GENERAL NOTES

FOUNDATION

DESIGN BEARING PRESSURE HAS BEEN ASSUMED TO BE 2000 PSF PRIOR TO CONSTRUCTION. THE GENERAL CONTRACTOR SHALL VERIFY BEARING PRESSURE, AND THAT SETTLEMENT AT THIS PRESSURE WILL BE WITHIN ACCEPTABLE LIMITS.

EXTERIOR FOOTINGS SHALL HAVE A MINIMUM COVER OF 3'-6" FOR FROST PROTECTION.

ALL HIGHER FOOTINGS MUST BE STEPPED DOWN AT 2 HORIZONTAL TO 1 VERTICAL COURSE TO ADJACENT FOOTING TO INSURE EVEN SETTLEMENT OF FOUNDATION.

CONCRETE

CONCRETE SHALL HAVE A MINIMUM CEMENT CONTENT OF 564 POUND PER CUBIC YARD, A MAXIMUM WATER TO CEMENT RATIO OF 0.49, AND OBTAIN A MINIMUM STRENGTH OF 4000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED.

USE 6% +/- 1% ENTRAINED AIR FOR ALL CONCRETE EXPOSED TO WEATHER.

CONCRETE FLOORS SHALL HAVE CONTROL JOINTS AT A MAXIMUM OF 15'-0" EACH WAY.

MASONRY

CONCRETE MASONRY UNITS SHALL BE AS ASTM C90-85, GRADE "N" BRICK PER ASTM C-216-86, GRADE SW TYPE FBS AND MENTOR PER ASTM C270-86, TYPE M.

WOOD

SAWN LUMBER SHALL BE SPRUCE PINE FIR NO. 2 OR BETTER

TRUSSED RAFTERS SHALL BE PER TRUSS PLATE INSTITUTE SPECIFICATIONS FOR PLATE CONNECTED WOOD TRUSSES TPI-85

TOP CHORD:
LIVE LOAD = 25 PSF SNOW
LOAD DURATION FACTOR 1.15
DEAD LOAD = 10 PSF

BOTTOM CHORD:
LIVE LOAD = 10 PSF
DEAD LOAD= 10 PSF
MAXIMUM DEFLECTION SPAN/360 FOR 100%
LIVE LOAD + 50% DEAD LOAD

TRUSS RAFTERS SHALL BE MACHINE STRESS RATED STRUCTURAL LUMBER AS REQUIRED FOR DESIGN LOADS.

ALL EXPOSED LUMBER OR LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED/ WOLMANIZED.

MISCELLANEOUS

SOFFIT AND RIDGE VENTS SHALL SUPPLY OPEN SPACE FOR VENTILATION OF NOT LESS THEN 1/150 OF TOTAL ATTIC SPACE WHICH THEY ARE VENTILATING , PROVIDE SCREENING.

ALL LUMBER EXCEPT TREATED LUMBER SHALL BE A MINIMUM OF 8" ABOVE GRADE.

LOCATION OF CONVENIENCE OUTLETS SHALL BE AS SPECIFIED IN ARTICLE 210.52 AND 210.70 OF THE NATIONAL ELECTRICAL CODE.

ROOFS SHALL HAVE GUTTERS AND DOWNSPOUTS AS REQUIRED FOR PROPER DISCHARGE INTO STORM SEWERS OR ONTO SPLASH BLOCKS AS PERMITTED BY LOCAL CODES.

ALL FLOOR DRAINS SHALL HAVE TRAPS.

THE FINISHED GRADE AROUND THE STRUCTURE SHALL SLOPE AWAY THE FOUNDATION FOR THE ENTIRE PERIMETER. CREATE SWALES AS NECESSARY. IF CLAY OR OTHER IMPERMEABLE SOIL IS ENCOUNTERED, FOUNDATION WATERPROOFING MAY NEED TO BE INCREASED.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH 2013 RESIDENTIAIL OF OHIO FOR ONE AND TWO FAMILY DWELLINGS. AND ALL LOCAL CODES , IF INDICATED ON DRAWINGS OR NOT.

VERIFY ALL DIMENSIONS NOTED ON THE DRAWINGS.

