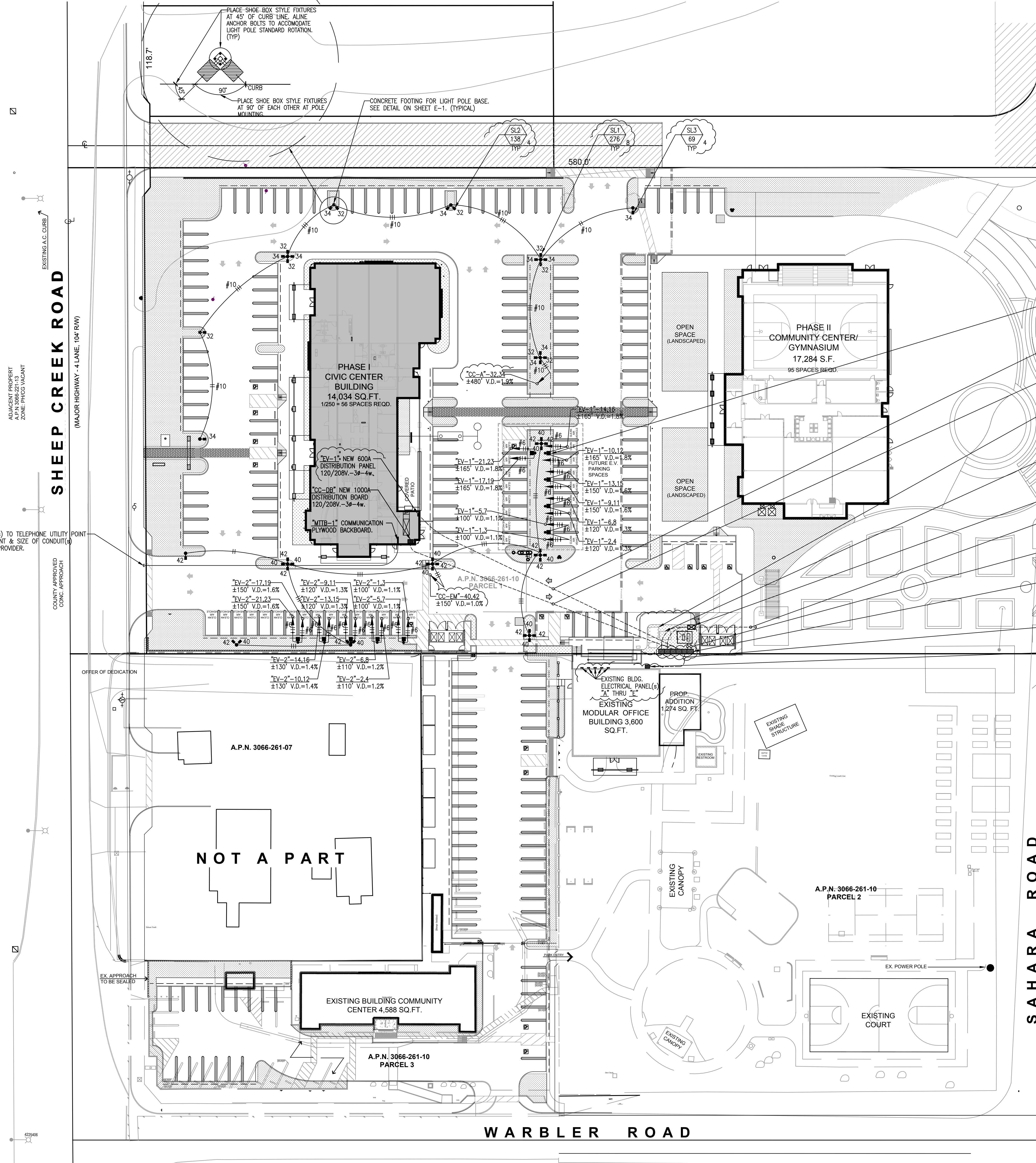


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**UTILITY PULL BOX NOTE:**  
 1) PROVIDE 3x5 PULL BOXES AS REQUIRED BY ENFORCEMENT AGENCY.  
 2) PULL BOXES IN ALL TRAFFIC AREAS SHALL HAVE A TRAFFIC LID.  
 3) PULL BOXES THAT ARE INTENDED FOR CHANGE OF DIRECTION OF THE CONDUCTORS, THE SIZE OF THE BOX WILL BE BASED UPON THE MAXIMUM ALLOWABLE BEND RADIUS OF THE WIRE SIZE AND TYPE USED.

**GENERAL NOTES**  
 1. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND MAKE HIMSELF FAMILIAR WITH ALL CONDITIONS. HE SHALL ADJUST HIS BID TO INCORPORATE ALL AREAS AFFECTED BY RENOVATIONS NOT DIRECTLY SHOWN ON HIS PLANS. HIS BID SHALL BE COMPLETE FOR A OPERABLE AND COMPLETE SYSTEM. NO EXTRAS WILL BE HONORED FOR FAILURE TO VISIT THE JOB SITE.  
 2. ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH ALL GOVERNING NATIONAL, COUNTY, LOCAL CODES, OSHA, AND THE 2019 CALIFORNIA ELECTRICAL CODE.  
 3. ALL WIRE TO BE COPPER TYPE "THHN/THWN", UNLESS NOTED OTHERWISE.  
 4. NOTE: SUPERVISORY ALARM SYSTEM IF APPLICABLE, E.C. SHALL FURNISH AND INSTALL (1) 3/4"ø. FROM DETECTOR CHECK VALVE TO BUILDING AND (1) 3/4"ø. FROM EACH P.I.V. TO ITS RESPECTIVE SPRINKLER RISER IN BUILDING. SEE SPRINKLER DRAWINGS FOR EXACT LOCATIONS.  
 5. PROVIDE 36" HIGH 4" DIA. STEEL TUBE CONCRETE FILLED BOLLARD 40" ON CENTER (O.C.) AND A MINIMUM OF 42" FROM FACE OF ALL ELECTRICAL SWITCHGEAR, TRANSFORMERS, PANELS ETC. WITHIN ALL TRAFFIC AREAS AS REQUIRED. PAINT BOLLARDS SAFETY YELLOW.  
 6. INSTALL CONDUITS PER TABLE 300-5 AS FOLLOWS:  
 A) PVC 18" MINIMUM COVER IN ALL LANDSCAPE AND PLANTING AREAS.  
 B) PVC 24" MINIMUM COVER IN ALL PARKING AND DRIVE AREAS.  
 C) ELECTRICAL UTILITY C.E. PVC-30" MINIMUM COVER.  
 D) TELEPHONE UTILITY PVC-24" MINIMUM COVER.  
 7. ALL WORK TO COMPLY WITH 2019 CALIFORNIA ELECTRICAL CODE, 2019 CALIFORNIA ENERGY EFFICIENCY STANDARDS AND 2019 CALIFORNIA GREEN BUILDING STANDARDS AND CITY OF NEWBERRY SPRINGS AMENDMENTS TO THE CODE.

**NOTE:** Provide All Outdoor Light Pole Standards and Building Mounted Light Fixtures within Site With Light Shields and or Hoods to Minimize Glare onto Adjacent Property. And/Or Light Fixtures to be "Night Friendly" as per Light Manufacturer Specifications. And/Or Light Fixture Styles Installed to Not Have the Light Source No More Than 90 Degrees Tilt from Plane of Property Grade

**NOTE:** ELECTRICAL CONTRACTOR TO VERIFY DIMENSIONS OF SWITCHGEAR AND ADVISE GENERAL CONTRACTOR OF DIMENSIONS FOR EQUIPMENT PLACEMENT.

**RG&D, MULTI-COND. PLACEMENT**

**IMPORTANT NOTICE**  
 SECTION 42141.07 OF THE GOVERNMENT CODE REQUIRES A DIGALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID. FOR YOUR DIGALERT ID NUMBER CALL UNDERGROUND SERVICE ALERT. CALL YOUR LOCAL OFFICE TWO WORKING DAYS BEFORE YOU DIG.

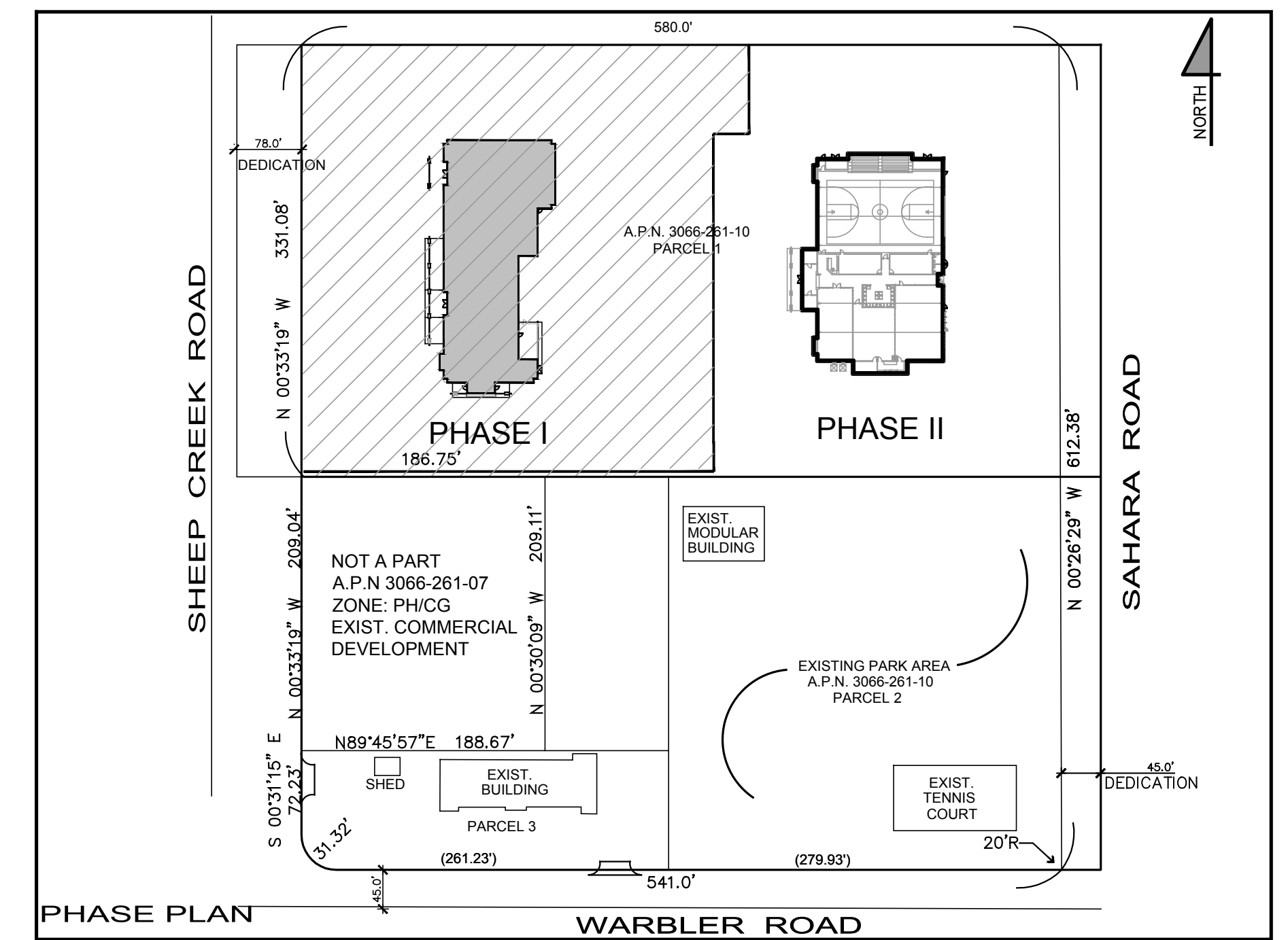
**UNDERGROUND NOTE**  
 THE UTILITY CONDUIT SHOWN ON THESE PLANS IS CONCEPT ONLY. PLEASE REFER TO INDIVIDUAL UTILITY PLANS FOR EXACT LOCATION AND ROUTING.

