

MECHANICAL LEGEND & ABBREVS.

SYMBOL ABBREV. DESCRIPTION

	SS-1	CEILING SLOT-TYPE SUPPLY AIR DIFFUSER WITH CFM AND THROW AS INDICATED ON PLAN
	RG-1	CEILING SLOT-TYPE RETURN AIR GRILL TO PLENUM (NO DUCT CONNECTION)
		FLEXIBLE DUCTWORK (SHOWN SINGLE LINE)
	MVD	MANUAL VOLUME DAMPER WITH LOCKING QUADRANT
	CO	CARBON MONOXIDE SENSOR
	T*STAT	THERMOSTAT OR SENSOR
	AFF	ABOVE FINISHED FLOOR
	BBD	BACKDRAFT DAMPER
	BDD	BOTTOM OF DUCT
	CFM	CUBIC FEET PER MINUTE
	EC	ELECTRICAL CONTRACTOR
	ER	EXHAUST REGISTER
	G	GAS CONNECTION TO MECHANICAL EQUIPMENT
	MC	MECHANICAL CONTRACTOR
	OBD	OPPOSED BLADE DAMPER
	OC	ON CENTER
	OSA	OUTSIDE AIR
	PC	PLUMBING CONTRACTOR
	POC	POINT OF CONNECTION BETWEEN WORK OF DIFFERENT TRADES
	SM	SHEET METAL
	TOD	TOP OF DUCT
	U/C	UNDERCUT (DOOR)
	SA	SUPPLY AIR (DUCT OR PLENUM)
	RA	RETURN AIR (DUCT OR PLENUM)
	EA	EXHAUST AIR (DUCT OR PLENUM)
	(E)	EQUIPMENT AND DEVICES SHOWN DASHED INDICATES EXISTING TO REMAIN
	(E)	EQUIPMENT AND DEVICES SHOWN DASHED WITH DEMO SLASH INDICATES EXISTING TO BE REMOVED

APPLICABLE CODES

1. INSTALLATION OF ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES:
 2013 CALIFORNIA MECHANICAL CODE (INCORPORATING AND AMENDING THE 2012 UMC)
 AND ALL CODES AND ORDINANCES, ETC., OF THE CITY OF RANCHO MIRAGE, CA, AND OF ALL AUTHORITIES HAVING JURISDICTION OVER THE WORK.

GENERAL MECHANICAL NOTES

- ALL EQUIPMENT AND DEVICES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS' RECOMMENDATIONS.
- THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND AS SUCH DO NOT SHOW EVERY FITTING, OFFSET, TRANSITION, ETC. REQUIRED. THE DRAWINGS INDICATE REQUIRED SIZES AND TERMINATIONS OF DUCTWORK AND PIPING AND SUGGEST ROUTES OF DUCTWORK AND PIPING TO CONFORM TO THE STRUCTURE, TO AVOID OBSTRUCTIONS AND TO PRESERVE CLEARANCE.
- COORDINATE MECHANICAL WORK WITH WORK OF ALL OTHER TRADES.
- VERIFY REQUIRED OPENINGS THROUGH BUILDING STRUCTURE FOR MECHANICAL WORK WITH GENERAL CONTRACTOR BEFORE ROUGH-IN.
- COORDINATE THE LOCATION OF ALL ROOF OPENINGS AND THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT WITH THE STRUCTURAL AND ARCHITECTURAL DRAWINGS PRIOR TO ANY INSTALLATION.
- LOCATE ALL MECHANICAL DEVICES SUCH AS TERMINAL DEVICES, VOLUME DAMPERS, ETC. REQUIRING ACCESS OR ADJUSTMENT ABOVE AREAS WITH ACCESSIBLE CEILINGS, OR PROVIDE ACCESS DOORS OF REQUIRED SIZE AND FIRE RATING, ONLY WITH PRIOR APPROVAL OF ARCHITECT.
- COORDINATE THE LOCATION OF AIR OUTLETS AND INLETS AND ACCESS PANELS WITH ARCHITECTURAL DRAWINGS. VERIFY ALL LOCATIONS WITH ARCHITECT BEFORE ROUGH-IN.
- ALL DUCT DIMENSIONS SHOWN ARE NET INTERNAL DIMENSIONS. ALLOW ADDITIONAL SHEET METAL DIMENSIONS FOR INTERNAL LINING WHERE APPLICABLE. ALL DUCTWORK LOCATED OUTDOORS SHALL BE LINED. ALL DUCTWORK INSTALLED INDOORS SHALL BE EXTERNALLY INSULATED AS PROVIDED IN DUCTWORK INSULATION SPECIFICATION.
- SUBMITTALS: AT LEAST TWO WEEKS PRIOR TO ORDERING, FABRICATION, OR INSTALLATION OF ANY WORK, SUBMIT TO ENGINEER PDF FILES OF PRODUCT DATA FOR ALL EQUIPMENT DEVICES, AND MATERIAL TO BE USED. NOTE PLAN TAG, SPECIFIC MODEL, SIZES, OPTIONS, ACCESSORIES, ETC. ON ALL PRODUCT DATA SHEETS. UNMARKED SHEETS WILL BE RETURNED FOR RESUBMITTAL.
- UPON COMPLETION OF THE WORK, INSTRUCT THE OWNER IN PROPER OPERATION OF THE MECHANICAL SYSTEMS AND PROVIDE TWO SETS OF OPERATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT AND DEVICES.
- WARRANTY: THE COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE BY THE OWNER. ANY WORK, MATERIAL, OR EQUIPMENT FOUND DEFECTIVE DURING THIS PERIOD SHALL BE CORRECTED IMMEDIATELY, UPON WRITTEN NOTIFICATION, AT THE CONTRACTOR'S EXPENSE.
- APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY FASTENED IN PLACE.
- MECHANICAL EQUIPMENT SUPPORTED DIRECTLY BY THE GROUND SHALL BE ISOLATED FROM THE GROUND BY A LEVEL CONCRETE SLAB EXTENDING NOT LESS THAN THREE (3) INCHES ABOVE THE ADJOINING GROUND LEVEL.
- VISIT EXISTING BUILDING OR SITE BEFORE SUBMITTING BID. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS, ACTUAL PHYSICAL LOCATIONS, AND WORK TO BE PERFORMED.

