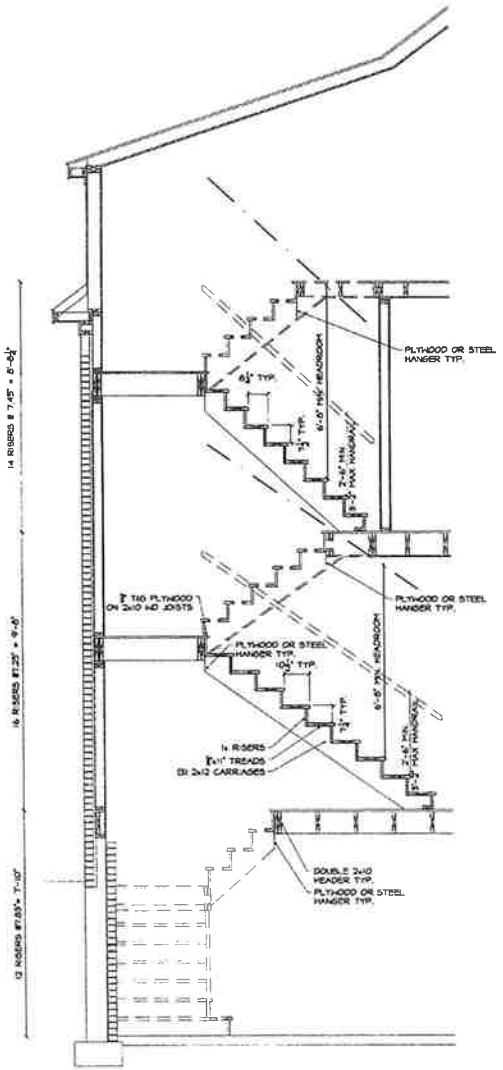


STAIR SECTION

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

WOOD SPECIFICATIONS

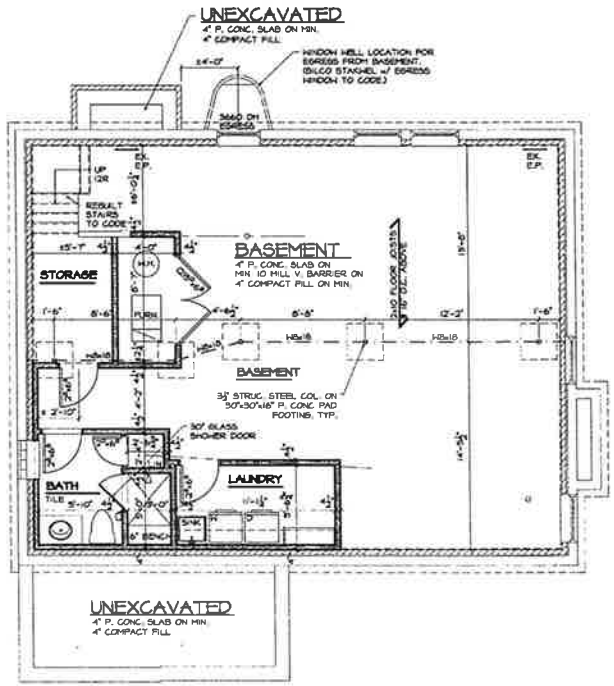
1. WOOD CONSTRUCTION SHALL BE GOVERNED BY THE LATEST EDITIONS OF THE AITC MANUAL AND NDA (NATIONAL DESIGN STANDARDS AS PUBLISHED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION, 1991 EDITION).
2. LAMINATED VENEER LUMBER (SUCH AS MICRO LAM) SHALL BE 1¾" WIDE AND HAVE THE FOLLOWING STRUCTURAL PROPERTIES: Fb=2850 PSI, Fv= 285 PSI, E=2,000,000 PSI.
3. LAMINATED WOOD BEAMS (GLU-LAMS) SHALL BE VISUALLY GRADED WESTERN SPECIES 24F-V8 AITC DESIGNATION WITH THE FOLLOWING STRUCTURAL PROPERTIES: Fb=2400 PSI, Fv= 165 PSI, E= 1,800,000 PSI.
4. STUDS SHALL BE SPF/STUD (NAPA) OR BETTER GRADE, U.N.O. AT MC 19% MAXIMUM.
5. STRUCTURAL DIMENSION LUMBER AS HEADERS AND JOISTS SHALL BE A MINIMUM OF #2 HEM FIR AT MC 19% MAXIMUM.
6. ALL STRUCTURAL LUMBER IN CONTACT WITH CONCRETE OR MASONRY, OR LESS THAN 8" ABOVE GRADE SHALL BE PRESSURE TREATED TO A MINIMUM OF 0.40 POUNDS PER CUBIC FOOT RETENTION WITH AMMONIACAL COPPER ARSENATE (ACA), OR CODE APPROVED EQUAL FOR USE.
7. ALL LUMBER AT OR BELOW GRADE SHALL BE PRESSURE TREATED TO A MINIMUM OF 0.60 POUNDS PER CUBIC FOOT RETENTION WITH AMMONIACAL COPPER ARSENATE (ACA), OR CHROMATED COPPER ARSENATE (CCA) OR APPROVED EQUAL TREATMENT.
8. ALL TREATED LUMBER WHICH IS CUT, DRILLED OR NOTCHED SHALL BE FIELD TREATED (BRUSHED ON EXPOSED SURFACES) BY ONE OF THE PRESERVATIVES LISTED ABOVE.
9. AT EACH WALL OPENING ADD ONE HALF THE TOTAL NUMBER OF STUDS DISPLACED TO EACH SIDE OF THE OPENING (FULL HEIGHT) AND ADD 1 JACK STUD BELOW THE HEADER, U.N.O.
10. NOTCHING AND DRILLING OF L.V.L. MEMBERS IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF THE ENGINEER.
11. ALL CONNECTIONS NOT NOTED ON THE DRAWINGS SHALL BE MADE WITH PRE-FABRICATED STEEL HANGERS SIZED FOR THE CARRIED LOAD AND MEMBER SIZE (I.E. A DOUBLE 2X10 MUST HAVE A SIMPSON U-210-2 HANGER (OR EQUAL) ETC.)