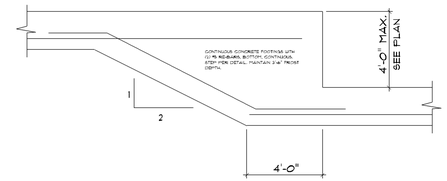
AN OVER VIEW OF THE PLANS SHALL CONDUCTED BY THE CONTRACTOR AND ANY UNCLEAR AREAS OR DISCREPANCIES SHALL BE REPORTED TO THE DESIGNER PRIOR TO BEGINNING CONSTRUCTION.

TL = TYPICAL LINTEL OF (2) 2 X 12 WITH 1/2" X 11-1/4" PLYWOOD BETWEEN CONTINUOUS. FOR 2 X 4 WALLS. (3) 2 X 12 WITH 1/2" X 11 1/4" PLYWOOD BETWEEN FOR 2 X 6 WALLS.

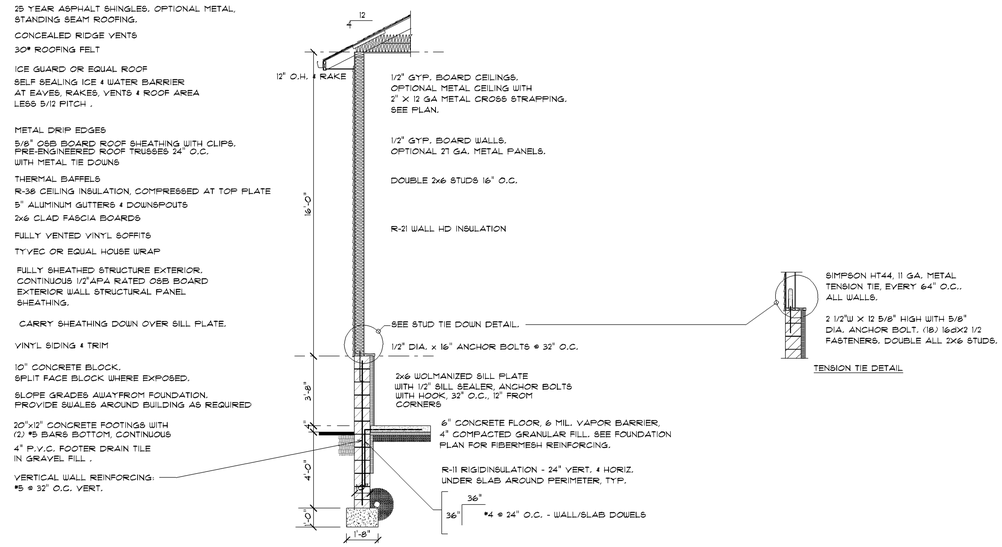
UNLESS NOTED OTHERWISE:
OPENINGS TO 4'-0" = 1 JAMB & 1 KING STUD.
OPENINGS OVER 4'-0" 2 JAMB & 2 KING STUDS

ALL HEADERS AND BEAMS SHALL HAVE FULL BEARING ON POSTS.

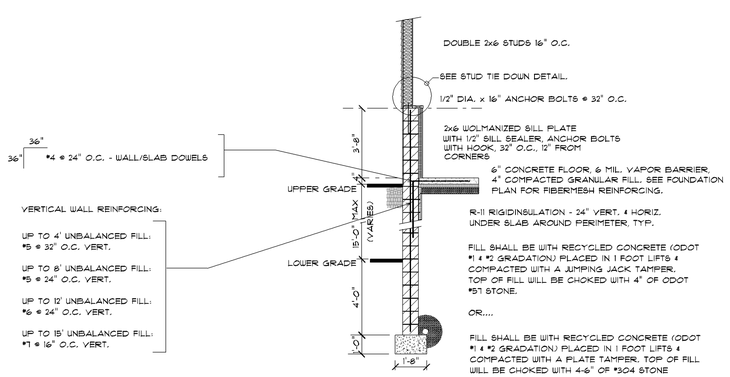
PROVIDE FIRE STOPS OF APPROVED NON-COMBUSTIBLE MATERIAL FOR ELECTRICAL, PLUMBING , HVAC & FLUE PENETRATIONS OF TOP PLATES OF WALLS & FLOORS & CANTILEVERED OVERHANGS.



