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M	ELECTRICAL SYMBOL LIST NOTE: This is a standard symbol list and not all items listed may be used. Abbreviations ANSI AMERICAN NATIONAL STANDARDS INSTITUTE AWG AMERICAN WIRE GAUGE A AMPERES, AMBER AHJ AUTHORITY HAVING JURISDICTION AIC AVAILABLE INTERRUPTING CAPACITY CA CABLE CAT CATEGORY CLG CEILING C CONDUIT, CLOSE, CONTROL CU COPPER (X) DEMOLISH DTL DETAIL DIA DIAMETER DIV DIVISION DN DOWN DWG DRAWING EA EACH EMT ELECTRICAL METALLIC TUBING E EMERGENCY EF EXHAUST FAN (E) EXISTING TO REMAIN FF FINISH FLOOR FMC FLEXIBLE METAL CONDUIT FT FOOT, FEET G, GND GROUND GFCI GROUND FAULT CIRCUIT INTERRUPTER HT HEIGHT ID IDENTIFICATION IN INCH, INCHES IEEE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS KV KILOVOLT KVA KILOVOLT AMPERES KW KILOWATT LED LIGHT EMITTING DIODE LFMC LIQUIDTIGHT FLEXIBLE METAL CONDUIT LV LOW VOLTAGE MOCP MAXIMUM OVERCURRENT PROTECTION MIN MINIMUM MISC MISCELLANEOUS MT, MTD MOUNT, MOUNTED NEC NATIONAL ELECTRIC CODE NESC NATIONAL ELECTRIC SAFETY CODE NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION N NEUTRAL (N) NEW N/A NOT APPLICABLE N.I.C. NOT IN CONTRACT NTS NOT TO SCALE OC ON CENTER PNL PANEL PH PHASE PVC POLY-VINYL-CHLORIDE PWR POWER QTY QUANTITY REF REFERENCE RM ROOM SHT SHEET SIM SIMILAR STD STANDARD SWBD SWITCHBOARD XFMR TRANSFORMER TYP TYPICAL UG UNDERGROUND UL UNDERWRITERS LABORATORIES UON UNLESS OTHERWISE NOTED V VOLTS, VOLTAGE WP WEATHERPROOF W/ WITH W/O WITHOUT Lighting EXIT SIGN CEILING MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN EXIT SIGN WALL MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN RECESSED LUMINAIRE RECESSED LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL OR REMOTE EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT SURFACE MOUNTED OR PENDANT MOUNTED LINEAR LUMINAIRE WALL MOUNTED LUMINAIRE WALL MOUNTED LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT AREA BOLLARD LUMINAIRE WITH CONCRETE BASE AREA LUMINAIRE ARM MOUNTED WITH POLE AND CONCRETE BASE, NUMBER OF HEADS AND CONFIGURATION INDICATED ON PLANS Miscellaneous BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR. BRANCH PANEL CIRCUIT BREAKER DRY TYPE TRANSFORMER MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL Raceways CONDUIT CONCEALED IN WALL OR CEILING SPACE CONDUIT ROUTED BELOW FLOOR / GRADE CONDUIT/WIRING CONTINUATION CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING FLEXIBLE CONDUIT Switches and Receptacles DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS) A = ABOVE COUNTER G = GROUND FAULT CIRCUIT INTERRUPTER R1 = HALF SWITCHED BY OCCUPANCY SENSOR RELAY W = WEATHERPROOF, CONTINUOUS USE COVER, GFCI PROTECTED, WITH WEATHER-RESISTANT RECEPTACLE DOUBLE DUPLEX RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS CEILING MOUNTED OCCUPANCY SENSOR P = PASSIVE INFRARED D = DUAL TECHNOLOGY v (LOWERCASE) = VACANCY CONTROL DESIGNATION WALL MOUNTED OCCUPANCY SENSOR/SWITCH S = PASSIVE INFRARED WITH INTEGRAL "OFF" SWITCH D = PASSIVE INFRARED WITH INTEGRAL DIMMER TO OFF. v (LOWERCASE) = VACANCY CONTROL DESIGNATION PHOTO ELECTRIC SWITCH D = CONTINUOUS DIMMING PHOTOCELL S = SWITCHED PHOTOCELL SINGLE POLE SWITCH a THRU z (LOWERCASE) = LUMINAIRE CONTROL DESIGNATION D = DIMMER V = LOW VOLTAGE SWITCH Connections / Equipment MOTOR CONNECTION NON-FUSED DISCONNECT SWITCH TRANSFORMER General DETAIL NUMBER AND SHEET LOCATION EQUIPMENT IDENTIFICATION KEYED NOTE DEMOLISH EXISTING WORK NEW WORK																																						
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K	GENERAL ELECTRICAL NOTES A. DO NOT COMMENCE INSTALLATION OF ELECTRICAL SYSTEMS AND EQUIPMENT WITHOUT RELATED SHOP DRAWING APPROVALS. B. SCHEDULE WORK IN EXISTING BUILDINGS WITH THE OWNER. MINIMIZE DISRUPTION OF NORMAL OPERATIONS. C. VISIT THE SITE BEFORE SUBMITTING A BID TO OBSERVE EXISTING CONDITIONS. D. ELECTRICAL CIRCUITS SHALL BE INTERRUPTED ONLY WITH PRIOR WRITTEN CONSENT. SUCH INTERRUPTIONS SHALL BE PRECEDED BY ALL POSSIBLE PREPARATIONS BY THE CONTRACTOR WHICH ARE NECESSARY TO KEEP THE ELECTRICAL CIRCUITS OFF FOR A MINIMUM PERIOD IN AN EXPEDITIOUS MANNER PURSUANT WITH GOOD WORKMANSHIP. THIS INCLUDES CIRCUIT TRACING TO IDENTIFY THE ELECTRICAL LOAD BEING SERVED AND THE ORIGIN OF THE CIRCUIT. E. COORDINATE WITH OWNER SO THAT WORK CAN BE SCHEDULED NOT TO INTERRUPT OPERATIONS, NORMAL ACTIVITIES, BUILDING ACCESS, ACCESS TO DIFFERENT AREAS. THE OWNER WILL COOPERATE TO THE BEST OF THEIR ABILITY TO ASSIST IN A COORDINATED SCHEDULE BUT WILL REMAIN THE FINAL AUTHORITY AS TO TIME OF WORK PERMITTED. F. COORDINATE THE EXACT LOCATION OF EXISTING UTILITIES AND EQUIPMENT PRIOR TO COMMENCEMENT OF WORK. COMPENSATE THE OWNER FOR DAMAGES CAUSED BY THE FAILURE TO LOCATE AND PRESERVE UTILITIES. REPLACE DAMAGED ITEMS WITH NEW MATERIAL TO MATCH EXISTING. G. REMOVE EXISTING LUMINAIRES, SWITCHES, RECEPTACLES, AND OTHER ELECTRICAL EQUIPMENT AND DEVICES AND ASSOCIATED WIRING FROM WALLS, CEILINGS, FLOORS, AND OTHER SURFACES SCHEDULED FOR REMODELING, RELOCATION, OR DEMOLITION UNLESS SHOWN AS RETAINED OR RELOCATED ON DRAWINGS. H. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN ELECTRICAL CONTINUITY OF EXISTING SYSTEMS DURING CONSTRUCTION. REMOVE OR RELOCATE ELECTRICAL BOXES, CONDUIT, WIRING, EQUIPMENT, LUMINAIRES, AND THE LIKE, AS REQUIRED IN REMOVED OR REMODELED AREAS IN THE EXISTING CONSTRUCTION AFFECTED BY THIS WORK. I. REMOVE AND RESTORE WIRING WHICH SERVES USABLE EXISTING OUTLETS CLEAR OF THE CONSTRUCTION OR DEMOLITION. J. IF EXISTING JUNCTION BOXES WILL BE MADE INACCESSIBLE, OR IF ABANDONED OUTLETS SERVE AS FEED THROUGH BOXES FOR OTHER EXISTING ELECTRICAL EQUIPMENT WHICH IS BEING RETAINED, PROVIDE NEW CONDUIT AND WIRE TO BYPASS THE ABANDONED OUTLETS. K. IF EXISTING CONDUITS PASS THROUGH PARTITIONS OR CEILING WHICH ARE BEING REMOVED OR REMODELED, PROVIDE NEW CONDUIT AND WIRE TO REROUTE CLEAR OF THE CONSTRUCTION OR DEMOLITION AND MAINTAIN SERVICE TO THE EXISTING LOAD. L. CONCEALED CONDUIT LOCATED IN CONCRETE WALLS OR HARDBOARD CEILING SPACES MAY BE ABANDONED IN PLACE. REMOVE CONDUCTORS AND TAG ABANDONED CONDUITS WITH CORRESPONDING SYSTEM AND TERMINATION POINT. CUT AND CAP ABANDONED CONDUIT. DO NOT EXTEND STUBS ABOVE FINISHED FLOOR. M. EXTEND CIRCUITING AND DEVICES IN EXISTING WALLS TO BE FURRED OUT. N. VERIFY EXACT LOCATION AND NUMBER OF EXISTING ELECTRICAL OUTLETS AND LUMINAIRES IN THE FIELD. LOCATIONS OF ITEMS SHOWN ON DRAWINGS AS EXISTING ARE PARTIALLY BASED ON RECORD AND OTHER DRAWINGS WHICH MAY CONTAIN ERRORS. VERIFY THE ACCURACY OF THE INFORMATION SHOWN PRIOR TO BIDDING AND PROVIDE SUCH LABOR AND MATERIAL AS IS NECESSARY TO ACCOMPLISH THE INTENT OF THE CONTRACT DOCUMENTS. O. REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY TO LEAVE SITE CLEAN. P. PROVIDE BLANK COVER PLATE FOR ABANDONED FLUSH OUTLETS. Q. MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE. R. OFFER REMOVED LUMINAIRES, WIRING DEVICES, PANELBOARDS AND EQUIPMENT TO THE OWNER. IF OWNER CHOOSES TO RETAIN THESE ITEMS, RETURN SUCH ITEMS TO OWNER. CAREFULLY REMOVE AND DISPOSE OF ITEMS REJECTED BY OWNER FROM PROJECT SITE AND IN A LEGAL MANNER. S. RECONNECT EXISTING LUMINAIRES NOT SHOWN ON DRAWINGS AND AFFECTED DUE TO DEMOLITION TO NEAREST AVAILABLE EXISTING LIGHTING CIRCUIT ABLE TO TAKE THE ADDITIONAL LOAD. T. PROVIDE SUITABLE ANCHORAGE AND SUPPORT FOR ELECTRICAL EQUIPMENT IN RATED WALLS, SLABS AND CEILINGS. MOUNT DEVICES AND RACEWAYS IN ACCORDANCE WITH ESTABLISHED CODES AND SPECIFICATIONS. U. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. V. DRAWINGS AND SPECIFICATIONS COMPLEMENT EACH OTHER. REQUIREMENT BY EITHER INFERS REQUIREMENT BY BOTH. W. CONNECT EQUIPMENT AND DEVICES FURNISHED UNDER OTHER DIVISIONS OF THIS CONTRACT, BY OWNER OR BY OTHER CONTRACTS. X. UNLESS OTHERWISE NOTED, PROVIDE CONCEALED AND FLUSH MOUNTED INSTALLATION OF DEVICES AND EQUIPMENT IN AREAS. Y. PROVIDE SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN 120 VOLT, MULTI-WIRE CIRCUITS. Z. FOR 120 VOLT, 20 AMP CIRCUITS, WHERE CIRCUIT DISTANCE FROM PANELBOARD TO FARTHEST DEVICE/FIXTURE EXCEEDS 60 FEET, PROVIDE #10 SIZE PHASE AND GROUND CONDUCTORS. WHERE CIRCUIT DISTANCE FROM PANELBOARD TO FARTHEST DEVICE/FIXTURE EXCEEDS 90 FEET, PROVIDE #8 SIZE PHASE AND GROUND CONDUCTORS. NOTIFY ENGINEER FOR CIRCUITS EXCEEDING 140 FEET. UPSIZE RACEWAY SIZES AS REQUIRED PER CEC. AA. RUN ELECTRICAL CONDUIT CONCEALED AND PARALLEL TO BUILDING LINES. VERIFY WITH ARCHITECT. BB. RECEPTACLE OUTLETS SHALL BE INSTALLED IN COMPLIANCE WITH CEC SECTIONS 210.8, 210.50, AND 406.12. CC. LIGHTS, SWITCHES AND CONTROL MECHANISMS SHALL COMPLY WITH CEC SECTION 404. DD. BRACE ELECTRICAL EQUIPMENT TO RESIST A HORIZONTAL FORCE THAT ACT IN ANY DIRECTION. COMPLY WITH TITLE 24 REQUIREMENTS. EE. INSTALL COMPLETE SYSTEM OF CONDUCTORS IN RACEWAY SYSTEM THROUGHOUT BUILDING FOR FEEDERS, BRANCH CIRCUITS, ETC. FF. DESIGN OF TEMPORARY POWER FOR CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY. REMOVE TEMPORARY POWER PRIOR TO COMPLETION OF PROJECT. GG. ALL WORK ON SERVICE CONDUCTORS, FEEDERS, AND OTHER SUCH EQUIPMENT SHALL BE DONE ONLY WHEN SUCH CONDUCTORS, FEEDERS, AND EQUIPMENT ARE DE-ENERGIZED. THE CONTRACTOR SHALL HAVE AN "ELECTRICAL SAFETY AND LOCK-OUT/TAG-OUT PROCEDURE" IN PLACE PRIOR TO COMMENCEMENT OF WORK. HH. COORDINATE ALL CONDUIT TRENCHING WITH OTHER DISCIPLINES TO AVOID CONFLICT. II. MINIMUM SIZE FOR EXTERIOR BELOW GRADE CONDUIT SHALL BE 1". JJ. OCCUPANCY SENSOR NOTES: 1. WALL SENSORS a. SENSOR MUST HAVE CLEAR "VIEW" OF OCCUPANTS. WHERE SENSOR WILL BE BLOCKED, SUBSTITUTE WITH SMALL-ROOM CEILING SENSOR. 2. SEE MANUFACTURER'S SPECIFICATION REGARDING PLACING SENSORS AWAY FROM STRONG AIR-FLOW. INDICATE PRECISE LOCATION OF EACH CEILING SENSOR WHERE DRAWINGS INDICATE AIR SUPPLIES. 3. IN INDIVIDUAL ROOMS WITH CEILING SENSORS AND DUAL-LEVEL LIGHTING, ASSUME TWO TOGGLE SWITCH OVERRIDES PER ROOM. 4. PRIOR TO INSTALLATION, RECEIVE FACTORY-TRAINING AND LAYOUT-ASSISTANCE. IF LOCAL AGENT CHANGES LIGHTING DRAWINGS, CONTACT FACTORY REPRESENTATIVE. KK. PROVIDE DEFERRED APPROVAL AND DESIGN BUILD FOR FIRE ALARM SYSTEM. SUBMIT COMPLETE DRAWINGS TO THE FIRE MARSHAL FOR APPROVAL AND ASSUME FULL RESPONSIBILITY OF THE SYSTEM, DEVICE QUANTITY AND LOCATION, WIRING, PROGRAMMING AND CONTROL PANELS. COORDINATE FINAL DEVICE LOCATIONS WITH THE ARCHITECT PRIOR TO ROUGH-IN. LL. ALL AIC RATINGS SHOWN ARE MINIMUM REQUIREMENTS. COORDINATE AND UPGRADE RATINGS FOR ALL DISTRIBUTION EQUIPMENT AS PER SHORT CIRCUIT ANALYSIS RECOMMENDATIONS. MM. HIRE THIRD PARTY TESTING AGENCY TO PERFORM THE FOLLOWING, AS PART OF A DEFERRED SUBMITTAL IN CONSTRUCTION FOR REVIEW AND APPROVAL BY THE ENGINEER OF RECORD: 1. SHORT CIRCUIT STUDY, ARC FLASH STUDY & LABELS, AND OVERCURRENT PROTECTIVE STUDY. 2. ACCEPTANCE TESTING IN ACCORDANCE WITH SPECIFICATIONS. NN. PROVIDE TESTING REPORTS TO ENGINEER FOR REVIEW UPON COMPLETION OF INSTALLATION FOR THE FOLLOWING, AS PART OF A DEFERRED SUBMITTAL IN CONSTRUCTION FOR REVIEW AND APPROVAL BY THE ENGINEER OF RECORD: 1. INSULATION RESISTANCE (MEGGER) TEST REPORTS PRIOR TO CONDUCTOR TERMINATION AND EQUIPMENT ENERGIZATION. 2. TORQUE TEST REPORTS PRIOR TO EQUIPMENT ENERGIZATION.																																						
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H	CLIENT ALAMEDA COUNTY INTERFACE ENGINEERING PROJECT 2025-1084 CONTACT Philip Nguyen 1999 Harrison Street, Suite 550 Oakland, CA 94612 TEL 415.489.7240 www.interfaceengineering.com																																						
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F	NOTE: If this drawing is not 22"x34" it has been revised from its original size and the scales noted on drawing/details are no longer applicable. © 2022 Shah Kawasaki Architects <table><tr><th>Revision Number</th><th>DATE</th><th>ISSUE DESCRIPTION</th></tr><tr><td></td><td>09/03/2026</td><td>PERMIT SET</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table> Project WHITECOTTON COTTAGE REHABILITATION 15400 FOOTHILL BLVD SAN LEANDRO, CA 94578	Revision Number	DATE	ISSUE DESCRIPTION		09/03/2026	PERMIT SET																																
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D	E0.01 SYMBOL LIST AND GENERAL NOTES - ELECTRICAL E0.02 LUMINAIRE SCHEDULES - ELECTRICAL E0.03 LIGHTING CONTROL MATRIX - ELECTRICAL E0.04 TITLE 24 - ELECTRICAL E0.05 TITLE 24 - ELECTRICAL E0.06 TITLE 24 - ELECTRICAL E1.01 SITE PLAN - ELECTRICAL E1.00 BASEMENT DEMOLITION PLAN - ELECTRICAL E1.01 LEVEL 1 DEMOLITION PLAN - ELECTRICAL E1.02 LEVEL 2 DEMOLITION PLAN - ELECTRICAL E2.00 BASEMENT PLAN - LIGHTING E2.01 LEVEL 01 FLOOR PLAN - LIGHTING E2.02 LEVEL 02 FLOOR PLAN - LIGHTING E2.03 ATTIC FLOOR PLAN - LIGHTING E3.00 BASEMENT PLAN - POWER E3.01 LEVEL 01 FLOOR PLAN - POWER E3.02 LEVEL 02 FLOOR PLAN - POWER E4.01 PARTIAL SINGLE LINE DIAGRAM- ELECTRICAL E5.01 PANEL SCHEDULES - ELECTRICAL E5.02 DETAILS - ELECTRICAL																																						
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B	PAGE & TURNBULL 170 MAIDEN LANE, 5TH FLOOR SAN FRANCISCO, CA Drawing Title SYMBOL LIST AND GENERAL NOTES - ELECTRICAL Drawing No. E0.01																																						
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M	<table><tr><th colspan="13">LUMINAIRE SCHEDULE</th></tr><tr><th>TYPE</th><th>DESCRIPTION</th><th>HOUSING</th><th>SHIELDING</th><th>MOUNTING</th><th>FINISH</th><th>UL/IP RATING</th><th>DRIVER/ POWER SUPPLY</th><th>LIGHT SOURCE</th><th>INPUT WATTS</th><th>VOLTAGE</th><th>MFG/CATALOG #</th><th>NOTES</th></tr><tr><td>L1</td><td>SURFACE MOUNT LINEAR LED</td><td>22-GAUGE COLD-ROLLED STEEL</td><td>ACYLIC LENS</td><td>SURFACE</td><td>TO BE SELECTED BY ARCHITECT</td><td>DAMP</td><td>INTEGRAL DRIVER, 0-10V DIMMING</td><td>LED, 2916 LUMENS, 3500K, 80CRI</td><td>19.7W</td><td>UNV</td><td>H.E WILLIAMS 75S-4-L30/835-DIM-UNV OR APPROVED EQUIVALENT</td><td></td></tr><tr><td>L2</td><td>NOT USED</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L3</td><td>4" SQUARE LED DOWNLIGHT</td><td>METAL</td><td>N/A</td><td>SURFACE</td><td>TO BE SELECTED BY ARCHITECT</td><td>DAMP</td><td>INTEGRAL DRIVER, 0-10V DIMMING</td><td>LED, 1500 LUMENS, 3500K, 90CRI</td><td>15.1W</td><td>120V</td><td>LIGHTOLIER LYTEPROFILE 4 FRAME: 4-S-N-UNV ENGINE/TRIM:P4S-DL-15-935-M-X-X-Z10-U-X OR APPROVED EQUIVALENT</td><td></td></tr><tr><td>L3A</td><td>4" SQUARE LED DOWNLIGHT</td><td>METAL</td><td>N/A</td><td>SURFACE</td><td>TO BE SELECTED BY ARCHITECT</td><td>DAMP</td><td>INTEGRAL DRIVER, 0-10V DIMMING</td><td>LED, 1000 LUMENS, 3500K, 90CRI</td><td>10.4W</td><td>120V</td><td>LIGHTOLIER LYTEPROFILE 4 FRAME: 4-S-N-UNV ENGINE/TRIM:P4S-DL-10-935-M-X-X-Z10-U-X OR APPROVED EQUIVALENT</td><td></td></tr><tr><td>L4</td><td>SURFACE MOUNT LINEAR LED - STANDARD</td><td>METAL</td><td>N/A</td><td>SURFACE</td><td>TO BE SELECTED BY ARCHITECT</td><td>DAMP</td><td>INTEGRAL DRIVER, 0-10V DIMMING</td><td>LED, 2438 LUMENS, 3500K, 90CRI</td><td>26.8W</td><td>120V</td><td>FINELITE HP-3 HP-3-SM-D-4'-S-830-F-120-SC-FC-10%-X-FE-X OR APPROVED EQUIVALENT</td><td></td></tr><tr><td>L4A</td><td>SURFACE MOUNT LINEAR LED - BOOSTED</td><td>METAL</td><td>N/A</td><td>SURFACE</td><td>TO BE SELECTED BY ARCHITECT</td><td>DAMP</td><td>INTEGRAL DRIVER, 0-10V DIMMING</td><td>LED, 2902 LUMENS, 3500K, 90CRI</td><td>29.1W</td><td>120V</td><td>FINELITE HP-3 HP-3-SM-D-4'-B-830-F-120-SC-FC-10%-X-FE-X OR APPROVED EQUIVALENT</td><td></td></tr><tr><td>L4B</td><td>SURFACE MOUNT LINEAR LED - HIGH</td><td>METAL</td><td>N/A</td><td>SURFACE</td><td>TO BE SELECTED BY ARCHITECT</td><td>DAMP</td><td>INTEGRAL DRIVER, 0-10V DIMMING</td><td>LED, 3266 LUMENS, 3500K, 90CRI</td><td>30.6W</td><td>120V</td><td>FINELITE HP-3 HP-3-SM-D-4'-H-830-F-120-SC-FC-10%-X-FE-X OR APPROVED EQUIVALENT</td><td></td></tr><tr><td>L5</td><td>WALL WASHER AT ARK WORK</td><td>STAINLESS STEEL</td><td>DIFFUSING LENS</td><td>RECESSED AT ART WORK</td><td>TO BE SELECTED BY ARCHITECT</td><td>DAMP</td><td>INTEGRAL DRIVER, 0-10V DIMMING</td><td>LED, 1070 LUMENS, 3500K, 90CRI</td><td>11W</td><td>120V</td><td>ALPHABET GAMMA-1H-SW-10LM-35K-90-25-DL-TBD-TBD-RET-120-DIM10 OR APPROVED EQUIVALENT</td><td></td></tr><tr><td>S1</td><td>EXTERIOR LED POLELIGHT - SINGLE HEAD</td><td>DIE-CAST ALUMINUM</td><td>IMPACT RESISTANT LENS</td><td>SURFACE (FLOOR)</td><td>TO BE SELECTED BY ARCHITECT</td><td>WET</td><td>INTEGRAL DRIVER, 0-10V DIMMING</td><td>LED, 7107 LUMENS, 4000K, 80 CRI</td><td>42W</td><td>120V</td><td>GARDCO OPF-S-7L-840-T3M-AR1-120-TBD OR APPROVED EQUIVALENT</td><td>1. LUMINAIRE TO BE AIMED AT EXTERIOR PATHWAY. CONTRACTOR TO COORDINATE AIMING ANGLES WITH OWNER PRIOR TO INSTALLATION. 2. PROVIDE ALL NECESSARY OPTIONS AND ACCESSORIES FOR A COMPLETE AND OPERATIONAL SYSTEM.</td></tr><tr><td>S2</td><td>EXTERIOR LED POLELIGHT - DUAL HEAD</td><td>DIE-CAST ALUMINUM</td><td>IMPACT RESISTANT LENS</td><td>SURFACE (FLOOR)</td><td>TO BE SELECTED BY ARCHITECT</td><td>WET</td><td>INTEGRAL DRIVER, 0-10V DIMMING</td><td>LED, 7107 LUMENS EACH HEAD, 4000K, 80 CRI</td><td>84W</td><td>120V</td><td>GARDCO OPF-S-7L-840-T3M-AR1-120-TBD OR APPROVED EQUIVALENT</td><td>1. LUMINAIRE TO BE AIMED AT EXTERIOR PATHWAY. CONTRACTOR TO COORDINATE AIMING ANGLES WITH OWNER PRIOR TO INSTALLATION. 2. PROVIDE ALL NECESSARY OPTIONS AND ACCESSORIES FOR A COMPLETE AND OPERATIONAL SYSTEM.</td></tr><tr><td>S3</td><td>BOLLARD - LED</td><td>ALUMINUM ALLOY</td><td>IMPACT RESISTANT LENS</td><td>SURFACE (FLOOR)</td><td>TO BE SELECTED BY ARCHITECT</td><td>WET</td><td>INTEGRAL DRIVER, 0-10V DIMMING</td><td>LED, 3083 LUMENS, 3500K, 80 CRI</td><td>28.8W</td><td>120V</td><td>GARDCO PBL-36-14L-600-NW-G2-3-120V-DD-F1-TBD OR APPROVED EQUIVALENT</td><td></td></tr><tr><td>S4</td><td>HANDRAIL - PUCK LEDS, ASYMMETRIC DISTRIBUTION</td><td>STAINLESS STEEL, MARINE GRADE</td><td>VANDAL RESISTANT</td><td>AT HANDRAILING OF STAIRS</td><td>TO BE SELECTED BY ARCHITECT</td><td>WET</td><td>INTEGRAL DRIVER, 0-10V DIMMING</td><td>LED, 135 LUMENS, 3500K, 80 CRI</td><td>1.5W</td><td>120V</td><td>ALPHABET THETHA-CF-40K-80-VA-OC-SF OR APPROVED EQUIVALENT</td><td>1. PROVIDE REMOTE DRIVER. COORDINATE DRIVER LOCATION IN FIELD. 2. PROVIDE PUCK LIGHTS EVERY 18" O.C. OR APPROVED EQUIVALENT ON STAIR RAILING.</td></tr><tr><td>S5</td><td>EXTERIOR WALL SCONCE</td><td>DIE-CAST ALUMINUM, MARINE GRADE</td><td>CLEAR</td><td>WALL MOUNTED</td><td>TO BE SELECTED BY ARCHITECT</td><td>WET</td><td>INTEGRAL DRIVER, 0-10V DIMMING</td><td>LED, 2352 LUMENS, 3500K, 90 CRI</td><td>17.9W</td><td>120V</td><td>BEGA B22386-K35-TBD OR APPROVED EQUIVALENT</td><td></td></tr><tr><td>S6</td><td>ROUND LED</td><td>DIE-CAST ALUMINUM, MARINE GRADE</td><td>CLEAR</td><td>SURFACE (CEILING)</td><td>TO BE SELECTED BY ARCHITECT</td><td>WET</td><td>INTEGRAL DRIVER, 0-10V DIMMING</td><td>LED, 2299 LUMENS, 3500K, 90 CRI</td><td>16.8W</td><td>120V</td><td>BEGA B24411-K35-TBD OR APPROVED EQUIVALENT</td><td></td></tr><tr><td>S7</td><td>4' STRIP LED</td><td>FIBERGLASS ENCLOSURE, ALUMINUM HOUSING</td><td>IMPACT RESISTANT ACRYLIC LENS</td><td>SUSPENDED</td><td>TO BE SELECTED BY ARCHITECT</td><td>WET</td><td>INTEGRAL DRIVER, 0-10V DIMMING</td><td>LED, 4000 LUMENS, 3500K, 80 CRI</td><td>30W</td><td>120V</td><td>HE WILLIAMS 96-4-L40-8-35-HIAFR-DIM-120 OR APPROVED EQUIVALENT</td><td></td></tr><tr><td>X1</td><td>EXIT SIGN - SINGLE SIDED</td><td>THERMOPLASTIC</td><td>N/A</td><td>SURFACE, UNIVERSAL</td><td>WHITE</td><td>DAMP</td><td>-</td><td>LED - GREEN LETTERS</td><td>2.5W</td><td>UNV</td><td>EMERGI-LITE PREMIER EXIT SERIES #W-PREM-AC-G OR APPROVED EQUIVALENT</td><td>1. 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S5	EXTERIOR WALL SCONCE	DIE-CAST ALUMINUM, MARINE GRADE	CLEAR	WALL MOUNTED	TO BE SELECTED BY ARCHITECT	WET	INTEGRAL DRIVER, 0-10V DIMMING	LED, 2352 LUMENS, 3500K, 90 CRI	17.9W	120V	BEGA B22386-K35-TBD OR APPROVED EQUIVALENT		S6	ROUND LED	DIE-CAST ALUMINUM, MARINE GRADE	CLEAR	SURFACE (CEILING)	TO BE SELECTED BY ARCHITECT	WET	INTEGRAL DRIVER, 0-10V DIMMING	LED, 2299 LUMENS, 3500K, 90 CRI	16.8W	120V	BEGA B24411-K35-TBD OR APPROVED EQUIVALENT		S7	4' STRIP LED	FIBERGLASS ENCLOSURE, ALUMINUM HOUSING	IMPACT RESISTANT ACRYLIC LENS	SUSPENDED	TO BE SELECTED BY ARCHITECT	WET	INTEGRAL DRIVER, 0-10V DIMMING	LED, 4000 LUMENS, 3500K, 80 CRI	30W	120V	HE WILLIAMS 96-4-L40-8-35-HIAFR-DIM-120 OR APPROVED EQUIVALENT		X1	EXIT SIGN - SINGLE SIDED	THERMOPLASTIC	N/A	SURFACE, UNIVERSAL	WHITE	DAMP	-	LED - GREEN LETTERS	2.5W	UNV	EMERGI-LITE PREMIER EXIT SERIES #W-PREM-AC-G OR APPROVED EQUIVALENT	1. PROVIDE SUITABLE MOUNTING FOR EXIT SIGN BASED ON EXISTING CONFIGURATION OF CEILING.	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	09/03/2026	PERMIT SET

