



HISTORIC PRESERVATION COMMISSION

Marc Elrich
County Executive

Robert K. Sutton
Chairman

Date: August 15, 2024

MEMORANDUM

TO: Rabbiah Sabbakhan, Director
Department of Permitting Services

FROM: Laura DiPasquale
Historic Preservation Section
Maryland-National Capital Park & Planning Commission

SUBJECT: Historic Area Work Permit # 1067618 - Construction of accessory structure

The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached application for a Historic Area Work Permit (HAWP). This application was **approved** at the August 14, 2024 HPC meeting.

The HPC staff has reviewed and stamped the attached construction drawings.

THE BUILDING PERMIT FOR THIS PROJECT SHALL BE ISSUED CONDITIONAL UPON ADHERENCE TO THE ABOVE APPROVED HAWP CONDITIONS AND MAY REQUIRE APPROVAL BY DPS OR ANOTHER LOCAL OFFICE BEFORE WORK CAN BEGIN.

Applicant: Janice Johnson
Address: 23717 Woodfield Rd, Gaithersburg

This HAWP approval is subject to the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made. Once work is complete the applicant will contact Laura DiPasquale at 301-495-2167 or laura.dipasquale@montgomeryplanning.org to schedule a follow-up site visit.





**APPLICATION FOR
HISTORIC AREA WORK PERMIT**
HISTORIC PRESERVATION COMMISSION
301.563.3400

FOR STAFF ONLY:
HAWP# _____
DATE ASSIGNED _____

APPLICANT:

Name: _____ E-mail: _____
Address: _____ City: _____ Zip: _____
Daytime Phone: _____ Tax Account No.: _____

AGENT/CONTACT (if applicable):

Name: _____ E-mail: _____
Address: _____ City: _____ Zip: _____
Daytime Phone: _____ Contractor Registration No.: _____

LOCATION OF BUILDING/PREMISE: MIHP # of Historic Property _____

Is the Property Located within an Historic District? Yes/District Name _____
 No/Individual Site Name _____

Is there an Historic Preservation/Land Trust/Environmental Easement on the Property? If YES, include a map of the easement, and documentation from the Easement Holder supporting this application.

Are other Planning and/or Hearing Examiner Approvals /Reviews Required as part of this Application? (Conditional Use, Variance, Record Plat, etc.?) If YES, include information on these reviews as supplemental information.

Building Number: _____ Street: _____

Town/City: _____ Nearest Cross Street: _____

Lot: _____ Block: _____ Subdivision: _____ Parcel: _____

TYPE OF WORK PROPOSED: See the checklist on Page 4 to verify that all supporting items for proposed work are submitted with this application. Incomplete Applications will not be accepted for review. Check all that apply:

- | | | |
|---|--|--|
| <input type="checkbox"/> New Construction | <input type="checkbox"/> Deck/Porch | <input type="checkbox"/> Shed/Garage/Accessory Structure |
| <input type="checkbox"/> Addition | <input type="checkbox"/> Fence | <input type="checkbox"/> Solar |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Hardscape/Landscape | <input type="checkbox"/> Tree removal/planting |
| <input type="checkbox"/> Grading/Excavation | <input type="checkbox"/> Roof | <input type="checkbox"/> Window/Door |
| | | <input type="checkbox"/> Other: _____ |

I hereby certify that I have the authority to make the foregoing application, that the application is correct and accurate and that the construction will comply with plans reviewed and approved by all necessary agencies and hereby acknowledge and accept this to be a condition for the issuance of this permit.

Signature of owner or authorized agent _____
Date

HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFYING
[Owner, Owner's Agent, Adjacent and Confronting Property Owners]

| | |
|---|--|
| Owner's mailing address | Owner's Agent's mailing address |
| Adjacent and confronting Property Owners mailing addresses | |
| | |
| | |
| | |

Description of Property: Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property:

Description of Work Proposed: Please give an overview of the work to be undertaken:

REVIEWED

By Laura DiPasquale at 11:53 am, Aug 15, 2024

APPROVED

Montgomery County

Historic Preservation Commission



Work Item 1: _____

Description of Current Condition:

Proposed Work:

REVIEWED
By Laura DiPasquale at 11:53 am, Aug 15, 2024

APPROVED
Montgomery County
Historic Preservation Commission


Work Item 2: _____

Description of Current Condition:

Proposed Work:

Work Item 3: _____

Description of Current Condition:

Proposed Work:

SITE PLAN

23717 Woodfield Road
Gaithersburg, MD 20882

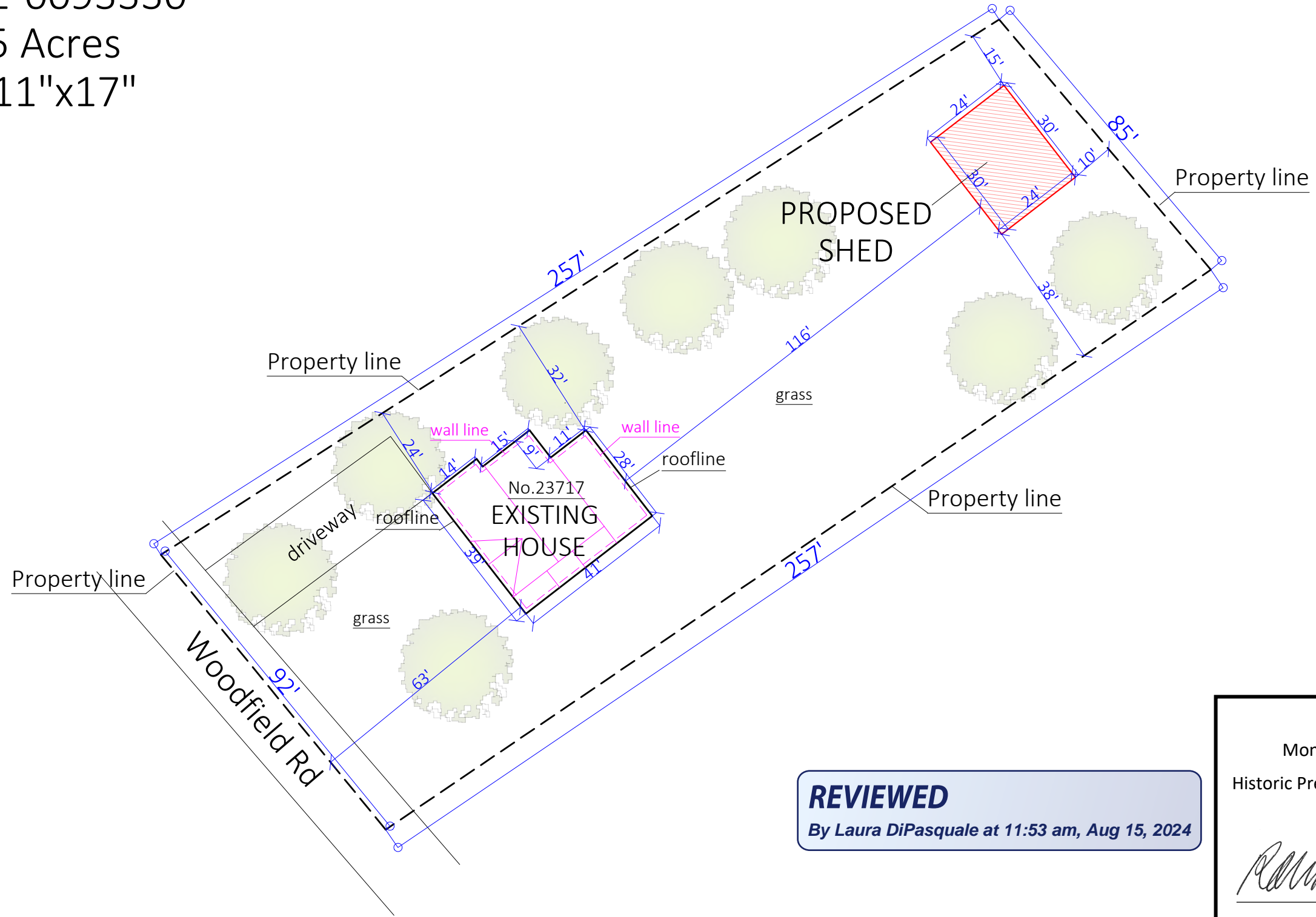
Parcel ID: 12-0093330

Lot area: 0.5 Acres

Paper Size: 11"x17"

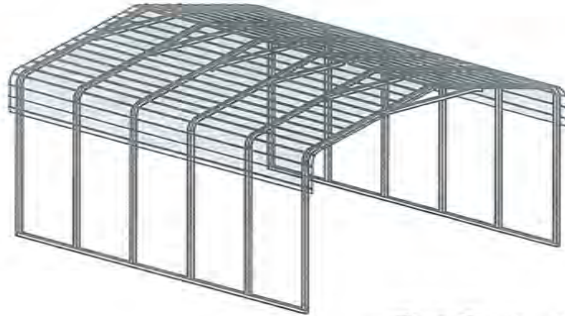


scale 1"=30'



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By Laura DiPasquale at 11:53 am, Aug 15, 2024

