LOAD BEARING COLUMNS.  
 2. RIDGE POST LOADS MUST BE DETERMINED FROM THE ENCLOSURE ENGINEERING PACKAGE.  
 3. FOOTINGS THAT ARE FOUNDED LESS THAN 18" BELOW GRADE SHALL BE A MINIMUM OF 18" X 18" X 12" THICK.

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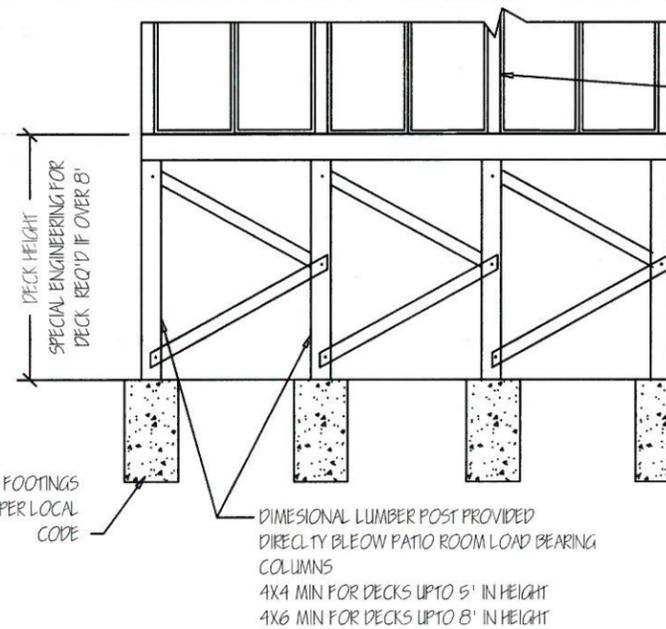
CHAMPION WINDOWS AND PATIO ROOM  
 PLANS AND DETAILS FOR A  
 LUMBER DECK SUPPORTING A  
 CHAMPION PATIO ROOM

DATE: OCT 15, 2019  
 SCALE: NTS  
 Drawn by: MIG  
 REV: DATE:

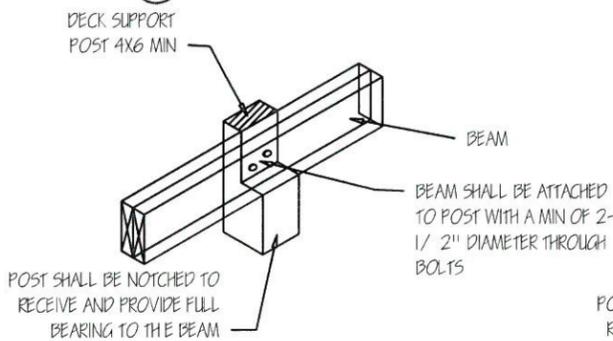


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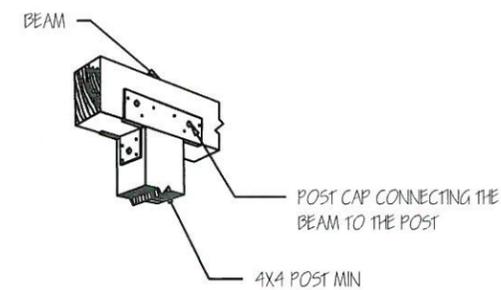
NOTE: LATERAL BRACING SHALL BE INSTALLED FOR DECKS OVER 4' IN HEIGHT PER THE DETAILS SHOWN ON SHEET 3. DECKS OVER 8' IN HEIGHT REQUIRE SPECIAL ENGINEERING.



