



 **Proposed Accessory Structures**





**McCCORDSVILLE BOARD OF ZONING APPEALS
SPECIAL EXCEPTION APPLICATION**

Zoning Ordinance Section 10.04

Applicant Information

Name: Daniel's Vineyard

Current Address: 6311 W. STONER DRIVE

(Number) (Street)

Greenfield IN 46140

(City) (State) (Zip)

Phone No.: 317-894-2159 ext. 120 E-mail Address: ckothe@onlinetransport.com

Property Owner Information (the "owner" does not include tenants or contract buyers)

Name: Traverse Inc

Current Address: 9061 N 700 W

(Number) (Street)

McCordsville IN 40655

(City) (State) (Zip)

Phone No.: 317-248-5222 E-mail Address: ckothe@onlinetransport.com

Property Information

Current Address: 9061 N 700 W

(Number) (Street)

OR General Location (if no address has been assigned, please provide a street corner, subdivision lot number, or attach a legal description)

Administrative Officer Use Only:

Existing Zoning: _____

Future Land Use: _____

Date Application Filed: _____

Docket No.: _____

Special Exception Requested

I am requesting a special exception as listed by Section 10.04 of the Zoning Ordinance to allow the following:

The construction of accessory structures to store farm equipment.

Special Exception Criteria

The McCordsville Zoning Ordinance establishes specific criteria that must be met in order for a special exception to be approved. Please answer each question below and if the response is "NO", describe why the special exception use requested does not meet the required criteria.

Will the special exception be served with adequate utilities, access roads, drainage, and other necessary facilities?

YES NO, Please Explain (attach additional pages as necessary): _____

This is a basic storage use only building.

Will the special exception provide safe conditions that do not involve any element or cause any condition that may be dangerous, injurious, or noxious to any other property or persons, and comply with the development standards of the McCordsville Zoning Ordinance?

YES NO, Please Explain (attach additional pages as necessary): _____

Will the special exception be sorted, oriented, and landscaped to produce a harmonious relationship of buildings and grounds to adjacent buildings and properties?

YES NO, Please Explain (attach additional pages as necessary): _____

Will the special exception produce a total visual impression and environment which is consistent with the environment of the neighborhood?

YES NO, Please Explain (attach additional pages as necessary): _____

Will the special exception organize vehicular access and parking to minimize traffic congestion in the area?

YES NO, Please Explain (attach additional pages as necessary): _____

Farm equipment storage only. Intended to only be accessed by the farm equipment.

Applicant's Signature

The information included in and with this application is completely true and correct to the best of my knowledge and belief.

Chris Kothe

(Applicant's Signature)

7/15/2020

(Date)

Owner's Signature (the "owner" does not include tenants or contract buyers)

I authorize the filing of this application and will allow Town staff to enter this property for the purpose of processing this request. Further, I will allow a public notice sign to be placed and remain on the property until the processing of the request is complete.

Chris Kothe

(Owner's Signature)

07/15/2020

(Date)

(Owner's Signature)

(Date)

SPECIAL EXCEPTION PERMIT - APPLICATION CHECKLIST

(McCordsville Zoning Ordinance: Section 10.04 Special Exception)

The following shall be included in the Special Exception Application. The applicant is responsible for contacting the Administrative Officer to identify any information that is not applicable. The applicant is also required to provide any other information requested by the Administrative Officer or his/her designee to demonstrate compliance with the requirements of the McCordsville Zoning Ordinance.

Special Exception Use Application Checklist:

- Special Exception Application
- Affidavit & Consent of Property Owner(s) (if owner is someone other than applicant), 5 hard copies in a recordable format plus one electronic submittal in a format acceptable to the Administrative Officer
- Copy of Deed for Property Involved, 5 hard copies in a recordable format plus one electronic submittal in a format acceptable to the Administrative Officer
- Filing Fee
- Supporting Information, 5 hard copies in a recordable format plus one electronic submittal in a format acceptable to the Administrative Officer of each of the following where appropriate
 - Site Plan (signed, dated and clearly showing entire layout of property and all features relevant to the special exception request).
 - Statement of Intent
 - Fiscal Impact Study (if applicable)

MORTON BUILDINGS GENERAL SPECIFICATIONS

LAMINATED COLUMNS - NO. 1 OR BETTER SOUTHERN YELLOW PINE NAIL LAMINATED 3 MEMBER S4S COLUMNS NAILED 8" O.C. STAGGERED ON EACH SIDE WITH 4" NAILS.

MFS PRE-CAST CONCRETE COLUMN - MORTON BUILDINGS FOUNDATION SYSTEM IS A PRE-ENGINEERED, 10,000 PSI, STEEL REINFORCED COLUMN FOR BELOW GROUND INSTALLATION. DESIGNED TO BE MECHANICALLY FASTENED TO ABOVE GROUND NAIL LAMINATED COLUMNS. THE SYSTEM IS DESIGNED TO RESIST BOTH AXIAL AND BENDING FORCES.

FOOTINGS AND ANCHORAGE - COLUMN HOLES ARE DUG A MINIMUM DEPTH OF 4'-0" BELOW GRADE (SEE PLANS FOR DIAMETER AND DEPTH). MFS PRE-CAST CONCRETE COLUMNS ARE PLACED IN THE HOLE. CONCRETE (MINIMUM COMPRESSIVE STRENGTH 2500 PSI) IS POURED IN PLACE TO THE SPECIFIED THICKNESS (SEE PLANS FOR REQUIRED THICKNESS ABOVE AND BELOW THE COLUMN). THE COLUMN IS THEN BACKFILLED WITH SOIL AND COMPACTED AT 8" INTERVALS OR BACKFILLED WITH CONCRETE (SEE PLANS).

TREATED LUMBER -- PRESSURE PRESERVATIVE TREATED LUMBER OTHER THAN LAMINATED COLUMNS ARE NO. 1 OR BETTER SOUTHERN YELLOW PINE AND CENTER MATCHED OR NOTCHED AND GROOVED OR S4S. PRESSURE TREATMENT TO GROUND CONTACT RETENTION WITH PRESERVATIVE TREATMENT COMPLYING WITH USE CATEGORY UC4B (AWPA OR ICC-ES) AND IN COMPLIANCE WITH USEPA GUIDELINES AND STANDARDS.

FRAMING LUMBER - SIDING NAILERS ARE 2x4 S4S OR 2x6 SPF NO. 2 OR BETTER SPACED APPROXIMATELY 36" O.C. WITH ALL JOINTS STAGGERED AT ATTACHMENT TO COLUMNS. ROOF PURLINS ARE 2x4 S4S NO. 2 OR BETTER ON EDGE SPACED APPROXIMATELY 24" O.C. ALL OTHER FRAMING LUMBER IS NO. 2 OR BETTER.

ROOF TRUSSES - FACTORY ASSEMBLED WITH 18 OR 20 GAUGE GALVANIZED STEEL TRUSS PLATES AS REQUIRED AND KILN DRIED LUMBER AS SPECIFIED, IN-PLANT QUALITY CONTROL INSPECTION IS CONDUCTED UNDER THE AUSPICES OF THE TPI INSPECTION BUREAU. TRUSSES ARE DESIGNED IN ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS FOR THE STATED LOADING.

SIDING & ROOFING PANELS (FLUOROFLEX 1000™) - 0.019" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL WITH AN ADDITIONAL BAKED-ON 70% PVDF FINISH WITH A NOMINAL 1 MIL. PAINT THICKNESS ON EXTERIOR.

TRIM - DIE-FORMED TRIM OF 0.017" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL ON GABLES, RIDGES, CORNERS, BASE WINDOWS, AND DOORS WITH SAME FINISH AS ROOFING OR SIDING PANELS.

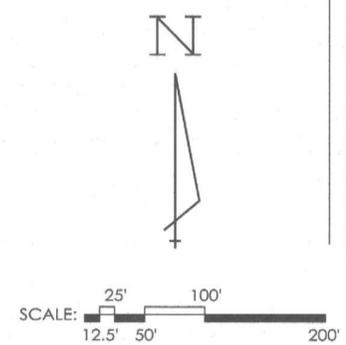
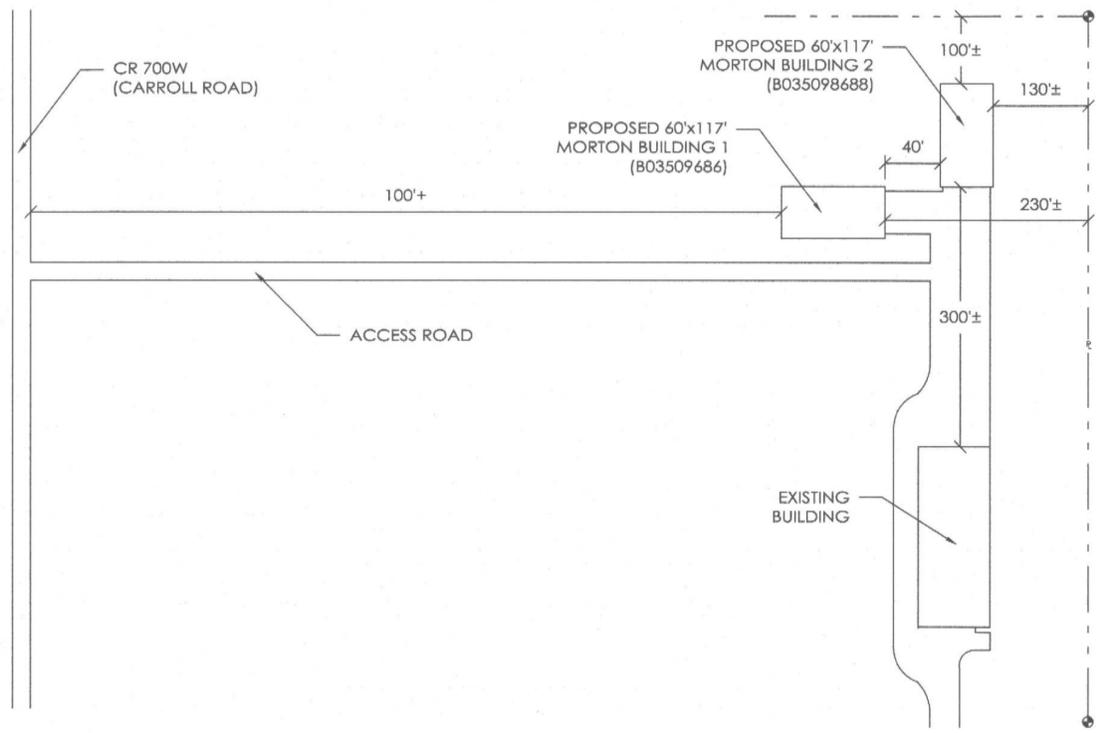
GUTTERS - 5" K-STYLE, .030 HIGH TENSILE ALUMINUM GUTTER, 70% PVDF FINISH TO MATCH TRIM, ON BOTH SIDES OF THE BUILDING.
2x4F1F1 02/12

DESIGN AND EXPLANATORY NOTES

- 1.) ALL PLOT PLANS AND RELATED DETAILS SHALL BE PROVIDED BY OWNER UNLESS INCORPORATED AS PART OF THESE DRAWINGS.
- 2.) MORTON BUILDINGS GENERAL SPECIFICATIONS APPLY UNLESS INDICATED DIFFERENTLY ON SPECIFIC JOB DRAWINGS OR SUPPLEMENTAL INFORMATION.
- 3.) MINIMUM LIVE ROOF LOAD DESIGNS FOR CONSTRUCTION, MAINTENANCE, REPAIR, AND OTHER TEMPORARY LOADS PER SECTION 1607.12.2
 - a.) ROOF PURLINS AND OTHER SECONDARY STRUCTURAL MEMBERS = 20 PSF
 - b.) ROOF TRUSSES, HEADERS, COLUMNS AND OTHER PRIMARY STRUCTURAL MEMBER = 14 PSF
 - c.) FOOTINGS = 14 PSF (DESIGNED FOR ROOF SNOW LOAD AND OTHER NON-TEMPORARY LOADS W/ APPROVAL FROM BUILDING OFFICIAL).
- 4.) NO ONE MAY ALTER ANY ENGINEERING ITEM UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED / REGISTERED ENGINEER .
- 5.) ♦ THE PRECEDING SYMBOL IDENTIFIES ITEMS THROUGHOUT THE PLANS THAT ARE NOT PROVIDED BY MORTON BUILDINGS, INC. OR MORTON BUILDINGS' SUBCONTRACTORS AND ARE THE OWNER'S RESPONSIBILITY.

OFFICE:
RUSHVILLE, IN
JOB NO.
035-998688

DANIEL'S VINEYARD
MCCORDSVILLE, IN
ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550
PHONE NUMBER: 309-263-4105
PROF. CORP. REG # PC 80800090



BUILDING LOCATION PLAN

BUILDING DESIGN CRITERIA	
USE GROUP	U
CONSTRUCTION TYPE	VB
RISK CATEGORY	I
BUILDING AREA	7020 SQ. FT.
MIN. LIVE ROOF LOAD DESIGN	SEE NOTE #3
ROOF SNOW LOAD *	14 PSF
GROUND SNOW LOAD	20 PSF
WIND SPEED (V _{ULT})	105 MPH
WIND SPEED (V _{ASD})	81 MPH

***ROOF SNOW LOAD CALCULATIONS**
 $P_f = 0.7 \times C_e \times I \times P_g \times C_t$
 $C_e = \text{SNOW EXPOSURE FACTOR} = 1.0$
 $I = \text{IMPORTANCE FACTOR} = 0.8$
 $P_g = \text{GROUND SNOW LOAD} = 20 \text{ PSF}$
 $C_t = \text{THERMAL FACTOR} = 1.2$
 $P_f = 0.7 \times 1.0 \times 0.8 \times 20 \times 1.2 = 13.44 \text{ PSF}$
 $C_s = \text{ROOF SLOPE FACTOR} = 1.00$
 $P_s = P_f \times C_s = 13.44 \times 1.00 = 13.44 \text{ PSF}$

I HEREBY CERTIFY THAT THE STRUCTURAL DESIGN FOR THIS BUILDING WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED/REGISTERED PROFESSIONAL ENGINEER.