**DIMENSIONING NOTE**  
 UNLESS SPECIFICALLY DIMENSIONED, ALL PANEL AND CONDUIT LOCATIONS ARE FOR DIAGRAMMATIC PURPOSES ONLY AND ARE SUBJECT TO PLACEMENT FOR FIELD CONDITIONS.

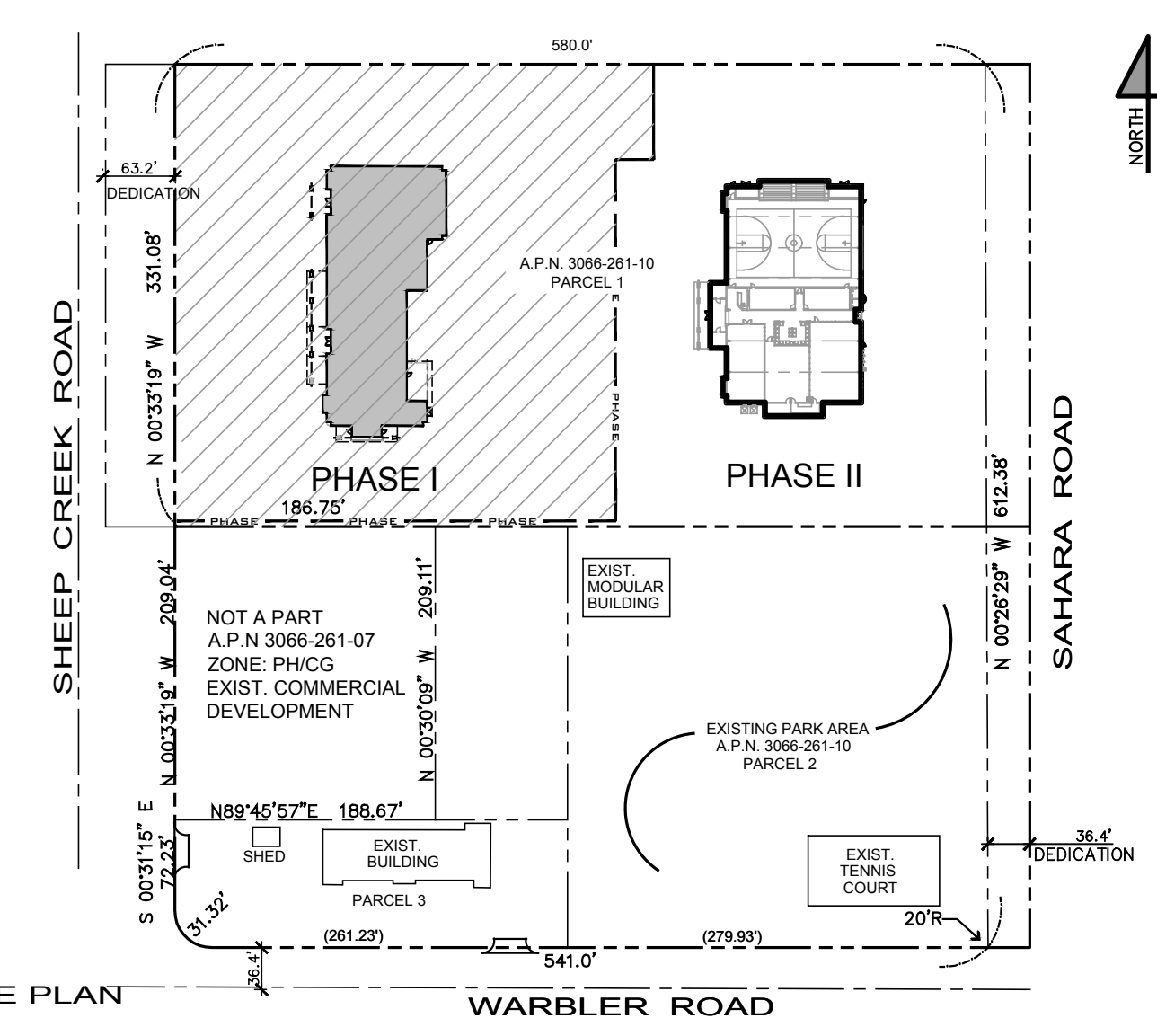
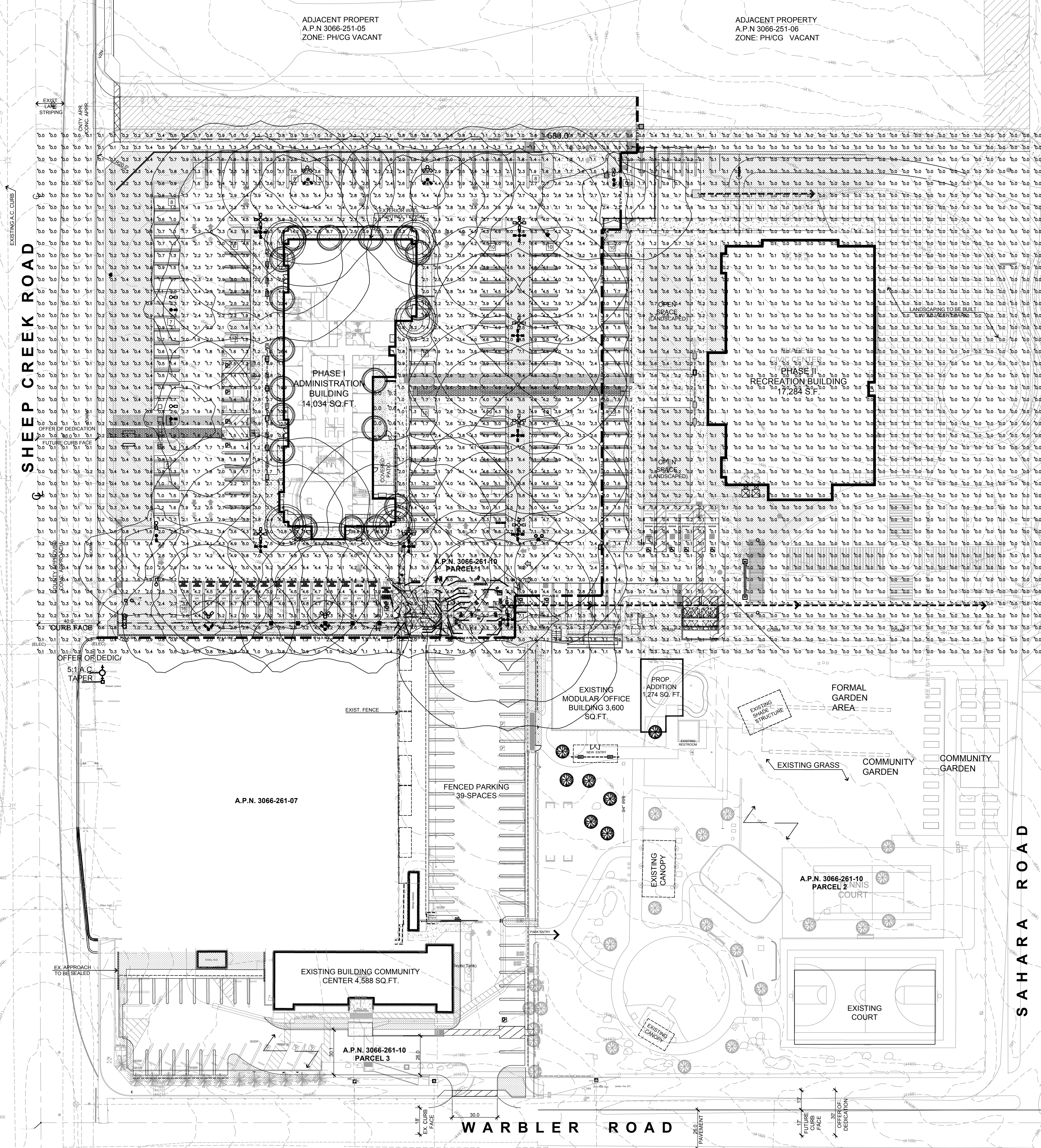
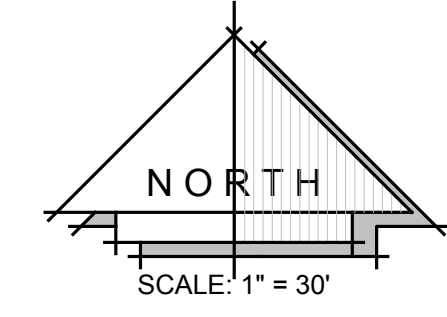
**811 CALL 811 BEFORE YOU DIG AT LEAST TWO DAYS BEFORE YOU DIG**

**DIGALERT**

A FREE PUBLIC SERVICE PROVIDED BY UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA



<p><b>STEENO</b>          DESIGN STUDIO INC.          ARCHITECTURE • DESIGN • PLANNING          11774 HESPERIA ROAD, SUITE B • HESPERIA, CA 92345          PHONE (760) 244-5001 • FAX (760) 244-1948          WWW.STEENODESIGN.COM</p>	<p>DATE FINISHED  <b>MAY 2022</b></p>	<p>THESE PLANS SHALL COMPLY WITH THE 2019 CALIFORNIA ELECTRICAL CODE, 2019 CALIFORNIA ENERGY EFFICIENCY STANDARDS AND 2019 CALIFORNIA GREEN BUILDING STANDARDS.</p>	<p>PROJECT: CIVIC CENTER BUILDING</p>	<p>JOB NO.          COM20-L01/01</p>	<p>PAGE  <b>E-0</b></p>
	<p>REVISIONS</p> <ul style="list-style-type: none"> <li>DEV. CODE_02/14/22</li> <li>BLDG_CODE_02/14/22</li> <li>BLDG_CODE_08/08/22</li> <li>ELECTRICAL_08/09/22</li> <li>SEPTIC_10/27/22</li> </ul>	<p>THESE DOCUMENTS AND THE DESIGN AND IDEAS INCORPORATED HEREIN AS AN INSTRUMENT OF A PROFESSIONAL SERVICE ARE THE SOLE PROPERTY OF STEENO DESIGN STUDIO INC. ANY USE, IN WHOLE OR IN PART FOR WHICH THEY WERE NOT PROVIDED SHALL BE UNLAWFUL.</p>	<p>PROJECT: PHELAN PIÑON HILLS C.S.D.</p>	<p>SITE ADDRESS:          A.P.N. 3066-261-10          8630 SHEEP CREEK ROAD          PHELAN, CA 92379</p>	<p>CONTACT:          DON BARTZ</p>

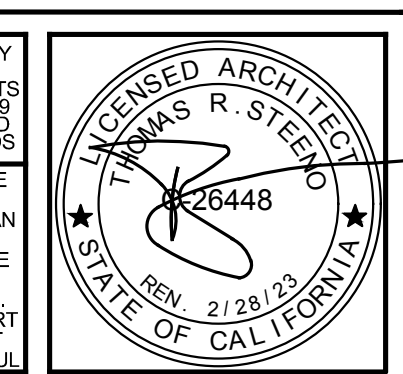


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DATE FINISHED	MAY 2022
REVISIONS	<ul style="list-style-type: none"> <li>▲ DEV_CODE_021422</li> <li>▲ BLDG_CODE_021422</li> <li>▲ BLDG_CODE_080822</li> <li>▲ ELECTRICAL_093022</li> <li>▲ SEPTIC_102722</li> </ul>

