

# HEATED STORAGE BUILDING

## 806R ELM STREET

### WATERTOWN, WISCONSIN

#### OUTLINE SPECIFICATION

##### GENERAL CONDITIONS

THIS PLAN AND SPECIFICATION ARE INTENDED TO GIVE A DESCRIPTION OF THE WORK. HOWEVER, THE ALL CONTRACTORS SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS AND ACCESS TO THE WORK AREA. THERE SHALL BE NO DEVIATIONS FROM THE PLANS AND SPECIFICATIONS WITHOUT THE WRITTEN CONSENT OF THE DESIGNER. THE CONTRACTOR IS TO CLARIFY ANY DISCREPANCIES WITH THE OWNER PRIOR TO BEGINNING WORK.

THE CONTRACTOR SHALL FURNISH ALL LABOR MATERIAL (INCLUDING TAXES) AND EQUIPMENT AS NECESSARY TO COMPLETE THE WORK. THE BUILDING PERMIT SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR. ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS, INCLUDING THE REQUIREMENTS ANSI A117.1-2009 ARE HEREBY MADE A PART OF THESE SPECIFICATIONS AND SHALL BE COMPLIED WITH RELATIVE TO WORK UNDER THIS CONTRACT.

CONTACT "DIGGER'S HOTLINE" PRIOR TO ANY EXCAVATION WORK.

REFERENCE TO MATERIALS OR SYSTEMS HEREIN BY NAME MAKE OR CATALOG NUMBER IS INTENDED TO ESTABLISH A STANDARD OF QUALITY AND STYLE, AND NOT TO LIMIT COMPETITION AND THE WORDS "OR APPROVED EQUIVALENT" ARE IMPLIED FOLLOWING EACH BRAND NAME, "OR APPROVED EQUIVALENT" MATERIALS SHALL BE APPROVED BY THE OWNER/DESIGNER PRIOR TO ACCEPTANCE FOR USE.

SHOP DRAWINGS FOR ALL STRUCTURAL ITEMS SHALL BE SUBMITTED TO THE DESIGNER FOR REVIEW. SHOP DRAWINGS AND SAMPLES FOR FINISHES AND NON-STRUCTURAL ITEMS ARE TO BE SUBMITTED TO THE OWNER FOR APPROVAL PRIOR TO INSTALLATION. ALL SHOP DRAWINGS SHALL BE REVIEWED AND STAMPED BY THE CONTRACTOR PRIOR TO SUBMITTING FOR APPROVAL.

##### DESIGN LIVE LOADS:

GROUND SNOW LOAD	30 PSF
WIND LOAD	115 MPH
MAIN FLOOR LIVE LOAD	250 PSF

##### SITE WORK / EXCAVATION

WORK TO PREPARE THE AREA FOR NEW FOUNDATIONS, CONCRETE APRONS AND FLOORS. NO TOPSOIL IS TO BE LEFT UNDER PAVED AREAS, BUILDING AREAS, OR FUTURE BUILDING AREAS. TOPSOIL IS THE PROPERTY OF THE OWNER; THE DISPOSAL OF SURPLUS IS TO BE DETERMINED BY THE OWNER. ANY OTHER UNSUITABLE MATERIAL WILL BE TRUCKED OFF THE SITE TO A SUITABLE DISPOSAL AREA.

PROVIDE EXCAVATION AND TRENCHING AS REQUIRED FOR FOUNDATION WORK AS SHOWN ON THE PLANS. ANY REQUIRED CUTS OR SUBSOIL EXCAVATION WILL BE ACCOMPLISHED TO MAINTAIN FINISH ELEVATIONS SHOWN. IMPORTED FILL TO BE PLACED IN 8" LIFTS COMPACTED TO 95% PROCTOR. PROVIDE LAST LIFT OF GRANULAR MATERIAL FOR THE INTERIOR FLOOR.

FOUNDATION TRENCH OR PIPING TRENCH BACKFILL INSIDE OF BUILDING OR UNDER DRIVE AND WALK AREAS IS TO BE GRANULAR MATERIAL. INCLUDE ALL ROUGH GRADING OF SITE. ADJACENT PUBLIC ROAD SURFACES ARE TO BE KEPT FREE FROM TRACKED MUD AND DIRT.

##### CONCRETE

DESIGN AND CONSTRUCTION OF ALL CAST-IN-PLACE CONCRETE WORK SHALL CONFORM TO ACI 318 AND CRSI STANDARDS.

DESIGN MIXES SHALL BE IN ACCORDANCE WITH ASTM C94.

- STRENGTH TO BE MINIMUM 3,500 PSI AT 28 DAYS FOR FOOTINGS AND WALLS.
- STRENGTH TO BE MINIMUM 3,500 PSI AT 28 DAYS FOR SLABS ON GRADE.
- STRENGTH TO BE MINIMUM 4,000 PSI AT 28 DAYS FOR COLUMNS, BEAMS AND STRUCTURAL SLABS.
- SLUMP SHALL NOT EXCEED 4 INCHES
- ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED WITH 4-7% AIR CONTENT. NO ADMIXTURES SHALL BE USED WITHOUT APPROVAL OF THE DESIGNER.
- MAXIMUM AGGREGATE SIZE FOR FOOTING TO BE 1 1/2"
- MAXIMUM AGGREGATE SIZE FOR ALL OTHER WORK TO BE 3/4".

ALL REINFORCING BARS SHALL BE ASTM A615 GRADE 60. THICKNESS OF CONCRETE COVER OVER REINFORCEMENT SHALL BE NOT LESS THAN 3" WHERE CONCRETE IS DEPOSITED AGAINST THE GROUND WITHOUT THE USE OF FORMS AND NOT LESS THAN 1 1/2" IN ALL OTHER LOCATIONS. ALL REINFORCING SHALL BE LAPPED 36 DIAMETERS FOR UP TO #6 BARS, 60 DIAMETERS FOR #1 TO #10 BARS OR AS NOTED ON THE DRAWINGS AND EXTENDED AROUND CORNERS WITH CORNER BARS. PLACING AND DETAILING OF STEEL REINFORCING AND REINFORCING SUPPORTS SHALL BE IN ACCORDANCE WITH CRSI AND ACI MANUAL AND STANDARD PRACTICES. THE REINFORCEMENT SHALL NOT BE PAINTED AND MUST BE FREE OF GREASE/OIL, DIRT OR DEEP RUST WHEN PLACED IN THE WORK. IF USED, ALL WELDED WIRE FABRIC SHALL MEET THE REQUIREMENT OF ASTM A105, AND SHALL BE PLACED IN CENTER OF SLAB UNLESS INDICATED OTHERWISE. SAWCUT FLOOR SLAB AS SOON AS PRACTICABLE. SAWCUT SPACING TO BE NO MORE THAN 30 TIMES THE SLAB THICKNESS, WITH A MAXIMUM OF 15' ON CENTER. SAWCUT TO 1/4" OF SLAB DEPTH UNLESS EMBEDDED ITEMS PRECLUDE SUCH CUTTING DEPTH.

##### LUMBER

ROUGH LUMBER SHALL BE GRADED AND STAMPED WITH STRUCTURAL DESIGN VALUES. ALL OTHER LUMBER SPF CONSTRUCTION #2 OR BETTER. ALL WOOD BASE PLATES IN CONTACT WITH CONCRETE, MASONRY, GROUND OR EXPOSED TO THE WEATHER TO BE P.P.T. LUMBER (NON-ARSENIC).

CONFORM TO FASTENING SCHEDULE 2304.10.1 IN IBC2015

##### ENGINEERED WOOD TRUSSES

PROVIDE WOOD TRUSSES DESIGNED BY WISCONSIN LICENSED ENGINEER. INCLUDE STAMPED AND SEALED DRAWINGS LISTING ALL LOADINGS, AND TEMPORARY AND PERMANENT BRACING. PER IBC 2015 SECTION 2302.1.2, THE BRACING OF WOOD TRUSSES SHALL COMPLY TO THEIR APPROPRIATE ENGINEERED DESIGN. IN ADDITION TO IBC 2015 SECTIONS 2303.4.1 AND 2303.4.5, THE DESIGN, MANUFACTURE AND QUALITY ASSURANCE OF METAL-PLATE-CONNECTED WOOD TRUSSES SHALL BE IN ACCORDANCE WITH TPI-1.

