

ELECTRICAL SERVICE

- A. GENERAL: ARRANGE WITH THE UTILITY COMPANY AND THE CUSTOMER FOR A TIMELY INSTALLATION OF THE TEMPORARY ELECTRIC SERVICE (IF REQUIRED) AND PERMANENT ELECTRIC SERVICES. COMPLY WITH AND COORDINATE ALL REQUIREMENTS OF THE UTILITY COMPANY.
- B. CONTRACTOR WILL COORDINATE WITH ELECTRICAL UTILITY SERVICE PROVIDER FOR ALL INSPECTIONS AND METER SET.
- C. ARRANGE FOR AN INSPECTION OF THE ELECTRICAL SERVICE BY THE AUTHORITY HAVING JURISDICTION. OBTAIN A CERTIFICATE OF INSPECTION IF POSSIBLE FROM THE JURISDICTION. FURNISH A COPY OF THE CERTIFICATE TO THE CUSTOMER WITH THE HANDOFF PACKAGE AND A COPY TO THE UTILITY COMPANY.
- D. COORDINATE METER SOCKET REQUIREMENTS WITH THE ELECTRIC UTILITY AS REQUIRED.
- E. GROUNDING: PROVIDE GROUNDING ELECTRODE SYSTEM FOR THE SERVICE, PER THE NEC, PER UTILITY COMPANY REQUIREMENTS, AND AS INDICATED.
- F. SHORT CIRCUIT RATINGS: PROVIDE EQUIPMENT WITH HIGHER FAULT CURRENT RATINGS AS NEEDED TO MATCH UTILITY COMPANY AVAILABLE FAULT CURRENT.

TESTING EQUIPMENT

- A. ALL TEST EQUIPMENT SHALL BE CALIBRATED PER MANUFACTURER SPECS. CALIBRATION CERTIFICATES WILL BE PROVIDED TO CUSTOMER.

COLOR CODES

- A. LAMINATED PLASTIC TAGS REQUIREMENTS:
 1. WHITE BACKGROUND WITH BLACK LETTERING
 2. SECURE TAGS WITH STAINLESS STEEL TIES
 3. TAGS SHALL BE STAMPED ON ONE SIDE ONLY
 TAGS STAMPING SHALL BE WITH TEXT HEIGHT OF 5 / 16" OR LARGER

EQUIPMENT CONNECTIONS

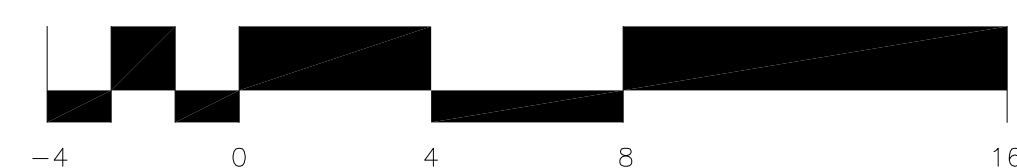
- A. VERIFICATION: OBTAIN AND REVIEW SHOP DRAWINGS, PRODUCT DATA AND MANUFACTURER'S INSTRUCTIONS FOR EQUIPMENT FURNISHED BY OTHERS. EXAMINE ACTUAL EQUIPMENT TO VERIFY PROPER CONNECTION LOCATIONS AND REQUIREMENTS.
- B. NAMEPLATES: PROVIDE NAME PLATE ENGRAVER WITH EQUIPMENT DESIGNATION FOR EACH SAFETY SWITCH, PANEL BOARD, TRANSFORMER, MOTOR STARTER, AND ALL OTHER EQUIPMENT, ETC., USING LAMINATED PLASTIC WITH WHITE BACKGROUND & BLACK LETTERING.
- C. UNDERGROUND WARNING TAPE: DURING TRENCH BACK FILLING FOR EACH UNDERGROUND ELECTRICAL, TELEPHONE, SIGNAL AND COMMUNICATIONS LINE, PROVIDE A CONTINUOUS UNDERGROUND WARNING TAPE LOCATED DIRECTLY ABOVE LINE, AT TWELVE INCHES BELOW FINISHED GRADE.
- D. MARK EACH JUNCTION AND PULL BOX INDICATING SOURCE DESIGNATION AND CIRCUIT NUMBER(S) FOR THE ENCLOSED CONDUCTORS USING LAMINATED PLASTIC WITH WHITE BACKGROUND & BLACK LETTERING.
- E. ALL CONDUITS SHALL BE TAGGED/IDENTIFIED INSIDE ALL PULL BOXES, J-BOXES, AND CABINETS WITH P-TOUCH TYPE PRINTED LABELS (1 / 2" LABEL, WHITE FACE WITH BLACK LETTERING).
- F. LOAD CENTER CIRCUIT DIRECTORIES: AT COMPLETION OF PROJECT, ACCURATELY COMPLETELY EACH PANEL BOARD CIRCUIT DIRECTORY CARD, IDENTIFYING LOAD SERVED, "SPARE" OR "SPACE" FOR EACH CIRCUIT POLE. WHEN MODIFYING, ADDING, OR DELETING CIRCUITS AT AN EXISTING PANEL BOARD, UPDATE THE EXISTING (OR PROVIDE NEW) CIRCUIT DIRECTORY CARD TO ACCURATELY REFLECT FINAL CONDITIONS.

CHECKOUT, TESTING AND ADJUSTING

- A. POWER CONDUCTORS: CONTRACTOR SHALL CONDUCT A CONTINUITY & INSULATION TEST ON CONDUCTORS BETWEEN SERVICE DISCONNECT SWITCH & POWER CABINET.

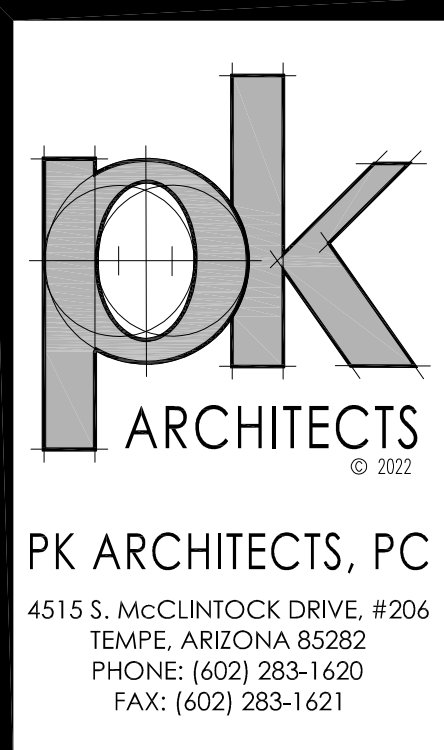
CLEANING AND TOUCH-UP PAINTING

- A. GENERAL: PERIODICALLY REMOVE FROM THE PROJECT SITE ALL WASTE, RUBBISH AND CONSTRUCTION DEBRIS ACCUMULATED FROM CONSTRUCTION OPERATIONS. THE PREMISES SHALL BE LEFT FREE OF ANY DEBRIS AND UNUSED CONSTRUCTION MATERIALS PRIOR TO FINAL ACCEPTANCE.
- B. ELECTRICAL EQUIPMENT: REMOVE ALL DUST, DIRT, DEBRIS, MORTAR, WIRE SCRAPS, RUST, AND OTHER FOREIGN MATERIALS FROM THE INTERIOR AND EXTERIOR OF ALL ELECTRICAL EQUIPMENT AND ENCLOSURES, AND WIPE DOWN. CLEAN ACCESSIBLE CURRENT CARRYING ELEMENTS AND INSULATORS PRIOR TO ENERGIZING.
- C. TOUCH-UP PAINTING: RESTORE AND REFINISH TO ORIGINAL CONDITION ALL SURFACES OR ELECTRICAL EQUIPMENT THAT IS SCRATCHED, MARRED AND/OR DINGED DURING SHIPPING, HANDLING, OR INSTALLATION. REMOVE ALL RUST, AND PRIME AND PAINT AS RECOMMENDED BY MANUFACTURER.



ELECTRICAL PLAN NOTES
1/4" = 1'-0"
NORTH

CITY STAMPS



CARDIFF BY THE SEA LODGE

142 CHESTERFIELD DR CARDIFF CALIFORNIA 92007

| REVISION: | DATE: | COMMENTS: |
|-----------|------------|---------------------------------|
| 1 | 01/06/2022 | 1st City Plan and Bldg comments |
| 2 | 02/18/2022 | 2nd City Plan and Bldg comments |

| | |
|----------------|------------|
| PROJECT NO: | 14-305.1 |
| CONTRACT DATE: | 11-09-2021 |
| DRAWN BY: | |
| CHECKED BY: | JAW |

SHEET TITLE:
ELECTRICAL NARRATIVE

SHEET NUMBER:
E-1.1

02/18/2022 - THIRD CITY SUBMISSION

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF PK ARCHITECTS, P.C. ALL DESIGNS AND OTHER INFORMATION ON THE DRAWINGS ARE FOR THE USE OF THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT EXPRESS WRITTEN PERMISSION OF PK ARCHITECTS, P.C. WITHIN DIMENSIONS ON THESE DRAWINGS CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE OFFICE SHALL BE NOTIFIED IN WRITING OF ANY VARIATIONS FROM THE DIMENSIONS SHOWN ON THE DRAWINGS. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE OFFICE SHALL BE NOTIFIED IN WRITING OF ANY VARIATIONS FROM THE DIMENSIONS SHOWN ON THE DRAWINGS. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.

MOUNTING HEIGHTS

- A. GENERAL: INDICATED HEIGHTS AREA MEASURED FROM THE CENTER OF THE DEVICE OUTLET BOX TO THE FINISHED FLOOR OR GRADE, UNLESS INDICATED OTHERWISE.
- B. DEVICES: SWITCHES -- 48" A.F.F.
RECEPTACLES -- 18" A.F.F.
THERMOSTAT -- 48" A.F.F.

HOLES, SLEEVES AND OPENINGS

A. GENERAL: PROVIDE ALL HOLES SLEEVES, AND OPENINGS REQUIRED FOR THE COMPLETION OF WORK AND RESTORE ALL DAMAGED SURFACES TO MATCH SURROUNDING SURFACES. MAINTAIN INTEGRITY OF ALL FIRE AND SMOKE RATED BARRIERS USING APPROVED FIRE-STOPPING SYSTEMS. WHEN CUTTING HOLES OR OPENINGS, OR INSTALLING SLEEVES, DO NOT CUT, DAMAGE OR DISTURB STRUCTURAL ELEMENTS OR REINFORCING STEEL, UNLESS APPROVED IN WRITING BY THE PROJECT STRUCTURAL ENGINEER.

B. CONDUIT PENETRATIONS: SIZE CORE DRILLED HOLES SO THAT AN ANNULAR SPACE OF NOT LESS THAN 1 / 4" AND NOT MORE THAN 1" IS LEFT AROUND THE CONDUIT. WHEN OPENINGS ARE CUT IN LIEU OF CORE DRILLED, PROVIDE SLEEVE IN ROUGH OPENING. SIZE SLEEVES TO PROVIDE AN ANNULAR SPACE OF NOT LESS THAN 1 / 4" AND NOT MORE THAN 1" AROUND THE CONDUIT, PIPE, ETC. PATCH AROUND SLEEVE TO MATCH SURROUNDING SURFACES.

CONDUCTORS -- 600 VOLT AND BELOW

- A. MINIMUM CONDUCTOR SIZE: ALL BRANCH CIRCUIT WIRING SHALL BE MINIMUM #12 AWG. FEEDER CIRCUIT WIRING SHALL BE MINIMUM #2 AWG, UNLESS OTHERWISE INDICATED. PROVIDE LARGER SIZES, AS INDICATED OR REQUIRED. A FULL-SIZED EQUIPMENT GROUNDING CONDUCTOR WILL BE INSTALLED IN POWER AND LIGHTING CONDUITS (CONDUITS WILL NOT BE USED AS A GROUNDING CONDUIT).
- B. IN RACEWAY: INSTALL WIRING IN CONDUIT OR OTHER SPECIFIED RACEWAY, UNLESS OTHERWISE INDICATED. ROMEX, BX, AC AND MC TYPE CABLES ARE NOT ALLOWED.
- C. TERMINATIONS: FURNISH AND INSTALL TERMINATIONS INCLUDING LUGS IF NECESSARY TO MAKE ALL ELECTRICAL CONNECTIONS INDICATED OR REQUIRED. EXTERIOR AND SWITCH GEAR TERMINATIONS SHALL HAVE AN ANTIOXIDANT APPLIED. SPRING-TYPE WIRE CONNECTORS USED IN EXTERIOR BOXES SHALL BE SILICONE FILLED.

HANGERS AND SUPPORTS

- A. GENERAL: RIGIDLY SUPPORT AND SECURE ALL MATERIALS, RACEWAY AND EQUIPMENT TO BUILDING STRUCTURE USING HANGERS, SUPPORTS AND FASTENERS SUITABLE FOR THE USE, MATERIALS AND LOADS ENCOUNTERED, PROVIDE ALL NECESSARY HARDWARE. PROVIDE CONDUIT SUPPORTS AT MAXIMUM 5 FEET ON CENTER OR PER NEC CODE REQUIREMENTS.
- B. OVERHEAD MOUNTING: ATTACH OVERHEAD MOUNTED EQUIPMENT TO STRUCTURAL FRAMEWORK OR SUPPORTING METAL FRAMEWORK. DO NOT MAKE ATTACHMENTS TO STEEL ROOFING, STEEL FLOORING OR CEILING MINERAL TILE.
- C. WALL MOUNTING: SUPPORT WALL MOUNTED EQUIPMENT BY MASONRY, CONCRETE BLOCK, METAL FRAMING OR SUB-FRAMING.
- D. EXTERIOR WALLS: MOUNT ALL EQUIPMENT LOCATED ON THE EXTERIOR BUILDING WALLS, AT LEAST ONE INCH AWAY FROM WALL SURFACE, USING SUITABLE SPACERS.
- E. STRUCTURAL MEMBERS: DO NOT CUT, DRILL OR WELD ANY STRUCTURAL MEMBER EXCEPT AS SPECIFICALLY APPROVED BY THE ENGINEER.
- F. INDEPENDENT SUPPORT: DO NOT SUPPORT MATERIALS OR EQUIPMENT FROM OTHER EQUIPMENT, PIPING, DUCTWORK, OR SUPPORTS FOR SAME.
- G. TEMPORARY CONDITIONS: DO NOT ATTACH TO OR SUPPORT ELECTRICAL WORK FROM REMOVABLE OR KNOCKOUT PANELS OR TEMPORARY WALLS OR PARTITIONS.

