



HISTORIC DISTRICT COMMISSION NOTICE OF DENIAL

City of Detroit - Planning & Development Department
2 Woodward Avenue, Suite 808
Detroit, Michigan 48226

Notification Date: 09/15/26

Application Number: HDC2026-00290

APPLICANT & PROPERTY INFORMATION

NAME: Ikenna Okereke

COMPANY NAME: N/A

ADDRESS: 1977 Atkinson St.

CITY: Detroit

STATE: MI

ZIP: 48206

PROJECT ADDRESS: 1977 Atkinson St., Detroit, MI

HISTORIC DISTRICT: Atkinson Avenue

SCOPE:

Erect pre-fabricated metal building

At the Regular Meeting that was held on 09/09/26, the Detroit Historic District Commission ("DHDC") reviewed the above-referenced application. Pursuant to Section 5(1) and 9(1) of the Michigan Local Historic District Act, as amended, being MCL 399.205 (1), MCL 399.209 (9) and Sections 21-2-78 and 21-2-80 of the 2019 Detroit City Code; the DHDC hereby issues a Denial for the following work, effective on 09/15/26, as it will be inappropriate according to the Secretary of Interior's Standards for Rehabilitation and the district's Elements of Design:

REASONS FOR DENIAL:

The proposed installation of the pre-fabricated metal building is not compatible with the massing, size, scale, and architectural features of the historic-age house and fails to protect the historic integrity of the property and its environment.

FAILURE TO MEET STANDARDS:

The Standards for Rehabilitation (codified in 36 CFR 67 for use in the Federal Historic Preservation Tax Incentives program) address the most prevalent treatment. "Rehabilitation" is defined as "the process of returning a property to a state of utility, through repair or alteration, which makes possible an efficient contemporary use while preserving those portions and features of the property which are significant to its historic, architectural, and cultural values."

As stated in the definition, the treatment "rehabilitation" assumes that at least some repair or alteration of the historic building will be needed in order to provide for an efficient contemporary use; however, these repairs and alterations must not damage or destroy materials, features or finishes that are important in defining the building's historic character.

The Standards are to be applied to specific rehabilitation projects in a reasonable manner, taking into consideration economic and technical feasibility.

Failure to meet standards: 9

Corresponding Standard numbered below:

1. A property shall be used for its historic purpose or be placed in a new use that requires minimal change to the defining characteristics of the building and its site and environment
2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.
3. Each property shall be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or architectural elements from other buildings, shall not be undertaken.
4. Most properties change over time; those changes that have acquired historic significance in their own right shall be retained and preserved.
5. Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a property shall be preserved.
6. Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.
7. Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible.
8. Significant archeological resources affected by a project shall be protected and preserved. If such resources must be disturbed, mitigation measures shall be undertaken.
9. New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.
10. New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

FAILURE TO MEET ELEMENTS OF DESIGN:

Failure to meet Elements of Design: 7, 8, 9, 20

Corresponding design element numbered below:

- | | |
|---|--|
| 1. Height. | 12. Walls of continuity. |
| 2. Proportion of building's front façades. | 13. Relationship of significant landscape features and surface treatments. |
| 3. Proportion of openings within the façade. | 14. Relationship of open space to structures. |
| 4. Rhythm of solids to voids in front façade. | 15. Scale of façade and façade elements. |
| 5. Rhythm of spacing of buildings on streets. | 16. Directional expression of front elevations. |
| 6. Rhythm of entrance and/or porch projections. | 17. Rhythm of building setbacks. |
| 7. Relationship of materials. | 18. Relationship of lot coverages. |
| 8. Relationship of textures. | 19. Degree of complexity within the façade. |
| 9. Relationship of colors. | 20. Orientation, vistas, overviews. |
| 10. Relationship of architectural details. | 21. Symmetric or asymmetric appearance. |
| 11. Relationship of roof shapes. | 22. General environmental character. |

If you have any questions regarding the above, please contact staff at 313-224-1762 or hdc@detroitmi.gov.

For the Commission:



Garrick Landsberg
Director of Staff, Historic District Commission

PSR:Bilqees

260915BS

APPEALS PROCESS

The application may be resubmitted for the Historic District Commission's review when suggested changes have been made that address the cited reasons for denial, if applicable. Please be advised that, in accordance with MCL 399. 211 and Section 21-2-81 of the 2019 Detroit City Code, an applicant aggrieved by a decision of the DHDC may file an appeal with the State Historic Preservation Review Board. Within sixty (60) days of your receipt of this notice, an appeal may be filed with:

Jon Stuckey, Michigan Department of Attorney General
2nd Floor, G. Mennen Williams Building
525 West Ottawa Street, P.O. Box 30754, Lansing, MI 48909
Phone: 517-335-0665 E-mail: stuckeyj@michigan.gov



HISTORIC DISTRICT COMMISSION APPLICATION FOR WORK APPROVAL

City of Detroit - Planning & Development Department
2 Woodward Avenue, Suite 808
Detroit, Michigan 48226

APPLICATION ID

HDC2026-00290

PROPERTY INFORMATION

ADDRESS(ES): 1977 Atkinson St., Detroit, MI

HISTORIC DISTRICT: Boston-Edison

SCOPE OF WORK: (Check ALL that apply)

- | | | | | | |
|--|---|--|---|---|--------------------------------|
| ☐ Windows/
Doors | ☐ Walls/
Siding | ☐ Painting | ☐ Roof/Gutters/
Chimney | ☐ Porch/Deck/Balcony | ☐ Other |
| ☐ Demolition | ☐ Signage | ☐ New
Building | ☒ Addition | ☐ Site Improvements
(landscape, trees, fences,
patios, etc.) | |

BRIEF PROJECT DESCRIPTION:

We would like to build a garage in our backyard. It will be a 3-stall, 24 x 36 dimensions. Thank you.

APPLICANT IDENTIFICATION

TYPE OF APPLICANT: Property Owner/Homeowner

NAME: Ikenna Okereke

COMPANY NAME: N/A

ADDRESS: 1977 Atkinson St.

CITY: Detroit

STATE: MI

ZIP: 48206

PHONE: *****

EMAIL: *****

I AGREE TO AND AFFIRM THE FOLLOWING:

- ☒ I understand that the failure to upload all required documentation may result in extended review times for my project and/or a denied application.
- ☒ I understand that the review of this application by the Historic District Commission does not waive my responsibility to comply with any other applicable ordinances including obtaining appropriate permits (building, sign, etc.) or other department approvals prior to beginning the work.
- ☒ I hereby certify that I am the legal owner and/or occupant of the subject property and that the information on this application is true and correct.
- ☒ As required by the state Local Historic Districts Act, [Act 169 of 1970](#) (MCL399.205), I hereby certify that the property where work will be undertaken has, or will have before the proposed project completion date, a fire alarm system or a smoke alarm complying with the requirements of the Stille-DeRossett-Hale single state construction code act, [1972 PA 230, MCL 125.1501 to 125.1531](#)

Signed by:

Ikenna Okereke

42FF48834D764BD...

SIGNATURE

05/27/2026

DATE

NOTE: Based on the scope of work, additional documentation may be required. See www.detroitmi.gov/hdc for scope-specific requirements.

PROJECT DETAILS – TELL US ABOUT YOUR PROJECT

Instructions: Add project details using the text box in each section. If your details exceed the space provided, attach the details via the attachment icon for that section.

ePLANS PERMIT NUMBER: (only applicable if you've already applied for permits through ePLANS)	N/A
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GENERAL

1. DESCRIPTION OF EXISTING CONDITION <i>Please tell us about the current appearance and conditions of the areas you want to change. You may use a few sentences or attach a separate prepared document on the right. (For example, "existing roof on my garage is covered in gray asphalt shingles in poor condition.")</i>	
We want to build a garage in our backyard. There is currently no garage.	
2. PHOTOGRAPHS <i>Help us understand your project. Please attach photographs of all areas where work is proposed.</i>	
3. DESCRIPTION OF PROJECT <i>In this box, tell us about what you want to do at the areas described above in box #1. (For example, Install new asphalt shingle roofing at garage.)</i>	
4. DETAILED SCOPE OF WORK <i>In this box, please describe all steps necessary to complete the work described in box #3. (For example, "remove existing shingles, replace wood deck as necessary, replace wood eaves, install roof vents, replace rotted fascia boards, paint, clean worksite.")</i>	
We will lay cement and then build the garage. The backyard is already partially cemented.	
5. BROCHURES/CUT SHEETS <i>Please provide information on the products or materials you are proposing to install. For example, a brochure on the brand and color of the shingles proposed.</i>	

ADDITIONAL DETAILS



24' W x 35' L x 9' H

Approximate center clearance: 12'



City of Detroit - Planning & Development Department
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HISTORIC DISTRICT COMMISSION ADDITIONAL INFORMATION REQUEST

Date: 07/01/26

Application Number: HDC2026-00290

APPLICANT & PROPERTY INFORMATION

NAME: Ikenna Okereke

COMPANY NAME: N/A

ADDRESS: 1977 Atkinson St.

CITY: Detroit

STATE: MI

ZIP: 48206

PROJECT ADDRESS: 1977 Atkinson St., Detroit, MI

HISTORIC DISTRICT: Atkinson Avenue

REQUESTED INFORMATION

We have received your application, but it is not yet complete for review. Please provide additional details based on the comments and questions listed below. Should you need to attach additional files per this request, use the paperclip icons at the end of this form. You may attach up to (5) files per icon up to 25MB:

Thank you. Please provide:

- a photo of the front of your house
- product cut sheet for the gable vent that includes material and color
- product cut sheet for the windows that includes material and color

We don't see elevation drawings for your proposed garage with dimensions/measurements. We see that there is an elevation drawing that shows a maximum of 12' at the top of the wall. Elsewhere in the application materials, the building's height was listed as 9'. Will your garage have a wall height of 9'? How tall will the ridge/highest point of the garage be?

Also, we see that the siding is proposed to be brown horizontal corrugated metal sheathing. Is your roof proposed to be the same metal sheathing material but in black?

Lastly, we note that some concrete is currently in place. On the site plan, could you mark it to show the shape and dimensions of the concrete pad where the garage would be installed, and could you please include the shape and dimensions of any concrete in front of the garage (between the house and the garage)?

This application will need to be reviewed by the Commission and if this application is complete by July 20, it should be able to be reviewed at the August 12 Commission meeting. Thank you.

APPLICANT RESPONSE

Response Date: 08/06/2026



Attached are the photo and specifications that were requested.

The gable vent will be the same brick color with black trim as the house. A photo of the front of the house is attached here.

The windows will also have black trim to match the house.

Thank you.

IKENNA OKEREKE

1977 ATKINSON ST, DETROIT, MI 48206

(AHJ : WAYNE COUNTY, MI)

24' X 35' X 12'

SCOPE OF PLANS:

1. TO PROVIDE STRUCTURAL DESIGN FOR THE PRE-FAB METAL BUILDING PER THE SPECIFIED DESIGN LOADS, AND APPLICABLE BUILDING CODES. ANY DISCREPANCIES IN DESIGN LOADS SHALL BE BROUGHT TO THE ATTN. OF THE ENGINEER OF RECORD.
2. DOES NOT PROVIDE ANY ARCHITECTURAL, SITE, ZONING, HVAC, ELEC, MECH DESIGN OR REQUIREMENTS. THESE ITEMS MUST BE ADDRESSED BY THEIR RESPECTIVE PROFESSIONALS IN CHARGE.

GENERAL STRUCTURAL DESIGN NOTES

1. THIS STRUCTURE IS DESIGNED FOR NON-HABITABLE USE. NO PERSONS ARE ALLOWED TO LIVE IN THIS BUILDING OR USE IT AS A LIVING SPACE. ONLY INCIDENTAL OCCUPANCY IS PERMITTED.
2. ALL WELDS ARE TO BE SHOP WELDS. FIELD WELDING IS NOT PERMITTED NOR REQUIRED. WELDING ELECTRODES PER AWS CODE, E70XX UNLESS NOTED OTHERWISE ON PLANS.
3. LIGHT GAUGE TUBING SHALL BE EITHER (OR EQUAL): ASTM A513-1035 (FY = 50 KSI, FU = 66 KSI) OR ASTM A500 GRADE C (FY = 50 KSI, FU = 65 KSI). ALL CHANNELS SHALL BE A653 (HSLA) GRADE 50 STEEL (FY = 50 KSI, FU = 65 KSI) OR EQUAL. HOT ROLLED STEEL SHAPES (FY = 36 KSI, BASE ANGLES) EXPOSED TO THE ELEMENTS, SHALL HAVE ONE COAT OF RUST PROOF PRIMER FOLLOWED BY TWO COATS OF PAINT.
4. ALL STRUCTURAL FIELD CONNECTIONS SHALL BE #12-14 x 3/4" SDS PER ESR-2196 U.N.O. REF. TO DESIGN NOTES ON SHEET 2 FOR SHEATHING FASTENER TYPE.
5. ADEQUATE BRACING DURING ALL STAGES OF CONSTRUCTION IS REQUIRED. STRUCTURE AND FOUNDATION ARE DESIGNED FOR COMPLETED CONDITION ONLY.
6. BUILDING ROOF IS NOT DESIGNED AS A WALKABLE SURFACE. SPECIAL SCAFFOLDING SHALL BE USED AS A WORK SURFACE FOR WORKERS AND MATERIALS DURING MAINTENANCE AND REPAIR OPERATIONS.
7. GYPSUM BOARD OR DRYWALL FINISH OR ANY BRITTLE BASE MATERIAL IS NOT CONSIDERED OR ACCOUNTED FOR ON THE DESIGN CRITERIA OF THIS STRUCTURE, U.N.O.

STRUCTURAL DESIGN CRITERIA

PREVAILING CODE:	MBC 2021
OCCUPANCY / USE GROUP:	S (STORAGE)
CONSTRUCTION TYPE:	V B (ANY MAT'L - IBC 602.5)
RISK CATEGORY:	I
BUILDING FOOTAGE:	840 SQ.FT
1. DEAD LOAD (D) COLLATERAL LOAD	2.0 PSF
2. ROOF LIVE LOAD (Lr)	Lr = 12 PSF
3. SNOW LOAD (S) GROUND SNOW LOAD IMPORTANCE FACTOR THERMAL FACTOR EXPOSURE FACTOR ROOF SLOPE FACTOR FLAT ROOF SNOW LOAD SLOPED ROOF SNOW LOAD MINIMUM SNOW LOAD DESIGN SNOW LOAD	Pg = 30 PSF Is = 0.80 Ct = 1.2 Ce = 1.0 Cs = 1.0 Pf = 20 PSF Ps = 20 PSF Pm = 20 PSF S = 20 PSF
4. WIND LOAD (W) DESIGN WIND SPEED EXPOSURE	V = 115 MPH C
5. SEISMIC LOAD (E) Ss / S1 SDs / SD1 DESIGN CATEGORY SITE CLASS IMPORTANCE FACTOR	0.101/0.046 0.108/0.073 B D (DEFAULT) Ie = 1.00

STRUCTURAL DRAWING INDEX

- 1 COVER SHEET
- 2 ELEVATIONS
- 3A FOUNDATION PLAN & NOTES
- 3B FOUNDATION DETAILS & NOTES
- 4 COLUMN LAYOUT PLAN & DETAILS
- 5 FRAME SECTION & DETAILS
- 6A SIDE WALL FRAMING & DETAILS
- 6B SIDE WALL FRAMING DETAILS
- 7 END WALL FRAMING & DETAILS

SPECIAL INSPECTIONS

NO SPECIAL INSPECTIONS ARE REQUIRED FOR THIS STRUCTURE, AS IT MEETS THE EXCEPTIONS OF SECTION 1704 PER MBC 2021, UNLESS EXPLICITLY REQUIRED BY THE BUILDING OFFICIAL.

Zahed S Cadiri

Digitally signed by Zahed S Cadiri
Location: Toledo Ohio
Date: 2026.08.04 10:25:01-04'00'

REVISIONS LIST		
MARK	COMMENTS	DATE
-	ISSUED FOR PERMIT	JUL 31 2026

2/26/2026

THE INFORMATION CONTAINED IN THESE DRAWINGS IS THE SOLE PROPERTY OF MIDWEST STEEL CARPORTS ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MIDWEST STEEL CARPORTS IS PROHIBITED.

FOR QUESTIONS, MODIFICATIONS, REVISIONS OR CORRECTIONS NEEDED TO PLANS, PLEASE CONTACT THE METAL BUILDINGS MANUFACTURER LISTED ON PLANS. ENGINEER OF RECORD REQUIRES AUTHORIZATION FROM THE METAL BUILDINGS MANUFACTURER TO MAKE ANY CHANGES TO PLANS.

SHEET NO: 1 OF 7
PROJECT NO: 227-26-2161
DRAWN BY: BG
DATE: 7/31/2026

COVER SHEET

LOCATION: 1977 ATKINSON ST, DETROIT, MI 48206
PROJECT TITLE: IKENNA OKEREKE

METAL BUILDING MANUFACTURER
MIDWEST STEEL
You Envision. We Build.
13479 S. Mason Drive
Grant, MI 49327
Tel: (616) 675-7060

WARNING: Unauthorized copy or use of the seal below is considered forgery subject to legal action to the fullest extent of the law and/or fines.
Checked By: ZSS

IKENNA OKEREKE
1977 ATKINSON ST, DETROIT, MI 48206
ZAHED CADIRI
NO. 6201315019
PROFESSIONAL ENGINEER
SIGNED : JUL 31 2026

SHEET. NO:
2 OF 7

PROJECT NO:
227-26-2161

DRAWN BY:
BG

DATE:
7/31/2026

ELEVATIONS

SHEET TITLE:

PROJECT TITLE:

LOCATION:

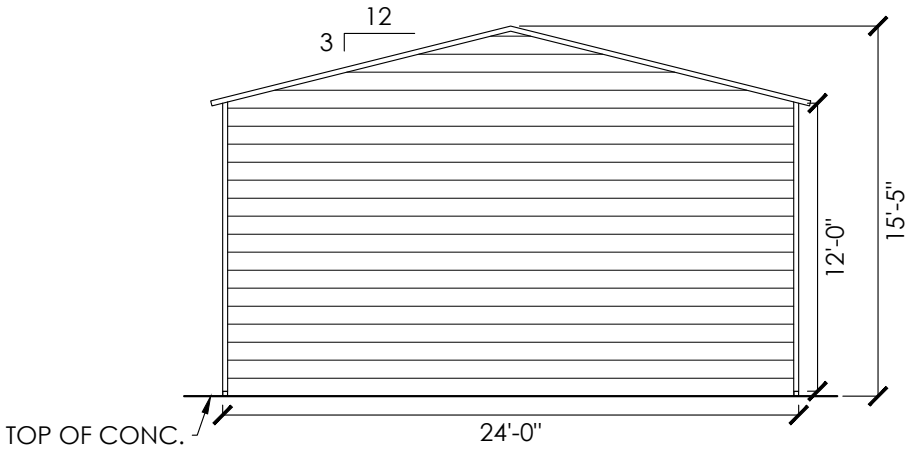
1977 ATKINSON ST, DETROIT, MI 48206

IKENNA OKEREKE

METAL BUILDING MANUFACTURER

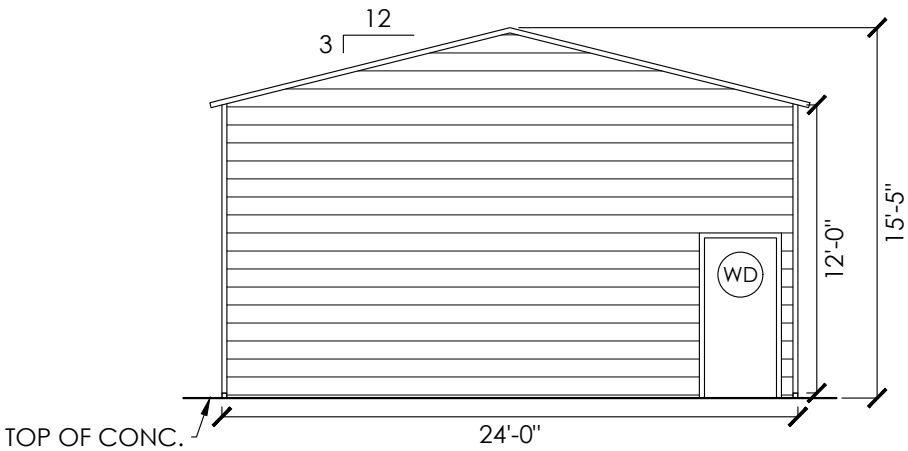
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FRONT END WALL ELEVATION

SCALE: 1/8" : 1'



BACK END WALL ELEVATION

SCALE: 1/8" : 1'

DESIGN NOTES

1. THE INTENTION OF ELEVATIONS PROVIDED ON THIS SHEET IS TO INDICATE STRUCTURAL COMPONENTS, DIMENSIONS, AND BUILDING ORIENTATION ONLY.
2. ARCHITECTURAL DESIGN REQUIREMENTS ARE NOT COVERED IN THIS PLAN SET. THESE DESIGN REQUIREMENTS SHALL BE ADDRESSED IN A SEPARATE ARCHITECTURAL SET BY RESPONSIBLE LICENSED PROFESSIONALS IN CHARGE, AS NEEDED.
3. ALL EXT ROOF SHEATHING SHALL BE:
CLASS A RATED **29GA.** 3/4" RIB HT - GALV. OR PAINTED STEEL (FY=80 KSI) OR EQ.
(REF. SHT 5 FOR PROFILE AND FASTENER SCHD.)
4. ALL EXT WALL SHEATHING SHALL BE:
CLASS A RATED **29GA.** 3/4" RIB HT - GALV. OR PAINTED STEEL (FY=80 KSI) OR EQ.
(REF. SHT 5 FOR PROFILE AND FASTENER SCHD.)
5. SHEATHING CONNECTIONS SHALL BE #12-14 X ¾" SDS W/ BONDED NEOPRENE WASHER PER ESR 2196.

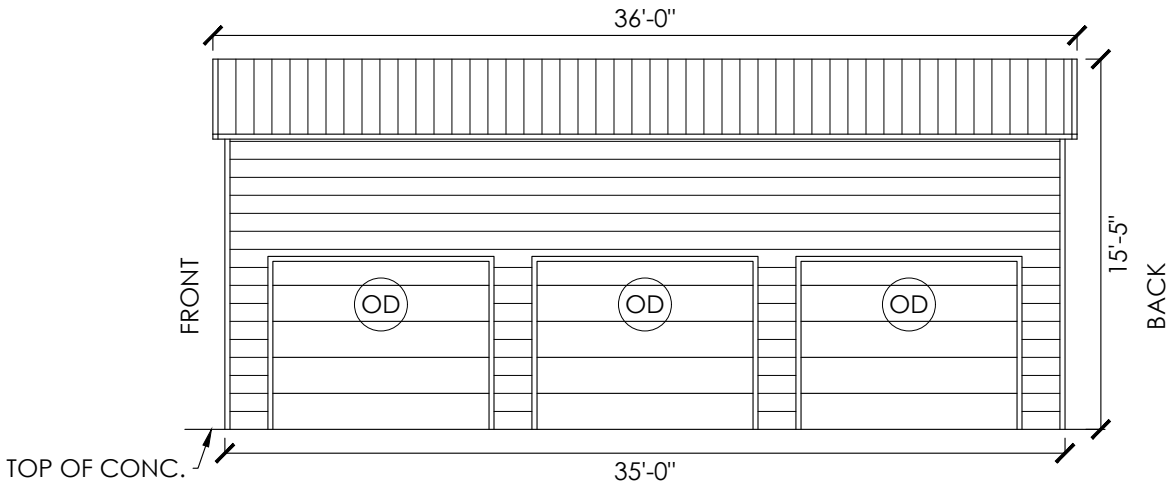
LEGEND

- (WN) WINDOWS (REF WINDOW MFG)
- (WD) WALK-IN DOORS (REF DOOR MFG)
- (OD) OVER HEAD / ROLL-UP DOOR (REF DOOR MFG)

NOTE 1: ANY DOOR OR WINDOW DESIGN & CONNECTION / ATTACHMENT INFORMATION, IS NOT COVERED IN THIS PLAN SET AND SHALL BE ADDRESSED BY OTHERS.

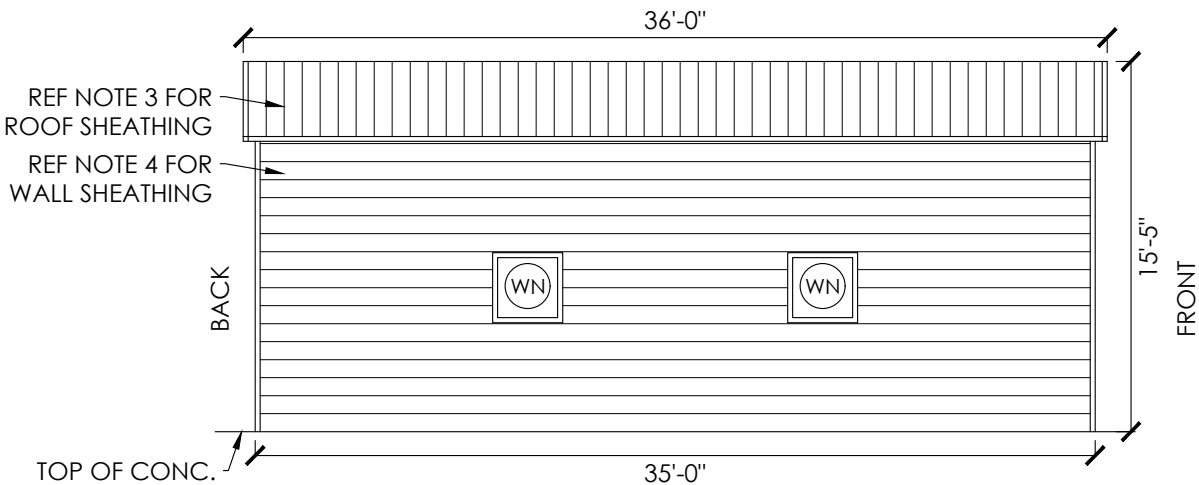
NOTE 2: LOCATION OF WALK-IN DOORS OR WINDOWS CAN BE DETERMINED ON SITE AS LONG AS THEY FALL BETWEEN BAYS (BETWEEN FULL FRAMES).

NOTE 3: HEIGHT OF WINDOWS CAN BE ADJUSTED OR DETERMINED ON SITE AS NEEDED.



RIGHT SIDE WALL ELEVATION

SCALE: 1/8" : 1'



LEFT SIDE WALL ELEVATION

SCALE: 1/8" : 1'

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SIGNED : JUL 31 2026

SHEET. NO:
3A OF 7

PROJECT NO:
227-26-2161

DRAWN BY:
BG

DATE:
7/31/2026

FOUNDATION PLAN & NOTES

LOCATION:
1977 ATKINSON ST, DETROIT, MI 48206

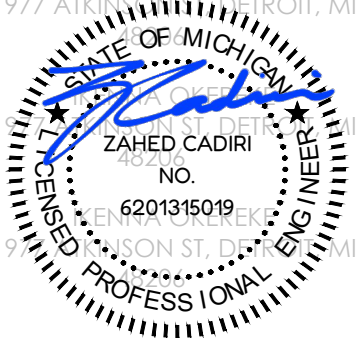
PROJECT TITLE:
IKENNA OKEREKE

METAL BUILDING
MANUFACTURER

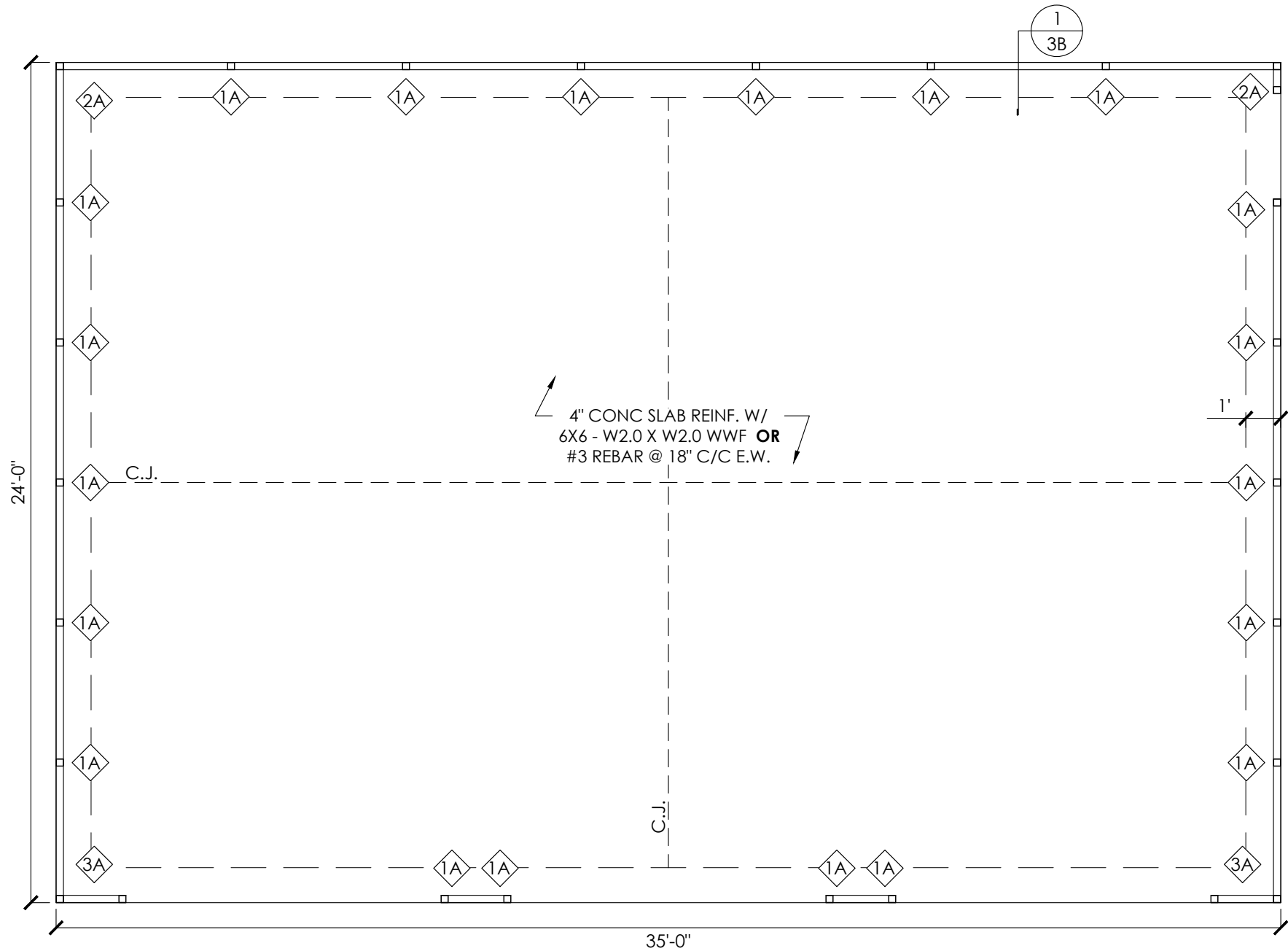
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IKENNA OKEREKE
1977 ATKINSON ST, DETROIT, MI 48206

**ZAHED CADIRI**
NO. 6201315019
PROFESSIONAL ENGINEER

SIGNED : JUL 31 2026



FOUNDATION PLAN
SCALE: 1/4" : 1'

CONCRETE ANCHORAGE	
1A	(1) 1/2"Ø X 7" LG. POWER-STUD+ SD1 EXPANSION ANCHOR (PER ESR 2818)
2A	(2) 1/2"Ø X 7" LG. POWER-STUD+ SD1 EXPANSION ANCHOR (PER ESR 2818)
3A	(3) 1/2"Ø X 7" LG. POWER-STUD+ SD1 EXPANSION ANCHOR (PER ESR 2818)

FOUNDATION NOTES:

- CONTROL JOINTS SHALL BE PLACED SO AS TO LIMIT MAX. SLAB SPANS TO 20' IN EACH DIRECTION.
- CONC ANCHORS SHALL BE LOCATED AS SHOWN ON THE FOUNDATION PLAN WITH A MINIMUM OF (1) ANCHOR PER POST.
- MIN. FOOTING DEPTH NEEDED TO RESIST BUILDING LOADS IS INDICATED ON FOUNDATION DETAILS.
HOWEVER, A GREATER FOOTER DEPTH MAYBE REQUIRED TO MEET THE LOCAL FROST LINE DEPTH PER CODE.
- DEPTH OF FOOTINGS SHALL EXTEND INTO UNDISTURBED SOIL OR COMPACTED ENGINEERING FILL.
- ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF.
- CONC STRENGTH TO BE A MIN OF 3000 PSI @ 28 DAYS FOR MODERATE WEATHERING POTENTIAL.
SPECIAL INSPECTION OF CONCRETE IS NOT REQUIRED AS STRUCTURAL DESIGN OF FOUNDATIONS IS BASED ON A MIN STRENGTH OF 2500 PSI @ 28 DAYS.