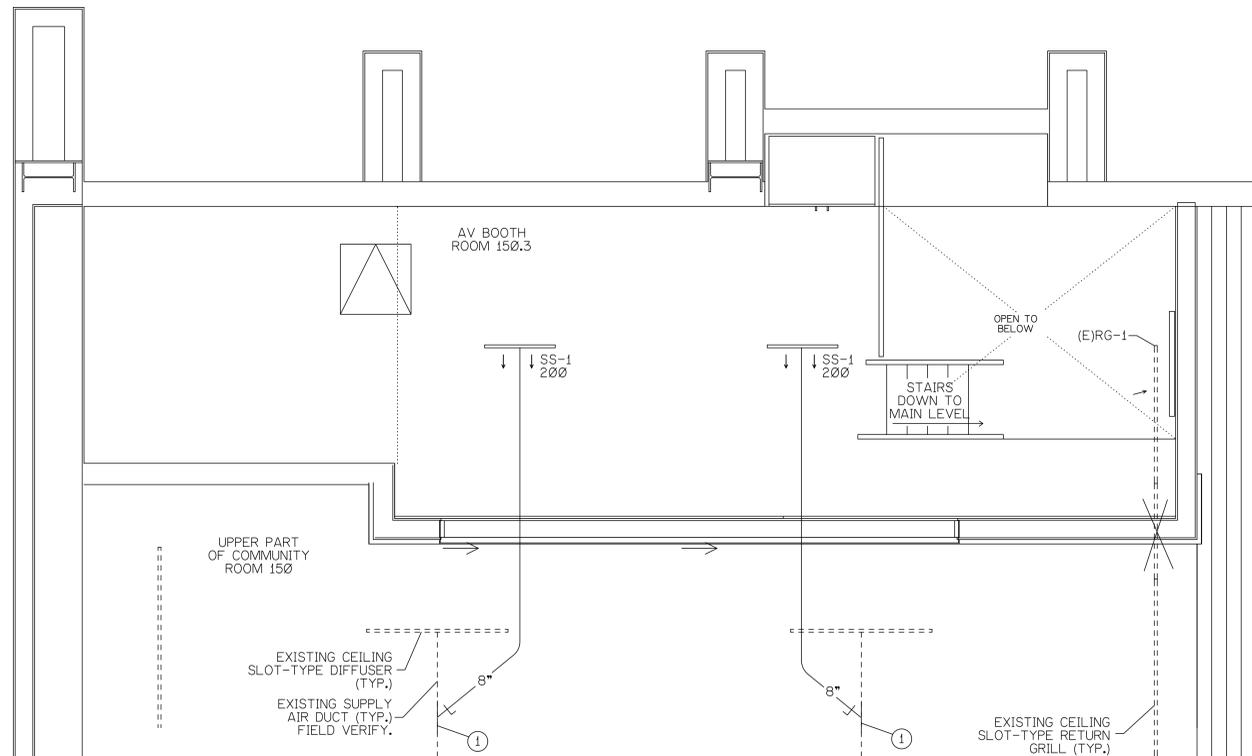
MATERIAL AND DEVICE SPECIFICATIONS

- 23 31 ØØ HVAC DUCTWORK
 ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED AS PER CMC.
 DURING THE CONSTRUCTION PHASE:
 AT THE TIME OF ROUGH INSTALLATION, AND DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION EQUIPMENT AND COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEETMETAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM.
 CALGREEN COMPLIANCE: CODE SECTION 5.713.10.4.
- SUPPLY AND RETURN DUCTWORK:
 FLEXIBLE INSULATED DUCTWORK: INNER CORE: 2-PLY POLYESTER. VAPOR BARRIER: METALIZED SILVER REINFORCED POLYESTER. LISTED AND LABELED AS CLASS 1 AIR DUCT. TESTED IN ACCORDANCE WITH ULL STANDARD 181. MANUFACTURER: JP LAMBORN NHP R-B. CLOSURE TAPE SHALL BE ULL 181 B-FX LISTED. MANUFACTURER: VENTURE SILVER.
- DUCT SEALER: GLENCOAT SEALFLEX.
 1. SEAL ALL NEW SUPPLY, RETURN, AND EXHAUST DUCTWORK SYSTEMS.
 2. SEAL ALL CONNECTIONS BETWEEN NEW AND EXISTING DUCTWORK.
- 23 37 ØØ AIR OUTLETS AND INLETS
 GENERAL:
 1. ALL AIR INLETS AND OUTLETS SHALL MATCH EXISTING. FINISH: FACTORY PAINTED WHITE.
 2. VERIFY FRAME TYPE WITH ARCHITECTURAL PLANS.
 3. PAINT ALL GALVANIZED SHEET METAL VISIBLE THROUGH DIFFUSER OR GRILL FACE FLAT BLACK.
- SUPPLY:
 SS-1 CEILING SLOT-TYPE SUPPLY AIR DIFFUSER TO MATCH EXISTING. PROVIDE 12" HIGH X 6" WIDE X 24" LONG LINED SHEET METAL PLENUM (1/2" DUCT LINER) WITH SIDE INLET COLLAR AND MVD.
- RETURN:
 RG-1 CEILING SLOT-TYPE RETURN AIR GRILL TO PLENUM (NO DUCT CONNECTION) TO MATCH EXISTING.

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	SCALE: AS SHOWN	

MECHANICAL SHEET INDEX

SHEET NO.	SHEET TITLE
M1	MECHANICAL PLANS



MEZZANINE HVAC PLAN

SCALE: 1/2"=1'-0"

- ① PROVIDE NEW TEE-WYE FITTING IN EXISTING SUPPLY DUCT AND RUN NEW DUCTWORK PER PLAN.



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for

City of Rancho Mirage
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 CP 16-326

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SHEET TITLE:
MECHANICAL PLANS
 SHEET NUMBER:
M1

ELECTRICAL LEGEND & ABBREVS.

SYMBOL DESCRIPTION

NOTE: FOR LIGHTING FIXTURE AND OCCUPANCY SENSORS, SEE LIGHTING FIXTURE AND OCCUPANCY SENSOR SCHEDULES.