APPROVED
Montgomery County
Historic Preservation Commission



REGULAR / A-FRAME 24'-0" WIDE CARPORT STYLE BUILDINGS

DESIGN NOTES

1. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH IBC 2018, OSHA, AISC 360, AISI 100, ASCE 7-16, AWS D1.3 CODES AND ALL APPLICABLE LOCAL REQUIREMENTS.
2. ALL MATERIALS IDENTIFIED BY MANUFACTURER NAME MAY BE SUBSTITUTED WITH MATERIAL EQUAL OR EXCEEDING ORIGINAL.
3. ALL SHOP CONNECTIONS SHALL BE WELDED CONNECTIONS.
4. ALL STRUCTURAL FIELD CONNECTIONS SHALL BE #12-14 X 3/4" SDS (ESR-2196 OR EQ) WITHOUT WASHERS.
5. STEEL SHEATHING SHALL BE 29GA. CORRUGATED GALV. OR PAINTED STEEL - MAIN RID HT. 3/4" (FY=80KSI) OR EQ. CONNECTIONS SHALL BE #12-14 X 3/4" SDS (ESR-2196 OR EQ) WITH NEOPRENE WASHERS.
6. ALL STRUCTURAL LIGHT GAUGE TUBING AND CHANNELS SHALL BE GRADE 50 STEEL (FY = 50 KSI, FU = 65 KSI).
7. STRUCTURAL TUBE 2 1/2" X 2 1/2" - 14GA. IS EQUIVALENT TO TS 2 1/4" X 2 1/4" - 12GA. AND EITHER ONE MAY BE USED IN LIEU OF THE OTHER.
8. GYPSUM BOARD OR DRYWALL FINISH OR ANY BRITTLE BASE MATERIAL IS NOT CONSIDERED OR ACCOUNTED FOR ON THE DESIGN CRITERIA.
9. ALL DESIGN CRITERIA MUST BE INCREASED TO THE NEXT HIGHER INCREMENT BASED ON THE TABLES ON PAGE 4. NO INTERPOLATION IS ALLOWED.

DESIGN CRITERIA

| | |
|-----------------------------|---|
| PREVAILING CODE: | MBPS (IBC 2018) |
| USE GROUP: | U (CARPORTS, BARNS) |
| RISK CATEGORY: | I |
| 1. DEAD LOAD (D) | D = 4 PSF |
| 2. ROOF LIVE/SNOW LOAD (Lr) | Lr = 20 - 61 PSF (AS PER SNOW LOAD SEE TABLE 4) |
| 3. SNOW LOAD (S) | |
| GROUND SNOW LOAD | P _g = 20 - 90 PSF |
| IMPORTANCE FACTOR | I _s = 0.8 |
| THERMAL FACTOR | C _t = 1.2 |
| EXPOSURE FACTOR | C _e = 1.0 |
| ROOF SLOPE FACTOR | C _s = 1.0 |
| 4. WIND LOAD (W) | |
| BASIC WIND SPEED | V _{ULT} = 105 - 180 MPH |
| EXPOSURE | C |
| 5. SEISMIC LOAD (E) | |
| DESIGN CATEGORY | D |
| IMPORTANCE FACTOR | I _e = 1.00 |

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)

DRAWING INDEX

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

REVIEWED

By Laura DiPasquale at 11:53 am, Aug 15, 2024

APPROVED

Montgomery County

Historic Preservation Commission

MANUFACTURED BY:



457 N. Broadway,
Joshua, TX 76058
1-866-730-9865

ENGINEERED BY:



A&A ENGINEERING
CIVIL • STRUCTURAL
6036 Renaissance Place, Toledo, OH 43623
Tel. 419-292-1983 • Fax 419-292-0955
www.a-a-engineers.com

DRAWING INFORMATION

PROJECT: 24'-0" WIDE BUILDINGS

LOCATION: STATE OF MARYLAND

PROJECT NO.: 033-22-0243

SHEET TITLE:

COVER SHEET

SHEET NO.: 1 / 11

DRAWN BY: A.W. DATE: 2/9/22

CHECKED BY: OAA DATE: 2/9/22

LEGAL INFORMATION

- ANY DUPLICATION OF THIS DRAWING IN WHOLE OR PART IS STRICTLY FORBIDDEN. ANYONE DOING SO WILL BE PROSECUTED UNDER THE FULL EXTENT OF THE LAW.
- DRAWINGS VALID UP TO DATE OF EXPIRATION.

SEAL:



STAMP EXPIRY: **07-23-2024**

DATE SIGNED: **07-30-2022**

CUSTOMER INFORMATION

OWNER:
ADDRESS:

DESIGN LOADS

GROUND SNOW:

ROOF LIVE LOAD:

BASIC WIND SPEED:

WIDTH:

LENGTH:

HEIGHT:

BUILDING INFORMATION

FRAME TYPE:

ENCLOSURE TYPE:

- A-FRAME
 REGULAR
 FULL
 PARTIAL
 OPEN

CERTIFICATION VALIDITY NOTICE

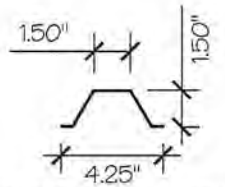
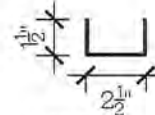
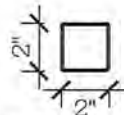
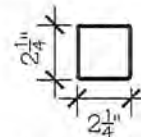
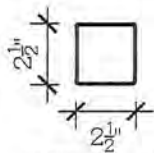
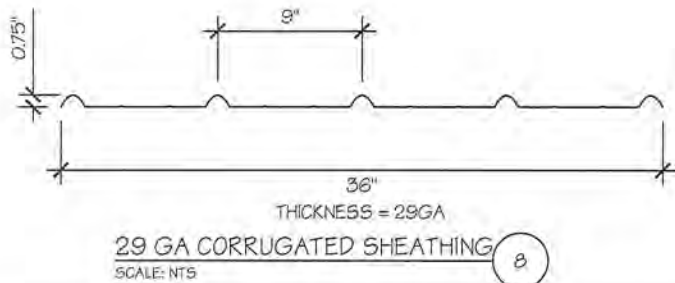
TABLE 2.1: MEMBER PROPERTIES

| 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" 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 | 4.25" X 1.5" X 14GA / 18GA HAT CHANNEL | 5 |
| 9 | GIRT | 4.25" X 1.5" 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

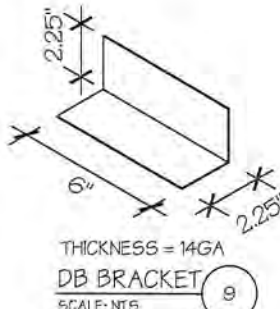
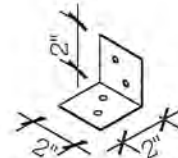
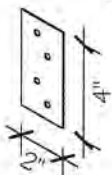
| LOCATION | CORNER PANELS | SIDE LAPS | EDGE LAPS | ELSEWHERE |
|----------|---------------|-----------|------------|-----------|
| SPACING | 9" C/C | MIN. 1 | 4 1/2" C/C | 9" C/C |

FASTENER TYPE: #12X1" SELF-DRILL SCREWS (ESR-2196 OR EQ) W/ NEOPRENE/STEEL WASHER
 *SEE TYP. SHEATHING FASTENER SCHEDULE DIAGRAM ON PAGE 6.



REVIEWED
 By Laura DiPasquale at 11:54 am, Aug 15, 2024

APPROVED
 Montgomery County
 Historic Preservation Commission
Robert A. Postma



MANUFACTURED BY:



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 Joshua, TX 76058
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DRAWING INFORMATION

PROJECT: 24'-0" WIDE BUILDINGS
 LOCATION: STATE OF MARYLAND
 PROJECT NO.: 033-22-0243
 SHEET TITLE:

SCHEDULES & MEMBER SECTIONS

SHEET NO.: 2 / 11

DRAWN BY: A.W. DATE: 2/9/22

CHECKED BY: OAA DATE: 2/9/22

LEGAL INFORMATION

- ANY DUPLICATION OF THIS DRAWING IN WHOLE OR PART IS STRICTLY FORBIDDEN. ANYONE DOING SO WILL BE PROSECUTED UNDER THE FULL EXTENT OF THE LAW.
 - DRAWINGS VALID UP TO DATE OF EXPIRATION.

