

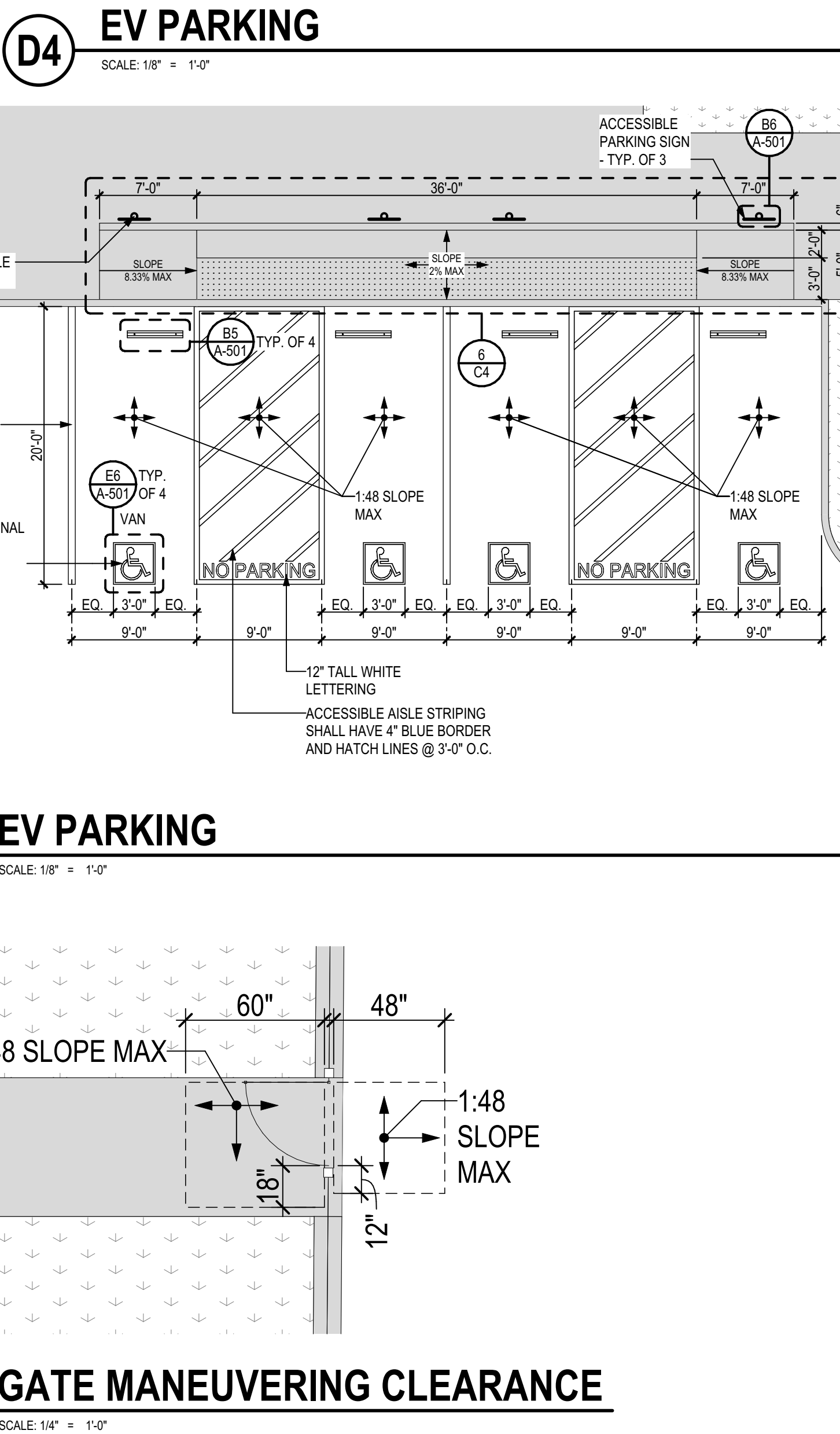
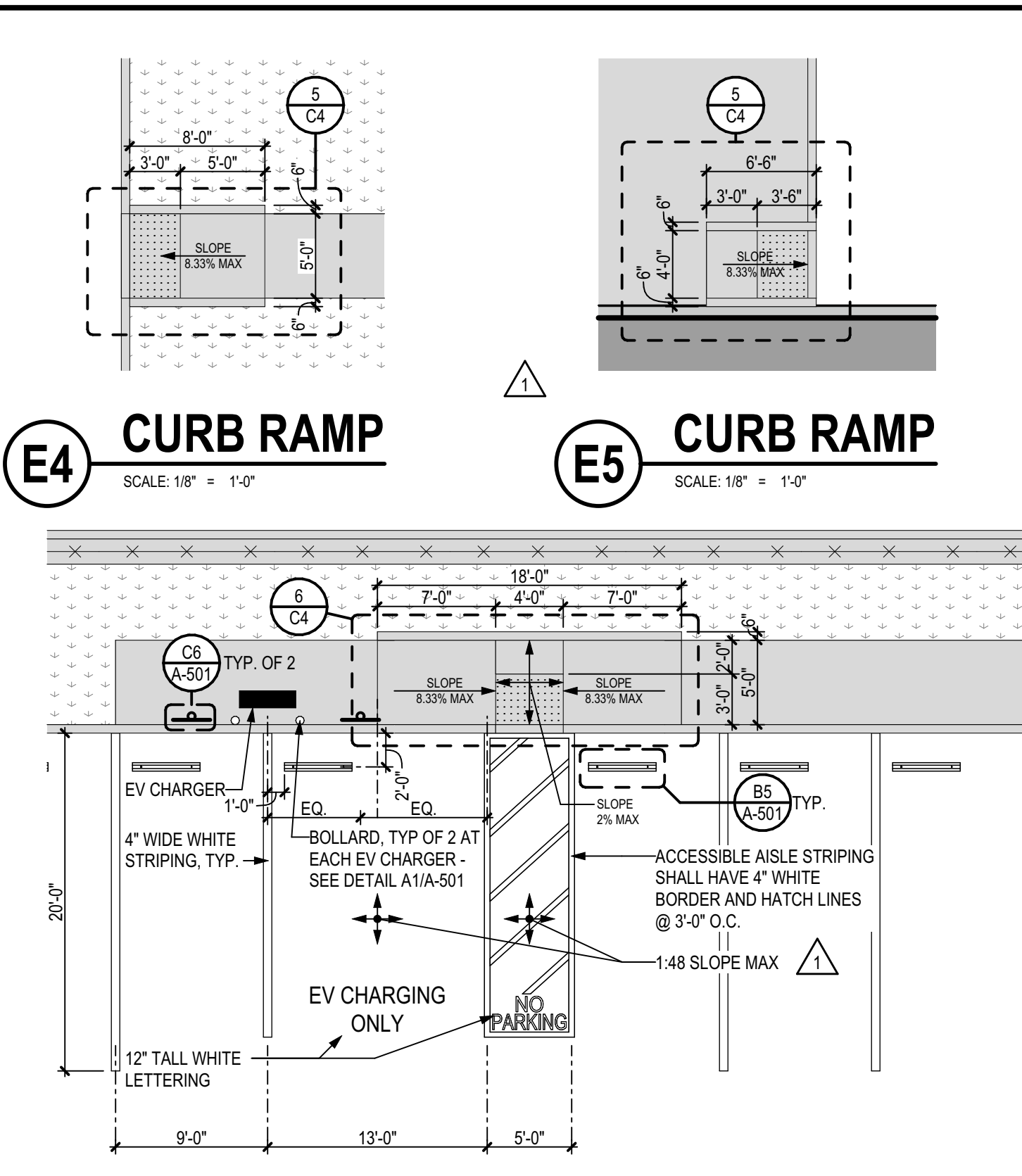
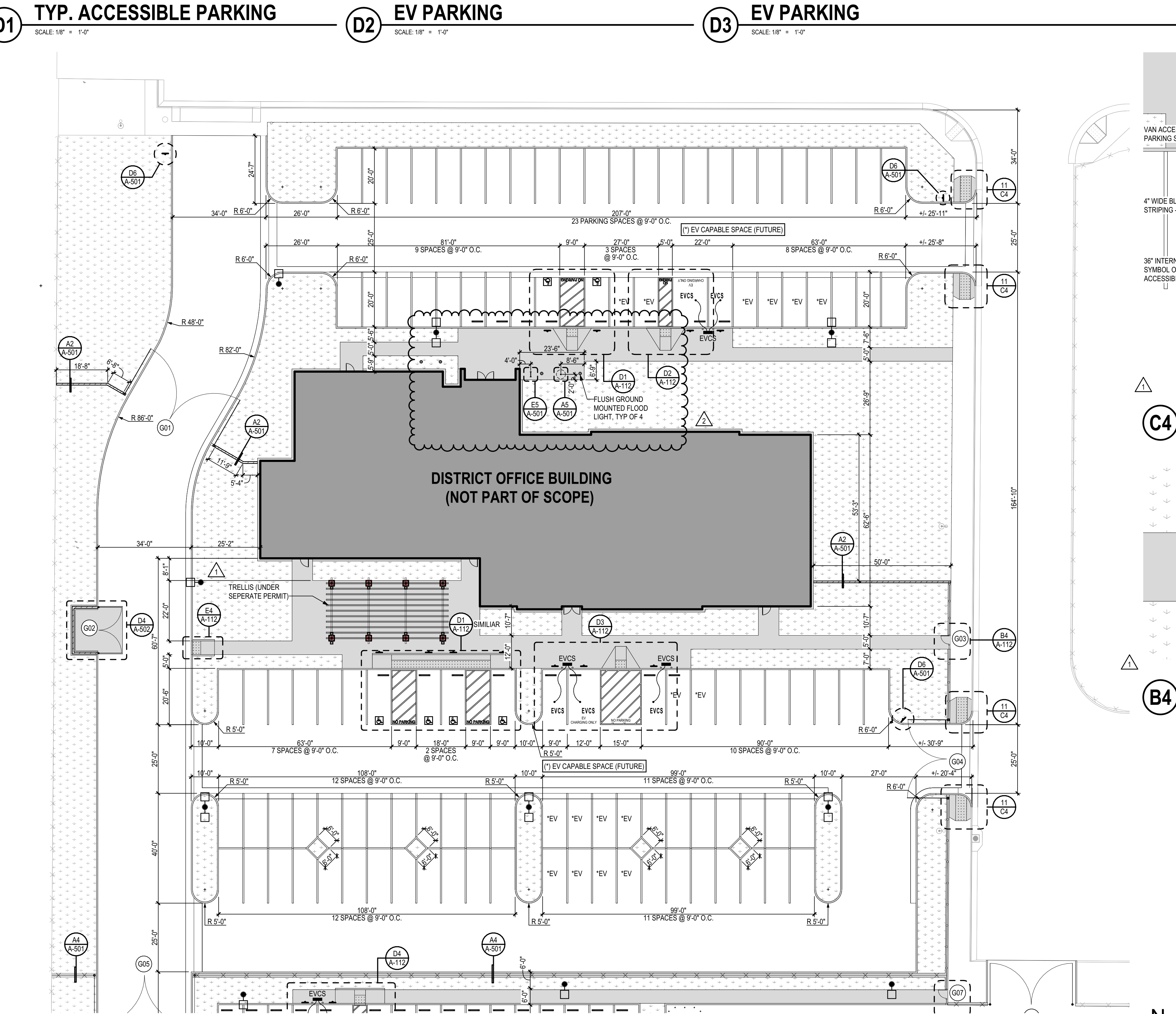
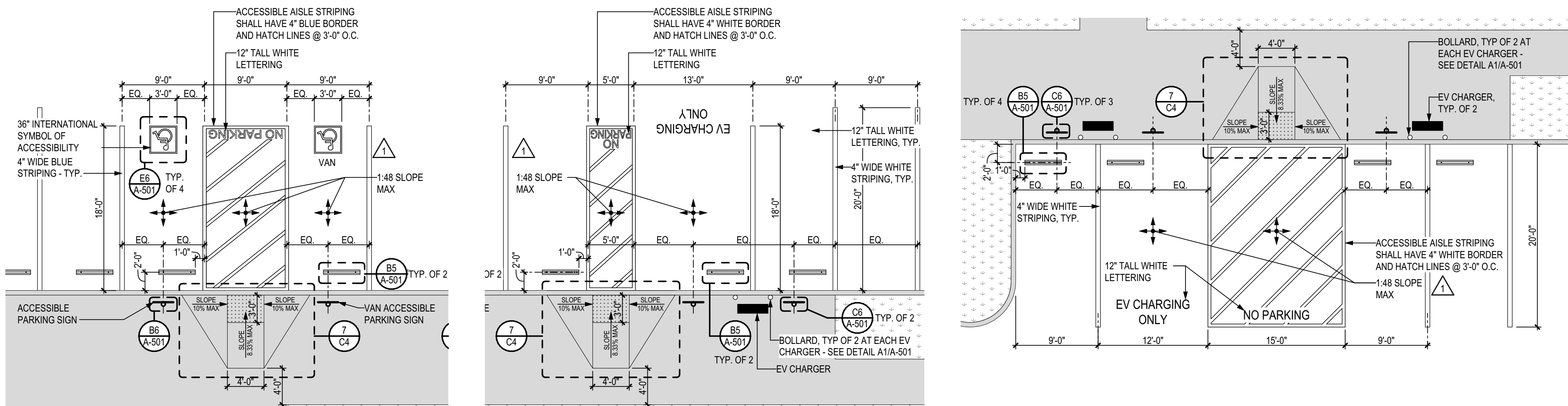
MOT BUILDING







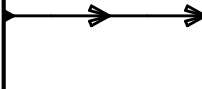
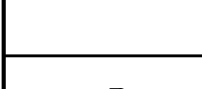
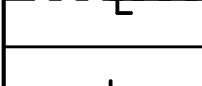
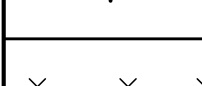
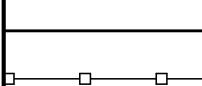

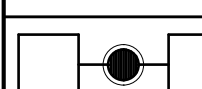
FOR:

FAIRFAX SCHOOL DISTRICT

6327 ZEPHYR LANE, BAKERSFIELD, CA 93307

CODE REQUIREMENTS		GENERAL NOTES		ACCESSIBILITY STANDARDS		PROJECT INFORMATION		PROJECT DIRECTORY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
<p>ALL DRAWINGS AND CONSTRUCTION SHALL CONFORM TO THE FOLLOWING CODES:</p> <p>TITLE 19 COR. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS</p> <p>2022 TITLE 24 COR. PART 1 - 2022 BUILDING STANDARDS ADMINISTRATIVE CODE</p> <p>2022 TITLE 24 COR. PART 2 - 2022 CALIFORNIA BUILDING CODE, VOL. 1 & 2 (CBC) (2021 IBC, AS AMENDED BY CA)</p> <p>2022 TITLE 24 COR. PART 3 - 2022 CALIFORNIA ELECTRICAL CODE (CEC) (2020 NEC (NFPA 70), AS AMENDED BY CA)</p> <p>2022 TITLE 24 COR. PART 4 - 2022 CALIFORNIA MECHANICAL CODE (CMC) (2021 IAPMO UMC, AS AMENDED BY CA)</p> <p>2022 TITLE 24 COR. PART 5 - 2022 CALIFORNIA PLUMBING CODE (CPC) (2021 IAPMO UPC, AS AMENDED BY CA)</p> <p>2022 TITLE 24 COR. PART 6 - 2022 CALIFORNIA ENERGY CODE</p> <p>2022 TITLE 24 COR. PART 8 - 2022 CALIFORNIA HISTORICAL BUILDING CODE</p> <p>2022 TITLE 24 COR. PART 9 - 2022 CALIFORNIA FIRE CODE (CFC) (2021 IFC, AS AMENDED BY CA)</p> <p>2022 TITLE 24 COR. PART 10 - 2022 CALIFORNIA EXISTING BUILDING CODE (IEBC) (2021 INTERNATIONAL EXISTING BUILDING CODE, AS AMENDED BY CA)</p> <p>2022 TITLE 24 COR. PART 11 - 2022 GREEN BUILDING STANDARDS CODE (CALGREEN CODE)</p> <p>2022 TITLE 24 COR. PART 12 - 2022 CALIFORNIA REFERENCED STANDARDS</p> <p>PARTIAL LIST OF STANDARDS COMMONLY USED. FOR COMPLETE LIST AND YEAR OF EDITION ADOPTED, SEE 2022 CBC CH. 35 & 2022 CFC CH. 80:</p> <p>2022 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)</p> <p>2019 NFPA 14, STANDPIPE & HOSE (CA AMENDED)</p> <p>2019 NFPA 20, PUMPS FOR FIRE PROTECTION (CA AMENDED)</p> <p>2022 NFPA 24, FIRE SERVICE MAINS (CA AMENDED)</p> <p>2022 NFPA 72, FIRE ALARM CODE (CA AMENDED)</p> <p>NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT CONSTRUCTION IN CONFLICT WITH THE REQUIREMENTS OF ANY CODE, LAW, ORDINANCE, OR REGULATION. THE FOLLOWING AGENCIES SHALL HAVE JURISDICTION OVER THE PROGRESS OF THE WORK:</p> <p>COUNTY OF KERN: FIRE DEPARTMENT PUBLIC WORKS DEPARTMENT</p>		<p>1. THE DRAWINGS, IDEAS AND DESIGNS REPRESENTED HEREIN ARE THE PROPERTY OF THE ARCHITECT.</p> <p>2. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO CONVEY AN OVERALL DESCRIPTION OF THE PROJECT IN SUFFICIENT DETAIL FOR ITS COMPLETE CONSTRUCTION. SOME CONDITIONS WHICH ARE COMMONLY ENCOUNTERED IN CONSTRUCTION OF THIS TYPE AND/OR CONDITIONS WHICH RELATE TO SPECIFIC PRODUCTS OR PROCESSES, MAY NOT BE SPECIFICALLY DETAILED IN THESE PLANS. ALL CONDITIONS NOT SPECIFICALLY DETAILED SHALL BE CONSTRUCTED COMPLETELY PER THE CURRENT STANDARDS OF THE APPROPRIATE INDUSTRY AND ANY APPLICABLE MANUFACTURER'S RECOMMENDATIONS.</p> <p>3. NOTHING IN THE PLANS AND SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT CONSTRUCTION IN CONFLICT WITH THE REQUIREMENTS OF ANY CODE, LAW OR ORDINANCE OR REGULATION.</p> <p>4. "TYPICAL" MEANS IDENTICAL FOR ALL SAME CONDITIONS UNLESS OTHERWISE NOTED. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITIONS NOTED. VERIFY DIMENSIONS AND ORIENTATION ON PLAN WITH THE ARCHITECT.</p> <p>5. ALL PARTITIONS ARE DIMENSIONED TO THE FACE OF STUD UNLESS OTHERWISE NOTED.</p> <p>6. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT APPROVAL OF THE ARCHITECT, UNLESS OTHERWISE NOTED (+).</p> <p>7. DO NOT SCALE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS.</p> <p>8. ALL HEIGHTS ARE DIMENSIONED FROM TOP OF EXISTING SLAB UNLESS NOTED OTHERWISE "AFF" ABOVE FINISH FLOOR.</p> <p>9. ALL WORK SHALL BE SCHEDULED AND PERFORMED SO AS NOT TO DISTURB OR CAUSE DAMAGE TO ADJACENT PROPERTIES.</p> <p>10. ALL REVISIONS TO THE APPROVED PLANS, NO MATTER HOW MINOR, MUST BE APPROVED BY BOTH THE CITY PLANNING DEPARTMENT AND BUILDING INSPECTION DEPARTMENT, AS WELL AS THE ARCHITECT AND THE OWNER.</p> <p>11. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS FOR ACCURACY AND CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. IF THERE ARE ANY QUESTIONS REGARDING THESE OR OTHER COORDINATION QUESTIONS, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH WORK OR RELATED WORK IN QUESTION.</p> <p>12. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL COORDINATE THE LAYOUT AND EXACT LOCATION OF ALL PARTITIONS, DOORS, PLUMBING, MECHANICAL, ELECTRICAL AND FIRE PROTECTION EQUIPMENT IN THE FIELD BEFORE PROCEEDING WITH CONSTRUCTION.</p> <p>13. THE GENERAL CONTRACTOR SHALL FURR ALL COLUMNS TO THEIR MINIMUM POSSIBLE DIMENSIONS, U.N.O.</p> <p>14. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE PROJECT AND SHALL BE RESPONSIBLE FOR DISCIPLINE OF ALL WORKERS ON THE PROJECT.</p> <p>15. ALL DECORATIVE MATERIALS AND TRIM SHALL COMPLY WITH CALIFORNIA BUILDING CODE, SECTION 806.1</p> <p>16. JOINTS AND OTHER OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER STRIPPED OR OTHERWISE SEALED TO LIMIT INFILTRATION AND EXFILTRATION PER CEC 110.7</p>		<p>DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:</p> <p>THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT (1) HAVE BEEN IDENTIFIED AND (2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FIND OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.</p> <p>DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-COMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT</p> <p>1. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES AND 44 INCHES ABOVE FLOOR. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, BY PANIC BARS, PUSH-PULL ACTIVATION BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP AND TURN OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION.</p> <p>2. MAXIMUM EFFORT TO OPERATE SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS. SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS WHEN FIRE DOORS ARE REQUIRED. THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED NOT TO EXCEED 15 POUNDS.</p> <p>3. CONSTRUCTION: THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAMES ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.</p> <p>4. FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. AT LEAST ONE OF A PAIR OF DOORS SHALL MEET THIS OPENING WIDTH REQUIREMENT.</p> <p>5. IN ADDITION TO ALL LOCAL CODES, ACCESSIBILITY REQUIREMENTS SHALL COMPLY WITH THE CALIFORNIA BUILDING CODE, TITLE 24, AS WELL AS FEDERAL A.D.A., (AMERICANS WITH DISABILITIES ACT).</p>		<p>CONSTRUCTION TYPE:</p> <p>VB</p> <p>OCCUPANCY TYPE:</p> <p>(B) BUSINESS, (S-1) MODERATE-HAZARD STORAGE, & (S-1) MOTOR VEHICLE REPAIR GARAGE</p> <p>BUILDING HEIGHT:</p> <p>29'4"</p> <p>STORIES:</p> <p>1</p> <p>PROJECT AREA:</p> <p>FIRST FLOOR AREA: = 14,177 SF MEZZANINE: = 3,297 SF TOTAL BUILDING AREA: = 17,474 SF</p> <p>FIRE SPRINKLERS:</p> <p>YES</p> <p>PARKING REQUIRED:</p> <p>LOT A & LOT B ADMINISTRATION BUILDING: 12,900 SF / 250 52 SPACES</p> <p>LOT C MOT BUILDING: 18,497 SF / 1000 19 SPACES</p> <p>PARKING PROVIDED:</p> <p>LOT A REGULAR PARKING PROVIDED: 34 SPACES ACCESSIBLE PARKING PROVIDED: 2 SPACES (1 STANDARD, 1 VAN) EV CAPABLE SPACES PROVIDED: 8 SPACES EVCS W/ EVSE: 2 SPACES (1 VAN) TOTAL PARKING PROVIDED: 44 SPACES</p> <p>LOT B REGULAR PARKING PROVIDED: 48 SPACES ACCESSIBLE PARKING PROVIDED: 13 SPACES (3 STANDARD, 1 VAN) EV CAPABLE SPACES PROVIDED: 13 SPACES EVCS W/ EVSE: 3 SPACES (1 VAN) TOTAL PARKING PROVIDED: 68 SPACES</p> <p>LOT C REGULAR PARKING PROVIDED: 16 SPACES ACCESSIBLE PARKING: 2 (1 STANDARD, 1 VAN) EV CAPABLE SPACES PROVIDED: 8 SPACES EVCS W/ EVSE: 2 SPACES (1 VAN) TOTAL PARKING PROVIDED: 28 SPACES</p>		<p>OWNER</p> <p>FAIRFAX SCHOOL DISTRICT 1500 S Fairfax Road Bakersfield, CA 93307 Phone: (661) 368-7221 Fax: (661) 368-1901 David Mack</p> <p>REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE:</p> <p>ARCHITECT</p> <p>Ordiz Melby Architects, Inc. 5500 Ming Avenue, Suite 280 Bakersfield, CA 93309 Phone: (661) 832-5258 Fax: (661) 832-4219 Manuel Maldonado License No. C-36294, Renewal Date 12/31/2025</p> <p>CIVIL</p> <p>Swanson Engineering 2000 Oak St., Suite 150 Bakersfield, CA 93311 Phone: (661) 831-4919 Fax: (661) 873-4777 Bob Swanson</p> <p>STRUCTURAL</p> <p>Anascape Engineering and Design, Inc. 9100 Ming Ave. Suite 110 Bakersfield, CA 93309 Phone: (661) 832-0121 Ramon S. Sanchez</p> <p>MECHANICAL/ PLUMBING</p> <p>Baskin Mechanical Engineers, Inc. 175 Fulton St. Fresno, CA 93721 Phone: (559) 237-0376 Fax: (559) 437-0297 Mark Baskin</p> <p>ELECTRICAL</p> <p>Chen Engineers, Inc. 729 W. Enterprise Ave. Clovis, CA 93619 Phone: (559) 578-6049 Richard Chen</p> <p>LANDSCAPE</p> <p>Rios Design 3805 Ora Vista Avenue Bakersfield, CA 93309 Phone: (661) 835-9259 Fax: (661) 367-5284 Megan Rios</p> <p>FIRE SPRINKLER</p> <p>Baskin Mechanical Engineers, Inc. 175 Fulton St. Fresno, CA 93721 Phone: (559) 237-0376 Fax: (559) 437-0297 Mark Baskin</p> <p>RESPONSIBLE PARTIES OF DOCUMENTS PREPARED BY OTHERS:</p> <p>METAL BUILDING</p> <p>American Buildings, West 1050 North Watery Lane Bingham City, UT 84302 Phone: (435) 919-3100 Grant Roth</p> <p>MODULAR BUILDING</p> <p>JTS Modular 7001 McDowell Drive Bakersfield, CA 93331 Phone: (661) 835-9270 Sam Engle</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
<h3>CAL GREEN NOTES</h3> <p>1. PER CALGREEN SECTION 5.504.4.1, ADHESIVES BONDING PRIMERS, ADHESIVE PRIMERS, SEALANTS, SEALANT PRIMERS AND CALKES SHALL COMPLY WITH TABLE 5.504.4.1 AND 5.504.4.2</p> <p>2. PER CALGREEN SECTION 5.504.4.3, ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH TABLE 5.504.4.3.</p> <p>3. PER CALGREEN SECTION 5.504.4.4, ALL CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE STANDARDS LISTED IN SECTION 5.504.4.4.</p> <p>4. PER CALGREEN SECTION 5.504.4.4.2, ALL CARPET ADHESIVE SHALL MEET THE REQUIREMENTS OF TABLE 5.504.4.1.</p> <p>5. PER CALGREEN SECTION 5.504.4.5, HARDWOOD PLYWOOD, PARTICLEBOARDS AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED ON THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE REQUIREMENTS FOR FORMALDEHYDE AS SPECIFIED IN TABLE 5.504.4.5.</p>		<h3>DEFERRED APPROVAL</h3> <p>1. THE AUTOMATIC FIRE SPRINKLER SYSTEM CONTRACTOR AWARDED THE CONTRACT FOR SAID WORK SHALL BE RESPONSIBLE FOR SHOP DRAWINGS, PRODUCT INFORMATION AND TECHNICAL DATA REQUIRED TO PERMIT AND INSTALL SYSTEM IN CONFORMANCE WITH THESE CONTRACT DOCUMENTS. SPRINKLER SYSTEM MUST COMPLY WITH THE PROVISIONS OF CBC 909.3.1.1.</p> <p>2. THE FIRE ALARM CONTRACTOR AWARDED THE CONTRACT FOR SAID WORK SHALL BE RESPONSIBLE FOR SHOP DRAWINGS, PRODUCT INFORMATION AND TECHNICAL DATA REQUIRED TO PERMIT AND INSTALL SYSTEM IN CONFORMANCE WITH THESE CONTRACT DOCUMENTS.</p> <p>3. PRIOR TO INSPECTION, DEFERRED SUBMITTAL PLANS AND SHOP DRAWINGS WILL BE AT THE JOB SITE WITH ALL SHEETS BEARING A CALIFORNIA REGISTERED CIVIL/STRUCTURAL ENGINEER WET SEAL AND SIGNATURE RESPONSIBLE FOR THE DESIGN TOGETHER WITH THE ACCEPTANCE CONFORMANCE REVIEWED STAMP BY THE (ROP) BUILDING'S ARCHITECT AND/OR STRUCTURAL ENGINEER AND THE BUILDING DEPARTMENT'S APPROVAL STAMP.</p> <p>4. THE CONTRACTOR AWARDED THE CONTRACT FOR SAID WORK SHALL BE RESPONSIBLE FOR COMPLETING AND SUBMITTING THE CONSTRUCTION WASTE MANAGEMENT FORMS AS REQUIRED BY APPLICABLE LOCAL AND STATE JURISDICTIONS AND REGULATIONS.</p>		<h3>FIRE PROTECTION</h3> <p>1. PROVIDE ONE 4A 10 B C RATED EXTINGUISHER FOR EACH 6,000 SQUARE FEET OR PORTION THEREOF ON EACH FLOOR - TRAVEL DISTANCE SHALL NOT EXCEED 75 FEET.</p> <p>2. FIRE DAMPER ASSEMBLIES, INCLUDING SLEEVES AND INSTALLATION PROCEDURES SHALL BE APPROVED BY THE BUILDING INSPECTOR PRIOR TO INSTALLATION.</p>		<h3>SCOPE OF WORK</h3> <p>PRE-ENGINEERED METAL BUILDING, FOUNDATION, INTERIOR IMPROVEMENTS AND ASSOCIATED SITEWORK FOR A NEW MOT FACILITY.</p> <p>BID SCOPE</p> <p>THE PRE-ENGINEERED METAL BUILDING IS NOT A PART OF THE BID SCOPE, THIS PORTION HAS BEEN ENGINEERED AND WILL BE INSTALLED BY OTHERS.</p> <p>- ALL SITEWORK, BUILDING FOUNDATION AND INTERIOR IMPROVEMENTS ARE A PART OF THIS BID.</p>		<h3>SHEET INDEX</h3> <p>GENERAL INFORMATION</p> <p>G-001 GENERAL INFORMATION G-002 CODE ANALYSIS / EGRESS PLAN G-003 EGRESS PLAN</p> <p>CIVIL DRAWINGS</p> <p>C1 TITLE SHEET C2 GRADING PLAN - NORTH C3 GRADING PLAN - SOUTH C4 GRADING PLAN CONSTRUCTION DETAILS C5 EROSION CONTROL PLAN C6 BMP DETAILS C7 SEWER AND WATER UTILITY PLAN C8 SEWER AND WATER DETAILS C9 OVERALL SITE PLAN (FOR REFERENCE ONLY) FW-1 FIRE & DOMESTIC WATER PLAN (FOR REFERENCE ONLY) FW-2 FIRE & DOMESTIC WATER DETAILS (FOR REFERENCE ONLY)</p> <p>STRUCTURAL DRAWINGS</p> <p>SN-1 STRUCTURAL GENERAL NOTES S-101 STRUCTURAL GENERAL NOTES S-102 ENLARGED FOUNDATION PLAN AND FLOOR FRAMING PLAN - MEZZANINE SD-1 TYPICAL DETAILS SD-2 TYPICAL DETAILS SD-3 TYPICAL DETAILS</p> <p>ARCHITECTURAL DRAWINGS</p> <p>A-111 OVERALL SITE PLAN A-112 SITE PLAN: ENLARGED A-113 SITE PLAN: ENLARGED A-121 FLOOR PLAN A-122 FLOOR PLAN - MEZZANINE A-131 REFLECTED CEILING PLAN A-132 REFLECTED CEILING PLAN - MEZZANINE A-141 ROOF PLAN A-221 EXTERIOR ELEVATIONS A-231 INTERIOR ELEVATIONS A-301 SECTIONS A-501 DETAILS A-502 DETAILS A-503 DETAILS A-504 DETAILS A-601 DOORS & WINDOW SCHEDULES A-602 FINISH SCHEDULES A-701 FINISH PLANS</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
<h3>ABBREVIATIONS</h3> <table><tbody><tr><td>abandon</td><td>ABAN</td><td>chamfer</td><td>CHFR</td><td>each way</td><td>ESMT</td><td>hardwood</td><td>HDWD</td><td>project</td><td>PROJ</td><td>surface four sides</td><td>S4S</td></tr><tr><td>above finish floor</td><td>ABFF</td><td>circle</td><td>CIR</td><td>element east</td><td>ESMT</td><td>header</td><td>HDR</td><td>property line</td><td>PL</td><td>surface two sides</td><td>S2S</td></tr><tr><td>accessible</td><td>ACCS</td><td>class</td><td>CL</td><td>elementary</td><td>ELEM</td><td>holddown</td><td>HDLDN</td><td>radius</td><td>RDW</td><td>switch</td><td>S1S</td></tr><tr><td>addendum</td><td>ADDUM</td><td>cleanout to grade</td><td>CTG</td><td>elevator</td><td>ELEV</td><td>hose bibb</td><td>HB</td><td>refrigerator</td><td>REF</td><td>switch</td><td>SW</td></tr><tr><td>additional</td><td>ADDD</td><td>cold water piping</td><td>CW</td><td>enamel</td><td>ENML</td><td>register</td><td>REG</td><td>return air</td><td>RA</td><td>symbol</td><td>SYM</td></tr><tr><td>adjustable</td><td>ADJ</td><td>complete</td><td>COMPL</td><td>enclosure</td><td>ENCL</td><td>insulation</td><td>INSUL</td><td>return air</td><td>RA</td><td>tab</td><td>TAB</td></tr><tr><td>air condition</td><td>A/C</td><td>common</td><td>COM</td><td>equal</td><td>EQ</td><td>insulation</td><td>INSUL</td><td>revision</td><td>REV</td><td>television</td><td>TV</td></tr><tr><td>alternate</td><td>ALT</td><td>component</td><td>COMP</td><td>equipment</td><td>EQUIP</td><td>ladder</td><td>LAD</td><td>rough opening</td><td>RO</td><td>temporal glass</td><td>TEMP GLAS</td></tr><tr><td>aluminum</td><td>ALU</td><td>concrete</td><td>CONC</td><td>estimate</td><td>EST</td><td>landscape</td><td>LANDSCP</td><td>schematic</td><td>SCHEM</td><td>transfer</td><td>THRU</td></tr><tr><td>anchor bolt</td><td>AB</td><td>condensate</td><td>CND</td><td>exhaust</td><td>EXH</td><td>levatory</td><td>LAV</td><td>section</td><td>SECT</td><td>transformer</td><td>XFMR</td></tr><tr><td>angle</td><td>ANG</td><td>condensate</td><td>CND</td><td>exhaust fan</td><td>EXH FN</td><td>lower</td><td>LVR</td><td>select</td><td>SEL</td><td>transparent</td><td>TRANS</td></tr><tr><td>approved</td><td>APPRD</td><td>condition</td><td>COND</td><td>existing</td><td>EXIST</td><td>louver</td><td>LVR</td><td>sheet metal</td><td>SM</td><td>uniform</td><td>UNIF</td></tr><tr><td>appropriate</td><td>APPROX</td><td>condult</td><td>CND</td><td>existing grade</td><td>EXIST GR</td><td>manifactor</td><td>MFR</td><td>shear vinyl</td><td>SHV</td><td>uniform building code</td><td>UBC</td></tr><tr><td>architect</td><td>ARCH</td><td>construction</td><td>CONSTR</td><td>equipment</td><td>EQUIP</td><td>mechanical</td><td>MECH</td><td>shelving</td><td>SHV</td><td>uniform fire code</td><td>UFC</td></tr><tr><td>architect/engineer</td><td>A/E</td><td>consultant</td><td>CONSULT</td><td>exterior</td><td>EXT</td><td>metal</td><td>MTL</td><td>shower</td><td>SHWR</td><td>uniform plumbing code</td><td>UPC</td></tr><tr><td>assembly</td><td>ASSY</td><td>contractor</td><td>CONTR</td><td>exterior finish</td><td>EXT FIN</td><td>metal-building-manufacturer</td><td>MBM</td><td>sliding</td><td>SLD</td><td>utility</td><td>UTIL</td></tr><tr><td>audio visual</td><td>AV</td><td>contract documents</td><td>CD</td><td>exterior finish system</td><td>EXT FIN SYS</td><td>modifly</td><td>MOD</td><td>single</td><td>SNG</td><td>valve box</td><td>VB</td></tr><tr><td>average</td><td>AVG</td><td>cubic yard</td><td>CU YD</td><td>extinguisher</td><td>EXTING</td><td>on center</td><td>OC</td><td>smooth</td><td>SMO</td><td>vent</td><td>VAN</td></tr><tr><td>beam, standard</td><td>S BM</td><td>current</td><td>CUR</td><td>face brick</td><td>FAB</td><td>opposite</td><td>OPP</td><td>soap dispenser</td><td>SD</td><td>varies</td><td>VAR</td></tr><tr><td>beam, wide flange</td><td>WB FM</td><td>datum</td><td>DAT</td><td>face of stud</td><td>FOS</td><td>out to out</td><td>OTO</td><td>south</td><td>SO</td><td>vertical</td><td>VERT</td></tr><tr><td>bearing</td><td>BRG</td><td>degree</td><td>DGR</td><td>finish floor</td><td>FF</td><td>outside face of studs</td><td>OFS</td><td>speaker</td><td>SPK</td><td>vestibule</td><td>VEST</td></tr><tr><td>below</td><td>BLW</td><td>definition</td><td>DEF</td><td>finish floor elevation</td><td>FF EL</td><td>over</td><td>OV</td><td>specification</td><td>SPEC</td><td>video</td><td>VDO</td></tr><tr><td>below finish floor</td><td>BFF</td><td>diagonal</td><td>DIAG</td><td>finish floor</td><td>FF</td><td>panel</td><td>PAN</td><td>sprinkler</td><td>SPKLR</td><td>wastec</td><td>WCT</td></tr><tr><td>board</td><td>BD</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>pair</td><td>PAI</td><td>square foot (foot)</td><td>SQ FT</td><td>water closet</td><td>WC</td></tr><tr><td>both faces</td><td>BF</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>perapet</td><td>PAR</td><td>square inch</td><td>SQ IN</td><td>weld</td><td>WLD</td></tr><tr><td>both sides</td><td>BS</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>paving</td><td>PVG</td><td>square yard</td><td>SQ YD</td><td>welded wire mesh</td><td>WWM</td></tr><tr><td>bottom</td><td>BTM</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>stairs</td><td>STS</td><td>wide flange</td><td>WF</td></tr><tr><td>boulevard</td><td>BLVD</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>standard</td><td>STD</td><td>window</td><td>WDW</td></tr><tr><td>boundary</td><td>BDRY</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>steel joist</td><td>STJ</td><td>wood</td><td>WOD</td></tr><tr><td>bulldozed</td><td>BLDZ</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>storm drain</td><td>STR</td><td>year</td><td>YR</td></tr><tr><td>bullet</td><td>BLD</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>street</td><td>STR</td><td>year</td><td>YR</td></tr><tr><td>cabinet</td><td>CAB</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>structure</td><td>STRCT</td><td>year</td><td>YR</td></tr><tr><td>cable television</td><td>CTV</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>substitute</td><td>SUB</td><td>year</td><td>YR</td></tr><tr><td>cast iron</td><td>CI</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>supply air</td><td>SA</td><td>year</td><td>YR</td></tr><tr><td>ceiling</td><td>CLG</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>support</td><td>SPRT</td><td>year</td><td>YR</td></tr><tr><td>ceiling height</td><td>CLG HT</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>surface</td><td>SUR</td><td>year</td><td>YR</td></tr><tr><td>ceiling register</td><td>CLG REG</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>surface</td><td>SUR</td><td>year</td><td>YR</td></tr><tr><td>ceiling tile</td><td>CLG TIL</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>surface</td><td>SUR</td><td>year</td><td>YR</td></tr><tr><td>center</td><td>CTR</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>surface</td><td>SUR</td><td>year</td><td>YR</td></tr><tr><td>center line</td><td>CL</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>surface</td><td>SUR</td><td>year</td><td>YR</td></tr><tr><td>center to center</td><td>C to C</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>surface</td><td>SUR</td><td>year</td><td>YR</td></tr><tr><td>ceramic</td><td>CER</td><td>diameter</td><td>DIAM</td><td>finish floor</td><td>FF</td><td>plaster</td><td>PLAS</td><td>surface</td><td>SUR</td><td>year</td><td>YR</td></tr></tbody></table>		abandon	ABAN	chamfer	CHFR	each way	ESMT	hardwood	HDWD	project	PROJ	surface four sides	S4S	above finish floor	ABFF	circle	CIR	element east	ESMT	header	HDR	property line	PL	surface two sides	S2S	accessible	ACCS	class	CL	elementary	ELEM	holddown	HDLDN	radius	RDW	switch	S1S	addendum	ADDUM	cleanout to grade	CTG	elevator	ELEV	hose bibb	HB	refrigerator	REF	switch	SW	additional	ADDD	cold water piping	CW	enamel	ENML	register	REG	return air	RA	symbol	SYM	adjustable	ADJ	complete	COMPL	enclosure	ENCL	insulation	INSUL	return air	RA	tab	TAB	air condition	A/C	common	COM	equal	EQ	insulation	INSUL	revision	REV	television	TV	alternate	ALT	component	COMP	equipment	EQUIP	ladder	LAD	rough opening	RO	temporal glass	TEMP GLAS	aluminum	ALU	concrete	CONC	estimate	EST	landscape	LANDSCP	schematic	SCHEM	transfer	THRU	anchor bolt	AB	condensate	CND	exhaust	EXH	levatory	LAV	section	SECT	transformer	XFMR	angle	ANG	condensate	CND	exhaust fan	EXH FN	lower	LVR	select	SEL	transparent	TRANS	approved	APPRD	condition	COND	existing	EXIST	louver	LVR	sheet metal	SM	uniform	UNIF	appropriate	APPROX	condult	CND	existing grade	EXIST GR	manifactor	MFR	shear vinyl	SHV	uniform building code	UBC	architect	ARCH	construction	CONSTR	equipment	EQUIP	mechanical	MECH	shelving	SHV	uniform fire code	UFC	architect/engineer	A/E	consultant	CONSULT	exterior	EXT	metal	MTL	shower	SHWR	uniform plumbing code	UPC	assembly	ASSY	contractor	CONTR	exterior finish	EXT FIN	metal-building-manufacturer	MBM	sliding	SLD	utility	UTIL	audio visual	AV	contract documents	CD	exterior finish system	EXT FIN SYS	modifly	MOD	single	SNG	valve box	VB	average	AVG	cubic yard	CU YD	extinguisher	EXTING	on center	OC	smooth	SMO	vent	VAN	beam, standard	S BM	current	CUR	face brick	FAB	opposite	OPP	soap dispenser	SD	varies	VAR	beam, wide flange	WB FM	datum	DAT	face of stud	FOS	out to out	OTO	south	SO	vertical	VERT	bearing	BRG	degree	DGR	finish floor	FF	outside face of studs	OFS	speaker	SPK	vestibule	VEST	below	BLW	definition	DEF	finish floor elevation	FF EL	over	OV	specification	SPEC	video	VDO	below finish floor	BFF	diagonal	DIAG	finish floor	FF	panel	PAN	sprinkler	SPKLR	wastec	WCT	board	BD	diameter	DIAM	finish floor	FF	pair	PAI	square foot (foot)	SQ FT	water closet	WC	both faces	BF	diameter	DIAM	finish floor	FF	perapet	PAR	square inch	SQ IN	weld	WLD	both sides	BS	diameter	DIAM	finish floor	FF	paving	PVG	square yard	SQ YD	welded wire mesh	WWM	bottom	BTM	diameter	DIAM	finish floor	FF	plaster	PLAS	stairs	STS	wide flange	WF	boulevard	BLVD	diameter	DIAM	finish floor	FF	plaster	PLAS	standard	STD	window	WDW	boundary	BDRY	diameter	DIAM	finish floor	FF	plaster	PLAS	steel joist	STJ	wood	WOD	bulldozed	BLDZ	diameter	DIAM	finish floor	FF	plaster	PLAS	storm drain	STR	year	YR	bullet	BLD	diameter	DIAM	finish floor	FF	plaster	PLAS	street	STR	year	YR	cabinet	CAB	diameter	DIAM	finish floor	FF	plaster	PLAS	structure	STRCT	year	YR	cable television	CTV	diameter	DIAM	finish floor	FF	plaster	PLAS	substitute	SUB	year	YR	cast iron	CI	diameter	DIAM	finish floor	FF	plaster	PLAS	supply air	SA	year	YR	ceiling	CLG	diameter	DIAM	finish floor	FF	plaster	PLAS	support	SPRT	year	YR	ceiling height	CLG HT	diameter	DIAM	finish floor	FF	plaster	PLAS	surface	SUR	year	YR	ceiling register	CLG REG	diameter	DIAM	finish floor	FF	plaster	PLAS	surface	SUR	year	YR	ceiling tile	CLG TIL	diameter	DIAM	finish floor	FF	plaster	PLAS	surface	SUR	year	YR	center	CTR	diameter	DIAM	finish floor	FF	plaster	PLAS	surface	SUR	year	YR	center line	CL	diameter	DIAM	finish floor	FF	plaster	PLAS	surface	SUR	year	YR	center to center	C to C	diameter	DIAM	finish floor	FF	plaster	PLAS	surface	SUR	year	YR	ceramic	CER	diameter	DIAM	finish floor	FF	plaster	PLAS	surface	SUR	year	YR	<h3>EXIT REQUIREMENTS</h3> <p>1. ALL EXITS SHALL BE OPERABLE DURING BUSINESS HOURS FROM INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE. NO DEAD OR SLIDING BOLTS, NO LATCH OR LATCHING DEVICE EXCEPT PANIC HANGING PERMITTED.</p> <p>2. EXIT SIGNS MUST BE INTERNALLY ILLUMINATED.</p> <p>3. PROVIDE TWO SEPARATE CIRCUITS FOR EXIT SIGNS.</p> <p>4. PROVIDE TWO SEPARATE SOURCES OF POWER FOR EXIT SIGNS.</p>		<h3>VICINITY MAP</h3>	
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<h3>SPECIAL INSPECTION</h3> <p>1. PER SECTION 1709.5.2.1, GARAGE DOORS AND ROLLING DOORS SHALL BE TESTED IN ACCORDANCE WITH EITHER ASTM E330 OR ANSIDASMA 108 AND SHALL MEET THE PASS/FAIL CRITERIA OF ANSIDASMA 108. GARAGE DOORS AND ROLLING DOORS SHALL BE LABELED WITH PERMANENT LABEL IDENTIFYING THE DOOR MANUFACTURER, THE DOOR MODEL/ SERIES NUMBER, THE POSITIVE NEGATIVE DESIGN WIND UPLIFT RATING, THE INSTALLATION INSTRUCTION DRAWING NUMBER, AND THE APPLICABLE TEST STANDARD.</p>		<h3>GENERAL INFORMATION</h3> <p>CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT.</p> <p>THE DRAWINGS, IDEAS, AND DESIGNS REPRESENTED ON THIS SHEET ARE THE PROPERTY OF THE ARCHITECT.</p> <p>COPYRIGHT 2025 ORDIZ MELBY ARCHITECTS A PROFESSIONAL CORPORATION</p> <p>SHEET TITLE</p> <p>GENERAL INFORMATION</p> <p>SHEET IDENTIFICATION NUMBER</p> <p>G-001</p>		<p>JOB NUMBER: 2314.00</p> <p>CAD DRAWING FILE: 2314 Fairfax DD - CD27.pht</p> <p>DRAWN BY: OH</p> <p>CHECKED BY: AG</p> <p>DATE: 02/03/2025 DESCRIPTION: PLAN CHECK</p> <p>DATE: 05/13/2025 DESCRIPTION: BACK CHECK</p> <p>DATE: 06/17/2025 DESCRIPTION: ADDENDUM #1</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									