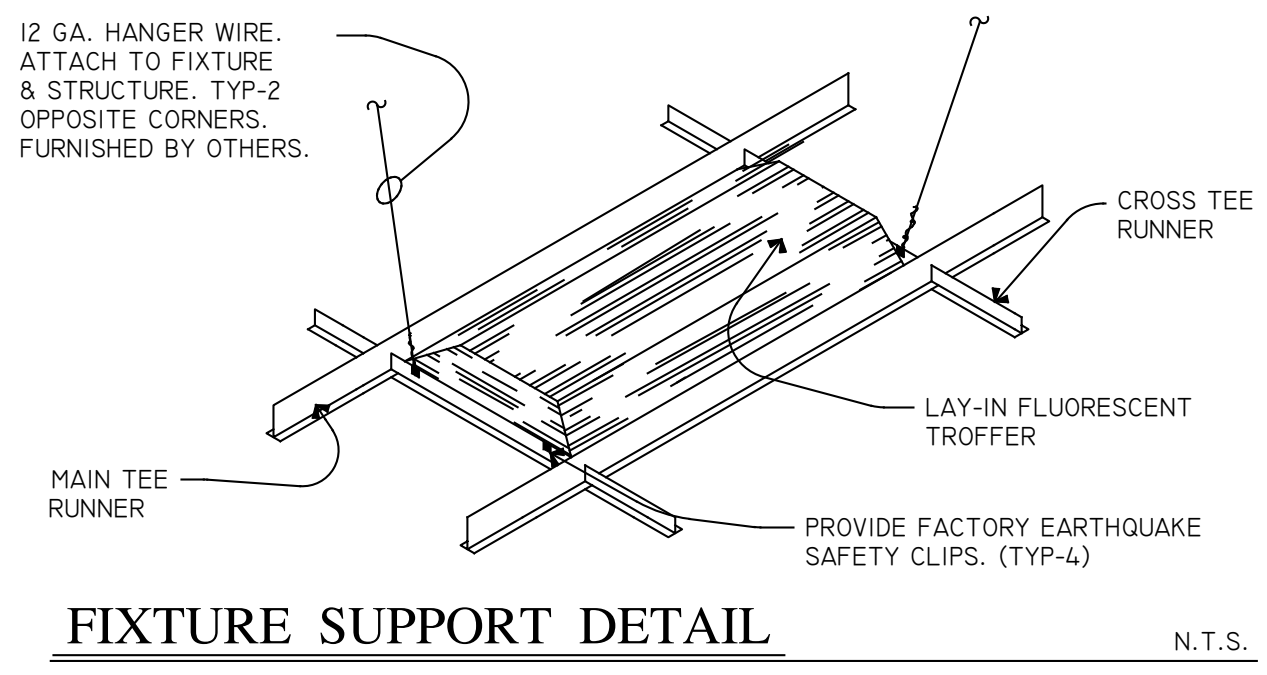
THESE PLANS SHALL COMPLY WITH THE CALIFORNIA BUILDING CODE AND THE 2019 ENERGY STANDARDS. THESE DOCUMENTS AND THE DESIGN IDEAS ARE AN INSTRUMENT OF A PROFESSIONAL DESIGNER AND ARE THE SOLE PROPERTY OF STEENO DESIGN STUDIO INC. ANY USE, IN WHOLE OR IN PART, FOR WHICH THEY WERE NOT PROVIDED SHALL BE UNLAWFUL.



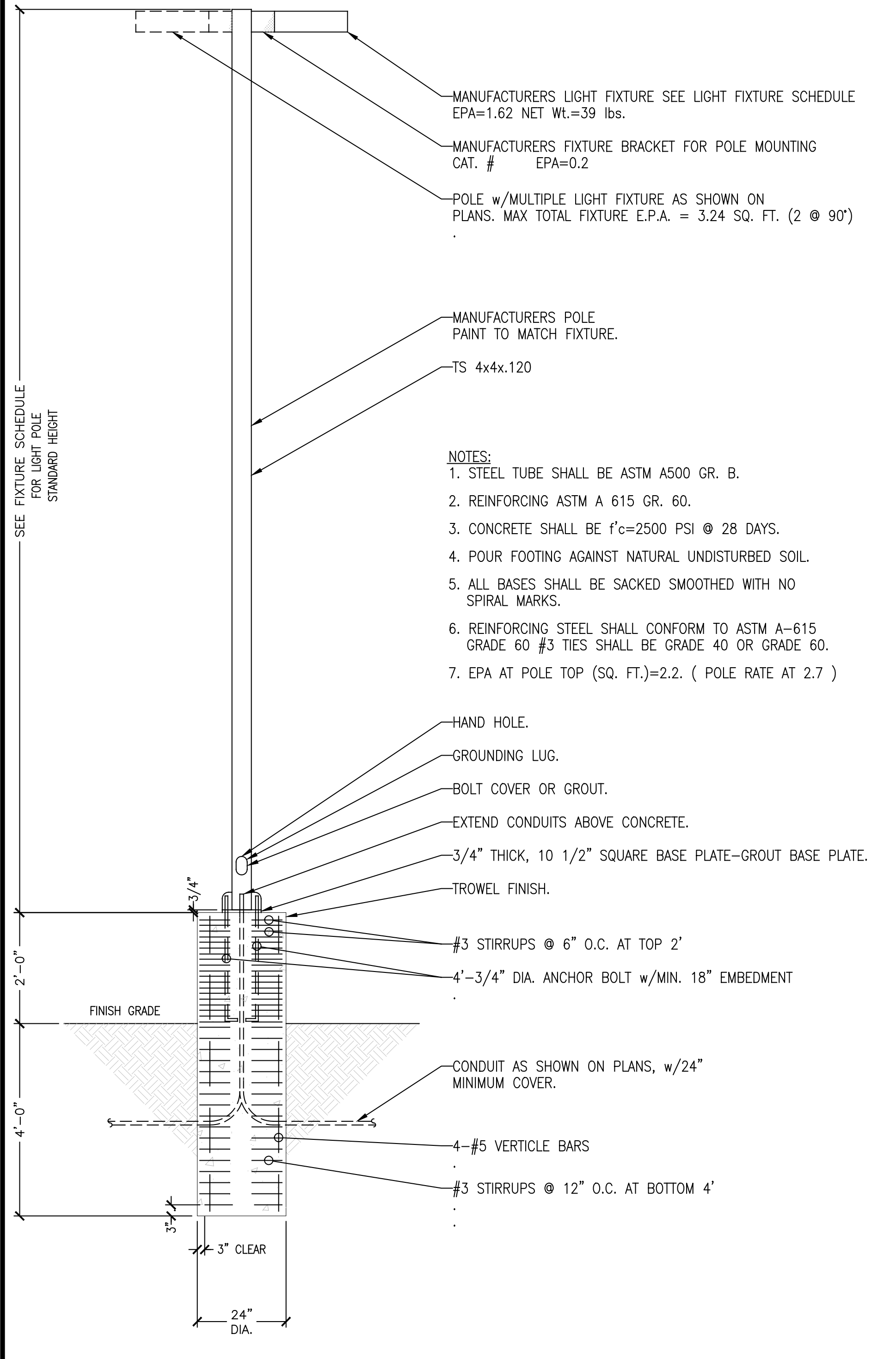
PROJECT: CIVIC CENTER BUILDING	JOB NO: COM20-L01/01	PAGE
<b>PHELAN PIÑON HILLS C.S.D.</b>	SHEET NAME:	<b>E-0.1</b>
SITE ADDRESS: A.P.N. 3066-261-10 9335 SHEEP CREEK ROAD PHELAN, CA 92329	CONTACT: DON BARTZ	

JOB NO: COM20-L01/01	PAGE
SHEET NAME: SITE PLAN PHOTOMETRIC	<b>E-0.1</b>

STANDARD ABBREVIATIONS				
A	AMP	AMPERES	GFP	GROUND FAULT PROTECTION
AFF	AMP	ABOVE FINISHED FLOOR	HP	HORSEPOWER
AT	AMP	AMP FRAME	J.B.	JUNCTION BOX
AWG	BLDG.	AMERICAN WIRE GAUGE	KAIC	KILO AMPERE INTERRUPTING CURRENT CAPACITY
B	BLDG.	BUILDING	KVA	KILOVOLTS AMPERE
CB	CL	CIRCUIT BREAKER	KW	KILOWATTS
CL	CL	CONTINUOUS LOAD	LM	LARGEST MOTOR LOAD
CKT	CL	CIRCUIT	ML	MOUNTING HEIGHT
C.O.	CU	CONDUIT ONLY	NO.	NUMBER
CU	CU	COPPER	P	POLE
DISC. SW.	DISC.	DISCONNECT SWITCH	PH	PHASE
(E)	EX	EXISTING	PANEL	PANEL
EQUIP.	EQUIP.	EQUIPMENT	PNL	PANEL
FLA	FLA	FULL LOAD AMPS	TRF	TRANSFORMER
G.	GND.	GROUND	TYP	TYPICAL
GFI	GFI	GROUND FAULT INTERRUPTER	V	VOLTS
			W	WIRE
			WP	WEATHERPROOF



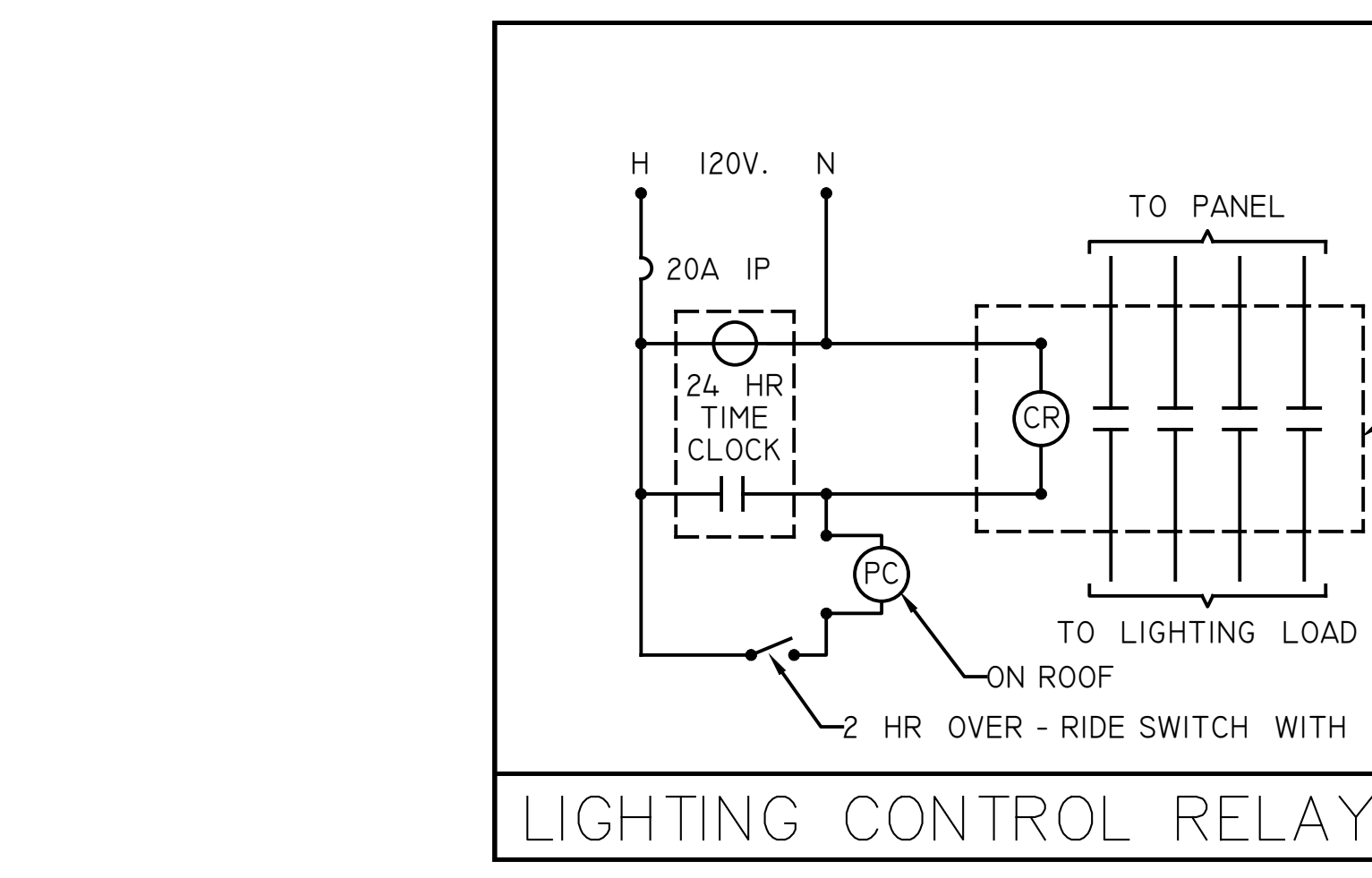
FIXTURE SUPPORT DETAIL N.T.S.