Project

WHITECOTTON
COTTAGE
REHABILITATION

15400 FOOTHILL BLVD
SAN LEANDRO, CA 94578

Architect of Record



Consultant

PAGE & TURNBULL
170 MAIDEN LANE, 5TH FLOOR
SAN FRANCISCO, CA



Drawing Title

LUMINAIRE
SCHEDULES -
ELECTRICAL

Drawing No.

E0.02

SKA Project Number: 25001

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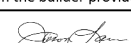
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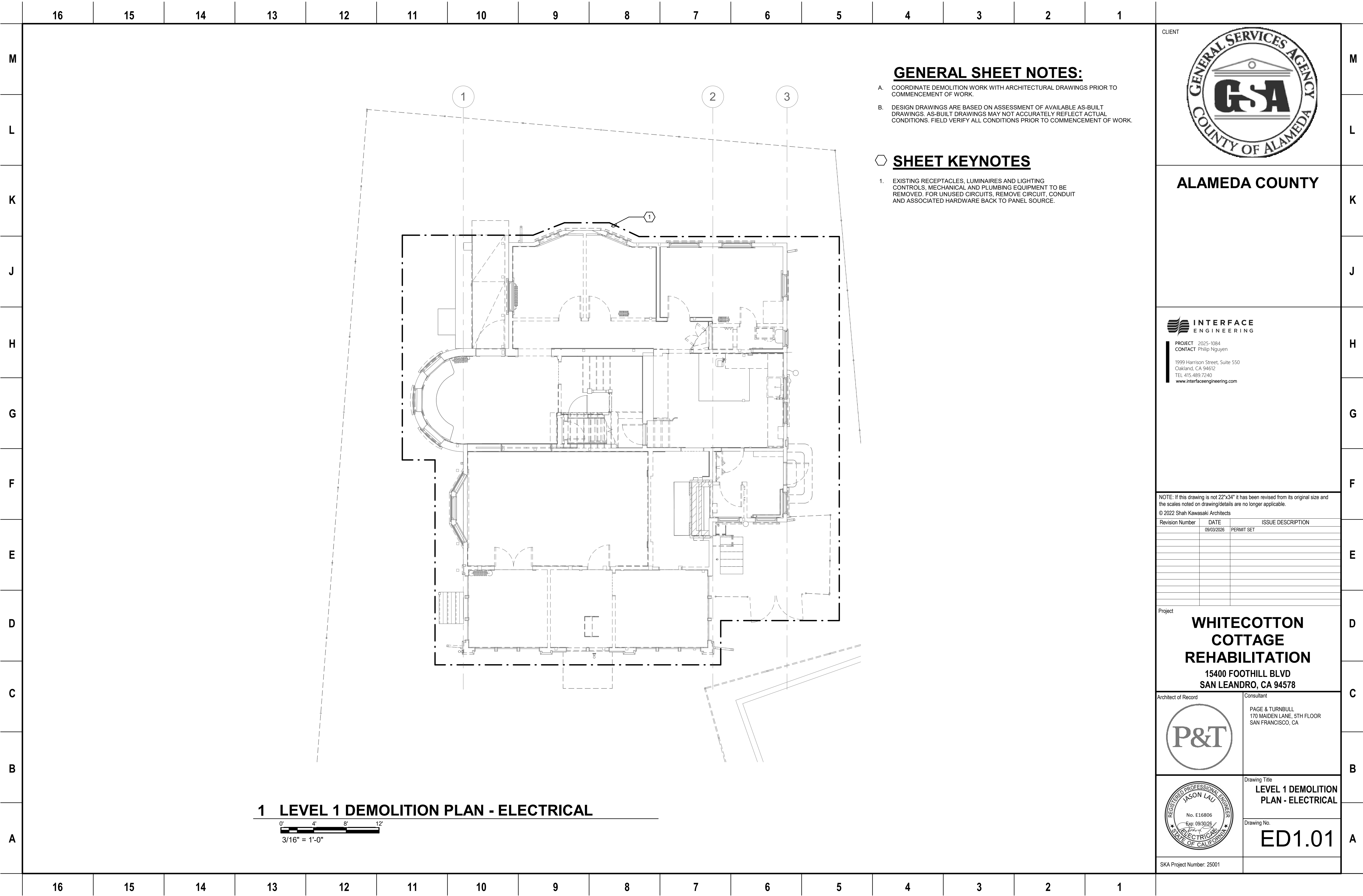
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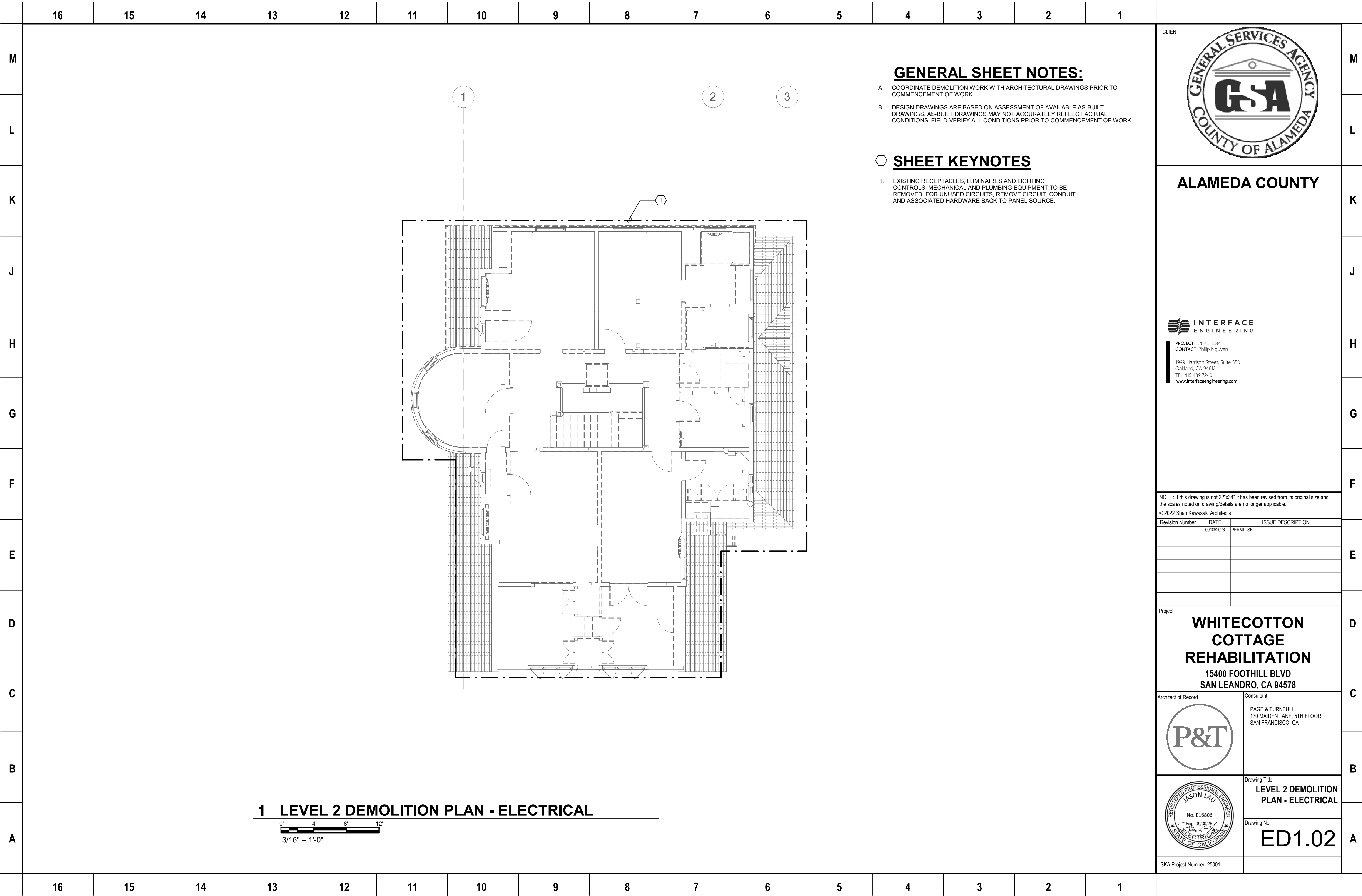
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M																	CLIENT	M
L																	STATE OF CALIFORNIA Outdoor Lighting CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE Project Name:Whitecotton Cottage Rehabilitation Report Page:(Page 10 of 10) Project Address:15400 Foothill Blvd Date Prepared:9/1/2026 DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name:Jason Lau Documentation Author Signature: Company:Interface Engineering Signature Date:2026-09-01 Address:49 Stevenson Street CLAVATEC Certification Identification (if applicable): City/State/Zip:San Francisco CA 94105 Phone:415-489-7240 RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 5 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. Responsible Person Name:Jason Lau Responsible Person Signature: Responsible Person Scope:Jason Lau Date Signed:2026-09-01 Company:Interface Engineering Inc. License:E16806 Address:49 Stevenson Street Phone:415-489-7240 City/State/Zip:San Francisco CA 94105	

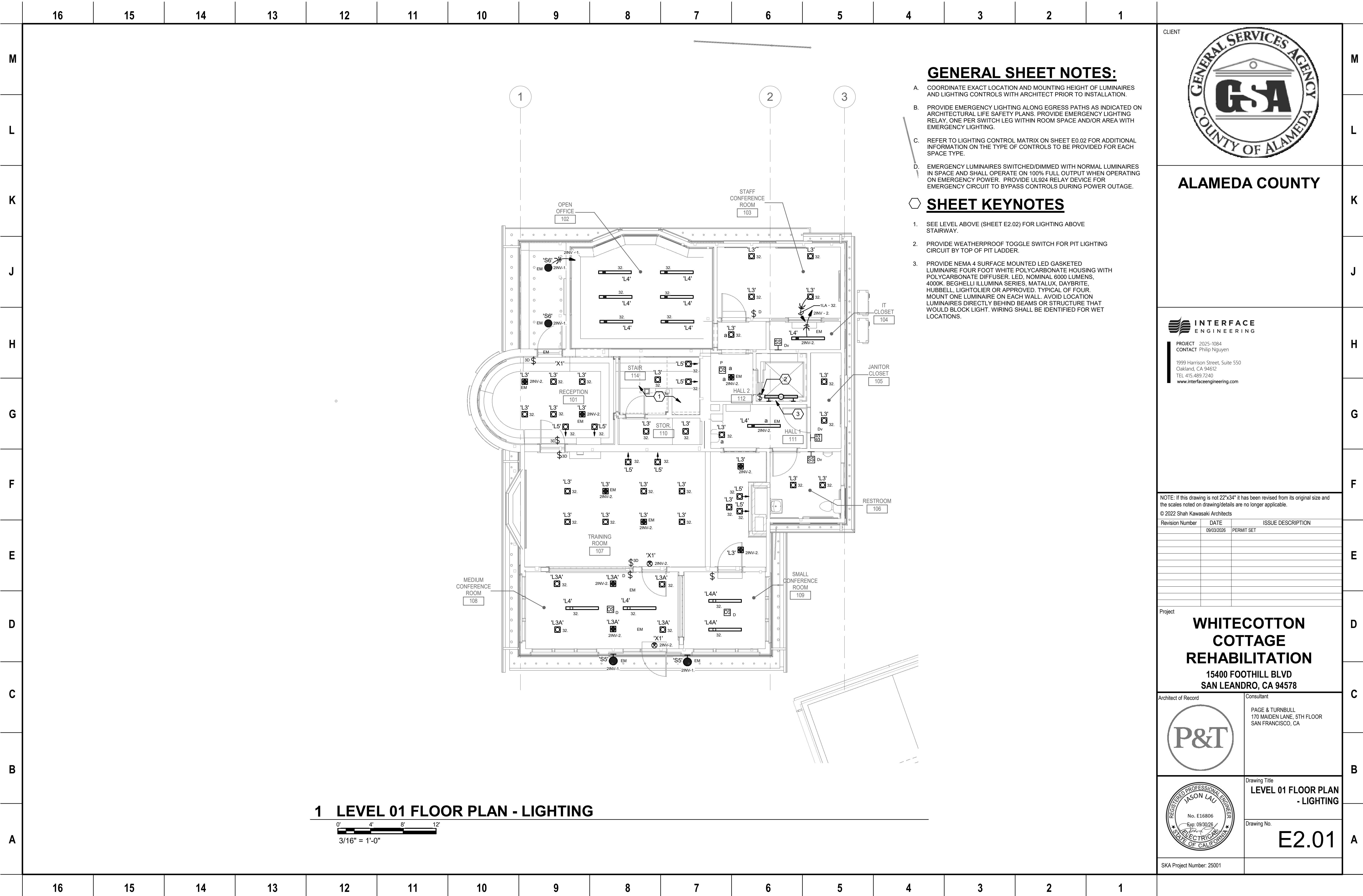
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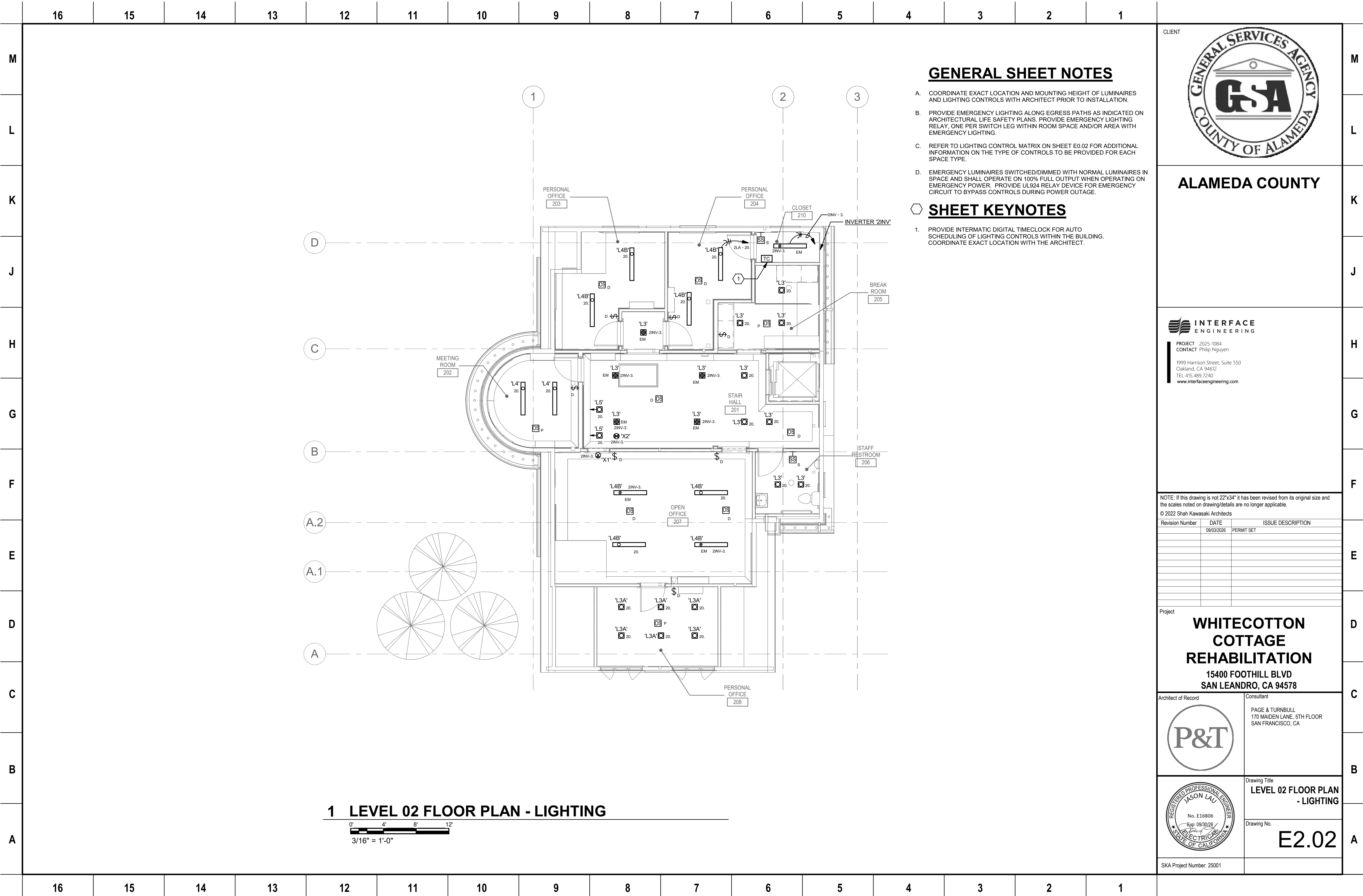
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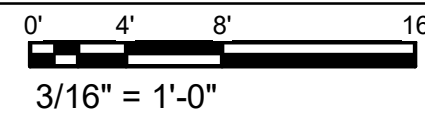








1 ATTIC FLOOR PLAN - LIGHTING



GENERAL SHEET NOTES

- A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND LIGHTING CONTROLS WITH ARCHITECT PRIOR TO INSTALLATION.
- B. PROVIDE EMERGENCY LIGHTING ALONG EGRESS PATHS AS INDICATED ON ARCHITECTURAL LIFE SAFETY PLANS. PROVIDE EMERGENCY LIGHTING RELAY, ONE PER SWITCH LEG WITHIN ROOM SPACE AND/OR AREA WITH EMERGENCY LIGHTING.
- C. REFER TO LIGHTING CONTROL MATRIX ON SHEET E.02 FOR ADDITIONAL INFORMATION ON THE TYPE OF CONTROLS TO BE PROVIDED FOR EACH SPACE TYPE.
- D. EMERGENCY LUMINAIRES SWITCHED/DIMMED WITH NORMAL LUMINAIRES IN SPACE AND SHALL OPERATE ON 100% FULL OUTPUT WHEN OPERATING ON EMERGENCY POWER. PROVIDE UL924 RELAY DEVICE FOR EMERGENCY CIRCUIT TO BYPASS CONTROLS DURING POWER OUTAGE.

