

ELECTRICAL NOTES

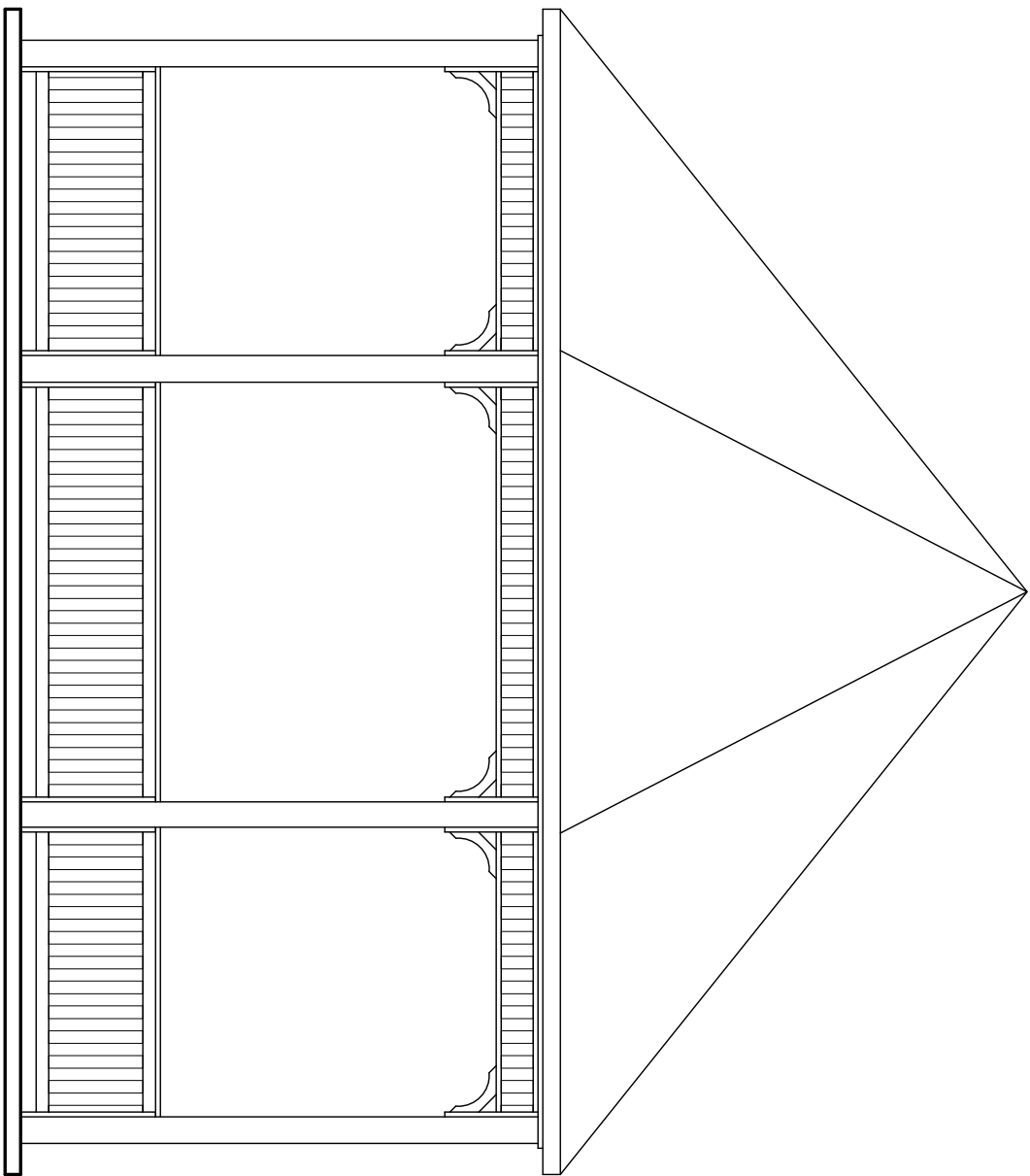
REUSE/REPLACE ALL EXISTING ELECTRICS

- ⌀ 0" GROUND FAULT INTERRUPTER TYPE
⌀ 0" 1/2" RECEPTACLE
⌀ 0" 1/2" WP INDICATES WATER PROOF COVER
⌀ 0" 1/2" WALL MOUNTED LED FIXTURE

RECONNECT (2) LIGHT CIRCUITS AND (1) RECEPTACLE CIRCUIT TO THE EXISTING PANEL.