##### SIDING

FURNISH AND INSTALL 29 GA PRE-FINISHED RIBBED METAL WALL PANEL IN OWNER'S CHOICE OF COLOR(S). PROVIDE ALL APPROPRIATE TRIMS AND ACCESSORIES.

##### ROOFING

FURNISH AND INSTALL 29 GA PRE-FINISHED RIBBED METAL PANEL. PROVIDE ALL APPROPRIATE TRIMS AND ACCESSORIES. APPLY COMPATIBLE FLASHING AT CURBS, VENTS, PIPES, AND DRAINS, ETC., AS PER MANUFACTURER. DO NOT USE ASPHALTIC COMPOUNDS.

##### SEALANTS

CAULK AROUND ALL DOORS, VENT OPENINGS, WHERE DIFFERENT MATERIALS MEET, ROOF OPENINGS, EAVES, SOFFITS, JOINTS, AROUND PLUMBING FIXTURES, COUNTERTOPS, DOORFRAMES, ETC. AND AS REQUIRED FOR A WATERTIGHT CONNECTION. PROVIDE CAULK PER MANUFACTURERS RECOMMENDATIONS. CAULK TO BE INSTALLED AFTER FINISH IS APPLIED TO SURFACES PER MANUFACTURER.

##### DOORS AND FRAMES

FURNISH AND INSTALL ALL DOOR ASSEMBLIES AS INDICATED ON THE PLANS ALONG WITH ALL HARDWARE INDICATED AND THAT MAY BE REQUIRED FOR A COMPLETE JOB. ALL DOORS SHALL OPERATE SMOOTHLY WITHOUT BINDING, AND BE INSTALLED PLUMB AND TRUE. ALL HARDWARE SHALL FIT PROPERLY AND BE ADJUSTED AS REQUIRED.

##### DOORS AND FRAMES

FURNISH AND INSTALL ALL DOOR ASSEMBLIES AS INDICATED ON THE PLANS ALONG WITH ALL HARDWARE INDICATED AND THAT MAY BE REQUIRED FOR A COMPLETE JOB. ALL DOORS SHALL OPERATE SMOOTHLY WITHOUT BINDING, AND BE INSTALLED PLUMB AND TRUE. ALL HARDWARE SHALL FIT PROPERLY AND BE ADJUSTED AS REQUIRED.

##### OVERHEAD DOORS

FURNISH AND INSTALL COMMERCIAL GRADE OVERHEAD DOORS WITH ALL ACCESSORIES AND CONTROLS. ADJUST FOR PROPER OPERATION. PROVIDE POWER OPERATORS WITH 3-BUTTON CONTROLS.

##### FINISH HARDWARE

ALL FINISH HARDWARE SHALL BE AS REQUIRED TO MEET REQUIREMENTS OF ANSI A117.1-2009.

##### FLOOR FINISHES

EXPOSED CONCRETE FLOOR.

##### WALL AND CEILING FINISHES

29 GA RIBBED METAL WALL PANEL; AND OSB.

##### PAINTING

EXTERIOR MATERIALS ARE FACTORY PRE-FINISHED. TOUCH UP AS NECESSARY. PRIME AND PAINT INTERIOR GYPSUM BOARD SURFACES. STAIN, SEAL AND VARNISH INTERIOR WOOD TRIM IF NOT PRE-FINISHED.

##### FIRE EXTINGUISHERS

FURNISH AND INSTALL EXTINGUISHERS PER N.F.P.A. MOUNT FIRE EXTINGUISHER NO HIGHER THAN 48" ABOVE FINISH FLOORS UNLESS LOCAL REGULATIONS REQUIRE DIFFERENT HEIGHT. ALL FIRE EXTINGUISHERS AND CABINETS TO MEET THE REQUIREMENTS OF ANSI A117.1-2009.

##### PLUMBING WORK

NONE REQUIRED.

##### HEATING AND VENTILATION WORK

ALL HVAC WORK SHALL BE PERFORMED IN ACCORDANCE WITH STATE AND LOCAL CODES. HVAC PLANS ARE NOT A PART OF THIS PLAN SET.

##### ELECTRICAL WORK

EXIT DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. PROVIDE TYPE WITH 90 MINUTE CONTINUED ILLUMINATION IN EVENT OF LINE POWER LOSS. CONFORM TO IBC1015 1006.4 - PROVIDE ONE (1) STAMPED, SIGNED AND SEALED PHOTOMETRIC CALCULATIONS FOR THE JOBSITE THAT DEMONSTRATE THAT THE PROPOSED EMERGENCY LIGHTING WILL PROVIDE AN INITIAL ILLUMINATION OF AT LEAST AN AVERAGE OF 1.0 FOOT-CANDLE, AND MINIMUM AT ANY POINT OF 0.1 FOOT-CANDLE. PHOTOMETRIC CALCULATIONS SHALL BE PROVIDED THAT DEMONSTRATE THE MAXIMUM TO MINIMUM ILLUMINATION UNIFORMITY RATIO OF 40:1 IS NOT EXCEEDED. THE ELECTRICAL WORK IS NOT A PART OF THIS PLAN SET.

#### PROJECT DATA

PROJECT	HEATED STORAGE BUILDING, UNOCCUPIED				
OWNER	SCHLIEWE RENTALS, LLC 804 ELM STREET WATERTOWN, WI 53098				
LOCATION	806R ELM STREET WATERTOWN, WI DODGE COUNTY				
A.H.J.	CITY OF WATERTOWN DODGE COUNTY STATE OF WISCONSIN				
PREVIOUS TRANS ID	NONE				
CONTRACTOR	T.B.D.				
ZONING	G2 - COMMERCIAL				
GOVERNING CODE	IBC 2015				
CONSTRUCTION CLASS	VB NON-SPRINKLERED				
USE AND OCCUPANCY	S-1 MODERATE HAZARD STORAGE				
RISK CATEGORY	II BUILDINGS AND OTHER STRUCTURES EXCEPT THOSE LISTED IN RISK CATEGORY I, III AND IV				
EXISTING AREA	0 SF				
NEW AREA	4,992 SF				
TOTAL AREA	4,992 SF < 9,000 SF IBC 2015 TABLE 506.2 4,992 SF <= 5,000 SF IBC 2015 FIGURE 903.2				
CAPACITY	4,992 SF / 500 SF PER OCCUPANT = (10) CALCULATED (0) IN USE; UNOCCUPIED				
PROPERTY AREA	6.367 ACRES (LESS THAN 1 ACRE DISTURBED) BUILDING IS CLEAR OF FLOOD PLAIN				
FLOOR LOADING	SLAB ON GRADE 250 PSF LL				
WIND	LOAD	EXPOSURE	IMP.	GUST	TYPE
	115 MPH	C	1.00	1.02	ENCLOSED
SNOW	LOAD	IMP.	SLOPE	EXP.	THERMAL
	30 PSF GROUND 16.9 PSF ROOF HTD	1.0		0.9	1.10
SEISMIC	CATEGORY	USE	IMP.		
	A	I	1.00		
SOILS	BEARING CAPACITY			TYPE	
	3000 PSF PRESUMED			D	

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T1.0	TITLE SHEET WITH PROJECT DATA AND SPECIFICATIONS
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A1.1	FOUNDATION PLAN
A2.0	ROOF FRAMING PLAN
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A3.1	DETAILS
A4.0	ELEVATIONS

