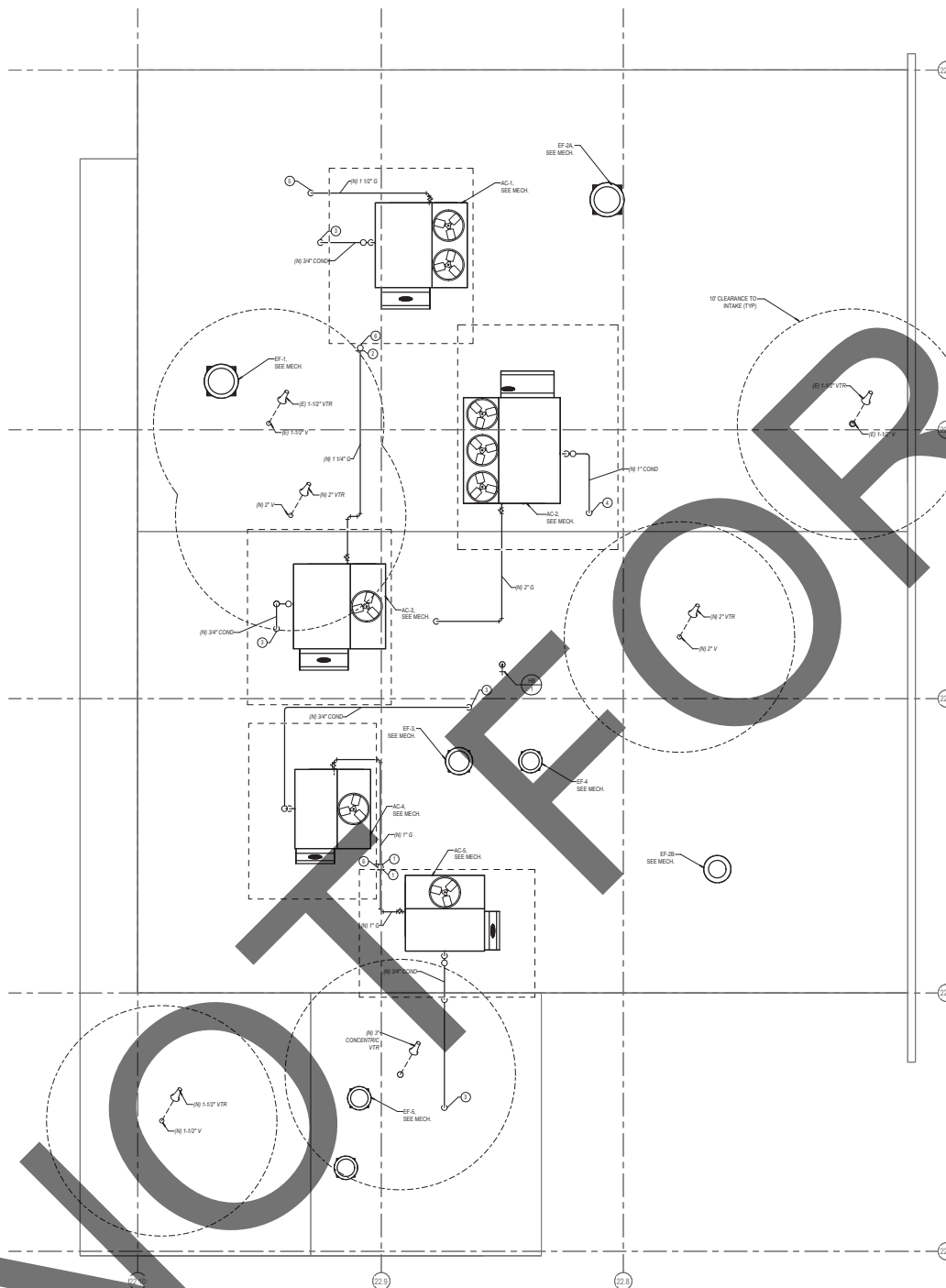




GENERAL NOTES

- FOR LINE TYPES, SYMBOLS & ABBREVIATIONS, SEE LISTED ON P1.
- VENTING SHALL HAVE A MIN. OF 10' CLEARANCE FROM ANY FORCED AIR INLET W/ A MIN. OF 3' CLEARANCE ABOVE AIR INLET.
- CLEARANCE FROM ANY PROPERTY LINE EXCEPT PUBLIC WAY PER SPEC. SEC. 506.
- CONTRACTOR SHALL PATCH FLOORS, WALLS & CEILING TO MATCH WITH EXISTING FOR ROOF PENETRATIONS.
- FOR VENT THROUGH ROOF, SEE DETAIL.
- FOR PIPE THROUGH ROOF, SEE DETAIL.
- FOR GAS CONNECTION, SEE DETAIL.
- FOR CONDENSATE CONNECTION, SEE DETAIL.
- FOR CONCENTRIC VENT THROUGH ROOF, SEE DETAIL.
- FOR HOUSE BB ON ROOF, SEE DETAIL.

CONSTRUCTION NOTES

- CONNECT NEW 3/4" G TO EXISTING 1 1/4" G
- CONNECT NEW 1 1/4" G TO EXISTING 1 1/4" G
- NEW 3/4" COND ON THRU ROOF TO BELOW
- NEW 1" COND ON THRU ROOF TO BELOW
- NEW 1" G UP FROM BELOW
- EXISTING 1 1/4" G UP FROM BELOW



5881 COOK ST., STE. 103 2800 MARKET ST., STE. 140
PALM DESERT, CA 92211 ROSENBERG, CA 92051
PH: 760.328.6280 PH: 951.482.1451

CONSULTANT



STAMPS



**SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB**

200 SOUTH LENA RD.
SAN BERNARDINO, CA

PROJECT



CLIENT

MARK	DATE	DESCRIPTION

PROJECT NO.: 080C.002

SHEET TITLE

**PLUMBING
REMODEL ROOF
PLAN - LAB**

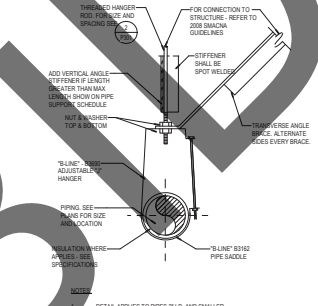
SHEET NO.

P220

PLUMBING ROOF PLAN

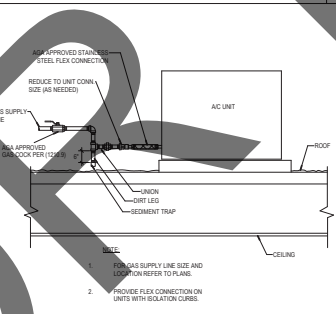
SCALE: 1/4" = 1'-0" 1



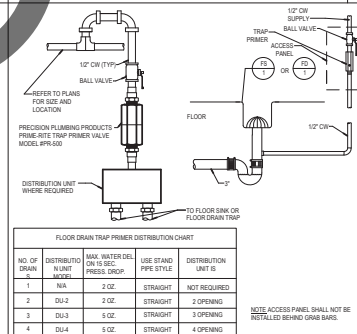


PIPE SIZE	FIXTURE UNITS	CROSS REF. PDI
1/2"	1-11	A
3/4"	12-32	B
1"	33-60	C
1 1/4"	61-113	D
1 1/2"	114-154	E
2"	155-330	F

PIPE SUPPORT

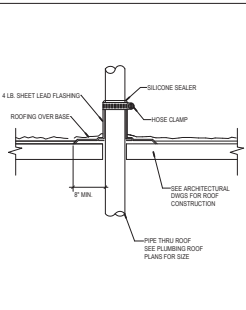
[illegible]

PIPE SUPPORT SCHEDULE



NO. OF DRAIN	DISTRIBUTION UNIT	MAX. WATER DEL. ON 15 SEC. PRESS. DROP.	USE STAND PIPE STYLE	DISTRIBUTION UNIT
1	N/A	2 OZ.	STRAIGHT	NOT REQUIRED
2	DU-2	2 OZ.	STRAIGHT	2 OPENING
3	DU-3	5 OZ.	STRAIGHT	3 OPENING
4	DU-4	5 OZ.	STRAIGHT	4 OPENING

VENT THRU ROOF



PIPE THRU ROOF

© 2021 Holt Architects, Inc.