MICHAEL L. MCCORMICK, P.E.
m/mccormick@allieddesignaes.com
DATE: 7-15-20 REG.#
REGISTERED PROFESSIONAL ENGINEER
No. 19600100
STATE OF INDIANA

CURRENT LUMBER SPECIFICATIONS (06-01-2013)		
SIZE	DESCRIPTION	BENDING VALUE F _b
2x4	NO. 2 SPF	1313 PSI
2x4	NO. 1 SYP	1500 PSI
2x4	2100f MSR SPF	2100 PSI
2x6	NO. 2 SPF	1138 PSI
2x6	NO. 1 SYP	1350 PSI
2x6	2100f MSR SPF	2100 PSI
2x6	2400 MSR SYP	2400 PSI
2x8	NO. 1 SYP	1250 PSI
2x8	2400 MSR SYP	2400 PSI
2x10	NO. 1 SYP	1050 PSI
2x10	2400 MSR SYP	2400 PSI
2x12	NO. 1 SYP	1000 PSI
2x12	2250f MSR SYP	2250 PSI
1 1/2"x16"	LAMINATED VENEER LUMBER	2800 PSI
3 1/2"x15"	GLU-LAM	1650 PSI
5 1/4"x16 1/2"	GLU-LAM	2400 PSI
5 1/4"x19 1/2"	GLU-LAM	2400 PSI

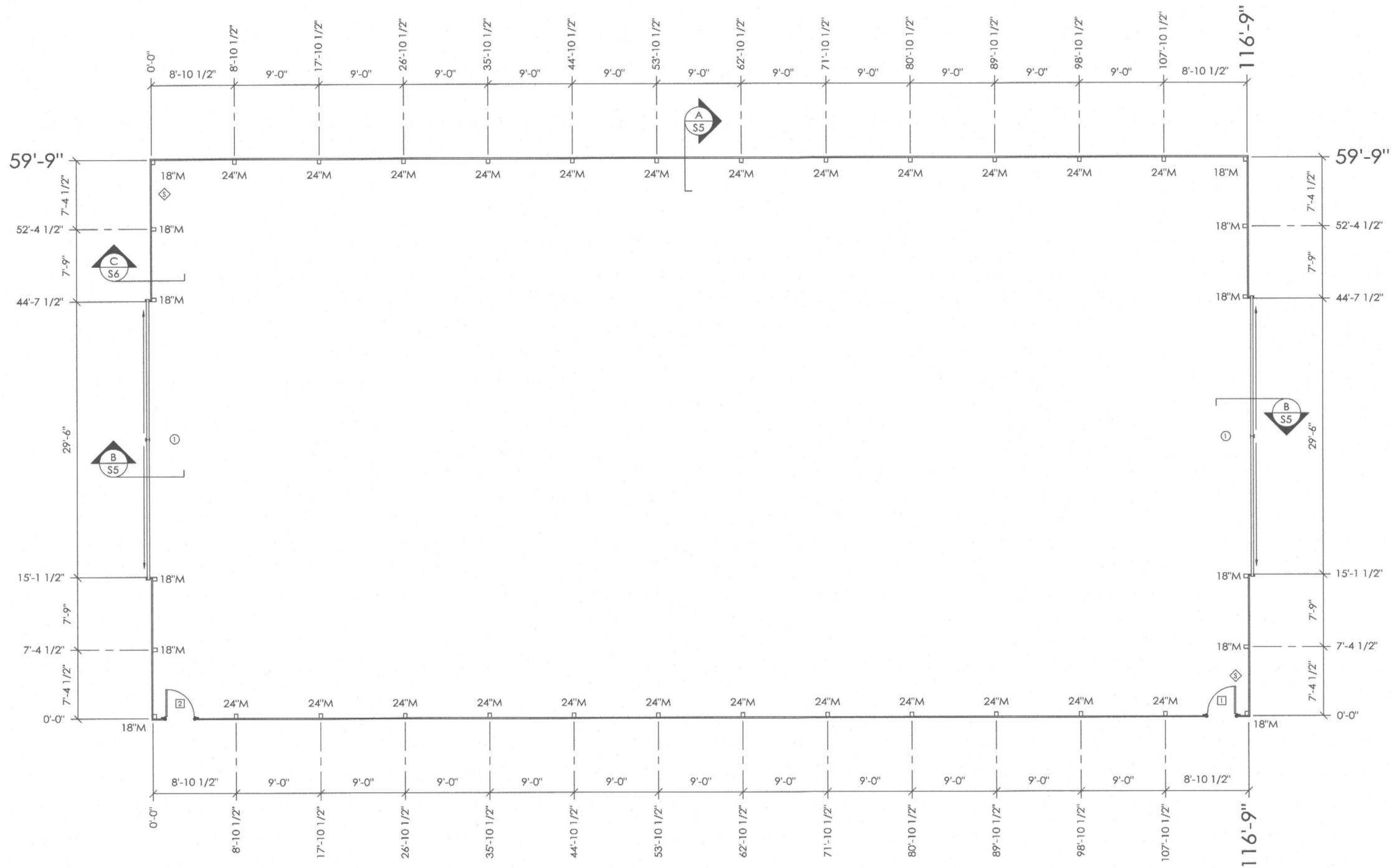


SHEET INDEX	
SHEET#	DESCRIPTION
G1 OF G1	SPECIFICATIONS & SHEET INDEX
S1 OF S6	COLUMN PLAN
S2 OF S6	TRUSS/BRACING PLAN & DETAILS
S3 OF S6	TRUSS DRAWING & DETAILS
S4 OF S6	ELEVATIONS
S5 OF S6	SECTIONS & DETAILS
S6 OF S6	SECTION & SHEARWALL DETAILS

DRAWN BY:	PTE
DATE:	6/11/2020
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DATE:	6/25/2020
REVISED DATE:	----



SCALE: AS NOTED
SHEET NO.
G1 of G1



COLUMN PLAN

COLUMN PLAN LEGEND

- - 3-2x6 LAMINATED COLUMN LOCATION
- - 3068 MB910 PLAIN FLAT LEAF WALKDOOR, IN SWING, LEFT HINGE WITH LEVER LOCKSET
- - 3068 MB910 PLAIN FLAT LEAF WALKDOOR, IN SWING, RIGHT HINGE WITH LEVER LOCKSET
- ⊙ - (2) 30'-0"x17'-6" DOUBLE SLIDING ALUMASTEEL END DOORS
- ◆ - SNOW RETAINERS
- ◆ - ALL STEEL FASTENED WITH STAINLESS STEEL SCREWS
- ◇ - 7/16" OSB SHEARWALL LOCATION (SEE DETAILS ON SHEET S6)
- 18" M - 18" DIAMETER FOOTING WITH 4' TO BOTTOM OF 21" THICK CONCRETE PAD (2500 PSI MINIMUM), 20" BELOW BOTTOM OF PRECAST CONCRETE COLUMN AROUND EXPOSED REBAR CAGE AND 3/4"x14" THREADED ROD WITH AN ADDITIONAL MINIMUM 1" ABOVE BOTTOM OF PRECAST CONCRETE COLUMN. PLACE CONCRETE BELOW AND ABOVE BOTTOM OF LOWER COLUMN IN ONE OPERATION.
- 24" M - 24" DIAMETER FOOTING WITH 4' TO BOTTOM OF 21" THICK CONCRETE PAD (2500 PSI MINIMUM), 20" BELOW BOTTOM OF PRECAST CONCRETE COLUMN AROUND EXPOSED REBAR CAGE AND 3/4"x14" THREADED ROD WITH AN ADDITIONAL MINIMUM 1" ABOVE BOTTOM OF PRECAST CONCRETE COLUMN. PLACE CONCRETE BELOW AND ABOVE BOTTOM OF LOWER COLUMN IN ONE OPERATION.

ROUGH OPENING SCHEDULE

UNIT SYMBOL FROM LEGEND	WIDTH	HEIGHT
1	37 3/4"	81"
2	37 3/4"	81"



DANIEL'S VINEYARD

MCCORDSVILLE, IN

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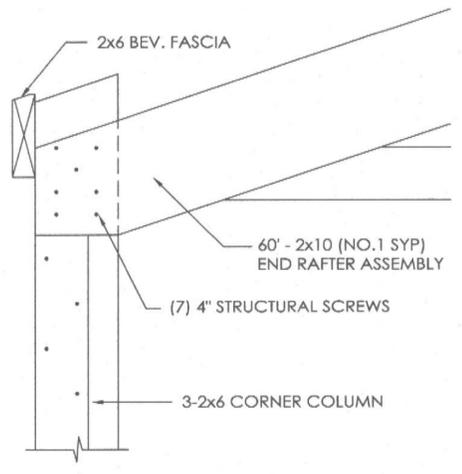
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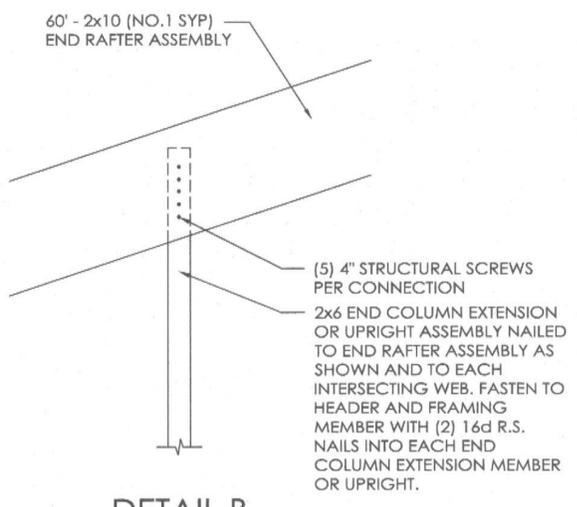
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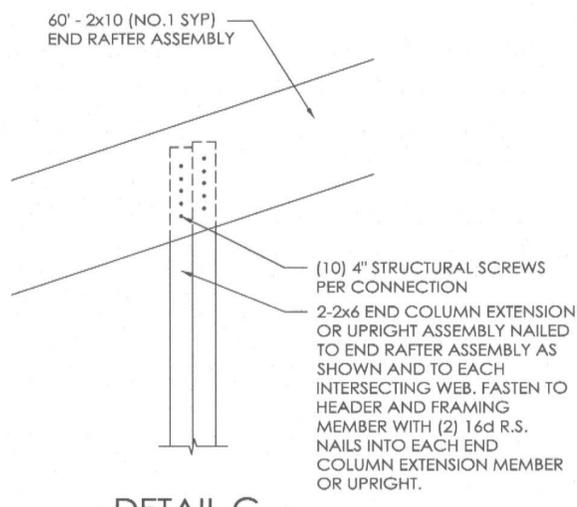
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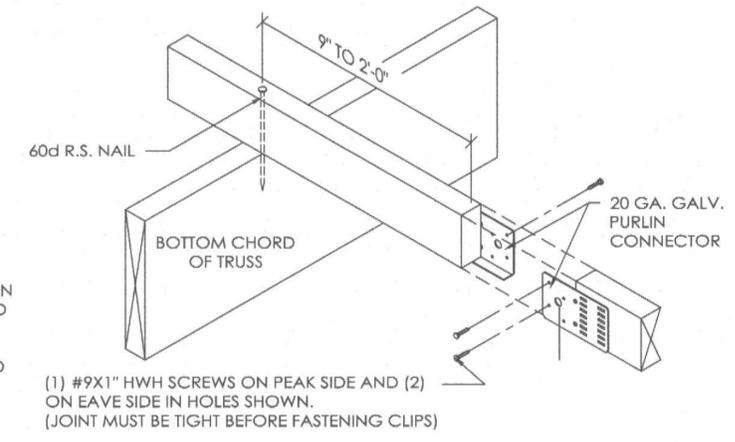
DETAIL A
SCALE: 1 1/2" = 1'-0"



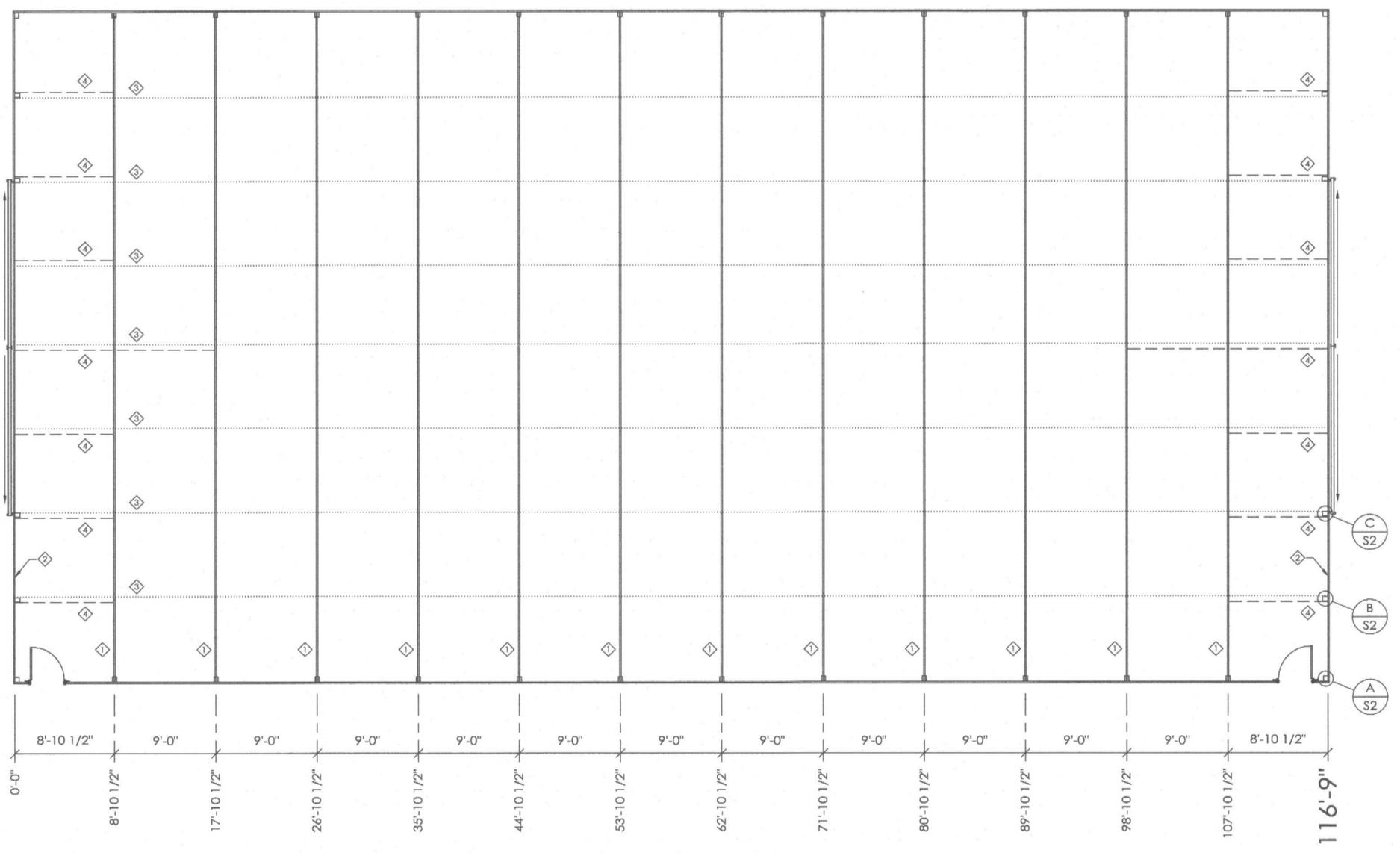
DETAIL B
SCALE: 1 1/2" = 1'-0"



