

- IN NEW CONSTRUCTION SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER SOURCE FROM THE BLOG. WRINGS AND SHALL BE EQUIPPED W/BATTERY BACK-UP AND LOW BATTERY SIGNAL. SMOKE ALARMS SHALL BE LOCATED IN EACH SLEEPING ROOM, AND ON EACH STORY AND BASEMENT FOR DWELLIAMS WITH MORE THAN ONE STORY, SMOKE ALARMS FALL BE INTERCONCETED SO THAT ACTUATION OF ONE ALARMS WITHOUT HE ALARMS WITHIN THE RODIVIDUAL DWELLINGS WITH CALL THE ALARMS WITHIN THE RODIVIDUAL DWELLINGS WITH
- FOR NEW CONSTRUCTION REQUIRED CARBON MONOXIDE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHERE SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE AND SHALL BE EQUIPPED WITH A BATTERY BORK-UP, ALARM WIRING SHALL BE DRECTLY CONFICE TO THE FERRAL SOURCE AND SHALL BE USEFUL AND A DISCONNECTING SWITCH OTHER THAN AS REQUIRED FOR OVER CURRENT PROTECTION.
- EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL LIGHT BY MEANS OF EXTERIOR GLAZED OPENINGS IN ACKNOWLANCE WITH LARK IC RISPS TO BE ANALLED PROVIDED WITH ARTIFICIAL LIBERT THAT IS ADEQUATE TO PROVIDE AN AVERAGE ILLUMINATION OF 10 FOOT CANDLES OVER AREA OF THE ROOM AT A HEIGHT OF 30 NICES AROVE THE FLOOR LIVEL.
- IN EVERY BEDROOM AND BASEMENT, PROVIDE ONE OPERABLE ESCAPADE WINDOW MEETING ALL OF THE FOLLOWING: A) AN OPPRABLE AREA OF NOT LESS THAN 5.7 SO FT.
  B) A HINMHUM CLEAR RIGIGAT OF 24" C) A MINIMUM CLEAR WIDTH OF 20"
- PROVIDE ATTIC ACCESS, 30"x22" MIN, W/ 30" MIN, HEADROOM, ABOVE OPENING

DI A SILL HEIGHT NOT OVER 44" ABOVE THE FLOOR

- 6 WALL HEATER WITH SET BACK THERMOSTAT W/ 35 000 BTU HEATER SHALL BE CAPABLE OF MAINTAINING A MINIMUM ROOM TEMPERATURE OF 68°F AT A POINT 3 FEET ABOVE THE FLOOR AND 2 FEET FROM EXTERIOR WALLS IN ALL HABITABLE ROOMS AT THE DESIGN TEMPERATURE
- PROVIDE 70" INCH HIGH NON-ABSORBENT WALL ADJACENT TO TUB/SHOWER AND APPROVED SHATTER-RESISTANT
- 7 PROVIDE TO MICH HIGH NON-ABSIDERNI WALL ADJACENT TO TURS/HOWER AND APPROVED SHATTER. RESSITANT MATERIALS FOR SHOWER PERIODISE. BALLS ABOVE BATHIUBS WITH A SHOWERHEAD, AND SHOWER COMPARTMENTS SHALL BE FRISHED WITH A NON-SEDRENT SURFACE SUCH WALL SURFACES SHALL EXTEND TO A HERRIT OF MOT LESS THAN EFET ABOVE THE FLOOR R39372.

  -FLAZARIO NEXTLOSHES FOR OR WALLS FAKING HOT TURS, WHRLPOOLS, SAUNAS, STEAM ROOMS BATHIUBS AND SHOWERS WHERE THE BOTTOM FLOOR FOR THE GLAZING IS LESS THAN 60 MICHES HEASURED VERTICALLLY ABOVE ANY CHANGES OF THE GLAZING IS LESS THAN 60 MICHES HEASURED VERTICALLY ABOVE ANY
- BATHROOM FIXTURES PER OWNER. TOILETS SHALL NOT USE MORE THAN 1.6 GALLONS PER FLUSH TUBS-SHOWERS SHALL HAVE A PRESSURE BALANCE OR A THERMOSTATIC MIXING VALVE.