FUSES

A. UL CLASS RK1, 250 VOLT OR 600 VOLT AS REQUIRED FOR SYSTEM VOLTAGE, DUAL ELEMENT, TIME DELAY CURRENT-LIMITING, 200,000 A/C, AMPERE RATINGS AS INDICATED. SIZE AND QUANTITY AS INDICATED ON POWER DIAGRAM.

B. ACCEPTABLE MANUFACTURERS: BUSSMAN "FUSETRON", OR EQUAL BY FERRAZ SHAWMUT.

CIRCUIT BREAKERS

A. GENERAL: MOLDED CASE WITH THERMAL AND MAGNETIC TRIPS UNLESS INDICATED OTHERWISE. MINIMUM 10,000 AMPS INTERRUPTING CAPACITY, HIGHER RATINGS AS INDICATED OR REQUIRED BY AVAILABLE FAULT CURRENT.

B. CIRCUIT BREAKERS FOR EXISTING EQUIPMENT SHALL BE FROM THE SAME MANUFACTURER AS THE ORIGINAL EQUIPMENT.

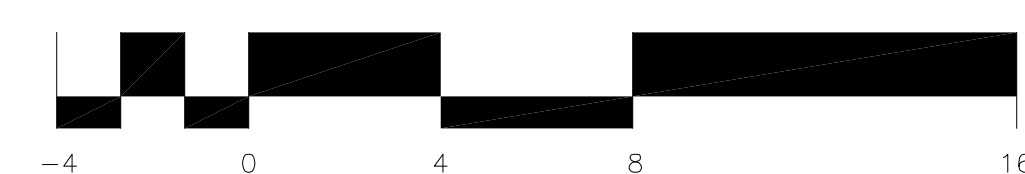
LOAD CENTER / PANEL BOARDS

- A. GENERAL: TWO-ROW CIRCUIT BREAKER WITH MAINS, RATINGS AND BRANCH DEVICES AS INDICATED
- B. MINIMUM 10,000 AIC FOR 208V OR 240V PANEL BOARD UNLESS OTHERWISE NOTED.
- C. LOCKABLE COVER, COPPER BUS.
- D. LOAD CENTER SHALL HAVE MAIN CIRCUIT BREAKER (LOCKABLE IN ON & OFF POSITIONS).
- E. COPPER GROUND BARS PREFERRED (ALUMINUM COMPONENTS MUST BE LISTED FOR PROPOSED USE -- ALUMINUM GROUND PARTS MUST BE COPPER OR TIN PLATED. TO COMPENSATE FOR THE THERMAL EXPANSION DIFFERENCE BETWEEN ALUMINUM AND COPPER, USE "BELLVILLE" WASHERS AT BOLTED CONNECTIONS). ISOLATED NEUTRAL BUS AND FULL-SIZE GROUND BUS.

F. ACCEPTABLE MANUFACTURERS: EATON, GE, SQUARE D TYPE QC, SEIMENS, OR EQUIVALENT.

DEVICES

- A. SWITCHES: 20 AMP, 120-277 VOLTS, A.C. ONLY TOGGLE TYPE, SINGLE POLE, DOUBLE POLE, 3-WAY, OR 4-WAY TIMER STYLE AS INDICATED OR REQUIRED.
- B. DIMMERS: USE DIMMERS FOR ALL INDOOR LIGHTING CONTROLS
- C. RECEPTACLES: 20 AMP, 120V, NEMA 5 208V DUPLEX TYPE, FOR INDOOR MOUNTED, USE STAINLESS STEEL COVER. FOR OUTDOOR OR WET LOCATION MOUNTED. USE DEVICE RATED FOR USE. PROVIDE GFCI TYPE WITH COULD STATE GROUND FAULT SENSING & 6 MA TRIP FOR OUTDOOR OR WET LOCATIONS
- D. LUMINARIES: LUMINARIES SHALL COMPLY WITH CALIFORNIA TITLE 24 PART 6 AND BE IDENTIFIED AS "JA8" HIGH EFFICACY LIGHT SOURCES
- E. ASTRONOMICAL TIME-SWITCH OUTDOOR LIGHTING CONTROLS: NSI SS721Z TORK SUNSET/SUNRISE ASTRONOMIC IN-WALL TIMER SWITCH; 7 DAYS, WHITE, SPST, 120/277 VOLT AC, OR EQUIVALENT



CITY STAMPS

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PK ARCHITECTS, P.C.
4515 S. McCLINTOCK DRIVE, #206
TEMPE, ARIZONA 85282
PHONE: (602) 283-1620
FAX: (602) 283-1621

**CARDIFF
BY THE SEA
LODGE**

**142
CHESTERFIELD DR
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92007**

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SHEET TITLE:

**ELECTRICAL
NARRATIVE**

SHEET NUMBER:

E-1.2

CONDUCTORS -- 600 VOLT AND BELOW

- A. GENERAL: SINGLE-CONDUCTOR 98% CONDUCTIVITY, ANNEALED, NON-COATED COPPER CONDUCTORS WITH 600-VOLT RATED TYPE "THHN/THWN" INSULATION.
- B. CONNECTORS: NYLON SHELL INSULATED METALLIC SCREW-ON CONNECTORS FOR #14-#10 AWG, AND BOLTED PRESSURE OR COMPRESSION TYPE LUGS AND CONNECTORS WITH INSULATING COVERS FOR #8 AWG AND LARGER.

HANGERS AND SUPPORTS

- A. GENERAL: ALL HANGERS, SUPPORTS, FASTENERS AND HARDWARE SHALL BE HOT DIPPED GALVANIZED OR EQUIVALENT CORROSION RESISTANCE BY TREATMENT, AND SHALL BE MANUFACTURED PRODUCTS DESIGNED FOR THE APPLICATION.
- B. TYPES: HANGERS, STRAPS, RISER SUPPORTS, CLAMPS, U-CHANNEL, THREADED RODS, ETC., AS INDICATED OR REQUIRED.

ELECTRICAL IDENTIFICATION

- A. NAME PLATES: LAMINATED PLASTIC WITH MINIMUM 1 / 4" HIGH BLACK ENGRAVED CHARACTERS ON WHITE BACKGROUND.
- B. FASTENERS: DOUBLE SIDED 3 / 4" ADHESIVE TAPE.
- C. UNDERGROUND WARNING TAPE: 3-INCH WIDE DETECTABLE TAPE. PERMANENTLY COLORED WITH CONTINUOUS-PRINTED LEGEND INDICATING GENERAL TYPE OF UNDERGROUND LINE BELOW AND "CAUTION". COLORS AS FOLLOWS:
 - 1. RED = ELECTRIC
 - 2. ORANGE = COMMUNICATIONS
- D. MARKING PENS: PERMANENT, WATERPROOF, QUICK-DRYING BLACK INK. ACCEPTABLE MANUFACTURERS: SANFORD FINE POINT "SHARPIE", OR EQUAL.
- E. WIRE TAGS: VINYL OR VINYL-CLOTH, SELF-ADHESIVE WRAPAROUND TYPE INDICATING APPROPRIATE CIRCUIT NUMBER, ETC.

ENCLOSURES

- A. DRY LOCATION, INDOOR -- NEMA 1.
- B. WET LOCATION OR OUTDOOR -- NEMA 3R.

CODES AND REGULATIONS

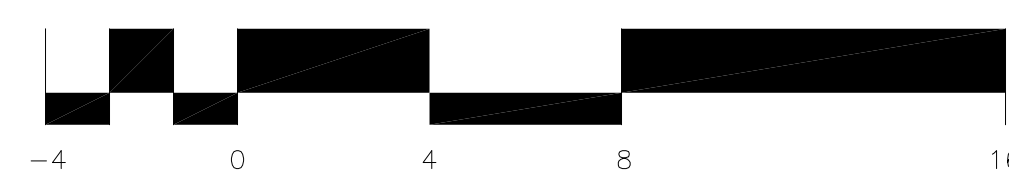
- A. GENERAL: COMPLY WITH ALL GOVERNING FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, CODES, RULES, AND REGULATIONS. WHERE THE CONTRACT DOCUMENTS EXCEED REQUIREMENTS, THE CONTRACT DOCUMENTS SHALL GOVERN. IN NO CASE SHALL WORK BE INSTALLED CONTRARY TO OR BELOW MINIMUM LEGAL STANDARDS
- B. UTILITIES: COMPLY WITH ALL APPLICABLE RULES, RESTRICTIONS, AND REQUIREMENTS OF THE UTILITY COMPANY SERVING THE PROJECT SITE AND FACILITIES
- C. NONCOMPLIANCE: SHOULD ANY WORK BE PERFORMED WHICH IS FOUND NOT TO COMPLY WITH ANY OF THE ABOVE, THE CONTRACTOR SHALL PROVIDE ALL WORK AND PAY ALL COSTS NECESSARY TO CORRECT THE DEFICIENCIES

PERMITS

- A. ALL PERMITS REQUIRED BY APPLICABLE AGENCIES WILL BE OBTAINED BY THE CONTRACTOR.

SUBMITTALS

- A. REQUIRED SUBMITTALS INCLUDE: LIST OF CONTRACTORS; PRODUCT DATA; SHOP DRAWINGS; AND VARIOUS ADMINISTRATIVE SUBMITTALS
- B. RECORD DOCUMENTS: INDICATED ACTUAL INSTALLED LOCATIONS; ALL EQUIPMENT AND DEVICES; ROUTING OR MAJOR INTERIOR RACEWAYS; LOCATION OF ALL CONCEALED AND UNDERGROUND EQUIPMENT AND RACE RACEWAYS; AND ALL APPROVED MODIFICATIONS TO THE CONTRACT DOCUMENTS, ELEVATIONS, DEVIATIONS NECESSITATED BY FIELD CONDITIONS, AND CHANGE ORDERS
- C. SAFETY MEETING MINUTES



CITY STAMPS



**CARDIFF
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**142
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92007**

| REVISION | DATE | COMMENTS |
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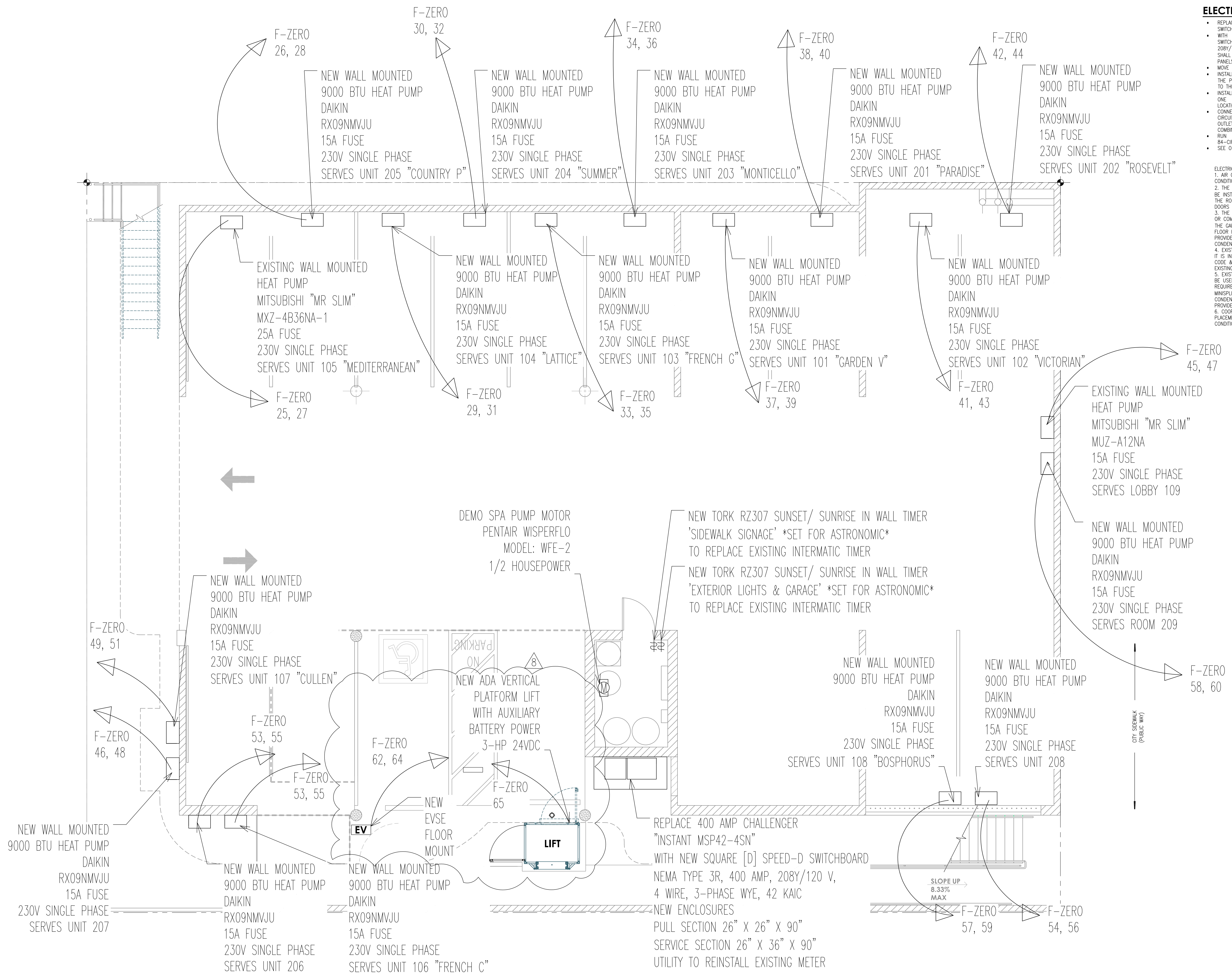
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 CONTRACT DATE: 11-09-2021
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SHEET TITLE:
**ELECTRICAL
NARRATIVE**

SHEET NUMBER:
E-1.3

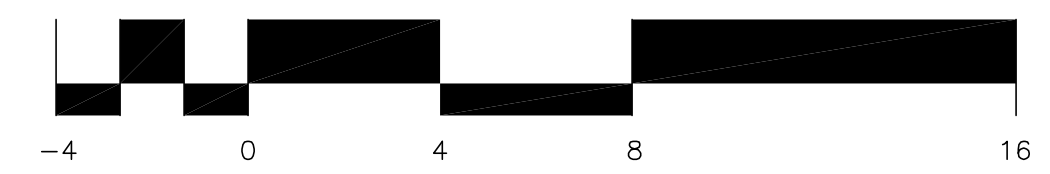
THESE CHANGES ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF PK ARCHITECTS, P.C. ALL RIGHTS AND OTHER INFORMATION ON THE DRAWINGS ARE FOR THE USE OF THE SPECIFIC PROJECT AND SHALL NOT BE USED ELSEWHERE WITHOUT EXPRESS WRITTEN PERMISSION OF PK ARCHITECTS, P.C. WRITTEN PERMISSION ON THESE DRAWINGS AND RELATED INSTRUMENTS SHALL BE OBTAINED FROM PK ARCHITECTS, P.C. PRIOR TO WORK BEING COMMENCED. SHOP DETAILS SHALL BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING.

