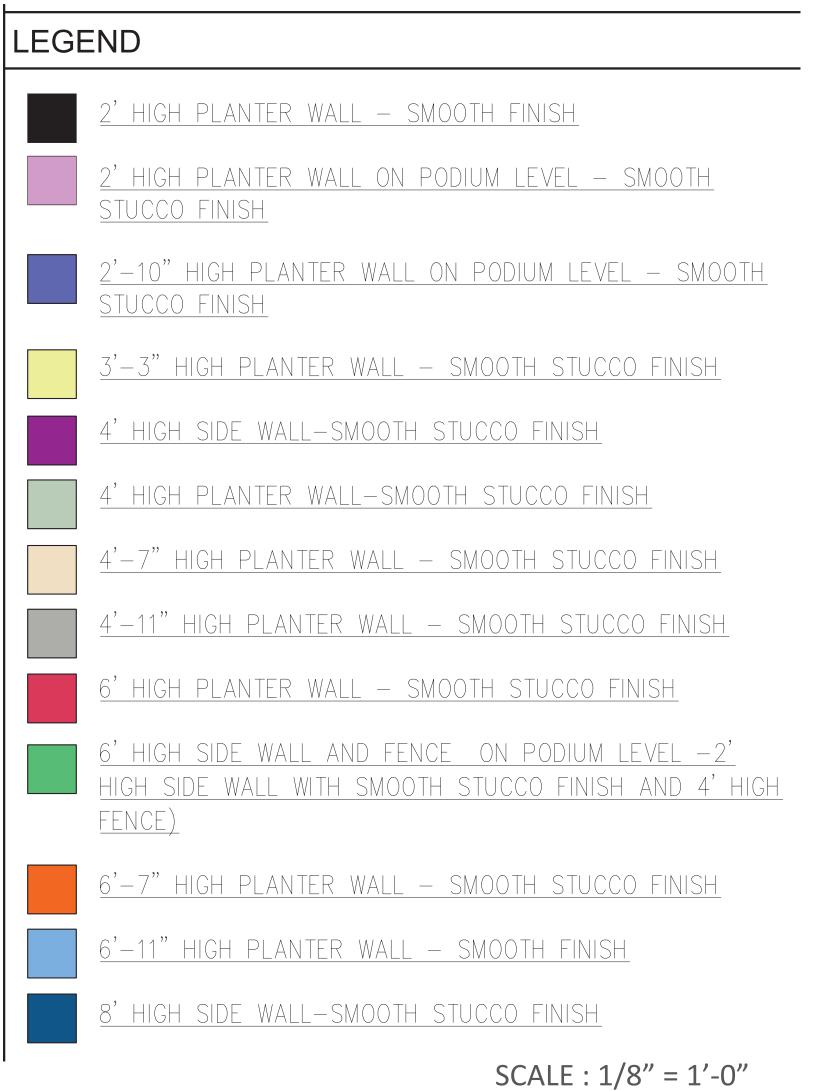


NOTES

- 1. WHERE INFORMATION IS UNCLEAR OR CONFLICTS ARE FOUND CONTACT THE ARCHITECT FOR DIRECTION PRIOR TO PROCEEDING.
- 2. ANY PLANTERS USED FOR LANDSCAPING THE FRONT YARD ARE TO BE LOW IN HEIGHT. WHERE INFORMATION IS UNCLEAR OR CONFLICTS ARE FOUND CONTACT THE ARCHITECT FOR DIRECTION PRIOR TO PROCEEDING.
- 3. PER THE CITY'S BURBANK 2035 GENERAL PLAN MOBILITY ELEMENT, THE CITY HAS SET SPECIFIC SIDEWALK WIDTH REQUIREMENTS FOR BURBANK'S STREETS. BASED ON TABLE M-2 (PAGE 4-21) OF THE BURBANK 2035 GENERAL PLAN'S HIGH DENSITY RESIDENTIAL LAND USE DESIGNATION, THE STANDARD WIDTH OF THE STREET IS 12-FOOT WIDE SIDEWALKS (FROM EDGE OF CURB TO PROPERTY LINE). DEVELOPMENT SHALL PROVIDE SIDEWALK WIDTH OF 12 FEET.
- 4. HARDSCAPE MATERIAL IS TO BE A COMBINATION OF GRAY STUCCO FOR PLANTER WALLS AND 4' x 4' CONCRETE PAVEMENT TILES FOR WALKWAYS. PLANTERS MUST BE CONSTRUCTED OF PERMANENT MASONRY OR CONCRETE CONSTRUCTION PER THE CITY'S ZONING CODE.



DIAGRAMS: SITE WALLS AND FENCES



408 S. Pasadena Ave. #6, Pasadena CA 91105 - 626.381.9677



NOTES

- 1. LIGHTING MUST BE PROVIDED IN ALL COMMON AREAS INCLUDING, BUT LIMITED TO: PARKING GARAGES, OUTDOOR PARKING AREAS, COMMON OPEN SPACE AREAS, PEDESTRIAN PATHS, STAIRWAYS, AND HALLWAYS.
- OUTDOOR LIGHTING FIXTURES MUST BE POSITIONED AND DIRECTED SO AS NOT TO SHINE OR CAUSE GLARE ONTO ADJACENT PROPERTIES OR PUBLIC RIGHTS-OF-WAY.
- 3. FREE-STANDING LIGHTING FIXTURES MUST BE NO TALLER THAN EIGHT (8) FEET AS MEASURED FROM THE ABUTTING GROUND SURFACE OR FLOOR LEVEL.
- 4. ALL LIGHTING FIXTURES MUST BE CONSISTENT WITH THE ARCHITECTURAL STYLE OF THE BUILDING.

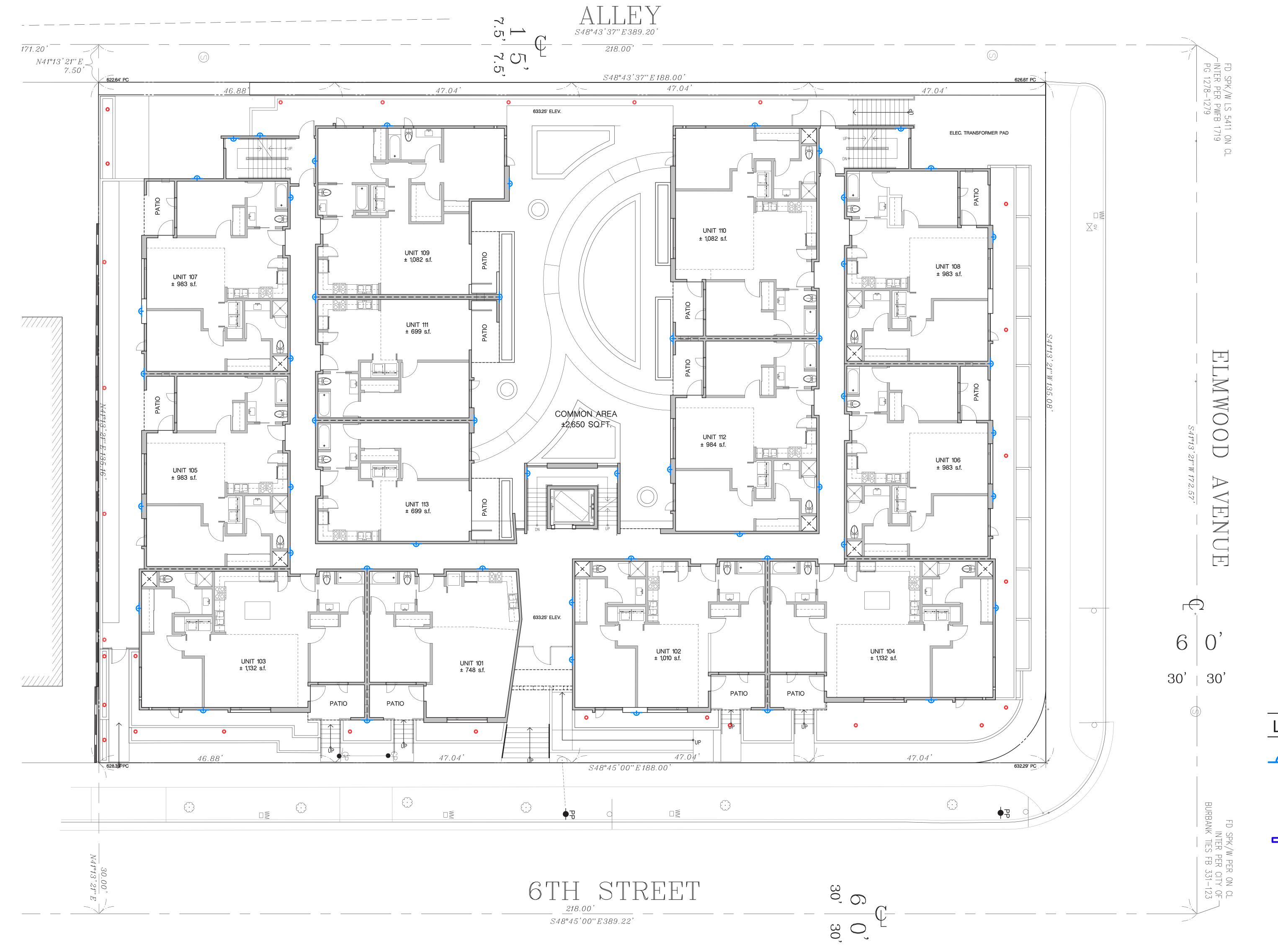
LEGEND

- WALL MOUNTED LIGHTING FIXTURE (SEE AD-1 FOR DETAILS)
- LANDSCAPE LIGHTING (SEE AD-1 FOR DETAILS)
- SURFACE-MOUNT MAINTENANCE-FREE STRIP LIGHTING (SEE AD-1 FOR DETAILS)

SCALE: 1/8'' = 1'-0''