- ⌘ SINGLE POLE SWITCH - WALL MOUNTED + 44" AFF OR AS NOTED.
- SUBSCRIPT SYMBOLS INDICATE THE FOLLOWING:
- ⌘₃ 3 THREE WAY SWITCH
- ⌘_D D DIMMER
- ⌘_M M MOTOR STARTING SWITCH
- ⌘_{a,b,c} a, b, c INDICATES THE NUMBER OF SWITCHES AND THE CIRCUITS CONTROLLED
- ⌘_{OS} OS WALL SWITCH OCCUPANCY SENSOR
- ⌘_{OS-a,b} OS WALL SWITCH OCCUPANCY SENSOR DUAL RELAY
- ⌘_{VS} VS WALL SWITCH VACANCY SENSOR
- ⌘_{VS-a,b} OS WALL SWITCH VACANCY SENSOR DUAL RELAY
- ⌘_{F+L} F+L CEILING FAN CONTROL SWITCH AND LIGHT SWITCH - SINGLE GANG
- ⌘_F F CEILING FAN CONTROL SWITCH

RECEPTACLES - WALL MOUNTED +15" AFF OR AT HEIGHT NOTED ON PLAN.

- WP INDICATES WEATHERPROOF
- CT INDICATES RECEPTACLE IS MOUNTED ON WALL OR BACKPLASH ABOVE COUNTERTOP, +42" UON.
- UC INDICATES RECEPTACLE IS MOUNTED UNDER A COUNTERTOP OR INSIDE A CABINET.
- ⌘ DUPLEX OUTLET
- ⌘ GFCI DUPLEX OUTLET
- ⌘ QUADPLEX OUTLET
- ⌘ DUPLEX OUTLET WIRED FOR HALF HOT
- ⌘ SINGLE OUTLET
- ⌘ FLOOR MOUNTED DUPLEX OUTLET

EQUIPMENT AND MOTOR CONTROL

- ⌘ DISCONNECT (SAFETY) SWITCH - FUSED AND HP RATED ACCORDING TO THE DEVICE BEING SERVED.
- ⌘ MOTOR STARTER - NUMBER INDICATES NEMA SIZE
- ⌘ COMBINATION FUSED DISCONNECT AND MOTOR STARTER - NUMBER INDICATES NEMA SIZE

CONDUIT AND WIRE - CEC

- ⊙ JUNCTION BOX

ALARM AND SIGNAL

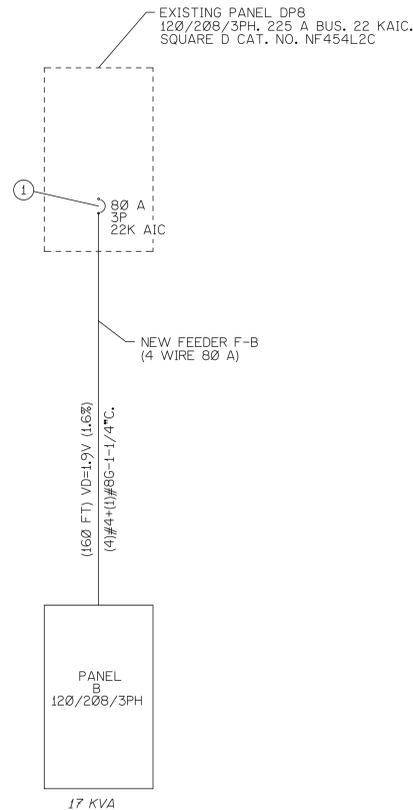
- ⌘ SD AREA SMOKE DETECTOR.
- ⌘ OUTDOOR HORN ANNUCIATOR.
- ⌘ CO+SD COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR - KIDDE KN-COPE-1, 120 VAC, BATTERY BACKUP, INTERCONNECTIBILITY WITH OTHER SD'S AND CO+SD'S FOR GLOBAL ALARM.
- ⌘ PUSHBUTTON CONTROL STATION (DOORBELL, GARAGE DOOR OPENER, ETC.)

COMMUNICATION AND DATA

- ⌘ C CABLE TELEVISION OUTLET
- ⌘ T TELEPHONE OUTLET
- ⌘ D DATA OUTLET

ABBREVIATIONS

- A AMPERES
- AFCI ARC-FAULT CIRCUIT-INTERRUPTER (BREAKER)- UL 1699.
- CEC CALIFORNIA ELECTRICAL CODE
- CECOM CALIFORNIA ENERGY COMMISSION
- GFCI GROUND-FAULT CIRCUIT-INTERRUPTER
- UON UNLESS OTHERWISE NOTED
- EC ELECTRICAL CONTRACTOR
- MC MECHANICAL CONTRACTOR
- PC PLUMBING CONTRACTOR
- MTG MOUNTING
- (E) EXISTING
- (R) RELOCATED (NEW LOCATION)

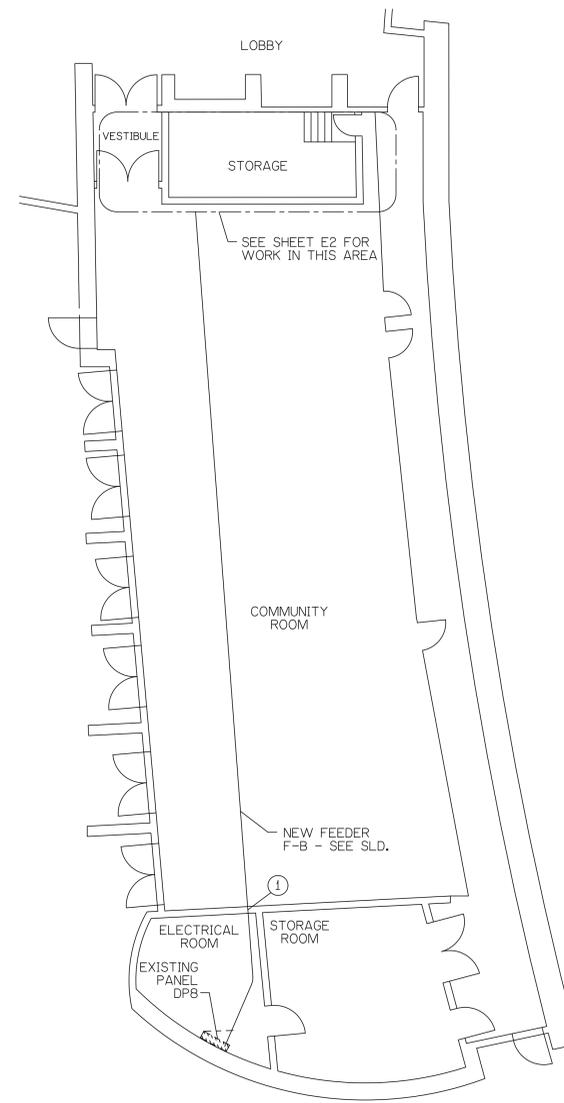


SINGLE LINE DIAGRAM

SCALE: NONE

DIAGRAM NOTES:

- ① PROVIDE NEW CIRCUIT BREAKER IN EXISTING SPACES 43, 45, 57.