  -PROVIDE ULTRA FLUSH WATER CLOSETS FOR ALL NEW CONSTRUCTIONS EXISTING SHOWER HEADS AND TOILETS.
- MUST BE ADAPTED FOR LOW WATER CONSUMPTION . ADAPTED FOR LOW WALTER COISOUPPION -PROVIDE 15" MIN. BETWEEN THE CENTER OF WATER CLOSET TO ANY SIDE WALL. (CALIF. PLUMB. CODE 407.6) -PROVIDE 2"-CLEAR SPACE IN FRONT OF ANY WATER CLOSET. (CALIF. PLUMB. CODE 407.6)
- WATER HEATER, EARTHQUAKE STRAP PER CODE, WATER HEATER MUST BE STRAPPED TO WALL (SEC. 507.3 1/2
- 10 PROVIDE LIGHT SWITCH ACTIVATED EXHAUST FAN CAPABLE OF PROVIDING 50 CFM.

  -BATHROOM EXHAUST FAN HUST BE ENERGY STAR RATED, DUCTED TO TERMINATE OUTSIDE THE BUILDING, MUST BE CONTROLLED BY A HUMDISTAT WHICH SHALL BE READLY ACCESSIBLE AND CAPABLE OF ADJUSTMENT BETWEEN
- PROVIDE RANGE HOOD CAPABLE OF PROVIDING 100 CFM, DUCTED TO TERMINATE OUTSIDE THE BUILDING
- MIN 1 GECLELECT OUTLET PER COUNTER SPACE OVER 12" IN WIDTH MAX 48" BETWEEN OUTLETS @ COUNTER
- 13 PROVIDE FLUORESCENT LIGHTING FIXTURES PER 2008 N.E.C.
- 14. PROVIDE DRYER EXHAUST DUCT SHALL BE 4" DIA. AND LENGTH SHALL BE LIMITED TO 14"-0 W/ 2 ELBOWS. THE DUCT LENGTH SHALL BE REDUCED BY 2 FT. FOR EVERY ELBOW IN EXCESS OF 2.
- 15 EVERY DWELLING UNIT SHALL BE PROVIDED WITH A WATER CLOSET, LAVATORY, BATHTUB OR SHOWER, AND A KITCHEN (8:366.1 AND R306.2)
- KITCHEN SINKS, LAVATORIES, BATHTUBS, SHOWERS, BIDETS, LAUNDRY TUBS AND WASHING MACHINE OUTLETS SHALL BE PROVIDED WITH HOT AND COLD WATER AND CONNECTED TO AN APPROVED WATER SUPPLY (R306.4
- 17 PLUMBING FIXTURES ARE REQUIRED TO BE CONNECTED TO A SANITARY SEWER OR TO AN APPROVED SEWAGE DISPOSAL SYSTEM (R306.3)
- 18 DUCTS SHALL BE SIZED PER CHAPTER 6 OF THE MECHANICAL CODE
- 19 ALL INTERIOR AND EXTERIOR STAIRWAYS SHALL BE ILLUMINATED (R303.6). ALL STAIRWAYS SHALL HAVE AN
- 20 GLAZING IN THE FOLLOWING LOCATIONS SHALL BE SAFETY GLAZING CONFORMING TO THE HUMAN IMPACT LOADS OF
- SECTION R3083 ISEE EXCEPTIONS I R306 4:

  A FIXED AND OFFICERELE PANELS OF SWINGING, SLUING AND BLFOLD DOOR ASSEMBLIES.
  B. GLAZANIG IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24, INCH ARC OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES
- ABOVE THE FLOOR OR WALKING SURFACE.
  C. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL THAT MEETS ALL OF THE FOLLOWING CONDITIONS: 1) EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQUARE FEET
  - 2) BOTTOM EDGE LESS THAN 18 INCHES ABOVE THE FLOOR. 3) TOP FOGE GREATER THAN 36 INCHES ABOVE THE FLOOR