DETAIL C
SCALE: 1 1/2" = 1'-0"



2x4 TRUSS TIE DETAIL



TRUSS/BRACING PLAN

TRUSS/BRACING PLAN LEGEND

- ◇ - 60' 1290 R.C. TRUSSES
- ◇ - 60' END RAFTER ASSEMBLY
- ◇ - 2x4 TRUSS TIES
- ◇ - 2x6 DIAGONAL END BRACES



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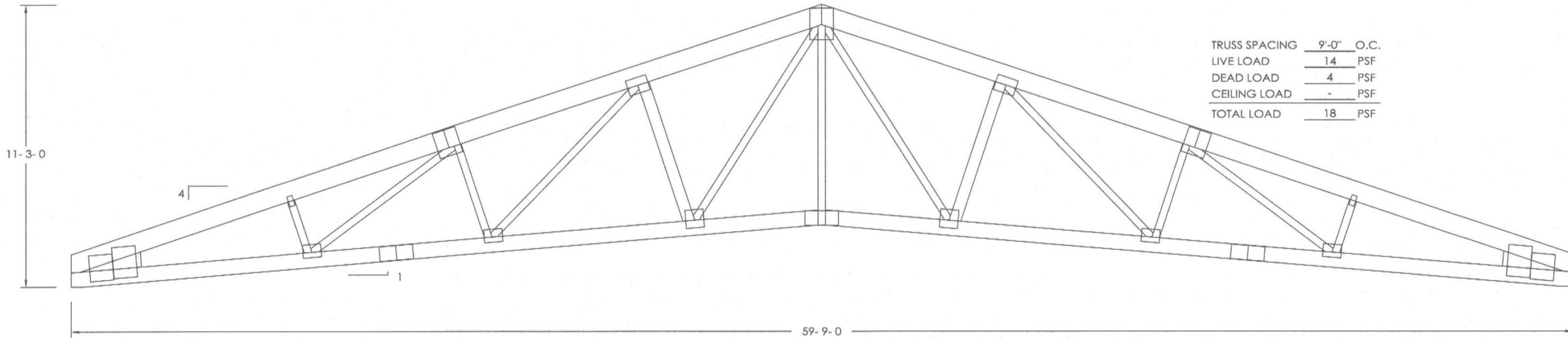
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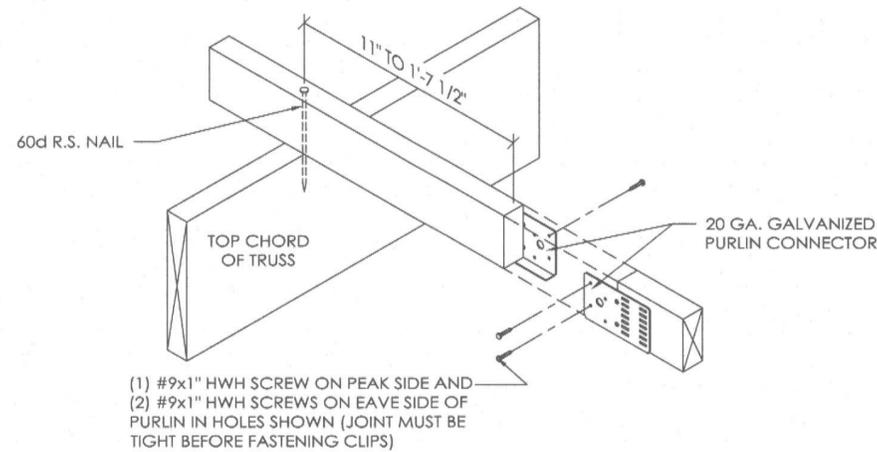
SCALE: AS NOTED
SHEET NO.
S2 OF S6

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60' R.C. 1290 (4116) TRUSS
SCALE: 5/16" = 1'-0"



2x4 BUTTED PURLIN DETAIL
(PURLIN CONNECTED WITH 60D R.S. NAIL)
SCALE: 1 1/2" = 1'-0"

DANIEL'S VINEYARD
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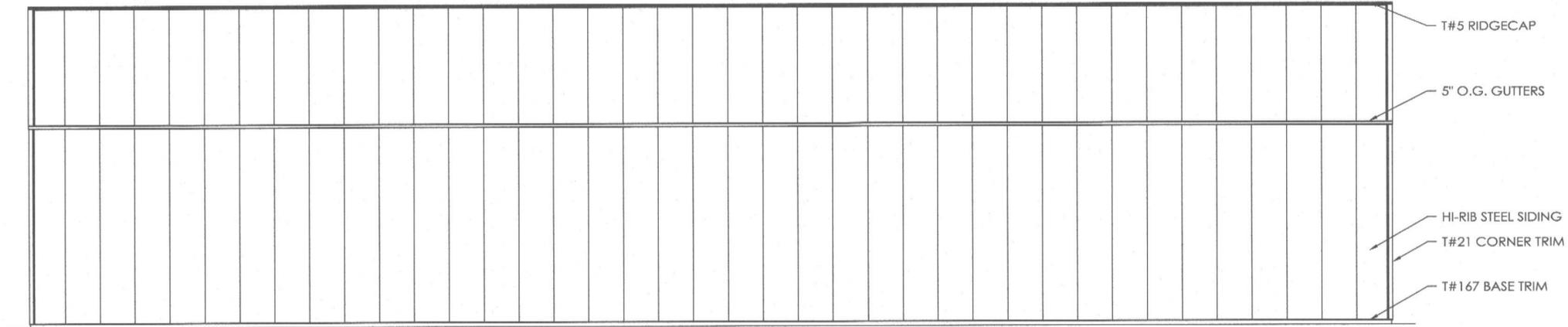


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S3 OF S6

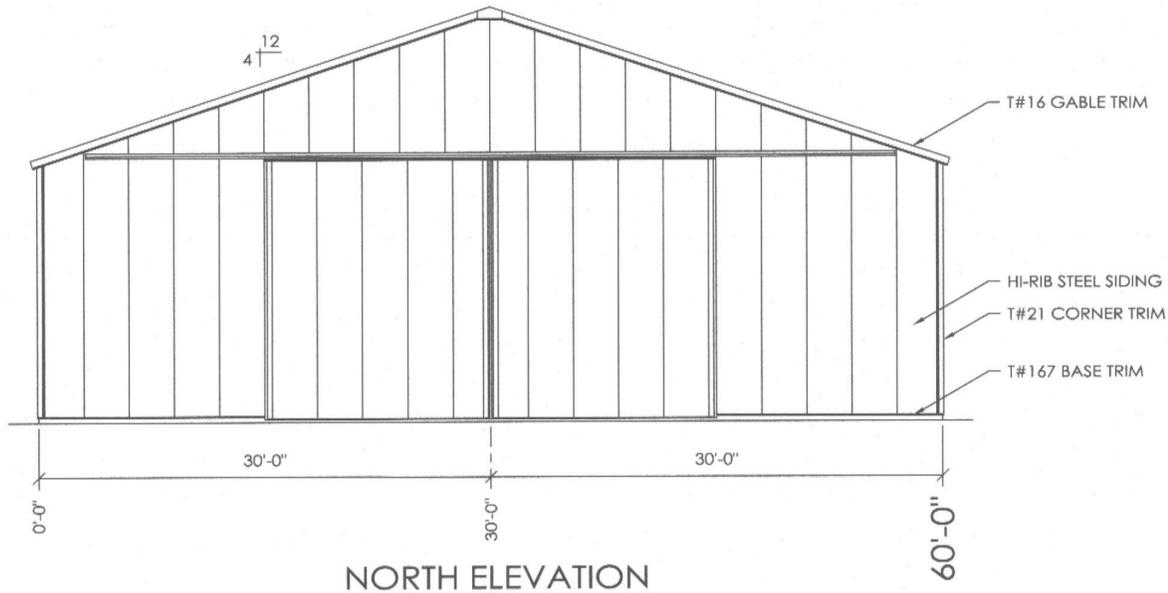
DESIGN AND EXPLANATORY NOTES

1.) EXTERIOR DOOR LOCATIONS ARE TAKEN FROM THE EXTERIOR FACE OF THE NAILERS AND ARE TO THE CENTER OF THE DOOR UNITS. VERIFY ALL DOOR LOCATIONS WITH THE OWNER.

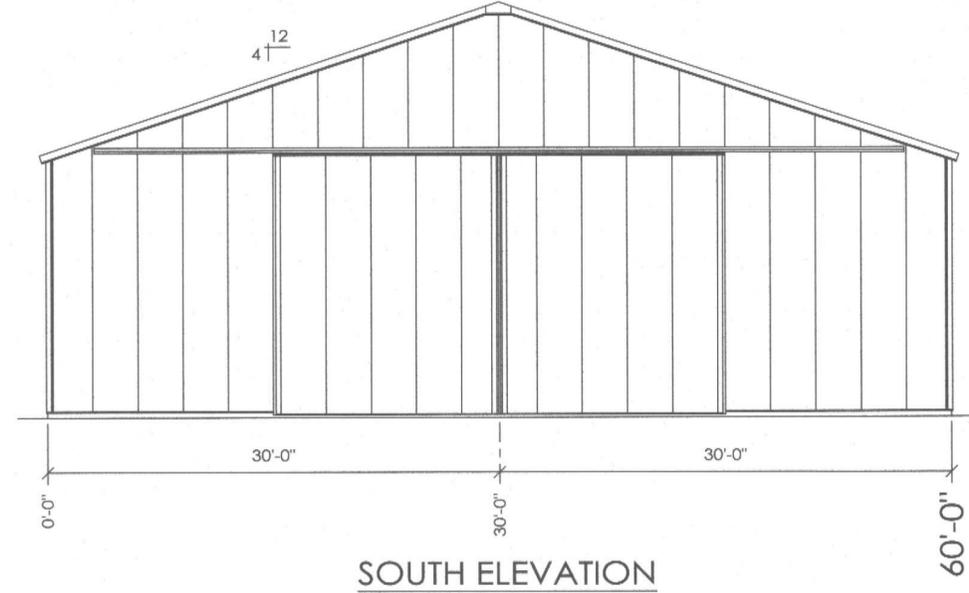
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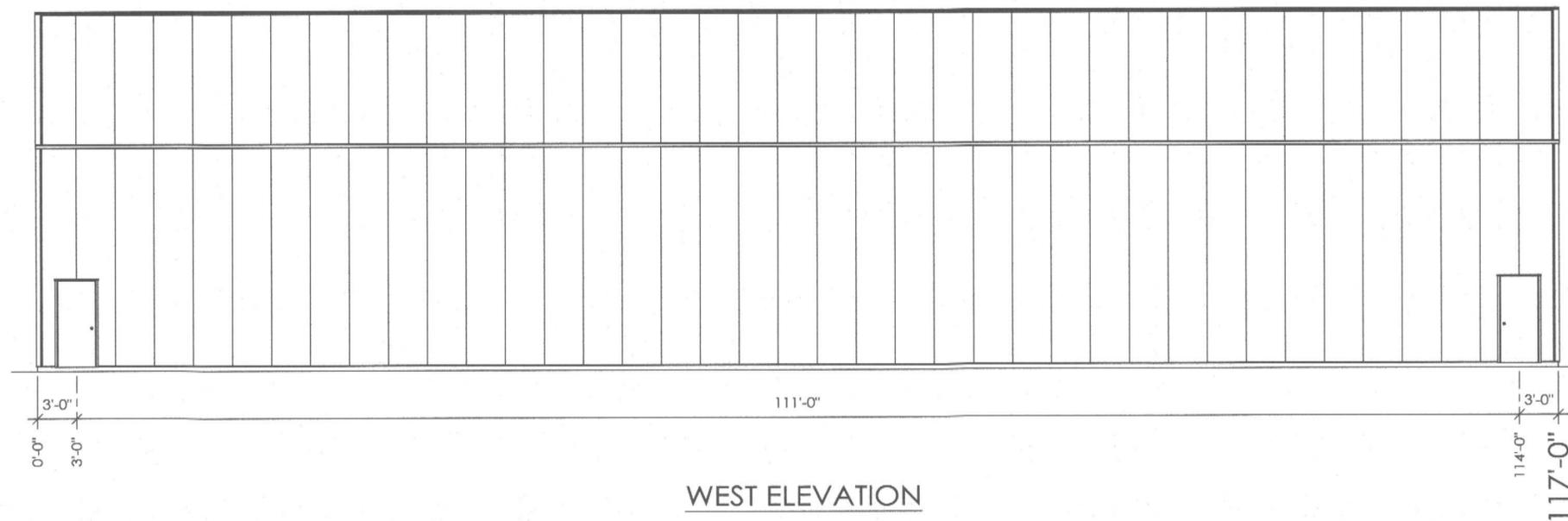
EAST ELEVATION



NORTH ELEVATION



SOUTH ELEVATION



WEST ELEVATION

DANIEL'S VINEYARD

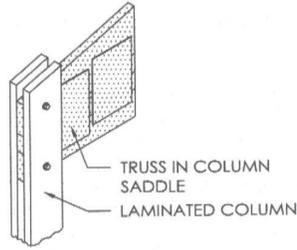
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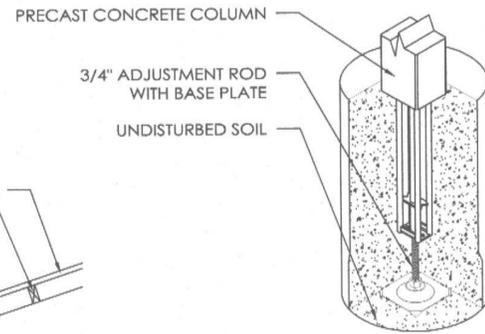
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S4 OF S6



TRUSS SADDLE ISOMETRIC



LOWER COLUMN ISOMETRIC

LOWER COLUMN INSTALLATION

1. INSTALL PRECAST CONCRETE COLUMN W/ADJUSTMENT ROD & BASE PLATE IN THE AUGERED HOLE.
2. PLUMB PRECAST CONCRETE COLUMN IN BOTH DIRECTIONS
3. ADJUST HEIGHT UP OR DOWN WITH ADJUSTMENT HEX ROD
4. POUR READI-MIX CONCRETE INTO THE HOLE AS SPECIFIED.
5. BACKFILL AND COMPACT THE ANNULAR SPACE AROUND THE COLUMN TO GRADE WITH SOIL AUGERED FROM THE SITE.