SITE LEGEND					
TYPE	DESCRIPTION				
	LANDSCAPE - SEE LANDSCAPE DRAWINGS				
	NEW CONCRETE - 4" REINFORCED CONCRETE FLATWORK, #3 REBAR @ 24" O.C. BOTH WAYS LAP TO BE 24X DIA. - SEE DETAIL C3A-501 FOR CONCRETE JOINTS.				
	NEW AC PAVING				
	NEW BUILDING				
	PATH OF TRAVEL (P.O.T.) AS INDICATED IS A COMMON BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" AT 12 MAXIMUM SLOPE. EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL. P.O.T. IS A MINIMUM OF 48" WIDE. THE SURFACE SHALL BE FIRM, STABLE, AND SLIP RESISTANT. PASSING SPACES (11B-405.5.3) AT LEAST 6' X 6' SHALL BE LOCATED NOT MORE THAN 200' APART. PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS SHALL HAVE 60" LEVEL AREAS AT INTERVALS OF 400' MAXIMUM (11B-403.7) SLOPE SHALL NOT EXCEED 2% CROSS-SLOPE AND 5% RUNNING SLOPE IN THE DIRECTION OF TRAVEL. (11B-401.1) SLOPES GREATER THAN 5% TO A MAXIMUM OF 8.33% SHALL BE CONSIDERED AS A RAMP (11B-405). THERE SHALL BE NO DROP-OFF OVER 4" ALONG THE EDGE OF WALK OR LANDINGS. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS AND OBJECTS PROTRUDING GREATER THAN 4" FROM A WALL, BETWEEN 27" TO 80" ABOVE FINISHED GRADE. ARCHITECT SHALL VERIFY THAT NO BARRIERS EXIST IN THE PATH OF TRAVEL.				
	DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS ADDITIONS AND STRUCTURAL REPAIRS AS PART OF THE DESIGN OF THIS PROJECT. THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FIND OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.				
	DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCOMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT. 				
	EMERGENCY VEHICLE ACCESS, 20 FT MINIMUM WIDTH AND 28FT MINIMUM TURNING RADIUS. PAVEMENT SHALL BE ABLE TO WITHSTAND AN IMPOSED LOAD WEIGHING UP TO 75,000 LBS. PER 2022 CA FIRE CODE, APPENDIX D, D102.1, CURBS TO BE PAINTED RED AND CLEARLY MARKED WITH THE WORDS "NO PARKING FIRE LANE" LOCATED EVERY 30 FT.				
	PROPERTY LINE				
	ASSUMED PROPERTY LINE				
	CHAINLINK FENCE WITH 18" MOW CURB - SEE DETAIL A3/A-501				
	WROUGHT IRON FENCE WITH 18" MOW CURB - SEE DETAIL C3/A-501				
	EXISTING FIRE HYDRANT				
	LIGHT STANDARD - TYPICAL (REFER TO ELECTRICAL DRAWINGS)				
GATE SCHEDULE					
ID	SIZE		MATERIAL	FINISH	DETAIL
	W	HT			
G01	37'-6"	6'-0"	WROUGHT IRON	PAINT	D1/A-501
G02	16'-8"	6'-0"	WROUGHT IRON	PAINT	C3/A-502
G03	3'-0"	6'-0"	WROUGHT IRON	PAINT	C1/A-501
G04	28'-6"	6'-0"	WROUGHT IRON	PAINT	D1/A-501
G05	36'-6"	6'-0"	CHAINLINK	FACTORY FINISH	B3/A-501
G06	16'-8"	6'-0"	WROUGHT IRON	PAINT	C3/A-502
G07	3'-0"	6'-0"	WROUGHT IRON	PAINT	C1/A-501
G08	30'-0"	6'-0"	CHAINLINK	FACTORY FINISH	B3/A-501

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MOT BUILDING

FOR:

FAIRFAX SCHOOL DISTRICT

6327 ZEPHYR LANE,
BAKERSFIELD, CA 93307

MARK	DATE	DESCRIPTION
	02/03/2025	PLAN CHECK
1	05/13/2025	BACK CHECK
2	06/17/2025	ADDENDUM #1

JOB NUMBER:
2314.00

CAD DRAWING FILE:
2314 Fairfax DD - CD27.pln

DRAWN BY:
CH

CHECKED BY:
AG

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SHEET TITLE
**SITE PLAN:
ENLARGED**

SHEET IDENTIFICATION NUMBER
A-112

ZEPHYR LN

SITE UTILITY NOTES:

ALL NEW SITE UTILITY WORK NEEDS TO BE VERIFIED WITH SERVING UTILITY COMPANY. ELECTRICAL CONTRACTOR SHALL PROVIDE TRANSFORMER PAD, SERVICE PULL BOXES, SERVICE CONDUITS AND OTHER RELATED SERVICE EQUIPMENT AS REQUIRED BY SERVING UTILITY COMPANY'S CONSTRUCTION DOCUMENTS.

SITE ELECTRICAL PLAN NOTES:

- EXISTING POWER POLE TO REMAIN. VERIFY LOCATION IN FIELD.
- UTILITY COMPANY'S TRANSFORMER PAD, BARRIER POSTS, AND PRIMARY FEEDER CONDUITS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR, PER SERVING UTILITY COMPANY'S REQUIREMENT. VERIFY LOCATION AND REQUIREMENT PRIOR TO BIDDING.
- TELEPHONE SERVICE PULL BOX SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR, PER SERVING TELEPHONE COMPANY'S REQUIREMENT. VERIFY LOCATION AND REQUIREMENT PRIOR TO BIDDING.
- PROVIDE SERVICE CONDUITS AS DIRECTED BY SERVING UTILITY COMPANY. VERIFY WORK REQUIRED PRIOR TO BIDDING.
- RUN SERVICE CONDUITS TO EXISTING SERVICE FACILITIES AS DIRECTED BY SERVING UTILITY COMPANIES. VERIFY WORK REQUIRED PRIOR TO BIDDING.
- TYPICAL TYPE 'S1' AND 'S2' FIXTURES SHALL BE 22-FT POLE LIGHT. PROVIDE CONCRETE BASE PER DETAIL.
- TYPICAL EXTERIOR NIGHT LIGHTS (ENL). WIRE TO BE CONTROLLED BY LCP FOR TIME CLOCK ON, TIME CLOCK OFF. SET FOR ON AT SUNSET, OFF AT SUNRISE.
- TYPICAL EXTERIOR LIGHTS NOT DESIGNATED AS NIGHT LIGHTS SHALL BE WIRED FOR PHOTOCELL ON, TIMECLOCK OFF. SET FOR ON AT SUNSET, OFF AT 9PM OR AS DIRECTED BY OWNER.
- SITE LIGHTING PULL BOX SHALL BE CHRISTY #N9, 10" X 17" X 24"D WITH FLUSH CONCRETE COVER AND HOLD DOWN BOLTS. PROVIDE "SITE LTC" ETCHED ON COVER.
- NOTE NOT USED.
- 1" - 2#10 + 1#10 GND.
- 1" - 3#10 + 1#10 GND.
- 1" - 4#10 + 1#10 GND.
- 1" - 4#10 + 1#10 GROUND; 1-1/4" SPARE WITH PULL WIRE.
- NOTE NOT USED.
- NOTE NOT USED.
- NOTE NOT USED.
- NOTE NOT USED.
- NOTE NOT USED.
- PROVIDE DUAL PORT EV CHARGER. VERIFY CONNECTION LOCATION AND POWER REQUIREMENT WITH EQUIPMENT SUPPLIER. EV CHARGER SHALL BE CHANGEPONT LEVEL 2 DUAL PORT EV CHARGING STATION MODEL CT4025-GW1 OR AS SELECTED BY OWNER. EV CHARGER TO BE PROVIDED BY CONTRACTOR AS SELECTED BY OWNER. STANDARD POWER IS TWO 40A 208-VOLT, 1-PHASE CIRCUITS.
- 22 DENOTES LOCATION OF FUTURE SINGLE PORT EV CHARGER.
- 22 DENOTES LOCATION OF FUTURE DUAL PORT EV CHARGER.
- THIS EV READY PULL BOX SHALL BE CHRISTY #N9, 10" X 17" X 24"D WITH FLUSH CONCRETE COVER AND HOLD DOWN BOLTS. PROVIDE "EV READY" ETCHED ON COVER.
- THIS EV READY PULL BOX SHALL BE CHRISTY #N30, 13" X 24" X 24"D WITH FLUSH CONCRETE COVER AND HOLD DOWN BOLTS. PROVIDE "EV READY" ETCHED ON COVER.
- STUBOUT ONE 1-1/4" FROM PULL BOX TO FUTURE EV CHARGER. UNDERGROUND CONDUIT SHALL HAVE MINIMUM 24" COVER. CONDUIT TO CLOW UP 2" BELOW FINISHED CEMENT. CAP WITH CONDUIT COUPLING WITH DUCT TAPE ON TOP. VERIFY STUBOUT LOCATION AND REQUIREMENT WITH OWNER.
- RUN TWO 1-1/4" WITH PULL WIRE FROM PULL BOX TO PANEL.
- RUN FOUR 1-1/4" WITH PULL WIRE FROM PULL BOX TO PANEL.
- RUN SIX 1-1/4" WITH PULL WIRE FROM PULL BOX TO PANEL.
- THIS EV PULL BOX SHALL BE CHRISTY #N36, 17" X 30" X 24"D WITH FLUSH CONCRETE COVER AND HOLD DOWN BOLTS. PROVIDE "EV READY" ETCHED ON COVER.
- 1-1/4" - 2#6 + 1#10 GND.
- 1-1/4" - 4#6 + 1#10 GND.
- 1-1/4" - 4#4 + 1#6 GND.
- STUBOUT TWO 1-1/4" FROM PULL BOX FOR FUTURE BUS PARKING LIGHTING.
- DISTRICT OFFICE BUILDING MODULAR BUILDING ELECTRICAL DESIGN BY OTHERS.
- MAIN SWITCHBOARD TO BE PROVIDED BY BUILDING ELECTRICAL CONTRACTOR.
- EXTEND HOUSE KEEPING PAD 4-FT IN FRONT OF MAIN SWITCHBOARD.
- TEL BACKBOARD SHALL BE 4 X 8 X 3/4" PLYWOOD BACKBOARD. VERIFY LOCATION WITH MODULAR BUILDING PLANS. PROVIDE A UFER GROUND CLOSE TO TEL BACKBOARD. RUN 1/2" WITH 1#6 GROUND FROM BACKBOARD TO UFER GROUND. RUN 3/4" WITH 1#6 BONDING JUMPER BETWEEN THE TELEPHONE GROUNDING ELECTRODE AND THE POWER GROUNDING ELECTRODE SYSTEM AT MAIN SWITCHBOARD. RUN FOUR 4" UP INTO ATTIC FOR RUNNING OF TEL AND DATA CABLES.
- FUTURE MAIN SWITCHBOARD 'MS3' FOR FUTURE BUS EV CHARGERS. SHOWN FOR REFERENCE ONLY.
- FUTURE PG&E PAD MOUNTED TRANSFORMER FOR FUTURE MAIN SWITCHBOARD 'MS3'. SHOWN FOR REFERENCE ONLY.
- STUBOUT CONDUIT FOR FUTURE TRANSFORMER. STUB INTO THE FUTURE TRANSFORMER'S PRIMARY WINDOW.
- PG&E SERVICE PULL BOX SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR, PER SERVING POWER COMPANY'S REQUIREMENT. VERIFY LOCATION AND REQUIREMENT PRIOR TO BIDDING.
- LCP #1 TO BE PROVIDED BY MODULAR BUILDING SUPPLIER. PROVIDE ADDITIONAL RELAYS TO CONTROL EXTERIOR LIGHTING CIRCUITS EV2-10,12,14,16,18 FOR TIME CLOCK ON, TIME CLOCK OFF.
- 1" - 3#10 + 1#10 GROUND; TWO 1-1/4" SPARE WITH PULL WIRE.
- STUBOUT 3/4" WITH PULL WIRE FROM POLE LIGHT FOR FUTURE TELLUS LIGHTING. LEAVE WIRES CAPPED IN TAGGED IN UPSTREAM POLE LIGHT.
- TYPE 'S4' FIXTURES SHALL BE FLUSH GROUND MOUNTED FLOOD LIGHT. PROVIDE CONCRETE BASE FOR SUPPORT. AIM LIGHTS AT FLAG AS DIRECTED BY OWNER. LIGHT FIXTURES SHALL BE CONTROLLED BY LIGHTING CONTROL PANEL FOR ON AT SUNSET, OFF AT SUNRISE.
- TYPE 'SS' FIXTURES SHALL BE FLUSH GROUND MOUNTED FLOOD LIGHT. PROVIDE CONCRETE BASE FOR SUPPORT. AIM LIGHTS AT WALL SIGN AS DIRECTED BY OWNER. LIGHT FIXTURES SHALL BE CONTROLLED BY LIGHTING CONTROL PANEL FOR ON AT SUNSET, OFF AT SUNRISE.
- 3/4" - 2#10 + 1#10 GND.
- 3/4" - 3#10 + 1#10 GND.