1 K-BRACING ELEVATION

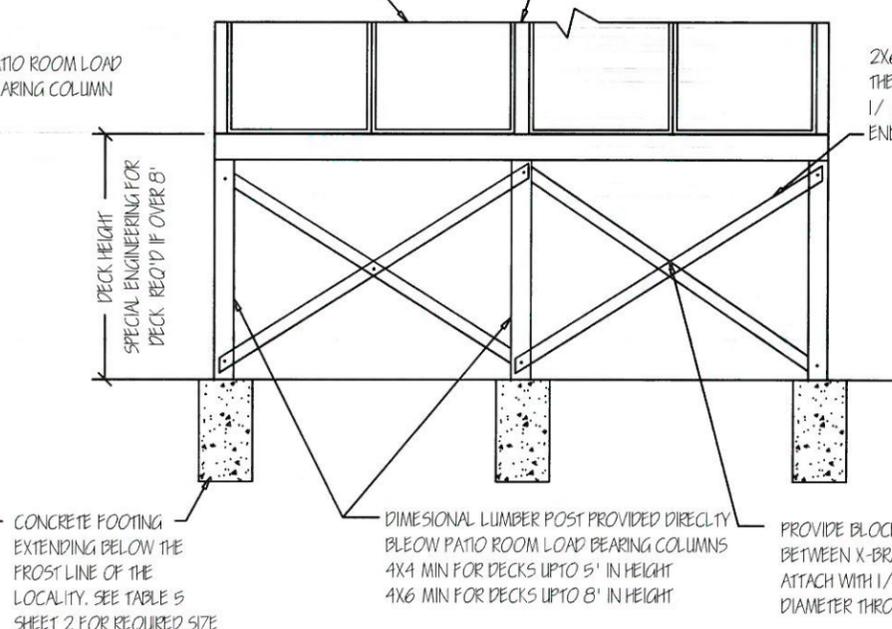


4 POST TO BEAM CONNECTION DETAIL 1

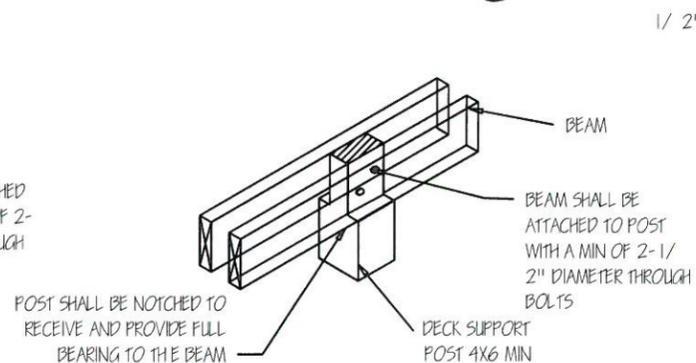


8 POST TO BEAM CONNECTION DETAIL 3

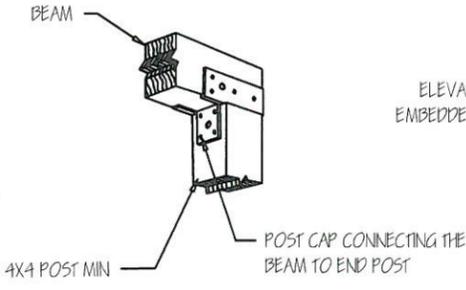
CHAMPION PATIO ENCLOSURE



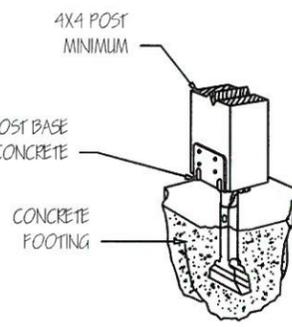
2 X-BRACING ELEVATION



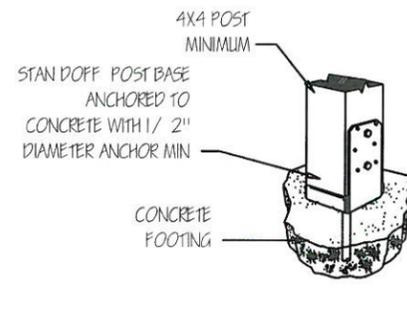
5 POST TO BEAM CONNECTION DETAIL 2



9 END POST TO BEAM CONNECTION DETAIL

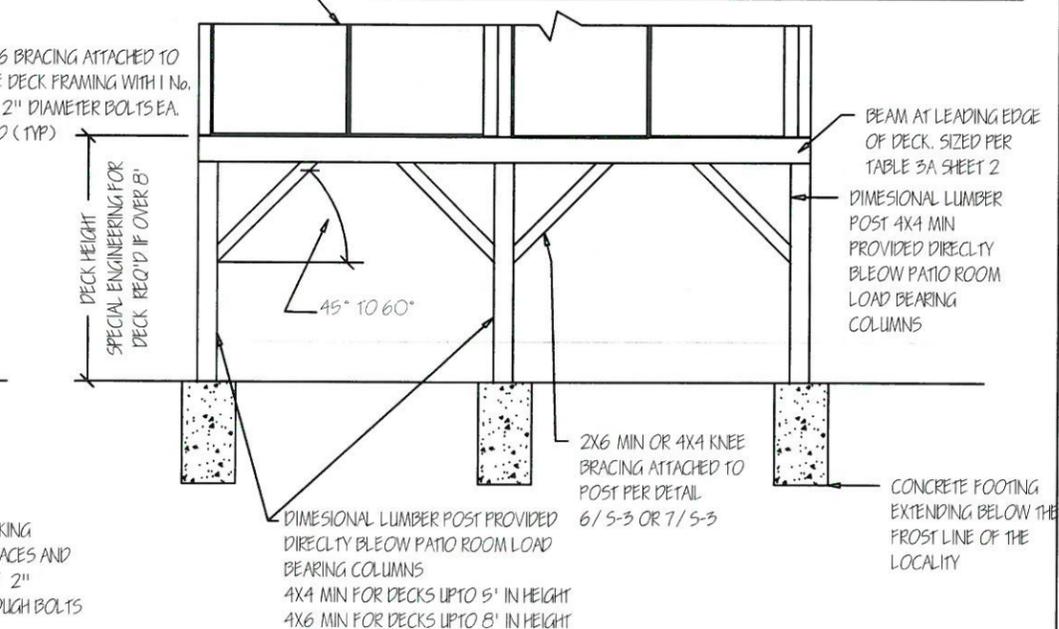


10 POST TO FOOTING CONNECTION DETAIL 1

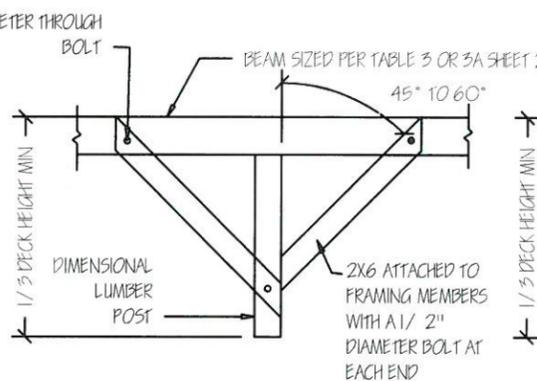


11 POST TO FOOTING CONNECTION DETAIL 2