DESIGN AND EXPLANATORY NOTES

1. FOOTINGS ARE DESIGNED FOR A 2000 PSF SOIL BEARING CAPACITY. LOCAL CONDITIONS MAY REQUIRE MODIFICATIONS.
2. CONCRETE FLOOR NOTES:
 - a. 3500 PSI, 5 1/2 BAG MIX CONCRETE.
 - b. SLOPE GRADE AWAY FROM BUILDING @ 1" PER FOOT FOR A MINIMUM DISTANCE OF 10' PLUS OVERHANG WIDTH.
 - c. A VAPOR RETARDER IS NOT MANDATED PER IBC SECTION 1907 EXCEPTION 3. UNLESS THE FLOOR WILL BE COVERED BY MOISTURE SENSITIVE FLOORING MATERIALS OR IMPERMEABLE FLOOR COATINGS OR WHERE THE FLOOR WILL BE IN CONTACT WITH ANY MOISTURE SENSITIVE EQUIPMENT OR PRODUCT.
 - d. CONTRACTION JOINTS UNIFORMLY SPACED 15' O.C. OR LESS.
3. PRIOR TO PLACING THE CONCRETE FOOTINGS, HAND TAMP THE BOTTOM 2'-3" OF LOOSE SOIL TO CONSOLIDATE. IF THE DRILLED HOLE CONTAINS MORE THAN 3" OF LOOSE SOIL, REMOVE EXCESS SOIL TO A UNIFORM THICKNESS OF 2"-3", HAND TAMP AND PROCEED WITH CONCRETE FOOTING PLACEMENT.
4. DO NOT PLACE CONCRETE FOOTING THROUGH MORE THAN 3" OF STANDING WATER. IF MORE THAN 3" OF STANDING WATER IS PRESENT IN THE FOOTING HOLE CONTACT THE STRUCTURAL ENGINEER OF RECORD FOR INSTALLATION INSTRUCTIONS.

OFFICE: RUSHVILLE, IN

JOB NO. 035-998688

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MCCORDSVILLE, IN

IN **ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.**

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MORTON, IL 61550

100 S. PERSHING P.O. BOX 110

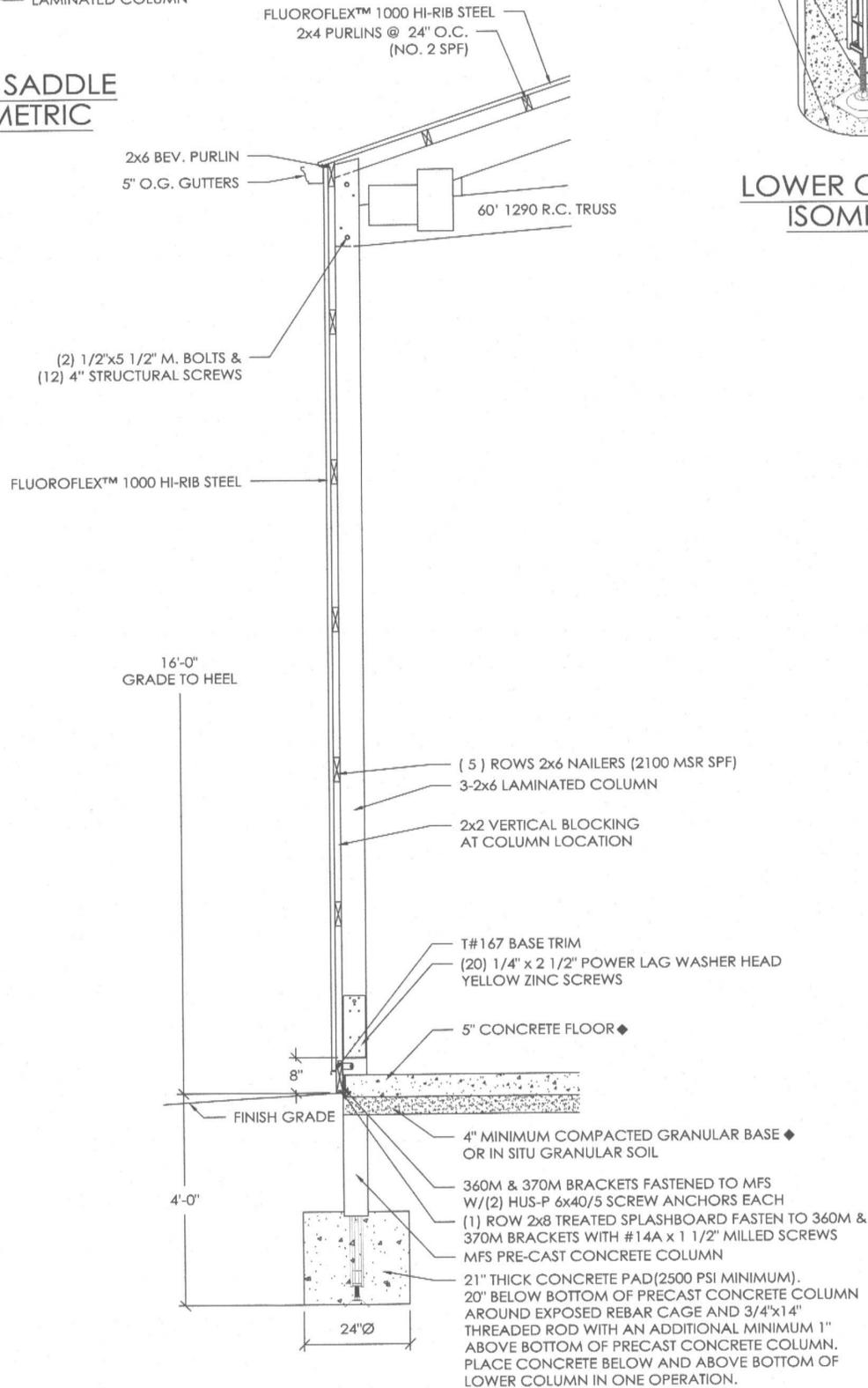
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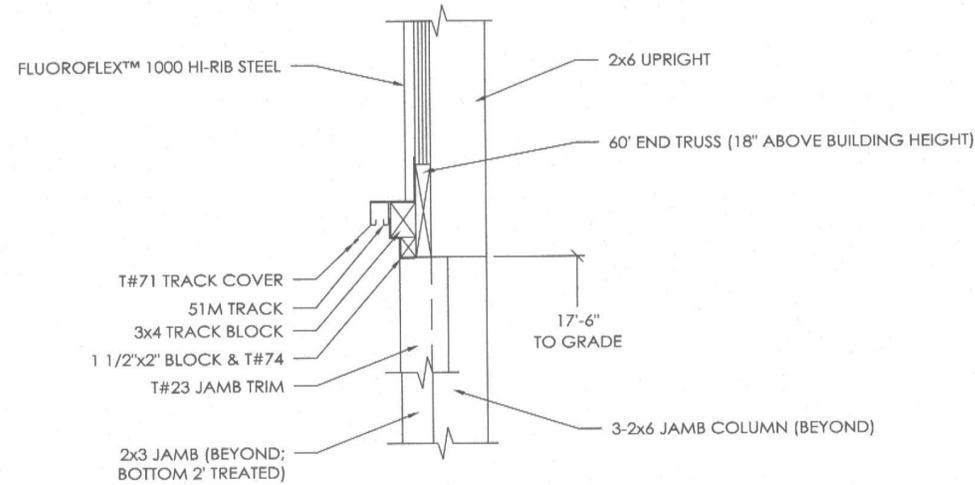
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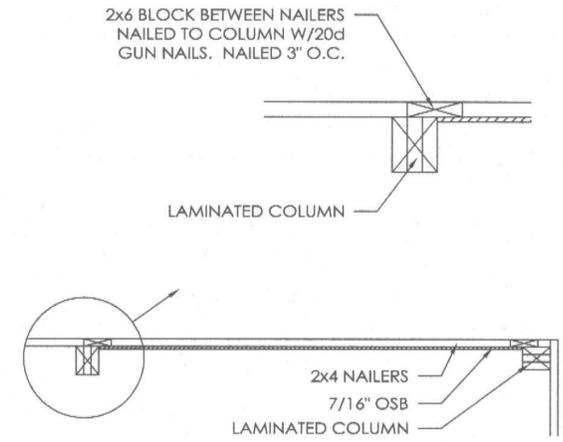
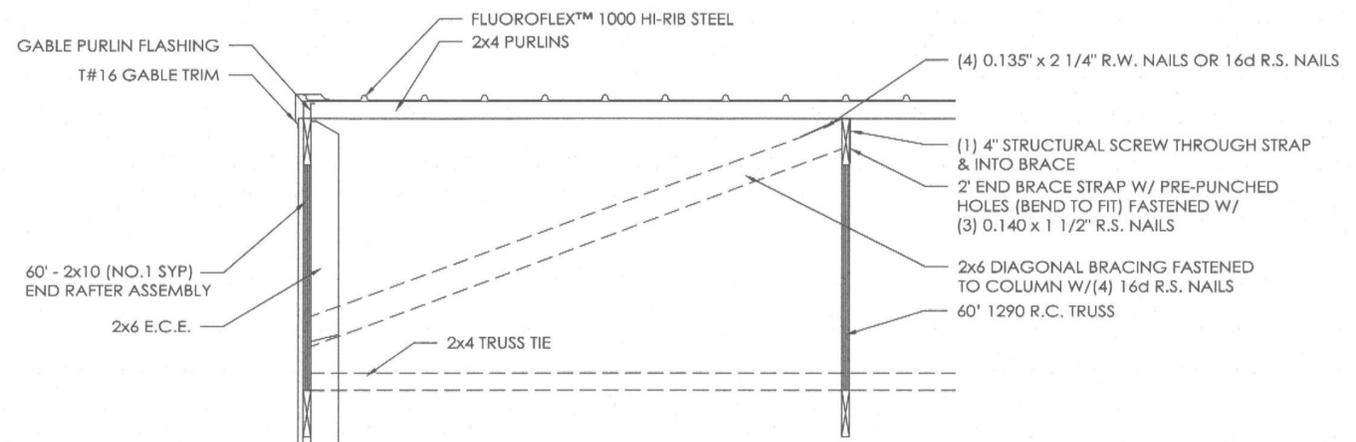
SIDEWALL SECTION A

SCALE: 1/2" = 1'-0"

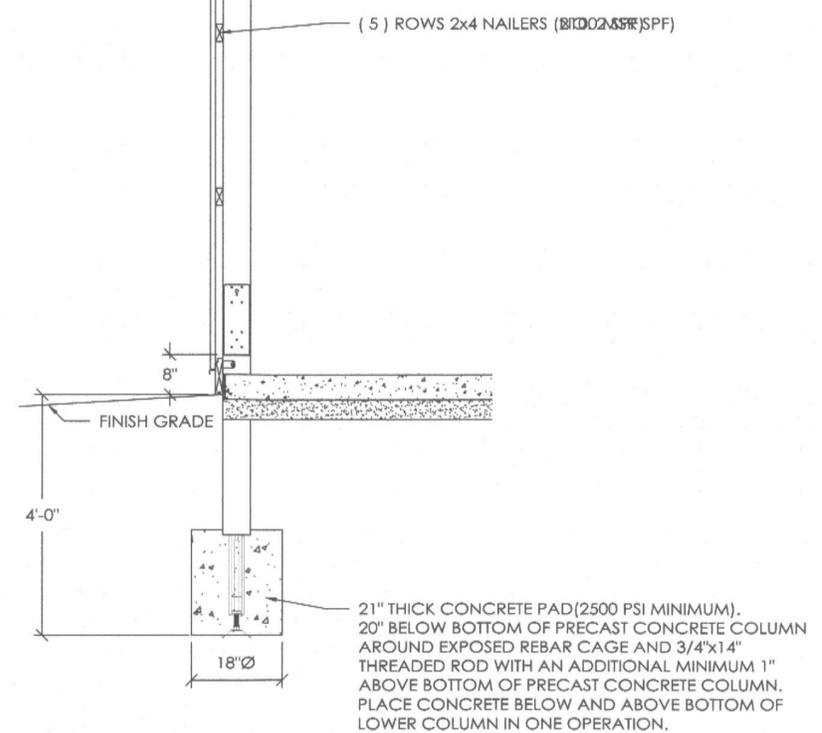


SLIDING DOOR HEADER SECTION B

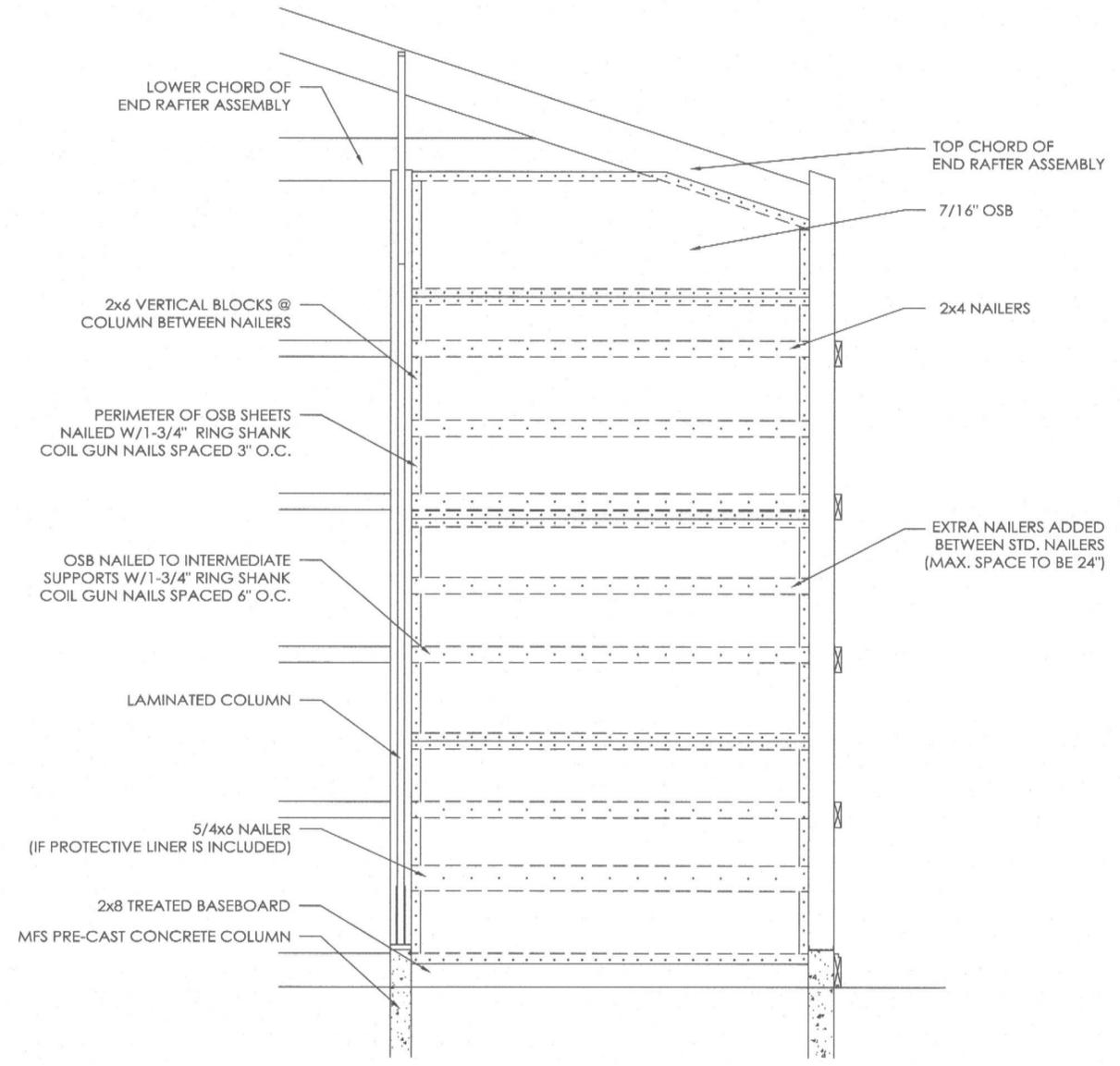
SCALE: 1" = 1'-0"