CONCRETE SPECIFICATIONS

1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS," EXCEPT AS MODIFIED BY SUPPLEMENTAL REQUIREMENTS.
2. ALL CONCRETE NOT SUBJECT TO AMBIENT TEMPERATURES SHALL HAVE A MINIMUM OF 3000 PSI, 28 DAY COMPRESSIVE STRENGTH, U.N.O., (5.17 LBS. OF CEMENT PER CUBIC YARD MINIMUM (5.5 SACKS) & WATER/CEMENT RATIO NOT TO EXCEED 6 GALLONS PER SACK). EXTERIOR CONCRETE SLABS SHALL HAVE A MINIMUM OF 4000 PSI, 28 DAY COMPRESSIVE STRENGTH, AND 4% AIR ENTRAINMENT.

REINFORCING STEEL SPECIFICATIONS

1. ALL REINFORCING BARS, DOWELS, AND TIES SHALL CONFORM WITH ASTM-615 GRADE 60 REQUIREMENTS AND SHALL BE FREE OF RUST, DIRT AND MUD.
2. ALL WELDED WIRE FABRIC SHALL CONFORM WITH ASTM A-185 AND BE POSITIONED AT THE MID HEIGHT OF SLABS, U.N.O.
3. ALL REINFORCING SHALL BE PLACED AND SECURELY TIED IN PLACE SUFFICIENTLY AHEAD OF PLACING OF CONCRETE TO ALLOW INSPECTION AND CORRECTION, IF NECESSARY, WITHOUT DELAYING THE CONCRETE PLACEMENT.
4. EXTEND ALL REINFORCING BARS A MINIMUM OF 36" AROUND ALL CORNERS AND LAP BARS AT ALL SPLICES A MINIMUM OF 24", U.N.O.
5. WELDING OF REINFORCING STEEL IS NOT ALLOWED.



BASEMENT/FOUNDATION PLAN

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

MICHIGAN RESIDENTIAL CODE 2015 (MRC 2015)

NOTE:
CONTRACTOR TO MEET THE MINIMUM OR EXCEED MUEC 401.2 CODE COMPLIANCE.

NOTE:
CONTRACTOR TO PROVIDE FIRE STOPPING PER MRC 2015 CODE

NOTE:
CONTRACTOR TO VERIFY EXISTING FOUNDATION FOR SUPPORT OF NEW CONSTRUCTION. CONTRACTOR TO NOTIFY ARCHITECT & ENG. WITH SIZE & DEPTH OF EXISTING FOOTING.

NOTE:
PROVIDE SOLID BRIDGING AT JOIST END & EVERY OTHER JOIST SPACE. TYP.

NOTE:
MINIMUM HEADER SIZE TO BE (2) 2x10'S FOR OPENINGS UP TO SIX FOOT IN LENGTH UNLESS NOTED OTHERWISE.

NOTE:
PROVIDE SELF-ILLUMINATED SWITCH AT TOP & BOTTOM OF EACH STAIR, CONTROLLING LIGHT FOR THAT STAIR

NOTE:
PROVIDE PIN OR BLOCKING TO PREVENT DOORS TO OPEN BEYOND 4", PIN OR BLOCK TO REMAIN IN PLACE UNTIL DECK OR LANDING IS CONSTRUCTED OUTSIDE OF DOOR.

NOTE:
CONTRACTOR TO VERIFY ALL DIMENSION PRIOR TO CONSTRUCTION.

NOTE:
CONTRACTOR TO VERIFY WINDOW MANUFACTURER BEFORE ORDERING NEW WINDOWS

NOTE:
CONTRACTOR TO REPAIR ALL WALLS, FLOOR & CEILINGS AS REQUIRED FOR NEW DESIGN.

NOTE:
FOUNDATION REINFORCING SHALL BE GROUNDED PER THE BUILDING AND ELECTRICAL CODES AND A GROUNDING ROD IS TO BE INSTALLED

LEGEND

- (S) ALL NEW & EXISTING SMOKE DETECTOR TO BE HARDWIRED & INTERLINKED TO OTHER DETECTORS
- CMD ALL CARBON MONOXIDE DEVICE MAY BE BATTERY-POWERED, PLUG-IN OR WITHOUT BATTERY BACKUP, WIRED INTO THE DWELLINGS AC POWER LINE WITH SECONDARY BATTERY BACKUP, OR CONNECTED TO A SYSTEM BY MEANS OF A CONTROL PANEL. PER CODE.

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Client:
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851 Livernois
Ferndale, MI 48220

Project Title:
Smith House Renovation
1915 Longfellow
Detroit, MI 48206

Sheet Title:
Basement/ Foundation Plan

Project Number: 21229
Drawn By: SAH
Checked By: MJG
Approved By: MJG
Date: 06-01-2021

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