COMMON SPACE LIGHTING PLAN- GARAGE LEVEL





NOTES

- 1. LIGHTING MUST BE PROVIDED IN ALL COMMON AREAS INCLUDING, BUT LIMITED TO: PARKING GARAGES, OUTDOOR PARKING AREAS, COMMON OPEN SPACE AREAS, PEDESTRIAN PATHS, STAIRWAYS, AND HALLWAYS.
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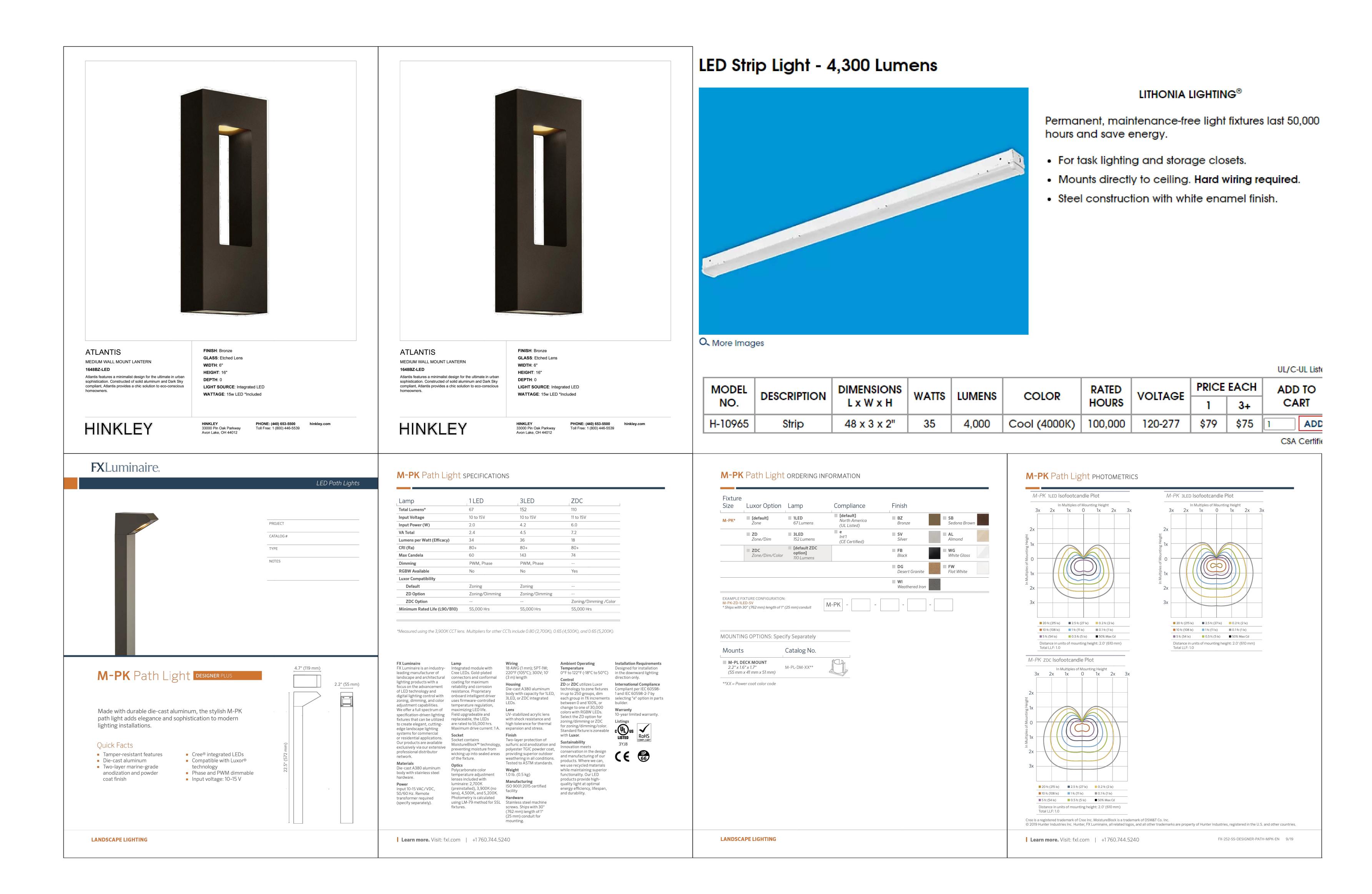
LEGEND

- WALL MOUNTED LIGHTING FIXTURE (SEE AD-1 FOR DETAILS)
- LANDSCAPE LIGHTING (SEE AD-1 FOR DETAILS)
- SURFACE-MOUNT MAINTENANCE-FREE STRIP LIGHTING (SEE AD-1 FOR DETAILS)

SCALE: 1/8'' = 1'-0''