OSB SHEARWALL DETAIL
SCALE: 1/2" = 1'-0"



ENDWALL SECTION C
SCALE: 1/2" = 1'-0"



7/16" OSB SHEARWALL ELEVATION
SCALE: 1/2" = 1'-0"

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MORTON BUILDINGS GENERAL SPECIFICATIONS

LAMINATED COLUMNS - NO. 1 OR BETTER SOUTHERN YELLOW PINE NAIL LAMINATED 3 MEMBER S4S COLUMNS NAILED 8" O.C. STAGGERED ON EACH SIDE WITH 4" NAILS.

MFS PRE-CAST CONCRETE COLUMN - MORTON BUILDINGS FOUNDATION SYSTEM IS A PRE-ENGINEERED, 10,000 PSI, STEEL REINFORCED COLUMN FOR BELOW GROUND INSTALLATION. DESIGNED TO BE MECHANICALLY FASTENED TO ABOVE GROUND NAIL LAMINATED COLUMNS. THE SYSTEM IS DESIGNED TO RESIST BOTH AXIAL AND BENDING FORCES.

FOOTINGS AND ANCHORAGE - COLUMN HOLES ARE DUG A MINIMUM DEPTH OF 4'-0" BELOW GRADE (SEE PLANS FOR DIAMETER AND DEPTH). MFS PRE-CAST CONCRETE COLUMNS ARE PLACED IN THE HOLE. CONCRETE (MINIMUM COMPRESSIVE STRENGTH 2500 PSI) IS POURED IN PLACE TO THE SPECIFIED THICKNESS (SEE PLANS FOR REQUIRED THICKNESS ABOVE AND BELOW THE COLUMN). THE COLUMN IS THEN BACKFILLED WITH SOIL AND COMPACTED AT 8" INTERVALS OR BACKFILLED WITH CONCRETE (SEE PLANS).

TREATED LUMBER - PRESSURE PRESERVATIVE TREATED LUMBER OTHER THAN LAMINATED COLUMNS ARE NO. 1 OR BETTER SOUTHERN YELLOW PINE AND CENTER MATCHED OR NOTCHED AND GROOVED OR S4S. PRESSURE TREATMENT TO GROUND CONTACT RETENTION WITH PRESERVATIVE TREATMENT COMPLYING WITH USE CATEGORY UC4B (AWPA OR ICC-ES) AND IN COMPLIANCE WITH USEPA GUIDELINES AND STANDARDS.

FRAMING LUMBER - SIDING NAILERS ARE 2x4 S4S OR 2x6 SPF NO. 2 OR BETTER SPACED APPROXIMATELY 36" O.C. WITH ALL JOINTS STAGGERED AT ATTACHMENT TO COLUMNS. ROOF PURLINS ARE 2x4 S4S NO. 2 OR BETTER ON EDGE SPACED APPROXIMATELY 24" O.C. ALL OTHER FRAMING LUMBER IS NO. 2 OR BETTER.

ROOF TRUSSES - FACTORY ASSEMBLED WITH 18 OR 20 GAUGE GALVANIZED STEEL TRUSS PLATES AS REQUIRED AND KILN DRIED LUMBER AS SPECIFIED. IN-PLANT QUALITY CONTROL INSPECTION IS CONDUCTED UNDER THE AUSPICES OF THE TPI INSPECTION BUREAU. TRUSSES ARE DESIGNED IN ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS FOR THE STATED LOADING.

SIDING & ROOFING PANELS (FLUOROFLEX 1000™) - 0.019" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL WITH AN ADDITIONAL BAKED-ON 70% PVDF FINISH WITH A NOMINAL 1 MIL. PAINT THICKNESS ON EXTERIOR.

TRIM - DIE-FORMED TRIM OF 0.017" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL ON GABLES, RIDGES, CORNERS, BASE WINDOWS, AND DOORS WITH SAME FINISH AS ROOFING OR SIDING PANELS.

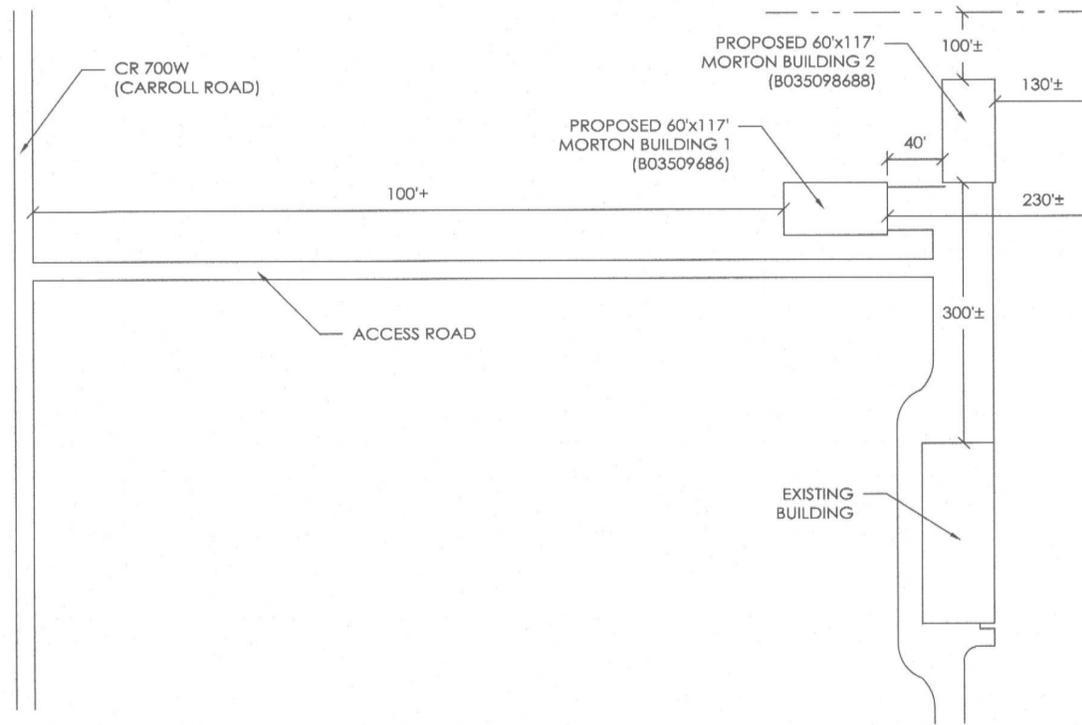
GUTTERS - 5" K-STYLE, .030 HIGH TENSILE ALUMINUM GUTTER, 70% PVDF FINISH TO MATCH TRIM, ON BOTH SIDES OF THE BUILDING.
2x4F1F1 02/12

DESIGN AND EXPLANATORY NOTES

- 1.) ALL PLOT PLANS AND RELATED DETAILS SHALL BE PROVIDED BY OWNER UNLESS INCORPORATED AS PART OF THESE DRAWINGS.
- 2.) MORTON BUILDINGS GENERAL SPECIFICATIONS APPLY UNLESS INDICATED DIFFERENTLY ON SPECIFIC JOB DRAWINGS OR SUPPLEMENTAL INFORMATION.
- 3.) MINIMUM LIVE ROOF LOAD DESIGNS FOR CONSTRUCTION, MAINTENANCE, REPAIR, AND OTHER TEMPORARY LOADS PER SECTION 1607.12.2
 - a.) ROOF PURLINS AND OTHER SECONDARY STRUCTURAL MEMBERS = 20 PSF
 - b.) ROOF TRUSSES, HEADERS, COLUMNS AND OTHER PRIMARY STRUCTURAL MEMBER = 14 PSF
 - c.) FOOTINGS = 14 PSF (DESIGNED FOR ROOF SNOW LOAD AND OTHER NON-TEMPORARY LOADS W/ APPROVAL FROM BUILDING OFFICIAL).
- 4.) NO ONE MAY ALTER ANY ENGINEERING ITEM UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED / REGISTERED ENGINEER .
- 5.) ♦ THE PRECEDING SYMBOL IDENTIFIES ITEMS THROUGHOUT THE PLANS THAT ARE NOT PROVIDED BY MORTON BUILDINGS, INC. OR MORTON BUILDINGS' SUBCONTRACTORS AND ARE THE OWNER'S RESPONSIBILITY.

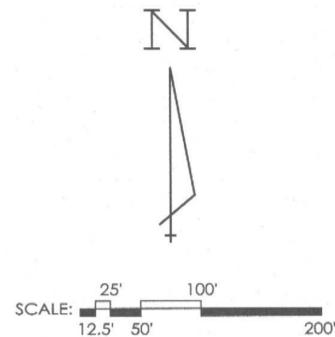
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RUSHVILLE, IN
JOB NO.
035-998686

DANIEL'S VINEYARD
 MCCORDSVILLE, IN
ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
 100 S. PERSHING P.O. BOX 110 MORTON, IL 61550
 PROF. CORP. REG # PC 90800090
 PHONE NUMBER: 309-263-4105



BUILDING LOCATION PLAN

ALLIED DESIGN



SHEET INDEX	
SHEET#	DESCRIPTION
G1 OF G1	SPECIFICATIONS & SHEET INDEX
S1 OF S6	COLUMN PLAN
S2 OF S6	TRUSS/BRACING PLAN & DETAILS
S3 OF S6	TRUSS DRAWING & DETAILS
S4 OF S6	ELEVATIONS
S5 OF S6	SECTIONS & DETAILS
S6 OF S6	SECTION & SHEARWALL DETAILS

CURRENT LUMBER SPECIFICATIONS (06-01-2013)		
SIZE	DESCRIPTION	BENDING VALUE Fb
2x4	NO. 2 SPF	1313 PSI
2x4	NO. 1 SYP	1500 PSI
2x4	2100f MSR SPF	2100 PSI
2x6	NO. 2 SPF	1138 PSI
2x6	NO. 1 SYP	1350 PSI
2x6	2100f MSR SPF	2100 PSI
2x6	2400 MSR SYP	2400 PSI
2x8	NO. 1 SYP	1250 PSI
2x8	2400 MSR SYP	2400 PSI
2x10	NO. 1 SYP	1050 PSI
2x10	2400 MSR SYP	2400 PSI
2x12	NO. 1 SYP	1000 PSI
2x12	2250f MSR SYP	2250 PSI
1 1/2"x16"	LAMINATED VENEER LUMBER	2800 PSI
3 1/2"x15"	GLU-LAM	1650 PSI
5 1/4"x16 1/2"	GLU-LAM	2400 PSI
5 1/4"x19 1/2"	GLU-LAM	2400 PSI

BUILDING DESIGN CRITERIA	
USE GROUP	U
CONSTRUCTION TYPE	VB
RISK CATEGORY	I
BUILDING AREA	7020 SQ. FT.
MIN. LIVE ROOF LOAD DESIGN	SEE NOTE #3
ROOF SNOW LOAD *	14 PSF
GROUND SNOW LOAD	20 PSF
WIND SPEED (Vult)	105 MPH
WIND SPEED (Vasd)	81 MPH