BUILDING TYPICAL FOOTING STEP
SCALE: 1/2"= 1'-0"

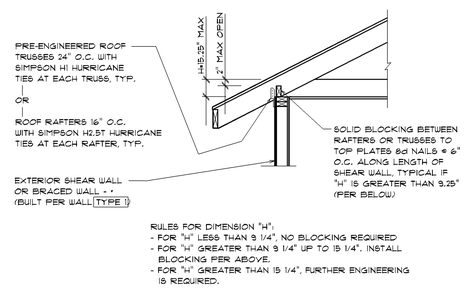


WALL SECTION "A" (AT GRADE)
1/4"=1'-0"



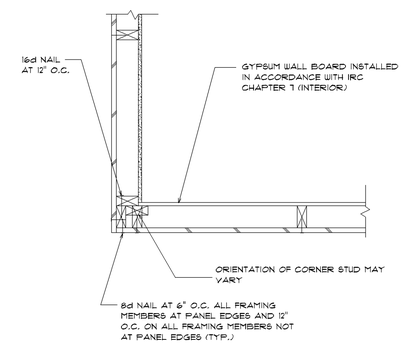
WALL SECTION "B" (AT FILL)
1/4"=1'-0"

DETAILS FOR FULLY CONTINUOS SHEATHING PER 2013 RESIDENTIAL CODE OF OHIO

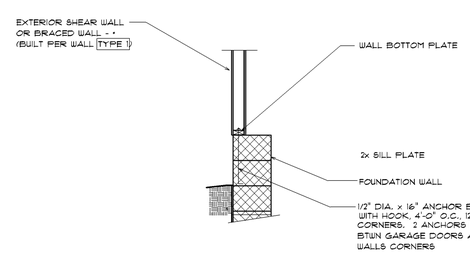


RULES FOR DIMENSION "H",
- FOR "H" LESS THAN 9 1/4", NO BLOCKING REQUIRED
- FOR "H" GREATER THAN 9 1/4" UP TO 15 1/4", INSTALL BLOCKING PER ABOVE.
- FOR "H" GREATER THAN 15 1/4", FURTHER ENGINEERING IS REQUIRED.

EXTERIOR SHEAR WALL CONNECTION TO ROOF FRAMING
1/2"=1'-0"



OUTSIDE CORNER DETAIL



EXTERIOR SHEAR WALL CONNECTION TO SILL PLATE ON FOUNDATION @ GARAGE
1/2"=1'-0"

BRACED WALL CONSTRUCTION SPECIFICATIONS:

EXTERIOR SHEAR WALL CONSTRUCTION REQUIREMENTS (SEE PLAN FOR TYPE LOCATIONS):

TYPE 1 - EXTERIOR WALLS SHALL HAVE CONTINUOUS APA SHEATHING 32/16 1/2" OR 15/32" EXPOSURE 1 WITH 8D COMMON NAILS AT 6" O.C. AT EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. INTERIOR FINISH (DRYWALL OR METAL NOT RELIED ON FOR SHEAR CAPACITY).

TYPE 2 - EXTERIOR WALLS SHALL HAVE CONTINUOUS APA SHEATHING 32/16 1/2" OR 15/32" EXPOSURE 1 WITH 10D COMMON NAILS AT 6" O.C. AT EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. INTERIOR FINISH (DRYWALL OR METAL NOT RELIED ON FOR SHEAR CAPACITY).

* NOTE: "SHEAR WALL" AND "BRACED WALL" TERMINOLOGIES ARE EQUAL AND INTERCHANGEABLE ON THIS DRAWING

WALL BRACING NOTE:
THIS FULLY SHEATHED STRUCTURE PER THE 2013 ORC RELIES ON THE SHEATHED EXTERIOR WALLS BUILT IN ACCORDANCE WITH THE REQUIREMENTS LISTED ON THIS PAGE FOR LATERAL STABILITY AND IS CONSIDERED ADEQUATELY BRACED IN ACCORDANCE WITH THE BUILDING CODE. ACCRDING TO A PERFORATED SHEAR WALL ANALYSIS PERFORMED BY THE ENGINEER OF RECORD FOR THIS STRUCTURE, NARROW WALL BRACING METHODS HAVE BEEN DETERMINED AS NOT REQUIRED AND THEREFORE ARE NOT SHOWN ON THIS DRAWING.

STATE OF OHIO
BRIAN T. HENGLE
68683
REGISTERED
PROFESSIONAL ENGINEER

PROPOSED ACCESSORY BLDG. FOR BOYAS EXCAVATING, INC

979 TOP-O-HILL DRIVE
BATH, OHIO

ISSUE:
OCT. 12, 2015

PREPARED FOR:

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SHEET
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