POLE BASE DETAIL N.T.S.

- ### FIXTURE NOTES
- ALL FLUORESCENT FIXTURES TO HAVE ELECTRONIC BALLASTS AND T-8 LAMPS.
  - CONTRACTOR TO PROVIDE ALL HARDWARE, BRACKETS, TUBES, LAMPS, ETC. FOR A COMPLETE INSTALLATION.
  - ALL INTEGRALLY BALLASTED FIXTURES SHALL HAVE THERMALLY PROTECTED BALLAST.
  - FIXTURES MOUNTED IN WET/DAMP LOCATIONS TO CARRY APPROPRIATE U.L. LABEL.
  - ALL EMERGENCY FIXTURES SHALL RE-ENERGIZE WITHIN 1/2 SECOND OF POWER FAILURE AND MAINTAIN ILLUMINATION FOR 90 MINUTES (MINIMUM)
  - EMERGENCY (EM) FLUORESCENT FIXTURES ARE TO CONTAIN (1) FLUORESCENT EMERGENCY FACTORY INSTALLED BALLAST FOR EMERGENCY MODE OPERATION. IT SHALL CONTAIN RECHARGER, DISCONNECT, READY LIGHT AND TEST SWITCH. SEE NOTE #5.
  - LUMINAIRES AND BALLAST MUST BE CERTIFIED PER 2-5314(B) AND 2-5316) ENERGY EFFICIENT STANDARDS.
  - ALL ONE AND THREE LAMP LUMINAIRES SHALL BE TANDEM WIRED PER 2-5319(A) ENERGY EFFICIENT STANDARDS.
  - LIGHT FIXTURE WITH CONTACT WITH INSULATION TO BE U.L. LISTED FOR THERMAL BARRIER OR PROVIDE 3" MINIMUM CLEARANCE.
  - EXITS SHALL BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED WITH LIGHT HAVING AN INTENSITY OF NOT LESS THAN 1 FOOTCANDLE (0.76 LX) AT FLOOR LEVEL.
  - EXIT SIGNS SHALL BE ILLUMINATED BY TWO LAMPS OR BE OF AN APPROVED SELF-LUMINOUS TYPE. CURRENT TO ONE LAMP SHALL BE PROVIDED BY THE PREMISES WIRING SYSTEM. POWER TO THE OTHER LAMP SHALL BE PROVIDED BY AN EMERGENCY SYSTEM (STORAGE BATTERIES).

- ### ELECTRICAL SYMBOL LIST
- RECESSED 2x4 FIXTURE 2 LAMP
  - RECESSED 2x4 FIXTURE 3 LAMP
  - RECESSED 2x4 FIXTURE 3 LAMP TANDEM WIRED
  - RECESSED 2x4 FIXTURE 4 LAMP
  - SURFACE 1x4 WRAP
  - RECESSED DOWN LIGHT INCANDESCENT
  - RECESSED DOWN LIGHT FLUORESCENT
  - SHOE BOX STYLE FIXTURE (WATTAGE AS NOTED)
  - WALL PACK (WATTAGE AS NOTED)
  - EXIT SIGN (ARROWS AS NOTED)
  - NIGHT LIGHT (ON 24 HOURS)
  - INS
  - DISCONNECT SWITCH, RATING AS NOTED
  - COMBINATION STARTER, RATING AS NOTED
  - EXHAUST FAN (CONNECT ONLY)
  - S SINGLE POLE SWITCH 48" TO TOP (RESTROOMS 44" TO TOP)
  - S SWITCH WITH P-PILOT LIGHT, M-MANUAL STARTER, K-KEY
  - S SWITCH 3 OR 4 WAY, AS NOTED
  - S SWITCH BUTTON (CONTROL AS SHOWN)
  - S MOTION SENSOR, WALL MOUNT 48"
  - S MOTION SENSOR CEILING MOUNT
  - S RELAY FOR MOTION SENSOR
  - S JUNCTION BOX (SIZE AS REQUIRED)
  - S DUPLEX RECEPTACLE 45"
  - S DUPLEX RECEPTACLE WEATHER PROOF
  - S DOUBLE DUPLEX RECEPTACLE (GFI 44" IN RESTROOMS)
  - S DUPLEX RECEPTACLE 48" OR COUNTER HEIGHT (GFI 44" IN RESTROOMS)
  - S DUPLEX RECEPTACLE ISOLATED
  - S FLOOR BOX (RECEPTACLE, DATA, & PHONE AS SHOWN)
  - S FLOOR BOX (DUPLEX RECEPTACLE ONLY)
  - S TELEPHONE RING WITH 3/4" CONDUIT TO CEILING
  - S DATA RING WITH 3/4" CONDUIT TO CEILING
  - S COMBINATION PHONE & DATA RING WITH 3/4" CONDUIT TO CEILING
  - S THERMOSTAT RING WITH 1/2" CONDUIT TO CEILING
  - S CONDUIT UP
  - S CONDUIT DOWN
  - S CONDUIT IN WALL, CEILING, OR EXPOSED
  - S CONDUIT UNDERGROUND
  - S 1/2" CONDUIT 2 #12 WIRES (1/2" C-2 #12 CU. OR AS NOTED)
  - S 1/2" C-3 #12 CU. OR (AS NOTED)
  - S 1/2" C-4 #12 CU. OR (AS NOTED)



LIGHTING CONTROL RELAY-WIRING DIAGRAM

### LIGHTING FIXTURE SCHEDULE

TYPE	FIXTURE	AMOUNT	LAMPS	MOUNTING	DESCRIPTION	MANUFACTURER
	NO.		AND TYPE		AND VARIATIONS	CATALOGUE NUMBER
F1	30	X UNV	30 L.E.D. MODULE	X	2'x2' LAYIN T-BAR CEILING FIXTURE w/ACRYLIC FLAT LENS	ENVISION LED LED-PNL2x2-30W-40K-1F
F2	30	X UNV	30 L.E.D. MODULE	X	2'x2' LAYIN T-BAR CEILING FIXTURE w/ACRYLIC FLAT LENS	ENVISION LED LED-PNL2x2-30W-40K-LF w/EM. BATTERY BACK UP
F3	20	X UNV	20 L.E.D. X	X	6" DIA. APERTURE DOWN LIGHT-VERIFY REFLECTOR & TRIM	ELITE TCLD-628-HZ-40 CR6225W-140
F4	20	X UNV	20 L.E.D. X	X	6" DIA. APERTURE DOWN LIGHT w/EMERG. BATTERY PACK	ELITE TCLD-628-HZ-40 w/EM. BATTERY BACK UP
F5	32	X UNV	32 L.E.D. X	X	48" STANDARD OPEN STRIP LIGHT PLACED IN CEILING SOFFIT	METALUX 48NLED-LD4-40SL-F -UNV OR EQUAL
F6	60	X UNV	60 L.E.D. X	X	2'x4' LAYIN T-BAR CEILING FIXTURE w/ACRYLIC FLAT LENS	ENVISION LED LED-PNL2x4-60W-40K
F7	60	X UNV	60 L.E.D. X	X	2'x4' LAYIN T-BAR CEILING FIXTURE w/ACRYLIC LENS & EMERG. BATTERY	ENVISION LED LED-PNL2x4-60W-40K w/EM. BATTERY BACK UP
F8	25	X UNV	25 L.E.D. X	X	48" STANDARD OPEN STRIP LIGHT PLACED IN CEILING SOFFIT	METALUX 48NLED-LD5-36SL-UNV OR EQUAL
F9	20	X UNV	20 L.E.D. X	X	24" STANDARD OPEN STRIP LIGHT PLACED IN CEILING SOFFIT	METALUX 28NLED-LD5-20SL-UNV OR EQUAL
F10	36	X UNV	36 L.E.D. X	X	96" STANDARD OPEN STRIP LIGHT PLACED IN CEILING SOFFIT	METALUX 87SNLED-LD5-64SL-UNV OR EQUAL
S10	20	X UNV	20 L.E.D. MODULE	X	EXTERIOR BUILDING PERIMETER ACCENT UP/DOWN LIGHTING	ALW-CORE 400LX 24LJ-W-20-83-35-40(UP) 20-83-35-40(DN)-DB
S11	276	X UNV	276 LED DRIVE	X	LIGHT POLE STANDARD NLS LIGHTING (N.V. SERIES) QUAD HEAD 180"-23" (4) NV-1-14-32L-7-40K POLE ON CONC. FTNG UNV-BR2-23" POLE HGT.	
S12	138	X UNV	138 LED DRIVE	X	LIGHT POLE STANDARD NLS LIGHTING (N.V. SERIES) TWIN HEAD 90"-23" (2) NV-1-14-32L-7-40K POLE ON CONC. FTNG UNV-BR2-HSS-23" POLE HGT.	
S13	69	X UNV	69 LED DRIVE	X	LIGHT POLE STANDARD NLS LIGHTING (N.V. SERIES) SINGLE HEAD-23" (1) NV-1-14-32L-7-40K POLE ON CONC. FTNG UNV-BR2-23" POLE HGT.	
S14	20	X UNV	20 L.E.D. X	X	6" DIA. APERTURE DOWN LIGHT-EXTERIOR BUILDING SOFFIT	ENVISION LED LED-FL-RES-6-18W-CW -UNV (WET LOCATION)
S15	10	X UNV	10 L.E.D. DRIVE	X	ARCHITECTURAL TOWER & SIGNAGE FEATURE	LUMIERE (BOCA) 696-10LED-40-21-120/12-BZ OR EQUAL
X1	15	UNV	INCLD. w/FIXT.		ILLUMINATED EXIT SIGN w/EMERGENCY BATTERY BACK UP	EMERGI-LITE BOX-OW OR EQUAL
X2	15	X UNV	INCLD. w/FIXT.		DUAL HEAD EMERGENCY LIGHT w/BATTERY PACK	EMERGI-LITE #EL-250L-LED OR EQUAL

NOTE: EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES TO ENSURE CONTINUED ILLUMINATION FOR A DURATION OF NOT LESS THAN 90 MINUTES IN CASE OF PRIMARY POWER LOSS. THE SIGN SHALL BE CONNECTED TO A STORAGE BATTERY, UNIT EQUIPMENT OR AN ON-SITE GENERATOR.