***ROOF SNOW LOAD CALCULATIONS**

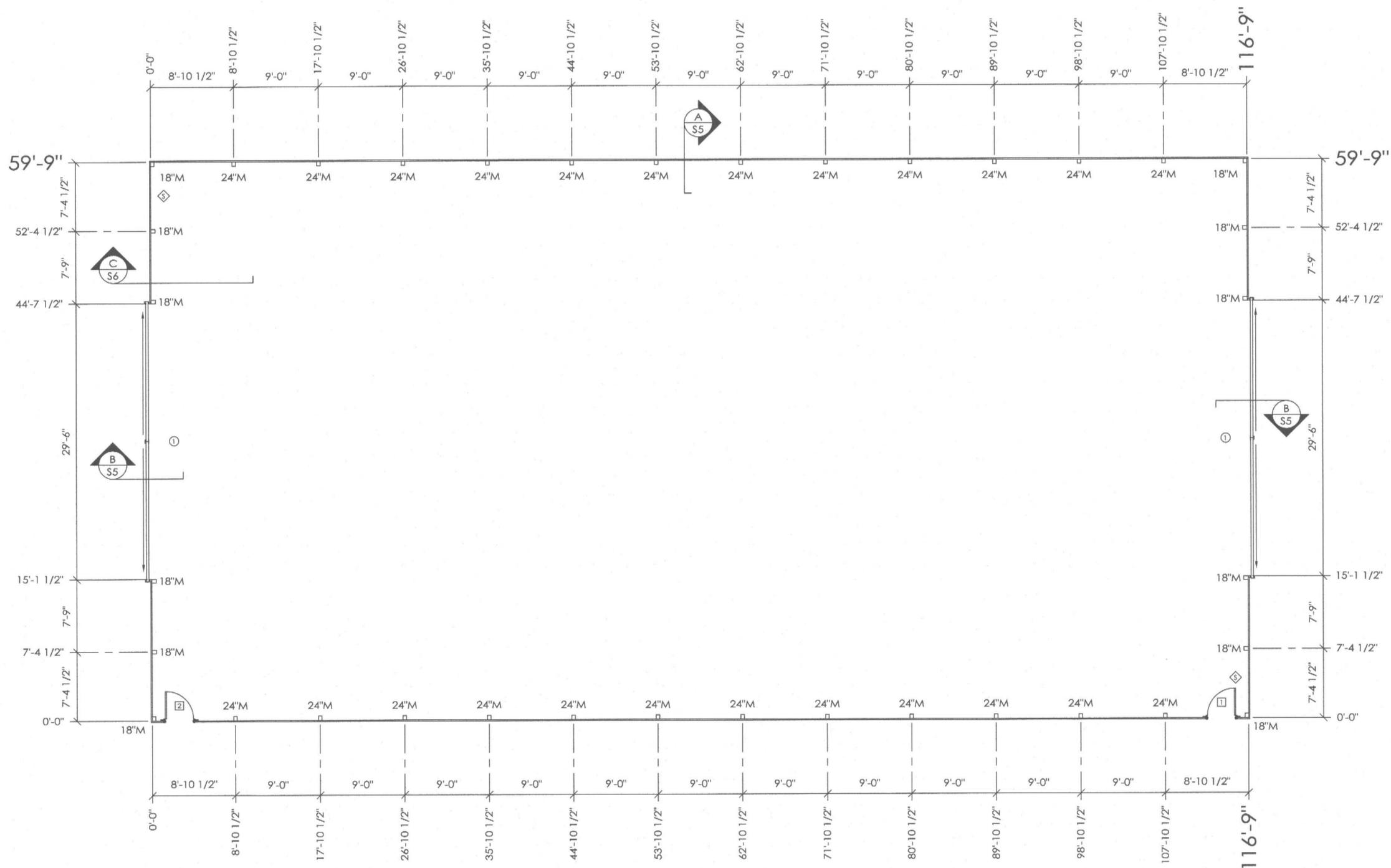
$Pf = 0.7 \times Ce \times I \times Pg \times Ct$
 $Ce =$ SNOW EXPOSURE FACTOR = 1.0
 $I =$ IMPORTANCE FACTOR = 0.8
 $Pg =$ GROUND SNOW LOAD = 20 PSF
 $Ct =$ THERMAL FACTOR = 1.2
 $Pf = 0.7 \times 1.0 \times 0.8 \times 20 \times 1.2 = 13.44$ PSF
 $Cs =$ ROOF SLOPE FACTOR = 1.00
 $Ps = Pf \times Cs = 13.44 \times 1.00 = 13.44$ PSF

I HEREBY CERTIFY THAT THE STRUCTURAL DESIGN FOR THIS BUILDING WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED/REGISTERED PROFESSIONAL ENGINEER.

MICHAEL L. MCCORMICK, P.E.
 mimmccormick@alieddesignaes.com
 DATE: 7-15-20 REG.#

DRAWN BY:	PTE
DATE:	6/11/2020
CHECKED BY:	JMD
DATE:	6/25/2020
REVISED DATE:	----

SCALE: AS NOTED
SHEET NO.
G1 OF G1



COLUMN PLAN

COLUMN PLAN LEGEND

- - 3-2x6 LAMINATED COLUMN LOCATION
- - 3068 MB910 PLAIN FLAT LEAF WALKDOOR, IN SWING, LEFT HINGE WITH LEVER LOCKSET
- - 3068 MB910 PLAIN FLAT LEAF WALKDOOR, IN SWING, RIGHT HINGE WITH LEVER LOCKSET
- ① - (2) 30'-0"x17'-6" DOUBLE SLIDING ALUMASTEEL END DOORS
- ◆ - SNOW RETAINERS
- ◆ - ALL STEEL FASTENED WITH STAINLESS STEEL SCREWS
- ◆ - 7/16" OSB SHEARWALL LOCATION (SEE DETAILS ON SHEET S6)
- 18" M - 18" DIAMETER FOOTING WITH 4' TO BOTTOM OF 21" THICK CONCRETE PAD (2500 PSI MINIMUM), 20" BELOW BOTTOM OF PRECAST CONCRETE COLUMN AROUND EXPOSED REBAR CAGE AND 3/4"x14" THREADED ROD WITH AN ADDITIONAL MINIMUM 1" ABOVE BOTTOM OF PRECAST CONCRETE COLUMN. PLACE CONCRETE BELOW AND ABOVE BOTTOM OF LOWER COLUMN IN ONE OPERATION.
- 24" M - 24" DIAMETER FOOTING WITH 4' TO BOTTOM OF 21" THICK CONCRETE PAD (2500 PSI MINIMUM), 20" BELOW BOTTOM OF PRECAST CONCRETE COLUMN AROUND EXPOSED REBAR CAGE AND 3/4"x14" THREADED ROD WITH AN ADDITIONAL MINIMUM 1" ABOVE BOTTOM OF PRECAST CONCRETE COLUMN. PLACE CONCRETE BELOW AND ABOVE BOTTOM OF LOWER COLUMN IN ONE OPERATION.

ROUGH OPENING SCHEDULE

UNIT SYMBOL FROM LEGEND	WIDTH	HEIGHT
1	37 3/4"	81"
2	37 3/4"	81"



DANIEL'S VINEYARD

MCCORDSVILLE, IN

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550
PROF. CORP. REG # PC 80800090

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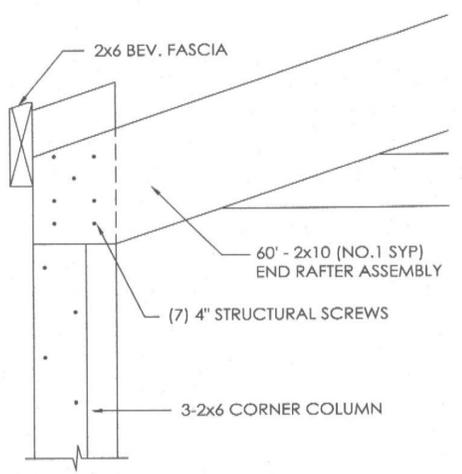
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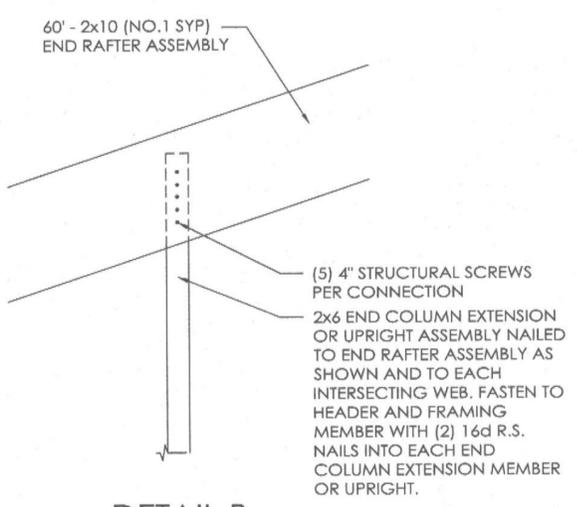
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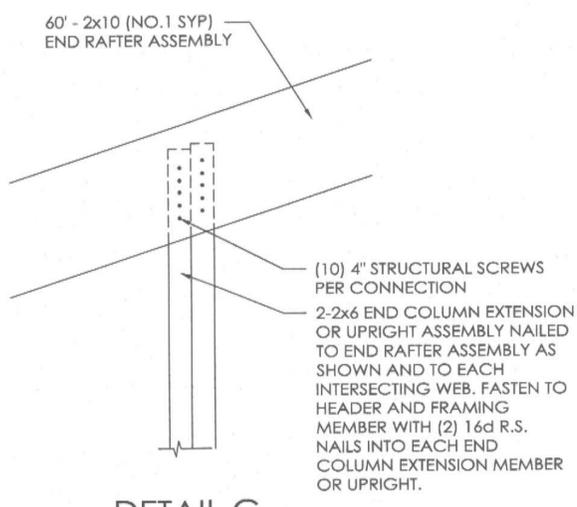
S1 OF S6



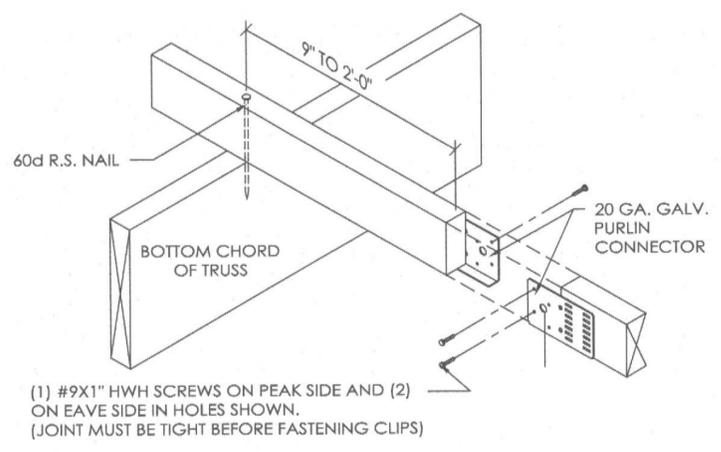
DETAIL A
SCALE: 1 1/2" = 1'-0"



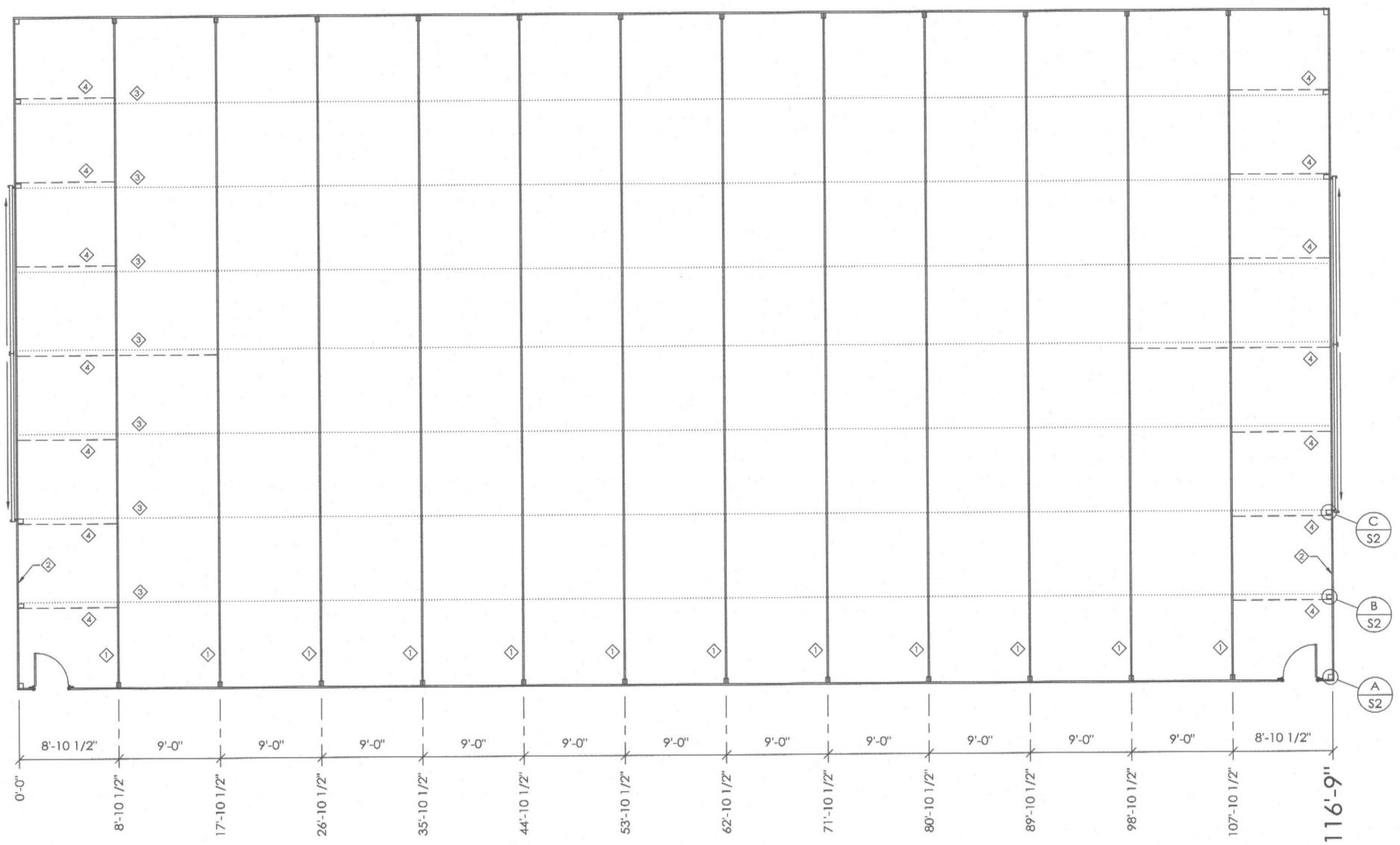
DETAIL B
SCALE: 1 1/2" = 1'-0"



DETAIL C
SCALE: 1 1/2" = 1'-0"