SHEET KEYNOTES

1. WALL MOUNTED OCCUPANCY SENSOR LOCATED ON STUD WALL BUILD OUT BY THE ARCHITECT. DRAWINGS ARE DIAGRAMMATIC IN NATURE, SEE ARCHITECTURAL DRAWINGS FOR EXACT DETAILS.



ALAMEDA COUNTY



PROJECT 2025-1084
CONTACT Philip Nguyen
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Project

WHITECOTTON COTTAGE REHABILITATION

15400 FOOTHILL BLVD
SAN LEANDRO, CA 94578



Consultant
PAGE & TURNBULL
170 MAIDEN LANE, 5TH FLOOR
SAN FRANCISCO, CA



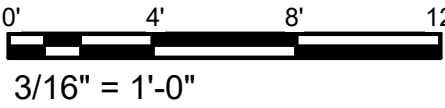
Drawing Title

**ATTIC FLOOR PLAN -
LIGHTING**

Drawing No.

E2.03

SKA Project Number: 25001



A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLE OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION. PROVIDE MAINTENANCE RECEPTACLE WITHIN 25' OF EACH EQUIPMENT PER CEC ARTICLE 210.63.



ALAMEDA COUNTY



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Project

WHITECOTTON COTTAGE REHABILITATION

**15400 FOOTHILL BLVD
SAN LEANDRO, CA 94578**

Architect of Record



Consultant

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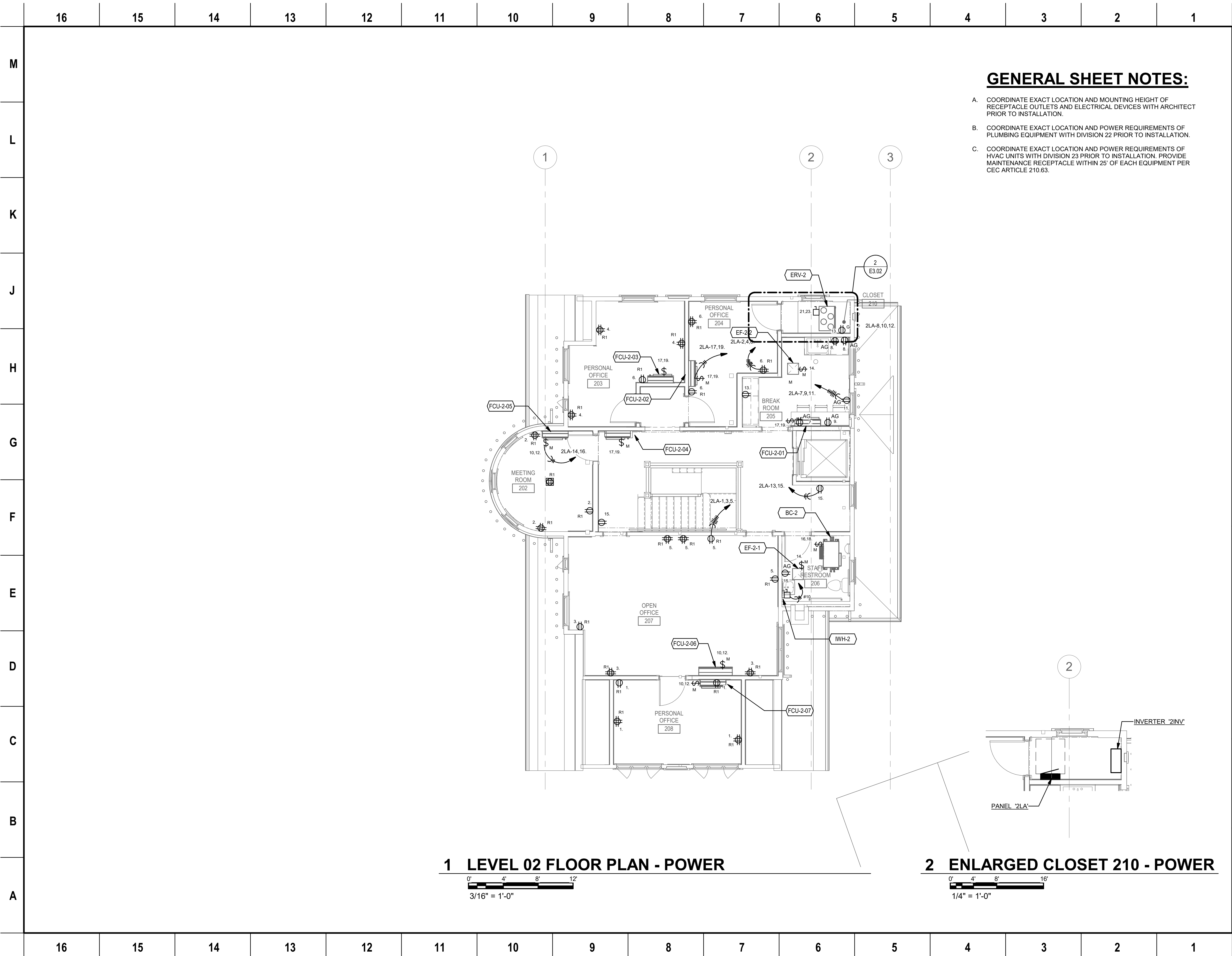
Drawing Title

**BASEMENT PLAN -
POWER**

Drawing No.

E3.00

SKA Project Number: 25001



GENERAL SHEET NOTES:

- A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLE OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.
- B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF PLUMBING EQUIPMENT WITH DIVISION 22 PRIOR TO INSTALLATION.
- C. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION. PROVIDE MAINTENANCE RECEPTACLE WITHIN 25' OF EACH EQUIPMENT PER CEC ARTICLE 210.63.



ALAMEDA COUNTY



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Revision Number	DATE	ISSUE DESCRIPTION
	09/03/2026	PERMIT SET

Project

**WHITECOTTON
COTTAGE
REHABILITATION**

15400 FOOTHILL BLVD
SAN LEANDRO, CA 94578

Architect of Record



Consultant

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170 MAIDEN LANE, 5TH FLOOR
SAN FRANCISCO, CA



Drawing Title
**LEVEL 02 FLOOR PLAN
- POWER**

Drawing No.

E3.02

SKA Project Number: 25001

1 PARTIAL SINGLE LINE DIAGRAM - ELECTRICAL

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

M

L

K

J

H

G

F

E

D

C

B

A

INVERTER: 2INV

Location: CLOSET 210

Supply From: 2LA

Mounting:

Enclosure: NEMA 1

Service: 120 V, 1 PH, 2 WIRE

A.I.C. Rating: 0 A

Rating: 1.6KVA

CKT	Circuit Description	Trip	Poles	Load
1	EM LIGHTING - BASEMENT & ENTRY	20 A	1	87.6
2	EM LIGHTING - 1ST FLOOR	20 A	1	148.5
3	EM LIGHTING - 2ND FLOOR	20 A	1	167.5
4	SPARE BREAKER	20 A	1	0.0
5	SPARE BREAKER	20 A	1	0.0
6	SPARE BREAKER	20 A	1	0.0
7	SPARE BREAKER	20 A	1	0.0
8	SPARE BREAKER	20 A	1	0.0
Total Load:				403.6
Total Amps:				3 A

Notes:

PANELBOARD: 1LA

MAIN CIRCUIT BREAKER 400 A

BUS AMPACITY: 400 A

EQUIPMENT RATING: 120/208 V, 3PH, 4 WIRE

AIC RATING: SEE ONE-LINE DIAGRAM

MOUNTING: SURFACE

ENCLOSURE: TYPE 1

LOCATION: IT CLOSET

SUPPLIED FROM:

Accessories:

Load (VA)																	
CKT	Description/Location	Type	C.B.	Pole	Note	A	B	C	A	B	C	Note	Pole	C.B.	Type	Description/Location	CKT
1	REC - CONF 108 & 109	R	20 A	1		1,080			1,080				1	20 A	R	REC - TRAINING ROOM 107	2
3	REC - CONF 108 & 109	R	20 A	1			1,080			1,080			1	20 A	R	REC - TRAINING ROOM 107	4
5	REC - TRAINING ROOM 107	R	20 A	1				1,080			900		1	20 A	R	REC - RECEPTION 101	6
7	REC - OPEN OFFICE 102	R	20 A	1		1,080			266				2	20 A	Motor	FCU-1-01/02/03/04, FCU-0-01	8
9	REC - CONF ROOM 103	R	20 A	1			900		266			--	--	--	--	--	10
11	REC - CLOSET, RESTROOM, CP-1	R	20 A	1				720			100		2	20 A	Motor	FCU-1-05/06/07/08	12
13	CU-1	Motor	100 A	3		7,205			100			--	--	--	--	--	14
15	--	--	--	--	--	7,205			832				2	20 A	Motor	CU-2	16
17	--	--	--	--	--		7,205			832		--	--	--	--	--	18
19	EF-1-1/2, FSDs	Motor	20 A	1		280			1,800				3	30 A	Motor	ELEV DISCONNECT	20
21	BC-1	Motor	20 A	2			14			1,800		--	--	--	--	--	22
23	--	--	--	--	--			14			1,800	--	--	--	--	--	24
25	DOOR BUCK CABINET	R	20 A	1		1,800			2,080				2	30 A	WH	IWH-1	26
27	REC - BASEMENT	R	20 A	1			540			2,080		--	--	--	--	--	28
29	ERV-1	Motor	20 A	2				1,248			566		1	20 A	L	LIGHTING - SITE	30
31	--	--	--	--	--	1,248			676				1	20 A	L	LIGHTING - BASEMENT & 1ST FLR	32
33	SECURITY PANEL - IT CLOSET 104	G	20 A	1			1,000			500			1	20 A	G	IRRIGATION CONTROLLER - SITE	34
35	RACK - IT CLOSET 104	R	20 A	1				1,920			2,500		2	100 A	WH	HPWH-1	36
37	REC - EXTERIOR EAST	R	20 A	1		180			2,500			--	--	--	--	--	38
39	SPARE BREAKER	--	20 A	1			0			720			1	20 A	R	REC - OFFICES LEVEL 1	40
41	SPARE BREAKER	--	20 A	1				0			0		1	20 A	--	SPARE BREAKER	42
43	SPARE BREAKER	--	20 A	1		0			0				1	20 A	--	SPARE BREAKER	44
45	BUSSED SPACE	--	--	1			--			0			1	20 A	--	SPARE BREAKER	46
47	BUSSED SPACE	--	--	1				--			0		1	20 A	--	SPARE BREAKER	48
49	PANEL '2LA'	Moto...	100 A	3		9,634			0								

	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																																		
M	PLUMBING SYMBOL LIST NOTE: This is a standard symbol list and not all items listed may be used. Abbreviations (A) ABANDON IN PLACE AFF ABOVE FINISHED FLOOR AP ACCESS PANEL & AND A AQUASTAT, ARCHITECT, ANCHOR, AMPHERE @ AT BFP BACKFLOW PREVENTER BFF BELOW FINISHED FLOOR BTUH BRITISH THERMAL UNITS PER HOUR BLDG BUILDING CV CHECK VALVE CO CLEANOUT CW COLD WATER CD CONDENSATE DRAIN CONT. CONTINUATION CFH CUBIC FEET PER HOUR CFS CUBIC FEET PER SECOND (X) DEMOLISH DW DISHWASHER, DOMESTIC WATER DET DOMESTIC EXPANSION TANK DCVA DOUBLE CHECK VALVE ASSEMBLY DN DOWN DS DOWNSPOUT DSN DOWNSPOUT NOZZLE D DRAIN DFU DRAINAGE FIXTURE UNIT DWV DRAINAGE, WASTE AND VENT DF DRINKING FOUNTAIN EWC ELECTRIC WATER COOLER EWH ELECTRIC WATER HEATER (E) EXISTING FT FEET FFE FINISHED FLOOR ELEVATION F FIRE, FAHRENHEIT FL FLOOR FCO FLOOR CLEANOUT FD FLOOR DRAIN FV FLUSH VALVE ' FOOT, FEET (F) FUTURE GPM GALLONS PER MINUTE GWH GAS WATER HEATER HVAC HEATING, VENTILATING AND AIR CONDITIONING HZ HERTZ HB HOSE BIBB HW HOT WATER HWFU HOT WATER FIXTURE UNIT HWR HOT WATER RETURN IN, " INCHES IW INDIRECT WASTE INV INVERT ELEVATION L LAVATORY MIN MINIMUM MX MIXING VALVE MS MOP SINK (N) NEW N NORTH NIC NOT IN CONTRACT NTS NOT TO SCALE # NUMBER NO. NUMBER OD OVERFLOW DRAIN, OUTSIDE DIAMETER OFCI OWNER FURNISHED, CONTRACTOR INSTALLED OFOI OWNER FURNISHED, OWNER INSTALLED PLBG PLUMBING P PLUMBING, PUMP POC POINT OF CONNECTION PSI POUNDS PER SQUARE INCH PD PRESSURE DROP, PLUMBING DEMOLITION, PUMPED DISCHARGE PRV PRESSURE REDUCING VALVE QTY QUANTITY RWL RAINWATER LEADER RPBP REDUCED PRESSURE BACKFLOW PREVENTER (R) RELOCATE / RELOCATED LOCATION RD ROOF DRAIN SAN SANITARY SB SERVICE BOX SHT SHEET SA SHOCK ARRESTOR SOV SHUT OFF VALVE S, SK SINK SF SQUARE FEET SD STORM DRAIN SP SUMP PUMP, STATIC PRESSURE TEMP TEMPERATURE TP TRAP PRIMER, TOTAL PRESSURE TYP TYPICAL U, UR URINAL V VACUUM, VENT, VOLT VTR VENT THRU ROOF WCO WALL CLEANOUT W WASTE WC WATER COLUMN, WATER CLOSET WHA WATER HAMMER ARRESTOR WH WATER HEATER, WALL HYDRANT WSFU WATER SUPPLY FIXTURE UNIT W/ WITH General ⊗ KEYED NOTE —X—X— DEMOLISH — EXISTING WORK — / — / — PIPE OR CONDUIT BELOW GRADE — CONTINUATION ● EXTENT OF DEMOLITION ● POINT OF CONNECTION ⊠ FIXTURE TAG (LEVEL BELOW FIXTURE) xxx-x HVAC EQUIPMENT IDENTIFICATION (REF. ONLY) ⬢ PLUMBING EQUIPMENT IDENTIFICATION AP ACCESS PANEL ⊏ AQUASTAT ⊏ BLIND FLANGE ⊏ CAP → COTG CLEANOUT TO GRADE → CONCENTRIC REDUCER → DSN DOWNSPOUT NOZZLE → ECCENTRIC REDUCER → FCO FLOOR CLEANOUT ⊙ FD FLOOR DRAIN ⊠ FS FLOOR SINK → FLOW DIRECTION → HOSE BIBB / WALL HYDRANT ● OD OVERFLOW ROOF DRAIN → PIPE DROP → PIPE RISE ⊙ PUMP ⊙ RD ROOF DRAIN ⊙ SHOCK ABSORBER / WATER HAMMER ARRESTOR → STRAINER → T&P RELIEF VALVE WITH PIPE TO DRAIN — TEE DOWN ON PIPE → TEE UP ON PIPE ⊙ VTR VENT THROUGH ROOF → WCO WALL CLEANOUT Piping Systems — — — COLD WATER PIPING — □ — CONDENSATE / INDIRECT DRAIN PIPING — — — — HOT WATER PIPING — — — — — HOT WATER RETURN PIPING — 2WG — NATURAL GAS PIPING, 2 LB — G — NATURAL GAS PIPING, 7" WC PRESSURE — OD — OVERFLOW DRAIN PIPING ABOVE GRADE OR FINISHED FLOOR SANITARY VENT PIPING — — — — — SANITARY WASTE OR SOIL PIPING ABOVE GRADE OR FINISHED FLOOR — — — — — SANITARY WASTE OR SOIL PIPING BELOW GRADE OR FINISHED FLOOR — SD — STORM DRAIN PIPING ABOVE GRADE OR FINISHED FLOOR — — SD — — STORM DRAIN PIPING BELOW GRADE OR FINISHED FLOOR — TP — TRAP PRIMER PIPING Valves — BFP — BACKFLOW PREVENTER → CHECK VALVE → SHUTOFF VALVE, GENERAL																																																	
L	GENERAL PLUMBING NOTES A. ALL WORK UNDER THIS CONTRACT SHALL CONFORM TO THE CURRENT STATE, COUNTY AND NATIONAL CODES AND STANDARDS ADOPTED BY THE LOCAL JURISDICTIONS INCLUDING APPLICABLE AMENDMENTS. B. CONDITIONS SHOWN ON THE PLANS RELATIVE TO THE WORK TO BE PERFORMED ARE BASED ON THE BEST INFORMATION AVAILABLE AND SUBJECT TO VERIFICATION. VERIFY LOCATIONS AND ELEVATIONS OF UTILITIES TO BE CROSSED OR CONNECTED. CORRECT DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS AT NO EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT AND ENGINEER OF CONDITION IN CONFLICT WITH THE DETAILS/PLANS. C. COORDINATE INSTALLATION OF PIPING, FIXTURES, EQUIPMENT AND THE LIKE BELOW AND ABOVE GRADE WITH STRUCTURAL COMPONENTS AND OTHER SYSTEMS INSTALLATION. D. COORDINATE FIXTURES, EQUIPMENT, PIPE ROUGH-IN/CONNECTION LOCATIONS AND DRAIN LOCATIONS WITH ARCHITECTURAL DRAWINGS. E. VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILING SHALL BE WITHIN 18" OF CEILING. F. ALL WASTE PIPE TO SLOPE MINIMUM OF 1/4" PER FOOT. G. PROVIDE WATER HAMMER ARRESTERS TO DOMESTIC WATER LINES SERVING QUICK ACTING VALVES SUCH AS THE FOLLOWING: 1. FLUSH VALVES. 2. SOLENOID VALVES TO ICEMAKERS AND DISHWASHER. 3. SENSOR FAUCETS. 4. SINGLE HANDLE FAUCETS. 5. SINGLE HANDLE SHOWER VALVES. 6. SINGLE HANDLE TUB.SHOWER VALVES. H. EXCEPT FOR SHOWER DRAINS, ALL FLOOR DRAINS, FLOOR SINKS, AND OTHER INDIRECT WASTE RECEPTORS DIRECTLY CONNECTED TO THE DRAINAGE SYSTEM SHALL BE PROVIDED WITH AN AUTOMATIC TRAP PRIMER. I. PERMANENT VACUUM BREAKERS SHALL BE INCLUDED IN ALL HOSE BIBS. J. INSTALLATION OF THE DOMESTIC HOT WATER SYSTEM SHALL COMPLY WITH THE MANDATORY REQUIREMENTS OF SECTION 1103.3 OF THE CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS. K. DRAINAGE PIPING SERVING FIXTURES THAT ARE LOCATED BELOW THE ELEVATION OF THE NEXT UPSTREAM MANHOLE SHALL BE PROVIDED WITH A BACKWATER VALVE. FIXTURES ABOVE THAT LEVEL SHALL NOT DISCHARGE THROUGH THIS VALVE. L. SEWER VENTS SHALL TERMINATE AT LEAST 10 FEET HORIZONTALLY (25 FEET FOR OSHPD PROJECTS) FROM AND AT LEAST 3 FEET ABOVE OPERABLE WINDOW, DOOR OPENING, AIR INTAKE OR VENT SHAFT. VENT MUST BE AT LEAST 3 FEET FROM PROPERTY LINE. M. PRIOR TO BEING CONCEALED, PIPING PENETRATIONS AT THE FIRE RESISTIVE ASSEMBLIES SHALL BE INSPECTED TO VERIFY COMPLIANCE WITH THE FIRE RESISTANCE RATING. N. INDIRECT WASTE SHALL DISCHARGE TO THE BUILDING DRAINAGE THROUGH AN APPROVED AIR GAP OR AIR BREAK WITH A MINIMUM 1" DISTANCE FROM THE LOWEST POINT OF INDIRECT PIPE TO THE FLOOD LEVEL RIM OF THE RECEPTOR.																																																	
K	ALAMEDA COUNTY																																																	
J	INTERFACE ENGINEERING PROJECT 2025-1084 CONTACT George Edpalina 1999 Harrison Street, Suite 550 Oakland, CA 94612 TEL 415.489.7240 www.interfaceengineering.com																																																	
H	NOTE: If this drawing is not 22"x34" it has been revised from its original size and the scales noted on drawing/details are no longer applicable. © 2022 Shah Kawasaki Architects <table><tr><th>Revision Number</th><th>DATE</th><th>ISSUE DESCRIPTION</th></tr><tr><td></td><td>09/03/2026</td><td>PERMIT SET</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>																Revision Number	DATE	ISSUE DESCRIPTION		09/03/2026	PERMIT SET																												
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D	REGISTERED PROFESSIONAL ENGINEER GEORGE ARNAIZ ED PALINA No. M38226 Exp. 03/31/27 MECHANICAL STATE OF CALIFORNIA Drawing Title SYMBOL LIST AND GENERAL NOTES - PLUMBING Drawing No. P0.01																																																	
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M	ELECTRIC WATER HEATER SCHEDULE - TANK TYPE <table><tr><th rowspan="2">SYMBOL</th><th rowspan="2">EQUIPMENT TYPE</th><th rowspan="2">LOCATION / SERVING</th><th colspan="2">BASIS OF DESIGN</th><th rowspan="2">TANK CAPACITY (GALLONS)</th><th rowspan="2">RECOVERY RATE @ 100F RISE (GPH)</th><th colspan="4">ELECTRICAL</th><th rowspan="2">MAX WT (LBS)</th><th rowspan="2">COMMENTS</th></tr><tr><th>MFR</th><th>MODEL</th><th>VOLTS</th><th>PH</th><th>KW</th><th>ELEMENTS</th></tr><tr><td>EWH-1</td><td>ELECTRIC WATER HEATER</td><td>JANITOR CLOSET</td><td>AO SMITH</td><td>DEL-50</td><td>51</td><td>23</td><td>208</td><td>1</td><td>5</td><td>2</td><td>172</td><td></td></tr><tr><td>CP-1</td><td>CIRCULATING PUMP</td><td>JANITOR CLOSET</td><td>BELL & GOSSETT</td><td>NBF-12F/LW</td><td>-</td><td>-</td><td>115</td><td>1</td><td>0.055</td><td>-</td><td>-</td><td>0.5 GPM @ 4FT OF HEAD; PROVIDE TIMER AND AQUASTAT</td></tr><tr><td>DET-1</td><td>EXPANSION TANK</td><td>JANITOR CLOSET</td><td>AMTROL</td><td>ST-5C-DD</td><td>2</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>10</td><td></td></tr><tr><td>TMV-1</td><td>THERMOSTATIC MIXING VALVE</td><td>JANITOR CLOSET</td><td>LEONARD</td><td>TM-26-BDT-LF</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>1 GPM MIN FLOW CAPACITY; BALL VALVE WITH DIAL THERMOMETER</td></tr><tr><td colspan="13">NOTES:</td></tr></table>																SYMBOL	EQUIPMENT TYPE	LOCATION / SERVING	BASIS OF DESIGN		TANK CAPACITY (GALLONS)	RECOVERY RATE @ 100F RISE (GPH)	ELECTRICAL				MAX WT (LBS)	COMMENTS	MFR	MODEL	VOLTS	PH	KW	ELEMENTS	EWH-1	ELECTRIC WATER HEATER	JANITOR CLOSET	AO SMITH	DEL-50	51	23	208	1	5	2	172		CP-1	CIRCULATING PUMP	JANITOR CLOSET	BELL & GOSSETT	NBF-12F/LW	-	-	115	1	0.055	-	-	0.5 GPM @ 4FT OF HEAD; PROVIDE TIMER AND AQUASTAT	DET-1	EXPANSION TANK	JANITOR CLOSET	AMTROL	ST-5C-DD	2	-	-	-	-	-	10		TMV-1	THERMOSTATIC MIXING VALVE	JANITOR CLOSET	LEONARD	TM-26-BDT-LF	-	-	-	-	-	-	-	1 GPM MIN FLOW CAPACITY; BALL VALVE WITH DIAL THERMOMETER	NOTES:													CLIENT  ALAMEDA COUNTY	M																																																																																																																
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EWH-1	ELECTRIC WATER HEATER	JANITOR CLOSET	AO SMITH	DEL-50	51	23	208	1	5	2	172																																																																																																																																																																																																											
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DET-1	EXPANSION TANK	JANITOR CLOSET	AMTROL	ST-5C-DD	2	-	-	-	-	-	10																																																																																																																																																																																																											
TMV-1	THERMOSTATIC MIXING VALVE	JANITOR CLOSET	LEONARD	TM-26-BDT-LF	-	-	-	-	-	-	-	1 GPM MIN FLOW CAPACITY; BALL VALVE WITH DIAL THERMOMETER																																																																																																																																																																																																										
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 **INTERFACE**
ENGINEERING

