

GENERAL NOTES

REGULATIONS & STANDARDS

ALL WORK & MATERIALS SHALL CONFORM TO THE 2012 EDITIONS OF THE IRC, IPC, IMC, IBC & 2012 IEC.

THIS PROJECT SHALL COMPLY WITH ALL LOCAL & STATE REGULATIONS. THE CONTRACTOR SHALL OBTAIN THIS INFORMATION DIRECTLY FROM THE LOCAL BUILDING DEPARTMENT & REGULATORY AGENCIES.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE PERFORMING ANY WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ERRORS & OMISSIONS IN THE DRAWINGS WHEN PERFORMING THE WORK. THE CONTRACTOR SHALL NOTIFY THE DESIGNER OF ANY ERRORS OR OMISSIONS, WHERE DISCREPANCIES APPEAR, THE MORE STRINGENT SHALL APPLY. DETAILS & CONSTRUCTION NOT SPECIFICALLY SHOWN SHALL BE PER IBC "CONVENTIONAL BUILDING STANDARDS".

CHANGES FROM APPROVED PLANS DURING CONSTRUCTION OTHER THAN 1) CABINET CHANGES WHEN NOT BEING SUPPORTED ENTIRELY BY THE ROOF STRUCTURE, 2) INTERIOR DOOR AND FIREPLACE RELOCATION SHOWN ON THE APPROVED PLAN, 3) A SINGLE NONBEARING WALL RELOCATION WHEN NOT CREATING AN ADDITIONAL ROOM, AND 4) INTERIOR NONSTRUCTURAL WALL FINISHES, SHALL CAUSE PLAN APPROVAL AND CONSTRUCTION TO BE SUSPENDED, A NEW PLAN CHECK (FOR A NEW PLAN SHOWING CHANGES) WILL BE SUBMITTED FOR REVIEW AND APPROVAL THROUGH THE NORMAL PLAN CHECK PROCESS."

PROVIDE CONSTRUCTION SITE ADDRESS. 'APPROVED NUMBERS OR ADDRESS SIGNS' SHALL BE PROVIDED FOR AT CONSTRUCTION SITE. THEY SHALL BE VISIBLE FROM STREET. ALL NUMBERS AND NAME SIGNS SHALL BE MAINTAINED TO THE SATISFACTION OF THE FIRE MARSHAL AND BUILDING OFFICIAL.'