CONCRETE ANCHORAGE	
1A	(1) 1/2"Ø X 7" LG. POWER-STUD+ SD1 EXPANSION ANCHOR (PER ESR 2818)
2A	(2) 1/2"Ø X 7" LG. POWER-STUD+ SD1 EXPANSION ANCHOR (PER ESR 2818)
3A	(3) 1/2"Ø X 7" LG. POWER-STUD+ SD1 EXPANSION ANCHOR (PER ESR 2818)

ANCHORAGE NOTES:

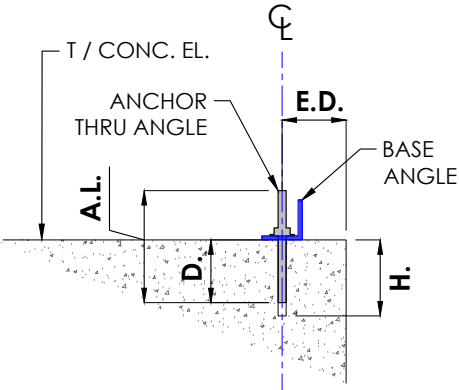
1. ANCHOR INSTALLATION REQUIREMENTS (REF ANCHORAGE DETAIL):

- E.D. - ANCHOR EDGE DISTANCE:
- MIN. 4" OR U.N.O.
- H. - ANCHOR HOLE DEPTH:
- MIN. 4.00"
- D. - CONCRETE EMBEDMENT DEPTH:
- MIN. 3.754"
- SPACING BETWEEN (2) ANCHORS:
- MIN. 5.00" OR U.N.O.

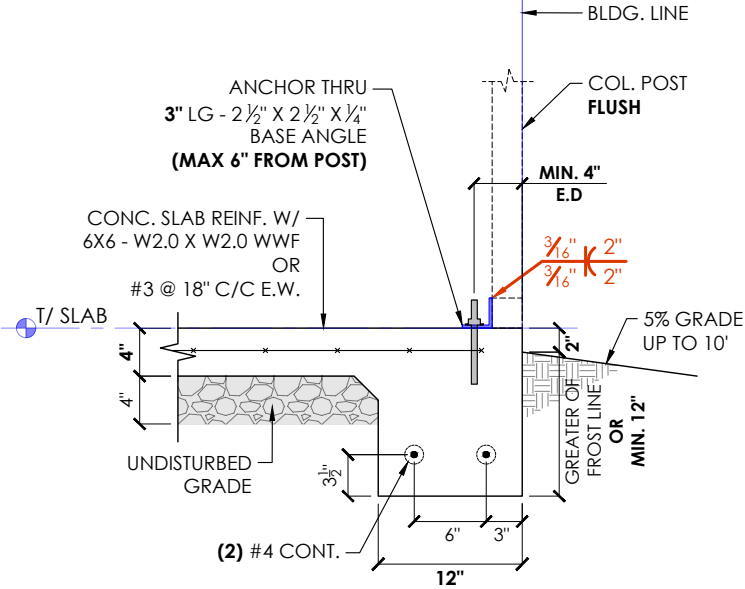
2. ANCHORS TO BE SPACED NO MORE THAN 6" FROM POSTS OR U.N.O.
3. ANCHORS TO BE INSTALLED PER MANUFACTURER'S REQ. PER SPECIFIED ESR.

REINFORCEMENT NOTES:

1. REINFORCING STEEL: DEFORMED BARS CONFORMING TO ASTM A615, GRADE 40, WITH A MINIMUM YIELD OF 40 KSI FOR ALL BARS UNLESS OTHERWISE INDICATED ON DRAWINGS.
2. WELDED WIRE FABRIC: ASTM A185 USING BRIGHT STEEL WIRE MEETING THE REQUIREMENTS OF ASTM A82. GAUGES AND DIMENSIONS AS NOTED ON THE DRAWINGS. PROVIDE IN FLAT SHEETS OR ROLLS.



ANCHORAGE DETAIL
SCALE: NTS



1 FOUNDATION DETAILS
SCALE: 3/4" : 1'

SHEET NO:
3B OF 7

PROJECT NO:
227-26-2161

DRAWN BY:
BG

DATE:
7/31/2026

SHEET TITLE:
FOUNDATION DETAILS & NOTES

LOCATION:
1977 ATKINSON ST, DETROIT, MI 48206

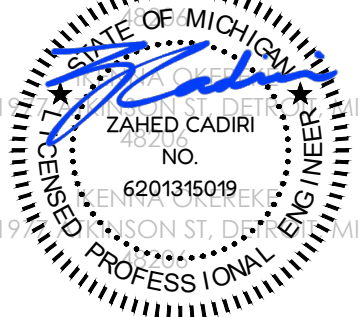
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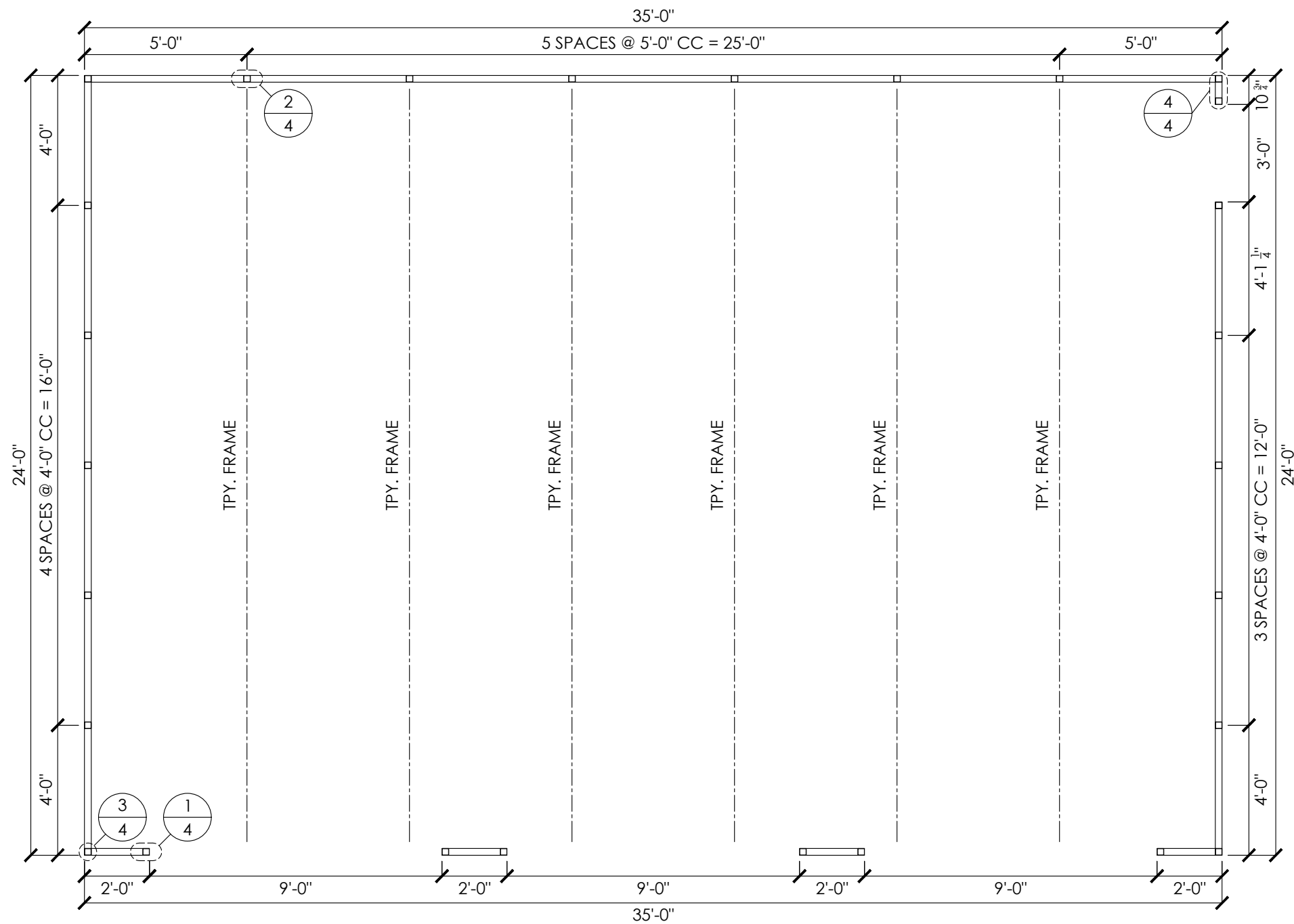
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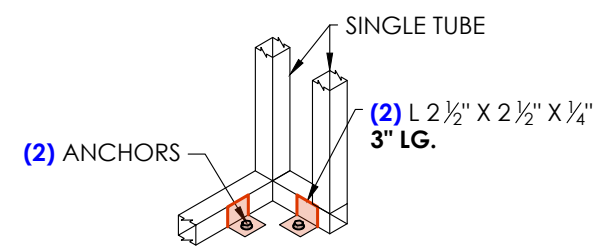
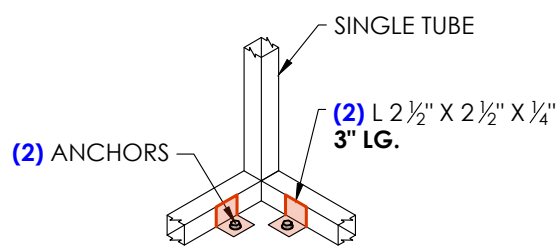
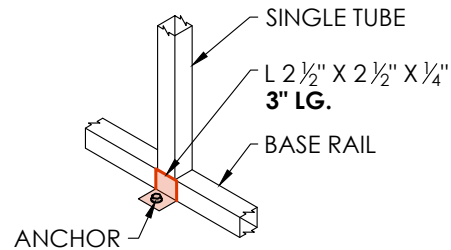
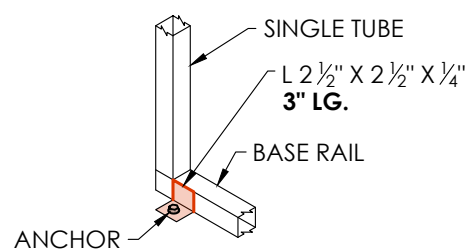


1977 ATKINSON ST, DETROIT, MI 48206
IKENNA OKEREKE
1977 ATKINSON ST, DETROIT, MI 48206

SIGNED : JUL 31 2026



NOTE:
SEE SHEET 3A / 3B FOR ANCHOR TYPE
SEE SHEET 5 FOR FRAME SECTION AND DETAILS



WARNING: Unauthorized copy or use of the seal below is considered forgery subject to legal action to the fullest extent of the law and/or fines.

Checked By: ZSS

Checked By: ZSS

IKENNA OKEREKE

1977 ATKINSON ST. DETROIT, MI

48206

STATE OF MICHIGAN

★

★

ZAHED CADIRI

NO.

6201315019

LICENSED PROFESSIONAL ENGINEER

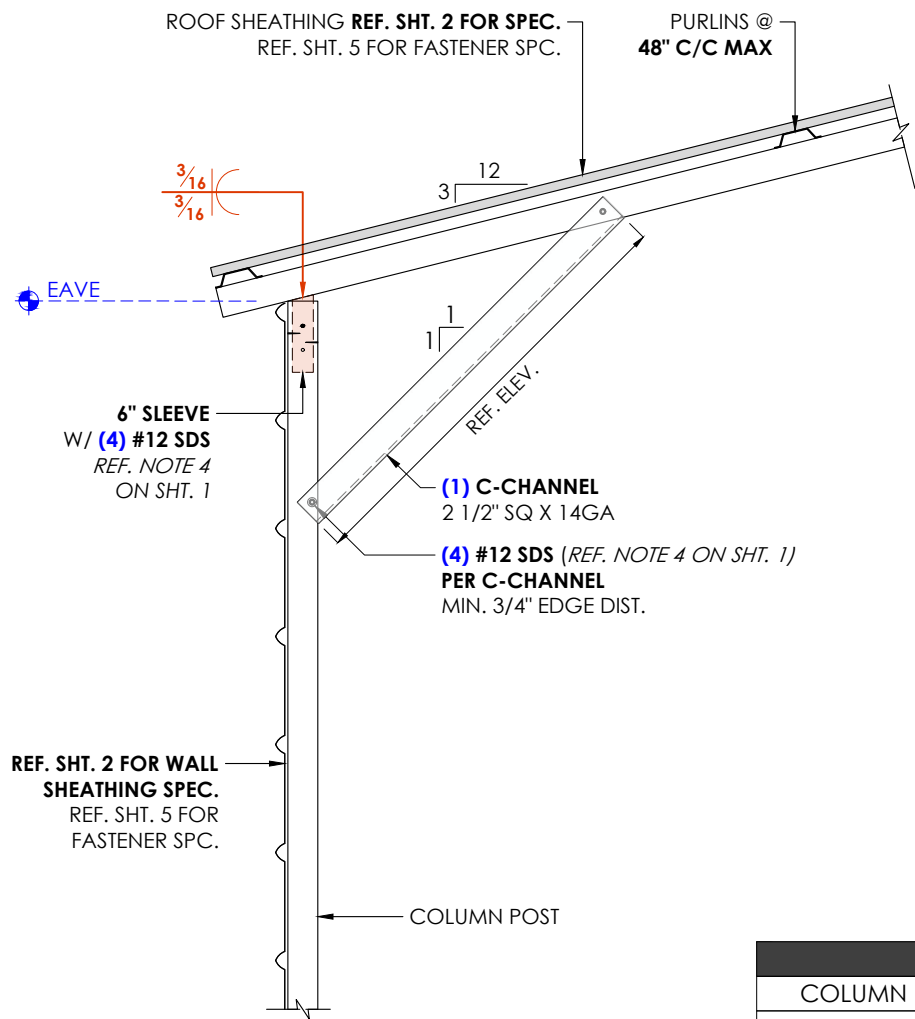
IKENNA OKEREKE

1977 ATKINSON ST. DETROIT, MI

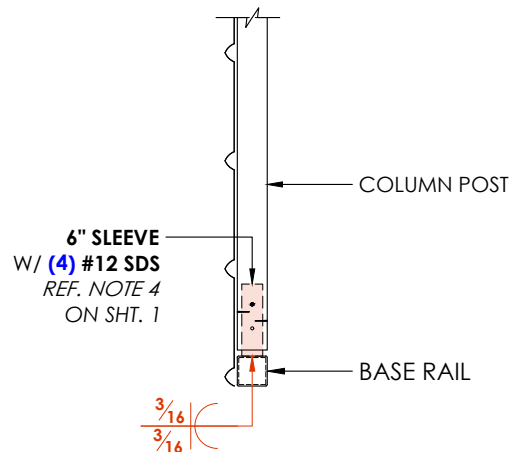
48206

SIGNED : JUL 31 2026

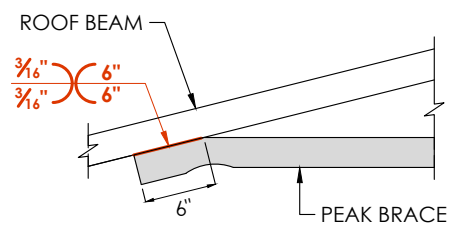
SIGNED : JUL 31 2026



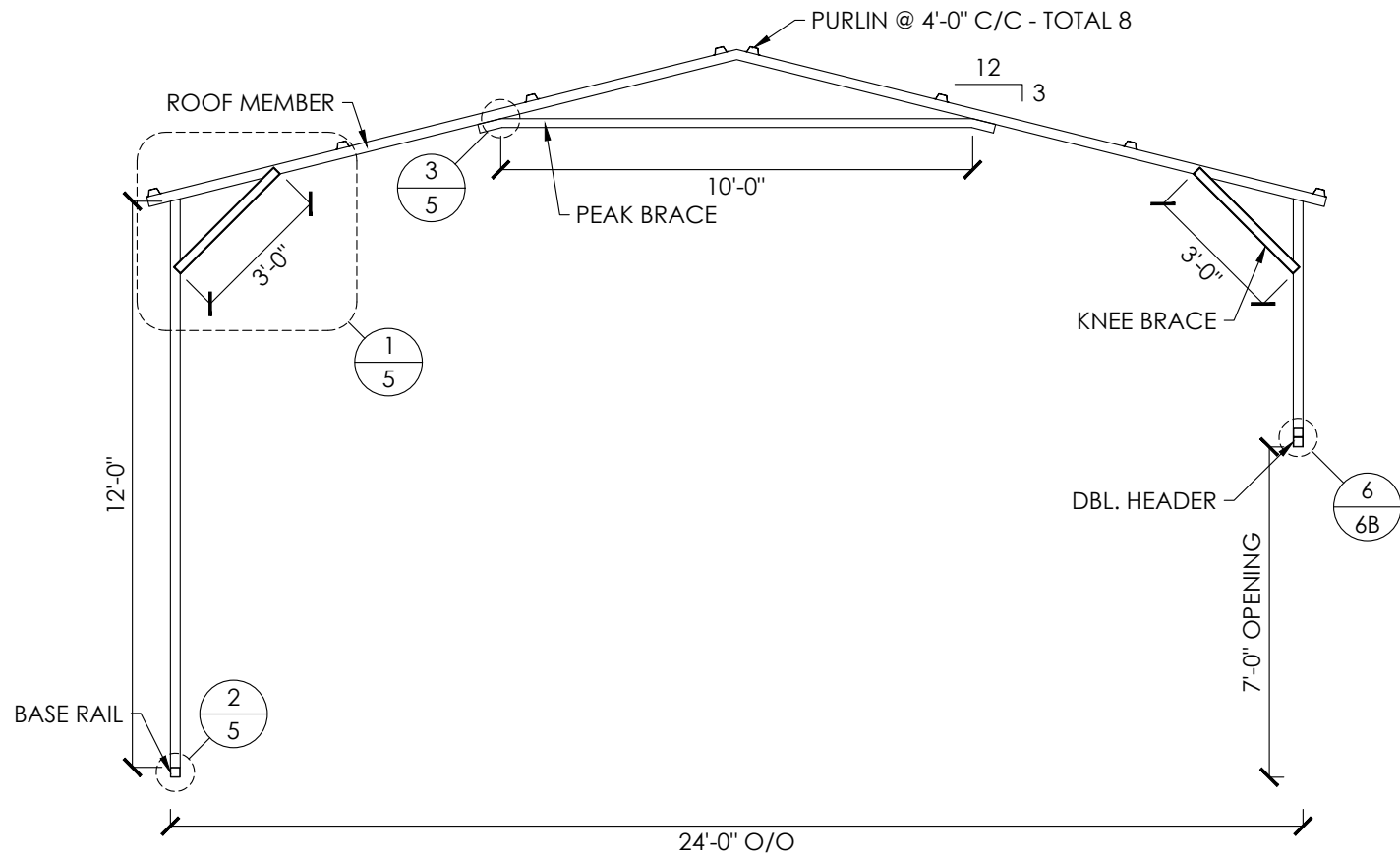
1 FRAME DETAIL
SCALE: 3/4" : 1'



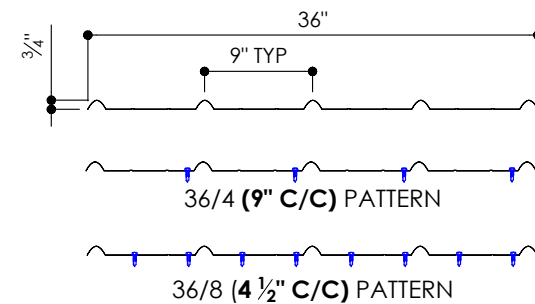
2 BASE DETAIL
SCALE: 3/4" : 1'



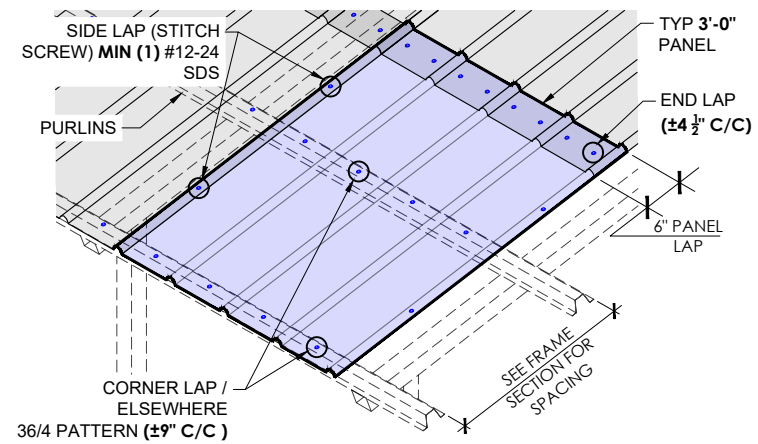
3 PEAK BRACE DETAIL
SCALE: 3/4" : 1'



TYPICAL FRAME
SCALE: 1/4" : 1'



29GA. - 3/4" RIB - CORRUGATED SHEET
SCALE: 3/4" : 1'



SHEATHING FASTENER PATTERN
SCALE: 3/16" : 1'

MEMBER PROPERTIES				
COLUMN POST	2 1/2" SQ. X 14GA TUBE			
ROOF MEMBER	2 1/2" SQ. X 14GA TUBE			
BASE RAIL	2 1/2" SQ. X 14GA TUBE			
PEAK BRACE	2 1/2" SQ. X 14GA TUBE			
KNEE BRACE	2 1/2" X 14GA CHANNEL			
CONNECTOR SLEEVE	2 1/4" SQ. X 12GA TUBE			
PURLINS	4" X 1" X 14GA HAT CHANNEL			
SHEATHING FASTENER SCHEDULE				
LOCATION	CORNER PANEL	SIDE LAPS	EDGE LAPS	ELSEWHERE
SPACING	9" CC	MIN. 1	4 1/2" CC	9" CC

REF. DESIGN NOTE ON **SHEET 2** FOR SHEATHING FASTENER TYPE.

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SIGNED : JUL 31 2026

SHEET NO:
5 OF 7

PROJECT NO:
227-26-2161

DRAWN BY:
BG

DATE:
7/31/2026

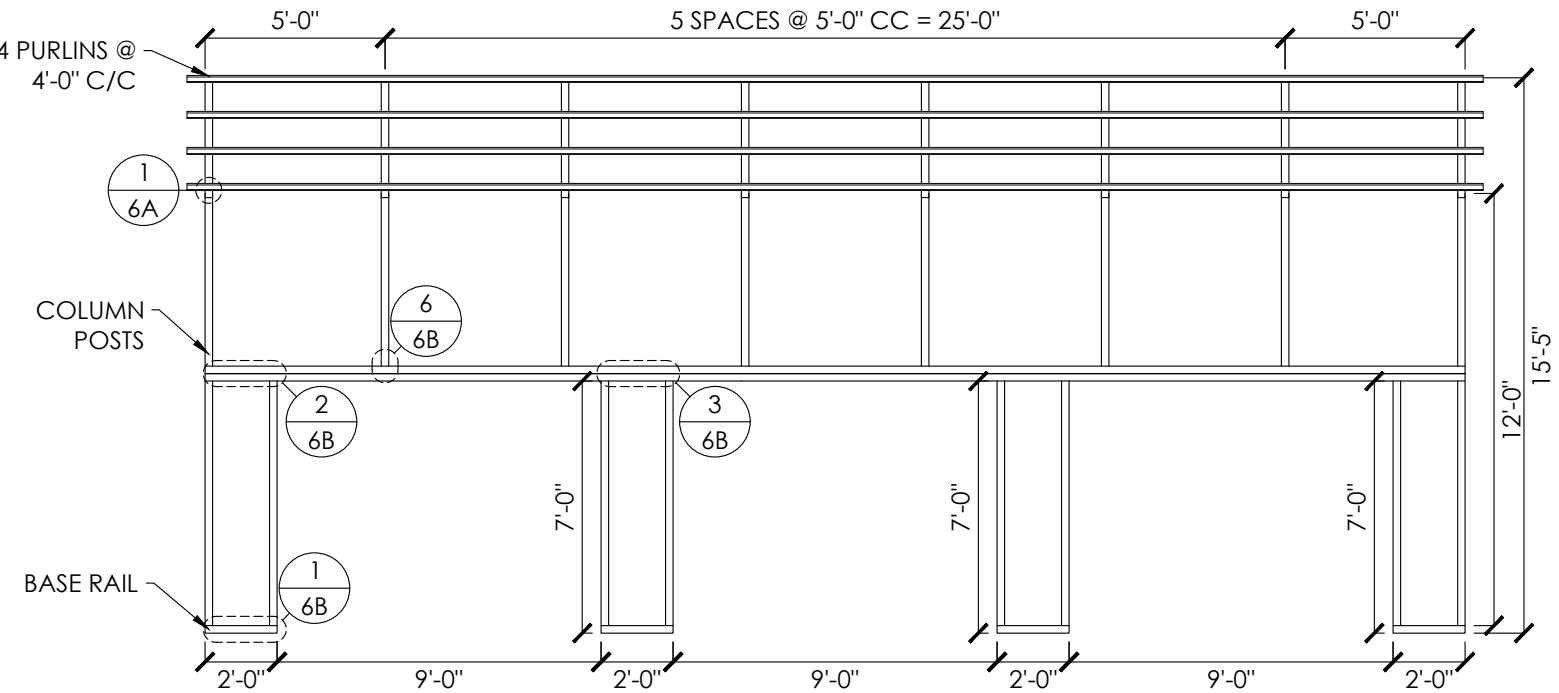
SHEET TITLE:
FRAME SECTION & DETAILS

LOCATION:
1977 ATKINSON ST, DETROIT, MI 48206

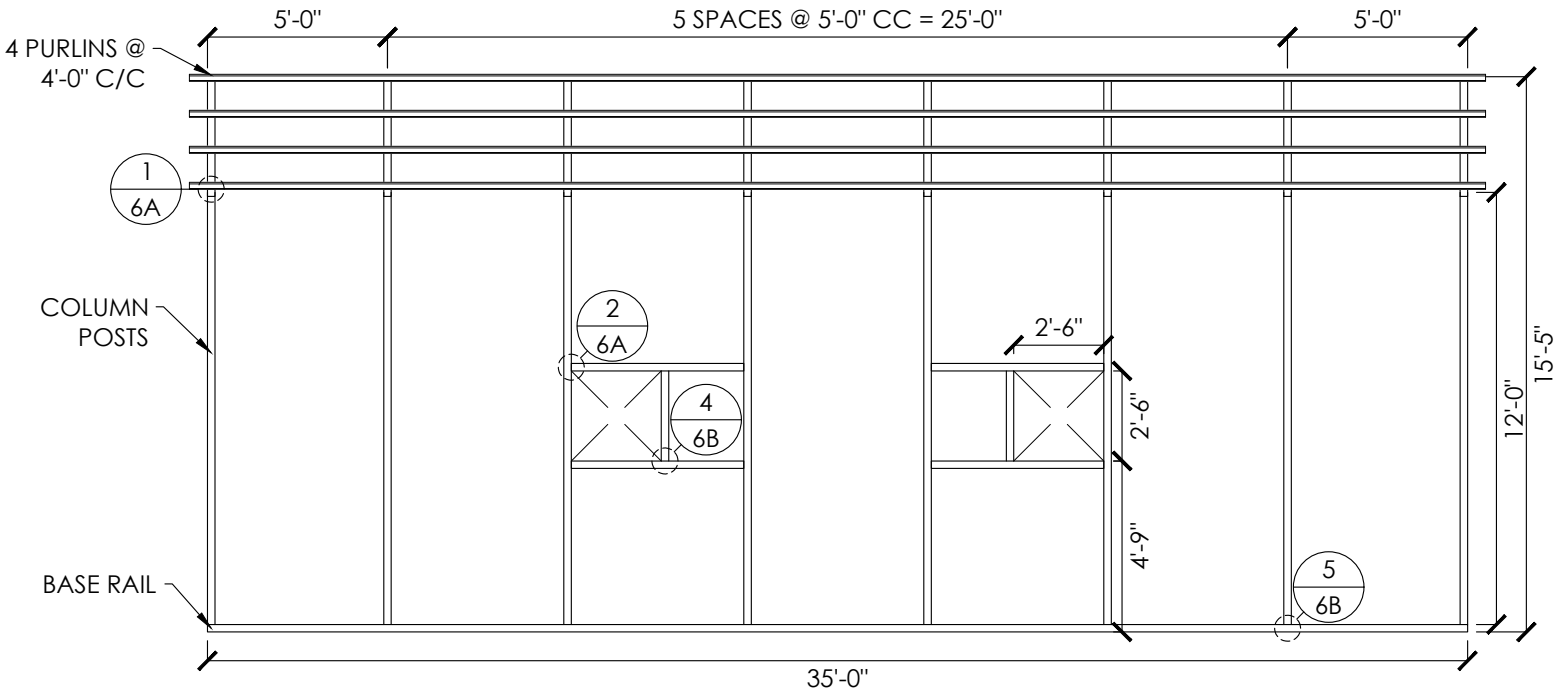
PROJECT TITLE:
IKENNA OKEREKE

METAL BUILDING
MANUFACTURER

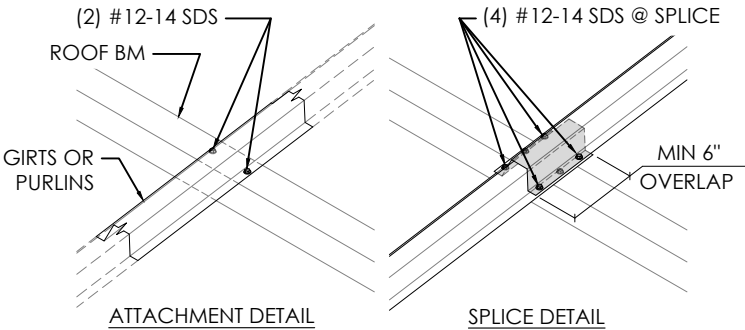
**MIDWEST STEEL**
You Envision. We Build.
13479 S. Mason Drive
Grant, MI 49327
Tel: (616) 675-7060



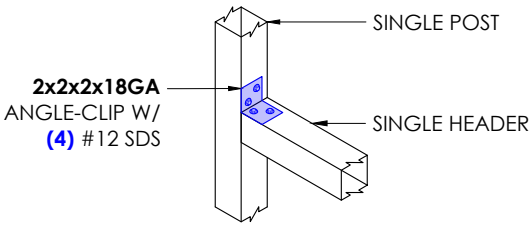
RIGHT SIDE WALL FRAMING
SCALE: 3/16" : 1'



LEFT SIDE WALL FRAMING
SCALE: 3/16" : 1'



1 GIRT/PURLIN DETAIL
SCALE: 3/4" : 1'



2 WINDOW DETAIL
SCALE: 3/4" : 1'

MEMBER PROPERTIES	
SIDE WALL POST	2 1/2" SQ. X 14GA TUBE
BASE RAIL	2 1/2" SQ. X 14GA TUBE
CONNECTOR SLEEVE	2 1/4" SQ. X 12GA TUBE
PURLINS	4" X 1" X 14GA HAT CHANNEL
WINDOW POST	2 1/2" SQ. X 14GA TUBE
DOOR POST	2 1/2" SQ. X 14GA TUBE
DOUBLE HEADER	(2) 2 1/2" SQ. X 14GA TUBE - STITCH WELDED

SHEET NO:
6A OF 7

PROJECT NO:
227-26-2161

DRAWN BY:
BG

DATE:
7/31/2026

SIDE WALL FRAMING & DETAILS

LOCATION:
1977 ATKINSON ST, DETROIT, MI 48206

PROJECT TITLE:
IKENNA OKEREKE

METAL BUILDING
MANUFACTURER

MIDWEST STEEL
You Envision. We Build.