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DATE  
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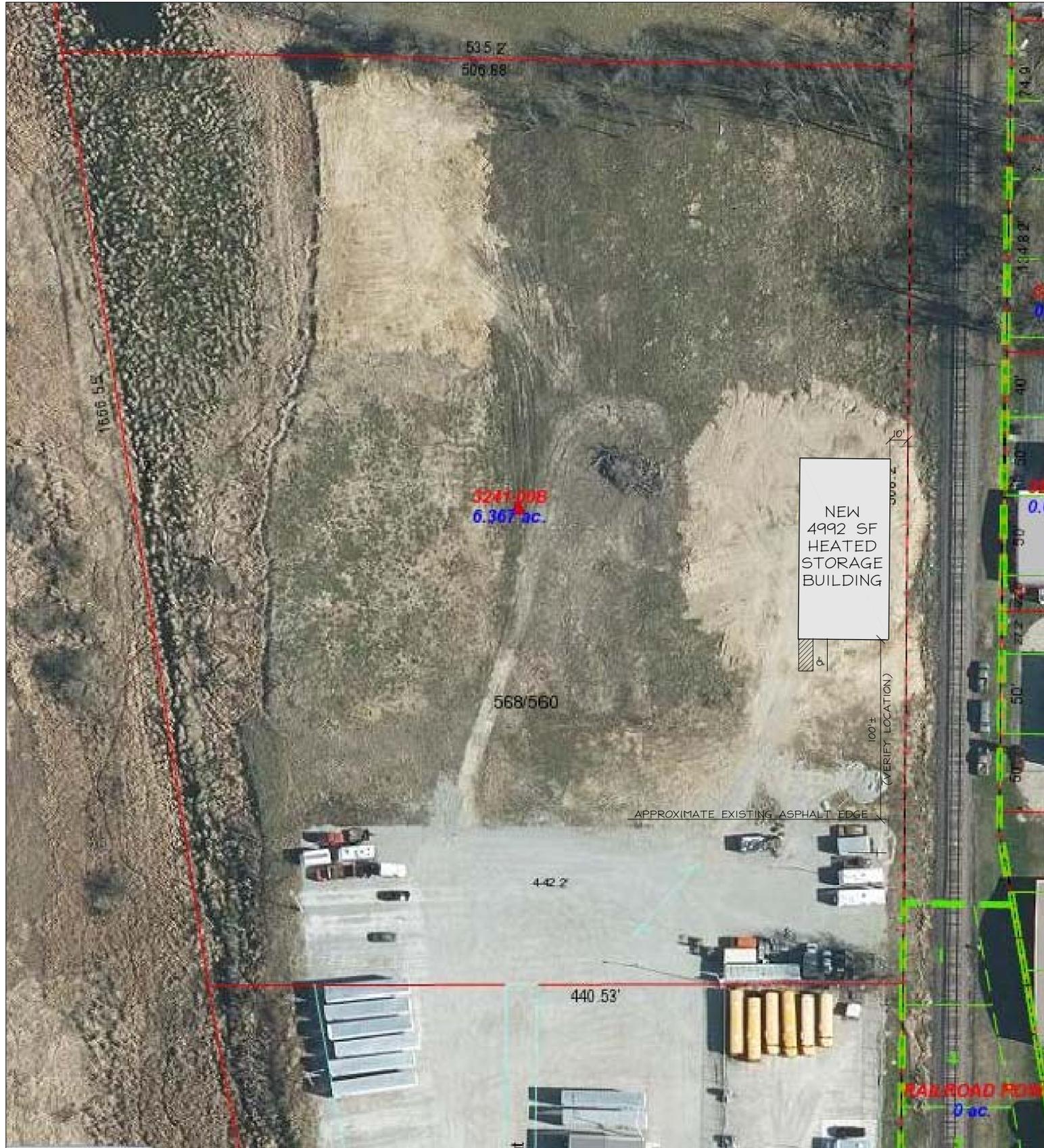
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PROVIDE (1) 8' X 18' ACCESSIBLE PARKING STALL WITH ADJACENT 8' X 18' MANEUVERING SPACE. ROUTE TO PRIMARY ENTRANCE SHALL NOT HAVE A SLOPE GREATER THAN 1/4":12" IN ANY DIRECTION AT ANY LOCATION.

ON ACCESSIBLE ROUTE, PER ANSI A117.1 SEC 303.3, CHANGES IN LEVEL GREATER THAN 1/4", AND NOT MORE THAN 1/2" MAXIMUM IN HEIGHT, SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. CHANGES IN ELEVATION GREATER THAN 1/2" SHALL BE RAMPED TO COMPLY WITH SEC 405 OR 406. SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT PER 302.1. PROVIDE BUILDING OR POLE MOUNTED SIGN BEARING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. BOTTOM OF SIGN TO BE MINIMUM 60" ABOVE FINAL GRADE.

**SITE OVERVIEW**  
NO SCALE





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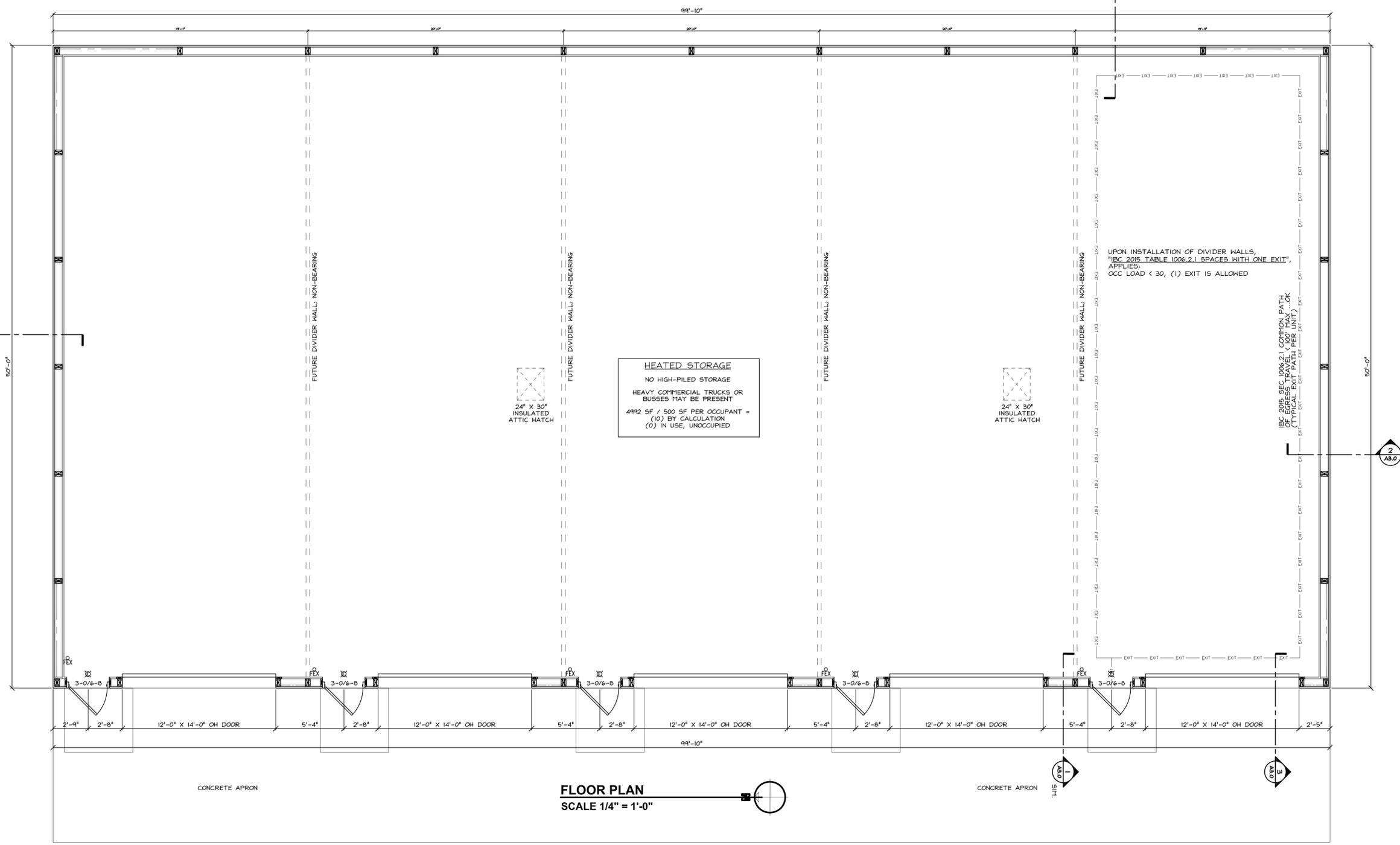
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**FLOOR PLAN**  
 SCALE 1/4" = 1'-0"

PER IBC 2015 SEC 2406.4 - PROVIDE SAFETY GLAZING IN ALL WINDOWS AND DOORS AFFECTED BY THIS CODE SECTION.