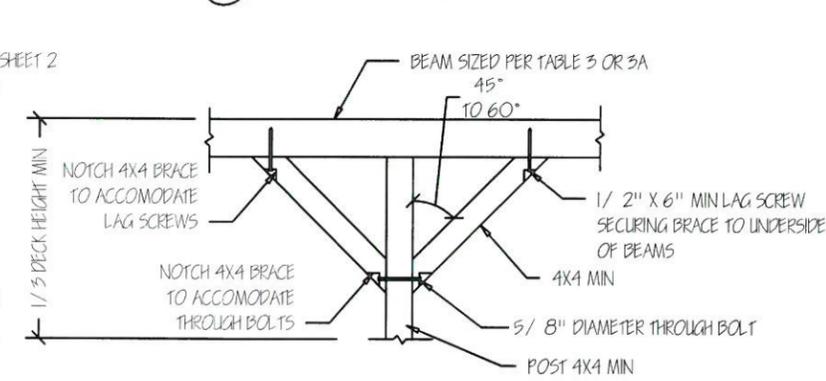
NOTE: LATERAL BRACING SHALL BE INSTALLED FOR DECKS OVER 4' IN HEIGHT PER THE DETAILS SHOWN ON SHEET 3. DECKS OVER 8' IN HEIGHT REQUIRE SPECIAL ENGINEERING.



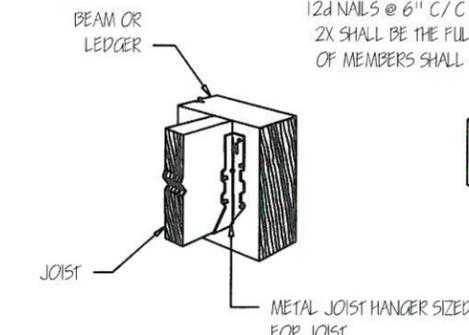
3 KNEE BRACING DETAIL



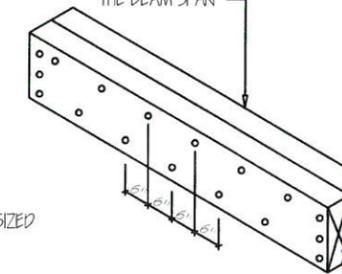
6 KNEE BRACING DETAIL OPTION 1



7 KNEE BRACING DETAIL OPTION 2



12 JOIST TO HEADER/LEDGER CONNECTION DETAIL



13 NAILING PATTERN FOR NAILED LAMINATED BEAMS

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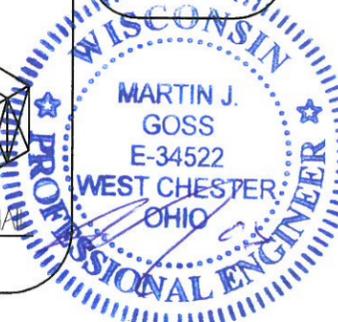
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SCALE: NTS

