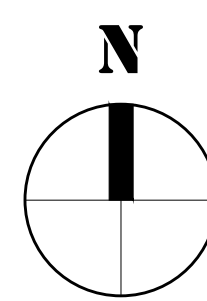


FOUNDATION PLAN

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



GENERAL STRUCTURAL NOTES

- FOUNDATIONS ARE BASED ON A SAFE CARRYING CAPACITY OF 2,000 PSF FOR SPREAD FOOTINGS AND CONTINUOUS WALL FOOTINGS. AFTER EXCAVATION IS COMPLETED AND BEFORE ANY FOUNDATIONS ARE CONSTRUCTED, CONTRACTOR SHALL COMPACT AND EXAMINE THE SOIL. IF THERE IS DOUBT ABOUT ITS ABILITY TO CARRY THIS AMOUNT OF LOAD HE SHALL BRING TO THE ATTENTION OF THE OWNER.
- DESIGN LIVE LOADS: ROOF (SNOW LOAD) 25 PSF
- (OBC) SNOW LOAD DESIGN DATA: (A) $P_g=20$ PSF (GROUND SNOW LOAD) (B) $C_e=0.9$ (SNOW EXPOSURE FACTOR) (C) $C_t=1.0$ (SNOW THERMAL FACTOR) (D) $I_s=1.0$ (SNOW IMPORTANCE FACTOR) (E) SNOW DRIFT LOADS WERE INCLUDED IN THE DESIGN
- (OBC) WIND LOAD DESIGN DATA: (A) WIND SPEED - 90 MPH (B) $I_w=1.0$ (WIND IMP. FACTOR), BUILDING CATEGORY-II (C) EXPOSURE CATEGORY "C" (D) $G_c p_i=0.18$ (INTERNAL PRESSURE COEFFICIENT) (E) MAX. VELOCITY PRESSURE, $q = 14.96$ PSF (F) MAX. ROOF COMPONENTS DESIGN PRESSURE: (EAVES & RIDGES) = -29.62 PSF (CORNERS) = -44.59 PSF
- (OBC) SEISMIC DESIGN DATA: (A) SEISMIC IMPORTANCE FACTOR, $I = 1.0$ - OCCUPANCY CATEGORY II (B) MAPPED SPECTRAL RESPONSE ACCELERATIONS: $S_{ps} = 0.12$ g, $S_{p1} = 0.05$ g (C) SITE CLASS "D" (D) SPECTRAL RESPONSE COEFFICIENTS: $S_{ps} = 0.13$, $S_{p1} = 0.09$ (E) SEISMIC DESIGN CATEGORY "A" (F) BASIC SEISMIC-FORCE RESISTING SYSTEM: -BEARING WALL SYSTEM (LIGHT FRAMED WALLS SHEATHED WITH STRUCTURAL PANEL) (G) DESIGN BASE SHEAR = 0.020 W (H) SEISMIC RESPONSE COEFFICIENT, $C_s = 0.020$ FOR LIGHT FRAME WALLS (I) RESPONSE MODIFICATION FACTOR, $R = 6.5$ FOR LIGHT FRAME (J) ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER IT IS FULLY COMPLETED. IT IS THE GENERAL CONTRACTOR RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION

STEEL NOTES

- DESIGN, FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH THE (A.I.S.C) ASD THIRTEENTH (13TH) EDITION AND SPECIFICATIONS.
- FIELD BOLTS SHALL BE 3/4" DIA. STD. MACHINE BOLTS CONFORMING TO A.S.T.M. A325 UNLESS OTHERWISE NOTED.
- PROVIDE ALL BOLTS, ANCHORS, STRAPS, FASTENERS, AND SIMILAR ITEMS AS SHOWN ON THE DRAWINGS OR REQUIRED TO COMPLETE THE INTENDED WORK.
- ALL STEEL FRAMING SHALL BE FABRICATED FROM (ASTM A992) STEEL. ALL MISC. STEEL PLATES AND BARS FROM (A36 STEEL). STEEL TUBES A500-GRADE B.
- ALL WELDING ELECTRODES SHALL BE E-70XX
- ALL L'S, PL'S AND FLANGES CARRYING WALLS EXPOSED TO VIEW SHALL BE COPED FOR MORTAR COVER.
- ALL STEEL WORK, BEFORE LEAVING SHOP TO HAVE ONE GOOD COAT OF RED OXIDE PAINT. ALL PARTS INACCESSIBLE AFTER ERECTION TO HAVE TWO COATS.
- ALL CONNECTIONS TO DEVELOP FULL STRENGTH OF MEMBERS.
- ALL STEEL EXPOSED TO WEATHER TO BE GALVANIZED.

