

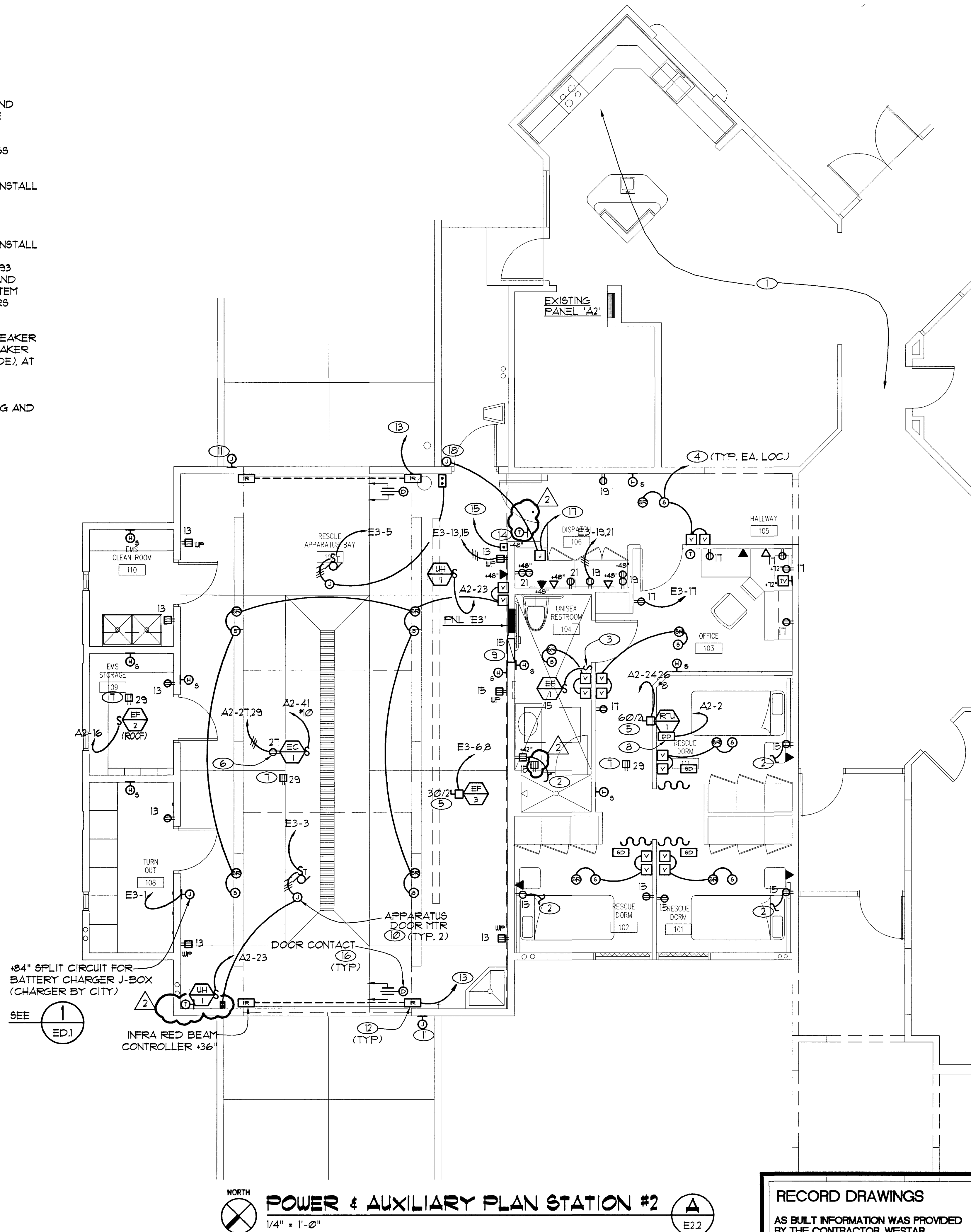
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GENERAL NOTES

