

TYPICAL CIRCUIT RELAY COIL CIRCUIT CONTROL RELAY, TYP TYP. CIRCUIT RELAY CONTACT MOTOR, NUMBER INDICATES HP LIGHT, LETTER IN CENTER INDICATES LENS COLOUR SE M · RMOTOR TYPE TIME CLOCK, TYP SCHEMATIC WIRE JUMP POINTS -(A)(A)110 VAC RECEPTACLE, TYP TYPICAL LIGHTING CONTACTOR CIRCUIT NUMBERS SHOWN ARE CONDUIT RUN, CONCEALED CORRELATED WITH CIRCUIT CIR 1 NUMBERS ON THE ELECTRICAL CONDUIT RUN, EXPOSED TYPE PLAN. INTERMEDIATE CIRCUIT NUMBERS ARE NOT DEPICTED FLEXIBLE LIGHT POWER CORD CONDUIT HOME RUN TO PANEL TYPICAL WIRE JUNCTION DOT INDICATES # OF CONDUCTORS FLOURESCENT LIGHT FIXTURE <u></u> GROUND CONNECTION SYMBOL N.O. ELECTRICAL CONTACTS ----TYPICAL TERMINAL BLOCK N.C. ELECTRICAL CONTACTS SWITCH MOUNTED IN FD BOX THERMAL OVERLOAD CONTACTS .THREE PHASE .EFFICIENCY .AMPERE ELEVATION ALTERNATING CURRENT ELECTRIC, ELECTRICAL .ADDENDUM ELEV. .ELEVATION ADJACENT, ADJUSTABLE ..EQUAL PROGRAMMABLE LOGIC CONTROLLER ..EQUIPMENT .ALTERNATE FAHRENHIET AMP. ..AMPERE APPD. ..APPROVE[ FINISHED FLOOR APPROX .APPROXIMAT ..GROUND FAULT CIRCUIT INTERRUPT ARCH. ..GROUND FAULT INTERRUPT .ARCHITECTURA HAND-OFF-AUTO .AUTOMATIC H. O. A .HORIZONTAL .AVERAGE WIRE GAUGE HORIZ. .HORSEPOWER ..HERTZ BETWEEN CENTERS INSIDE DIAMETER ..BETWEEN .BRAKE HORSEPOWER .INCH

INFO.

MAINT

MAN

MATL

MAX. MCB.

MIN.

MECH.

2) CAUTION: THE INSTALLATION AND OPERATION OF ELECTRICAL PRODUCTS UNDERWATER, PRESENTS A POTENTIALLY HAZARDOUS CONDITION, UNLESS THE WORK IS CARRIED OUT BY QUALIFIED LICENSED PERSONNEL IN A CAREFUL AND PROFESSIONAL MANNER AND IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL SAFETY REGULATIONS AND IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS.

3) THE NATIONAL ELECTRICAL CODE (NEC) REQUIRES THE USE OF A CLASS "A" GROUND FAULT CIRCUIT INTERRUPTER (GFCI) ON EACH SUBMERSIBLE EQUIPMENT CIRCUIT ABOVE 15 VOLTS AND THE USE OF A LOW WATER CUTOFF IN EACH SEPARATE BODY OF WATER WHERE EQUIPMENT WHICH DEPENDS UPON SUBMERSION FOR SAFE OPERATION IS PRESENT. USE "THWN" COPPER WIRE WITH A NEUTRAL FOR EACH CIRCUIT PLUS A GROUND WIRE. SEE "NEC" SECTION 680 FOR GROUND DETAILS.

4) ANY LIGHTING FIXTURE POINTING UPWARDS MUST HAVE THE LENS ADEQUATELY GUARDED TO PREVENT CONTACT BY ANY PERSON. "NEC" SECTION 680.