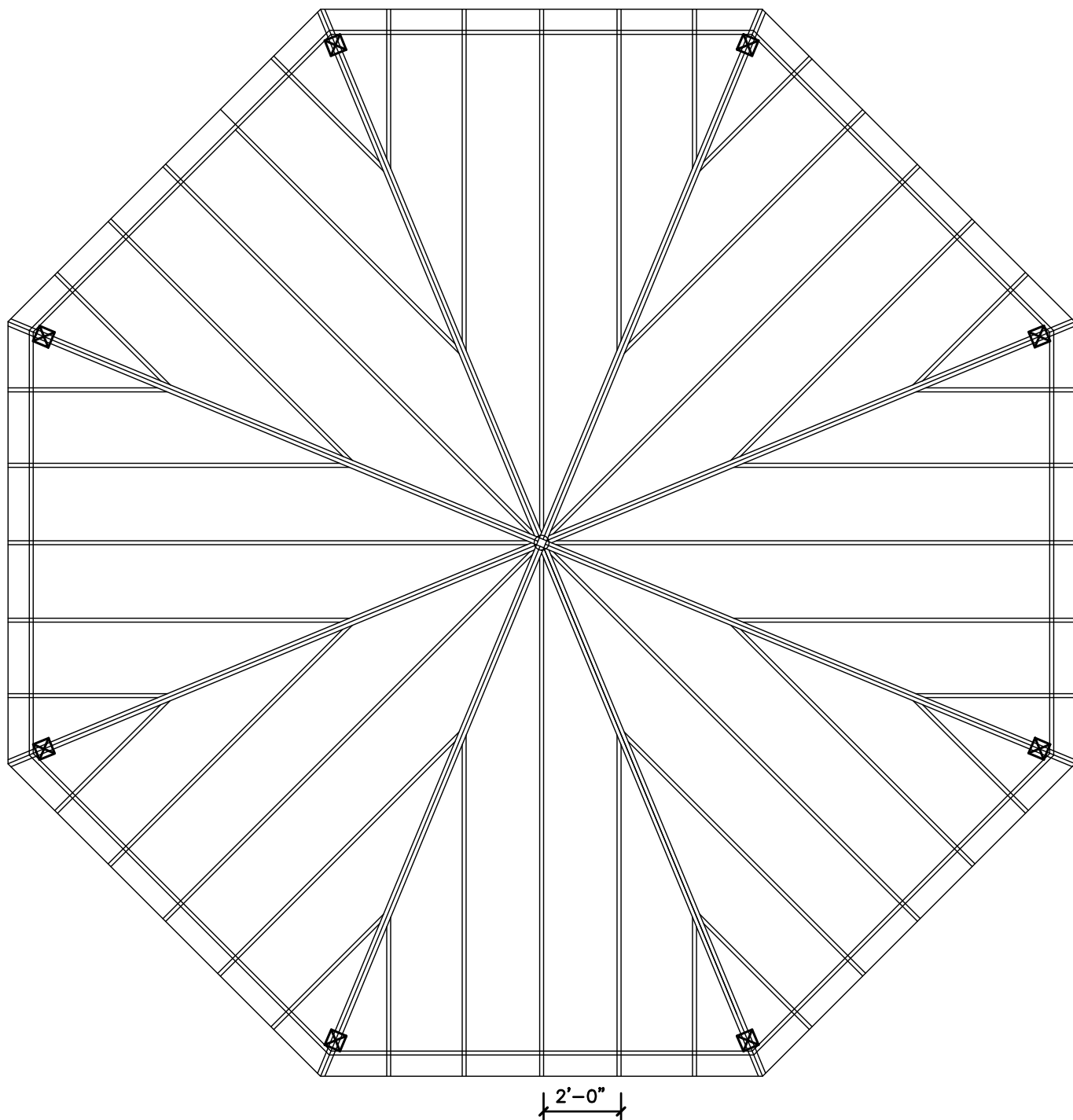
- (1) (8) FIXTURE EXTERIOR LIGHTS THRU PHOTOCELL
(1) (8) FIXTURE INTERIOR LIGHTS SWITCHED BY BREAKER
(1) (8) FIXTURE RECEPTACLES SWITCHED BY BREAKER
(NO RECEPTACLES ON ENTRY POSTS)