13479 S. Mason Drive
Grant, MI 49327
Tel: (616) 675-7060

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IKENNA OKEREKE
1977 ATKINSON ST, DETROIT, MI 48206

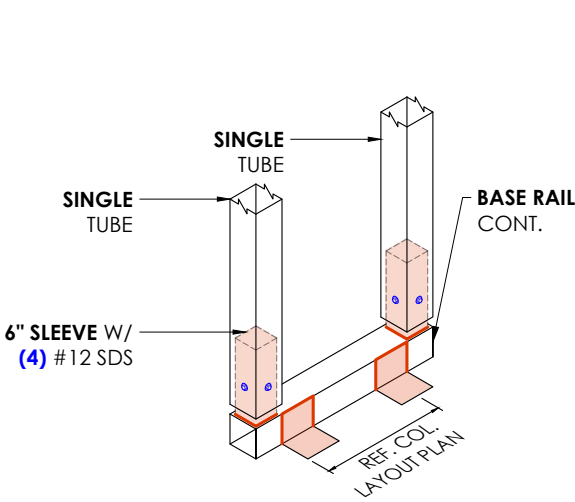
SEAL OF MICHIGAN
ZAHED CADIRI
NO. 6201315019
PROFESSIONAL ENGINEER

SIGNED : JUL 31 2026

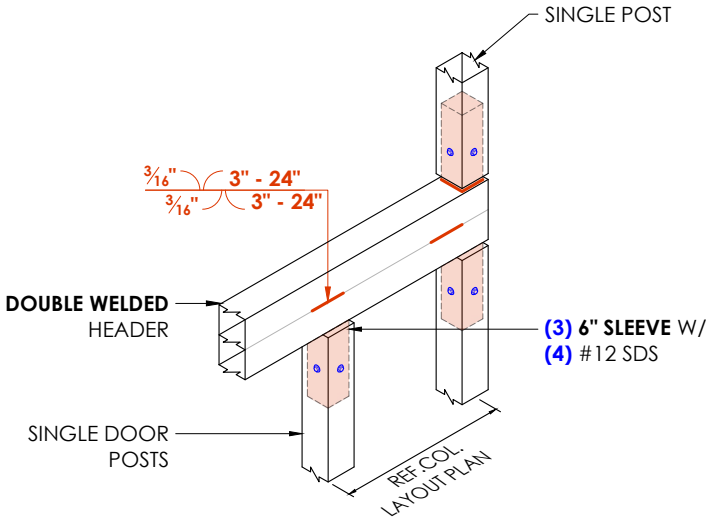
WARNING: Unauthorized copy or use of the seal below is considered forgery subject to legal action to the fullest extent of the law and/or fines.
Checked By: ZSS

IKENNA OKEREKE
1977 ATKINSON ST, DETROIT, MI 48206
ZAHED CADIRI
NO. 6201315019
PROFESSIONAL ENGINEER

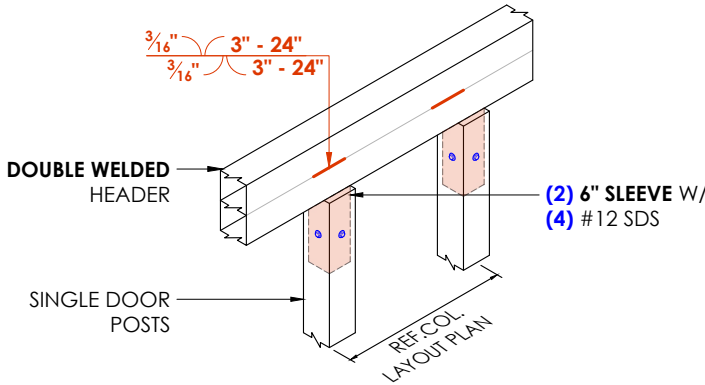
SIGNED : JUL 31 2026



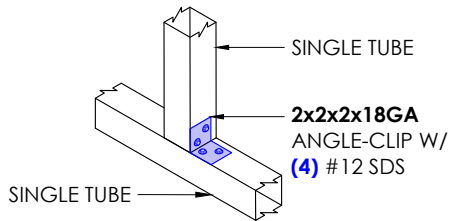
1 DOOR BASE DETAIL
SCALE: 3/4" : 1'



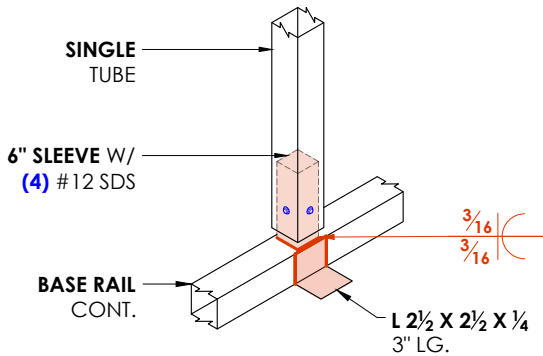
2 DOOR HEADER DETAIL
SCALE: 3/4" : 1'



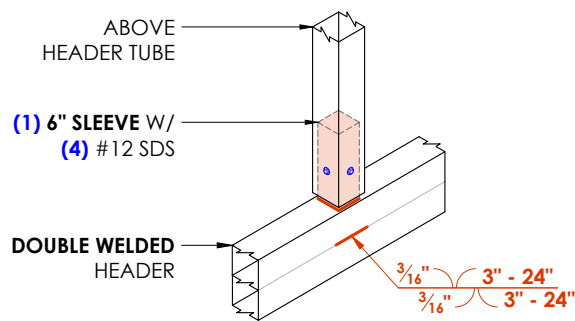
3 DOOR HEADER DETAIL
SCALE: 3/4" : 1'



4 WINDOW DETAIL
SCALE: 3/4" : 1'

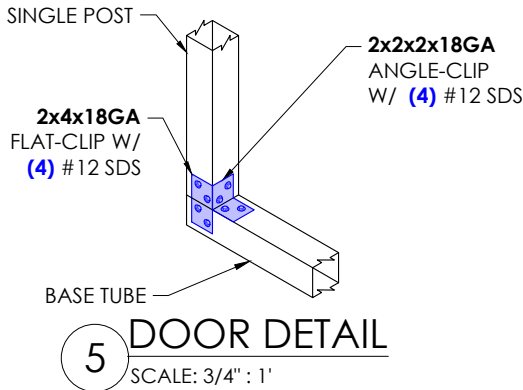
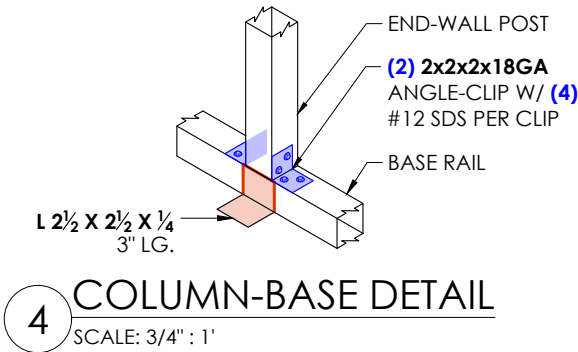
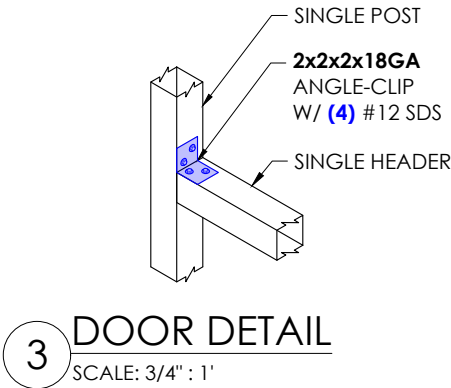
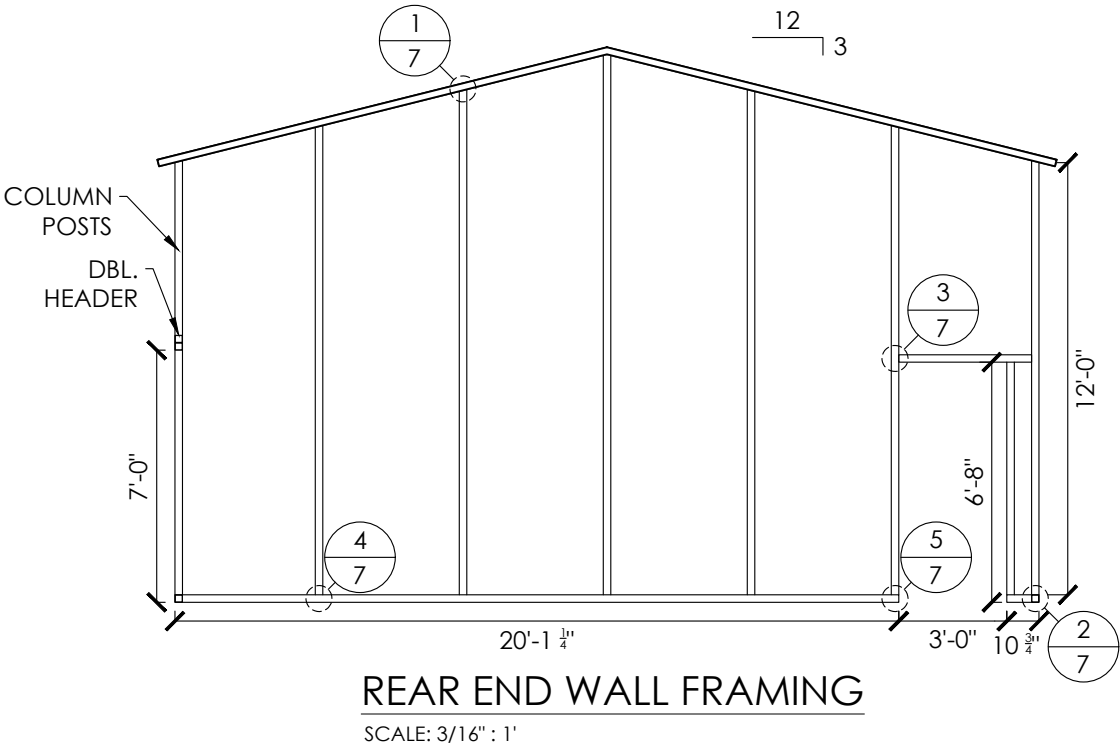
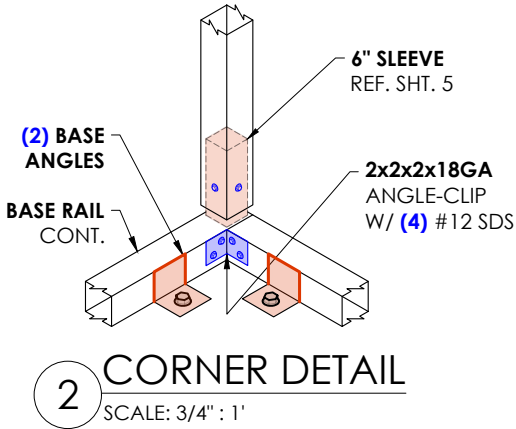
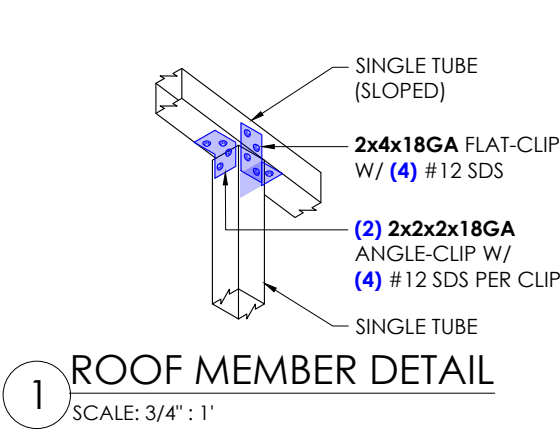
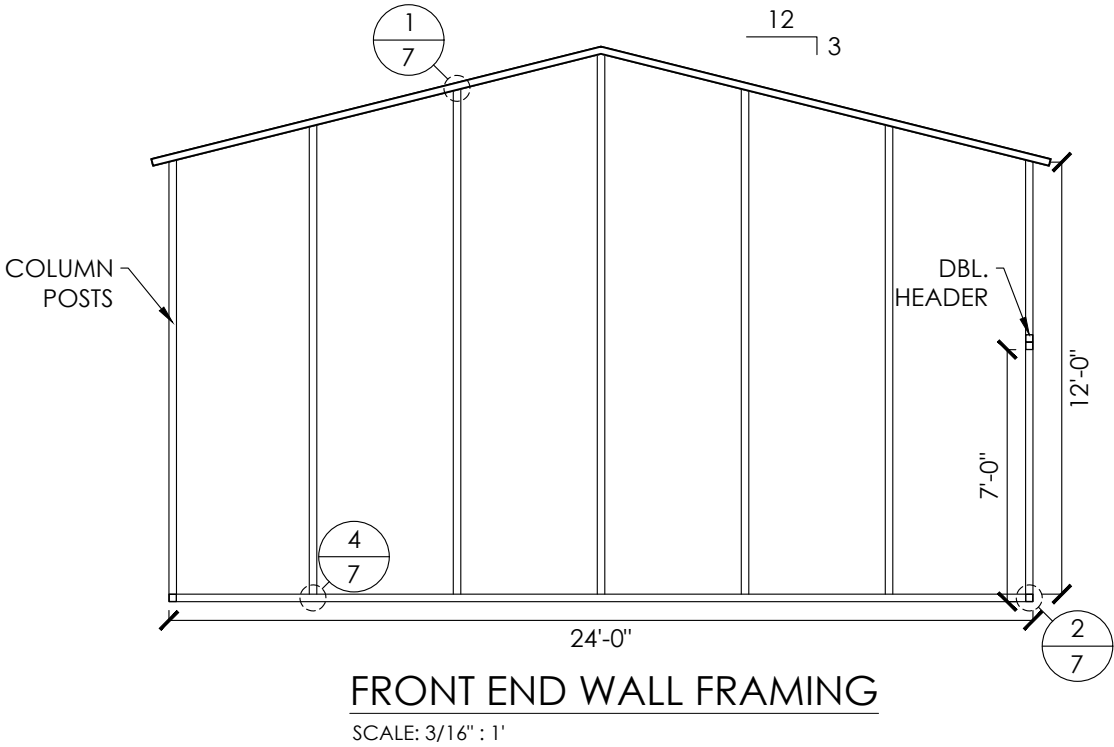


5 COLUMN-BASE DETAIL
SCALE: 3/4" : 1'



6 ABOVE HEADER DETAIL
SCALE: 3/4" : 1'

MEMBER PROPERTIES	
CORNER POST	2 1/2" SQ. X 14GA TUBE
ROOF MEMBER	2 1/2" SQ. X 14GA TUBE
BASE RAIL	2 1/2" SQ. X 14GA TUBE
DOOR POST	2 1/2" SQ. X 14GA TUBE
END WALL POSTS	2 1/2" SQ. X 14GA TUBE



SHEET NO:
7 OF 7

PROJECT NO:
227-26-2161

DRAWN BY:
BG

DATE:
7/31/2026

SHEET TITLE:
END WALL FRAMING & DETAILS

PROJECT TITLE:
1977 ATKINSON ST, DETROIT, MI 48206

LOCATION:
IKENNA OKEREKE

METAL BUILDING MANUFACTURER

MIDWEST STEEL
You Envision. We Build.

13479 S. Mason Drive
Grant, MI 49327
Tel: (616) 675-7060

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Checked By: ZSS



SIGNED : JUL 31 2026





City of Detroit - Planning & Development Department
2 Woodward Avenue, Suite 808
Detroit, Michigan 48226

HISTORIC DISTRICT COMMISSION ADDITIONAL INFORMATION REQUEST

Date: 8/13/26

Application Number: HDC2026-00290

APPLICANT & PROPERTY INFORMATION

NAME: Ikenna Okereke

COMPANY NAME: N/A

ADDRESS: 1977 Atkinson St.

CITY: Detroit

STATE: MI

ZIP: 48206

PROJECT ADDRESS: 1977 Atkinson St., Detroit, MI

HISTORIC DISTRICT: Atkinson Avenue

REQUESTED INFORMATION

We have received your application, but it is not yet complete for review. Please provide additional details based on the comments and questions listed below. Should you need to attach additional files per this request, use the paperclip icons at the end of this form. You may attach up to (5) files per icon up to 25MB:

Thank you for the information and photo. The Commission will need to review this proposal at an upcoming meeting. If the following information can be provided by the end of the day Monday 8/17, the application should be able to be reviewed by the Commission at the September meeting.

Please provide:

--Product cut sheet for the gable vents. What do they look like? What material are they? Are they brown like the siding? You mentioned black trim--is the trim steel painted black? Please provide a photo or illustration of the gable vent.

--Product cut sheet for the windows. What do they look like? Do they open? If so, how do they open? What material are they? What color? You mentioned black trim--is the trim steel painted black? Please provide a photo or illustration of the proposed windows.

--A marked-up site plan that shows:

-----property lines with dimensions,

-----fence with dimensions,

-----house with any rear features like a deck

-----existing concrete and dimensions (including driveway and the concrete area between the house and the rear lot line),

-----new proposed concrete with dimensions, and

-----the garage footprint with dimensions

-----trees or any other features

Your first site plan showed some of these features, but we need to better understand all dimensions and concrete on the whole site/your entire property. Base Unit Tools (<https://baseunits.detroitmi.gov/map>) or Google Maps could provide a base for your map if that's easier. Otherwise, your sketched site plan with these additional features and dimensions added would be fine.

Thank you.

APPLICANT RESPONSE

Response Date: 08/17/2026



Please see attached. The garage company and I have spent nearly 50 hours of work over these past two months to comply with the requests and questions from the HDC. The proposed garage is sound and will increase the property value of the entire neighborhood. I fear that we will continue to have a back and forth and never build this garage, especially as the cold weather is coming. Can someone please call me at 216-403-3036 if this attached information is not enough? Although a garage would benefit the entire community, I am wondering if we should just abandon this project as it has been very difficult to correspond and attempts to answer questions seem to generate many new ones. Thank you for understanding my frustration and fatigue, as I do understand the role of the HDC in protecting the community. Feel free to reach out to me by phone or email anytime to discuss. Thank you.

Ike

Ikenna Okereke, M.D.
Vice Chairman, Department of Surgery
System Director, Thoracic Surgery
Professor of Surgery, Michigan State University
Henry Ford Health System
Detroit, MI 48202
313-916-2698
iokerek1@hfhs.org

Description & Documents

Specifications

Product Type	Gable Vent	Shape	Square
Color	White	Overall Width	14.5 inch
Overall Height	14.5 inch	Overall Depth	1.75 inch
Rough Opening Height	12 inch	Rough Opening Width	12 inch
Ventilation Area	39.6 square inch	Material	Aluminum
Weight	0.63 pound	Shipping Dimensions	14.50 H x 14.50 W x 1.50 D
Shipping Weight	0.6875 lbs	Return Policy	Regular Return (view Return Policy)

Wall louvers are installed in the gable end of the attic. The higher they are placed, the more effective they become as exhaust vents. Wall louvers are not preferred for ventilating an attic, because they provide limited airflow under the roof deck, resulting in "hot spots."

Features

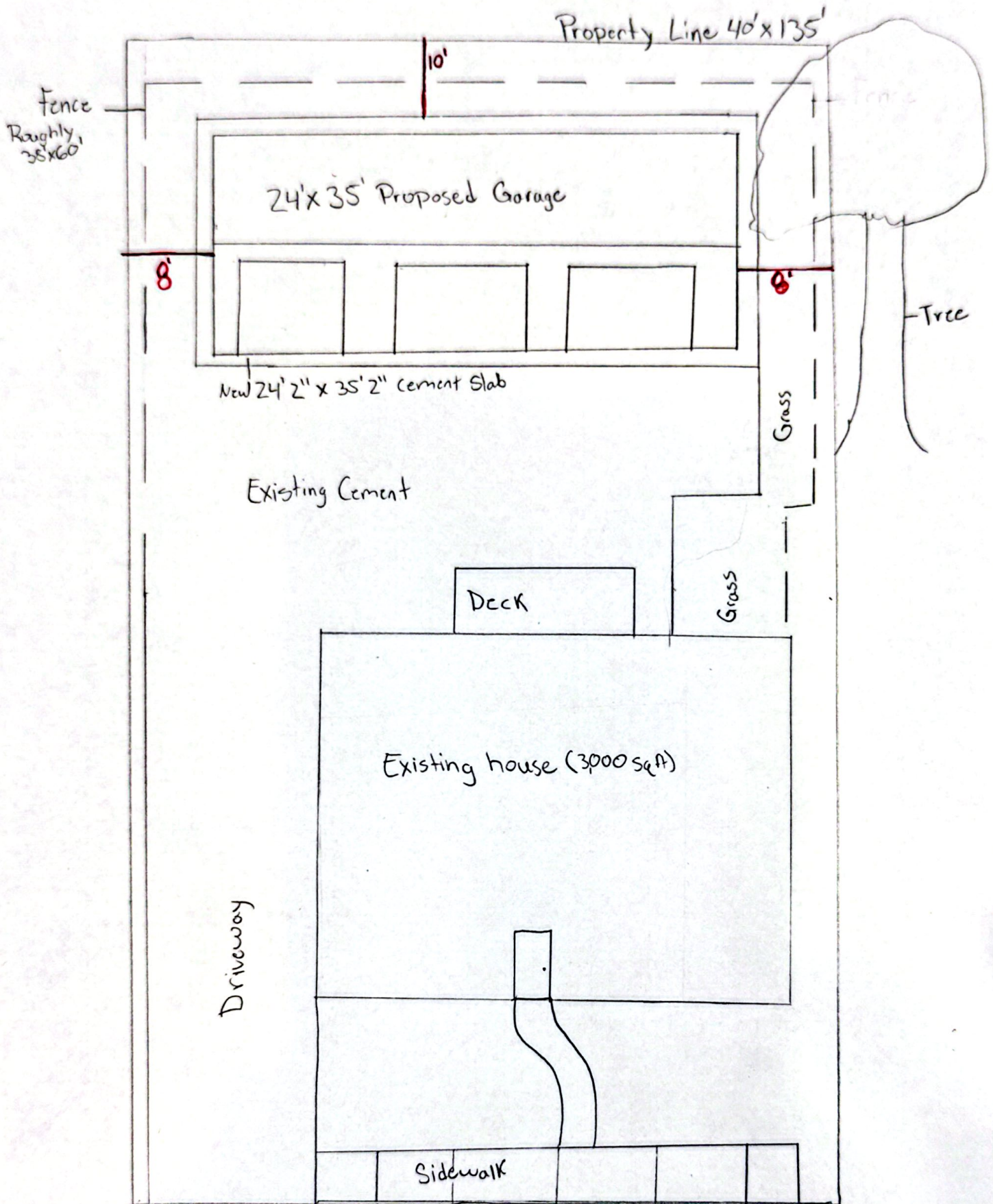
- 39.6 sq in. of net free area per unit
- Exhaust vent
- Wall louver
- Aluminum construction
- Helps maintain a balanced ventilation system
- Flush flange
- No screen
- Helps keep the attic cool in the summer and dry in the winter
- Prevents mold

Additional Resources

[Use And Care Manual](#)

Brand Name: **Air Vent**





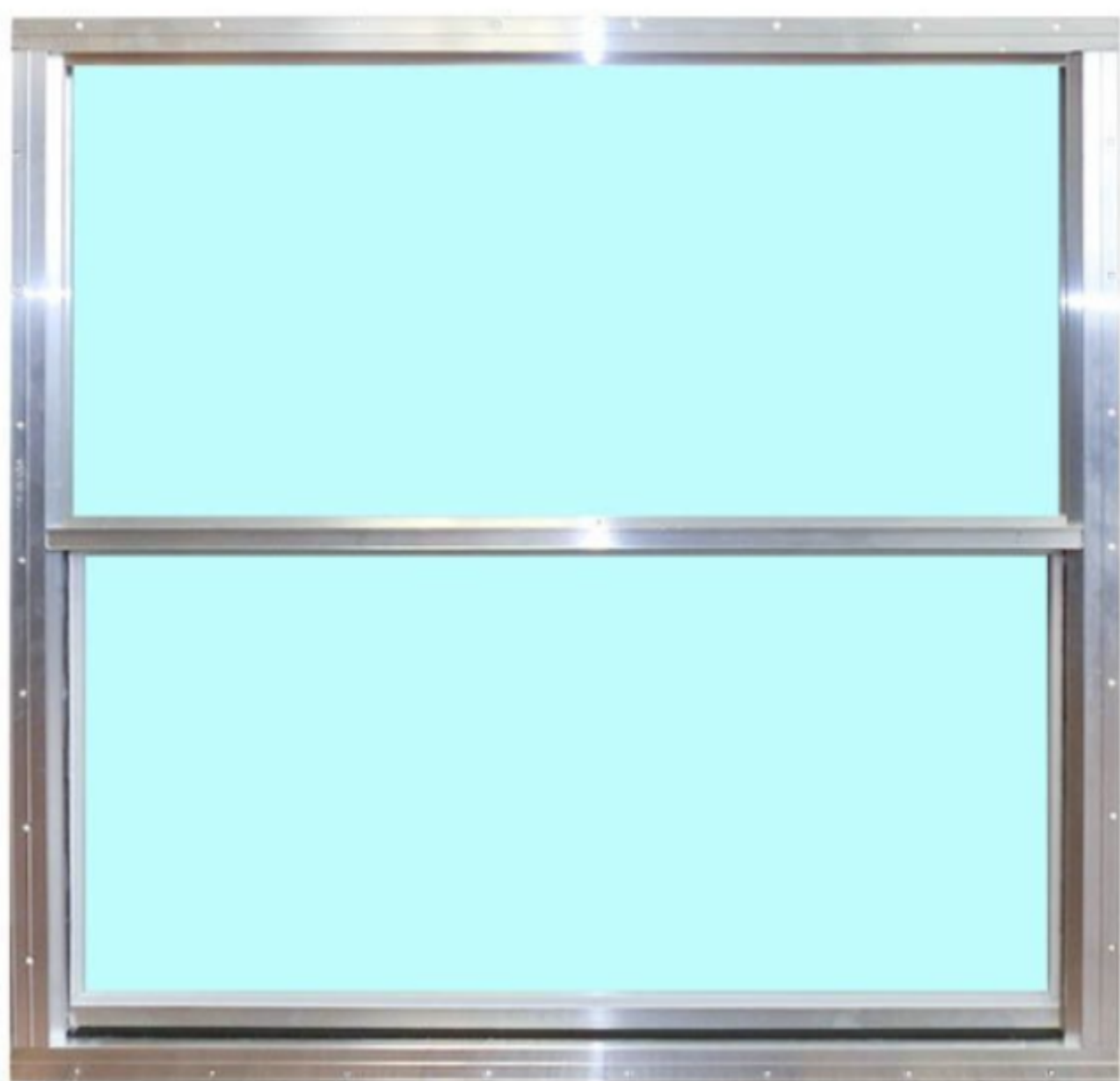
Specifications

Material Type	Aluminum
Product Unit of Measure	Each
Brand	Pocahontas
Length	3"
Width	30"
Supplier Part Number	0403030-0

Description

- 30" x 30" utility window
- Mill finish trim
- Vertical slide action
- Affordable and effective







City of Detroit - Planning & Development Department
2 Woodward Avenue, Suite 808
Detroit, Michigan 48226

HISTORIC DISTRICT COMMISSION ADDITIONAL INFORMATION REQUEST

Date: 6/8/26

Application Number: HDC2026-00290

APPLICANT & PROPERTY INFORMATION

NAME: Ikenna Okereke

COMPANY NAME: N/A

ADDRESS: 1977 Atkinson St.

CITY: Detroit

STATE: MI

ZIP: 48206

PROJECT ADDRESS: 1977 Atkinson St., Detroit, MI

HISTORIC DISTRICT: Atkinson Avenue

REQUESTED INFORMATION

We have received your application, but it is not yet complete for review. Please provide additional details based on the comments and questions listed below. Should you need to attach additional files per this request, use the paperclip icons at the end of this form. You may attach up to (5) files per icon up to 25MB:

Thank you for the application. It is not yet complete.

--Please provide elevation drawings with dimensions for all four sides.

--Please provide a complete site plan showing existing buildings and features, all changes, and landscape features. (This can be hand drawn.)

--Please provide floor plans for the proposed new garage.

--Please provide section drawings if you have them.

--Please provide specifications and product cut sheets for all materials to be used.

--Please provide photos of the area where the garage will be built and a photo of the front of your house so the staff and commission can understand how the proposed new construction will relate to the house.

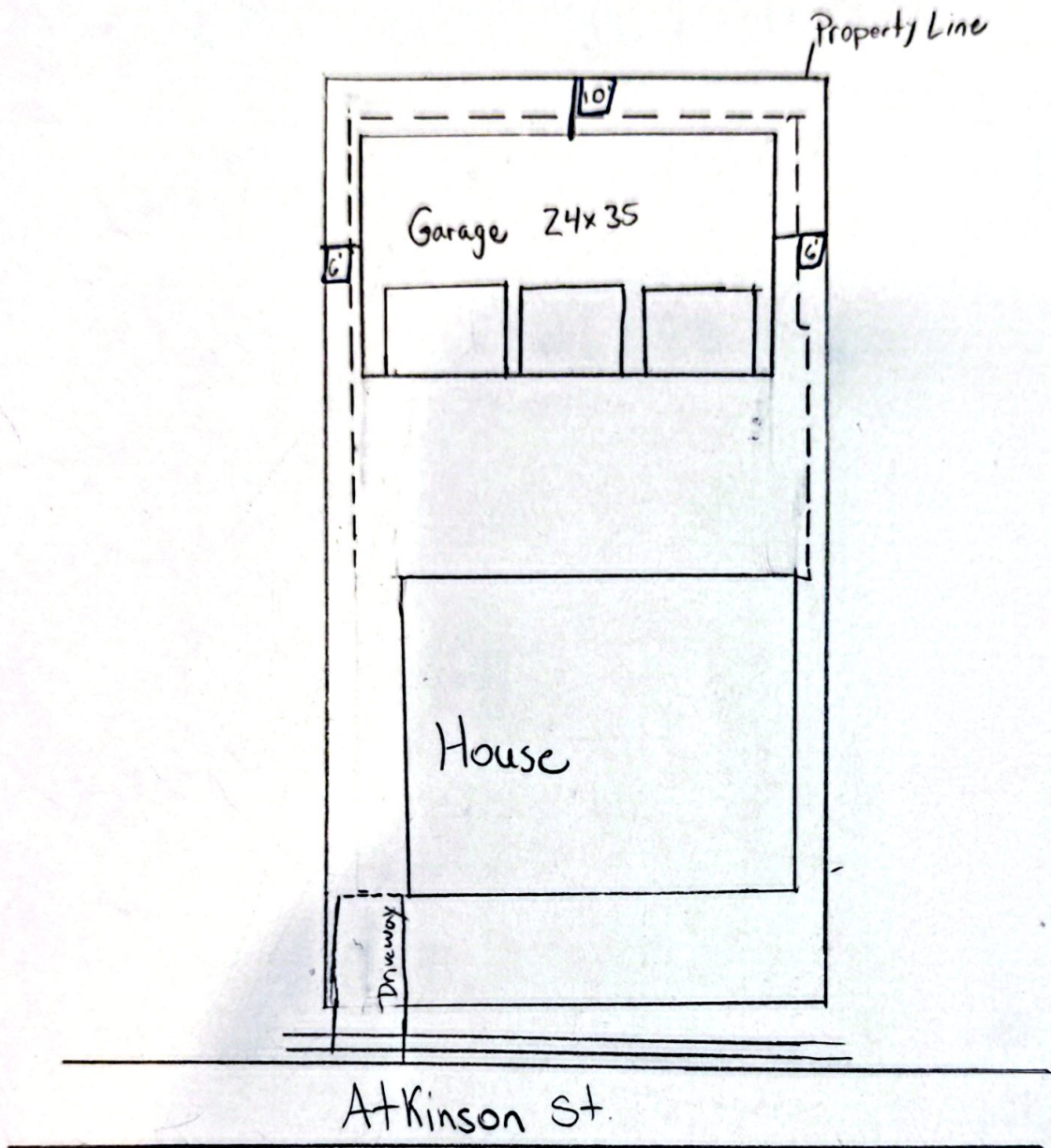
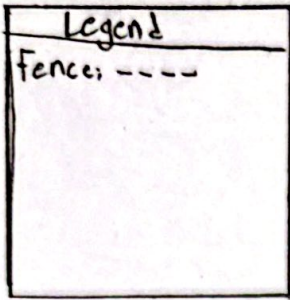
This work will need to be reviewed by the Historic District Commission. The next deadline for complete applications is June 15 for the July 8 meeting. Please let us know of any questions at hdc@detroitmi.gov. Thank you again.