PROJECT 2025-1084
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WHITECOTTON COTTAGE REHABILITATION
15400 FOOTHILL BLVD
SAN LEANDRO, CA 94578

Architect of Record



Consultant

PAGE & TURNBULL
170 MAIDEN LANE, 5TH FLOOR
SAN FRANCISCO, CA



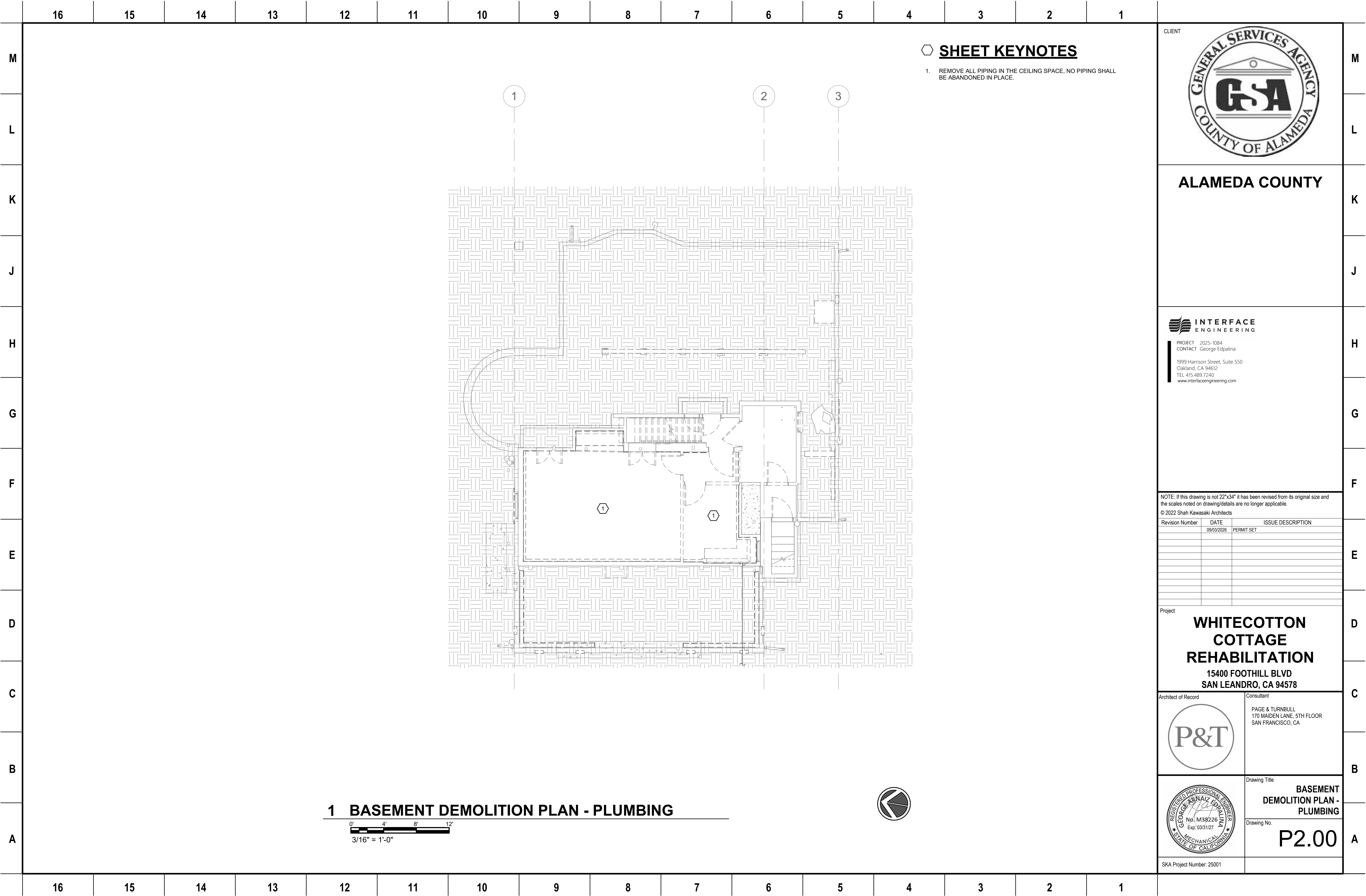
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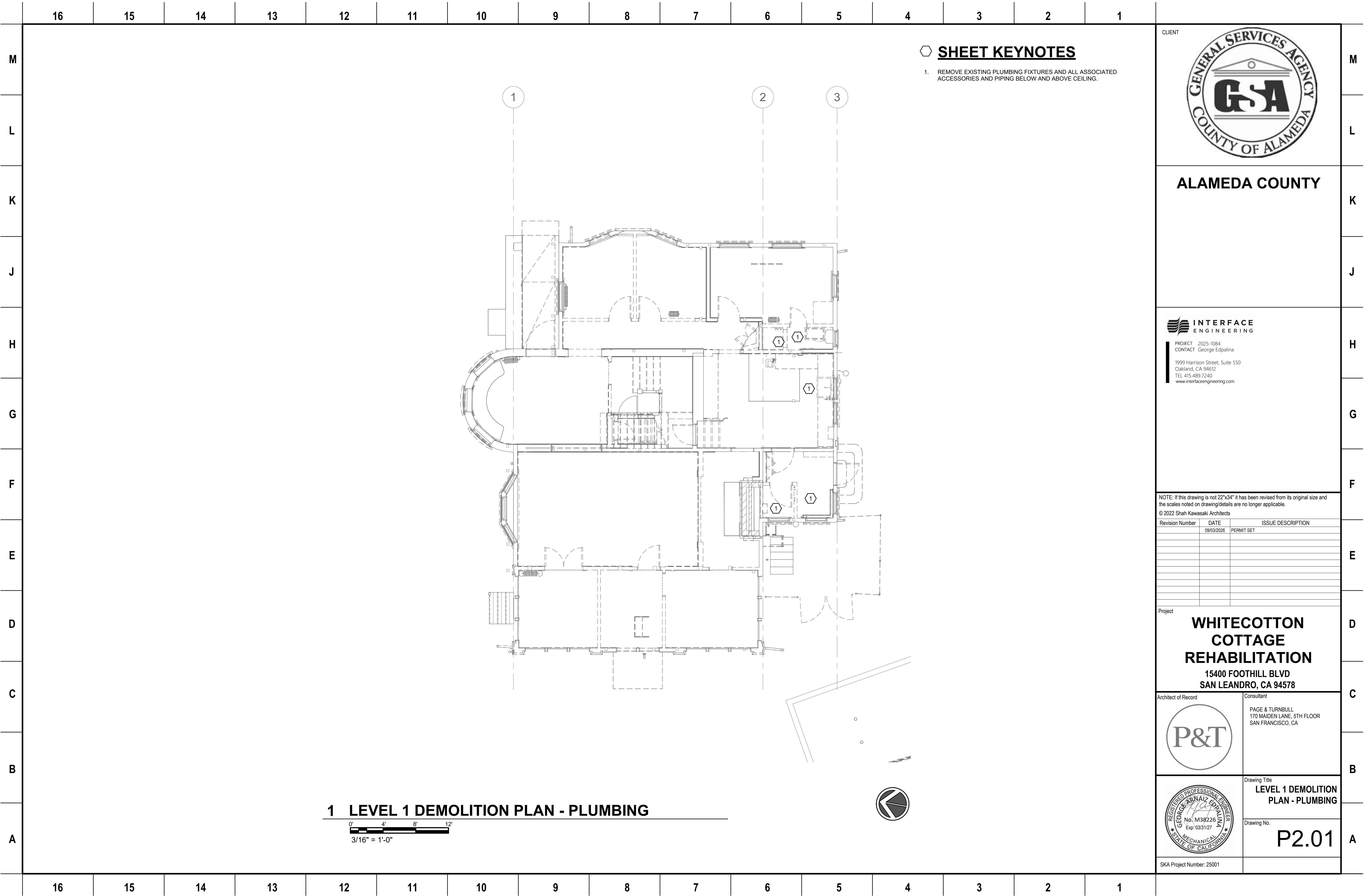
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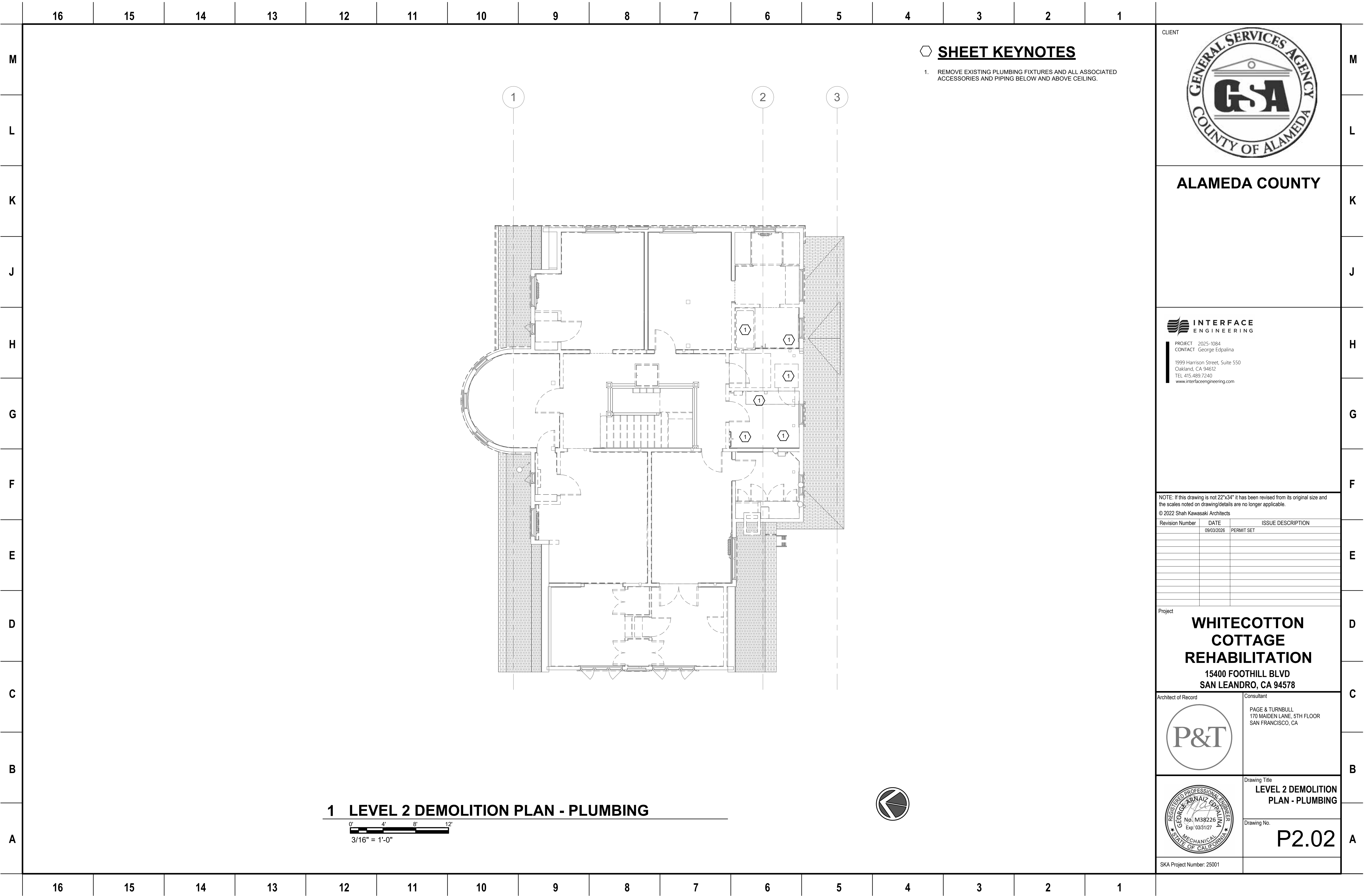
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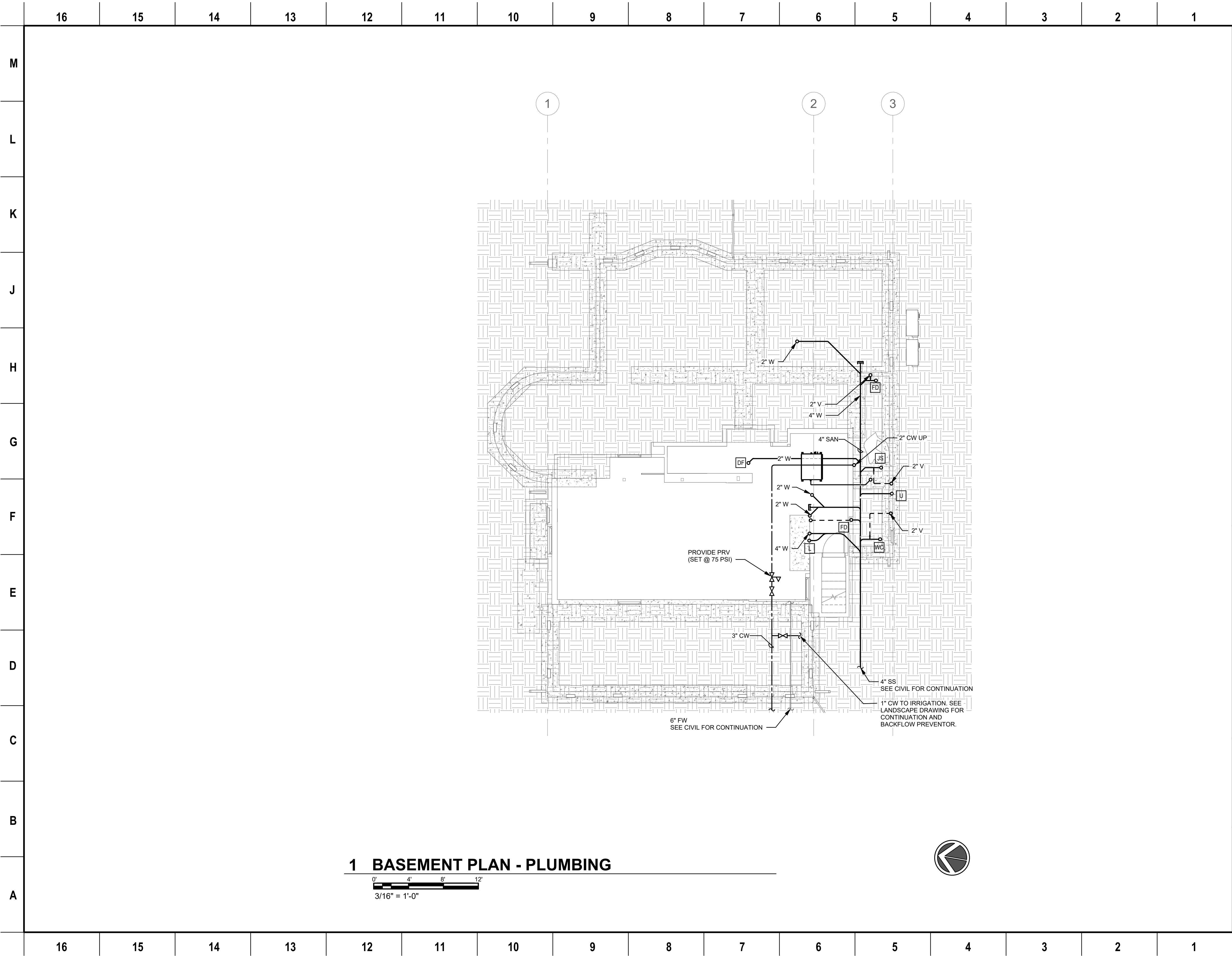
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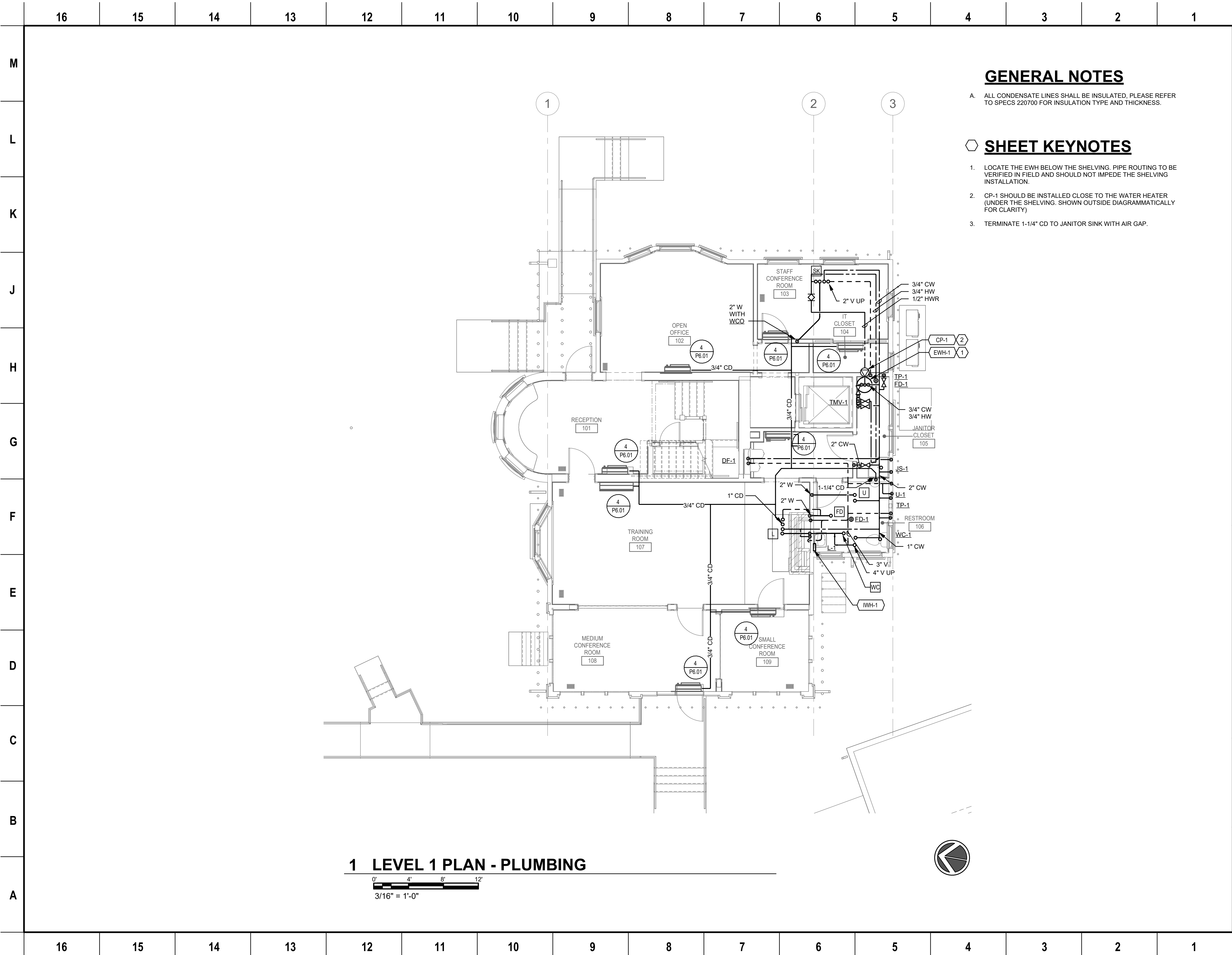
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**WHITECOTTON
COTTAGE
REHABILITATION**
15400 FOOTHILL BLVD
SAN LEANDRO, CA 94578

Architect of Record 	Consultant PAGE & TURNBULL 170 MAIDEN LANE, 5TH FLOOR SAN FRANCISCO, CA
	Drawing Title BASEMENT PLAN - PLUMBING Drawing No. P3.00
SKA Project Number: 25001	



GENERAL NOTES

A. ALL CONDENSATE LINES SHALL BE INSULATED. PLEASE REFER TO SPECS 220700 FOR INSULATION TYPE AND THICKNESS.

SHEET KEYNOTES

- LOCATE THE EWH BELOW THE SHELVING. PIPE ROUTING TO BE VERIFIED IN FIELD AND SHOULD NOT IMPEDE THE SHELVING INSTALLATION.
- CP-1 SHOULD BE INSTALLED CLOSE TO THE WATER HEATER (UNDER THE SHELVING. SHOWN OUTSIDE DIAGRAMMATICALLY FOR CLARITY)
- TERMINATE 1-1/4" CD TO JANITOR SINK WITH AIR GAP.