- ALL WORK SHALL BE DONE IN A NEAT WORKMANLIKE MANNER AND SHALL CONFORM TO ALL LOCAL AND STATE LAWS, CODES, AND ORDINANCES INCLUDING AMERICANS WITH DISABILITIES ACT AND SHALL COMPLY WITH THE MECA STANDARDS AND REQUIREMENTS OF THE NATIONAL ELECTRIC CODE AND WITH APPLICABLE PORTIONS OF MECA'S STANDARD OF INSULATION.
- SIZES AND TYPES OF GROUNDING CONDUCTORS, GROUNDING CLAMP, BONDING JUNCTIONS, CONDUIT AND CONDUIT FITTINGS SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE 2017. PROVIDE A PERMANENT AND CONTINUOUS COPPER WIRE FLOW SERVICE ENTRANCE NEUTRAL TO WATER METER WITH SUPPLEMENTAL GROUND ROD PER NEC. METAL ENCLOSURES AND EQUIPMENT SHALL BE GROUNDED TO THE SERVICE CONDUCTORS AND EQUIPMENT SHALL BE GROUNDED PER NEC. ARTICLE 250.80.
- INTERIOR CONDUIT TO BE RIGID EXTERIOR OR BELOW GRADE CONDUIT TO BE PVC (MINIMUM 2" CONC.), SCHEDULE 40 OR GALVANIZED RIGID. MINIMUM SIZE TO BE 3/4" ABOVE OR BELOW GRADE. ALL CONDUITS SHALL INCLUDE AN EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH NEC 2017, TABLE 250.122.
- ALL WIRE SHALL BE COPPER, STRANDED WITH THIN, 600 VOLTS INSULATION UNLESS OTHERWISE NOTED ON DRAWINGS. MINIMUM SIZE TO BE #12 AWG. NONMETALLIC SHEATH CABLE OR W/C CABLE SHALL BE USED IN ALL APPLICATIONS. ALL WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE 2017. ALL WIRE SHALL BE USED WITH ALL W/C CABLE REMOVAL.
- PROVIDE DIRECTORY FOR ALL PANELBOARDS AND NAMEPLATES FOR PANELBOARDS, SAFETY SWITCHES, MOP, TRANSFORMERS, ETC.