- CHECK WITH THE LOCAL BUILDING DEPARTMENT FOR ALLOWABLE DESIGN LOADS & SOIL TYPES WHICH MAY DIFFER FROM THE 2012 IRC FOR YOUR SPECIFIC PROJECT. WHERE HIGH WATER TABLES OR WEAK SOIL CONDITIONS EXIST, TAKE APPROPRIATE MEASURES.
- ALL BEARING FOOTINGS SHALL EXTEND A MINIMUM OF 12" INCHES INTO FIRM NATURAL & UNDISTURBED SOIL, OR APPROVED COMPACTED FILL. WHERE FILL IS ENCOUNTERED, APPROPRIATE MEASURES SHALL BE TAKEN TO INSURE APPROVED COMPACTION SUITABLE FOR INTENDED USE. THE CONTRACTOR SHALL CONSULT WITH THE LOCAL BUILDING DEPARTMENT. NON-BEARING FOOTINGS SHALL EXTEND A MINIMUM OF 12" INCHES INTO THE SUBGRADE.
- WALLS OF BASEMENTS & FLOORS BELOW GRADE SHALL HAVE APPROVED WATERPROOF MEMBRANE AND DRAINAGE AWAY FROM FOOTINGS OR TO APPROVED DRAINAGE SYSTEM, AS OCCURS
- UNLESS OTHERWISE SPECIFIED, ALL CONCRETE SHALL BE 2500 PSI AT 28 DAYS AND SHALL CONFORM TO IRC SECTION R402.2 ACI 318 CONCRETE REQUIRED FOR HOLDDOWNS.
- READY-MIX CONCRETE SHALL CONFORM TO IRC STANDARD AND ACI 318
- REINFORCING STEEL SHALL BE GRADE "B" DEFORMED BARS CONFORMING TO IRC STANDARD ACI 318. REINFORCING STEEL SHALL BE ACCURATELY PLACED AND ADEQUATELY SUPPORTED BEFORE CONCRETE IS PLACED AND SHALL BE SECURED AGAINST DISPLACEMENT WITHIN PERMITTED TOLERANCES.
- ELECTRICALLY WELDED WIRE MESH (EWM) SHALL CONFORM TO IBC STANDARD AND ACI 318
- ALL AGGREGATE SHALL BE COMPARABLE TO IRC AND ACI 318
- DRYPACK SHALL BE COMPOSED OF ONE PART PORTLAND CEMENT TO NOT MORE THAN THREE PARTS SAND
- ANCHOR BOLTS, DOWELS, INSERTS ETC. SHALL BE SECURELY TIED IN PLACE PRIOR TO POURING CONCRETE
- LOCATION OF CONSTRUCTION JOINTS OR POUR JOINTS SHALL BE APPROVED BY THE GENERAL CONTRACTOR PRIOR TO POURING CONCRETE.
- CONCRETE SHALL BE CURED BY KEEPING CONTINUOUSLY WET FOR (10 DAYS) OR BY AN APPROVED CURING COMPOUND. CURING SHALL BE AS PER ACI 318
- ALL REQUIRED FILL AND BACK FILL SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DENSITY OBTAINABLE BY THE A.S.T.M. DESIGNATION (D-1557-07) METHOD OF COMPACTION
- UNDER ALL INTERIOR CONCRETE SLABS ON GRADE, PROVIDE A 6 MIL VISQUEEN MOISTURE BARRIER MEMBRANE OVER 4" CRUSHED ROCK UNLESS NOTED OTHERWISE

FOUNDATION AND CONCRETE

COMMON WIRE NAILS

- JOISTS OR RAFTER TO SILL OR GIRDER
TOE NAIL ----- 3-8d
- BRIDGING TO JOIST
TOE NAIL EA. END ----- 2-8d
- 1x6 SUBFLOOR OR LESS TO EA. JOIST
FACE NAIL ----- 2-8d
- INDER 1x6 SUBFLOOR OR LESS TO EA. JOIST
FACE NAIL ----- 3-8d
- 2" SUBFLOOR OR LESS TO EA. JOIST
BLIND AND FACE NAIL ----- 2-16d
- SOLE PLATE TO JOIST OR BLOCKING
FACE NAIL ----- 16d @ 16" o/c
AT BRACED WALL PANEL ----- (3)16d @ 16" o/c
- TOP PLATE TO STUD
END NAIL ----- 2-16d
- STUD TO SOLE PLATE
END NAIL ----- 2-16d
TOE NAIL ----- 4-8d
- DOUBLE STUDS
FACE NAIL ----- 16d @ 24" o/c
- DOUBLED TOP PLATES
FACE NAIL ----- 16d @ 16" o/c
LAP SPLICE ----- 3-16d
- BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE
TOE NAIL ----- 3-8d

- RIM JOIST TO TOP PLATE
TOE NAIL ----- 8d @ 6" o/c
- TOP PLATE, LAPS AND INTERSECTIONS
FACE NAIL ----- 2-16d
- CONTINUOUS HEADER, TWO PIECES
ALONG EACH EDGE ----- 16d @ 16" o/c
- CEILING JOISTS TO PLATE
TOE NAIL ----- 3-8d
- CONTINUOUS HEADER TO STUD
TOE NAIL ----- 4-8d
- CEILING JOISTS LAPS OVER PARTITIONS
FACE NAIL ----- 3-16d
- CEILING JOISTS TO PARALLEL RAFTERS
FACE NAIL ----- 3-16d
- RAFTER TO PLATE
TOE NAIL ----- 3-8d
- 1" BRACE TO EACH STUD AND PLATE
FACE NAIL ----- 2-8d
- 1x6 SHEATHINGS OR LESS TO EA. BEARING
FACE NAIL ----- 3-8d
- WIDER THAN 1x8" SHEATHING TO EA. BEARING
FACE NAIL ----- 3-8d
- BUILT-UP CORNER STUDS ----- 16d @ 24" o/c
- BUILT-UP GIRDER AND BEAMS
AT TOP AND BOTTOM AND STAGGERED ----- 20d @ 32" o/c
AT ENDS AND AT EACH SPLICE ----- 2-20d