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MOT BUILDING

FOR:

FAIRFAX SCHOOL DISTRICT

6327 ZEPHYR LANE,
BAKERSFIELD, CA 93307

MARK	DATE	DESCRIPTION
	01-31-2025	
△	04/29/2025	PLAN CHECK REVISIONS
△	06/10/2025	ADDENDUM

JOB NUMBER:
2314.00

CAD DRAWING FILE:
2314 Fairfax DO - DD27

DRAWN BY:
CH

CHECKED BY:
AG

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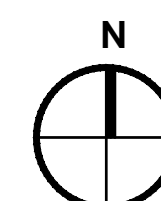
SHEET TITLE

SITE
ELECTRICAL
PLAN

SHEET IDENTIFICATION NUMBER

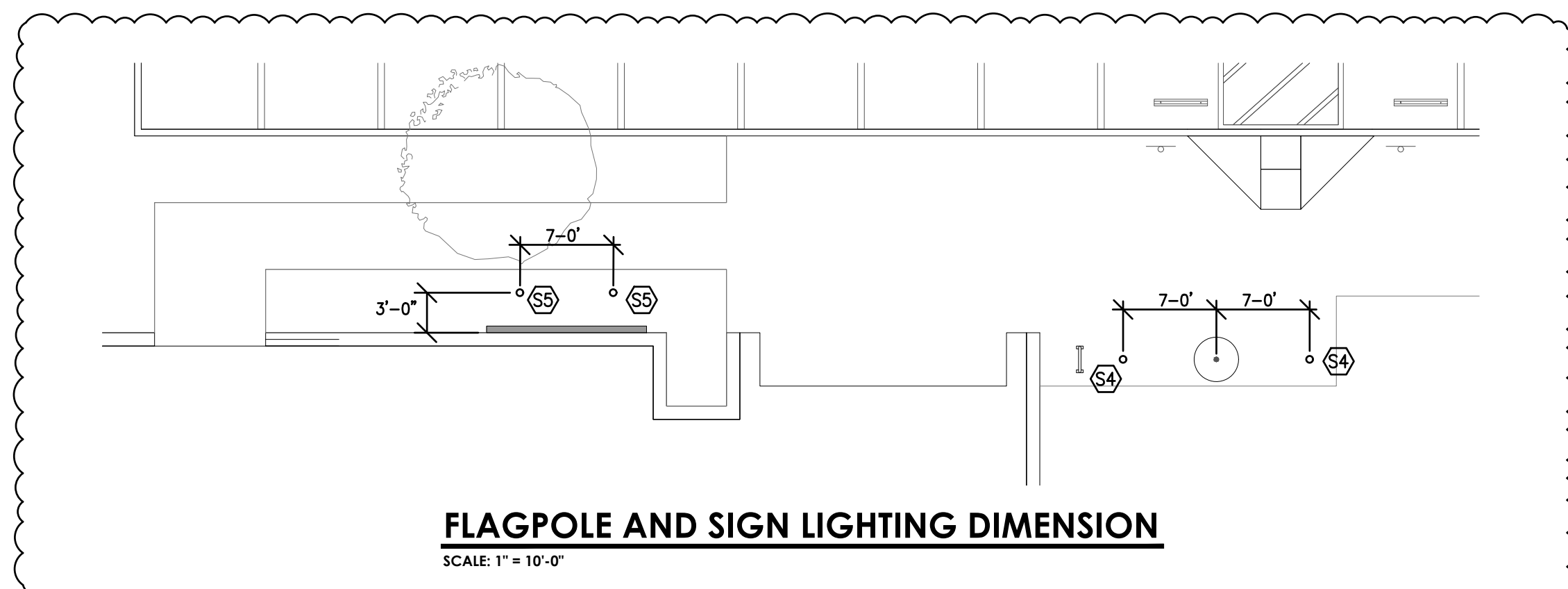
E-100

SITE ELECTRICAL PLAN
SCALE: 1" = 30'-0"



CHEN
ENGINEERS, INC.
Electrical Engineering Services
729 W. Enterprise Avenue
Clovis, California 93619
Tel (559) 578-6049

FLAGPOLE AND SIGN LIGHTING DIMENSION
SCALE: 1" = 10'-0"

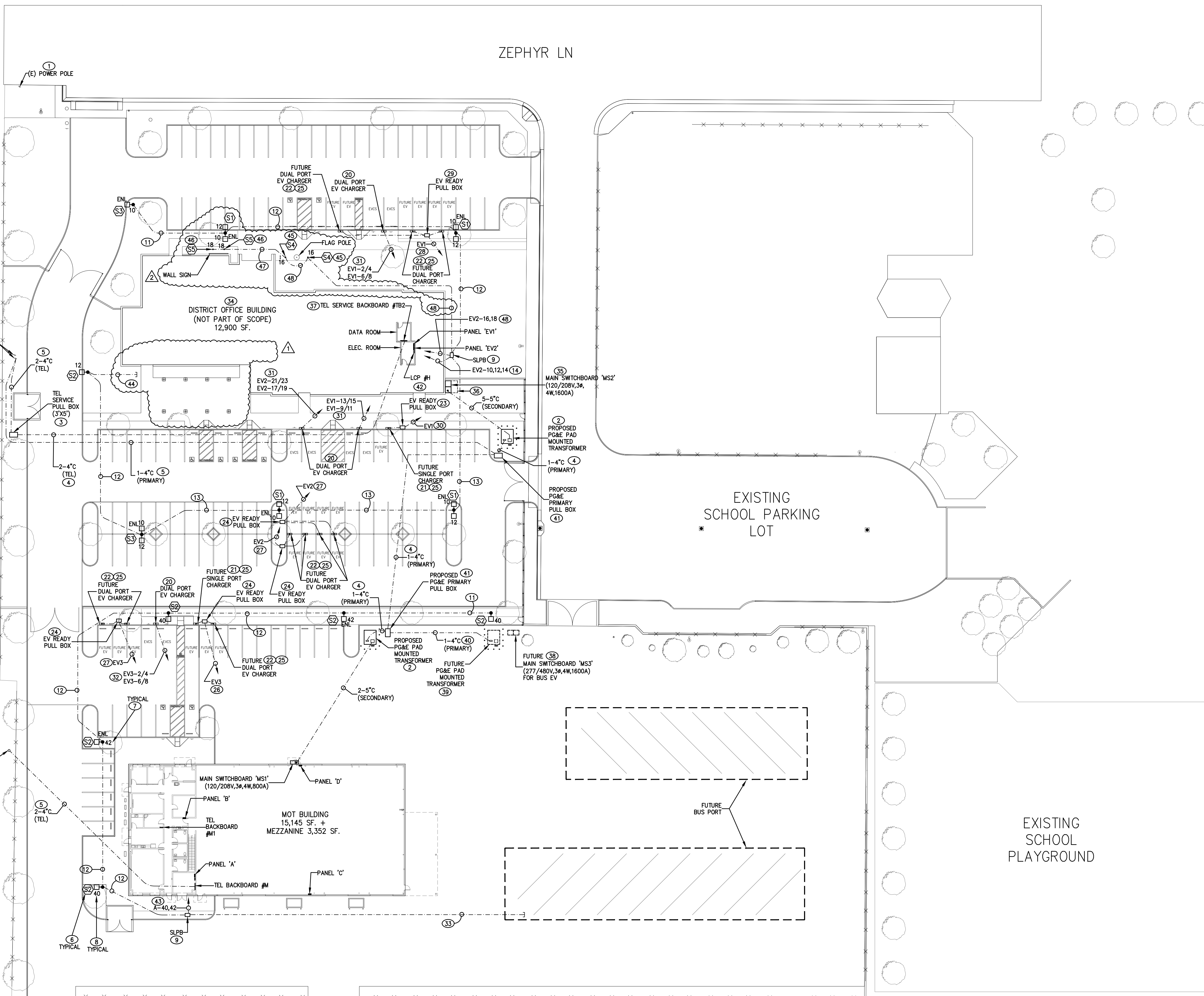


EXISTING RESIDENTIAL

EXISTING
SCHOOL PARKING
LOT

EXISTING
SCHOOL
PLAYGROUND

EXISTING SOLAR FIELD



LIGHTING CONTROL PANEL #A NOTES:

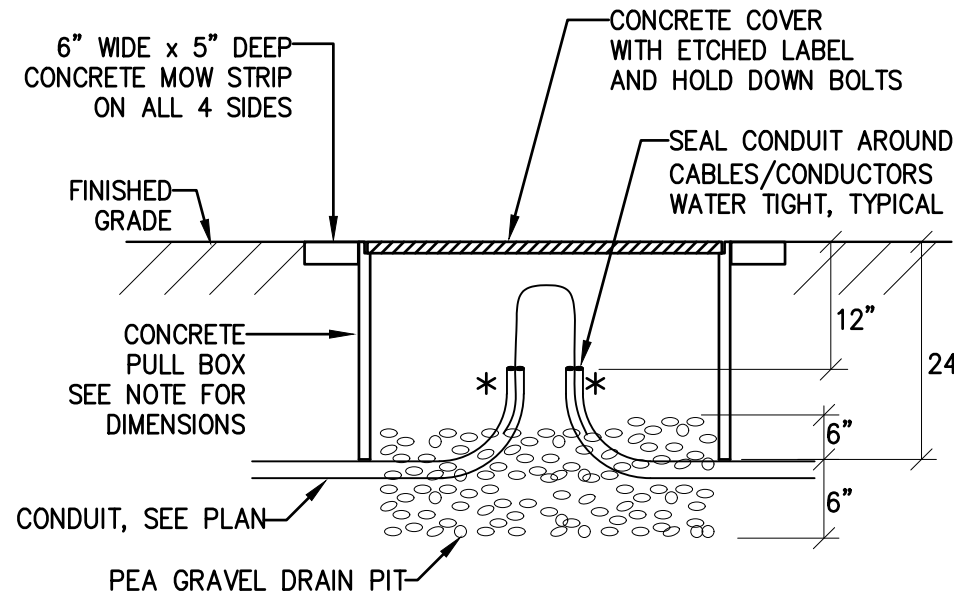
1. LIGHTING CONTROL PANEL #A SHALL BE PROGRAMMABLE TIMECLOCK FOR CONTROL OF INTERIOR AND EXTERIOR LIGHTING CIRCUITS. TIMECLOCK SHALL BE FLUHT ARP-INTNC-32-NLT-16FOR-MVOLT-1VB-HLK-SFM WITH 16 RELAYS. FLUSH MOUNT IN WALL. CONTROL PANEL SHALL BE CERTIFIED TO COMPLY WITH CALIFORNIA ENERGY COMMISSION TITLE 24 REQUIREMENT.
- WIRE EIGHT RELAYS TO CONTROL INTERIOR LIGHTING CIRCUITS #2,4,6,8,33,35,37,39 IN PANEL 'A' FOR TIME CLOCK ON, TIME CLOCK OFF.
- WIRE TWO RELAYS TO CONTROL EXTERIOR LIGHTING CIRCUIT #38,40 IN PANEL 'A' FOR TIME CLOCK ON, TIME CLOCK OFF. SET FOR ON AT SUNSET, OFF AT 9PM OR AS DIRECTED BY OWNER.
- WIRE THREE RELAYS TO CONTROL EXTERIOR LIGHTING AND #36,42 IN PANEL 'A' FOR TIME CLOCK ON, TIME CLOCK OFF. SET FOR ON AT SUNSET, OFF AT SUNRISE.
- NINE RELAYS SHALL BE SPARE.
- RUN TWO 1-1/4" FROM CONTROL CABINET TO PANEL 'A' WITH WRING FOR CONTROL OF LIGHTING CIRCUITS.
- RUN 3/4" WITH ONE CATSE CABLE TO TEL BACKBOARD FOR COMMUNICATION.
2. PROVIDE COMPLETE DEMAND RESPONSE SYSTEM. VERIFY ALL SYSTEM COMPONENTS WITH EQUIPMENT SUPPLIER. PROVIDE SHOP DRAWING FOR REVIEW.
- 2A. PROVIDE SYSTEM CONTROLLER NUGHT #NECY-MVOLT-BAC-ENC-OFXK. NUGHT ECLYPE, 120-277V, BACNET, 14-1/4"X 14-1/4"X 4"D METAL ENCLOSURE FOR NUGHT ECLYPE. NGWY2-QFX AND PS 150 POWER SUPPLY WITH CATSE CABLE.
- 2B. PROVIDE NADR-L400 SYSTEM INTERFACE OPEN ADR DEMAND RESPONSE CLIENT INTERFACE.
- 2C. PROVIDE BRIDGE NUGHT #NGRC-8-KIT. PROVIDE QUANTITIES AS REQUIRED FOR CONTROL OF INTERIOR LIGHTS BY DEMAND RESPONSE SYSTEM. PROVIDE ALL CONDUIT AND CABLING AS REQUIRED.
- 2D. PROVIDE NUGHT #NIO-BT NUGHT DEVICE, BLUETOOTH LOW ENERGY COMMUNICATION MODULE.
- 2E. PROVIDE NUGHT #NIO-X-KIT NUGHT DEVICE, EXTERNAL TOUCH PANEL INTERFACE, KIT.

ELECTRICAL MATERIAL SPECIFICATIONS:

- CONDUITS:
1. ALL UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40. ALL UNDERGROUND CONDUITS RUN UNDERNEATH BLDGS SHALL BE RUN BELOW SLAB. ALL UNDERGROUND CONDUITS RUN OUTSIDE OF BLDGS SHALL HAVE MIN 24" COVER.
2. ALL UTILITY SERVICE CONDUITS SHALL BE INSTALLED PER UTILITY COMPANY'S REQUIREMENT.
3. ALL CONDUITS IN BLDGS SHALL BE CONCEALED IN WALL OR ATTICS. CONDUITS SHALL BE EMT, OR METALLIC FLEX CONDUITS FOR CONNECTION TO LIGHTING FIXTURES IN SUSPENDED ACCESSIBLE CEILINGS, MOTORS OR MOTORIZED EQUIPMENT.
4. ALL CONDUITS RUN ON ROOF OR EXPOSED TO WEATHER SHALL BE EMT OR LIQUID-TIGHT FLEX CONDUITS WITH WATER-TIGHT CONNECTION AND FITTINGS.
5. ALL CONDUIT PENETRATION THROUGH ROOF SHALL HAVE ROOF JACKS WITH LEAD FLASHINGS FOR WATER-TIGHT INSTALLATION.
- CONDUCTORS: ALL CONDUCTORS SHALL BE THIN/THWN-2, COPPER, 90-DEGREES CELSIUS TEMPERATURE RATED CONDUCTOR.
- OUTLET BOXES: ALL OUTLETS SHALL BE STANDARD ONE OR TWO PIECE GALVANIZED STEEL KNOCK-OUT OUTLET BOXES.
- CONVENIENCE OUTLETS: 15A/20A 3P GROUNDING DUPLEX RECEPTABLES WITH WHITE FINISH.
- ALL 120V 15 AMPS AND 20 AMP GFI RECEPTABLES INSTALLED IN DAMP OR WET EXTERIOR LOCATIONS SHALL BE WEATHER-RESISTANT TYPE. RECEPTABLE SHALL HAVE "WEATHERPROOF WHILE IN USE EXTRA-DUTY COVER".
- LIGHT SWITCHES: 15A/20A QUIET TYPE, MATCH RECEPTABLE'S FINISH.
- WALL PLATES: SMOOTH LINE PLASTIC WITH WHITE FINISH.
- DISCONNECT SWITCHES: HORSEPOWER RATED FUSIBLE TYPE WITH EXTERNAL OPERABLE HANDLE. U.O.N. FUSES SHALL BE DUAL ELEMENT TYPE AS RECOMMENDED BY EQUIPMENT SUPPLIER.
- FIRE RATED AREAS: WHERE LIGHT FIXTURES, CONDUIT, CABINETS, OR BOXES PENETRATE FIRE RATED CEILINGS, WALLS OR FLOORS PROVIDE A FIRE RATED ENCLOSURE AND/OR FIRE STOP. RATING OF ENCLOSURE AND/OR FIRE STOP SHALL MATCH OR EXCEED RATING OF AREA PENETRATED. VERIFY LOCATION OF FIRE RATED AREAS WITH ARCHITECTURAL DRAWINGS AND WITH GENERAL CONTRACTOR. SUBMIT METHOD OF FIRE STOPPING TO BUILDING INSPECTOR FOR APPROVAL PRIOR TO INSTALLATION.
- ELECTRICAL BOXES (MAXIMUM 16 SQUARE INCHES) INSTALLED IN OPPOSITE SIDES OF RATED WALLS SHALL BE SEPARATED BY MINIMUM 24" HORIZONTALITY.
- MC CABLE WITH AN INTERNAL GROUND BOND MAY BE USED ONLY WHERE USE OF EMT OR FLEX IS NOT PRACTICAL OR POSSIBLE E.G. IN MILLWORK, ETC. MC CABLE SHALL NOT BE UTILIZED FOR ANY BRANCH CIRCUITRY IN THIS BUILDING.

FIXTURE SCHEDULE									
TYPE	WATT	LAMP	VOLT	MANUFACTURER	CATALOG No.	MTG	NOTES		
A	38	LED	120	LITHONIA	2BLT4-4BL-ADSM-EZ1-LP840-N100	REC.	10W INTEGRAL EMERGENCY BATTERY PACK	①	
AE					2BLT4-4BL-ADSM-EZ1-LP840-N100-E10WLCP				
B	31				2BLT4-4BL-ADSM-EZ1-LP840-N100				
BE					2BLT4-4BL-ADSM-EZ1-LP840-N100-E10WLCP				
C	38				2BLT2-4BL-ADSM-EZ1-LP840-N100		10W INTEGRAL EMERGENCY BATTERY PACK	①	
CE					2BLT2-4BL-ADSM-EZ1-LP840-N100-E10WLCP				
D	45				STL4-4BL-EZ1-LP840	SURF.		①	
E1	4				L0M-S-W-3-R-120/277-ELN	CLG/WALL		①	
E3	10				LH0M-LED-R-H0	WALL		①	
F	41				SBL4-4800LM-80CRI-40K-MIN10-GZT-MVOLT	SURF.			
GE	34				ZL1H-L48-5000LM-FST-MVOLT-40K-80CRI-E10WCP-WH-HC36	CHAIN HUNG	10W INTEGRAL EMERGENCY BATTERY PACK	①	
H	215				IBE-L48-30000LM-ATC-MD-MVOLT-GZ10-40K-80CRI-DWH-IBAC120-M100	PEND.	15W INTEGRAL EMERGENCY BATTERY PACK	①	
HE					IBE-L48-30000LM-ATC-MD-MVOLT-GZ10-40K-80CRI-E15WLCP-DWH-IBAC120-M100				
J	10				L0M-40/10-L06-AR-LSS-MVOLT-GZ10	REC.			
K	215				IBE-L48-30000LM-ATC-MD-MVOLT-GZ10-40K-80CRI-LAOZU-DWH-IBAC120-M100	PEND.	15W INTEGRAL EMERGENCY BATTERY PACK	①	
KE					IBE-L48-30000LM-ATC-MD-MVOLT-GZ10-40K-80CRI-LAOZU-E15WLCP-DWH-IBAC120-M100				
SA	23	LED	120	LITHONIA	WGDE2-LED-P3-80CRI-VF-MVOLT-DOBXD	WALL	VERIFY FINISH WITH ARCHITECT		
SAE					WGDE2-LED-P3-80CRI-VF-MVOLT-DOBXD-E10WH		10W INTEGRAL EMERG BATTERY PACK	①	
SB	73				WGDE4-LED-P1-80CRI-R4-MVOLT-FIRM-DOBXD				
SC	14				0LLMU-LED-P1-48K-MVOLT-DOB		TRELLIS-LIGHTS	②	
S1	138	LED	208	LITHONIA	DSX1-LED-P5-40K-T4M-MVOLT-SPA-DOBXD-SSS-22-4G	POLE	VERIFY FINISH WITH ARCHITECT		
S2	(2) 138				TWO DSX1-LED-P5-40K-T4M-MVOLT-SPA-DOBXD-DMWS-SSS-22-4G				
S3	124				DSX1-LED-P4-40K-T2-MVOLT-SPA-HS-DOBXD-SSS-22-4G				
S4	46			HYDREL	M9720C-B-LED-P3-40K-MVOLT-NSP-FLC10SR-34B-DNA	GND.		③ ⑤	
S5	35				M9720C-B-LED-P2-40K-MVOLT-NSP-FLF-34B-DNA			④ ⑤	

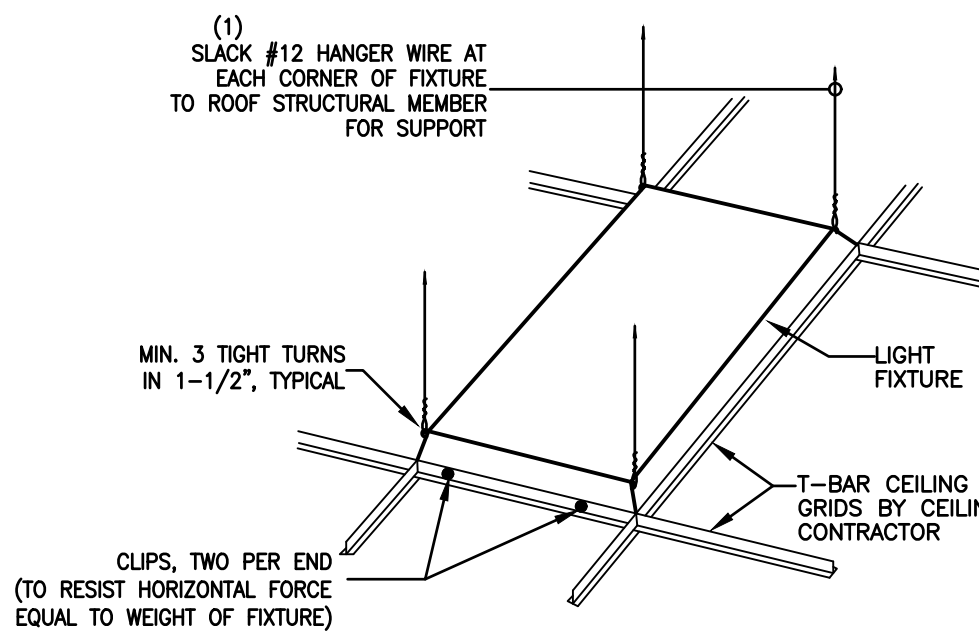
- ① ALL EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE PROVIDED FOR A MINIMUM OF 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES AND SHALL BE IN ACCORDANCE WITH CBC CHAPTER 27.
- ② PROVIDE FULLY WEATHERPROOF FIXTURE AT TRELLIS COLUMNS. VERIFY FIXTURE SELECTION.
- ③ VERIFY THE LENSE REQUIRED FOR AIMING AT 35-FT FLAGPOLE WITH FIXTURES 6-FT FROM POLE.
- ④ VERIFY THE LENSE REQUIREMENT FOR WALL WASHING UP TO 10-FT HIGH SIGN WITH FIXTURE 3-FT FROM SIGN.
- ⑤ PROVIDE ACCESSORIES AS REQUIRED FOR MOUNTING OF FLUSH GROUND MOUNTED FLOOD LIGHT.



PULL BOX DETAIL

NTS

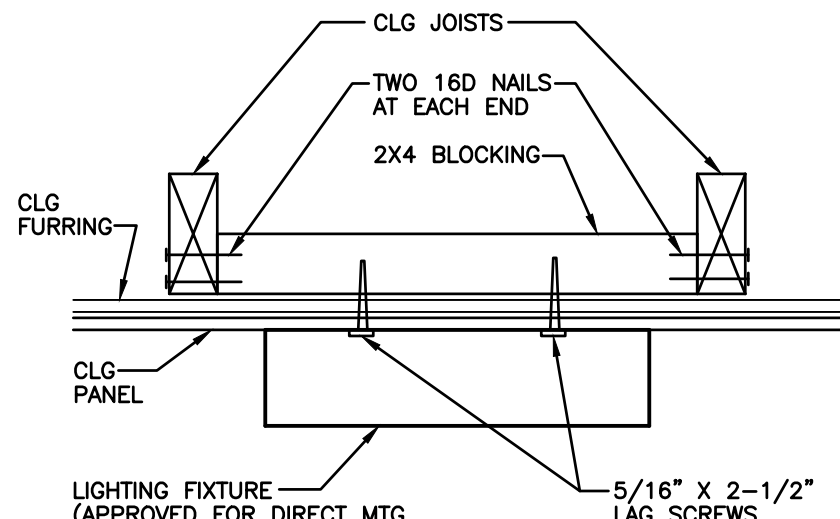
* TAG ALL CONDUITS AT BOTH ENDS TO IDENTIFY: SERVICE & ORIGIN/DESTINATION.



RECESSED FIXTURE MOUNTING

NTS

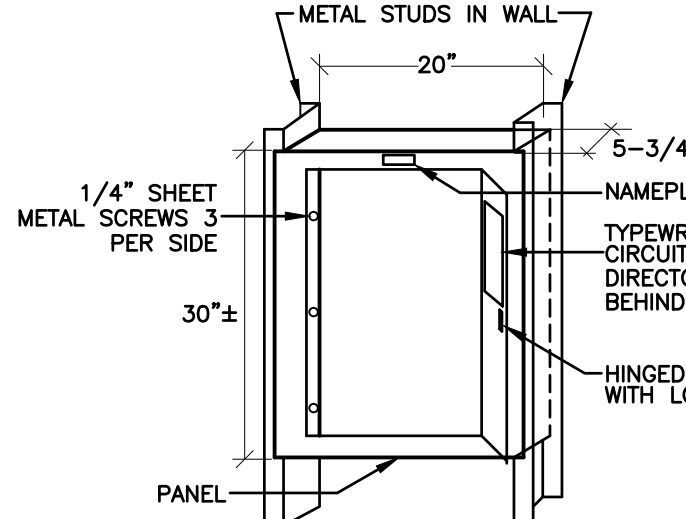
(1) PROVIDE TWO HANGER WIRES AT OPPOSITE CORNERS FOR HEAVY DUTY RATED CEILING SYSTEM. PROVIDE FOUR TAUT #12 WIRES, ONE AT EACH CORNER, FOR INTERMEDIATE RATED CEILING SYSTEM OR IF THE FIXTURE WEIGHS MORE THAN 56 POUNDS.



SURFACE FIXTURE MTG

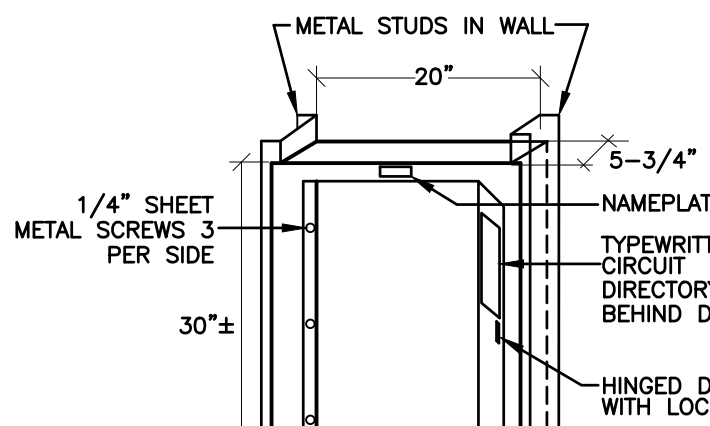
NTS

(FOR WOOD CLG, PROVIDE SUPPORT AS INDICATED AT EACH END OF FIXTURE.)



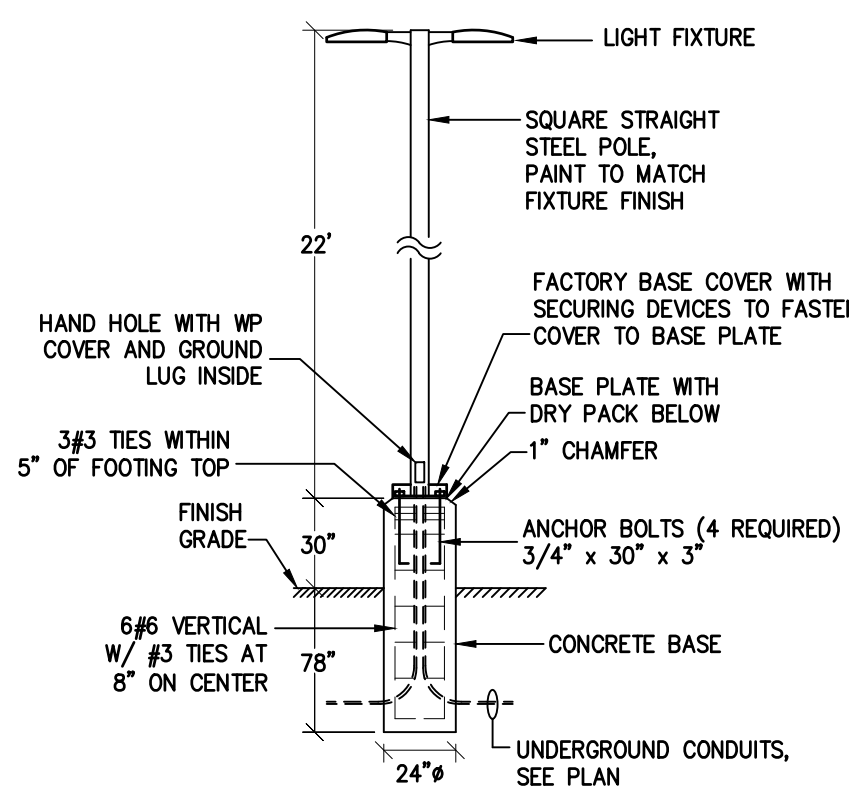
FLUSH PANEL MTG

NTS



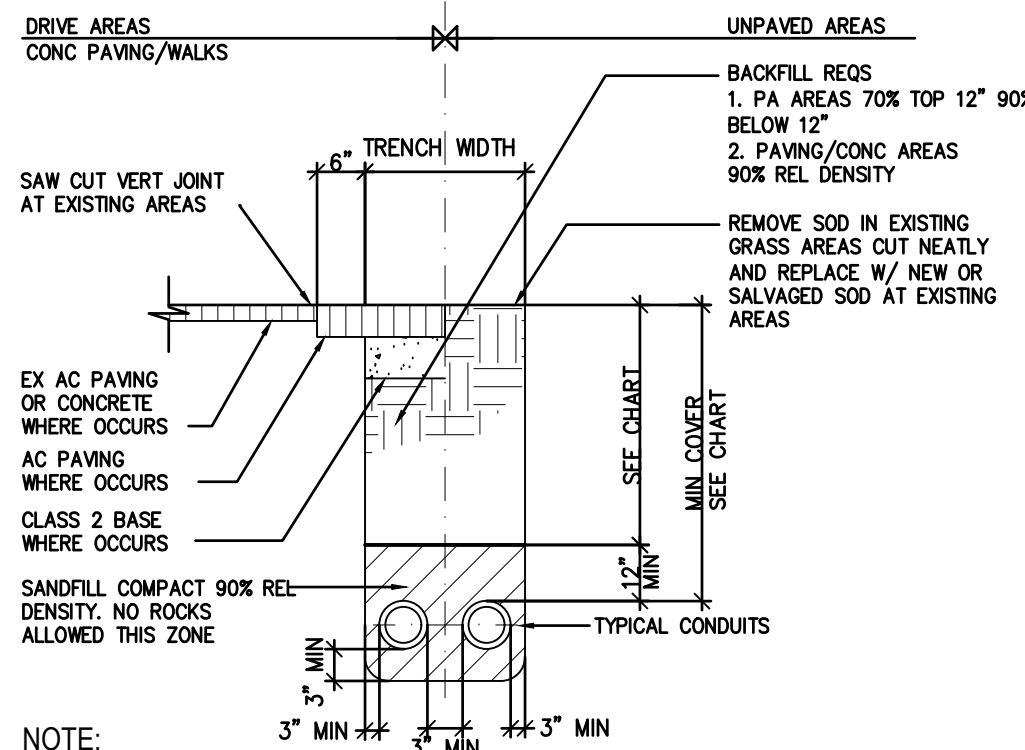
FLUSH PANEL MTG

NTS



POLE LIGHT DETAIL

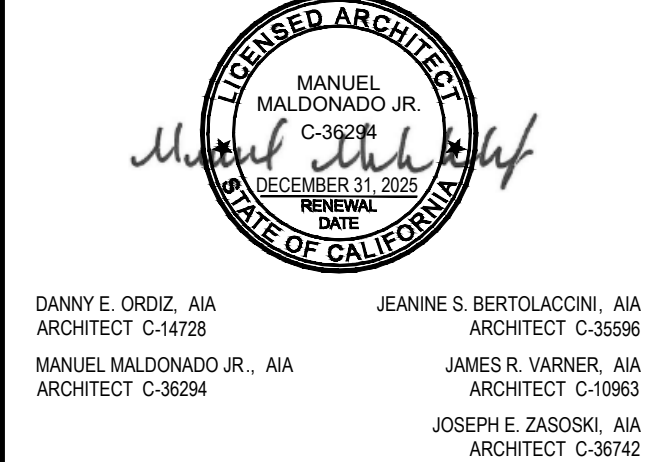
NTS



UTILITY TRENCH DETAIL

NTS

ELECTRICAL SYMBOLS	
	DENOTES LIGHTING FIXTURE TYPE
	ELECTRICAL HOMERUN (TO PANEL A, CIRCUIT #3), 3/4" MINIMUM, U.O.N.
	CONDUIT RUN IN WALL / ATTIC
	CONDUIT RUN IN FLOOR OR UNDERGROUND
	CONDUIT RUN IN WALL / ATTIC
	CONDUIT RUN IN FLOOR OR UNDERGROUND
	FLEXIBLE CONDUIT CONNECTION
	ELECTRICAL PANEL
	TERMINAL CABINET
	DUPLEX RECEPTACLE IN WALL (+15" BOTTOM OF BOX AFF)
	QUADRUPLEX RECEPTACLE IN WALL (+15" BOTTOM OF BOX AFF)
	220V, 20A, 2P, 3W RECEPTACLE IN WALL (+15" BOTTOM OF BOX AFF)
	SPECIAL OUTLET AS NOTED ON DRAWING (+15" BOTTOM OF BOX AFF)
	TELEPHONE OUTLET IN WALL (+15" BOTTOM OF BOX AFF)
	COMBINATION TELEPHONE/DATA OUTLET, (+15" BOTTOM OF BOX AFF)
	DATA OUTLET, (+15" BOTTOM OF BOX AFF)
	FLUSH FLOOR BOX
	FLUSH FLOOR BOX WITH ELECTRICAL DEVICE AS INDICATED
	JUNCTION BOX
	JUNCTION BOX WITH FLEX CONNECTION
	MOTOR OUTLET
	FUSED DISCONNECT SWITCH, BY ELECTRICAL CONTRACTOR, U.O.N.
	CEILING MOUNTED LIGHTING FIXTURE WITH LIGHTING OUTLET
	WALL MOUNTED LIGHTING FIXTURE WITH LIGHTING OUTLET
	RECESSED MOUNTED LIGHTING FIXTURE WITH LIGHTING OUTLET
	LIGHTING FIXTURE
	LIGHTING FIXTURE WITH LIGHTING OUTLET
	*1" DENOTES CIRCUIT NUMBER, "0" DENOTES SWITCHING SINGLE POLE SWITCH (+48" TOP OF BOX AFF)
	3-WAY SWITCH (+48" TOP OF BOX AFF)
	TWO SINGLE POLE SWITCHES,GANGED IN SAME BOX (+48" TOP OF BOX AFF)
	TELEVISION OUTLET (+15" U.O.N.)
	PHOTOCONTROL (ROOF MOUNTED, U.O.N.)
	ELECTRICAL NOTE #1 (REFER TO ELECT NOTES ON SAME SHEET)
	WP WEATHERPROOF
	U.O.N. UNLESS OTHERWISE NOTED
	NL NIGHT LIGHT (LIGHT TO REMAIN ON 24/7)
	ENL EXTERIOR NIGHT LIGHT (CONTROLLED VIA PHOTOCELL ON, PHOTOCELL OFF)
	GFI GROUND FAULT CIRCUIT INTERRUPTER
	AFF ABOVE FINISHED FLOOR
	(E) EXISTING
	EXTERIOR WALL MOUNTED WP EMERGENCY LIGHT
	WALL DIMMER SWITCH WITH OCCUPANCY SENSOR, (+48" TOP OF BOX AFF)
	LIGHTING CONTROL OCCUPANCY SENSOR, (+48" TOP OF BOX AFF)
	DIMMER SWITCH, (+48" TOP OF BOX AFF)
	VACANCY SENSOR SWITCH, (+48" TOP OF BOX AFF)
	TIMER SWITCH, (+48" TOP OF BOX AFF)
	KEYED SWITCH, (+48" TOP OF BOX AFF)
	LIGHTING CONTROL OCCUPANCY SENSOR, CEILING MOUNTED
	AUTOMATIC DAYLIGHTING SENSOR, CEILING MOUNTED
	LIGHTING CONTROL POWER PACK, ACCESSIBLE ATTIC
	PLUG LOAD POWER PACK, ACCESSIBLE ATTIC
	POWER OUTLET WITH ONE CONTROLLED DUPLEX RECEPTACLE AND ONE NON-CONTROLLED DUPLEX RECEPTACLE (+15" BOTTOM OF BOX A.F.F.)
	EMERGENCY EXIT SIGN, CEILING MOUNTED
	EMERGENCY EXIT SIGN WITH TWIN HEADS, WALL MOUNTED
	FIXTURE WITH EMERGENCY BATTERY PACK
	POLE LIGHT WITH SINGLE FIXTURE
	POLE LIGHT WITH TWIN FIXTURE



MOT BUILDING

FOR:

FAIRFAX SCHOOL DISTRICT

6327 ZEPHYR LANE,
BAKERSFIELD, CA 93307

MARK	DATE	DESCRIPTION
	01-31-2025	
△	04/29/2025	PLAN CHECK REVISIONS
△	06/10/2025	ADDENDUM

JOB NUMBER:
2314.00

CAD DRAWING FILE:
2314 Fairfax DO - DD27

DRAWN BY:
CH

CHECKED BY:
AC

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. THE DRAWINGS, IDEAS, AND DESIGNS REPRESENTED ON THIS SHEET ARE THE PROPERTY OF THE ARCHITECT.

