

GENERAL CONSTRUCTION NOTES

- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION.
- CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND ALLOW FOR ALL FIELD CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL OBTAIN INFORMATION AND BE FAMILIAR WITH ALL OTHER TRADES WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN OTHER TRADES ON PROJECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY AND PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.
- CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL AT THE CONCLUSION OF THE PROJECT PROVIDE ACCURATE "AS-BUILT" DRAWINGS ACCEPTABLE TO THE ARCHITECT.
- ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
- CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.
- CONTRACTOR SHALL PROVIDE ALL REQUIRED "CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS" NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT START OF WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECT'S PAINTING SECTION FOR REQUIREMENTS.
- ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, CAULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS.
- ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM: TWO (2) #12S WITH ONE (1) #12 GROUND. "TICK" MARKS SHOWN ON CIRCUITRY ARE FOR ROUGH ESTIMATING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE.
- ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARED NEUTRALS ON MULTIWIRED CIRCUITS IS NOT ALLOWED.
- ALL 120/277V LIGHT SWITCHES AND WALL OCCUPANT SENSORS SHALL HAVE A NEUTRAL INSTALLED TO THE DEVICE BOX EXCEPT WHERE A CONDUIT OR SURFACE RACEWAY SYSTEM IS INSTALLED.
- COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS.
- SEE ARCHITECTURAL DOCUMENTS FOR EXACT PLACEMENT OF LIGHTING FIXTURES AND DEVICES. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF CEILING TYPES FROM ARCHITECTURAL DOCUMENTS AND PROVIDE AND INSTALL ALL REQUIRED FIXTURE MOUNTING HARDWARE. PROVIDE AND INSTALL U.L. LISTED FIRE STOP ENCLOSURES FOR ALL RECESSED FIXTURES IN FIRE RATED CEILINGS.
- FROM ALL NEW FLUSH MOUNT PANELS: THE CONTRACTOR SHALL STUB UP INTO ACCESSIBLE CEILING SPACE A MINIMUM OF FOUR (4) 3/4" CONDUITS FOR FUTURE USE.
- CONTRACTOR SHALL PROVIDE IN EVERY NEW EMPTY CONDUIT A DRAW STRING FOR USE IN FUTURE CONSTRUCTION.
- ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. CUT AND PATCH EXISTING WALLS WHERE NECESSARY. WHERE IT IS NECESSARY TO CUT OR BORE EXISTING STRUCTURAL WALLS FOR NEW ELECTRICAL WORK OBTAIN PERMISSION FROM THE ARCHITECT PRIOR TO STARTING WORK. REUSE EXISTING CONDUIT WHERE POSSIBLE.
- WHERE IT IS NOT POSSIBLE TO REUSE EXISTING CONDUIT OR RUN NEW CONCEALED CONDUIT USE NON-METALLIC SURFACE RACEWAY AND BOXES. ROUTING OF ALL NON-METALLIC RACEWAYS SHALL BE APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
- EXTENSION RINGS OR RESET BOXES TO BE FLUSH WITH NEW WALL THICKNESS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO EXISTING UNDERGROUND SYSTEMS (GAS, WATER, TELEPHONE, ELECTRICAL, SEWER, ETC.). THE CONTRACTOR SHALL REPAIR & PAY ALL EXPENSES FOR DAMAGE TO EXISTING UNDERGROUND SYSTEMS AS A RESULT OF NEW WORK. REPAIR TO DAMAGED UNDERGROUND SYSTEMS SHALL BE TO THE OWNERS SATISFACTION WITHOUT EXTRA EXPENSE TO THE OWNER.
- EXISTING WIRING SHOWN HAS BEEN TAKEN FROM OLD PLANS AND IS ASSUMED TO BE CORRECT. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND MAKE ADJUSTMENTS TO SUIT ACTUAL CONDITIONS AND TO MEET THE INTENT OF THE CONTRACT DOCUMENTS.
- WHERE NON-METALLIC SHEATHED CONDUCTORS ARE FOUND, THE CONTRACTOR SHALL REMOVE TO FULLEST EXTENT PER THE GENERAL DEMOLITION NOTES AND REPLACE WITH CONDUIT. METAL CLAD CABLE WILL BE PERMITTED ON A CASE-BY-CASE BASIS ONLY BY WRITTEN APPROVAL FROM THE ARCHITECT.
- ALL INSTALLATION OF EXPOSED SURFACE MOUNTED RACEWAY IN PUBLIC AREAS SHALL BE REVIEWED BY ARCHITECT BEFORE. ROUGH-IN, CONTRACTOR IS TO DETERMINE THE ACCESSIBILITY OF ATTIC, FURRED SPACE, HOLLOW MULLIONS, ETC. IN EACH AREA AND REVIEW WITH ARCHITECT. IF SYSTEM CAN BE ROUTED CONCEALED EITHER BY FISHING OR ACCESSIBILITY, CONTRACTOR IS TO DO SO. IF INACCESSIBILITY IS DETERMINED, CONTRACTOR SHALL INSTALL SURFACE MOUNTED RACEWAY IN THE MOST AESTHETICALLY PLEASING MEANS AS DETERMINED BY THE ARCHITECT. NO ALLOWANCE FOR ADDITIONAL COMPENSATION DUE TO ROUTING AS DIRECTED BY THE ARCHITECT WILL BE MADE.
- UNLESS SPECIFICALLY SHOWN ON THESE DRAWINGS, NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED NOR NOTCHED WITHOUT PRIOR AUTHORIZATION IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD AND DSA.
- CONTRACTOR SHALL COORDINATE PLANS AND SPECIFICATIONS FOR ALL OTHER DISCIPLINES FOR ADDITIONAL SCOPE OF WORK THAT MAY NOT BE SHOWN HERE. COORDINATE WITH GENERAL CONTRACTOR TO CONFIRM ENTIRE SCOPE OF WORK HAS BEEN INCLUDED."



