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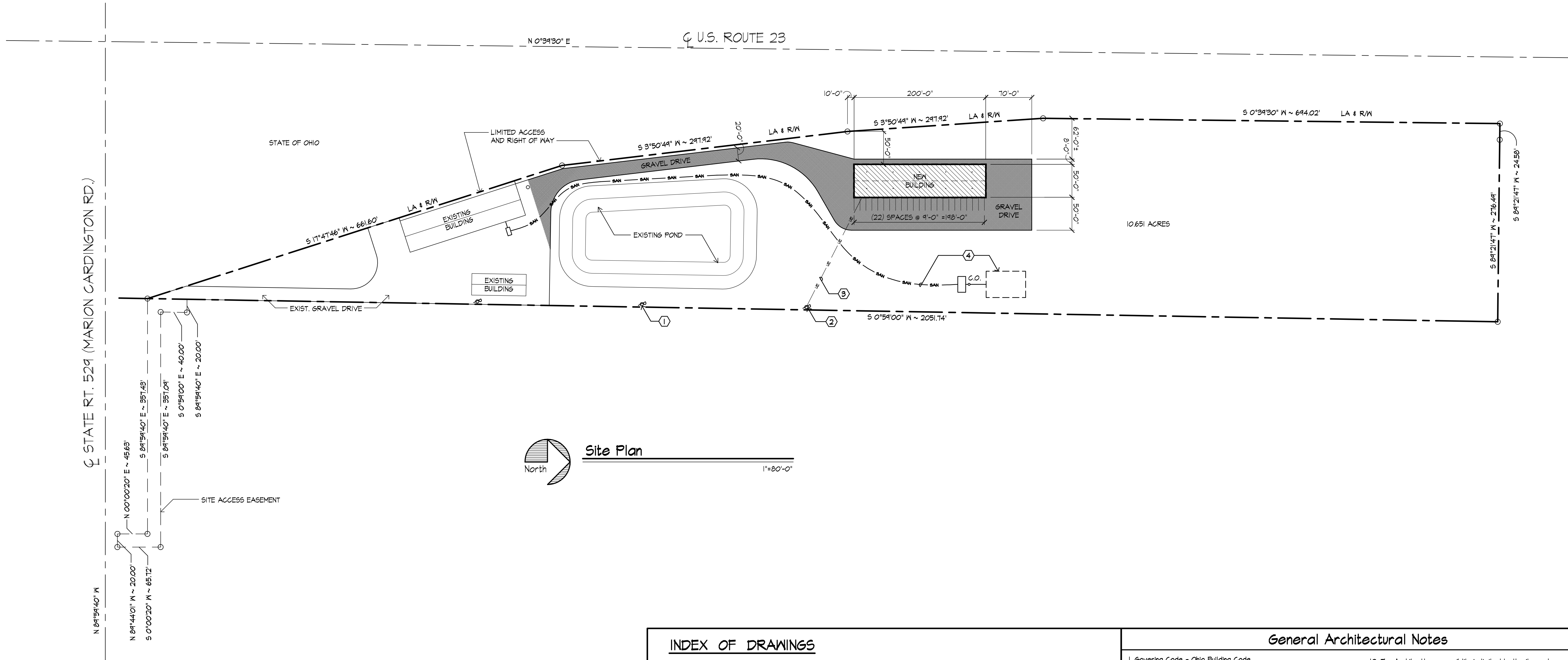
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GreenKeeper Service Building
GreenKeeper
1798 Marion Cardington Rd. East
Marion, Ohio

07528.000
August 3, 2007
DRAWN BY: ehe/jet
CHECKED BY: jts
REVISIONS
REV.: DATE:

C1.01



INDEX OF DRAWINGS

ARCHITECTURAL

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Coded Notes

1

NEW UTILITY POLE BY ELECTRICITY COMPANY.

2

NEW WEATHER PROOF 200A, 1PH SERVICE DISCONNECT MOUNTED AT POLE

3

NEW UNDERGROUND SERVICE ENTRANCE CABLE, (2) #4/0 AND (1) #10 GRND IN 2" CONDUIT.

4

EXISTING SANITARY SEPTIC SYSTEM AND LEACH FIELD TO REMAIN. PROTECT UNDERGROUND PIPING FROM DAMAGE DURING CONSTRUCTION.

Building Code Data

THIS PROJECT CONSISTS OF CONSTRUCTION OF A NEW STORAGE BUILDING FOR THE PURPOSE STORAGE OF LAWN SERVICE EQUIPMENT, I.E. FERTILIZER SPREADERS, CORE AERATION, THATCHING, AND LANDSCAPING EQUIPMENT, ETC., AND OFF SEASON EQUIPMENT FOR SNOW REMOVAL, SNOW PLOWS, AND SALT SPREADERS, ETC. NO SERVICE OR REPAIR OF MOTORIZED EQUIPMENT WILL TAKE PLACE IN THIS BUILDING. THE BUILDING IS OF WOOD FRAME, POLE TYPE CONSTRUCTION, WITH METAL SIDING AND ROOFING. THE BUILDING IS UNHEATED AND CONTAINS NO PLUMBING.

CONSTRUCTION TYPE (CHAPTER #6):

5B

USE GROUP :

S-2

STORAGE, LOW HAZARD

BUILDING DATA:

AREA

HEIGHT

10,000 sq.ft.

20'-0" ±

ALLOWABLE AREA (S03):

S-2 - 13,500 sq.ft.

(AS PER PARAGRAPH 406.1.2)

OF EXITS REQUIRED:

2 (AS PER 1014.3)

ALLOWABLE HEIGHT (S03):

2 STORY(S)

ADJUSTED ALLOWABLE AREA:

FIRE RESISTANCE DATA:

FROM TABLE S03:

13,500 sq.ft.

EXTERIOR WALLS:

0 HOUR (AS PER TABLE #601, #602)

FRONTAGE INCREASE#:

N/A

INTERIOR BEARING WALLS:

N/A

TOTAL ALLOWABLE AREA:

13,750 sq.ft.

ROOF CONSTRUCTION:

0 HOUR (AS PER TABLE #601)

FIRE SUPPRESSION SYSTEM :

N/A

FIRE ALARM AND FIRE/SMOKE DETECTION SYSTEM:

NO

General Architectural Notes

1. Governing Code - Ohio Building Code.

2. All dimensions shall be verified at the job by the General Contractor and each Subcontractor. The Architect must be notified of any discrepancies before proceeding with the work.

3. Dimensions are witnessed to face of masonry or to face of stud, unless otherwise noted.

4. Cutting into new work of other trades or into the new structure shall be done by the trade requiring the cutting. All cutting shall be done in a neat manner using saws where possible. Any damage to the work of the other trades or the structure is excess of the cutting required, which is due to negligence, shall be repaired at the expense of the trade who did the cutting. All patching and painting as a result of cutting and did not negligent action shall be done by the Contractor at his expense.

5. Do not cut or patch any work that will impair the structural load carrying capacity or reduce the load/deflection ratio.

6. Provide adequate temporary support for work being cut and patched to prevent failure. Do not endanger other work. Provide adequate protection of other work during cutting and patching to prevent damage. Cut work by method least likely to damage work to be retained and adjoining work.

7. All connections are to develop the full strength of the framing members, unless otherwise approved.

8. Bolting of wood to structural members or masonry shall be in general with a minimum of 1/2" bolts at 4'-0" o.c. except where shown otherwise. Situations requiring special bolting shall be with the size and spacing of bolts to suit the conditions. Anchoring of wood to structural members, or concrete shall be, in general, with strap anchors fixed in place with expansion anchors or power driven anchors.

9. The structure is designed to be self-supporting and stable after the building is fully completed. It is solely the Contractor's responsibility to determine erection procedure and sequence and to insure the safety of the building and its component parts during erection. This includes the addition of whatever shoring, sheeting, temporary bracing, guys or tie downs which might be necessary. Such material shall remain the Contractor's property after the completion of the project.

10. Bench mark: New finish floor elevation 100' to be established at approximately 1'-0" above existing natural grade at the location of the new structure.

11. Soil Bearing pressure is assumed to be minium 2,000 PSF. Verify soil bearing pressure and subsoil conditions. Notify Architect immediately if conditions less then stated are encountered.

12. The Architect's responsibility is limited to the items shown on the Architectural drawings. Obtain Architect's specific approval prior to deviating from the drawings. Follow the best trade and engineering practices for the items not specifically detailed and indicated.

13. It is solely the Contractor's responsibility to follow the applicable safety codes and regulations during all phases of construction.

14. The General Contractor shall comply with all Building Code requirements of the local governing authority, and shall obtain and pay for all required permits, fees, and inspections, with the exception of local fees required for the Electrical portions of the work, which are the responsibility of the respective Subcontractor(s).

15. This is a "Builders Set" of drawings. The Architect's responsibility is limited to the items shown on the Architectural Drawings. Obtain Architect's specific approval prior to deviating from the drawings. It shall be the Contractor's sole responsibility to comply with standard building and construction practices and Manufacturer's recommendations for all the items not specifically indicated and detailed on the drawings. Follow the best trade practices and engineering for the items not specifically indicated and detailed on the drawings.

16. Should any of the detailed instructions shown on the drawings conflict with these notes, structural notes, structural notes, the specifications, or with each other, the strictest provision shall govern.

17. All equipment furnished and work performed under the Contract Documents shall be guaranteed against defects in materials and workmanship for a period of one (1) year from the date of final acceptance. Any failure of equipment or work due to defects in material or workmanship shall be corrected by the Contractor at no cost to the Owner.

18. In general, new materials and materials for repair conditions shall match similar items in quality, detail, profile, and finish as those already built into the work.

19. Construction joints permitted only where shown or as approved by the Architect.

20. The General Contractor shall be responsible for extending down spout leaders 5'-0" minimum beyond face of building. The Site Contractor shall make final connections to storm water drainage systems as required.