APPLICANT RESPONSE

Response Date: 06/09/2026



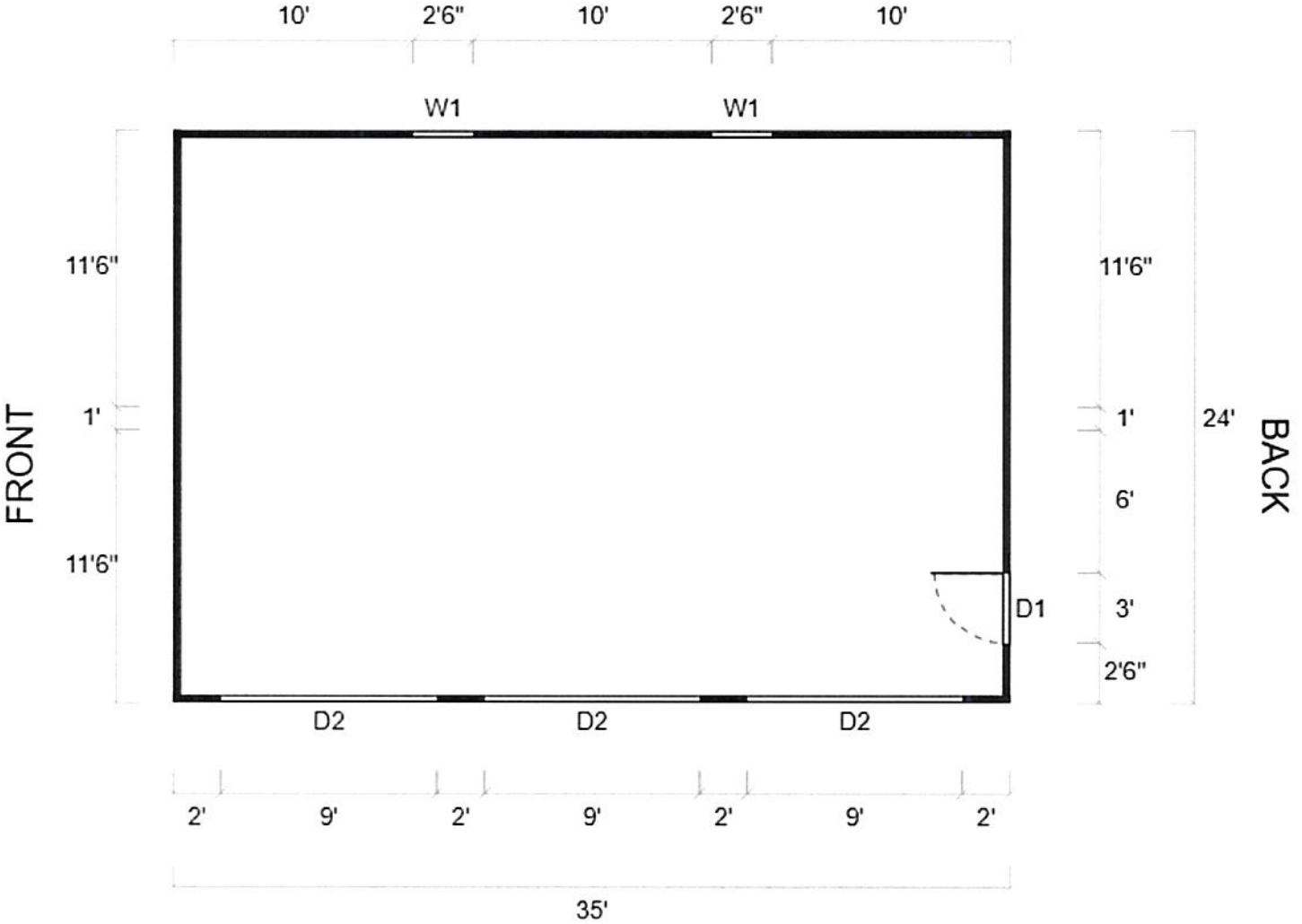
1. We have attached the elevation drawings.
2. We have attached the site plan.
3. WE have attached the specifications and cut sheets.
4. We have attached the photos.



Background Image DocuSign Envelope ID: 364EC520-8D27-8431-818E-2A07E8C4098D			
	Perspective View		Front
	Right Side		Back
	Left Side	Initial 10	

Initial

10



RIGHT SIDE

SYMBOL LEGEND			
	W1	30W x 30H Window	
	D2	9'x7' Garage Door	
	D1	Steel Door (36x80)	
		Closed Wall	



What Happens Next

Down Payment Terms

The down payment secures your project and is non-refundable once received. Our Order Entry Specialist will send you an invoice within 24-48 hours with a detailed breakdown for your records.

Order Processing

Upon receipt of the down payment, your order will be reviewed and a member of our Processing & Scheduling team will contact you within 24-48 hours to begin preparing your order.

Scheduling & Delivery

Installation lead times begin once all required permits are approved and your site is confirmed as ready for installation. Your manufacturing payment is not due until both items are confirmed. Your dedicated Processing & Scheduling team member will guide you through this process.

Thank you for your business, and we look forward to working with you!



13479 S Mason Drive, Grant, MI - (877) 235-5210

Sales Person: Carlos R. Phone: (616) 577-2125 Date: 06/08/2026
 Buyer's Name: Ikenna_Okereke Address: 1977 Atkinson St.
 City: Detroit County: Wayne State: MI Zip: 48202
 Phone: (216) 403-3036 (cell): Email: iokerek1@hfhs.org

Base Price: \$4,100.00

Type: Carport 30 lbs | Width: 24 | Length: 35
 | 14 Gauge | 40 year panel warranty

Height: \$383.00

Height: 9

Roof Style: \$1,466.00

A-Frame \$1,254 (Vertical \$212) | Midnight
 Black w Arctic White trim

Walls: \$1,232.00

Left: Closed | Right: Closed(Horizontal
 siding) | Brown

Ends: \$2,954.00

Front: Closed (\$1,477.00) | Back: Closed
 (\$1,477.00)(Horizontal siding) | Brown

Doors & Windows: \$6,087.00

Front: 1x Vent 12x12 (\$107) | Back: 1x 9-Lite
 Steel Door 36x80 (\$1,100) | 1x Vent 12x12
 (\$107) | Right: 3x Overhead Door W/ Frame
 Out 9x7 (\$1,467 = \$4,401) | Left: 2x Window
 30x30 (\$186 = \$372)

Options: \$543.50

Color Screws (\$585) | Ridge Cap Enclosure
 (\$52.50) | Sealant (\$616) | Foam Enclosure
 (\$593) | Concrete Anchors: 27 (\$297) |
 May Discount (expires 05/29): (-\$1,600)

Total Price: \$16,765.50

Fees: \$0.00

None

Plus Charges that Follow

Plans: | Equipment: | Freight:

All Orders C.O.D.

Quote No: **IKENNA_OKEREKE**

Price: **\$16,765.50**

Additional Fees: **\$0.00**

Non-Taxable Labor: **\$3,689.00**

Tax Rate: **6%**

Tax Amt: **\$784.59**

Total: **\$17,550.09**

Down Payment: **10%**

before taxes: **\$1,677.00**

Plans / Equipment

Return Fee: **\$0.00**

Balance Due: **\$15,873.09**

**If there is a price discrepancy over
 \$20 Midwest Steel Carports
 reserves the right to cancel this
 quote or order*

*Quotes are valid for 5 days only.***

*If building is 32+ wide and/or 13+
 height there would be an equipment
 rental fee that would depend on
 local rates starting at \$1,500 or
 more & an engineer plan fee since
 our generic plans only go up to 30'
 wide and 12 height, these plans
 would need to be paid up front &
 are non-refundable starting from
 \$500 up to \$8,000*

Initial

Customer Initials

Salesperson Signature

**Quote is only valid for the date stated above* | Customer is responsible for permits if needed*

This quote includes delivery and installation unless stated otherwise



Address: 13479 S Mason Dr. Grant, MI 49327
Phone: (877) 235-5210
Email: orders@midweststeelcarports.com

Purchase Order / Invoice

Order No: IKENNA_OKEREKE
 Dealer Name: Carlos R.
 Date: 05/21/2026

Buyer's Name: Ikenna Okereke Email: ikokerek1@hfhs.org
 Buyer's Address: 1977 Atkinson St. City: Detroit State: MI Zip: 48202
 Ph: (216) 403-3036 Cell: _____ County/ Township: Wayne
 Unit Location (if different above) _____

Engineer plans required?			Will you need a permit?		Electricity on site?		Site ready and level?	
☒ Yes	☐ No	☐ Custom	☒ Yes	☐ No	☐ Yes	☒ No	☐ Yes	☒ No
Gauge	Width	Frame Length	Roof Length	Price	Snowload (lbs/sq. ft.):			
☒ 14 Ga.	24	35	36	\$4,100.00	☒ 30 ☐ 40 ☐ 50 ☐ 60 ☐ 70 ☐ 80			
☐ 12 Ga.	Leg Height Size: <u>9</u>			\$383.00	Colors			
Qty	Roof Style	☐ Regular ☐ AF Horizontal ☒ AF Vertical		\$1,466.00	Roof	Midnight Black	Walls	Brown
2	Close Sides	☐ Add Vertical ☐ Partial: _____		\$1,232.00	Trim	Arctic White	2-Tone	
2	Close Ends	☐ Add Vertical ☐ Partial: _____		\$2,954.00	Additional Notes:			
	Gable	☐ Add Vertical ☐ Ext. Gable			Price			
	Roll-Up Door Size: _____							
	Color Upgrade (Std White): ☒ Header Seal			\$0.00				
3	Overhead Door Model & Size: <u>9'x7'</u>			\$4,401.00				
	Color: <u>White</u> ☐ Windows ☐ Insulated							
	Frameout / Header: Size: _____							
	Frameout / Header: Size: _____				Add Ons:			
	Walk-In Door 36x80 MHD (Swing Left Out) ☐ Solid ☐ 9-Lite				☐ Site Leveling			
1	36x80 Steel Door (Swing-In) Color: <u>White</u> ☐ Solid ☒ 9-Lite			\$1,100.00	☐ Build Over Fee			
2	Window	☒ 30x30 Std. ☐ 36"x36" Vinyl Horz. Slide ☐ w/ Grids		\$372.00	☐ Cut Legs on Site			
27	Anchors	☐ Mobile Home ☐ Asphalt ☒ Concrete		\$297.00	☐ Other: _____			
	Wind Certified	☒ Yes ☐ No (Rebar Only)			Financing: Company: _____			
	Radiant Barrier (R-foil)	☐ Roof Only ☐ Roof & Walls			ALL ORDERS COD			
	Condenstop	☐ Roof Only ☐ Roof & Walls			Office			
	Overhang Upgrade	☐ 1' (max)			Subtotal \$16,765.50			
	26g Sheet Metal Upgrade	☐ Panel Loc ☐ R-Loc (Commercial)			Add'l Fees (labor, etc.) \$0.00			
	Roof Pitch	☒ 3/12 ☐ 4/12 ☐ 5/12 ☐ 6/12		\$0.00	Install Over 12' Tall \$0.00			
Y	Colored Screws	☒ Upgrade		\$585.00	Non-Taxable Labor \$3,689.00			
Y	☒ Concrete Sealant	☐ Concrete Sealant Declined		\$616.00	Tax <u>6</u> % \$784.59			
Y	☒ Foam Enclosures			\$593.00	Total \$17,550.09			
2	Vents 12x12 (Std White)			\$214.00	10 % Down Payment \$1,677.00			
	Two-tone (Wainscot vertical only)	☐ Upgrade			Balance Due (COD) \$15,873.09			
CO	May Discount (expires 05/29)			\$(1,600.00)	Non-Refundable Fees Due Upfront			
Y	Ridge Cap Enclosure			\$52.50	Custom Engineer Plans / /			
					Equipment Rental Fees / /			
					Freight / /			
					Installation			
					Date: _____			
					Customer Signature: _____			
					Installer Signature: _____			
					Paying With: CC Check Finance Cash			
					Office Use Only - Payment Method			
					CC #: _____ Check #: _____ Finance _____ Cash _____			
					Received By: _____ Date: _____			

Purchase Agreement & Terms (See reverse side for terms and conditions)

By signing this, customer agrees with all the above unit specifications and terms as stated above and on the reverse side of this document.

Signed by: Ikenna Okereke Date: _____

Customer Signature: _____ Date: _____

Midwest Steel Carports Signature: _____ Date: _____

087A7CD047A640B...

TERMS AND CONDITIONS

1. **Applicability.** All purchase orders placed by a customer ("Customer") with Midwest Steel Carports Inc. ("Company") are subject to these terms and conditions ("Terms"). Any of the following acts by Customer shall constitute Customer's acceptance of these Terms in their entirety: (a) executing the purchase order to which these Terms are attached, (b) accepting delivery of any carports or other products identified in the purchase order, or (c) any other conduct which fairly recognizes the existence of a contract for the purchase and sale of any goods and services. Neither Company's acknowledgement nor performance will constitute acceptance to any terms and conditions attached to or purportedly incorporated into any purchase order or other purchasing document issued by Customer, and any such terms and conditions issued by Customer are specifically excluded and are not incorporated into the parties' agreement. Company hereby objects to any additional or different terms proposed by Customer.

2. **Delivery and Performance Dates; Changes.** Due to numerous factors outside of the Company's control, the Company cannot commit to an exact start or end date for any project. Company shall use reasonable efforts to meet the final delivery and/or performance dates specified in any purchase order, provided that any such dates are estimates only and Company shall not be liable for delays. Without limiting the foregoing, Customer acknowledges that Customer (i) must call its local utility companies to identify any underground cables, gas lines, or utilities in the installation area, (ii) obtain and maintain all necessary permits prior to and for the duration of installation, (iii) level and clear all obstacles, including overhead obstacles (such as trees and shrubs, structures, and other natural or manmade obstacles), prior to Company's planned installation; and (iv) secure any and all pets as Company will not be responsible for any injuries to animals near the installation site. Customer further acknowledges that Customer's failure to prepare the installation site may lead to the following: (a) delays in installation, (b) damages to unmarked cables, lines, or utilities, and (c) if the installation site is not level, clear, or otherwise prepared for installation, and the unit cannot be installed, in the Company's sole determination, (x) a restocking fee equal to the greater of \$100 or 5% of the sale price, and/or (y) an additional labor fee for any required cutting, site leveling, digging, or carrying of materials further than 50 feet. The additional labor fee shall be quoted and accepted by Customer prior to beginning the additional work. Furthermore, Company will not be responsible for unknown conditions discovered on the site, including but not limited to overhead or underground obstructions and soil conditions. If discovered, Company will address such conditions on a case-by-case basis and it may be necessary to review or revise planned installation. Company will provide verbal or written notice of any additional charges or changes necessary to proceed with or complete the installation.

Estimated installation dates subject to change and may be impacted by delays in Customer's failure to prepare the installation site or process required permits. Notwithstanding anything contained herein or the purchase order to the contrary, Company may, from time to time, make reasonable changes to the nature, scope or type of materials without Customer's consent provided that such changes do not materially affect the performance or quality of the units. Any alterations or deviations from the purchase order due to Customer's requirements or request, or due to unknown or undisclosed conditions, that involve extra costs will be completed on a time and material basis and otherwise invoiced in addition to amounts set forth on the purchase order.

3. **Pricing.** Prices for units are set forth on the purchase order and are based on installation under normal conditions. Title and risk of loss shall pass to Customer upon installation. To the extent not provided for in the purchase order, any and all taxes (excluding those based on Company's income) that may

be imposed by any taxing authority on fulfillment of the order shall be paid by Customer to Company upon demand. Prices set forth on the purchase order are valid for up to one year, after which the Company reserves the right to adjust the price in its sole discretion. Published prices by Customer are subject to change without notice and a purchase order is not accepted until countersigned by Company. Company further reserves the right to correct any pricing errors caused by any dealer or supplier. Generic engineered plans are solely for standard buildings. Additional fees will apply to any custom or specific plans as necessary and must be paid in full prior to placing the order.

4. **Payment and Invoicing.** Unless otherwise provided for in the purchase order, Customer shall pay the deposit amount and manufacturing payment set forth in the purchase order; all other amounts are due upon arrival for installation. Deposits are non-refundable under any circumstances. Payment shall be made in United States Dollars, by cash, check, money order, cashier check, or credit / debit card. Company reserves the right to include a transaction surcharge on payments made by credit or debit card. If a check is returned NSF, Customer will be responsible for (i) making prompt alternative payment, and (ii) the payment of any additional fees or penalties incurred by Company. If Customer fails to cure any deficient payment within one week, including the payment of additional fees quoted and accepted, of installation, Company has the right and Customer's permission to repossess the building and charge Customer all applicable charges and fees for setup, delivery, and any legal fees incurred by Company.

Notwithstanding anything contained herein to the contrary, Company may require advance payment from Customer of all or any portion of the amounts due if at any time Company has reasonable doubt as to Customer's credit worthiness and determines there is or may be a substantial risk of nonpayment. In the event Customer fails to make prompt and full payment, Company shall have all the rights and remedies of a contractor, subcontractor, supplier, laborer or secured creditor, as applicable, including under the Michigan Construction Lien Act and Michigan Uniform Commercial Code (or similar laws). Company is hereby granted a power of attorney on behalf of Customer to execute all appropriate documents (including financing statements, notices of interest or similar filings) to perfect and record such security interests.

5. **Important Product Notices.** Customer should be aware of the following:

Condensation. Units are prone to condensation due to natural conditions outside the control of Company. Company does not warrant against, and is not responsible for, any condensation which occurs or damages arising from such condensation. To reduce the buildup of condensation, Company recommends Customer, at its effort and expense, purchases DripStop or install other insulation, with spray foam being recommended.

Doors.

- a. *Roll-up doors.* All roll-up doors are manual doors and must be lifted and lowered by hand. Company advises against connecting roll-up doors to an automatic opener, as it may damage the door. Roll-up doors have a three-inch gap above the doors and its seals are not waterproof. Company will install a header seal at Customer's option for an additional charge. Customer expressly acknowledges that roll-up doors may from time-to-time allow water to seep into the unit.
- b. *Walk-in Doors.* Mobile home vinyl walk-in doors only open to the outside. Steel walk-in doors only open to the inside.

Building Simulations. All simulations are for illustrative purposes only; actual details may vary, including any structural features. Company is not liable for Customer's reliance on the structural features of any building simulation.

Color. Customer is fully responsible for selecting the color of the unit and any change to the color after manufacturing has begun may result in additional charges. The exact color of units on the website depends on each monitor's quality and settings, as a result, the color seen on the website may differ from the color of the unit once installed. Company will provide a color chart on demand. Company is not responsible for any decision relating to the color of the unit based on Customer's perception of any printed materials or the 3D digital simulation or any other resources provided to Customer by Company.

Concrete Sealant Package. Customer has the option to select a concrete sealant package, which includes two different products: (1) Emseal Sealant Tape installed directly beneath the base rail and (2) a polyurethane sealant around the bottom of the base rail. This minimizes the amount of water seepage but cannot eliminate it entirely. Company further recommends control joints in concrete be filled with a control joint filler product. Company does not control and cannot be held liable for any seepage stemming from control joints.

Foam Gap Enclosures. Foam gap enclosures are dense polyethylene closures that adhere to the ridges in steel panels. Foam gap enclosures minimize the open area between two ridges in which small bugs or insects can enter, and reduce, but not eliminate, light from entering the unit.

6. **Limited Warranty.** Company warrants to Customer as follows:

Rust.

- c. Framing materials on 12-gauge units against rust-through, assuming normal user care and maintenance, for a period of 20 years following the installation of the unit.
- d. Framing materials on 14-gauge units against rust-through, assuming normal user care and maintenance, for a period of 7 years following the installation of the unit.

Paint. roofing and siding panels against cracking, peeling, or checking for a period of 40 years following the installation of the unit. This warranty does not cover (i) minute fracturing, which may occur in properly fabricated building parts; (ii) failures due to substrate corrosion, (iii) color fading or changes upon exposure to the elements.

Hassle-Free Workmanship. For a period of one year following installation of the unit, any defects caused by poor workmanship, normal wear and tear excepted, and assuming recommended care and maintenance is followed. Roof leaks are generally considered a defect; provided, however, this shall not apply to structures longer than 36 feet (which do not have vertical roofs). No warranty is provided for leaking at a base rail or under doors.

Wind. For a period of twenty years following installation of the unit, any damage caused by wind (but excluding damages caused by objects or debris blown into the unit); provided, that Customer has directed Company to install all required optional anchors (whether concrete, mobile home, or asphalt). If the required numbers of anchors are not installed, either at Customer's direction or because of impossibility on a given installation site, this warranty shall not apply.

Company's sole liability to Customer, and Customer's sole remedy under the foregoing warranties is limited to the replacement of or re-performance thereof of only the equivalent non-conforming aspects.

If Company, in its sole discretion, determines such replacement or re-performance is commercially unreasonable, Company shall refund Customer's purchase.

SPECIFICALLY EXCLUDED FROM THE FOREGOING WARRANTIES ARE THE FOLLOWING, FOR WHICH COMPANY SHALL HAVE NO LIABILITY WHATSOEVER: for (i) damages or defects caused by unauthorized installation by Customer (including the installation of plumbing, electricity, or HVAC units, alteration, repair, maintenance (including failure to provide appropriate maintenance), storage, handling, use or operation by Customer or any third party; (ii) damages or defects caused by any underlying, adjoining or adjacent structure, surface, subsurface or foundation or condition, equipment, component, system, or assembly not manufactured or sold by Company ("Third-Party Component(s)"); or (iii) damages or defects attributable to or caused by (A) misuse, neglect, accident, abuse, or vandalism, (B) acts of God or insurrection, (C) normal wear and tear (including reasonable damage to a Customer's lawn or landscaping (including hardscaping) resulting from Company's or its subcontractors' operation of heavy equipment), (D) unusual, harmful fumes or foreign substrates in the atmosphere, standing water, or salt spray; (E) installation on a pre-existing concrete slab unless expressly approved by an authorized representative of the Company; or (F) any other acts that are beyond Company's reasonable control.

THE WARRANTIES SPECIFIED IN THIS SECTION ARE EXCLUSIVE AND ARE GIVEN AND ACCEPTED IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THE REMEDIES OF CUSTOMER SHALL BE LIMITED TO THOSE PROVIDED HEREIN TO THE EXCLUSION OF ANY AND ALL OTHER REMEDIES. NO AGREEMENT VARYING OR EXTENDING THE FOREGOING WARRANTIES, REMEDIES OR THIS LIMITATION WILL BE BINDING UPON COMPANY UNLESS IN WRITING AND SIGNED BY A DULY AUTHORIZED OFFICER OF COMPANY. NO STATEMENT, PROMISE, OR ADVICE BY ANY COMPANY AGENT, RESELLER, PARTNER, SUBCONTRACTOR OR OTHER THIRD PARTY, WHETHER ORAL OR WRITTEN, INCLUDING MARKETING MATERIALS, CREATES ANY REPRESENTATION OR WARRANTY OR OBLIGATION OF COMPANY UNLESS EXPRESSLY SET OUT IN THESE TERMS AND CONDITIONS. WHERE APPLICABLE LAW DOES NOT ALLOW CERTAIN DISCLAIMERS, THIS PROVISION APPLIES TO THE MAXIMUM EXTENT PERMITTED BY LAW.

7. **Limitation of Liability.** IN THE EVENT ANY REMEDY HEREUNDER FAILS OF ITS ESSENTIAL PURPOSE AND MONETARY DAMAGES MAY BE IMPOSED, COMPANY'S LIABILITY, WHETHER FOUNDED IN CONTRACT, TORT (INCLUDING NEGLIGENCE), OR OTHERWISE, ARISING OUT OF OR RESULTING FROM (a) A PURCHASE ORDER, THE TERMS, OR ANY PERFORMANCE OR BREACH THEREOF, (b) THE DESIGN, MANUFACTURE, DELIVERY, RECEIPT, SALE, REPAIR, REPLACEMENT OR USE OF THE UNITS, AND/OR (c) THE FURNISHING OF ANY SERVICES, SHALL NOT EXCEED THE TOTAL PRICE OF THE UNIT AND INSTALLATION AT ISSUE IN THE CLAIM, EXCEPT IN THE CASE OF COMPANY'S GROSS NEGLIGENCE AND/OR WILLFUL AND INTENTIONAL MISCONDUCT.

IN NO EVENT SHALL COMPANY BE LIABLE TO CUSTOMER OR ANY OTHER PERSON FOR ANY INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, PUNITIVE OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, OPERATIONS SHUTDOWN OR OTHER BUSINESS INTERRUPTION EXPENSES, DAMAGES TO AND/OR ARISING IN CONNECTION WITH ANY THIRD-PARTY COMPONENT(S), INJURY TO REPUTATION OR LOSS OF CUSTOMERS, RECALL, OR REMOVAL.

8. **Indemnification; Representations.** To the fullest extent permitted by law, Customer expressly agrees to indemnify and hold harmless Company and its equity holders, officers, directors, employees, agents, successors and assigns ("Indemnitees") and defend the Indemnitees from and against any and all claims, liabilities, lawsuits, losses, costs, expenses or damages (including attorneys' and other professionals' fees) of any kind or nature whatsoever, including claims for personal injury (including death) or property damage, whether such claims are premised on contract, tort or otherwise, including strict liability, which arise out of or result from, or are in any way related to these Terms or Company's performance thereunder, except to the extent of Company's willful misconduct or gross negligence. Customer represents and warrants that it (i) is the fee owner of the property upon which the unit is being installed, (ii) it has the power and authority necessary to enter into the purchase order and consummate the transaction contemplated thereby, and (iii) agrees that the purchase order, once duly executed and delivered by each party, will represent a valid and legally binding obligation of the Customer, enforceable against it in accordance with its terms.
9. **Termination.** Prior to installation, Company may terminate a purchase order, with or without just cause, at any time upon written notice to Customer. Customer may terminate the purchase order only upon material breach by Company which remains uncured for sixty (60) days after notice of such breach; provided, however, Customer may not terminate in the event Company is in good faith working towards curing such breach at the expiration of such sixty (60) day period.
10. **Customer Specifications.** Customer shall be solely responsible for the accuracy and completeness of all measurements and specifications provided to Company for any after-market accessories (e.g., window cut outs). Company will manufacture the building in reliance upon such measurements and information and will not be liable for any errors, defects, or nonconformities resulting from inaccurate or incomplete measurements or specifications supplied by Customer.
11. **Customer Communication.** By using Company's services or providing Customer's contact information, Customer consents to receive communications from Company via phone call, text message, and email for purposes related to Customer's account, transactions, customer service, and, where permitted, marketing. Standard messaging and data rates may apply for text messages. Customer may opt out of marketing communications at any time, but Company may still send non-promotional messages related to Customer's account or ongoing use of services. Company records all calls for training and quality purposes.
12. **Confidentiality.** Any and all information, in whatever form transmitted, and items embodying information (including photographs, samples, models, prototypes) disclosed by or on behalf of Company to Customer or to which Customer is exposed, including methods, procedures, processes, technologies, know-how, trade secrets, ideas, inventions, drawings, specifications, product data, designs, business plans, marketing plans, business operation information, financial information, pricing information, strategies, and any representations, compilations, analysis, and summaries of the foregoing ("Confidential Information") shall be held by Customer in strict confidence and used solely for the purpose of doing business with Company. Customer shall not disclose or transfer any of Company's Confidential Information, either directly or indirectly, to any other person or entity without the written consent of Company.
13. **Force Majeure.** Company shall not be liable for any failure to perform or delay in performance or warranty when caused by acts of God, compliance in good faith with any applicable foreign or domestic government regulation or order, fires, floods, windstorms, other natural disasters, epidemic, pandemic or similar health crises, riots, wars, labor disputes (including strikes or lockouts), inability to obtain

power or other utilities, components, materials, transportation, or equipment or any other cause beyond the reasonable control of Company.

14. **Assignment.** Customer may not assign the purchase order, in whole or in part, without the prior written consent of Company. Any attempted assignment or subcontracting by Customer without such consent shall be ineffective and will not relieve Customer of its duties or obligations hereunder. In the event of a proper assignment, these Terms shall be binding upon and inure to the benefit of Customer's successors and assigns. Company may subcontract all or any part of its obligations under the purchase order or these terms without notice, provided, Company shall at all times remain liable for the performance of such subcontractors.
15. **Relationship of the Parties.** Customer and Company are independent contractors, and nothing contained herein makes either party the agent or legal representative of the other party for any purpose. Neither party has authority to assume or create any obligation on behalf of the other party.
16. **Arbitration; Jury Waiver. PLEASE READ THIS SECTION CAREFULLY – IT MAY SIGNIFICANTLY AFFECT CERTAIN LEGAL RIGHTS, INCLUDING THE RIGHT TO FILE A LAWSUIT IN COURT AND TO HAVE A JURY HEAR CLAIMS. IT CONTAINS PROCEDURES FOR MANDATORY BINDING ARBITRATION AND A CLASS ACTION WAIVER.**

Any dispute or claim arising out of or relating to these Terms or a purchase agreement (whether based in contract, tort, statute, fraud, or any other legal theory) will be resolved by binding arbitration in accordance with this Section 16. The parties agree to proceed to binding arbitration in accordance with the then current Commercial Arbitration Rules of the American Arbitration Association (AAA), as modified by these Terms. The AAA rules and instructions for how to initiate an arbitration are available from AAA at <https://www.adr.org/Rules>. Any arbitration will be conducted by a single arbitrator and held in Grand Rapids, Michigan or another mutually agreed location. Judgment on any arbitration award may be entered in any court having proper jurisdiction.

An arbitrator may award on an individual basis any relief that would be available in a court, including injunction or declaratory relief to the extent required to satisfy your individual claim, and must follow and enforce these Terms as a court would – including enforcing the Company's right to repossession of a structure. The arbitrator shall issue a written and reasoned award and statement of decision describing the essential findings and conclusions on which the award is based, including the calculation of any damages awarded. The award of an arbitrator is final and binding on Customer and Company.

