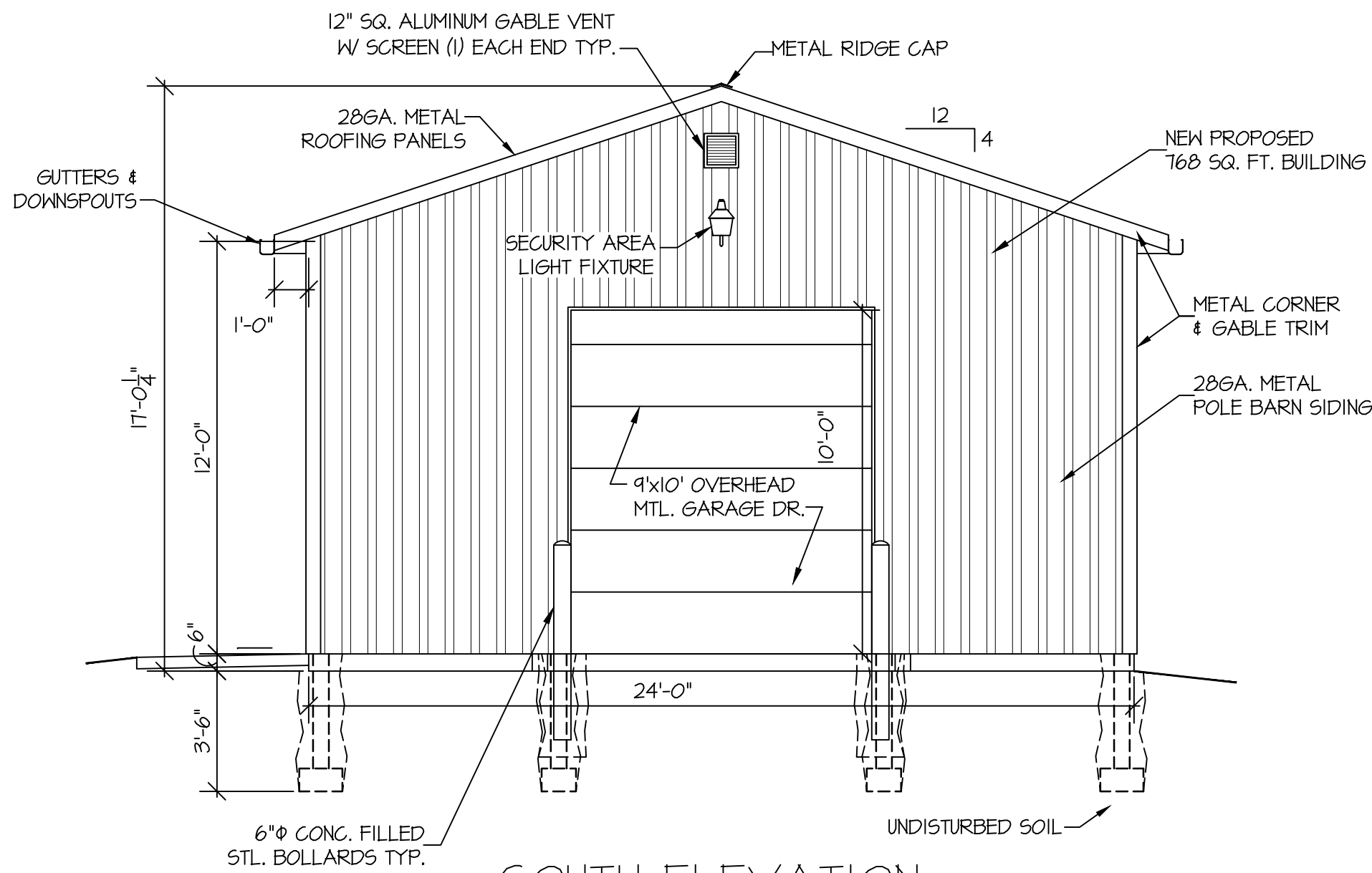
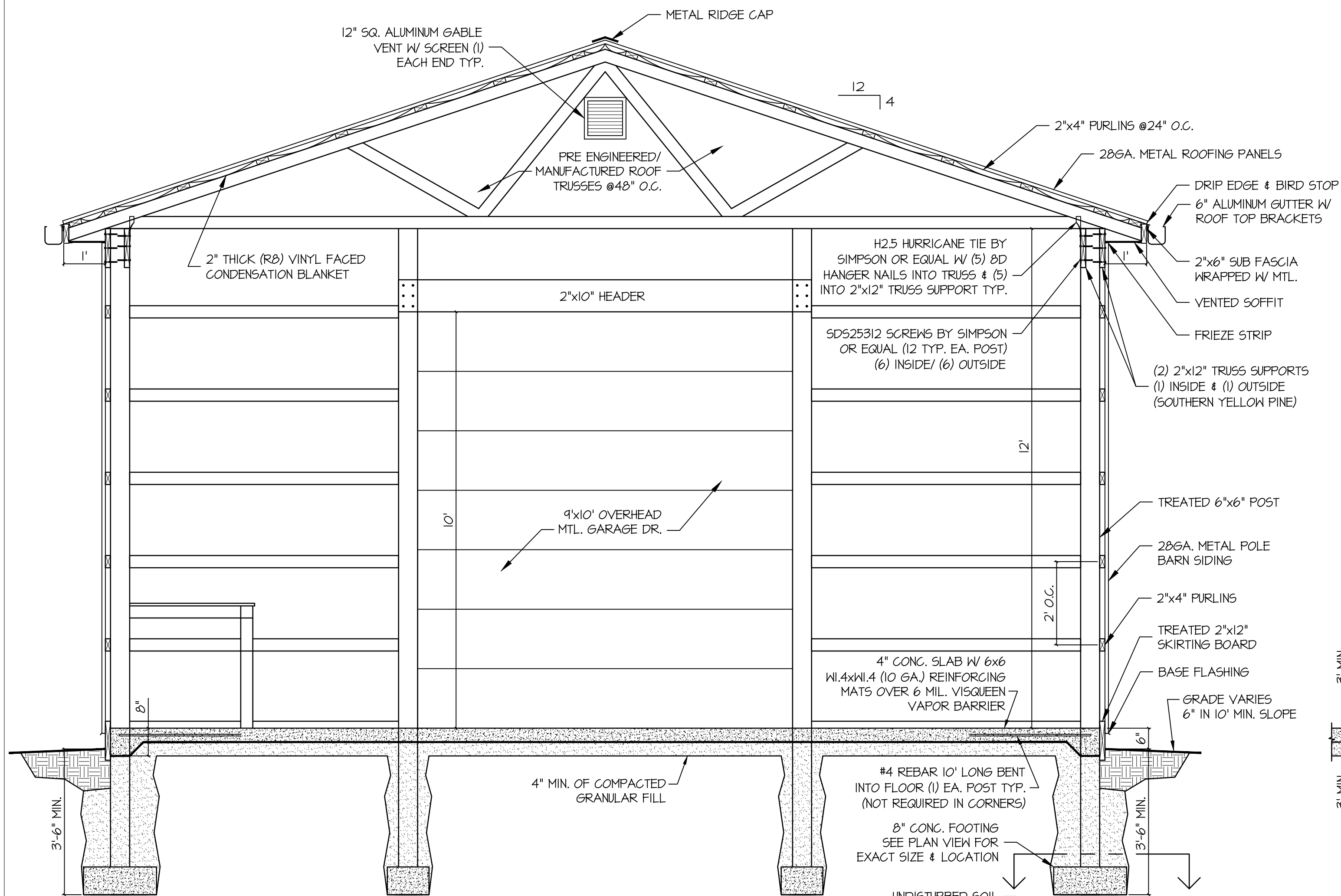