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Marion, Ohio

GreenKeeper Service Building

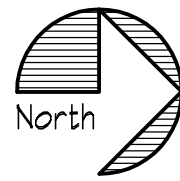
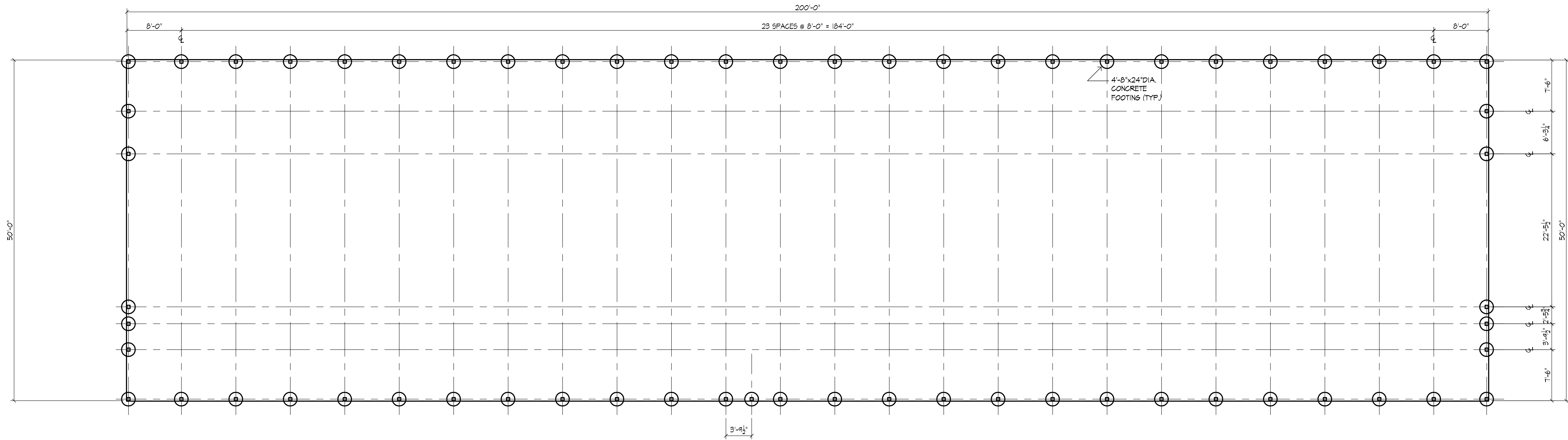
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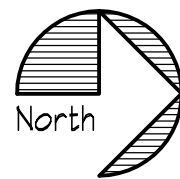
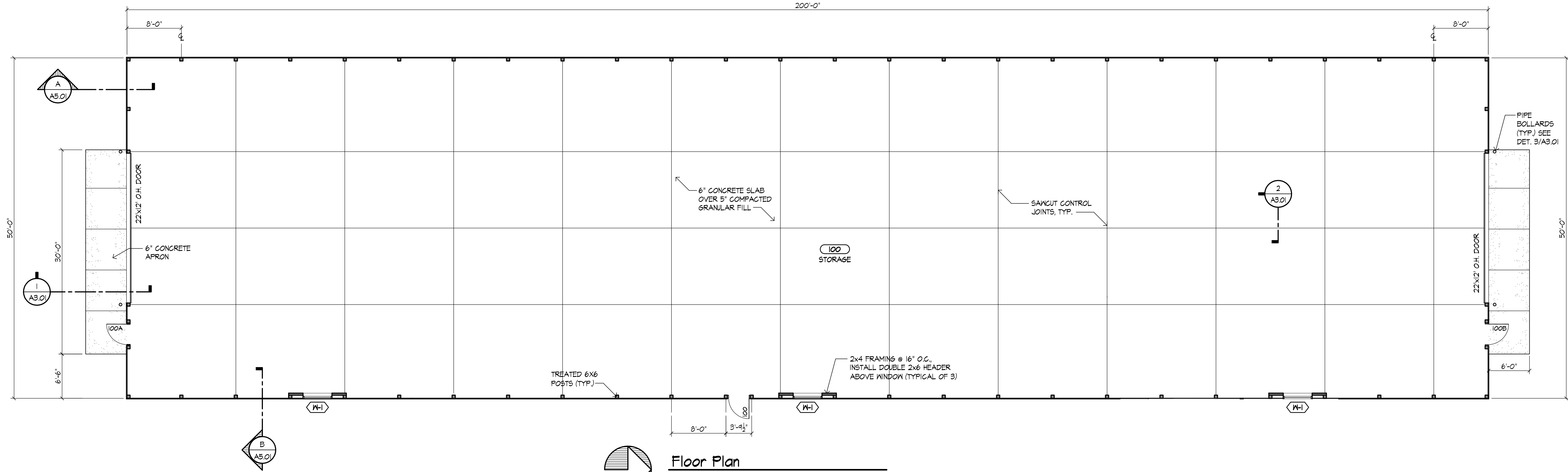
Door Hardware Schedule		
DOOR NO.	SIZE / TYPE	REMARKS
100	FLUSH 3'x6' INSUL. H.M.	ENTRANCE LOCKSET
100A	FLUSH 3'x6' INSUL. H.M.	ENTRANCE LOCKSET
100B	FLUSH 3'x6' INSUL. H.M.	ENTRANCE LOCKSET

Room Finish Notes	
ROOM NO.	
100	6" CONCRETE SLAB - SEALED; NO BASE. EXPOSED STRUCTURE FOR WALLS AND CEILING.

A1.01



Foundation Plan

$$1/\delta^* = 1' - 0'$$


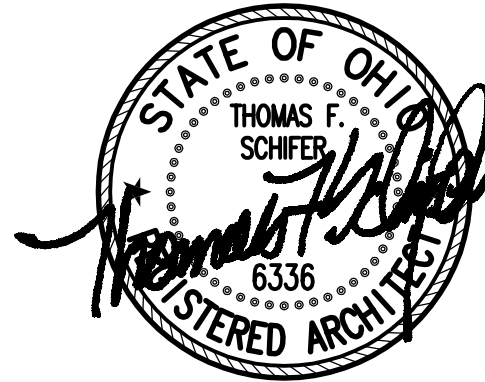
Floor Plan

$$1/8'' = 1'' - 0''$$

Legend:

W-1 INDICATES PELLA IMPERVIA #3640 SINGLE HUNG FIBERGLASS WINDOW OR APPROVED EQUAL

Door Hardware Schedule		
DOOR NO.	SIZE / TYPE	REMARKS
100	FLUSH 30"x60" INSUL. H.M.	ENTRANCE LOCKSET
100A	FLUSH 30"x60" INSUL. H.M.	ENTRANCE LOCKSET
100B	FLUSH 30"x60" INSUL. H.M.	ENTRANCE LOCKSET



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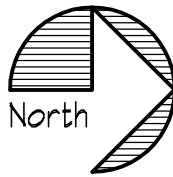
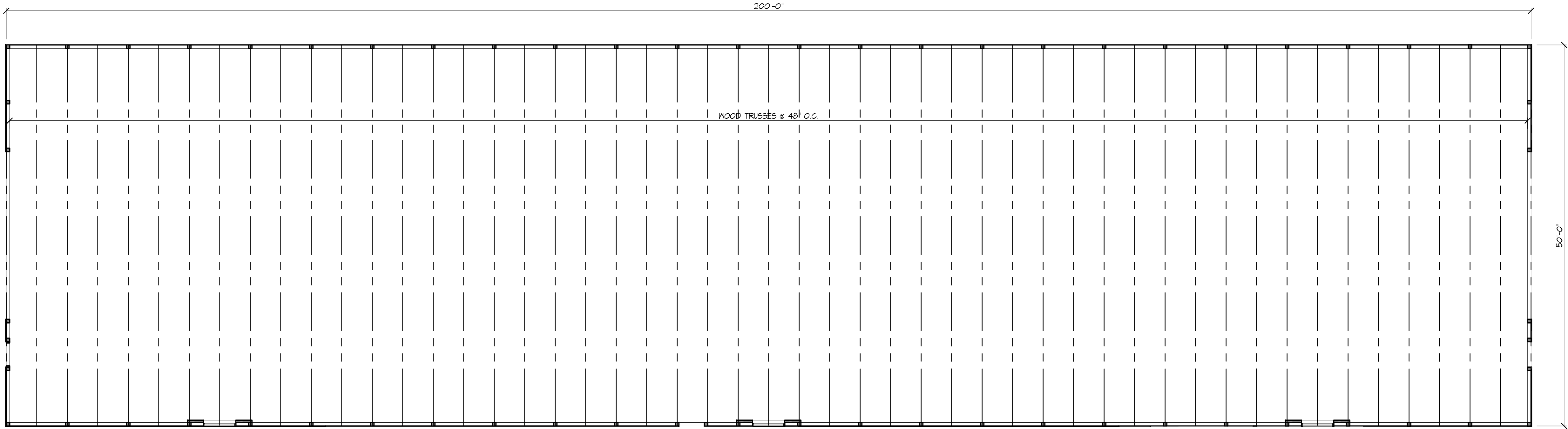
GreenKeeper Service Building

GreenKeeper
1798 Marion Cuttington Rd. East

07528.000
August 3, 2007
DRAWN BY: ehe/fet
CHECKED BY: tjs

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REV.: DATE:

A1.02



Roof Framing Plan

1/8"=1'-0"

GOVERNING CODE: INTERNATIONAL BUILDING CODE, PLUS ALL CURRENT
REVISIONS AND ALL APPLICABLE LOCAL CODES

DESIGN CRITERIA:

a. FLOOR LIVE LOADS:
1. RESTAURANT 100 PSF

b. ROOF LOADING:

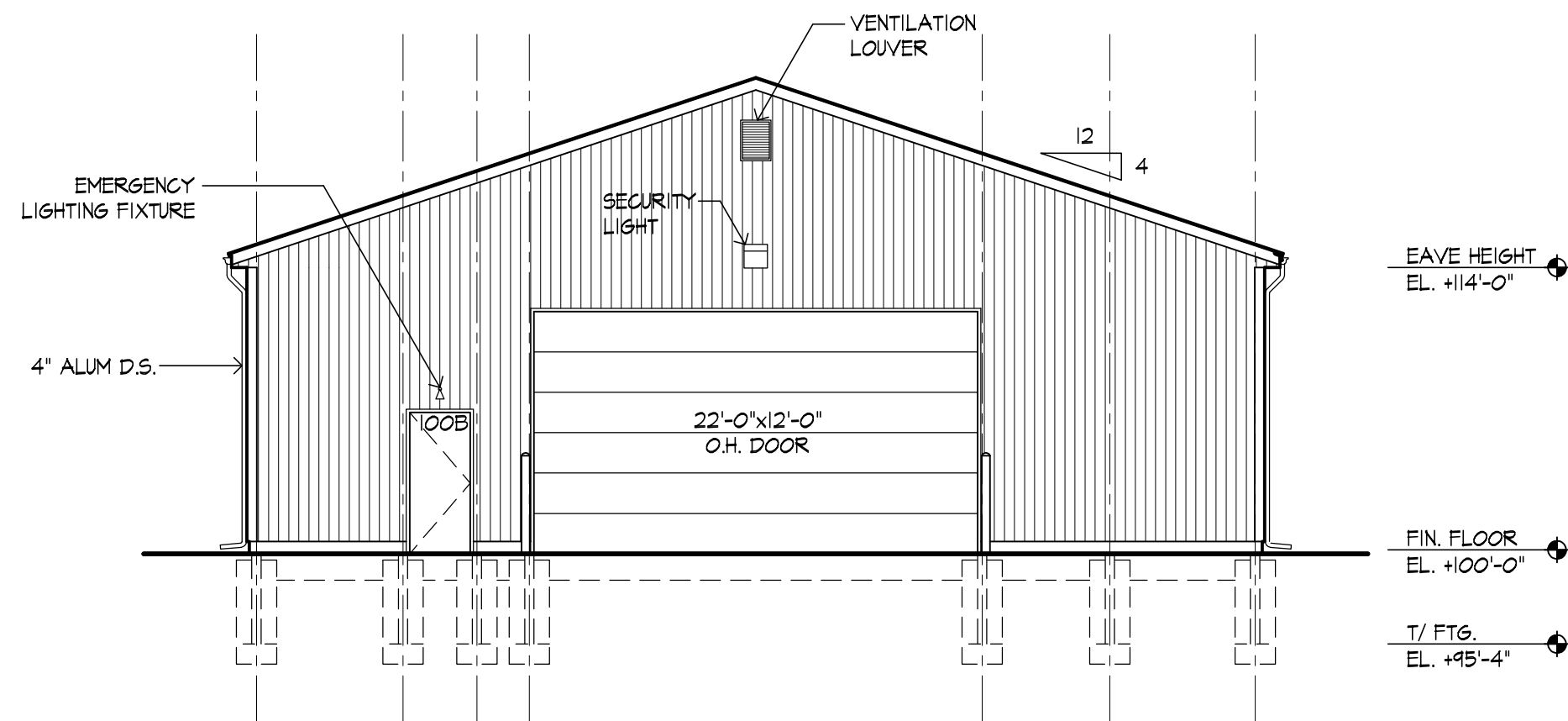
1. DESIGN ROOF LIVE LOAD 25 PSF MINIMUM, PLUS THE
EFFECTS OF SNOW DRIFTING
2. ROOF SNOW LOADS:
a. GROUND SNOW LOAD 25 PSF
b. FLAT ROOF SNOW LOAD 21 PSF
c. SNOW EXPOSURE FACTOR 1.0
d. SNOW IMPORTANCE FACTOR 1.0
e. THERMAL FACTOR 1.0

c. WIND LOADING:

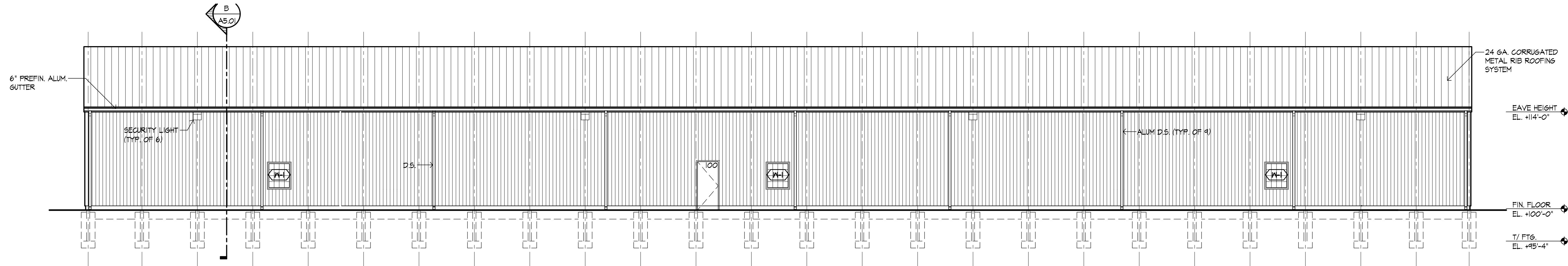
1. BASIC WIND LOADING 90 MPH
2. WIND IMPORTANCE FACTOR 1.0
3. BUILDING CATEGORY: II
4. WIND EXPOSURE CATEGORY: B
5. INTERNAL PRESSURE COEFFICIENT: +0.18, -0.18
6. COMPONENTS AND CLADDING:
a. ROOF: +10 PSF, -19 PSF
b. WALLS: +15 PSF, -20 PSF

d. SEISMIC DESIGN CRITERIA:

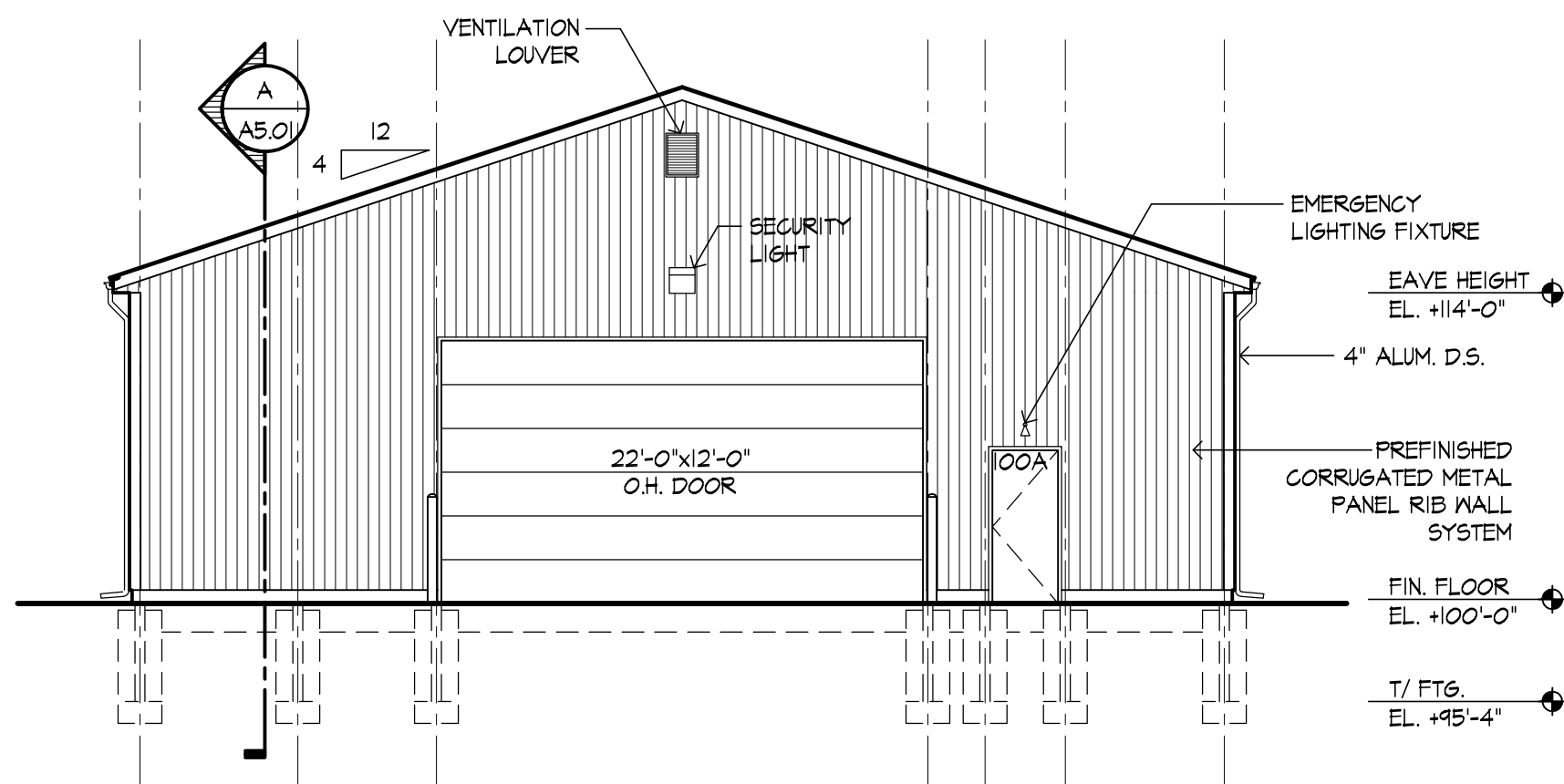
1. SEISMIC IMPORTANCE FACTOR 1.0
2. SEISMIC USE GROUP: I
3. MAPPED SPECTRAL RESPONSE ACCELERATIONS:
a. SHORT PERIODS 0.197
b. 1 SECOND PERIOD 0.069
4. SITE CLASS: D
5. SPECTRAL RESPONSE COEFFICIENTS:
a. DESIGN SPECTRAL RESPONSE
ACCELERATION AT SHORT PERIODS: 0.210
b. DESIGN SPECTRAL RESPONSE
ACCELERATION AT 1 SECOND PERIOD: 0.110
6. SEISMIC DESIGN CATEGORY: B
7. BASIC SEISMIC FORCE RESISTING SYSTEM:
LIGHT FRAME WALLS WITH SHEAR PANELS - WOOD STRUCTURAL PANELS
8. DESIGN BASE SHEAR: 4,000 POUNDS
9. SEISMIC RESPONSE COEFFICIENT, C_s: 0.032
10. RESPONSE MODIFICATION FACTOR, R: 6-1/2
11. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE



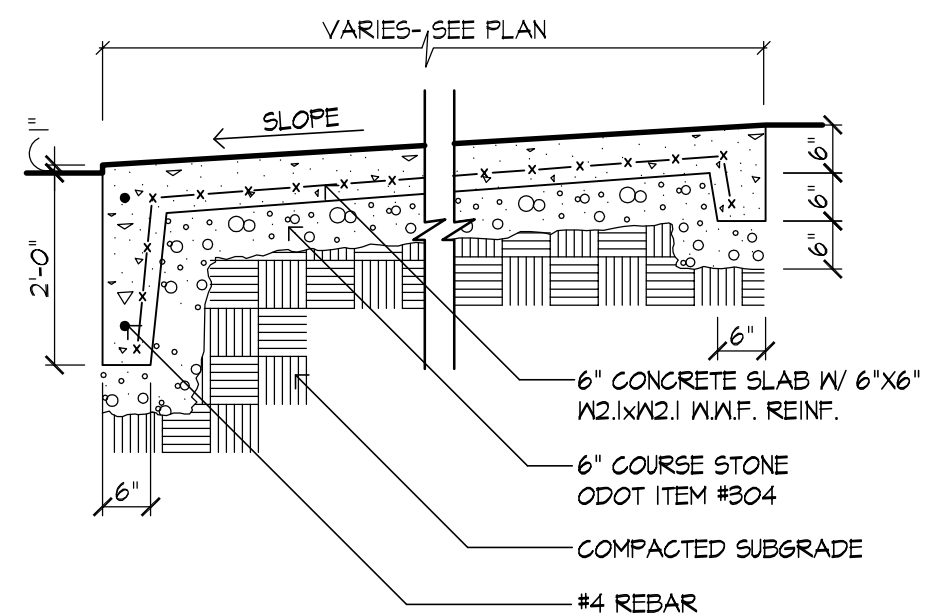
North Elevation



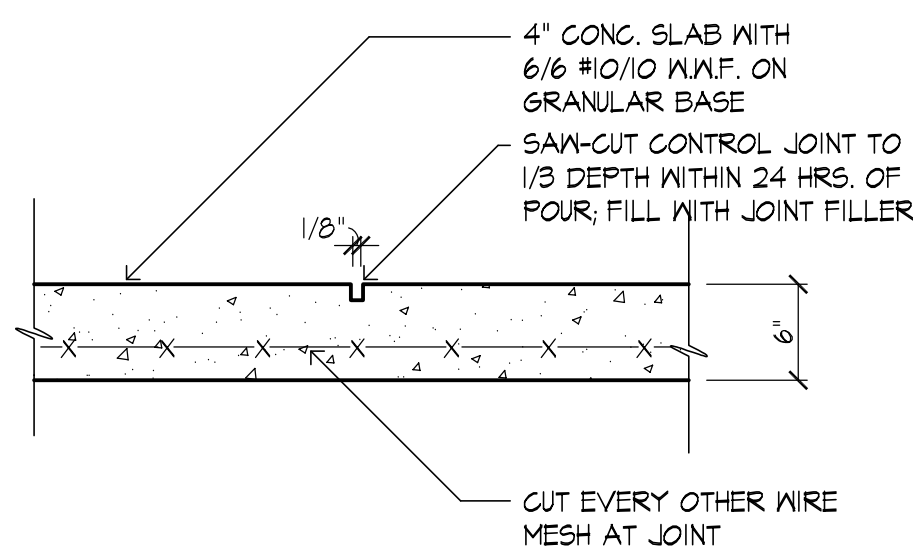
East Elevation



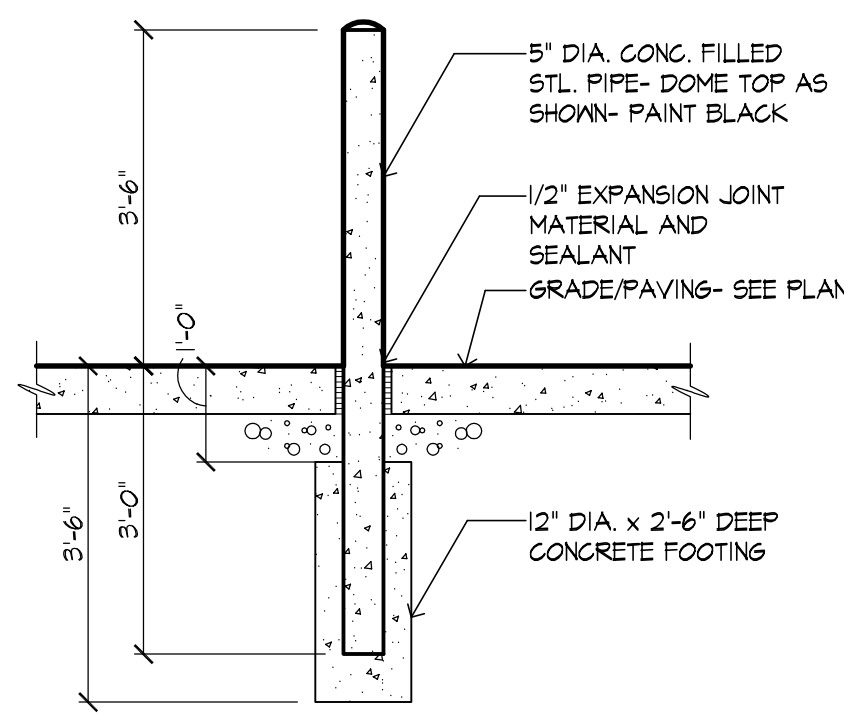
South Elevation



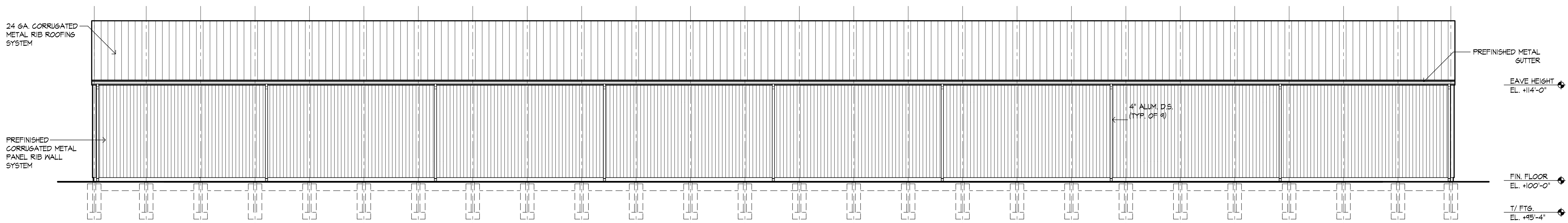
Concrete Apron



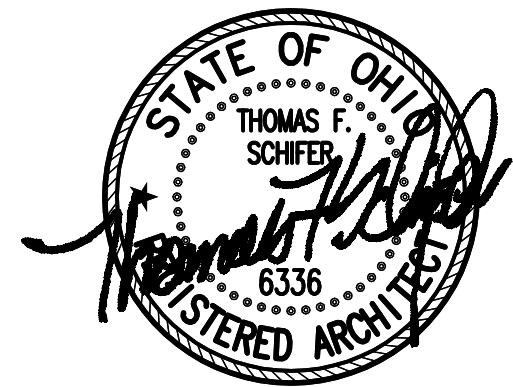
Typical Control Joint



Pipe Bollard Detail



West Elevation



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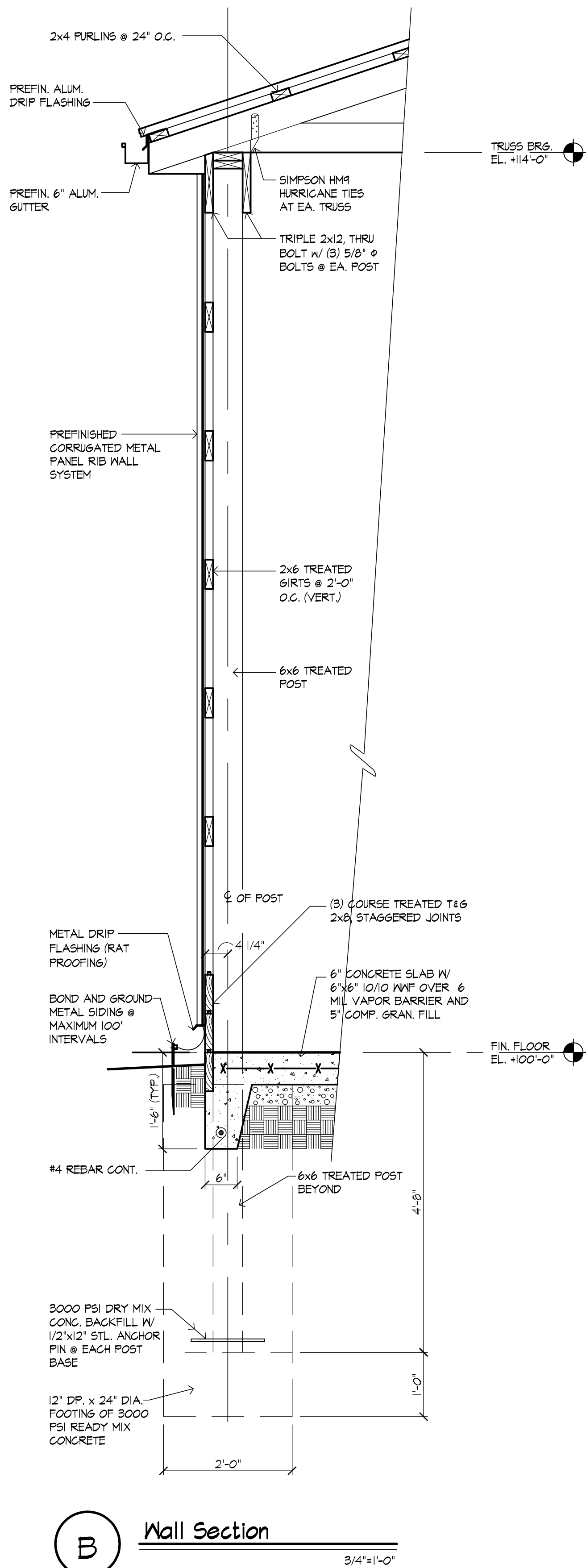
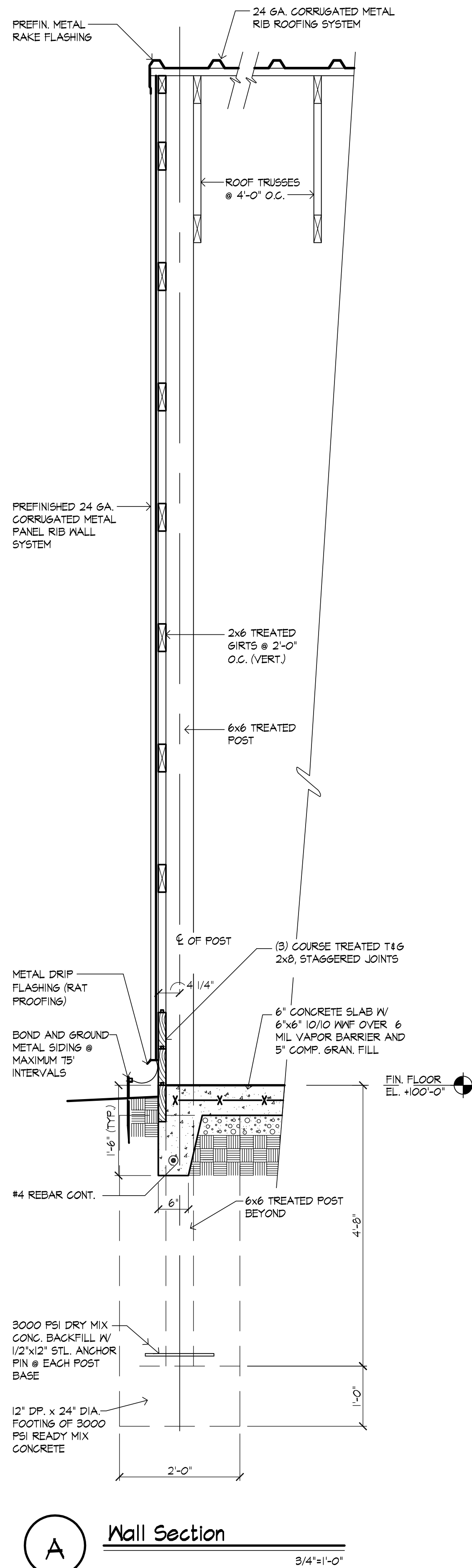
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STRUCTURAL NOTES

A. GENERAL

1. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF ANY SHORING, SHEETING, TEMPORARY BRACINGS, GUYS OR TIEDOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THE COMPLETION OF THE PROJECT.

2. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.

3. EQUIPMENT FRAMING, LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMBING, OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN APPROVAL OF THE INVOLVED TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN THESE REQUIREMENTS TO BE BORNE BY THE APPROPRIATE CONTRACTOR.

4. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.

B. FOUNDATIONS

- NOTIFY THE ARCHITECT AS SOON AS POSSIBLE OF ANY UNUSUAL SOIL CONDITIONS, SUCH AS UNEXPECTED SPRING OR SEEPAGE WATER, OR SOIL OF QUESTIONABLE BEARING CAPACITY.
- ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED SOIL OR ENGINEERED FILL WITH AN ALLOWABLE BEARING CAPACITY OF 2,000 POUNDS PER SQUARE FOOT.
- BEAR PERIMETER FOOTINGS A MINIMUM OF 5'-6" BELOW FINISH FLOOR ELEVATION. DO NOT PASS UTILITIES THROUGH OR UNDER POST FOOTINGS UNDER ANY CIRCUMSTANCES.
- RETAIN THE SERVICES OF A SOILS ENGINEER TO INSPECT AND APPROVE FOUNDATION EXCAVATIONS FOR THE BEARING CAPACITY INDICATED ABOVE. COORDINATE THE SCHEDULING OF THE SOILS ENGINEER'S SERVICES WITH THE ANTICIPATED DATE OF CONCRETE PLACEMENT.
- KEEP FOUNDATION EXCAVATIONS FREE OF WATER AT ALL TIMES. REPLACE SOFT OR WEAKENED SOIL WITH LEAN CONCRETE (CLASS IV) OR ENGINEERED FILL.
- THE EXISTENCE OF UNDERGROUND STRUCTURES AND/OR UTILITIES IS NOT KNOWN. USE EXTREME CARE WHEN EXCAVATING SO AS NOT TO DISTURB ANY EXISTING UNDERGROUND STRUCTURES AND/OR UTILITIES. COORDINATE WITH THE SURVEY AND WITH THE OWNER TO OBTAIN ANY INFORMATION AVAILABLE REGARDING EXISTING UTILITIES.
- BACKFILL AND FILL SHALL BE PLACED IN LIFTS OF 8" MAXIMUM LOOSE DEPTH. EACH LIFT SHALL BE COMPACTED WITH A POWER VIBRATING COMPACTOR OR SIMILAR EQUIPMENT TO ENSURE MAXIMUM COMPACTION OF THE MATERIAL.