Customer agrees that any proceeding, whether in arbitration or court, will be conducted only on an individual basis and not in a class, consolidated, or representative action. Neither Customer nor any other person can be a class representative, class member, or otherwise participate in a class, consolidated or representative proceeding. If a court or arbitrator determines in an action between Customer and Company that this class action waiver is unenforceable, the arbitration agreement will be void as to you.

THE PARTIES HEREBY WAIVE THEIR CONSTITUTIONAL AND STATUTORY RIGHTS TO GO TO COURT AND HAVE A TRIAL IN FRONT OF A JUDGE OR JURY, instead, electing that all claims and disputes shall be resolved by arbitration. If for any reason a claim proceeds in court rather than through arbitration, CUSTOMER AND COMPANY WAIVE ALL RIGHTS TO A JURY TRIAL, instead electing that the dispute be resolved by a judge.

17. **Governing Law; Jurisdiction.** Except to the extent the Federal Arbitration Act or any other state arbitration act applies, the formation, construction, interpretation, and enforceability of the Terms and all claims arising from or relating to the Terms or a purchase order shall be governed by Michigan law,

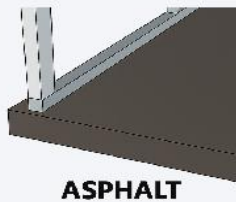
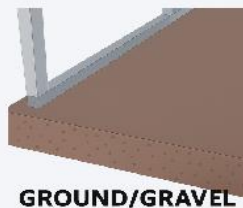
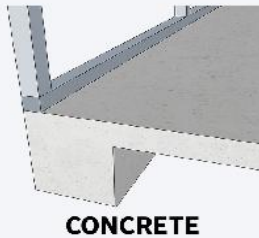
without giving effect to any choice of law or conflicts of law rules or provisions that would cause the application of the laws of any jurisdiction other than the State of Michigan. If for any reason and to the extent that any claim is determined not to be subject to the arbitration provisions contained herein, the parties hereby irrevocably and unconditionally submit to the exclusive jurisdiction of the applicable state and federal courts of the State of Michigan, County of Newaygo.

18. **Attorney Fees.** Customer shall pay Company's attorneys' fees and costs incurred in enforcing any provision of these Terms.
19. **Statute of Limitations.** Any legal action arising out of or related to a purchase order or these Terms, whether alleging breach of warranty or other breach, default or tortious act by Company must be brought by Customer, or any other person making a claim, within two (2) years after the date of the installation of the unit, or one (1) year after Customer or such person could reasonably have discovered the basis for the action, whichever comes first.
20. **Waiver.** No waiver shall be effective unless it is in writing. The failure of Company to require performance under any provision of these Terms shall in no way affect Company's right to require full performance at any subsequent time, nor shall the waiver by Company of a breach of any of such Terms constitute a waiver of any other breach of the same or any other term.
21. **Severability; Survival.** If one or more provisions of these Terms should be or become invalid or unenforceable, the remaining provisions shall remain in full force and effect, and the parties shall substitute the invalid or unenforceable provision with a valid provision that, as closely as possible, achieves the same business purpose as the invalid or unenforceable provision. These Terms shall survive and continue in full force and effect following the expiration, cancellation or termination of the purchase order.
22. **Entire Agreement; Headings.** The purchase order and Terms combine to contain the entire understanding of the parties and is intended as a final expression of their agreement and a complete statement of the terms thereof, and may not be amended, modified or otherwise supplemented unless any such amendment, modification, or supplementation is done in writing and signed by authorized representatives of each party; provided, however, that notwithstanding the foregoing, the parties hereby acknowledge and agree that Company may modify these Terms from time to time by posting revisions to Company's website at <https://midweststeelcarports.com/terms-and-conditions> (or any successor thereto), and such modified Terms shall apply to any revised or future purchase orders. Section headings are provided for the sake of convenient reference only and are entirely without effect.



Installation Preparation

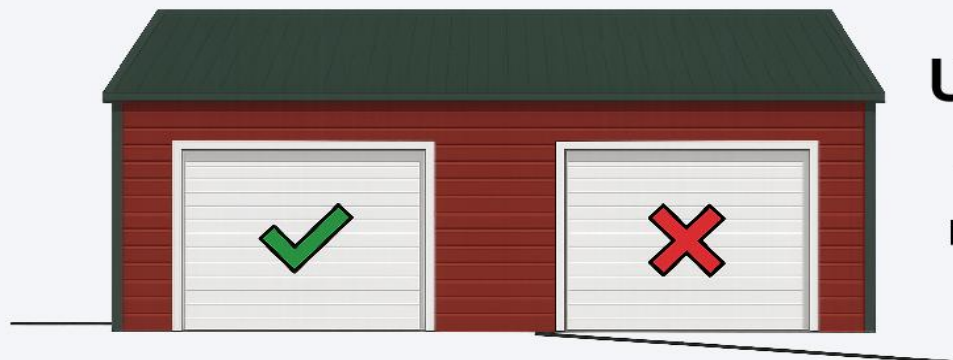
Is your site level?



Your site must be level prior to arrival or the building will not be installed, or, you may incur additional fees.

Additional fees may be incurred due to: leveling the site, building over obstacles, cutting material by hand, restocking material, special requests, etc.

Your site must be clearly marked to identify where your structure should be placed



Unleveled Site?

We cannot guarantee proper door closure on unlevel surfaces.

Initial
10



SHARP CURVE



STEEP HILL



LIMITED SPACE

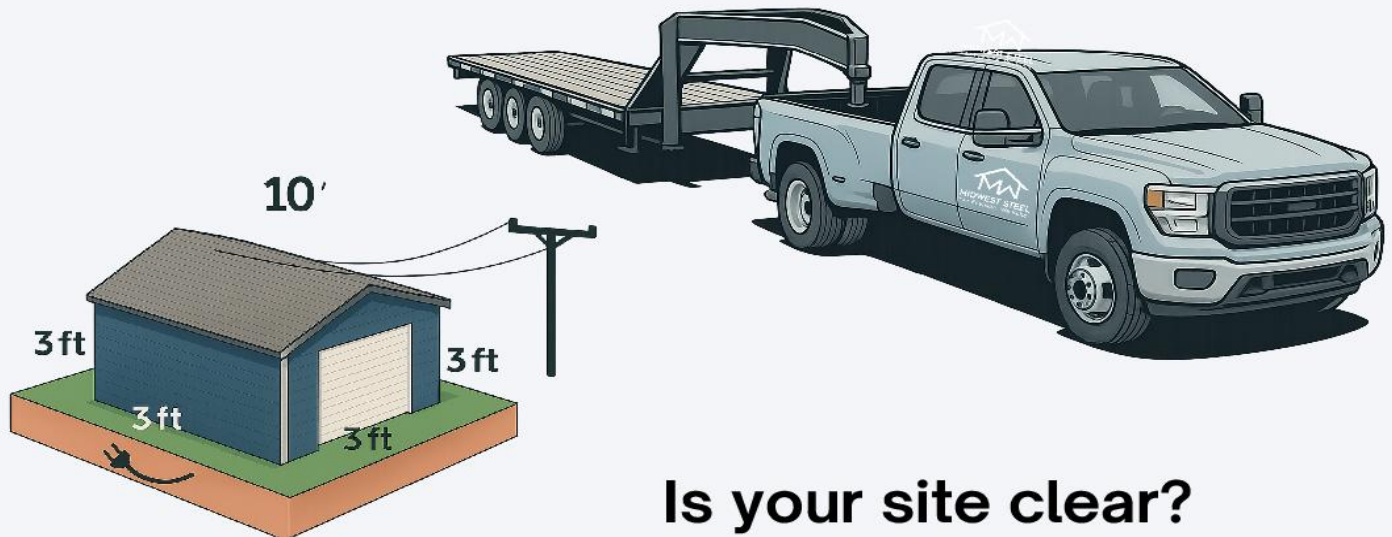
Installation Preparation Agreement

By signing below the customer agrees to above statements and is responsible for any additional fees.

Customers initials: *10*
Date: _____

Is your driveway narrow?

Are there any steep hills, two-tracks, sharp curves, or gates that may hinder our crews' entry? Your building will arrive on a dually pickup truck with a trailer approximately 60 feet long, 10 feet wide, and 9 feet tall, so it's important to ensure there is ample space to access the job site, unload, and turn around. Please note that additional fees may apply if materials need to be carried more than 50 feet to the installation site.



Is your site clear?

Your site must be clear of any debris, vegetation, and overhead/underground obstructions. We require a minimum of 3' all around the building and 10' clearance from any overhead lines at all times.

Call MISS DIG (811) or your local utility service

Underground

- Gas Lines
- Power Lines
- Utility Lines



PRE- INSTALLATION CHECKLIST

- ☐ **Prepare a level lot:** Lot must be level and square in order to receive installation and avoid labor charges.
- ☐ **Mark any utility lines** running underneath the planned installation site. If you don't know where the utility lines run, call your local utility service to mark the lines.
- ☐ If you are planning to have your building installed on concrete retaining walls, **please contact us**, to discuss installation options, as these installs are addressed on a case by case basis.
- ☐ **Move all obstacles** in and around the installation site such as cars, RV's, and debris to avoid a build-over fee. Remember an install crew needs at least *3 feet all around the building* to work.
- ☐ **Have the payment ready** before the arrival of the installation crew. We accept credit/debit cards, checks or ACH.
- ☐ **Clear access** for our equipment is required. Please ensure entryways and paths are unobstructed so our crews can safely bring in and maneuver equipment. Obstacles or restricted access may create challenges during delivery and installation, so having a clear path helps prevent any issues with your property or materials.
- ☐ **Confirm all required permits/waivers** are complete prior to installation

Customer Initials: _____

Initial
10



Perspective View



Front



Left Side



Right Side



Back

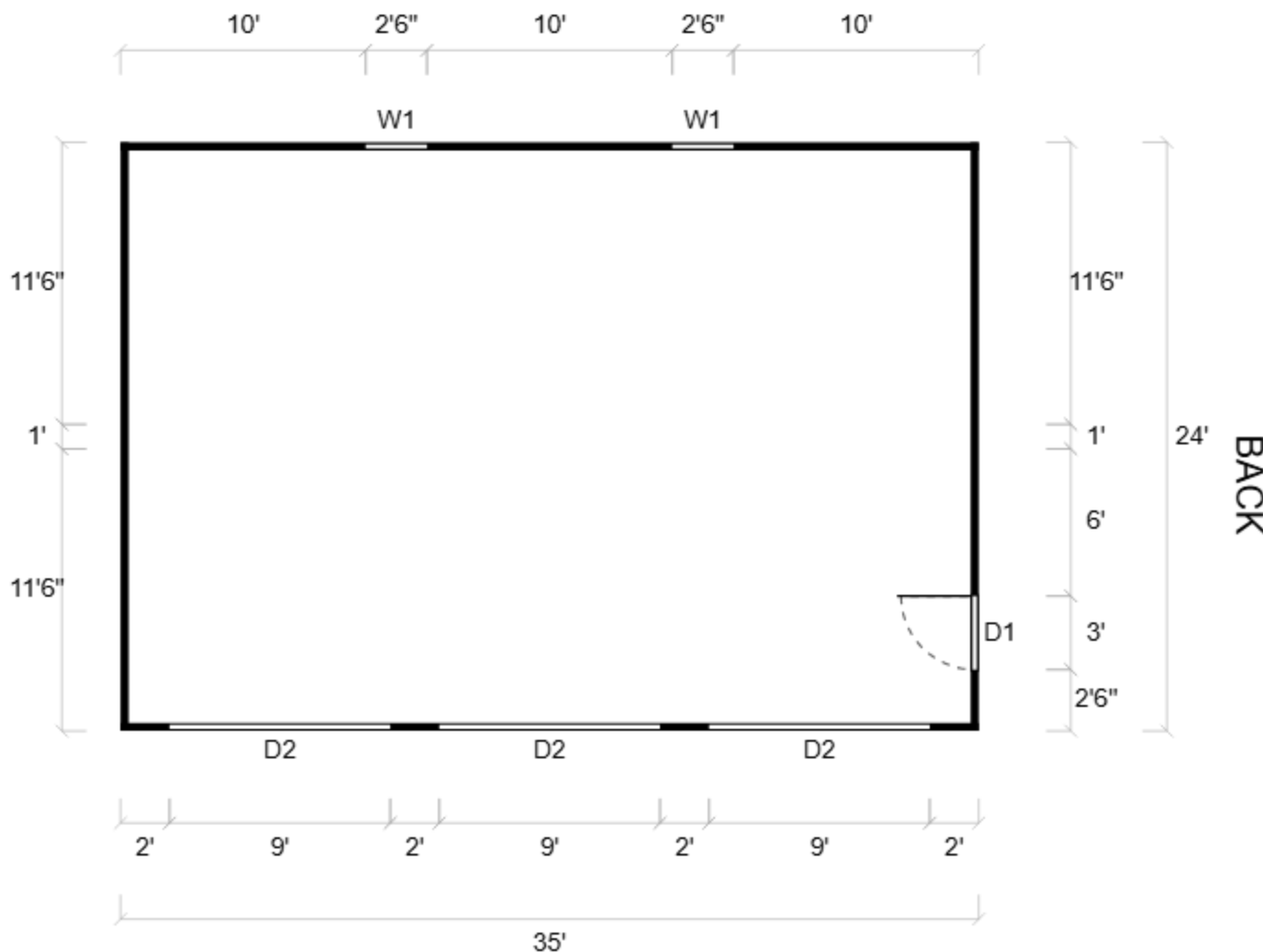
Initial
10

LEFT SIDE

Initial

10

FRONT



RIGHT SIDE

SYMBOL LEGEND

W1	30W x 30H Window	D1	Steel Door (36x80)
D2	9'x7' Garage Door		Closed Wall



Initial
10

What Happens Next



Down Payment Terms

The down payment secures your project and is non-refundable once received. Our Order Entry Specialist will send you an invoice within 24-48 hours with a detailed breakdown for your records.



Order Processing

Upon receipt of the down payment, your order will be reviewed and a member of our Processing & Scheduling team will contact you within 24-48 hours to begin preparing your order.



Scheduling & Delivery

Installation lead times begin once all required permits are approved and your site is confirmed as ready for installation. Your manufacturing payment is not due until both items are confirmed. Your dedicated Processing & Scheduling team member will guide you through this process.

Thank you for your business, and we look forward to working with you!





City of Detroit - Planning & Development Department
2 Woodward Avenue, Suite 808
Detroit, Michigan 48226

HISTORIC DISTRICT COMMISSION ADDITIONAL INFORMATION REQUEST

Date: 06/11/26

Application Number: HDC2026-00290

APPLICANT & PROPERTY INFORMATION

NAME: Ikenna Okereke

COMPANY NAME: N/A

ADDRESS: 1977 Atkinson St.

CITY: Detroit

STATE: MI

ZIP: 48206

PROJECT ADDRESS: 1977 Atkinson St., Detroit, MI

HISTORIC DISTRICT: Atkinson Avenue

REQUESTED INFORMATION

We have received your application, but it is not yet complete for review. Please provide additional details based on the comments and questions listed below. Should you need to attach additional files per this request, use the paperclip icons at the end of this form. You may attach up to (5) files per icon up to 25MB:

Thank you for the additional information. We still have some questions about the height and materials to be used.

--Please provide an elevation where heights are marked, including height of the garage door, height of the wall where it meets the roof, and height of the highest point of the proposed building.

--Please provide more product information. Is the roof shingled? If so, with what? If it's not to be shingled, what will the roof look like? Will it be textured? Smooth? Please provide a product cut sheet for the roof that includes photos of how your roof would look.

--Please provide a product cut sheet with photos of the siding material you are proposing. The Commission will need to understand material and design details of the siding.

-- Please provide more product information about the white overhead doors and the walk-in door. Please provide a product cut sheet with photos of the doors you are proposing. The Commission will need to understand material and design details on both kinds of doors. (The walk-in door is listed as steel; are the overhead doors steel as well?)

--Please provide a product cut sheet for the vents in the gables so the Commission can understand in detail how they will look and their material.

--Please provide a product cut sheet for the windows so the Commission can understand in detail how they will look, how they will operate, and their material.

--Please provide a photo of the front of the house so the Commission can see how the proposed garage will relate to the house.

Thank you.

APPLICANT RESPONSE

Response Date: 06/25/2026



We have responded to the requests for additional information. Thank you.

24' WIDE FRAME 'CARPORT STYLE' METAL BUILDING GENERICS



SCOPE OF PLANS:

1. TO PROVIDE STRUCTURAL DESIGN FOR A VARIETY OF PRE-FAB METAL BUILDINGS PER THE SPECIFIED DESIGN LOADS, AND APPLICABLE BUILDING CODES.
2. DOES NOT PROVIDE ANY ARCHITECTURAL, SITE, ZONING, HVAC, ELEC, MECH DESIGN OR REQUIREMENTS. THESE ITEMS MUST BE ADDRESSED BY THEIR RESPECTIVE PROFESSIONALS IN CHARGE.
3. DOES NOT PROVIDE ANY DOOR OR WINDOW DESIGN INFORMATION. THOSE SHALL BE ADDRESSED BY DOOR AND WINDOW MANUFACTURER.
4. THESE DOCUMENT SHALL NOT BE USED TO PERMIT OR JUSTIFY DESIGN OF AS-BUILT / EXISTING STRUCTURES OR BUILDINGS BUILT WITHOUT A PERMIT.

GENERAL DESIGN NOTES

1. THESE STRUCTURES ARE DESIGNED AS **RISK CATEGORY I (NON-HABITABLE)**, UTILITY / STORAGE / PRIVATE GARAGE / SHED TYPE BUILDINGS - THAT ONLY DESIGNED TO RESIST THE DEAD LOADS, LIVE LOADS, AND WIND LOADS LISTED UNDER "STRUCTURAL DESIGN CRITERIA". ANY ADDITIONAL LOADINGS WITHOUT RE-DESIGN OR ENGINEERING CONSULTATION SHALL NOT BE PERMITTED.
2. ALL MATERIALS IDENTIFIED BY A MANUFACTURER NAME MAY BE SUBSTITUTED WITH MATERIAL EQUAL OR EXCEEDING ORIGINAL.
3. ALL WELDED CONNECTIONS SHALL BE SHOP WELDED CONNECTIONS. **FIELD WELDING IS NOT PERMITTED NOR REQUIRED.**
4. ALL STRUCTURAL LIGHT GAUGE TUBING AND CHANNELS SHALL BE:
ASTM A500 GRADE C OR EQUAL:
Fy = 50 KSI Fu = 65 KSI
5. GYPSUM BOARD OR DRYWALL FINISH OR ANY BRITTLE BASE MATERIAL IS NOT CONSIDERED OR ACCOUNTED FOR ON THE DESIGN CRITERIA OF THIS STRUCTURE, U.N.O.

STRUCTURAL DESIGN CRITERIA

ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH THE PREVAILING CODES LISTED BELOW AND ALL APPLICABLE LOCAL REQUIREMENTS.

PREVAILING CODE: **MBC 2015**
MINIMUM DESIGN STANDARD: **ASCE 7-16**

OCCUPANCY GROUP: **U (CARPORT / UTILITY / GARAGE / SHED)**
CONSTRUCTION TYPE: **V - B**
RISK CATEGORY: I (NON-HABITABLE)

1. ROOF DEAD LOAD (D) **2.0 PSF (COLLATERAL)**

2. ROOF LIVE LOAD (Lr)
Lr = **20 to 61 PSF**
(VARIES BASED ON FRAME SPACING AND DESIGN OPTIONS)

3. SNOW LOAD (S)
GROUND SNOW LOAD
Pg = **20 to 90 PSF**
(VARIES BASED ON FRAME SPACING AND DESIGN OPTIONS)

IMPORTANCE FACTOR
THERMAL FACTOR
EXPOSURE FACTOR
ROOF SLOPE FACTOR
FLAT ROOF SNOW LOAD
SLOPED ROOF SNOW LOAD
MINIMUM SNOW LOAD
Is = 0.80
Ct = 1.2
Ce = 1.0
Cs = 1.0
Pf = **20 to 61 PSF**
Ps = **20 to 61 PSF**
Pm = **20**

4. WIND LOAD (W)
EXPOSURE
DESIGN WIND SPEED
C
Vult = **105 to 180 MPH**
(VARIES BASED ON FRAME SPACING AND DESIGN OPTIONS)

5. SEISMIC LOAD (E)
DESIGN CATEGORY
IMPORTANCE FACTOR
C
Ie = 1.00

ASD LOAD COMBINATIONS:

1. D + (Lr OR S)
2. D + (0.6W OR ±0.7E)
3. D + 0.75 (0.6W OR ±0.7E) + 0.75 (Lr OR S)
4. 0.6D + (0.6W OR ±0.7E)

CONTACT INFORMATION

FOR QUESTIONS OR INFORMATION NEEDED PLEASE, CONTACT THE **METAL BUILDINGS MANUFACTURER LISTED ON PLANS**. ENGINEER OF RECORD REQUIRES AUTHORIZATION FROM THE METAL BUILDINGS MANUFACTURER TO ADDRESS ANY QUERIES

THE INFORMATION CONTAINED IN THESE DRAWINGS IS THE SOLE PROPERTY OF METAL BUILDING MANUFACTURER LISTED ON THIS PAGE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF METAL BUILDING MANUFACTURER LISTED BELOW IS PROHIBITED. LEGAL ACTION WILL BE TAKEN AS NECESSARY AS A RESULT.

ANY REQUESTS, CHANGES, MODIFICATIONS REVISIONS TO INFORMATION PROVIDED IN THIS DOCUMENT WILL REQUIRE A COMPLETELY SEPARATE SITE-SPECIFIC SET OF PLANS; INQUIRE WITH THE LISTED METAL BUILDING MANUFACTURER.

STRUCTURAL SHEET INDEX

COVER SHEET	1
SCHEDULES & MEMBER - SECTIONS	2
FRAME SECTIONS & DETAILS	3A, 3B
SPACING SCHEDULES & ENCLOSURE NOTES	4
PURLIN & GIRT SCHEDULES	5
SHEATHING OPTIONS	6
SIDE WALL FRAMING & OPENINGS	7A, 7B
END WALL FRAMING & OPENINGS	8A, 8B
CORNER BRACING DETAILS	9
OPTIONAL LEAN-TO ADDITION	10
FOUNDATION OPTIONS	11A TO 11D

MANUFACTURED BY:



ENGINEERED BY:



A&A ENGINEERING
CIVIL • STRUCTURAL

DRAWING INFORMATION

PROJECT: **24' WIDE**
LOCATION: **STATE OF MICHIGAN**
PROJECT NO.: **227-25-2582**
SHEET TITLE: **COVER SHEET**

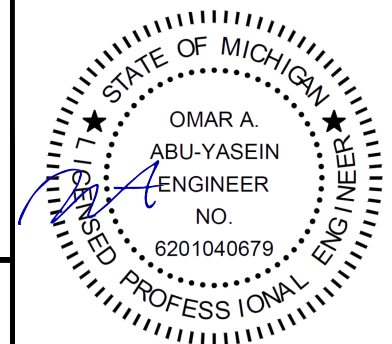
SHEET NO.: **1 / 11**

CHECKED BY: **OAA** DATE: **1/25/24**

LEGAL INFORMATION

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- DRAWINGS VALID UP TO 1 YEAR FROM DATE OF ISSUE.

SEAL:



STAMP EXPIRY: **03-24-2028**

DATE SIGNED: **04-14-2026**

CUSTOMER INFORMATION

OWNER: **Ikenna Okereke**
ADDRESS: **1977 Atkinson Street**
Detroit, MI 48202

DESIGN LOADS

GROUND SNOW: **30 lb**
ROOF LIVE LOAD: **20**
BASIC WIND SPEED: **115 mph**

BUILDING INFORMATION

WIDTH: **24'**
LENGTH: **35'**
HEIGHT: **9'**
FRAME TYPE: ☒ A-FRAME
☒ REGULAR
☒ FULL
ENCLOSURE TYPE: ☒ PARTIAL
☒ OPEN

CERTIFICATION VALIDITY NOTICE

DATE OF PLANS EXPIRATION: **09-16-2026**
CERTIFICATION ON THESE DRAWINGS IS VALID FOR ONE YEAR FROM DATE OF ISSUE

TABLE 2.1: MEMBER PROPERTIES

NO.	LABEL	PROPERTY	DETAIL NO.
1	COLUMN POST	2.5" X 2.5" X 14GA TUBE	1
2	ROOF BEAM	2.5" X 2.5" X 14GA TUBE	1
3	BASE RAIL	2.5" X 2.5" X 14GA TUBE	1
4	PEAK BRACE	2.5" X 2.5" X 14GA CHANNEL	4
5	KNEE BRACES	2.5" X 1.5" 14GA CHANNEL	4
6	CONNECTOR SLEEVE	2.25" X 2.25" X 12GA TUBE	2
7	BASE ANGLE	2" X 2" X 3" LG. 3/16" ANGLE	10
8	PURLIN	4" X 1" X 14GA / 18GA HAT CHANNEL	5
9	GIRT	4" X 1" X 14GA / 18GA HAT CHANNEL	5
9A	OPT. END WALL GIRT	2.5" X 1.5" 14GA CHANNEL	1
10	SHEATHING	29 GA CORRUGATED SHEET	8
11	END WALL POST	2.5" X 2.5" X 14GA TUBE	1
12	DOOR POST	2.5" X 2.5" X 14GA TUBE	1
13	SINGLE HEADER	2.5" X 2.5" X 14GA TUBE	1
14	DOUBLE HEADER	DBL. 2.5" X 2.5" X 14GA TUBE	1
15	SERVICE DOOR / WINDOW FRAMING	2.5" X 2.5" X 14GA TUBE	1
16	ANGLE BRACKET	2" X 2" X 2" LG. 14GA ANGLE	7
17	STRAIGHT BRACKET	2" X 2" X 4" LG. 14GA PLATE	6
18	PB SUPPORT	2.5" X 2.5" X 14GA TUBE	1
19	DIAGONAL BRACE	2" X 2" X 14 GA TUBE	3
20	GABLE BRACE	2" X 2" X 14 GA TUBE	3
21	DB BRACKET	2.25" X 2.25" X 6" LG. 14GA ANGLE	9
22	TRUSS SPACER	2.5" X 2.5" X 14GA TUBE	1
23	ALL FASTENERS	#12 X 1" SELF-DRILL SCREWS (ESR-2196 OR EQ) W/ NEOPRENE/STEEL WASHER	

TABLE 2.2: SHEATHING FASTENER SCHEDULE

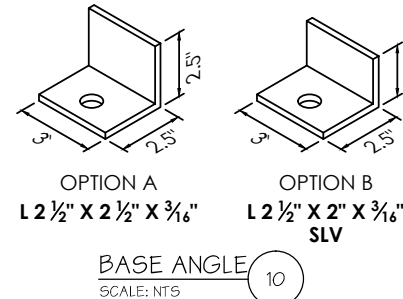
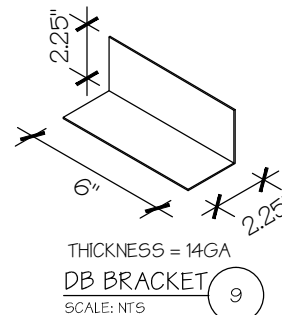
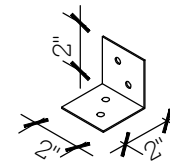
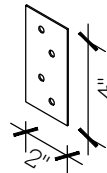
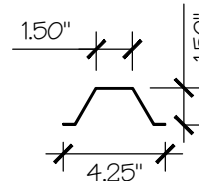
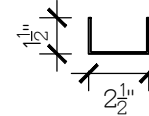
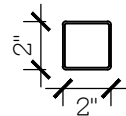
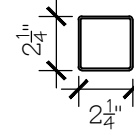
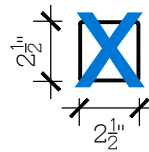
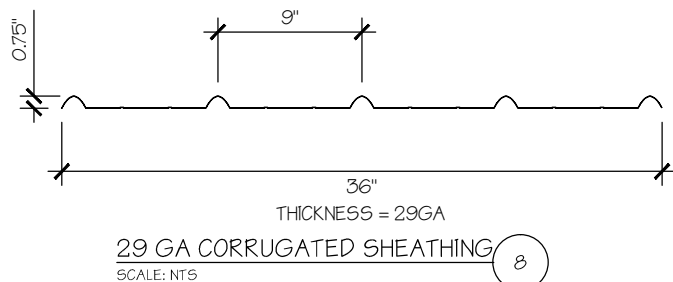
LOCATION	CORNER PANELS	SIDE LAPS	EDGE LAPS	ELSEWHERE
SPACING	9" C/C	MIN. 1	4 1/2" C/C	9" C/C

FASTENER TYPE: #12X1" SELF-DRILL SCREWS (ESR-2196 OR EQ) W/ NEOPRENE/STEEL WASHER

*SEE TYP. SHEATHING FASTENER SCHEDULE DIAGRAM ON PAGE 6.