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A PROFESSIONAL CORPORATION

SHEET TITLE

SYMBOLS,
SCHEDULES,
DETAILS

SHEET IDENTIFICATION NUMBER

E-300



CHEN
ENGINEERS, INC.
Electrical Engineering Services
729 W. Enterprise Avenue
Clovis, California 93619
Tel (559) 578-6049

120/208 VOLTS 3 PHASE 4 WIRE									
400 A. BUSSING NO. A. MAIN BREAKER									
54 CIRCUIT									
COPPER BUS									
PANEL D									
42K (SERIES) BREAKER A.I.C.									
6" X 20" MAX. ENCL. DEPTH & WIDTH									
SURFACE MOUNTING									
PANELBOARD									
CIR NO.	BKR NO.	LOAD (VA)	DESCRIPTION	DESCRIPTION	LOAD (VA)	BKR NO.	CIR NO.	LOAD (VA)	DESCRIPTION
NO.	NO.	PHASE A	PHASE B	PHASE C	PHASE A	PHASE B	PHASE C	NO.	NO.
1	15	3	828	EF-1, 1.5HP	EV CHARGER	3600	40	2	2
3	3		828			3600	40	2	4
5	5		828		EV CHARGER	3600	40	2	6
7	15	3	828	EF-2, 1.5HP		3600	40	2	8
9	9		828		EV CAPABLE	3600	40	2	10
11	11		828			3600	40	2	12
13	15	3	828	EF-3, 1.5HP	EV CAPABLE	3600	40	2	14
15	15		828			3600	40	2	16
17	17		828		EV CAPABLE	3600	40	2	18
19	50	2	1000	50A 250V RECEPTACLE		3600	40	2	20
21	21		1000		EV CAPABLE	3600	40	2	22
23	50	2	1000	50A 250V RECEPTACLE		3600	40	2	24
25	25		1000		RECEPTACLES-SHOP NORTH, EAST	720	20	1	26
27	50	2	1000	50A 250V RECEPTACLE		120	28	2	28
29	29		1000		RECEPTACLES-EXTERIOR EAST				30
31	50	2	1000	50A 250V RECEPTACLE		1000	30		32
33	33		1000		MOTORIZED DOOR				34
35	20	1		SPARE	RECEPTACLES-NORTH	540	36		36
37	37				SPARE				38
39	39								40
41	41								42
43	43								44
45	45								46
47	47								48
49	49								50
51	51								52
53	53								54
PHASE A = 19120 VA, PHASE B = 18520 VA, PHASE C = 17940 VA									
TOTAL CONNECTED (55580 VA) + 25% LCL (- VA) = 55580 VA (154 AMP)									

- (1) PROVIDE LOCK-OFF DEVICE AT BREAKER HANDLE FOR SERVICING OF EQUIPMENT.
 (2) PROVIDE BREAKER TIE FOR MULTIWIRE BRANCH CIRCUITS.
 (3) PROVIDE CLASS 'A' GFCI TYPE CIRCUIT BREAKER.
 120-VOLT CIRCUIT ON GFCI BREAKER REQUIRES ITS OWN NEUTRAL.

120/208 VOLTS 3 PHASE 4 WIRE									
225 A. BUSSING NO. A. MAIN BREAKER									
42 CIRCUIT									
COPPER BUS									
PANEL C									
42K (SERIES) BREAKER A.I.C.									
6" X 20" MAX. ENCL. DEPTH & WIDTH									
SURFACE MOUNTING									
PANELBOARD									
CIR NO.	BKR NO.	LOAD (VA)	DESCRIPTION	DESCRIPTION	LOAD (VA)	BKR NO.	CIR NO.	LOAD (VA)	DESCRIPTION
NO.	NO.	PHASE A	PHASE B	PHASE C	PHASE A	PHASE B	PHASE C	NO.	NO.
1	50	3	2640	EC-3, 7.5A	EC-1, 7.5A	2640	50	3	2
3	3		2640			2640	40	2	4
5	5		2640			2640	40	2	6
7	20	3	1320	HR-1, 3HP	EC-2, 7.5A	2640	50	3	8
9	9		1320			2640	40	2	10
11	11		1320			2640	40	2	12
13	50	2	1000	50A 250V RECEPTACLE WP	250V RECEPTACLE	1000	20	2	14
15	15		1000			1000	20	2	16
17	50	2	1000	50A 250V RECEPTACLE	SPARE		20	1	18
19	19		1000				20		20
21	50	2	1000	50A 250V RECEPTACLE			22		22
23	23		1000				24		24
25	20	1	700	RECEPTACLES-SHOP SOUTH, EAST			26		26
27	27		360	RECEPTACLES-VEHICLE WASH			28		28
29	29		1000	MOTORIZED DOOR			30		30
31	31		1000				32		32
33	33		1000		RECEPTACLES-SHOP SOUTH		36		36
35	35		900				38		38
37	37						40		40
39	39						42		42
41	41								
PHASE A = 13960 VA, PHASE B = 13600 VA, PHASE C = 12240 VA									
TOTAL CONNECTED (39800 VA) + 25% LCL (- VA) = 39800 VA (111 AMP)									

- (1) PROVIDE BREAKER TIE FOR MULTIWIRE BRANCH CIRCUITS.
 (2) PROVIDE CLASS 'A' GFCI TYPE CIRCUIT BREAKER.
 120-VOLT CIRCUIT ON GFCI BREAKER REQUIRES ITS OWN NEUTRAL.

120/208 VOLTS 3 PHASE 4 WIRE									
200 A. BUSSING NO. A. MAIN BREAKER									
54 CIRCUIT									
COPPER BUS									
PANEL A									
42K (SERIES) BREAKER A.I.C.									
6" X 20" MAX. ENCL. DEPTH & WIDTH									
SURFACE MOUNTING									
PANELBOARD									
CIR NO.	BKR NO.	LOAD (VA)	DESCRIPTION	DESCRIPTION	LOAD (VA)	BKR NO.	CIR NO.	LOAD (VA)	DESCRIPTION
NO.	NO.	PHASE A	PHASE B	PHASE C	PHASE A	PHASE B	PHASE C	NO.	NO.
1	20	2	532	BIG FANS IN SHOP	LIGHTS-SHOP	645	20	1	2
3	3		532			645	40	2	4
5	20	2		BIG FANS IN SHOP		645	6		6
7	7		532			645	8		8
9	20	1		SPARE	LIGHTS-OFFICE	1300	10		10
11	11					1300	12		12
13	13		540	RECEPTACLES-ELECTRICAL ROOM	REF	1000	14		14
15	15		500	TEL BACKBOARD #M	G.D.	1000	16		16
17	17		540	RECEPTACLES-RESTROOM	D.W.	1000	18		18
19	25	1	2376	ERV-1, 19 BMCA	RECEPTACLES-BREAKROOM COUNTER	1000	20		20
21	21		200	FIRE ALARM CONTROL PANEL		1000	22		22
23	23		200	HVAC TIME CLOCK	RECEPTACLES-BREAKROOM	360	24		24
25	25		200	PELICAN WIRELESS GATEWAY	RECEPTACLES-BREAKROOM COUNTER	1000	26		26
27	30	2	2250	EMW	MICROWAVE	1000	28		28
29	29		2250			1000	30		30
31	20	1	540	RECEPTACLES-SHOP	LIGHTS-MEZZANINE	860	32		32
33	33		645	LIGHTS-SHOP	LCP #A	100	34		34
35	35		645		EXTERIOR LIGHTS	600	36		36
37	37		645			600	38		38
39	39		645		PARKING LOT LIGHTS	420	40		40
41	41		1000	PROJECTOR/SCREEN		420	42		42
43	43			SPARE	SPARE		44		44
45	45						46		46
47	47						48		48
49	49						50		50
51	51						52		52
53	53						54		54
PHASE A = 10776 VA, PHASE B = 9298 VA, PHASE C = 9998 VA									
TOTAL CONNECTED (30072 VA) + 25% LCL (3812 VA) = 33884 VA (94 AMP)									

- (1) PROVIDE BREAKER TIE FOR MULTIWIRE BRANCH CIRCUITS.
 (2) PROVIDE CLASS 'A' GFCI TYPE CIRCUIT BREAKER.
 120-VOLT CIRCUIT ON GFCI BREAKER REQUIRES ITS OWN NEUTRAL.
 (3) PROVIDE RED BREAKER WITH LOCK-ON DEVICE AT BREAKER HANDLE.

120/208 VOLTS 3 PHASE 4 WIRE											
225 A. BUSSING NO. A. MAIN BREAKER											
42 CIRCUIT											
COPPER BUS											
PANEL B											
42K (SERIES) BREAKER A.I.C.											
6-3/4" x 20" MAX. ENCL. DEPTH & WIDTH											
SURFACE MOUNTING											
PANELBOARD											
CIR NO.	BKR NO.	LOAD (VA)			DESCRIPTION	DESCRIPTION	LOAD (VA)			BKR NO.	CIR NO.
	AMP. POLE	PHASE A	PHASE B	PHASE C			PHASE A	PHASE B	PHASE C	AMP. POLE	
1	30	2	1976		ODU-1, 19MCA IDU-1	ODU-3, 10MCA IDU-3	1040			20	2
3	3		1976				1040			40	4
5	30	2		1976	ODU-2, 19MCA IDU-2	ODU-5, 19MCA IDU-5			1976	20	6
7	7		1976				1976			8	8
9	20	2	1040		ODU-4, 10MCA IDU-4	EDF	700			20	10
11	11		1040			COPIER			1000		12
13	20	1	1080		RECEPTACLES-CONFERENCE	RECEPTACLES-RECEPTION	720			14	14
15	15		540		RECEPTACLES-OFFICE	RECEPTACLES-WAITING	720			16	16
17	17		540		↓					18	18
19	19		700		REF-LAC	RECEPTACLES-LAC				20	20
21	21		540							22	22
23	23		100		CP-1					24	24
25	25		500		TEL BACKBOARD #M1					26	26
27	27	↑	180		RECEPTACLES-JANITOR					28	28
29	29									30	30
31	31									32	32
33	33									34	34
35	35									36	36
37	37									38	38
39	39									40	40
41	41									42	42
PHASE A = 9968 VA, PHASE B = 6736 VA, PHASE C = 6632 VA											
TOTAL CONNECTED (23336 VA + 25% LCL (-) VA = 23336 VA (65 AMP)											

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: MOT BUILDING FOR FAIRFAX SCHOOL DISTRICT
Report Page: NRCC-LTO-E (Page 7 of 9)
Date Prepared: 2025-06-12T12:07:36-04:00

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))
This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/ Table 170.2-8 while "Use it or lose it" Allowances are per Table 140.7-B/ Table 170.2-5.
Area Description: GENERAL HARDCAPE
Total General AWA + LWA (Watts): 3023.51

J. LIGHTING ALLOWANCE: PER APPLICATION
This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE
This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL
This section does not apply to this project.

Generated Date/Time: Documentation Software: Energy Code Ace
Report Version: 2022.0.000 Compliance ID: 260618-0625-0009
Schema Version: rev 20220101 Report Generated: 2025-06-12 09:07:39

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: MOT BUILDING FOR FAIRFAX SCHOOL DISTRICT
Report Page: NRCC-LTO-E (Page 8 of 9)
Date Prepared: 2025-06-12T12:07:36-04:00

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E.
Form/Title: NRCC-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E.
Form/Title: NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.

Generated Date/Time: Documentation Software: Energy Code Ace
Report Version: 2022.0.000 Compliance ID: 260618-0625-0009
Schema Version: rev 20220101 Report Generated: 2025-06-12 09:07:39

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: MOT BUILDING FOR FAIRFAX SCHOOL DISTRICT
Report Page: NRCC-LTO-E (Page 9 of 9)
Date Prepared: 2025-06-12T12:07:36-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.
Documentation Author Name: Richard Chen
Signature Date: 06-11-2025
Address: 729 W. ENTERPRISE AVENUE, CLOVIS, CA 93619

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 6 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 Designer Name: Richard Chen
Signature Date: 06-11-2025
Address: 729 W. ENTERPRISE AVENUE, CLOVIS, CA 93619

Generated Date/Time: Documentation Software: Energy Code Ace
Report Version: 2022.0.000 Compliance ID: 260618-0625-0009
Schema Version: rev 20220101 Report Generated: 2025-06-12 09:07:39

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: MOT BUILDING FOR FAIRFAX SCHOOL DISTRICT
Report Page: NRCC-LTO-E (Page 8 of 9)
Date Prepared: 2025-06-12T12:07:36-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e) all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below.
Designed Wattage: 3203.51

G. SHIELDING REQUIREMENTS (BUG)
This table includes fixtures of >=6,200 initial lumens indicated on Table F as needing to comply with Shielding Requirements.
01 02 03 04 05 06 07 08 09 10 11 12

H. OUTDOOR LIGHTING CONTROLS
This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application.
Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

Generated Date/Time: Documentation Software: Energy Code Ace
Report Version: 2022.0.000 Compliance ID: 260618-0625-0009
Schema Version: rev 20220101 Report Generated: 2025-06-12 09:07:39

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: MOT BUILDING FOR FAIRFAX SCHOOL DISTRICT
Report Page: NRCC-LTO-E (Page 6 of 9)
Date Prepared: 2025-06-12T12:07:36-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e) all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below.
Designed Wattage: 3203.51

Generated Date/Time: Documentation Software: Energy Code Ace
Report Version: 2022.0.000 Compliance ID: 260618-0625-0009
Schema Version: rev 20220101 Report Generated: 2025-06-12 09:07:39

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
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Project Name: MOT BUILDING FOR FAIRFAX SCHOOL DISTRICT
Report Page: NRCC-LTO-E (Page 1 of 9)
Date Prepared: 2025-06-12T12:07:36-04:00

A. GENERAL INFORMATION
01 Project Location (city): BAKERSFIELD
02 Climate Zone: 13
03 Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):
04 Total Illuminated Hardscape Area (ft²): 119148

B. PROJECT SCOPE
This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.
My Project Consists of:
01 New Lighting System
02 Must Comply with Allowances from 140.7 / 170.2(e)6

C. COMPLIANCE RESULTS
Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.
Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below.
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ordiz melby architects
a professional corporation
5500 King Avenue, Suite 280
Bakersfield, CA 93309
f. 660.832-4291

MOT BUILDING

FOR:

FAIRFAX SCHOOL DISTRICT

6327 ZEPHYR LANE, BAKERSFIELD, CA 93307

MARK	DATE	DESCRIPTION
	01-31-2025	
△	06/10/2025	ADDENDUM

JOB NUMBER: 2314.00

CAD DRAWING FILE: 2314 Fairfax DO - DD27

DRAWN BY: CH

CHECKED BY: AG

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. THE DRAWINGS, IDEAS, AND DESIGNS REPRESENTED ON THIS SHEET ARE THE PROPERTY OF THE ARCHITECT.

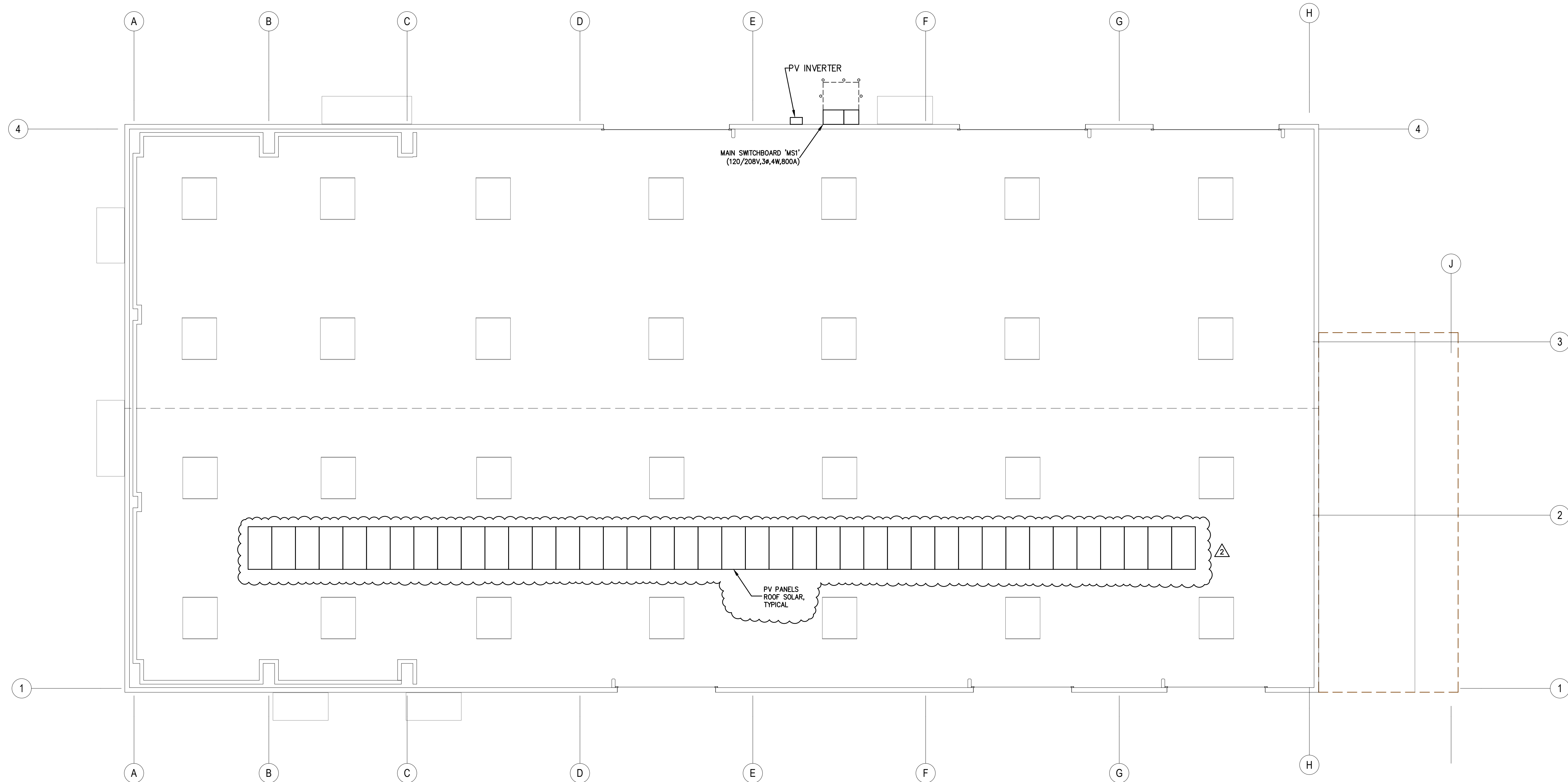
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SHEET TITLE

TITLE 24 COMPLIANCE DOCS.

SHEET IDENTIFICATION NUMBER

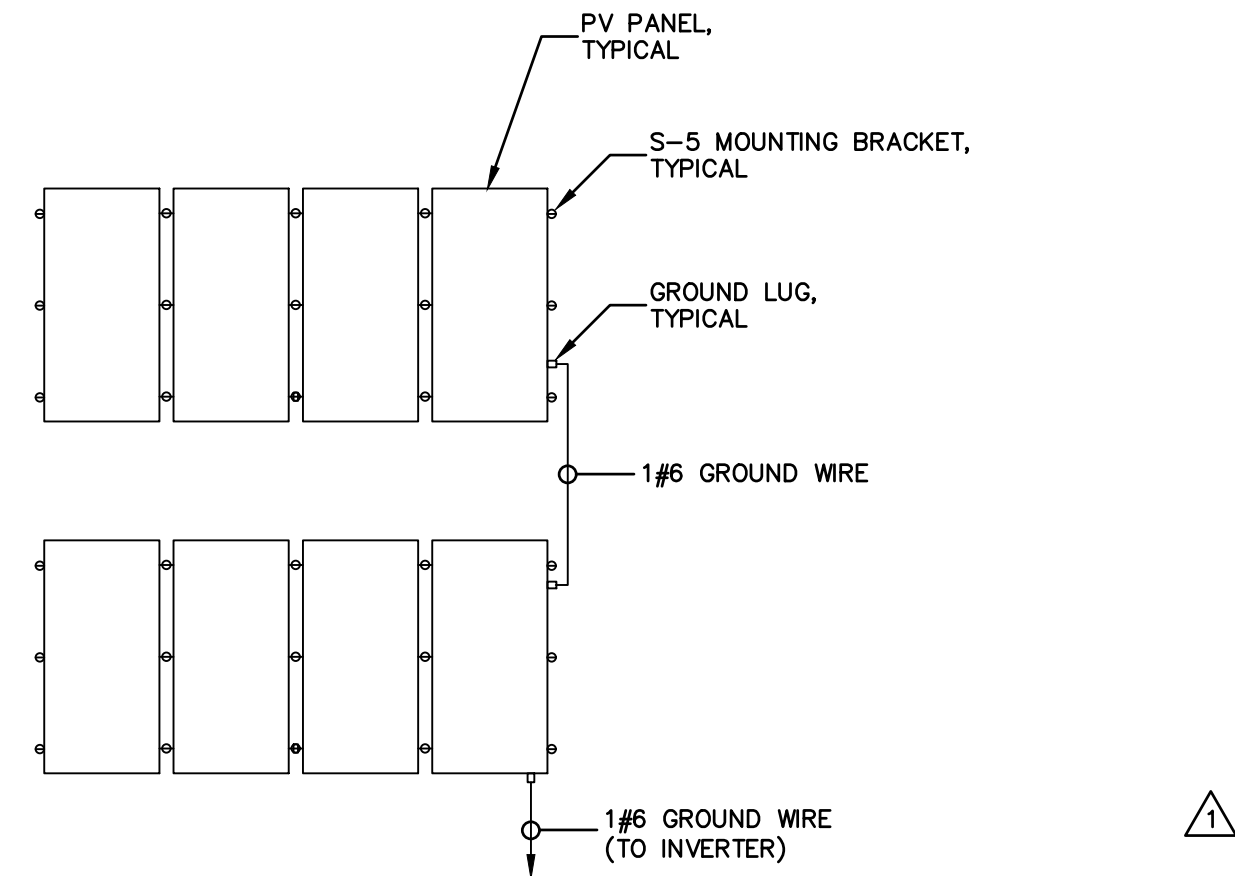
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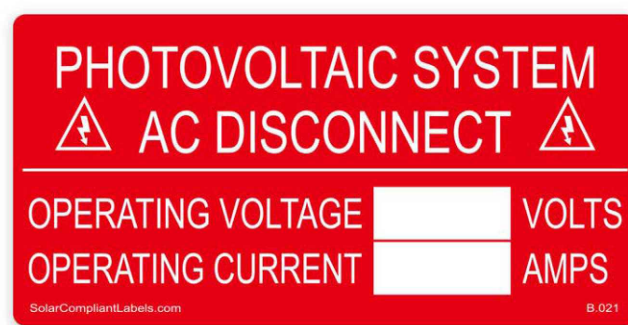
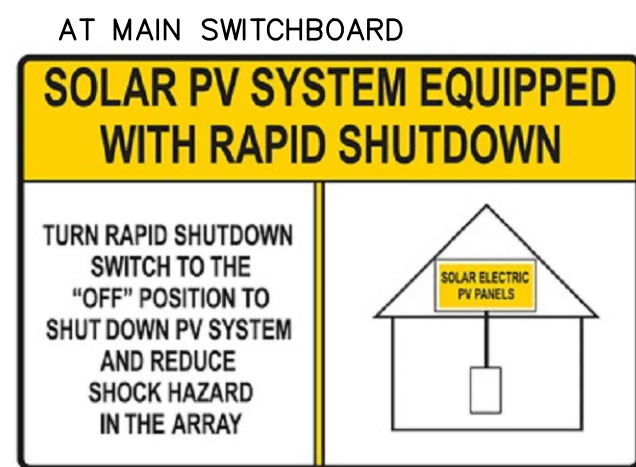
SCOPE OF WORK
SYSTEM SIZE: 16.2KWdc, 30KW AC
METAL ROOF PITCH 1.5:12
UV RESISTANT CABLE TIES USED FOR WIRE MANAGEMENT

GENERAL PV NOTES:
PV CONTRACTOR SHALL PROVIDE COMPLETE AND OPERATING PV SYSTEM.
PV CONTRACTOR SHALL PROVIDE COMPLETE MONITORING SYSTEM.
PV MODULES SHALL HAVE 25-YEAR WARRANTY.
PV INVERTER AND OPTIMIZERS SHALL HAVE 25-YEAR WARRANTY.
PV CONTRACTOR SHALL PROVIDE ALL CONDUIT, WIRING, CABLES, AND LABELS AS REQUIRED FOR A COMPLETE SYSTEM.
PV CONTRACTOR TO SET UP INVERTER EQUIPPED WITH RAPID SHUT DOWN (RSD), TO SHUT DOWN ALL BATTERIES AND INVERTER WITH A PUSH OF A BUTTON.

SYSTEM SUMMARY:
(1) AC DISCONNECT: SQUARE-D 200A/3P, 100A FUSES, NEMA 3
(1) SOL-ARK INVERTER: 30K-3P-208V
(40) PV MODULES: Q.PEAK DUO BLK ML-G10+ 405W
(40) SOL-ARK OPTIMIZER: 0900-80V (MODULE LEVEL RAPID SHUTDOWN)
MOUNTING BRACKET: S-5 RIBBRACKET WITH S-5-PV KIT.
MISC: UL LISTED ELECTRICAL COMPONENTS AND PARTS AS NEEDED.



PV PANEL GROUNDING NOTES AND DETAIL:
1. USE QIMS UL 2703 LISTED OR RECOGNIZED GROUNDING LUGS CERTIFIED FOR FRAME THICKNESS OR THE MODULE BEING USED WITH A 35 A FUSE RATING OR LESS. (FOR EXAMPLE: BURNDY BTGCG4 OR HEYCO S6527)
2. THIS GROUND LUG MUST BE UTILIZED IN CONJUNCTION WITH A GROUND WIRE TO CONNECT ADJACENT ROWS OF MODULES. THE GROUND LUG SHOULD BE SECURED TO THE PV MODULE FRAME IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. IN ORDER TO MAINTAIN A CONTINUOUS GROUND PATH SHOULD A MODULE BE REMOVED WITHIN A ROW, IT IS NECESSARY TO USE A GROUND LUG AND GROUND WIRE AT EACH END OF THE ROW OF MODULES AS ILLUSTRATED ON THE RIGHT. IF GROUND LUG AND GROUND WIRE IS NOT UTILIZED AT EACH END OF THE ROW OF MODULES, A TEMPORARY GROUND LUG AND GROUND WIRE MUST BE USED TO CONNECT MODULES AT THE LOCATION OF REMOVED MODULE.
4. THE S-5-PV 3" MOUNTING DISC (STAINLESS STEEL) IS LISTED AS A MULTIPLE USE BONDING DEVICE.
5. THE INTENDED GROUND PATH OF BLACK FINISHED PARTS IS THROUGH THE MILL FINISH 3" STAINLESS STEEL MOUNTING DISC ONLY. FOR NON-SEPARATELY DERIVED SYSTEMS, WIRE POSITIONING MUST BE OUT OF REACH OF THE BLACK FINISH COMPONENTS.