5) A LOW - WATER CUTOFF IS REQUIRED BY "NEC" 680 TO PROTECT UNDERWATER LIGHTS AND ALL SUBMERSIBLE PUMPS FROM OVERHEATING

6) UNDERWATER JUNCTION BOXES ARE REQUIRED BY "NEC" 680 TO BE FILLED WITH A POTTING COMPOUND TO PREVENT ENTRY OF MOISTURE. FILL WITH COMPOUND PRIOR TO FILLING POOL, AND AFTER ALL CIRCUITS HAVE BEEN CHECKED. (SEE IMPORTANT INSTRUCTIONS FOR SUBMERSIBLE JUNCTION BOXES).

FOR THIS PURPOSE.

8) USE A GOOD QUALITY THREAD SEALANT FOR ALL CONDUIT CONNECTIONS, AND PRESSURE TEST THE CONDUIT SYSTEM TO ELIMINATE ALL LEAKS.

9) THE CONTRACTOR IS TO VERIFY ALL FIELD DIMENSIONS THAT MIGHT BE CRITICAL OR AFFECT FOUNTAIN PERFORMANCE, SUCH AS ALL DIMENSIONS REFERENCED TO WATER LEVEL.

10) PULL CORRECT QUANTITY AND SIZE OF WIRES, WITH SEPARATE GROUND, THROUGH CONDUIT. MAKE ALL SPLICES AND CONNECTIONS TIGHT AND WELL INSULATED.

11) INSERT EACH SUBMERSIBLE CORD THROUGH THE BRASS CORD SEALS PROVIDED AND TIGHTEN SECURELY.

12) CONNECT THE GREEN WIRE TO THE GROUND LUG IN THE JUNCTION BOX, THIS IS THE SAFETY GROUND FOR THE EQUIPMENT.

13) DO NOT OPERATE SUBMERSIBLE LIGHTING FIXTURES MORE THAN 10 SECONDS UNLESS COMPLETELY SUBMERGED, OR DAMAGE WILL RESULT.

14) NOT USED.

16) ADEQUATE DRAINAGE MUST BE PROVIDED IN THE EQUIPMENT AREA TO PREVENT FLOODING OF THE EQUIPMENT.

17) ALL EQUIPMENT, MATERIALS AND DEVICES MUST BEAR THE UNDERWRITERS LABORATORIES, INC. (UL) LABEL (OR SHALL BE LISTED WITH U.L.).

18) PROVIDE A GROUNDING ELECTRODE SYSTEM, IN ACCORDANCE WITH "NEC" ARTICLE 250.

19) ALL EXPOSED, NON-CURRENT CONDUCTING METALLIC PARTS OF ANY ELECTRICAL EQUIPMENT, MATERIALS, ETC. SHALL BE GROUNDED IN ACCORDANCE WITH "NEC" ARTICLE 680-54 AND 680-55.

20) ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED BY QUALIFIED PERSONELL IN ACCORDANCE WITH RECOMMENDATIONS OF THE MANUFACTURERS, AND IN ACCORDANCE WITH APPLICABLE FEDERAL AND LOCAL CODES.

21) ALL CONDUIT CONNECTIONS BETWEEN DISSIMILAR METALS SHALL BE MADE WITH DIELECTRIC FITTINGS.

ALL LAYOUT DIMENSIONS ARE FROM PLAN VIEW CALCULATIONS. ACTUAL FIELD DIMENSIONS MAY VARY FROM PLAN DUE TO ACTUAL SITE CONDITIONS OR THIRD DIMENSION DISTANCES.

CIRCUIT BREAKER

..BUILDING

.BOTTOM OF

CENTER TO CENTER

..BRONZE

.. CABINET

.CIRCUIT BREAKER

.CENTER LINE ..CLEAR

COMP

DPDT

.CUBIC FEET PER MINUTE

.COLUMN

..CYCLES PER SECOND

CIRCUIT RELAY

.DIAMETER

..DIMENSION

..DOWN

DOUBLE POLE DOUBLE THROW DOUBLE POLE SINGLE THROW

.DRAWING

.EACH

DIRECT CURRENT

.COMPUTER .CONTINUOUS

.CONDUIT

TYPICAL CIRCUIT BREAKER

MANUALLY OPERATED SWITCH

PUSH BUTTON SWITCH, N.O.