- ### ELECTRICAL SPECIFICATIONS
- VERIFY EXISTING SITE CONDITION, SERVICE REQUIREMENTS & EXACT LOCATIONS OF SERVICE FACILITIES BEFORE SUBMITTING BID. SUBMITTAL OF BID INDICATES E.C. IS COGNIZANT OF ALL JOB SITE CONDITIONS & WORK TO BE PERFORMED UNDER THIS CONTRACT.
  - HEIGHTS GIVEN ARE FROM FINISHED FLOOR TO CENTER LINE OF OUTLET. HEIGHTS & EXACT LOCATIONS SHALL BE VERIFIED WITH OWNER PRIOR TO INSTALLATION.
  - THESE PLANS ARE DIAGRAMMATIC ONLY. REFER TO ARCHITECTURAL, MECHANICAL & STRUCTURAL PLANS FOR DETAILS & EXACT LOCATIONS OF EQUIPMENT & OUTLETS.
  - ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WEATHERPROOF.
  - E.C. SHALL FURNISH AND INSTALL ALL POWER & CONTROL WIRES, CONDUITS, & OUTLETS TO RENDER MECHANICAL EQUIPMENT COMPLETE & OPERATIVE. VERIFY VOLTAGE & POWER REQUIREMENTS TO EACH PIECE OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. REFER TO DRAWINGS FOR EXACT EQUIPMENT & CONTROL LOCATIONS & FOR CONTROL SCHEMATICS. IF SEQUENCE OF CONTROL IS CHANGED FROM DESIGN AS INDICATED, THE E.C. SHALL CO-ORDINATE WITH MECHANICAL CONTRACTOR FOR ADDITIONS & DELETIONS. ALL LOCATIONS SHALL BE VERIFIED BEFORE ROUGH-IN.
  - EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN EACH PANELBOARD, PULLBOX, JUNCTION BOX, SWITCH BOX, ETC., WITH BRADY MARKERS, IN COMPLIANCE WITH OCCUPATIONAL SAFETY & HEALTH ACT OF 1970 (OSHA). JUNCTION BOXES SHALL BE MARKED WITH PENTEL MARKING PEN.
  - INDOORS USE EMT CONDUIT (FLEX ALLOWED FOR TIGHT BENDS & FINAL CONNECTIONS). USE HEAVY GAGE R.S. GALVANIZED FOR CONDUIT EXPOSED ON ROOF & SCHEDULE 40 PVC CONDUIT BELOW GRADE. USE PVC COATED LIQUID TIGHT CONDUIT FOR MOTOR CONNECTIONS & IN WET LOCATIONS.
  - E.C. SHALL PROVIDE ALL LABOR, MATERIAL, INSURANCE, EQUIPMENT, INSTALLATIONS, CONSTRUCTION TOOLS, TRANSPORTATION, ETC. FOR A COMPLETE & PROPERLY OPERATING SYSTEM. ENERGIZED THROUGHOUT & AS INDICATED ON THE PLANS, & AS SPECIFIED HEREIN AND/OR AS REQUIRED.
  - ALL MATERIAL & EQUIPMENT SHALL BE NEW & IN PERFECT CONDITION WHEN INSTALLED & SHALL BE OF THE BEST GRADE & OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. MATERIAL SHALL BE LISTED BY U.L. & SHALL BEAR THE INSPECTION LABEL. MATERIAL SHALL MEET WITH THE APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY, & ALL GOVERNING BODIES HAVING JURISDICTION. MATERIAL SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY A.N.S.I. & N.E.M.A.
  - ALL CONDUITS SHALL BE INSTALLED CONCEALED EXCEPT AS NOTED.
  - E.C. SHALL CARRY OUT HIS WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA ELECTRICAL CODE, AS AMENDED AND ADOPTED BY THE CITY OF VICTORVILLE.
  - E.C. SHALL SECURE ALL NECESSARY BUILDING PERMITS, & PAY FOR SAME.
  - VERIFY ALL POWER & TELEPHONE REQUIREMENTS FOR PROPERTY LINE INTO BUILDING WITH RESPECTIVE SERVING UTILITY COMPANIES. INCLUDE ALL COSTS IN BID TO FURNISH A COMPLETE POWER & TELEPHONE SYSTEM TO BUILDING.
  - WIRE SHALL BE CODE GRADE, 600 VOLT, COPPER. CONDUCTORS SHALL BE TYPE THHN/THWN STRANDED (#12 & #10 SOLID).
  - ALL CONDUIT ONLY (C.O.) SHALL HAVE A 1/8 IN. NYLON PULL CORK. TELEPHONE CONDUITS SHALL HAVE PREMEASURED NYLON CORDS MARKED IN FEET, AS PER PHONE COMPANY REQUIREMENTS.
  - ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC., SHALL BE TURNED OVER TO OWNER AT JOB COMPLETION. FURNISH ONE SET OF RED LINES AS-BUILT DRAWINGS SHOWING ALL CHANGES.
  - USE ONLY COMPETENT & SKILLED PERSONNEL & PERFORM ALL WORK, INCLUDING AESTHETIC AS WELL AS ELECTRICAL & MECHANICAL ASPECTS, TO STANDARDS CONSISTENT WITH BEST PRACTICES OF THE TRADE. E.C. SHALL HOLD A VALID C-10 STATE CONTRACTOR'S LICENSE.
  - FURNISH & INSTALL MAIN, METERING, PULL SECTIONS, DISTRIBUTION SWITCHBOARDS, BRANCH CIRCUIT PANELBOARDS, & MOTOR CONTROL CENTERS AS SHOWN ON PLANS. SWITCHBOARDS & MAIN METERING SECTIONS SHALL BE EQUAL TO SQUARE D 1-LINE PANELBOARDS SHALL BE EQUAL TO SQUARE D TYPE (NOD) (QO). MOTOR CONTROL CENTERS SHALL BE EQUAL TO SQUARE D CLASS 8988.
  - LOCAL SWITCH & RECEPTACLE OUTLETS FOR CONCEALED WORK SHALL BE 4 IN. SQUARE, OR LARGER BOX, WITH RAISED PLASTER RING FOR SINGLE OR TWO-GANGES AS REQUIRED FOR EXPOSED WORK. USE TYPE FS OR FD CAST METAL BOX WITH CAST COVER & GASKET. IN EXISTING WALLS USE GANG-ABLE SWITCH BOXES; BOWERS #51 OR RACO #400 FOR RECEPTACLES & SWITCHES. LIGHTING OUTLETS SHALL BE 4 IN. SQUARE, OR LARGER BOX, EQUIPPED WITH FIXTURE STUDS & RAISED PLASTER RING WHERE REQUIRED.
  - GENERAL PURPOSE SWITCHES SHALL BE IVORY 'STANDARD GRADE' TOGGLE TYPE, RATED FOR 20 AMPS AC AT 120-277 VOLTS. MULTIPOLE SWITCHES SHALL BE OF SAME MANUFACTURER'S SERIES AS THE SINGLE POLE TYPES. GENERAL PURPOSE RECEPTACLES SHALL BE IVORY 'STANDARD GRADE' RATED FOR 15 AMPS AT 125 VOLTS. RECEPTACLES SHALL BE HUBBELL #5262 OR ARROW-HART #262. ALL SWITCHES, RECEPTACLES, & TELEPHONE COVER PLATES SHALL BE PLASTIC IVORY MATCHING RESPECTIVE OUTLET (UNLESS OTHERWISE NOTED).
  - E.C. SHALL FURNISH & INSTALL ALL FIXTURES, COMPLETE WITH LAMPS & DIFFUSERS, AS SHOWN ON PLANS. ALL FIXTURES SHALL BE SUBSTANTIALLY SUPPORTED FROM THE STRUCTURAL ELEMENTS & SHALL BE PROVIDED WITH ALL NECESSARY HANGERS, SUPPORTS, & ACCESSORY DEVICES REQUIRED. PROVIDE ONE NO. 9 AWG GALVANIZED WIRE FROM EACH END OF T-BAR FIXTURE. SECURE THE WIRES TO OVERHEAD BUILDING STRUCTURE.
  - TELEPHONE SERVICE & INDIVIDUAL PHONE CONDUIT SHALL BE VERIFIED PRIOR TO BID & INSTALLED AS PER SERVING PHONE COMPANY REQUIREMENTS.
  - VERIFY ALL DEMOLITION REQUIREMENTS AS PER PLANS & ALL COSTS IN BID.
  - COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER DATE OF ACCEPTANCE BY OWNER. ANY WORK, MATERIAL, OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE E.C.
  - ALL EXTERIOR EXIT LIGHTS TO BE TIME CLOCK CONTROLLED AT PANEL.
  - PER ARTICLE 110-16 C.E.C., CLEARANCE AT ALL PANELS SHALL BE MINIMUM OF 3'-0".
  - A) ALL U.L. LISTED EQUIPMENT SHALL BE INSTALLED AS PER LISTING OR LABELING ( I.E., MAXIMUM FUSE SIZE MEAS FUSE PROTECTION IS REQUIRED).
  - B) CIRCUIT BREAKERS USED AS SWITCHES SHALL BE LISTED FOR AND MARKED SWD. ARTICLE 240-83 (d) C.E.C.
  - CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING OR COOLING, HEATING AND VENTILATION EQUIPMENT, SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP TO THE BOTTOM OF THE OUTLET BOX TO THE LEVEL OF THE FINISH FLOOR WORKING PLATFORM. C.B.C.1117 B.6 #5.1.
  - D) USE COPPER CONDUCTORS ONLY.

- ### GENERAL NOTES
- ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND MAKE HIMSELF FAMILIAR WITH ALL CONDITIONS. HE SHALL ADJUST HIS BID TO INCORPORATE ALL AREAS AFFECTED BY RENOVATIONS NOT DIRECTLY SHOWN ON HIS PLANS. HIS BID SHALL BE COMPLETE FOR A OPERABLE AND COMPLETE SYSTEM. NO EXTRAS WILL BE HONORED FOR FAILURE TO VISIT THE JOB SITE.
  - ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY, LOCAL CODES, OSHA, AND THE 2019 CEC ELECTRICAL CODE
  - ALL WIRE TO BE COPPER TYPE "THHN/THWN", UNLESS NOTED OTHERWISE.
  - ALL ELECTRICAL WORK AND EQUIPMENT SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF ACCEPTANCE, EXCEPT LAMPS, ON THE CONTRACTORS LETTERHEAD AND TURNED OVER TO THE OWNER.
  - ALL MATERIALS SHALL BE NEW AND LISTED BY THE UNDERWRITERS LABORATORY AS INSPECTED AND APPROVED.
  - THE ELECTRICAL CONTRACTOR SHALL TAKE OUT ALL REQUIRED PERMITS, PAY FOR PERMITS, GFI TEST, INSPECTIONS, AND EXAMINATIONS WITHOUT ADDITIONAL COST TO THE OWNER.
  - THE ELECTRICAL CONTRACTOR SHALL PREPARE AND MAINTAIN A SET OF "AS BUILT" BLUELINE PRINTS WITH ALL CHANGES INDICATED IN RED INK.
  - NOTE: SUPERVISORY ALARM SYSTEM IF APPLICABLE: E.C. SHALL FURNISH AND INSTALL (1) 3/4" O.D. FROM DETECTOR CHECK VALVE TO BUILDING AND (1) 3/4" O.D. FROM EACH P.I.V. TO ITS RESPECTIVE SPRINKLER RISER IN BUILDING. SEE SPRINKLER DRAWINGS FOR EXACT LOCATIONS.
  - TITLE 24 INSPECTION NOTE FOR ALL ROOMS WITH AN AREA GREATER THAN 100 SQ. FT. WHICH THE CONNECTED LIGHTING LOAD EXCEEDS 1.0 WATTS PER SQUARE FOOT. SWITCHING MUST BE PROVIDED TO REDUCE THE LIGHTING LOAD IN A UNIFORM PATTERN BY AT LEAST 50%. THE MAXIMUM AREA THAT CAN BE SERVICED BY ANY TWO SWITCHING DEVICES MUST BE LIMITED TO THAT WHICH CAN BE SERVICED BY TWO SINGLE POLE SWITCHES LOADED TO NO MORE THAN 80% OF RATED CAPACITY.
  - ALL TENANT IMPROVEMENTS NOT SHOWN-HERETO MUST BE SUBMITTED TO LOCAL DEPARTMENT OF BUILDING AND SAFETY FOR APPROVALS PRIOR TO CONSTRUCTION.
  - GFI OF MAIN PANEL TO BE TESTED AND CERTIFIED BY A QUALIFIED PERSON AND CERTIFICATION TO BE SUBMITTED TO LOCAL BUILDING DEPARTMENT
  - PROVIDE 36" HIGH 4" DIA. STEEL TUBE CONCRETE FILLED BOLLARD 40" ON CENTER (O.C.) AND A MINIMUM OF 12" FROM FACE OF ALL ELECTRICAL SWITCHGEAR, TRANSFORMERS, PANELS ETC.. PAINT BOLLARDS SAFETY YELLOW.
  - INSTALL CONDUITS PER TABLE 300-5 AS FOLLOWS.
    - PVC-18" MINIMUM COVER IN ALL LANDSCAPE AND PLANTING AREAS.
    - PVC-24" MINIMUM COVER IN ALL PARKING AND DRIVE AREAS.
    - ELECTRIC UTILITY'S C.E. PVC-30" MINIMUM COVER.
    - TELEPHONE UTILITY PVC-24" MINIMUM COVER.