02/18/2022 - THIRD CITY SUBMISSION



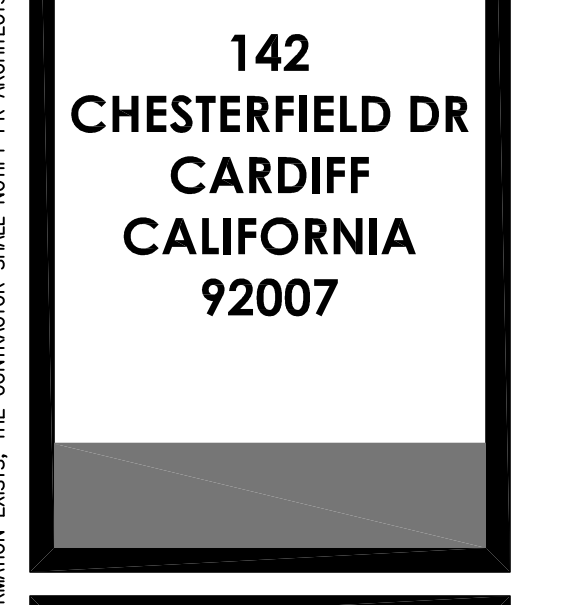
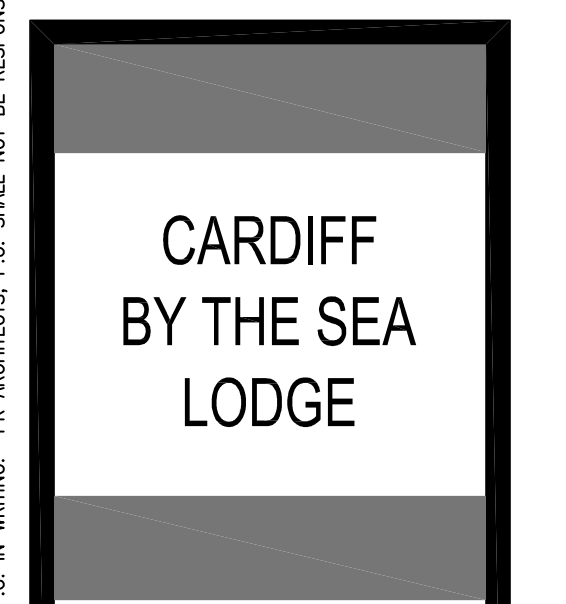
- ### ELECTRICAL NOTES
- REPLACE EXISTING 400A CHALLENGER (OBSOLETE) SWITCHBOARD
 - WITH NEW SQUARE [D] SPEED-D NEMA TYPE 3R SWITCHBOARD. SHALL BE NO LESS THAN 400 AMP, 208Y/120 VOLT, 3-PHASE, 4 WIRE, MINIMUM 22 KAIC AND SHALL DISTRIBUTE (3) 200 AMP, 3-PHASE CIRCUITS TO NEW PANELS, ONE PANEL ON EACH FLOOR.
 - MOVE EXISTING SDC&E METER TO NEW SWITCHBOARD
 - INSTALL NEW LUGS-ONLY 84-CIRCUIT PANEL "F-ZERO" ON THE PARKING LEVEL, MOVE EXISTING 100-15 AMP CIRCUITS TO THIS PANEL
 - INSTALL (2) NEW LUGS-ONLY 3-PHASE 84-CIRCUIT PANELS ONE EACH AT THE EXISTING SINGLE PHASE PANEL LOCATIONS ON FLOOR 1 & 2
 - CONNECT NEW BREAKERS IN THESE PANELS TO EXISTING CIRCUITS ON FLOORS 1 & 2 - LIGHTING AND POWER OUTLET CIRCUITS SHALL BE SEPARATE - CORRECT IF COMBINED LIGHTING AND POWER CIRCUIT EXISTS
 - RUN NEW 3-PHASE CONDUCTORS TO NEW 3-PHASE 84-CIRCUIT PANELS ON FLOORS 1 & 2
 - SEE ONE LINE DIAGRAM

- ELECTRICAL SERVICE FOR AIR CONDITIONING NOTES:
- AIR CONDITIONING CONSISTS OF A 9000 BTU SPLIT AIR CONDITIONER IN EACH HOTEL GUEST ROOM.
 - THE INDOOR UNIT SOMETIMES CALLED "MINISPLIT" SHALL BE INSTALLED ON A CONVENIENT WALL AT 50" AFF INSIDE THE ROOM SO IT IS NOT INTERFERED WITH OR BLOCKED BY DOORS IN ANY POSITION, OPEN OR CLOSED.
 - THE OUTDOOR UNIT SOMETIMES CALLED THE CONDENSER OR COMPRESSOR SHALL BE MOUNTED ON THE WALLS OF THE GARAGE (1" BELOW CEILING LEVEL) TO SERVE FIRST FLOOR ROOMS & TO SERVE SECOND FLOOR ROOMS. PROVIDE THE REQUIRED FUSED DISCONNECT NEXT TO EACH CONDENSER.
 - EXISTING AIR CONDITIONING EQUIPMENT MAY BE USED IF IT IS IN THE CORRECT LOCATION, MEETS CURRENT BUILDING CODE & TITLE 24 REQUIREMENTS. OTHERWISE DEMO THE EXISTING UNIT & PROVIDE A NEW ONE AS SHOWN.
 - EXISTING ELECTRICAL POWER SUPPLY CONDUCTORS MAY BE USED IF THEY MEET CURRENT INSULATION TEST REQUIREMENTS PER EEC; & SERVE ONLY THE THE MINISPLIT(S) IN ONE ROOM, OR A SINGLE OUTDOOR CONDENSER. OTHERWISE DEMO THE EXISTING WIRES AND PROVIDE NEW CONDUCTORS AS SHOWN.
 - COORDINATE WITH OTHER TRADES FOR POSITION AND PLACEMENT OF ELECTRICAL BRANCH CIRCUITS AND AIR CONDITIONING EQUIPMENT.



NEW ELECTRICAL SERVICE ENTRANCE SWITCHBOARD
1/4" = 1'-0"
NORTH

CITY STAMPS



| REVISION | DATE | COMMENTS |
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| 1 | 01/06/2022 | 1st City Plan and Bldg comments |
| 2 | 02/18/2022 | 2nd City Plan and Bldg comments |
| 3 | 10/06/2023 | ADA VERTICAL LIFT PLATFORM |

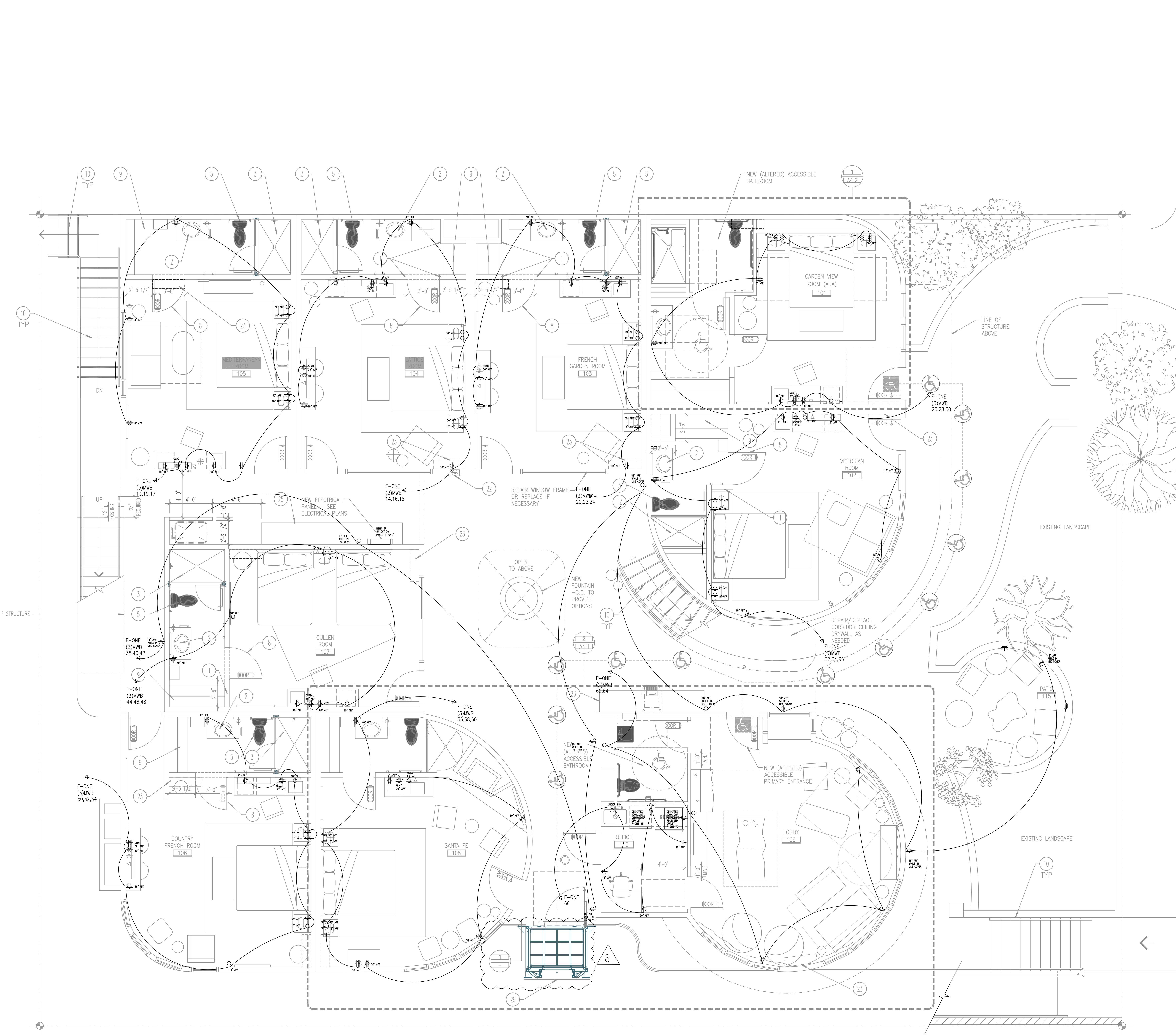
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SHEET TITLE:
NEW ELECTRICAL SWITCHBOARD PARKING LEVEL

SHEET NUMBER:
E-2.1

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02/18/2022 - THIRD CITY SUBMISSION



ELECTRICAL NOTES

- REPLACE EXISTING 400A CHALLENGER (OBSOLETE) SWITCHBOARD
- WITH NEW SQUARE [D] SPEED-D NEMA TYPE 3R SWITCHBOARD SHALL BE NO LESS THAN 400 AMP, 208Y/120 VOLT, 3-PHASE, 4 WIRE, MINIMUM 22 KAC AND SHALL DISTRIBUTE (3) 200 AMP 3-PHASE CIRCUITS TO NEW PANELS, ONE PANEL ON EACH FLOOR.
- MOVE EXISTING 50KVA METER TO NEW SWITCHBOARD
- INSTALL NEW LUGS-ONLY 64-CIRCUIT PANEL "F-ZERO" ON THE PARKING LEVEL, MOVE EXISTING 100-15 AMP CIRCUITS TO THIS PANEL
- INSTALL (2) NEW LUGS-ONLY 3-PHASE 64-CIRCUIT PANELS ONE EACH AT THE EXISTING SINGLE PHASE PANEL LOCATIONS ON FLOOR 1 & 2
- CONNECT NEW BREAKERS IN THESE PANELS TO EXISTING CIRCUITS ON FLOORS 1 & 2 - LIGHTING AND POWER OUTLET CIRCUITS SHALL BE SEPARATE - CORRECT IF COMBINED LIGHTING AND POWER CIRCUIT EXISTS
- RUN NEW 3-PHASE CONDUCTORS TO NEW 3-PHASE 64-CIRCUIT PANELS ON FLOORS 1 & 2
- SEE ONE LINE DIAGRAM

ELECTRICAL OUTLET NOTES:

- OUTLETS SHALL USE CONDUCTORS AS SPECIFIED IN CEC ARTICLE 210.24
- CEC ARTICLE 210.4 MULTIWIRE BRANCH CIRCUIT WIRING IN THIS DESIGN DOCUMENT IS SHOWN WITH AN "MWB" INDICATION WITH THE CONDUCTOR SPECIFICATION. ALL "MWB" CIRCUITS SHALL BE LINE TO NEUTRAL CIRCUITS.
- SPLIT PHASE "MWB" CIRCUITS SHALL HAVE (4) # 12 AWG CONDUCTORS, TWO LINE VOLTAGE CONDUCTORS, ONE NEUTRAL CONDUCTOR AND ONE GROUND CONDUCTOR.
- 3 PHASE "MWB" CIRCUITS SHALL HAVE (5) # 12 AWG CONDUCTORS, THREE LINE VOLTAGE CONDUCTORS, ONE NEUTRAL CONDUCTOR AND ONE GROUND CONDUCTOR.
- OUTLETS FOR BATHROOMS SHALL BE PER ARTICLE 210.11 (C) (3) AND SHALL HAVE ONE LINE TO NEUTRAL CIRCUIT.