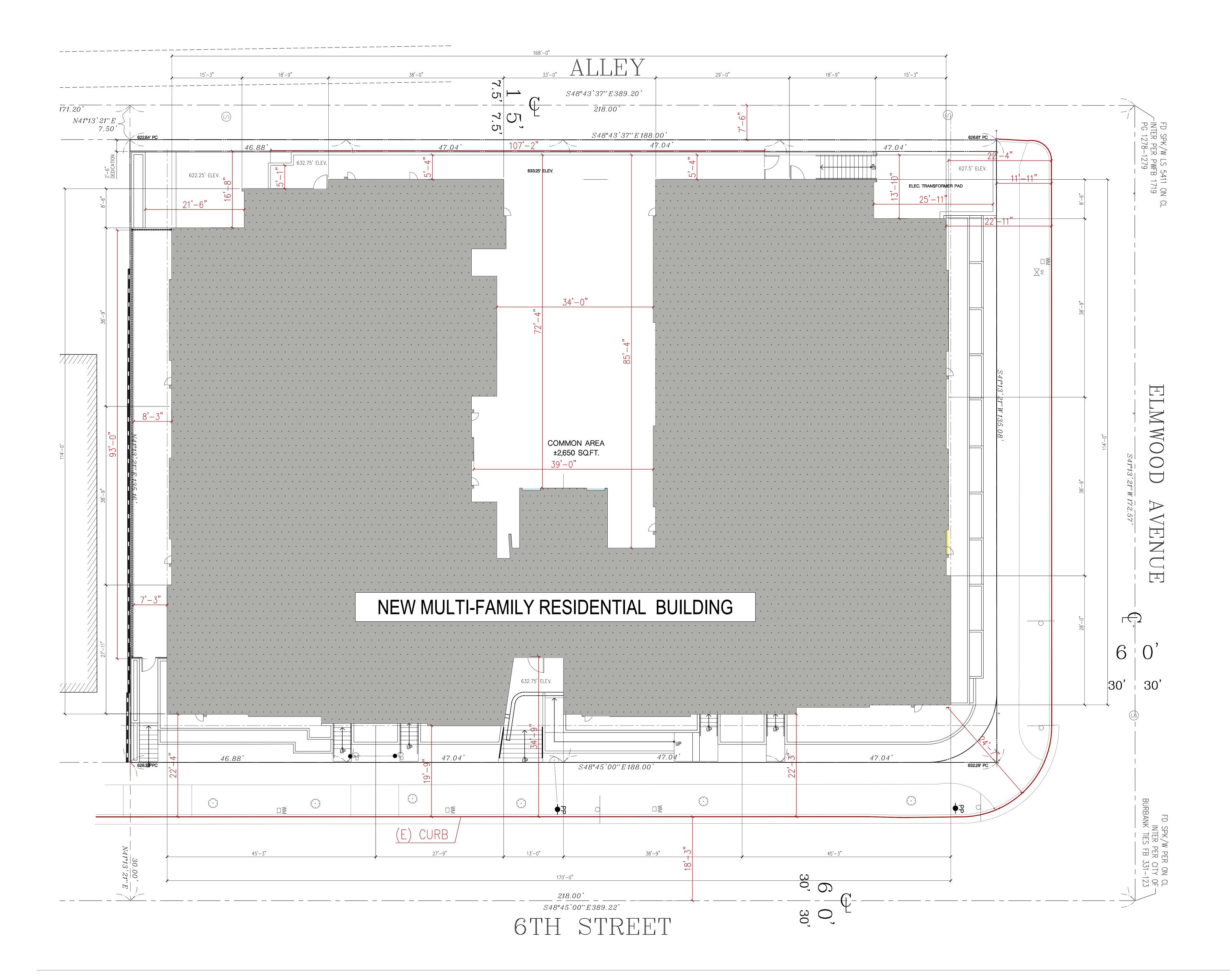
COMMON SPACE LIGHTING PLANS- TYPICAL





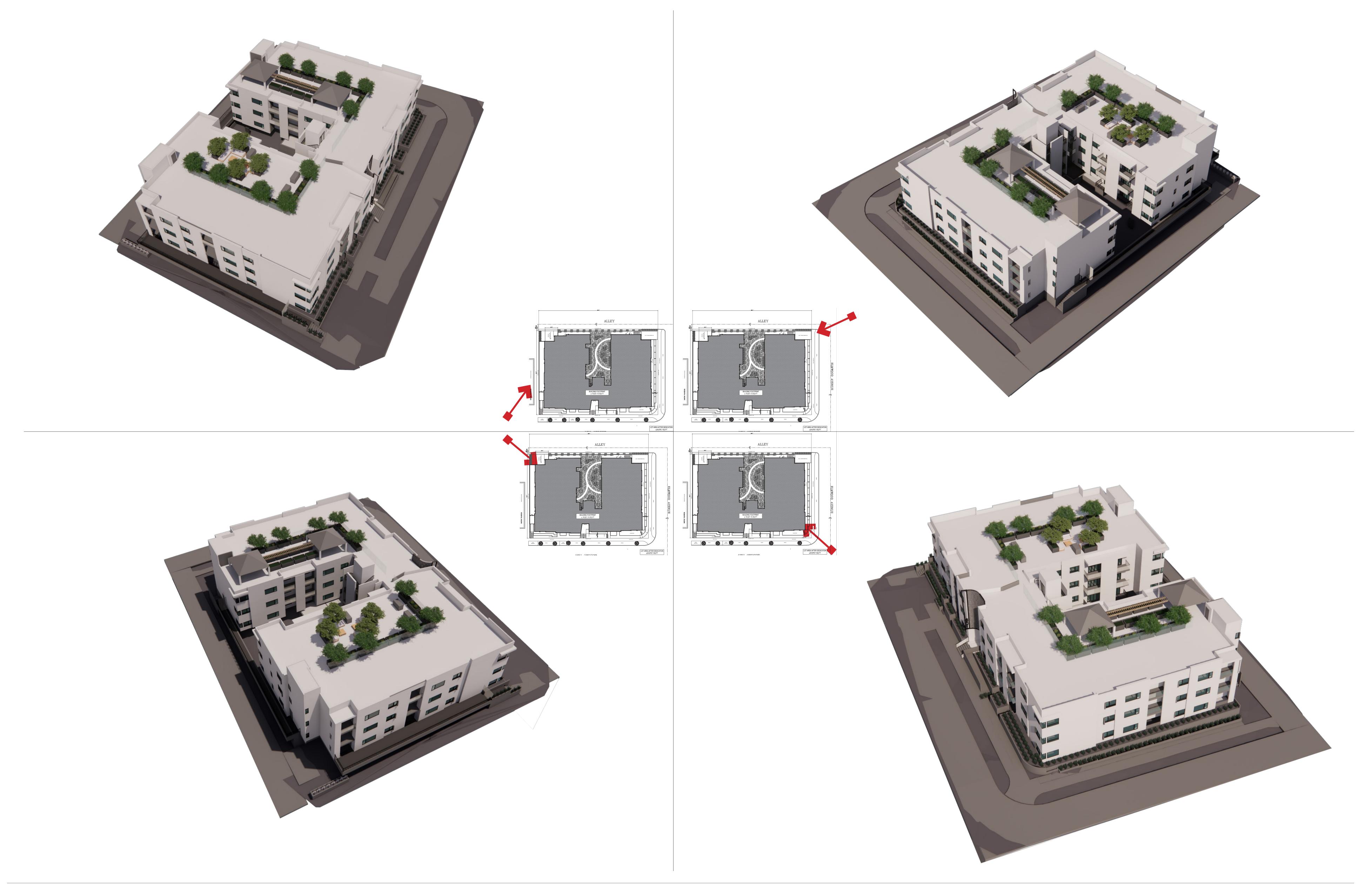
AD-1: LIGHTING FIXTURES





SUPPLEMENTAL DIAGRAM





3D VIEWS: MASSING STUDIES







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DATE 08-11-20

SCALE AS SHOWN

DRAWN BY SH

CHECKED BY AA

REVISIONS/PLAN LOG

PROJECT AND CLIENT NAME

6TH STREET RESIDENCE

801-817 6TH STREET BURBANK, CA 91501

SHEET DESCRIPTION

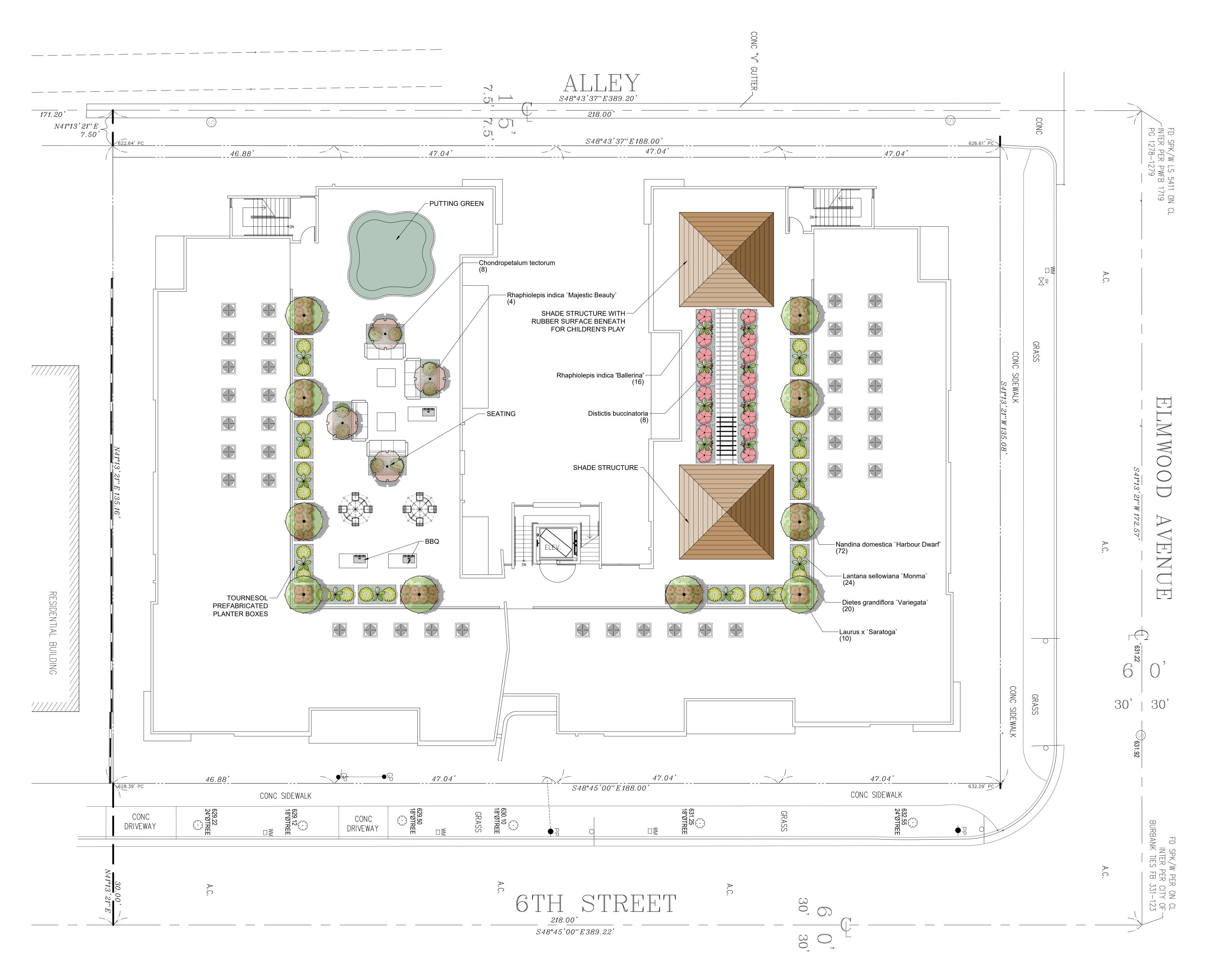
GROUND FLOOR LANDSCAPE PLAN

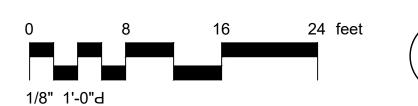
SHEET NUMBER L-1.0 OF 3

PROJECT NUMBER

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PROJECT AND CLIENT NAME

6TH STREET RESIDENCE

801-817 6TH STREET BURBANK, CA 91501

SHEET DESCRIPTION

ROOF DECK LANDSCAPE PLAN

SHEET NUMBER L-1.1 OF 3

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PLANT SCHEDULE GROUND FLOOR

		<u> </u>			
TREES	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE	<u>QTY</u>
	Agonis flexuosa `Jervis Bay Afterdark`	Red Peppermint Tree	15 gal	Low	6
•	Existing Tree		Existing	Moderate	6
	Laurus x `Saratoga`	Saratoga Hybrid Laurel	15 gal	Low	5
	Rhaphiolepis indica `Majestic Beauty`	Majestic Beauty Indian Hawthorn	15 gal	Low	3
SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE	QTY
	Agave attenuata `Huntington Blue`	Century Plant	5 gal	Low	19
	Callistemon viminalis `Little John`	Dwarf Weeping Bottlebrush	5 gal	Low	90
O CONTRACTOR OF THE PARTY OF TH	Carex tumulicola	Foothill Sedge	1 gal	Low	29
	Chondropetalum tectorum	Cape Rush	1 gal	Low	15
	Dietes grandiflora `Variegata`	Striped Fortnight Lily	5 gal	Low	21
	Hardenbergia violacea	Lilac Vine	5 gal	Low	35
	Nandina domestica `Harbour Dwarf`	Harbour Dwarf Heavenly Bamboo	1 gal	Low	35
	Phormium tenax 'Jack Spratt'	New Zealand Flax	1 gal	Low	327
	Rhaphiolepis indica 'Conor'	Eleanor Tabor Indian Hawthorn	5 gal	Low	31
GROUND COVERS	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE	QTY
	Senecio mandraliscae `Blue Chalk Sticks` Space 18" o.c.	Senecio	1 gal	Low	950 sf

PLANT SCHEDULE ROOF DECK

TREES	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE	QTY
	Laurus x `Saratoga`	Saratoga Hybrid Laurel	15 gal	Low	10
	Rhaphiolepis indica `Majestic Beauty`	Majestic Beauty Indian Hawthorn	15 gal	Low	4
SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE	QTY
	Chondropetalum tectorum	Cape Rush	1 gal	Low	8
	Dietes grandiflora `Variegata`	Striped Fortnight Lily	5 gal	Low	20
. 200 -	Distictis buccinatoria	Blood Red Trumpet Vine	5 gal	Moderate	8
	Lantana sellowiana `Monma`	White Lightnin`® Trailing Lantana	1 gal	Very Low	24
	Nandina domestica `Harbour Dwarf`	Harbour Dwarf Heavenly Bamboo	1 gal	Low	72
	Rhaphiolepis indica 'Ballerina'	Ballerina Indian Hawthorn	5 gal	Low	16

NOTE: PROVIDE MINIMUM SOIL DEPTH OF 12" FOR AREAS PLANTED WITH TURF/ GROUND COVER, 24" FOR ALL PLANTERS, AND 36" FOR PLANTERS WITH TREES. LID PLANTERS TO BE DESIGNED BY CIVIL ENGINEER.



Agonis flexuosa 'Jervis Bay Afterdark'



Laurus 'Saratoga'



Rhaphiolepis 'Majestic Beauty'



Agave attenuata



Callistemon viminalis 'Little John'



Carex tumulicola



Chondropetalum tectorum



Dietes variegata



Distictus buccinatoria



Hardenbergia 'Happy Wanderer'



Lantana 'White Lightning'



Nandina 'Harbor Dwarf'



Phormium t. 'Jack Spratt'



Rhaphiolepis indica



Senecio 'Blue Chalk Sticks'



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REVISIONS/PLAN LOG

PROJECT AND CLIENT NAME

6TH STREET RESIDENCE

801-817 6TH STREET BURBANK, CA 91501

SHEET DESCRIPTION

PLANT LEGENDS AND GALLERY

> SHEET NUMBER L-1.2 OF 3 PROJECT NUMBER

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1. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF NATIONAL ELECTRIC CODE AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL CODES. WHERE THE PLANS SHOW MORE RESTRICTIVE REQUIREMENTS. THE PLANS SHALL GOVERN BUT NOTHING ON THESE

PLANS SHALL BE INTERPRETED AS AUTHORITY TO VIOLATE ANY CODE OR REGULATION. 2. PROVIDE ALL LABOR, MATERIALS, APPLIANCES, TOOLS, EQUIPMENT, FACILITIES, TRANSPORTATION, AND SERVICES NECESSARY FOR AND INCIDENTAL TO PERFORMING ALL OPERATIONS IN CONNECTION WITH FURNISHING, INSTALLATION, AND MAKING FULLY OPERATIONAL THE WORK OF THIS DIVISION, COMPLETE, AND AS SHOWN AND/OR SPECIFIED HEREIN. EXCEPT SUCH MATERIAL OR EQUIPMENT SPECIFICALLY INDICATED AS

GENERAL NOTES

3. IN THE EVENT OF CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS AND/OR SPECIFICATIONS, THE PLAN, NOTE OR SPECIFICATION WHICH PRESCRIBES AND ESTABLISHES THE MORE COMPLETE JOB OR THE HIGHER STANDARD

PROVIDED BY THE OWNER OR BY OTHERS.