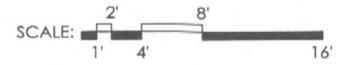
2x4 TRUSS TIE DETAIL



TRUSS/BRACING PLAN

TRUSS/BRACING PLAN LEGEND

- ◇ - 60' 1290 R.C. TRUSSES
- ◇ - 60' END RAFTER ASSEMBLY
- ◇ - 2x4 TRUSS TIES
- ◇ - 2x6 DIAGONAL END BRACES

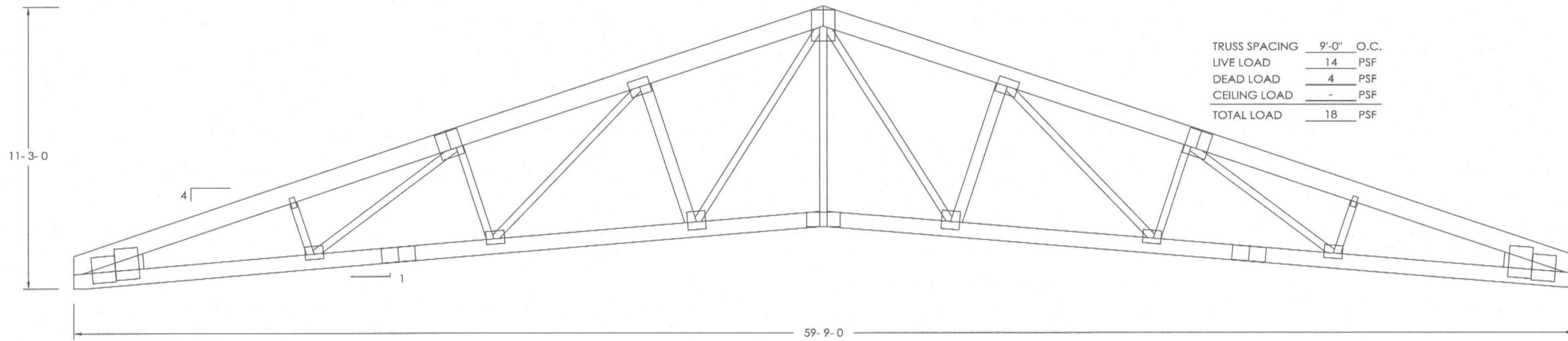


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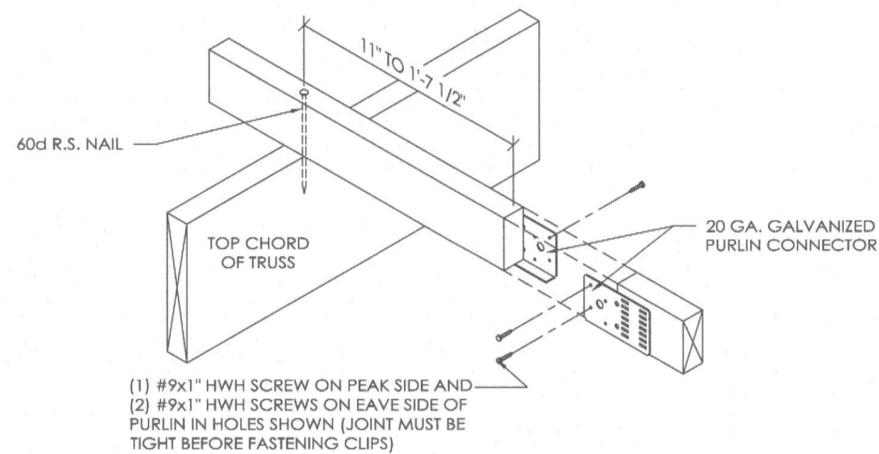
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60' R.C. 1290 (4116) TRUSS
SCALE: 5/16" = 1'-0"



2x4 BUTTED PURLIN DETAIL
(PURLIN CONNECTED WITH 60D R.S. NAIL)
SCALE: 1 1/2" = 1'-0"

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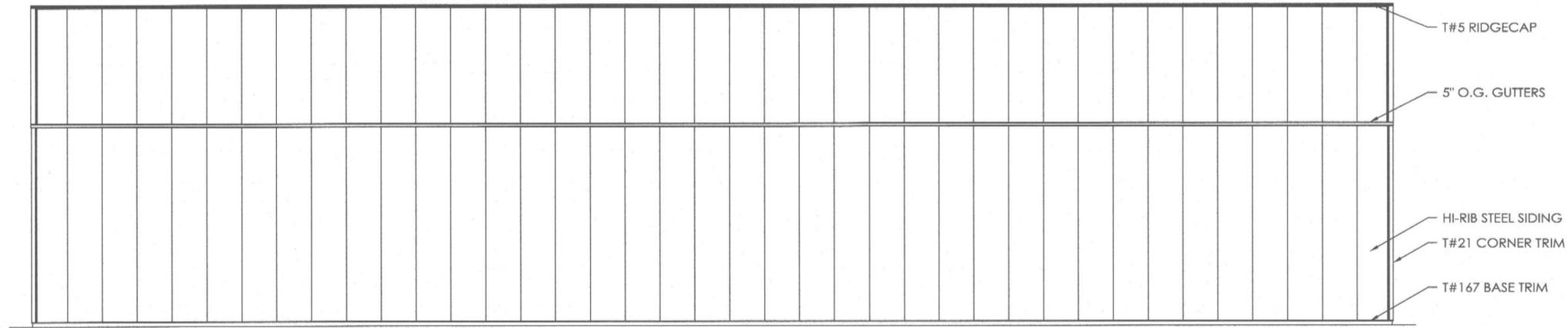
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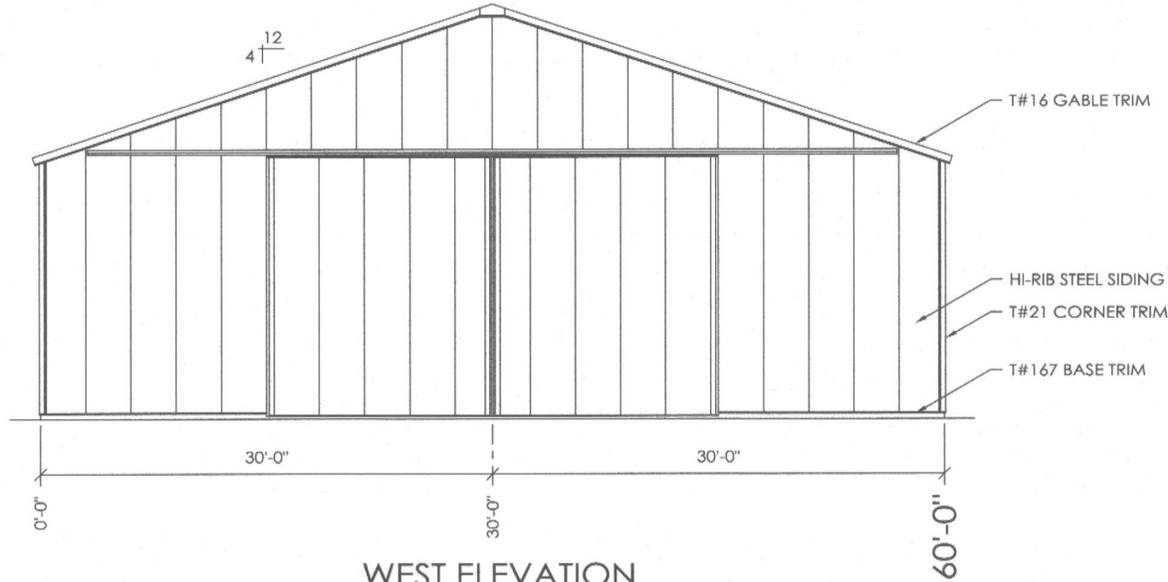
DESIGN AND EXPLANATORY NOTES

1.) EXTERIOR DOOR LOCATIONS ARE TAKEN FROM THE EXTERIOR FACE OF THE NAILERS AND ARE TO THE CENTER OF THE DOOR UNITS. VERIFY ALL DOOR LOCATIONS WITH THE OWNER.

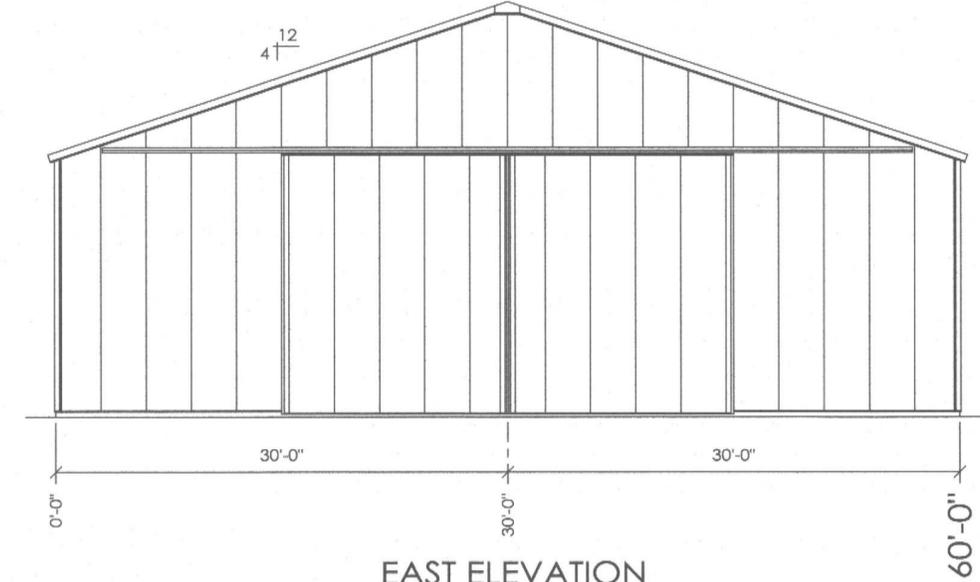
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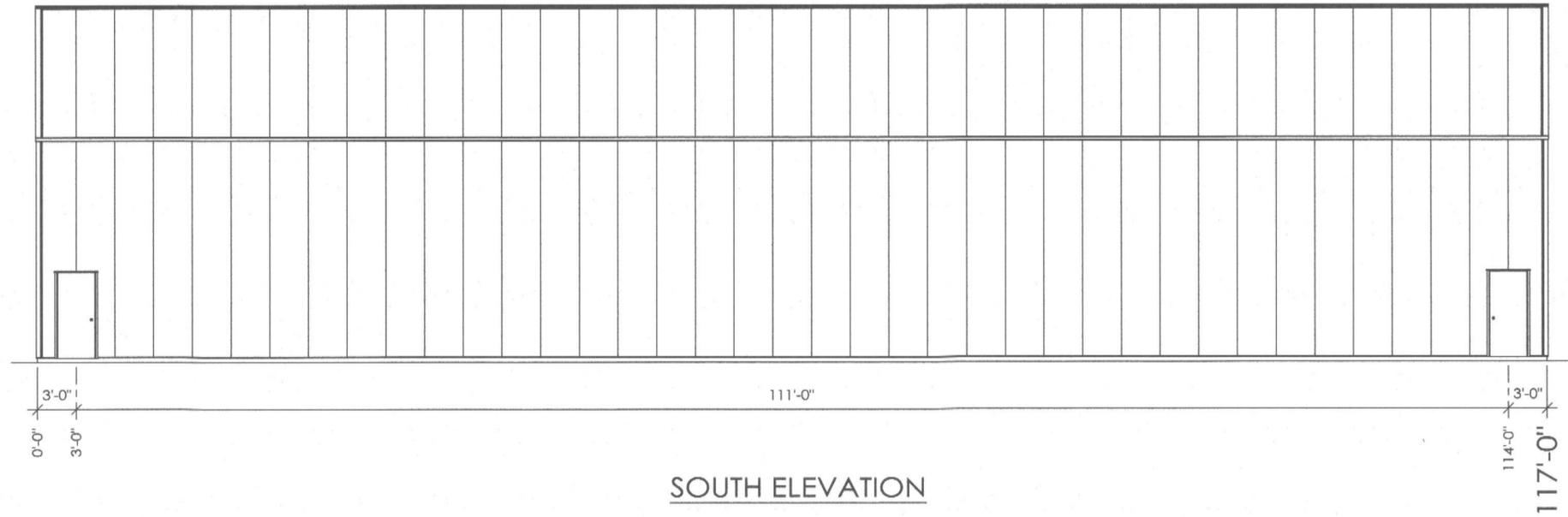
NORTH ELEVATION



WEST ELEVATION



EAST ELEVATION



SOUTH ELEVATION

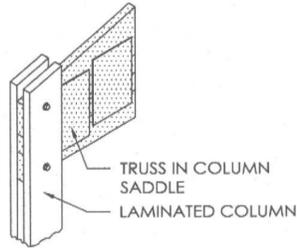


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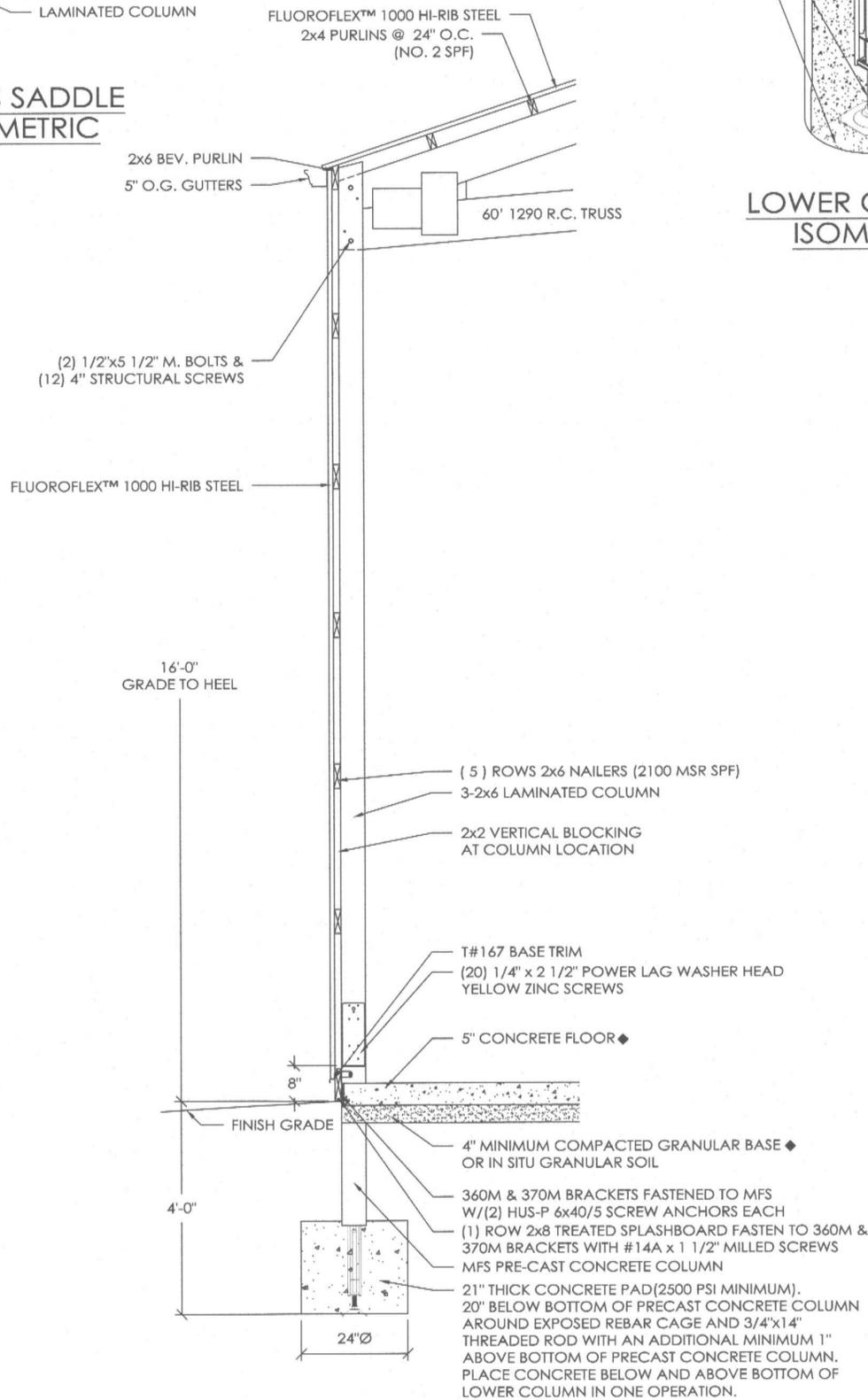
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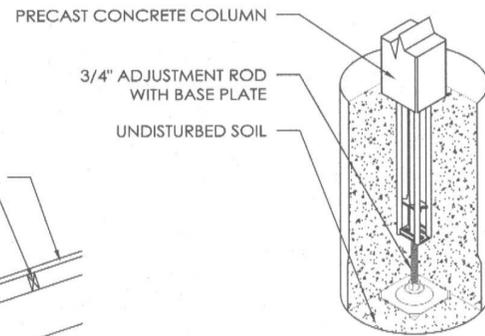
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S4 OF S6



