Ť Z M \bigcirc TRICAL NOTES

GENERAL: FOREGOING GENERAL NOTES SHALL APPLY TO ALL WORK HEREUNDER

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- 5 SCOPE: THE CONT AS SHOWN ON THE BE DEMONSTRATED CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE WORKING ELECTRICAL SYSTEN THE DRAWINGS. IT SHALL, AT PROJECT COMPLETION AND BEFORE FINAL ACCEPTANCE, NED TO HAVE A COMPLETE AND WORKING FUNCTIONAL OPERATION. SYSTEM
- Ņ ALL CODE CODE COMPLIANCE: DE COMPLIANCE: ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA ELECTRICAL (CEC); CALIFORNIA CODE OF REGULATIONS (CCR); CALIFORNIA BUILDING CODE (CBC), OSHA; AND OTHER LAWS, ORDINANCES AND REGULATIONS HAVING JURISDICTION ON THIS WORK.
- 4. THEY ARE USED AND SHALL BEAR THEIR LABEL. UL APPROVAL: ALL MATERIAL AND EQUIPMENT WITHIN THE SCOPE OF THE UL REEXAMINATION SERVICE SHALL BE APPROVED BY THE UNDERWRITERS LABORATORIES FOR THE PURPOSE FOR WHICH
- Ù SUBMITTALS: 9 SUBMIT MANUFACTURER'S DATA FOR LIGHTING FIXTURES, N THE PROJECT. DEVICES, PANELBOARDS, ETC.,
- WORK, 유 SLEEVES AND OPENINGS: HOLES AND SHALL ND OPENINGS: PROVIDE FOR ALL SLEEVES AND OPENINGS REQUIRED BY ELECTRICAL COORDINATE WITH GENERAL CONTRACTOR. ALL OPENINGS AROUND CONDUITS IN SLEEVES HALL BE SEALED WITH A MATERIAL OF EQUAL FIRE RATING AS THE SURFACE PENETRATED.

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- DO ALL CUTTING NECESSARY FOR THE PROPER INSTALLATION OF THIS WORK, AND REPAIR ANY DAMAGE DONE. HOLES THROUGH CONCRETE SLABS OR WALLS SHALL BE CORE DRILLED WITH A DIAMOND DRILL. IN NO CASE SHALL ANY CONCRETE BEAM OR COLUMN BE CUT.
- 7. CONSTRUCTED" DRAWINGS WHICH CLEARLY INDICATE ALL DEVIATIONS FROM THE BASIC CONTRACT DOCUMENTS, INCLUDING LOCATION AND DEPTH FOR ALL STUBBED CONDUITS, LOCATION AND SIZE OF SPARE CONDUITS, CONDUIT ROUTING, AND CONDUCTORS. CIRCUIT NUMBERS FOR ALL DEVICES (NEW AND EXISTING) WITHIN THE AREA OF WORK SHALL BE VERIFIED AND INDICATED ON RECORD DRAWINGS. RECORD DRAWINGS: THE CONTRACTOR SHALL FURNISH TO THE ENGINEER, A COMPLETE SET OF "AS
- ∞ SEISMIC CONDUIT ANCHORAGE: P AND ELECTRICAL PROVIDE COMPLETE BRACING FOR THE LATERAL AND VERTICAL ALL EQUIPMENT, AND REQUIRED BY SECTION 2312 OF THE CBC. SUPPORT OF
- 9. CONDUIT: INTERIOR DRY LOCATIONS ABOVE GROUND SHALL BE GALVANIZED E.M.T. INSTALLED WITH STEEL SETSCREW TYPE INSULATED THROAT CONNECTORS AND COUPLINGS. CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE FLEXIBLE STEEL LIQUID TIGHT CONDUIT, MAXIMUM LENGTH AS SHOWN ON PLANS, WITH PLASTIC BUSHED CONNECTIONS. CONDUITS PENETRATING WALLS, FLOORS, OR CEILINGS IN EXPOSED LOCATIONS SHALL BE INSTALLED WITH APPROPRIATE ESCUTCHEON PLATES. 유
- DEVICES: NOT USED
- DEVICE HEIGHT (TO CENTER OF DEVICE): NOT USED

<u>-</u> 10.

12.