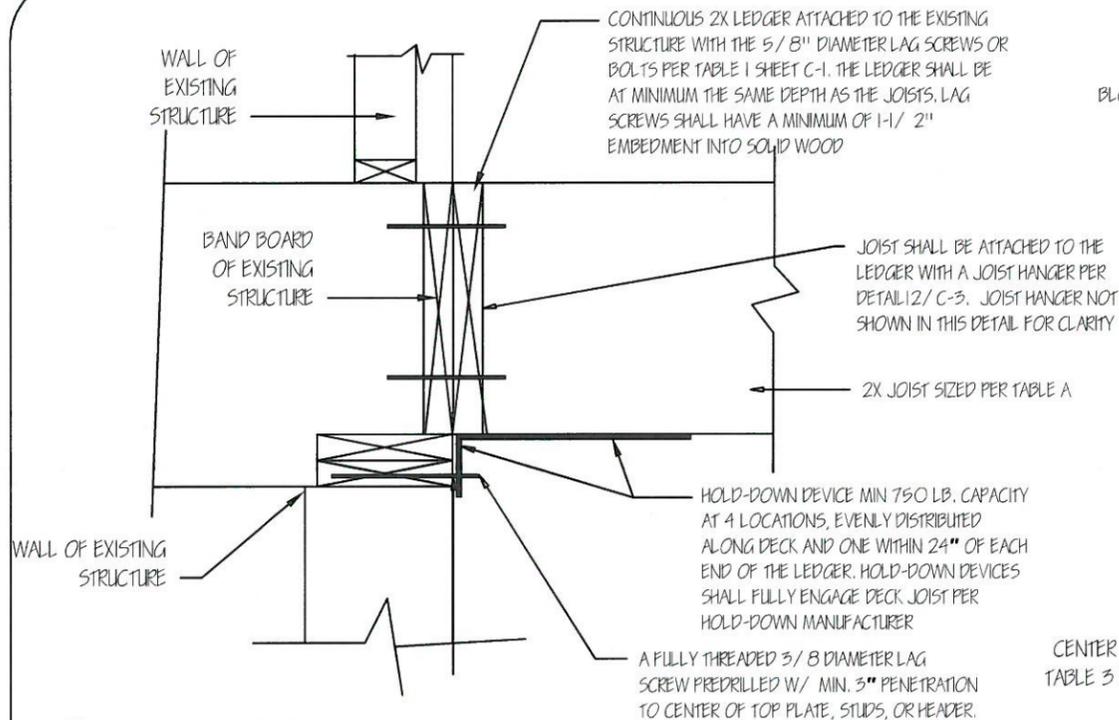
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REV: DATE:

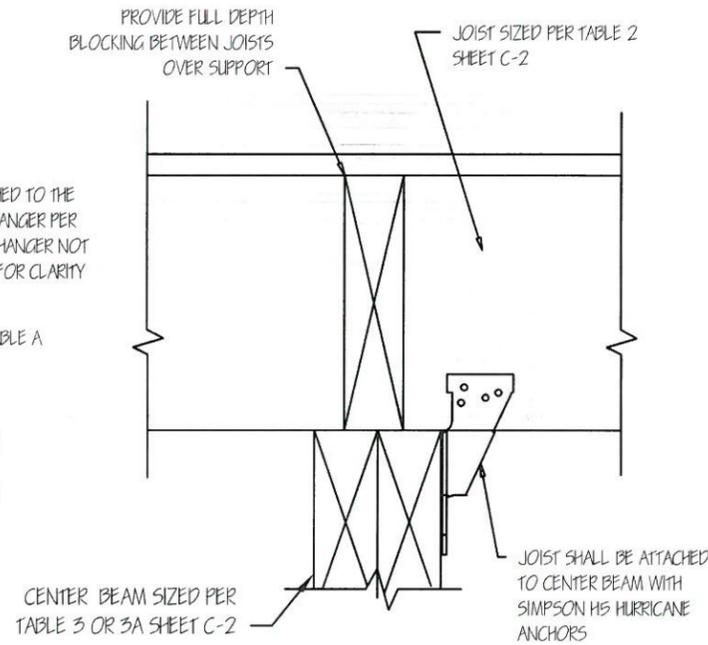
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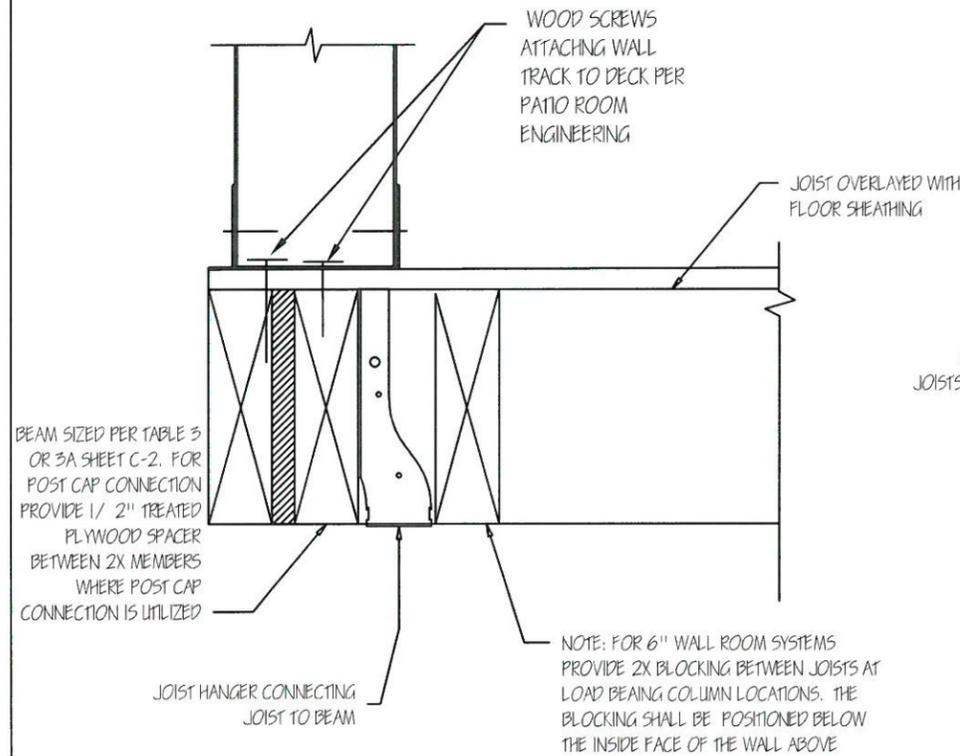
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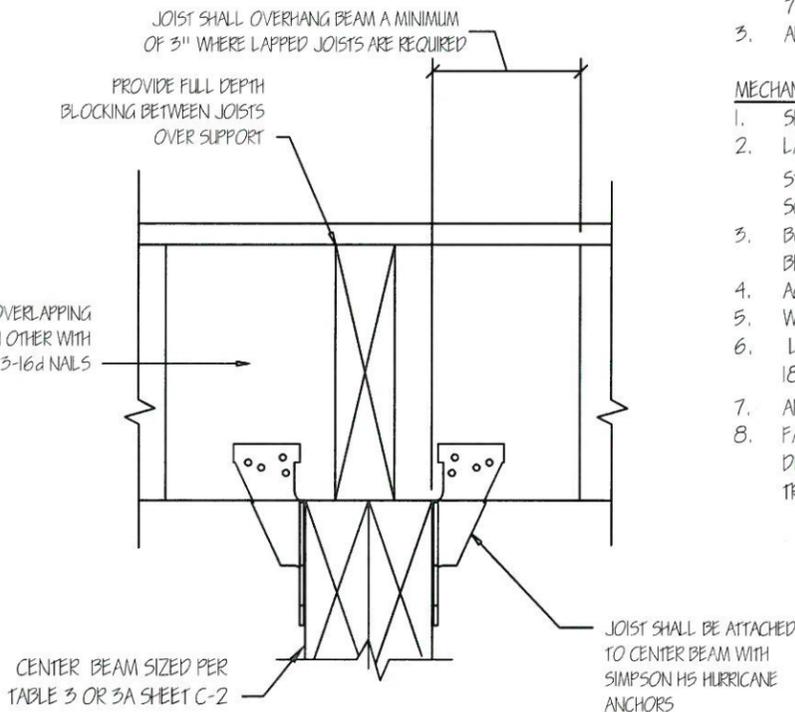
14  
C-4 DECK TO HOUSE CONNECTION DETAIL



16  
C-4 CONNECTION DETAIL AT CENTER BEAM



15  
C-4 CONNECTION DETAIL FOR BEAM AT DECK PERIMETER



17  
C-4 CONNECTION DETAIL AT CENTER BEAM

**GENERAL NOTES AND SPECIFICATIONS**

1. THE STRUCTURAL DESIGN FOR THE DECK HAS BEEN PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF 2009, 2012, 2015 AND 2018 EDITIONS OF THE IRC CODES AND UTILIZING THE FOLLOWING REFERENCED STANDARDS: 2009, 2012, 2015 AND 2018 NDS FOR WOOD.
2. THESE PLANS COVER THE DESIGN OF THE DECK 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. A MAXIMUM DESIGN HORIZONTAL WIND LOAD OF 30PSF WAS USED IN THE DESIGN OF THE DECK CONNECTIONS.
4. THE TERM "PATIO ROOM" IN THESE DRAWINGS REFERS SOLELY TO LIGHT GAUGE ALUMINUM FRAME STRUCTURES MANUFACTURED BY CHAMPION ENCLOSURE SUPPLIERS. THESE DRAWINGS ARE ONLY VALID WHEN THE PATIO ROOMS ARE CONSTRUCTED IN ACCORDANCE WITH THE CHAMPION ENCLOSURE SUPPLIERS PATIO ROOM ENGINEERING.