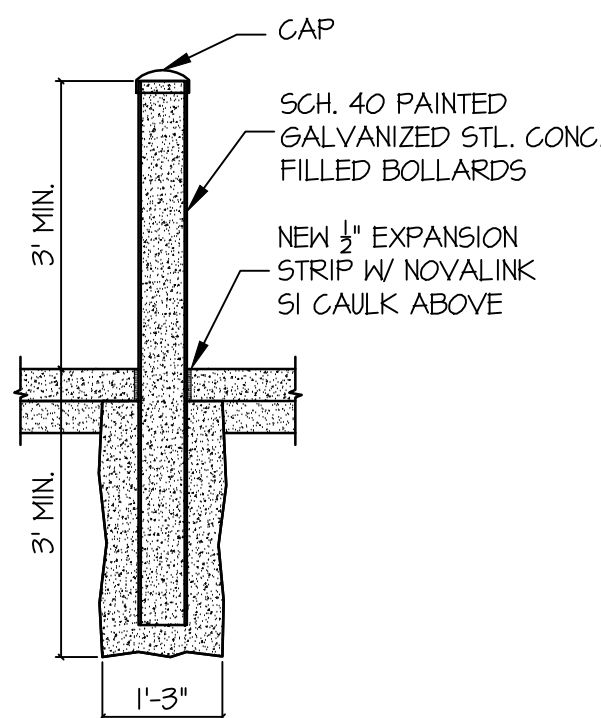
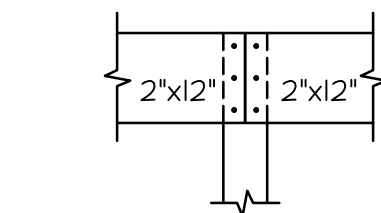
WEST ELEVATION
SCALE: 1/4" = 1'-0"



SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



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



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

GENERAL NOTES:

WOOD TRUSSES SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH ICBO STANDARDS. METAL GUSSET PLATES SHALL BE FABRICATED IN ACCORDANCE WITH TPI REGULATIONS. PLATES SHALL BE GALVANIZED OR NON-CORROSIVE. LUMBER GRADES AND SPECIES USED SHALL MEET OR EXCEED STRESSES AS REQUIRED FOR THE FOLLOWING LOADING SHOWN BELOW

DIMENSION LUMBER SHALL BE CLEARLY MARKED IN ACCORDANCE WITH PS 20-10, ANSI A 194.1, AND NATIONAL GRADING RULES FOR SOFTWOOD DIMENSION LUMBER AND BEARING GRADE STAMP OF NWFA, SPIB, OR OTHER ASSOCIATION RECOGNIZED THE AMERICAN LUMBER STANDARDS COMMITTEE.

FOR REPETITIVE USE MEMBERS MINIMUM FIBER STRESS IN BENDING (Fb) SHALL BE 1400 PSI. FOR BEAMS AND HEADERS USE (Fb) = 1500 PSI MINIMUM.

PROVIDE TEMPORARY AND PERMANENT TRUSS BRIDGING AS DIRECTED BY TRUSS MANUFACTURER.

ALL DIMENSIONS ARE NOMINAL TO FINISHED SURFACES UNLESS NOTED OTHERWISE

ALL ROUGH FRAMING TO BE COORDINATED AROUND AND IN CONJUNCTION WITH ARCHITECTURAL AND ELECTRICAL ITEMS FOR ADDITIONAL OPENINGS, SLEEVES, UNDER FLOOR OR FLOOR DEPRESSIONS, ETC. COORDINATE LOCATIONS, SIZES, AND REINFORCEMENT OF ALL OPENINGS WITH RESPECTIVE TRADES BEFORE FABRICATION.

THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE EXISTING CONDITIONS AND VERIFY ALL DIMENSIONS BEFORE STARTING WORK, FABRICATING ANY STRUCTURAL MATERIAL, OR ORDERING ANY MATERIAL. THE ARCHITECT/ ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR DESIGN ISSUES.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN CLARIFICATION OF ANY DISCREPANCIES FOUND DURING SITE EXAMINATION & OR ON DRAWINGS PRIOR TO CONSTRUCTION.

ALL HEADERS AND BUILT-UP BEAMS SHALL BE GLUED AND NAILED AT 8" O.C. STAGGERED BOTH SIDES W/ 16D NAILS

ALL METAL HANGERS AND CONNECTORS SHALL BE MANUFACTURED BY SIMPSON OR APPROVED EQUAL AND BE SIZE AND TYPE RECOMMENDED FOR THE APPLICATION BY THE MANUFACTURE

FRAMER SHALL PROVIDE AND INSTALL ALL FRAMING REQUIRED (WHETHER SPECIFIED OR NOT) FOR HEADERS, NAILERS, CORNERS, PARTITION SUPPORTS, BRIDGING, & SOLID BLOCKING AS REQUIRED (AT DOORS, SHELVES, BEHIND DOOR STOPS, ETC.) ETC. TO MAKE A COMPLETE AND SOUND INSTALLATION IN ACCORDANCE WITH ALL APPLICABLE CODES.

MEET ALL FIRE BLOCKING AND DRAFT STOP REQUIREMENTS, PER MICHIGAN BUILDING CODE

- Place concrete according to ACI 301.
- Reinforcing to comply with ACI 301 and related ACI, CRSI, and ASTM standards.
- Formwork to comply with ACI 301, 318, and ACI 347.
- Tolerance standards for level, plumb, and aligned construction shall be as per ACI 117.

- > INSTALL MATERIALS & SYSTEMS IN ACCORDANCE W/ MANUFACTURE'S INSTRUCTIONS & APPROVED SUBMITTALS
- > PROVIDE TEMPORARY SHORING & BRACING AS REQUIRED
- > WORK ONLY WHEN AMBIENT 40°F TO 80°F TEMPERATURE WILL BE MAINTAINED UNTIL 72 HOURS AFTER COMPLETION
- > PROTECT WORK FROM DAMAGE, IF DAMAGED RESTORE FINISHES & CLEAN
- > STRICTLY ENFORCE WORKER SAFETY REGULATIONS & FIRE SAFETY REGULATIONS
- > FOLLOW AISC "SPECIFICATIONS FOR DESIGN, FABRICATION, & ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"
- > FOLLOW AISC "CODE OF STANDARD PRACTICE"
- > PROVIDE EXPERIENCED, WELL-TRAINED WORKERS TO COMPLETE THE WORK AS SPECIFIED

CONCRETE STRENGTH SHALL BE 4,000 PSI IN 28 DAYS FOR ALL INTERIOR SLABS, & 3,000 PSI FOR FOOTINGS

CONCRETE FINISHES:
EXTERIOR SLABS - LIGHT BROOM FINISH
INTERIOR SLABS - STEEL TROWELED FINISH

INTERIOR CONCRETE SLABS WHICH DO NOT RECEIVE A FINISHED FLOORING MATERIAL SHALL BE SEALED AFTER CURING.

