1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE "AMERICAN CONCRETE INSTITUTE BUILDING CODE" (ACI 318) AND WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING" (ACI 301) LATEST EDITIONS.
2. NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE OR MORTAR.
3. TEST CYLINDERS SHALL BE MADE AND TESTED AS OUTLINED IN CHAPTER OF ACI-301 SPECIFICATION AND/OR SPECIFIED BY GENERAL CONTRACTOR.
4. COLD WEATHER CONCRETING SHALL BE DONE IN ACCORDANCE WITH ACI-306.
HOT WEATHER CONCRETING SHALL BE DONE IN ACCORDANCE WITH ACI-305.
5. WELDING OF REINFORCING BARS WILL ONLY BE ALLOWED WHEN SHOWN ON THE STRUCTURAL DRAWINGS.
6. REINFORCING BARS SHALL BE DEFORMED BARS OF NEW BILLET STEEL CONFORMING TO ASTM SPECIFICATION A-615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. ALL REINFORCING AND ACCESSORIES SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI STANDARDS 315-80 AND 315R-80.
7. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT AT POSITIONS SHOWN ON THE PLANS AND DETAILS. PLASTIC COATED ACCESSORIES SHALL BE USED IN ALL EXPOSED CONCRETE WORK.
8. FOUNDATION WALLS AND GRADE BEAMS SHALL HAVE A MINIMUM OF TWO- #5 BARS TOP AND BOTTOM CONTINUOUS, UNLESS OTHERWISE SHOWN OR NOTED.
9. CONTROL JOINTS FOR SLABS-ON-GRADE SHALL BE IN A SQUARE PATTERN AND BE NOT MORE THAN 20FT. ON CENTER, UNLESS NOTED OTHERWISE ON PLAN.
10. CONCRETE CONTRACTOR SHALL CHECK WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND CONTRACTORS FOR OPENINGS, SLEEVES, ANCHORS, HANGERS, INSERTS, SLAB DEPRESSIONS AND OTHER ITEMS RELATED TO THE CONCRETE WORK, AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR PROPER LOCATION BEFORE PLACING CONCRETE.
11. PITCH CONCRETE SLABS AS REQUIRED TO ALL FLOOR DRAINS.
12. NO ALUMINUM OF ANY TYPE SHALL BE ALLOWED IN THE CONCRETE WORK, UNLESS COATED TO PREVENT ALUMINUM-CONCRETE REACTION. THIS INCLUDES PUMPING THROUGH ALUMINUM PIPE.
13. ELECTRICAL CONDUIT MUST BE PLACED ABOVE THE BOTTOM REINFORCEMENT AND BELOW THE TOP REINFORCEMENT. ELECTRICAL CONDUIT EMBEDDED IN SLABS SHALL NOT BE LARGER THAN 1/3 OF THE SLAB THICKNESS AND SHALL NOT BE SPACED CLOSER THAN THREE CONDUIT DIAMETERS.
14. WHERE AND WHEN CALLED FOR ALL CLEAN GRANULAR FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% OF "ASTM" D-1557-70 (MODIFIED PROCTOR) DENSITY.
15. CONTRACTOR SHALL PROTECT FOUNDATION AGAINST LATERAL DISPLACEMENT, AND HEAT OR FREEZING CONDITIONS.
16. ALL WELDED WIRE MESH SHALL BE LAPPED TWO FULL MESH PANELS AND TIED SECURELY. WELDED WIRE MESH SHALL CONFORM TO "ASTM" A-185 SPEC.
17. ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED OF LAITANCE WITH A WIRE BRUSH AND WATER IMMEDIATELY PRIOR TO POURING OF SUBSEQUENT OR NEW CONCRETE.
18. ALL NORMAL WEIGHT CONCRETE (145 PCF) SHALL OBTAIN A MINIMUM 28-DAY COMPRESSIVE STRENGTH AS FOLLOWS:
SPREAD FOOTINGS 3000 PSI
FOUNDATION WALLS 3000 PSI
SLABS-ON-GRADE 3000 PSI

THE CONTRACTOR MUST CHECK ALL DIMENSIONS, DETAILS AND JOBSITE CONDITIONS AND BE RESPONSIBLE FOR THEM. THIS FIRM SHALL NOT BE HELD RESPONSIBLE FOR CONSTRUCTION METHODS OR MEANS BY THE CONTRACTOR AND OR ANY SUBCONTRACTOR AND THEIR TRADESMEN.