1. PROVIDE 3/4"C FROM EACH TELEPHONE, DATA AND TELEVISION OUTLET SHOWN TO EACH RESPECTIVE TERMINATION.
2. ALL AUXILIARY CONDUITS SHALL BE 3/4"C UNLESS OTHERWISE NOTED.
3. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL SPEAKER, CONDUIT, ENCLOSURES, GRILLS, SPEAKERS, TRANSFORMERS, VOLUME CONTROL JUNCTION BOXES AND VOLUME CONTROLS.
4. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT FULL STRINGS, 2 #18 AWG STRANDED CONDUCTOR WITH FOIL DRAIN. USE WEST PENN #293 ONLY AT LANDLINE VOCAL SYSTEM SPEAKERS AND CAROL #C2534-4110 ONLY AT RADIO VOCAL SYSTEM SPEAKERS. WEST PENN AND CAROL CONDUCTORS SHALL BE SEPARATE COLOR CODES.
5. ELECTRICAL CONTRACTOR SHALL TERMINATE SPEAKER WIRING AT SPEAKER J-BOX TERMINALS AND SPEAKER TRANSFORMER (AT 2 WATT TERMINAL TO VOLT SIDE), AT WALL VOLUME CONTROLS AND AT EXISTING COMMUNICATION BOARD.
6. COORDINATE ALL SPEAKER GRILLS WITH LIGHTING AND CENTER GRILL IN CEILING TILE.

NOTICE

1. ALL WORK, MATERIALS AND EQUIPMENT SHALL BE NEW UNLESS OTHERWISE NOTED.
2. NEW FIRE ALARM DEVICES SHALL MATCH EXISTING TYPE AND MANUFACTURER.
3. ALL OUTLETS, FIXTURES AND EQUIPMENT SHALL BE CIRCUITED TO PANEL A2 & E3 UNLESS OTHERWISE NOTED. NUMBERS INDICATE CIRCUITING.
4. ALL WIRING SHALL BE IN CONDUIT. CONDUIT SIZE IS 1/2" MINIMUM UNLESS OTHERWISE NOTED. MC CABLE (MIN. 3/8") IS ALLOWED, HOWEVER, ALL HOMERUNS SHALL BE IN CONDUIT. ENT IS NOT PERMITTED. PVC IS ACCEPTABLE WHERE ALLOWED BY CODE. CONTRACTOR MAY USE EMT, GRS OR IMC AS ALLOWED BY CODE.
5. WIRE SIZE SHALL BE MINIMUM #12 AWG, THIN SOLID COPPER UNLESS OTHERWISE NOTED. PROVIDE GROUND WIRE WHERE REQUIRED BY CODE. INCREASE WIRE SIZE TO COMPENSATE FOR VOLTAGE DROP WHERE TOTAL LENGTH OF ANY BRANCH EXCEEDS 100 FEET.
6. WIRE SIZE SHALL NOT BE LESS THAN CORRESPONDING CIRCUIT BREAKER RATING AS REQUIRED BY CODE.
7. MAXIMUM NUMBER OF UNGROUNDED WIRES IN ANY CONDUIT SHALL BE THREE. ADDITIONAL WIRES ARE ACCEPTABLE IF WIRE SIZE IS INCREASED TO ALLOW FOR DERATING PER CODE. PROVIDE ADDITIONAL WIRES FOR SWITCHING AS REQUIRED. PROVIDE UNSWITCHED WIRE FOR ALL BATTERY UNITS.
8. CONDUIT SHALL BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
9. EACH DUPLEX RECEPTACLE CIRCUIT DOES (NOT) REQUIRE SEPARATE NEUTRAL.
10. VERIFY MOUNTING AND LOCATION OF ALL OUTLETS WITH ARCHITECT PRIOR TO INSTALLATION.
11. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF HVAC EQUIPMENT.
12. ALL TELEPHONE CONDUITS SHALL BE MINIMUM 3/4"C. SEE DIAGRAM 5-ED-1.