IBC 2015 SECTION 1809 SHALLOW FOUNDATIONS  
 1809.5 METHOD 2  
 SHALLOW FOUNDATION IS DESIGNED IN COMPLIANCE WITH ASCE 32-01, METHOD 5 (SIMPLIFIED FPSF DESIGN METHOD FOR HEATED BUILDINGS WITH SLAB-ON-GROUND FOUNDATIONS).

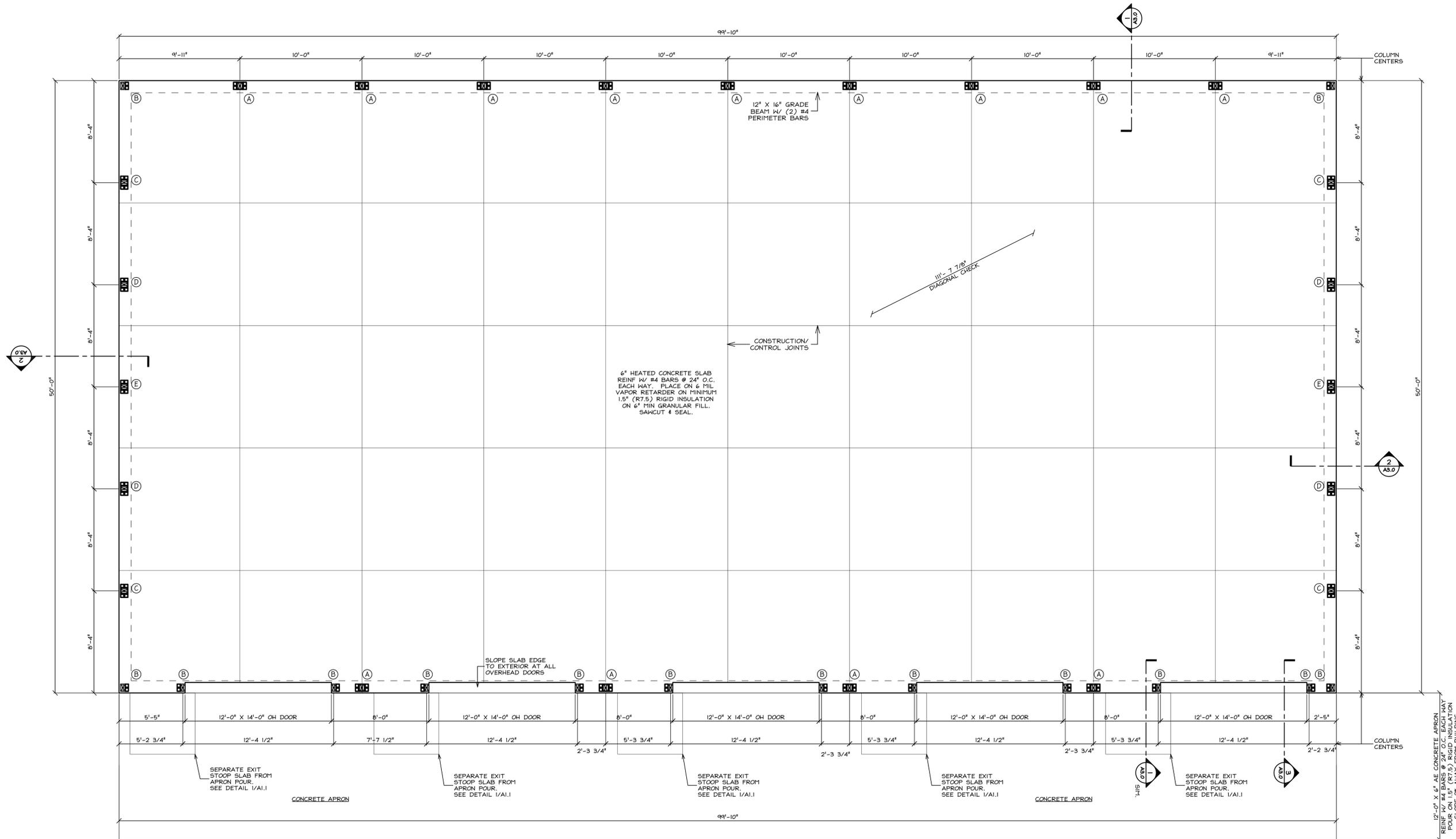
SPS 362.1809 FROST-PROTECTED SHALLOW FOUNDATIONS  
 (1) THIS IS A DEPARTMENT RULE IN ADDITION TO THE REQUIREMENTS IN IBC 1809.5 WHERE A FROST-PROTECTED SHALLOW FOUNDATION IS RELIED UPON FOR A HEATED OR SEMI-HEATED STRUCTURE, PERMANENT, LEGIBLE NOTICES SHALL BE POSTED NEAR THE THERMOSTATS OF ALL BUILDING HEATING APPLIANCES THAT INDICATES ALL OF THE FOLLOWING:  
 (A) THAT THE STRUCTURE IS DESIGNED USING A FROST-PROTECTED SHALLOW FOUNDATION.  
 (B) THE MINIMUM MONTHLY AVERAGE TEMPERATURE THAT THE STRUCTURE MUST BE MAINTAINED AT TO AVOID FROST DAMAGE TO THE FOUNDATION.

FX PROVIDE FIRE EXTINGUISHERS IN ACCORDANCE WITH IBC2015 TABLE 906.3(1) AND NFPA 10.  
 ILLUMINATED EXIT SIGN

PROVIDE FIRE EXTINGUISHERS IN ACCORDANCE WITH IBC2015 TABLE 906.3(1) AND NFPA 10.

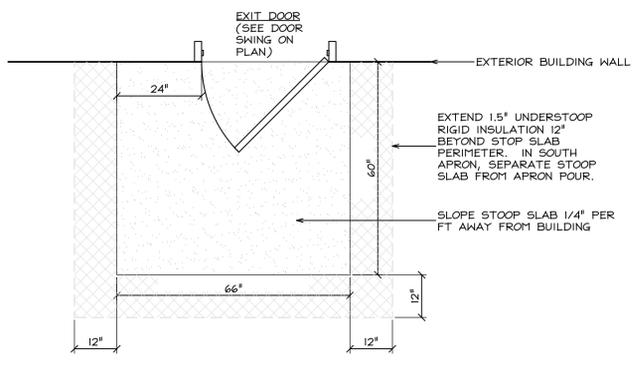
IBC2015 TABLE 906.3 CLASS A FIRE HAZARD AND NFPA 10 PROVIDE (1) CLASS 2-A 5-B FIRE EXTINGUISHER PER UNIT -OR- ON EXTERIOR @ NO MORE THAN 75' APART

ANSI A117.1 SEC 309 OPERABLE PARTS AND CONTROLS OF DOORS SHALL BE OPERABLE WITH THE USE OF ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THESE PARTS OR CONTROLS SHALL BE OPERABLE WITH NO MORE THAN 5 POUNDS REQUIRED TO ACTIVATE THEM. CLEAR FLOOR SPACE AND REACH RANGES SHALL COMPLY WITH SECTION 305 AND 308.