TRUSS SADDLE ISOMETRIC



SIDEWALL SECTION A
SCALE: 1/2" = 1'-0"



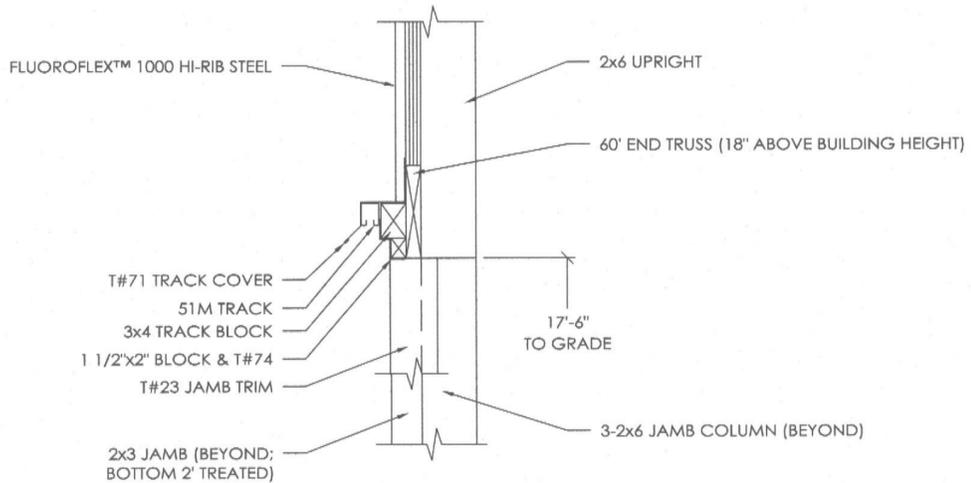
LOWER COLUMN ISOMETRIC

LOWER COLUMN INSTALLATION

1. INSTALL PRECAST CONCRETE COLUMN W/ADJUSTMENT ROD & BASE PLATE IN THE AUGERED HOLE.
2. PLUMB PRECAST CONCRETE COLUMN IN BOTH DIRECTIONS
3. ADJUST HEIGHT UP OR DOWN WITH ADJUSTMENT HEX ROD
4. POUR READI-MIX CONCRETE INTO THE HOLE AS SPECIFIED.
5. BACKFILL AND COMPACT THE ANNULAR SPACE AROUND THE COLUMN TO GRADE WITH SOIL AUGERED FROM THE SITE.

DESIGN AND EXPLANATORY NOTES

1. FOOTINGS ARE DESIGNED FOR A 2000 PSF SOIL BEARING CAPACITY. LOCAL CONDITIONS MAY REQUIRE MODIFICATIONS.
2. CONCRETE FLOOR NOTES:
 - a. 3500 PSI, 5 1/2 BAG MIX CONCRETE.
 - b. SLOPE GRADE AWAY FROM BUILDING @ 1" PER FOOT FOR A MINIMUM DISTANCE OF 10' PLUS OVERHANG WIDTH.
 - c. A VAPOR RETARDER IS NOT MANDATED PER IBC SECTION 1907 EXCEPTION 3. UNLESS THE FLOOR WILL BE COVERED BY MOISTURE SENSITIVE FLOORING MATERIALS OR IMPERMEABLE FLOOR COATINGS OR WHERE THE FLOOR WILL BE IN CONTACT WITH ANY MOISTURE SENSITIVE EQUIPMENT OR PRODUCT.
 - d. CONTRACTION JOINTS UNIFORMLY SPACED 15' O.C. OR LESS.
3. PRIOR TO PLACING THE CONCRETE FOOTINGS, HAND TAMP THE BOTTOM 2'-3" OF LOOSE SOIL TO CONSOLIDATE. IF THE DRILLED HOLE CONTAINS MORE THAN 3" OF LOOSE SOIL, REMOVE EXCESS SOIL TO A UNIFORM THICKNESS OF 2'-3", HAND TAMP AND PROCEED WITH CONCRETE FOOTING PLACEMENT.
4. DO NOT PLACE CONCRETE FOOTING THROUGH MORE THAN 3" OF STANDING WATER. IF MORE THAN 3" OF STANDING WATER IS PRESENT IN THE FOOTING HOLE CONTACT THE STRUCTURAL ENGINEER OF RECORD FOR INSTALLATION INSTRUCTIONS.



SLIDING DOOR HEADER SECTION B

SCALE: 1" = 1'-0"

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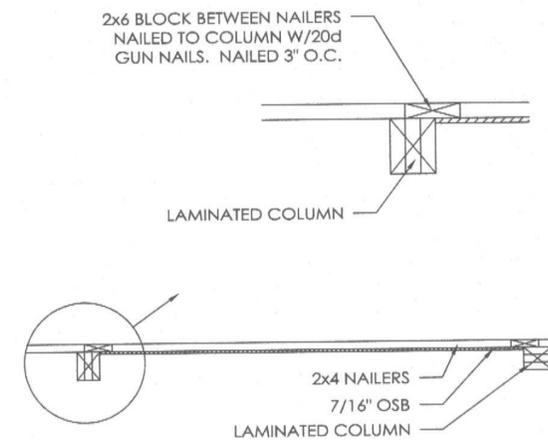
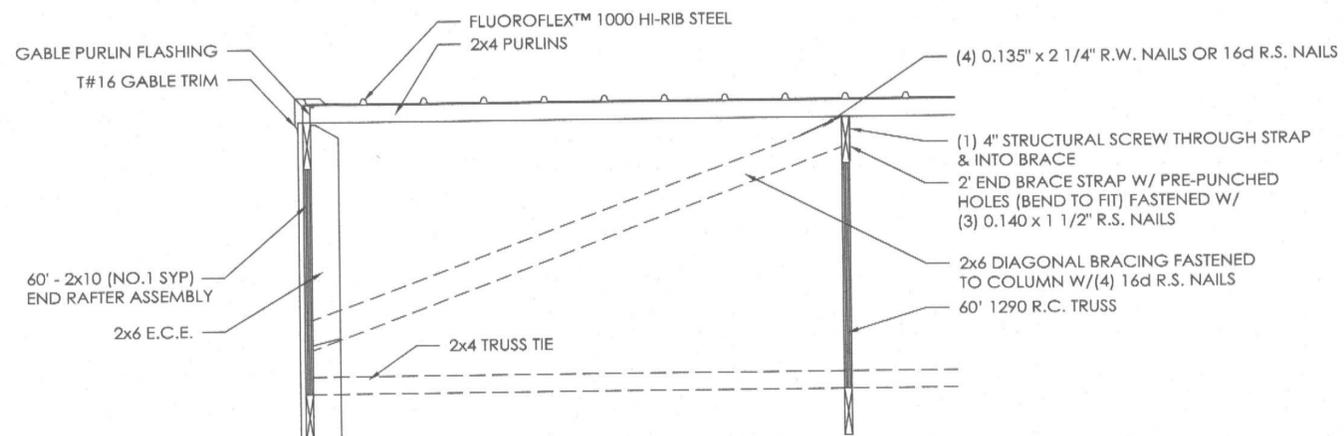
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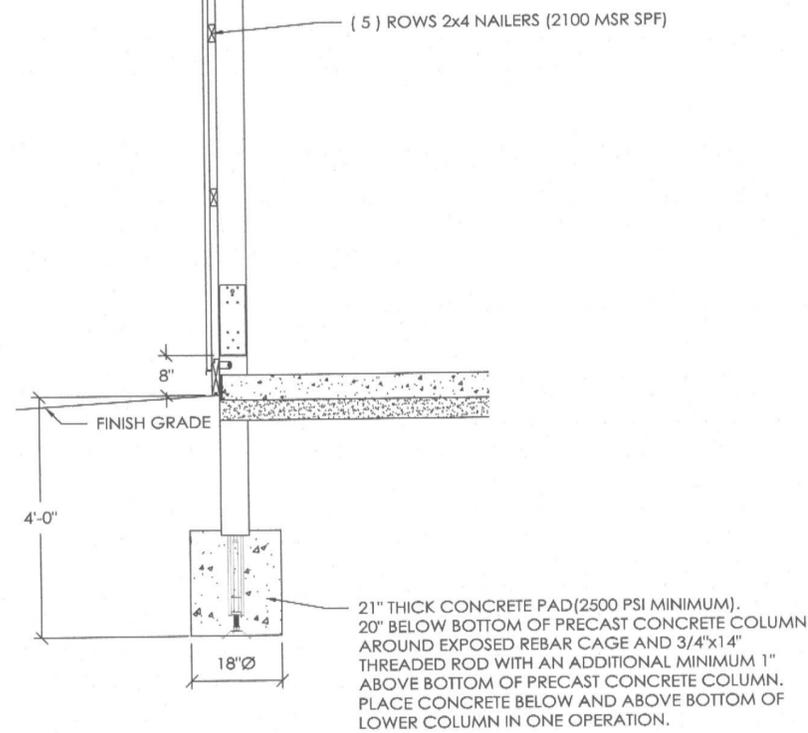
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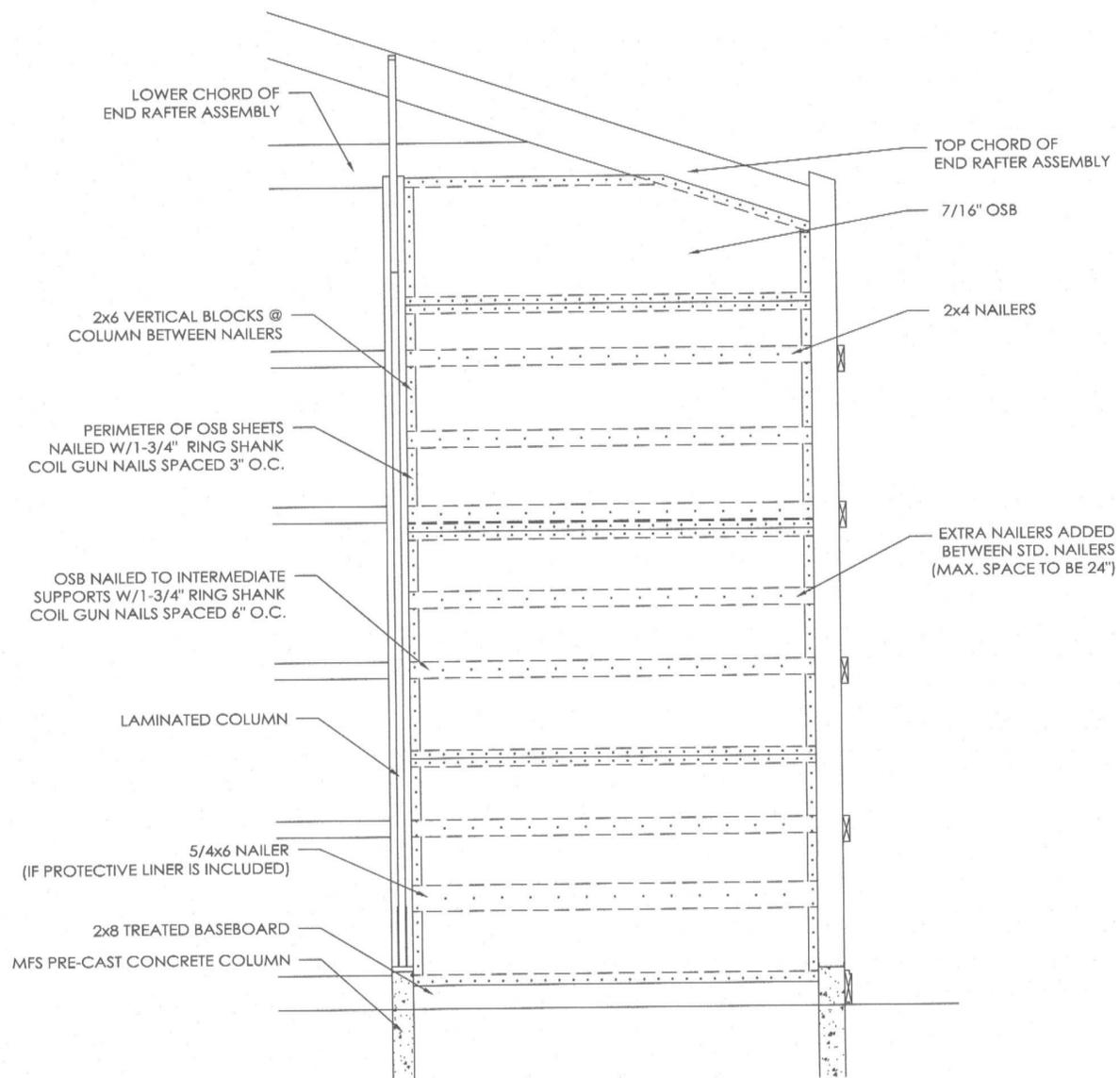
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S5 OF S6



OSB SHEARWALL DETAIL
SCALE: 1/2" = 1'-0"



ENDWALL SECTION C
SCALE: 1/2" = 1'-0"



7/16" OSB SHEARWALL ELEVATION
SCALE: 1/2" = 1'-0"

DANIEL'S VINEYARD

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