HOLT
ARCHITECTURE

3881 COOK ST. STE 103
PALM DESERT, CA 92211

2000 MARKET ST. STE 140
RIVERSIDE, CA 92504

PH: 760.328.6280
PH: 951.482.1451

CONSULTANT:

No. E3980
REGISTERED
ELECTRICAL
ENGINEER

132 E. Woodchuck Place
San Bernardino, CA 92408
Phone: 951.883.2703
Fax: 951.883.2710
Email: info@designwesteng.com

DESIGN WEST ENGINEERING
MECHANICAL/ELECTRICAL/HVAC CONSULTANTS

STAMP:

No. E3980
REGISTERED
ELECTRICAL
ENGINEER

SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB

200 SOUTH LEVA RD.
SAN BERNARDINO, CA

PROJECT:

SAN BERNARDINO
COUNTY

CLIENT:

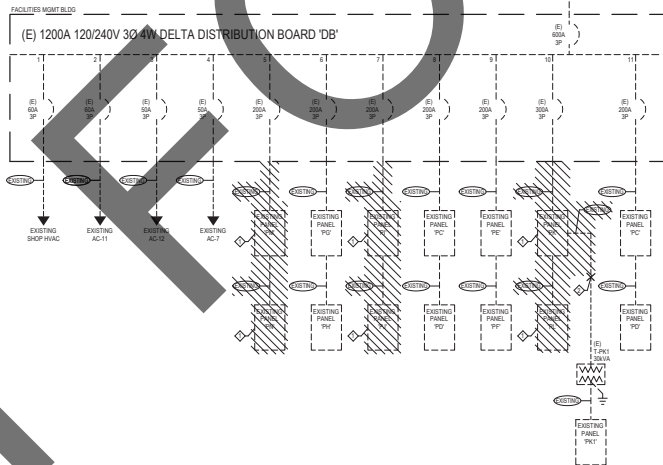
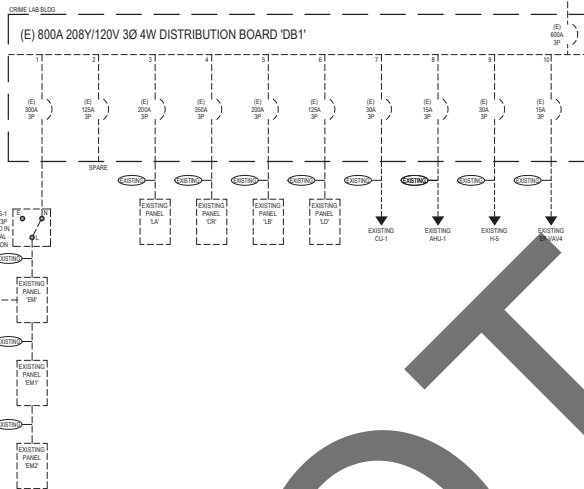
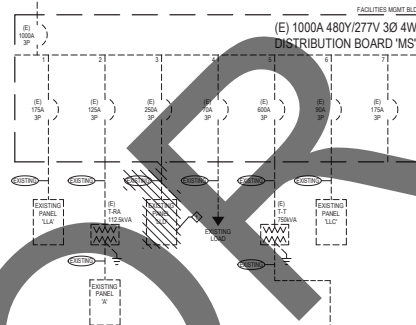
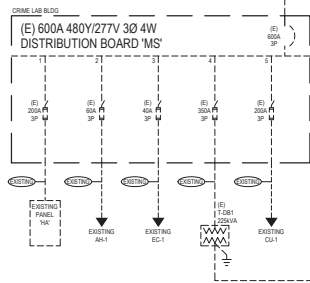
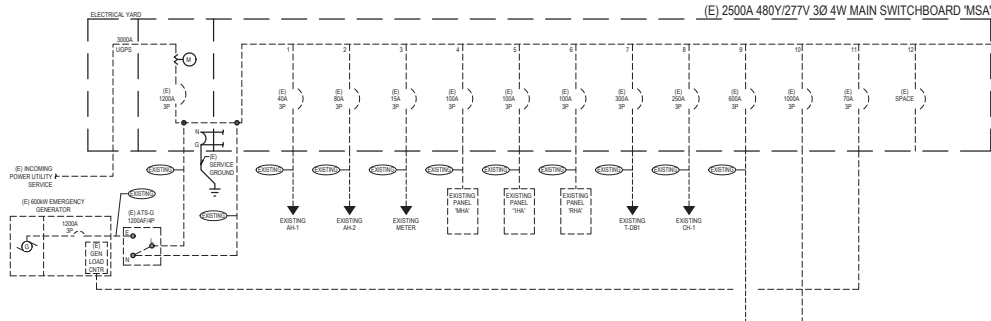
MARK	DATE	DESCRIPTION