**MATERIALS**

**DIMENSIONAL LUMBER**

1. DIMENSIONAL LUMBER SHALL BE DOUGLAS FIR, SOUTHERN PINE, HEM-FIR, SPF, ALL DIMENSIONAL LUMBER SHALL BE GRADE #2 MINIMUM.
2. DIMENSIONAL LUMBER SHALL BE TREATED FOR PREVENTION OF DECAY AS REQUIRED BY THE GOVERNING CODE OF THE LOCALITY.

**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.

**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 5/8" DIAMETER AND 40,000 PSI FOR 3/8" AND LARGER DIAMETER. LAG SCREWS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 8 X LAG SCREW DIAMETER
3. BOLTS SHALL COMPLY TO ANSI/ ASME STANDARD B.18.2.1-1981. BOLTS SHALL BE FULL DIAMETER BOLTS WITH A BENDING YIELD STRENGTH OF 70,000 PSI. L
4. AG SCREWS SHOULD BE GALVANIZED STEEL WITH A MINIMUM BENDING YIELD STRENGTH OF 60,000PSI.
5. WOOD SCREWS SHALL HAVE A MINIMUM BENDING YIELD STRENGTH OF 80,000 PSI
6. 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.
7. ANCHOR BOLTS INTO CONCRETE SHALL BE 3/8"Ø X 2-1/2" WEDGE-BOLT+ ANCHORS BY POWERS FASTENERS.
8. 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.

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 PLANS AND DETAILS FOR A  
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DATE: JULY 3, 2019

SCALE: NTS

Drawn by: MJG

REV: DATE:

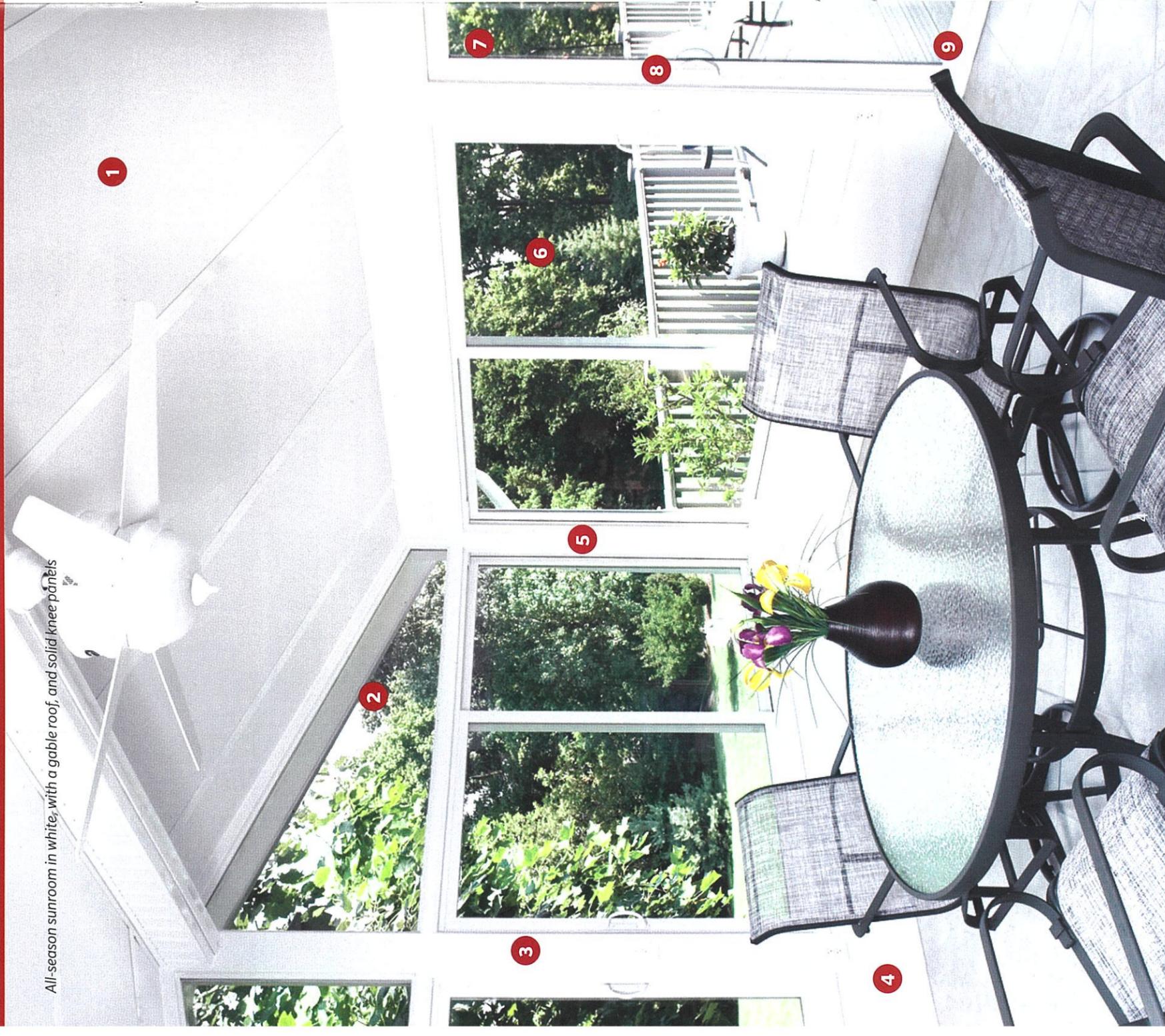
SHEET: 4044



2/17/2025

# ALL-SEASON SUNROOM

The perfect choice if you want natural light and views of the outdoors year-round. An all-season sunroom has full heating and air conditioning capability and is outfitted with the maximum insulation to keep the room comfortable in both the warmest and coolest of weather. Our all-season sunrooms bring together best-in-class components for flawless performance. Here is a closer look:

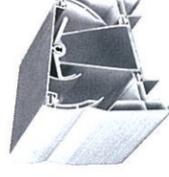


All-season sunroom in white, with a gable roof, and solid knee panels



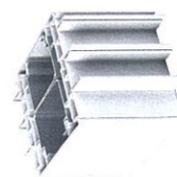
## 1 Insulated Roof Panel I-Beams

- I-beams are the strongest load-bearing structures available
- Thermal break helps keep the I-beams from conducting cold and heat into your room
- Choice of 4- or 6-inch roof panels
- High R-value and rot-resistant performance
- Lightweight cores create less stress on your walls and foundation



## 2 Load-Bearing Adjustable Header

- Tilts to match the pitch of your roof
- Sealed to become part of the roof
- Enhances strength and the greater thickness supports a larger glass viewing area



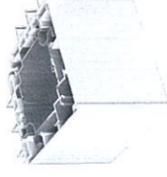
## 3 Center Post Mullion

- Adds additional strength to your room
- Designed to conceal wiring
- Allows outlets to be attractively recessed



## 4 Six-Inch Insulated Knee Panels

- Made to perfectly match the Champion stucco-embossed wall and roof design
- Designed to resist denting and scratching
- Cleans easily and will not yellow
- Panels also available in energy efficient glass



## 5 Six-Inch Corner Post

- Large rectangular design engineered for maximum strength
- Screws are invisible
- Provides an attractive, maintenance-free exterior look



## 6 Energy Efficient Glass Windows

- Superior U-Factor helps keep warm air in and cold winter air out
- Lower Solar Heat Gain number helps keep summer heat out and cool air in
- Superb energy efficiency
- Blocks harmful UV rays to reduce fading of carpets, drapes, and furniture
- Your home is more comfortable year-round



## 7 Energy Efficient Glass Doors

- High-efficiency, double insulated, argon-filled glass
- Attractive, contemporary handles with mortised lock
- Heavy-duty engineering
- Dual-tandem rollers ensure smooth operation



## 8 Screen Doors

- Patio-door quality
- Locking handles
- Fiberglass mesh will not bend or oxidize



## 9 Door-Sill Track

- Recessed track prevents air infiltration, and ensures smooth operation
- Stainless-steel rollers stay rust-free, and are featured on all sliding windows and doors

## ADDITIONAL FEATURES

- Hidden connectors conceal screws and bolts for an attractive exterior and interior finish
- Raceway hides electric and phone wires
- No exposed aluminum means reduced condensation and a warmer room in the winter
- Larger glass expanses provide maximum panoramic views
- Optional/extra five- or six-inch seamless gutter is matched to your home



420 Lindenwood Dr.

# Plat of Survey

SCALE 1" = 30'

JAHNKE & JAHNKE ASSOCIATES INC.

Consultants in Engineering, Planning, Subdivisions and Surveying

420 Lindenwood

711 W. MORELAND BLVD. - WAUKESHA, WISCONSIN 53188

TELEPHONE (414) 542-5797

FOR: BIELINSKI BROS. BUILDERS, INC. RE: O'ROURKE

LEGAL DESCRIPTION: Lot 18, Block 19, HARTRIDGE ADD'N. NO. 7, being a redivision of a portion of Lot 2, Block 6 Hartridge Add'n. No. 1, all of Lot 3, Block 6, Hartridge Add'n. No. 2 and a part of the NW 1/4 of Sec. 11, T7N, R18E, in the Village of Hartland, Waukesha County, Wisconsin.

Bench Mark 89.76 (Assumed Datum) Northwest sanitary sewer invert in manhole in front of lot as shown.