NAILING SCHEDULE

CHEMICAL TOILET IS REQUIRED ON-SITE DURING CONSTRUCTION PER IPC

WHEN BUILDING PAD IS TO BE BROUGHT UP MORE THAN 6" ABOVE SURROUNDING NATURAL GRADE OR COMPACTIONS OTHERWISE REQUIRED PROVIDE COPIES OF ANY COMPACTION OR SOILS ANALYSIS REPORT TO THE BUILDING DEPARTMENT PRIOR TO THE FOUNDATION INSPECTION

CONTRACTOR TO FIELD VERIFY BUILDING LOCATION ON SITE AND ALL SETBACK REQUIREMENTS PRIOR TO ANY WORK.

GENERAL NOTES

- IT SHALL BE THE OWNER'S RESPONSIBILITY TO TRANSFER ALL SIZED MEMBER'S CONNECTIONS AND SPECIAL DETAILS FROM ANY CALCULATIONS TO THE PLANS EITHER BY HIMSELF OR THE DRAFTSPERSON WHO PREPARED THE PLANS.
- IT SHALL BE THE OWNER'S RESPONSIBILITY TO INSURE THAT THE CONSTRUCTION CONFORMS TO THE STRUCTURAL CALCULATIONS.
- PRIOR TO ORDERING ANY MATERIAL, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND FIELD CONDITIONS.
- ANY FIELD CONDITIONS FOUND TO BE UNUSUAL OR OTHER THAN THOSE USED IN THESE CALCULATIONS SHALL BE REPORTED TO THIS ENGINEER PRIOR TO CONSTRUCTION.
- ALL CONSTRUCTION SHALL CONFORM TO THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE, THE MOST CURRENT EDITION ADOPTED BY THE COUNTY OR CITY WHERE THIS CONSTRUCTION SHALL OCCUR. NOTHING IN THESE CALCULATIONS IS INTENDED TO CONFLICT WITH THOSE PROVISIONS. ANY CONFLICT SHALL BE BROUGHT TO THIS ENGINEER'S ATTENTION.
- THE STRUCTURAL CALCULATIONS SHALL BECOME A PART OF THE PLANS AND ANY APPLICABLE SPECIFICATIONS FOR THE PROPOSED PROJECT. IN CASE OF CONFLICT, THE STRUCTURAL CALCULATIONS SHALL GOVERN. ANY CONFLICT SHALL BE BROUGHT TO THIS ENGINEER'S ATTENTION.
- THE STRUCTURAL CALCULATIONS SHALL BE CONSIDERED VALID ONLY WHEN AN ORIGINAL SIGNATURE IS AFFIXED IN INK.
- ALL FOUNDATION SHALL BE PLACED ON A MINIMUM OF 12" INTO NATURAL, UNDISTURBED SOIL. ALL SOIL TO BE 45% COMPACT PRIOR TO PLACEMENT OF CONCRETE. SEE RECOMMENDATIONS IN SOILS REPORT FOR FURTHER INFORMATION.
- ALL COLUMNS AND POSTS TO BE INSTALLED WITH ICB0 APPROVED CAPS AND BASES OR AS SPECIFIED HEREIN.
- USE TWO TRIMMER MINIMUM IN ALL BEARING WALLS WITH OPENINGS 48" OR GREATER OR AS SPECIFIED HEREIN.
- WHERE POST AND COLUMNS ARE CALLED OUT FOR BEAM SUPPORT, THE LOAD IS TO BE TRANSFERRED THE FULL LENGTH TO THE FOUNDATION VIA VERTICAL GRAIN MEMBERS ONLY, UNLESS AN APPROVED OR DESIGNED COLUMN OR POST SPLICE AT FLOORS IS SHOWN OR DESIGNATED HEREIN.
- MINIMUM HEADER SIZE SHALL BE 4x12 DF#2 IN 4" LOAD BEARING WALLS, AND 6x12 DF#2 IN 6" LOAD BEARING WALLS, OR AS SPECIFIED HEREIN.
- ANY SHEAR CONNECTION ARE FOR THE PORTIONS OF THE WALLS IDENTIFIED AND ARE CONTINUOUS FROM TOP TO BOTTOM PLATES. STUDS SHALL BE PLACED A MAXIMUM OF 16" O.C.
- ALL CONTINUOUS FOOTINGS SHALL HAVE A MINIMUM OF TWO #4 CONTINUOUS REINFORCING BARS, ALL PIERS OF ISOLATED FOOTINGS SHALL HAVE A MINIMUM OF #4 REINFORCING BARS AT 8" O.C. IN BOTH DIRECTIONS UNLESS OTHERWISE NOTED. CONNECTORS FOR PRESSURE TREATED LUMBER SHALL BE HOT-DIPPED GALVANIZED.