SEAL:



STAMP EXPIRY: 07-23-2024

DATE SIGNED: 07-30-2022

MANUFACTURED BY:



457 N. Broadway,
Joshua, TX 76058
1-866-730-9865

ENGINEERED BY:



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CIVIL • STRUCTURAL
6036 Renaissance Place, Toledo, OH 43623
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www.aandeng.com

DRAWING INFORMATION

PROJECT: 24'-0" WIDE BUILDINGS

LOCATION: STATE OF MARYLAND

PROJECT NO.: 033-22-0243

SHEET TITLE:

FRAME SECTIONS & DETAILS

SHEET NO.: 3-A / 11

DRAWN BY: A.W. DATE: 2/9/22

CHECKED BY: OAA DATE: 2/9/22

LEGAL INFORMATION

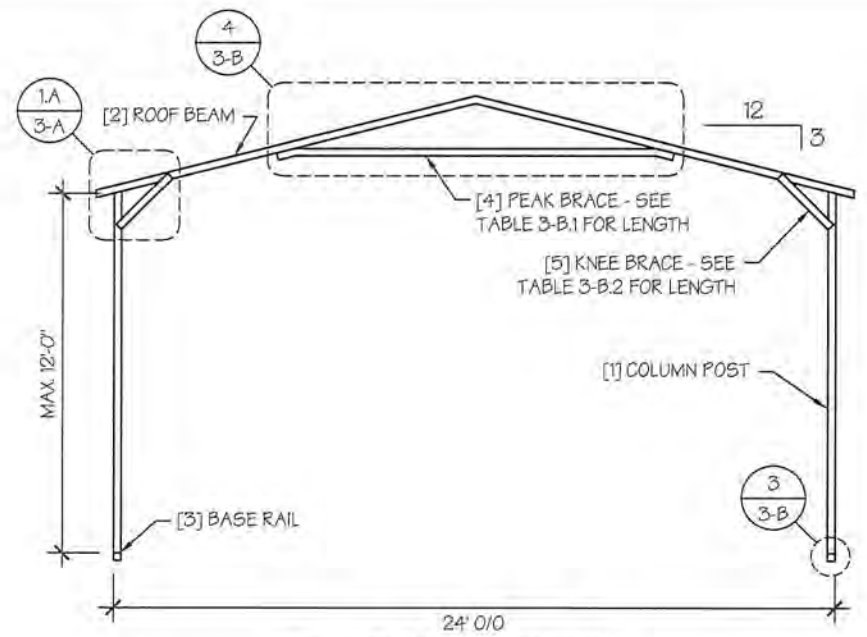
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SEAL:

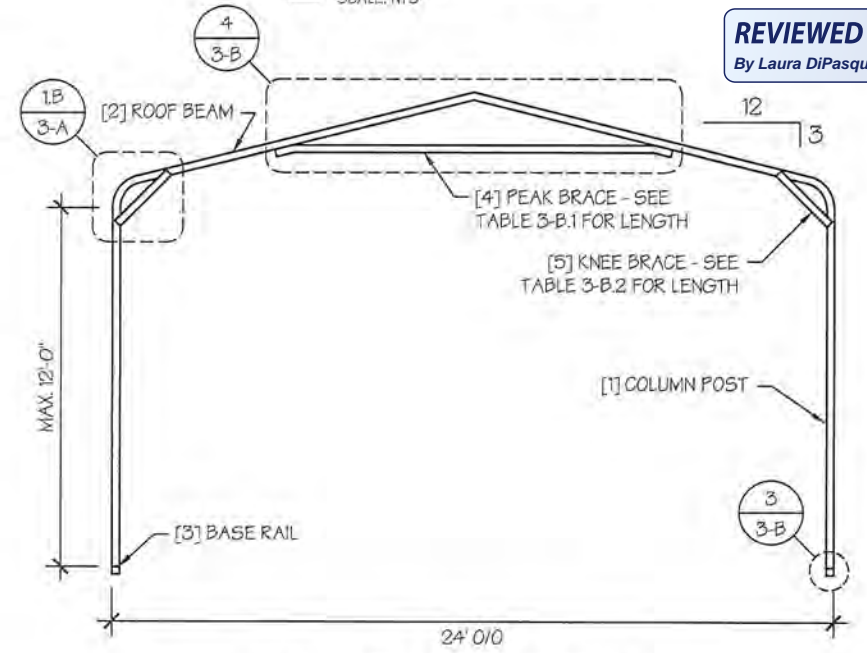


STAMP EXPIRY: **07-23-2024**

DATE SIGNED: **07-30-2022**



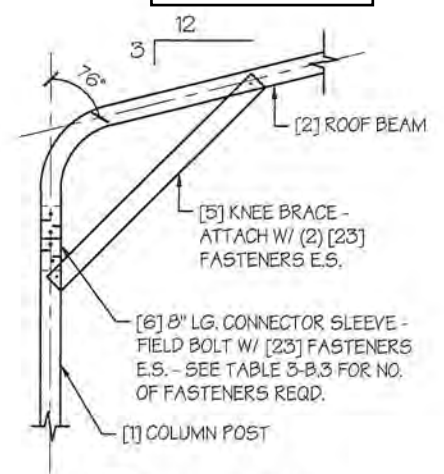
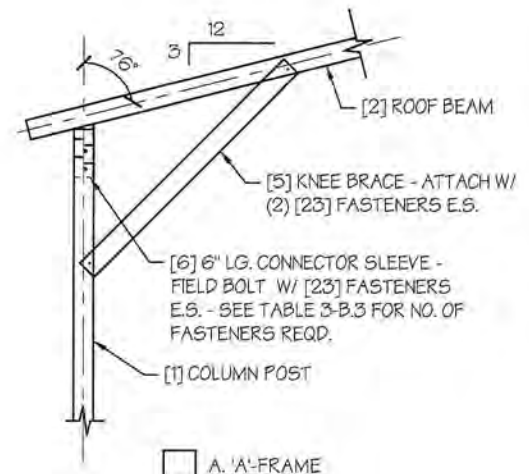
TYP. A-FRAME SECTION
SCALE: NTS



TYP. REGULAR FRAME SECTION
SCALE: NTS

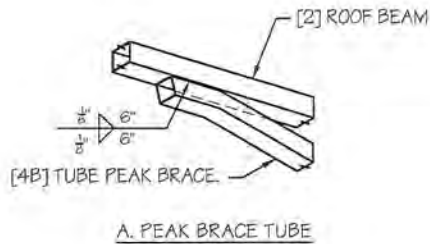
REVIEWED
By Laura DiPasquale at 11:54 am, Aug 15, 2024

A. A-FRAME
APPROVED
Montgomery County
Historic Preservation Commission
[Signature]

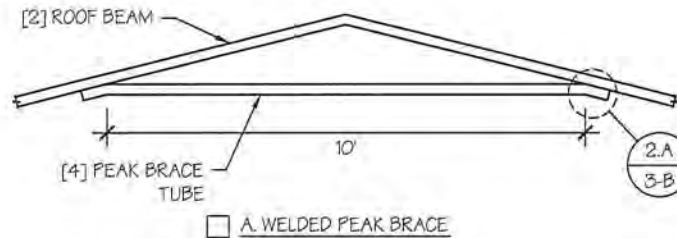


B. REGULAR-FRAME

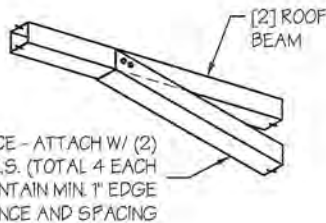
EAVE DETAIL
SCALE: NTS **1**



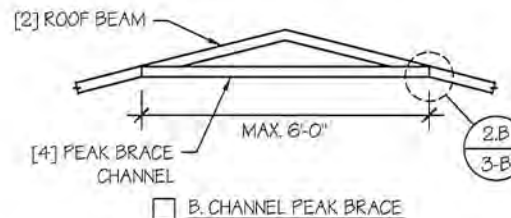
A. PEAK BRACE TUBE



A. WELDED PEAK BRACE



B. PEAK BRACE CHANNEL



B. CHANNEL PEAK BRACE

PEAK BRACE DETAILS

SCALE: NTS

4

PEAK BRACE CONNECTION DETAILS


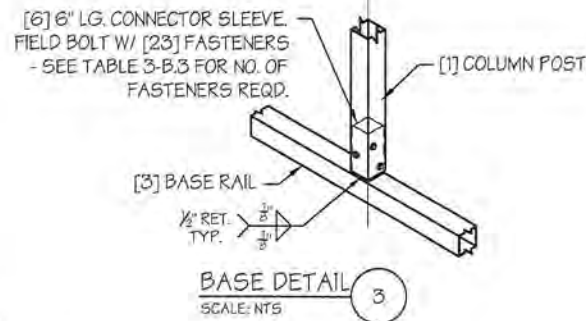
SCALE: NTS

2

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By Laura DiPasquale at 11:54 am, Aug 15, 2024

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Historic Preservation Commission

BASE DETAIL

SCALE: NTS

3

TABLE 3-B.1: PEAK BRACE SCHEDULE

| GROUND SNOW / ROOF LIVE LOAD (PSF) | WIND SPEED | |
|------------------------------------|------------|------------|
| | 105 TO 130 | 140 TO 180 |
| 30 / 20 | 6' | 10' |
| 35 / 25 TO 90 / 61 | 10' | 10' |

TABLE 3-B.2: KNEE BRACE SCHEDULE

| EAVE HEIGHT | KNEE BRACE LENGTH |
|-------------|-------------------|
| UP 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 |

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

MANUFACTURED BY:



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1-866-730-9865

ENGINEERED BY:



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DRAWING INFORMATION

PROJECT: 24'-0" WIDE BUILDINGS

LOCATION: STATE OF MARYLAND

PROJECT NO.: 033-22-0243

SHEET TITLE:

FRAME DETAILS

SHEET NO.: 3-B / 11

DRAWN BY: A.W. DATE: 2/9/22

CHECKED BY: OAA DATE: 2/9/22

LEGAL INFORMATION

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SEAL:



STAMP EXPIRY: 07-23-2024

DATE SIGNED: 07-30-2022

MANUFACTURED BY:



457 N. Broadway,
Joshua, TX 76058
1-866-730-9865

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 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

REVIEWED
By Laura DiPasquale at 11:54 am, Aug 15, 2024

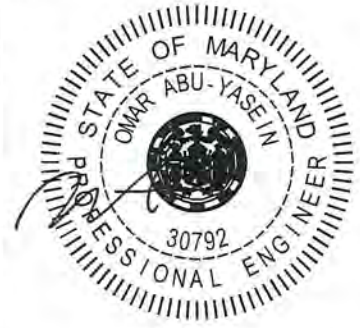
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Historic Preservation Commission
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DRAWING INFORMATION
PROJECT: 24'-0" WIDE BUILDINGS
LOCATION: STATE OF MARYLAND
PROJECT NO.: 033-22-0243
SHEET TITLE:
SPACING SCHEDULES & ENCLOSURE NOTES
SHEET NO.: 4 / 11
DRAWN BY: A.W. DATE: 2/9/22
CHECKED BY: OAA DATE: 2/9/22

LEGAL INFORMATION
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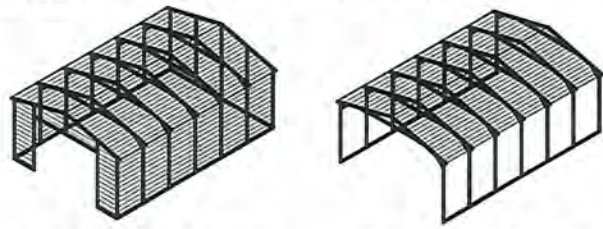


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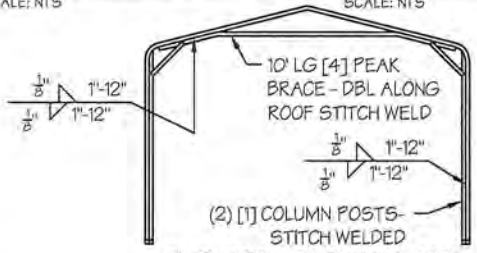
- NOTES:**
1. FRAME SPACINGS ARE IN UNITS OF INCHES (IN).
 2. WHERE TWO VALUES ARE SHOWN, THE HIGHER VALUE CAN ONLY BE USED FOR VERTICAL SHEATHING.
 3. SNOW LOADS AND ROOF LIVE LOADS ARE IN POUNDS PER SQUARE FOOT (PSF). WIND SPEED IS 3 SEC. GUST IN MILES PER HOUR (MPH).
 4. FOR VALUES THAT LIE BETWEEN 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.



TYP. ENCLOSED BUILDING SCALE: NTS
TYP. OPEN BUILDING SCALE: NTS



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

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.

TABLE 5.1: PURLIN SPACING SCHEDULE

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

REVIEWED

By Laura DiPasquale at 11:54 am, Aug 15, 2024

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Historic Preservation Commission

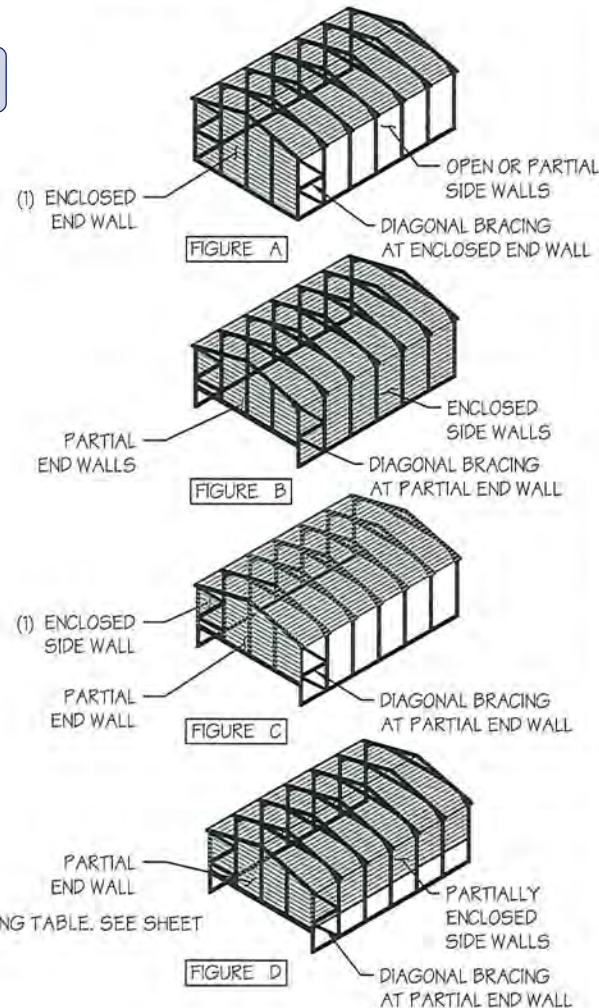
[Signature]

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
- FRAME SPACING NEEDS TO BE DETERMINED FROM TABLE 4.



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DRAWING INFORMATION

PROJECT: 24'-0" WIDE BUILDINGS

LOCATION: STATE OF MARYLAND

PROJECT NO.: 033-22-0243

SHEET TITLE:

PURLIN & GIRT
SPACING SCHEDULES

SHEET NO.: 5 / 11

DRAWN BY: A.W. DATE: 2/9/22

CHECKED BY: OAA DATE: 2/9/22

LEGAL INFORMATION

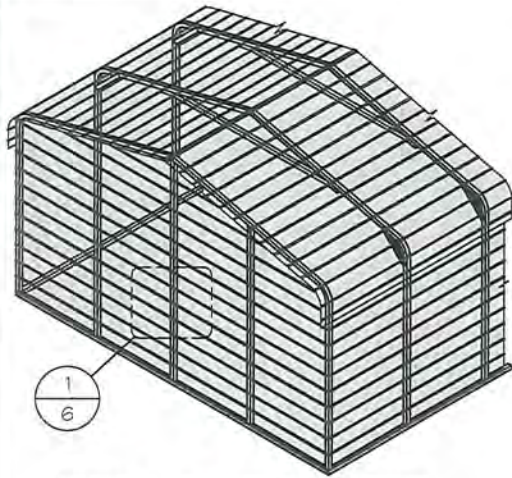
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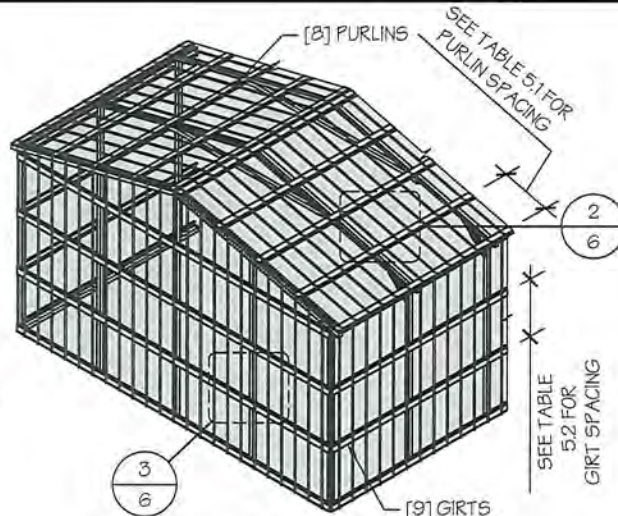


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TYP. HORIZONTAL SHEATHING
SCALE: NTS



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

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By Laura DiPasquale at 11:55 am, Aug 15, 2024

R. Williams

DRAWING INFORMATION

PROJECT: 24'-0" WIDE BUILDINGS

LOCATION: STATE OF MARYLAND

PROJECT NO.: 033-22-0243

SHEET TITLE:

SHEATHING OPTIONS
& DETAILS

SHEET NO.: 6 / 11

DRAWN BY: A.W. DATE: 2/9/22

CHECKED BY: OAA DATE: 2/9/22

LEGAL INFORMATION

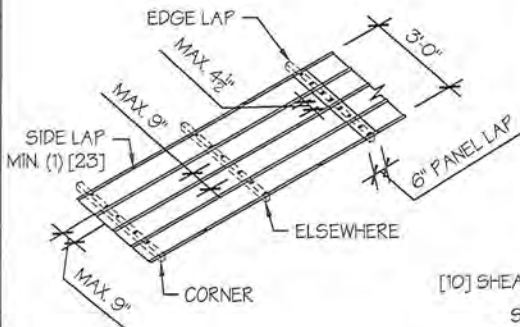
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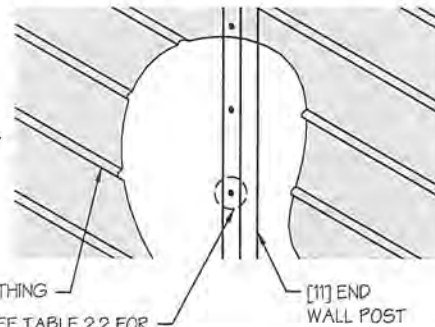