- COMPACTION SHALL BE NOT LESS THAN 100% OF MAXIMUM DENSITY FOR COHESIVE OR COHESIONLESS MATERIAL, ACCORDING TO ASTM D698. DRAINAGE FILL AGAINST WALLS SHALL BE COMPACTED TO 96% OF MAXIMUM DENSITY.
- WHERE LOOSE FILL MATERIALS ARE ENCOUNTERED, THE LOOSE MATERIALS SHALL BE OVER-EXCAVATED DOWN TO SUITABLE SOILS. THE OVER-EXCAVATED AREA SHALL THEN BE PROOF ROLLED AND FILLED WITH SATISFACTORY SOIL MATERIALS WHICH WILL PRODUCE THE RESULTS OF COMPACTION AND LOAD CARRYING CAPACITY REQUIRED. THE FILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE ABOVE PARAGRAPHS.

C. REINFORCED CONCRETE

- PERFORM ALL CONCRETE WORK IN ACCORDANCE WITH ACI 318-02, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE." EXCEPT AS SPECIFICALLY MODIFIED IN THE SPECIFICATIONS AND/OR HEREIN.
- SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI 301-91, "SPECIFICATIONS FOR STRUCTURAL CONCRETE."
 - PERFORM PLACEMENT AND CURING OF CONCRETE IN ACCORDANCE WITH ACI 305 "HOT WEATHER CONCRETING" AND ACI 306 "COLD WEATHER CONCRETING."
- CONFORM ALL REINFORCING DETAILS TO ACI 318-92, "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
- MATERIALS:
 - STRUCTURAL CONCRETE:

CLASS	LOCATION	f'c (psi)
I	FOOTINGS AND PIERS	3500
II	INTERIOR SLABS ON GRADE, WALLS AND ALL INTERIOR CONCRETE NOT OTHERWISE IDENTIFIED	3500
III	EXTERIOR SLABS ON GRADE, RETAINING WALLS, BASEMENT WALLS, AND ALL EXTERIOR CONCRETE NOT OTHERWISE IDENTIFIED	4,000 (with air)
IV	BACKFILL BELOW FOOTINGS	1500
 - ALL DEFORMED REINFORCING BARS: ASTM A615, GRADE 60.
 - ALL WELDED WIRE FABRIC: ASTM A185, DELIVERED IN FLAT SHEETS.
- FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, SP-15, IN THE FIELD OFFICE AT ALL TIMES.

- FOOTINGS AND PIERS
 - MATCH DOWELS IN FOOTINGS WITH VERTICAL PIER REINFORCING. EMBED DOWELS 8 INCHES INTO FOOTING, UNLESS NOTED OTHERWISE.
 - INSTALL CORNER BARS AT FOOTING CORNERS TO MATCH HORIZONTAL REINFORCING. PROVIDE A MINIMUM LENGTH OF 45 BAR DIAMETERS FOR EACH LEG.
 - INSTALL LEAN CONCRETE (CLASS IV) UNDER FOUNDATIONS FOR ACCIDENTAL OVER-EXCAVATION SOFT SPOTS AND TRENCHES.
- CONCRETE COVER: UNLESS NOTED OTHERWISE, DETAIL REINFORCING TO PROVIDE MINIMUM CONCRETE COVER AS FOLLOWS:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 INCHES
 - CONCRETE EXPOSED TO EARTH OR WEATHER:

#5 BARS AND SMALLER	1-1/2 INCHES
OTHERS	2 INCHES
- CONSTRUCTION JOINTS:
 - CONSTRUCTION JOINTS PERMITTED ONLY WHERE SHOWN OR AS APPROVED BY THE STRUCTURAL ENGINEER. ALL CONSTRUCTION JOINTS ARE TO BE KEYS.