- 4. THE CONTRACTOR SHALL EXAMINE THE SITE AND THE AREA WHERE THE WORK IS TO BE PERFORMED. BY SUBMITTING A BID ON THE WORK, HE SHALL BE DEEMED TO HAVE ACCEPTED THE SITE CONDITION.
- 5. FINISH AND INSTALL ALL CONDUITS, WIRES, BOXES, SWITCHES, LIGHT FIXTURES(WITH LAMPS), RECEPTACLES, SERVICE DEVICES, SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, AND ALL RELATED ITEMS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
- 6. FURNISH AND INSTALL CONDUIT AND CONDUCTORS FOR CABLE TV, TELEPHONE, DATA SYSTEMS, AND SECURITY SYSTEM AS OUTLINED IN PLANS.
- 7. ALL MATERIAL SHALL BE NEW AND OF THE HIGHEST QUALITY, AND SHALL MEET THE FULL APPROVAL OF OWNER OR ENGINEER.
- 8. MATERIALS FURNISHED SHALL BE STANDARD PRODUCTS OF THE MANUFACTURER REGULARLY ENGAGED IN MANUFACTURING OF SUCH PRODUCT. USE LATEST DESIGN THAT COMPLIES WITH THE SPECIFICATION REQUIREMENTS WITH AT LEAST 12 MONTH OF SUCCESSFUL RECORD.
- 9. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE UNDERWRITERS' LABEL (UL) AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
- 10. ALL WORK AND MATERIALS OF THIS CONTRACT SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE. LIGHTING FIXTURES BALLASTS SHALL BE GUARANTEED FOR TWO(2) YEARS. BATTERY PACKS SHALL BE GUARANTEED FOR FIVE YEARS.
- 11. NO EXTRA WORK SHALL BE UNDERTAKEN WITHOUT WRITTEN APPROVAL OF THE OWNER OR HIS REPRESENTATIVE.
- 12. CONTRACTOR SHALL OBTAIN AND PAY FOR PERMIT AND INSPECTIONS REQUIRED.
- 13. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE DESIRED LOCATIONS OR ARRANGEMENT OF CONDUIT RUNS ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE. PROPER JUDGMENT MUST BE EXERCISED IN EXECUTING THE WORK AS TO SERVE THE POSSIBLE INSTALLATION IN THE AVAILABLE SPACE AND TO OVERCOME LOCAL DIFFICULTIES DUE TO SPACE LIMITATIONS OR INTERFERENCE OF STRUCTURAL
- 14. LOCATIONS SHOWN ON THE INTERIOR AND MECHANICAL DRAWINGS TAKE PRECEDENCE OVER THOSE SHOWN ON THE ELECTRICAL DRAWINGS. REFER TO MECHANICAL, PLUMBING AND HEAT/AC DRAWINGS FOR THE EXACT LOCATIONS. RATINGS, TYPE, CONNECTIONS, WIRING DIAGRAM AND AUXILIARY DEVICES.
- 15. REFER TO THE REFLECTED CEILING PLAN AND THE INFERIOR FLOOR PLANS FOR THE EXACT LOCATIONS OF LIGHTING FIXTURES AND DEVICES. VERIFY LOCATION OF LIGHTS WITH EXPOSED DUCTWORK AND PIPING.
- 16. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- 17. THE ELECTRICAL CONTRACTOR IN COOPERATION WITH THE MECHANICAL CONTRACTOR SHALL DEMONSTRATE THAT ALL EQUIPMENT IS IN PERFECT WORKING ORDER. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL POWER CONNECTIONS OVER 100V TO A/C EQUIPMENT.
- 18. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT ONLY WITH PULL ROPE FOR LOW VOLTAGE CONTROL WIRING FOR THE A/C EQUIPMENT. CONTROL WIRING FROM THERMOSTATS AND OVERRIDES TO A/C UNITS IS BY THE MECHANICAL
- 19. THE CONTRACTOR MAY USE TEMPORARY POWER AND WATER AVAILABLE FOR LIGHTING AND SMALL TOOLS. TOILET FACILITIES ON SITE MAY BE USED BY CONTRACTOR
- 20. SUBMIT THREE (3) SETS OF SHOP DRAWINGS FOR APPROVAL TO ENGINEER FOR ALL PANELBOARDS. DRAWINGS SHALL BE PICTORIAL AND INDICATE ALL MATERIAL RATINGS, DIMENSIONS AND FINISHES.
- 21. CONTRACTOR SHALL MAINTAIN, ON THE JOB, A SET OF PRINTS OF WHICH ALL DAILY CHANGES IN LOCATION OR RUNS SHALL BE CAREFULLY INDICATED. THESE PRINTS SHALL BE DELIVERED TO THE OWNER AT THE CONCLUSION OF THE PROJECT, INDICATING 'AS BUILT' CONDITION.
- 22. ACCOMPLISH ALL TEST NECESSARY TO DEMONSTRATE TO THE SATISFACTION OF THE OWNER THAT ALL EQUIPMENT IS IN PROPER WORKING ORDER AND IS IN COMPLIANCE
- 23. CLEAN UP ALL TRASH AND DEBRIS BY THE WORK DAILY.
- 25. CUTTING, DRILLING, AND PATCHING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH

24. THE GENERAL CONDITIONS OF THE CONTRACT APPLY TO ALL WORK HEREIN SPECIFIED.

- THE APPLICABLE SECTIONS OF THE SPECIFICATIONS.
- 26. ROUGH- AND FURNISHED-CONCRETE WORK REQUIRED SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE SPECIFICATIONS.
- 27. SUBSTITUTIONS: MANUFACTURER AND CATALOG NUMBERS INDICATED ARE FOR THE PURPOSES OF ESTABLISHING STANDARDS OF QUALITY, ALLOWABLE SIZE OF COMPONENTS, AND THE TYPE OF MATERIALS TO BE USED, PRODUCTS BY OTHER MANUFACTURERS WILL BE CONSIDERED IF THE SUBMITTAL ASSOCIATED WITH THAT ITEM IS CLEARLY MARKED "THIS ITEM IS A SUBSTITUTION" AND IT COMPLIES WITH THE FOLLOWING: (1) QUALITY AND CAPACITY ARE EQUAL TO OR BETTER THAN SPECIFIED ITEM, AND (2) COMPONENTS FIT IN ALLOWED SPACES AND ARE SIMILAR IN APPEARANCE. NO SUBSTITUTION ITEMS MAY BE FURNISHED OR INSTALLED WITHOUT WRITTEN APPROVAL OF THE OWNER.
- 28. OPERATIONS AND MAINTENANCE MANUALS: THREE COPIES OF OPERATING AND MAINTENANCE DATA FOR ALL ELECTRICAL EQUIPMENT, BOUND IN A HARDCOVER THREE—RING PLASTIC BINDER WITH A TABLE OF CONTENT.
- 29. COORDINATION: PROVIDE NECESSARY COORDINATION WITH SERVING UTILITY COMPANIES TO ESTABLISH SERVICE ENTRANCE FACILITIES, AND TO MEET OTHER REQUIREMENTS FOR A COMPLETE AND OPERABLE INSTALLATION. VERIFY SIZE AND ORIENTATION OF EQUIPMENT TO BE ENSURE ADEQUATE WORKING CLEARANCE AND VENTILATION. COORDINATE THE WORK OF OTHER TRADES, VERIFYING REQUIRED WORKING. CLEARANCES, SLEEVES, SUPPORTS, DOOR SWINGS. AND OTHER ITEMS AFFECTING THE WORK OF THIS SECTION. VERIFY THE METHODS OF INSTALLING AND CONNECTING EQUIPMENT, OUTLETS, AND OTHER ITEMS.
- 30. QUALITY ASSURANCE: ALL MATERIALS AND THE MANNER IN WHICH THEY ARE APPLIED AND INSTALLED SHALL BE IN COMPLIANCE WITH THE LATEST RULES AND REGULATIONS OF THE CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 3 "CALIFORNIA ELECTRICAL CODE" THE NATIONAL ELECTRICAL CODE: AND OTHER APPLICABLE STATE- AND LOCAL-LAWS AND REGULATIONS. PROTECTION AND CLEANING: ALL PARTS OF EQUIPMENT AND MATERIALS SHALL BE THOROUGHLY CLEANED. PROTECT ALL WORK, MATERIALS AND EQUIPMENT FROM DAMAGE FROM ANY CAUSE AND PROVIDE ADEQUATE AND PROPER STORAGE FACILITIES DURING THE PROGRESS OF THE WORK. PROVIDE FOR THE SAFETY AND GOOD CONDITION OF ALL THE WORK UNTIL FINAL ACCEPTANCE BY THE OWNER; REPLACE ALL DAMAGED OR DEFECTIVE, WORK, MATERIALS AND EQUIPMENT PRIOR TO REQUESTING FINAL ACCEPTANCE. PROVIDE AND MAINTAIN SUITABLE BARRIERS, WARNING SIGNS, LIGHTS, ETC. WHERE REQUIRED FOR PROTECTION OF THE PUBLIC AND OCCUPANTS ABOUT THE SITE. AT THE CONCLUSION OF EACH WORKDAY, THE PREMISES SHALL BE LEFT FREE FROM DEBRIS INCIDENTAL TO THE WORK, AND IN A CONDITION ACCEPTABLE TO THE OWNER OR TENANT.
- . MAXIMUM PERMITTED CROSS-SECTION FILL OF SEALS SHALL NOT EXCEED 25% OF THE CROSS-SECTIONAL AREA OF A CONDUIT OF THE SAME TRADE SIZE UNLESS SPECIFICALLY

CONDUITS OUTSIDE THE BUILDING SHALL BE RIGID STEEL STANDARD WEIGHT HOT

MATERIAL

DIPPED GALVANIZED THREADED AT BOTH ENDS OR EMT WHERE APPLICABLE.

UNDERGROUND CONDUITS IF ANY SHALL BE PVC SCHEDULE 40.