NOTES

1. EXISTING AREA TO REMAIN.
2. CONNECT TO LIGHT. SEE SHEET E12 FOR CONTINUATION.
3. PROVIDE FAN SWITCH WITH ENGRAVED NAMEPLATE TO READ "EXH FAN".
4. 3/4"C TO EXISTING RADIO AND LANDLINE VOCAL.
5. PROVIDE W/ FUSED DISCONNECT SWITCH WITH FUSES SIZED PER HVAC EQUIPMENT MANUFACTURER'S RECOMMENDATION. VERIFY EXACT REQUIREMENT WITH EQUIPMENT PROVIDED.
6. PROVIDE NEMA 5-15 RECEPTACLE IN ENCLOSURE WITHIN EC UNIT FOR RECIRCULATION PUMP. PROVIDE CONDUIT, WIRE CONNECTIONS, ETC. AS REQUIRED. COORDINATE INSTALLATION WITH MECHANICAL. IN ADDITION, PROVIDE 1/2"C TO 6 POSITIONS SELECTOR SWITCH.
7. PROVIDE W/ GFI MAINTENANCE RECEPTACLE ON ROOF.
8. DUCT DETECTOR FURNISHED AND INSTALLED BY CONTRACTOR.
9. CONTROL PANEL FOR EF-3. COORDINATE REQUIREMENT WITH MECHANICAL PRIOR TO INSTALLATION.
10. CONNECT TO OVERHEAD DOOR MOTOR TO INCLUDE THE INSTALLATION OF HAND HELD TRANSMITTER: FOR EACH BAY, 2-BUTTON TRANSMITTER, ONE BUTTON TO CLOSE (NOT OPEN) FRONT DOOR OF BAY AND ONE BUTTON TO OPEN (NOT CLOSE) REAR DOOR OF BAY AND CONTROLLERS, CONTROL WIRING, ETC. AS REQUIRED BY EQUIPMENT MANUFACTURER.
11. PROVIDE FLUSH MOUNTED J-BOX AT 48" AFF FOR REMOTE CONTROL ANTENNAS FOR GARAGE DOOR OPENERS. PROVIDE 3/4"C TO MOTOR.
12. PROVIDE FLUSH MOUNTED JUNCTION BOX AT BOTH SIDES OF ROLL-UP DOOR AT 36" AFF FOR INFRARED DOOR CONTROL. ROUTE 3/4" CONDUIT UNDER GROUND AND UP TO OPPOSITE BOX WHEN BEAM IS BROKEN. DOOR SHALL STOP OR REVERSE.
13. 3/4" CONDUIT TO MOTOR CONTROLLER OF ROLL-UP DOOR ROUTE CONDUIT IN WALL TO FLUSH MOUNTED JUNCTION BOX.
14. MUSHROOM HEAD SWITCH WITH ENGRAVED NAMEPLATE ON COVER FOR CONTROL OF TRAFFIC SIGNAL.
15. PROVIDE CONDUIT AND WIRE AS REQUIRED TO EMERGENCY TRAFFIC SIGNAL, TIE TO EXISTING CONTROLLER BOX AND TIMER AT EXISTING DISPATCH COUNTER.
16. DOOR CONTACT SHALL BE A MOMENTARY CONTACT INITIATED BY ANY APPARATUS BAY DOOR CLOSING EITHER FROM LIMIT SWITCH ON DOOR OR APPROPRIATE CONTACT AT DOOR CONTROLLER. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TIME DELAY RELAYS, 120V. POWER, CONDUIT, WIRE, CONTROLS, ETC TO INTERFACE OVERHEAD APPARATUS DOORS W/ EC-1 SEQUENCE OF OPERATION SHALL BE AS FOLLOWS:
 1. WHEN ANY BAY DOOR CLOSES EC-1 SHALL OPERATE FOR A MINIMUM OF 15 MINUTES.
 2. EC-1 SHALL HAVE A MANUAL CONTROL SW FOR OVERRIDE OF TIME DELAY OPERATION.
 3. EF SHALL OPERATE UPON ACTIVATION OF PLYMOVMENT EXHAUST SYSTEM.
 4. CONNECT ROTATING RED BEACON TO DOOR OPENER SUCH THAT BEACON ILLUMINATES WHEN DOOR OPENS OR CLOSES STOPS WHEN DOOR IS COMPLETELY OPEN, OR CLOSED.
17. 6"X6" J-BOX MOUNTED ABOVE CEILING WITH 3/4" CONDUIT TO EXISTING TELEPHONE BACKBOARD.
18. PROVIDE FLUSH J-BOX AT 48" AFF. FOR FUTURE CARD READER SYSTEM WITH 3/4"C TO 6"X6" J-BOX ABOVE THE CEILING. RUN CONDUIT FROM J-BOX (EXTERIOR) TO ELECTRICAL STRIKE.

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A FACILITY IMPROVEMENT FOR:
FIRE STATION 2, 7, & 9

LAS VEGAS, NEVADA

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