D. STRUCTURAL LUMBER

- DESIGN OF ALL WOOD STRUCTURAL MEMBERS CONFORMS WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
- MATERIALS: FURNISH LUMBER WITH EACH PIECE FACTORY-MARKED WITH GRADE STAMP OF INSPECTION AGENCY VERIFYING COMPLIANCE WITH GRADING RULE REQUIREMENTS AND IDENTIFYING GRADE, SPECIES, MOISTURE CONTENT AND MILL. ALL WOOD STRUCTURAL PANELS SHALL COMPLY WITH THE REQUIREMENTS OF DOC P51, DOC P52, HPVA HPI AND HPVA HP-56. FACTORY-MARK ALL WOOD STRUCTURAL PANELS WITH A GRADING STAMP OF THE INSPECTION AGENCY.
 - STUDS: SPRUCE-PINE-FIR, STUD GRADE OR BETTER, ACCORDING TO THE NATIONAL LUMBER GRADES AUTHORITY (NLGA), SEASONED AT 19% M.C.

- STRUCTURAL LUMBER: SPRUCE-PINE-FIR NO. 2 OR BETTER, ACCORDING TO THE NATIONAL LUMBER GRADES ASSOCIATION (NLGA), SEASONED AT 19% M.C.
- WOOD STRUCTURAL PANELS (PLYWOOD OR ORIENTED STRAND BOARD).
- WOOD-PRESERVATIVE TREATMENT: COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANFA C2 (LUMBER) AND ANFA C9 (WOOD STRUCTURAL PANELS). MARK EACH TREATED ITEM WITH THE APPROPRIATE QUALITY MARK.

3. CONNECTIONS: AS A MINIMUM, CONFORM CONNECTIONS FOR STRUCTURAL MEMBERS TO THE FASTENING SCHEDULE LISTED IN TABLE 2304.9.1 OF THE OHIO BUILDING CODE.

- JOISTS, ROOF TRUSSES, AND RAFTERS TO BEAMS: 16 GA. GALVANIZED STD. JOIST HANGERS BY THE SIMPSON STRONG-TIE CO. (INSTALL SLOPED AND/OR SKEWED HANGERS WHERE REQUIRED).
- WOOD FURLINS TO WOOD ROOF RAFTERS AND TRUSSES: NAILED, USE 16d RING SHANK NAILS SPACED AT 2' O.C. AT TRUSS TOP CHORDS.
- WOOD FURLINS TO WOOD POSTS: USE 16d RING SHANK NAILS SPACED AT 2 INCHES O.C. AT POST LOCATIONS.
- AT POST AND JAMBS OF OPENINGS, NAIL MULTIPLE STUDS TOGETHER WITH 8d NAILS AT 8" O.C., FULL LENGTH.

4. MISCELLANEOUS:

- AT DOOR AND WINDOW OPENINGS IN EXTERIOR WALLS, INSTALL A MINIMUM OF TWO JACK BEARING STUDS AND TWO FULL-HEIGHT KING STUDS AT EACH END OF HEADERS, UNLESS NOTED OR SCHEDULED OTHERWISE.
- INSTALL A SINGLE SILL/SOLE PLATE AT THE BOTTOM AND A DOUBLE PLATE AT THE TOP OF ALL STUD WALLS. UNLESS NOTED OR SHOWN OTHERWISE, BOLT SILL/SOLE PLATES TO FOUNDATION WALLS WITH 1/2" DIA. ANCHOR RODS SPACED AT A MAXIMUM OF 4'-0" O.C. AND LOCATED 6" FROM ENDS, CORNERS, AND SPLICES. EMBED RODS A MINIMUM OF 8" BELOW THE TOP OF THE CONCRETE.
- UNLESS NOTED OTHERWISE, AT EXTERIOR BEARING WALLS, INSTALL DOUBLE 2x6 HEADERS OVER OPENINGS IN 2x4 STUD WALLS.
- TREAT ALL EXTERIOR LUMBER OR LUMBER IN CONTACT WITH CONCRETE OR MASONRY WITH PRESERVATIVE IN ACCORDANCE WITH ANFA C2 (LUMBER) OR ANFA C9 (PLYWOOD).
- PROVIDE AND INSTALL BRACINGS FOR PRE-ENGINEERED, PRE-FABRICATED WOOD TRUSSES AS INDICATED ON THE TRUSS MANUFACTURER'S APPROVED SHOP DRAWINGS.

5. CONNECT MULTIPLE MEMBERS TOGETHER AS FOLLOWS:

- DOUBLE MEMBERS: NAILED, USING (2) 16d NAILS SPACED AT 12" O.C., LOCATED 2" FROM TOP AND BOTTOM OF BEAM.
- TRIPLE MEMBERS: BOLTED, USING 1/2" DIA. BOLTS SPACED 24" O.C., LOCATED 2" FROM TOP AND BOTTOM OF BEAM.

6. PSL INDICATES PARALLEL STRAND LUMBER (PARALLAM BY THE TRUS-JOIST CORP. OR EQUAL).

E. PRE-ENGINEERED, PRE-FABRICATED WOOD TRUSSES

1. MATERIALS:

- THE TERM "TRUSS" USED IN THIS SECTION APPLIES TO TRUSSES THAT ARE DESIGNED AND FABRICATED AS SEPARATE ENGINEERED PRODUCTS, AND DELIVERED TO THE PROJECT SITE FOR INSTALLATION.
- LUMBER: SPECIES PER DESIGN BY TRUSS MANUFACTURER, NO. 2 GRADE OR BETTER, 15% MAXIMUM M.C., EXCEPT THE TRUSS MANUFACTURER MAY USE STUD-GRADE FOR WEB MEMBERS.
- CONNECTIONS: THE TRUSS MANUFACTURER IS TO DESIGN, SIZE, PROVIDE AND INSTALL ALL INTERNAL TRUSS COMPONENT CONNECTIONS. USE GALVANIZED SHEET STEEL CONFORMING WITH ASTM A653, COATING CLASS 660, FOR METAL CONNECTOR PLATES. MANUFACTURE WITH HOLES, PLUGS, TEETH, OR PRONGS UNIFORMLY SPACED AND FORMED.
- HANGERS: THE TRUSS MANUFACTURER IS TO DESIGN, SIZE, PROVIDE AND INSTALL ALL TRUSS-TO-TRUSS HANGERS.

2. DESIGN: DESIGN AND FABRICATE ALL TRUSSES IN ACCORDANCE WITH TPI 1, "NATIONAL DESIGN STANDARD FOR METAL-PLATE-CONNECTED WOOD TRUSS CONSTRUCTION" BY THE TRUSS PLATE INSTITUTE, AND AF&PA NDS, "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION".

a. ROOF LOADS:

- TOP CHORD LIVE LOAD: 25 PSF
- TOP CHORD DEAD LOAD: 10 PSF
- BOTTOM CHORD LIVE LOAD: 20 PSF WHERE REQ'D. BY OBBG BASED ON WEB CONFIG.
- BOTTOM CHORD DEAD LOAD: 5 PSF
- NET WIND UPLIFT: 8 PSF

b. DEFLECTIONS:

- ROOF
 - MAXIMUM LIVE LOAD DEFLECTION: L/360, OR 1.25" MAXIMUM
 - MAXIMUM TOTAL LOAD DEFLECTION: L/240, OR 1.75" MAXIMUM

c. IN ADDITION TO THE UNIFORM LOADS INDICATED ABOVE, DESIGN TRUSSES FOR ALL SUPERIMPOSED DEAD LOADS, INCLUDING, BUT NOT LIMITED TO, OVERLAY FRAMING, CHIMNEYS, MECHANICAL EQUIPMENT, ETC. DESIGN TRUSSES FOR THE EFFECTS OF DRIFTING SNOW WHERE APPLICABLE.

d. DESIGN OF MEMBERS AND CONNECTIONS IS TO BE BY A PROFESSIONAL ENGINEER, REGISTERED IN OHIO, EXPERIENCED IN SIMILAR DESIGN, RETAINED BY THE MANUFACTURER.

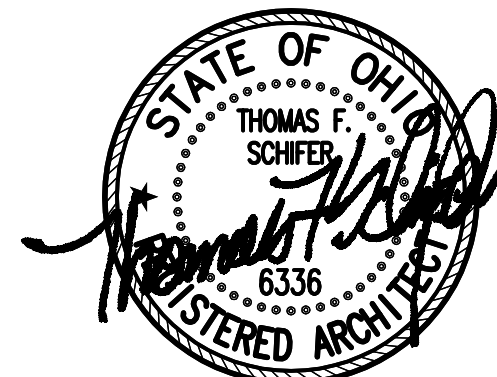
e. DESIGN BOTTOM CHORD OF GIRDER TRUSSES FOR THE END REACTION OF SUPPORTED TRUSSES. THE TRUSS MANUFACTURER IS RESPONSIBLE FOR THE DESIGN OF ALL HANGER CONNECTIONS.

f. DESIGN ALL TRUSSES FOR ADDITIONAL LOADS INDICATED ON PLAN.

g. DESIGN ALL BRACINGS AND BRACING CONNECTIONS FOR ALL TRUSS TOP CHORDS, BOTTOM CHORDS AND WEB MEMBERS.

3. SUBMITTALS

- SUBMIT TRUSS SHOP DRAWINGS WHICH EXHIBIT THE SEAL OF THE ENGINEER RESPONSIBLE FOR THE TRUSS DESIGN.
- SUBMIT LAYOUT DRAWING WHICH INDICATES THE LOCATION OF EACH TRUSS.
- SUBMIT HANGER CONNECTOR TYPES AND LOCATIONS.
- SHOP DRAWINGS SHALL INDICATE ALL BRACING REQUIREMENTS OF TRUSS MEMBERS. IN AREAS WHERE TRUSS TOP CHORDS AND/OR BOTTOM CHORDS DO NOT RECEIVE SHEATHING, INDICATE THE REQUIRED CHORD BRACING AND BRACE SPACINGS FOR ALL APPLICABLE LOAD CASES.