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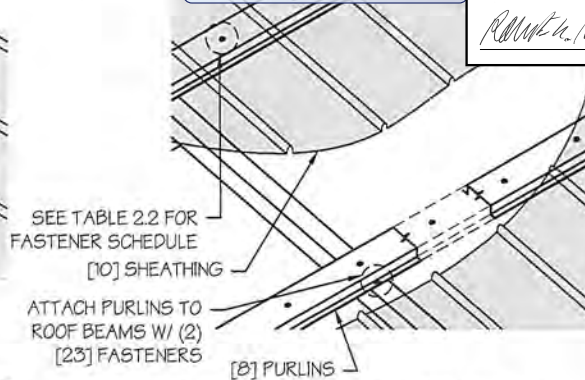
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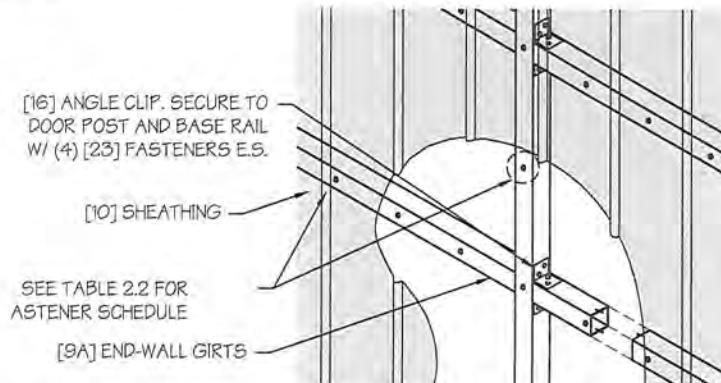
TYP. SHEATHING FASTENER SCHEDULE
SCALE: NTS



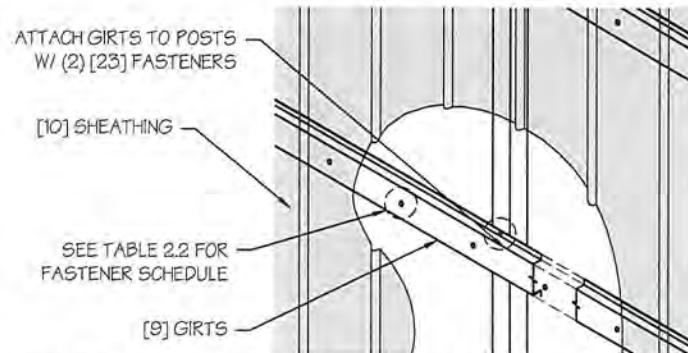
TYP. HORIZONTAL SHEATHING DETAIL 1
SCALE: NTS



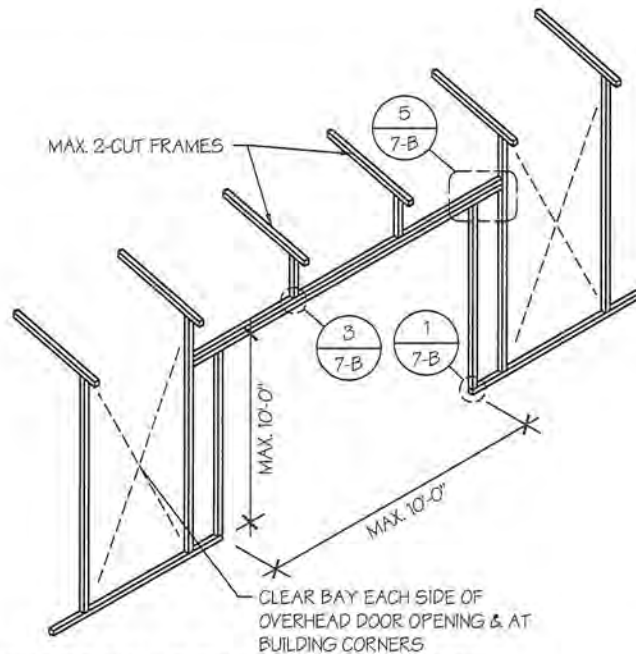
ROOF VERTICAL SHEATHING DETAIL 2
SCALE: NTS



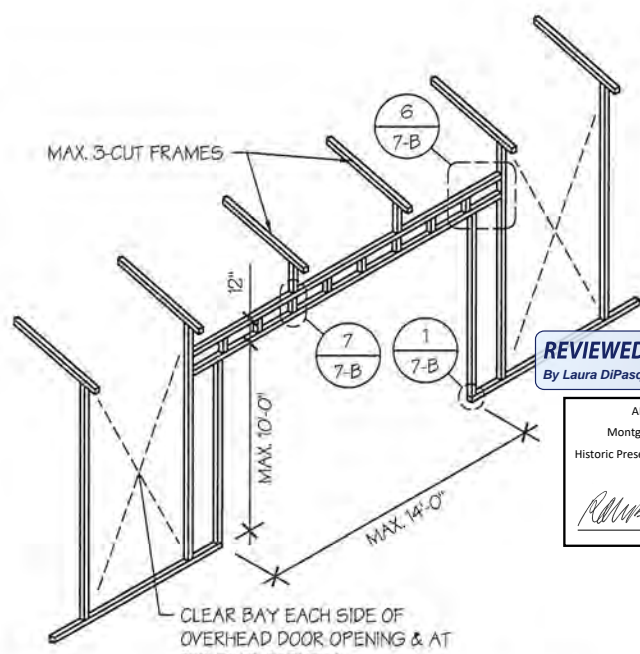
WALL VERTICAL SHEATHING - TUBE DETAIL 3
SCALE: NTS



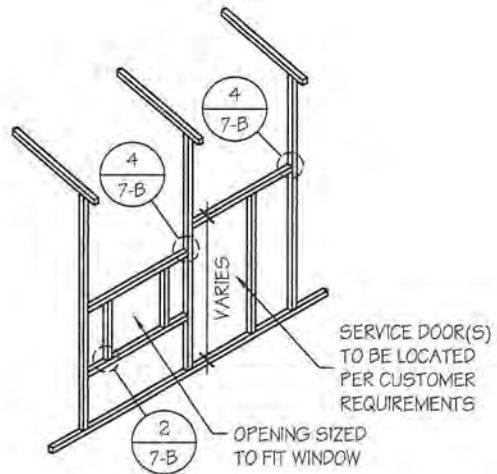
WALL VERTICAL SHEATHING - HAT CHANNEL DETAIL 3
SCALE: NTS



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.

REVIEWED
By Laura DiPasquale at 11:55 am, Aug 15, 2024

APPROVED
Montgomery County
Historic Preservation Commission
Robert L. Hoover

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DRAWING INFORMATION

PROJECT: 24'-0" WIDE BUILDINGS
LOCATION: STATE OF MARYLAND
PROJECT NO.: 033-22-0243
SHEET TITLE:
SIDE WALL FRAMING & OPENINGS

SHEET NO.: 7-A / 11
DRAWN BY: A.W. DATE: 2/9/22
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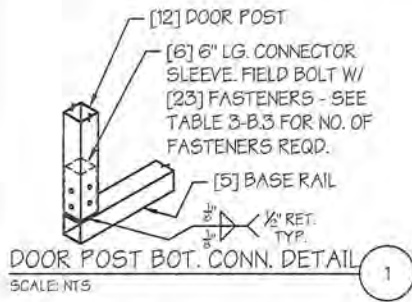
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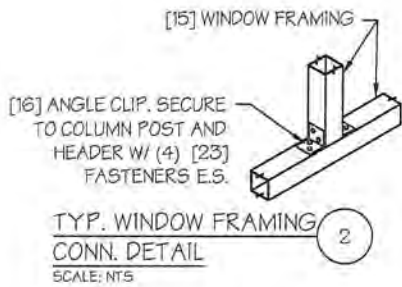
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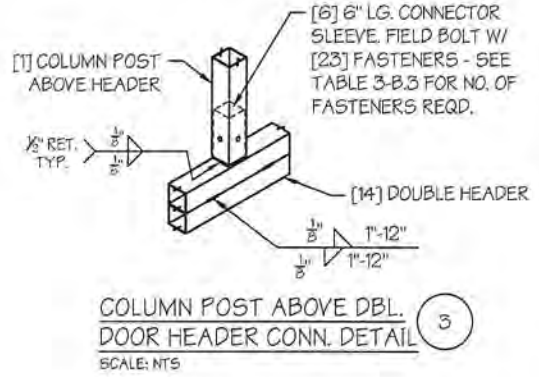
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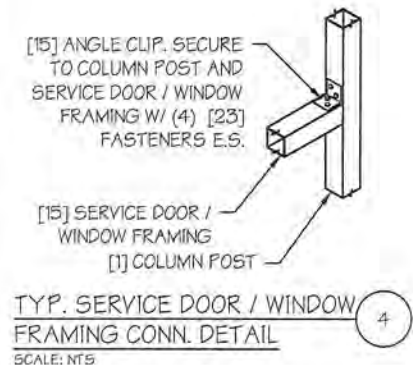
DOOR POST BOT. CONN. DETAIL 1
SCALE: NTS