**FOUNDATION PLAN**  
SCALE 1/4" = 1'-0"

COLUMN & FOOTING SCHEDULE				
COLUMNS:	SIZE: SPF S.S.	BRACKET:	FOOTING:	QTY:
(A)	3-PLY 2x8 x 17'-2"	SW83	12" X 16" POURED CONC. GRADE BEAM W/ (2) #4 BARS	10
(B)	3-PLY 2x8 x 17'-2"	SW80	12" X 16" POURED CONC. GRADE BEAM W/ (2) #4 BARS	14
(C)	3-PLY 2x8 x 19'-10"	SW83	12" X 16" POURED CONC. GRADE BEAM W/ (2) #4 BARS	4
(D)	3-PLY 2x8 x 22'-7"	SW83	12" X 16" POURED CONC. GRADE BEAM W/ (2) #4 BARS	4
(E)	3-PLY 2x8 x 25'-4"	SW83	12" X 16" POURED CONC. GRADE BEAM W/ (2) #4 BARS	2
(F) JACK POST	3-PLY 2x8 x 3'-1/2"	N/A	N/A	5



**STOOP DETAIL**  
SCALE 1/2" = 1'-0"

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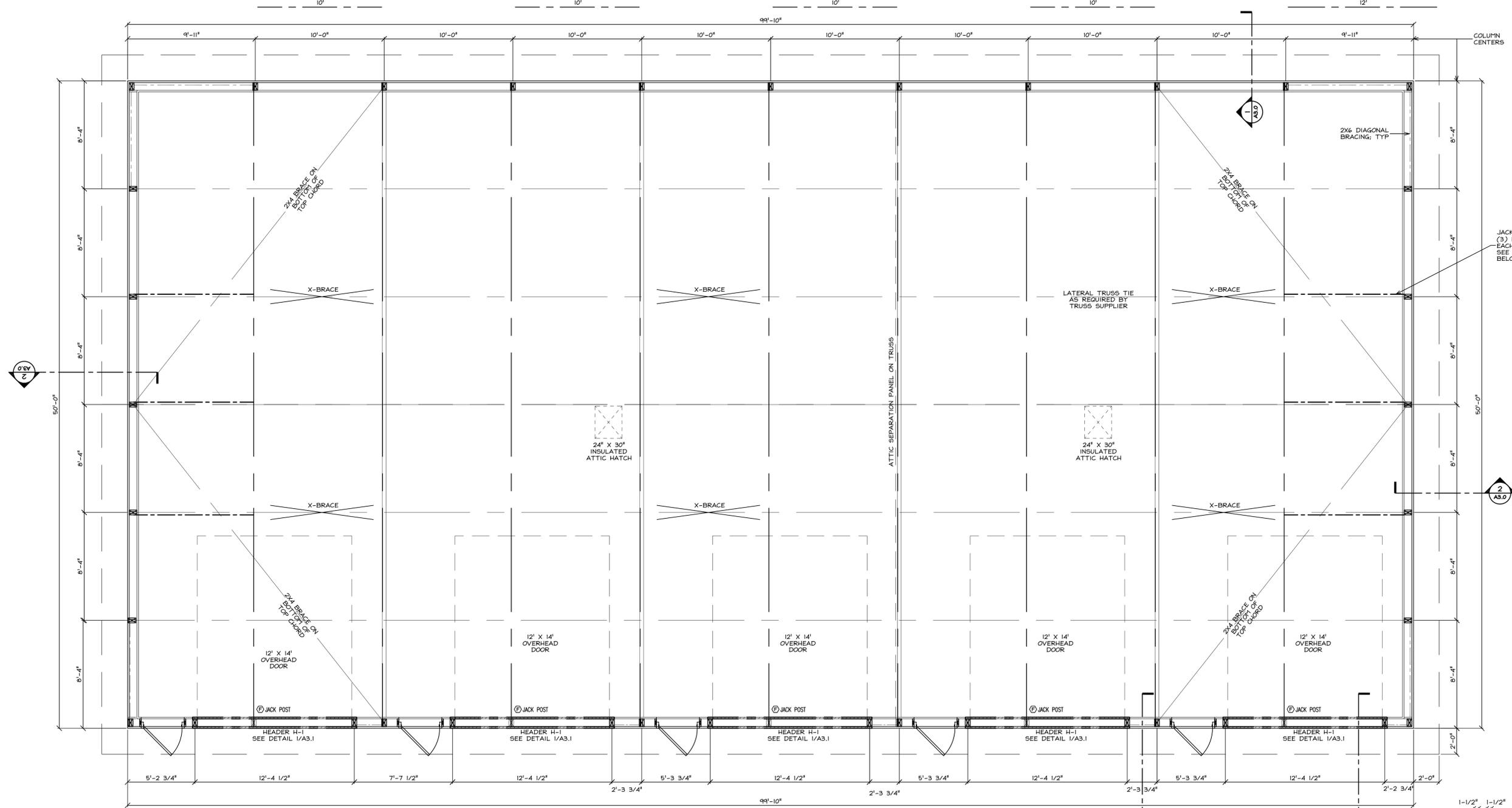
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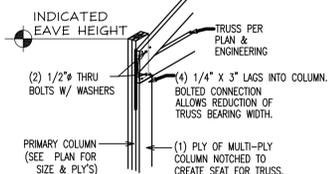
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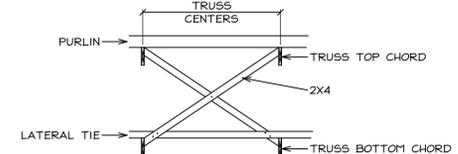
2x6 SPF S5 PURLINS @ 20' O.C. IN SADDLE HANGERS (SIMILAR TO MITEK JPF26) FOR INTERIOR BAYS



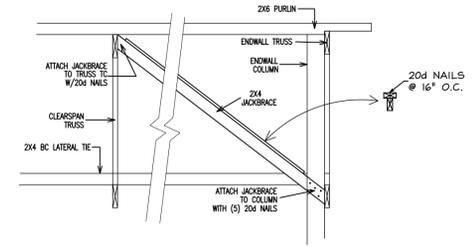
**FRAMING PLAN**  
SCALE 1/4" = 1'-0"



**TYPICAL TRUSS INSTALLATION**



**ROOF X-BRACING DETAIL**  
SEE ROOF PLAN FOR X-BRACE LOCATIONS



**JACKBRACING DETAIL**  
© ENDWALL COLUMNS

**UPLIFT RESISTANCE AT WORST CASE COLUMN**

TRIBUTARY AREA UPLIFT	260 SF @ 17.36 =	-4514#
STRUCTURE DEAD LOAD	260 X 15 PSF =	3900#
SLAB BALLAST AT COLUMN CONNECTION		7500#
NET POSITIVE HOLD-DOWN		6886#

**COLUMN & FOOTING SCHEDULE**

COLUMNS:	SIZE:	SPF S.S.	BRACKET:	FOOTING:	QTY:
Ⓐ	3-PLY 2x8 x 17'-2"	SWB3	12" X 16" POURED CONC. GRADE BEAM W/ (2) #4 BARS		10
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Ⓕ	3-PLY 2x8 x 3'-1/2"	N/A	N/A		5

**DETAIL 1/A2.0**  
NO SCALE

**NAIL-LAMINATED COLUMNS**  
NDS 2018 SECTION 15.3.3 FASTENER LAYOUT  
STAGGER LAYOUT ON OPPOSITE FACE OF COLUMN  
FASTEN EACH SIDE OF 3-PLY COLUMNS WITH 30d NAILS. REVERSE NAIL PATTERN ON OTHER SIDE TO MISS OPPOSING FASTENERS.  
FOR OVER 3-PLY'S, ASSEMBLE 3-PLY COLUMN FIRST, THEN FASTEN ADDITIONAL PLY'S TO EACH SIDE USING 30d NAILS AT SIMILAR SPACING.  
THE USE OF CONSTRUCTION ADHESIVE BETWEEN PLY'S IS ENCOURAGED.