ALL TRADES MUST CONFORM TO CURRENT EXISTING CODES APPLYING TO THIS PROJECT. CONTRACTORS TO VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE EXECUTING ANY WORK. REPORT ANY DISCREPANCIES AT ONCE. DO NOT SCALE DRAWINGS USE FIGURED DIMENSIONS ONLY.

ALL BEDROOMS SHALL HAVE AT LEAST ONE "EGRESS WINDOW" SEE CODE BOOK.

UNIT GLASS AND/OR MULTIPLE UNIT GLASS SHALL BE INSULATED TEMPERED SAFETY GLASS PER ANSI SPECS.

RAILINGS: HANDRAILS HAVING MIN. AND MAX. HEIGHTS OF 34 INCHES AND 38 INCHES, RESPECTIVELY, MEASURED VERTICALLY FROM THE NOSING OF THE TREADS, SHALL BE PROVIDED ON AT LEAST ONE SIDE OF STAIRWAY OF THREE OR MORE RISERS AND SHALL EXTEND 6 INCHES BEYOND THE TOP AND BOTTOM RISERS. ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS.

OPEN SIDES OF STAIRS WITH A TOTAL RISE OF MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDRAILS. HANDRAILS THAT FORM PART OF A GUARDRAIL SHALL BE 34 INCHES MIN. AND 38 INCHES MAX.

THE HAND GRIP PORTION OF THE HANDRAILS SHALL BE NOT MORE THAN 2 5/8" IN CROSS-SECTIONAL DIMENSION, OR THE SHAPE SHALL PROVIDE AND EQUIVALENT GRIPPING SURFACE. THE HAND GRIP PORTION OF HANDRAILS SHALL HAVE A SMOOTH SURFACE WITH NO SHARP CORNERS. HANDRAILS PROJECTING FORM A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1 1/2 INCHES BETWEEN THE WALL AND THE HANDRAIL.

PORCHES, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDRAILS NOT LESS THAN 36 INCHES IN HEIGHT. HANDRAILS THAT FORM PART OF A GUARDRAIL SHALL BE 36 INCHES MIN. AND 38 INCHES MAX. REQUIRED GUARDRAILS ON OPEN SIDES OF STAIRWAYS, RAISED FLOOR AREAS, BALCONIES AND PORCHES SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL CLOSURES WHICH DO NOT ALLOW PASSAGE OF AN OBJECT 4 INCHES OR MORE IN DIAMETER.

ENCLOSED ACCESSIBLE SPACES UNDER STAIRS SHALL HAVE THE WALLS, UNDER STAIR SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH A MINIMUM OF 1/2 INCH GYPSUM BOARD.

DOUBLE FRAMING MEMBERS AROUND OPENINGS AND BELOW PARALLEL PARTITIONS.

MAINTAIN MINIMUM OF 2 INCH CLEARANCE BETWEEN FLUES AND FRAMING.

FIRE STOP SOFFITS AND STAIR STRINGERS AT TOPS AND BOTTOMS WITH APPROVED MATERIALS.

FILL CAVITIES BETWEEN FLOORS AND BETWEEN OTHER FIRE SEPARATED ZONES WITH APPROVED FIRE STOPPING MATERIALS.

ALL UNDIMENSIONED WALLS ARE 4 1/2" FINISHED (2x4 STUDS WITH GYPSUM BOARDS EACH SIDE) UNLESS OTHERWISE NOTED.

DOUBLE JOISTS UNDER ALL PARALLEL WALLS ABOVE BEARING AND NONBEARING, JOISTS MAY BE SPREAD TO EACH SIDE OF WALL TO ALLOW PLUMBING TO PASS THROUGH.

☒ DENOTES 3-2x4 SPIKED TOGETHER OR 4x4 POST, CONTINUOUS TO FOUNDATION WALL, STEEL BEAM OR WOOD BEAM.

ALL JOIST AND RAFTERS TO BE CANADIAN SPRUCE PINE FIR #1/#2. ARCHITECT IS TO BE NOTIFIED IMMEDIATELY IF SPECIES IS TO BE CHANGED.