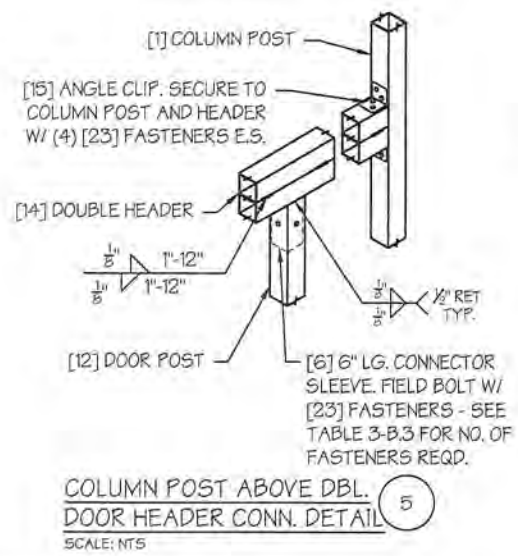
TYP. WINDOW FRAMING CONN. DETAIL 2
SCALE: NTS



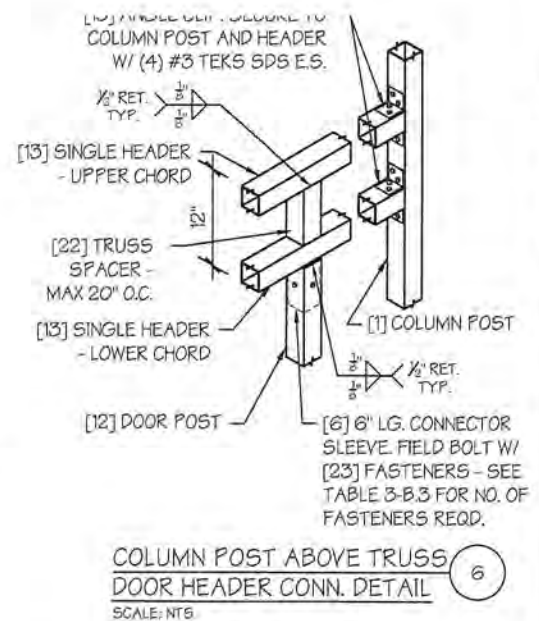
COLUMN POST ABOVE DBL. DOOR HEADER CONN. DETAIL 3
SCALE: NTS



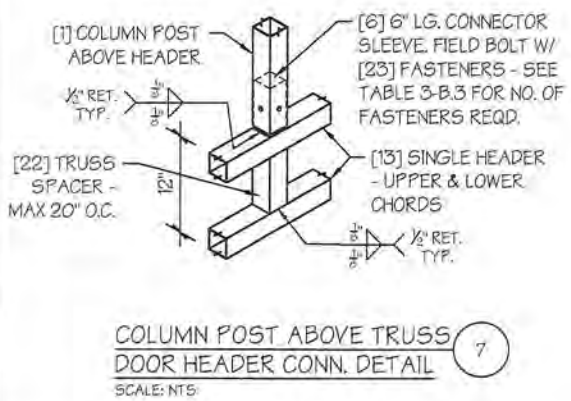
TYP. SERVICE DOOR / WINDOW FRAMING CONN. DETAIL 4
SCALE: NTS



COLUMN POST ABOVE DBL. DOOR HEADER CONN. DETAIL 5
SCALE: NTS



COLUMN POST ABOVE TRUSS DOOR HEADER CONN. DETAIL 6
SCALE: NTS



COLUMN POST ABOVE TRUSS DOOR HEADER CONN. DETAIL 7
SCALE: NTS

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DRAWING INFORMATION

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LOCATION: STATE OF MARYLAND

PROJECT NO.: 033-22-0243

SHEET TITLE:
SIDE WALL FRAMING DETAILS

SHEET NO.: 7-B / 11


DRAWN BY: A.W. DATE: 2/9/22

CHECKED BY: OAA DATE: 2/9/22

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DRAWING INFORMATION

PROJECT: 24'-0" WIDE BUILDINGS

LOCATION: STATE OF MARYLAND

PROJECT NO.: 033-22-0243

SHEET TITLE:

END WALL FRAMING

SHEET NO.: 8-A / 11

DRAWN BY: A.W. DATE: 2/9/22

CHECKED BY: OAA DATE: 2/9/22

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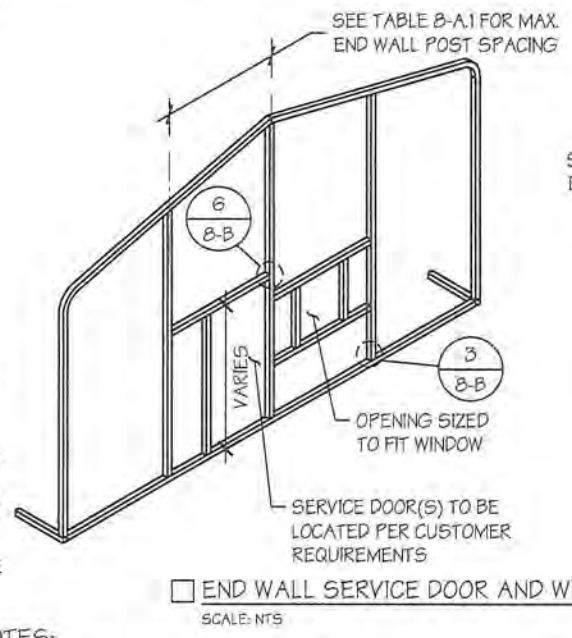
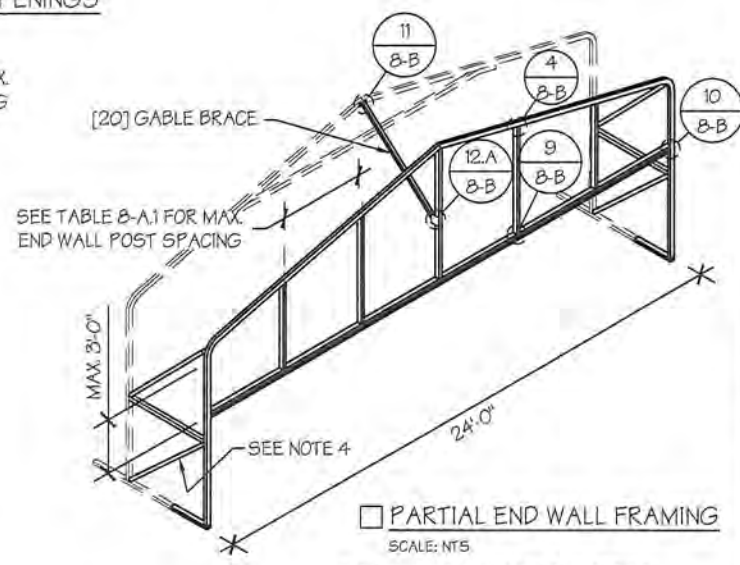
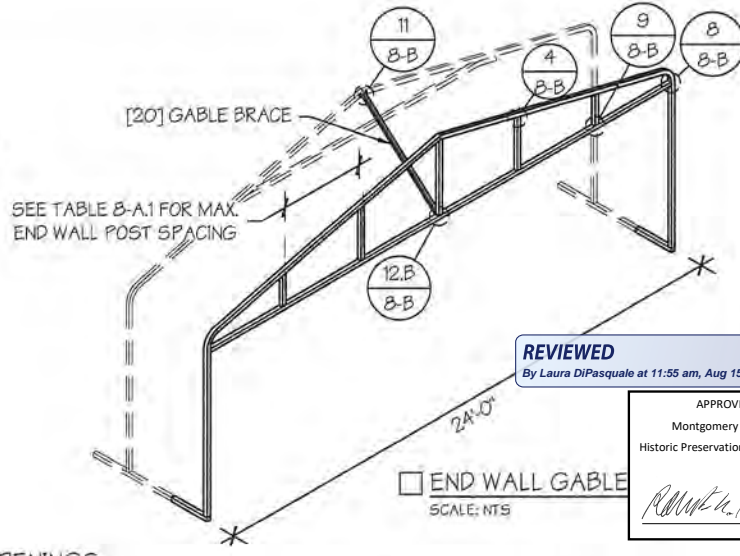
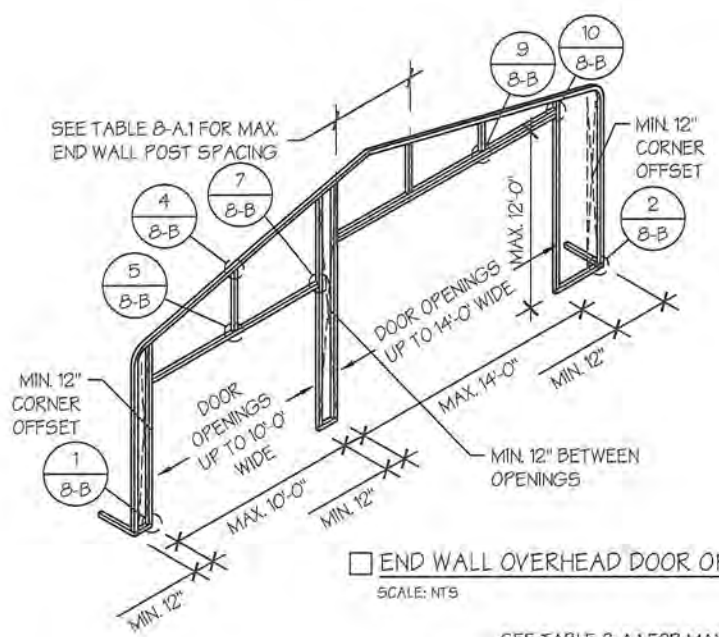
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GABLE BRACING NOTE