PROJECT NO.: 08C-002

SHEET TITLE:
LUMINAIRE
SCHEDULE

SHEET NO.:
E002

LUMINAIRE SCHEDULE									
TYPE	VOLTS	WATTAGE	LAMPS	MOUNTING	FIXTURE DESCRIPTION	MFR	CATALOG #	NOTES	
F1	120 V	31 W	LED	SURFACE	LINEAR ARCHITECTURAL FIXTURE WITH 10V DIMMING IN WHITE FINISH AND FOR INSTALLATION IN T-BAR CEILING TYPE	AIRLIGHTING	QULEK 800-36-50-4-W/10V-D P1-ST	LUMINAIRE CAN BE ORDERED AND RAN IN CONTINUOUS LENGTHS	
F2	120 V	31 W	LED	SURFACE	LINEAR ARCHITECTURAL FIXTURE WITH 10V DIMMING IN WHITE FINISH AND FOR INSTALLATION IN HARDWARE CEILING TYPE	AIRLIGHTING	QULEK 800-36-50-4-W/10V-D P1-DS	LUMINAIRE CAN BE ORDERED AND RAN IN CONTINUOUS LENGTHS	
F3	120 V	31 W	LED	SURFACE	LINEAR ARCHITECTURAL FIXTURE WITH 10V DIMMING IN WHITE FINISH AND FOR INSTALLATION IN HARDWARE CEILING TYPE	AIRLIGHTING	QULEK 800-36-50-4-W/10V-D P1-DS	LUMINAIRE CAN BE ORDERED AND RAN IN CONTINUOUS LENGTHS	
F4	120 V	24 W	LED	SURFACE	LINEAR ARCHITECTURAL FIXTURE WITH 10V DIMMING IN WHITE FINISH AND FOR INSTALLATION IN T-BAR CEILING TYPE	AIRLIGHTING	QULEK 800-36-50-4-W/10V-D P1-ST	LUMINAIRE CAN BE ORDERED AND RAN IN CONTINUOUS LENGTHS	
F5	120 V	24 W	LED	SURFACE	LINEAR ARCHITECTURAL FIXTURE WITH 10V DIMMING IN WHITE FINISH AND FOR INSTALLATION IN T-BAR CEILING TYPE	AIRLIGHTING	QULEK 800-36-50-4-W/10V-D P1-ST	LUMINAIRE CAN BE ORDERED AND RAN IN CONTINUOUS LENGTHS	
F6	120 V	15 W	LED	SURFACE	LED PROFILE UNDERCABINET LIGHTING FOR	AIRLIGHTING	UPD 120V-15W-100-3000-W	*LENGTH Varies, REFER TO PLAN	
LUMINAIRE NOTES									
1. EQUALS SHALL BE CONSIDERED UPON SUBMITTAL REVIEW AND APPROVAL. PLEASE NOTE THAT IF AN ALTERNATE IS CONSIDERED:									
a. THE CONTRACTOR IS COMPLETELY AND SOLELY RESPONSIBLE FOR ALL ASPECTS OF THE SUBSTITUTION INCLUDING OBTAINING APPROVALS AND PERMITS FROM LOCAL AUTHORITY AND COORDINATING WITH ALL TRADES TO ENSURE CHANGES TO THE BUILDING SYSTEM ARE ACCORDING TO THE ENGINEERING TEAM. CONTRACTOR SHALL ENSURE SUBSTITUTED EQUIPMENT MEETS ALL REQUIRED REQUIREMENTS: PERFORMANCE, DIMENSIONS, CLEARANCES, PHYSICAL, WEIGHT, MAXIMUM HEIGHT LIMITATIONS, AND OTHER ASPECTS. PROVIDING SUBSTITUTION NEUTRAL TO THE APPLICATION. ENGINEER WILL REVIEW THE RATING AND PERFORMANCE OF SUBSTITUTED EQUIPMENT ONLY AND WILL NOT ASSUME RESPONSIBILITY FOR SUBSTITUTION AT ANY LEVEL.									
b. IF CONTRACTOR CANNOT MAKE A SUBSTITUTED EQUIPMENT WORK IN THIS PROJECT, CONTRACTOR SHALL REVERT TO REQUIREMENTS OF PERMITTED CONSTRUCTION DOCUMENTS AT THEIR EXPENSE.									
c. IT IS UNDERSTOOD BY ALL PARTIES THAT ANY SUBSTITUTIONS OF SPECIFIED PRODUCTS ARE DONE FOR THE PURPOSE OF COST SAVINGS TO THE OWNER. THEREFORE, ANY MATERIAL SUBSTITUTION OR DEVIATIONS PROPOSED BY THE CONTRACTOR SHALL BE INCLUDED WITH THE INITIAL BID AND SHALL SHOW A LINE ITEM CREDIT TO THE OWNER FOR EACH SUBSTITUTION IN LIEU OF SPECIFIED PRODUCTS.									
d. CONTRACTOR SHALL PROVIDE A POINT BY POINT METRIC STUDY FOR ALL AREAS WHERE ALTERNATE FIXTURES ARE SUBMITTED. LIGHT LEVELS WILL BE REVIEWED FOR COMPLIANCE WITH PROJECT REQUIREMENTS AND BASIS OF DESIGN VALUES.									
2. THE FIXTURE SCHEDULE INDICATES GENERAL DESCRIPTION OF LIGHTING FIXTURES AND MANUFACTURER'S CATALOG NUMBERS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE CORRECT CEILING CONFIGURATION AND PROVIDE THE FIXTURES WITH ALL NECESSARY MOUNTING HARDWARE SO THAT BOTH THE CEILING SYSTEM AND THE FIXTURE CONSTRUCTION MATCHES. PROVIDE SEISMIC HANGERS AS REQUIRED.									
3. IT SHALL BE CONTRACTORS RESPONSIBILITY TO VERIFY THE EXACT LOCATION OF ALL LIGHTING FIXTURES AND TYPE OF CEILING WITH ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO ANY WORK. SEE ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO ANY WORK. SEE ARCHITECTURAL ELEVATION DRAWING FOR MOUNTING HEIGHTS OF WALL MOUNTED FIXTURES.									
4. ALL FIXTURES MUST BE PROVIDED WITH ALL LIGHTS CONNECTED TO WIRE. THE OWNER SHALL PROVIDE CONDUIT UNLESS THE EXIST LIGHT FIXTURE IS FURNISHED WITH AN APPROVED OUTLET BOX FOR THROUGH WIRING.									
5. ALL WIRING SHALL BE IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL INTERIOR AND EXTERIOR LIGHTING SYSTEMS. REFER TO LIGHTING CONTROL DIAGRAM, SCHEDULES AND DETAILS.									
6. ALL WIRING SHALL BE PROVIDED WITH ELECTRONIC BALLASTS. MANUFACTURER PER SPECIFICATIONS OR APPROVED EQUAL.									
7. BATTERY PACK EMERGENCY TEST SWITCHES SHALL BE INTEGRAL TO LIGHT FIXTURE. COORDINATION OF SWITCH LOCATION IS REQUIRED WITH DESIGN TEAM IF INTEGRAL INSTALLATION IS NOT POSSIBLE.									
8. FIXTURES DESIGNATED AS EMERGENCY SHALL BE SUPPLIED WITH INTEGRAL BATTERY PACK CAPABLE OF POWERING TWO (2) LAMPS FOR 90 MINUTES WITH A TOTAL LIGHT OUTPUT OF 1100 LUMENS OR ONE (1) BATTERY PACK CAPABLE OF POWERING TWO (2) LAMPS FOR 90 MINUTES WITH A TOTAL LIGHT OUTPUT OF 550 LUMENS.									
9. ALL COMPACT FLUORESCENT LAMP BALLASTS SHALL BE HIGH POWER FACTOR. ALL TRIPOLE TUBE COMPACT FLUORESCENT LAMPS INSTALLED INDOORS SHALL HAVE INSTANT ON TECHNOLOGY.									
10. PROVIDE ALL REQUIRED MOUNTING HARDWARE, ANCHORAGE AND SUPPORTS TO INSTALL LIGHTING FIXTURES.									
11. PROVIDE BRACKET, BASE AND STEM. LENGTHS AS REQUIRED TO MOUNT THE PENDANT MOUNTED FIXTURES. THE INSTALLATION SHALL COMPLY WITH TITLE 24 SEISMIC AND APPLICABLE UBC REQUIREMENTS.									
12. THE CONTRACTOR SHALL PROVIDE A COMPLETE AND OPERABLE LIGHTING SYSTEM AS PART OF THIS BUILDING CONTRACT.									
13. THE LAMPS FOR THE SPECIFIED FLUORESCENT LIGHTING FIXTURES SHALL BE ("SEE LUMINAIRE SCHEDULE FOR COLOR TEMPERATURE):									
F1: 40W/4000K/PLC (SEE LIGHTING)									
F2: 40W/4000K/PLC (SEE LIGHTING)									
F3: 40W/4000K/PLC (SEE LIGHTING)									
F4: 40W/4000K/PLC (SEE LIGHTING)									
F5: 40W/4000K/PLC (SEE LIGHTING)									
F6: 40W/4000K/PLC (SEE LIGHTING)									
14. SUSPENSION SYSTEM FOR LIGHT FIXTURES WHICH HAVE PASSED SHAKING TABLE TESTS APPROVED BY THE OFFICE OF THE STATE OF ARCHITECT, OR WHICH, AS INSTALLED, ARE FREE TO SWING A MINIMUM OF 45° FROM THE VERTICAL, IN ALL DIRECTIONS WITHOUT CONTACTING OBSTRUCTIONS, SHALL BE ASSIGNED TO COMPLY WITH THE LATERAL FORCE REQUIREMENTS FOR SECTION 2005, PART 2, TITLE 24, CON. UNLESS OTHERWISE SPECIFIED. THE LATERAL FORCE SUSPENSION SYSTEM SHALL HAVE A SAFETY WIRE OR CABLE ATTACHED TO THE FIXTURE AND STRUCTURE AT EACH SUPPORT POINT OF SUPPORTING FOUR TIMES THE SUPPORTED LOAD.									
15. FOR SURFACED AND SURFACE MOUNTED LIGHT FIXTURES, THE PRODUCT OF ICIP NEED NOT EXCEED 12 FOR ANY VALUE OF 1.									
16. PROVIDE ALL CONNECTING MEANS FOR ALL FLUORESCENT BALLASTS PER CEC 410.13(05).									
17. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THAT THE FIXTURE BALLAST OR DRIVER VOLTAGE MATCHES THE CIRCUIT VOLTAGE SUPPLYING FIXTURE PRIOR TO ORDERING.									
18. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY BALLAST/DRIVER DIMMING CONFIGURATION IS COMPATIBLE WITH CONTROLS BEING PROVIDED PRIOR TO ORDERING FIXTURES. EX. 2 WIRE, 3 WIRE, 4 WIRE, 0-10V, CAT 5, ETC.									
19. LED LIGHT FIXTURES SHALL BE IN ACCORDANCE WITH IES, NFPA, UL, AS SHOWN ON THE DRAWINGS, AND AS SPECIFIED.									
20. LED LIGHT FIXTURES SHALL BE REDUCTION OF HAZARDOUS SUBSTANCES (RHS)-COMPLIANT.									
21. LED DRIVERS SHALL INCLUDE THE FOLLOWING FEATURES UNLESS OTHERWISE INDICATED:									
• MINIMUM EFFICIENCY 80% AT FULL LOAD									
• MINIMUM OPERATING AMBIENT TEMPERATURE: -30 DEG C (-4 DEG F)									
• INPUT VOLTAGE: 120-277V (4-10KVA) AT 60 HZ, UNLESS OTHERWISE INDICATED.									
• INTEGRAL SHORT CIRCUIT, OPEN CIRCUIT, AND OVERLOAD PROTECTION.									
• POWER FACTOR: >=95%									
• TOTAL HARMONIC DISTORTION <=20%									
• COMPLY WITH FCC 47 CFR PART 15.									
22. LED MODULES SHALL INCLUDE THE FOLLOWING FEATURES UNLESS OTHERWISE INDICATED:									
• COMPLY WITH EIA-703 AND UL-816 REQUIREMENTS.									
• MINIMUM ON BOARD COLOR TEMPERATURE ERROR UNLESS OTHERWISE SPECIFIED IN LUMINAIRE SCHEDULE.									
• MINIMUM RATED LIFE: 50,000 HOURS PER IES L70.									
• LIGHT OUTPUT LUMENS AS INDICATED IN THE LUMINAIRE SCHEDULE.									
23. LED DOWNLIGHTS:									
• HOUSING, LED DRIVER, AND LED MODULE SHALL BE PRODUCTS OF THE SAME MANUFACTURER.									
24. LED TROFFERS:									
• LED DRIVER, MODULES, AND REFLECTOR SHALL BE ACCESSIBLE, SERVICEABLE, AND REPLACEABLE FROM BELOW THE CEILING.									
• HOUSING, LED DRIVER, AND LED MODULE SHALL BE PRODUCTS OF THE SAME MANUFACTURER.									
25. ALL FIXTURES MOUNTED OUTDOORS SHALL BE LISTED FOR WET LOCATION.									
26. ALL REMOTE DRIVERS SHALL BE CONCEALED ABOVE CEILING OR PLACED IN A REMOTE LOCATION WHEN ATTIC SPACE IS NOT AVAILABLE.									