## STEENO

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DATE FINISHED  
**MAY 2022**

REVISIONS

1	DEV. CODE 02/14/22
2	BLDG. CODE 02/14/22
3	ELECTRICAL_09/30/22

THESE PLANS SHALL COMPLY WITH THE 2019 CALIFORNIA BUILDING CODE PER CHAPTER 7.25.000.000 AND THE 2019 ENERGY STANDARDS.

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PROJECT: CIVIC CENTER BUILDING

PHELAN PIÑON HILLS C.S.D.

SITE ADDRESS: 3085-3101 9555 SHEEP CREEK ROAD PHELAN, CA 92329

CONTACT  
DON BARTZ

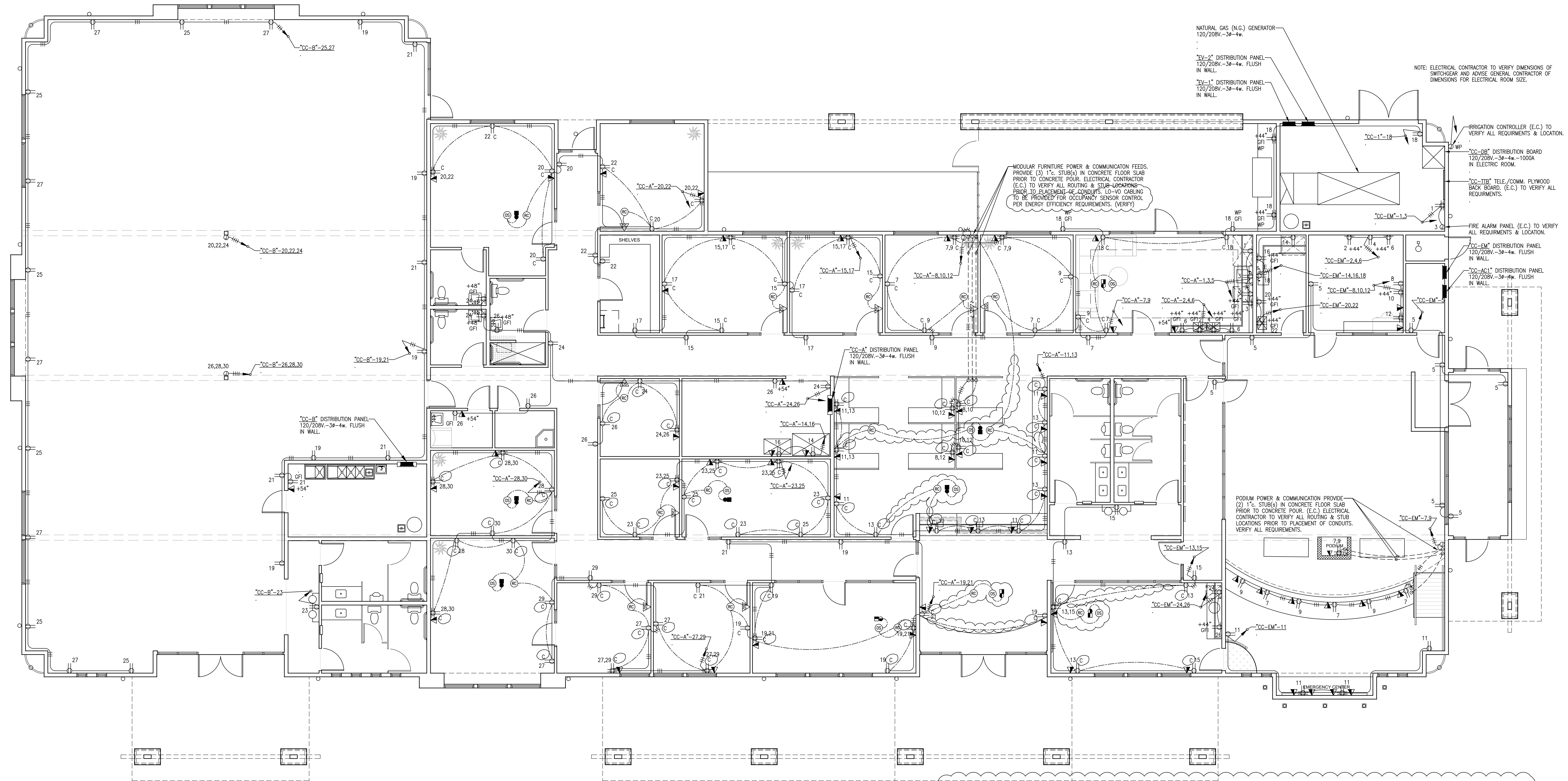
JOB NO.  
COM20-L01/01

SHEET NAME  
ELECTRICAL NOTES & SPECIFICATIONS

E-1







POWER PLAN  
SCALE: 3/16" = 1'-0"

**FOUR-PLEX RECEPTACLE DETAIL**  
SCALE: N.T.S.

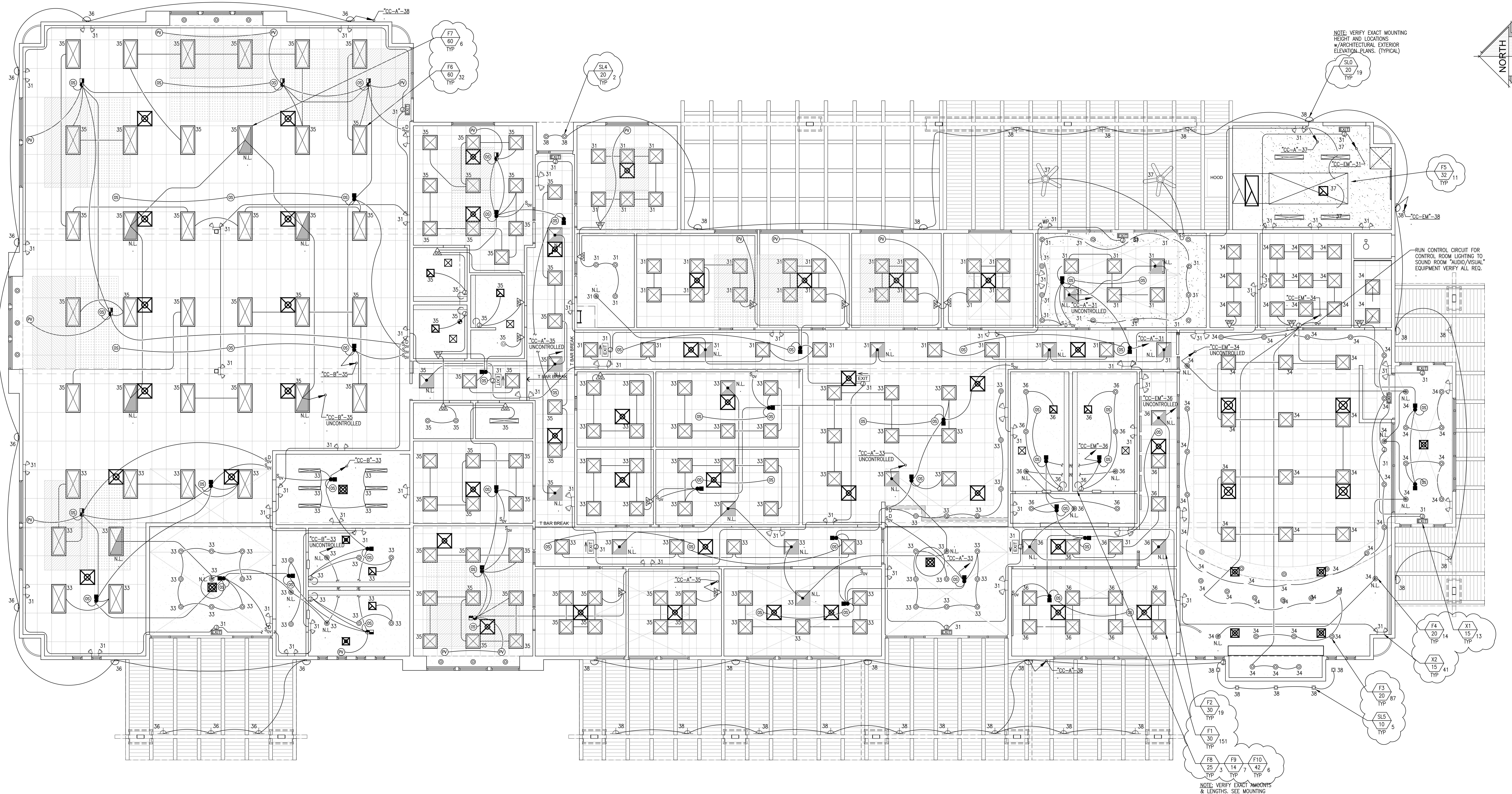
**DUPLEX RECEPTACLE DETAIL**  
SCALE: N.T.S.

**ENERGY COMPLIANCE CONTROL LEGEND**

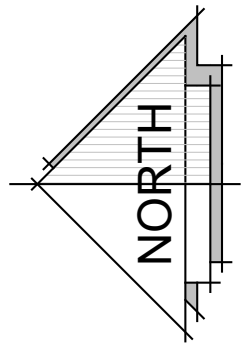
- ▲ 120V. POWER PACK
- 120V. WALL MOUNTED MOTION SENSOR PROVIDED w/SWITCH OVERRIDE CONTROL.
- ⊙ CEILING MOUNTED MOTION SENSOR LO-VO WIRING
- ⊙ DIGITAL PLUG ABOVE CEILING 'WATT STOPPER' #MPL-101 OR EQUAL.
- ⊙ ALL RECEPTACLE OUTLETS DENOTED WITH 'C' ARE TO HAVE HALF THE OUTLET ROUTED VIA THE ASSOCIATED ROOM OCCUPANCY SENSOR REMOTE w/LIGHTING. SEE RECEPTACLE DETAIL ON THIS SHEET.

**DIMENSIONING NOTE**  
UNLESS SPECIFICALLY DIMENSIONED, ALL PANEL AND CONDUIT LOCATIONS ARE FOR DIAGRAMMATIC PURPOSES ONLY AND ARE SUBJECT TO PLACEMENT FOR FIELD CONDITIONS.