TABLE 2.3: GAUGE THICKNESS

GAUGE	29	18	14	12
THICKNESS (IN)	0.0135	0.049	0.083	0.109



MANUFACTURED BY:



ENGINEERED BY:



DRAWING INFORMATION

PROJECT: 24' WIDE

LOCATION: STATE OF MICHIGAN

PROJECT NO.: 227-25-2582

SHEET TITLE:

SCHEDULES &
MEMBER SECTIONS

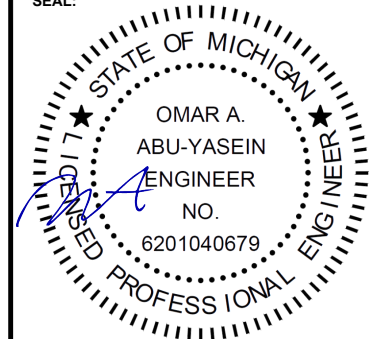
SHEET NO.: 2 / 11

CHECKED BY: OAA DATE: 1/25/24

LEGAL INFORMATION

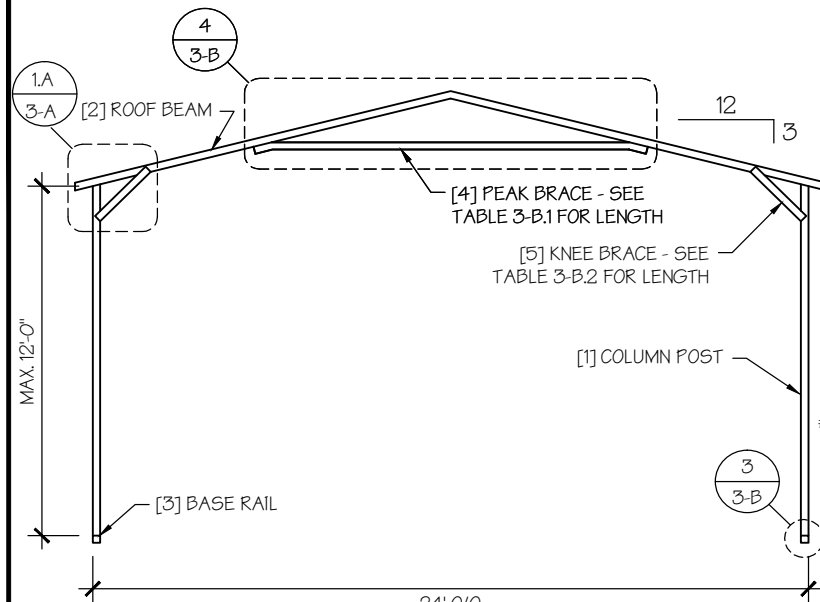
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SEAL:

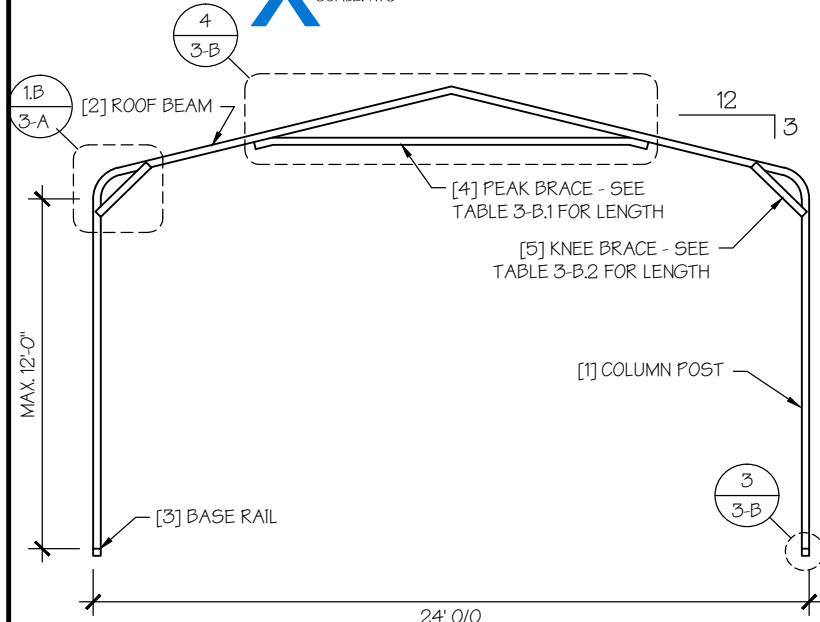


STAMP EXPIRY: 03-24-2028

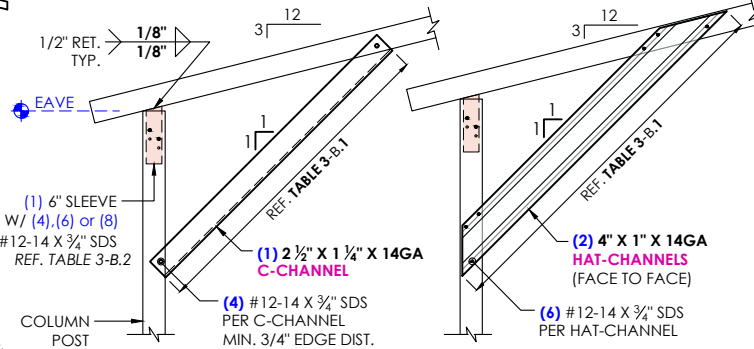
DATE SIGNED: 04-14-2026



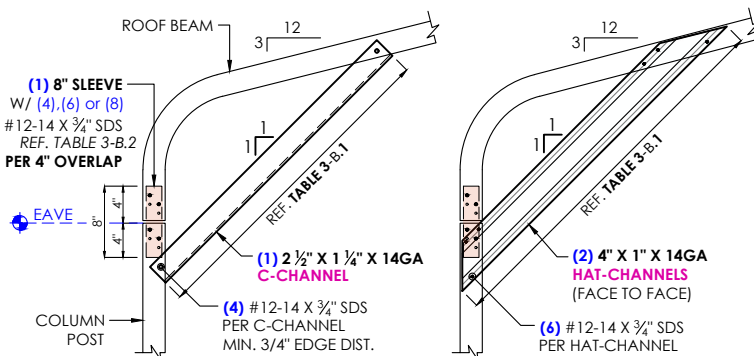
X TYP. A-FRAME SECTION
SCALE: NTS



☐ TYP. REGULAR FRAME SECTION
SCALE: NTS



X 4 SIDES FULLY ENCLOSED ONLY ☐ ANY ENCLOSURE
1A A-FRAME (BOXED) STYLE - EAVE DETAIL
SCALE: NTS



☐ 4 SIDES FULLY ENCLOSED ONLY ☐ ANY ENCLOSURE
1B REGULAR (BENT-BOW) STYLE - EAVE DETAIL
SCALE: NTS

MANUFACTURED BY:



ENGINEERED BY:



DRAWING INFORMATION

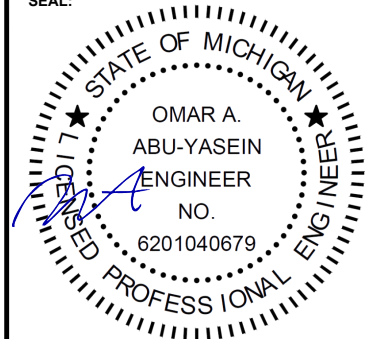
PROJECT: 24' WIDE
LOCATION: STATE OF MICHIGAN
PROJECT NO.: 227-25-2582
SHEET TITLE: FRAME SECTIONS & DETAILS
SHEET NO.: 3-A / 11

CHECKED BY: OAA DATE: 1/25/24

LEGAL INFORMATION

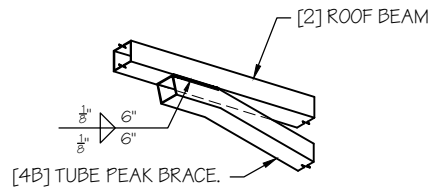
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SEAL:

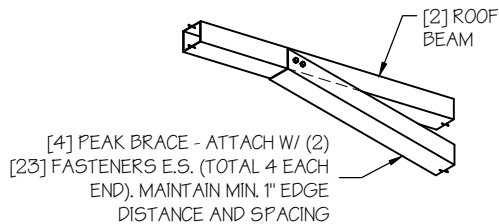


STAMP EXPIRY: 03-24-2028

DATE SIGNED: 04-14-2026

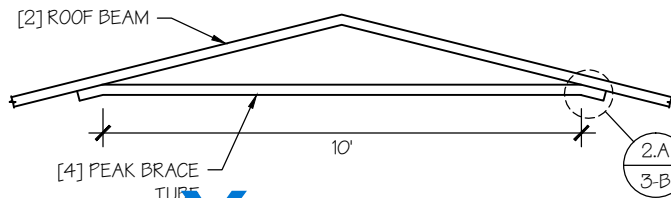


A. PEAK BRACE TUBE

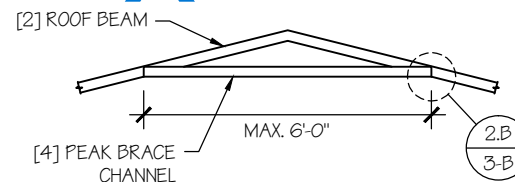


B. PEAK BRACE CHANNEL

PEAK BRACE CONNECTION DETAILS 2
SCALE: NTS

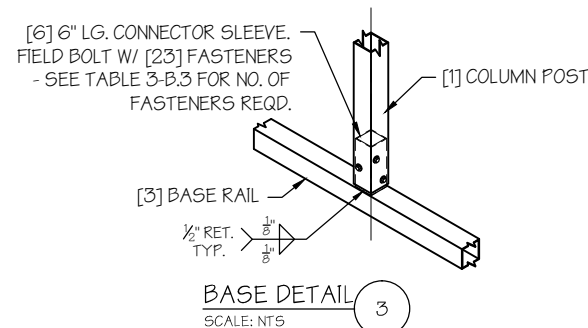


A. WELDED PEAK BRACE



B. CHANNEL PEAK BRACE

PEAK BRACE DETAILS 4
SCALE: NTS



BASE DETAIL 3
SCALE: NTS

NOTE: COLUMN POST MAY BE ADJUSTED ± 1 " FOR LEVELING.
MANUFACTURER IS NOT RESPONSIBLE FOR LEVELING OF GROUND
AND/OR CONCRETE SURFACE PROVIDED BY OTHERS.

TABLE 3-B.1: PEAK BRACE SCHEDULE

GROUND SNOW / ROOF LIVE LOAD (PSF)	WIND SPEED	
30 / 20	6'	10'
50 / 25 TO 90 / 61	10'	10'

TABLE 3-B.2: KNEE BRACE SCHEDULE

EAVE HEIGHT	KNEE BRACE LENGTH
1' TO 8'	24"
9' TO 12'	36"

TABLE 3-B.3 FASTENER SCHEDULE

WIND SPEED (MPH)	NO. OF FASTENERS
105 TO 125	4
130 TO 155	6
160 TO 180	8

MANUFACTURED BY:



ENGINEERED BY:



DRAWING INFORMATION

PROJECT: 24' WIDE
LOCATION: STATE OF MICHIGAN
PROJECT NO.: 227-25-2582
SHEET TITLE:

FRAME DETAILS

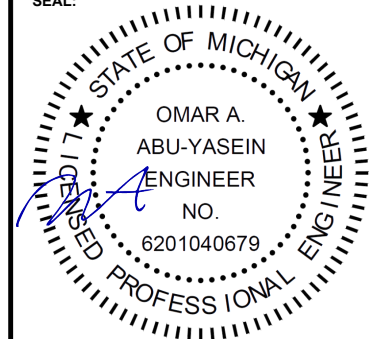
SHEET NO.: 3-B / 11

CHECKED BY: OAA DATE: 1/25/24

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SEAL:



STAMP EXPIRY: 03-24-2028

DATE SIGNED: 04-14-2026

TABLE 4: FRAME SPACING CHART / SCHEDULE

GROUND SNOW / ROOF LIVE LOAD (PSF)	ENCLOSED BUILDINGS							OPEN BUILDINGS						
	WIND SPEED (MPH)							WIND SPEED (MPH)						
	105	115	130	140	155	165	180	105	115	130	140	155	165	180
30 / 20	60	60	54/60	54	42	42	36	48	48	48	42	36	30	24
40 / 27	48/60	48/60	42/60	42/54	42	42	36	42	42	42	42	36	30	24
50 / 34	40/48	40/48	40/48	40/48	40/42	40/42	36	30	30	30	30	30	30	24
60 / 41	36	36	36	36	36	36	36	30	30	30	30	30	30	24
70 / 47	30	30	30	30	30	30	30	24	24	24	24	24	24	24
80 / 54	24	24	24	24	24	24	24	24	24	18	18	18	18	18
90 / 61	---	---	---	---	---	---	---	---	---	---	---	---	---	---
30 / 20	60	60	54/60	54	48	42/48	42	54	54	48/54	42/54	36/48	36	30
40 / 27	48/60	48/60	42/60	42/54	42/48	42/48	42	42	42	42	42	36/42	36	30
50 / 34	40/48	40/48	40/48	40/48	40/48	40/48	40/42	36	36	36	36	36	36	30
60 / 41	36	36	36	36	36	36	36	30	30	30	30	30	30	30
70 / 47	30	30	30	30	30	30	30	24	24	24	24	24	24	24
80 / 54	24	24	24	24	24	24	24	24	24	24	24	24	24	24
90 / 61	---	---	---	---	---	---	---	---	---	---	---	---	---	---
30 / 20	60	60	54/60	54	48	42/48	42	60	54/60	48/60	42/54	36/48	36/42	36
40 / 27	48/60	48/60	42/60	42/54	42/48	42/48	42	48	48	42/48	42/48	36/48	36/42	36
50 / 34	40/48	40/48	40/48	40/48	40/48	40/48	40/42	40/42	40/42	40/42	40/42	36/42	36	36
60 / 41	36	36	36	36	36	36	36	36	36	36	36	36	36	30
70 / 47	30	30	30	30	30	30	30	30	30	30	30	30	30	30
80 / 54	24	24	24	24	24	24	24	24	24	24	24	24	24	24
90 / 61	---	---	---	---	---	---	---	---	---	---	---	---	---	---

NOTES:

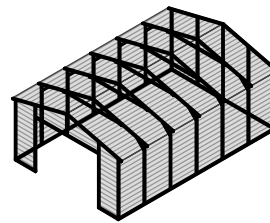
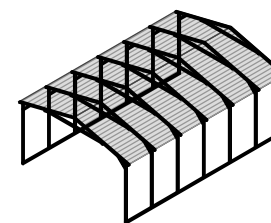
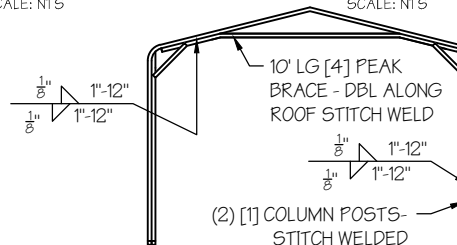
1. FRAME SPACINGS ARE IN UNITS OF INCHES (IN).
2. WHERE TWO VALUES ARE SHOWN, THE HIGHER VALUE CAN ONLY BE USED FOR VERTICAL ROOF SHEATHING
3. SNOW LOADS AND ROOF LIVE LOADS ARE IN POUNDS PER SQUARE FOOT (PSF). WIND SPEED IS 3 SEC. GUST IN MILES PER HOUR (MPH).
4. FOR VALUES THAT LIE BETWEEN TWO CELLS, THE HIGHER (MORE STRINGENT) VALUE HAS TO BE USED. INTERPOLATION BETWEEN CELLS IS NOT ALLOWED.

ENCLOSURE CLASSIFICATION:

1. ENCLOSED BUILDING = ALL 4 WALLS FULLY ENCLOSED WITH DOORS/WINDOWS = USE ENCLOSED BUILDING SPACING CHART.
2. OPEN BUILDING = ALL 4 WALLS FULLY OPEN = USE OPEN BUILDING SPACING CHART.
3. 3FT PARTIALLY ENCLOSED = BOTH END-WALLS FULLY OPEN, WITH BOTH SIDE-WALLS ONLY 3FT ENCLOSED = USE OPEN BUILDING SPACING CHART.
4. PARTIALLY ENCLOSED = BOTH END-WALLS FULLY OPEN, WITH BOTH SIDE-WALLS ENCLOSED MORE THAN 3FT = START WITH OPEN BUILDING SPACING CHART AND THEN REDUCE SPACING BY 6".
5. 3 SIDED ENCLOSED = ALL WALLS ARE ENCLOSED EXCEPT FOR 1 END-WALL = START WITH ENCLOSED BUILDING SPACING + THE OPEN END FRAME MUST HAVE EITHER A GABLED END OR HAVE DOUBLED WELDED LEGS & ROOF.
6. FOR ALL SHEATHING ENCLOSURES NOT LISTED ABOVE, REFER TO SHEET 5 FOR SPACING AND DESIGN REQUIREMENTS.

GENERAL NOTES:

1. THE MAX. BUILDING LENGTH FOR ENCLOSED BUILDINGS IS 50'-0". THIS CAN BE INCREASED BY ADDING A DOUBLE FRAME AT THE CENTER TO BREAK THE LENGTH OF THE BUILDING.
2. BUILDINGS WITH PARTIALLY ENCLOSED END WALLS NEED TO HAVE SIDE WALL BRACING TO SUPPORT THE PARTIALLY ENCLOSED END WALL. (SEE FIGURE A ON SHEET 5).
3. ALL BUILDINGS WITH AN OPEN END WALL MUST HAVE A 10'-0" TUBE PEAK BRACE.

TYP. ENCLOSED BUILDING
SCALE: NTSTYP. OPEN BUILDING
SCALE: NTSTYP. OPEN END WALL ON 3
SIDE ENCLOSED BUILDING
SCALE: NTS

MANUFACTURED BY:



ENGINEERED BY:



DRAWING INFORMATION

PROJECT: 24' WIDE
LOCATION: STATE OF MICHIGAN
PROJECT NO.: 227-25-2582
SHEET TITLE:

SPACING SCHEDULES
& ENCLOSURE NOTES

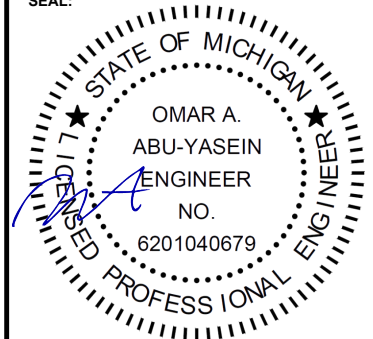
SHEET NO.: 4 / 11

CHECKED BY: OAA DATE: 1/25/24

LEGAL INFORMATION

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- DRAWINGS VALID UP TO 1 YEAR FROM DATE OF ISSUE.

SEAL:



STAMP EXPIRY: 03-24-2028

DATE SIGNED: 04-14-2026

TABLE 5.1: PURLIN SPACING SCHEDULE

GROUND SNOW / ROOF LIVE LOAD (PSF)	14GA. HAT CHANNEL PURLIN							18GA. HAT CHANNEL PURLIN						
	WIND SPEED (MPH)							WIND SPEED (MPH)						
	105	115	130	140	155	165	180	105	115	130	140	155	165	180
30 / 20	54	48	42	36	30	24	24	36	30	24	18	18	12	12
40 / 27	42	42	42	36	30	24	24	30	30	24	18	18	12	12
50 / 34	40	40	40	36	30	24	24	24	24	24	18	18	12	12
60 / 41	36	36	36	36	30	24	24	18	18	18	18	18	12	12
70 / 47	32	32	32	32	30	24	24	18	18	18	18	18	12	12
80 / 54	30	30	30	30	30	24	24	18	18	18	18	18	12	12
90 / 61	24	24	24	24	24	24	24	12	12	12	12	12	12	12
30 / 20	54	48	42	42	36	30	30	48	36	30	24	18	18	12
40 / 27	42	42	42	42	36	30	30	42	36	30	24	18	18	12
50 / 34	40	40	40	40	36	30	30	30	30	30	24	18	18	12
60 / 41	36	36	36	36	36	30	30	30	30	30	24	18	18	12
70 / 47	32	32	32	32	32	30	30	24	24	24	24	18	18	12
80 / 54	32	32	32	32	32	30	30	18	18	18	18	18	18	12
90 / 61	30	30	30	30	30	30	30	18	18	18	18	18	18	12
30 / 20	54	48	42	42	36	36	30	54	48	36	30	24	24	18
40 / 27	42	42	42	42	36	36	30	42	42	36	30	24	24	18
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80 / 54	32	32	32	32	32	32	30	24	24	24	24	24	24	18
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70 / 47	32	32	32	32	32	32	30	32	32	32	32	32	32	30
80 / 54	32	32	32	32	32	32	30	32	32	32	32	32	32	30
90 / 61	30	30	30	30	30	30	30	30	30	30	30	30	30	30

NOTES:

- PURLIN SPACING UNITS ARE IN INCHES.
- FRAME SPACING NEEDS TO BE DETERMINED FROM TABLE 4.

IRREGULAR BUILDING NOTES:

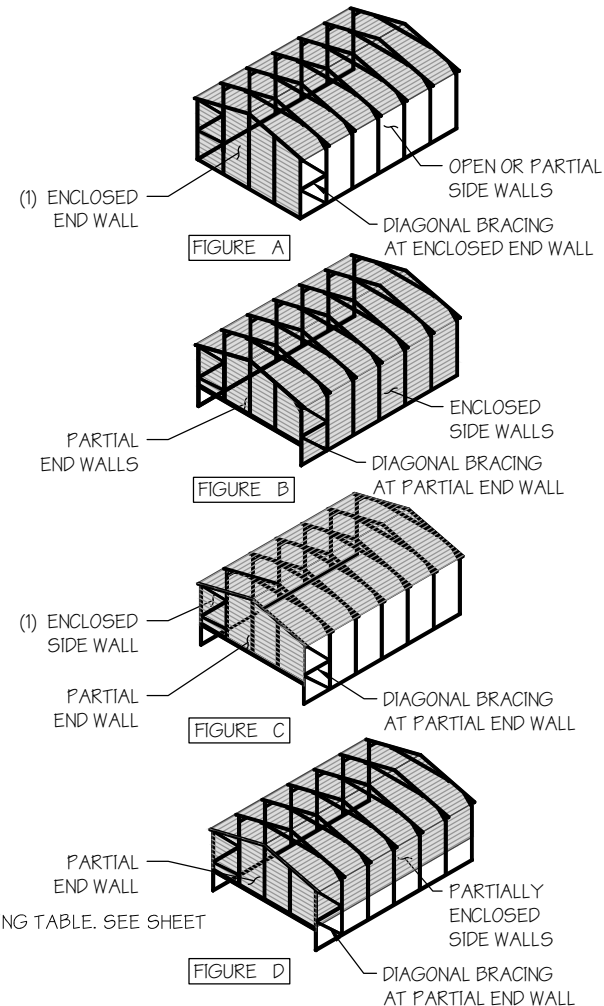
- FIGURES A, B, C & D ON THE RIGHT INDICATE EXAMPLES OF IRREGULAR BUILDINGS.
- FOR IRREGULAR BUILDINGS, FRAME SPACING MUST BE REDUCED BY 6" FROM OPEN BUILDING SPACING TABLE. SEE SHEET 4 FOR OPEN BUILDING TABLE.
- SITE SPECIFICS MAY ALLOW FOR ALTERNATIVE SPACING.
- IRREGULAR BUILDING & BUILDINGS W/ MORE THAN 2 SIDE OPENINGS MUST HAVE A 10' TUBE PEAK BRACE ON ALL FRAMES.

TABLE 5.2: GIRT SPACING SCHEDULE

FRAME SPACING	WIND SPEED (MPH)						
	105	115	130	140	155	165	180
5'-0"	60	48	36	30	24	24	18
4'-6"	60	60	48	42	36	30	24
4'-0"	60	60	54	54	42	36	30
3'-6"	60	60	54	54	48	42	42
2'-0" TO 3'-0"	60	60	54	54	48	42	42

NOTES:

- GIRT SPACING UNITS ARE IN INCHES.
- THIS SCHEDULE IS TO BE USED FOR BOTH 14GA AND 18 GA PURLINS.
- FRAME SPACING NEEDS TO BE DETERMINED FROM TABLE 4.



MANUFACTURED BY:



ENGINEERED BY:



DRAWING INFORMATION

PROJECT: 24' WIDE

LOCATION: STATE OF MICHIGAN

PROJECT NO.: 227-25-2582

SHEET TITLE: PURLIN & GIRT SPACING SCHEDULES

SHEET NO.: 5 / 11

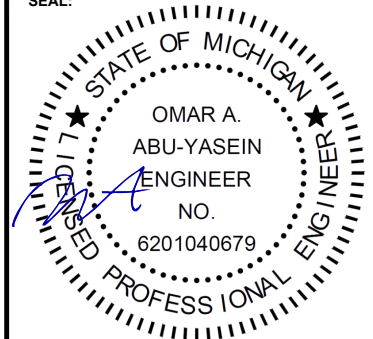
CHECKED BY: OAA DATE: 1/25/24

LEGAL INFORMATION

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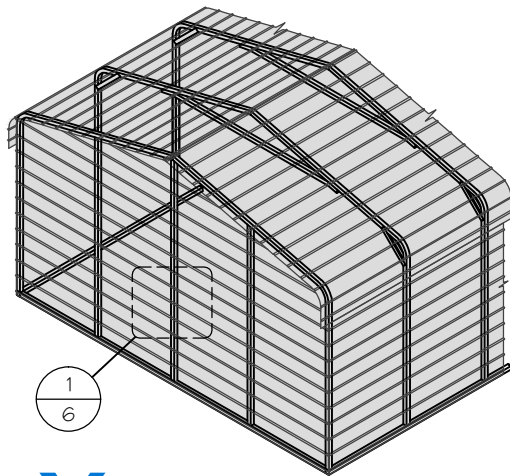
- DRAWINGS VALID UP TO 1 YEAR FROM DATE OF ISSUE.

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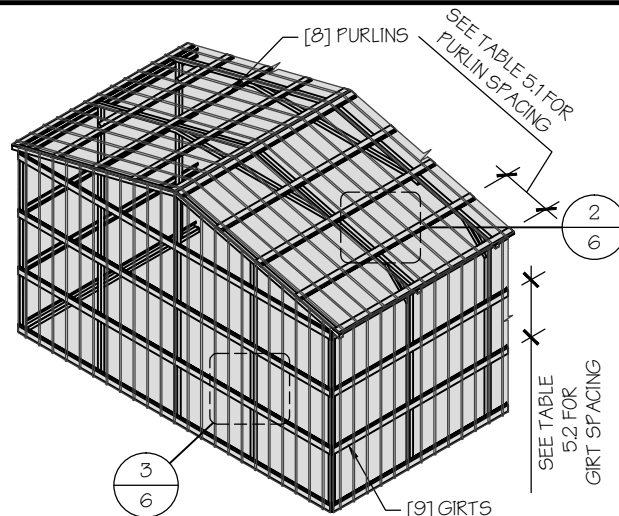


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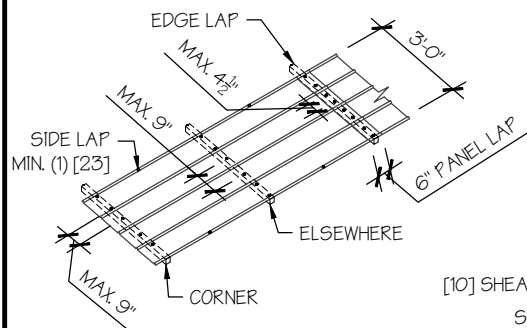
1
6
X TYP. HORIZONTAL SHEATHING
SCALE: NTS



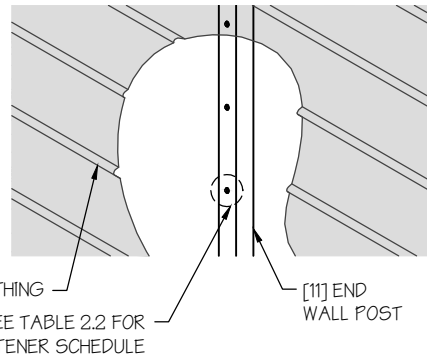
3
6
□ TYP. VERTICAL SHEATHING
SCALE: NTS

GENERAL SHEATHING NOTES:

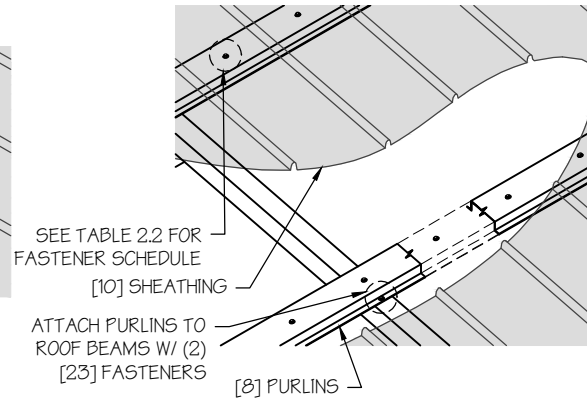
1. REGULAR STYLE BUILDINGS CAN ONLY HAVE HORIZONTAL SHEATHING ON ROOF AND WALLS.
2. A-FRAME STYLE BUILDINGS CAN HAVE ANY COMBINATION OF HORIZONTAL OR VERTICAL SHEATHING ON ROOFS AND WALLS.
3. BOTH HORIZONTAL AND VERTICALS ROOF SHEATHING CAN HAVE MAX. 6" OVERHANG.
4. USING VERTICAL SHEATHING MAY ALLOW FOR GREATER FRAME SPACING. SEE NOTE 2 UNDER TABLE 4.
5. VERTICAL SHEATHING RECOMMENDED FOR BUILDINGS 30' OR LONGER



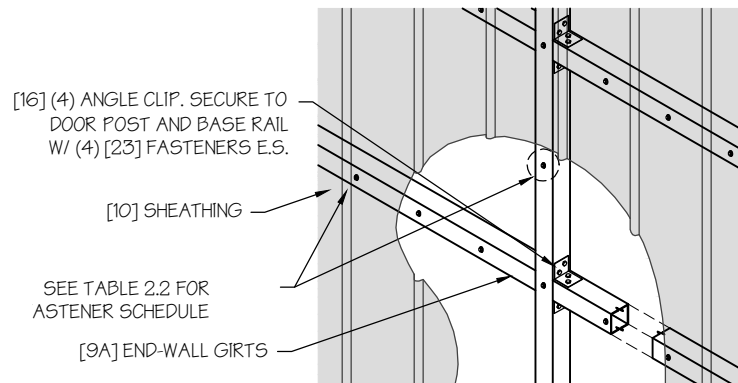
TYP. SHEATHING FASTENER SCHEDULE
SCALE: NTS



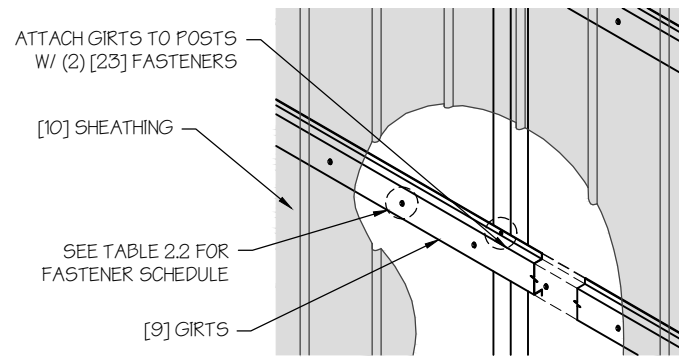
TYP. HORIZONTAL SHEATHING DETAIL
SCALE: NTS



ROOF VERTICAL SHEATHING DETAIL
SCALE: NTS



□ WALL VERTICAL SHEATHING - TUBE DETAIL
SCALE: NTS



□ WALL VERTICAL SHEATHING - HAT CHANNEL DETAIL
SCALE: NTS

MANUFACTURED BY:



ENGINEERED BY:



DRAWING INFORMATION

PROJECT: 24' WIDE
LOCATION: STATE OF MICHIGAN
PROJECT NO.: 227-25-2582
SHEET TITLE:

SHEATHING OPTIONS & DETAILS

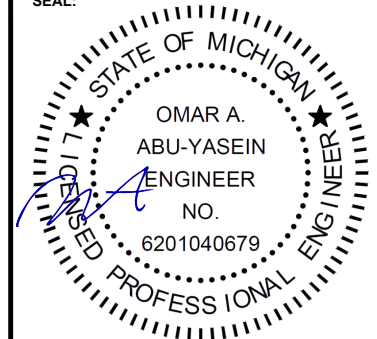
SHEET NO.: 6 / 11

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LEGAL INFORMATION

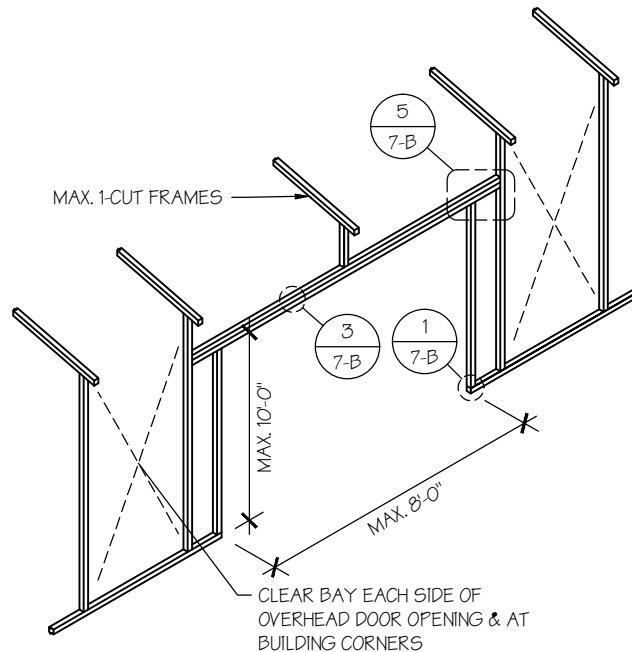
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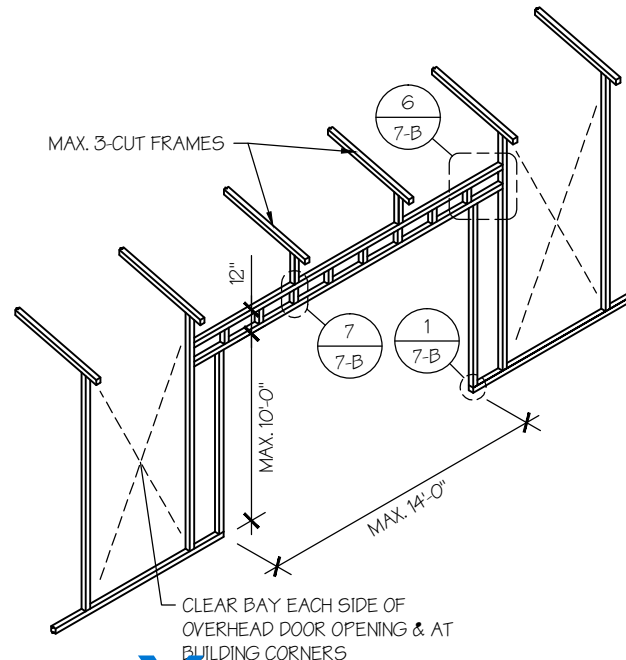
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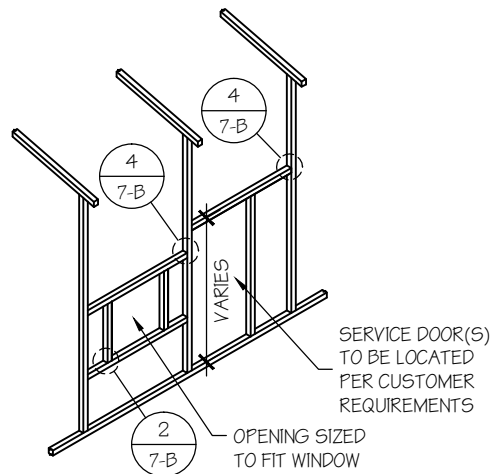
□ SIDE WALL OVERHEAD DOOR OPENINGS

SCALE: NTS



✕ SIDE WALL OVERHEAD DOOR OPENINGS WITH TRUSS STYLE HEADER

SCALE: NTS



✕ SIDE WALL SERVICE DOOR / WINDOW OPENINGS

SCALE: NTS

SIDE WALL FRAMING NOTES:

1. TRUSS-STYLE HEADERS ARE REQUIRED FOR WHERE THE GROUND SNOW LOAD IS 40 PSF OR GREATER.
2. DESIGNS AND DETAILS SHOWN HERE ARE APPLICABLE TO BOTH REGULAR AND A-FRAME STYLE BUILDINGS.
3. MAX. HEIGHT OF SIDE WALL OVERHEAD DOOR OPENINGS IS 2 FT LESS THAN THE EAVE HEIGHT.
4. OVERHEAD DOOR OPENINGS CANNOT CUT THROUGH MORE THAN 2 FULL FRAMES.
5. MIN. 1 CLEAR BAY MUST BE MAINTAINED BETWEEN ANY 2 OVERHEAD DOOR OPENINGS. A CLEAR BAY IS A SPACE BETWEEN TWO FRAMES THAT HAS NO OVERHEAD DOOR OPENINGS.
6. MIN. 1 CLEAR BAY MUST ALSO BE MAINTAINED FROM THE BUILDING CORNERS.
7. SERVICE DOORS AND WINDOWS CAN BE PLACED IN CLEAR BAYS OR ANY WHERE ELSE AS NEEDED.