OVERALL PLAN

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

DIAGRAM NOTES:

- ① FIRE SAFE PENETRATION THROUGH 2-HOUR FIRE-RESISTANCE-RATED ASSEMBLY.

APPLICABLE CODES

1. INSTALLATION OF ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES:
2013 CALIFORNIA ELECTRICAL CODE (INCORPORATING AND AMENDING THE 2011 NEC)
AND ALL CODES AND ORDINANCES, ETC., OF THE CITY OF RANCHO MIRAGE, CA, AND OF ALL AUTHORITIES HAVING JURISDICTION OVER THE WORK.

GENERAL ELECTRICAL NOTES

PROJECT ADMINISTRATION

2. THESE GENERAL ELECTRICAL NOTES REFLECT THE REQUIREMENT OF THE ELECTRICAL CONTRACTOR TO PROVIDE A COMPLETE AND OPERABLE ELECTRICAL SYSTEM. "PROVIDE" MEANS "FURNISH AND INSTALL." "EC" MEANS ELECTRICAL CONTRACTOR.
3. IT IS THE RESPONSIBILITY OF THE EC TO PROVIDE ALL MATERIALS, CONDUIT, WIRING, CONTROL DEVICES AND EQUIPMENT REQUIRED TO ENSURE ALL SYSTEMS ARE COMPLETE AND OPERABLE.
4. THE DIAGRAMS AND SYMBOLS SHOWN ON THESE DRAWINGS REFLECT THE INTENT OF THE ELECTRICAL SYSTEMS AND AS SUCH ARE SHOWN DIAGRAMATICALLY.
5. THE EC SHALL REVIEW THE COMPLETE SET OF CONSTRUCTION DOCUMENTS AND VISIT THE PROJECT SITE EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS.
6. THE EC SHALL NOTIFY THE PROJECT MANAGER AND THE ARCHITECT SHOULD A CONFLICT EXIST BETWEEN THESE DRAWINGS AND FIELD CONDITIONS.
7. COORDINATE ELECTRICAL WORK WITH WORK OF ALL OTHER TRADES.
8. ALL EQUIPMENT AND DEVICES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. LOCATE ALL ELECTRICAL DEVICES REQUIRING ACCESS OR ADJUSTMENT ABOVE AREAS WITH ACCESSIBLE CEILINGS, OR PROVIDE ACCESS DOORS OF REQUIRED SIZE AND FIRE RATING, ONLY WITH PRIOR APPROVAL OF PROJECT MANGER AND ARCHITECT.
10. UPON COMPLETION OF THE WORK, INSTRUCT THE OWNER IN PROPER OPERATION OF THE ELECTRICAL SYSTEMS AND PROVIDE TWO SETS OF OPERATION AND MAINTENANCE MANUAL FOR ALL EQUIPMENT AND DEVICES.
11. WARRANTY: THE COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE BY THE OWNER. ANY WORK, MATERIAL, OR EQUIPMENT FOUND DEFECTIVE DURING THIS PERIOD SHALL BE CORRECTED IMMEDIATELY, UPON WRITTEN NOTIFICATION, AT THE CONTRACTOR'S EXPENSE.
12. VISIT EXISTING BUILDING BEFORE SUBMITTING BID. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS, ACTUAL PHYSICAL LOCATION, AND WORK TO BE PERFORMED.
13. SUBMITTALS: AT LEAST ONE WEEK PRIOR TO ORDERING, FABRICATION, OR INSTALLATION OF ANY WORK, SUBMIT TO ENGINEER PRODUCT DATA WITH MODEL NUMBERS AND OPTIONS, ACCESSORIES, FINISHES, ETC. CLEARLY MARKED FOR ALL EQUIPMENT, FIXTURES, DEVICES, AND MATERIAL TO BE USED ON THIS PROJECT. HARD COPY SUBMITTALS ARE NOT REQUIRED. PDF SUBMITTALS ARE PREFERRED. SEND TO: davec.cpp@gmail.com.

PLANS PREPARED BY: www.equityspec-engineers.com

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ELECTRICAL SHEET INDEX

SHEET NO.	SHEET TITLE
E1.0	ELECTRICAL TITLE SHEET - NOTES, LEGEND, OVERALL FLOOR PLAN, SINGLE LINE DIAGRAM
E1.1	SPECIFICATIONS
E2	ELECTRICAL PLANS
E3	SCHEDULES



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TITLE SHEET

SHEET NUMBER:
E1.0

MATERIAL AND DEVICE SPECIFICATIONS

MATERIALS:

1. ELECTRICAL MATERIALS AND PARTS SHALL BE PROVIDED BY THE SAME MANUFACTURER FOR EACH CLASS OR GROUP OR TYPE OF MATERIALS.
2. ALL MATERIALS, PARTS, AND EQUIPMENT SHALL BE NEW AND UL LISTED UNLESS OTHERWISE NOTED.

SERVICE EQUIPMENT (N/A):

DISTRIBUTION EQUIPMENT:

1. PANEL BOARDS WITH MOLDED CASE CIRCUIT BREAKERS SHALL BE PROVIDED WITH HINGED LOCKABLE DOORS WITH KEYED ALIKE FLUSH LOCKS, INDEX CARD HOLDERS, AND PERMANENT DEVICE NUMBERS. NEUTRAL BAR, GROUND BAR, NEMA F81, UL 67, SQUARE D NO.
2. REFER TO PANEL SCHEDULES FOR PANEL MOUNTING REQUIREMENTS, VOLTAGE, AND INDIVIDUAL DEVICE REQUIREMENTS.
3. CIRCUIT BREAKERS SHALL BE PLUG-IN TYPE, WITH A MINIMUM AIC RATING AS NOTED ON PANEL SCHEDULES. LUGS SHALL BE UL LISTED FOR USE WITH 75 DEGREE C CONDUCTORS. SQUARE D QO.
4. ALL SWITCHBOARDS AND PANELBOARDS SUPPLIED BY A FEEDER SHALL BE LEGIBLY AND PERMANENTLY MARKED TO INDICATE THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES.