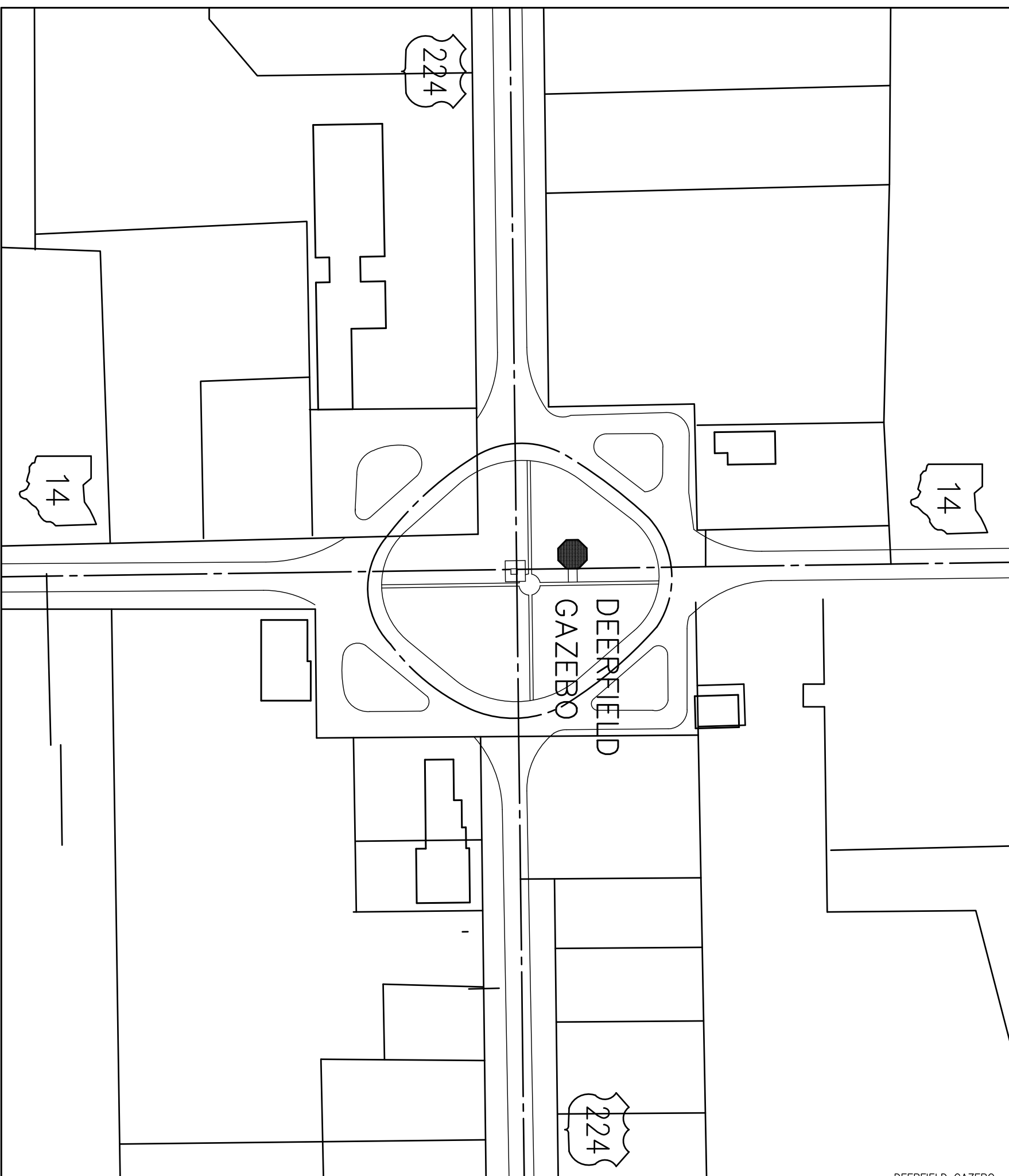
ELEVATION

SCALE 1/4" = 1'-0"