PV PLAN
SCALE: 1/8" = 1'-0"



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ARCHITECT C-36142

MOT BUILDING

FOR:

FAIRFAX SCHOOL DISTRICT

6327 ZEPHYR LANE,
BAKERSFIELD, CA 93307

MARK	DATE	DESCRIPTION
	01-31-2025	
△	04/29/2025	PLAN CHECK REVISIONS
△	06/10/2025	ADDENDUM

JOB NUMBER:
2314.00
CAD DRAWING FILE:
2314 Fairfax DO - DD27
DRAWN BY:
CH
CHECKED BY:
AG
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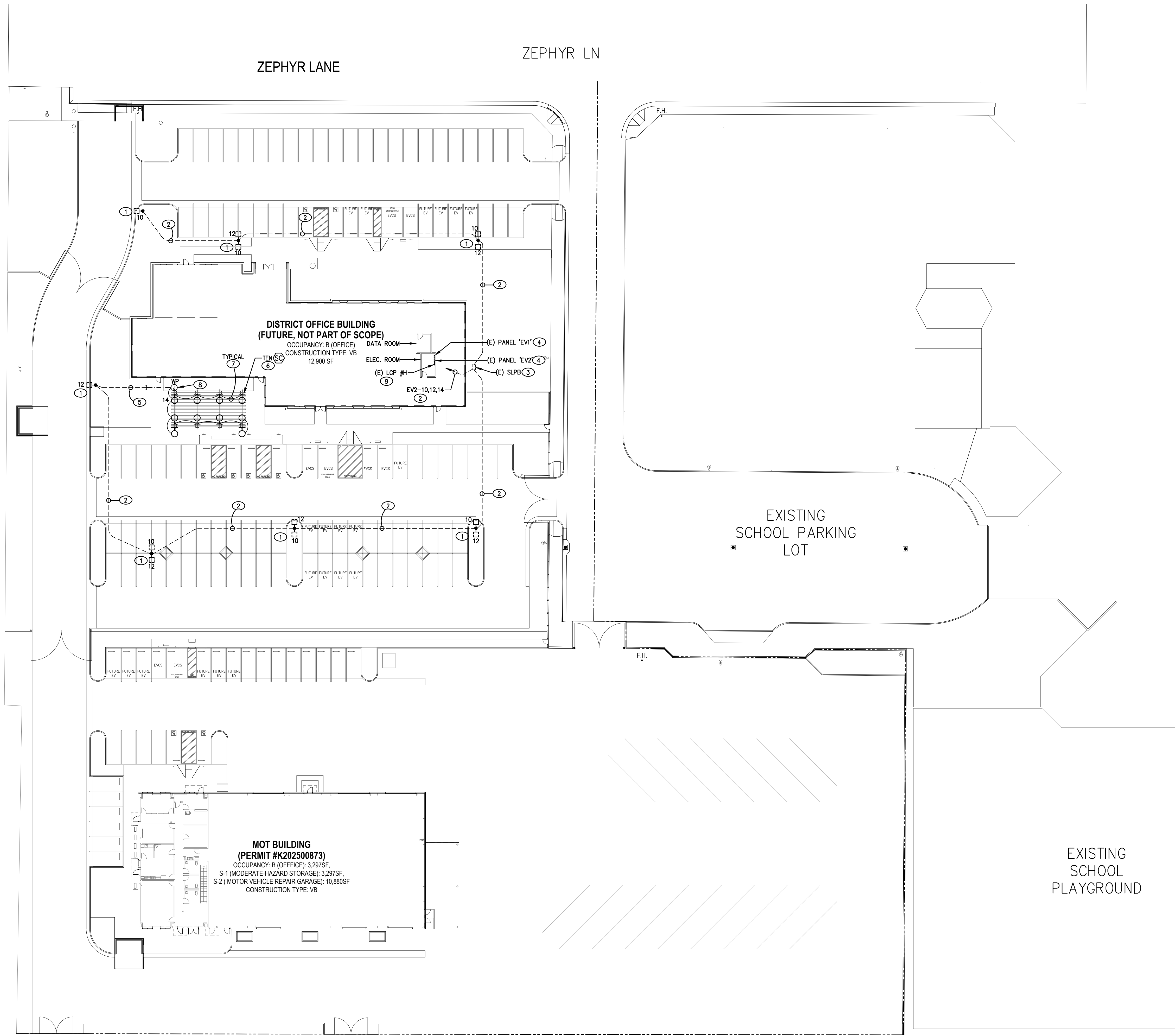
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PV PLAN

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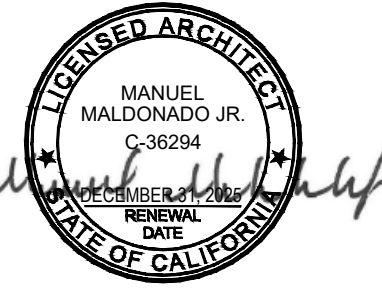
PV-100

EXISTING RESIDENTIAL



SITE ELECTRICAL PLAN NOTES:

- EXISTING PARKING LOT POLE LIGHT TO REMAIN.
- EXISTING CONDUIT AND WIRING TO REMAIN.
- EXISTING SITE LIGHTING PULL BOX TO REMAIN.
- EXISTING PANEL TO REMAIN.
- PICK UP EXISTING 3/4" C AND EXTEND TO PULL BOX A TRELLIS. RUN NEW 2#10 + 1#10 GROUND IN EXISTING AND NEW CONDUIT.
- MOUNT LIGHTS ON TRELLIS. VERIFY MOUNTING LOCATION AND HEIGHT WITH ARCHITECT.
- TYPICAL: RUN 1/2" C - 2#12 + 1#12 GROUND BETWEEN TRELLIS LIGHTS.
- PROVIDE WP JUNCTION BOX ON TRELLIS STRUCTURE.
- EXISTING LIGHTING CONTROL PANEL TO REMAIN. PANEL TO CONTROL TRELLIS LIGHTS FOR TIME CLOCK ON, TIME CLOCK OFF.



JEANNE S. BERTOLACCINI, AIA
ARCHITECT C-35599
MANUEL MALDONADO JR., AIA
ARCHITECT C-35294
JOSEPH E. ZASORSKI, AIA
ARCHITECT C-36742

TRELLIS

FOR:

**FAIRFAX SCHOOL
DISTRICT**

6327 ZEPHYR LANE,
BAKERSFIELD, CA 93307

MARK	DATE	DESCRIPTION
	06-10-2025	

JOB NUMBER:
2314.00

CAD DRAWING FILE:
2314 Fairfax Trellis - CD27.pln
DRAWN BY:
CH
CHECKED BY:
AG

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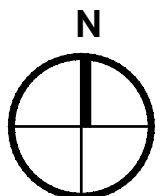
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**TRELLIS
ELECTRICAL
PLAN**

SHEET IDENTIFICATION NUMBER

E-100

TRELLIS ELECTRICAL PLAN
SCALE: 1" = 30'-0"



CHEN
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ELECTRICAL MATERIAL SPECIFICATIONS:

- CONDUITS:
- ALL UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40. ALL UNDERGROUND CONDUITS RUN UNDERNEATH BLDGS SHALL BE RUN BELOW SLAB. ALL UNDERGROUND CONDUITS RUN OUTSIDE OF BLDGS SHALL HAVE MIN 24" COVER.
 - ALL UTILITY SERVICE CONDUITS SHALL BE INSTALLED PER UTILITY COMPANY'S REQUIREMENT.
 - ALL CONDUITS IN BLDGS SHALL BE CONCEALED IN WALL OR ATTICS. CONDUITS SHALL BE EMT OR METALLIC FLEX CONDUITS FOR CONNECTION TO LIGHTING FIXTURES IN SUSPENDED ACCESSIBLE CEILINGS, MOTORS OR MOTORIZED EQUIPMENT.
 - ALL CONDUITS RUN ON ROOF OR EXPOSED TO WEATHER SHALL BE EMT OR LIQUID-TIGHT FLEX CONDUITS WITH WATER-TIGHT CONNECTION AND FITTINGS.
 - ALL CONDUIT PENETRATION THROUGH ROOF SHALL HAVE ROOF JACKS WITH LEAD FLASHINGS FOR WATER-TIGHT INSTALLATION.

CONDUCTORS: ALL CONDUCTORS SHALL BE THHN/THWN-2, COPPER, 90-DEGREES CELSIUS TEMPERATURE RATED CONDUCTOR.

OUTLET BOXES: ALL OUTLETS BOXES SHALL BE STANDARD ONE OR TWO PIECE GALVANIZED STEEL, KNOCK-OUT OUTLET BOXES.

CONVENIENCE OUTLETS: 15A/20A 3P GROUNDING DUPLEX RECEPTABLES WITH WHITE FINISH.

ALL 120V 15 AMPS AND 20 AMP GFI RECEPTABLES INSTALLED IN DAMP OR WET EXTERIOR LOCATIONS SHALL BE WEATHER-RESISTANT TYPE. RECEPTABLE SHALL HAVE "WEATHERPROOF WHILE IN USE EXTRA-DUTY COVER".

LIGHT SWITCHES: 15A/20A QUIET TYPE, MATCH RECEPTABLE'S FINISH.

WALL PLATES: SMOOTH LINE PLASTIC WITH WHITE FINISH.

DISCONNECT SWITCHES: HORSEPOWER RATED FUSIBLE TYPE WITH EXTERNAL OPERABLE HANDLE, U.O.N. FUSES SHALL BE DUAL ELEMENT TYPE AS RECOMMENDED BY EQUIPMENT SUPPLIER.

FIRE RATED AREAS: WHERE LIGHT FIXTURES, CONDUIT, CABINETS, OR BOXES PENETRATE FIRE RATED CEILINGS, WALLS OR FLOORS PROVIDE A FIRE RATED ENCLOSURE AND/OR FIRE STOP. RATING OF ENCLOSURE AND/OR FIRE STOP SHALL MATCH OR EXCEED RATING OF AREA PENETRATED. VERIFY LOCATION OF FIRE RATED AREAS WITH ARCHITECTURAL DRAWINGS AND WITH GENERAL CONTRACTOR. SUBMIT METHOD OF FIRE STOPPING TO BUILDING INSPECTOR FOR APPROVAL PRIOR TO INSTALLATION.

ELECTRICAL BOXES (MAXIMUM 16 SQUARE INCHES) INSTALLED IN OPPOSITE SIDES OF RATED WALLS SHALL BE SEPARATED BY MINIMUM 24" HORIZONTALLY.

MC CABLE WITH AN INTERNAL GROUND BOND MAY BE USED ONLY WHERE USE OF EMT OR FLEX IS NOT PRACTICAL OR POSSIBLE E.G. IN MILLWORK, ETC. MC CABLE SHALL NOT BE UTILIZED FOR ANY BRANCH CIRCUITRY IN THIS BUILDING.

GENERAL ELECTRICAL FIELD MARKING REQUIREMENT:

ARC-FLASH HAZARD WARNING:

PER DEC 110-16, ELECTRICAL EQUIPMENT SUCH AS SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS, THAT ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING OR MAINTENANCE WHILE ENERGIZED SHALL BE FIELD OR FACTORY MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRICAL ARC FLASH HAZARDS. THE MARKING SHALL MEET THE REQUIREMENTS IN 110.2.1(B) AND SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING OR MAINTENANCE OF THE EQUIPMENT.

110.2.1(B) FIELD-APPLIED HAZARD MARKINGS: WHERE CAUTION, WARNING, OR DANGER SIGNS OR LABELS ARE REQUIRED BY THE CEC, THE LABELS SHALL MEET THE FOLLOWING REQUIREMENTS:

- (1) THE MARKING SHALL ADEQUATELY WARN OF THE HAZARD USING EFFECTIVE WORDS AND/OR COLOR AND/OR SYMBOLS.
- (2) THE LABEL SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD NAD SHALL NOT BE HAND WRITTEN.
- EXCEPTION TO (2): PORTIONS OF LABELS OR MARKINGS THAT ARE VARIABLE, OR THAT COULD BE SUBJECT TO CHANGES, SHALL BE PERMITTED TO BE HAND WRITTEN AND SHALL BE LEGIBLE.
- (3) THE LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.

AVAILABLE FAULT CURRENT FIELD MARKING:

PER DEC ARTICLE 110.24(A) FIELD MARKING: SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT-CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.

PER DEC ARTICLE 110.24(B) MODIFICATIONS: WHEN MODIFICATIONS TO THE ELECTRICAL INSTALLATION OCCUR THAT AFFECT THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SERVICE, THE MAXIMUM AVAILABLE FAULT CURRENT SHALL BE VERIFIED OR RECALCULATED AS NECESSARY TO ENSURE THE SERVICE EQUIPMENT RATINGS ARE SUFFICIENT FOR THE MAXIMUM AVAILABLE FAULT CURRENT AT THE LINE TERMINALS OF THE EQUIPMENT THE REQUIRED FIELD MARKING(S) IN 110.24(A) SHALL BE ADJUSTED TO REFLECT THE NEW LEVEL OF MAXIMUM AVAILABLE FAULT CURRENT.

EXCEPTION: THE FIELD MARKING REQUIREMENTS IN 110.24(A) AND 110.24(B) SHALL NOT BE REQUIRED IN INDUSTRIAL INSTALLATIONS WHERE CONDITIONS OF MAINTENANCE AND SUPERVISION ENSURE THAT ONLY QUALIFIED PERSONS SERVICE THE EQUIPMENT.

Table 8-4 Summary of Voltage Drop Limits

Circuit Volts (V)	2% Voltage Drop (V)	3% Voltage Drop (V)	Total Loss (V)
120	2.4	3.6	6.0
208	4.2	6.2	10.4
240	4.8	7.2	12.0
277	5.5	8.3	13.9
480	9.6	14.4	24.0

Table 8-5 Voltage Drop for Common Copper Wire Gauges and Current Loads

Wire	Circuit Amps	Maximum Feeder Length					Maximum Branch Circuit Length				
		120	208	240	277	480	120	208	240	277	480
14*	12	39	67	78	90	156	58	101	117	135	233
12*	16	46	80	93	107	185	69	120	139	160	278
10	24	48	83	96	111	192	72	125	144	166	288
8	32	57	99	115	132	229	86	149	172	199	344
6	40	73	127	146	169	293	110	190	220	253	439
4	52	89	154	178	206	356	134	232	267	309	535
2	72	103	178	206	237	412	154	267	309	356	617
0	96	123	212	245	283	490	184	319	368	424	735
00	108	137	238	274	317	549	206	357	412	475	823
0000	144	163	283	327	377	654	245	425	490	566	980
250 (kcmil)	164	170	294	340	392	679	255	441	509	588	1019
300	184	181	314	362	418	725	272	471	543	627	1087
350	200	195	338	390	450	779	292	506	584	675	1169
500	248	224	388	448	517	896	336	582	672	776	1344

FIXTURE SCHEDULE

TYPE	WATT	LAMP	VOLT	MANUFACTURER	CATALOG No.	MTG	NOTES
SC	14	LED	120	LITHONIA	OLLWU-LED-P1-40K-MVOLT-DOB		TRELLIS LIGHTS ①

- ① PROVIDE FULLY WEATHERPROOF FIXTURE AT TRELLIS COLUMNS. VERIFY FIXTURE SELECTION.

120/208		VOLTS 3		PHASE 4		WIRE		65K (SERIES)		BREAKER A.I.C.	
400		A. BUSSING		400		A. MAIN BREAKER		6" X 20"		MAX. ENCL. DEPTH & WIDTH	
42		CIRCUIT		(3)		SURFACE		MOUNTING			
COPPER BUS		(E) PANEL EV2		PANELBOARD							
CIR NO.	BKR	LOAD (VA)	PHASE A	PHASE B	PHASE C	DESCRIPTION	DESCRIPTION	PHASE A	PHASE B	PHASE C	BKR CIR NO.
(1) 1	40	2	3600			EV CAPABLE	EV CAPABLE	3600			40 2 2
3				3600					3600		4
(1) 5	40	2			3600	EV CAPABLE	EV CAPABLE			3600	40 2 6
7			3600					3600			8
(1) 9	40	2		3600		EV CAPABLE	PARKING LOT POLE LIGHTS		828		20 1 10
11				3600					828		12
(1) 13	40	2	3600			EV CAPABLE	TRELLIS LIGHTING	100			14
15			3600				SPARE				16
(1) 17	40	2		3600		EV CAPABLE					18
19			3600								20
(1) 21	40	2		3600		EV CAPABLE					22
23			3600								24
25											26
27											28
29											30
31											32
33											34
35											36
37											38
39											40
41											42
PHASE A = 21700 VA, PHASE B = 18828 VA, PHASE C = 18828 VA											
TOTAL CONNECTED (59356 VA) + 25% LCL (439 VA) = 59795 VA (181 AMP) MAX.											

- (1) EXISTING LOCK-OFF DEVICE AT BREAKER HANDLE FOR SERVICING OF EQUIPMENT.
- (2) EXISTING BREAKER TIE FOR MULTIWIRE BRANCH CIRCUITS.
- (3) PANEL SCHEDULES SHOWN FOR REFERENCE ONLY, NO NEW WORK REQUIRED.

ELECTRICAL SYMBOLS

Ⓐ	DENOTES LIGHTING FIXTURE TYPE
Ⓐ-3	ELECTRICAL HOMERUN (TO PANEL A, CIRCUIT #3), 3/4" MINIMUM, U.O.N.
Ⓐ-3	CONDUIT RUN IN WALL / ATTIC (1/2" - 2#12 + 1#12 GND, THHN/THWN-CU)
Ⓐ-3	CONDUIT RUN IN FLOOR OR UNDERGROUND (1/2" - 2#12 + 1#12 GND, THHN/THWN-CU)
Ⓐ-3	WASH LINES DENOTE NUMBER OF #12 + #12 GND, THHN/THWN-CU, U.O.N. 1/2" FOR UP TO 5#12 + 1#12 GND, 3/4" FOR 6#12 TO 10#12 + 1#12 GND.
Ⓐ-3	FLEXIBLE CONDUIT CONNECTION
Ⓐ-3	ELECTRICAL PANEL
Ⓐ-3	TERMINAL CABINET
Ⓐ-3	DUPLEX RECEPTACLE IN WALL (+15" BOTTOM OF BOX AFF)
Ⓐ-3	QUADRIPLUX RECEPTACLE IN WALL (+15" BOTTOM OF BOX AFF)
Ⓐ-3	220V, 20A, 2P, 3W RECEPTACLE IN WALL (+15" BOTTOM OF BOX AFF)
Ⓐ-3	SPECIAL OUTLET AS NOTED ON DRAWING (+15" BOTTOM OF BOX AFF)
Ⓐ-3	TELEPHONE OUTLET IN WALL (+15" BOTTOM OF BOX AFF)
Ⓐ-3	COMBINATION TELEPHONE/DATA OUTLET, (+15" BOTTOM OF BOX AFF)
Ⓐ-3	DATA OUTLET, (+15" BOTTOM OF BOX AFF)
Ⓐ-3	FLUSH FLOOR BOX
Ⓐ-3	FLUSH FLOOR BOX WITH ELECTRICAL DEVICE AS INDICATED
Ⓐ-3	JUNCTION BOX
Ⓐ-3	JUNCTION BOX WITH FLEX CONNECTION
Ⓐ-3	MOTOR OUTLET
Ⓐ-3	FUSED DISCONNECT SWITCH, BY ELECTRICAL CONTRACTOR, U.O.N.
Ⓐ-3	CEILING MOUNTED LIGHTING FIXTURE WITH LIGHTING OUTLET
Ⓐ-3	WALL MOUNTED LIGHTING FIXTURE WITH LIGHTING OUTLET
Ⓐ-3	RECESSED MOUNTED LIGHTING FIXTURE WITH LIGHTING OUTLET
Ⓐ-3	LIGHTING FIXTURE
Ⓐ-3	LIGHTING FIXTURE WITH LIGHTING OUTLET
Ⓐ-3	Ⓐ-3 DENOTES CIRCUIT NUMBER, Ⓐ-3 DENOTES SWITCHING
Ⓐ-3	SINGLE POLE SWITCH (+48" TOP OF BOX AFF)
Ⓐ-3	3-WAY SWITCH (+48" TOP OF BOX AFF)
Ⓐ-3	TWO SINGLE POLE SWITCHES, GANGED IN SAME BOX (+48" TOP OF BOX AFF)
Ⓐ-3	TELEVISION OUTLET (+15" U.O.N.)
Ⓐ-3	PHOTOCONTROL (ROOF MOUNTED, U.O.N.)
Ⓐ-3	ELECTRICAL NOTE #1 (REFER TO ELECT NOTES ON SAME SHEET)
Ⓐ-3	WP WEATHERPROOF
Ⓐ-3	U.O.N. UNLESS OTHERWISE NOTED
Ⓐ-3	NL NIGHT LIGHT (LIGHT TO REMAIN ON 24/7)
Ⓐ-3	ENL EXTERIOR NIGHT LIGHT (CONTROLLED VIA PHOTOCCELL ON, PHOTOCCELL OFF)
Ⓐ-3	GFI GROUND FAULT CIRCUIT INTERRUPTER
Ⓐ-3	AFF ABOVE FINISHED FLOOR
Ⓐ-3	(E) EXISTING
Ⓐ-3	EXTERIOR WALL MOUNTED WP EMERGENCY LIGHT
Ⓐ-3	WALL DIMMER SWITCH WITH OCCUPANCY SENSOR, (+48" TOP OF BOX AFF)
Ⓐ-3	LIGHTING CONTROL OCCUPANCY SENSOR, (+48" TOP OF BOX AFF)
Ⓐ-3	DIMMER SWITCH, (+48" TOP OF BOX AFF)
Ⓐ-3	VACANCY SENSOR SWITCH, (+48" TOP OF BOX AFF)
Ⓐ-3	TIMER SWITCH, (+48" TOP OF BOX AFF)
Ⓐ-3	KEYED SWITCH, (+48" TOP OF BOX AFF)
Ⓐ-3	LIGHTING CONTROL OCCUPANCY SENSOR, CEILING MOUNTED
Ⓐ-3	AUTOMATIC DAYLIGHTING SENSOR, CEILING MOUNTED
Ⓐ-3	LIGHTING CONTROL POWER PACK, ACCESSIBLE ATTIC
Ⓐ-3	PLUG LOAD POWER PACK, ACCESSIBLE ATTIC
Ⓐ-3	POWER OUTLET WITH ONE CONTROLLED DUPLEX RECEPTACLE AND ONE NON-CONTROLLED DUPLEX RECEPTACLE (+15" BOTTOM OF BOX A.F.F.)
Ⓐ-3	EMERGENCY EXIT SIGN, CEILING MOUNTED
Ⓐ-3	EMERGENCY EXIT SIGN WITH TWIN HEADS, WALL MOUNTED
Ⓐ-3	FIXTURE WITH EMERGENCY BATTERY PACK
Ⓐ-3	EXISTING ELECTRICAL
Ⓐ-3	EXISTING CONDUIT & WIRING
Ⓐ-3	EXISTING POLE LIGHT WITH SINGLE FIXTURE
Ⓐ-3	EXISTING POLE LIGHT WITH TWIN FIXTURE

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JOSEPH E. ZASORSKI, AIA ARCHITECT C-36742

TRELLIS

FOR:

FAIRFAX SCHOOL DISTRICT

6327 ZEPHYR LANE,
BAKERSFIELD, CA 93307

MARK	DATE	DESCRIPTION
	06-10-2025	

JOB NUMBER:
2314.00
CAD DRAWING FILE:
2314 Fairfax Trellis - CD27.pln
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SHEET TITLE

SYMBOLS,
SCHEDULES,
DETAILS

SHEET IDENTIFICATION NUMBER

E-200



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Electrical Engineering Services
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STATE OF CALIFORNIA

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

CALIFORNIA ENERGY COMMISSION

PROJECT NAME:FAIRFAX SCHOOL DISTRICT - TRELLIS

REPORT PAGE:N/A-10-A

DATE PREPARED:2025-06-10T16:13:37-04:00

PAGE 4 OF 7

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.

Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

D1	D2	D3	D4	D5	
Area Description	Shut-Off 130.2(c)(1 / 160.5(c)	Auto-Schedule 130.2(c)(2 / 160.5(c)	Motion Sensor 130.2(c)(3 / 160.5(c)	Field Inspector	
				Pass	Fail
TRELLIS LIGHTING: "SC"	Astronomical Timer	Provided	NA: >=24 ft	<input type="checkbox"/>	<input type="checkbox"/>

¹FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.

²Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.

³Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from II and III.

Generated Date/Time:

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000
Schema Version: rev 20220101

Compliance ID: 302889-0625-0002
Report Generated: 2025-06-10 13:13:39

STATE OF CALIFORNIA

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

OUTDOOR LIGHTING

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

CERTIFICATE OF COMPLIANCE

NRCC-170-E

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)(2) for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e), 180.1(e) and 180.2(b)(4) for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

Project Name: FAIRFAX SCHOOL DISTRICT - TRELLIS

Project Address: 6327 ZEPHYR LANE, BAKERSFIELD, CA 93307

Report Page:

Page 1 of 7

Date Prepared:

2025-06-10T16:13:37-04:00

A. GENERAL INFORMATION

01

Project Location (city)

BAKERSFIELD

04

Total Illuminated Hardscape Area (ft²)

2359

02

Climate Zone

13

03

Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):

☐ L2-0: Very Low - Undeveloped Parceland

☐ L2-2: Moderate - Urban Clusters

☐ L2-4: High - Must be reviewed by CA Energy Commission for Approval

☐ L2-1: Low - Rural Areas

☒ L2-3: Moderately High - Urban Areas

05

Occupancy Types within Project

• Office

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e) or 141.0(b)(2) / 180.2(b)(4) for alterations.

My Project Consists of:

01	02	03	04	05
<div><input checked="" type="checkbox"/> New Lighting System</div>	Must Comply with Allowances from 140.7 / 170.2(e)			
<div><input type="checkbox"/> Altered Lighting System</div>	Is your alteration increasing the connected lighting load (Watts)?		<div><div></div>Yes</div>	<div><div></div>No</div>
<div><div><input type="checkbox"/> < 10%</div><div><input type="checkbox"/> >= 10% and < 50%</div><div><input type="checkbox"/> >= 50%</div></div>	Sum Total of Luminaires Being Added or Altered		Calculation Method	

Please provide to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

* FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

STATE OF CALIFORNIA

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name:FAIRFAX SCHOOL DISTRICT - TRELIS

Report Page:1

Date Prepared:2025-06-10T16:13:37-04:00

CALIFORNIA ENERGY COMMISSION

NRCC-104-01

Page 3 of 7

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e) all new luminaires being installed and any existing luminaires remaining or being moved within the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 140.0(b)(2) only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (i.e. existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:		01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire: ¹	How is Wattage determined	Total Number Luminaires: ²	Status ³	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial luminaire output < 130.2(b) / 160.5(c)14	Field Inspector	Pass	Fail
SC	LED WALL LIGHT	<input type="checkbox"/> Linear	Mfr. Spec	10	New	<input type="checkbox"/>	140	NA: < 6200 lumens	<input type="checkbox"/>	<input type="checkbox"/>	
Total Design Watts:									140		

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 1 to 130.2(b)

*FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)

For linear luminaires, wattage should be indicated as W/ft instead of Watts/Luminaire. In linear feet should be indicated in column 05 instead of number of luminaires.

Select "New" for new luminaires to be a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstated" for existing luminaires which are being removed and reinstated as part of the project scope.

*Compliance with mandatory shielding requirements is required for luminaires with initial luminaire output >= 6,200 unless exempted by 130.2(b)8 / 160.5(c)


G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

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Report Version: 2022.0.000Compliance ID: 302889-0625-0002

Schema Format: rev 20220011Report Generated: 2025-06-10 13:13:39



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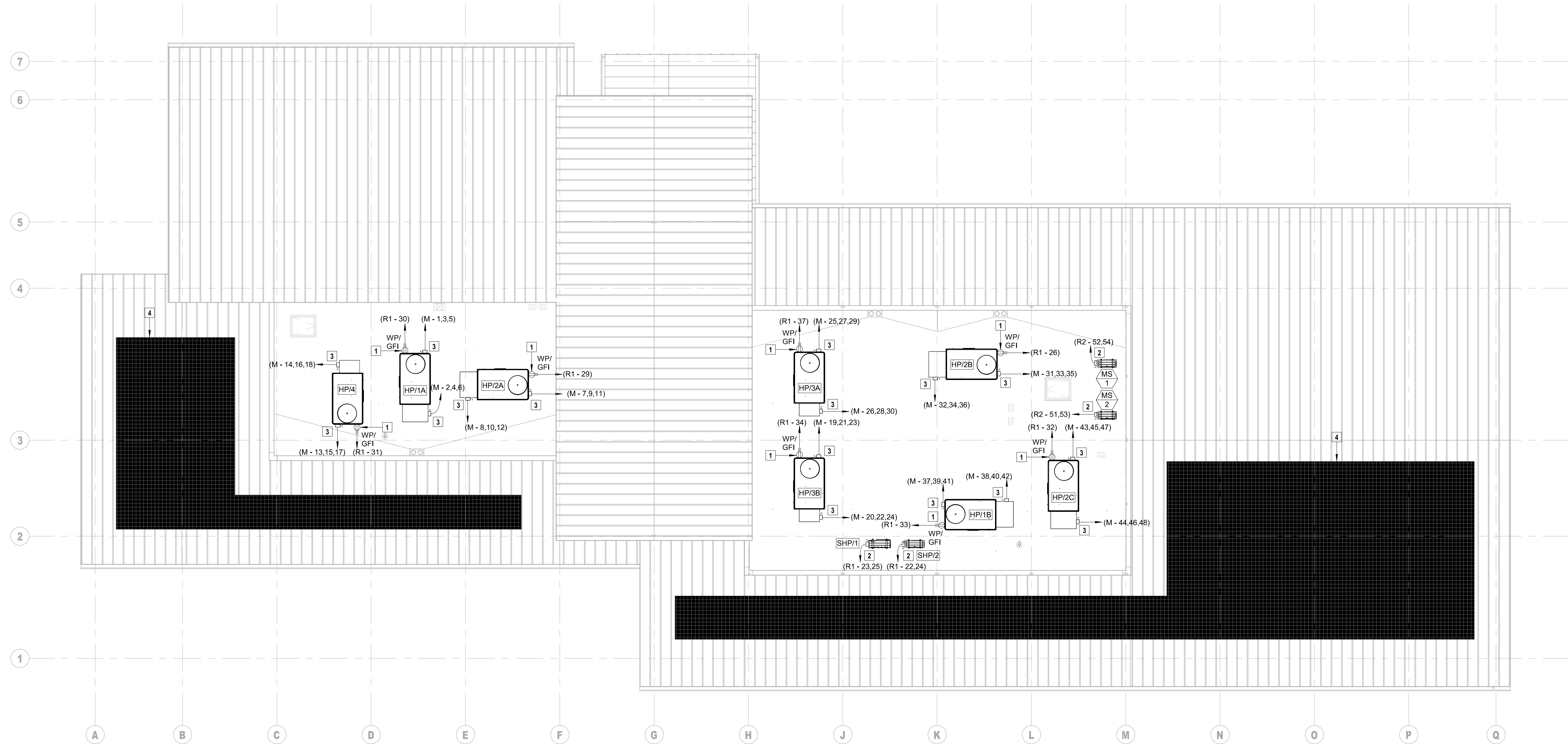
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E-300



1 ELECTRICAL ROOF PLAN
1/8" = 1'-0"

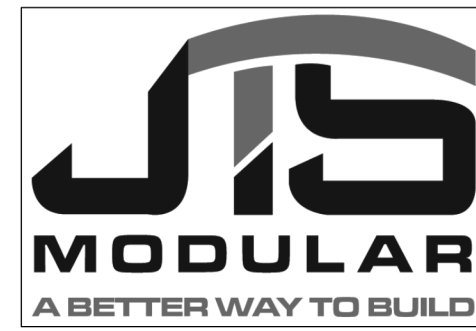
ELECTRICAL ROOF PLAN KEYNOTES



- GFI/WP RECEPTACLE MOUNTED ON UNIT CURB, FILED WIRED & POWERED SEPERATELY - TYP.
- 1"=0". FOR COMM. & POWER TO INDOOR UNIT
- ROOFTOP UNIT DISC - PROVIDE SIGN STATING TWO SOURCES OF POWER
- SOLAR READY AREA

ELECTRICAL ROOF PLAN NOTES

29 KW OF SOLAR POWER REQUIRED PER ENERGY CALCULATIONS - REFER TO SEPARATE DSA APPLICATION ON SITE SPECIFIC SOLAR CARPORT PV SYSTEM PLANS BY SOLAR CONTRACTOR
NEW DSA APPLICATION IS REQUIRED FOR FUTURE SOLAR INSTALLATION PER NEW SITE SPECIFIC PLANS BY SOLAR CONTRACTOR

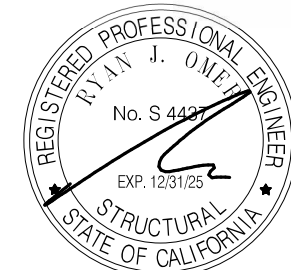


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4/25/2025 11:24:18 AM



DISTRICT OFFICE
FAIRFAX SCHOOL DISTRICT
6327 ZEPHYR LANE
BAKERSFIELD, CA 93307

DRAWING TITLE
ELECTRICAL ROOF PLAN

DATE: 4/25/2025 11:24:18 AM

PROJECT NO.