BRANCH CIRCUITS:

1. BRANCH CIRCUITS CONDUCTOR COUNT HASH MARKS MAY NOT BE SHOWN ON THE DRAWINGS. THE EC SHALL PROVIDE BRANCH CONDUITS AND WIRING TO ALL CIRCUITS INDICATED AND AS REQUIRED FOR A COMPLETE AND OPERABLE BRANCH CIRCUIT DISTRIBUTION SYSTEM AS PER THE CEC.
2. MINIMUM CONDUCTOR SIZE SHALL BE #12 COPPER. MINIMUM CONDUIT SIZE SHALL BE 3/4".
3. ALL CIRCUITS SHALL BE PROVIDED WITH AN INSULATED GROUND CONDUCTOR SIZED IN ACCORDANCE WITH CEC TABLE 250-122. RACEWAY SHALL NOT BE USED AS A GROUND.
4. ON THE COVER PLATE OF EACH JUNCTION BOX, LEGIBLY LABEL WITH PERMANENT MARKER THE CIRCUITS PASSING THROUGH OR TERMINATING AT THE BOX.

CONDUIT:

1. Conduit material:
 1. EMT: Electrical metallic tubing; ANSI C80.3, zinc-coated steel, with compression fittings.
 2. FMC: Flexible metal conduit; zinc-coated steel.
 6. RNC: Rigid nonmetallic conduit; NEMA TC 2, Schedule 40 PVC, with NEMA TC 3 fittings.
 7. Raceway fittings: Specifically designed for raceway type with which used.
 8. MC Cable with compatible fittings per CEC.
3. Indoor Installations:
 1. Exposed: EMT.
 2. Concealed in walls or above ceilings: EMT, FMC, MC cable. Note: where permitted by code, MC cable may be used for lighting branch circuits above suspended ceilings and in stud partitions for whips to individual devices.
4. Exposed conduits that penetrate walls or ceilings shall be made with LB conduit bodies for EMT or rigid conduits at penetration points. Conduit sweep penetrations are not acceptable.

JUNCTION AND PULL BOXES:

1. BOXES OR SPLICE BOX ENCLOSURES SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH CEC ARTICLE 370.
3. BOXES LOCATED INDOORS SHALL BE ONE-PIECE ZINC-PLATED STEEL, KNOCKOUT TYPE WITH REMOVEABLE MACHINE SCREW COVERS.

OUTLET BOXES:

1. VERIFY THE MOUNTING HEIGHT OF ALL OUTLET BOXES PRIOR TO INSTALLATION. COORDINATE WITH OTHER TRADES.
2. OUTLET BOXES FOR WALL SCONCE LIGHT FIXTURES, RECEPTACLES, AND SWITCH DEVICES SHALL BE INSTALLED TO MEET ADA REQUIREMENTS.
3. OUTLET BOXES SHALL BE ONE-PIECE ZINC PLATED STEEL, KNOCKOUT TYPE, NOT LESS THAN 4 INCHES SQUARE AND 1-1/2" DEEP.
4. NO BACK-TO-BACK OUTLETS ARE PERMITTED. OUTLETS SHALL BE OFFSET 12" HORIZONTALLY.

CONDUCTORS:

1. ALL CONDUCTORS SHALL BE COPPER WITH AMPACITY RATINGS IN ACCORDANCE WITH CEC ARTICLE 310 AND TABLE 310.
2. ALUMINUM CONDUCTORS ARE NOT APPROVED FOR THIS PROJECT.
3. CONDUCTORS SHALL BE CODE GRADE THHN/THWN (DRY/WET) 600 VOLT 75 DEGREE C, COPPER WITH MARKING 24*0.C. INDICATING MANUFACTURER, WIRE TYPE, AMPERAGE, AND SIZE.
4. THE MINIMUM WIRE SIZE SHALL BE #12 AWG SOLID COPPER. WIRE SIZE #8 AND LARGER SHALL BE COPPER STRANDED.
5. SPLICES SHALL BE MADE WITH SPRING WIRE CONNECTORS.
6. BRANCH CIRCUIT AND FIXTURE WIRING, SPLICES AND TAPS FOR CONDUCTORS #10 AND SMALLER SHALL BE MADE WITH UL LISTED 600 VOLT CONNECTORS. MFRS: IDEAL, SCOTCHLOK.
7. CONDUCTORS IN PANELS, TERMINAL CABINETS, PULL BOXES, AND WIRING GUTTERS SHALL BE NEATLY GROUPED AND TAPED OR TIED TOGETHER. MFRS: 3M SCOTCH #33 PLASTIC ELECTRICAL TAPE, T&B TY-RAP CABLE TIES.
8. REMOVE ALL DEBRIS AND MOISTURE FROM CONDUITS, BOXES, AND CABINETS BEFORE THE INSTALLATION OF CONDUCTORS.
9. WHEN REQUIRED, WIRE PULLING COMPOUNDS BY 3M, IDEAL, POLYWATER SUITABLE FOR THE CONDUCTOR TYPE AND USE, ARE APPROVED. OIL, GREASE, OR SIMILAR SUBSTANCES ARE NOT APPROVED AS PULLING COMPOUNDS.
10. ALL CONDUCTORS SHALL BE PERMANENTLY TAGGED TO INDICATE SYSTEM OR CIRCUIT NUMBER.
11. LOW VOLTAGE CONDUCTORS FOR HVAC AND OTHER SYSTEMS REQUIRING LOW VOLTAGE CONTROL SIGNALS SHALL BE SIZED IN ACCORDANCE WITH SPECIFIC SYSTEM REQUIREMENTS.
12. CONDUCTORS FOR SPECIAL SYSTEMS (DATA, FIRE ALARM, SIGNAL, TELEPHONE, ETC.) SHALL MEET THE SYSTEM SPECIFICATIONS AND CODE REQUIREMENTS GOVERNING THE PARTICULAR SYSTEM INSTALLATION.