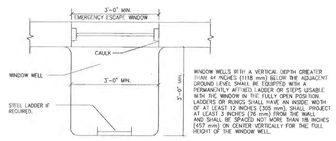
ELECTRICAL SYMBOLS:

- $ — SINGLE POLE TOGGLE SWITCH
- $3 — THREE POLE TOGGLE SWITCH
- DUPLEX RECEPTACLE AT 12" A.F.F. UNLESS OTHERWISE NOTED.
- DUPLEX RECEPTACLE AT 12" A.F.F. UNLESS OTHERWISE NOTED, ONE SIDE SWITCHED.
- CONDUIT RUN CONCEALED ABOVE CEILING
- R — RECESSED LIGHT FIXTURE
- EB — 4" DIA. EYE-BALL RECESSED LIGHT FIXTURE
- CEILING LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- WALL MOUNTED LIGHT SCONCE FIXTURE
- P/C — FLUORESCENT LIGHT FIXTURE ON P/C OR SWITCH
- CEILING EXHAUST FAN PER OWNER/CONTRACTOR. VENT DIRECTLY TO OUTSIDE.

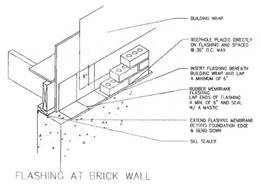
PROVIDE A MIN. OF R5 VALUE INSULATED DUCT WORK FOR EXHAUST FANS IN UNHEATED ATTIC SPACE

- MOTOR
- [S] — SMOKE DETECTOR, ALL SMOKE DETECTORS TO BE WIRED IN SERIES WITH BATTERY BACKUP
- [S]-[C] — SMOKE DETECTOR/CARBON MONOXIDE DETECTOR
- [J] — CEILING FAN JUNCTION BOX CAPPED
- [DC] — DOOR CHIME
- [T] — THERMOSTAT
- PHONE
- TELEVISION

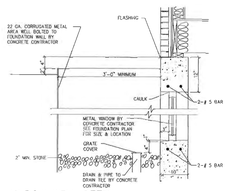
ELECTRICAL CONTRACTOR NOTE:
1. VERIFY WITH OWNER WHICH SWITCHES ARE TO BE ON DIMMERS.
2. CABLE AND TELEPHONE JACKS TO BE LOCATED BY OWNER ON SITE.
3. PROVIDE ARC. FAULT PROTECTION IN ALL BEDROOMS PER 1999 N.E.C.
4. ALL CEILING OUTLET ELECTRICAL BOXES SHALL BE CAPABLE OF SUPPORTING CEILING FANS
5. ALL METAL PIPING SYSTEMS, METAL PARTS OF ELECTRICAL EQUIPMENT, AND PUMP MOTORS ASSOCIATED WITH THE WHIRLPOOL TUB SHALL BE BONDED TOGETHER USING A COPPER BONDING JUMPER NO SMALLER THAN A NO. 8 SOLID