REGISTERED PROFESSIONAL ENGINEER
 E 20300
 JOHN A. WHITCRAFT
 ELECTRICAL
 STATE OF CALIFORNIA

pk
 ARCHITECTS
 © 2022
 PK ARCHITECTS, PC
 4515 S. McCLINTOCK DRIVE, #206
 TEMPE, ARIZONA 85282
 PHONE: (602) 283-1620
 FAX: (602) 283-1621

WHITCRAFT ENGINEERING SOLUTIONS INC.
 ELECTRICAL

CARDIFF BY THE SEA LODGE

**142 CHESTERFIELD DR
 CARDIFF CALIFORNIA
 92007**

| REVISION | DATE | COMMENTS |
|----------|------------|---------------------------------|
| 1 | 01/06/2022 | 1st City Plan and Bldg comments |
| 2 | 02/18/2022 | 2nd City Plan and Bldg comments |
| 3 | 10/06/2023 | ADA VERTICAL LIFT PLATFORM |

PROJECT NO: 14-305.1
 CONTRACT DATE: 11-09-2021
 DRAWN BY:
 CHECKED BY: JAW

SHEET TITLE:
NEW FLOOR 2 POWER PLAN

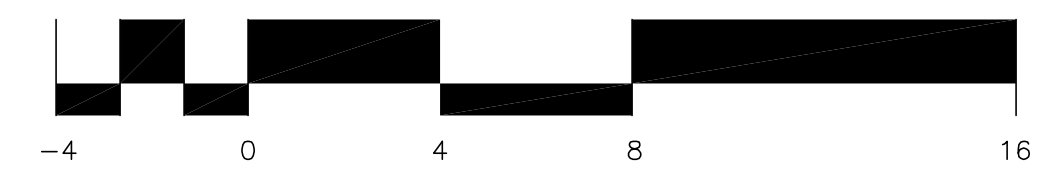
SHEET NUMBER:
E2.2

02/18/2022 - THIRD CITY SUBMISSION

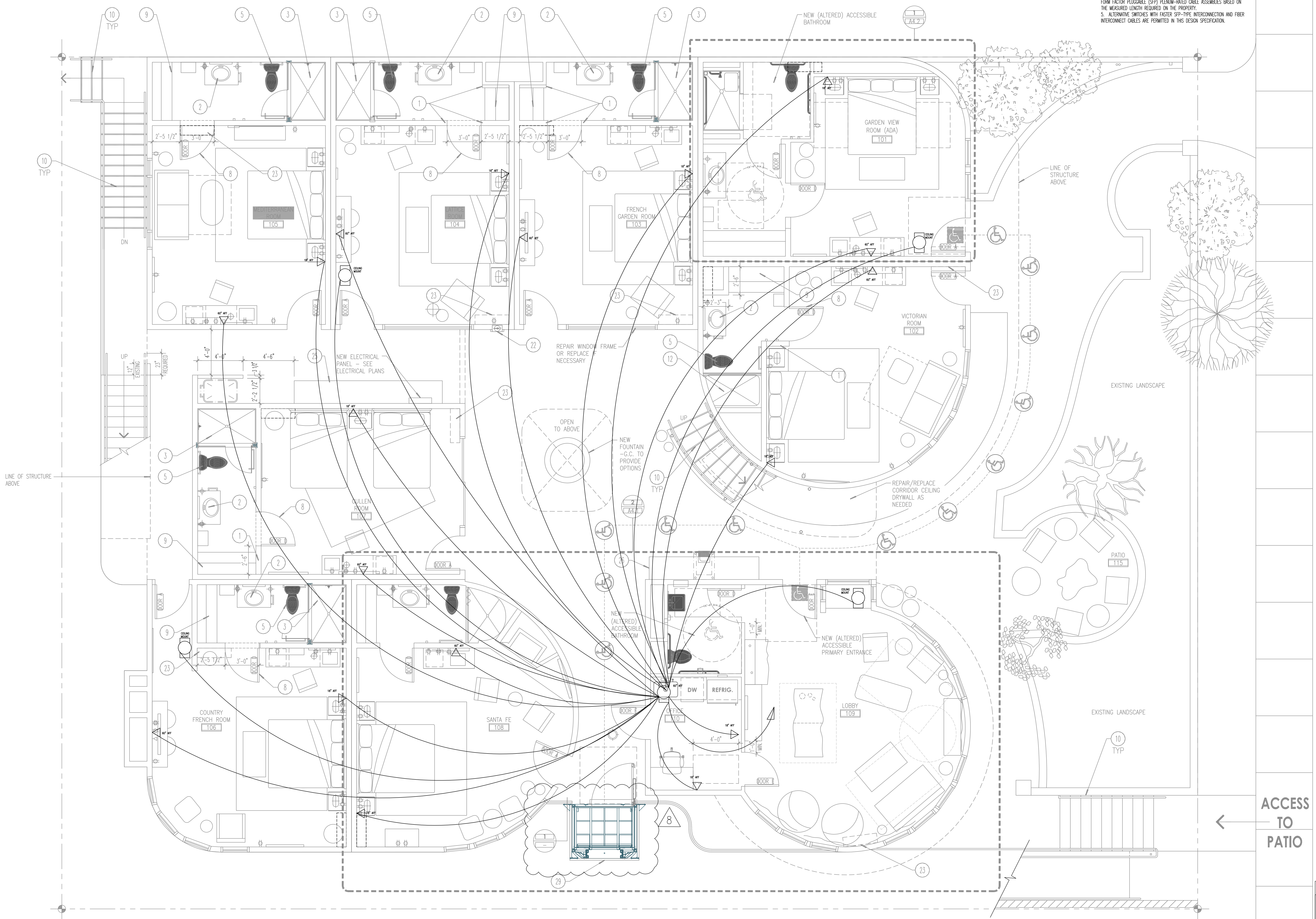
ACCESS TO PATIO

CITY STAMPS

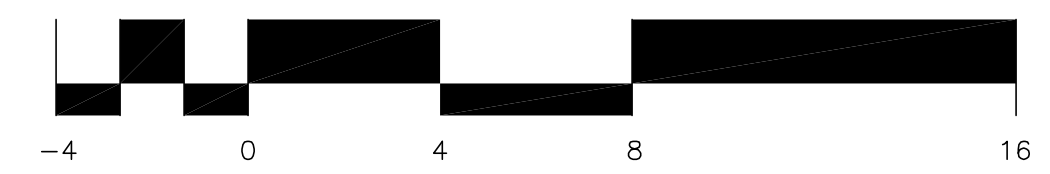
PROPOSED MAIN LEVEL FLOOR PLAN
 1/4" = 1'-0"
 NORTH



THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF PK ARCHITECTS, P.C. ALL DESIGN AND OTHER INFORMATION ON THESE DRAWINGS ARE FOR THE USE OF THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT EXPRESS WRITTEN PERMISSION OF PK ARCHITECTS, P.C. WRITERS DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE OFFICE SHALL BE NOTIFIED IN WRITING OF ANY VARIATIONS FROM THE CONDITIONS OR CONDITIONS SHOWN ON THE DRAWINGS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE OFFICE SHALL BE NOTIFIED IN WRITING OF ANY VARIATIONS FROM THE CONDITIONS OR CONDITIONS SHOWN ON THE DRAWINGS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE OFFICE SHALL BE NOTIFIED IN WRITING OF ANY VARIATIONS FROM THE CONDITIONS OR CONDITIONS SHOWN ON THE DRAWINGS.



ELECTRICAL CEC ARTICLE 800 INTERNET NOTES:
 1. UNLESS SPECIFIED IN THE DRAWING ETHERNET FOR INTERNET CONNECTION SHALL BE AS FOLLOWS:
 2. CONNECTIONS FROM ETHERNET SWITCHES AND 8P8C/RJ45 JACKS SHALL BE CATEGORY 6A COMMUNICATION MULTIPURPOSE PLENUM RATED CABLE ACCORDING TO THE T568B STANDARD.
 3. CONNECTIONS FROM ETHERNET SWITCHES TO MPO/MTP 8-PORT 8-PORT MPO/MTP SCORERS SHALL BE PER THE MANUFACTURER REQUIREMENTS.
 4. CONNECTIONS BETWEEN SWITCHES SHALL USE THE FASTEST AVAILABLE SMALL FORM FACTOR PLUGGABLE (SFP) PLENUM-RATED CABLE ASSEMBLIES BASED ON THE MEASURED LENGTH REQUIRED ON THE PROPERTY.
 5. ALTERNATIVE SWITCHES WITH FASTER SFP-TYPE INTERCONNECTION AND FIBER INTERCONNECT CABLES ARE PERMITTED IN THIS DESIGN SPECIFICATION.



PROPOSED MAIN LEVEL FLOOR PLAN
 1/4" = 1'-0"
 NORTH

CHESTERFIELD ROAD

ACCESS TO PATIO

CITY STAMPS



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CARDIFF BY THE SEA LODGE

142 CHESTERFIELD DR
 CARDIFF CALIFORNIA 92007

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| 2 | 02/18/2022 | 2nd City Plan and Bldg comments |
| 3 | 10/06/2023 | ADA VERTICAL LEFT PLATFORM |

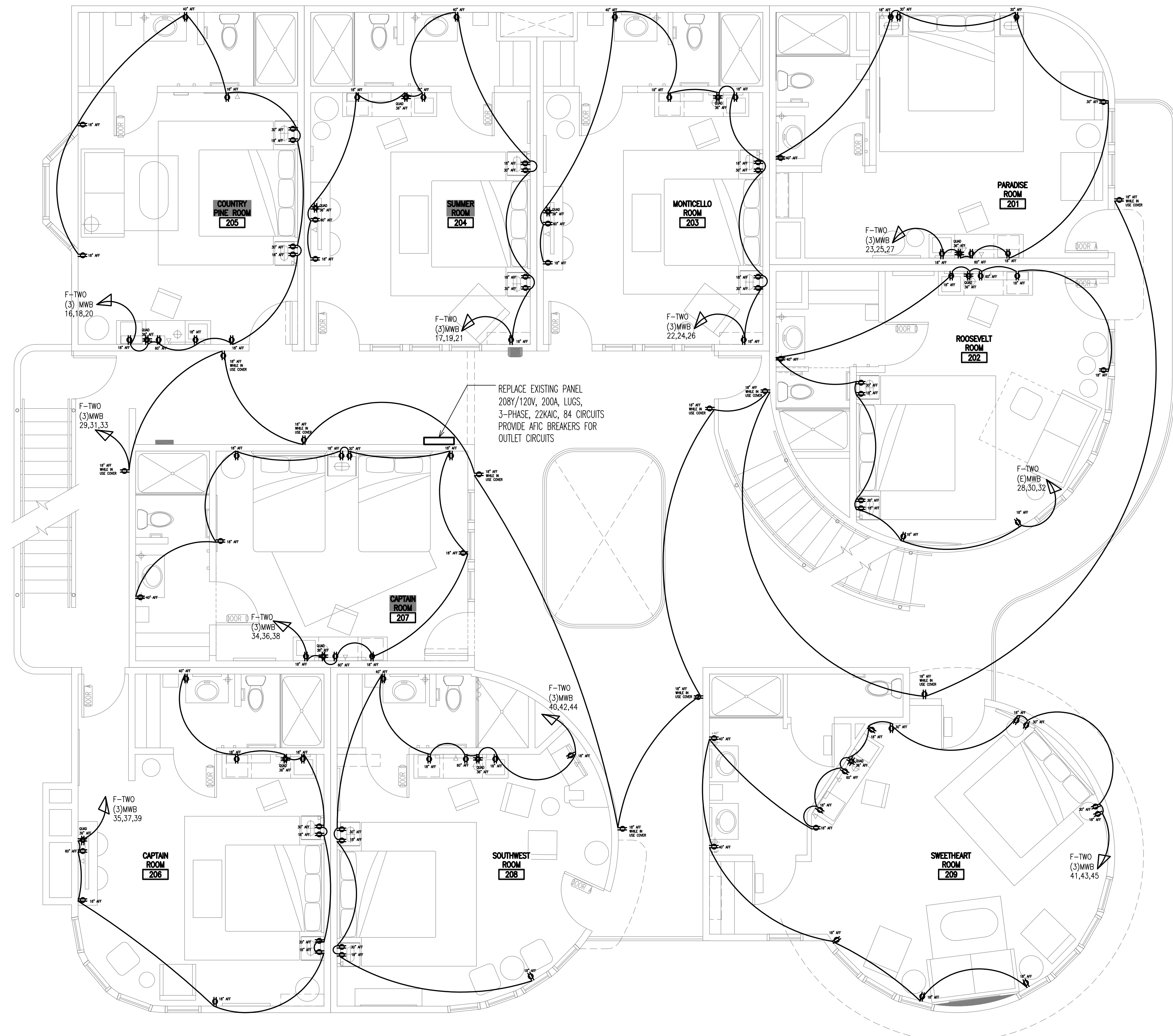
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|----------------|------------|
| PROJECT NO: | 14-305.1 |
| CONTRACT DATE: | 11-09-2021 |
| DRAWN BY: | JAW |
| CHECKED BY: | JAW |

SHEET TITLE:
**NEW FLOOR 2
 CEC
 ART 800
 INTERNET**

SHEET NUMBER:
E2.2W

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF PK ARCHITECTS, P.C. ALL DESIGNS AND OTHER INFORMATION ON THESE DRAWINGS ARE FOR THE USE OF THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT WRITTEN PERMISSION OF PK ARCHITECTS, P.C. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL PREVAIL OVER SCALING DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE OFFICE SHALL BE NOTIFIED IN WRITING OF ANY VARIATIONS FROM THE CONDITIONS AND CONDITIONS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY THAT THE CONDITIONS SHOWN ON THE DRAWINGS ARE ACCURATE AND COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.