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15400 FOOTHILL BLVD
SAN LEANDRO, CA 94578

Architect of Record



Consultant

PAGE & TURNBULL
170 MAIDEN LANE, 5TH FLOOR
SAN FRANCISCO, CA

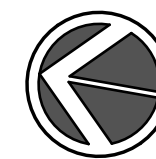
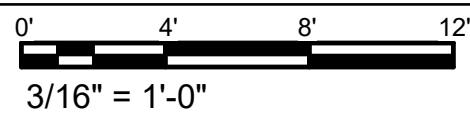


Drawing Title
**LEVEL 1 PLAN -
PLUMBING**

Drawing No.

P3.01

SKA Project Number: 25001



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Architect of Record



Consultant

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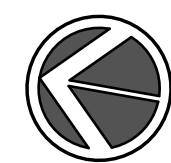
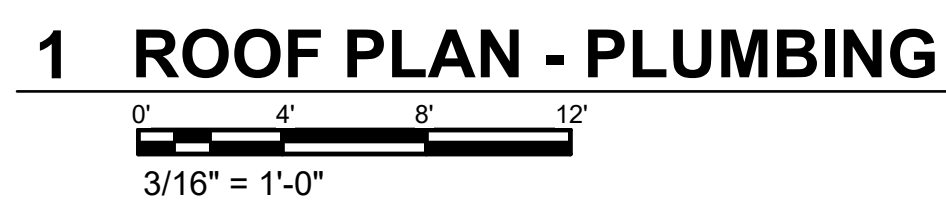
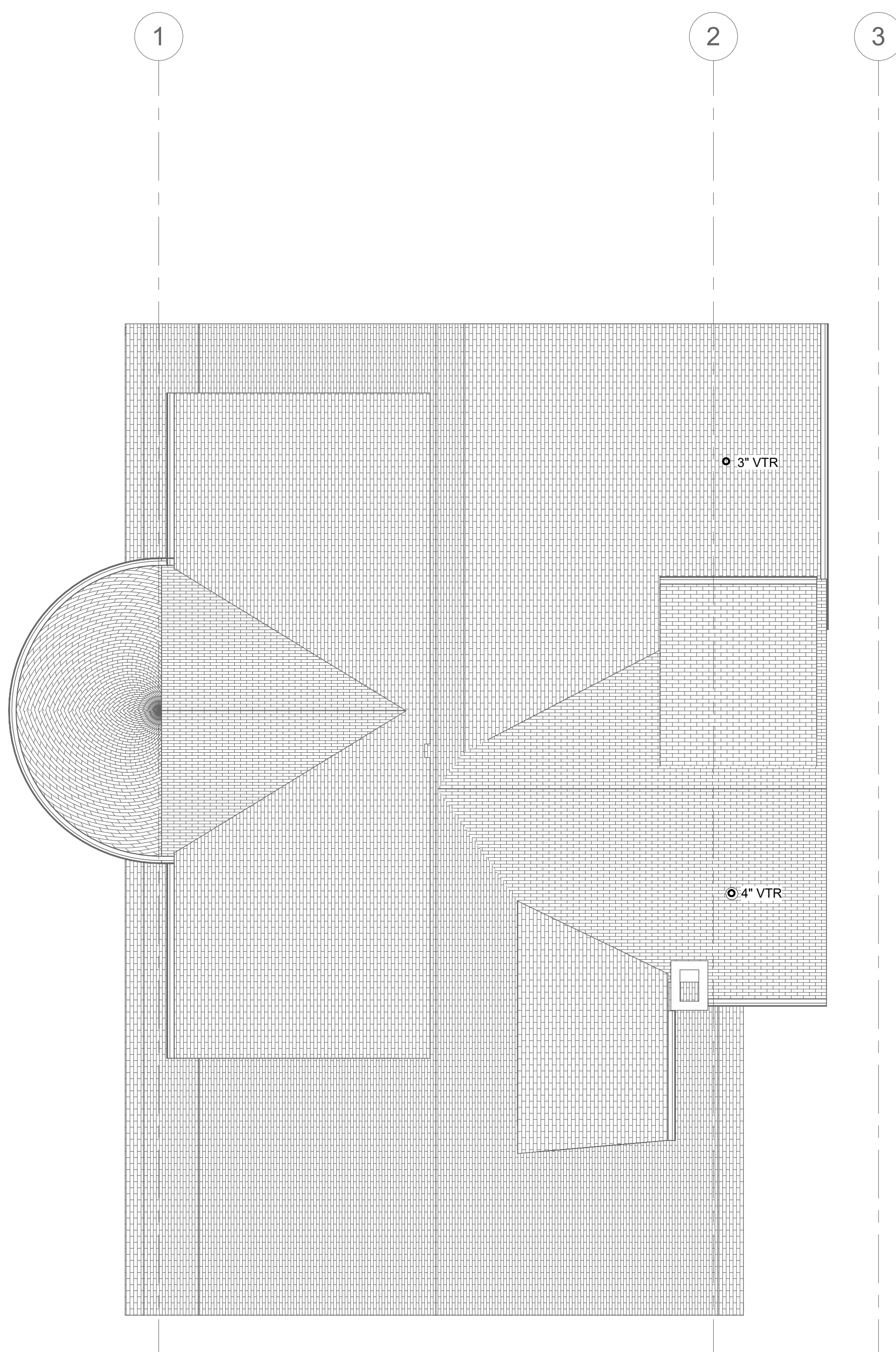
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**LEVEL 2 PLAN -
PLUMBING**

Drawing No.

P3.02 | A

SKA Project Number: 25001



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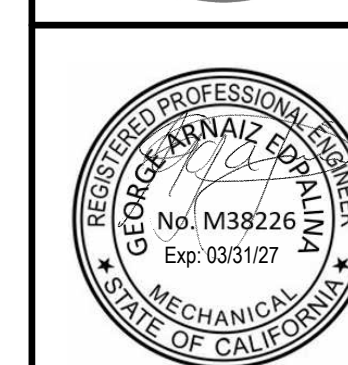
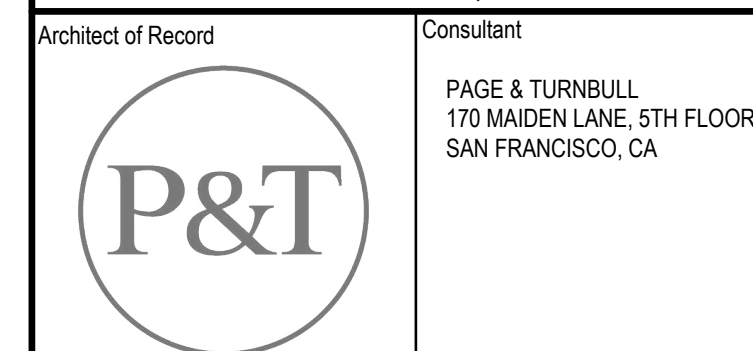
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**WHITECOTTON
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REHABILITATION**

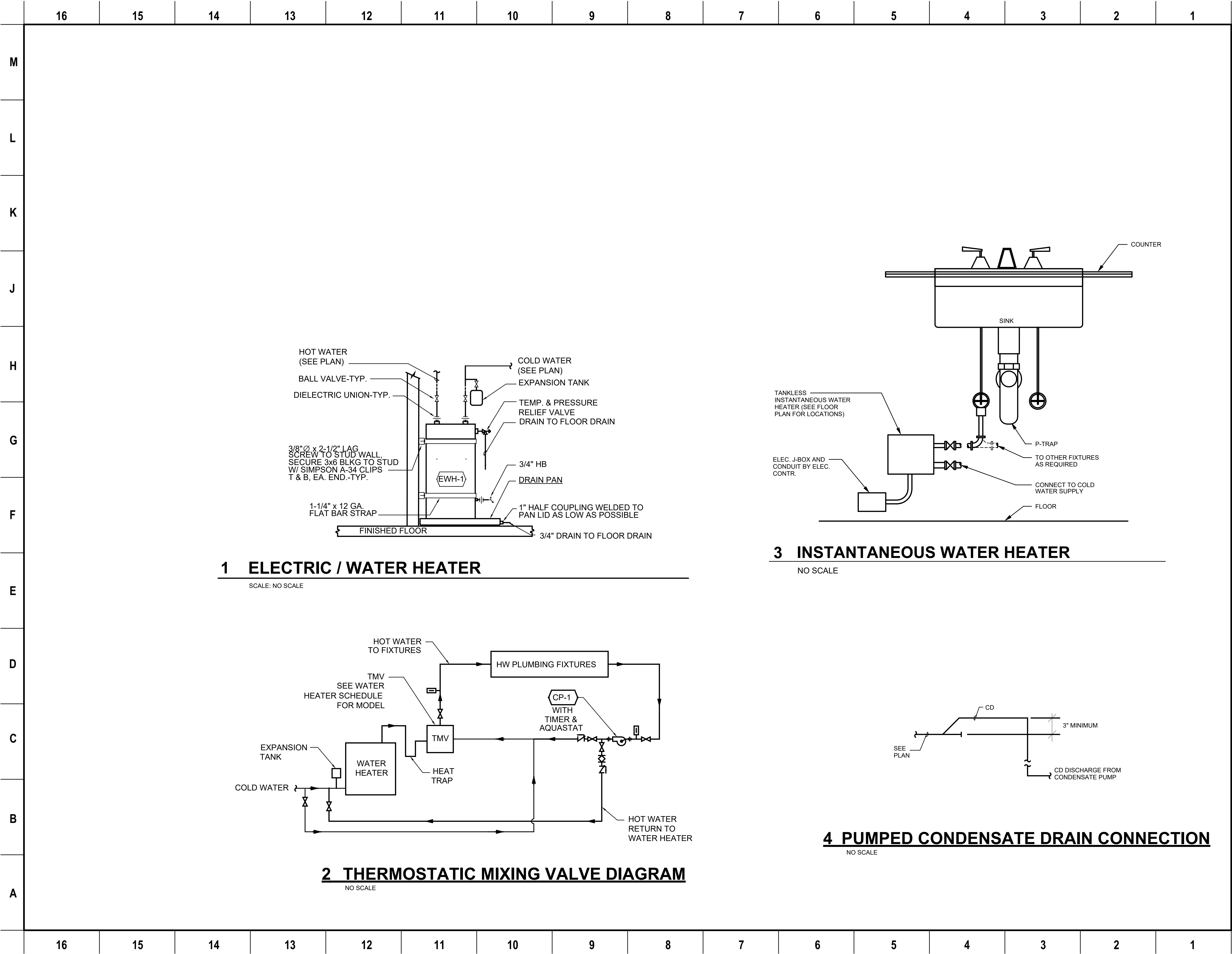
**15400 FOOTHILL BLVD
SAN LEANDRO, CA 94578**



Drawing Title	ROOF PLAN - PLUMBING
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Drawing No. **P3.03**

SKA Project Number: 25001



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Consultant

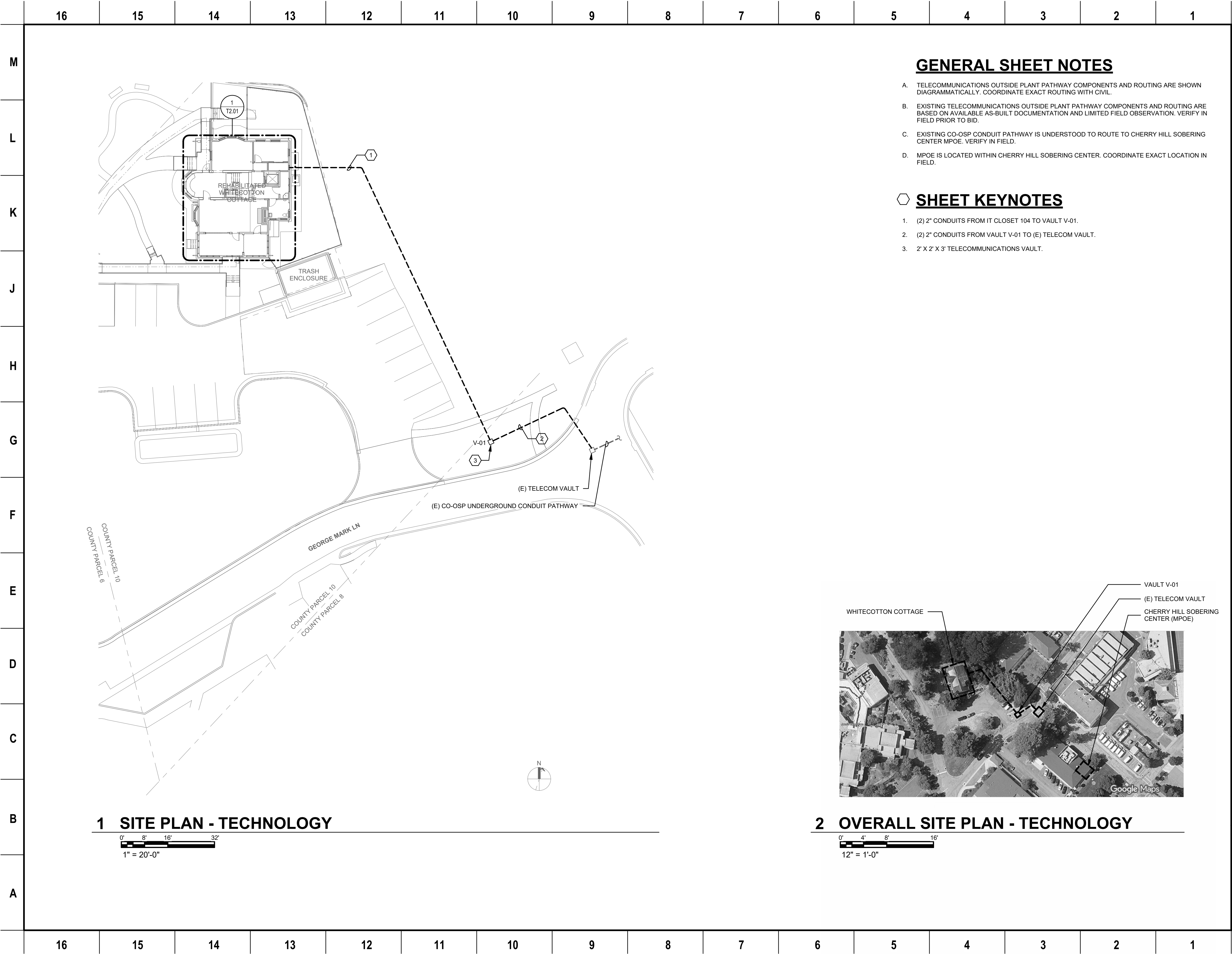
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170 MAIDEN LANE, 5TH FLOOR
SAN FRANCISCO, CA

Drawing Title
DETAILS - PLUMBING

Drawing No.

P6.01

SKA Project Number: 25001



GENERAL SHEET NOTES

- A. TELECOMMUNICATIONS OUTSIDE PLANT PATHWAY COMPONENTS AND ROUTING ARE SHOWN DIAGRAMMATICALLY. COORDINATE EXACT ROUTING WITH CIVIL.
- B. EXISTING TELECOMMUNICATIONS OUTSIDE PLANT PATHWAY COMPONENTS AND ROUTING ARE BASED ON AVAILABLE AS-BUILT DOCUMENTATION AND LIMITED FIELD OBSERVATION. VERIFY IN FIELD PRIOR TO BID.
- C. EXISTING CO-OSP CONDUIT PATHWAY IS UNDERSTOOD TO ROUTE TO CHERRY HILL SOBERING CENTER MPOE. VERIFY IN FIELD.
- D. MPOE IS LOCATED WITHIN CHERRY HILL SOBERING CENTER. COORDINATE EXACT LOCATION IN FIELD.

SHEET KEYNOTES

- 1. (2) 2" CONDUITS FROM IT CLOSET 104 TO VAULT V-01.
- 2. (2) 2" CONDUITS FROM VAULT V-01 TO (E) TELECOM VAULT.
- 3. 2' X 2' X 3' TELECOMMUNICATIONS VAULT.

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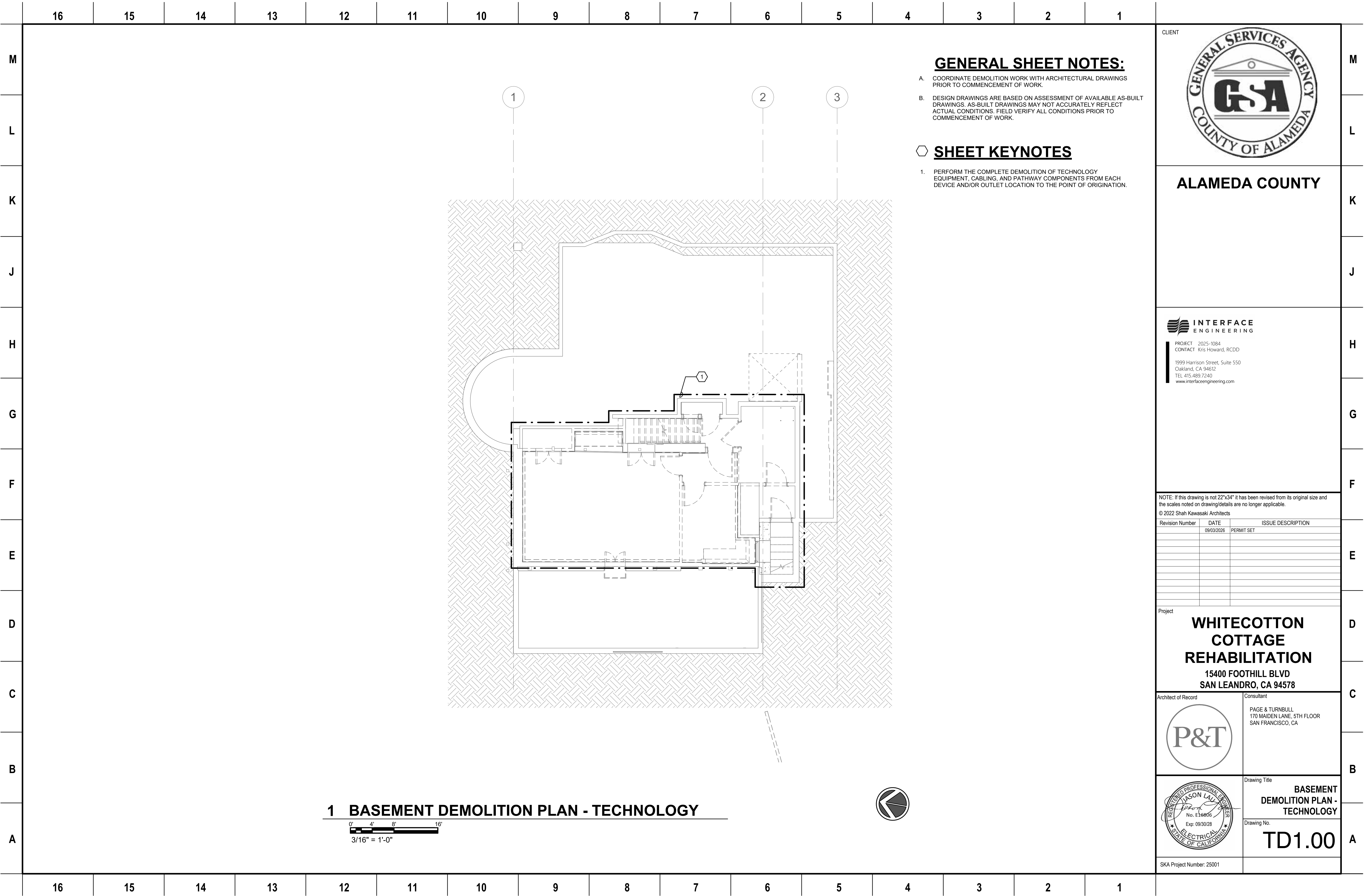
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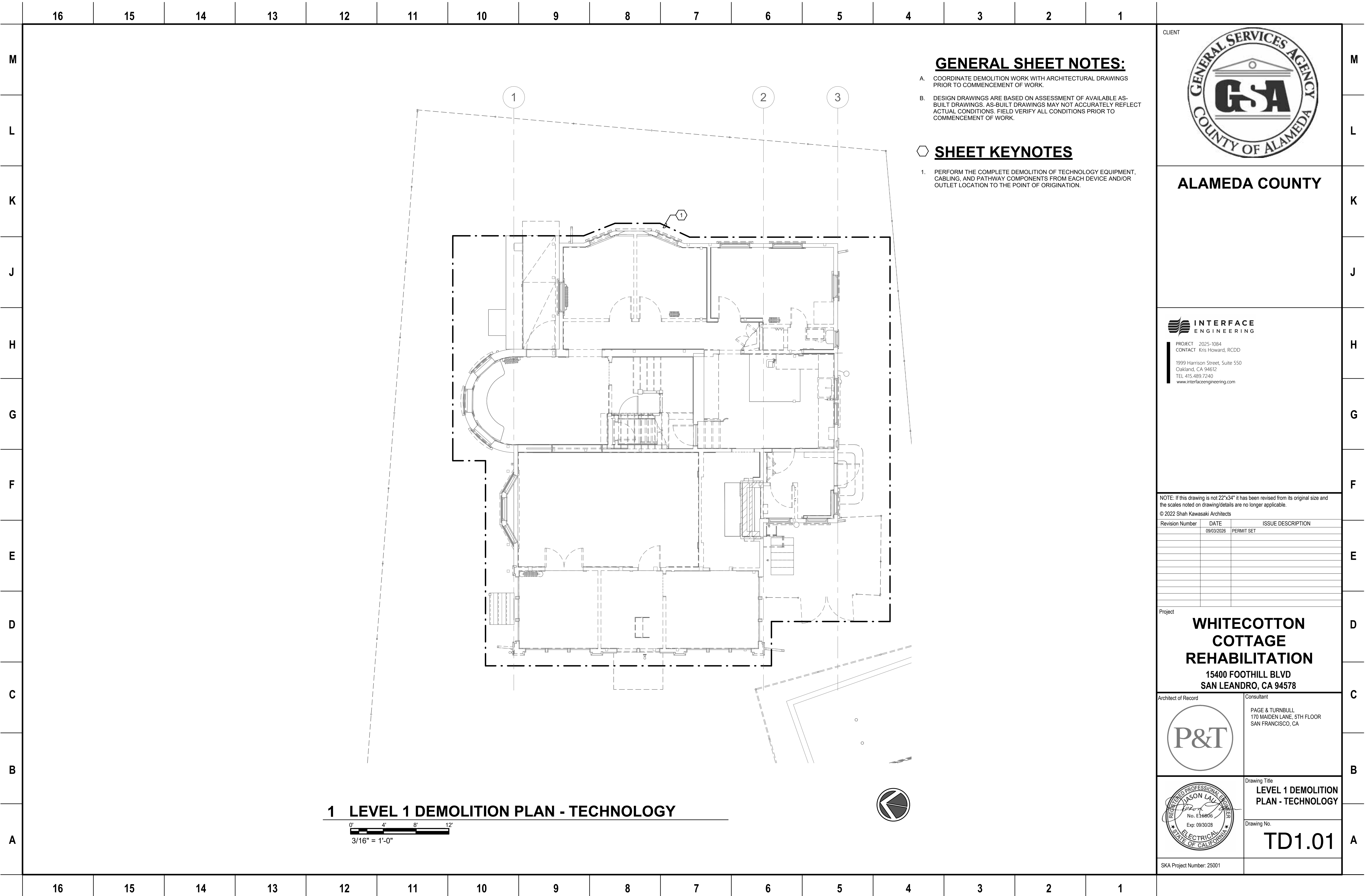
Project
WHITECOTTON COTTAGE REHABILITATION
15400 FOOTHILL BLVD
SAN LEANDRO, CA 94578