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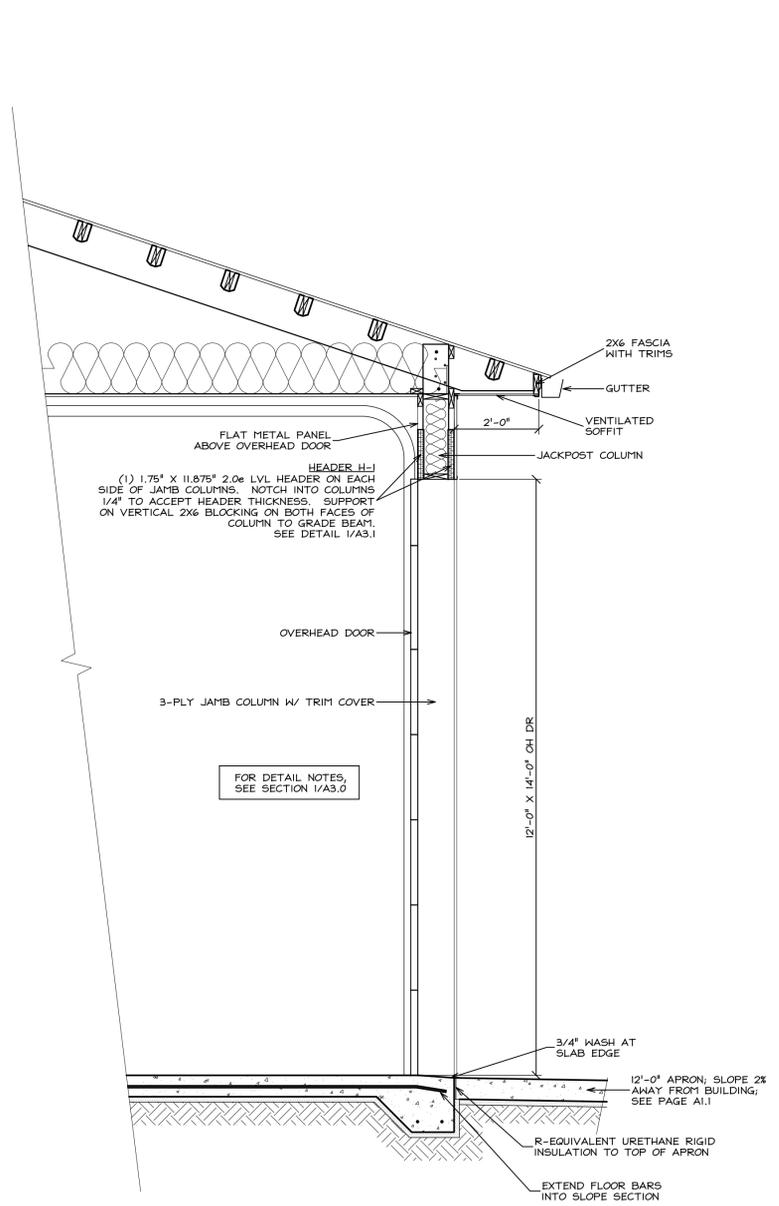
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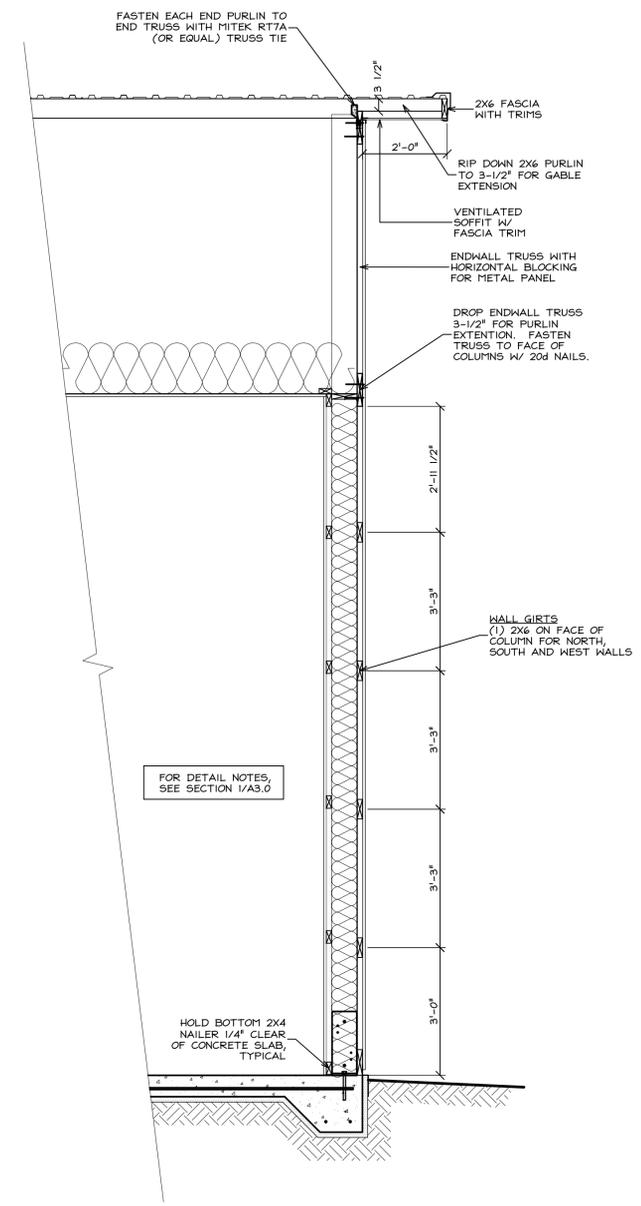
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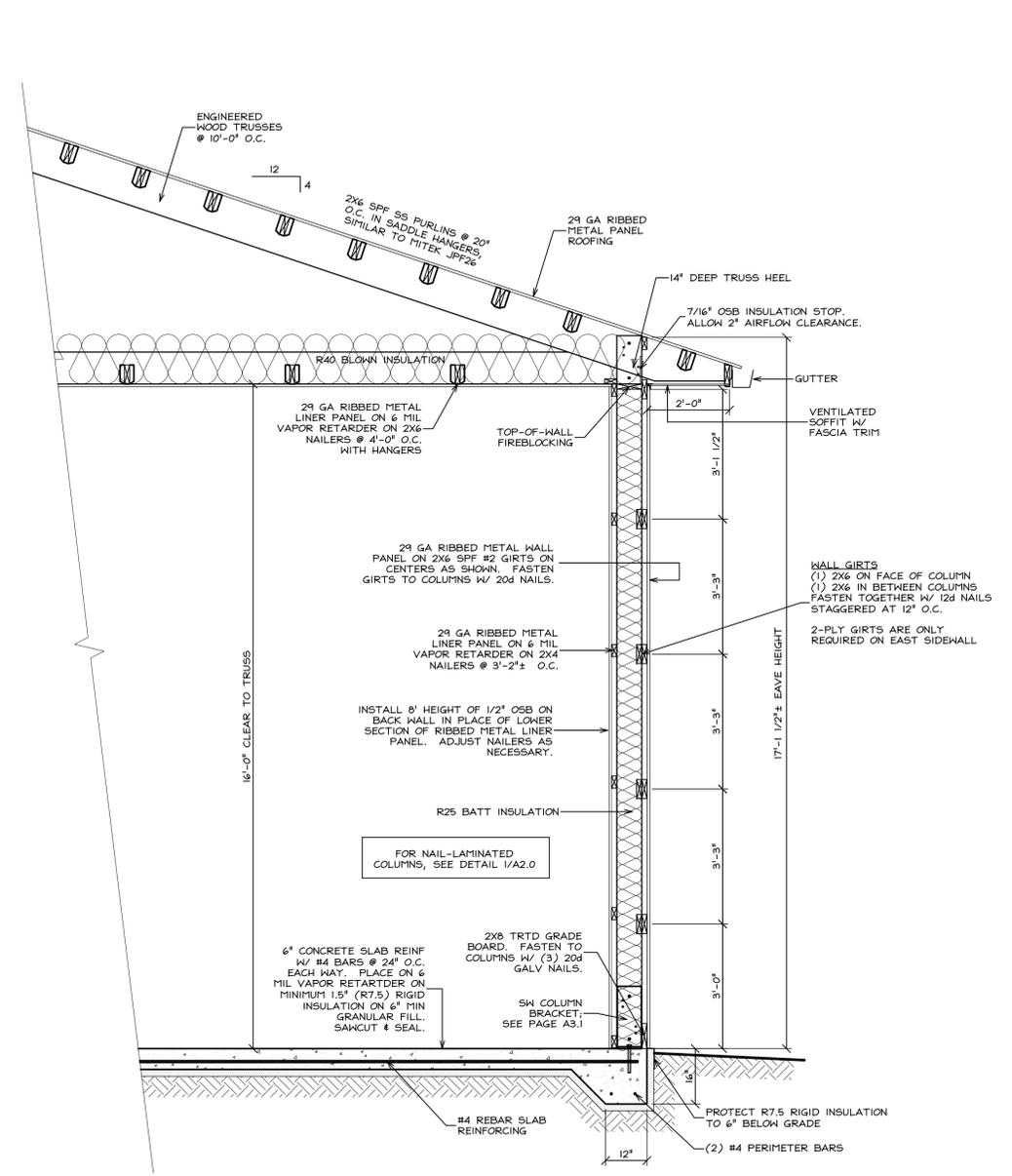
**OHD DR SECTION**  
SCALE 1/2" = 1'-0"  
SEE SECTION 1/A3.0 FOR TYPICAL NOTES