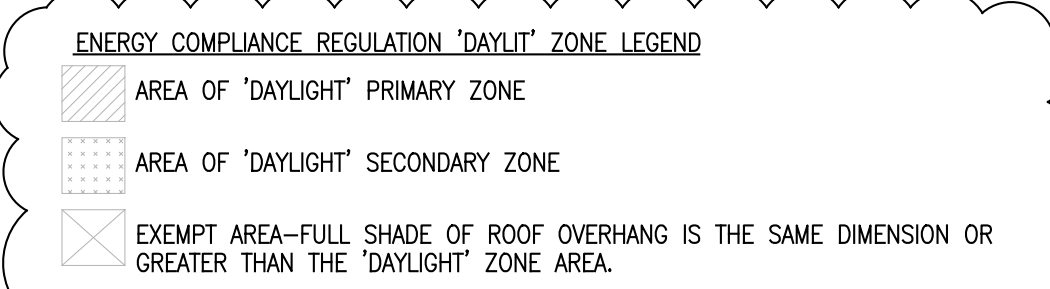
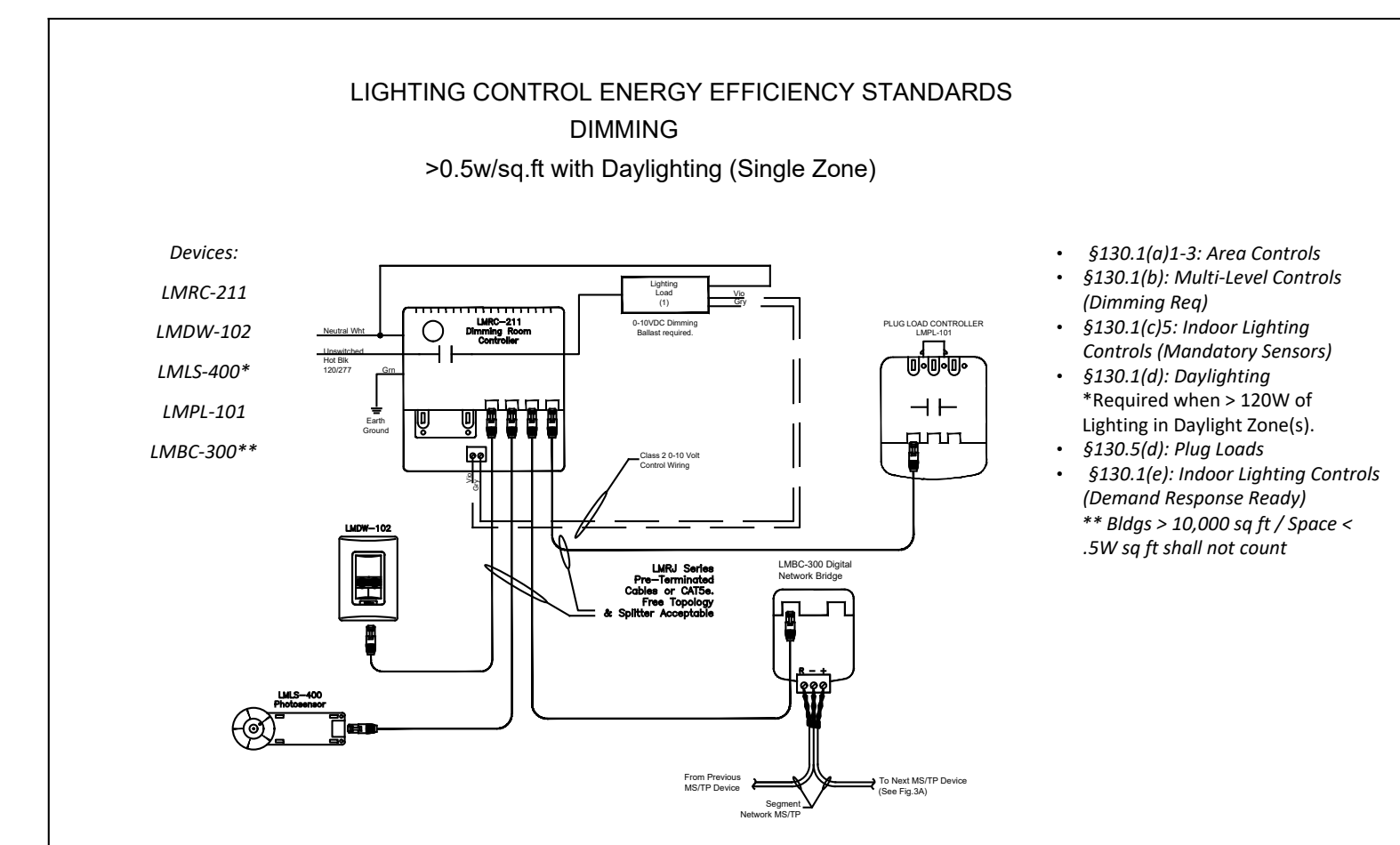
	DATE FINISHED <b>MAY 2022</b>	THESE PLANS SHALL COMPLY WITH THE 2019 CALIFORNIA BUILDING CODE WITH 2022 AND 2024 ENERGY STANDARDS.		PROJECT: <b>CIVIC CENTER BUILDING</b>	JOB NO. COM20-L01/01	<p style="font-size: 24px; font-weight: bold;">E-3</p>
	REVISIONS ▲ DEV. CODE_001422 ▲ BLDG. CODE_001422 ▲ BLDG. CODE_08/0822 ▲ ELECTRICAL_09/30/22	THESE DOCUMENTS AND THE INCORPORATED PERMITS, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE THE SOLE PROPERTY OF STEENO DESIGN STUDIO INC. ANY USE, IN WHOLE OR IN PART, FOR WHICH THEY WERE NOT PROVIDED SHALL BE UNLAWFUL.		PHELAN PIÑON HILLS C.S.D. SITE ADDRESS: A.P.N. 3086-081-10 9535 SHEEP CREEK ROAD, PHELAN, CA 92326	CONTACT: DON BARTZ	



NOTE: VERIFY EXACT MOUNTING HEIGHT AND LOCATIONS W/ARCHITECTURAL EXTERIOR ELEVATION PLANS. (TYPICAL)



**LIGHTING PLAN**  
SCALE: DIAGRAMMATIC



- LIGHTING CONTROL LEGEND**
- 120V. POWER PACK
  - ▽ 120V. WALL MOUNTED MOTION SENSOR PROVIDED w/SWITCH OVERRIDE CONTROL.
  - ⊙ CEILING MOUNTED MOTION SENSOR LO-VOL WIRING
  - ⊙ CEILING MOUNTED PHOTOVOLTAIC SENSOR PER ALL ENERGY EFFICIENCY STANDARDS.
  - ⊙ 120V. DIMMING 0-10V. ROOM CONTROLLER PER ALL ENERGY EFFICIENCY STANDARDS.
  - SoV MANUAL SWITCH OVERRIDE CONTROL PER ENERGY EFFICIENCY STANDARDS.
  - SoV SWITCH OVERRIDE w/DIMMING CONTROL PER ENERGY EFFICIENCY STANDARDS.

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DATE FINISHED  
MAY 2022

REVISIONS

1	DEV. CODE 02/14/22
2	BLDG. CODE 02/14/22
3	BLDG. CODE 08/08/22
4	ELECTRICAL 09/30/22

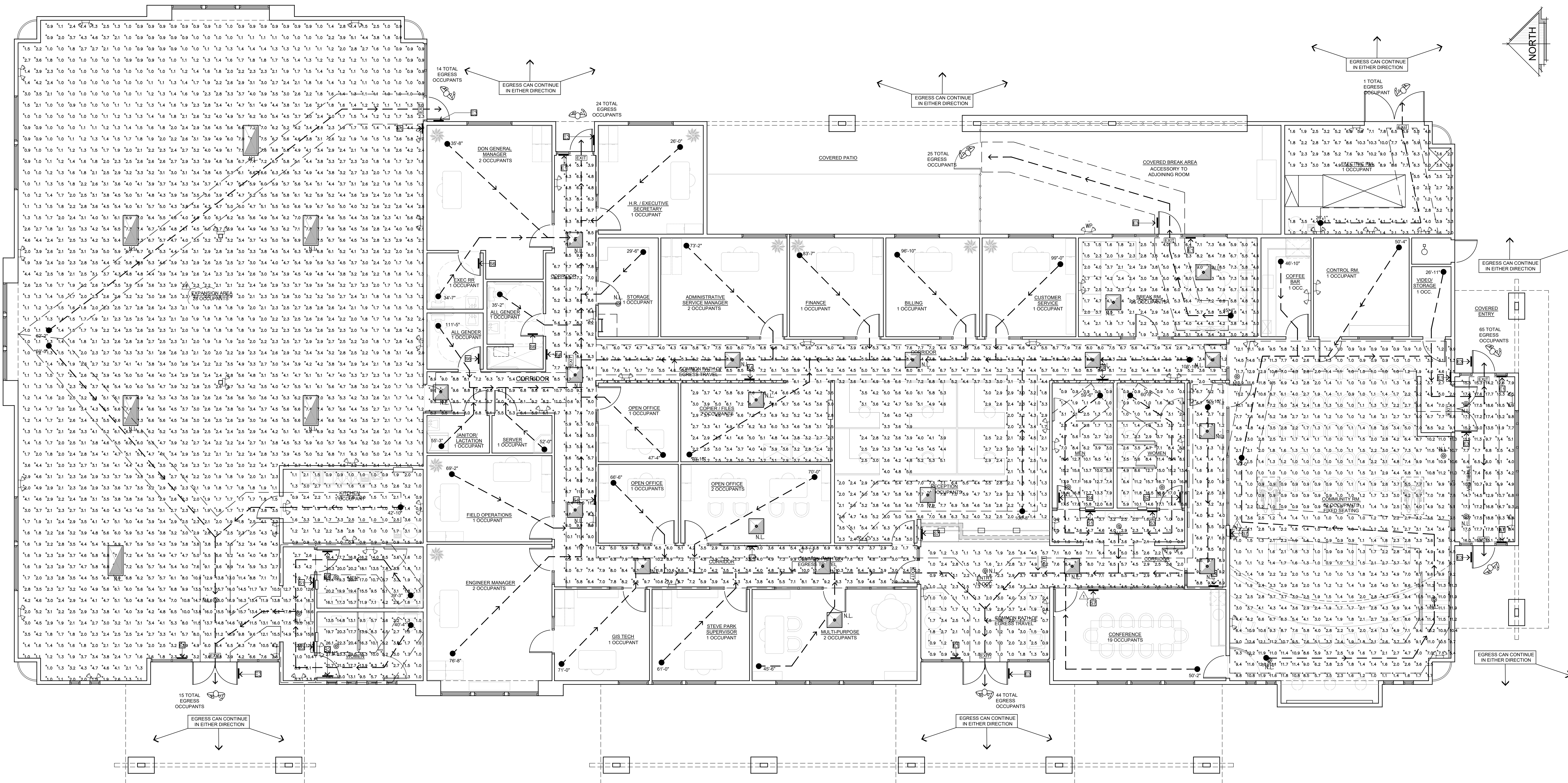
THESE PLANS SHALL COMPLY WITH THE 2019 CALIFORNIA BUILDING CODE (CBC) AND THE 2019 CALIFORNIA ELECTRICAL CODE (CEC) AND THE 2019 ENERGY STANDARDS. THESE DOCUMENTS AND THE INFORMATION HEREIN, AS AN INSTRUMENT OF SERVICE, ARE THE SOLE PROPERTY OF STEENO DESIGN STUDIO INC. ANY USE, IN WHOLE OR IN PART, FOR WHICH THEY WERE NOT PROVIDED SHALL BE UNLAWFUL.