- THE WIRING CAN BE ROMEX WHERE PERMITTED BY LOCAL JURISDICTION. ALL OTHER CONDUITS INSIDE THE BUILDING SHALL BE ELECTRICAL METALLIC TUBING (EMT) OR MC CABLE UNLESS IF SUBJECT TO DAMAGE. CONDUITS SUBJECT TO PHYSICAL DAMAGE SHALL BE RIGID GALVANIZED STEEL CONDUIT.
- FLEXIBLE LIQUID TIGHT METAL CONDUITS SHALL BE USED FOR FINAL CONNECTION TO ROTATING EQUIPMENT. CONDENSING UNITS. EXHAUST FAN AND FAN COILS. A GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL FLEXIBLE METALLIC CONDUIT RUNS.
- ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAT THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH IT MAY BE SUBJECTED.
- ALL DEVICES INSTALLED OUTSIDE OR IN DAMP LOCATIONS SHALL BE APPROVED WEATHERPROOF.
- CONDUCTORS SHALL BE COPPER WITH THHN/THWN INSULATION. INSULATED WIRES AND CABLES MANUFACTURED MORE THAN SIX (6) MONTH PRIOR TO DATE OF DELIVERY TO THE SITE SHALL NOT BE USED. ALL WIRE SHALL BE UL LISTED, RATED FOR 600 VOLTS, NO 14 MINIMUM SIZE EXCEPT FOR CONTROLS OR OTHERWISE AS
- GROUNDING CONDUCTORS SHALL BE SOFT DRAWN INSULATED COPPER WIRE AS INDICATED WITH GREEN COLORED INSULATION OR GREEN PLASTIC IDENTIFICATION BENDS. GROUNDING AND BONDING OF EQUIPMENT SHALL CONFORM TO UL 467.
- WIRES SHALL BE SPLICED WITH AN INSULATED CONNECTOR. SPLICES OF WIRES NO. 8 AWG AND LARGER SHALL BE MADE WITH APPROVED SOLDERLESS CONNECTORS AND THEN SHALL BE COVERED NEATLY WITH INSULATING TAPES. HOT MOLDED COMPOSITION COVERS, OR OTHER APPROVED EQUIVALENT TO THE CONDUCTOR
- 10. CONNECTORS AND TERMINALS CONFORMING TO UL 486 SHALL BE DESIGNATED FOR USE WITH THE SPECIFIC ASSOCIATED CONDUCTOR MATERIAL, AND SHALL PROVIDE A UNIFORM COMPRESSION OVER THE ENTIRE CONTACT SURFACE. TERMINATION LUGS SHALL BE USED ON ALL STRANDED CONDUCTORS.
- 1. ELECTRICAL TAPES USED FOR ELECTRICAL INSULATION AND OTHER PURPOSES IN WIRE AND CABLE SPLICES, TERMINATIONS, REPAIRS, AND MISCELLANEOUS PURPOSES SHALL CONFORM TO THE REQUIREMENT OF UL STANDARD 510.
- 12. OUTLET BOXES, EXTENSION RINGS AND COVERS SHALL BE PRESSED STEEL. GALVANIZED, KNOCKOUT TYPE OR PLASTIC AS LOCAL JURISDICTION PERMITS. BOX SIZES SHALL BE AS REQUIRED BY CODE FOR THE NUMBER OF WIRES ENTERING BOX. PLASTER RINGS SHALL BE PROVIDED FOR FLUSH MOUNTING.
- DISCONNECT SWITCHES FUSED OR UNFUSED SHALL BE HEAVY DUTY TYPE, SIZED FOR LOAD NOTED ON THE PLANS, UL LISTED AND HORSEPOWER RATED, WITH PROVISIONS TO PAD LOCK HANDLE IN "ON" OR "OFF" POSITION. ENCLOSURE SHALL BE NEMA 3R
- FOR OUTSIDE OR NEMA 1 FOR INSIDE. 14. THREE (3) SPARE FUSES OF EACH TYPE SHALL BE PROVIDED TO THE OWNER. FUSES SHALL BE DUAL ELEMENT, TIME DELAY, HIGH INTERRUPTING TYPE, UL APPROVED.

FUSE SIZES IN SWITCHES FOR HVAC EQUIPMENT SHALL BE AS SPECIFIED BY

- FOUIPMENT MANUFACTURER. 15. FURNISH ALL RELAYS, TIME CLOCKS, CONTROL TRANSFORMERS, ETC., REQUIRED FOR
- 16. PANELBOARDS MAY BE PLUG-IN CIRCUIT BREAKER TYPE. DEAD FRONT IN BREAKERS SHALL BE RATED AS INDICATED ON PLANS, NEMA 1 ENCLOSURE FOR INTERIOR PANELS, NEMA 3R ENCLOSURE FOR EXTERIOR PANELS.

INSTALLATION.

- 17. LIGHTING FIXTURES SHALL BE FURNISHED COMPLETE WITH ALL COMPONENTS, LAMPS AND MOUNTING ACCESSORIES. ALSO SEE FIXTURE SCHEDULE.
- 18. RECEPTACLES: DUPLEX, THREE-WIRE GROUNDING TYPE, RATED 20A AT 125V, NEMA CONFIGURATION 5-20R. PROVIDE GFCI (SELF-CONTAINED) TYPE AT LOCATIONS SHOWN. FOR EXTERIOR LOCATIONS, PROVIDE WITH WEATHERPROOF BOX, AND ALUMINUM GASKETED SPRING-SHUT COVER. HUBBELL 53XX-SERIES, OR EQUAL FROM PASS & SEYMOUR OR
- 19. SWITCHES: DECORA TYPE SWITCHES, NUMBER OF POLES AS SHOWN, QUIET TYPE, RATED 20A AT 120/277V FROM LEVITON OR EQUIVALENT.
- 20. SWITCHBOARDS (SEE SINGLE LINE DIAGRAM): NEMA PB 2; UL 891. RATED AS SHOWN. CU/AL BUS. SIEMENS, EATON, OR EQUAL BY SQUARE-D OR GE.
- DISCONNECT SWITCHES: NEMA KS 1, UL 98, UL 198C AND 198E. RATED AS SHOWN, HEAVY DUTY TYPE, EXTERNALLY-OPERATED, QUICK-MAKE QUICK-BREAK TYPE, THREE-POLE EXCEPT AS OTHERWISE SHOWN. FOR FUSIBLE TYPE, PROVIDE DUAL-ELEMENT TIME-DELAY CLASS RK-1 CURRENT -LIMITING FUSES. FOR EXTERIOR LOCATIONS, AND WHERE INDICATED, PROVIDE NEMA 3R ENCLOSURES. SQUARE-D, OR EQUAL BY GE OR WESTINGHOUSE.
- 22. MOTOR CONTROLLERS: A. NEMA ICS 2/ICS 6/250/AB 1/FU 1/KS 1; UL 98/198C/198E/489/508. PROVIDE MANUAL MOTOR CONTROLLERS FOR SINGLE-PHASE MOTORS RATED BELOW 2 HP, AND COMBINATION MOTOR CONTROLLERS AS SHOWN. B. MANUAL MOTOR CONTROLLERS: MANUAL MOTOR STARTING SWITCH WITH INTEGRAL THERMAL TYPE OVERLOAD PROTECTION, TOGGLE LEVER TYPE, ALLEN-BRADLEY BULLETIN 609, OR EQUAL BY SQUARE-D, GE OR WESTINGHOUSE. C. COMBINATION MOTOR CONTROLLERS: ENCLOSED COMBINATION STARTER, FUSIBLE DISCONNECT SWITCH TYPE, ALLEN-BRADLEY BULLETIN 512, OR EQUAL BY SQUARE-D, GE OR WESTINGHOUSE.
- 23. PHOTOELECTRIC CONTROLLERS: RATED FOR CONNECTED LOAD, 20A MINIMUM. PARAGON, TORK, SANGANMO, OR EQUAL. 24. TELEPHONE SYSTEM: A. PROVIDE TELEPHONE SYSTEM AS FOLLOWS, EXCEPT AS OTHERWISE SHOWN: B. SERVICE ENTRANCE FACILITY: PROVIDE WALL-MOUNTED 3/4" X 4" x 8" (OR SIZE AS INDICATED) PLYWOOD "MAIN TELEPHONE BACKBOARD" AT THE LOCATION SHOWN WITH (1) A DEDICATED 20A/120V BRANCH CIRCUIT /QUADRAPLEX POWER RECEPTACLE AND (2) A GROUNDING ELECTRODE PIGTAIL (\$6 AWG BARE STRANDED COPPER CABLE ROUTED IN 1" CONDUIT DIRECTLY TO FACILITY GROUNDING ELECTRODE AND CONNECTED THEREON), AT THE TELEPHONE BACKBOARD LOCATION. C. VOICE DROPS AND CABLING PATHWAYS: PROVIDE FLUSH MOUNTED 4" SQUAREBOX/WALLPLATE WITH TELEPHONE JACK AT EACH OF THE LOCATIONS SHOWN. INCLUDING 3/4" CONDUIT (WITH PULLROPE) CONTINUOUS TO THE TELEPHONE BACKBOARD LOCATION AT THE SERVICE ENTRANCE FACILITY. TELEPHONE JACKS SHALL BE PROVIDED AS SPECIFIED BY OWNER. CABLING AND ENTRANCE FACILITY TELEPHONE EQUIPMENT/CROSS-CONNECT FRAMES/NETWORK INTERFACE DEVICES WILL BE PROVIDED BY OWNER

MATERIAL	SCHEDULE	
CATEGORY	APPLICATION ALLOWABLE MATERIAL	
CONDUCTORS	#10 AWG & SMALLER	SOLID CU, TYPE THHN/THWN OR XHHW, ROMEX, SER AL AND WRE
	#8 AWG & LARGER	STRANDED CU, TYPE THHN/THWN OR XHHW OR SER CABLE
CONDUITS	OUTDOOR, EXPOSED OR CONCEALED	INTERMEDIATE METAL CONDUIT
	OUTDOOR OR INDOOR DAMP LOCATIONS, CONNECTION TO VIBRATING EQUIPMENT	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
	INDOOR, EXPOSED	ELECTRICAL METALLIC TUBING U.N.O.
	INDOOR, WITHIN 1-1/2" OF ROOF DECK	INTERMEDIATE METAL CONDUIT
	INDOOR, CONCEALED	ELECTRICAL METALLIC TUBING, FLEXIBLE METAL CONDUIT, OR METAL CLAD CABLE
	INDOOR DRY LOCATIONS, CONNECTION TO VIBRATING EQUIPMENT	FLEXIBLE METAL CONDUIT

ANY DISCREPANCIES WITHIN THE ELECTRICAL PLANS NOTED BEFORE BIDDING AND ORDERING OF EQUIPMENT & MATERIALS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR CORRECTION.

INSTALLATION

- THE CONTRACTOR SHALL INSTALL ALL CONDUITS AND WIRES WITH A MINIMUM NUMBER OF BENDS AND IN SUCH A MANNER AS TO CONFORM TO THE STRUCTURE. AVOID OBSTRUCTIONS, PRESERVE HEAD ROOM, KEEP OPENINGS AND PASSAGE WAYS CLEAR AND MEET ALL STRUCTURAL CODE REQUIREMENTS. CODE-SIZED PULL BOXES SHALL BE INSTALLED IN RUNS OF OVER 100 FEET OR MORE THAN 4 BENDS.
- SUPPLY AND INSTALL ALL SUPPORTS AND BRACING NECESSARY FOR THE PROPER INSTALLATION OF THE EQUIPMENT.
- ALL EXPOSED CONDUIT SHALL BE INSTALLED AT RIGHT ANGLE TO ROOM OR STRUCTURE OR ALONG EXPOSED BEAMS. CONDUITS SHALL BE SUPPORTED FROM BUILDING
- STRUCTURE WITH APPROVED PIPE HANGERS. 4. ALL PULL BOXES AND ALL JUNCTION BOXES MUST BE ACCESSIBLE AFTER THE CONSTRUCTION IS COMPLETE, ESPECIALLY IN CONCEALED CONDUIT INSTALLATIONS.
- FINISH FOR ALL EXPOSED J-BOXES AND PULL BOXES SHALL BE PER INTERIOR DESIGN ALL CONDUITS ARE SIZED TO MEET THE REQUIREMENT OF CEC TABLE 3A. "MAXIMUM NUMBER OD CONDUCTORS IN TRADE SIZES OF CONDUIT OR TUBING". CONTRACTOR SHALL CONSIDER THESE SIZES AS A MINIMUM REQUIREMENT AND INCREASE THE
- CONDUIT SIZE IF NECESSARY TO FACILITATE HIS CABLE PULLING. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS SHOWN AND AS REQUIRED BY ALL APPLICABLE CODES AND THE SERVING UTILITY. NO CONDUIT SHALL

BE USED AS A GROUND, EXCEPT FOR LIGHTING CIRCUIT.