PUSH BUTTON SWITCH, N.C.

ALL EXISTING CONDITIONS ARE SHOWN FOR INFORMATION ONLY.

ALL PROPOSED UTILITY INFORMATION IS SHOWN FOR REFERENCE ONLY. REFER TO THE CIVIL PLANS FOR CONFIRMATION.

THESE DRAWINGS USE A SYSTEM OF KEYNOTES, SYMBOLS, AND ABBRIVIATIONS FOR MATERIAL DESIGNATIONS AND SPECIFIC FUNCTION. THE CONTRACTER SHALL BE FAMILIAR WITH THESE ITEMS PRIOR TO COMMENCING WORK. CONTACT THE ARCHITECT OR CIVIL ENGINEER IF ANY CONFLICTS ARE FOUND.

ALL SYMBOLS ARE SHOWN DIAGRAMMATIC, ILLUSTRATING THE APPROXIMATE LOCATION OF EXISTING AND PROPOSED MATERIALS. ANY DISCREPANCIES OR CONFLICTS BETWEEN EXISTING AND PROPOSED CONDITIONS SHALL BE REPORTED TO THE ARCHITECT OR CIVIL ENGINEER PRIOR TO PERFOMING WORK.

REFER TO THE SPECIFICATONS FOR ADDITIONAL INFORMATION PERTAINING TO THE PROJECT MATERIALS, PROCEDURES, AND INSTALLATION.

WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.

VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED BUILT CONDITIONS. ALL BRACING, TEMPORARY SUPPORTS, AND SHORING NECESSARY FOR CONSTRUCTION ARE THE SOLD RESPONSIBILITY OF THE CONTRACTOR.

DIMENSIONS MARKED "VERIFY" ARE TO BE FIELD MEASURED. ANY DISCREPANCIES FROM TEH NOTED DIMENSION ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR CIVIL ENGINEER Dig Alert! Call 811 on any phone. PRIOR TO CONTINUING WORK.

UNDERWATER LIGHT FIXTURE

TYPICAL SOLENOID VALVE

UNDERWATER JUNCTION BOX

UNDERWATER JUNCTION BOX

ALL ARCHITECTURAL INFORMATION IS SHOWN FOR REFERNECE ONLY. REFER TO THE ARCHITECTURAL DRAWINGS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.

.INFORMATION

JUNCTION BOX

.KILO-VOLTAMPERES

LONG CONTINUOUS LOAD

.MAINTENANCE

..MANUAL

.MATERIAL

.MAXIMUM

MAIN CIRCUIT BREAKER

..MECHANICAL

.MANUFACTURER .MANUFACTURER

....MINIMUM

..NEUTRAL

NOT APPLICABLE

.MISCELLANEOUS

MAIN LUGS ONLY

.NATIONAL BUREAU OF STANDARDS

NORMALLY CLOSED

.NORMALLY OPEN ..NOT TO SCALE

ON CENTER

.NATIONAL ELECTRICAL CODE

..NAT. ELECTRICAL MFG. ASSOC.

..KILOWATTS

INSTALL, INSTALLATION

REFER TO THE CIVIL DRAWINGS FOR ALL UNDERGROUND DRAINAGE, INLET, AND UTILITY LOCATIONS, ELEVATIONS, AND DETAILS. VERIFY THAT ALL UTILITIES DO NOT CONFLICT WITH PROPOSED CONSTRUCTION PRIOR TO WORK.

LAYOUT OF ARCS AND CURVES ARE TO BE SMOOTH AND CONTINUOUS. OBTAIN ARCHITECT OR CIVIL ENGINEER APPROVAL PRIOR TO ALL CONSTRUCTION.