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DRAWING INFORMATION

PROJECT: 24' WIDE

LOCATION: STATE OF MICHIGAN

PROJECT NO.: 227-25-2582

SHEET TITLE:

SIDE WALL FRAMING
& OPENINGS

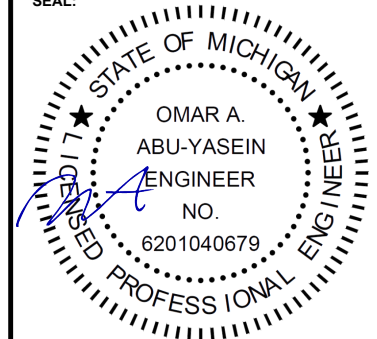
SHEET NO.: 7-A / 11

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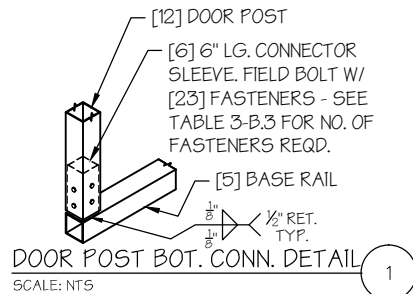
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SEAL:



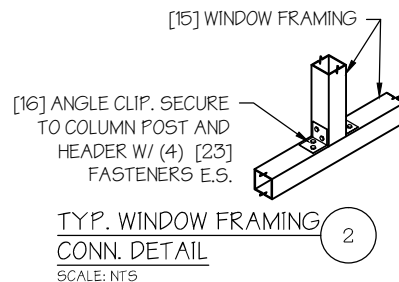
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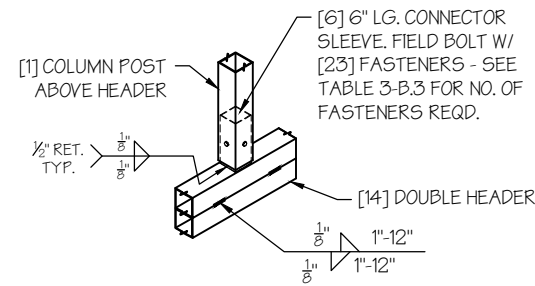
DOOR POST BOT. CONN. DETAIL

SCALE: NTS



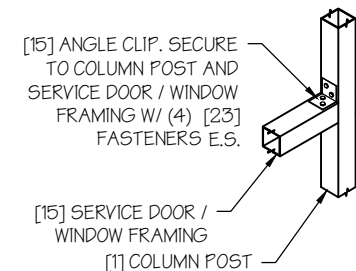
TYP. WINDOW FRAMING
CONN. DETAIL

SCALE: NTS



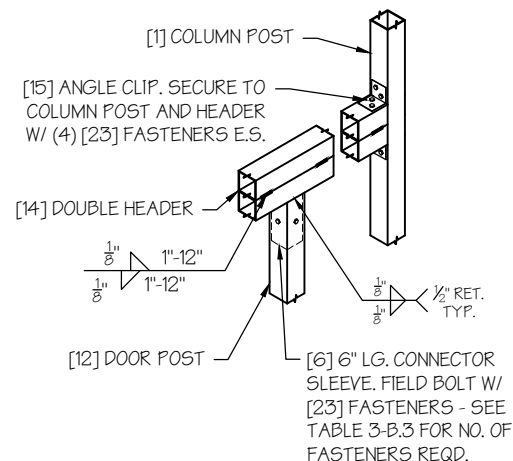
COLUMN POST ABOVE DBL.
DOOR HEADER CONN. DETAIL

SCALE: NTS



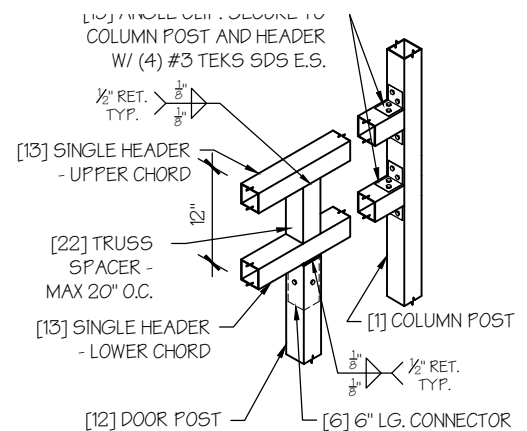
TYP. SERVICE DOOR / WINDOW
FRAMING CONN. DETAIL

SCALE: NTS



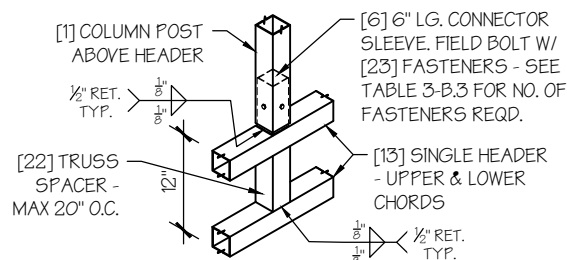
COLUMN POST ABOVE DBL.
DOOR HEADER CONN. DETAIL

SCALE: NTS



COLUMN POST ABOVE TRUSS
DOOR HEADER CONN. DETAIL

SCALE: NTS



COLUMN POST ABOVE TRUSS
DOOR HEADER CONN. DETAIL

SCALE: NTS

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DRAWING INFORMATION

PROJECT: 24' WIDE

LOCATION: STATE OF MICHIGAN

PROJECT NO.: 227-25-2582

SHEET TITLE:

SIDE WALL FRAMING
DETAILS

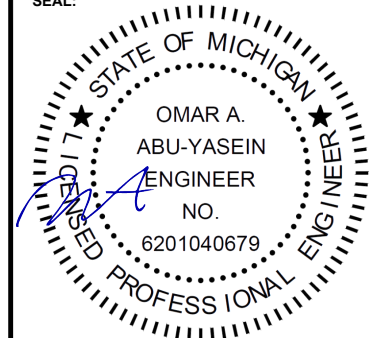
SHEET NO.: 7-B / 11

CHECKED BY: OAA DATE: 1/25/24

LEGAL INFORMATION

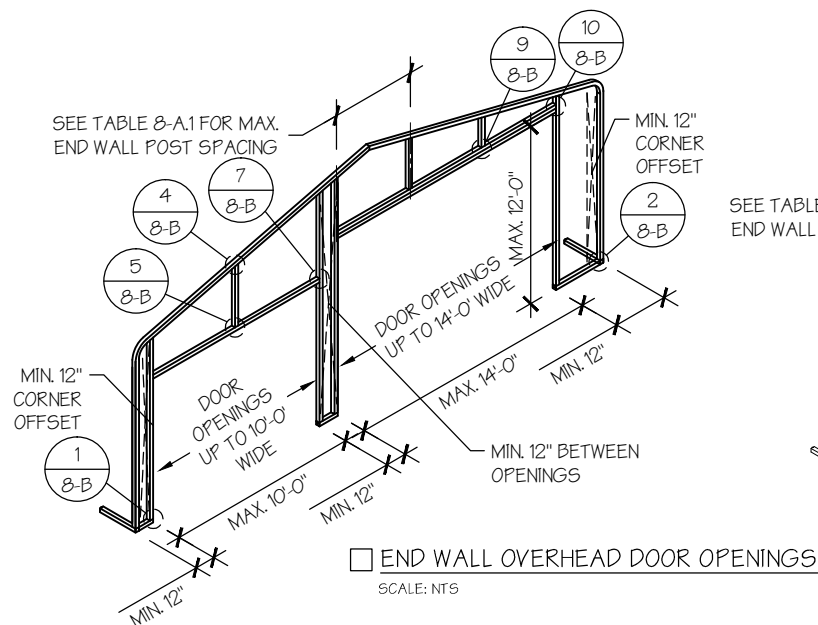
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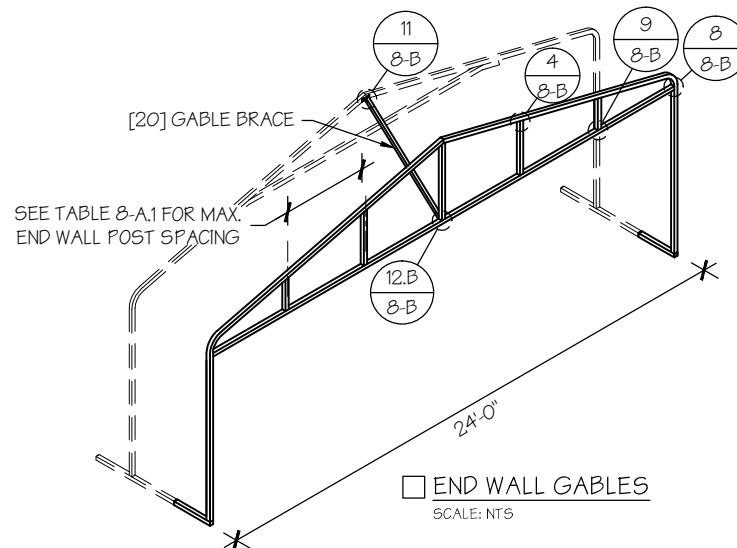


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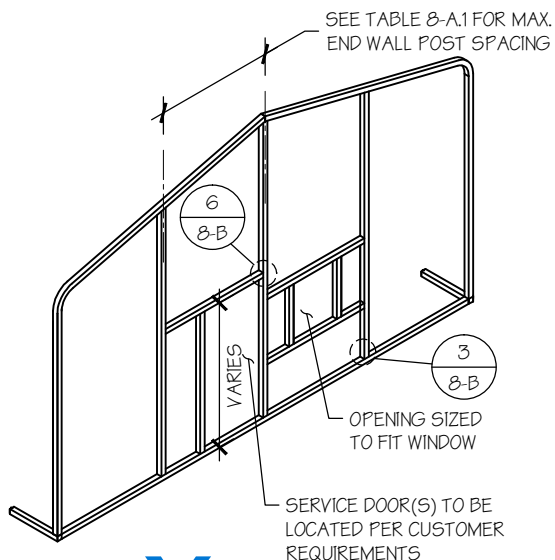
□ END WALL OVERHEAD DOOR OPENINGS
SCALE: NTS



□ END WALL GABLES
SCALE: NTS

GABLE BRACING NOTE

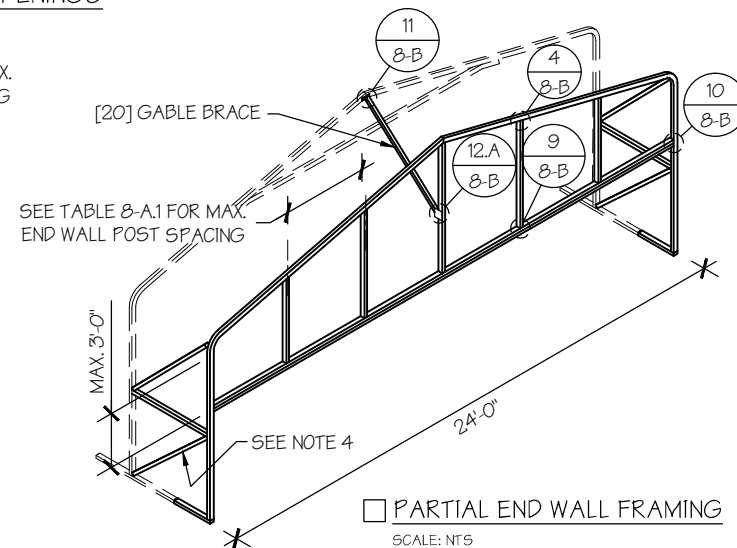
1. GABLE BRACE IS ONLY REQUIRED FOR PARTIALLY ENCLOSED END WALLS (END WALL POSTS ARE NOT ANCHORED TO THE GROUND).
2. FULLY ENCLOSED OR OPEN END WALLS DO NOT REQUIRE GABLE BRACING.



□ END WALL SERVICE DOOR AND WINDOW OPENINGS
SCALE: NTS

END WALL FRAMING NOTES:

1. DESIGNS AND DETAILS SHOWN HERE ARE APPLICABLE TO BOTH REGULAR AND A-FRAME STYLE BUILDINGS.
2. MIN. 12" CLEARANCE MUST BE MAINTAINED BETWEEN ANY TWO OPENINGS (OVERHEAD DOOR OR SERVICE DOOR) AND FROM CORNERS.
3. SERVICE DOORS AND WINDOWS CAN BE PLACED AS NEEDED.
4. DIAGONAL BRACES NEED TO BE ADDED FOR PARTIAL END WALL ENCLOSURES. SEE SHEET 9 FOR DIAGONAL BRACE CONNECTION DETAILS.



□ PARTIAL END WALL FRAMING
SCALE: NTS

TABLE 8-A.1: END WALL POST SPACING SCHEDULE

WIND SPEED (MPH)	EAVE HEIGHT		
	■ UP TO 7'	8' TO 9'	■ 10' TO 12'
□ 105	5'	5'	5'
□ 115	5'	5'	4.5'
□ 130	4.5'	4.5'	4'
□ 140	4.5'	4.5'	3'
□ 155	4'	4'	2.5'
□ 165 - 180	3.5'	3'	2'

MANUFACTURED BY:



ENGINEERED BY:



DRAWING INFORMATION

PROJECT: 24' WIDE
LOCATION: STATE OF MICHIGAN
PROJECT NO.: 227-25-2582
SHEET TITLE:

END WALL FRAMING

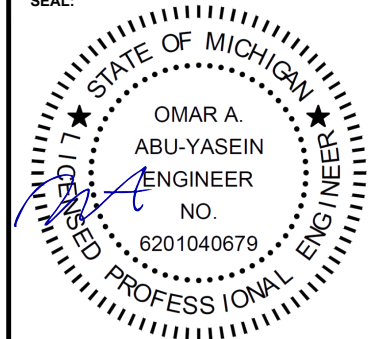
SHEET NO.: 8-A / 11

CHECKED BY: OAA DATE: 1/25/24

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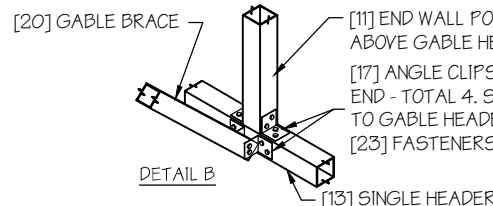
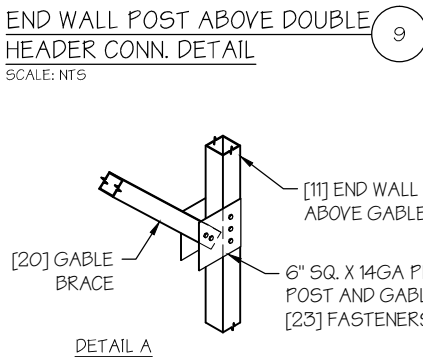
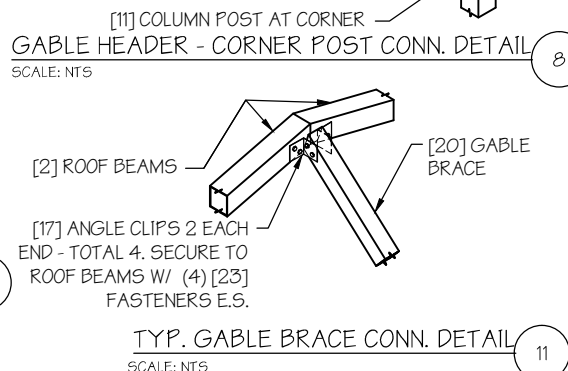
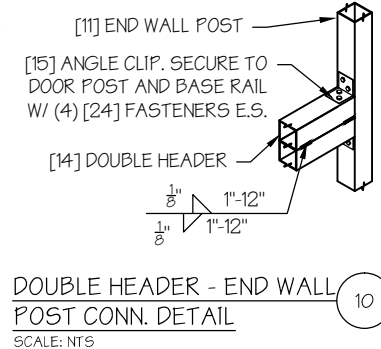
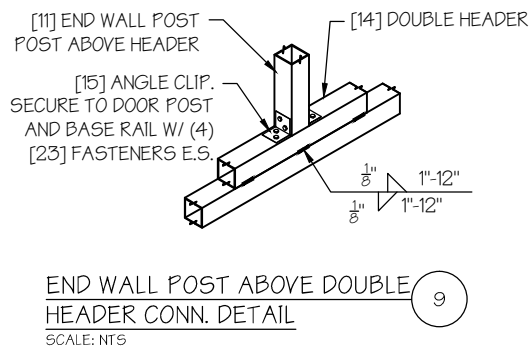
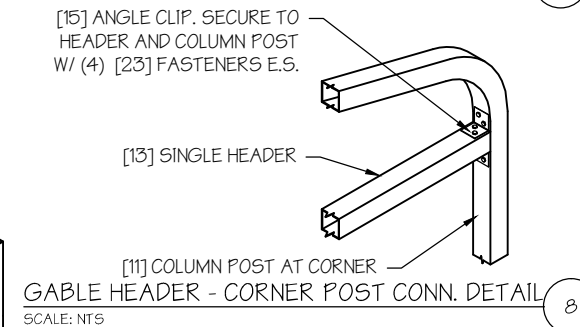
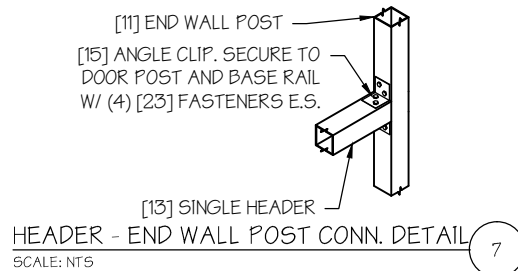
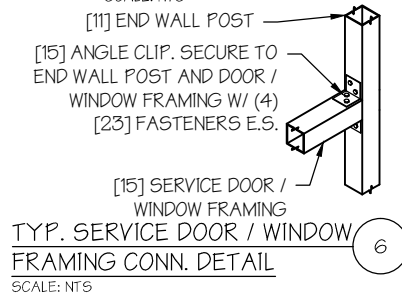
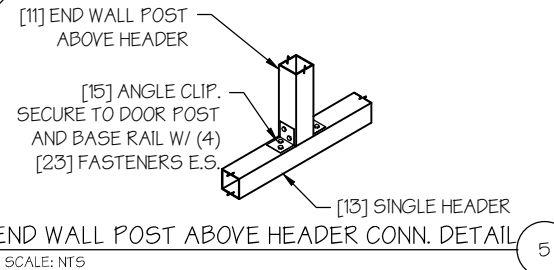
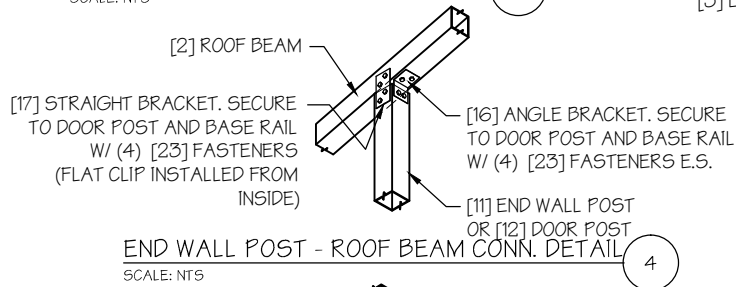
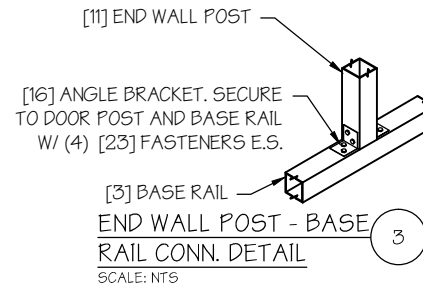
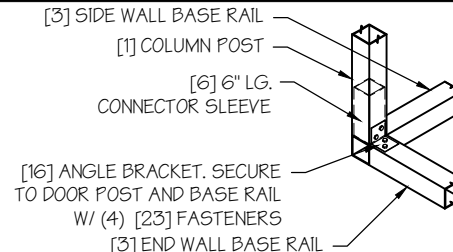
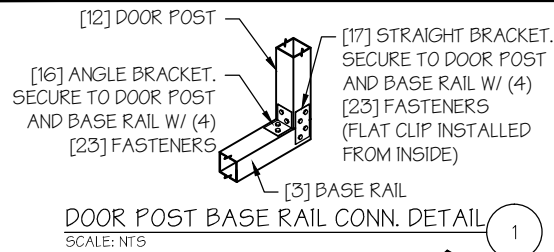
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- DRAWINGS VALID UP TO 1 YEAR FROM DATE OF ISSUE.

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GABLE BRACING NOTE

1. GABLE BRACE IS ONLY REQUIRED FOR PARTIALLY ENCLOSED END WALLS (END WALL POSTS ARE NOT ANCHORED TO THE GROUND).
2. FULLY ENCLOSED OR OPEN END WALLS DO NOT REQUIRE GABLE BRACING.

MANUFACTURED BY:



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DRAWING INFORMATION

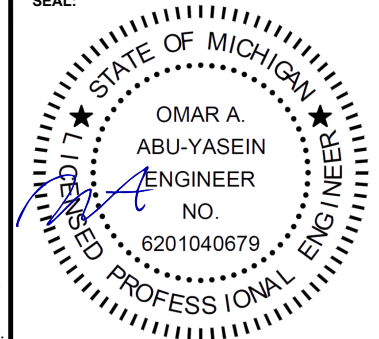
PROJECT: 24' WIDE
LOCATION: STATE OF MICHIGAN
PROJECT NO.: 227-25-2582
SHEET TITLE: END WALL FRAMING DETAILS
SHEET NO.: 8-B / 11

CHECKED BY: OAA DATE: 1/25/24

LEGAL INFORMATION

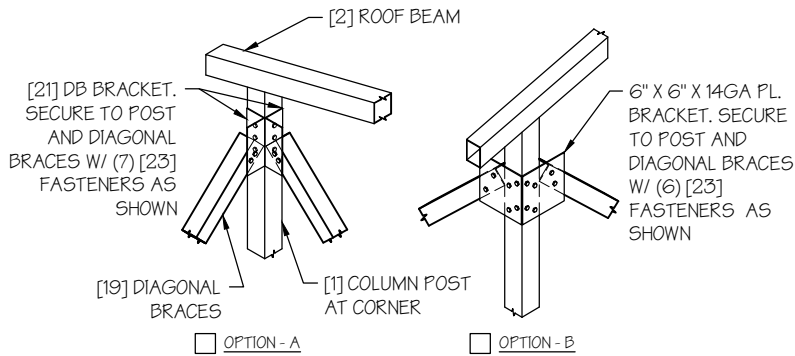
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SEAL:



STAMP EXPIRY: 03-24-2028

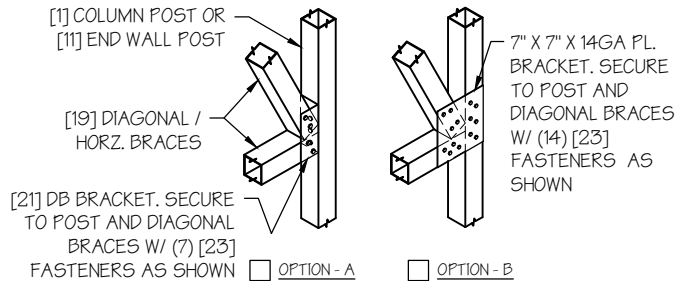
DATE SIGNED: 04-14-2026



DIAGONAL BRACE TOP CORNER CONN. DETAIL*

SCALE: NTS

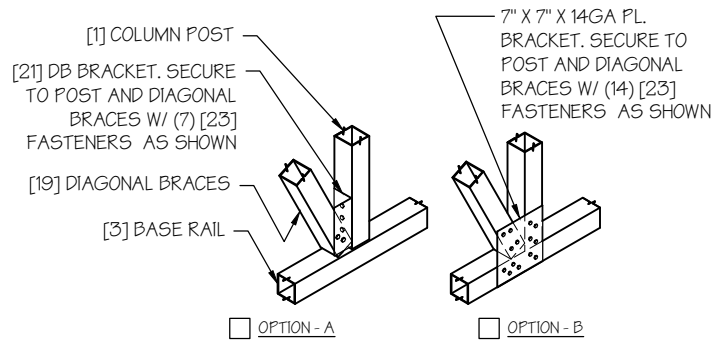
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DIAGONAL BRACE - POST CONN. DETAIL*

SCALE: NTS

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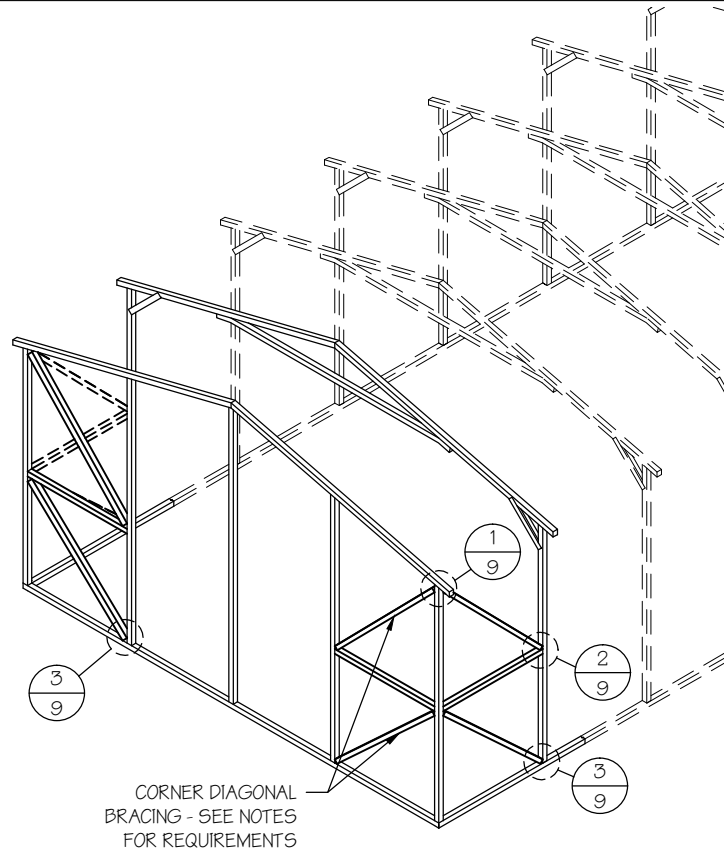


DIAGONAL BRACE BOT. CORNER CONN. DETAIL*

SCALE: NTS

3

* INSIDE VIEW SHOWN FOR CLARITY



DIAGONAL BRACING AT CORNERS

SCALE: NTS

CORNER BRACING NOTES:

1. DIAGONAL BRACING AT BUILDING CORNERS IS REQUIRED FOR ALL BUILDINGS IN LOCATIONS WHERE WIND SPEED IS 140 MPH OR GREATER.
- FOR 3 SIDED ENCLOSED BUILDINGS 140 MPH OR GREATER WIND SPEED
- THE BUILDING MUST BE DESIGNED WITH OPEN BUILDING SPACING AND DIAGONAL BRACING IS REQUIRED ON ALL ENCLOSED WALLS.
2. SIDE-WALL DIAGONAL BRACING IS REQUIRED WHEN THE ADJACENT END-WALL IS PARTIALLY ENCLOSED.
3. ALL BUILDINGS WITH IRREGULAR ENCLOSURE (SEE SHEET 5) WILL REQUIRE SIDE-WALL BRACING CLOSE TO THE PARTIALLY ENCLOSED END-WALL.

MANUFACTURED BY:



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DRAWING INFORMATION

PROJECT: 24' WIDE

LOCATION: STATE OF MICHIGAN

PROJECT NO.: 227-25-2582

SHEET TITLE:

CORNER BRACING
DETAILS

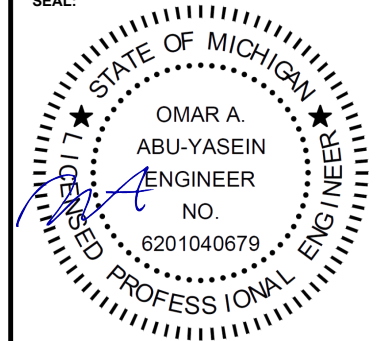
SHEET NO.: 9 / 11

CHECKED BY: OAA DATE: 1/25/24

LEGAL INFORMATION

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- DRAWINGS VALID UP TO 1 YEAR FROM DATE OF ISSUE.