ELECTRICAL SYMBOLS & ABBREVIATIONS

SYMBOLS & ABBREVIATIONS SHOWN ARE FOR GENERAL USE. DISREGARD THOSE WHICH DO NOT APPEAR ON THE PLANS.



FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE
EMERGENCY OR NIGHT LIGHT



STRIP FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE
LUMINAIRE - RECESSED - SEE SCHEDULE



RECESSED WALL WASHER



LUMINAIRE - SURFACE MOUNTED - SEE SCHEDULE
LUMINAIRE - POLE OR POST MOUNTED - SEE SCHEDULE



LUMINAIRE - WALL MOUNTED SEE SCHEDULE
BOLLARD OR PATH LIGHT - SEE SCHEDULE



EXIT LIGHT - DIRECTIONAL ARROWS AS INDICATED - SEE SCHEDULE
TRACK LIGHTING - SEE SCHEDULE



EMERGENCY LIGHT
DIGITAL DUAL TECHNOLOGY OCC. SENSOR



LIGHTING CONTROL OCCUPANCY SENSOR CORNER MOUNTED
DIMMER ROOM CONTROLLER



PLUG LOAD CONTROLLER



ROOM LIGHTING CONTROLLER



LIGHTING CONTROL PANEL



DIGITAL DAYLIGHT SENSOR



SINGLE POLE SWITCH **
SINGLE POLE SWITCH, **
a = CIRCUIT CONTROLLED



THREE WAY SWITCH **



FOUR WAY SWITCH **



MANUAL MOTOR STARTER



KEY OPERATED SWITCH **



LIGHTING DIMMER **



DIGITAL ON/OFF SWITCH **



DIGITAL DIMMER SWITCH **



DIGITAL MULTI SCENE LIGHTING SWITCH **



DIGITAL DUAL TECHNOLOGY WALL OCC. SENSOR **



WALL OCCUPANCY SENSOR **



DOUBLE SWITCHED WALL OCCUPANCY SENSOR **



DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **



2-BUTTON DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **



SECURITY DOOR CONTACTS



SECURITY MOTION DETECTOR



CCTV CAMERA



SECURITY SYSTEM KEYPAD



DOOR BELL PUSHBUTTON



DOOR CHIME WITH LED



RECEPTACLE - DUPLEX *



DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT



GFCI CONVENIENCE RECEPTACLE - DUPLEX *



GFCI CONVENIENCE DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT



RECEPTACLE DOUBLE DUPLEX *



HALF SWITCHED DUPLEX RECEPTACLE *



SINGLE RECEPTACLE *



DUPLEX RECEPTACLE - CEILING MOUNTED



LETTER INDICATES DUPLEX HALF CONTROLLED RECEPTACLE *



LETTER INDICATES DUPLEX FULLY CONTROLLED RECEPTACLE *



FLOOR MOUNTED DUPLEX RECEPTACLE



FLOOR MOUNTED BOX
POWER OUTLET - SEE PLANS FOR NEMA TYPE *



VOICE/DATA WALL OUTLET *



VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT



SURFACE MOUNTED VOICE/DATA WALL OUTLET *



SURFACE MOUNTED VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT



WIRELESS ACCESS POINT (WAP) - CEILING MOUNTED



WIRELESS ACCESS POINT (WAP) - WALL MOUNTED - FIELD VERIFY HEIGHT



VOICE/DATA OUTLET - FLOOR MOUNTED



TV OUTLET *



VOICE/DATA OUTLET - CEILING MOUNTED



INTERIOR SPEAKERS CEILING MOUNTED



INTERIOR SPEAKERS WALL MOUNTED



CLOCK *8-0" AFF U.O.N. VERIFY BEFORE INSTALLATION



PANELBOARD - FLUSH MOUNTED



EQUIPMENT PANEL - FLUSH MOUNTED



PANELBOARD - SURFACE MOUNTED
EQUIPMENT PANEL - SURFACE MOUNTED



METER W/ CURRENT TRANSFORMER



JUNCTION BOX - CEILING OR WALL MOUNTED, SIZE PER CODE, TAPE AND TAG WIRES



MOTOR CONNECTION



NON-FUSED DISCONNECT SWITCH



FUSED DISCONNECT SWITCH: FUSED WITH DUAL-ELEMENT FUSES SIZED PER EQUIPMENT MFG'S NAMEPLATE DATA



COMBINATION STARTER/FUSED DISCONNECT SWITCH: FUSED DISCONNECT SWITCH ELEMENT FUSES SIZED PER EQUIPMENT MFG'S NAMEPLATE DATA



MAGNETIC STARTER - NEMA SIZE INDICATED



NEMA 3R ENCLOSURE UNLESS OTHERWISE SPECIFIED



CIRCUIT BREAKER



GROUND ROD WITH GROUNDWELL BOX



GROUND ELECTRODE



NORMALLY OPEN CONTACT



NORMALLY CLOSED CONTACT



TRANSFORMER - SEE SINGLE LINE FOR SIZE



PULLBOX



FLEX CONDUIT WITH CONNECTION



CONDUIT - UP



CONDUIT - DOWN



CONDUIT EMERGENCY SYSTEM



LOW VOLTAGE WIRING



SURFACE METAL OR NON-METALLIC RACEWAY



CONDUIT - CONCEALED IN WALLS OR CEILING



CONDUIT - EXISTING



CONDUIT - BELOW SLAB OR UNDERGROUND: 3/4" MIN.



CAPPED OR STUB-OUT CONDUIT



CONDUIT CONTINUATION



CONDUIT - HOME RUN TO PANEL, TERMINAL CABINET, ETC. RUNS MARKED WITH CROSSHATCHES INDICATE NUMBER OF #12 AWG WIRES WHEN MORE THAN TWO. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE. CROSS HATCHES WITH NUMBER ADJACENT INDICATES WIRE SIZE OTHER THAN #12 AWG.



