

FOUNDATIONS

I. PRESUMPTIVE BEARING CAPACITY: 2000 PSF

2. FOUNDATION DESIGN IS BASED ON SHALLOW SPREAD FOOTINGS BEARING ON SUITABLE NATURAL SOILS AND/OR NEW COMPACTED STRUCTURAL FILL.

3. ALL ORGANIC MATERIALS EXCESSIVELY SOFT OR LOOSE SOILS, TREES, ASPHALT, CONCRETE, DEBRIS AND OTHER DELETERIOUS MATERIALS SHALL BE REMOVED. UNSUITABLE AREAS SHALL BE REMOVED AND REPLACED.

4. AREAS REQUIRING UNDERCUT AND FILL MATERIAL DUE TO THE PRESENCE OF UNSUITABLE MATERIAL SHALL BE BACKFILLED TO THE DESIGN FOOTING SUBGRADE WITH NEW COMPACTED STRUCTURAL FILL.

5. COMPACTED STRUCTURAL FILL FOR BUILDING SUPPORT UTILIZING MATERIAL APPROVED FOR USE INCLUDE:

ON-SITE GRANULAR SOILS INCLUDING GW , GP, GM, SW, SP, ND. SM, CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOLID CLASSIFICATION SYSTEM (USCS). FURTHERMORE, THE MATERIAL TO BE UTILIZED AS STRUCTURAL FILL SHOULD HAVE A PLASTICITY INDEX (PI) LESS THAN 20.

6. COMPACTED STRUCTURAL FILL BENEATH ALL FOUNDATIONS, SLABS ON GRADE AND ADJACENT TO FOUNDATION WALLS SHALL BE PLACED IN LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS AND BE COMPACTED TO 95 PERCENT OF MAXIMUM DRY DENSITY PER ASTM D-1557 MODIFIED PROCTOR TEST.

7. SOILS EXPOSED AT THE BASES OF ALL FOUNDATION EXCAVATIONS SHOULD BE PROTECTED AGAINST ANY DETRIMENTAL CHANGE IN CONDITION. SUCH AS DISTURBANCE FROM RAIN OR FROST. SURFACE RUNOFF SHOULD BE DRAINED AWAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO POND. FOUNDATION EXCAVATIONS SHOULD BE PROTECTED FROM RAINFALL OR FREEZING CONDITIONS. SLOPE FOOTINGS EXCAVATIONS AS REQUIRED FOR STABILITY AND SAFTY OR PROVIDED SHEETING OR SHORING IN ACCORDANCE WITH OSHA REQUIREMENTS IN THE EVENT THAT THE CONTRACTOR DETERMINES THAT SHEETING OR SHORING IS REQUIRED FOR ESCALATION. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A REGISTERED PROFESSIONAL STRUCTURAL ENGINEER FOR DESIGN AND DOCUMENTATION OF ALL SHEETING AND SHORING REQUIRED FOR THE WORK.

8. UTILITY LINES SHALL NOT PASS UNDER FOOTINGS, STEP FOOTINGS BELOW UTILITY LINES AND SLEEVE WALL.

9. TRENCHES WHICH RUN ADJACENT TO FOOTINGS AND ARE LOWER THAN THE FOOTING BOTTOM AND ARE WITHIN A HORIZONTAL DISTANCE OF 1.5 TIMES THE ELEVATION DIFFERENCE SHALL BE BACKFILLED WITH 1500 PSI CONCRETE TO THE FOOTING BOTTOM.

<u>CONCRETE</u>

I. ALL CONCRETE WORK SHALL CONFORM TO ACI 318 (LATEST EDITION).

2. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE:

FOUNDATION: 3500 PSI GARAGE FLOOR SLABS: 3500 PSI EXTERIOR WALKS, STEPS, PADS, RAMPS AND CURBS: 3500 PSI ALL CONCRETE SHALL BE AIR-ENTRAINED (6+/-I)%.

3. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.

4. CALCIUM CHLORIDE ADMIXTURES ARE PROHIBITED, USE OF ADMIXTURES SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT.

GENERAL NOTES

I. EXTERIOR WALLS SHALL BE 2x4 WOOD PURLINS @ 2'-O" O.C. HORIZ. W/ 29 GAUGE GRADE #I GALVALUME PAINTED STEEL PANELS.

2. ALL DIMENSIONS ARE TO FACE AND/OR CENTER OF STRUCTURE.

3. 12" BUILDING OVERHANG AT EAVES AND GABLES.

4. 4'-0" X 2'-0" PELLA FIXED WINDOWS, MAINTENANCE FREE VINYL WRAPPED FULLY WELDED STEEL REINFORCED FRAMES AND SASHES, LOW-E ARGON GAS INSULATED DUAL PANE GLASS, GRIDS BETWEEN GLASS. SILL HEIGHT AT 16'-O",

5 EXTERIOR INGIII ATED BAKED POI YESTER HOT DIPPED

<u>SYMBOLS</u>

(FE) DENOTES FIRE EXTINGUISHER LOCATION. FIRE EXTINGUISHER SHALL BE 2A:10B:C MOUNTED AT 48" TO TOP.

DENOTES EMERGENCY LIGHT WITH BATTERY BACK UP

DENOTES LIGHTED EXIT SIGNS

DENOTES REMOTE HEAD EXTERIOR EMERGENCY LIGHT

PL/ OTE

THE PROFESSIONAL SERVICES OF THE ARCHITECT ARE UNDERTAKEN FOR AND ARE PERFORMED IN THE INTEREST OF BANKS WINE AND SPIRITS. NO CONTRACTUAL OBLIGATION IS ASSUMED BY THE ARCHITECT FOR THE BENEFIT OF ANY OTHER PERSON INVOLVED IN THE PROJECT.

THE ARCHITECT WHO SEALED, SIGNED AND DATED THIS DOCUMENT HAS NOT BEEN EMPLOYED TO FURNISH CONSTRUCTION CONTRACT ADMINISTRATION SERVICES AS DEFINED IN 24 DEL. C. 303 (C).

SIGNATURE OF: WILLIAM F. HORN, JR. DATE OF SIGNATURE: 09/10/20 DATE OF REGISTRATION:

EXPIRATION: 01/31/22

DESIGNED WFH DRAWN PAH CHECKED WFH DATE 09/10/20 PROJ. NO. 32051 SCALE AS NOTED SHEET

AN

 \leq 38014 TOWI MILLVILLE, [BANK!

0 \bigcirc