OTHER: SEE CONTINUATION OF NOTES ON RESPECTIVE DRAWINGS THAT FOLLOW (eg Electrical & Mech).

GENERAL CONSTRUCTION REQUIREMENTS

- ALL LUMBER SHALL CONFORM TO 2013 IRC STANDARDS
- ALL 2x4 FRAMING SHALL BE DF#2 OR BETTER UNLESS OTHERWISE SPECIFIED.
- 2x6 STUDS AND OTHER WALL FRAMING SHALL BE "No.2" OR BETTER UNLESS OTHERWISE SPECIFIED.
- 4x POSTS OR COLUMNS SHALL BE "No.2" OR BETTER UNLESS NOTED OTHERWISE.
- ALL 2x5 AND 4x5 NOT INCLUDED ABOVE SHALL BE "No.2" OR BETTER UNLESS NOTED OTHERWISE.
- 6x5 AND LARGER SHALL BE AS NOTED.
- ALL PLYWOOD SHEETING SHALL BE CDX OR BETTER, UNLESS OTHERWISE NOTED.
- ALL NAILINGS NOT SPECIFIED SHALL BE PER IBC "NAILING SCHEDULE" - TABLE 2304.4.1
- RAFTERS, CEILING JOISTS, AND FLOOR JOISTS TO BE SOLID BLOCKED AT ALL SUPPORTS, ADDITIONALLY, FOR 2x10'S & 2x12'S, SOLID BLOCK AT 8'-0" MINIMUM INTERVALS UNLESS THE PLANS SPECIFICALLY STATE "NO BLOCKING REQUIRED".
- ALL CARPENTRY SHALL CONFORM TO THE CONVENTIONAL LIGHT-FRAME CONSTRUCTION PROVISIONS OF IBC SECTION 2308
- MANUFACTURER SHALL PROVIDE STAMPED ENGINEERING FOR ALL TRUSSED/PREFABRICATED MEMBERS.
- ALL JOIST HANGERS SHALL BE "SIMPSON" OR AN APPROVED EQUAL
- PROVIDE 2x FIRE STOPS AT ALL INTERSECTIONS OF STUD WALLS AND/OR STUD PARTITIONS AT FLOOR, CEILING AND ROOF. FIRE STOPS SHALL BE FULL WIDTH OF THE ENCLOSED SPACE. PLACE FIRE STOPS AT A MAXIMUM SPACING OF (8'-0" O.C.) IN THE VERTICAL DIRECTION. PROVIDE 2x FIRE STOPS IN ALL FINISHED SPACES, VERTICAL AND HORIZONTAL AT A MAXIMUM SPACING OF (8'-0" O.C.) IN BOTH DIRECTION AND AT THE SAME LINE AS FIRE STOPS IN ADJACENT STUD WALLS AND/OR PARTITIONS.
- ALL ROOF PLYWOOD SHEETS SHALL BE 24" WIDE MIN. & SHEAR WALL PLYWOOD SHEETS SHALL BE 24" WIDE MIN.
- ALL FRAMING LUMBER SHALL HAVE 19% MAXIMUM MOISTURE CONTENT AT TIME OF INSTALLATION