TO EXCAVATING.

CALL US AND GIVE AT LEAST TWO WORKING DAYS NOTICE PRIOR

OUTSIDE DIAMETER

.POINT

PERSONAL COMPUTER

.PROJECT

..REQUIRED

RED BRASS PIPE

REVOLUTIONS PER MINUTE

SINGLE POLE DOUBLE THROW

.SPECIFICATION

..SINGLE POLE SINGLE THROW

.STANDARD

..SWITCH

TIME CLOCK

THREE LETTER ACRONYM

TYPICAL

.UNLESS OTHERWISE NOTED

.UNDERWRITER'S LABORATORIES

.VOLTAMPERES

VOLTS ALTERNATING CURRENT

.VOLTS DIRECT CURRENT

.VENTILATION

..WITH ...WITHOUT

.WATER LEVEL

NOT ALL OF THE ABBRIVIATIONS FOUND HERE

ARE NECESSARILY USED IN THIS PROJECT.

.WATER PROOFING

.VARIES, VARIABLE

VERIFY IN FIELD

.TEMPERATURE

.TURQUOISE

STAINLESS STEEL

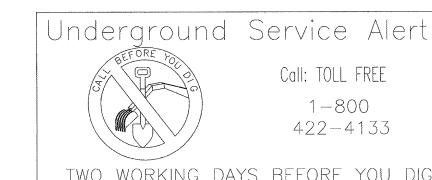
DELINEATE (OUTLINE) THEIR JOB IN WHITE PAINT.

HAND EXPOSE TO THE POINT OF NO CONFLICT WITHIN THE TOLER-ANCE ZONE.

MEMBERS WILL:

MARK OR LOCATE THEIR LINES WITHIN TWO WORKING DAYS OF THE START OF CONSTRUCTION.

USE THE APWA COLOR CODE TO MARK THEIR FACILITIES. BE ACCURATE WITHIN 24 INCHES EITHER SIDE OF THE BURIED FACILITY (TOLERANCE ZONE).



TWO WORKING DAYS BEFORE YOU DIG

McCarthy Building Companies, Inc 343 Sansome Street, 14th Floor San Francisco, California 94104 P 415 | 364-1339 F 415 397-5999





Tel:1(714)526-6606/Fax:1(714)526-6616

www.formosafountains.com

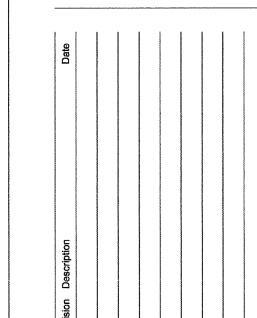
This and all other project documents and all ideas, aesthetics and designs incorporated therein are instruments of service. All project documents are the registered property of LPA, INC. (LPA) and cannot be lawfully used in whole or in part for any project or purpose except as described in the contractual agreement between McCarthy and the District. LPA hereby gives formal notice that any such project document use, reproduction or modification (misuse) is not only unlawful but automatically binds all parties involved with misuse to fully indemnify and defend LPA and LPA's Consultants to the maximum legal extent against all losses, demands, claims a liabilities arising directly or indirectly from project document are not a representation of as-built or existing conditions LPA and LPA's Consultants make no representations concerning the accuracy of documents and are not responsible for any

discrepancies between project documents and the existing

**IDENTIFICATION STAMP** DIVISION OF THE STATE ARCHITECT APPL 9 1 1 0 0 9 7 \_FLS DM SS D.H.

APR 0 9 2009

တ္ထစ္ခ



Description	Date
SA SUBMITTAL	19 SEPT 2008
DSA FINAL	09 APRIL 2009
ومدن والمعروب والمراوية والمعروب	

09 APRIL 2009 Drawn by Checked by FOUNTAIN ELECTRICAL SITE PLAN & NOTES

F0.02