PROJECT: CIVIC CENTER BUILDING  
**PHELAN PIÑON HILLS C.S.D.**

SITE ADDRESS:  
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9535 SHEEP CREEK ROAD  
PHELAN, CA 92329

CONTACT:  
DON BARTZ

JOB NO. COM20-L01/01	PAGE E-4
SHEET NAME: LIGHTING PLAN	



EGRESS PHOTOMETRIC PLAN  
SCALE: DIAGRAMMATIC

STATISTICS					
Description	Symbol	Avg	Max	Min	Avg/Min
Rest Room Mens	+	7.3 fc	18.6 fc	0.8 fc	23.0:1
Rest Room Womens	+	7.0 fc	17.6 fc	0.7 fc	25.1:1
Hallways & Corridors	+	4.3 fc	9.8 fc	1.2 fc	8.2:1
Main Entry	+	2.9 fc	8.5 fc	0.3 fc	28.3:1

STATISTICS					
Description	Symbol	Avg	Max	Min	Avg/Min
Break Room	+	4.2 fc	9.3 fc	1.3 fc	7.2:1
Electric Room	+	4.3 fc	10.3 fc	0.9 fc	11.4:1
Vestibule / Entry	+	12.0 fc	18.8 fc	4.0 fc	4.7:1
Community Room	+	4.0 fc	14.6 fc	0.8 fc	18.3:1

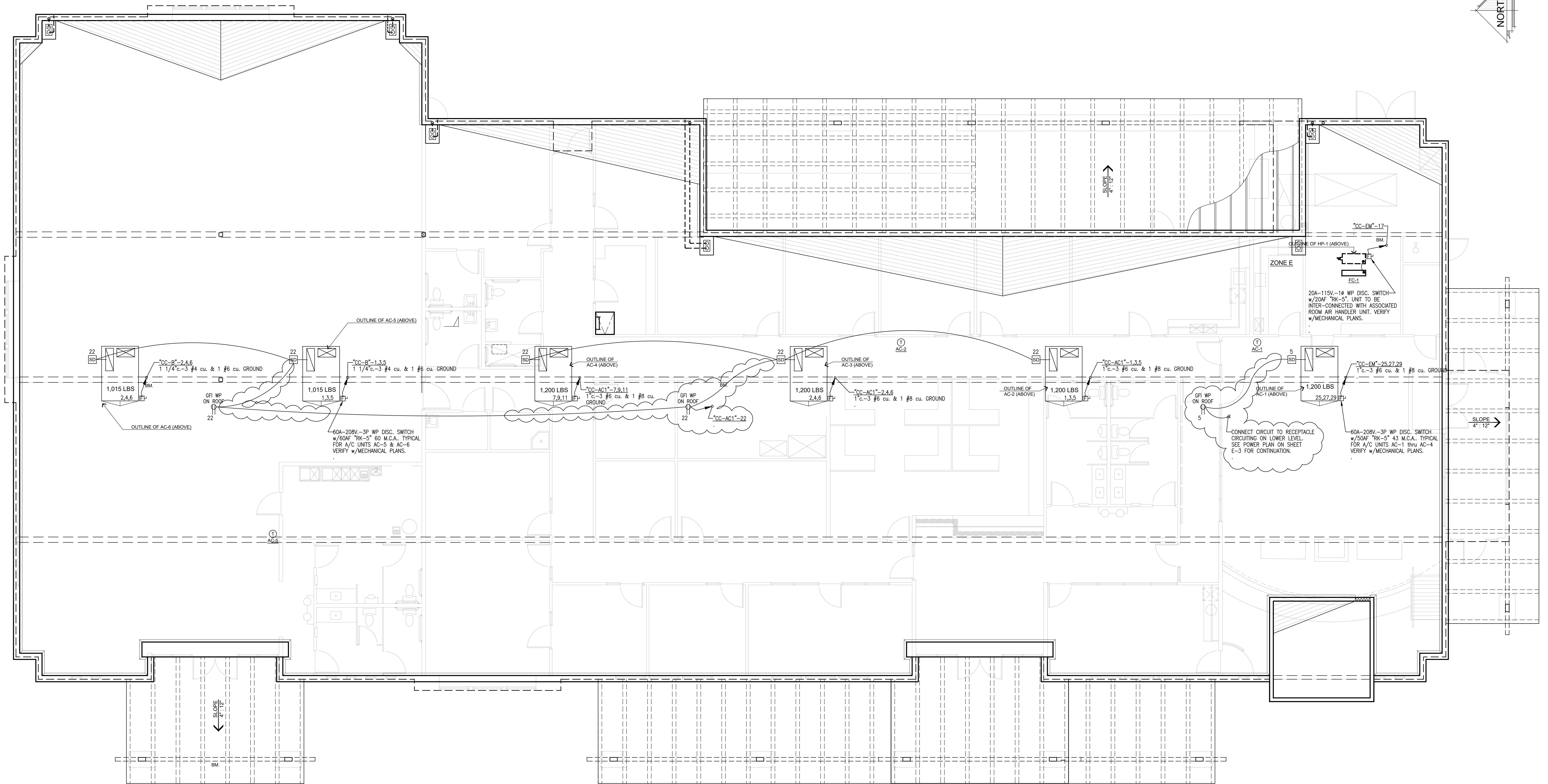
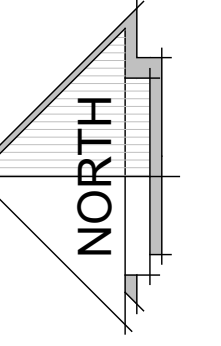
STATISTICS					
Description	Symbol	Avg	Max	Min	Avg/Min
Hallways & Corridors	+	4.7 fc	9.6 fc	1.1 fc	8.7:1
Work Area Room	+	7.0 fc	12.1 fc	1.4 fc	8.6:1

STATISTICS					
Description	Symbol	Avg	Max	Min	Avg/Min
Kitchen	+	1.5 fc	3.8 fc	0.6 fc	6.3:1
Rest Room Mens	+	10.6 fc	21.4 fc	1.0 fc	21.4:1
Rest Room Womens	+	9.8 fc	21.9 fc	0.9 fc	31.0:1

STATISTICS					
Description	Symbol	Avg	Max	Min	Avg/Min
Expansion Area Room	+	3.5 fc	17.8 fc	0.5 fc	35.6:1





ROOF ELECTRICAL PLAN  
SCALE: DIAGRAMMATIC

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	<p>REVISIONS</p> <ul style="list-style-type: none"> <li>▲ DEV. CODE_021422</li> <li>▲ BLDG_CODE_021422</li> <li>▲ BLDG_CODE_080822</li> <li>▲ ELECTRICAL_093022</li> </ul>	<p>THESE DOCUMENTS AND THE DESIGN AND BASIS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE THE SOLE PROPERTY OF STEENO DESIGN STUDIO INC. ANY USE, IN WHOLE OR IN PART, FOR WHICH THEY WERE NOT PROVIDED SHALL BE UNLAWFUL.</p>		<p>PHELAN PIÑON HILLS C.S.D.</p>	<p>SHEET NAME: ROOF ELECTRICAL PLAN</p>	<p>SITE ADDRESS: A.P.N. 3095-261-10 9232 SHEEP CREEK ROAD PHELAN, CA 92329</p>



600 A BUS		ELECTRIC VEHICLE CHARGER STATIONS										RECESSED	
600 A MLO (w/ SUB LUG FEED THROUGH)		PANEL EV-2					SCHEDULE					65 K.A.I.C.	
CMT NO.	CMT BKR.	NO. OUTLETS	LOCATION	WATTS			LOCATION	NO. OUTLETS	CMT BKR.	CMT NO.	NO. OUTLETS	CMT BKR.	CMT NO.
				A	B	C							
1	40	2	E.V. CHARGING PEDESTAL	3000			E.V. CHARGING PEDESTAL	1	2	40	2		
3				3000									
5	40	2	E.V. CHARGING PEDESTAL	3000	3000		E.V. CHARGING PEDESTAL	1	2	40	6		
7				3000									
9	40	2	E.V. CHARGING PEDESTAL	3000			E.V. CHARGING PEDESTAL	1	2	40	10		
11				3000									
13	40	2	E.V. CHARGING PEDESTAL	3000			E.V. CHARGING PEDESTAL	1	2	40	14		
15				3000									
17	40	2	E.V. CHARGING PEDESTAL	3000	3000		SPACE						
19				3000									
21	40	2	E.V. CHARGING PEDESTAL	3000									
23				3000									
25			SPACE										
27													
29													
31													
33													
35													
37													
39													
41			SPACE				SPACE						
TOTAL WATTS:				63,000	21,000	21,000	21,000						

63 x 125% L.C.L. = 78.7 K.W.  
 OTHER = 8 K.W.  
 TOTAL = 78.7 K.W. = 218 AMPS @ 208V. - 3Ø

600 A BUS		ELECTRIC VEHICLE CHARGER STATIONS										RECESSED	
600 A MLO		PANEL EV-1					SCHEDULE					65 K.A.I.C.	
CMT NO.	CMT BKR.	NO. OUTLETS	LOCATION	WATTS			LOCATION	NO. OUTLETS	CMT BKR.	CMT NO.	NO. OUTLETS	CMT BKR.	CMT NO.
				A	B	C							
1	40	2	E.V. CHARGING PEDESTAL	3000			E.V. CHARGING PEDESTAL	1	2	40	2		
3				3000									
5	40	2	E.V. CHARGING PEDESTAL	3000	3000		E.V. CHARGING PEDESTAL	1	2	40	6		
7				3000									
9	40	2	E.V. CHARGING PEDESTAL	3000			E.V. CHARGING PEDESTAL	1	2	40	10		
11				3000									
13	40	2	E.V. CHARGING PEDESTAL	3000			E.V. CHARGING PEDESTAL	1	2	40	14		
15				3000									
17	40	2	E.V. CHARGING PEDESTAL	3000	3000		SPACE						
19				3000									
21	40	2	E.V. CHARGING PEDESTAL	3000									
23				3000									
25			SPACE										
27													
29													
31													
33													
35													
37													
39													
41			SPACE				SPACE						
TOTAL WATTS:				63,000	21,000	21,000	21,000						

63 x 125% L.C.L. = 78.7 K.W.  
 OTHER = 8 K.W.  
 TOTAL = 78.7 K.W. = 218 AMPS @ 208V. - 3Ø

- \* CIRCUIT VIA 20A-600V-(POLE AS REQUIRED) LIGHTING CONTACTOR w/120V. COIL IN SEPARATE NEMA 1 ENCLOSURE. INSTALL 600w.-120V.-1Ø W.P. PHOTOCELL ON ROOF FOR CONTROL. DIRECT ELECTRIC EYE TOWARDS NORTH.
- CIRCUIT BREAKER TO BE SWITCH RATED.
- PROVIDE CIRCUIT BREAKER "LOCK-ON" DEVICE.
  - A) THE BRANCH CIRCUIT SUPPLYING THE FIRE ALARM EQUIPMENT SHALL SUPPLY NO OTHER LOADS.
  - B) THE LOCATION OF THE BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.
  - C) THE CIRCUIT DISCONNECTING MEANS SHALL HAVE RED IDENTIFICATION, SHALL BE ACCESSIBLE ONLY TO QUALIFIED PERSONNEL, AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT".
- CIRCUIT VIA TIME CLOCK-SEE DIAGRAM DETAIL ON SHEET E- .
- ⊙ C.B. PROVIDE CIRCUIT BREAKER w/GROUND FAULT INTERRUPTER MEANS.

S:\2020\projects\02- Commercial - PO1 - PPHCSO\_Phelan Piñon Hills Community Services District\01 - Civic Center (Former Admin Bldg)\E-7 Single-Line EV\_Civic Center\_PPHCSO.dwg, 11/16/2022 9:10:16 AM, steen, Angle

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	<p>REVISIONS</p> <ul style="list-style-type: none"> <li>▲ DEV_CODE_021422</li> <li>▲ BLDG_CODE_021422</li> <li>▲ ELECTRICAL_093022</li> <li>▲ SEPTIC_102722</li> </ul>	<p>THESE DOCUMENTS AND THE DESIGN AND IDEAS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE THE SOLE PROPERTY OF STEENO DESIGN STUDIO INC. ANY USE, IN WHOLE OR IN PART FOR WHICH THEY WERE NOT PROVIDED SHALL BE UNLAWFUL.</p>		<p>PROJECT: PHELAN PIÑON HILLS C.S.D.</p>	<p>SHEET NAME: E.V. - PANEL SCHEDULES</p>	

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