ROUGH CARPENTRY

25. 2" PLANKS @ EA. BEARING ----- 16d
- COLLAR TIE TO RAFTER
FACE NAIL ----- 3-10d
- JACK RAFTER TO HIP
FACE NAIL ----- 2-16d
TOE NAIL ----- 3-10d
- ROOF RAFTER TO 2x RIDGE BEAM
FACE NAIL ----- 2-16d
TOE NAIL ----- 2-16d
- JOIST TO BAND JOIST
FACE NAIL ----- 3-16d
- LEDGER STRIP
FACE NAIL ----- 3-16d
- WOOD STRUCTURAL PANELS AND PARTICLEBOARD SUBFLOOR AND WALL SHEATHING (TO FRAMING)
1/2" OR LESS ----- 6d
1/2" TO 3/4" ----- 8d or 6d
3/4" TO 1" ----- 8d or 10d
1 1/8" TO 1 1/4" ----- 10d or 8d
COMBINATION SUBFLOOR-UNDERLAYMENT (TO FRAMING)
3/4" OR LESS ----- 6d
7/8" TO 1" ----- 8d
1 1/8" TO 1 1/4" ----- 10d or 8d

GENERAL NAILING NOTES

- NAILS SHALL BE DRIVEN PERPENDICULAR WHERE POSSIBLE INSTEAD OF TOENAILS.
- ALL NAILS SHALL BE COMMON WIRE NAILS UNLESS NOTED OTHERWISE. ALL NAILING SHALL CONFORM TO 2012 IRC
- NAILING NOT NOTED ON PLANS SHALL BE IN ACCORDANCE TO THE I.R.C. 2012 EDITION
- GREEN VINYL SINKERS DO NOT MEET THE NAILING REQUIREMENTS FOR MOST 'BOX AND COMMON NAIL' CONNECTION
- FASTENERS FOR PRESSURE PRESERVATIVE TREATED WOOD SHALL BE OF HOT DIPPED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. EXCEPTION BEING 1/2" OR GREATER STEEL BOLTS

NOTE:
ELECTRICAL SHALL BE INSTALLED AS PER OWNERS LAYOUT DURING CONSTRUCTION; HOWEVER, ALL ELECTRICAL WORK SHALL COMPLY WITH THE NOTES BELOW.