Architect of Record
P&T
Consultant
PAGE & TURNBULL
170 MAIDEN LANE, 5TH FLOOR
SAN FRANCISCO, CA

Drawing Title
SITE PLAN - TECHNOLOGY
Drawing No.
T1.01

SKA Project Number: 25001





GENERAL SHEET NOTES:

- A. COORDINATE DEMOLITION WORK WITH ARCHITECTURAL DRAWINGS PRIOR TO COMMENCEMENT OF WORK.
- B. DESIGN DRAWINGS ARE BASED ON ASSESSMENT OF AVAILABLE AS-BUILT DRAWINGS. AS-BUILT DRAWINGS MAY NOT ACCURATELY REFLECT ACTUAL CONDITIONS. FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.

SHEET KEYNOTES

- 1. PERFORM THE COMPLETE DEMOLITION OF TECHNOLOGY EQUIPMENT, CABLING, AND PATHWAY COMPONENTS FROM EACH DEVICE AND/OR OUTLET LOCATION TO THE POINT OF ORIGIN.

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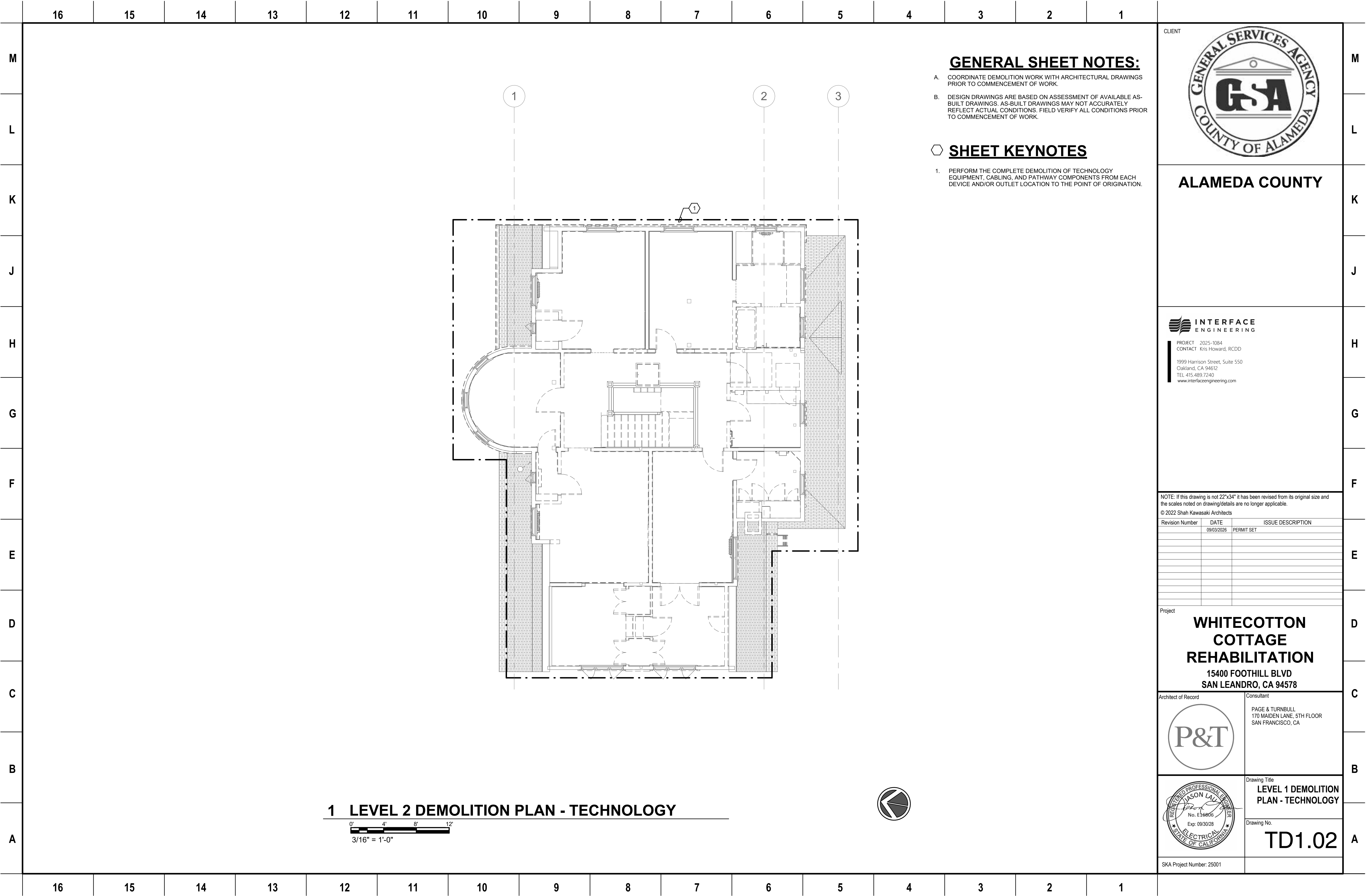
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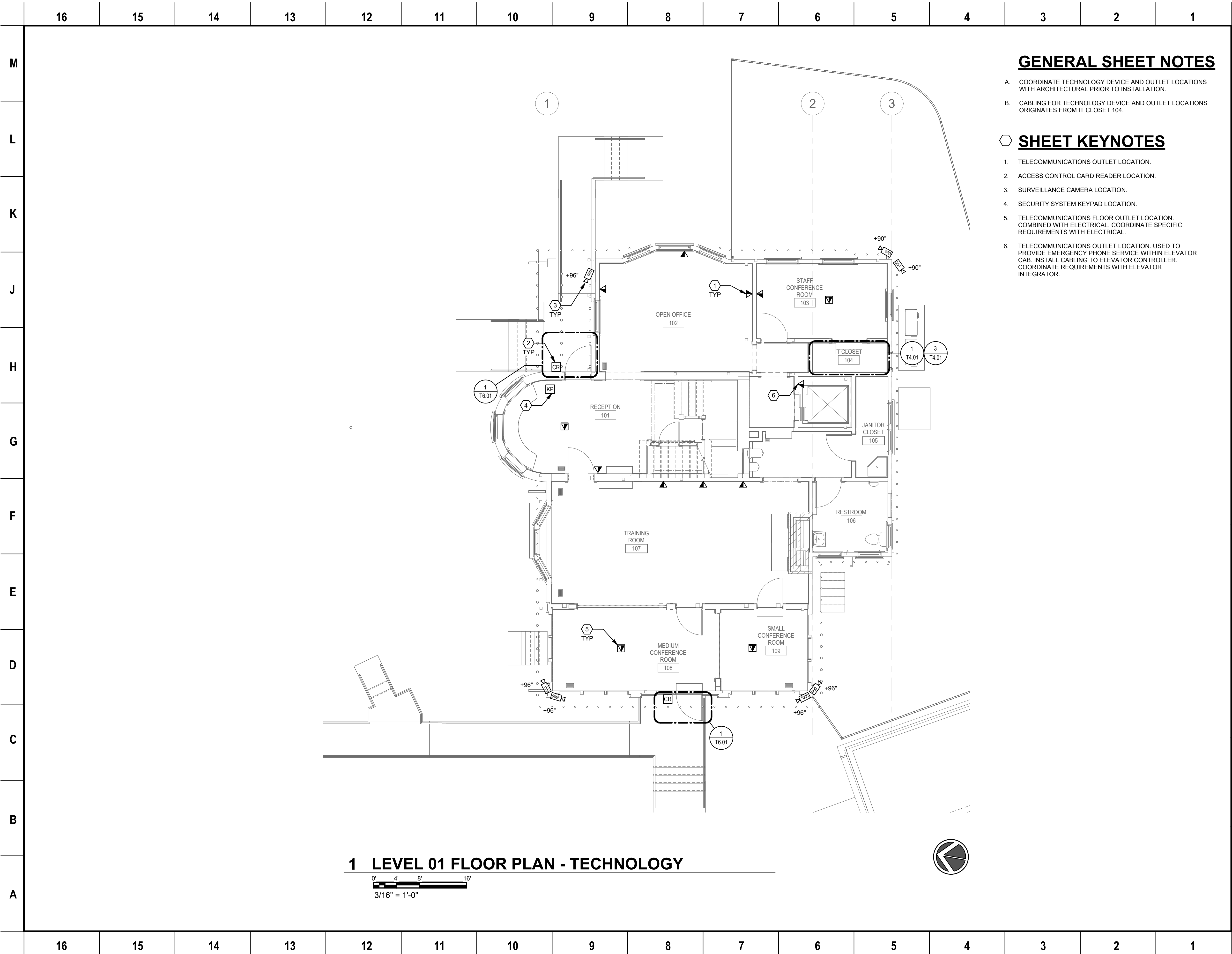
Project
WHITECOTTON COTTAGE REHABILITATION
15400 FOOTHILL BLVD
SAN LEANDRO, CA 94578

Architect of Record 	Consultant PAGE & TURNBULL 170 MAIDEN LANE, 5TH FLOOR SAN FRANCISCO, CA
-------------------------	--

	Drawing Title LEVEL 1 DEMOLITION PLAN - TECHNOLOGY Drawing No. TD1.01
--	--

SKA Project Number: 25001





GENERAL SHEET NOTES

- A. COORDINATE TECHNOLOGY DEVICE AND OUTLET LOCATIONS WITH ARCHITECTURAL PRIOR TO INSTALLATION.
- B. CABLING FOR TECHNOLOGY DEVICE AND OUTLET LOCATIONS ORIGINATES FROM IT CLOSET 104.

SHEET KEYNOTES

- 1. TELECOMMUNICATIONS OUTLET LOCATION.
- 2. ACCESS CONTROL CARD READER LOCATION.
- 3. SURVEILLANCE CAMERA LOCATION.
- 4. SECURITY SYSTEM KEYPAD LOCATION.
- 5. TELECOMMUNICATIONS FLOOR OUTLET LOCATION. COMBINED WITH ELECTRICAL. COORDINATE SPECIFIC REQUIREMENTS WITH ELECTRICAL.
- 6. TELECOMMUNICATIONS OUTLET LOCATION. USED TO PROVIDE EMERGENCY PHONE SERVICE WITHIN ELEVATOR CAB. INSTALL CABLING TO ELEVATOR CONTROLLER. COORDINATE REQUIREMENTS WITH ELEVATOR INTEGRATOR.



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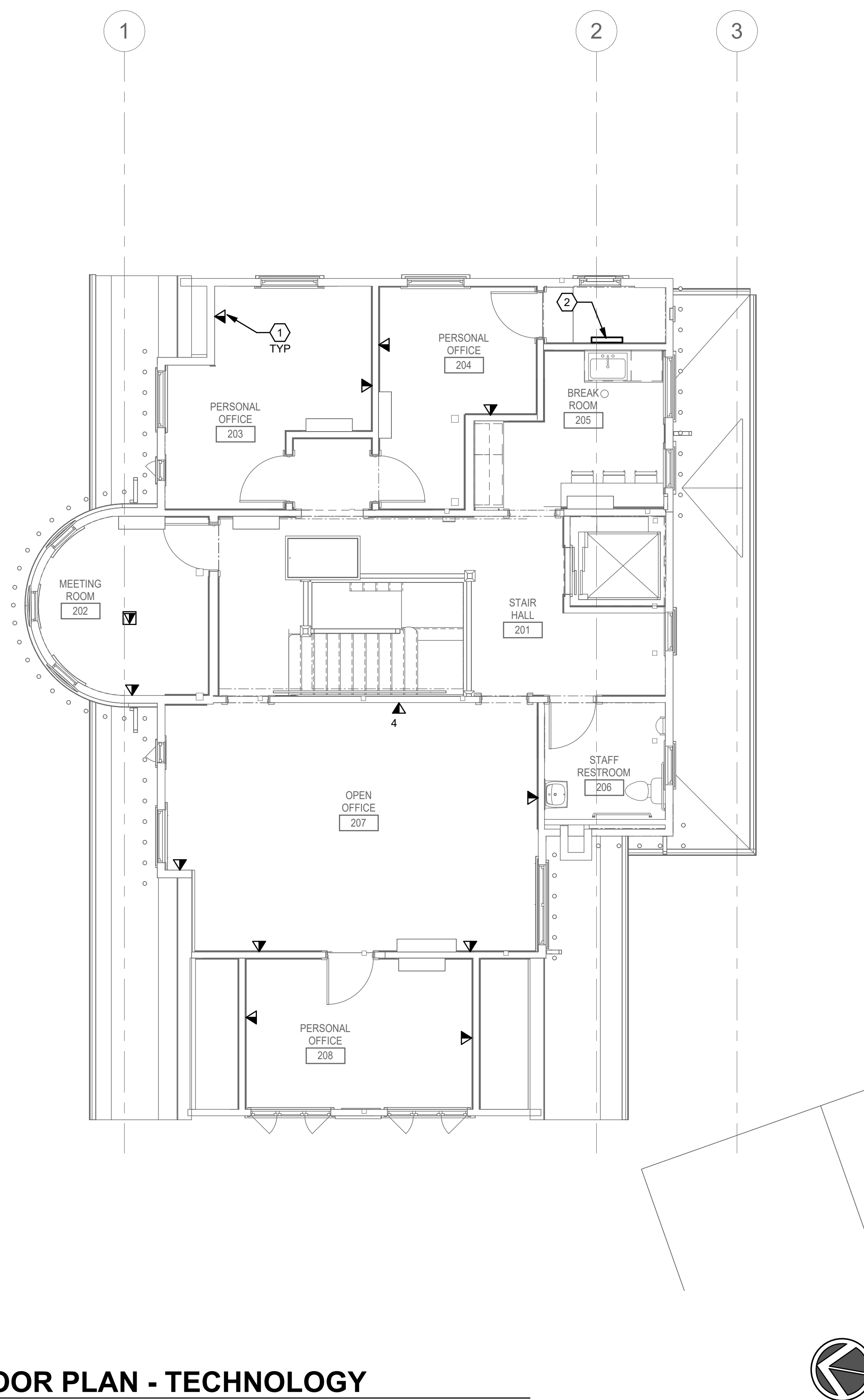
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	Drawing Title LEVEL 01 FLOOR PLAN - TECHNOLOGY Drawing No. T2.01
--	---

SKA Project Number: 25001



GENERAL SHEET NOTES

- A. COORDINATE TECHNOLOGY DEVICE AND OUTLET LOCATIONS WITH ARCHITECTURAL PRIOR TO INSTALLATION.
- B. CABLING FOR TECHNOLOGY DEVICE AND OUTLET LOCATIONS ORIGINATES FROM IT CLOSET 104.
- C. PB-01 IS USED TO ROUTE TECHNOLOGY CABLING FROM LEVEL 02 TO IT CLOSET 104.

SHEET KEYNOTES

1. TELECOMMUNICATIONS OUTLET LOCATION
2. MIN. 36"H x 24"W X 4"D PULL BOX. (PB-01).

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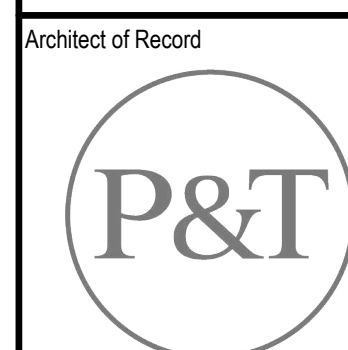
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Project

WHITECOTTON COTTAGE REHABILITATION

15400 FOOTHILL BLVD
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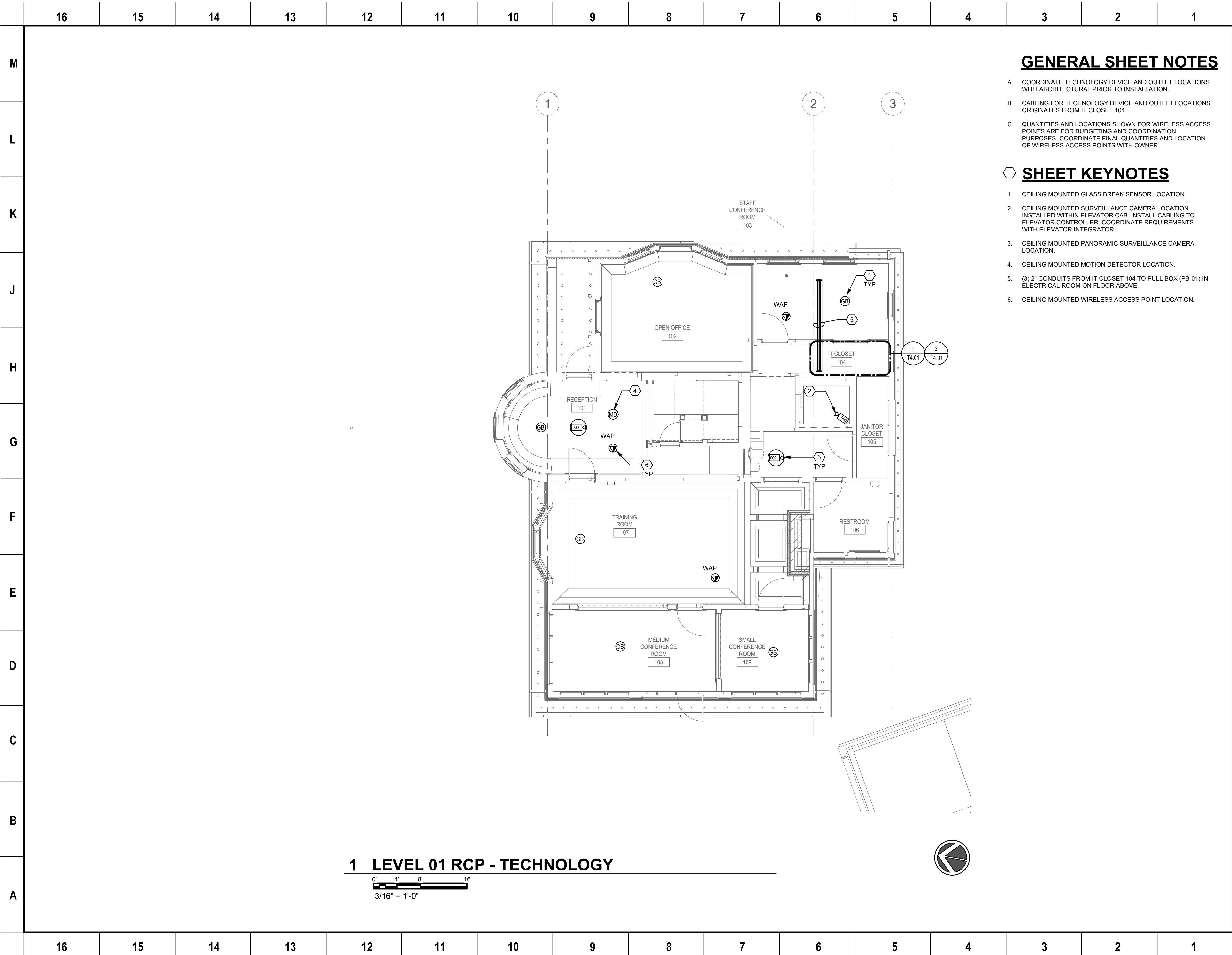
Consultant	PAGE & TURNBULL 170 MAIDEN LANE, 5TH FLOOR SAN FRANCISCO, CA
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Drawing Title	LEVEL 02 FLOOR PLAN - TECHNOLOGY
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Drawing No. **T2.02**