SEAL:



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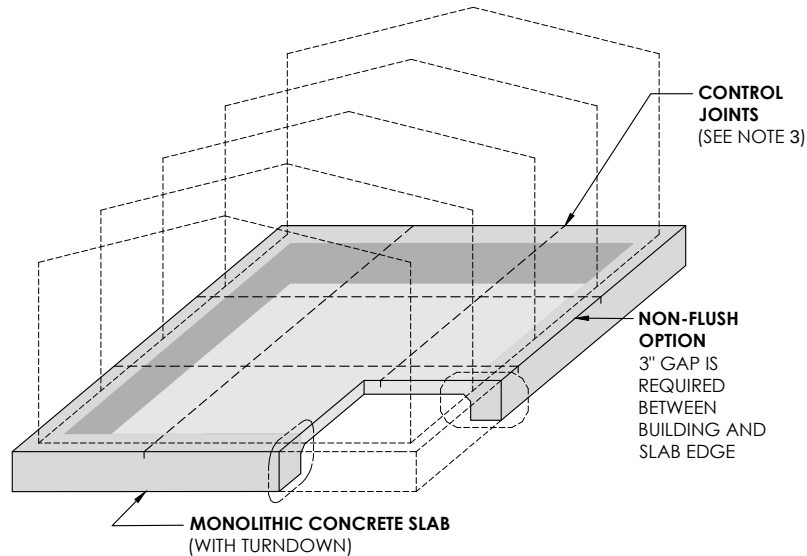
NON-FLUSH CONCRETE SLAB FOUNDATION NOTES:

1. THE LENGTH AND WIDTH OF THE SLAB SHALL **+6" GREATER** (3" GAP AROUND BUILDING PERIMETER ON ALL 4 SIDES) THAN THE FOOT-PRINT OF THE BUILDING TO ALLOW ANCHOR EDGE DISTANCE.
2. DEPTH OF SLAB TURN DOWN FOOTING SHALL BE GREATER THAN FROST DEPTH SPECIFIED PER LOCAL CODE.
3. CONTROL JOINTS SHALL BE PLACED SO AS TO LIMIT MAX. SLAB SPANS TO 20' IN EACH DIRECTION.
4. ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF.
5. CONCRETE STRENGTH TO BE A MIN OF 2500 PSI @ 28 DAYS.
6. **IT IS THE RESPONSIBILITY OF THE CONCRETE CONTRACTOR TO SECURE AND VERIFY ALL DESIGN DETAILS PRIOR TO STARTING ANY WORK.**

NOTE: ANY FOUNDATION POURED PRIOR TO BUILDING DEPARTMENTS APPROVAL OF THESE GENERICS, **IS CONSIDERED "BY OTHERS"**, AND IT'S DESIGN IS NO LONGER CERTIFIABLE BY THIS ENGINEER OF RECORD.

ANCHORAGE NOTES:

1. ANCHORS ARE TO BE CONCRETE WEDGE OR EXPANSION ANCHORS.
 2. MIN. EMBEDMENT DEPTH TO BE 3".
 3. MINIMUM SPACING BETWEEN TWO ADJACENT ANCHORS TO BE 4".
 4. ANCHORS TO BE SPACED NO MORE THAN 6" FROM POSTS.
 5. REF. TABLE 11 FOR ANCHORAGE SCHEDULE.
- IN LOCATIONS REQUIRING TWO ANCHORS DUE TO WIND, ONE ANCHOR IS TO BE ON EACH SIDE OF THE COLUMN POST.
 - AT MINIMUM, **1** CONCRETE ANCHOR SHALL BE LOCATED NEXT TO EVERY POST AND **1** ANCHOR ON EITHER SIDE OF OPENINGS.
 - AT MINIMUM, **2** ANCHORS SHALL BE INSTALLED AT CORNERS OF ENCLOSED BUILDINGS WITH END WALLS - ONE ON EACH BASE RAIL.

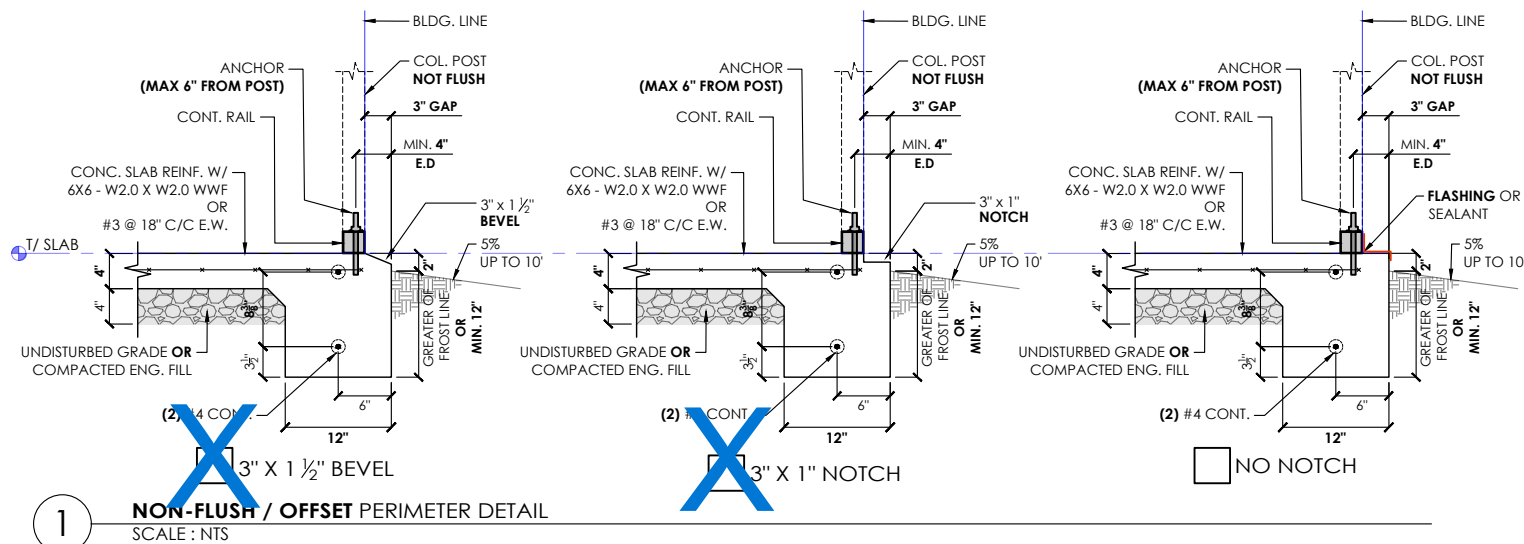


NON-FLUSH CONCRETE SLAB

SCALE : NTS

TABLE 11 : ANCHORAGE SCHEDULE

ENCLOSURE	WIND SPEED (MPH)	ANCHOR SIZE/NUMBER
ENCLOSED	05 TO 135	(1) 1/2"Ø X 7"
	136 TO 180	(2) 1/2"Ø X 7"
OPEN	05 TO 135	(1) 1/2"Ø X 7"
	136 TO 180	(2) 1/2"Ø X 7"



MANUFACTURED BY:



ENGINEERED BY:



DRAWING INFORMATION

PROJECT: 24' WIDE

LOCATION: STATE OF MICHIGAN

PROJECT NO.: 227-25-2582

SHEET TITLE:

FOUNDATION OPTION 1:
CONCRETE SLAB

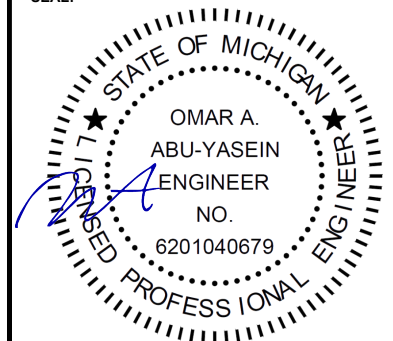
SHEET NO.: 11-A / 11

CHECKED BY: OAA DATE: 1/25/24

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SEAL:



STAMP EXPIRY: 03-24-2028

DATE SIGNED: 04-14-2026

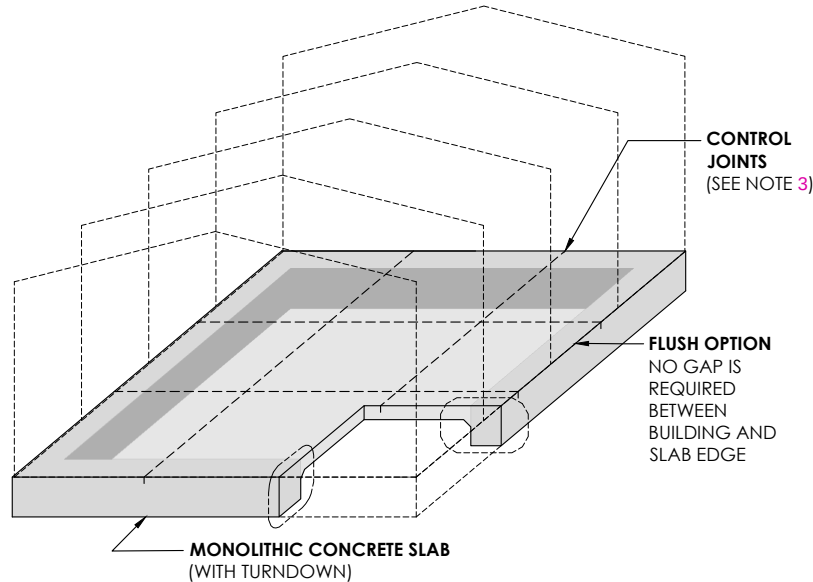
FLUSH CONCRETE SLAB FOUNDATION NOTES:

1. THE SIZE OF THE SLAB SHALL EQUAL THE FOOT-PRINT OF THE BUILDING. **ANCHORS CANNOT BE INSTALLED THRU THE BASE RAIL. ANCHORS SHALL BE INSTALLED THRU WELDED ANGLES OR INTERNAL TUBE PIECES** (REF. DETAIL 1) TO ALLOW ANCHOR EDGE DISTANCE.
2. DEPTH OF SLAB TURN DOWN FOOTING SHALL BE GREATER THAN FROST DEPTH SPECIFIED PER LOCAL CODE.
3. CONTROL JOINTS SHALL BE PLACED SO AS TO LIMIT MAX. SLAB SPANS TO 20' IN EACH DIRECTION.
4. ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF.
5. CONCRETE STRENGTH TO BE A MIN OF 2500 PSI @ 28 DAYS.
6. **IT IS THE RESPONSIBILITY OF THE CONCRETE CONTRACTOR TO SECURE AND VERIFY ALL DESIGN DETAILS PRIOR TO STARTING ANY WORK.**

NOTE: ANY FOUNDATION POURED PRIOR TO BUILDING DEPARTMENTS APPROVAL OF THESE GENERICs, **IS CONSIDERED "BY OTHERS"**, AND IT'S DESIGN IS NO LONGER CERTIFIABLE BY THIS ENGINEER OF RECORD.

ANCHORAGE NOTES:

1. ANCHORS ARE TO BE CONCRETE WEDGE OR EXPANSION ANCHORS.
2. MIN. EMBEDMENT DEPTH TO BE 3".
3. MINIMUM SPACING BETWEEN TWO ADJACENT ANCHORS TO BE 4".
4. ANCHORS TO BE SPACED NO MORE THAN 6" FROM POSTS.
5. REF. TABLE 11 FOR ANCHORAGE SCHEDULE.
 - IN LOCATIONS REQUIRING TWO ANCHORS DUE TO WIND, ONE ANCHOR IS TO BE ON EACH SIDE OF THE COLUMN POST.
 - AT MINIMUM, **1** CONCRETE ANCHOR SHALL BE LOCATED NEXT TO EVERY POST AND **1** ANCHOR ON EITHER SIDE OF OPENINGS.
 - AT MINIMUM, **2** ANCHORS SHALL BE INSTALLED AT CORNERS OF ENCLOSED BUILDINGS WITH END WALLS - ONE ON EACH BASE RAIL.

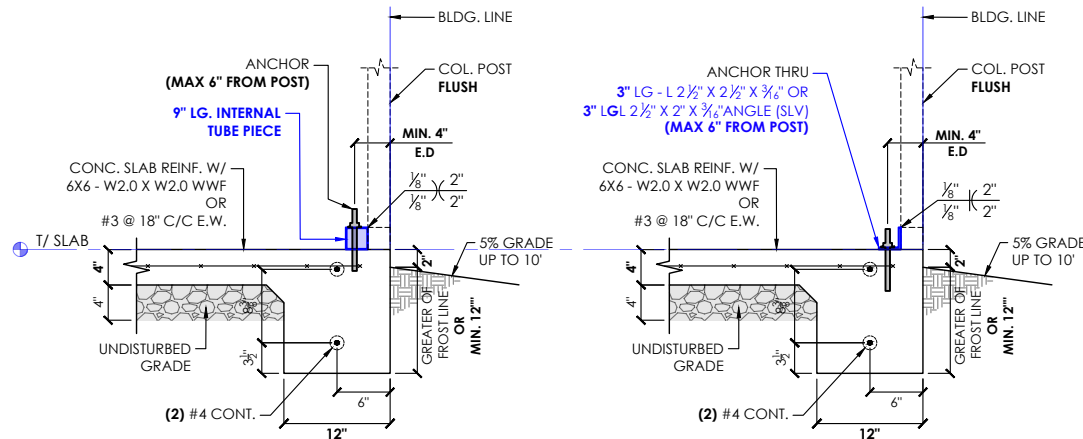


FLUSH CONCRETE SLAB

SCALE : NTS

TABLE 11 : ANCHORAGE SCHEDULE

ENCLOSURE	WIND SPEED (MPH)	ANCHOR SIZE/NUMBER
ENCLOSED	105 TO 135	(1) 1/2"Ø X 7"
	136 TO 180	(2) 1/2"Ø X 7"
OPEN	105 TO 135	(1) 1/2"Ø X 7"
	136 TO 180	(2) 1/2"Ø X 7"



1

FLUSH PERIMETER DETAIL

SCALE : NTS

MANUFACTURED BY:



ENGINEERED BY:



DRAWING INFORMATION

PROJECT: 24' WIDE

LOCATION: STATE OF MICHIGAN

PROJECT NO.: 227-25-2582

SHEET TITLE:

FOUNDATION OPTION 1:
FLUSH CONCRETE SLAB

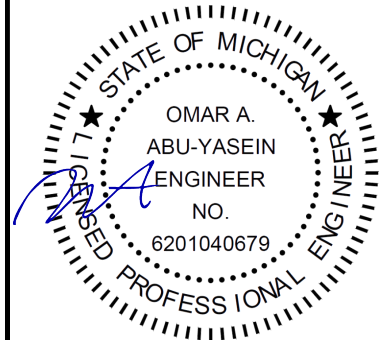
SHEET NO.: 11-A / 11

CHECKED BY: OAA DATE: 1/25/24

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SEAL:



STAMP EXPIRY: 03-24-2028

DATE SIGNED: 04-14-2026

TABLE 11-B.1: ANCHOR SCHEDULE

ENCLOSURE	WIND SPEED (MPH)	ANCHOR SIZE/NUMBER
ENCLOSED	105 TO 135	(1) 1/2"Ø X 7"
	136 TO 180	(2) 1/2"Ø X 7"
OPEN	105 TO 135	(1) 1/2"Ø X 7"
	136 TO 180	(2) 1/2"Ø X 7"

NOTES:

1. ANCHORS ARE TO BE CONCRETE WEDGE OR EXPANSION ANCHORS.
2. MIN. EMBEDMENT DEPTH TO BE 2 $\frac{1}{2}$ ".
3. ANCHORS TO BE SPACED NO MORE THAN 6" FROM POSTS.

TABLE 11-B.2: CONC. STRIP SCHEDULE

WIND SPEED (MPH)	MIN. SIZE REQD.
105 TO 130	15" X 12"
131 TO 155	24" X 12"
165 TO 180	30" X 12"
	24 X 15"
	20" X 18"

NOTES:

1. WIDTH AND DEPTH DIMENSIONS CAN BE INTERCHANGED.

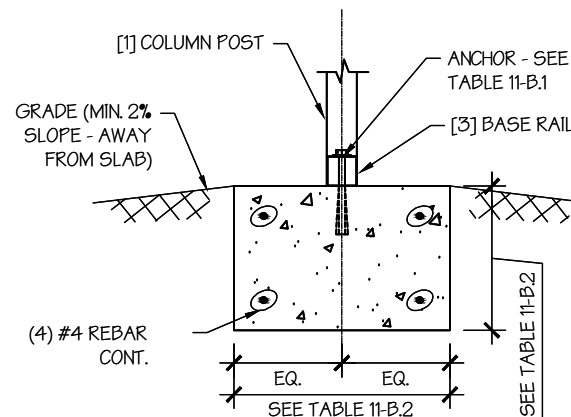
FOOTING OPTIONAL AT OPEN
END WALLS AND OVERHEAD
DOOR OPENINGS

CONCRETE STRIP FOUNDATION NOTES:

1. DESIGNS SHOWN ON THIS SHEET ARE FOR CONCRETE STRIP FOUNDATION. ANY OF THE FOUNDATIONS SHOWN ON SHEETS 11-A THRU C CAN BE USED.
2. CONCRETE ANCHORS SHALL BE LOCATED NEXT TO EVERY POST AND ON EITHER SIDE OF OPENINGS. TWO ANCHORS SHALL BE INSTALLED AT CORNERS OF ENCLOSED BUILDINGS WITH END WALLS - ONE ON EACH BASE RAIL. IN LOCATIONS REQUIRING TWO ANCHORS DUE TO WIND, ONE ANCHOR IS TO BE ON EACH SIDE OF THE COLUMN POST.
3. MIN. NUMBER OF CONCRETE ANCHORS PER POST SHALL BE AS SHOWN IN TABLE 11-B.1.
4. ANCHORS IN CLOSE PROXIMITY TO EACH OTHER MUST HAVE A MIN. 4" SPACING.
5. DEPTH OF CONCRETE STRIP FOOTING SHALL BE GREATER THAN FROST DEPTH SPECIFIED PER LOCAL CODE.
6. ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF.
7. CONCRETE STRENGTH TO BE A MIN. OF 2500 PSI @ 28 DAYS.
8. BUILDING IS TO BE MOUNTED ON THE CENTER OF THE STRIP FOUNDATION.

CONCRETE STRIP FOUNDATION

SCALE: NTS



CONCRETE STRIP FOUNDATION DETAIL

SCALE: NTS

MANUFACTURED BY:



ENGINEERED BY:



DRAWING INFORMATION

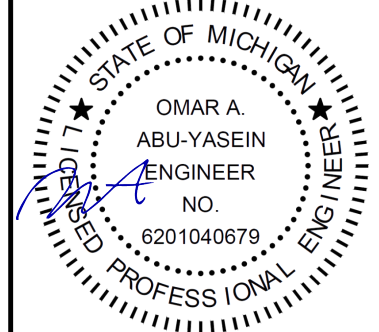
PROJECT: 24' WIDE
LOCATION: STATE OF MICHIGAN
PROJECT NO.: 227-25-2582
SHEET TITLE: FOUNDATION OPTION 2:
CONCRETE STRIP
SHEET NO.: 11-B / 11

CHECKED BY: OAA DATE: 1/25/24

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STAMP EXPIRY: 03-24-2028

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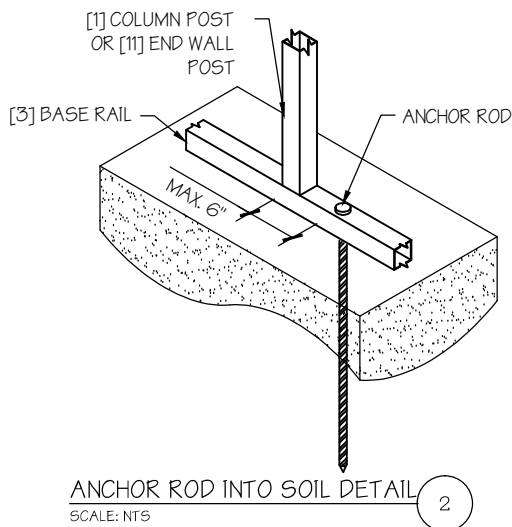
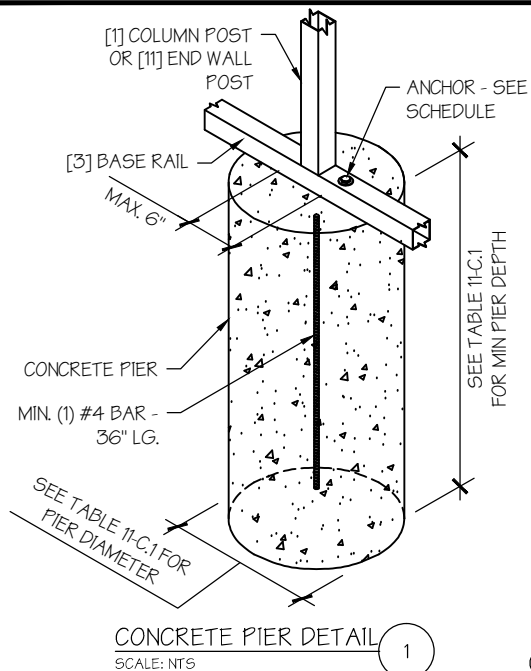
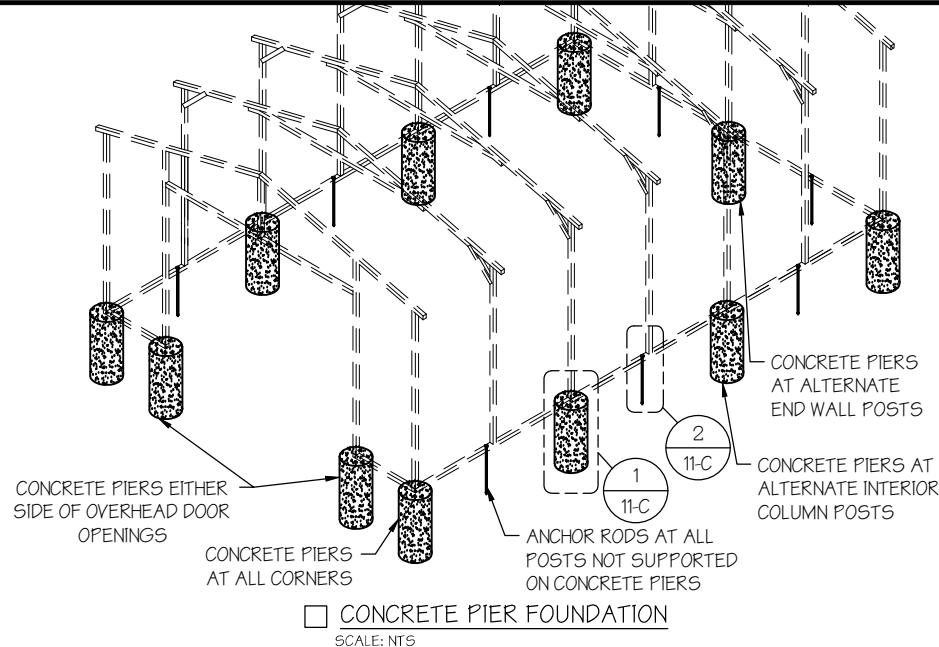


TABLE 11-C.1: CONC. PIER SCHEDULE

WIND SPEED (MPH)	MIN. SIZE REQD.
105 TO 130	24"Ø X 36"
136 TO 155	24"Ø X 42"
165 TO 180	24"Ø X 48"



CONCRETE PIER FOUNDATION NOTES:

- DESIGNS SHOWN ON THIS SHEET ARE FOR CONCRETE PIER FOUNDATION. ANY OF THE FOUNDATIONS SHOWN ON SHEETS 11-A THRU C CAN BE USED.
- CONCRETE PIERS SHALL BE LOCATED AT ALL 4 CORNERS, ON EACH SIDE OF OVERHEAD DOOR OPENINGS AND ON ALTERNATE INTERIOR COLUMN POSTS AND END WALLS POSTS.
- TWO ANCHORS SHALL BE INSTALLED AT CORNERS OF ENCLOSED BUILDINGS WITH END WALLS - ONE ON EACH BASE RAIL. IN LOCATIONS REQUIRING TWO ANCHORS DUE TO WIND, ONE ANCHOR IS TO BE ON EACH SIDE OF THE COLUMN POST WITH A PIER.
- ANCHORS IN CLOSE PROXIMITY TO EACH OTHER MUST HAVE A MIN. 4" SPACING.
- MIN. NUMBER OF CONCRETE ANCHORS PER POST WITH A PIER SHALL BE AS SHOWN IN TABLE 11-C.2.
- TWO ANCHORS AND A PIER ARE REQUIRED AT DIAGONAL BRACING LOCATIONS WHEN REQUIRED.
- ALL POSTS NOT SUPPORTED ON CONCRETE PIERS SHALL BE ANCHORED TO THE GROUND WITH A 1/2" X 30" LG. THREADED ROD. RODS WILL HAVE A PRE-FORMED HEAD AT THE TOP AND ONE COAT OF RUST PROOF MATERIAL.
- PIERS SHALL BE FORMED BY DIGGING A HOLE OF THE SAME SIZE AS THE PIER ON LEVEL GRADE AND FILLING IT WITH CONCRETE. THRD. ROD ANCHORS SHOULD BE DROPPED INTO THE PIERS PRIOR TO POURING THE CONCRETE.
- ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF.
- CONCRETE STRENGTH TO BE A MIN OF 2500 PSI @ 28 DAYS.

TABLE 11-C.2: ANCHOR SCHEDULE

ENCLOSURE	WIND SPEED (MPH)	ANCHOR SIZE/NUMBER
ENCLOSED	105 TO 135	(1) 1/2"Ø X 7"
	136 TO 180	(2) 1/2"Ø X 7"
OPEN	105 TO 135	(1) 1/2"Ø X 7"
	136 TO 180	(2) 1/2"Ø X 7"

NOTES:

- ANCHORS ARE TO BE CONCRETE WEDGE OR EXPANSION ANCHORS.
- MIN. EMBEDMENT DEPTH TO BE 2 7/8".
- ANCHORS TO BE SPACED NO MORE THAN 6" FROM POSTS.

MANUFACTURED BY:



ENGINEERED BY:



DRAWING INFORMATION

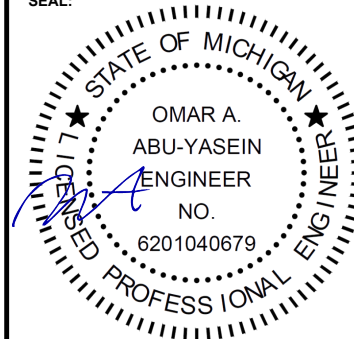
PROJECT: 24' WIDE
LOCATION: STATE OF MICHIGAN
PROJECT NO.: 227-25-2582
SHEET TITLE: FOUNDATION OPTION 3: CONCRETE PIERS
SHEET NO.: 11-C / 11

CHECKED BY: OAA DATE: 1/25/24

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SEAL:



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PLYCO Series 95EV Door

SIZES

2/6 x 6/8 2/8 x 6/8 3/0 x 6/8 3/6 x 6/8 4/0 x 6/8 Dbl. 6/0 x 6/8 Dbl. 8/0 x 6/8
3/0 x 7/0 3/6 x 7/0 4/0 x 7/0 Dbl. 6/0 x 7/0 Dbl. 8/0 x 7/0

OVERALL DIMENSIONS

a) For correct out to out dimensions see Data Sheet DO-3, 3068 size is 38" x 81 3/8"
b) For Rough Opening dimensions, use dimensions (above - a) and add 1/2" to width and 3/8" to height.
Double doors have attached astragal on the inactive panel of the pair - shipped knocked-down. Hinges are attached to jambs. Manual head and foot bolt concealed in the astragal with full header

MULLION / ASTRAGAL

(3) 4" x 4" zinc plated fixed-pin hinges are standard, SS/NRP available as an option

HINGES

THRESHOLD

Aluminum

DOOR PANEL

THICKNESS

1 3/4"

SKIN

Smooth 26 ga. Galvanized steel painted finish Polar White

EDGES

Rolled edge in aluminum core rails

BLOCKING

HDPE lock reinforced structure, optional closer blocking
Special lock blocking is available

INSULATION

Panel R-13

EMBOSSING

3/0 x 6/8 only - Six panel style

COLORS

Available in Polar White and Chocolate Brown

LOCK FACE PREP

Standard with 2 1/8" lockset bore, backset of 2 3/4" (no bore is optional)

DEAD BOLT

Prep is optional, latchguard available as an option

SWEEP

Durable Alcryn Bulb & fin

LITE KITS

1-LI-2 20" x 24" Insulated	1-LA-2 20" x 24" Single glazed
1-LE-2 16" x 16" Insulated	1-LB-2 22" x 36" Insulated
1-LU-2 4" x 48" Single glazed	9-LB-2 22" x 36" Insulated with 9-Lite internal grids
1-LS-2 4" x 48" Insulated	

Other glass sized available - lite kits listed above are most common

JAMB

TYPE

PREHUNG with kerf 3 1/2"

MATERIAL

16 ga Steel galvanized pre-painted

FEATURES

Q-Lon Weather Seal kerf seal

FLASHING

N/A

TESTING

AMMA/WDMA/CSA 101/I.S.2/A440-08 - Standard - NAFS - Certified Performance Label Available.

Air Infiltration	ASTM-E283	<.20 CFM/ft	Passed
Water Penetration	ASTM-E331	No leakage	Passed
Physical Endurance	AAMA 920	100,000 cycles	Passed
Forced Entry Resistance	AMMA 1304	300 lb. Point Load	Passed
Wind-Storm Resistance (Flush Doors, up to 3070)	ASTM-E330-02	Single Lock	+/-50 psf Class LC-PG50 (38x86)
		Deadlock added	+/-75 psf Class LC-PG75 (38x86)

(See Texas Product Evaluation #DR-538 & Florida FBC Product Approval #FL14800 95EV)



PLYCO
CORPORATION
PO BOX 386 • ELKHART LAKE, WI 53020

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WINDOWS • WALK DOORS • WALL VENTS • RIDGE VENTS
SLIDING DOOR TRACK • SLIDE DOOR RAILS • PLY-FOIL INSULATION
HORSE STALLS • FASTENERS & CLOSURES • SPECIALTY PRODUCTS

Due to Plyco Corporation's ongoing commitment to product improvement, we reserve the right to change, without notice, product specifications, availability.

127-18-1

TIMBERLAND PRODUCT INFORMATION



25 gauge in white with 24" x 12" windows

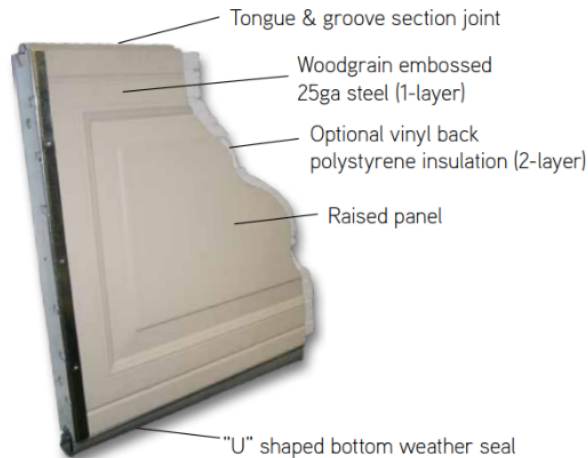
ADDITIONAL FEATURES

- Woodgrain embossed, hot-dipped galvanized steel is pre-finished exterior & interior then coated with baked-on polyester primer and acrylic finish.
- Optional polystyrene insulation reduces heat loss and features a laminated vinyl High Impact Thermal Styrene (HITS) backer.
- Wind load package available.
- Keyed or slide lock set.
- Nylon rollers for quiet operation.
- Window glass available - double strength or insulated.
- Environmentally-friendly polystyrene insulation.

WHY CHOOSE NORTH CENTRAL DOOR?

North Central Door Company understands that you have high standards when it comes to enhancing the appearance of your home. That is why we have been uncompromising in maintaining the high quality of our products since our beginning in 1966.

CONSTRUCTION



- 2" sections available with optional polystyrene insulation to increase thermal efficiency.
- 25-gauge woodgrain embossed exterior steel provides strength and durability.
- Raised panel design, in short and long panel versions, or woodgrain embossed ribbed design.
- Tongue and groove section joints create a weather-resistant seal against rain, snow and wind.
- 18 gauge stiles are mechanically fastened, providing section strength while eliminating welds that often rust.
- Hinges are 14-gauge, hot-dipped galvanized steel for lasting durability.
- Heavy-duty "U" shaped bottom weather seal helps protect against elements.
- R-value of 6.9 (2-layer)

For complete specifications, visit northcentraldoor.com