DEVICES:

1. SNAP SWITCHES SHALL BE SPECIFICATION GRADE, TOTALLY ENCLOSED TOGGLE TYPE, RATED AT 20 AMPS WITH 120 VAC RATING FOR FULL CAPACITY. MFRS: EATON/COOPER/GREENGATE, HUBBELL, LEVITON, LUTRON, PASS & SEYMOUR.
2. RECEPTACLES SHALL BE SPECIFICATION GRADE, GROUNDED TYPE, TOTALLY ENCLOSED, RATED AT 20 AMPS 120 VAC. MFRS: EATON/COOPER/GREENGATE, HUBBELL, LEVITON, LUTRON, PASS & SEYMOUR.
3. DEVICE AND DEVICE PLATE COLORS SHALL BE COORDINATED WITH THE PROJECT MANAGER AND ARCHITECT PRIOR TO INSTALLATION.
4. GFCI RECEPTACLES SHALL BE PROVIDED AT LOCATIONS INDICATED ON THE DRAWINGS AND IN ACCORDANCE WITH CEC ARTICLE 210.
5. THE STYLE OF SWITCHES SHALL BE: SHALL BE A "DECORATOR STYLE" (DECORA FOR EXAMPLE) AS MANUFACTURED BY MFRS: EATON/COOPER/GREENGATE, HUBBELL, LEVITON, LUTRON, PASS & SEYMOUR.

DEVICE PLATES:

1. DEVICE PLATES IN BREAK ROOMS, MECHANICAL AND ELECTRICAL ROOMS, STORAGE ROOMS, AND SIMILAR UTILITY ROOMS SHALL BE STAINLESS STEEL.

LIGHTING:

1. THE LIGHTING FIXTURES ARE SPECIFIED WITH A GENERIC MOUNTING FORMAT. THE EC IS RESPONSIBLE TO VERIFY AND PROVIDE ALL HANGERS, CLIPS, AND NECESSARY HARDWARE TO INSTALL FIXTURES AT THE LOCATION INDICATED ON THE ARCHITECTURAL AND ELECTRICAL DRAWINGS.
2. VERIFY THE FIXTURE VOLTAGE PRIOR TO SUBMITTING SHOP DRAWINGS.
3. VERIFY THE COLOR TEMPERATURE OF ALL LAMPS AND LEDS PRIOR TO ORDERING AND INSTALLATION OF LAMPS. SEE FIXTURE SCHEDULE.
6. VERIFY THE MOUNTING LOCATIONS FOR ALL EXIT SIGNS PRIOR TO INSTALLATION WITH THE PROJECT MANAGER AND ARCHITECT.
8. ALL LIGHTING AND SWITCHING SHALL BE IN COMPLIANCE WITH 2013 TITLE 24 ENERGY CODE.
9. ALL EMERGENCY LIGHTING AND EXIT LIGHTING SHALL BE CONNECTED TO THE UNSWITCHED SIDE OF THE LOCAL LIGHTING CIRCUIT OR SHALL BE CIRCUITED WITH AN ADDITIONAL UNSWITCHED HOT CONDUCTOR.
10. ALL LIGHTING CIRCUITS SHALL HAVE A SEPARATE INSULATED GROUNDING CONDUCTOR INSTALLED WITHIN EACH CIRCUIT.
11. OCCUPANCY SENSORS: SEE OCCUPANCY SENSOR SCHEDULE.
12. DIMMING CONTROLS: SEE FIXTURE SCHEDULE.

EQUIPMENT IDENTIFICATION:

1. THE FOLLOWING EQUIPMENT AND DEVICES SHALL BE EQUIPPED WITH NAMEPLATES: PANEL AV.
2. EQUIPMENT AND DEVICES SHALL BE PROPERLY IDENTIFIED AS DESIGNATED ON THE ELECTRICAL DRAWINGS. NAMEPLATES SHALL INCLUDE THE PANEL DESIGNATION, VOLTAGE AND PHASE OF THE SUPPLY.
3. NAMEPLATES SHALL BE ENGRAVED 3 PLY WITH BLACK FACE AND WHITE CORE, PERMANENTLY ATTACHED TO THE EQUIPMENT WITH STAINLESS STEEL LOCKING SCREWS.



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COMMUNITY ROOM AV BOOTH

RM Public Library
71-100 Highway III
Rancho Mirage, CA

for

City of Rancho Mirage
Rancho Mirage, CA
CP 16-326

MICHAEL T. McAULIFFE, AIA C-27929

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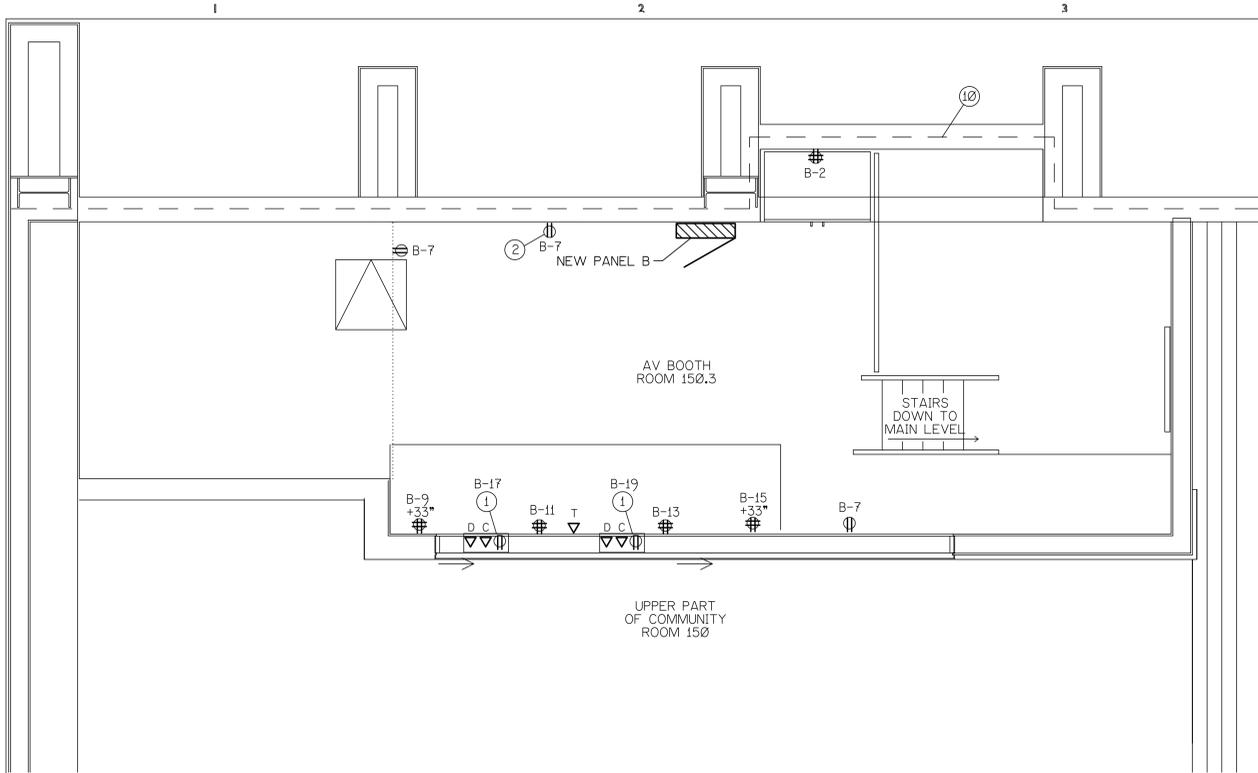
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DRAWING DATE:		08-22-2016
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ISSUE DATES:		
PLANNING SUBMITTAL SET <input type="checkbox"/>	DRAWN BY:	
DESIGN DEVELOPMENT SET <input type="checkbox"/>	CHECKED BY:	
PLANCHICK <input type="checkbox"/>		
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CONSTRUCTION SET <input type="checkbox"/>	15-006	