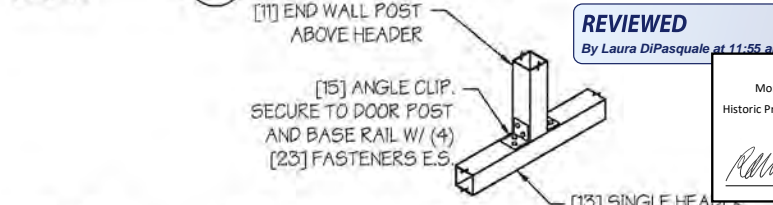
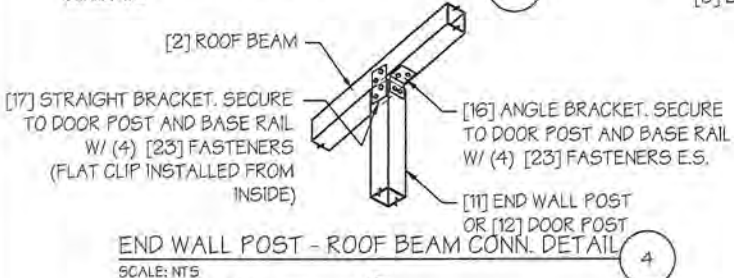
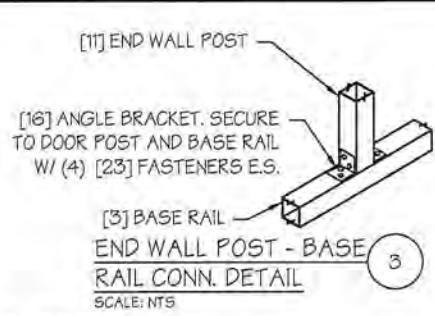
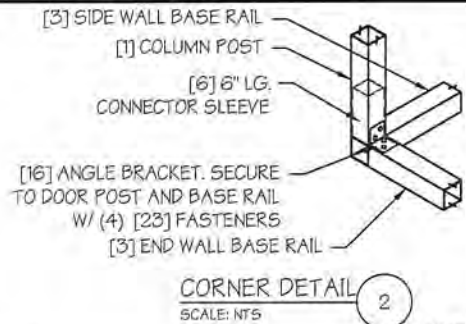
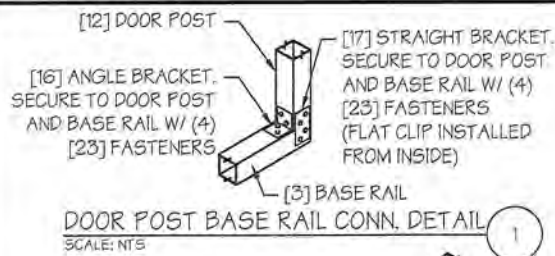
1. GABLE BRACE IS ONLY REQUIRED FOR PARTIALLY ENCLOSED END WALLS (END WALL POSTS ARE NOT ANCHORED TO THE GROUND).
2. FULLY ENCLOSED OR OPEN END WALLS DO NOT REQUIRE GABLE BRACING.

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.

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

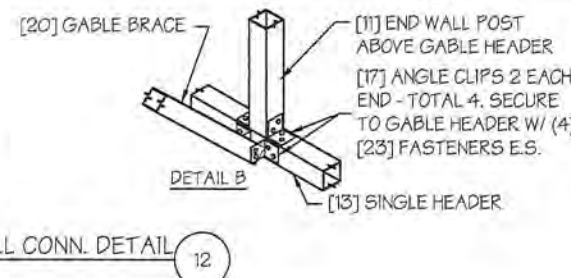
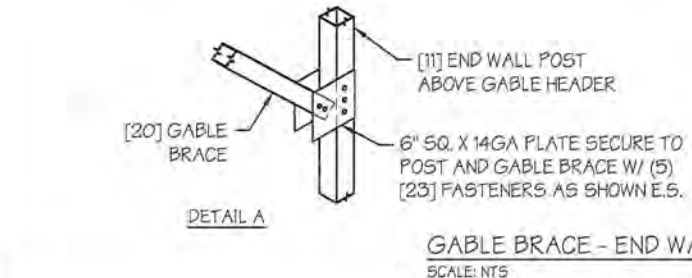
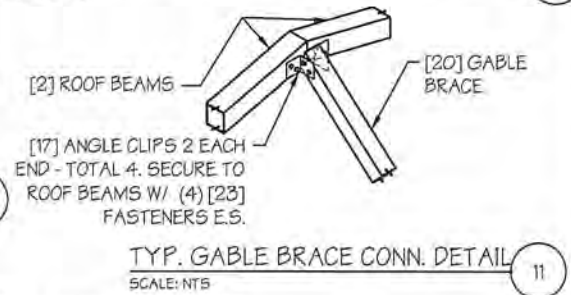
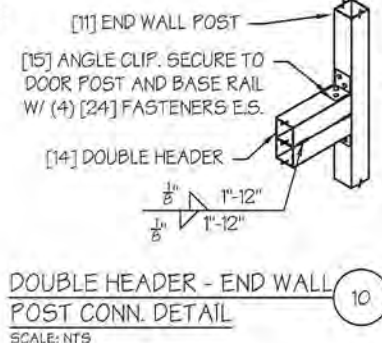
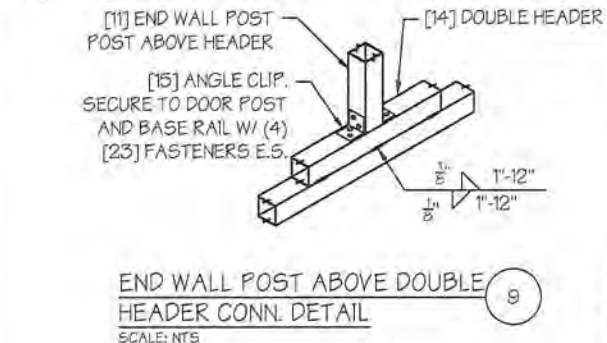
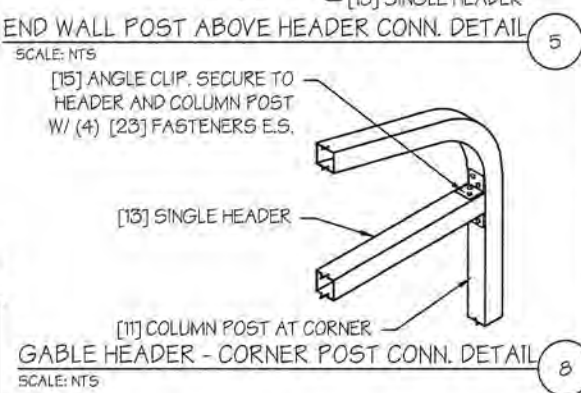
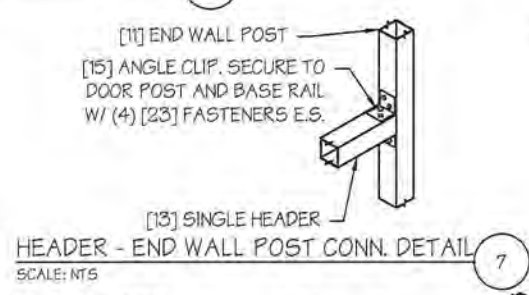
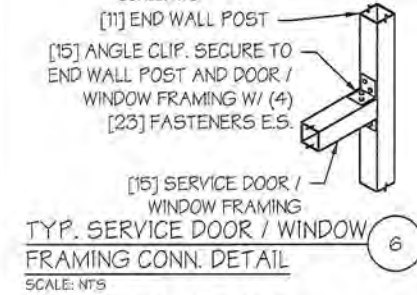
| WIND SPEED (MPH) | EAVE HEIGHT | | |
|------------------|-------------|----------|------------|
| | UP TO 7' | 8' TO 9' | 10' TO 12' |
| □ 105 | 5' | 5' | 5' |
| □ 115 | 5' | 5' | 4.5' |
| □ 130 | 4.5' | 4.5' | 4' |
| □ 140 | 4.5' | 4.5' | 3' |
| □ 155 | 4' | 4' | 2.5' |
| □ 165 - 180 | 3.5' | 3' |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



REVIEWED
By Laura DiPasquale at 11:55 am, Aug 15, 2024

APPROVED
Montgomery County
Historic Preservation Commission

Robert A. Patton



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

MANUFACTURED BY:

457 N. Broadway,
Joshua, TX 76058
1-866-730-9865

DESIGNED BY:

A&A ENGINEERING
CIVIL • STRUCTURAL
136 Renaissance Place, Toledo, OH 43623
Tel. 419-292-1988 • Fax. 419-292-0955
www.a-a-engineers.com