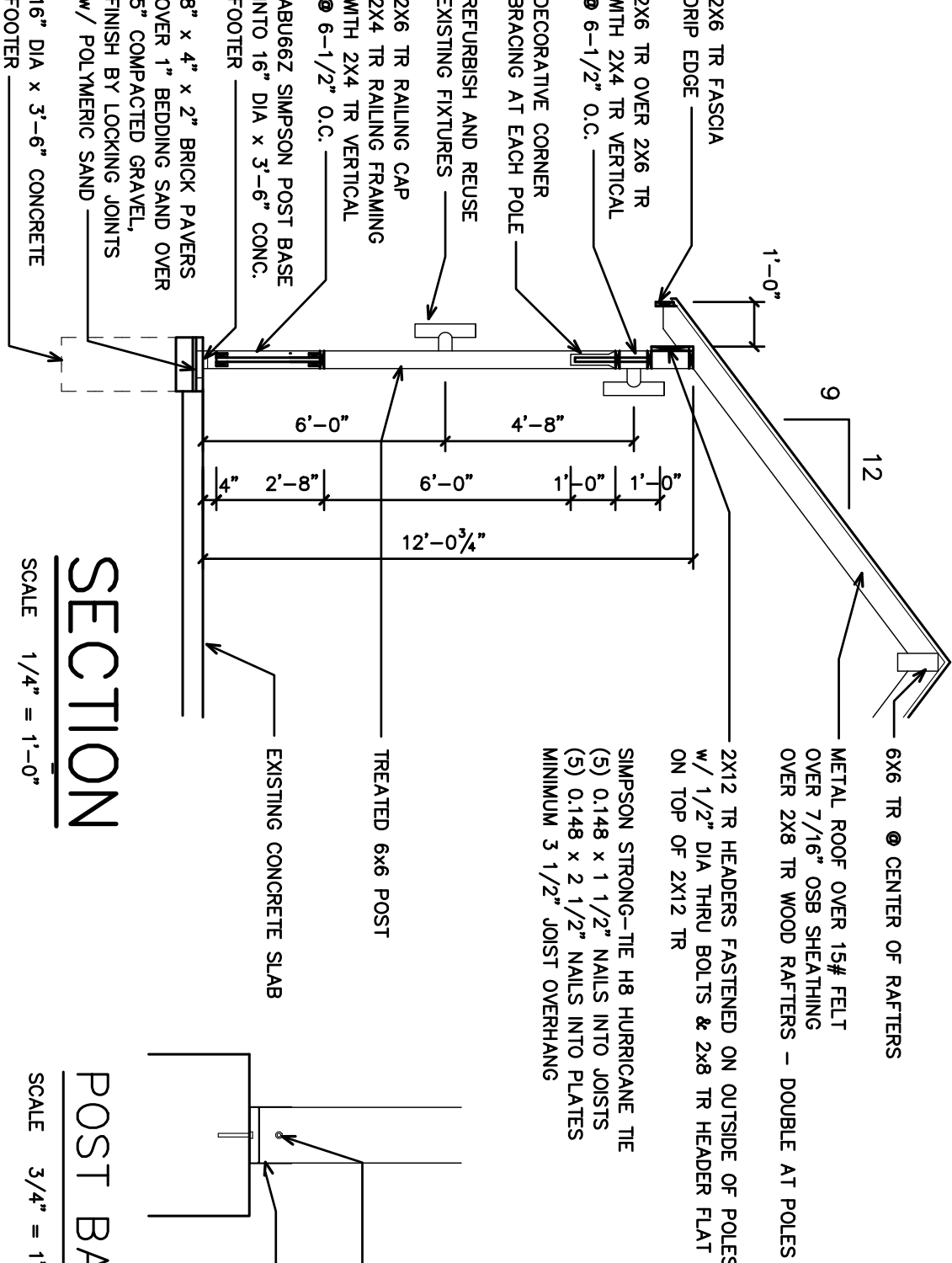
RAFTERS LAYOUT

SCALE 1/4" = 1'-0"



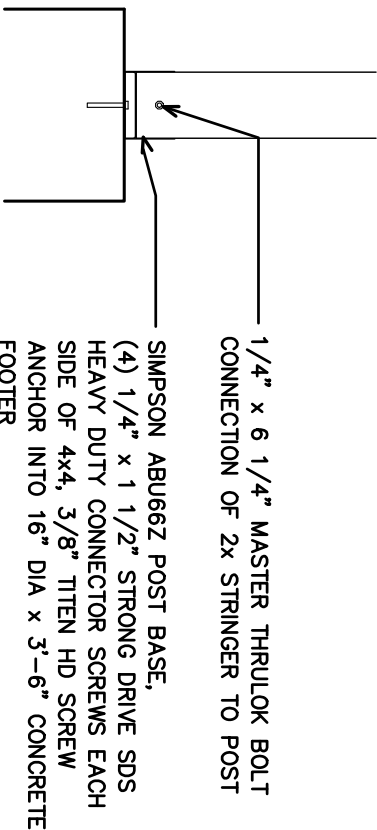
SITE PLAN

NO SCALE



SECTION

SCALE 1/4" = 1'-0"



POST BASE DETAIL

SCALE 3/4" = 1'-0"