02/18/2022 - THIRD CITY SUBMISSION



REPLACE EXISTING PANEL
208Y/120V, 200A, LUGS,
3-PHASE, 22KVAIC, 84 CIRCUITS
PROVIDE AFC BREAKERS FOR
OUTLET CIRCUITS



PROPOSED SECOND LEVEL FLOOR PLAN
1/4" = 1'-0"
NORTH

ELECTRICAL AIR CONDITIONING CIRCUIT NOTES:
1. AIR CONDITIONING CONSISTS OF A 9000 BTU SPLIT AIR CONDITIONER IN EACH HOTEL GUEST ROOM.
2. THE INDOOR UNIT SOMETIMES CALLED "MINISPLIT" SHALL BE INSTALLED ON A CONVENIENT WALL AT 50" AFF INSIDE THE ROOM SO IT IS NOT INTERFERED WITH OR BLOCKED BY DOORS IN ANY POSITION, OPEN OR CLOSED.
3. THE OUTDOOR UNIT SOMETIMES CALLED THE CONDENSER OR COMPRESSOR SHALL BE MOUNTED ON THE WALLS OF THE GARAGE (1" BELOW CEILING LEVEL) TO SERVE FIRST FLOOR ROOMS & TO SERVE SECOND FLOOR ROOMS. PROVIDE THE REQUIRED FUSED DISCONNECT NEXT TO EACH CONDENSER.
4. EXISTING AIR CONDITIONING EQUIPMENT MAY BE USED IF IT IS IN THE CORRECT LOCATION, MEETS CURRENT BUILDING CODE & TITLE 24 REQUIREMENTS. OTHERWISE DEMO THE EXISTING UNIT & PROVIDE A NEW ONE AS SHOWN.
5. EXISTING ELECTRICAL POWER SUPPLY CONDUCTORS MAY BE USED IF THEY MEET CURRENT INSULATION TEST REQUIREMENTS PER CEC, & SERVE ONLY THE THE MINISPLIT(S) IN ONE ROOM, OR A SINGLE OUTDOOR CONDENSER. OTHERWISE DEMO THE EXISTING WIRES AND PROVIDE NEW CONDUCTORS AS SHOWN.
6. COORDINATE WITH OTHER TRADES FOR POSITION AND PLACEMENT OF ELECTRICAL BRANCH CONDUCTORS TO AIR CONDITIONING EQUIPMENT.

ELECTRICAL NOTES

- REPLACE EXISTING 400A CHALLENGER (OBSOLETE) SWITCHBOARD
- WITH NEW SQUARE [D] SPEED-0 NEMA TYPE 3R SWITCHBOARD SHALL BE NO LESS THAN 400 AMP, 208Y/120 VOLT, 3-PHASE, 4 WIRE, MINIMUM 22 KVAIC AND SHALL DISTRIBUTE (3) 200 AMP 3-PHASE CIRCUITS TO NEW PANELS, ONE PANEL ON EACH FLOOR.
- MOVE EXISTING SOGAGE METER TO NEW SWITCHBOARD
- INSTALL NEW LUGS-ONLY 84-CIRCUIT PANEL "F-ZERO" ON THE PARKING LEVEL, MOVE EXISTING 100-15 AMP CIRCUITS TO THIS PANEL
- INSTALL (2) NEW LUGS-ONLY 3-PHASE 84-CIRCUIT PANELS ONE EACH AT THE EXISTING SINGLE PHASE PANEL LOCATIONS ON FLOOR 1 & 2
- CONNECT NEW BREAKERS IN THESE PANELS TO EXISTING CIRCUITS ON FLOORS 1 & 2 - LIGHTING AND POWER OUTLET CIRCUITS SHALL BE SEPARATE - CORRECT IF COMBINED LIGHTING AND POWER CIRCUIT EXISTS
- RUN NEW 3-PHASE CONDUCTORS TO NEW 3-PHASE 84-CIRCUIT PANELS ON FLOORS 1 & 2
- SEE ONE LINE DIAGRAM

ELECTRICAL OUTLET NOTES:

1. OUTLETS SHALL USE CONDUCTORS AS SPECIFIED IN CEC ARTICLE 210.24
2. CEC ARTICLE 210.4 MULTIWIRE BRANCH CIRCUIT WIRING IN THIS DESIGN DOCUMENT IS SHOWN WITH AN "MWB" INDICATION WITH THE CONDUCTOR SPECIFICATION. ALL "MWB" CIRCUITS SHALL BE LINE TO NEUTRAL CIRCUITS.
3. SPLIT PHASE "MWB" CIRCUITS SHALL HAVE (4) # 12 AWG CONDUCTORS, TWO LINE VOLTAGE CONDUCTORS, ONE NEUTRAL CONDUCTOR AND ONE GROUND CONDUCTOR.
4. 3-PHASE "MWB" CIRCUITS SHALL HAVE (5) # 12 AWG CONDUCTORS, THREE LINE VOLTAGE CONDUCTORS, ONE NEUTRAL CONDUCTOR AND ONE GROUND CONDUCTOR.
5. OUTLETS FOR BATHROOMS SHALL BE PER ARTICLE 210.11 (C) (3) AND SHALL HAVE ONE LINE TO NEUTRAL CIRCUIT. THE SWEETHEART ROOM 209 HAS TWO OUTLETS ON THE BATHROOM CIRCUIT INSTEAD OF ONE.
6. PROVIDE AFC BREAKERS FOR ALL OUTLET CIRCUITS



PK ARCHITECTS, P.C.
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FAX: (602) 283-1621

WHITCRAFT ENGINEERING SOLUTIONS INC.
ELECTRICAL ENERGY

CARDIFF BY THE SEA LODGE

142 CHESTERFIELD DR
CARDIFF CALIFORNIA 92007

| REVISION | DATE | COMMENTS |
|----------|------------|---------------------------------|
| 1 | 01/06/2022 | 1st City Plan and Bldg comments |
| 2 | 02/18/2022 | 2nd City Plan and Bldg comments |

| | |
|----------------|------------|
| PROJECT NO: | 14-305.1 |
| CONTRACT DATE: | 11-09-2021 |
| DRAWN BY: | |
| CHECKED BY: | JAW |

SHEET TITLE:
NEW 2ND LEVEL POWER PLAN

SHEET NUMBER:
E2.3

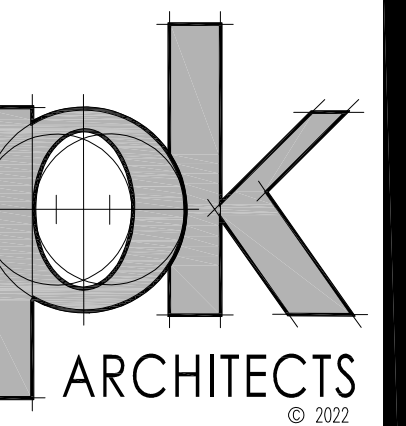
CITY STAMPS

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02/18/2022 - THIRD CITY SUBMISSION

ELECTRICAL NOTES

- REPLACE EXISTING 400A CHALLENGER (OBSOLETE) SWITCHBOARD
- WITH NEW SQUARE [D] SPEED-D NEMA TYPE 3R SWITCHBOARD. SHALL BE NO LESS THAN 400 AMP, 208Y/120 VOLT, 3-PHASE, 4 WIRE, MINIMUM 22 KVA AND SHALL DISTRIBUTE (3) 200 AMP, 3-PHASE CIRCUITS TO NEW PANELS, ONE PANEL ON EACH FLOOR.
- MOVE EXISTING SDC&E METER TO NEW SWITCHBOARD
- INSTALL NEW LUGS-ONLY 84-CIRCUIT PANEL "F-ZERO" ON THE PARKING LEVEL. MOVE EXISTING 100-15 AMP CIRCUITS TO THIS PANEL
- INSTALL (2) NEW LUGS-ONLY 3-PHASE 84-CIRCUIT PANELS ONE EACH AT THE EXISTING SINGLE PHASE PANEL LOCATIONS ON FLOOR 1 & 2
- CONNECT NEW BREAKERS IN THESE PANELS TO EXISTING CIRCUITS ON FLOORS 1 & 2 - LIGHTING AND POWER OUTLET CIRCUITS SHALL BE SEPARATE - CORRECT IF COMBINED LIGHTING AND POWER CIRCUIT EXISTS
- RUN NEW 3-PHASE CONDUCTORS TO NEW 3-PHASE 84-CIRCUIT PANELS ON FLOORS 1 & 2
- SEE ONE LINE DIAGRAM



PK ARCHITECTS, PC
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FAX: (602) 283-1621



CARDIFF BY THE SEA LODGE

142 CHESTERFIELD DR
CARDIFF CALIFORNIA 92007

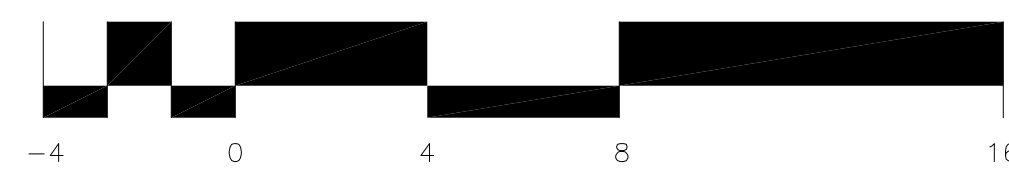
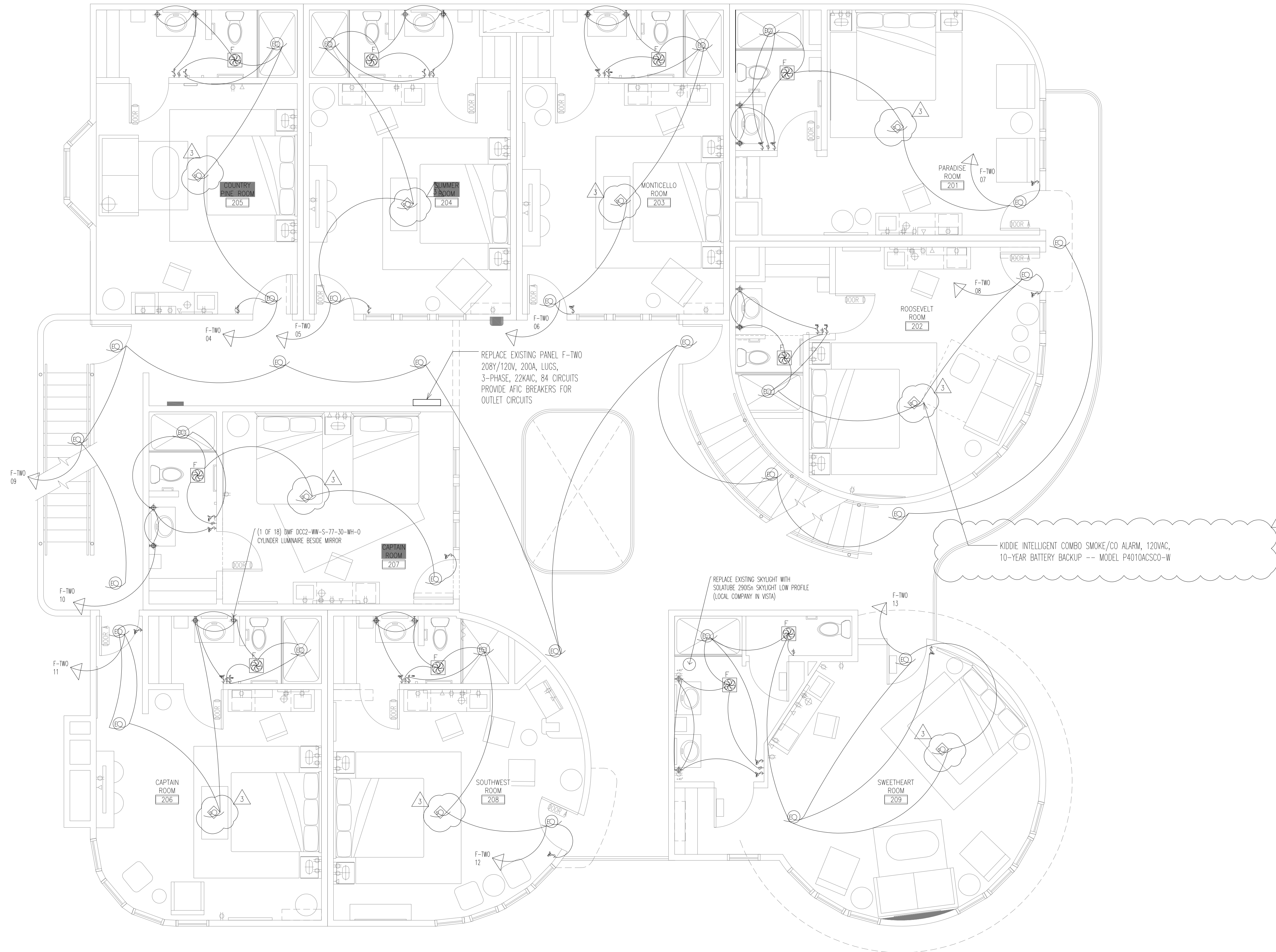
| REVISION: | DATE: | COMMENTS: |
|-----------|------------|---------------------------------|
| △ | 01/06/2022 | 1st City Plan and Bldg comments |
| △ | 02/18/2022 | 2nd City Plan and Bldg comments |
| △ | 11/16/2022 | + SMOKE DET |

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|----------------|------------|
| PROJECT NO: | 14-305.1 |
| CONTRACT DATE: | 11-09-2021 |
| DRAWN BY: | |
| CHECKED BY: | JAW |

SHEET TITLE:
NEW 2ND LEVEL REFLECTED CEILING LIGHT PLAN

SHEET NUMBER:
E2.3R

02/18/2022 - THIRD CITY SUBMISSION

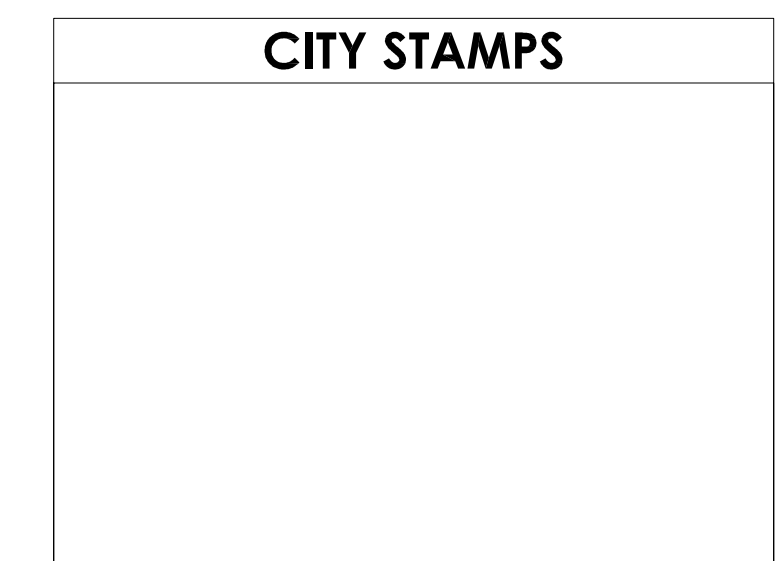


PROPOSED SECOND LEVEL REFLECTED CEILING PLAN

1/4" = 1'-0"