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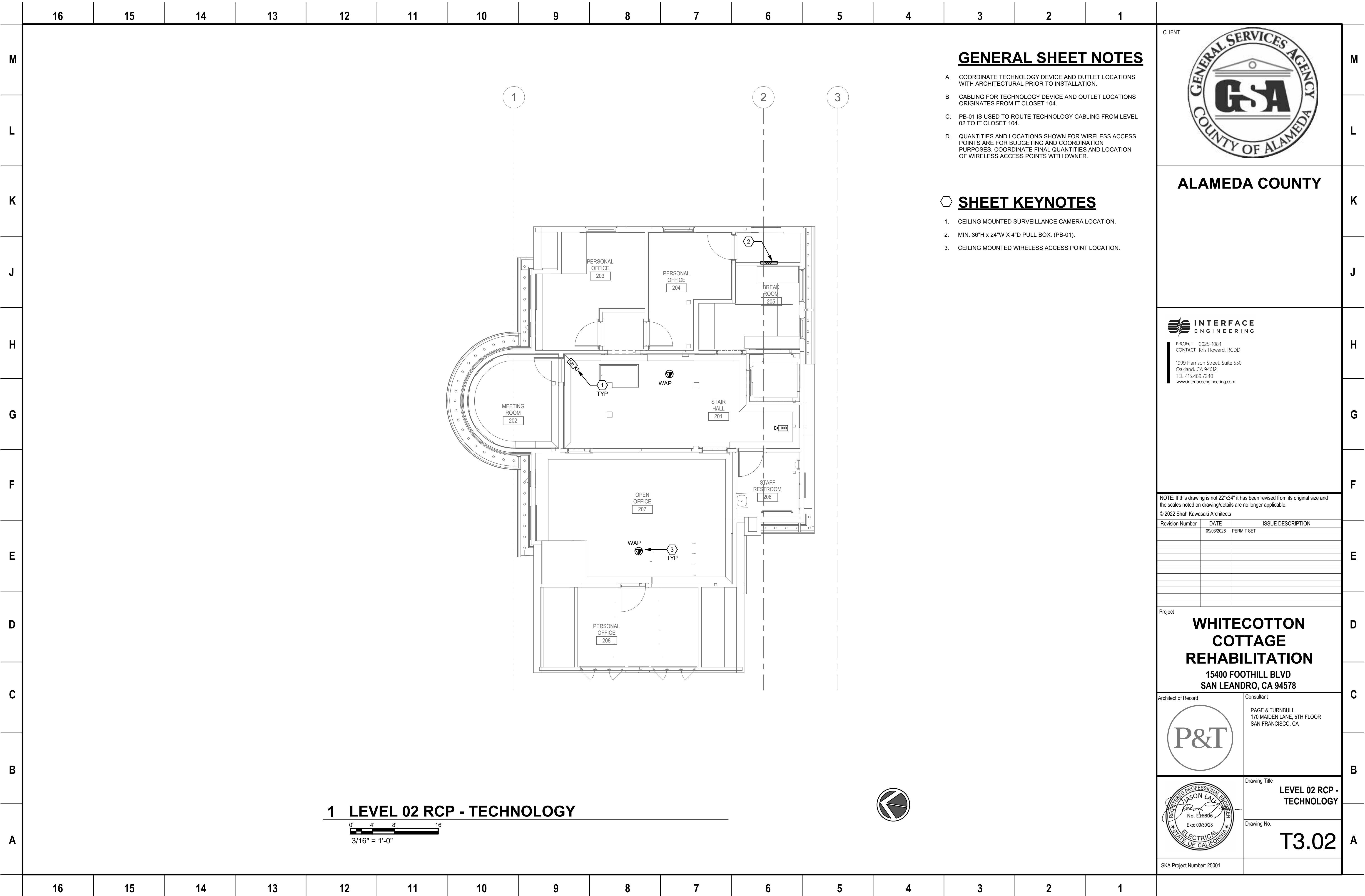
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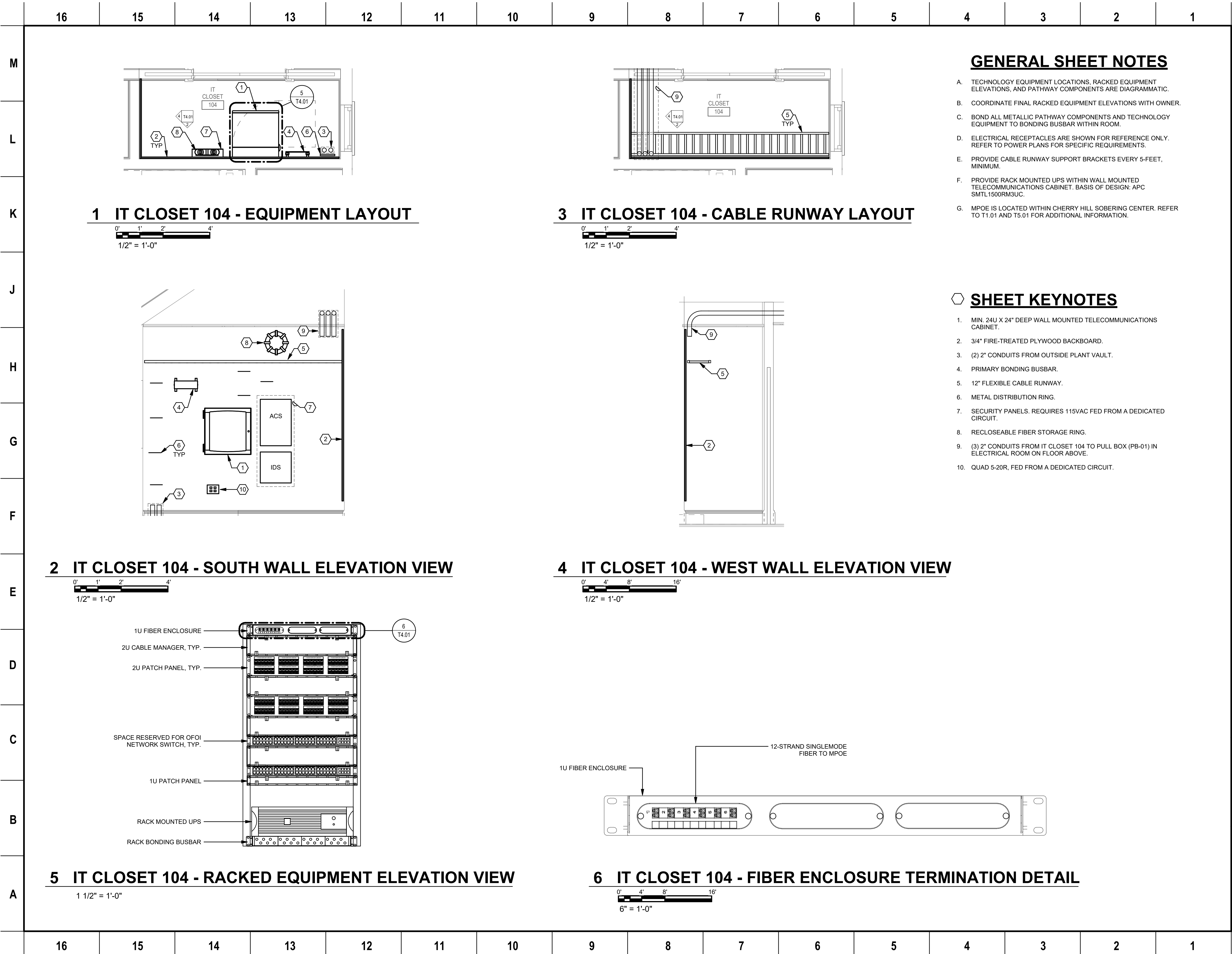
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Project

**WHITECOTTON
COTTAGE
REHABILITATION**
15400 FOOTHILL BLVD
SAN LEANDRO, CA 94578

Architect of Record 	Consultant PAGE & TURNBULL 170 MAIDEN LANE, 5TH FLOOR SAN FRANCISCO, CA
 JASON LAU No. E16805 Exp: 09/30/28 ELECTRICAL STATE OF CALIFORNIA	Drawing Title LEVEL 01 RCP - TECHNOLOGY Drawing No. T3.01
SKA Project Number: 25001	





GENERAL SHEET NOTES

- A. TECHNOLOGY EQUIPMENT LOCATIONS, RACKED EQUIPMENT ELEVATIONS, AND PATHWAY COMPONENTS ARE DIAGRAMMATIC.
- B. COORDINATE FINAL RACKED EQUIPMENT ELEVATIONS WITH OWNER.
- C. BOND ALL METALLIC PATHWAY COMPONENTS AND TECHNOLOGY EQUIPMENT TO BONDING BUSBAR WITHIN ROOM.
- D. ELECTRICAL RECEPTACLES ARE SHOWN FOR REFERENCE ONLY. REFER TO POWER PLANS FOR SPECIFIC REQUIREMENTS.
- E. PROVIDE CABLE RUNWAY SUPPORT BRACKETS EVERY 5-FEET, MINIMUM.
- F. PROVIDE RACK MOUNTED UPS WITHIN WALL MOUNTED TELECOMMUNICATIONS CABINET. BASIS OF DESIGN: APC SMTL1500RM3UC.
- G. MPOE IS LOCATED WITHIN CHERRY HILL SOBERING CENTER. REFER TO T1.01 AND T5.01 FOR ADDITIONAL INFORMATION.

SHEET KEYNOTES

1. MIN. 24U X 24" DEEP WALL MOUNTED TELECOMMUNICATIONS CABINET.
2. 3/4" FIRE-TREATED PLYWOOD BACKBOARD.
3. (2) 2" CONDUITS FROM OUTSIDE PLANT VAULT.
4. PRIMARY BONDING BUSBAR.
5. 12" FLEXIBLE CABLE RUNWAY.
6. METAL DISTRIBUTION RING.
7. SECURITY PANELS. REQUIRES 115VAC FED FROM A DEDICATED CIRCUIT.
8. RECLOSEABLE FIBER STORAGE RING.
9. (3) 2" CONDUITS FROM IT CLOSET 104 TO PULL BOX (PB-01) IN ELECTRICAL ROOM ON FLOOR ABOVE.
10. QUAD 5-20R, FED FROM A DEDICATED CIRCUIT.

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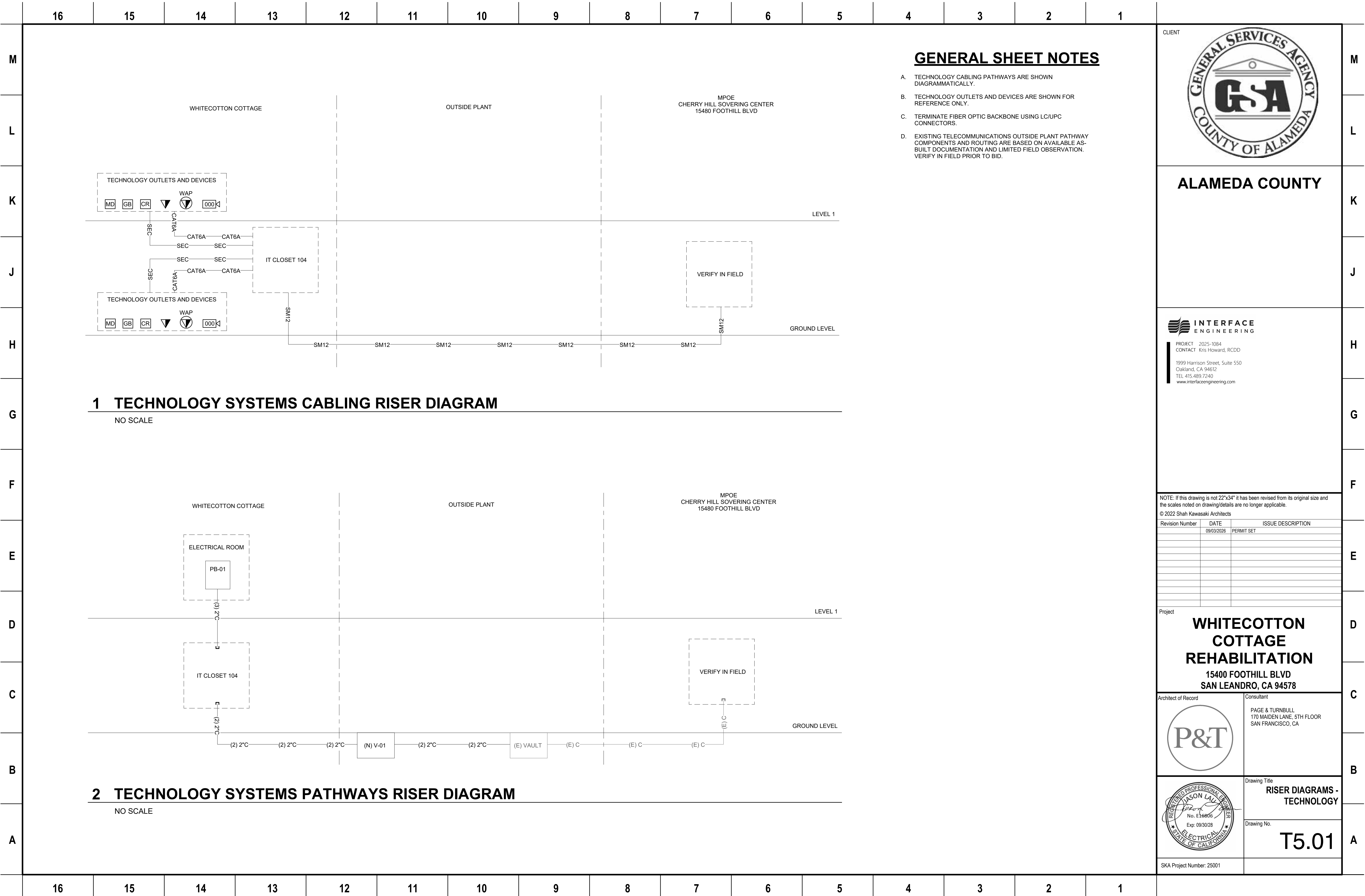


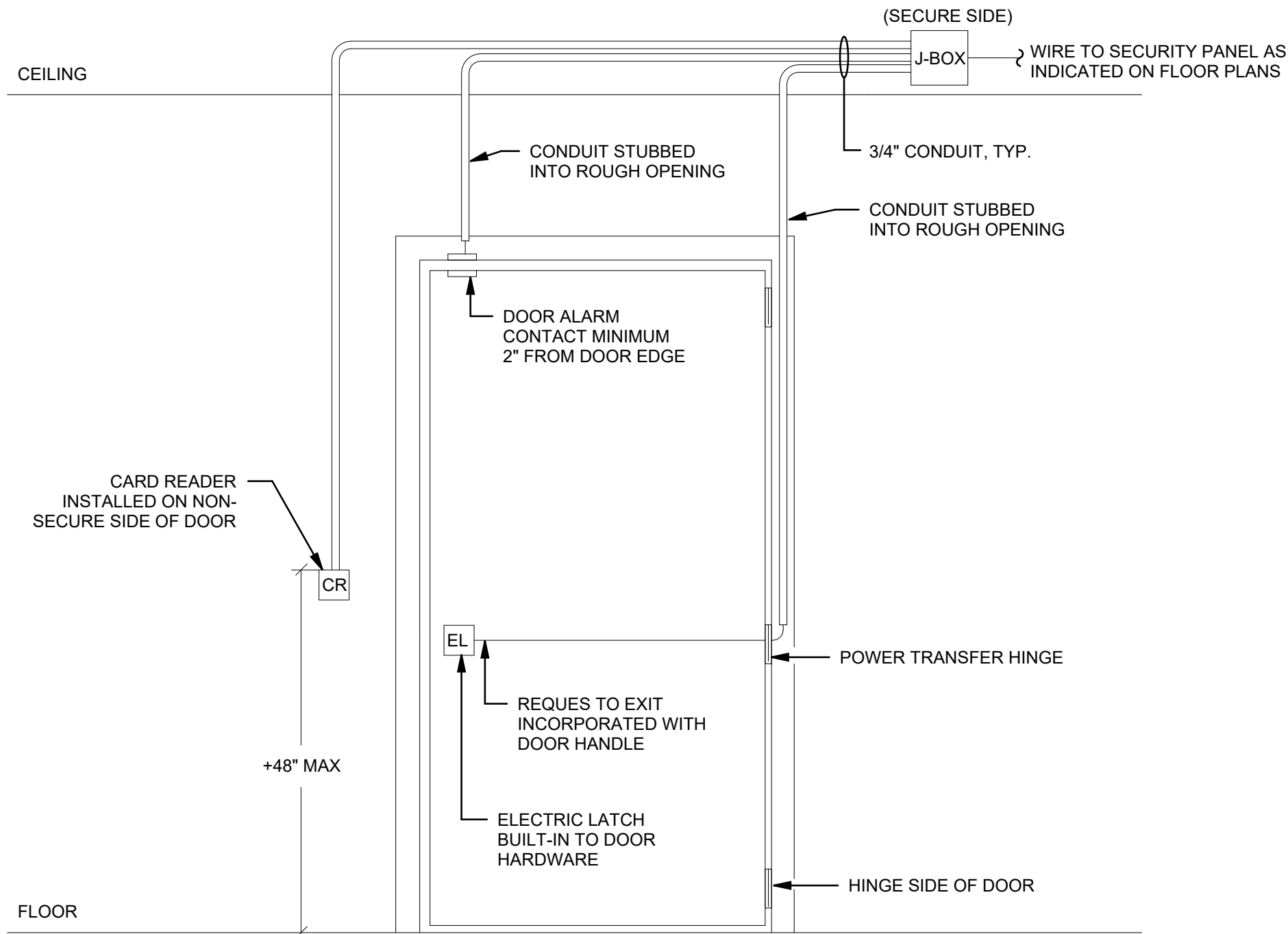
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ENLARGED PLANS AND SECTIONS - TECHNOLOGY

Drawing No.

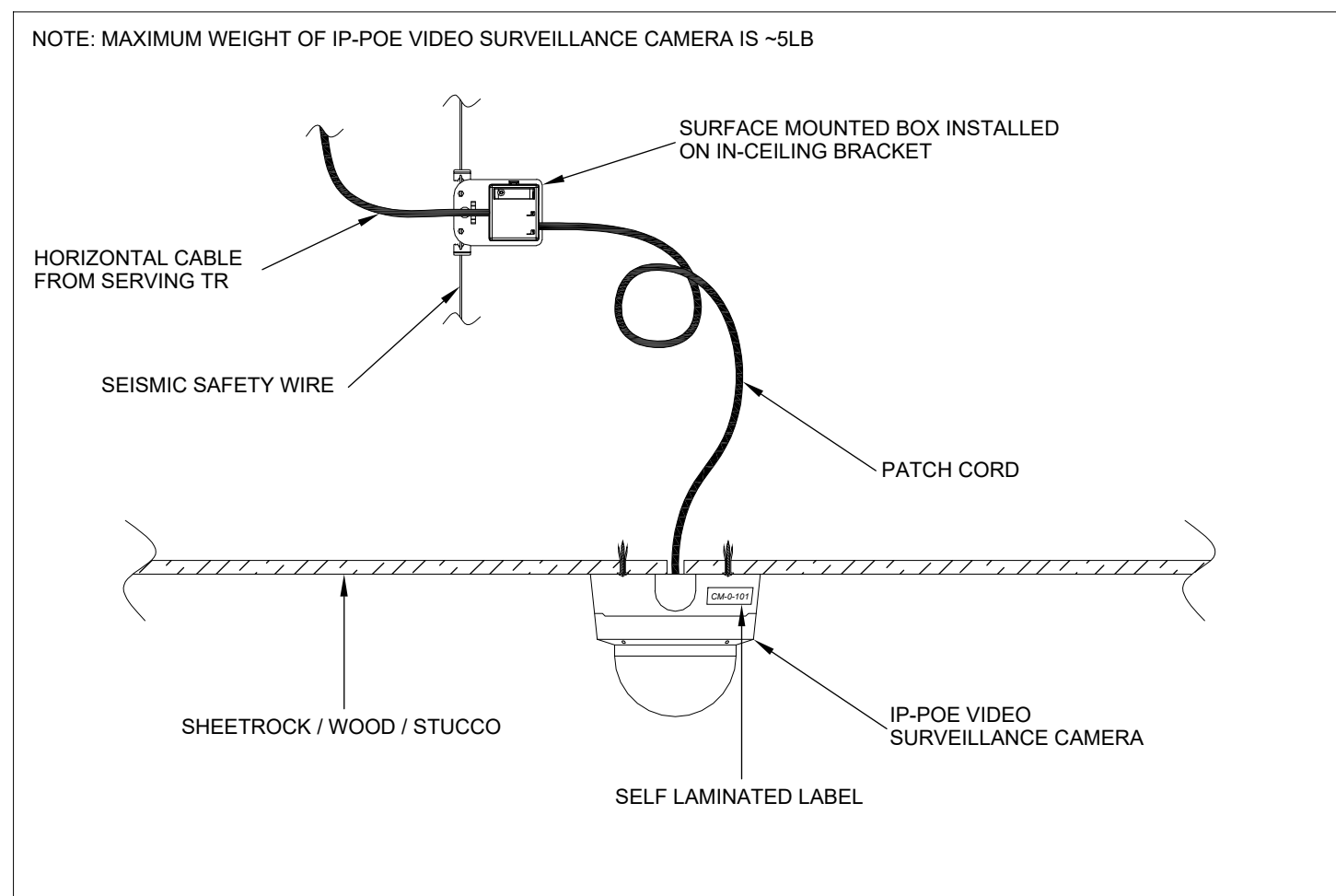
T4.01

SKA Project Number: 25001





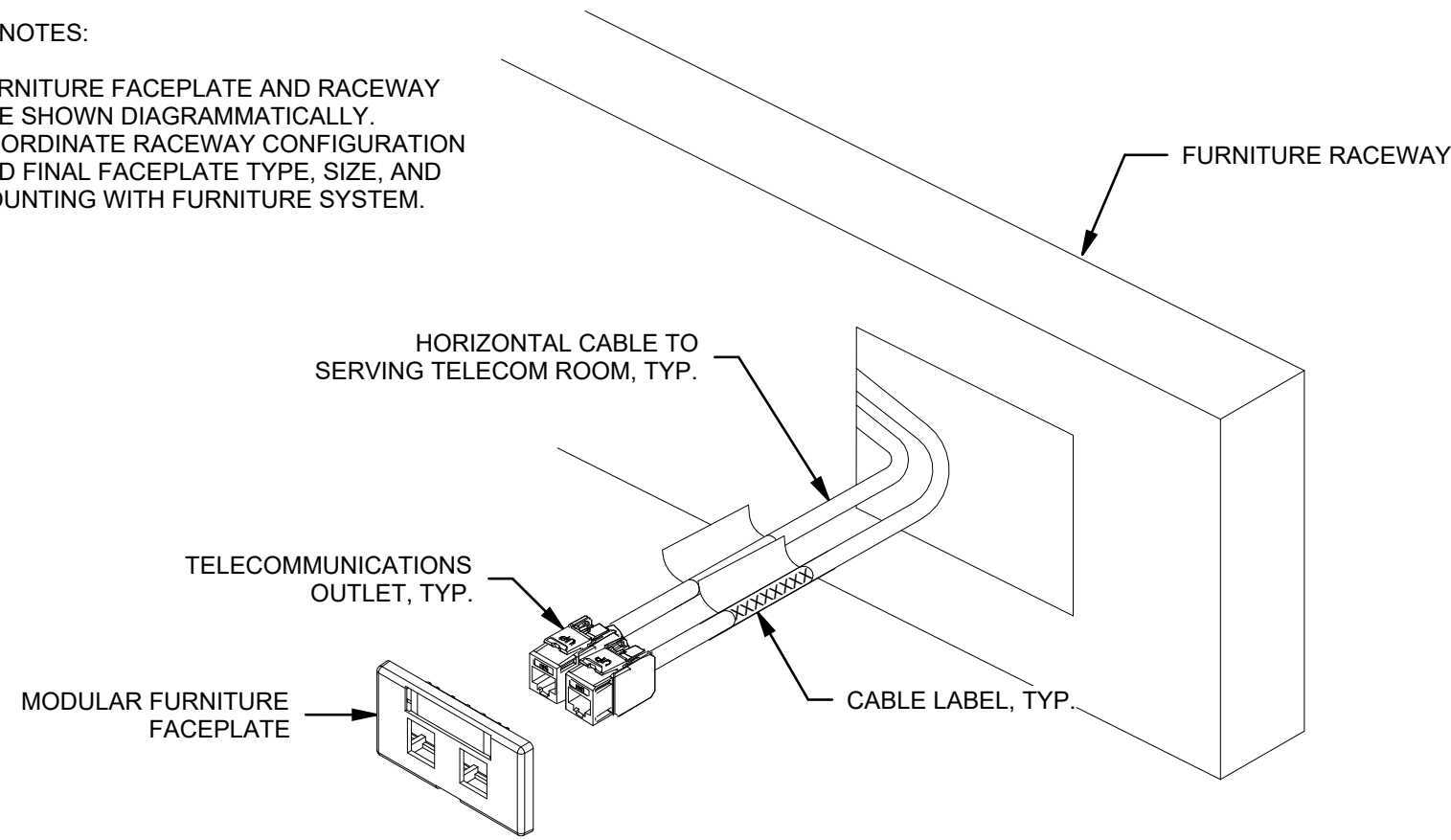
1 SINGLE DOOR CARD READER DETAIL
NO SCALE