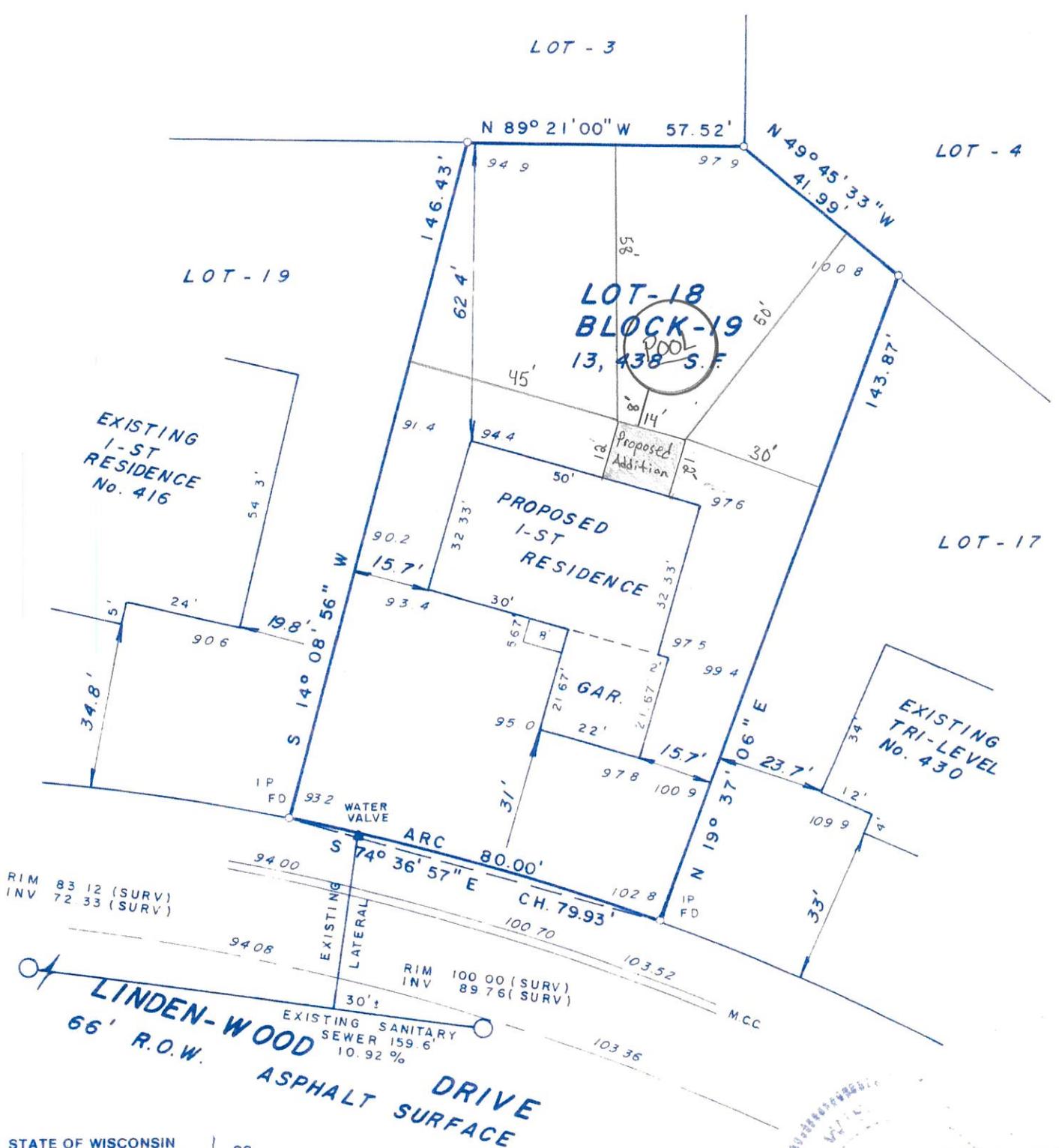
95.0 - Existing elevation

Suggested Residence Grade: First Floor 102.7\*

Top of Foundation 101.7\*

\*suggested grade only

NOTE: No iron pipes were placed at lot corners as part of this survey.



STATE OF WISCONSIN }  
 COUNTY OF WAUKESHA } SS. \_\_\_\_\_

WE, JAHNKE & JAHNKE ASSOCIATES INC., DO HEREBY CERTIFY THAT WE HAVE MADE THIS SURVEY AND THAT THE INFORMATION AS SHOWN ON THE ABOVE PLAT OF SURVEY IS TRUE AND CORRECT REPRESENTATION THEREOF.

DATED THIS 1st DAY OF April 19 91

PLAT No. P.S. Merton 328 BOOK Merton #10 PAGE 24

RICHARD P. JAHNKE - Wis. Reg. No. S-318  
*Richard P. Jahnke*

JOHN W. JAHNKE - Wis. Reg. No. S-917  
*John W. Jahnke*

G.M.B. ENGINEERING 528062