- INCLUDE A GREEN-WIRE SIZED AS REQUIRED BY NATIONAL ELECTRICAL CODE IN ALL CONDUIT RUN D FOR EQUIPMENT GROUND AND GREEN-YELLOW STRIPE WIRE FOR ISOLATED GROUND AS SHOWN ON PARTICULAR CONDUIT RUNS ALONG WITH THE GREEN WIRE. SAME APPLIES TO FLEXIBLE CONDUITS EVEN IF UL LABELED FOR GROUND, UNLESS USED IN LIGHTING CIRCUITS.
- 8. PROVIDE FIRE PROOFING FOR PENETRATIONS THROUGH RATED WALLS AND FLOORS.
- ALL CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF THE ELECTRICAL WORK SHALL BE DONE BY THIS CONTRACTOR. DO NOT CUT OR DRILL STRUCTURAL MEMBERS WITHOUT WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER. ALL CUTTING AND PATCHING SHALL BE NEAT, AND PATCHING SHALL MATCH ADJACENT SURFACE AS TO TEXTURE AND FINISH. ALL SURFACE SHALL BE REPLACED IN KIND.
- 10. BACK TO BACK INSTALLATION OF OUTLET IS NOT PERMITTED IN ROOMS INSULATED FOR SOUND, BECAUSE OF SOUND TRANSFERENCE THROUGH OUTLETS. SEAL SUCH OUTLETS AIR
- 11. DIMENSIONS SHOWN ON OUTLET BOXES SHALL BE FROM THE FINISHED FLOOR TO THE CENTER OF THE BOX.
- 12. ALL PENETRATION THROUGH ROOF SHALL BE FLASHED AND COUNTER FLASHED TO MAKE WATER-TIGHT
- 13. PROVIDE A MANUAL DISCONNECTING MEANS AT MOTOR FOR ALL MOTORS NOT WITHIN SIGHT OF THE SERVING PANEL OR THEIR DISCONNECT.
- 14. INSTALL BLANK PLATES AS REQUIRED TO CLOSE OPENINGS IN SWITCHBOARDS OR PANELS WHERE EQUIPMENT HAS BEEN REMOVED.
- 15. ELECTRICAL IDENTIFICATION: PROVIDE NAMEPLATES FOR SWITCHBOARDS, PANELBOARDS, DISCONNECT SWITCHES, CONTACTORS/RELAYS, AND TERMINAL CABINET/BACKBOADS, MOTOR CONTROLLERS, INDIVIDUALLY-MOUNTÉD ANY OTHER CONTROL DEVICE OR MAJOR ITEMS OF ELECTRICAL EQUIPMENT.
- 16. NAMEPLATES SHALL BE BLACK-ON-WHITE LAMINATED PLASTIC, ATTACHED WITH MACHINE SCREWS. LETTERING SHALL BE 1/4" HIGH MINIMUM, CORRESPONDING TO THE DESIGNATION (OR ADDITIONAL INFORMATION) SHOWN. COLOR CODE ALL WIRE WITH INSULATION/JACKET (FACTORY-APPLIEDO COLOR FOR PHASE IDENTIFICATION (CONTINUOUS FOR CIRCUIT FROM OUTLET-TO OUTLET, PULL BOX, OR CABINET) AS FOLLOWS:

SYSTEM VOLTAGE 208Y/120 <u>480Y/277</u> BLACK YELLOW RED BROWN ORANGE BI UF WHITE **NFUTRAL** WHITF GROUND GREEN GREEN

- 17. LIGHT FIXTURE IN CONTACT WITH INSULATION TO BE U.L. LISTED FOR THERMAL BARRIER OR PROVIDE 3" MINIMUM CLEARANCE.
- 18. PANEL CIRCUIT DIRECTORY TO COMPLY WITH SECT. 408.4, CEC.
- 19. W.P. COVER OF OUTLETS TO COMPLY WITH SECT. 406.8(B)(1), CEC.

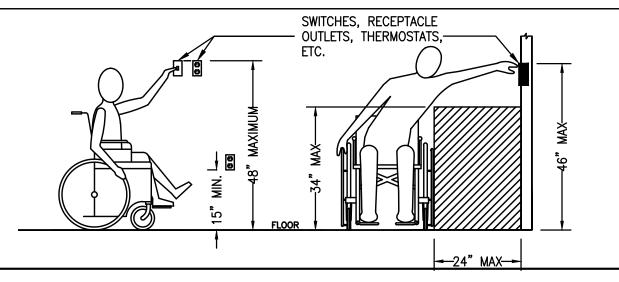
START-UP

- TEST THE ENTIRE WIRING SYSTEM FOR SHORT CIRCUITS, GROUNDS AND INSULATION RESISTANCE BETWEEN CONDUCTORS AND TO GROUND.
- 2. DEMONSTRATE THAT THE EQUIPMENT OPERATES IN ACCORDANCE WITH THE REQUIREMENTS OF THESE DRAWINGS. DEMONSTRATE THAT PROTECTIVE FUNCTIONS ARE OPERATING PROPERLY AND INCORPORATED IN THE CONTROL SYSTEM CIRCUIT BREAKER, AND MOTOR CONTROL CENTER CIRCUITRY.
- CHECK VOLTAGE AMPLITUDE AND BALANCE BETWEEN PHASES FOR LOADED AND UNLOADED CONDITIONS.
- SET THE OVERLOAD HEATERS OF INDIVIDUAL MOTORS ACCORDING TO SERVICE, CODE AND MANUFACTURER'S REQUIREMENT.
- CHECK AND CORRECT THE ROTATION OF ALL MOTORS. CHECKS WITH THE CONTRACTOR RESPONSIBLE FOR DRIVEN EQUIPMENT.
- ALL TESTS TO BE PERFORMED IN PRESENCE OF THE OWNER. SUBMIT THE REPORTS TO THE ENGINEER FOR REVIEW.

GREEN BLDG. NOTES

- THE OUTDOOR LIGHTING SYSTEMS SHALL BE DESIGNED AND INSTALLED TO COMPLY WITH ALL THE FOLLOWING: 1.1. THE MINIMUM REQUIREMENTS IN CALIFORNIA ENERGY CODE FOR
- LIGHTING ZONES 1-4. 1.2. BACKLIGHT, UPLIGHT AND GLARE(BUG) RATING AS DEFINED IN IESNA TM-15-11.
- 1.3. ALLOWABLE BUG RATINGS NOT EXCEEDING THOSE SHOWN IN
- 2. NEW RESIDENTIAL GRADE EQUIPMENT AND APPLIANCES PROVIDED AND INSTALLED SHALL BE ENERGY STAR LABELED IF ENERGY STAR IS APPLICABLE TO THAT EQUIPMENT OR APPLIANCE

RECEPT. MOUNTING HEIGHT



ELECTRICAL CODE LEGEND OF SYMBOLS

SYMBOL

3a

→~~

→

SWITCHED OR

DESCRIPTION

LIGHT OUTLET

A-FIXTURE DESIGNATION

a-SWITCH DESIGNATION

CONDUIT RUN EXPOSED

GROUND CONNECTION

ALL SWITCHES

SINGLE POLE SWITCH

THREE WAY SWITCH

FOUR WAY SWITCH

DIMMER SWITCH

PANELBOARD

SWITCHBOARD

TRANSFORMER

PUSH BUTTON

MEASURED FROM THE TOP OF THE BOX.

GFCI (

3- CIRC. NO. (SEE PANEL)

REQ'D (1/2" CONDUIT U.O.N)

CONDUIT RUN IN FLOOR OR U.G.

CONDUIT STUB OUT WITH CAP

PANEL MOUNTED CIRCUIT BREAKER

PANEL MOUNTED FUSED SWITCH

SWITCH W/ VACANCY SENSOR

THREE WAY DIMMER SWITCH

DISCONNECT SWITCH, FUSED

MAGNETIC MOTOR STARTER

TELEPHONE BACKBOARD

DISCONNECT SWITCH, NON FUSED

DIMMER SWITCH W/ VACANCY SENSOR

(36" MIN TO 48" MAX AFF, SEE NOTE1)

- 1. PROVIDE A GROUNDING SYSTEM FOR A SEPARATE STRUCTURE PER CEC 250-32(B).
- 2. PROVIDE WORKING CLEARANCES @ NEW & EXISTING EQUIPMENT, CEC ART, 110-26.
- 3. GROUNDING ELECTRODE CONDUCTOR INSTALLATION SHALL COMPLY WITH
- CEC ART.250-64. GROUNDING ELECTRODE CONDUCTOR ENCLOSURE SHALL COMPLY
- WITH CEC, ART.250-64(E)

GROUNDING ELECTRODE CONDUCTOR CONNECTION TO THE

- ELECTRODE SHALL COMPLY WITH CEC 250-70. 6. COMPLY WITH CEC ART 670 FOR INSTALLATION OF INDUSTRIAL MACHINERY.
- METHOD OF GROUNDING OF ALL TRANSFORMERS SHALL COMPLY WITH CEC, ART.250-30.
- 8. GROUND FAULT PROTECTION @ SERVICES SHALL BE PROVIDED PER CEC. ART.230-95.
- 9. CONDUIT BURIAL DEPTH PER CEC TABLE 300-5
- 10. BONDING FOR CIRCUITS OF OVER 250 VOLTS TO GROUND SHALL COMPLY WITH CEC, ART.250-97. NOTE THAT STANDARD LOCK NUTS ARE NOT PERMITTED IN THE INSTALLATION OF THE RACEWAY.
- 11. TORQUEING OF TERMINATIONS SHALL BE IN ACCORDANCE WITH THE EQUIPMENT LABEL AND PRIOR OF TORQUE IS REQUIRED PRIOR TO FINAL. CEC, ART.110-3(B).
- 12. ALL EQUIPMENT SHALL BE LISTED & LABELED BY AN APPROVED TESTING AGENCY. TESTING BY AN APPROVED TESTING LABORATORY WILL BE REQUIRED BEFORE FINAL APPROVAL IS GRANTED.
- 13. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR FOR ALL CIRCUITS PER CEC. ART.250-110 AND ART.250-118.
- 14. GROUNDING ELECTRODE SYSTEM SHALL COMPLY WITH CEC, ART.250-50.