LOCATION OF CONSTRUCTION AND CONTRACTION JOINTS FOR THE SLAB-ON-GRADE WILL BE THE CONTRACTORS RESPONSIBILITY

EXTERIOR EXPOSED CONCRETE SLABS TO HAVE LIMESTONE AGGREGATE, W/ 6x6 W/ 1.4 x 1.4 WNF. EXTERIOR SLABS AND WALKS TO HAVE CONTROL JOINTS AT 5 FEET ON CENTER AND EXPANSION JOINTS AT 40 FEET ON CENTER MAXIMUM.

INTERIOR CONCRETE SLABS SHALL BE REINFORCED W/ 6x6-W/1.4 x 1.4 WNF

Construction Phase: The CONSULTANT shall not have control over, charge of, or responsibility for the constructions means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the construction work on any project, nor shall the CONSULTANT be responsible for the Contractor's failure to perform the construction work in accordance with the requirements of the plans and specifications prepared by CONSULTANT. The CONSULTANT shall not have over or charge of, and shall not be responsible for, acts or omissions of the Contractor or of any persons or entities performing portions of the construction work.

THIS PRINT CONTAINS CONFIDENTIAL INFORMATION WHICH IS THE SOLE PROPERTY OF WHARRY ENGINEERING BY ACCEPTING THIS INFORMATION THE BORROWER AGREES THAT IT WILL NOT BE USED FOR ANY OTHER REASON OTHER THAN THAT FOR WHICH IT IS LOANED

CONTRACTORS TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. ALL LOCAL STATE & FEDERAL CODES ARE TO BE FOLLOWED ACCORDINGLY

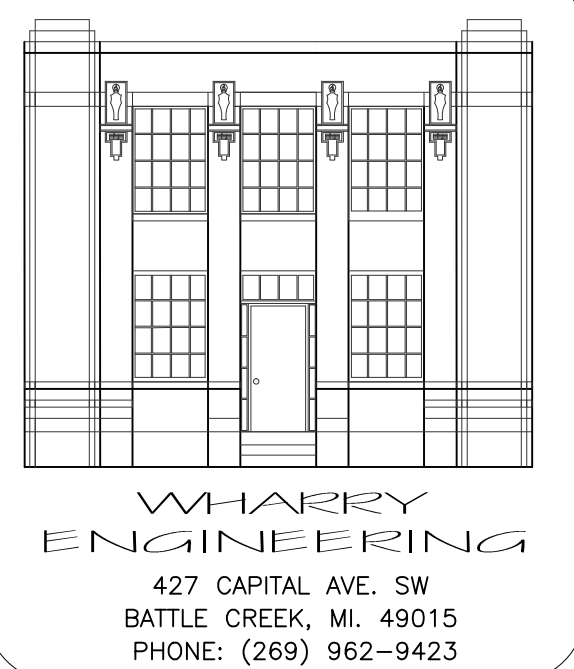
WHARRY ENGINEERING IS NOT RESPONSIBLE (AND HELD BLAMELESS) FOR OWNER/OWNER'S CONTRACTOR FAILURE TO FOLLOW "FOR CONSTRUCTION" DOCUMENTS

NOT PUBLISHED ALL RIGHTS RESERVED. CONTRACTOR RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, & REPORTING VARIANCES CONTRACTOR TO CALL LOCAL UTILITY SERVICE BEFORE DIGGING OR WORKING NEAR OVERHEAD ELECTRIC WIRES

- ☐ PRELIMINARY/ FOR APPROVAL ONLY
- ☐ FOR BIDDING/ PERMITS
- ☒ FOR CONSTRUCTION
- ☐ FINAL RECORD

SEAL:

DR. BY: DALE SMITH
SCALE: AS SHOWN
DSGN. BY: RALPH A. WHARRY P.E.
CHK'D BY: RALPH A. WHARRY P.E.
JOB No: #4567-17
DATE: REVIEW APRIL 17, 2017
MAY 1, 2017



PROJECT:
NEW PROPOSED
ACCESSORY
STORAGE BUILDING
AT WILLARD BEACH
FOR THE CITY OF
BATTLE CREEK

DRAWING TITLE:
EXTERIOR
ELEVATIONS,
CROSS SECTION,
& NOTES

SHEET NO:
A102
2 OF 2

CONTRACTORS TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
ALL LOCAL, STATE, & FEDERAL CODES ARE TO BE FOLLOWED ACCORDINGLY