03-1246

DRAWING

E3.1

DATA SHEET

08

IQ7A Microinverter

The high-powered, smart grid-ready IQ7A Microinverter dramatically simplifies installation while achieving the highest system efficiency for systems with 60-cell and 72-cell modules.

Part of the Enphase Energy System, the IQ7A Microinverter integrates with the IQ Battery, IQ Gateway, and the Enphase App monitoring and analysis software.

Connect PV modules quickly and easily to IQ7 Series Microinverters using the Included Q-DCC-2 adapter cable with plug-and-play MC4 connectors.

IQ7 Series Microinverters redefine reliability standards with more than a million cumulative hours of power-on testing, enabling an industry-leading limited warranty of up to 25 years.

IQ7 Series Microinverters are UL listed as PV Rapid Shutdown Equipment and conform with various regulations when installed according to the manufacturer's instructions.

High power

- Peak output power: 366 VA @ 240 VAC and 295 VA @ 208 VAC

Easy to install

- Lightweight and simple
- Faster installation with improved, lighter two-wire cabling
- Built-in rapid shutdown compliant (NEC 2014, 2017, and 2020)

Efficient and reliable

- Optimized for high-powered 60-cell/120-half-cell and 72-cell/144-half-cell PV modules
- Highest CEO efficiency of 97%
- More than a million hours of testing
- Class II double-insulated enclosure
- UL listed





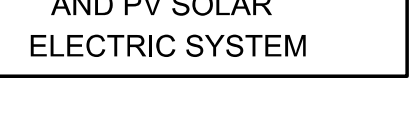

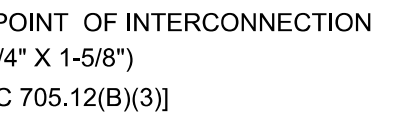

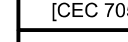
Smart grid-ready

- Complies with advanced grid support, voltage, and frequency ride-through requirements
- Remotely updates to respond to changing grid requirements
- Configurable for varying grid profiles
- Meets CA Rule 21 (UL 1741-SA) and IEEE 1547-2018 (UL 1741-SB, 3rd Ed.)

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K78-05-02-EN-US-2023-04-14

1 SOLAR PANEL ATTACHMENT

 <p>WARNING CAUTION MULTIPLE SOURCES OF POWER</p>	 <p>WARNING SOLAR ELECTRIC CIRCUIT BREAKER IS BACKFED</p>	 <p>CAUTION SOLAR ELECTRIC SYSTEM CONNECTED</p>	 <p>WARNING DUAL POWER SUPPLY SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM</p>	<p>SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN</p>
<p>RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM</p>	<p>AT POINT OF INTERCONNECTION (7'x4") [CEC 705.12(B)(3)]</p>	<p>AT UTILITY METER (5-3/4"X1-1/8") [CEC 690.56(B)]</p>	<p>AT POINT OF INTERCONNECTION (2-3/4" X 1-5/8") [CEC 705.12(B)(3)]</p>	
<p>AT RAPID SHUTDOWN DISCONNECT SWITCH (5-1/4"X 2") [CEC 690.56(C)(3)]</p>	 <p>WARNING DUAL POWER SUPPLY SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM</p>	<p>WARNING: PHOTOVOLTAIC POWER SOURCE</p>	<p>AT POINT OF INTERCONNECTION (2-3/4" X 1-5/8") [CEC 705.12(B)(3)]</p>	
 <p>WARNING ELECTRICAL SHOCK HAZARD TERMINALS ON THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION</p>	<p>AT POINT OF INTERCONNECTION (2-3/4" X 1-5/8") [CEC 705.12(B)(3)]</p>	<p>AT EXPOSED RACEWAYS, CABLE TRAYS AND OTHER WIRING METHODS; SPACED AT MAXIMUM 10FT SECTION OR WHERE SEPARATED BY ENCLOSURES WALLS PARTITIONS CEILING OR FLOORS (5-3/4" X 1-1/8") [CEC 690.31(G)] LETTERS AT LEAST 3/8 INCH; WHITE ON READ BACKGROUND; REFLECTIVE [IFC 605.11.1.1]</p>	<p>PHOTOVOLTAIC SYSTEM AC DISCONNECT</p>	<p>TURN RAPID SHUTDOWN SWITCH TO THE OFF POSITION TO SHUT DOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN ARRAY</p>
<p>AT EACH DISCONNECTING MEANS FOR PHOTOVOLTAIC EQUIPMENT (7'x4") [CEC 690.13]</p>	 <p>WARNING POWER SOURCE OUTPUT CONNECTION DO NOT RELOCATE THIS OVERCURRENT DEVICE</p>		<p>RATED AC OUTPUT CURRENT NORMAL OPERATING PV VOLTAGE</p>	<p>AT RAPID SHUTDOWN SYSTEM (3-3/4"X 5-1/4") [CEC 690.56(C)(1)(a)]</p>
	<p>AT POINT OF INTERCONNECTION OVERCURRENT DEVICE (7'x4") [CEC 705.12(B)(3)(B)]</p>		<p>AT POINT OF INTERCONNECTION MARKED AT DISCONNECTING MEANS (4'x2") [CEC 690.54]</p>	

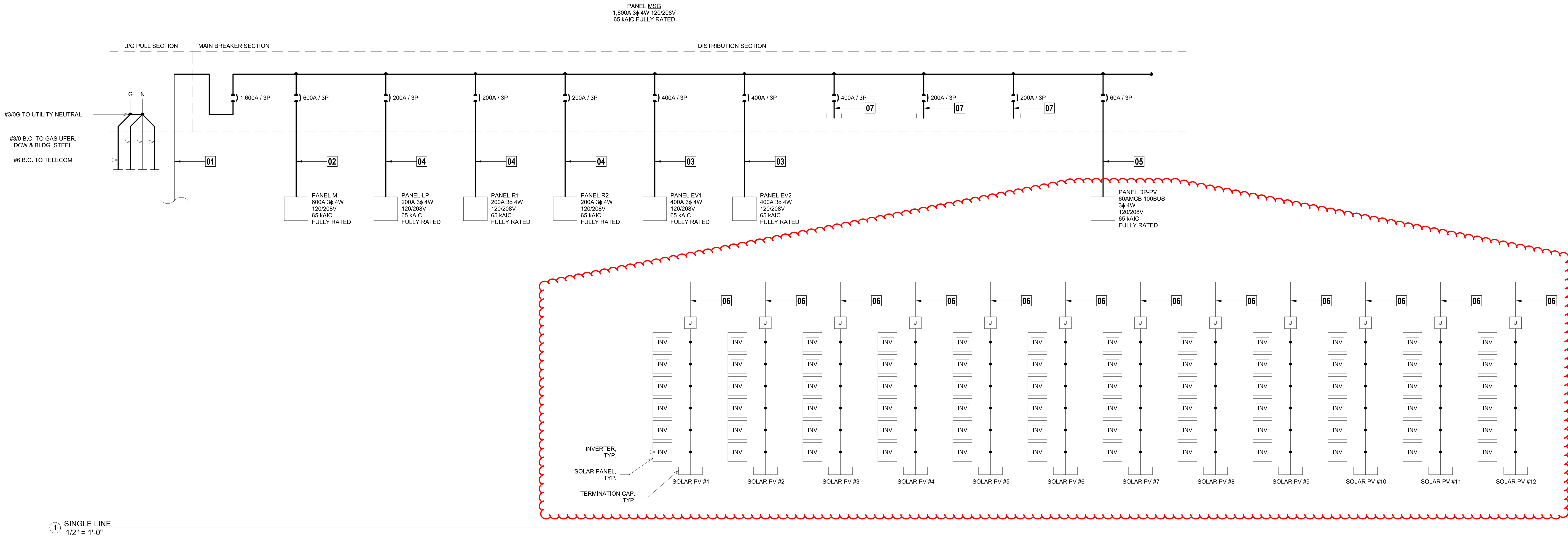
Q17A Microinverter					
INPUT DATA (DC)		Q17A 72-V, 0-15			
Commonly used module pairings ¹	W	2590-480			
Module compatibility		60-cell/720-half-cell and 72-cell/144-half-cell			
MPPT voltage range ²	V	18-56			
Operating range	V	18-58			
Min./max. start voltage	V	16/58			
Max. input DC voltage	V	58			
Max. continuous input DC current	A	10.2			
Max. input DC short-circuit current	A	25			
Max. module tie	A	20			
Overvoltage class DC port		II			
DC port back-feed current	mA	0			
PV array configuration		1 × 1 ungrounded array; No additional DC side protection required; AC side protection requires max 20 A per branch circuit			
OUTPUT DATA (AC)		UNITS			
		0-240 VAC	0-208 VAC		
Peak output power	VA	366	295		
Max. continuous output power	VA	349	290		
Nominal (L-L) voltage/range ³	V	240/211-264	208/183-229		
Max. continuous output current	A	1.45	1.39		
Nominal frequency	Hz	60			
Extended frequency range	Hz	49-68			
AC short circuit fault current over three cycles	Amps	5.8			
Max. units per 20 A (L-L) branch circuit ⁴		11	11		
Total harmonic distortion	%	<5			
Overvoltage class AC port		III			
AC port back-feed current	mA	18			
Power factor setting		1.0			
Grid-tied power factor (adjustable)		0.85 leading ~ 0.85 lagging			
Peak efficiency	%	97.0	96.5		
CEC weighted efficiency	%	97.0	96.5		
Nighttime power consumption	mW	60			
MECHANICAL DATA					
Ambient temperature range		-40°C to 60°C; -40°F to 140°F			
Relative humidity range		4% to 100% (condensing)			
DC connector type		MC4 (or Amphenol H4 UTx with additional Q-DCC-5 adapter)			
Dimensions (H × W × D)		212 mm (8.3") × 175 mm (6.9") × 30.2 mm (1.2") (without bracket)			
Weight		1.08 kg (2.38 lbs)			
Cooling		Natural convection—no fans			
Approved for wet locations		Yes			
Pollution degree		PD3			
Enclosure		Class II double-insulated, corrosion-resistant polymeric enclosure			
Environ. category/UV exposure rating		NEMA type 6/Outdoor			
COMPLIANCE					
Certifications	CA Rule 21 (UL 1741-SA), UL 62039-1, IEEE 1547/2018 (UL 1741-SB 3 rd Ed.), HRI Rule 14H 580.2.0, FCC Part 15 Class B, ICES-0003 Class B, CAN/CSA C22.2 No. 1071-01. This product is UL Listed as PV Rapid Shutdown Equipment and conforms with NEC 2014, NEC 2017, and NEC 2020 section 690.12 and C221-2015 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to the manufacturer's instructions.				

LIGHT FIXTURE SCHEDULE				VOLTAGE: UNV (U.O.N.)
TYPE	INPUT WATTS	DESCRIPTION AND MANUFACTURER	REMARKS	
F1	31	2x4 LED TROFFER RECESSED NLIGHT ENABLED VOLTAGE: UNV LAMP: LED = 4000K MANUFACTURER: LITHONIA #ZBLT4-40L-ADSMT-EZ1-LP840-N80	*F1E DESIGNATES EMERGENCY BALLAST FIXTURE E10W/CP w/ 90 MIN. BATTERY BACK-UP *VERIFY FINISH w/ ARCHITECT *WEIGHT: 17 LBS *REFER TO MOUNTING DETAIL	
F2	31	2x2 LED TROFFER RECESSED NLIGHT ENABLED VOLTAGE: UNV LAMP: LED = 4000K MANUFACTURER: LITHONIA #ZBLT2-40L-ADSMT-EZ1-LP840-N80	*F2E DESIGNATES EMERGENCY BALLAST FIXTURE E10W/CP w/ 90 MIN. BATTERY BACK-UP *VERIFY FINISH w/ ARCHITECT *WEIGHT: 12 LBS *REFER TO MOUNTING DETAIL	
F3	35	1X4 SURFACE VOLUMETRIC LED UL LISTED ON RECESSED/OPEN CEILINGS(INSTALL W/ AIRCRAFT CABLE GRIPPER) VOLTAGE: UNV LAMP: LED = 4000K MANUFACTURER: LITHONIA #STL4-40L-EZ1-LP840-N80	*F3E DESIGNATES EMERGENCY BALLAST FIXTURE E10W/CP w/ 90 MIN. BATTERY BACK-UP *VERIFY FINISH w/ ARCHITECT *WEIGHT: 12 LBS *REFER TO MOUNTING DETAIL	
F4	35	6" DOWNLIGHT LED CAN LIGHT VOLTAGE: UNV LAMP: LED = 4000K MANUFACTURER: LITHONIA #LDNG-40/30-L06AR-LSS-MVOLT-EZ1	*F4E DESIGNATES EMERGENCY BALLAST FIXTURE E10W/CP w/ 90 MIN. BATTERY BACK-UP *VERIFY FINISH w/ ARCHITECT *WEIGHT: 6.2 LBS *REFER TO MOUNTING DETAIL	
F5	15	WALL PACK OUTDOOR LIGHT VOLTAGE: UNV LAMP: LED = 4000K MANUFACTURER: LITHONIA #WDGE2-LED-P2-40K-80CBI-VW-MVOLT	*F5E DESIGNATES EMERGENCY BALLAST FIXTURE E10W/CP w/ 90 MIN. BATTERY BACK-UP *VERIFY FINISH w/ ARCHITECT *WEIGHT: 20 LBS *REFER TO MOUNTING DETAIL	
F6	24	16" GLOBE LED LIGHTING VOLTAGE: UNV LAMP: LED = 4000K MANUFACTURER: SPI #AIP12380-16IN-L24W-120-277V-4000K-CAS	*F6E DESIGNATES EMERGENCY BALLAST FIXTURE EMR w/ 90 MIN. BATTERY BACK-UP *VERIFY FINISH w/ ARCHITECT *WEIGHT: 7 LBS *REFER TO MOUNTING DETAIL	
F7	39	20" GLOBE LED LIGHTING VOLTAGE: UNV LAMP: LED = 4000K MANUFACTURER: SPI #AIP12380-20IN-L39W-120-277V-4000K-CAS	*F7E DESIGNATES EMERGENCY BALLAST FIXTURE EMR w/ 90 MIN. BATTERY BACK-UP *VERIFY FINISH w/ ARCHITECT *WEIGHT: 7 LBS *REFER TO MOUNTING DETAIL	
F8	64	2"x38" RING LED PENDANT LIGHTING VOLTAGE: UNV LAMP: LED = 4000K MANUFACTURER: SPI #AIP12204-DIR-L64W-IND-L64W-120-277V-4000K-MRA	*F8E DESIGNATES EMERGENCY BALLAST FIXTURE EMR w/ 90 MIN. BATTERY BACK-UP *VERIFY FINISH w/ ARCHITECT *WEIGHT: 20 LBS *REFER TO MOUNTING DETAIL	
F9	85	2"x50" RING LED PENDANT LIGHTING VOLTAGE: UNV LAMP: LED = 4000K MANUFACTURER: SPI #AIP12205-DIR-L85W-IND-L85W-120-277V-4000K-MRA	*F9E DESIGNATES EMERGENCY BALLAST FIXTURE EMR w/ 90 MIN. BATTERY BACK-UP *VERIFY FINISH w/ ARCHITECT *WEIGHT: 25 LBS *REFER TO MOUNTING DETAIL	
F10	54	6" RECESSED LINEAR LED LIGHTING VOLTAGE: UNV LAMP: LED = 4000K MANUFACTURER: AXIS #BGRLED-800-80-40-RG-6-UNV-DP	*F10E DESIGNATES EMERGENCY BALLAST FIXTURE E w/ 90 MIN. BATTERY BACK-UP *VERIFY FINISH w/ ARCHITECT *WEIGHT: 24 LBS *REFER TO MOUNTING DETAIL	
F11	56	24" SURFACE LINEAR LED LIGHTING (3x8FT TOGETHER) VOLTAGE: UNV LAMP: LED = 4000K MANUFACTURER: PEERLESS #OPMS-S-BFT-80CRI-40K-810LMF-DARK-ZT-120	*F11E DESIGNATES EMERGENCY BALLAST FIXTURE 1EC w/ 90 MIN. BATTERY BACK-UP *VERIFY FINISH w/ ARCHITECT *WEIGHT: 33 LBS *REFER TO MOUNTING DETAIL	
X1	2	LED EXIT VOLTAGE: UNV LAMP: LED MANUFACTURER: LITHONIA #LE-S-2-EL-N-SD	*VERIFY COLOR W/ ARCHITECT *WEIGHT: 5 LBS -	

DISTRICT OFFICE
FAIRFAX SCHOOL DISTRICT
6327 ZEPHYR LANE
BAKERSFIELD, CA 93307

DRAWING TITLE
ELECTRICAL DETAILS & SCHEDULES

FEEDER SCHEDULE					
NUMBER	AMPS	CONDUCTORS PER CONDUIT (THHN/THWN CU)			GROUNDING (THHN/THWN) COPPER
		CONDUIT	3ø 4W (C)	PULL LINE (E)	
01	CONDUIT BY SITE ELECTRICAL CONTRACTOR - SEE SITE ELECTRICAL DRAWINGS				
02	600	(2) 3-1/2"	(4) #350 KCMIL	1	#2/0
03	400	4"	(4) #500 KCMIL	1	#1/0
04	200	2"	(4) #3/0	1	#4
05	60	1"	(4) #6	1	#10
06	SOLAR	3/4"	(4) #10	1	#10
07	SPARE BREAKER				



Branch Panel: MSG												
Location:					Volts: 120/208 Wye				A.I.C. Rating: 65K			
Supply From:					Phases: 3				Mains Type: MCB			
Mounting: Surface					Wires: 4				Mains Rating: 1600 A			
Enclosure:									MCB Rating: 1600 A			
Notes:												
CKT	Circuit Description	Trip	Poles	Wire	A	B	C	Wire	Poles	Trip	Circuit Description	CKT
1	M	600 A	3	*	70433 W	3394 W		*	3	200 A	LP	2
3	--	--	--	*		70433 W	3446 W	*	--	--	--	4
5	--	--	--	*			70433 W	3470 W	*	--	--	6
7	R1	200 A	3	*	12802 W	13060 W		*	3	200 A	R2	8
9	--	--	--	*		12681 W	16581 W	*	--	--	--	10
11	--	--	--	*			12663 W	16796 W	*	--	--	12
13	EV1	400 A	3	*	36000 W	21733 W		*	3	400 A	EV2	14
15	--	--	--	*		36000 W	21733 W	*	--	--	--	16
17	--	--	--	*			36000 W	21733 W	*	--	--	18
19	SPARE	400 A	3	*	0 W	0 W		*	3	200 A	SPARE	20
21	--	--	--	*		0 W	0 W	*	--	--	--	22
23	--	--	--	*			0 W	0 W	*	--	--	24
25	SPARE	200 A	3	*	0 W	0 W		*	3	60 A	SOLAR	26
27	--	--	--	*		0 W	0 W	*	--	--	--	28
29	--	--	--	*			0 W	0 W	*	--	--	30
31												32
33												34
35												36
37												38
39												40
41												42
Total Load:					150183 W	153740 W	154191 W					
Total Amps:					1252 A	1286 A	1289 A					
Legend:												
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals				
HVAC		10800 VA		100.00%		10800 VA						
Motor		600 VA		104.17%		625 VA		Total Conn. Load: 457601 W				
Other		213206 VA		100.00%		213206 VA		Total Est. Demand: 457626 W				
Receptacle		58040 VA		100.00%		58040 VA		Total Conn.: 1270 A				
Power		189092 VA		100.00%		189092 VA		Total Est. Demand: 1270 A				
Lighting		8442 VA		100.00%		8442 VA						
Demand Factor 125%: 1588 A												
Notes:												
* REFER TO SINGLE LINE FOR SIZE												



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FAIRFAX SCHOOL DISTRICT
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BAKERSFIELD, CA 93307

DRAWING TITLE
ELECTRICAL PANEL SCHEDULES

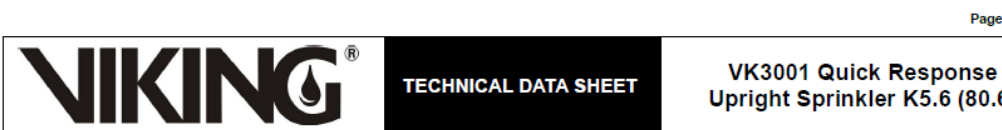
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PROJECT NO.
03-1246

DRAWING

E6.1

GENERAL NOTES:
A. IT IS THE RESPONSIBILITY OF THE OWNER TO PROPERLY MAINTAIN THE FIRE PROTECTION SYSTEM IN AN OPERABLE CONDITION AT ALL TIMES.
B. THE FIRE PROTECTION CONTRACTOR WILL PROVIDE THE OWNER WITH THE NECESSARY INSTRUCTION MANUALS FOR THE UPKEEP OF THE SYSTEM, AS WELL AS A COPY OF N.F.P.A. 25 - 13 CA CALIFORNIA EDITION.
C. ONLY NEW SPRINKLERS SHALL BE EMPLOYED IN THE INSTALLATION OF THE SPRINKLER SYSTEM.
D. THE SYSTEM SHALL ONLY EMPLOY THE USE OF APPROVED MATERIALS AND DEVICES.
E. SPRINKLER PLANS SHALL BE APPROVED PRIOR TO THE INSTALLATION OF ANY PIPE. A SET OF APPROVED PLANS SHALL BE MAINTAINED AT ALL TIMES ON THE JOB SITE.
F. AN APPOINTMENT SHALL BE MADE A MINIMUM OF TWO WORKING DAYS IN ADVANCE, WITH THE APPROPRIATE FIRE PREVENTION DIVISION REGIONAL OFFICE FOR ALL INSPECTIONS AND TESTS.
G. ALL UNDERGROUND MAINS AND LEAD-IN CONNECTIONS SHALL BE FLUSHED, AS INDICATED IN NFPA PRIOR TO CONNECTING TO THE OVERHEAD PIPING. THE FLUSHING SHALL CONTINUE UNTIL THE WATER IS CLEAR. FLUSHING SHOULD BE PERFORMED AT THE TIME OF THE HYDROSTATIC TEST, AND SHALL BE WITNESSED BY A FIRE PREVENTION DIVISION INSPECTOR.
H. SYSTEM PIPING SHALL BE HYDROSTATICALLY TESTED AT 200 PSI FOR TWO HOURS OR AT 50 PSI ABOVE THE MAXIMUM SYSTEM OPERATING PRESSURE, WHICHEVER IS GREATER.
I. FIRE DEPARTMENT CONNECTIONS SHALL BE LOCATED ON THE ADDRESS SIDE OF THE BUILDING, FACE THE STREET, BE VISIBLE AND ACCESSIBLE, HAVE NTS FEMALE INLETS, HAVE PROTECTIVE CAPS, AND AN ACCESSIBLE, APPROVED CHECK VALVE LOCATED IN THE MAIN LINE (AS CLOSE TO THE INLETS AS POSSIBLE).
J. ALL VALVES AND FIRE DEPARTMENT CONNECTIONS SHALL HAVE A PERMANENTLY AFFIXED SIGNS, INDICATING THEIR FUNCTION.
K. A STOCK OF SIX (6) SPARE SPRINKLERS OF EACH STYLE, TYPE, AND TEMPERATURE RATING ALONG WITH A SPRINKLER WRENCH SHALL BE LOCATED AT THE MAIN RISER.
L. ANY PORTION OF THIS SPRINKLER SYSTEM EXPOSED TO FREEZING TEMPERATURES SHALL BE ADEQUATELY PROTECTED. (HEAT TAPE IS NOT AN ACCEPTABLE METHOD OF PROTECTION).
M. WELDING SHALL BE PERFORMED PER NFPA 13 REQUIREMENTS.
N. AUTOMATIC SPRINKLER SYSTEMS SHALL BE SUPERVISED BY A LISTED/APPROVED CENTRAL, PROPRIETARY, OR REMOTE STATION, OR A LOCAL ALARM WHEN APPROVED BY THE CHIEF, WHICH WILL GIVE AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION WHEN THE NUMBER OF SPRINKLERS IS 20 OR MORE.
NOTE: RISER WILL BE PROTECTED FROM FREEZING VIA INSULATION & HEAT TRACING PER NFPA 13 2022 SECTION 16.4.1.4 IN AREAS WHERE TEMPERATURE WILL REACH BELOW 40 DEG. F
NOTE: ALL DETAILS & DIMENSIONS ARE SHOWN FOR DSA APPROVAL ONLY. SPRINKLER CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION PRIOR TO THE START OF ANY WORK. ANY DEVIATIONS FROM THESE PLANS ARE REQUIRED TO BE APPROVED BY CONSULTING ENGINEER & DSA, IF DSA REGULATED ITEMS AFFECTED.
NOTE: NO SUBSTITUTION OF FIRE SPRINKLER PIPING OR FITTINGS, INCLUDING FLEXIBLE DROPS, SHALL BE ALLOWED WITHOUT DSA APPROVAL OF REVISED MATERIAL SUBMITTAL AND HYDRAULIC CALCULATIONS.
NOTE: C-16 CONTRACTOR SHALL ONLY DESIGN THE AFS SYSTEM WHICH THEY INSTALL, INCLUDING SITE SPECIFIC FIRE RISER.



4. TECHNICAL SPECIFICATIONS

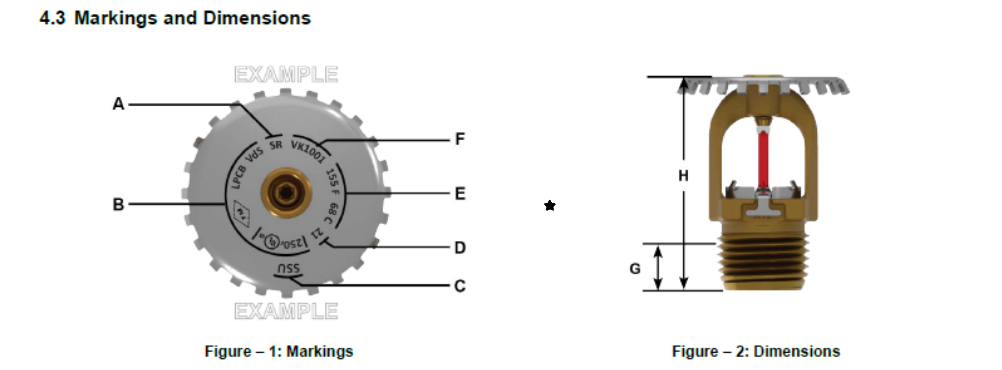
4.1 Definitions

Standard Upright Sprinkler: A sprinkler intended to be oriented with the deflector above the frame so water flows upward through the orifice, striking the deflector and forming an umbrella-shaped spray pattern downward. These sprinklers are marked "SSU" (Standard Spray Upright) or "UPRIGHT" on the deflector.

Corrosion-Resistant Sprinkler: A special service sprinkler with non-corrosive protective coatings, or that is fabricated from non-corrosive material, for use in atmospheres that would normally corrode sprinklers. Sprinklers can be ordered as corrosion resistant sprinklers and can be used with escutcheons when allowed by the approval body.