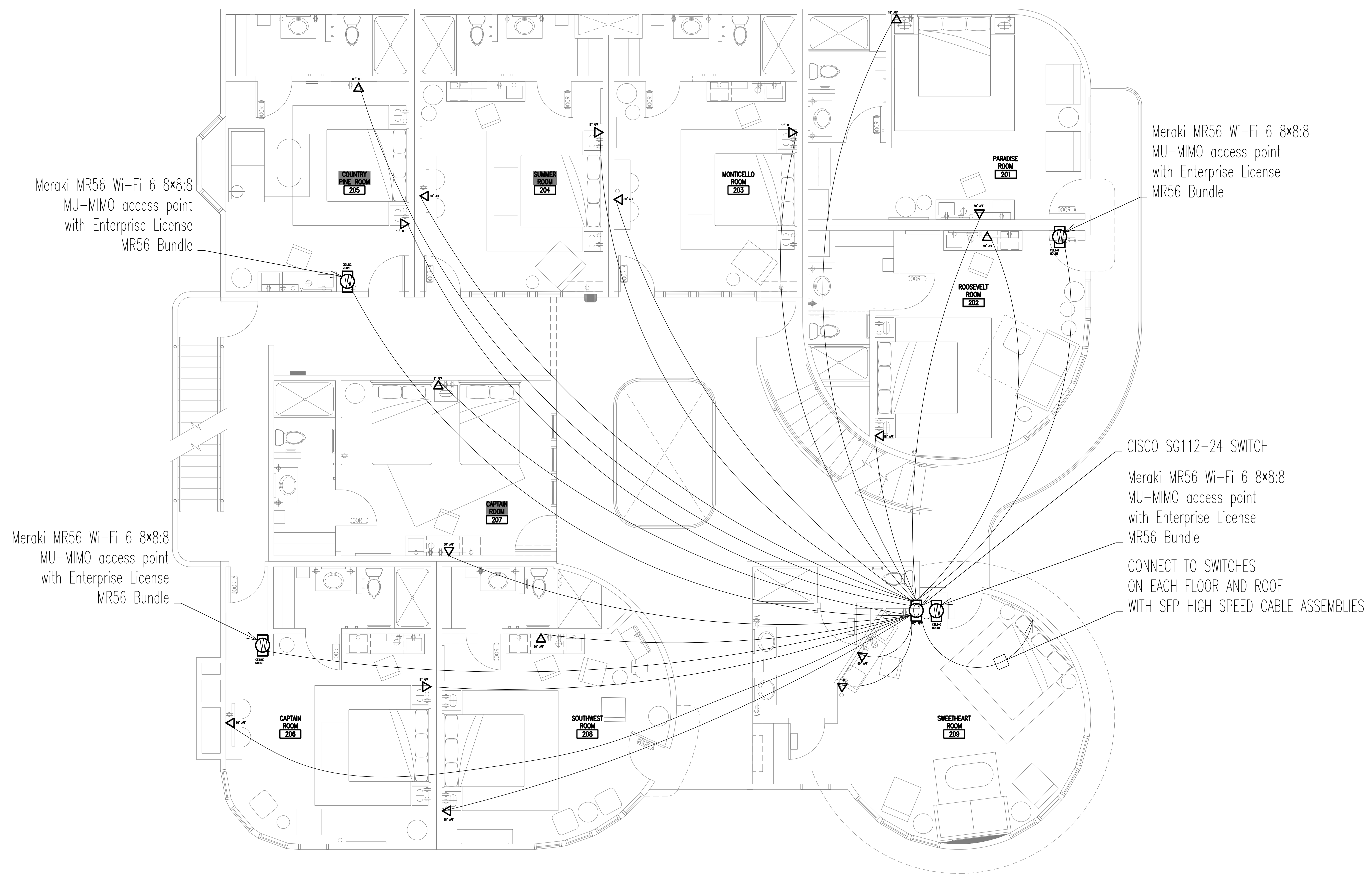


CITY STAMPS



02/18/2022 - THIRD CITY SUBMISSION

02/18/2022 - THIRD CITY SUBMISSION



Meraki MR56 Wi-Fi 6 8x8:8
MU-MIMO access point
with Enterprise License
MR56 Bundle

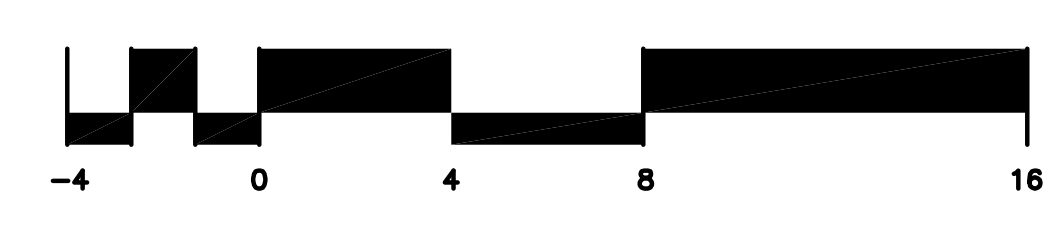
Meraki MR56 Wi-Fi 6 8x8:8
MU-MIMO access point
with Enterprise License
MR56 Bundle

Meraki MR56 Wi-Fi 6 8x8:8
MU-MIMO access point
with Enterprise License
MR56 Bundle

CISCO SG112-24 SWITCH

Meraki MR56 Wi-Fi 6 8x8:8
MU-MIMO access point
with Enterprise License
MR56 Bundle

CONNECT TO SWITCHES
ON EACH FLOOR AND ROOF
WITH SFP HIGH SPEED CABLE ASSEMBLIES



PROPOSED SECOND LEVEL FLOOR PLAN
1/4" = 1'-0"
NORTH

CITY STAMPS



PK ARCHITECTS
ARCHITECTS
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TEMPE, ARIZONA 85282
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FAX: (602) 283-1621



**CARDIFF
BY THE SEA
LODGE**

**142
CHESTERFIELD DR
CARDIFF
CALIFORNIA
92007**

| REVISION | DATE | COMMENTS |
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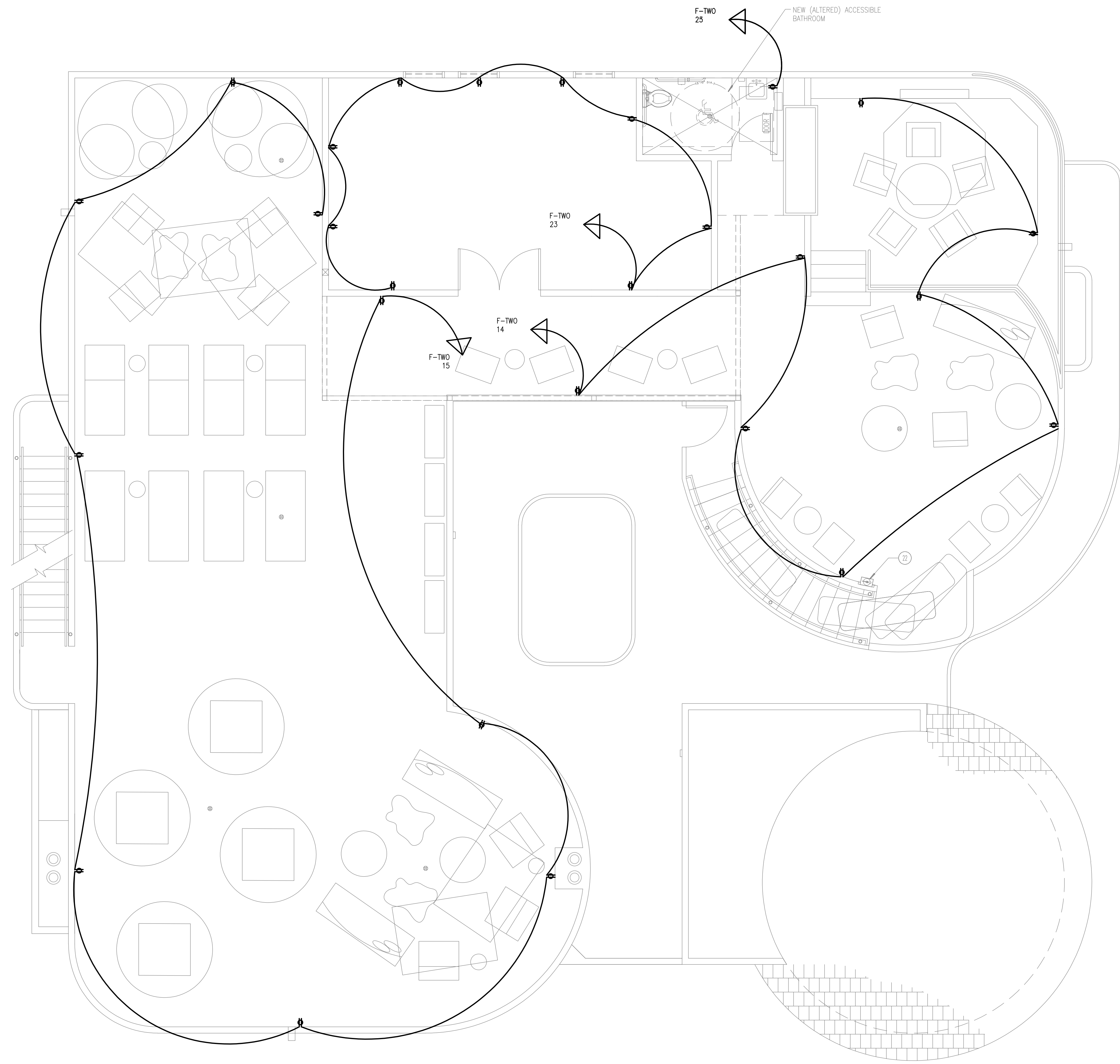
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| PROJECT NO: | 14-305.1 |
| CONTRACT DATE: | 11-09-2021 |
| DRAWN BY: | JAW |
| CHECKED BY: | JAW |

SHEET TITLE:
**NEW FLOOR 3
CEC
ART 800
INTERNET**

SHEET NUMBER:
E2.3W

02/18/2022 - THIRD CITY SUBMISSION

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ELECTRICAL NOTES

- REPLACE EXISTING 400A CHALLENGER (OBSOLETE) SWITCHBOARD
- WITH NEW SQUARE [D] SPEED-0 NEMA TYPE 3R SWITCHBOARD SHALL BE NO LESS THAN 400 AMP, 208Y/120 VOLT, 3-PHASE, 4 WIRE, MINIMUM 22 KVA AND SHALL DISTRIBUTE (3) 200 AMP 3-PHASE CIRCUITS TO NEW PANELS, ONE PANEL ON EACH FLOOR.
- MOVE EXISTING SOGAGE METER TO NEW SWITCHBOARD
- INSTALL NEW LUGS-ONLY 84-CIRCUIT PANEL "F-ZERO" ON THE PARKING LEVEL, MOVE EXISTING 100-15 AMP CIRCUITS TO THIS PANEL
- INSTALL (2) NEW LUGS-ONLY 3-PHASE 84-CIRCUIT PANELS ONE EACH AT THE EXISTING SINGLE PHASE PANEL LOCATIONS ON FLOOR 1 & 2
- CONNECT NEW BREAKERS IN THESE PANELS TO EXISTING CIRCUITS ON FLOORS 1 & 2 - LIGHTING AND POWER OUTLET CIRCUITS SHALL BE SEPARATE - CORRECT IF COMBINED LIGHTING AND POWER CIRCUIT EXISTS
- RUN NEW 3-PHASE CONDUCTORS TO NEW 3-PHASE 84-CIRCUIT PANELS ON FLOORS 1 & 2
- SEE ONE LINE DIAGRAM



PK ARCHITECTS
 ARCHITECTS
 PK ARCHITECTS, PC
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 FAX: (602) 283-1621



CARDIFF BY THE SEA LODGE

142 CHESTERFIELD DR
 CARDIFF CALIFORNIA 92007

| REVISION | DATE | COMMENTS |
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| 1 | 01/06/2022 | 1st City Plan and Bldg comments |
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| PROJECT NO: | 14-305.1 |
| CONTRACT DATE: | 11-09-2021 |
| DRAWN BY: | |
| CHECKED BY: | JAW |

SHEET TITLE:
PROPOSED ROOF/DECK ELECTRICAL PLAN

SHEET NUMBER:
E-2.4

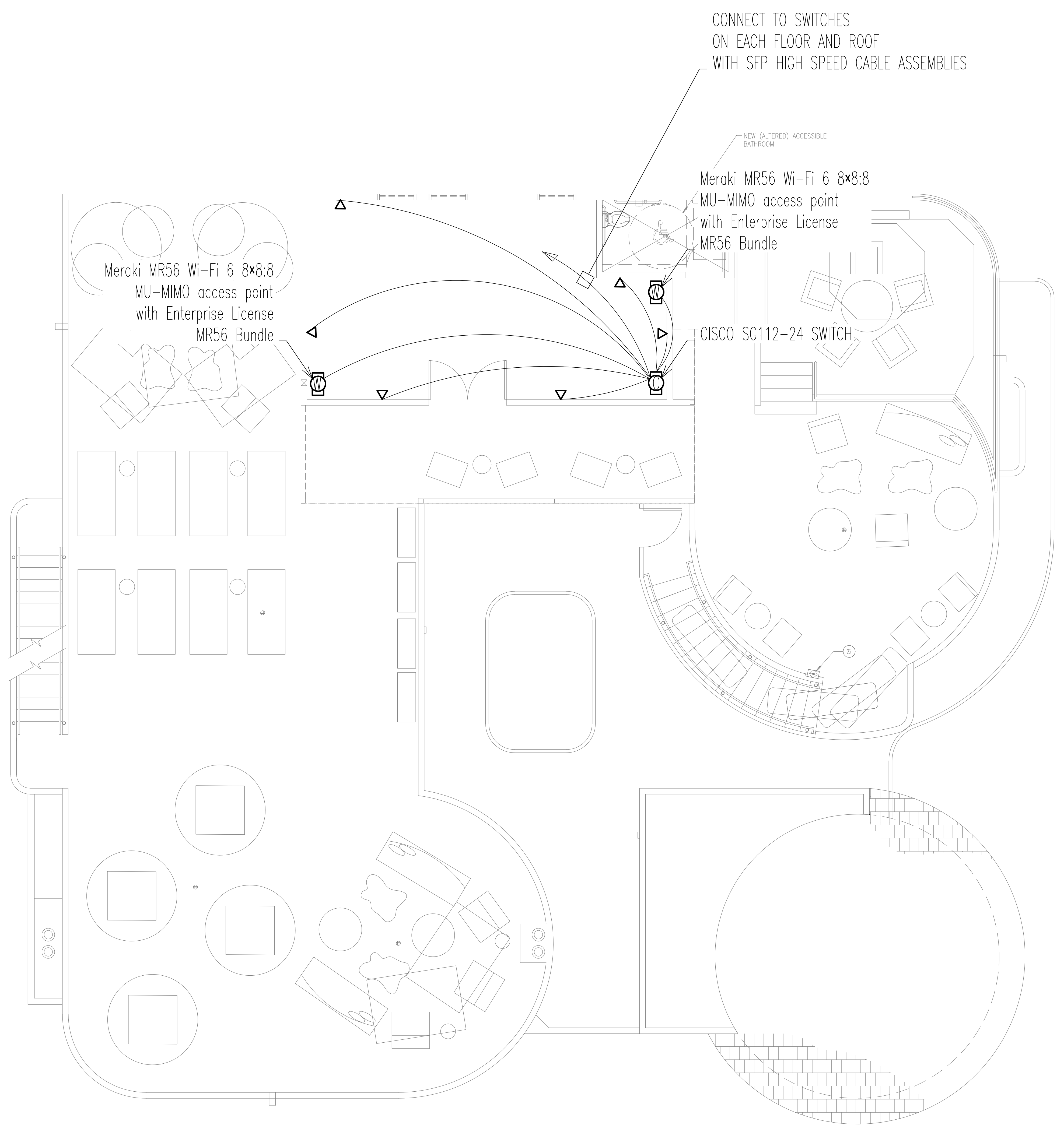
CITY STAMPS



PROPOSED ROOF/DECK ELECTRICAL PLAN
 1/4" = 1'-0"
 NORTH

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02/18/2022 - THIRD CITY SUBMISSION