CONCRETE NOTES

- ALL CONCRETE SHALL COMPLY WITH SPECIFICATIONS AND STD 6"x12" CYLINDERS SHALL TEST 4000 PSI MINIMUM AT AGE OF 28 DAYS. FOR FLOORS AND 3000 PSI FOR FOOTINGS.
- EXTERIOR CONCRETE WALKS AND CURBS SHALL COMPLY WITH SPECIFICATIONS AND STD 6"x12" CYLINDERS SHALL TEST 4000 PSI MINIMUM AT AGE OF 28 DAYS. WALKS SHALL BE 4" THICK AND HAVE 6"x6" W2.1XW2.1 WELDED WIRE FABRIC PLACED AT MID DEPTH.
- REINFORCING BARS, UNLESS OTHERWISE SPECIFIED, SHALL BE BILLET BARS MEETING ASTM A615 GRADE 60.
- LAP ALL BARS SPLICES 24 BAR DIAMETERS (UNLESS OTHERWISE CALLED FOR) BUT NOT LESS THAN 12".
- MINIMUM CONCRETE COVERS FOR REINFORCING BARS SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
CONCRETE SLABS AND JOISTS 1-1/2" FOR #5 BARS AND SMALLER
CONCRETE BEAMS, GIRDERS AND COLUMNS 3/4"
FORMED SURFACED EXPOSED TO WEATHER 1-1/2"
ON EARTH 2" FOR # 6 AND LARGER
CONCRETE DEPOSITED AGAINST GROUND 3"

WOOD NOTES:

- ALL LOADBEARING STUDS, DOOR HEADERS, WINDOW HEADERS AND DOUBLE & TRIPLE STUDS SHALL BE STRUCTURAL GRADE "SPRUCE-PINE-FIR" OR APPROVED EQUAL
BENDING STRESS, $F_b = 1300$ PSI
SHEAR STRESS, $F_v = 70$ PSI
MODULUS OF ELASTICITY, $E = 1,300,000$ PSI
GLULAM BEAM TO $F_w=195$ PSI, $F_b=2400$ PSI AND $E=1,800,000$ PSI
- ALL LOADBEARING DOOR OPENINGS TO HAVE (2) 2X8 OR (3) 2X8 HEADERS UNLESS NOTED OTHERWISE.
- ALL HEADERS TO BE SUPPORTED BY A MINIMUM OF (2)-2X4'S OR (2)-2X6'S STUDS @ EACH END UNLESS NOTED OTHERWISE.
- ALL LUMBER IN CONTACT WITH CONCRETE FLOOR SLABS OR CONCRETE BLOCK IN CONTACT WITH EARTH TO BE PRESSURE TREATED.
- ALL LUMBER TO BE A MAXIMUM OF 19% MOISTURE CONTENT.
- ALL WALL STUDS TO BE 16" O.C. UNLESS NOTED OTHERWISE.
- DO NOT NOTCH, BORE, OR CUT WOOD MEMBERS FOR PIPES, DUCTS, CONDUITS OR OTHER REASONS IN SUCH A MANNER AS TO HINDER THE STRUCTURAL CAPABILITY OR INTENDED USE. STRUCTURAL MEMBERS WHOSE STRENGTH IS IMPAIRED BY IMPROPER CUTTING OR DRILLING OR EXCESSIVE DEFECTS SHALL BE REPLACED OR REINFORCED.
- PROVIDE SOLID BLOCKING UNDER PARTITIONS PERPENDICULAR TO CEILING OR FLOOR JOISTS.
- PROVIDE A MINIMUM OF (1) LINE OF SOLID BLOCKING IN ALL WALLS.
- PROVIDE CORNER "LET-IN" 2X4'S BRACING AT ALL CORNERS.
- GENERAL CONTRACTOR TO SUPPLY AND INSTALL ALL TEMPORARY AND PERMANENT LATERAL BRACINGS AS REQUIRED FOR SAFE ERECTION AND PERFORMANCE OF THE ROOF WOOD JOISTS AS REQUIRED BY THE JOIST MANUFACTURER AND AS SHOWN ON THE DRAWINGS
- SUBMIT COMPLETE SHOP DRAWINGS FOR ALL WOOD PREFAB JOISTS SHOWING MEMBER SIZES, SPECIES, GRADE, MOISTURE CONTENT, SPAN, CAMBER, DIMENSIONS, CHORD PITCH, BRACING REQUIREMENTS AND LOADINGS. SHOP DRAWINGS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OHIO.

NEW RESIDENCE

FOR
PETER & SHERRY ANSTED
1200 DYRE ROAD
CANTON, OHIO 44702

REVISIONS		
NO.	DESCRIPTION	DATE
1	REVIEW	11-23-21
2	PERMITS	2-28-22

DRAWN BY	SCALE
CHECKED BY	1/4" = 1'-0"
DRAWING TITLE	DATE
FOUNDATION PLAN	10-15-21
DRAWING NO.	A100