3  
A3.0



**ENDWALL SECTION**  
SCALE 1/2" = 1'-0"  
SEE SECTION 1/A3.0 FOR TYPICAL NOTES

2  
A3.0



**SIDEWALL SECTION**  
SCALE 1/2" = 1'-0"  
SEE SECTION 1/A3.0 FOR TYPICAL NOTES

1  
A3.0

IECC 303.1.1.1  
PROVIDE DEPTH MARKERS FOR ATTIC INSULATION AT EACH 300 SF OF ATTIC SPACE. MARKERS SHALL HAVE LETTERS MINIMUM 1" HIGH. AFFIX TO ATTIC FRAMING TO FACE THE ACCESS HATCHES. MARK WITH MINIMUM INSTALLED THICKNESS AND MINIMUM SETTLED THICKNESS. INSTALLED THICKNESS SHALL MEET OR EXCEED THE MINIMUM INSTALLED THICKNESS SHOWN ON THE MARKER.

IECC C303.1.1  
THE INSULATION INSTALLER SHALL PROVIDE A SIGNED AND DATED CERTIFICATION FOR THE INSULATION INSTALLED IN EACH ELEMENT OF THE BUILDING ENVELOPE, LISTING THE TYPE OF INSULATION INSTALLATIONS IN ROOF/CEILING, THE MANUFACTURER AND THE R-VALUE. FOR BLOWN-IN OR SPRAYED INSULATION, THE INSTALLER SHALL ALSO PROVIDE THE INITIAL INSTALLED THICKNESS, THE SETTLED THICKNESS, THE COVERAGE AREA, AND THE NUMBER OF BAGS INSTALLED. THE INSTALLER SHALL POST THE CERTIFICATION IN A CONSPICUOUS PLACE ON THE JOB SITE.

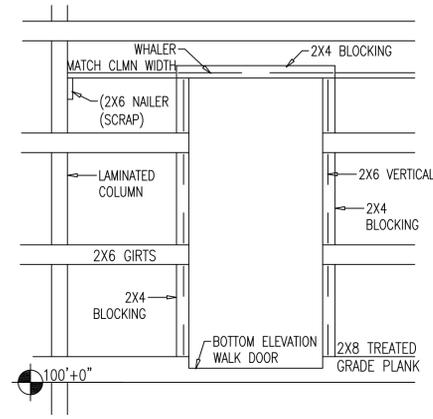
IBC 2015 SEC 718.2.2 FIRE BLOCKING, CONCEALED WALL SPACES  
INSTALL VERTICAL 2X WD BLOCKING ON BOTH FACES OF COLUMNS BETWEEN HORIZONTAL GIRTS/NAILERS AT NO MORE THAN 10'-0" O.C. FOR THE LENGTH OF THE WALLS (ESSENTIALLY ALL COLUMN FACES) TO PREVENT UNIMPEDED HORIZONTAL SMOKE/FIRE TRAVEL.

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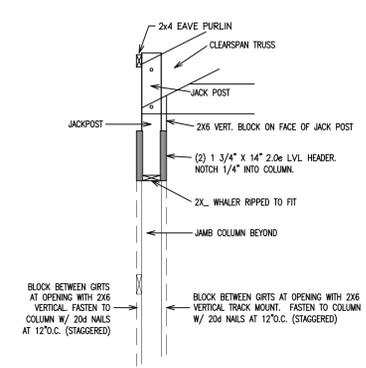
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806R ELM STREET  
WATERTOWN, WI 53098

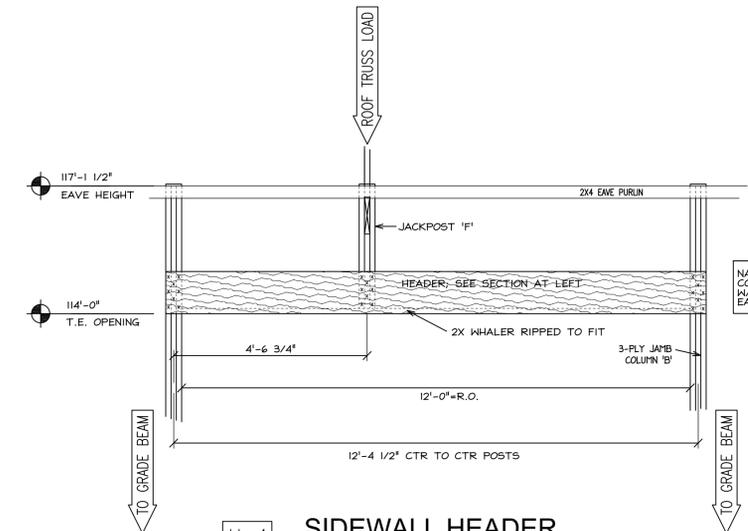
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PAGE	A3.0



**ENTRY DOOR FRAME OUT**



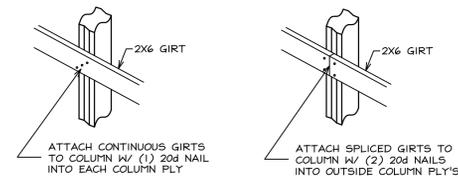
**SIDEWALL SECTION**  
2-PLY LVL HEADER



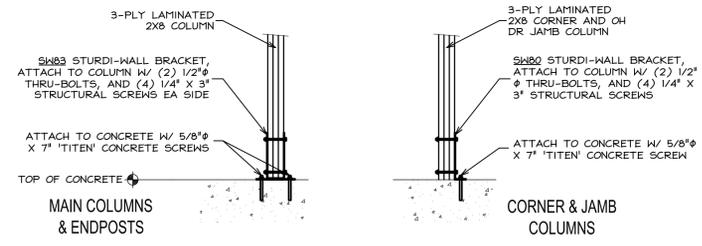
**H-1 SIDEWALL HEADER**  
12' X 14' OVERHEAD DOOR

**OH DOOR HEADER**  
SCALE 1/2" = 1'-0"

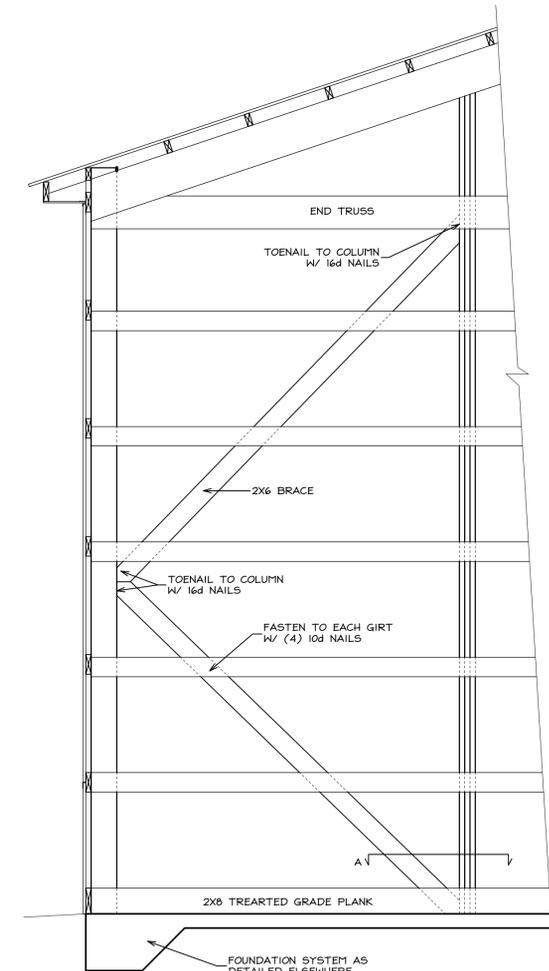
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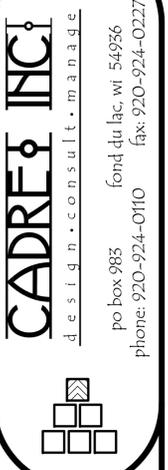
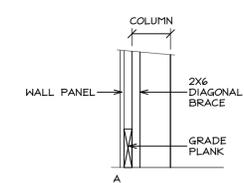
**GIRT ATTACHMENT DETAILS**