DRAWING INFORMATION

PROJECT: 24'-0" WIDE BUILDINGS
LOCATION: STATE OF MARYLAND
PROJECT NO.: 033-22-0243
SHEET TITLE: END WALL FRAMING DETAILS

SHEET NO.: B-B / 11
DRAWN BY: A.W. DATE: 2/9/22
CHECKED BY: OAA DATE: 2/9/22

LEGAL INFORMATION

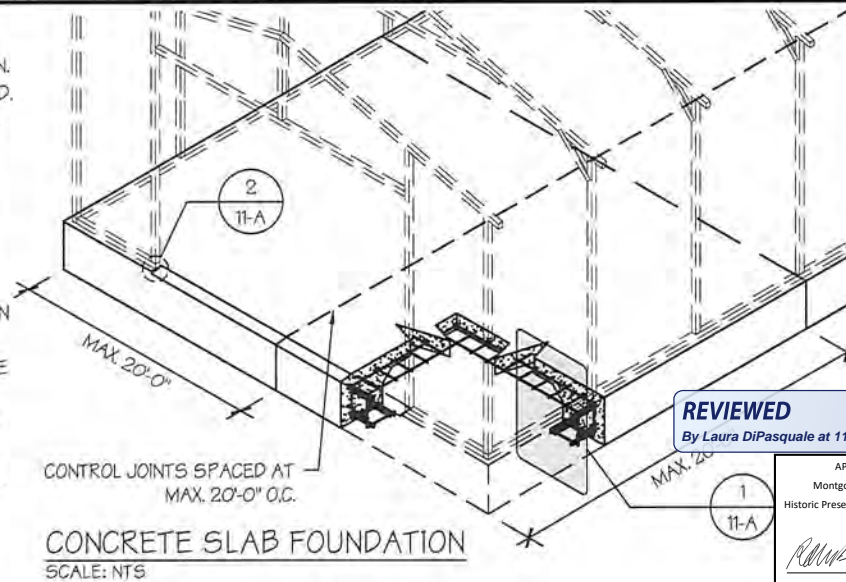
- ANY DUPLICATION OF THIS DRAWING IN WHOLE OR PART IS STRICTLY FORBIDDEN. ANYONE DOING SO WILL BE PROSECUTED UNDER THE FULL EXTENT OF THE LAW.
- DRAWINGS VALID UP TO DATE OF EXPIRATION.

SEAL:

STAMP EXPIRY: 07-23-2024
DATE SIGNED: 07-30-2022

CONCRETE SLAB FOUNDATION NOTES:

- DESIGNS SHOWN ON THIS SHEET ARE FOR CONCRETE SLAB FOUNDATION. ANY OF THE FOUNDATIONS SHOWN ON SHEETS 11-A THRU C CAN BE USED.
- 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.
- ANCHORS IN CLOSE PROXIMITY TO EACH OTHER MUST HAVE A MIN. 4" SPACING.
- MIN. NUMBER OF CONCRETE ANCHORS PER POST SHALL BE AS SHOWN IN TABLE 11-A.2.
- THE SIZE OF THE SLAB SHALL BE THE SIZE (WIDTH AND LENGTH) OF THE BUILDING PLUS 5 1/2" FOR 14GA MATERIAL AND 5 3/4" FOR 12GA MATERIAL.
- DEPTH OF SLAB TURN DOWN FOOTING SHALL BE GREATER THAN FROST DEPTH SPECIFIED PER LOCAL CODE.
- CONTROL JOINTS SHALL BE PLACED SO AS TO LIMIT MAX. SLAB SPANS TO 20' IN EACH DIRECTION.
- ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF.
- CONCRETE STRENGTH TO BE A MIN OF 2500 PSI @ 28 DAYS.



CONCRETE SLAB FOUNDATION
SCALE: NTS

MANUFACTURED BY:



457 N. Broadway,
Joshua, TX 76058
1-866-730-9865

ENGINEERED BY:



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www.a-a-engineers.com

REVIEWED

By Laura DiPasquale at 11:56 am, Aug 15, 2024

APPROVED
Montgomery County
Historic Preservation Commission

Ronald A. Norton

DRAWING INFORMATION

PROJECT: 24'-0" WIDE BUILDINGS

LOCATION: STATE OF MARYLAND

PROJECT NO.: 033-22-0243

SHEET TITLE:

**FOUNDATION OPTION 1:
CONCRETE SLAB**

SHEET NO.: 11-A / 11

DRAWN BY: A.W. DATE: 2/9/22

CHECKED BY: OAA DATE: 2/9/22

LEGAL INFORMATION

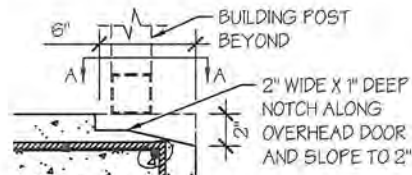
- ANY DUPLICATION OF THIS DRAWING IN WHOLE OR PART IS STRICTLY FORBIDDEN. ANYONE DOING SO WILL BE PROSECUTED UNDER THE FULL EXTENT OF THE LAW.
- DRAWINGS VALID UP TO DATE OF EXPIRATION.

SEAL:



STAMP EXPIRY: **07-23-2024**

DATE SIGNED: **02-07-2022**



OVERHEAD DOOR NOTCH DETAIL

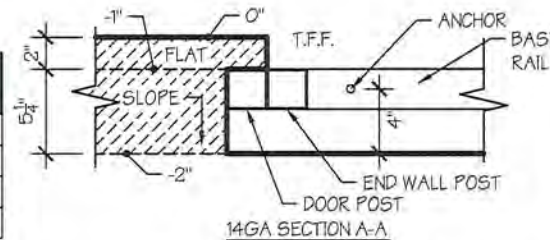
SCALE: NTS

TABLE 11-A.2: CONCRETE SLAB ANCHOR SCHEDULE

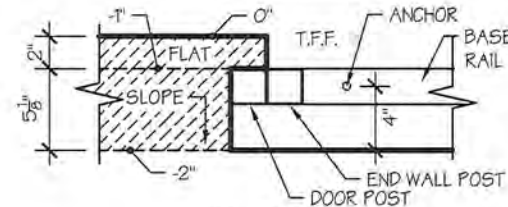
| ENCLOSURE | WIND SPEED (MPH) | ANCHOR SIZE/NUMBER |
|-----------|------------------|--------------------|
| ENCLOSED | □ 105 TO 135 | (1) 1/2"Ø X 7" |
| | □ 136 TO 180 | (2) 1/2"Ø X 7" |
| OPEN | □ 105 TO 135 | (1) 1/2"Ø X 7" |
| | □ 136 TO 180 | (2) 1/2"Ø X 7" |

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.



14GA SECTION A-A

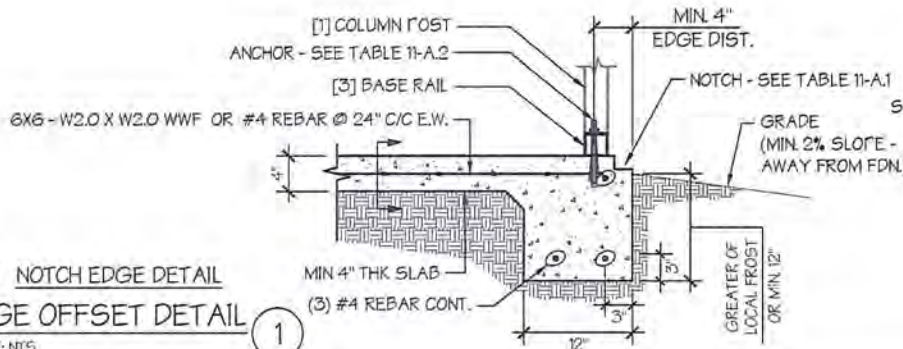


12GA SECTION A-A

TABLE 11-A.1: NOTCH WIDTH

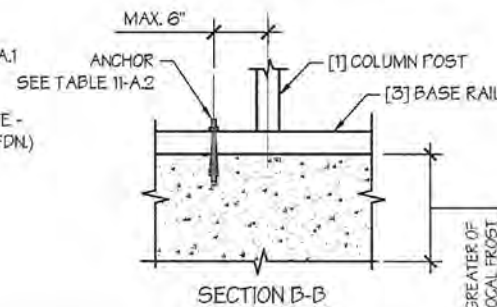
| HORIZONTAL/OPEN | | VERTICAL | |
|-----------------|--------|----------|--------|
| □ 14GA | □ 12GA | □ 14GA | □ 12GA |
| 2 3/4" | 2 7/8" | 1 3/4" | 1 7/8" |

NOTE: DEPTH IS TO BE 1 1/2"



EDGE OFFSET DETAIL

SCALE: NTS



SECTION B-B

GREATER OF LOCAL FROST OR MIN. 12"

Example of shed style (not to scale)



REVIEWED

By Laura DiPasquale at 11:56 am, Aug 15, 2024

APPROVED
Montgomery County
Historic Preservation Commission

A handwritten signature in black ink, appearing to read "Robert H. Norton", is written over a horizontal line.