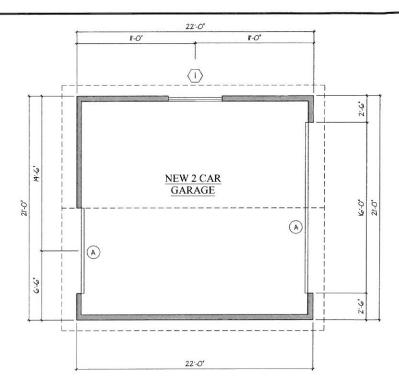
- 3) TOP EDG GREATER THAM 28 MORES ABOVE THE FLOOR
  4,0 ONE OR PIORE WALKING SURFACES WITHIN 36 INCHES HORIZONTALLY OF THE GLAZING.
  D. GLAZING IN RAILINGS.
  E. GLAZING IN EXELUSINES FOR OR WALLS FACING HOT TUBS, WHITLEOOLS, SAUMAS, STEAM ROOMS, BATHTUBS AND SHOWERS WHERE THE BOTTOM FOR WALLS AND SHOWERS WHERE THE BOTTOM FORCE OF THE GLAZING IS LESS THAM 60 MORES MEASURED WERTICALLY ABOVE ANY STANDING OR WALKING SURFACE.
  F. GLAZING IN WALLS AND FERMES ADJACENT TO MODOR AND OUTDOOR SWIMMING POOLS, HOT TUBS AND SPAS WHERE THE BOTTOM FLOG OF THE GLAZING IS LESS THAM 60 MORES ADDVE A WALKING SURFACE AND WITHIN 60 MORES, MEASURED HORIZONTALLY AND IN A STRAIGHT LINE OF THE WATER'S EDGE.
  G. GLAZING ADJACENT TO STANDAYS, LANDINGS AND RAIPS WITHIN 30 MORES HORIZONTALLY OF A WALKING SURFACE WHEN THE SURFACE OF THE GLAZING IS LESS THAM 60 MORES ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE WHEN THE SURFACE OF THE GLAZING IS LESS THAM 60 MORES ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE.
- LE. H. GLAZING ADJACENT TO STAIRWAYS WITHIN 60 INCHES HORIZONTALLY OF THE BOTTOM TREAD OF A STAIRWAY. IN ANY DIRECTION WHEN THE EXPOSED SURFACE OF THE GLAZING IS LESS
- HANDRAILS SHALL SATISFY THE FOLLOWING:
- 21 HANDARIA SHALL SATISET THE FOLLOWING
  ALP PROVINCE CONTINUOUS HANDRIALS ON BOTH SIDES FOR STAIRS W/A OR MORE RISERS. EXCEPTION STARMAYS
  44 N. OR LESS IN WIDTH MAY HAVE ONE HANDRAL EXCEPT THAT SUCH STARMAYS OPEN ONE ONE OR BOTH SIDES SHALL
  HAVE HANDRALS PROVINCE ON THE OPEN SIDE OR SURES
  BI HANDRALS HALL BE 31 OF BIN ABOVE THE MOSING OF TREADS.
  (1 OPENING BETWEEN INTERMEDIATE BALLSTEP SHALL PRECLUDE THE PASSAGE OF A 4 IN DIAM SPIFERE THE
  TRIANGULAR OPENING FORMED BY THE RISER, AND TREAD AND BOTTOM ELEMENT OF HANDRAL SHALL PRECLUDE THE
  PASSAGE OF A 6 IN DIAM SPIFERE.

  FITCHIS AND SPIRES.

  STITIONAL DIVENSION

- SECTIONAL DIMENSION

  E) RETURN HANDRAIL TO NEWEL POST OR WALL
- 22 DUCTS PENETRATING THE WALLS OR CEILINGS SEPARATING THE DWELLING FROM THE GARAGE SHALL BE CONSTRUCTED DE A MINIMUM NO. 26 GAGE SHEET STEEL OR OTHER APPROVED MATERIAL AND THERE SHALL BE NO. OPENINGS FROM THE DUCTS INTO THE GARAGE (R302.5.2).
- OTHER PENETRATIONS OF GARAGE/DWELLING CEILINGS AND WALLS ARE TO BE PROTECTED AS REQUIRED BY
- 24 GARAGE FLOOR SURFACES SHALL BE OF AN APPROVED NONCOMBUSTIBLE MATERIAL, AND THE AREA USED TO PARK VEHICLES SHALL BE SLOPED TO A DRAIN OR TOWARD THE MAIN VEHICLE ENTRY (R309.1).
- 28. PROVIDE 2X6 STUDS IN PLUMBING WALLS TO PREVENT NOTCHING OR BORING OF STUDS (SECTION 2309.010, 2309.011 IBC)
- 26 NEW TOP PLATE TO MATCH EXISTING.
- 27. PROVIDE ADECUATE CLEARANCES OF ELECTRICAL SERVICE DROP CONNECTORS (WIRES) (ART-230-24)- ART-630-3 NEC)
- 28. PROVIDE 32" WIDE DOORS TO ALL INTERIOR ACCESSIBLE ROOMS