STRUCTURAL DESIGN DATA

- SECTION 1603.1.2 & 1607.11 ROOF LIVE LOAD
REDUCTION FACTORS (A-2000 FT²)
MINIMUM ROOF LIVE LOAD = 20(1)(1) = 20
SECTION 1603.1.3 ROOF SNOW LOAD
GROUND SNOW LOAD: P = 20 PSF
FLAT ROOF SNOW LOAD: P_f = 20 PSF
SNOW EXPOSURE FACTOR: C_e = 1.0
SNOW LOAD IMPORTANCE FACTOR: I = 1.0
THERMAL FACTOR: C_t = 1.0
RAIN-ON-SNOW SURCHARGE = 5 PSF
SECTION 1603.1.4 WIND DESIGN DATA
BASIC DESIGN WIND SPEED: 110 mph
RISK CATEGORY: I
WIND EXPOSURE CATEGORY: II
WIND PRESSURE COEFFICIENT: +0.18
DESIGN WIND PRESSURES (strength level):
WALLS (nat): -18 psf typical, -25 psf end zone
COMPONENTS AND CLADDING (strength level):
WALLS: -22 psf / -25 psf
ROOF: +16 psf / -35 psf

SECTION 1603.1.5 EARTHQUAKE DESIGN DATA

- SEISMIC IMPORTANCE FACTOR: I_e = 1.0
SEISMIC RESPONSE ACCELERATIONS: S₁=15%, S₂=6%
SITE CLASS: D
SPECTRAL RESPONSE COEFFICIENTS: S_s=0.16, S₁=0.086
SEISMIC DESIGN CATEGORY: B
BASIC SEISMIC-FORCE-RESISTING SYSTEM: RIGID FRAME
DESIGN BASE SHEAR: 1720 LBS. C=0.13
SEISMIC RESPONSE COEFFICIENT: R=125
RESPONSE MODIFICATION FACTOR: R=125
ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE

SECTION 3107.5.3 WORKING STRESSES

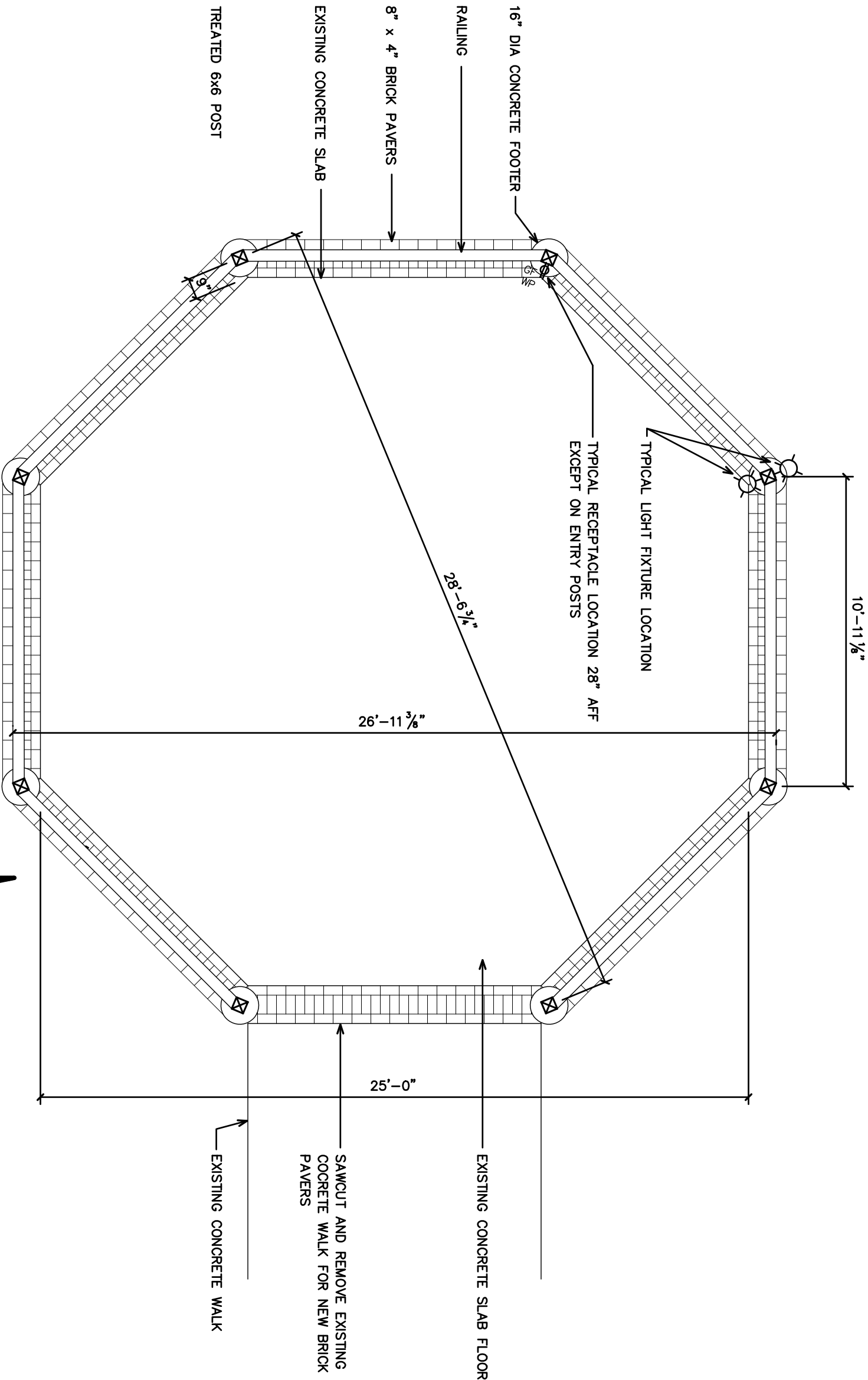
THE WORKING STRESSES OF SUPPORTS AND THEIR FASTENINGS SHALL NOT EXCEED 25 PER CENT OF THEIR ULTIMATE STRENGTH.