GENERAL NOTES

- REFER TO ELECTRICAL LEGENDS AND NOTES SHEET FOR ADDITIONAL DEMOLITION NOTES.
- CONTRACTOR IS TO USE EXTREME CAUTION WHEN STARTING THE DEMOLITION WORK. THERE ARE MULTIPLE ENERGIZED FEEDING THIS WORK AREA. CONTRACTOR SHALL MAKE THEIR OWN VERIFICATION IN SOURCE TRACING ALL EXISTING EQUIPMENT. DISCONNECTS AND CIRCUITS ENTERING AND LEAVING THIS AREA. CONTRACTOR SHALL LABEL ALL CONDUITS WITH SOURCE LOCATION. IF CONDUITS ARE TO REMAIN, ANY CIRCUITS BEING REMOVED SHALL HAVE ITS SOURCE CORRECTLY LABELED AS SPARE AND TAKE-OFF CIRCUIT BREAKER ANY CIRCUITS THAT REMAIN ARE TO BE REMOVED AND RE-ROUTED TO A SUBSIST.

HOLT
ARCHITECTURE
58951 COOK ST. STE 103 2000 MARKET ST. STE 140
PALM DESERT, CA 92211 RIVERSIDE, CA 92501
PH: 760.328.6280 PH: 951.482.1451

CONSULTANT

102 E. Washington Pkwy
San Bernardino, CA 92408
Phone: 909.893.2070
Fax: 909.893.3770
Email: info@designwestengineering.com

DESIGN WEST ENGINEERING
MECHANICAL ELECTRICAL PLUMBING CONSULTANTS

STAMPS



SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LENA RD.
SAN BERNARDINO, CA

PROJECT

DEMOLITION NOTES

- EXISTING PANELBOARD AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO BE DEMOLISHED BACK TO SOURCE DISTRIBUTION BOARD. EXISTING CIRCUIT BREAKERS FEEDING PANELBOARD TO BE MADE SPARE.
- PANEL FEEDING PANEL PK1 TO BE DEMOLISHED. DEMOLISH EXISTING CONDUIT AND CONDUCTORS FEEDING PANEL AND PREPARE FOR NEW CONNECTION.