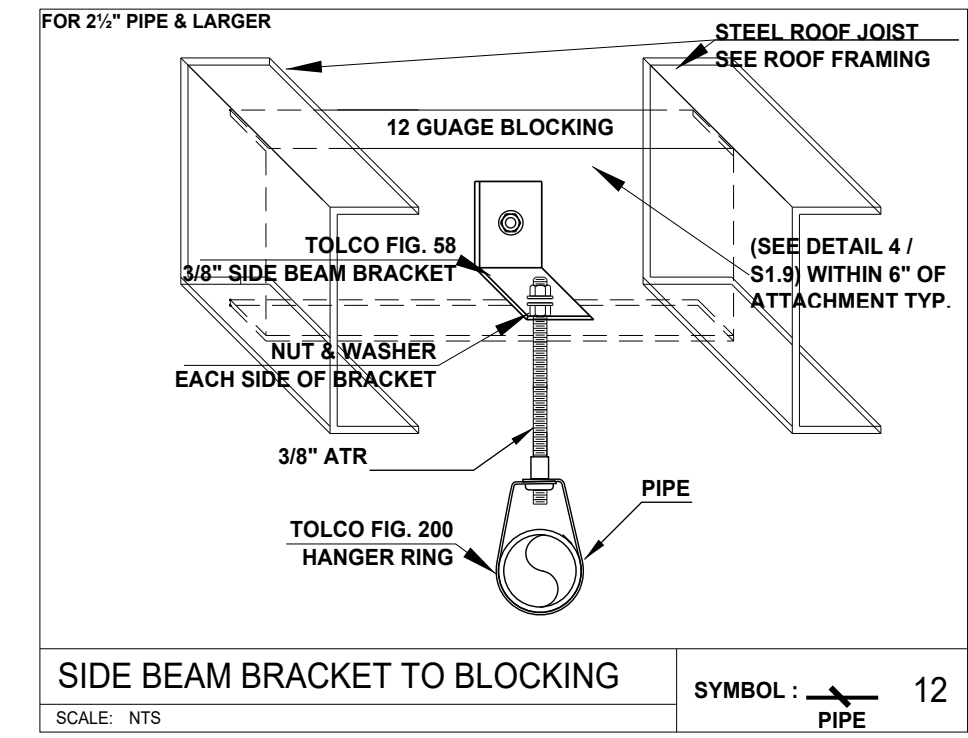
4.2 Ratings and Physical Characteristics

Parameter	Value
Minimum operating pressure	7 psi (0.5 bar)
Maximum rated pressure	UL: 250 psi (17 bar) FM and CE: 175 psi (12 bar)
Factory tested pressure	500 psi (35 bar)
Thread size	1/2" NPT or 15 mm BSPT
Normal K-factor	5.6 U.S. (80.6)
Minimum temperature rating (glass bulb)	-65 °F (-55 °C)



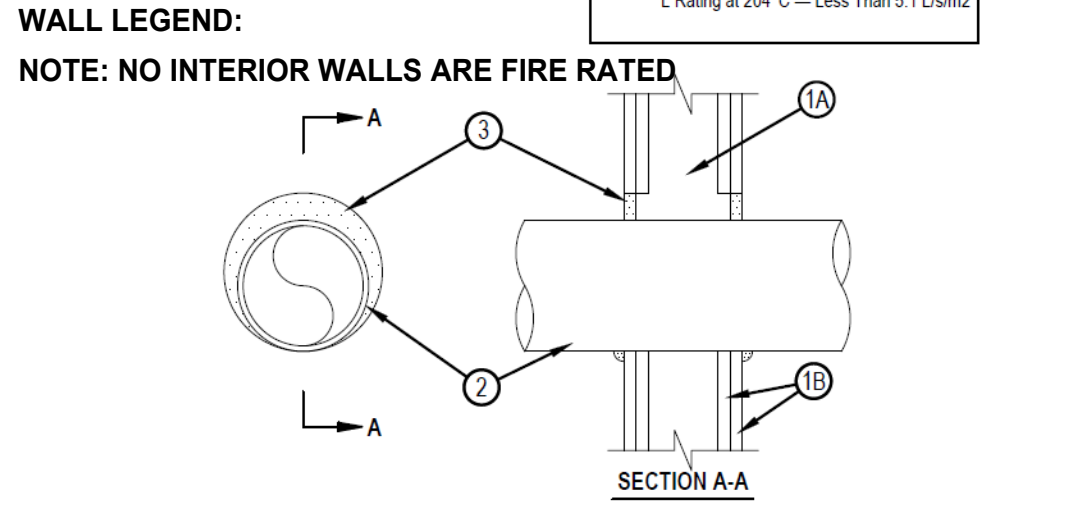
Ref	Description	Value
A	Response type	QR: Quick Response
B	Listings and Approvals	See sections 3 and 5
C	Sprinkler type	SSU: Standard Spray Upright
D	Manufacture date (year)	See marking
E	Normal temperature rating	See marking
F	Manufacturers Sprinkler Identification Number (SIN)	VK3001
G	Normal pipe engagement	7/16" (11 mm)
H	Height	1-15/16" (40 mm)

VIKING UPRIGHT



System No. W-L-1054

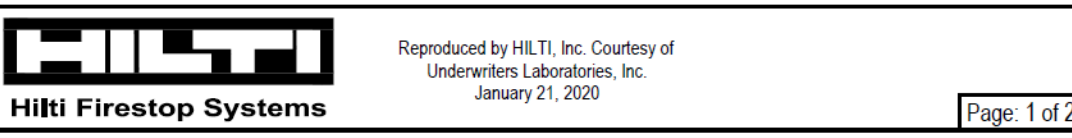
ANSI/UL478 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Items 1 and 3)	F Ratings — 1 and 2 Hr (See Items 1 and 3)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating (Without Movement) at Ambient — Less Than 1 CFM/ft ²	FTH Ratings — 1 and 2 Hr (See Items 1 and 3)
L Rating (Without Movement) at 400°F — Less Than 1 CFM/ft ²	FTH Rating — 0 Hr
M Rating (Movement) — See Table 1	FTH Rating — 0 Hr
	L Rating at Ambient — Less Than 5 L/ft ² /hr
	L Rating at 204°C — Less Than 5 L/ft ² /hr



1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. For M Rating, steel studs to be min 3-5/8 in. (92 mm) wide. When steel studs are used and the dam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. (102 to 152 mm) wider and 4 to 6 in. (102 to 152 mm) higher than the dam of the penetrating item and that, when the penetrating item is installed in the opening, a 2 to 3 in. (51 to 76 mm) clearance is present between the penetrating item and the framing on all four sides.

B. Gypsum Board — 5/8 in. (16 mm) thick, 4 8 (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max dam of opening is 52-1/4 in. (1318 mm) for steel stud walls. Max dam of opening is 14-1/2 in. (368 mm) for wood stud walls. The F and FH Ratings of the firestop system are equal to the fire rating of the wall assembly. The M Rating is applicable only to 1 hr rated walls.



System No. W-L-1054

2. Through-Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 2-1/4 in. (57 mm). Pipe may be installed with continuous point contact. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe — Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Iron Pipe — Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.

C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) diam steel conduit.

D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.

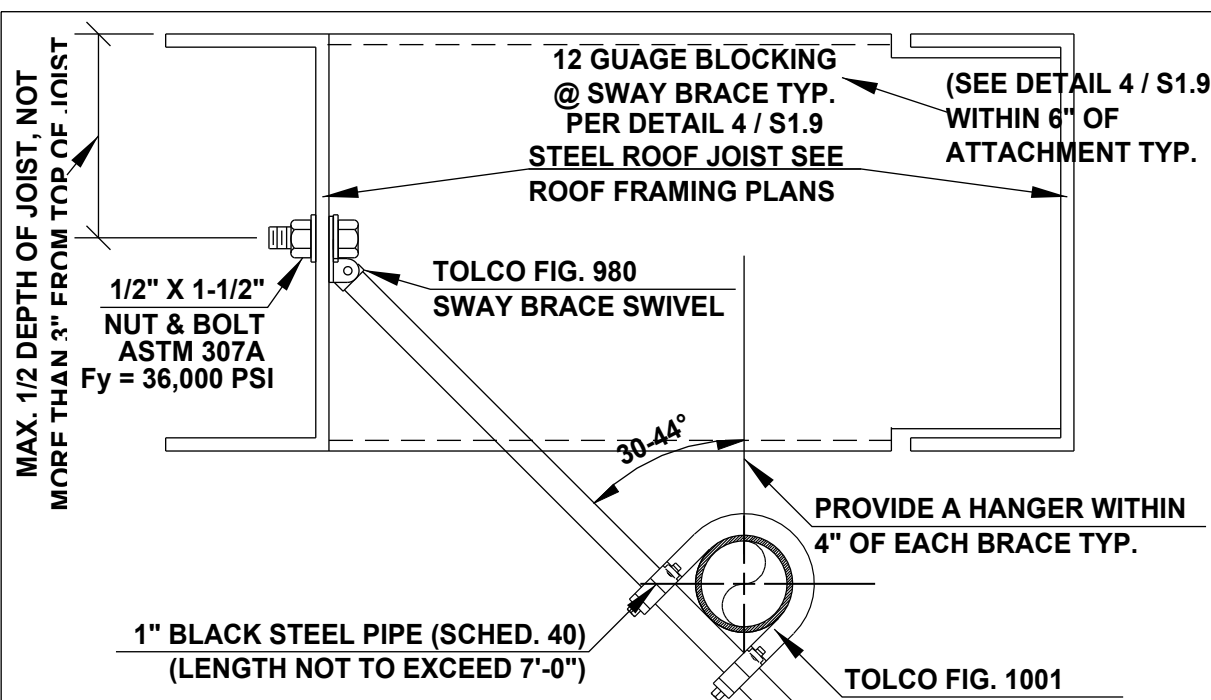
E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) regular (or heavier) copper pipe.

3. Fill, Void or Cavity Material — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continue contact locations between pipe and wall, a min 1/2 in. (13 mm) band broad of fill material shall be applied at the pipe wall interface on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant

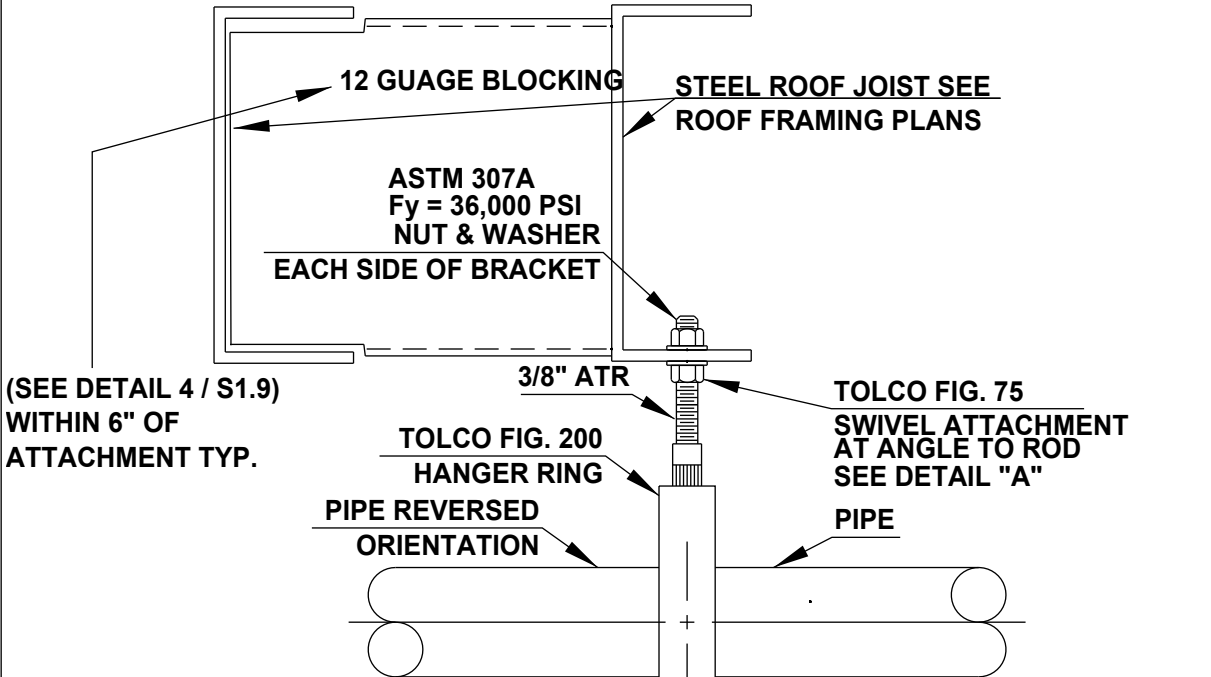
Movement Direction	Penetrant Item	Nominal Penetrant Diameter	Annular Space	Movement	Sealant Depth	F-Rating	L Rating with Movement
Y	2A, 2C*	2 in.	Max 2-1/4 in.	5%	5/8 in.	1 hr	N/A
Z	2A, 2C*	2 in.	2-1/4 in.	0.25 in.	5/8 in.	1 hr	N/A

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



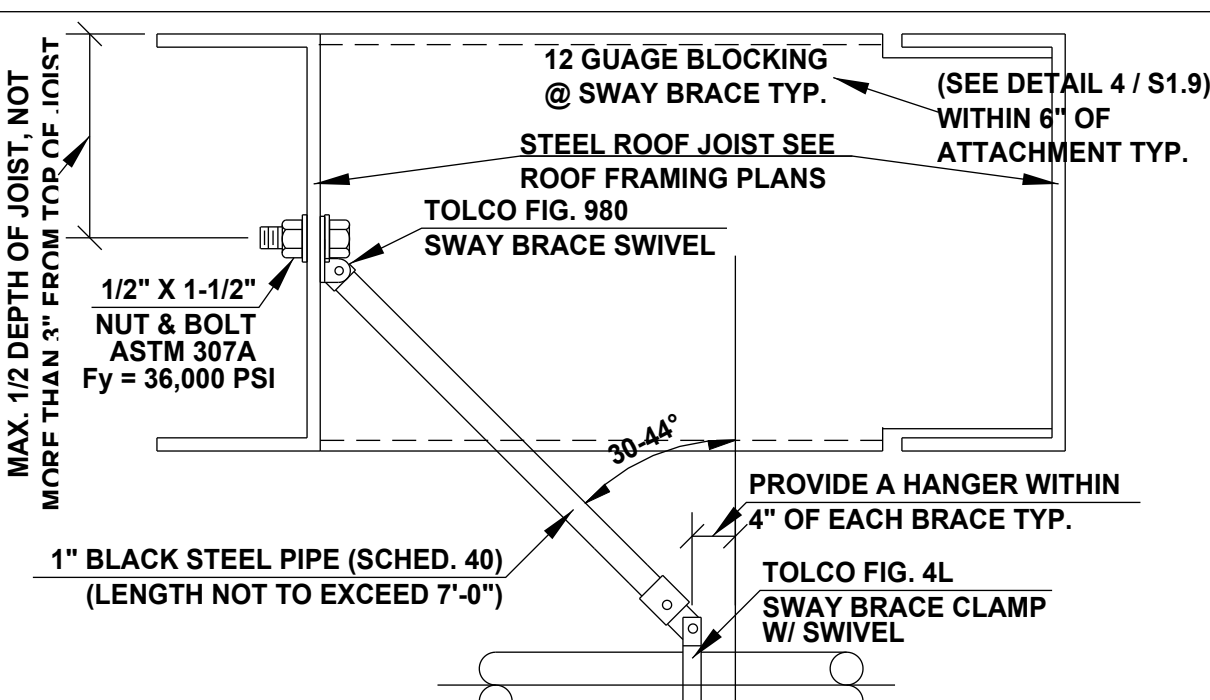
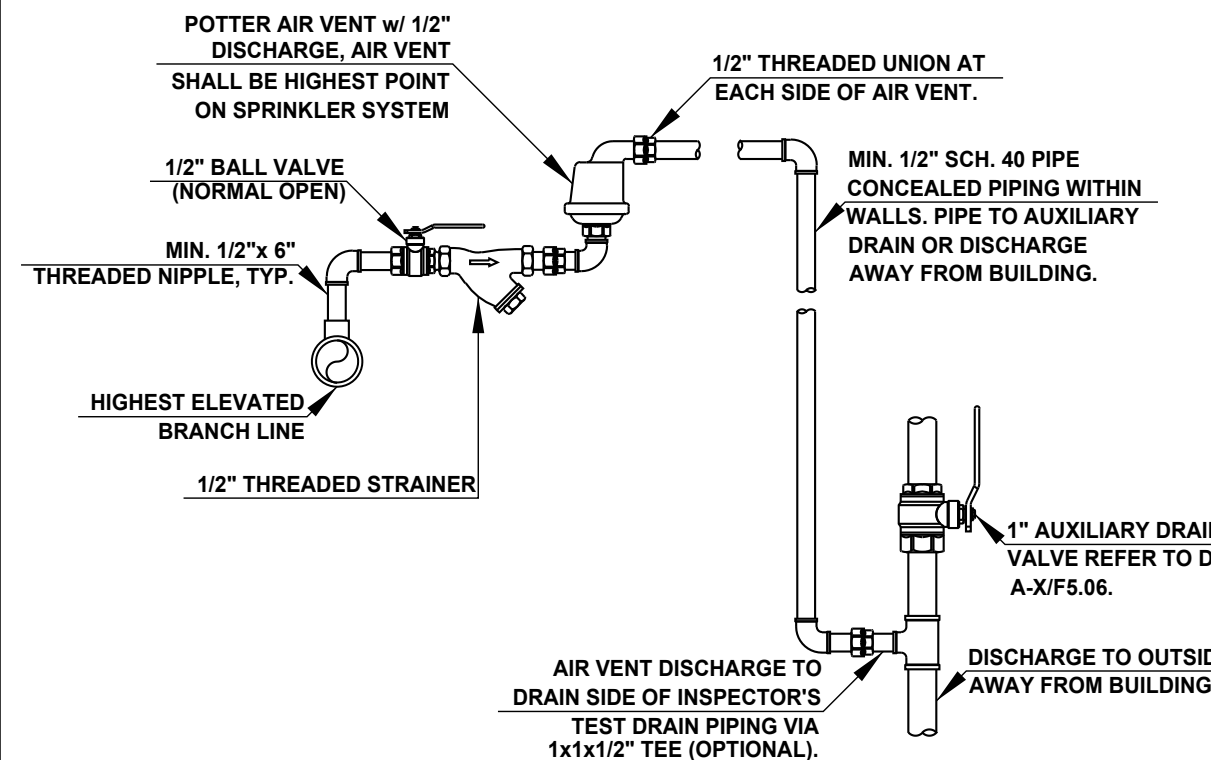
MAX. SPACING 40'-0" MOD) 30'-0" BETWEEN LATERAL BRACES
6'-0" MAX. DISTANCE FROM END OF MAIN TYP.
LATERAL BRACE FOR MAINS UP TO 2'-1/2"

LATERAL SEISMIC BRACING	SYMBOL :	PIPE	EQ3
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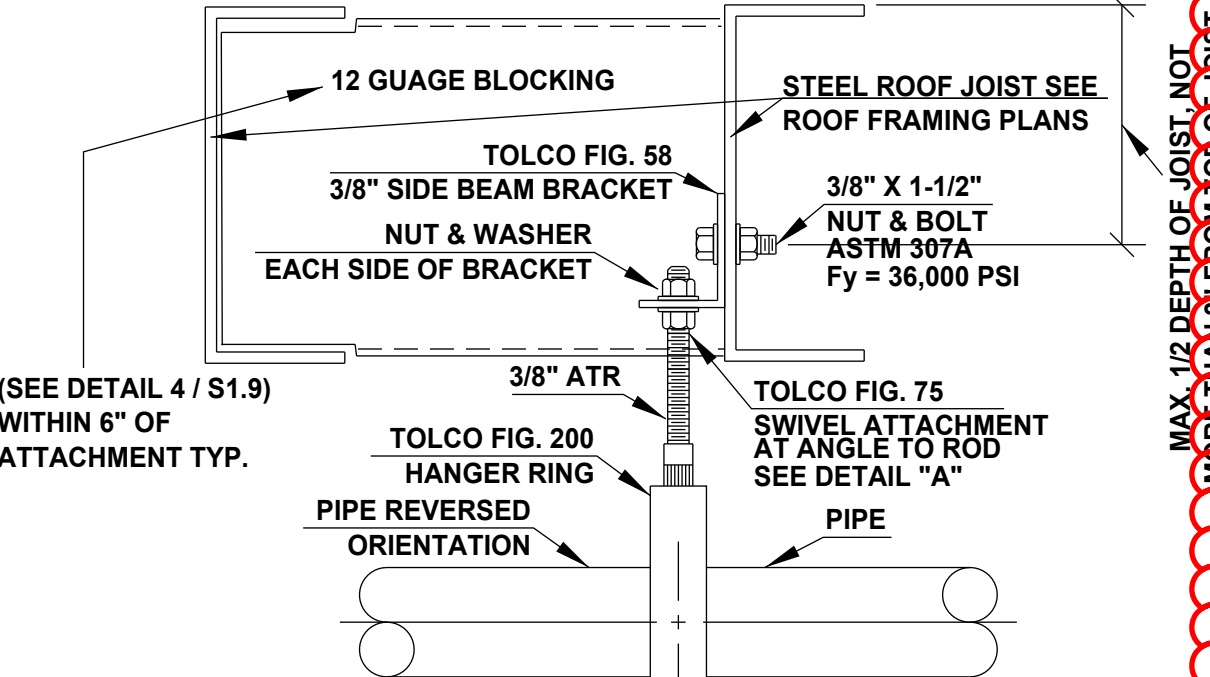
MAX HANGER SPACING IS 12'-0" FOR 1" THROUGH 1-1/2" THREADED BRANCH LINES

HANGER #11 - STRAIGHT HANGER	SYMBOL :	PIPE	11
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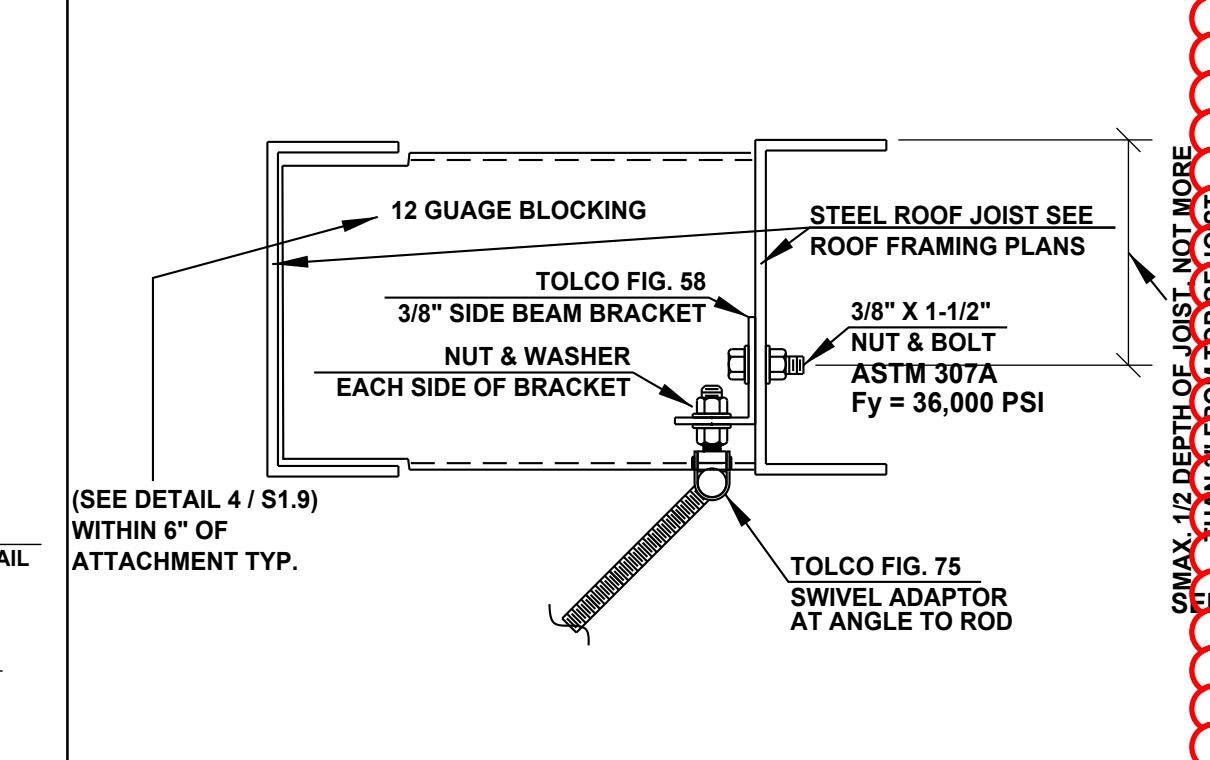
MAX. SPACING 80'-0" BETWEEN LONGITUDINAL BRACES
40'-0" MAX. DISTANCE FROM END OF MAIN TYP.
LONGITUDINAL BRACE FOR MAINS UP TO 2'-1/2"

LONGITUDINAL SEISMIC BRACING	SYMBOL :	PIPE	EQ4
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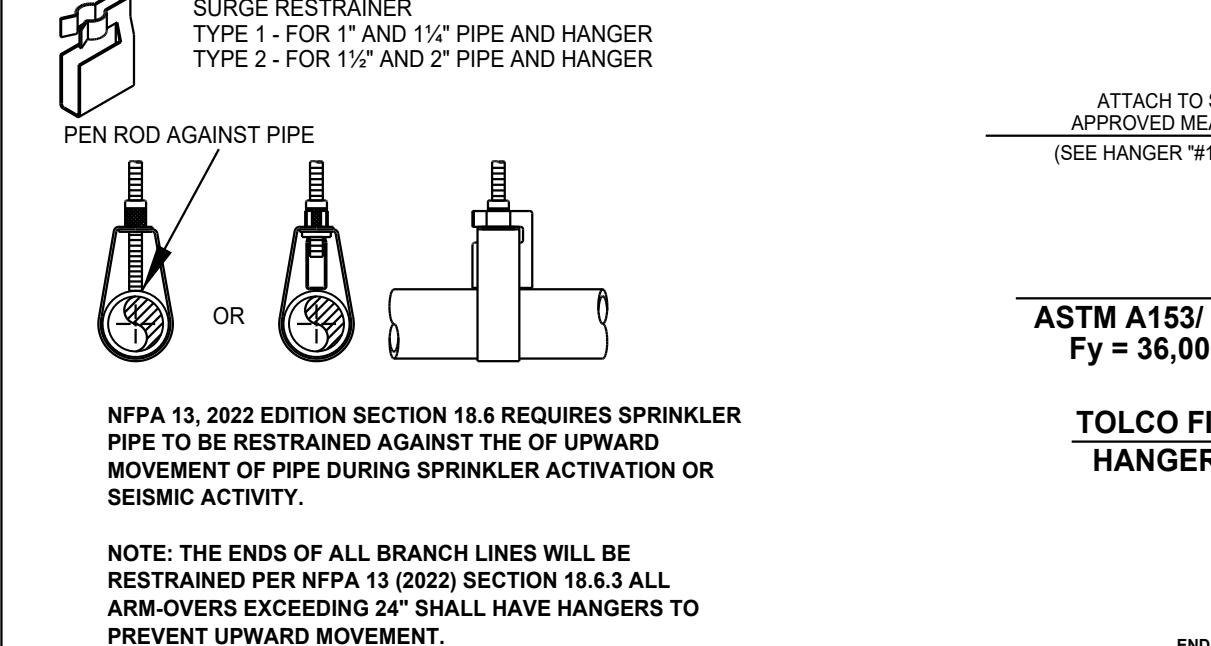


MAX HANGER SPACING IS 15'-0" FOR 2'-1/2" WELDED MAINS

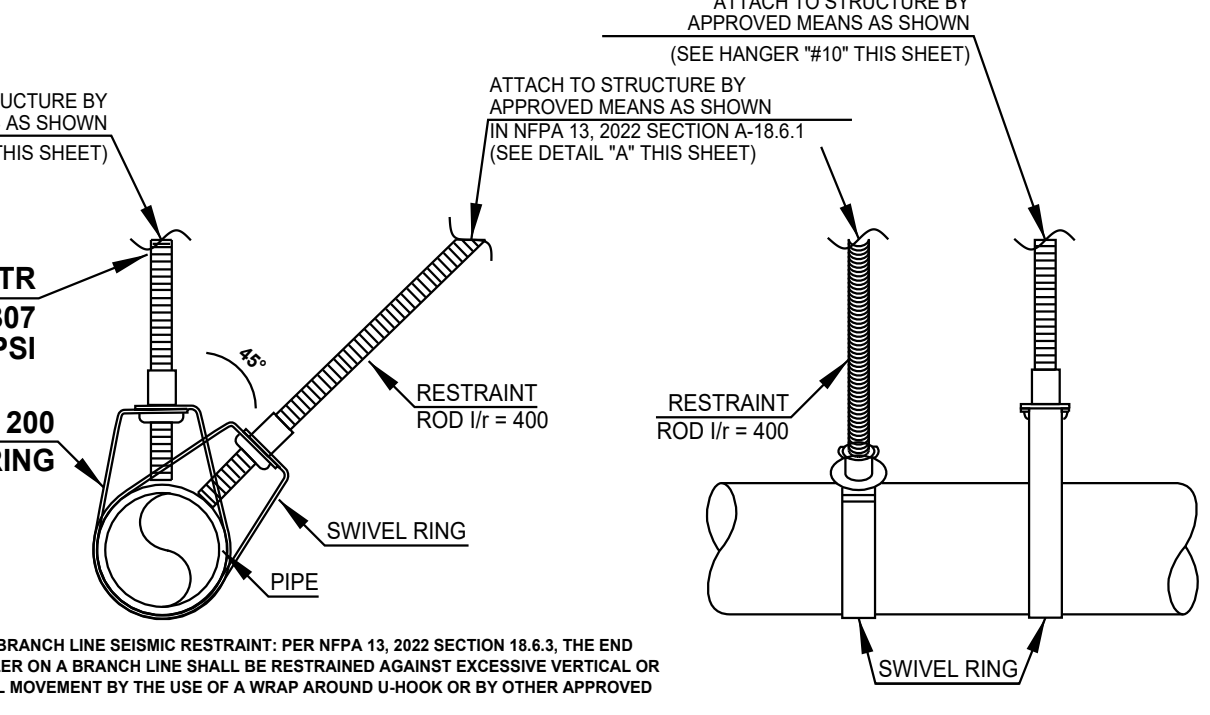
HANGER #10 - THREADED SIDE BEAM BRACKET	SYMBOL :	PIPE	10
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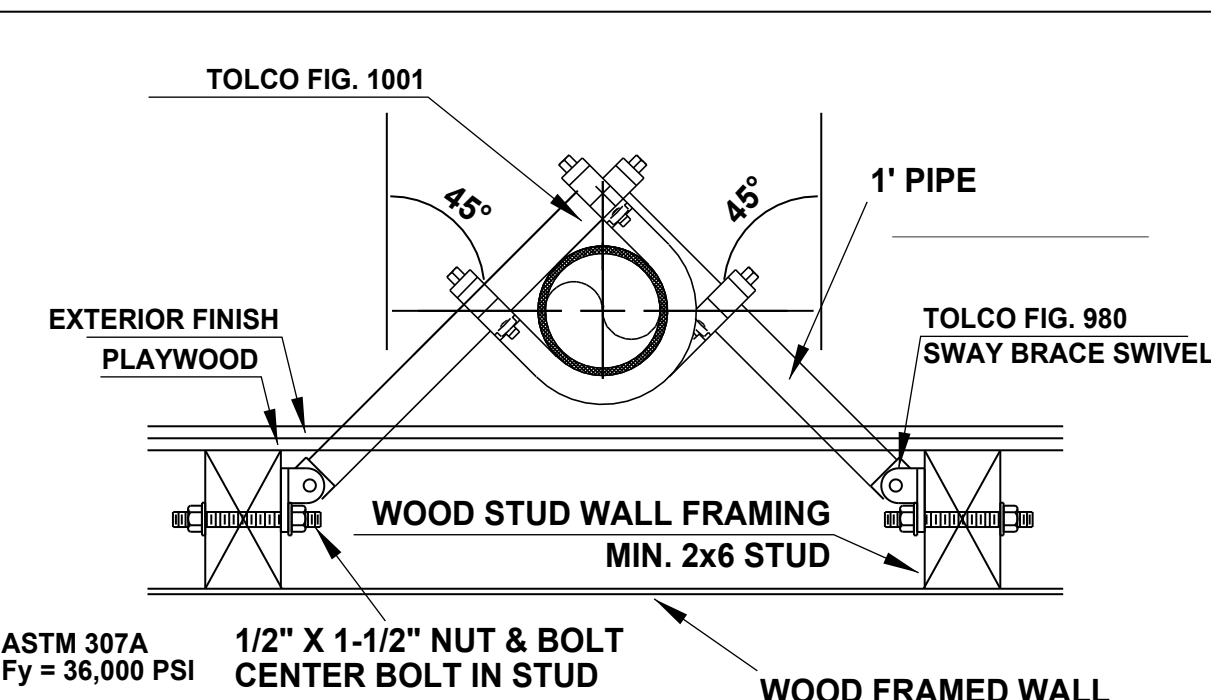
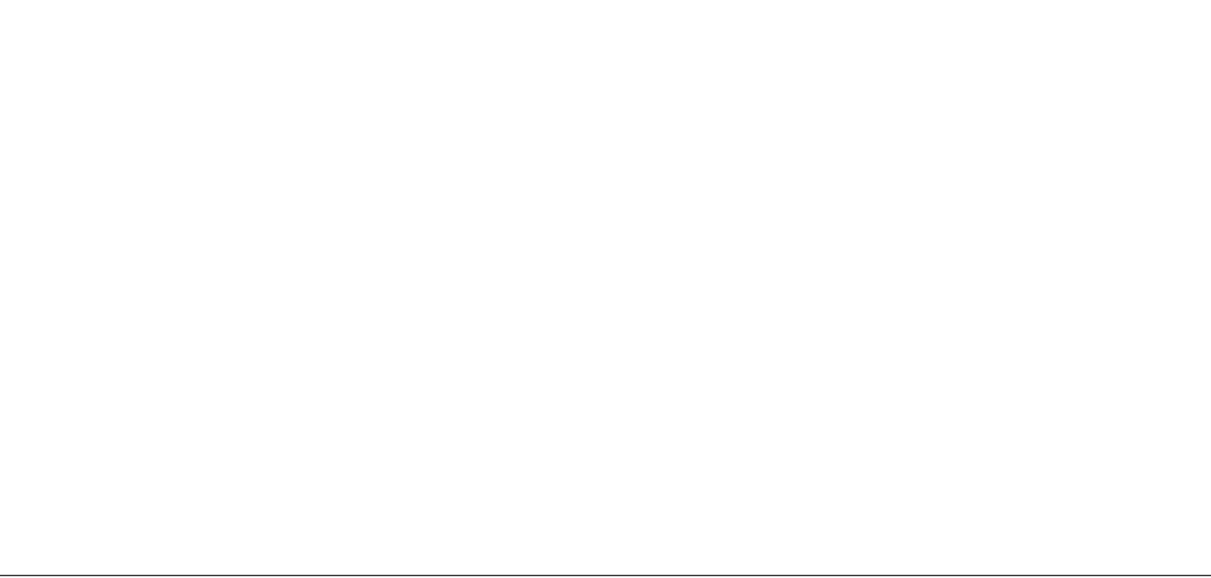
AIR VENTING VALVE	SYMBOL :	PIPE	AV
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DETAIL "A"	SYMBOL :	PIPE	A
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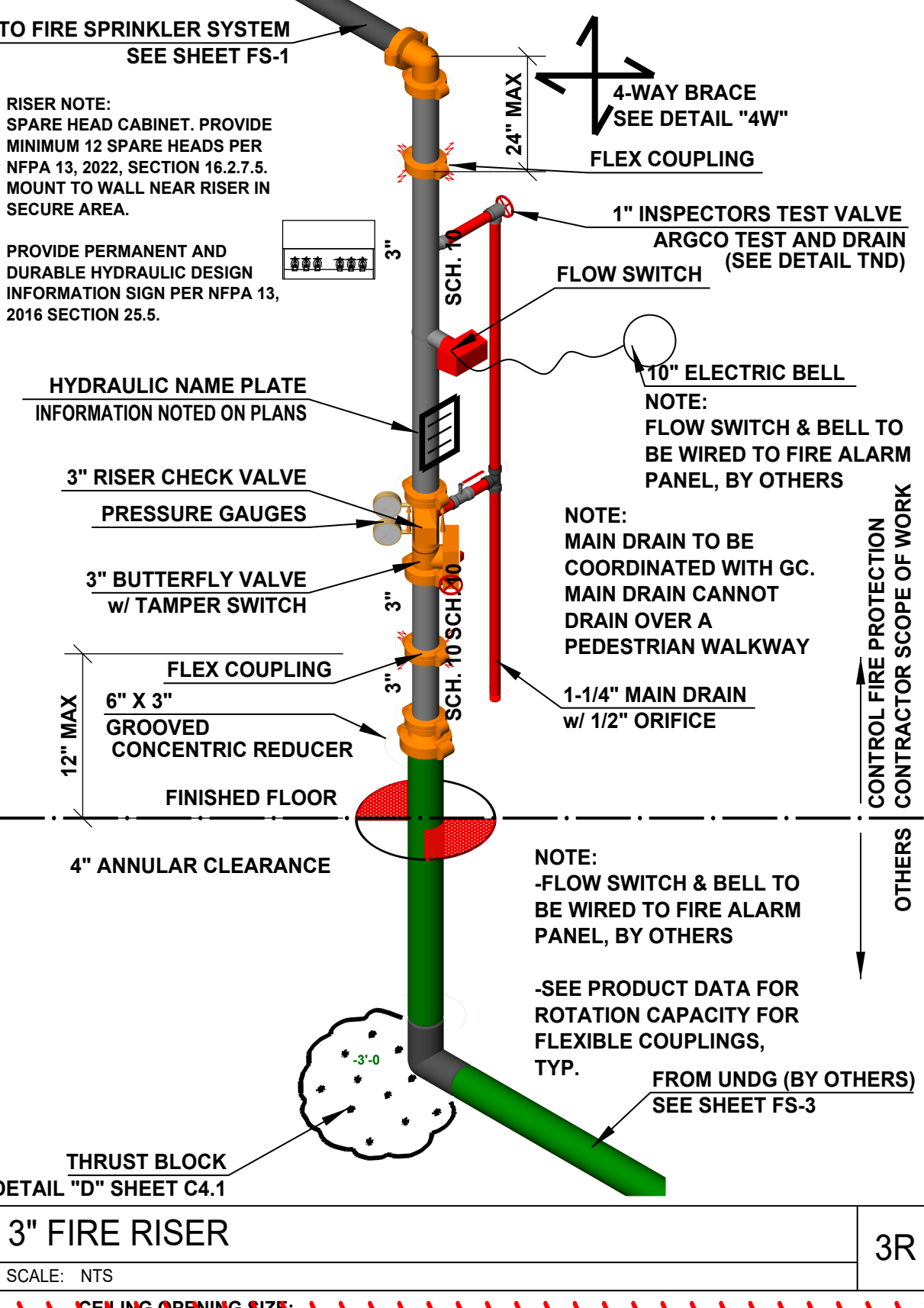