## **NEW FLOOR PLAN**

## **LEGEND**

NEW 2X4 STUD @ 16"

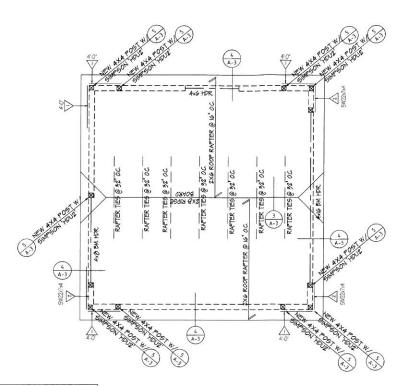
- (SD) SMOKE ALARM SHALL BE INTERCONNECTED HARDWIRE WITH BATTERY BACK-UP. TYPICAL
- SEE KEYNOTE I

  CARBON MONOXIDE ALARM SHALL BE INTERCONNECTED, HARDWIRE WITH BATTERY BACKUP
  SEE KEYNOTE 2
- F PROVIDE LIGHT SWITCH ACTIVATED EXHAUST FAN CABABLE OF PROVIDING BO OFM SEE

## Footing Notes

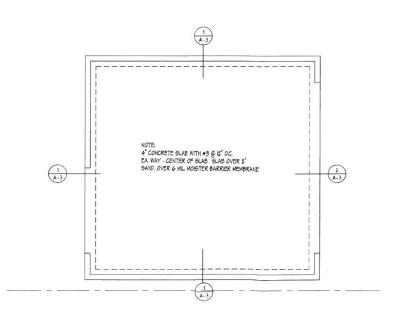
footing systems on expansive soil, if located in area designated by the locat jurisdiction, shall be constructed in a manner that will minimize damage to the structure from movement of the soil (expansive soil req. wil supercede).

- 1. depth of footing below the natural and finished grades shall not be less than 12" for exterior and 12" for
- 2. exterior walls and interior bearing walls shall be supported on continuous footing.
- 3. footings shall be reinforced with four 1/2" dia. (min.) deformed reinforcing bars. lower bars shall be placed 4 inched from the bottom of the footing and upper bars within 4 inches from the top of the footing, reinforcement not exceeding 5/8" shall have a minimum 1-1/2" concrete cover when not cast against earth (3" clear from earth).
- 4. concrete floor slabs on grade shall be placed on a 4-inch fill of course aggregate or on a 2-inch sand bed covered with a minimum 6 mil moisture barrier membrane. the slabs shall be at least 3-1/2" thick and shall be reinforced with 3/8" diameter deformed reinforcement bars, reinforcing bars shall be spaced at intervals not exceeding 12" each way.
- 5. the soil below an interior concrete slab shall be saturated with moisture to a depth of 18" prior to
- 6. all drainage adjacent to footing shall be conducted away from the structure for 3-0" to slope away from the structure at min. 3%.



1/2" C-DX PLYWOOD SHEATHING, INDEX 41/2,
W/ 8J COMMON NAILS @6"/6"/12" O.C. PLYWOOD PANELS SHALL BE APPLIED WITH THE FACE GRAIN AT RIGHT ANGLES TO THE SPAN OF THE ROOF RAFTERS.W/ RADIANT BARRIER

FOUNDATION PLAN



FOUNDATION PLAN



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ADDITION AND REMODEL FOR BLAZEVICH RI
660 MIRA N
LONG BEACH, C

DATE NOVEMBER 23, 2015

REVISIONS	BY
PROJECT MANAGER	EA
DESIGNER	RL
PRINCIPAL	RL

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