TABLE 1804.2 VALUES OF SOILS

SAND, SILTY SAND, CLAYEY SAND, SILTY GRAVEL AND CLAYEY GRAVEL
SOIL BEARING = 2000 PSF
LATERAL RESIST = 150 PSF/FT

ROOF LOAD

Live Load	20.0 PSF
Metal Panels	2.0
OSB	2.0
Wood Joists	3.0
Miscellaneous	3.0
TOTAL	30.0 PSF



FLOOR PLAN

SCALE 1/4" = 1'-0"



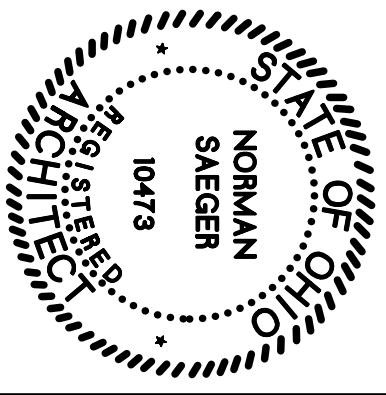
DEERFIELD GAZEBO

DEERFIELD CIRCLE
DEERFIELD, OHIO 44411

SAEGER ARCHITECTURAL SERVICES

4956 ESHELMAN AVENUE NE
LOUISVILLE, OHIO 44641

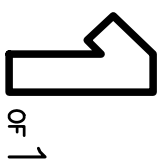
330 875 0848



SCOPE OF WORK
DISASSEMBLE EXISTING GAZEBO AND REUSE/REPLACE MEMBERS
AS REQUIRED TO REBUILD THE ORIGINAL STRUCTURE

PE NUMBER: PE 24-164

NORMAN SAEGER, LICENSE #10473



6-6-26
11-09-24

CODE REVIEW

ALL WORK AND MATERIALS SHALL BE IN STRICT COMPLIANCE
WITH ALL APPLICABLE PROVISIONS OF THE 2024 IRC, OMC, IRC
AND IRC, 2023 DEC, 2021 ICC (2022 ASHRAE 90.1) AND NEC,
A117-1 2017 OHIO ACCESSIBILITY CODE, 2015 ICC AND IFCC

O.B.C. USE GROUP	U
CONSTRUCTION TYPE	5B
AREA	602 SF
BUILDING HEIGHT	20'