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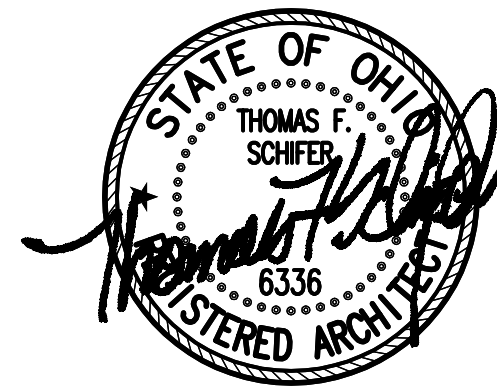
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Marion, Ohio

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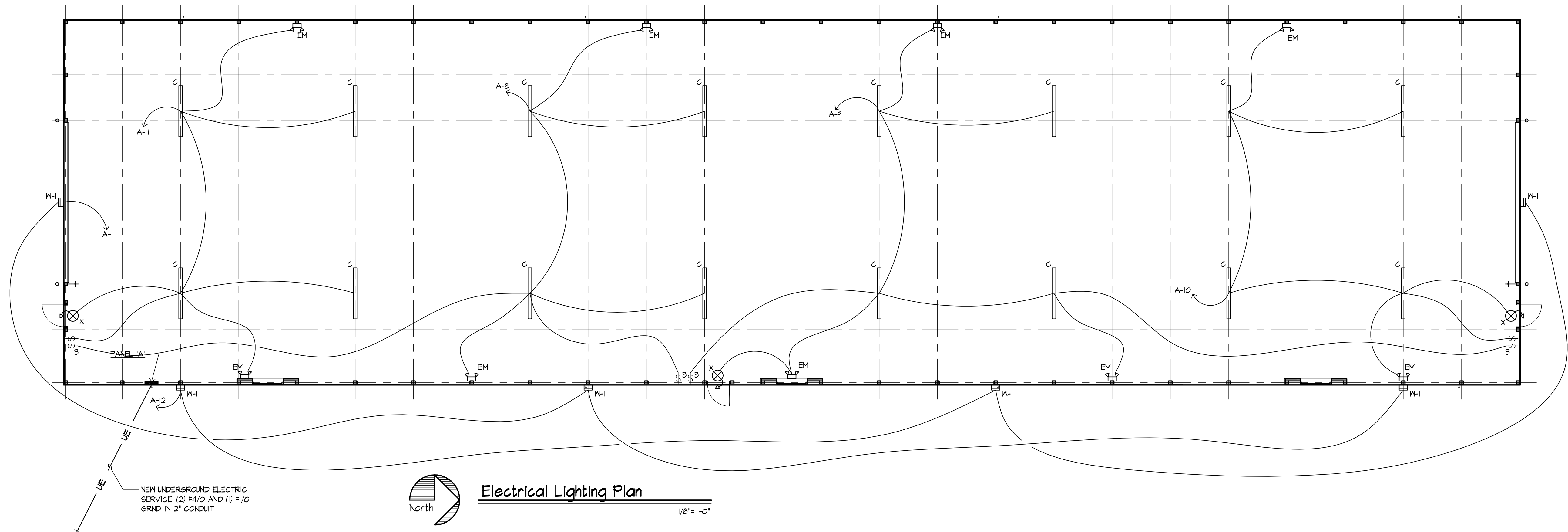
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1798 Marion Cardington Rd. East

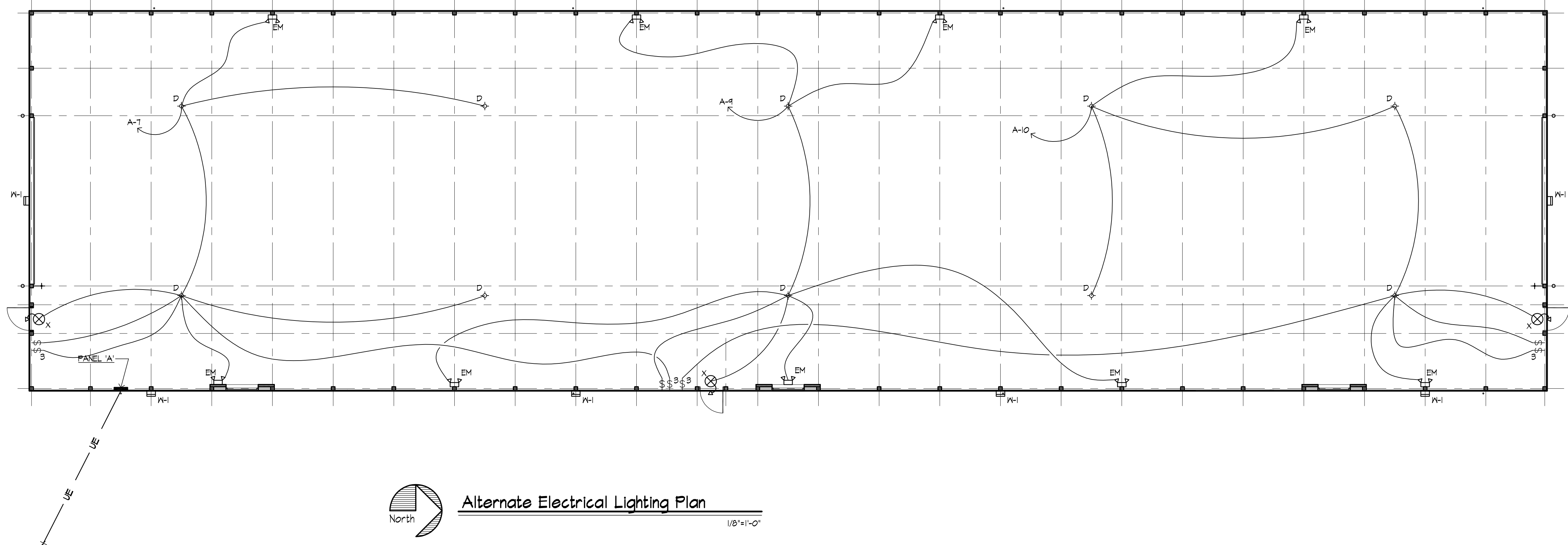
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Electrical Lighting Plan

1/8"=1'-0"



Alternate Electrical Lighting Plan

1/8"=1'-0"

General Electrical Notes

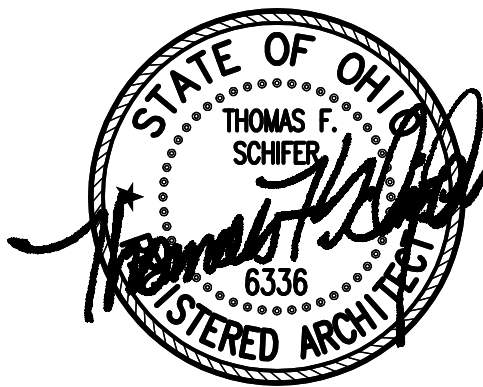
1. ALL ELECTRICAL WORK SHALL CONFORM TO THE NATIONAL ELECTRIC CODE, CURRENT EDITION, AND THE OHIO BUILDING CODE (OBC), CURRENT EDITION.
2. ELECTRICAL CONTRACTOR SHALL TABULATE LOADS FROM ALL NEW WORK AND VERIFY THAT ELECTRIC SERVICE, PANELS, BREAKERS, AND WIRE ARE PROPERLY SIZED TO HANDLE LOADS. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL FIXTURES, JUNCTION BOXES, OUTLETS, SWITCHES AND WIRING SHOWN ON THE DRAWINGS AND AS NEEDED FOR A COMPLETE JOB.
3. ELECTRICAL CONTRACTOR SHALL INSTALL SERVICE TO NEW EQUIPMENT ONLY FROM APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT, WHICH SHOWS AND DIMENSIONS ALL CONNECTION POINTS. SUBMIT SHOP DRAWINGS SHOWING ALL NEW PANELS, CIRCUITING, BREAKERS, ETC. TO ARCHITECT FOR APPROVAL.
4. DIRECT BURIAL PVC CONDUIT MAY BE SUBSTITUTED FOR UNDER SLAB WORK IF INSTALLED ACCORDING TO N.E.C. AND APPROVED BY LOCAL AUTHORITIES HAVING JURISDICTION. SNEEP ELBOWS PENETRATING THE CONCRETE SLAB SHALL BE STEEL. NO PVC CONDUIT OF ANY TYPE SHALL BE INSTALLED PENETRATING THE SLAB OR ABOVE SLAB.
5. SERVICE ENTRANCE CABLE SIZES ARE BASED ON ALUMINUM. ALL OTHER WIRE SIZES ARE BASED ON COPPER. ALUMINUM WIRE MAY BE SUBSTITUTED FOR COPPER FROM TRANSFORMER TO MAIN SWITCH GEAR (WHERE OCCURS) IF APPROVED BY LOCAL POWER COMPANY. FEEDER WIRE AND CONDUIT FROM SWITCH GEAR TO PANELS MAY BE CHANGED TO ALUMINUM IF RESIZED IN ACCORDANCE WITH N.E.C.