- ELECTRICAL OUTLET BOXES ON 1 HR. CONSTRUCTED WALLS ARE TO BE STEEL.
- RECEPTACLES IN 1-HR CONSTRUCTED WALLS BETWEEN OCCUPANCIES SHALL HAVE A MIN. OF 24" HORIZONTAL SEPARATION.
- ALL 125 VOLTS, SINGLE PHASE RECEPTACLES INSTALLED IN GARAGES SHALL BE GROUND FAULT CIRCUIT PROTECTED, 2012 I.E.C.
- CONVENIENCE OUTLETS IN GARAGE TO BE MIN. 18" ABOVE FLOOR
- EXTERIOR RECEPTACLES TO BE GFCI/WATERPROOFING PROTECTION PER 2012 I.E.C.
- A MAX. OF 8 RECEPTACLES OR OUTLETS SHALL BE ALLOWED ON EACH 15 AMP CIRCUIT
- ALL RECEPTACLE CIRCUITS SHALL BE WIRED WITH NO.12 CONDUCTORS MIN.
- DISHWASHERS & GARBAGE DISPOSAL SHALL EACH BE HIRED ON INDIVIDUAL CIRCUIT WITH NO. 12 WIRE WITH A 20 AMP. BREAKER.
- ALL LIGHT SWITCHES, THERMOSTATS ETC. TO BE #48" A.F.F. MAX. ALL RECEPTACLES TO BE #15" A.F.F. TYP.
- GENERAL LIGHTING IN BATHS (TUB SHOWER AREA) & KITCHENS MAY NOT BE LESS THAN 75W EQUIVALENT LED
- NOT MORE THAN 10 OUTLETS SHALL BE ON ANY LIGHTING CIRCUIT ON N#14 AWG WIRE
- ALL ENTRY DOOR CHIMES, BELL OR BUZZER @ 148" A.F.F.
- PROVIDE AN ILLUMINATED ADDRESS
- PHONE, CABLE TV, ALARM ETC SHALL BE DETERMINED BY THE OWNER IN THE FIELD
- ALL RECESSED LIGHTS SHALL BE I.C. RATED, AS PER 2012 IEC
- SPECIALTY LIGHTINGS, TRACK LIGHTINGS, INDIRECT LIGHTINGS, ETC. SHALL BE DETERMINED BY THE OWNER IN THE FIELD.
- RECEPTACLE SHALL BE IN MECHANICAL CLOSETS AND /OR WITHIN 25' OF ROOF MOUNTED EQUIPMENT
- PROVIDE DISCONNECT SWITCH AT ALL A/C COMPRESSOR UNITS AND ANY OTHER EQUIPMENT AS REQUIRED BY NEC. OR MANUFACTURERS INSTALLATION INSTRUCTIONS
- ALL OUTLETS FOR ELECTRIC RANGE, OVENS, DRYERS AND ETC. SHALL BE 4-WIRE CIRCUIT.
- BATHROOMS TO BE SUPPLIED BY A DEDICATED 20amp SERVICE FOR RECEPTACLES, FANS, LIGHTS ETC TO BE ON SEPARATE CIRCUIT
- ALL REQUIRED LED LIGHTS SHALL BE NON-SCREW IN TYPE.
- TWO 20amp SMALL APPLIANCE BRANCH CIRCUITS ARE REQUIRED FOR THE KITCHEN AND ARE LIMITED TO SUPPLYING WALL AND COUNTER SPACE OUTLETS FOR THE KITCHEN, PANTRY, BREAKFAST ROOM, DINING ROOM OR SIMILAR AREAS. NOTE THESE CIRCUITS CANNOT SERVE OUTSIDE PLUGS, RANGE HOOD, DISPOSALS, DISHWASHERS OR MICROWAVES - ONLY THE REQUIRED COUNTERTOP/WALL OUTLETS INCLUDING THE REFRIGERATOR.
- ALL METAL WATER PIPE AND ABOVE GROUND GAS PIPE SHALL BE BONDED AS PER 2012 I.E.C.
- ALL FIXTURES ABOVE OR ADJACENT TO TUB/SHOWER AREAS SHALL BE MOISTURE PROOF AS PER 2012 I.E.C.
- LIGHT FIXTURES IN CLOSETS OR STORAGE ROOMS SHALL BE LED FIXTURES WITH OPEN OR PARTIALLY ENCLOSED LAMPS AND PENDANT FIXTURES OR LAMPHOLDERS, MINIMUM CLEARANCE FROM LIGHT FIXTURE TO NEAREST POINT OF STORAGE SHALL BE 12"