END OF LINE RESTRAINT	SYMBOL :	PIPE	LR
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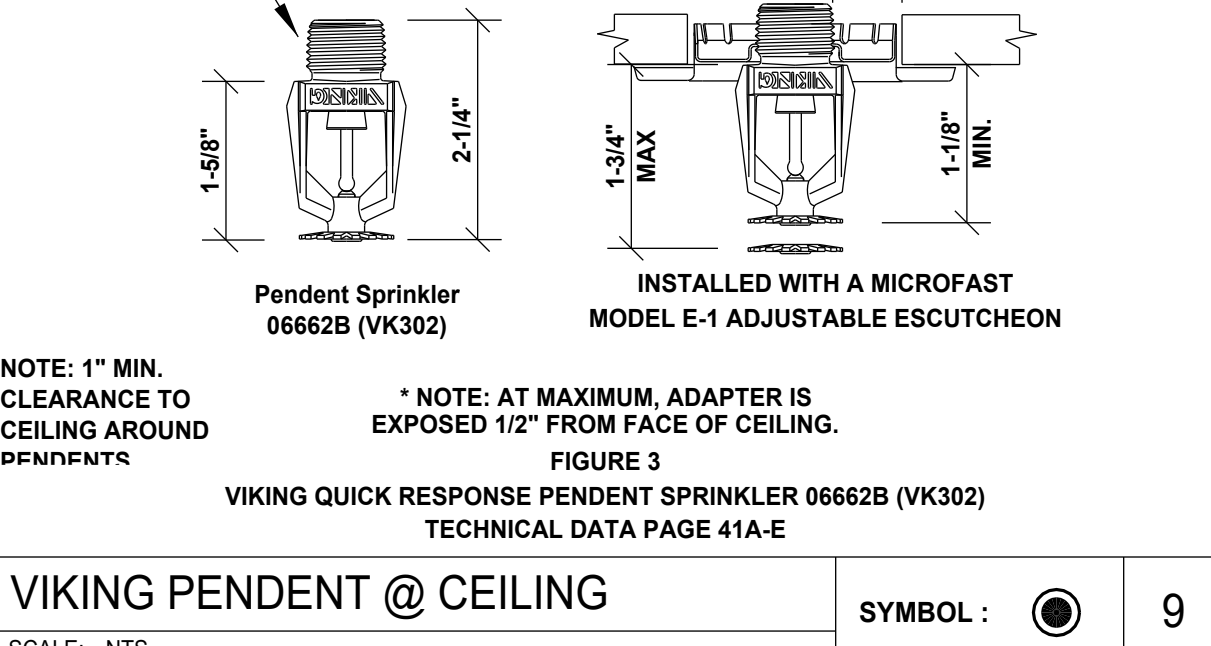


MAX. SPACING 80'-0" BETWEEN LONGITUDINAL BRACES
40'-0" MAX. DISTANCE FROM END OF MAIN TYP.
LONGITUDINAL BRACE FOR MAINS UP TO 2'-1/2"

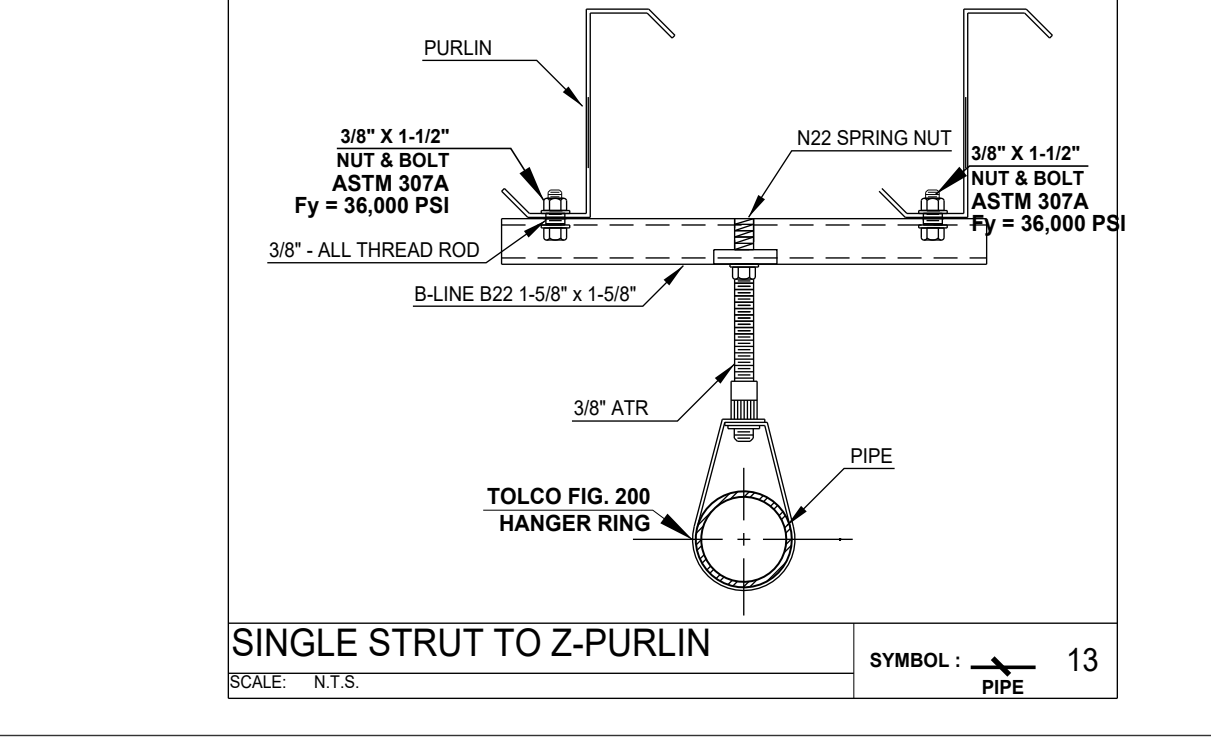
4-WAY RISER BRACE	SYMBOL :	PIPE	4W
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3" FIRE RISER	SYMBOL :	PIPE	3R
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VIKING PENDENT @ CEILING	SYMBOL :	PIPE	9
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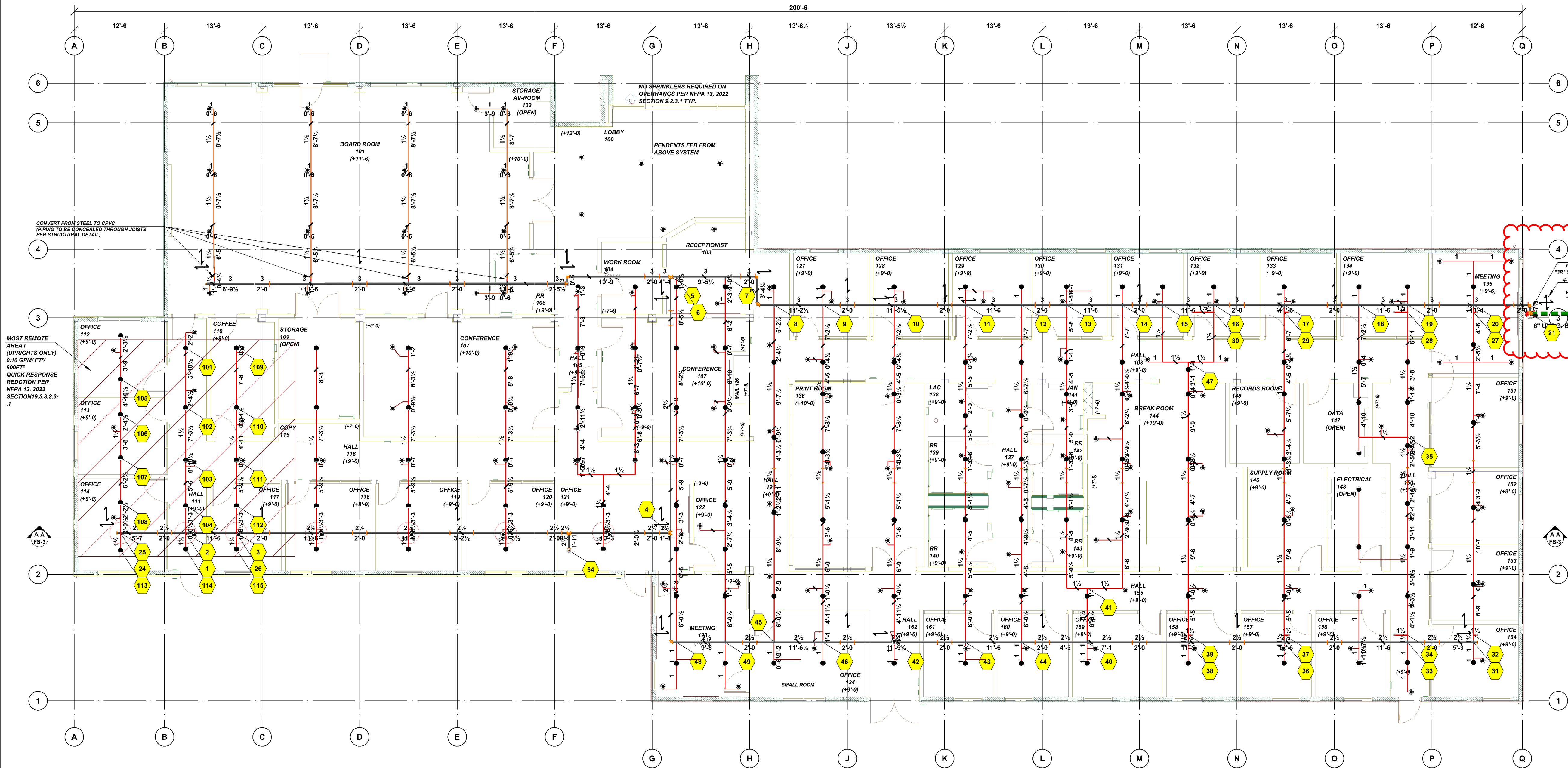
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DSA APPLICATION #:

PROJECT NO.
03-1246

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SYMBOLS	
	HYDRAULIC REFERENCE POINT
	PIPE NUMBER REFERENCE POINT
	LATERAL SEISMIC BRACE (DETAIL: EQ1)
	LONGITUDINAL SEISMIC BRACE (DETAIL: EQ2)
	4-WAY SEISMIC BRACE (DETAIL: 4R)
	HANGER ON PIPE (DETAIL: 10-13)
	LINE-RESTRAINT (DETAIL: LR & 10)
	SYSTEM RISER (ASR)
ABBREVIATIONS	
ATR	ALL THREADED ROD
ATR - 1/2" = 200	
B-C	BOTTOM OF BEAM TO CENTERLINE OF PIPE
J-C	BOTTOM OF JOIST PURLINE TO CENTERLINE OF PIPE
D-C	BOTTOM OF DECK TO CENTERLINE OF PIPE
FF-C	FINISHED FLOOR TO CENTERLINE OF PIPE
TS-C	TOP OF STEEL TO CENTERLINE OF PIPE
NTS	NOT TO SCALE
NIC	NOT IN CONTRACT
UNO	UNLESS NOTED OTHERWISE
MAIN ELEV.	MAIN ELEVATION CALLOUT
LINE ELEV.	BRANCHLINE ELEVATION CALL OUT

FIRE SPRINKLER PIPING PLAN

PIPE MATERIALS / SCHEDULES:
1" OR SMALLER PIPE: SCH. 40
1-1/4" - 4" PIPE: SCH. 10
6" OR LARGER PIPE: SCH. 10

FITTINGS: DUCTILE IRON SCREWED FITTINGS
& GROOVED FITTINGS UNO

EDUCATIONAL OCCUPANCY AFSS DESIGN CRITERIA:

- LIGHT HAZARD: CLASSROOMS; OFFICES; AUDITORIUMS; LIBRARY READING AREAS WITHOUT HIGH STACKS.
- ORDINARY HAZARD GROUP 1: KITCHENS; MULTI-PURPOSE ROOMS; LARGE STORAGE AREAS; STAGES (AS DEFINED IN 2022 CBC 410.2)
- ORDINARY HAZARD GROUP 2: SCIENCE LABS; VOCATIONAL SHOPS; STAGES 1,000 SQ.FT. IN AREA OR >50FT IN HEIGHT, LIBRARY READING AREAS WITH HIGH STACKS.

*NFPA 13, A.5.1, A.5.3.1, A.5.3.2: IF ALSO FUNCTIONS AS MULTI-PURPOSE ROOM, USE ORDINARY HAZARD GROUP 1.

SMALL ROOM RULE PER NFPA 13, 2022 SECTION 10.2.5.2.3.1:
SPRINKLERS SHALL BE PERMITTED TO BE LOCATED NOT MORE THAN 9 FT FROM ANY SINGLE WALL.

PER NFPA 13, 2022 SECTION: 9.2.3.1
SPRINKLERS SHALL BE PERMITTED TO BE OMITTED WHERE THE EXTERIOR CANOPIES, ROOFS, PORTE-COCHERES, BALCONIES, DECKS, AND SIMILAR PROJECTIONS ARE CONSTRUCTED WITH MATERIALS THAT ARE NONCOMBUSTIBLE, LIMITED-COMBUSTIBLE, OR FIRE RETARDANT-TREATED WOOD AS DEFINED IN NFPA 703, OR WHERE THE PROJECTIONS ARE CONSTRUCTED UTILIZING A NONCOMBUSTIBLE FRAME, LIMITED-COMBUSTIBLES, OR FIRE RETARDANT-TREATED WOOD WITH AN INHERENTLY FLAME-RESISTANT FABRIC OVERLAY AS DEMONSTRATED BY TEST

OCCUPANCY CLASSIFICATION: LIGHT HAZ.
CONSTRUCTION TYPE: COMBUSTIBLE OBSTRUCTED
MAIN ELEVATION:
3" MAIN: 10'-4 FF-C, 0'-6 BB-C, 1'-4 D-C TYP. UNO

MAIN HANGERS:
3" MAIN: #10 (0'-11)

BRANCHLINE ELEVATION:
1-1/2" BL: VARIOUS FF-C, 0'-6 D-C TYP. UNO
1-1/2" BL: #10 (0'-11) TYP. UNO
NOTE: FINISHED FLOOR ELEVATIONS MAY NOT BE EXACT
USE D-C & J-C DIMENSIONS TO SET PIPE ELEVATIONS

DIMENSION and WEIGHTS

NPS	OD		BLACK PLAIN END					
			Sch. 10		Sch. 40			
	Inch	mm	Wall	Weight Lb./Ft	Wall	Weight Lb./Ft	Weight Lb./Ft	Weight Lb./Ft
1/2"	.840	21.3						
3/4"	1.050	26.7	.083	2.11	.109	2.77	.85	
1"	1.315	33.4	.109	2.77	.133	3.38	1.68	
1-1/4"	1.660	42.2	.109	2.77	.140	3.56	2.27	
1-1/2"	1.900	48.3	.109	2.77	.145	3.68	2.72	
2"	2.375	60.3	.109	2.77	.154	3.91	3.66	
2-1/2"	2.875	73.0	.120	3.05	.203	5.16	5.80	
3"	3.500	88.9	.120	3.05	.216	5.49	7.58	
3-1/2"	4.000	101.6	.120	3.05	.226	5.74	9.12	
4"	4.500	114.3	.120	3.05	.237	6.02	10.80	
5"	5.563	141.3	.134	3.40	.258	6.55	14.63	
6"	6.625	168.3	.134	3.40	.280	7.11	18.99	
8"	8.625	219.1	0.188*	4.78	.322	8.18	28.58	

(*) Not Schedule 10.

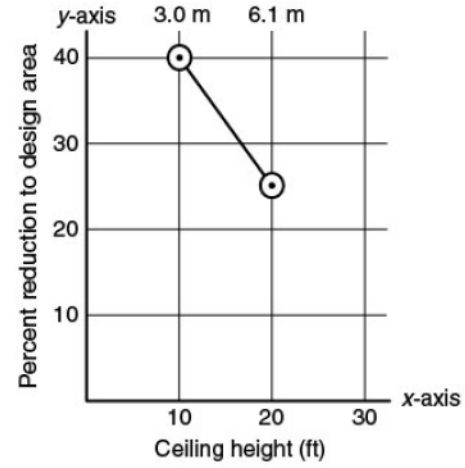
Table 18.6.4(a) Maximum Spacing [ft (m)] of Steel Pipe Restraints

Pipe [in. (mm)]	Seismic Coefficient, C_p		
	$C_p \leq 0.50$	$0.5 < C_p \leq 0.71$	$0.71 < C_p \leq 1.40$
1/2 (15)	34 (10.3)	29 (8.8)	20 (6.1)
3/4 (20)	38 (11.6)	32 (9.7)	23 (7.0)
1 (25)	43 (13.1)	36 (11.0)	26 (7.9)
1 1/4 (32)	46 (14.0)	39 (11.9)	27 (8.2)
1 1/2 (40)	49 (14.9)	41 (12.5)	29 (8.8)
2 (50)	53 (16.1)	45 (13.7)	31 (9.4)

19.2.3.2.3.1
Where listed quick-response sprinklers, including extended coverage quick-response sprinklers, are used throughout a system or portion of a system having the same hydraulic design basis, the system area of operation shall be permitted to be reduced without revising the density as indicated in Figure 19.2.3.2.3.1 when all of the following conditions are satisfied:

- Wet pipe system
- Light hazard or ordinary hazard occupancy
- 20 ft (6.1 m) maximum ceiling height
- No unprotected ceiling pockets as allowed by 10.2.9 and 11.2.7 exceeding 32 ft² (3.0 m²)
- No unprotected areas above cloud ceilings as allowed by 9.2.7

Figure 19.2.3.2.3.1 Design Area Reduction for Quick-Response Sprinklers.



Note: $y = -3x + 55$ for U.S. Customary Units

Note: $y = -4.8x + 54.6$ for S.I. Units

For ceiling height ≥ 10 ft and ≤ 20 ft, $y = -3x + 55$

For ceiling height < 10 ft, $y = 40$

For ceiling height > 20 ft, $y = 0$

For SI units, 1 ft = 0.31 m.

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

Ss = 1.13

Cp = .62

NOTES:

PER NFPA 13, 2022 W/ CALIFORNIA AMENDMENTS
18.5.9.3 & 18.6.4(A).

Table 18.5.9.3 Seismic Coefficient Table

S_s	Default C_p	Site Class-Specific C_p			
		A	B	C	D
0.33 or less	0.24	0.13	0.14	0.21	0.24
0.4	0.28	0.15	0.17	0.25	0.28
0.5	0.33	0.19	0.21	0.31	0.33
0.6	0.37	0.23	0.26	0.36	0.37
0.7	0.41	0.27	0.30	0.40	0.41
0.8	0.45	0.30	0.34	0.45	0.45
0.9	0.51	0.34	0.38	0.51	0.48
1.0	0.56	0.38	0.42	0.56	0.52
1.1	0.62	0.42	0.47	0.62	0.55
1.2	0.68	0.45	0.51	0.68	0.58
1.3	0.73	0.49	0.55	0.73	0.61
1.4	0.79	0.53	0.59	0.79	0.66
1.5	0.84	0.56	0.63	0.84	0.70
1.6	0.90	0.60	0.68	0.90	0.75
1.7	0.96	0.64	0.72	0.96	0.80
1.8	1.01	0.68	0.76	1.01	0.84
1.9	1.07	0.71	0.80	1.07	0.89

Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note
	Viking	VK302	Microfast	140	5.6	Pendent	1/2	Quick	White	155°F	
	Viking	VK3001	XT1	140	5.6	Upright	1/2	Quick	Brass	200°F	
				Total = 280							

HYDRAULIC SYSTEM

THIS BUILDING IS PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC SPRINKLER SYSTEM.

Location: FAIRFAX DISTRICT OFFICE
6327 ZEPHYR LANE
MRA I

STANDARD NFPA 13, 2022

OCCUPANCY CLASS LIGHT HAZ.

MAX. COVERAGE PER HEAD 130 SQ.FT.

DENSITY 0.10 GPM / Ft² FOR 900 Ft²

TOTAL HOSE STREAM 100 GPM

ORIFICE 1/2" SPRINKLERS 15 K-FACTOR 5.6

WATER FLOW INFO TOTAL DEMAND

STATIC: 78 PSI PRESSURE 42.94 PSI

RESIDUAL: 42 PSI FLOW 339.80 GPM

FLOW: 2664 GPM

AT BASE OF RISER, SYSTEM REQUIRES:

239.80 GPM @ 40.86 PSI

SAFETY MARGIN (PSI) 34.26 PSI

CONTROL FIRE PROTECTION, INC.
1347 OGDEN ST.
BAKERSFIELD, CA. 93305
661-322-1681

HYDRAULIC SYSTEM

THIS BUILDING IS PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC SPRINKLER SYSTEM.

Location: FAIRFAX DISTRICT OFFICE
6327 ZEPHYR LANE
MRA II

STANDARD NFPA 13, 2022

OCCUPANCY CLASS LIGHT HAZ.

MAX. COVERAGE PER HEAD 130 SQ.FT.

DENSITY 0.10 GPM / Ft² FOR 900 Ft²

TOTAL HOSE STREAM 100 GPM

ORIFICE 1/2" SPRINKLERS 15 K-FACTOR 5.6

WATER FLOW INFO TOTAL DEMAND

STATIC: 78 PSI PRESSURE 44.06 PSI

RESIDUAL: 42 PSI FLOW 353.95 GPM

FLOW: 2664 GPM

AT BASE OF RISER, SYSTEM REQUIRES:

253.95 GPM @ 41.94 PSI

SAFETY MARGIN (PSI) 33.08 PSI

CONTROL FIRE PROTECTION, INC.
1347 OGDEN ST.
BAKERSFIELD, CA. 93305
661-322-1681

Sprinkler Legend

Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note
	Viking	VK302	Microfast	140	5.6	Pendent	1/2	Quick	White	155°F	
	Viking	VK3001	XT1	140	5.6	Upright	1/2	Quick	Brass	200°F	
				Total = 280							

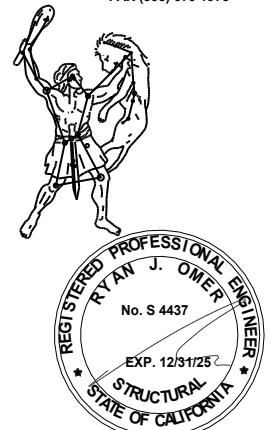


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DISTRICT OFFICE
FAIRFAX SCHOOL DISTRICT
6327 ZEPHYR LANE
BAKERSFIELD, CA 93307

DRAWN BY: CHECKED BY:

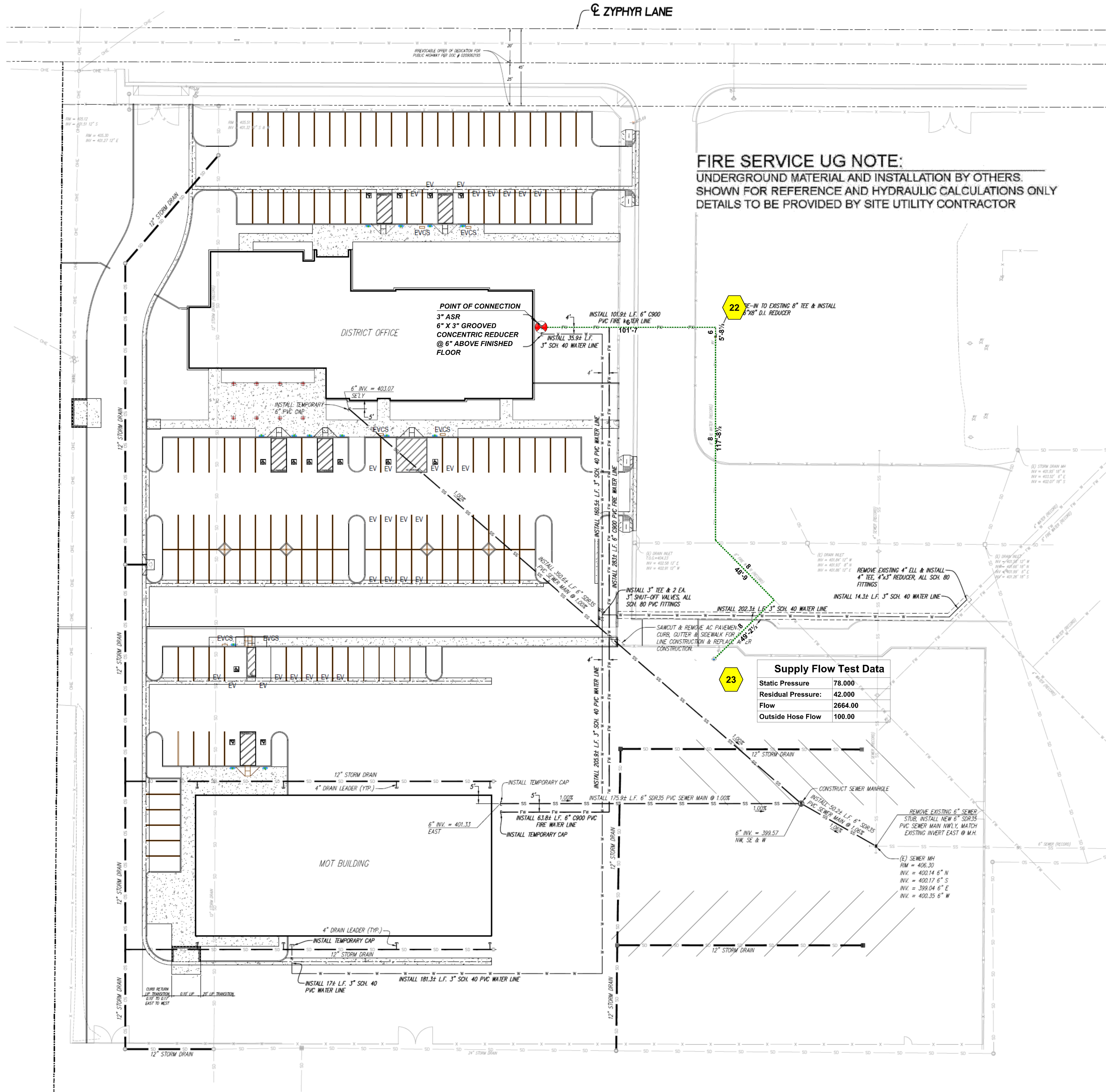
DSA APPLICATION #:

PROJECT NO.

03-1246

DRAWING

FS-1.0



SITE PLAN (FOR NODE TAG REFERENCE) SCALE: 1" = 60'-0



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DISTRICT OFFICE
FAIRFAX SCHOOL DISTRICT
6327 ZEPHYR LANE
BAKERSFIELD, CA 93307
DRAWING TITLE
FIRE SPRINKLER PLAN (SITE PLAN FOR NODES)

DRAWN BY: CHECKED BY:

DSA APPLICATION #:

PROJECT NO.
03-1246

DRAWING
FS-4.0