6. ALL EXIT AND EMERGENCY EGRESS LIGHTS SHALL BE BATTERY-PAK TYPE, AND SHALL BE WIRED INTO THE NEAREST POWER CIRCUIT AHEAD OF ANY SWITCHING.
7. WIRING RUN THRU MASONRY SHALL BE IN CONDUIT. INSTALLED AS THE MASONRY IS LAID UP. WIRING MAY BE RUN IN THE WALL INSULATION SPACE AND MAY BE ROMEX TYPE IF APPROVED BY CODE.
8. ALL LIGHT FIXTURES SHALL BE NOTED ON THE FIXTURE SCHEDULE AND CUT SHEETS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO ORDERING ANY FIXTURES.
9. ELECTRICAL CONTRACTOR SHALL TEST ALL WIRING FOR CONTINUITY AND GROUNDS BEFORE FIXTURE INSTALLATION, AND SHALL THEN TEST THE ENTIRE SYSTEM IN THE PRESENCE OF THE ARCHITECT UPON COMPLETION TO ENSURE THE ABSENCE OF SHORT CIRCUITS AND GROUNDS.
10. ALL ELECTRICAL PANELS EXPOSED TO VIEW SHALL HAVE THE COVERS AND DOORS PAINTED WITH SEMI-GLOSS PAINT TO MATCH ADJACENT WALLS, AS SPECIFIED UNDER THE PAINTING SPECIFICATIONS.
11. ALL DUPLEX OUTLETS AND COMMUNICATION JUNCTION BOXES SHALL BE AT 48" ABOVE FINISH FLOOR, UNLESS NOTED OTHERWISE. SWITCH BOXES SHALL BE INSTALLED AT 48" ABOVE FINISH FLOOR TO THE TOP, UNLESS NOTED OTHERWISE. OUTLETS SHALL NOT BE LOCATED IN THE SAME STUD SPACE ON OPPOSITE SIDES OF A COMMON WALL.

Electrical Legend

	SECURITY WALL-PACK FIXTURE, LITHONIA TWP-100M-120-PE-LPI-DMB, MOUNT AT 11'-0" A.F.F. AT SIDE WALLS AND AT 19'-0" A.F.F. AT END WALLS ABOVE OVERHEAD DOORS.		JUNCTION BOX
	DUPLEX RECEPTACLE, MOUNT @ 48" A.F.F., UNLESS NOTED OTHERWISE		DUPLEX RECEPTACLE, MOUNT @ 48" A.F.F., UNLESS NOTED OTHERWISE
	TOGGLE SWITCH - SINGLE POLE, MOUNT AT 48" A.F.F.		TOGGLE SWITCH - SINGLE POLE, MOUNT AT 48" A.F.F.
	TOGGLE SWITCH - 3-WAY, MOUNT AT 48" A.F.F.		TOGGLE SWITCH - 3-WAY, MOUNT AT 48" A.F.F.
	SAFETY SWITCH / DISCONNECT		SAFETY SWITCH / DISCONNECT
	SPECIAL VOLTAGE, MOUNT AT 38" A.F.F.		SPECIAL VOLTAGE, MOUNT AT 38" A.F.F.
	MOTOR		MOTOR
	ELECTRICAL PANEL		ELECTRICAL PANEL
	CONTROL SWITCH FOR OVERHEAD DOORS		

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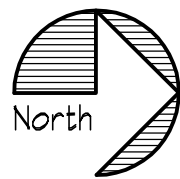
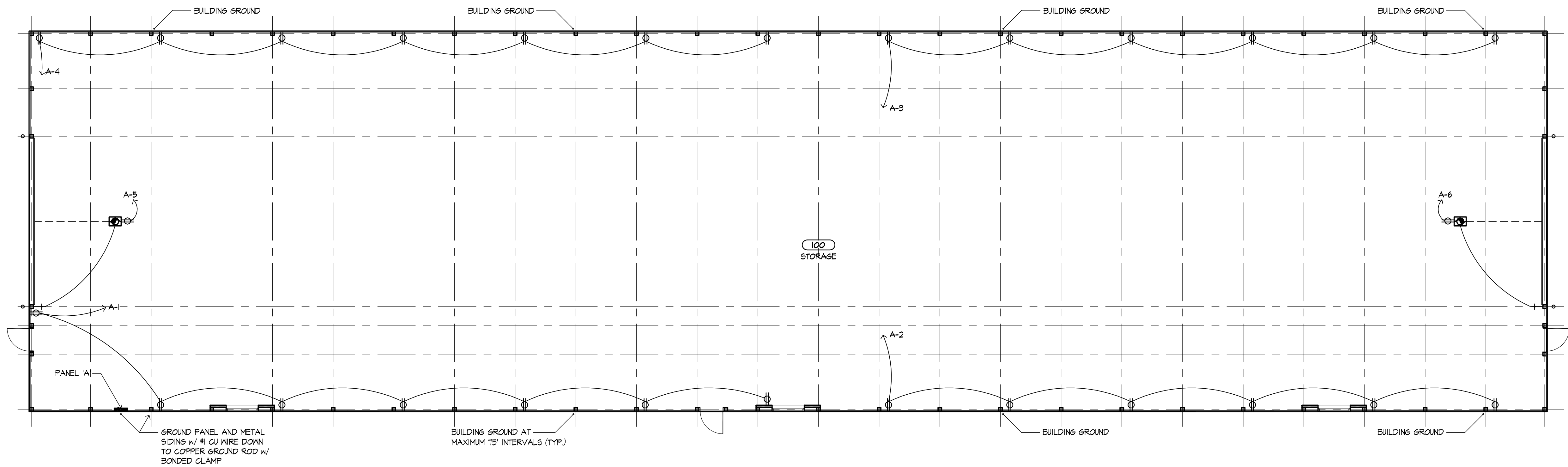
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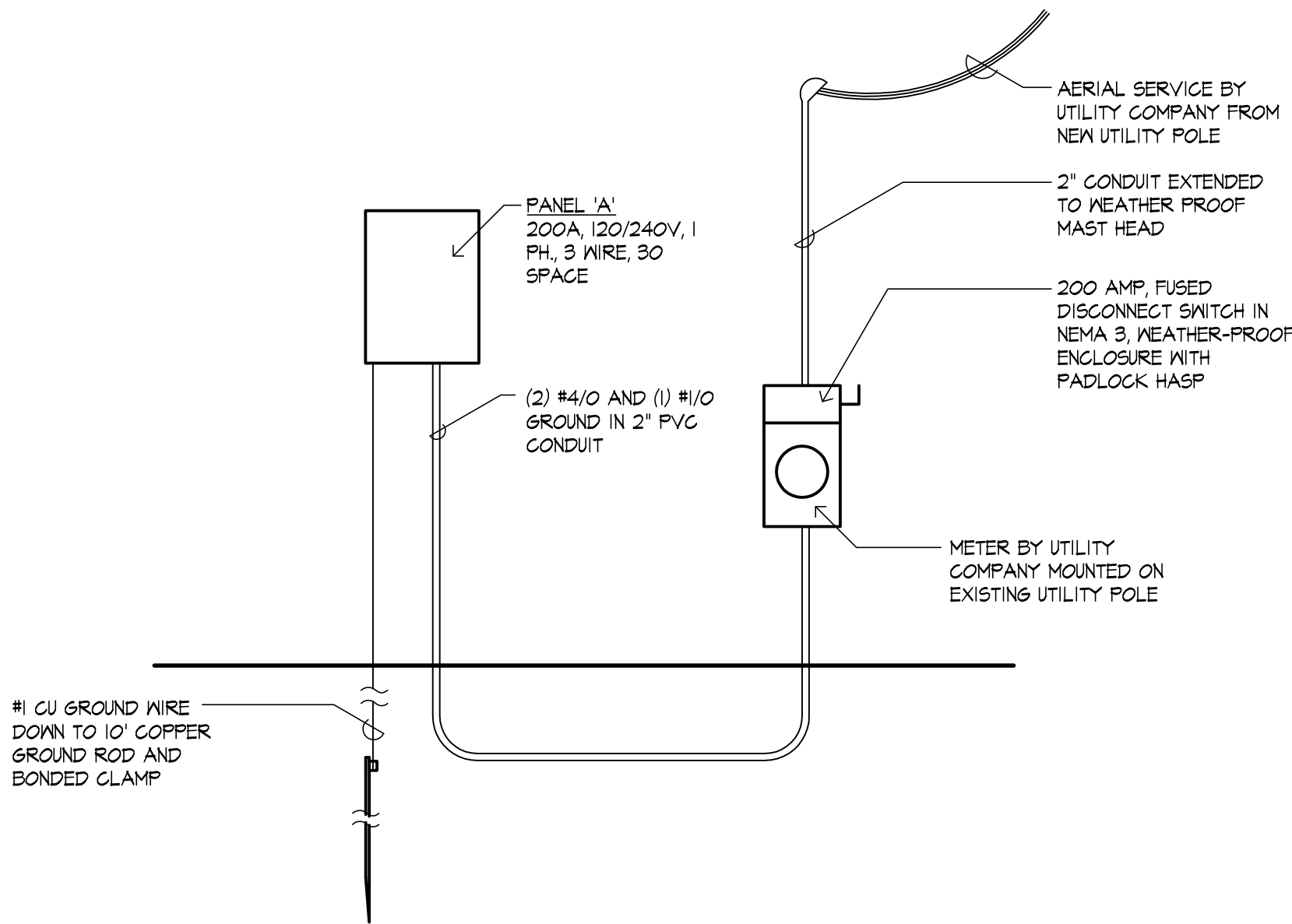
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Electrical Power Plan

1/8"=1'-0"

PANEL NO.	200 AMP 10000 A.I.C.	120/240 VOLT, 1 Ø, 3 W, 60 HZ.	TRIM □ FLUSH □ SURFACE
TYPE	FED FROM	LOCATION	□ w/ GROUND BUS
	* 6FI BREAKER ** WITH "LOCK-ON"		□ w/ MAIN CIRCUIT BREAKER
			□ w/ SOLID NEUTRAL
			□ w/ MAIN LUGS ONLY
LOAD	WIRE SIZE	CB NO.	WIRE SIZE
RECEPTACLES	12 20/1	1	2 20/1
RECEPTACLES	12 20/1	3	4 20/1
O.H. DOOR OPERATOR	12 20/1	5	6 20/1
INTERIOR LIGHTS	12 20/1	7	8 20/1
INTERIOR LIGHTS	12 20/1	4	10 20/1
EXTERIOR LIGHTS	12 20/1	11	12 20/1
SIGN LIGHTING	12 20/1	13	14 20/1
SPACE		15	16
		17	18
		19	20
		21	22
		23	24
		25	26
		27	28
		29	30



Power Riser Diagram

N.T.S.

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