- ALL BRANCH CIRCUITS THAT SUPPLY 125-VOLT SINGLE-PHASE, 15 AND 20 AMPERE OUTLETS (IE RECEPTACLES, LIGHTS, SMOKE ALARMS, ETC.) INSTALLED IN DRINKING UNIT BEDROOMS SHALL BE PROTECTED BY ARC-FAULT CIRCUIT
- PROVIDE A DEDICATED 20-AMP BRANCH CIRCUIT SHALL BE PROVIDED TO SUPPLY THE LAUNDRY RECEPTACLE OUTLET 2012 I.E.C. WITH NO OTHER OUTLETS OFF THIS CIRCUIT
- AN APPROVED, INDEPENDENT MEANS OF DISCONNECT FOR THE ELECTRICAL SUPPLY TO EACH PIECE OF EQUIPMENT SHALL BE PROVIDED IN SIGHT OF THE EQUIPMENT SERVED WHEN THE SUPPLY VOLTAGE EXCEEDS 50 VOLTS
- ALL SMOKE ALARMS SHALL EMIT A SIGNAL WHEN THE BATTERY IS LOW PER 2012 I.R.C.
- PROVIDE A 120 VOLT SERVICE RECEPTACLE LOCATED WITHIN 25' OF AND ON THE SAME LEVEL AS, THE EQUIPMENT FOR MAINTENANCE. THE SERVICE RECEPTACLE SHALL NOT BE CONNECTED ON THE LOAD SIDE OF THE REQUIRED MEANS OF DISCONNECT
- A PERMANENT SWITCH CONTROLLED LIGHTING SHALL BE INSTALLED FOR MAINTENANCE OF EQUIPMENT REQUIRED BY THIS CODE TO BE ACCESSIBLE OR READILY ACCESSIBLE, SUCH LIGHTING SHALL PROVIDE SUFFICIENT ILLUMINATION TO SAFELY APPROACH THE EQUIPMENT AND PERFORM THE TASKS FOR WHICH ACCESS IS PROVIDED. CONTROL OF THE LIGHTING SHALL BE PROVIDED AT THE ACCESS ENTRANCE. EXCEPTION: WHEN FIXED LIGHTING OF THE BUILDING WILL PROVIDE THE REQUIRED ILLUMINATION, SEPARATE ILLUMINATION IS NOT REQUIRED
- LED WATTAGE SHALL BE APPROXIMATELY 1.2 TIMES THE GROSS KITCHEN FLOOR AREA AND DISTRIBUTED TO LIGHT ALL TASK AREAS
- PROVIDE HIGH EFFICIENCY GENERAL LIGHT OVER ISLAND IN KITCHEN
- ELECTRICALLY CONDUCTIVE MATERIALS SUCH AS METAL WATER PIPING AND ABOVE GROUND METAL GAS PIPING SHALL BE BONDED TO THE SUPPLY SYSTEM GROUNDING CONDUCTOR IN A MANNER THAT ESTABLISHES AN EFFECTIVE PATH FOR FAULT CURRENT PER 2012 I.E.C.
- METAL UNDERGROUND GAS PIPES SHALL NOT BE USED AS A GROUNDING ELECTRODE PER 2012 I.E.C.
- PERMANENTLY LABEL EACH DISCONNECT, CLEARLY IDENTIFY THE CIRCUITRY THAT IS CONTROLLED BY THE DISCONNECT
- 50% OF INSTALLED LIGHTING WATTAGE IN KITCHENS SHALL BE HIGH EFFICACY LED AND SWITCHED INDEPENDENT FROM ALL OTHER LIGHTS
- PERMANENTLY INSTALLED LIGHTING BATHROOMS, UTILITY ROOMS, GARAGES AND LAUNDRY ROOMS SHALL BE HIGH EFFICACY LIGHTING AS PER ENERGY STANDARDS SECTION 150 (k) 3. PERMANENTLY INSTALLED LIGHTING IN ALL OTHER INTERIOR SPACES SHALL BE HIGH EFFICACY LIGHTING OR CONTROLLED BY A MANUAL ON MOTION SENSOR OR DIMMERS AS REQUIRED