ESCAPE WINDOW



FLASHING AT BRICK WALL

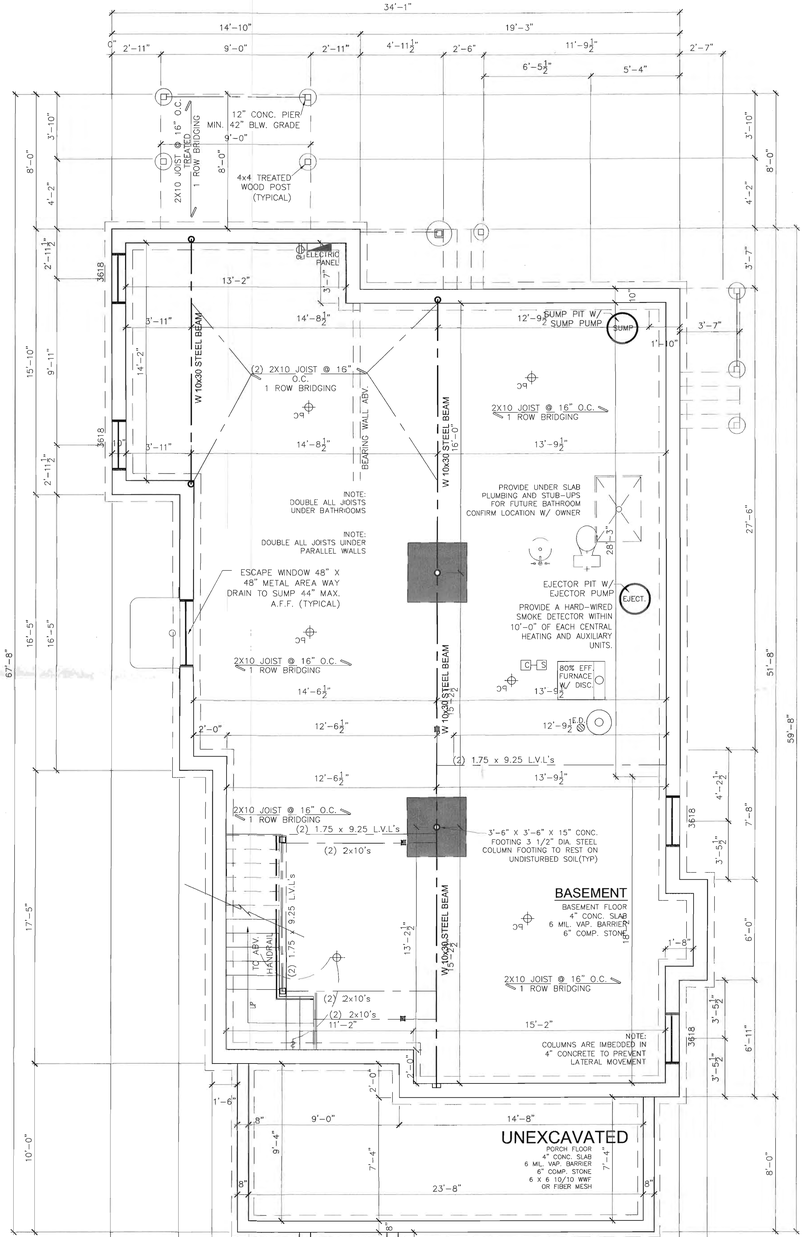


WINDOW WELL DETAIL

BASEMENT FLOOR PLAN 1/4" = 1'-0"

NOTE:
1. FOR ROOF FRAMING, REFER TO TO ROOF PLAN
2. PROVIDE A MIN. OF (2) 2x12's WITH 1/2" PLYWOOD FLITCH PLATE HEADERS AT ALL 2x4 FRAMED OPENINGS UNLESS OTHERWISE NOTED 3. PROVIDE LATERAL BLOCKING IN ALL BEARING AND EXTERIOR WALLS UNLESS NOTED OTHERWISE
4. ALL MATERIAL SELECTIONS AND FINISHES SHALL BE SELECTED BY OWNER
5. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR COMPACTED FILL HAVING A MINIMUM ASSUMED ALLOWABLE BEARING CAPACITY OF 3000 PSF TO BE VERIFIED BY OWNER'S SOIL AGENCY PRIOR TO CONSTRUCTION.
6. ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED BY A SOILS TESTING LABORATORY PRIOR TO PLACEMENT OF CONCRETE.
7. ALL COMPACTED FILL SHALL BE PLACED IN LAYERS NOT EXCEEDING 12", AND COMPACTED TO A MINIMUM DENSITY OF 95% UNDER FOOTINGS, 90% UNDER SLABS AND PAVEMENTS, OBTAINED IN ACCORDANCE WITH ASTM D-1557-78 (COHESIVE SOILS).
8. ALL SLAB-ON-GRADE AREAS SHALL BE PROOF ROLLED. ALL SOFT SPOTS ENCOUNTERED SHALL BE REMOVED AND REPLACED TO FINISHED GRADE WITH APPROVED FILL MATERIAL. FILL MATERIAL FOR ALL SLAB AREAS SHALL BE PLACED IN LAYERS NOT EXCEEDING 9", AND COMPACTED TO A MINIMUM DENSITY OF 90%, OBTAINED IN ACCORDANCE WITH ASTM D-1557-78 (COHESIVE SOILS).

■ B.P. = BEARING POINT
■ B.P.A. = BEARING POINT ABV.



BASEMENT FLOOR PLAN 1/4" = 1'-0"

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PROJECT

Two Story Residence for Westwood Dr. Orland Park, IL.

ILLINOIS LICENSED ARCHITECT
IAN JAMES McDONNELL
001-020866
STATE OF ILLINOIS

EXP DATE:
ISSUE

DATE 3.12.2013
JOB # 2013-92
SHEET A-2.0

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