CLIENT

MARK	DATE	DESCRIPTION

PROJECT NO.: 080C-002

SHEET TITLE

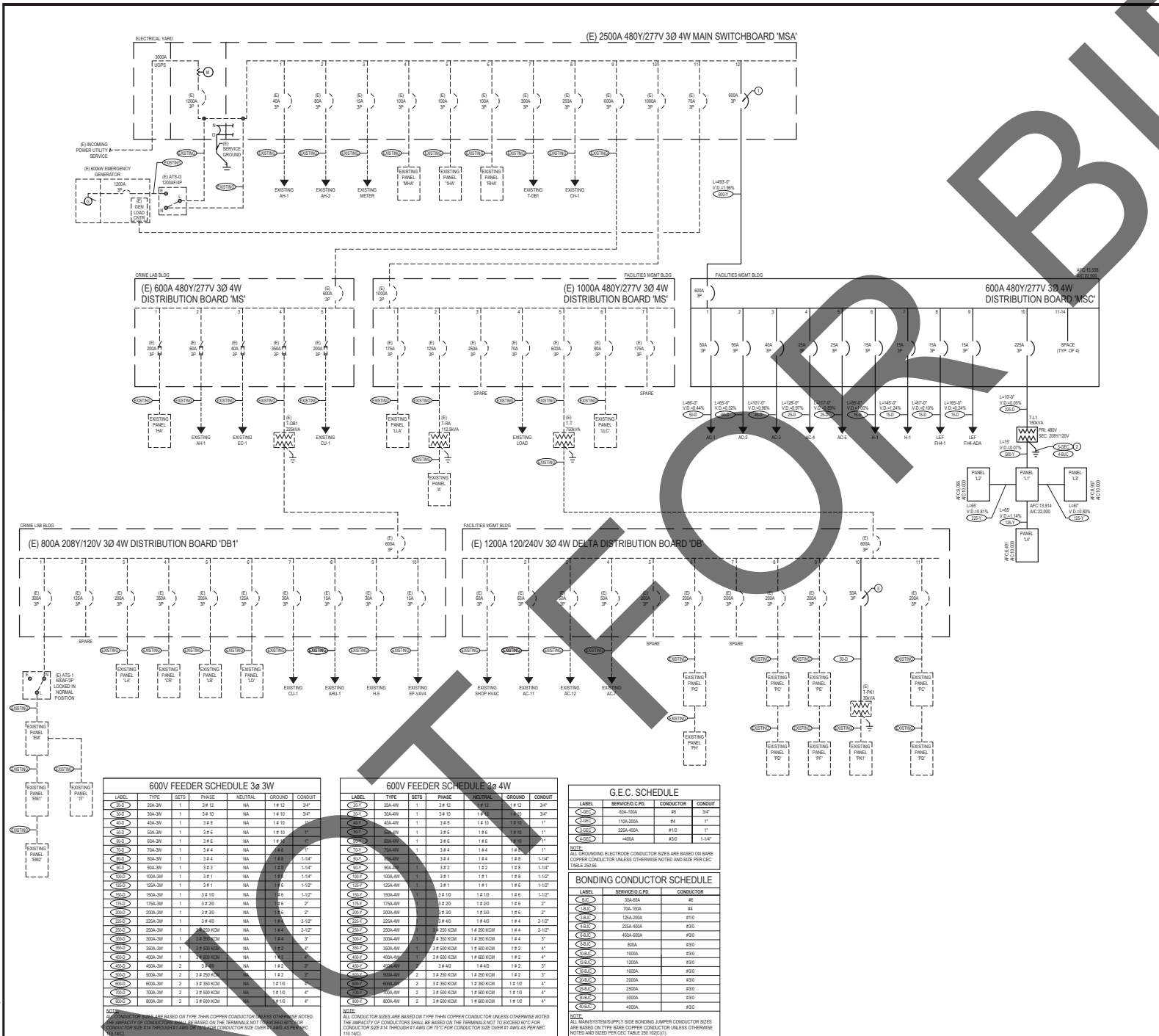
DEMOLITION
SINGLE LINE
DIAGRAM

SHEET NO.

E003

DEMOLITION SINGLE LINE DIAGRAM

1



[illegible]

ELEC

1. ELECTRICAL CONTRACTOR SHALL VERIFY EXIST LOCATION OF UTILITY PANELS, CONDUIT, AND TRANSFORMERS WITH RESPECTIVE UTILITY COMPANIES PRIOR TO START OF ANY SITE WORK.
2. THE CONTRACTOR SHALL INSPECT AND VERIFY ALL FIELD CONDITIONS PRIOR TO INSTALLATION OF UTILITY SERVICES.
3. COORDINATE TRENCH ROUTING AND EQUIPMENT LOCATIONS WITH EXISTING CONDITIONS AND NEIGHBORS.
4. CONTRACTOR SHALL VERIFY EXISTING BUREAU OF FOOTING PRIOR TO INSTALLATION OF STRUCTURAL FOOTINGS. ALL EXISTING FOUNDATIONS SHALL BE PROTECTED BY A 12" MIN. THICK CONCRETE JUNCTION BOX TO AVOID ANY INTERFERENCE.
5. CONTRACTOR SHALL UTILIZE 90° GROUND PENETRATING RADAR TO SURVEY AND TRACE ALL EXISTING UNDERGROUND UTILITY LINES. ALL DEPTH READINGS SHALL BE RECORDED. IF PLANNED CONTRACTOR TO SUBMIT "GPR" REPORT TO PROJECT MANAGER FOR REVIEWING PRIOR TO TRENCHING.

ALL SITE UNDERGROUND CONDUIT TO BE 1" MIN. UNLESS OTHERWISE NOTED.

REPORT CONDUCTED EVERY 100' OF AND WITHIN 2' OF OF ANY TRENCH BOX OR TERMINATION POINT.

- ① ROUTE CONDUIT UNDERGROUND FROM SWITCHGEARD "MSA" AND TRANSITION TO THE SIDE OF THE BUILDING VIA WALL MOUNTED PULLBOX.
- ② ROUTE CONDUIT HIGH ALONG EXISTING BUILDING WALL.
- ③ TRANSITION TO ROOFTOP FOR EXISTING BUILDING VIA WALL MOUNTED PULLBOX UTILIZING SIESMIC EXPANSION JOINT.
- ④ ROUTE ON ROOFTOP TO PULLBOX, DOWN SIDE OF EXISTING BUILDING AND TRANSITION TO UNDERGROUND TO DISTRIBUTION BOARD.
- ⑤ EXISTING CONCRETE PAD TO BE UTILIZED FOR NEW EQUIPMENT. EXTEND AS FAR AS POSSIBLE TO THE EAST.

SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB

— 100 —

1000

[illegible]

PROJECT NO.: SBC.002

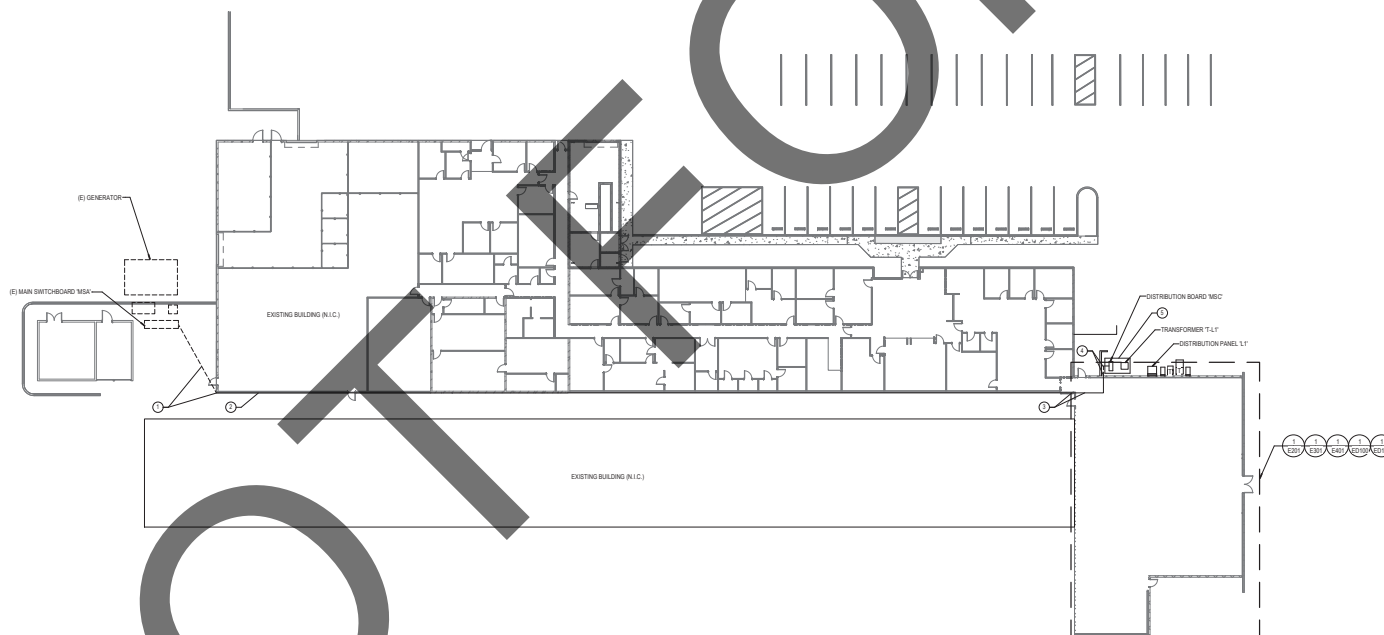
SHEET TITLE:

ELECTRICAL SITE
PLAN

SHEET NO. :

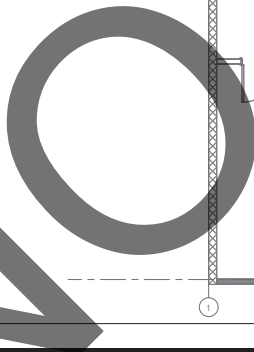
E101

FLEC



ELECTRCIAL SITE PLAN

SCALE: 1" = 20'-0"	1
--------------------	---



SCALE: 1/4" = 1'-0"	1
---------------------	---

HOLT
ARCHITECTURE

36951 COOK ST. STE 103
PALM DESERT, CA 92211
PH: 760.328.5280

2300 MARKET ST. STE 140
RIVERSIDE, CA 92501
PH: 951.462.1451

 412 E. Vanderbilt Way
San Bernardino, CA 92408
Phone: 909.890.3700
Fax: 909.890.3770
Email: cad5@designwesteng.com

DESIGN WEST ENGINEERING
MECHANICAL • ELECTRICAL • ENERGY CONSULTANTS

SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB



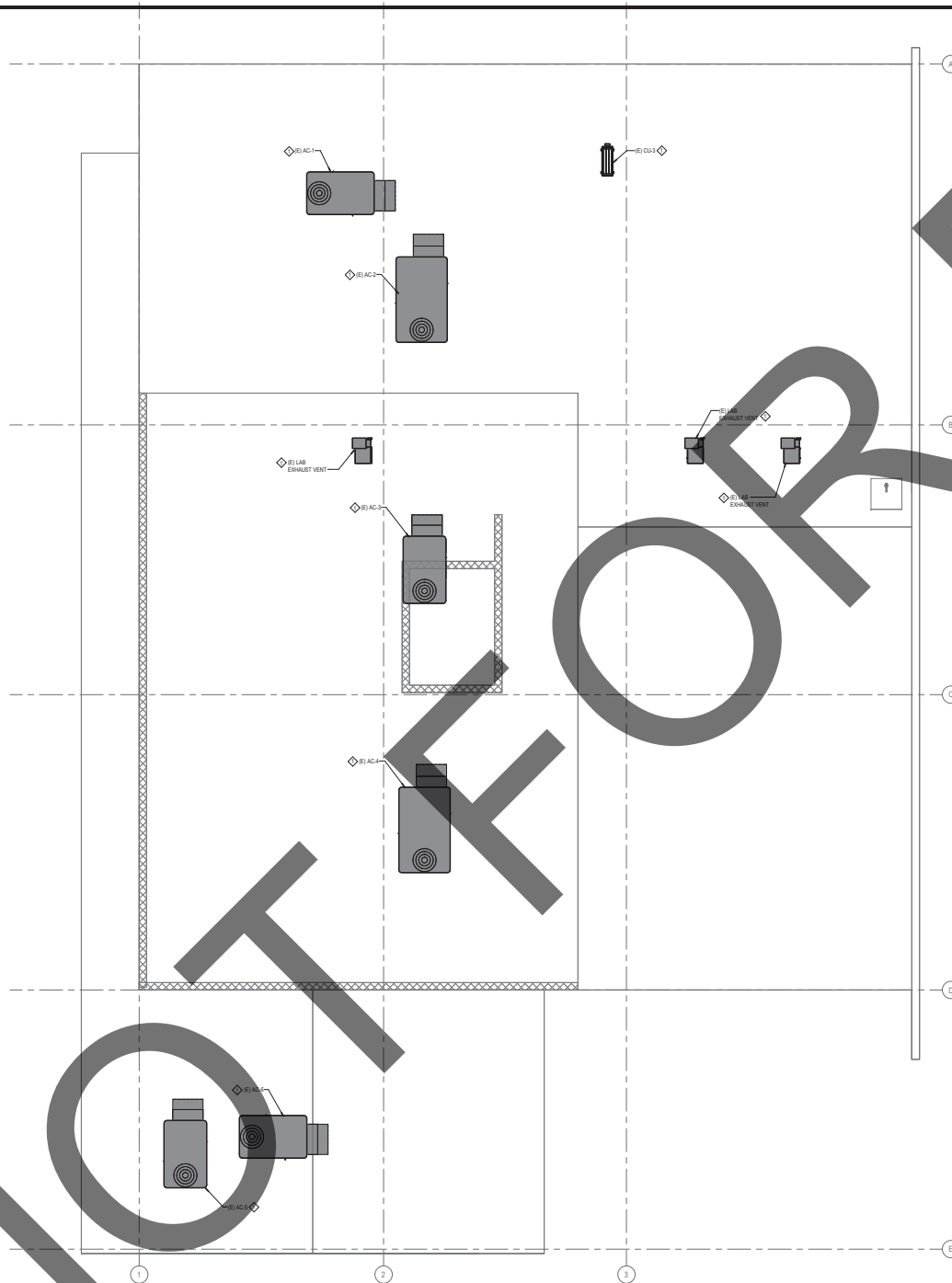
SAN BERNARDINO
COUNTY

MARK	DATE	DESCRIPTION
------	------	-------------

SHEET TITLE:

ELECTRICAL
DEMOLITION
FLOOR PLAN - LAB

ED100



GENERAL NOTES

- REFER TO ELECTRICAL LEGEND AND NOTES SHEET FOR ADDITIONAL DEMOLITION NOTES.
CONTRACTOR IS TO USE EXTREME CAUTION WHEN STARTING THE DEMOLITION WORK. THERE ARE MULTIPLE WIRING SYSTEMS IN THIS WORK AREA. CONTRACTOR SHALL MAKE THE NECESSARY CONDUITS IN SOURCE TRACING ALL EXISTING EQUIPMENT. DISCONNECTS AND CIRCUITS ENTERING AND LEAVING THIS AREA. CONTRACTOR SHALL LABEL ALL CONDUITS BY SOURCE LOCATION. IF CONDUITS ARE TO REMAIN, ALL CIRCUITS BEING REMOVED SHALL HAVE ITS SOURCE IDENTIFIED, LABELED AS BREAK, AND SAFE OFF CIRCUIT BREAKER. ANY CIRCUITS THAT REMAIN ARE TO BE IDENTIFIED AND ADJUST TO RESULTS.

DEMOLITION NOTES

- CONTRACTOR IS TO REMOVE EXISTING DISCONNECT SWITCH FEEDING UNIT. REMOVE ALL ASSOCIATED CONDUIT AND CONDUCTORS BACK TO SOURCE.



SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB
200 SOUTH LEVIA RD.
SAN BERNARDINO, CA

PROJECT:



CLIENT:

MARK	DATE	DESCRIPTION

PROJECT NO.: 08C-002

SHEET TITLE:
ELECTRICAL
DEMOLITION
ROOF PLAN - LAB

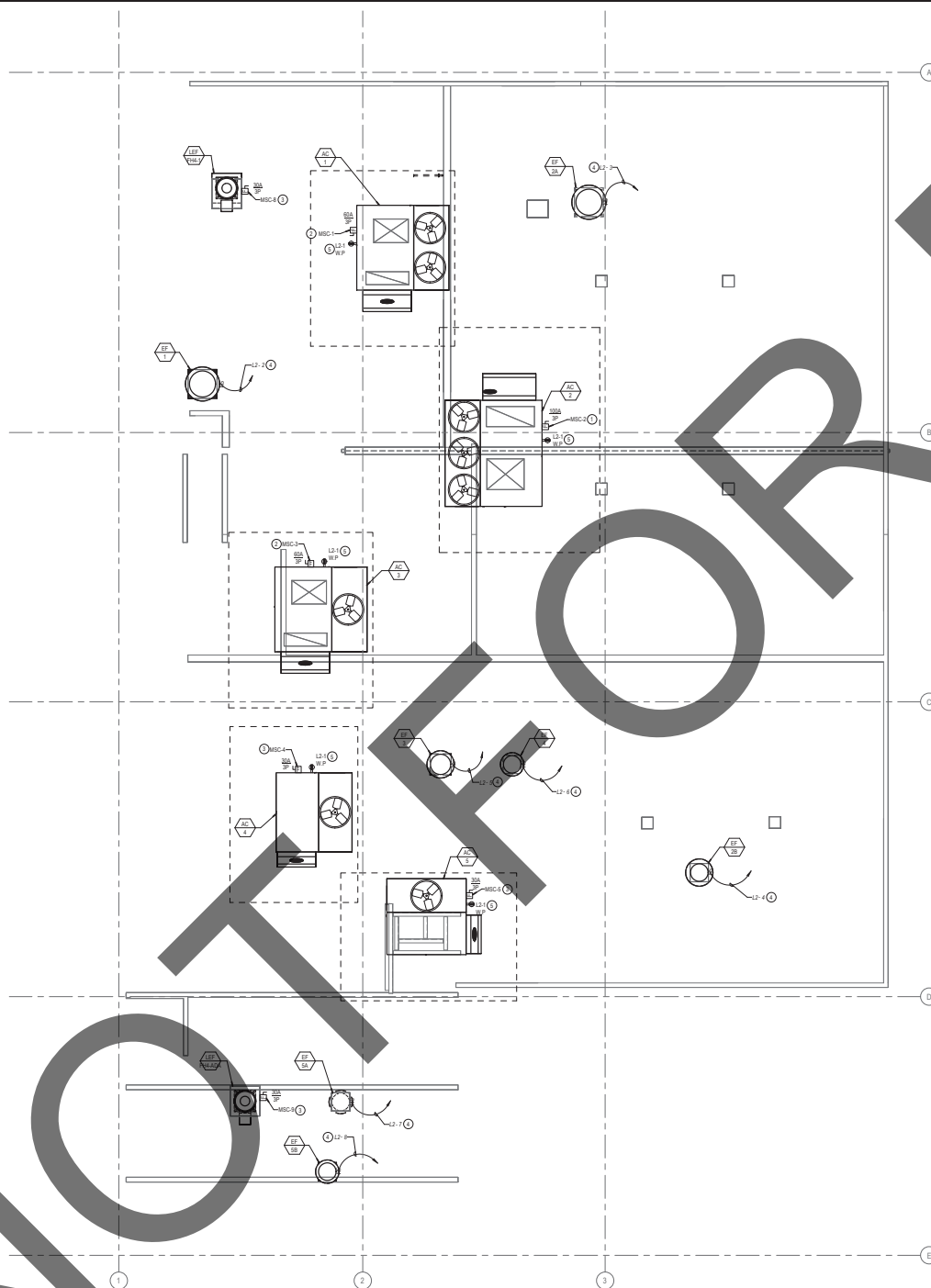
SHEET NO.:

ED120

ELECTRICAL ROOF DEMOLITION PLAN

SCALE: 1/4" = 1'-0" 1

ELEC



GENERAL NOTES

1. ALL CONDUITS SHALL BE INSTALLED IN THE CEILING BELOW U.O.N.
2. REFER TO MECHANICAL AND PLUMBING PLANS FOR THE EXACT LOCATION OF HVAC EQUIPMENT AND ADDITIONAL WIRING REQUIREMENTS
3. PROVIDE CUD DETECTOR/S F.D. POWER AND CONNECTIONS AS INDICATED ON MECHANICAL DRAWINGS.
4. PROVIDE FLEXIBLE SEAL TYPE CONDUIT FOR CONNECTION TO ALL HVAC EQUIPMENT.
5. MOUNT ALL DISCONNECT SWITCHES INDEPENDENT OF THE HVAC UNIT BOX.
6. ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE NEMA 3R.
7. ALL EXTERIOR RECEPTACLE OUTLETS SHALL BE GFCI TYPE.
8. PROVIDE HEAVY DUTY DISCONNECT SWITCHES WITH DUAL ELEMENT FUSES TO MATCH MOTOR HP. RATING.

CONSTRUCTION NOTES

- 1 PROVIDE AND INSTALL 100A 3P 4W.D. WEATHERPROOF NEMA 3R RATED FUSED DISCONNECT. FUSING PER MECHANICAL EQUIPMENT MANUFACTURERS REQUIREMENTS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- 2 PROVIDE AND INSTALL 60A 3P 4W.D. WEATHERPROOF NEMA 3R RATED FUSED DISCONNECT. FUSING PER MECHANICAL EQUIPMENT MANUFACTURERS REQUIREMENTS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- 3 PROVIDE AND INSTALL 30A 3P 4W.D. WEATHERPROOF NEMA 3R RATED FUSED DISCONNECT. FUSING PER MECHANICAL EQUIPMENT MANUFACTURERS REQUIREMENTS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- 4 PROVIDE AND INSTALL NEMA 3R MOTOR RATED SNAP SWITCH.
- 5 PROVIDE WEATHER PROOF OF WORK OUTLET AS REQUIRED WITHIN 25' OF MECHANICAL EQUIPMENT.

HOLT
ARCHITECTURE

36951 COOK ST. STE 103
PALM DESERT, CA 92211
PH: 760.328.5280

2300 MARKET ST. STE 14
RIVERSIDE, CA 92501
PH: 951.462.145

CONSULTANT:



STAMPS



SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB

200 SOUTH LENA RD.
SAN BERNARDINO, CA

PROJECT:



15 MAY

[illegible]

PROJECT NO.: SBC.002

SHEET TITLE:

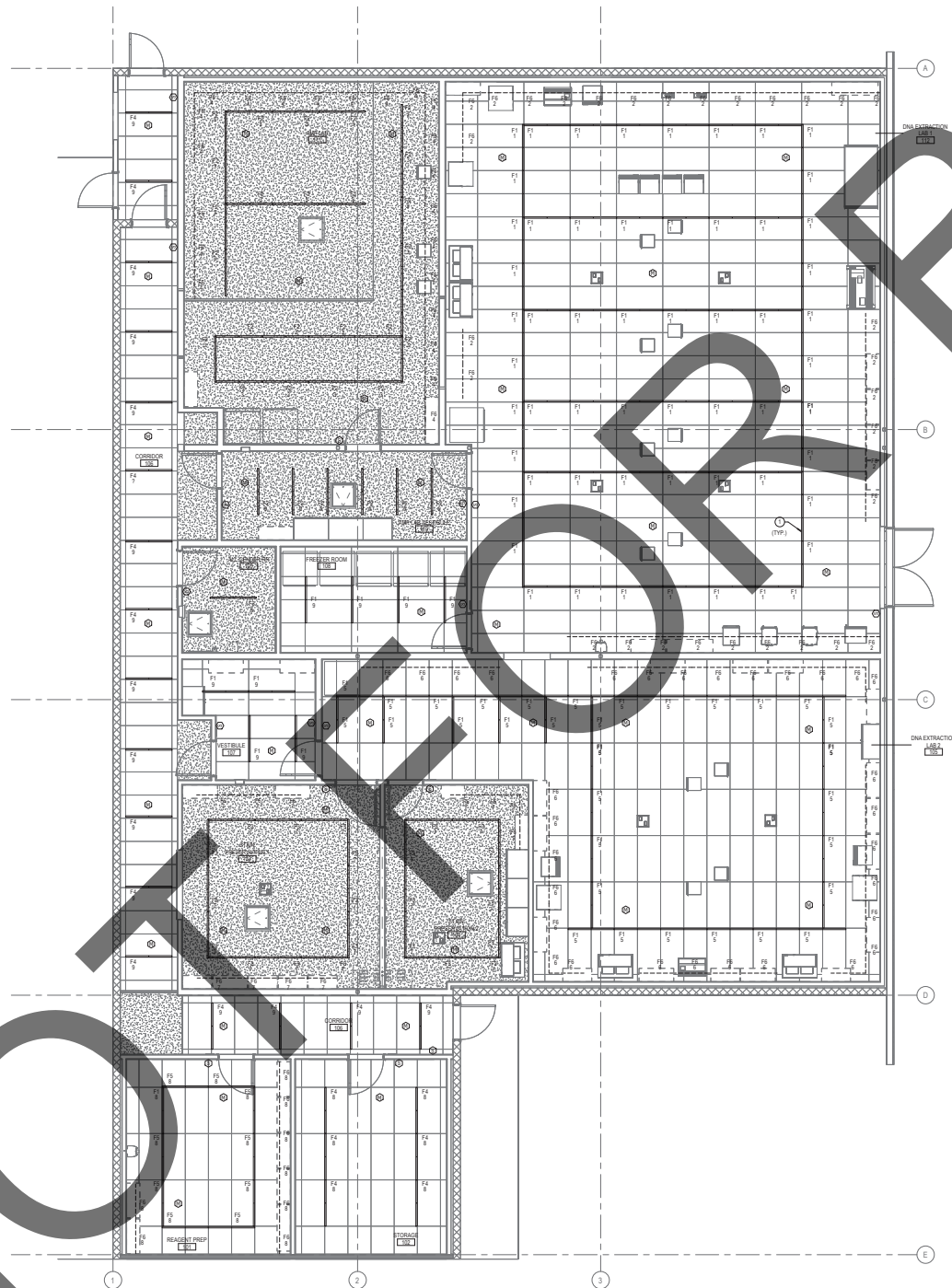
ELECTRICAL ROOF REMODEL PLAN

SHEET NO.:

E301

ELECTRICAL ROOF PLAN

SCALE: 1/4" = 1'-0"	1
---------------------	---



GENERAL NOTES

- [illegible]

CONSTRUCTION NOTES

- ① ALL LIGHTING IN REMODEL TO BE FED FROM PANEL "L"



CONSULTANT:



STAMPS



SAN BERNARDINO COUNTY
SHERIFF'S CRIME LAB

200 SOUTH LENA RD.
SAN BERNARDINO, CA



CLIENT:

[illegible]

PROJECT NO.: SBC.002

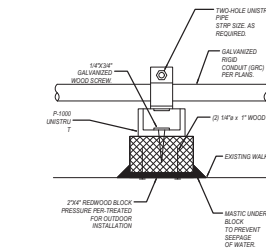
SHEET TITLE

LIGHTING REMODEL PLAN

SHEET NO. -

E401

ELEC

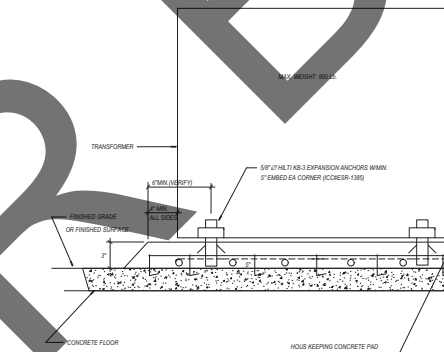
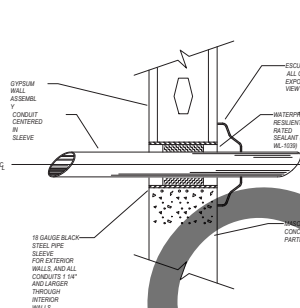
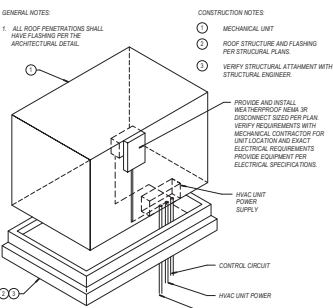


TRANSFORMER RATING	PLAN SIZE OF TRANSFORMER	WEIGHT	NAME
30KVA	20"x18"D	200LB	
45KVA	20"x20"D	340LB	
75KVA	30"x20"D	500LB	
112.5KVA	30"x22"D	700LB	
150KVA	32"x22"D	800LB	

14

10

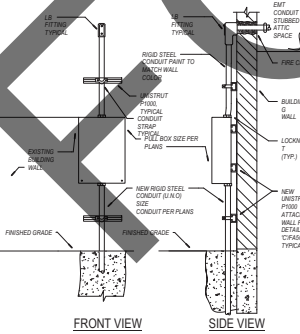
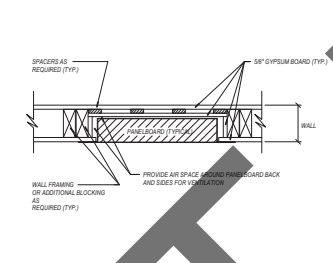
6



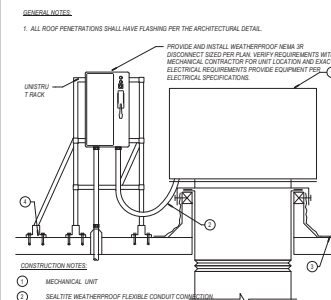
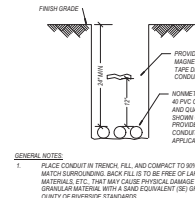
15

11

7



1



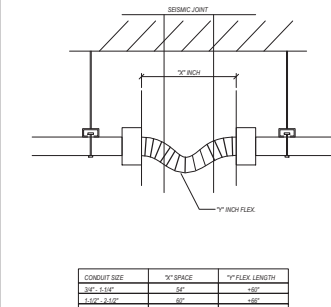
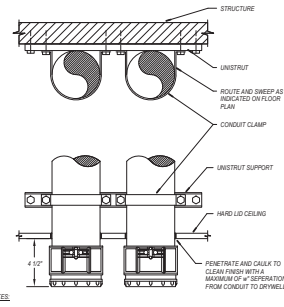
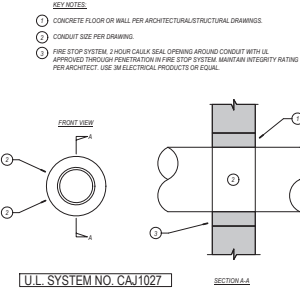
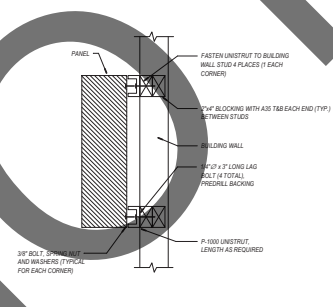
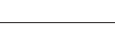
16

12

8

	4
--	---

	2
--	---



17

13

9

5

	3
--	---