- EXTERIOR LIGHTING ATTACHED TO ALL BUILDING ON LOT SHALL BE HIGH EFFICACY OR PHOTO SENSOR/OCCUPANCY SENSORS REQUIRED. ALL EXTERIOR LIGHTING SHALL BE MOISTURE PROOF TYPE.
- RECESSED LIGHTING: WHEN INSTALLED IN INSULATED CEILINGS MUST BE BOTH TYPE IC (INSULATED COVERED) AND RATED AIRTIGHT. LEAKAGE RATINGS OF LESS THAN 2.0 AT 15 PASCAL
- ELECTRONIC BALLAST ARE REQUIRED FOR ALL LED LUMINARIES 13 WATT OR GREATER
- PROVIDE ARC FAULT CIRCUIT INTERRUPTER, COMBINATION TYPE, AT ALL 125 VOLT, 15amp AND 20amp BRANCH CIRCUITS SUPPLYING BEDROOMS PER 2012 I.E.C.
- OTHER METAL PIPING, WHERE INSTALLED IN OR ATTACHED TO A BUILDING OR STRUCTURE, METAL PIPING SYSTEM, INCLUDING GAS PIPING, SHALL BE BONDED TO THE SERVICE EQUIPMENT ENCLOSURE, THE GROUNDING CONDUCTOR AT THE SERVICE, THE GROUNDING ELECTRODE CONDUCTOR AT THE SERVICE, OR TO THE ONE OR MORE GROUNDING ELECTRODES USED. SIZE BONDING JUMPER SHALL BE ACCESSIBLE, 2012 I.E.C.
- ALL HIGH EFFICACY FIXTURES AND NON-HIGH EFFICACY FIXTURES SHALL BE SWITCHED SEPARATELY
- ALL SWITCHES ON A MULTIPLE SWITCHED CIRCUIT SHALL BE CONTROLLED BY THE DIMMER SWITCH ON THAT CIRCUIT
- PERMANENTLY INSTALLED LIGHTING IN CLOSETS GREATER THAN 10sf SHALL BE HIGH EFFICACY LUMINARIES PER IBC PART 6 ENERGY CODE SECTION 150 (k) 4 EXCEPTION 3
- LIGHTS OVER BATHROOM SINKS PROVIDE A MANUAL-ON OCCUPANCY SENSOR AND MOTION SENSOR THAT COMPLIES WITH I.E.C. SECTION 119(d) AND SHALL NOT HAVE A CONTROL THAT ALLOWS THE LUMINARIES TO BE TURNED ON AUTOMATICALLY OR THAT HAS AN OVERRIDE ALLOWING THE LUMINARIES TO BE ALWAYS ON
- KITCHEN COUNTERS TOPS SHALL BE SERVED BY (2) OR MORE 20AMP CIRCUITS PER 2012 I.E.C. ALL RECEPTACLES AT KITCHEN COUNTER TOPS AND ISLANDS TO BE GFI PROTECTED PER 2012 I.E.C.
- SMOKE ALARMS SHALL NOT BE INSTALLED WITHIN A 36" HORIZONTAL PATH FROM THE SUPPLY REGISTER OF A FORCED AIR HEATING OR COOLING SYSTEM AND SHALL BE INSTALLED OUTSIDE OF THE DIRECT AIRFLOW FROM THOSE REGISTERS
- BATHROOM EXHAUST FANS SHALL BE ENERGY STAR COMPLIANT. BATHROOM EXHAUST FANS SHALL HAVE A MINIMUM VENTILATION RATE OF 50cfm. KITCHEN EXHAUST HOODS SHALL HAVE A MINIMUM VENTILATION RATE OF 100cfm.

SEE ELECTRICAL AND LIGHTING PLAN FOR LAYOUT, SYMBOLS AND QUANTITIES.

ELECTRIC SYMBOLS AND NOTES

REVISIONS	BY
4/10/20	AH

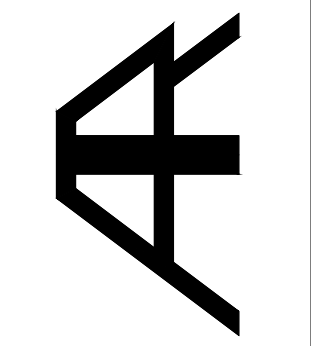
HEN19036A.J

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PROJECT

GENERAL
NOTES

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T-2
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