- DEVICE INSTALLATION: NOT USED.
- 13. WRE: WIRE SHALL BE TYPE THWN/THHN, 600 VOLT COPPER, BEARING UL LABEL. ALL CONDUCTORS SHALL BE STRANDED. BRANCH CIRCUIT WIRE SHALL BE #12 UNLESS NOTED OTHERWISE. WIRE COLOR—CODING SHALL MATCH EXISTING, AND SHALL BE NOTED ON AS—BUILT PLANS. BOTH ENDS OF ALL WIRE RUNS SHALL BE LABELED WITH NUMBERED PRESSURE LABELS. SPLICE ONLY IN ACCESSIBLE JUNCTION OR OUTLET BOXES. SCOTCHLOK TYPE CONNECTORS MAY BE USED FOR SIZE #10 WIRE AND SMALLER. WIRING IN PANELS AND CABINETS SHALL BE NEATLY INSTALLED; GROUPED, LACED OR CLIPPED, AND FANNED OUT TO/FROM TERMINALS. COLOR CODING SHALL BE AS FOLLOWS: 480 VOLT—A PHASE—BROWN, B PHASE—ORANGE, C PHASE—YELLOW, NEUTRAL—GREY. 208/120 VOLT—A PHASE—BLACK, B PHASE—RED, C PHASE—BLUE, NEUTRAL—WHITE, GROUND/BOND—GREEN.
- 14. GROUNDING: PROVIDE GROUNDING SYSTEM COMPLYING WITH THE CODES AND ORDINANCES SPECIFIED. GROUNDING SYSTEM SHALL PROVIDE CONTINUITY THROUGH ENTIRE ELECTRICAL SYSTEM. A SEPARATE GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL RECEPTACLE CIRCUIT CONDUIT RUNS; AND TO ALL SUBPANELS, MOTOR CONTROLS AND EQUIPMENT CONNECTIONS, BACK TO SERVING PANELBOARD. ALL GROUNDING CONDUCTORS SHALL BE COPPER, SIZES NOT LESS THAN THAT REQUIRED UNDER C.E.C. REQUIREMENTS. SUBMIT ALL METHODS FOR GROUND CONNECTIONS FOR APPROVAL.
- LIGHTING: NOT USED.

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- 16. DEMOLITION: DISCONNECT AND REMOVE ALL DEVICES, CONDUIT AND WIRE NOT BEING REUSED WITH REMODEL AREAS. DETERMINE FROM OWNER EQUIPMENT TO BE SALVAGED. REMOVE ALL OTHER FROM SITE. SEAL ALL UNUSED FLOOR PENETRATIONS WITH APPROVED FIRE RATED FLUSH THREADED ABANDONMENT PLUG. RECIRCUIT AS REQUIRED TO LEAVE AREAS ADJACENT TO REMODEL IN SERVICE MITHIN
- 17. **EXPOSURE** TO WEATHER: NOT USED

- DISCONNECTS: MOTOR AND CIRCUIT DISCONNECTS SHALL HAVE AN UL LABEL. DISCONNECT SWITCHES SHALL BE SUITABLE FOR AREA WHERE THEY ARE INSTALLED, I.E., WEATHERPROOF, AND SHALL BE RATED HEAVY DUTY. USE ONLY 600 VOLT CLASS WITH PROPER NUMBER OF POLES. SWITCHES SHALL BE FUSED UNLESS INDICATED ON PLANS. FUSES SHALL BE DUAL ELEMENT TIME DELAY UL CLASS RK5, OR PER EQUIPMENT MANUFACTURER'S REQUIREMENTS. PROVIDE ALL DISCONNECTS WITH AN OPERATING HANDLE WHICH IS LOCKABLE BOTH IN THE OPEN AND CLOSED POSITIONS.)E ALL DISCONNECTS WITH AN OPERATING POSITIONS.
- <u>-</u>9. PAINTING: NOT USED.
- 20. PANELBOARDS: NOT USED

21.

- EQUIPMENT CONNECTIONS: MAKE ALL CONNECTIONS OF POWER TO ALL CONTRACTOR AND OWNER FURNISHED EQUIPMENT ALONG WITH INSTALLATION OF REQUIRED DISCONNECTING MEANS. AFTER ALL WIRING TO EQUIPMENT IS COMPLETE, ELECTRICAL CONTRACTOR SHALL COOPERATE IN TESTING EQUIPMENT FOR PROPER OPERATION AND SHALL CORRECT WIRING AS REQUIRED FOR PROPER
- 22. SIGNAL SYSTEMS: NOT USED

E-1 SHE INDEX:

SENERAL ELECTRICAL NOTES

21ST FLOOR ELECTRICAL PLAN

DATE: OCTOBER 6, 2008 JOB #: FC-08-033.05 DESIGNED BY: VM DRAWN BY: CRT SCALE: NONE DWG #: FC33.5E1-SPEC

REVISIONS NO. DATE REVISION

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