2 CEILING MOUNTED SECURITY CAMERA DETAIL
NO SCALE

DETAIL NOTES:

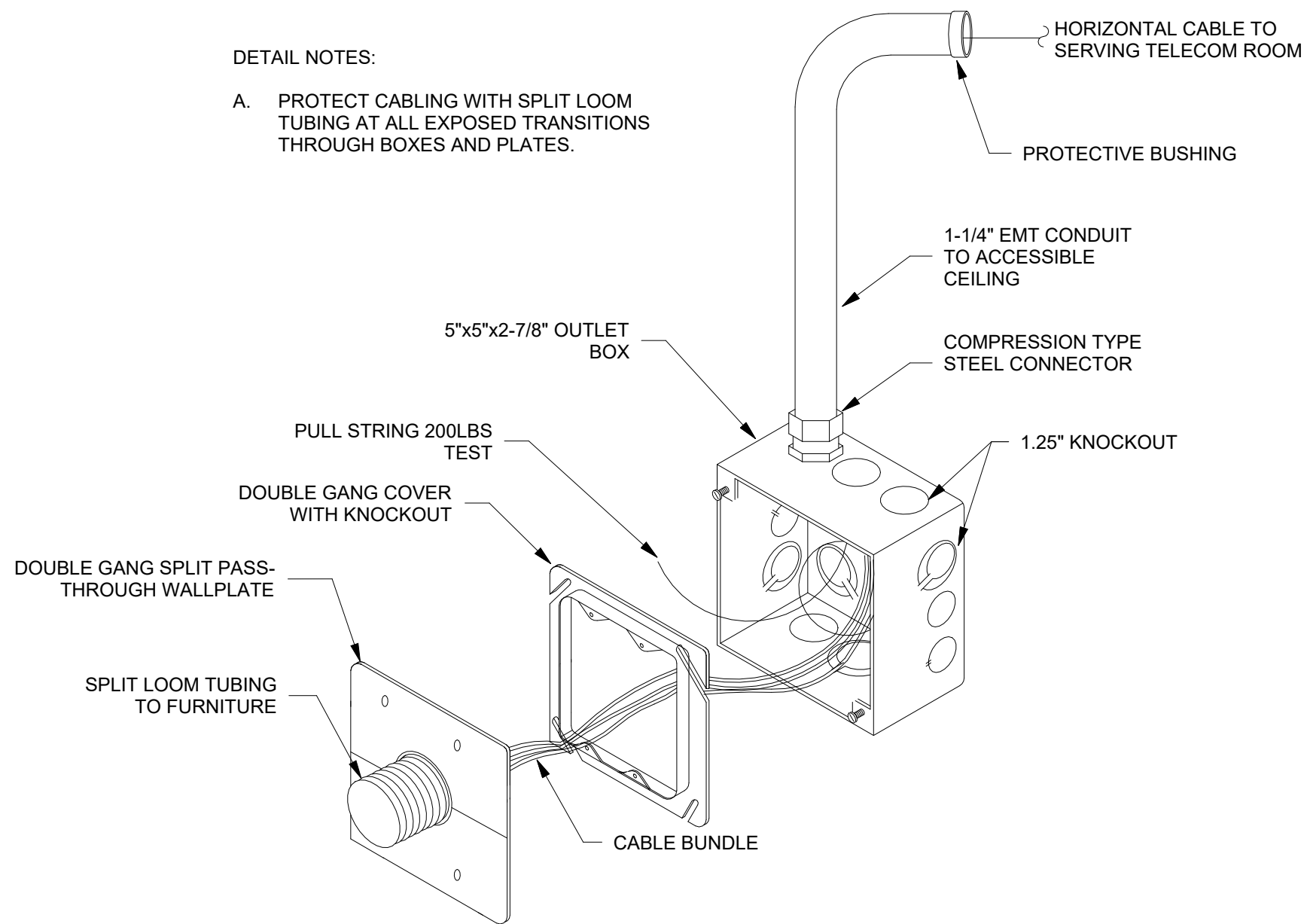
- A. FURNITURE FACEPLATE AND RACEWAY ARE SHOWN DIAGRAMMATICALLY. COORDINATE RACEWAY CONFIGURATION AND FINAL FACEPLATE TYPE, SIZE, AND MOUNTING WITH FURNITURE SYSTEM.



3 TWO-PORT MODULAR FURNITURE OUTLET DETAIL
NO SCALE

DETAIL NOTES:

- A. PROTECT CABLING WITH SPLIT LOOM TUBING AT ALL EXPOSED TRANSITIONS THROUGH BOXES AND PLATES.



4 DATA OUTLET FURNITURE FEED DETAIL
NO SCALE

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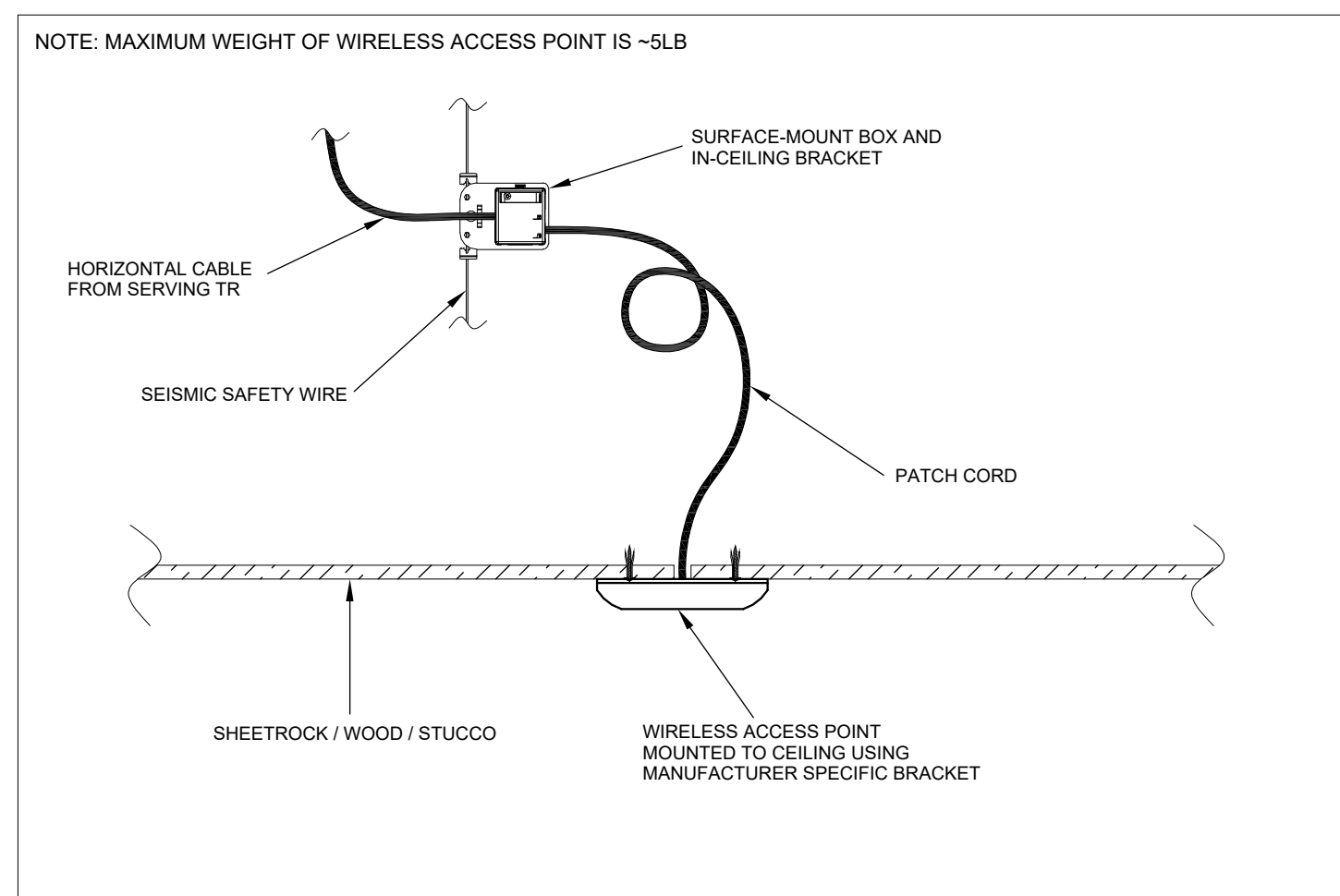


Drawing Title
DETAILS - TECHNOLOGY

Drawing No.

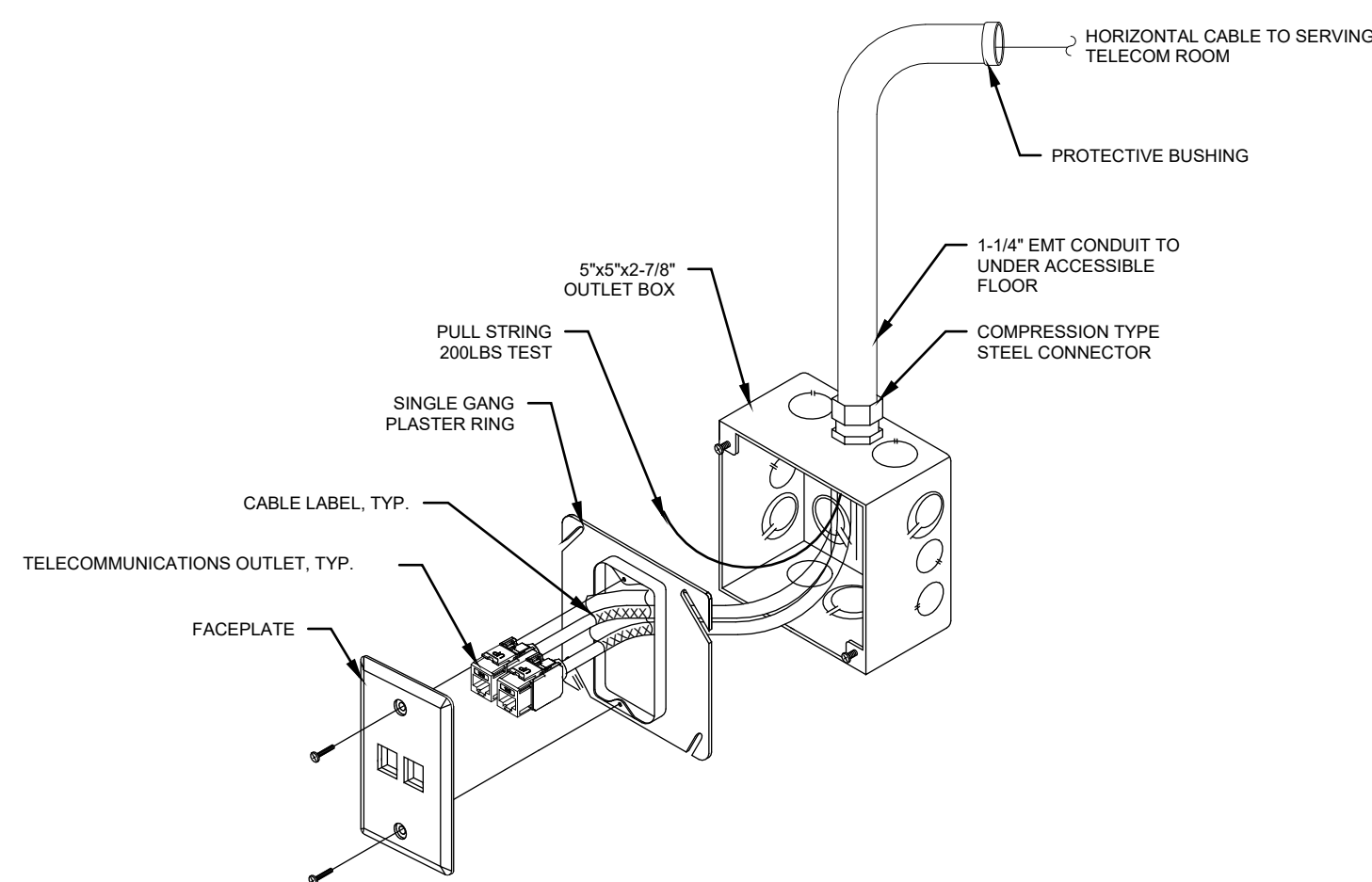
T6.01

SKA Project Number: 25001



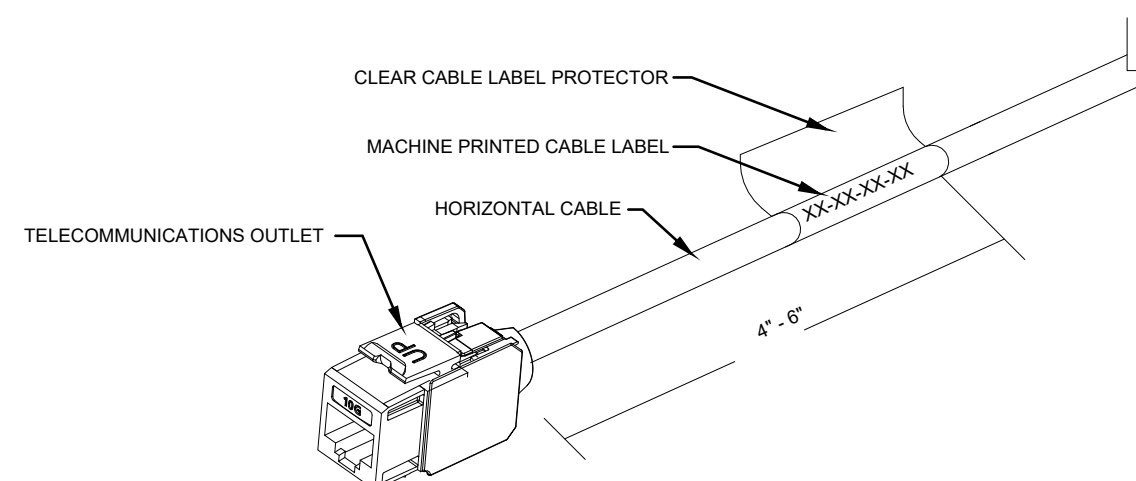
1 CEILING MOUNTED WIRELESS ACCESS POINT DETAIL

NO SCALE



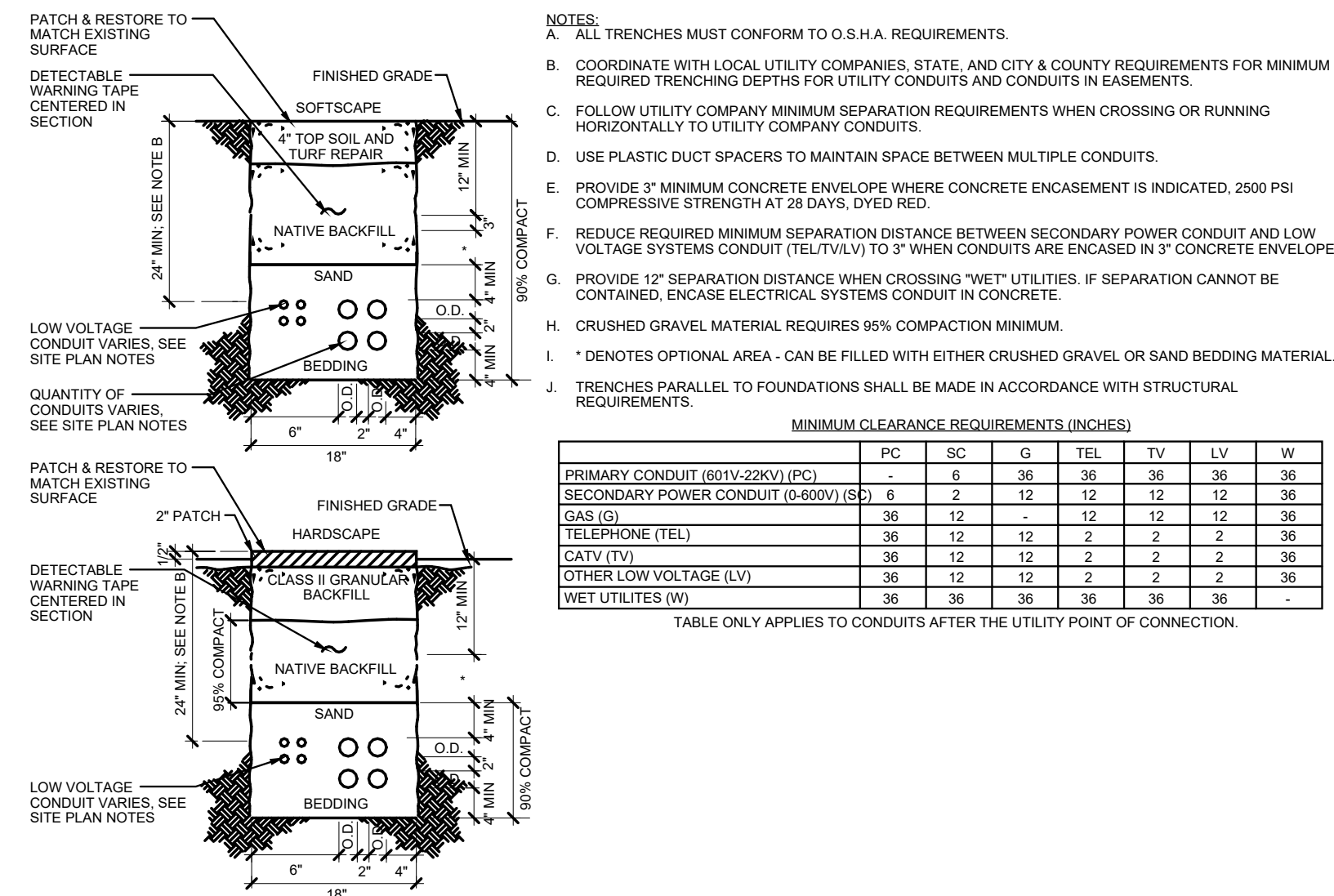
2 TWO PORT DATA OUTLET DETAIL

NO SCALE



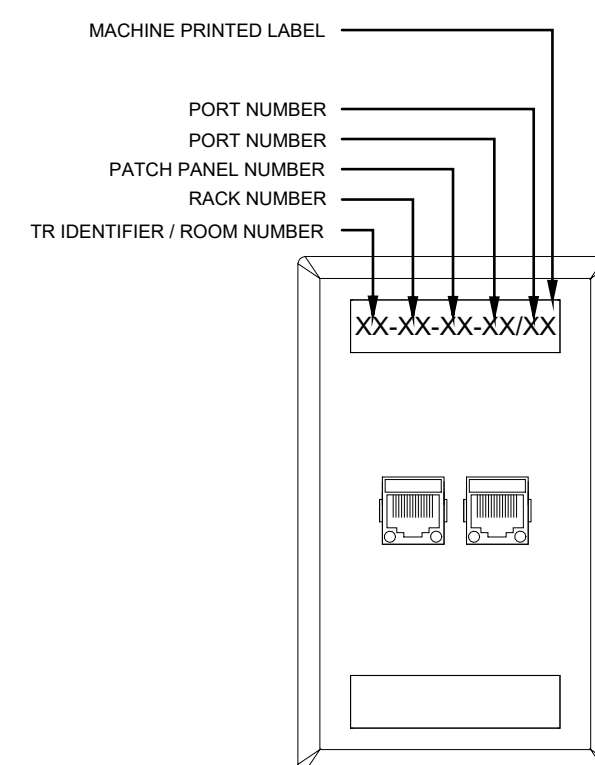
3 STATION CABLE LABELING DETAIL

NO SCALE



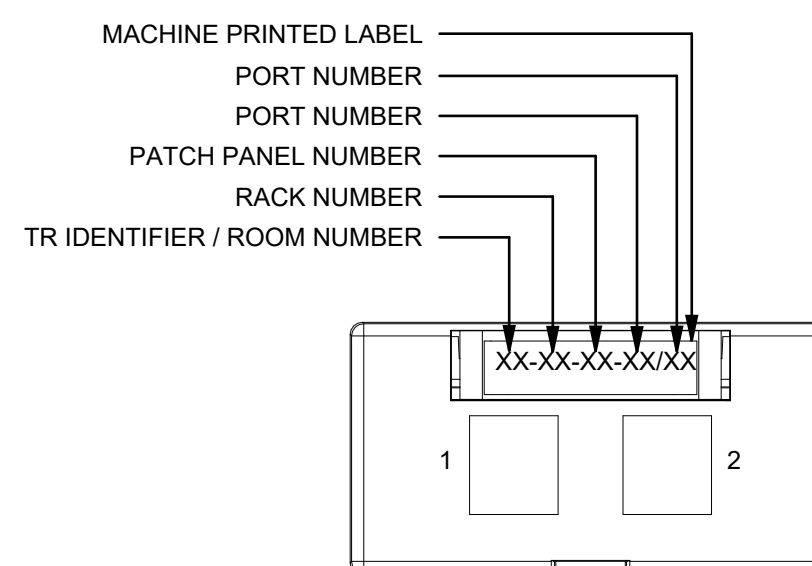
4 DUCTBANK DETAIL

NO SCALE



5 TWO PORT FACEPLATE DETAIL

NO SCALE



6 TWO-PORT MODULAR FURNITURE FACEPLATE DETAIL

NO SCALE



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Architect of Record



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Drawing Title	DETAILS - TECHNOLOGY
---------------	---------------------------------

Drawing No.

T6.02

SKA Project Number: 25001