SHEET TITLE:
SPECIFICATIONS

SHEET NUMBER:

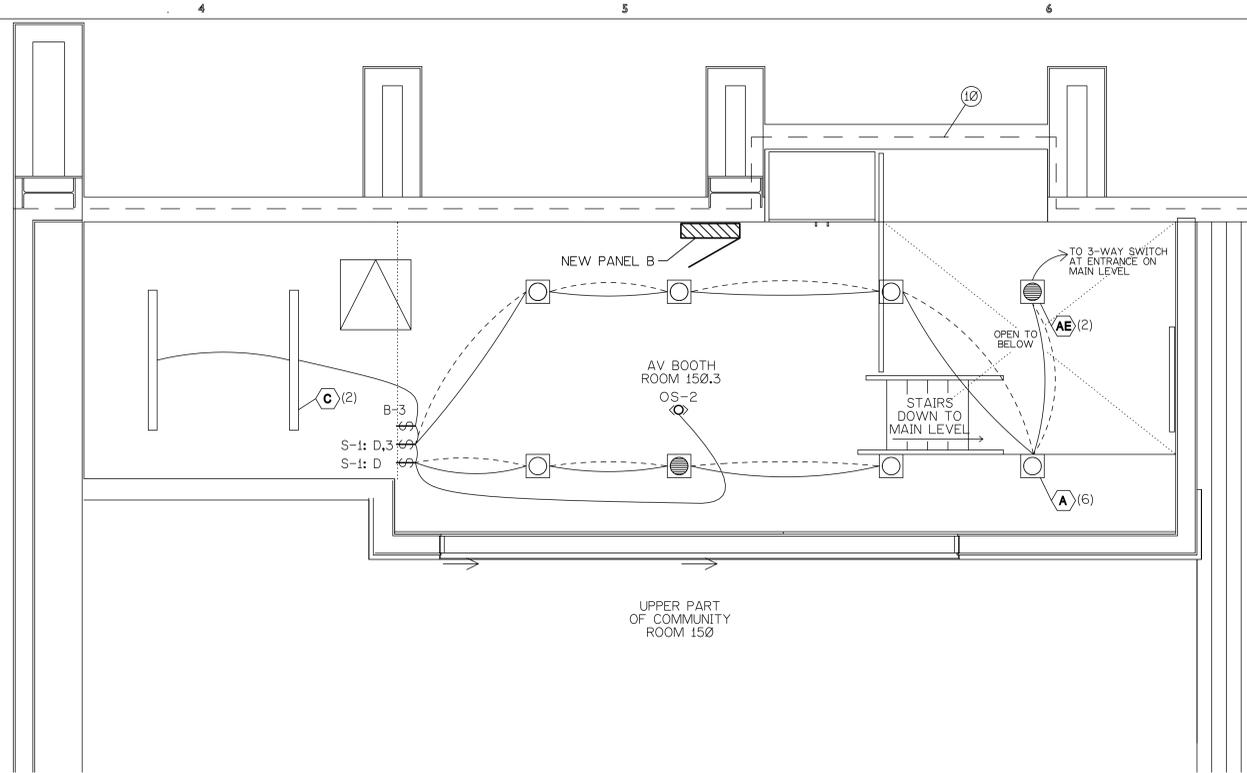
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MEZZANINE POWER PLAN

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

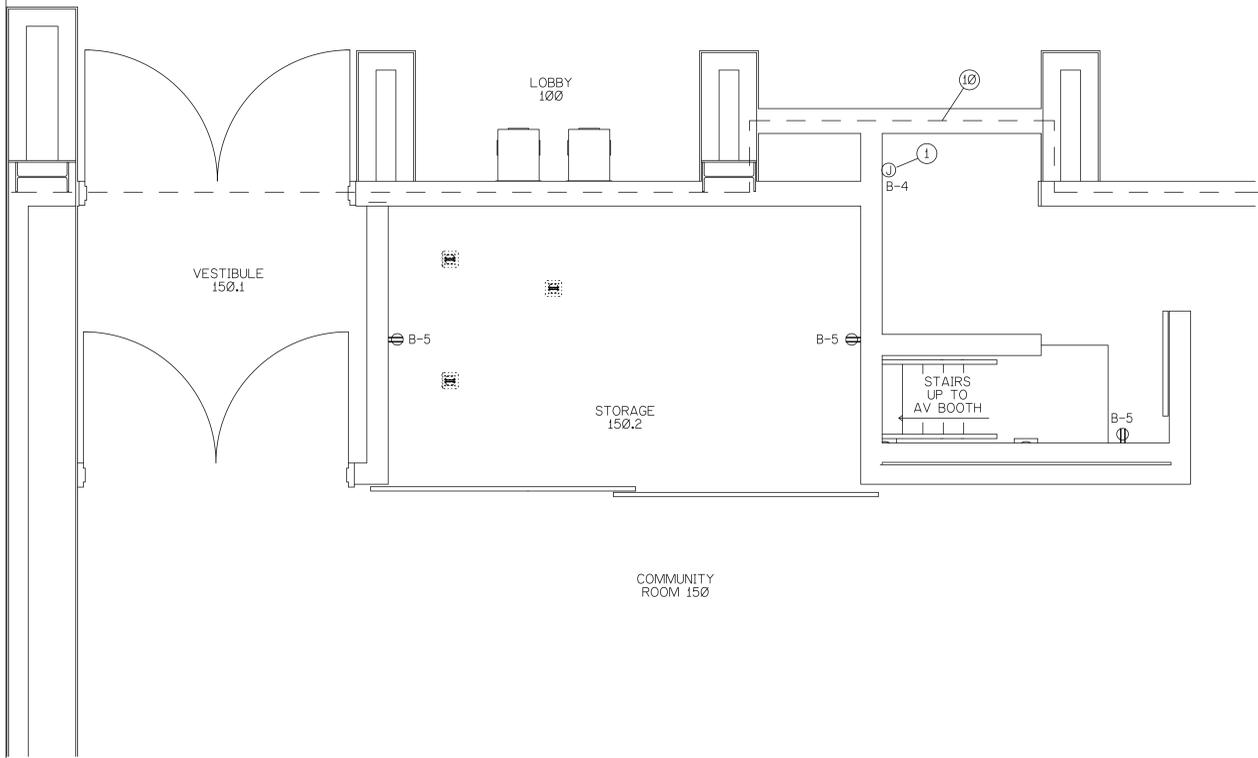
- ① CLOCK OUTLET WITH DATA AND CCTV OUTLETS AND CABLING BY OWNER.
- ② PROVIDE SURFACE MOUNTED RACEWAY AND RECEPTACLE OUTLET AT THIS LOCATION.
- ⑩ EXISTING 2 HOUR FIRE-RESISTANCE RATED ASSEMBLY - MINIMIZE PENETRATIONS. WHERE PENETRATIONS ARE REQUIRED, FIRE SAFE TO MAINTAIN RATING.