15. BONDING SHALL COMPLY WITH CEC 250, PART 5.

- 16. THE CONTRACTOR SHALL PROVIDE TO THE CITY THE AIC VALUE AND THE NOMINAL CIRCUIT VOLTAGE SUPPLIED TO THE SERVICE BY THE ELECTRICAL UTILITY IN THE FORM OF LETTER THAT SHALL BE WRITTEN UPON THE ELECTRICAL UTILITY'S LETTERHEAD. A COPY OF THIS SHALL BE PLACED ON THE PLAN.
- 17. THE ELECTRICAL EQUIPMENT SHALL BE RATED FOR THE AVAILABLE FAULT CURRENT AS SPECIFIED IN THE SINGLE LINE DIAGRAM NOTES PER CEC,
- 18. ISOLATED GROUNDING CONDUCTORS SHALL TERMINATE AT THE SERVICE. CEC, ART.250-96(B).
- 19. ALARM SYSTEMS AND ELECTRIC SIGNS SHALL BE ON A SEPARATE PLAN. ART.210-19(A).
- 20. DERATING OF CONDUCTORS WILL APPLY PER CEC, ART.310-15(B) (2) (A)
- 21. A 125V RECEPTACLE (GFCI PROTECTED & WP) IS REQUIRED WITHIN 25 FEET OF ROOF MOUNTED EQUIPMENT. CEC, ART.210-63, ART. 210-8(B).
- 22. COMMUNICATION & DATA CONDUCTORS RUN IN CONDUIT OR OTHER RACEWAYS SHALL HAVE A BUSHING, OR OTHER TERMINAL FITTING. WITH AN INTEGRAL BUSHED OPENING @ THE END OF THE CONDUIT OR RACEWAY. CEC, ART.300-4.
- 23. BREAKERS USED AS SWITCHES IN LIGHTING SYSTEMS SHALL BE MARKED"SWD" PER CEC, ART.240-83(D). 25. ELECTRICAL CONTRACTOR TO PREPARE CONDUITS AND BACK BOXES, SUPPORT, ETC. FOR FIRE ALARM SYSTEM INSTALLATION.

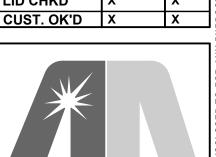
ABBREVIATIONS

- WEATHER PROOF
- UNSWITCHED NIGHT LIGHT
- VERIFY LOCATION
- SHORT CIRCUIT CURRENT
- **AMPERES**
- POLE
- CONDUIT
- **ALUMINUM** EQUIPMENT GROUNDING CONDUCTOR
- NATIONAL ELECTRICAL CODE
- CALIFORNIA ELECTRICAL CODE
 - UNLESS OTHERWISE NOTED

STAMP

\int HOT LEG CONDUIT RUN CONCEALED IN WALL OR CEILING. CROSS LINES INDICATE NO. OF #12 COPPER WIRES EXCLUDING GROUND CONDUCTORS WHERE

DATE BY PLUMB CHKD MECH CHKD LID CHKD CUST. OK'D X



ABRARI

ASSOCIATES

ELECTRICAL ENGINEERS

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GROUND FAULT CIRCUIT INTERRUPTER DOUBLE DUPLEX RECEPTACLE

GFCI (GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE AFCI (ARC FAULT CIRCUIT INTRRUPTER RECEPTACLE

GROUND DUPLEX RECEPTACLE WITH USB CHARGER (15A)

ALL RECEPTACLES AT 15" MIN TO 48" MAX AFF.MINIMUM DIMENSION IS

GROUND DUPLEX RECEPTACLE (15A, 18" AFF UON)

MEASURED FROM THE BOTTOM OF THE BOX AND MAXIMUM IS

DEDICATED RECEPTACLE (20A)

QUAD RECEPTACLE

SWITCHED RECEPTACLE FLOOR MOUNTED RECEPTACLE

CEILING MOUNTED RECEPTACLE SIMPLEX RECEPTACLE

JUNCTION BOX FLOOR MOUNTED J-BOX

TELEPHONE OUTLET (+18" AFF UON) TELEPHONE CLG. MOUNTED OUTLET

TELEPHONE FLOOR MOUNTED OUTLET INTERCOM OUTLET

CABLE TELEVISION OUTLET(COAX CABLE) DATA (CAT 6) OUTLET (+18" AFF UON)

DATA (CAT 6) CLG. MOUNTED OUTLET

DATA (CAT 6) FLR. MOUNTED OUTLET

DUPLEX DATA (CAT 6) OUTLET (+18" AFF UON) SMOKE FIRE DAMPER

(SFD) **EQUIPMENT**

SMOKE DETECTOR SMOKE DETECTOR/CARBON MONOXIDE DETECTOR

MEDIA BOX MEDIA BOX (ICC COMBO, NET MEDIA CENTER, PLASTIC, 9") +48"-60" AFF

PROJECT SCOPE

NEW 3 STORY, 39 UNITS MULTI RESIDENTIAL. 2. NEW 1600A, 208Y/120V, 3 PHASE, 4 WIRE SERVICE.

1713 STANDARD AVE.

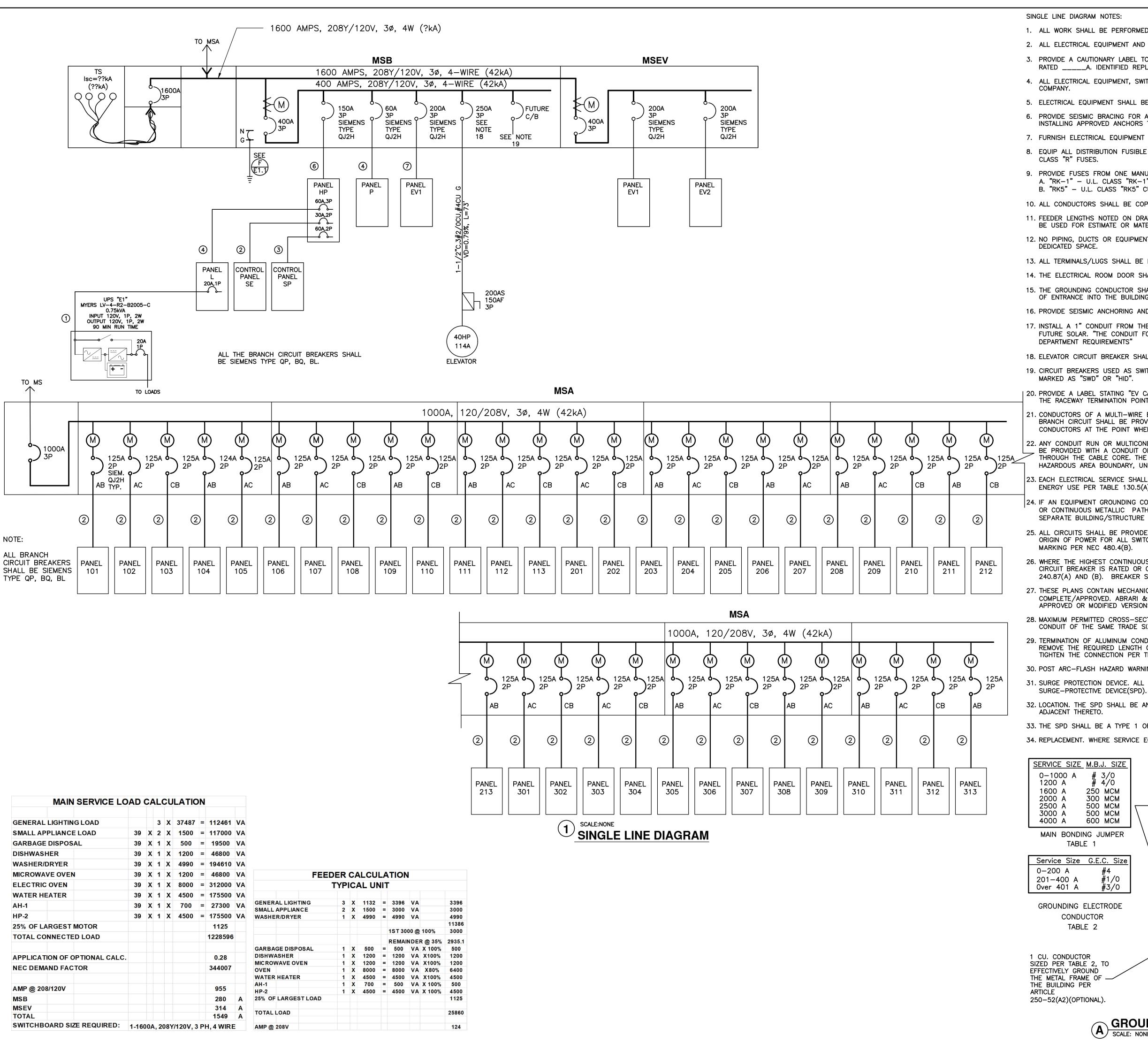
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NO. 13294 EXP. 03-31-26 Hem R. Alem **DATE SIGNED: 04-25-24**

> **NOTES & SYMBOLS**

SHEET TITLE

PROJECT NO.: 16-SCALE: **NONE** DATE: 04-25-24 ΑM HRA CHECKED: DRAWING NO.

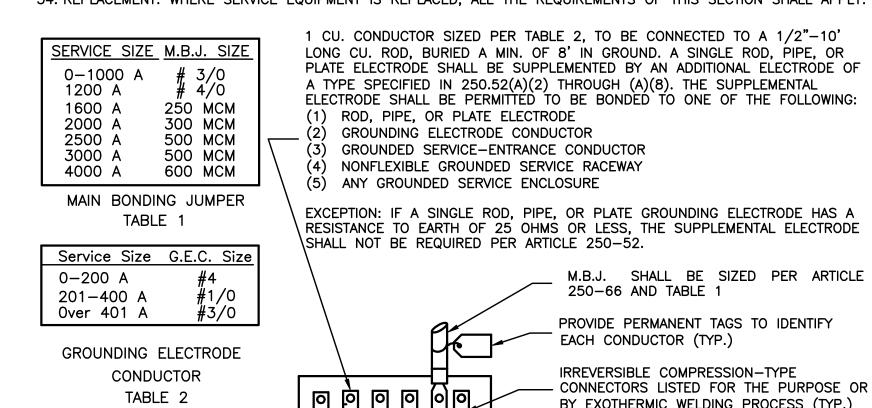


SINGLE LINE DIAGRAM NOTES:

- 1. ALL WORK SHALL BE PERFORMED PER 2022 CALIFORNIA ELECTRICAL CODE.
- 2. ALL ELECTRICAL EQUIPMENT AND SWITCHBOARDS SHALL BE SERIES RATED.
- 3. PROVIDE A CAUTIONARY LABEL TO THE SERIES RATED DEVICE COVER STATING " CAUTION-SERIES COMBINATION SYSTEM RATED _____A. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED".
- 4. ALL ELECTRICAL EQUIPMENT, SWITCHBOARDS, ETC. TO WITHSTAND AVAILABLE FAULT CURRENT. VERIFY WITH SERVING UTILITY
- 5. ELECTRICAL EQUIPMENT SHALL BE UL LISTED.
- 6. PROVIDE SEISMIC BRACING FOR ALL SERVICE EQUIPMENT, SWITCHBOARDS AND OTHER FLOOR STANDING EQUIPMENT BY INSTALLING APPROVED ANCHORS TO THE BUILDING STRUCTURE FROM EACH EQUIPMENT ENCLOSURE.
- 7. FURNISH ELECTRICAL EQUIPMENT OF THE SAME TYPE OR CLASS FROM ONE MANUFACTURER.
- 8. EQUIP ALL DISTRIBUTION FUSIBLE SWITCHES WITH REJECTION TYPE FUSE CLIPS FOR USE WITH CURRENT LIMITING, U.L. CLASS "R" FUSES.
- 9. PROVIDE FUSES FROM ONE MANUFACTURER OF THE FOLLOWING TYPES: A. "RK-1" - U.L. CLASS "RK-1" CURRENT LIMITING FUSES, "BUSSMANN" LOW-PEAK TYPE LPN-RK_SP. B. "RK5" - U.L. CLASS "RK5" CURRENT LIMITING, DUAL ELEMENT FUSES, "BUSSMANN" LOW-PEAK TYPE LPN-RK_SP.
- 10. ALL CONDUCTORS SHALL BE COPPER WITH TYPE "THWN/THHN" INSULATION RATED FOR 600 VOLTS.
- 11. FEEDER LENGTHS NOTED ON DRAWINGS ARE FOR VOLTAGE DROP AND SHORT CIRCUIT CALCULATIONS ONLY AND ARE NOT BE USED FOR ESTIMATE OR MATERIAL TAKE-OFF.
- 12. NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN THE
- 13. ALL TERMINALS/LUGS SHALL BE DUAL RATED 60°/75° C.
- 14. THE ELECTRICAL ROOM DOOR SHALL OPEN OUTWARD AND SHALL BE EQUIPPED WITH LISTED PANIC HARDWARE.
- 15. THE GROUNDING CONDUCTOR SHALL BE CONNECTED TO WATER PIPE (GROUNDING ELECTRODE) WITHIN 5' FROM THE POINT OF ENTRANCE INTO THE BUILDING.
- 16. PROVIDE SEISMIC ANCHORING AND BRACING FOR MAIN SWITCHBOARD AND ALL STANDING SECTIONS.
- 17. INSTALL A 1" CONDUIT FROM THE MAIN SWITCHBOARD TO THE ROOF AND TERMINATE IN A 12"X12"X6" NEMA 3R BOX FOR FUTURE SOLAR. "THE CONDUIT FOR THE FUTURE ELECTRICAL SOLAR SYSTEM SHALL BE LABELED AS PER LOS ANGELES FIRE DEPARTMENT REQUIREMENTS"
- 18. ELEVATOR CIRCUIT BREAKER SHALL BE EQUIPPED W/ SHUNT TRIP (SIEMENS C/B TYPE FXD6 OR EQ.)
- 19. CIRCUIT BREAKERS USED AS SWITCHES IN 120 AND 277 VOLT FLUORESCENT LIGHTING CIRCUITS SHALL BE LISTED AND MARKED AS "SWD" OR "HID".
- | 20. PROVIDE A LABEL STATING "EV CAPABLE" IS A CONSPICUOUS PLACE AT THE SERVICE PANEL OR SUBPANEL AND NEXT TO THE RACEWAY TERMINATION POINT.
- 21. CONDUCTORS OF A MULTI-WIRE BRANCH CIRCUIT SHALL CONSPICUOUS ORIGINATE FROM THE SAME PANELBOARD, THE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES (210.4, 240.15(B)(1))
- 22. ANY CONDUIT RUN OR MULTICONDUCTOR CABLE LEAVING THE CLASS I, DIVISION 1 OR CLASS I, DIVISION 2 LOCATION SHALL BE PROVIDED WITH A CONDUIT OR CABLE SEAL. THE CABLE SHALL BE INCAPABLE OF TRANSMITTING GASSES OR VAPORS THROUGH THE CABLE CORE. THE SEAL SHALL BE INSTALLED ON EITHER SIDE WITHIN 10 FEET OF THE SPECIFIED HAZARDOUS AREA BOUNDARY, UNLESS SHORTER DISTANCE IS REQUIRED BY METHANE STANDARD. (501.15(A)(4),(B)(2),(D)(3)
- 23. EACH ELECTRICAL SERVICE SHALL HAVE PERMANENTLY INSTALLED USER-ACCESSIBLE METERING OF TOTAL ELECTRICAL ENERGY USE PER TABLE 130.5(A)
- 24. IF AN EQUIPMENT GROUNDING CONDUCTOR IS RUN WITH THE SUPPLY CONDUCTORS TO THE SEPARATE BUILDING/STRUCTURE OR CONTINUOUS METALLIC PATHS BOND THE GROUNDING SYSTEM IN BOTH BUILDING/STRUCTURE, THE NEUTRAL BUS AT SEPARATE BUILDING/STRUCTURE SHALL BE ISOLATED.
- 25. ALL CIRCUITS SHALL BE PROVIDED WITH A LEGIBLE AND PERMANENT DESCRIPTION COMPLIANT WITH NEC 480.4(A). THE ORIGIN OF POWER FOR ALL SWITCHBOARDS, SWITCHGEAR, AND PANELBOARDS SHALL BE SPECIFIED WITH A PERMANENT MARKING PER NEC 480.4(B).
- 26. WHERE THE HIGHEST CONTINUOUS CURRENT TRIP SETTING FOR WHICH THE ACTUAL OVERCURRENT DEVISE INSTALLED IN A CIRCUIT BREAKER IS RATED OR CAN BE ADJUSTED TO 1200A OR HIGHER MUST COMPLY WITH ARC ENERGY REDUCTION NEC 240.87(A) AND (B). BREAKER SHALL HAVE SIEMENS DAS TRIPPING WITH ARC REDUCTION SETTING(OR EQUIVALENT).
- 27. THESE PLANS CONTAIN MECHANICAL, PLUMBING AND LID INFORMATION WHICH AT THE TIME OF APPROVAL WAS NOT COMPLETE/APPROVED. ABRARI & ASSOCIATES IS NOT RESPONSIBLE FOR ANY INCONSISTENCY THE PLANS MAY HAVE WITH APPROVED OR MODIFIED VERSIONS OF MECHANICAL, PLUMBING OR LID PLANS.
- 28. MAXIMUM PERMITTED CROSS-SECTION FILL OF SEALS SHALL NOT EXCEED 25% OF THE CROSS-SECTIONAL AREA OF A CONDUIT OF THE SAME TRADE SIZE UNLESS SPECIFICALLY APPROVED.
- 29. TERMINATION OF ALUMINUM CONDUCTOR-USE A SUITABLE STRIPPING TOOL TO AVOID DAMAGING THE CONDUCTOR AND REMOVE THE REQUIRED LENGTH OF INSULATION. WIRE BRUSH THE CONDUCTOR AND APPLY A LISTED JOINT COMPOUND. TIGHTEN THE CONNECTION PER THE MANUFACTURERS RECOMMENDATION AND WIPE OFF EXCESS JOINT COMPOUND.
- 30. POST ARC-FLASH HAZARD WARNINGS, PER 2019 CEC ARTICLE 110.16.
- 31. SURGE PROTECTION DEVICE. ALL SERVICES SUPPLYING RESIDENTIAL DWELLING UNITS SHALL BE PROVIDED WITH
- 32. LOCATION. THE SPD SHALL BE AN INTEGRAL PART OF THE SERVICE EQUIPMENT OR SHALL BE LOCATED IMMEDIATELY
- 33. THE SPD SHALL BE A TYPE 1 OR TYPE 2 SPD.

SCALE: NONE

34. REPLACEMENT. WHERE SERVICE EQUIPMENT IS REPLACED, ALL THE REQUIREMENTS OF THIS SECTION SHALL APPLY.



BY EXOTHERMIC WELDING PROCESS (TYP.) "C, 1#6 CU. TO MAIN TELEPHONE BACKBOARD 3/4"C. ONE CONDUCTOR SIZED PER TABLE 2, TO COLD WATER PIPE WITHIN THE FIRST - FIVE FEET OF COLD WATER PIPE ENTRANCE INTO THE BUILDING PER ARTICLE 250-52 GROUNDING DETAIL

20 FEET OF BARE #4AWG CU CONDUCTOR ENCASED N MIN. TWO INCHES OF CONCRETE ALL AROUND PER ARTICLE 250-52(A3)(OPTIONAL).

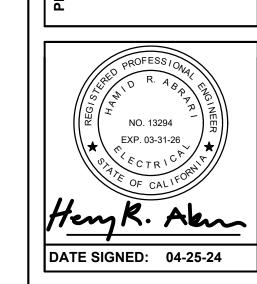
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ELECTRICAL ENGINEERS

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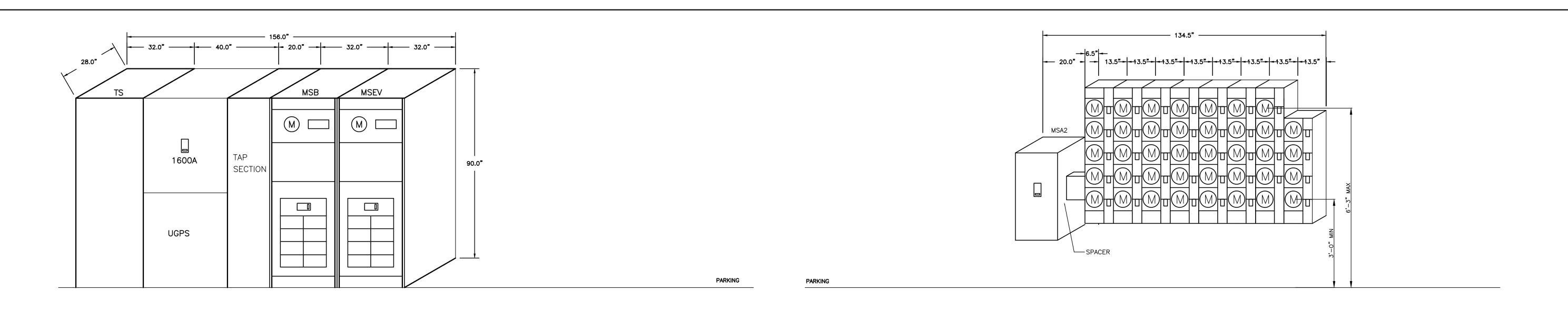
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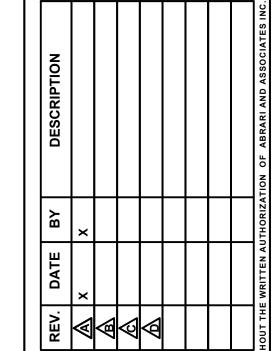
SINGLE LINE DIAGRAM & LOAD CALCS.

SHEET TITLE

PROJECT NO.: 16-SCALE: **AS SHOWN** DATE: 04-25-24 ΑM HRA CHECKED: DRAWING NO.



1 SERVICE EQUIPMENT ELEVATION SCALE:NONE

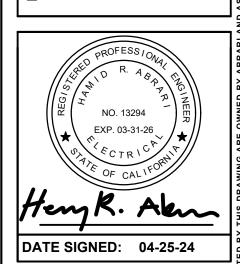


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39 UNITS-MULTI RESIDENTIAL 801-817 6TH ST., BURBANK, CA 91501



PANEL SCHEDULES

PROJECT NO.:	16-
SCALE:	NONE
DATE:	04-25-24
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