**COLUMN BRACKETS**



**K-BRACING**



**OWNER**  
SCHLIEWE RENTALS, LLC  
804 ELM STREET  
WATERTOWN, WI 53098

**PROJECT**  
HEATED STORAGE BUILDING  
806R ELM STREET  
WATERTOWN, WI 53098

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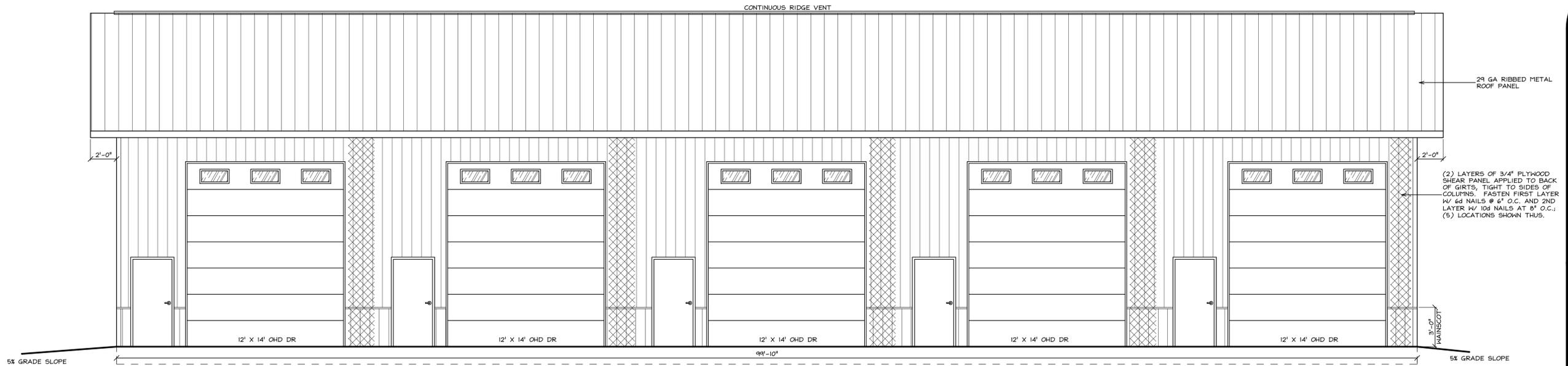
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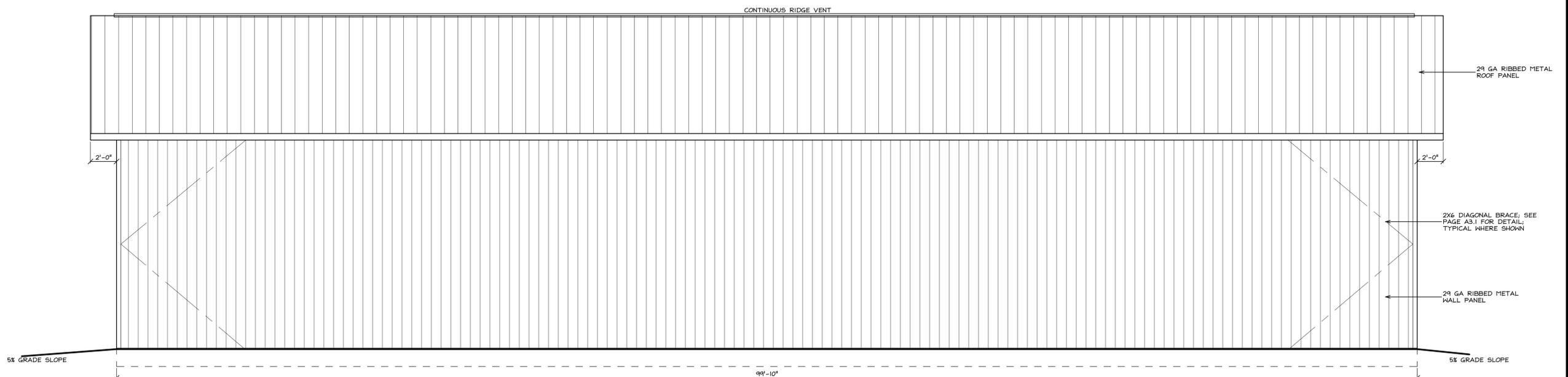
21139

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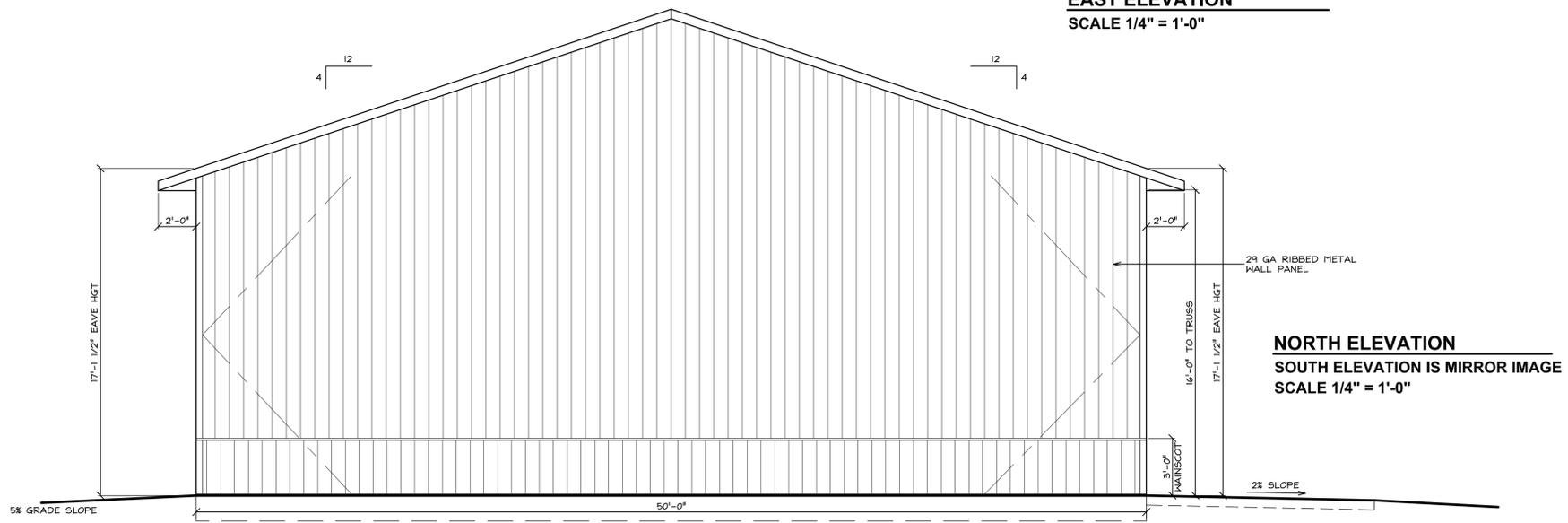
A3.1



**WEST ELEVATION**  
SCALE 1/4" = 1'-0"



**EAST ELEVATION**  
SCALE 1/4" = 1'-0"



**NORTH ELEVATION**  
SOUTH ELEVATION IS MIRROR IMAGE  
SCALE 1/4" = 1'-0"

IBC2015 1804.4  
THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN 5 PERCENT FOR A MINIMUM DISTANCE OF 10 FEET MEASURED PERPENDICULAR TO THE FACE OF WALL. IMPERVIOUS SURFACES WITHIN 10 FEET OF THE BUILDING FOUNDATION SHALL BE SLOPED A MINIMUM OF 2 PERCENT AWAY FROM THE BUILDING.

**CADREY INC.**  
design • consult • manage  
po box 985    fond du lac, wi 54936  
phone: 920-924-0110    fax: 920-924-0227

**OWNER**  
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