MEZZANINE LIGHTING PLAN

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

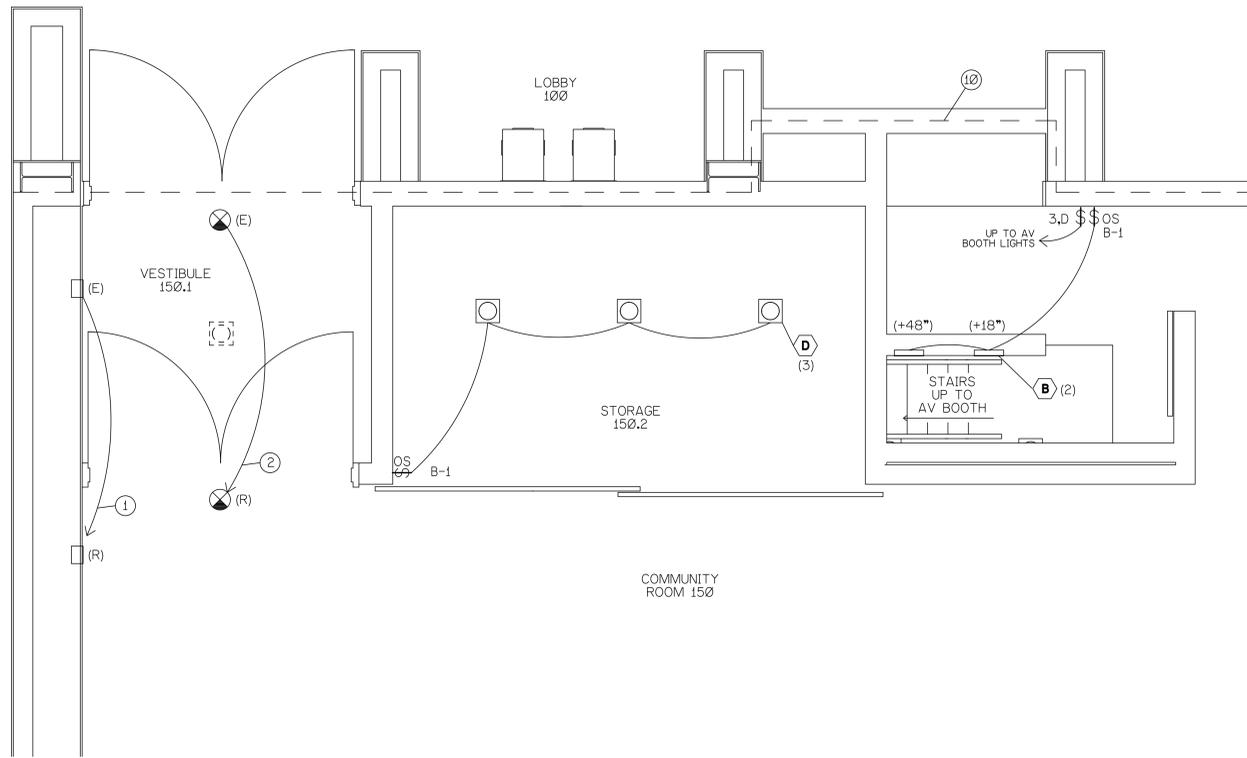
- ⑩ EXISTING 2 HOUR FIRE-RESISTANCE RATED ASSEMBLY - MINIMIZE PENETRATIONS. WHERE PENETRATIONS ARE REQUIRED, FIRE SAFE TO MAINTAIN RATING.



POWER PLAN (MAIN LEVEL - STORAGE)

SCALE: 1/3"=1'-0"

- ① PROVIDE FLUSH MOUNT JUNCTION BOX FOR FUTURE ADA PLATFORM LIFT. 15 A DEDICATED CIRCUIT.
- ⑩ EXISTING 2 HOUR FIRE-RESISTANCE RATED ASSEMBLY - MINIMIZE PENETRATIONS. WHERE PENETRATIONS ARE REQUIRED, FIRE SAFE TO MAINTAIN RATING.



LIGHTING PLAN (MAIN LEVEL - STORAGE)

SCALE: 1/2"=1'-0"

- ① RELOCATE EXISTING LIGHTING CONTROL STATION TO NEW LOCATION.
- ② RELOCATE EXISTING EXIT SIGN TO NEW LOCATION.
- ⑩ EXISTING 2 HOUR FIRE-RESISTANCE RATED ASSEMBLY - MINIMIZE PENETRATIONS. WHERE PENETRATIONS ARE REQUIRED, FIRE SAFE TO MAINTAIN RATING.



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BID SET	McA PROJECT NO:
CONSTRUCTION SET	15-006

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SHEET NUMBER:
E2