PROPOSED ROOF/DECK ELECTRICAL PLAN
1/4" = 1'-0" NORTH

CITY STAMPS

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REGISTERED PROFESSIONAL ENGINEER
JOHN A. WHITCRAFT
E 20300
STATE OF CALIFORNIA

PK ARCHITECTS
ARCHITECTS
4515 S. McCLINTOCK DRIVE, #206
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FAX: (602) 283-1621

WHITCRAFT ENGINEERING SOLUTIONS INC.
ELECTRICAL ENGINEERING

CARDIFF BY THE SEA LODGE

142 CHESTERFIELD DR
CARDIFF CALIFORNIA 92007

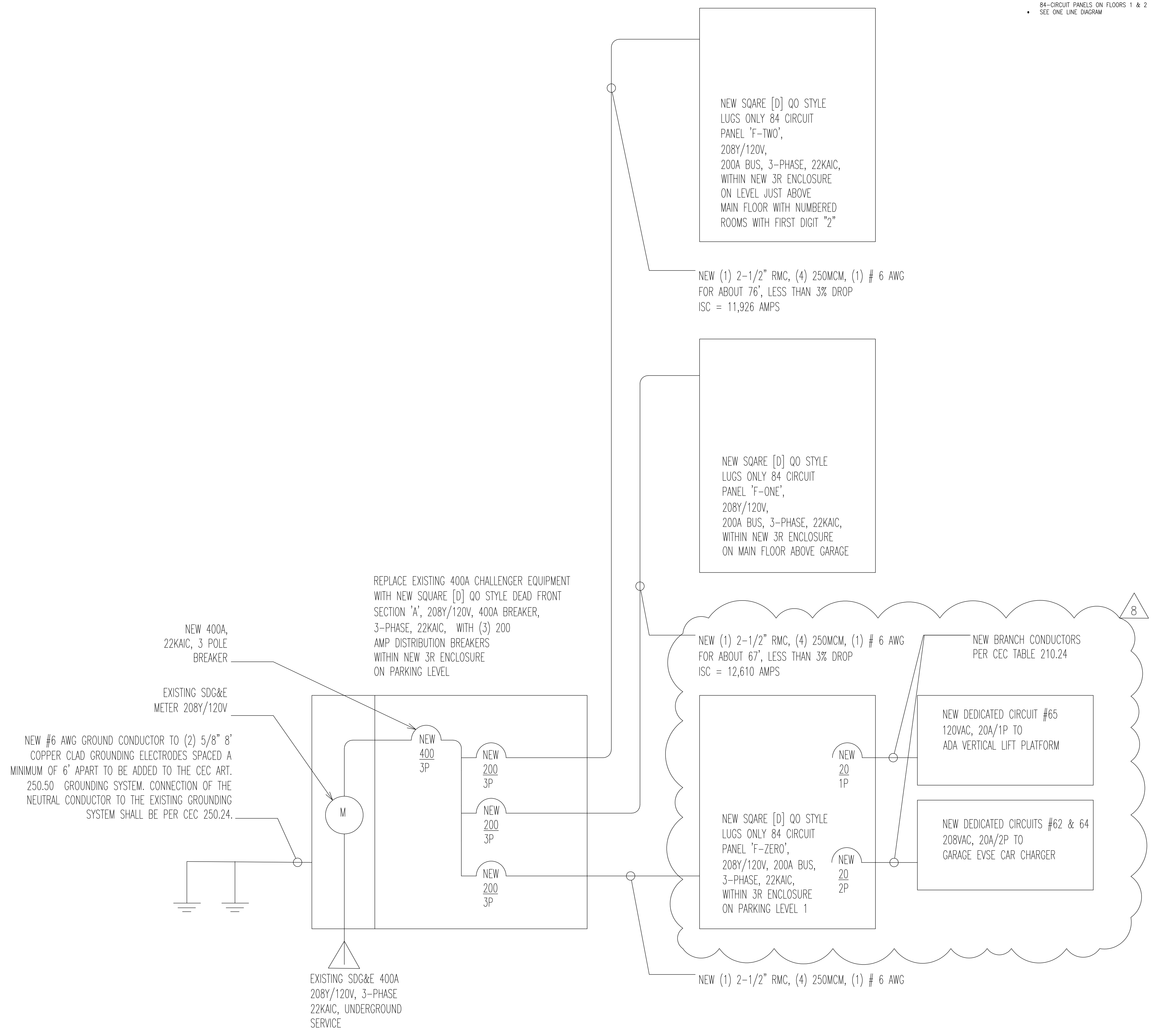
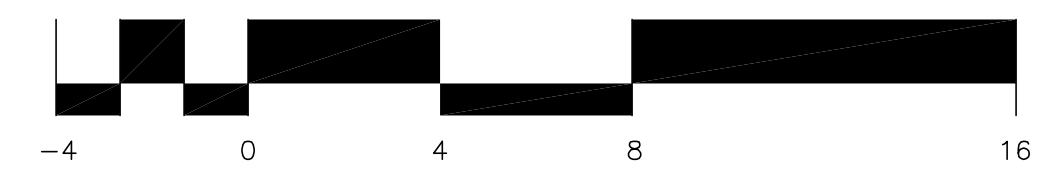
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PROJECT NO: 14-305.1
CONTRACT DATE: 11-09-2021
DRAWN BY:
CHECKED BY: JAW

SHEET TITLE:
PROPOSED ROOF/DECK CEC ART 800 INTERNET

SHEET NUMBER:
E-2.4W

02/18/2022 - THIRD CITY SUBMISSION



ONE LINE DIAGRAM
NORTH

CITY STAMPS

- ELECTRICAL NOTES**
- REPLACE EXISTING 400A CHALLENGER (OBSOLETE) SWITCHBOARD
 - WITH NEW SQUARE [D] SPEED-D NEMA TYPE 3R SWITCHBOARD SHALL BE NO LESS THAN 400 AMP, 208Y/120 VOLT, 3-PHASE, 4 WIRE, MINIMUM 22 KAIC AND SHALL DISTRIBUTE (3) 200 AMP, 3-PHASE CIRCUITS TO NEW PANELS, ONE PANEL ON EACH FLOOR.
 - MOVE EXISTING SDG&E METER TO NEW SWITCHBOARD
 - INSTALL NEW LUGS-ONLY 84-CIRCUIT PANEL 'F-ZERO' ON THE PARKING LEVEL, MOVE EXISTING 100-15 AMP CIRCUITS TO THIS PANEL
 - INSTALL (2) NEW LUGS-ONLY 3-PHASE 84-CIRCUIT PANELS ONE EACH AT THE EXISTING SINGLE PHASE PANEL LOCATIONS ON FLOOR 1 & 2
 - CONNECT NEW BREAKERS IN THESE PANELS TO EXISTING CIRCUITS ON FLOORS 1 & 2 - LIGHTING AND POWER OUTLET CIRCUITS SHALL BE SEPARATE - CORRECT IF COMBINED LIGHTING AND POWER CIRCUIT EXISTS
 - RUN NEW 3-PHASE CONDUCTORS TO NEW 3-PHASE 84-CIRCUIT PANELS ON FLOORS 1 & 2
 - SEE ONE LINE DIAGRAM



pk
ARCHITECTS
© 2022

PK ARCHITECTS, PC
4515 S. McCLINTOCK DRIVE, #206
TEMPE, ARIZONA 85282
PHONE: (602) 283-1620
FAX: (602) 283-1621



CARDIFF
BY THE SEA
LODGE

142
CHESTERFIELD DR
CARDIFF
CALIFORNIA
92007

| REVISION | DATE | COMMENTS |
|----------|------------|---------------------------------|
| △ | 01/06/2022 | 1st City Plan and Bldg comments |
| △ | 02/18/2022 | 2nd City Plan and Bldg comments |
| △ | 10/06/2023 | ADA VERTICAL LIFT PLATFORM |

| | |
|----------------|------------|
| PROJECT NO: | 14-305.1 |
| CONTRACT DATE: | 11-09-2021 |
| DRAWN BY: | |
| CHECKED BY: | JAW |

SHEET TITLE:
NEW ONE LINE DIAGRAM

SHEET NUMBER:
E-3.1

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF PK ARCHITECTS, P.C. ALL REVISIONS AND OTHER INFORMATION ON THESE DRAWINGS ARE FOR THE USE OF THE REFERRED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT EXPRESS WRITTEN PERMISSION OF PK ARCHITECTS, P.C. WITHIN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE OFFICE SHALL BE NOTIFIED IN WRITING OF ANY VARIATIONS FROM THE CONDITIONS AND CONDITIONS SHOWN ON THESE DRAWINGS. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF TEMPE AND THE STATE OF ARIZONA. THE CONTRACTOR SHALL VERIFY THE WORK TO BE DONE AGAINST THE CITY OF TEMPE RECORD DRAWINGS AND THE STATE OF ARIZONA RECORD DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF TEMPE AND THE STATE OF ARIZONA. PK ARCHITECTS, P.C. SHALL NOT BE RESPONSIBLE FOR DAMAGES TO PERSONS OR PROPERTY ARISING FROM THE USE OF THESE DRAWINGS.

02/18/2022 - THIRD CITY SUBMISSION

ELECTRICAL NOTES

- REPLACE EXISTING 400A CHALLENGER (OBSOLETE) SWITCHBOARD
- WITH NEW SQUARE [D] SPEED-D NEMA TYPE 3R SWITCHBOARD SHALL BE NO LESS THAN 400 AMP, 208Y/120 VOLT, 3-PHASE, 4 WIRE, MINIMUM 22 KAC AND SHALL DISTRIBUTE (3) 200 AMP, 3-PHASE CIRCUITS TO NEW PANELS, ONE PANEL ON EACH FLOOR.
- MOVE EXISTING SDC&E METER TO NEW SWITCHBOARD
- INSTALL NEW LUGS-ONLY 84-CIRCUIT PANEL "F-ZERO" ON THE PARKING LEVEL, MOVE EXISTING 100-15 AMP CIRCUITS TO THIS PANEL
- INSTALL (2) NEW LUGS-ONLY 3-PHASE 84-CIRCUIT PANELS ONE EACH AT THE EXISTING SINGLE PHASE PANEL LOCATIONS ON FLOOR 1 & 2
- CONNECT NEW BREAKERS IN THESE PANELS TO EXISTING CIRCUITS ON FLOORS 1 & 2 - LIGHTING AND POWER OUTLET CIRCUITS SHALL BE SEPARATE - CORRECT IF COMBINED LIGHTING AND POWER CIRCUIT EXISTS
- RUN NEW 3-PHASE CONDUCTORS TO NEW 3-PHASE 84-CIRCUIT PANELS ON FLOORS 1 & 2
- SEE ONE LINE DIAGRAM



PK ARCHITECTS, PC
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TEMPE, ARIZONA 85282
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FAX: (602) 283-1621



142
CHESTERFIELD DR
CARDIFF
CALIFORNIA
92007

| REVISION: | DATE: | COMMENTS: |
|-----------|------------|---------------------------------|
| 1 | 01/06/2022 | 1st City Plan and Bldg comments |
| 2 | 02/18/2022 | 2nd City Plan and Bldg comments |
| 3 | 10/06/2023 | ADA VERTICAL LIFT PLATFORM |

PROJECT NO: 14-305.1

CONTRACT DATE: 11-09-2021

DRAWN BY:

CHECKED BY: JAW

SHEET TITLE:

NEW PANEL SCHEDULES PARKING LEVEL

SHEET NUMBER:

E-4.1

02/18/2022 - THIRD CITY SUBMISSION

| PROJECT NAME: CARDIF SECTION A | | | | | | | | | | PROJECT NUMBER: 14305 | | | | | | | | | |
|--------------------------------|---|---|---|-----|---|---|---|-----|------|-----------------------|---|-----|---|---|-----------|-----|---|---|---|
| VOLTS 120 / 208 V | | | | | PANEL F-ZERO | | | | | LUGS ONLY | | | | | BUS 200 A | | | | |
| PHASE 3PH, 4 WIRE | | | | | LOCATION FLOOR 0 - PARKING LEVEL REPLACING EXISTING PANEL | | | | | SURFACE MOUNT | | | | | | | | | |
| A.I.C. 22,000 | | | | | FED FROM (N) SECTION A PARKING LEVEL BREAKER | | | | | | | | | | | | | | |
| LOAD DESCRIPTION | | | | | | | | | | LOAD DESCRIPTION | | | | | | | | | |
| VA LOAD | | | | | | | | | | VA LOAD | | | | | | | | | |
| NO. | A | B | C | NO. | A | B | C | NO. | A | B | C | NO. | A | B | C | NO. | A | B | C |
| 1 | | | | 1 | | | | 2 | | | | 1 | | | | 1 | | | |
| 2 | | | | 3 | | | | 4 | 180 | | | 2 | | | | 1 | | | |
| 3 | | | | 5 | | | | 6 | | | | 3 | | | | 1 | | | |
| 4 | | | | 7 | | | | 8 | | | | 4 | | | | 1 | | | |
| 5 | | | | 9 | | | | 10 | 180 | | | 5 | | | | 1 | | | |
| 6 | | | | 11 | | | | 12 | 180 | 120 | | 6 | | | | 1 | | | |
| 7 | | | | 13 | 180 | | | 14 | | | | 7 | | | | 1 | | | |
| 8 | | | | 15 | 1161 | | | 15 | | | | 8 | | | | 1 | | | |
| 9 | | | | 17 | | | | 16 | 180 | | | 9 | | | | 1 | | | |
| 10 | | | | 19 | 0 | | | 18 | | | | 10 | | | | 1 | | | |
| 11 | | | | 21 | 0 | | | 20 | | | | 11 | | | | 1 | | | |
| 12 | | | | 23 | 0 | | | 22 | | | | 12 | | | | 1 | | | |
| 13 | | | | 25 | 1440 | | | 24 | 0 | | | 13 | | | | 1 | | | |
| 14 | | | | 27 | 1080 | | | 26 | | | | 14 | | | | 1 | | | |
| 15 | | | | 29 | 1440 | | | 28 | 1440 | | | 15 | | | | 1 | | | |
| 16 | | | | 31 | 1080 | | | 29 | 1080 | | | 16 | | | | 1 | | | |
| 17 | | | | 33 | 1080 | | | 30 | 1080 | | | 17 | | | | 1 | | | |
| 18 | | | | 35 | 1080 | | | 32 | 1080 | | | 18 | | | | 1 | | | |
| 19 | | | | 37 | 1080 | | | 34 | 1080 | | | 19 | | | | 1 | | | |
| 20 | | | | 39 | 1080 | | | 36 | 1080 | | | 20 | | | | 1 | | | |
| 21 | | | | 41 | 1080 | | | 38 | 1080 | | | 21 | | | | 1 | | | |
| 22 | | | | 43 | 1080 | | | 40 | 1080 | | | 22 | | | | 1 | | | |
| 23 | | | | 45 | 1440 | | | 42 | 1080 | | | 23 | | | | 1 | | | |
| 24 | | | | 47 | 1080 | | | 44 | 1440 | | | 24 | | | | 1 | | | |
| 25 | | | | 49 | 1080 | | | 46 | 1080 | | | 25 | | | | 1 | | | |
| 26 | | | | 51 | 1080 | | | 48 | 1440 | | | 26 | | | | 1 | | | |
| 27 | | | | 53 | 1080 | | | 50 | 1080 | | | 27 | | | | 1 | | | |
| 28 | | | | 55 | 1080 | | | 52 | 1080 | | | 28 | | | | 1 | | | |
| 29 | | | | 57 | 1080 | | | 54 | 1080 | | | 29 | | | | 1 | | | |
| 30 | | | | 59 | 1080 | | | 56 | 1080 | | | 30 | | | | 1 | | | |
| 31 | | | | 61 | 1920 | | | 58 | 1080 | | | 31 | | | | 1 | | | |
| 32 | | | | 63 | | | | 60 | 1080 | | | 32 | | | | 1 | | | |
| 33 | | | | 65 | | | | 62 | 1920 | | | 33 | | | | 1 | | | |
| 34 | | | | 67 | 0 | | | 64 | 1920 | | | 34 | | | | 1 | | | |
| 35 | | | | 69 | | | | 66 | | | | 35 | | | | 1 | | | |
| 36 | | | | 71 | | | | 68 | | | | 36 | | | | 1 | | | |
| 37 | | | | 73 | 0 | | | 70 | | | | 37 | | | | 1 | | | |
| 38 | | | | 75 | | | | 72 | | | | 38 | | | | 1 | | | |
| 39 | | | | 77 | | | | 74 | | | | 39 | | | | 1 | | | |
| 40 | | | | 79 | 0 | | | 76 | | | | 40 | | | | 1 | | | |
| 41 | | | | 81 | | | | 78 | | | | 41 | | | | 1 | | | |
| 42 | | | | 83 | | | | 80 | | | | 42 | | | | 1 | | | |
| 43 | | | | 85 | | | | 82 | | | | 43 | | | | 1 | | | |
| 44 | | | | 87 | | | | 84 | | | | 44 | | | | 1 | | | |
| 45 | | | | 89 | | | | 86 | | | | 45 | | | | 1 | | | |
| 46 | | | | 91 | | | | 88 | | | | 46 | | | | 1 | | | |
| 47 | | | | 93 | | | | 90 | | | | 47 | | | | 1 | | | |
| 48 | | | | 95 | | | | 92 | | | | 48 | | | | 1 | | | |
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| 52 | | | | 103 | | | | 100 | | | | 52 | | | | 1 | | | |
| 53 | | | | 105 | | | | 102 | | | | 53 | | | | 1 | | | |
| 54 | | | | 107 | | | | 104 | | | | 54 | | | | 1 | | | |
| 55 | | | | 109 | | | | 106 | | | | 55 | | | | 1 | | | |
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| 58 | | | | 115 | | | | 112 | | | | 58 | | | | 1 | | | |
| 59 | | | | 117 | | | | 114 | | | | 59 | | | | 1 | | | |
| 60 | | | | 119 | | | | 116 | | | | 60 | | | | 1 | | | |
| 61 | | | | 121 | | | | 118 | | | | 61 | | | | 1 | | | |
| 62 | | | | 123 | | | | 120 | | | | 62 | | | | 1 | | | |
| 63 | | | | 125 | | | | 122 | | | | 63 | | | | 1 | | | |
| 64 | | | | 127 | | | | 124 | | | | 64 | | | | 1 | | | |
| 65 | | | | 129 | | | | 126 | | | | 65 | | | | 1 | | | |
| 66 | | | | 131 | | | | 128 | | | | 66 | | | | 1 | | | |
| 67 | | | | 133 | | | | 130 | | | | 67 | | | | 1 | | | |
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| 92 | | | | 183 | | | | 180 | | | | 92 | | | | 1 | | | |
| 93 | | | | 185 | | | | 182 | | | | 93 | | | | 1 | | | |
| 94 | | | | 187 | | | | 184 | | | | 94 | | | | 1 | | | |
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| 98 | | | | 195 | | | | 192 | | | | 98 | | | | 1 | | | |
| 99 | | | | 197 | | | | 194 | | | | 99 | | | | 1 | | | |
| 100 | | | | 199 | | | | 196 | | | | 100 | | | | | | | |

| PROJECT NAME: CARDIF SECTION A | | | | | | | | | | PROJECT NUMBER: 3718A | | | | | | | | | |
|--------------------------------|-----|-----|-----|---|--|------|---|------|----|-----------------------|---|-----|-----|-----|-------------------------|--|--|--|--|
| VOLTS 120 / 208 V | | | | | PANEL F-ONE | | | | | LUGS ONLY | | | | | | | | | |
| PHASE 3PH, 4 WIRE | | | | | LOCATION FLOOR 1 REPLACING EXISTING PANEL | | | | | BUS 200 A | | | | | | | | | |
| A.I.C. 22,000 | | | | | FED FROM (N) SECTION A PARKING LEVEL BREAKER | | | | | SURFACE MOUNT | | | | | | | | | |
| LOAD DESCRIPTION | | | | | | | | | | LOAD DESCRIPTION | | | | | | | | | |
| CNT | REC | MSC | AMP | P | NO | A | B | C | NO | AMP | P | MSC | REC | CNT | DESCRIPTION | | | | |
| 2 | | | 15 | 1 | 16 | | | | 2 | 15 | 1 | | | 2 | LIGHTS OUTDOOR STAIR NW | | | | |
| | | | | | 22 | | | | | | | | | | | | | | |
| 2 | | | 15 | 1 | 3 | 16 | | | 4 | 15 | 1 | | | 2 | LIGHTS ROOM 103 | | | | |
| | | | | | 16 | | | | | | | | | | | | | | |
| 3 | | | 15 | 1 | 5 | | | 24 | 15 | 1 | | | | 2 | LIGHTS ROOM 102 | | | | |
| | | | | | 1 | | | 16 | 6 | 1 | | | | | | | | | |
| 7 | | | 15 | 1 | 7 | 76 | | | 8 | 15 | 1 | | | 2 | LIGHTS ROOM 107 | | | | |
| | | | | | 1 | 16 | | | | | | | | | | | | | |
| 3 | | | | | 9 | 24 | | | 10 | 15 | 1 | | | 2 | LIGHTS ROOM 108 | | | | |
| | | | | | 3 | 16 | | | | | | | | | | | | | |
| 5 | | | 15 | 1 | 11 | | | 40 | 20 | 1 | | | | 1 | FRONT LIGHT POST | | | | |
| | | | | | 1 | | | 180 | 12 | 1 | | | | | | | | | |
| | 1 | | 20 | 1 | 13 | 180 | | | 14 | 20 | 1 | | 6 | | MWBOUTLETS ROOM 104 | | | | |
| | | | | | 1 | 1080 | | | | | | | | | | | | | |
| | 6 | | 20 | 1 | 15 | 1080 | | | 16 | 20 | 1 | | 1 | | MWBOUTLETS ROOM 104 B | | | | |
| | | | | | 1 | 180 | | | | | | | | | | | | | |
| | 6 | | 20 | 1 | 17 | | | 1080 | 18 | 20 | 1 | | 7 | | MWBOUTLETS ROOM 104 | | | | |
| | | | | | 1 | 1260 | | | | | | | | | | | | | |
| | 8 | | 20 | 1 | 19 | 1440 | | | 20 | 20 | 1 | | 1 | | MWBOUTLETS ROOM 103 B | | | | |
| | | | | | 1 | 180 | | | | | | | | | | | | | |
| | 9 | | 20 | 1 | 21 | | | 1620 | 22 | 20 | 1 | | 6 | | MWBOUTLETS ROOM 103 | | | | |
| | | | | | 1 | 1080 | | | | | | | | | | | | | |
| | | 1 | 15 | | 23 | | | 22 | 20 | 1 | | | 7 | | MWBOUTLETS ROOM 103 | | | | |
| | | | | | 2 | 900 | | | 26 | 20 | 1 | | 5 | | MWBOUTLETS ROOM 101 | | | | |
| | | | | | 27 | 22 | | | 28 | 20 | 1 | | 5 | | MWBOUTLETS ROOM 101 | | | | |
| | | | | | 29 | 900 | | | | | | | | | | | | | |
| | | | | | 25 | 22 | | | 32 | 20 | 1 | | 6 | | MWBOUTLETS ROOM 102 | | | | |
| | | | | | 2 | 900 | | | 34 | 20 | 1 | | 1 | | MWBOUTLETS ROOM 102 B | | | | |
| | | | | | 31 | 22 | | | 36 | 20 | 1 | | 6 | | MWBOUTLETS ROOM 102 | | | | |
| | | | | | 33 | 1080 | | | 38 | 20 | 1 | | 3 | | MWB MAIN WKWAY OUTLETS | | | | |
| | | | | | 2 | 22 | | | 40 | 20 | 1 | | 3 | | MWB MAIN WKWAY OUTLETS | | | | |
| | | | | | 35 | 540 | | | 42 | 20 | 1 | | 3 | | MWB MAIN WKWAY OUTLETS | | | | |
| | | | | | 37 | 22 | | | 44 | 20 | 1 | | 1 | | MWBOUTLETS ROOM 107 B | | | | |
| | | | | | 2 | 540 | | | 46 | 20 | 1 | | 4 | | MWBOUTLETS ROOM 107 | | | | |
| | | | | | 39 | 22 | | | 48 | 20 | 1 | | 4 | | MWBOUTLETS ROOM 107 | | | | |
| | | | | | 41 | 540 | | | 50 | 20 | 1 | | 6 | | MWBOUTLETS ROOM 106 | | | | |
| | | | | | 2 | 540 | | | 52 | 20 | 1 | | 7 | | MWBOUTLETS ROOM 106 | | | | |
| | | | | | 43 | 22 | | | 54 | 20 | 1 | | 1 | | MWBOUTLETS ROOM 106 B | | | | |
| | | | | | 45 | 180 | | | 56 | 20 | 1 | | 7 | | MWBOUTLETS ROOM 108 | | | | |
| | | | | | 2 | 720 | | | 58 | 20 | 1 | | 1 | | MWBOUTLETS ROOM 108 B | | | | |
| | | | | | 47 | 22 | | | 60 | 20 | 1 | | 6 | | MWBOUTLETS ROOM 108 | | | | |
| | | | | | 49 | 22 | | | 62 | 20 | 1 | | 1 | | MWBOUTLETS ROOM 109 B | | | | |
| | | | | | 2 | 1080 | | | 64 | 20 | 1 | | 4 | | MWBOUTLETS ROOM 109 | | | | |
| | | | | | 51 | 22 | | | 66 | 20 | 1 | | 5 | | OFFICE 110 | | | | |
| | | | | | 53 | 1260 | | | 68 | 20 | 1 | | 1 | | OFFICE DISHWASHER | | | | |
| | | | | | 2 | 180 | | | 70 | 20 | 1 | | 1 | | OFFICE REFRIGERATOR | | | | |
| | | | | | 55 | 22 | | | 72 | | | | | | | | | | |
| | | | | | 2 | 1260 | | | 74 | | | | | | | | | | |
| | | | | | 57 | 22 | | | 76 | | | | | | | | | | |
| | | | | | 2 | 180 | | | 78 | | | | | | | | | | |
| | | | | | 59 | 1080 | | | 80 | | | | | | | | | | |
| | | | | | 61 | 180 | | | 82 | | | | | | | | | | |
| | | | | | 63 | | | | 84 | | | | | | | | | | |
| | | | | | 65 | 720 | | | | | | | | | | | | | |
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| | | | | | 2 | 1400 | | | | | | | | | | | | | |
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