SHEET NOTE REFERENCE SYMBOL: SEE ASSOCIATED NOTE ON SAME SHEET



SCHEDULE SYMBOL: SEE ASSOCIATED NOTE ON SAME SHEET



DETAIL NOTE REFERENCE SYMBOL: SEE ASSOCIATED NOTE ON SAME DETAIL



FEEDER DESIGNATION: SEE ASSOCIATED NOTE ON SAME DETAIL

ABBREVIATIONS

A	AMPERE	GFCI	GROUND FAULT	NTS	NOT TO SCALE
AFF	ABOVE FINISHED FLOOR	GFI	INTERRUPTING	OAH	OVERALL HEIGHT
ALUMIAL	ALUMINIAL	GND, G	GROUND	OC	ON CENTER
ARCH	ARCHITECT	GRS	GALVANIZED RIGID	OH	OVERHEAD
AWG	AMERICAN WIRE	HT	STEEL	PA	PUBLIC ADDRESS
BKR	BREAKER	IC	INTERCOM	PB	PULL BOX
CB	CIRCUIT BREAKER	IDF	INTERMEDIATE DISTRIBUTION FRAME	PH	POWER FACTOR PHASE
CATV	CABLE TV	INCAND	INCANDESCENT	PIR	PASSIVE INFRARED
CB	CIRCUIT BREAKER	JB	JUNCTION BOX	PNL	PANEL
CCTV	CIRCUIT	JV	KILOVOLT	PV	PHOTOVOLTAIC
CKT	CIRCUIT	KVA	KILOVOLT AMPERES	PVC	POLYVINYL CHLORIDE
CLG	CEILING	KW	KILOWATT	PWR	POWER
CL	CONDUIT ONLY	LCP	LIGHTING CONTROL	(R)	RELOCATED
C/O	CENTER	LTG	LIGHTING	(RP)	REMOVABLE POLE
D	DIMMER	LV	LOW VOLTAGE	RECPT'S	RECEPTACLES
DIM	DIMENSION	LVC	LOW VOLTAGE CIRCUIT MILS	REQD	REQUIRED
DIST	DISTRIBUTION	KCM	THOUSAND CIRCULAR MILS	REQMT'S	REQUIREMENT(S)
(E)	EXISTING	M.B.	MAIN CIRCUIT BREAKER	SHT	SHEET
EC	ELECTRICAL CONTRACTOR	MCA	MINIMUM CIRCUIT BREAKER	SLD	SINGLE LINE DIAGRAM
(EL)	EVENING LIGHT	MCA	MINIMUM CIRCUIT BREAKER	STC	SYSTEMS TERMINATION
EM	EMERGENCY	MDF	MECHANICAL DISTRIBUTION FRAME	SW	SWITCH
EMT	ELECTRICAL METALLIC TUBING	MECH	MECHANICAL	SWBD	SWITCHBOARD
EQUIP	EQUIPMENT	MH	METAL HALIDE	TTB	TELEPHONE TERMINAL
EV	ELECTRICAL VEHICLE	MLO	MAIN LUGS ONLY		BACKBOARD
FA	FIRE ALARM	MPOE	MAIN POINT OF ENTRANCE	TYP	TYPICAL
FACP	FIRE ALARM CONTROL PANEL	MTD	MOUNTED	UN	UNLESS OTHERWISE NOTED
FC	FOOT CANDLE	MTG	MOUNTING	UG	UNDERGROUND
FIN	FINISH	MOCP	MAXIMUM OVER CURRENT PROTECTION	V	VOLT
FL	FLOOR	(N)	NEW	VD	VOLTAGE DROP
FLA	FULL LOAD AMPS	NIC	NOT IN CONTRACT	W	WATT
FLUOR	FLUORESCENT	NIEC	NOT IN ELECTRICAL CONTRACT	WP	WEATHERPROOF
(F)	FUTURE	(NL)	NIGHT LIGHT	XFMR	TRANSFORMER
GC	GENERAL CONTRACTOR	NOM	NOMINAL		

FIRE ALARM

NOTE: SEE FIRE ALARM DRAWINGS FOR QUANTITIES AND MOUNTING HEIGHTS.



MANUAL PULL STATION



STROBE ONLY



HORN ONLY



MINI HORN



HORN/STROBE



CHIME/STROBE



HEAT DETECTOR



SMOKE DETECTOR



CARBON MONOXIDE ALARM



DUCT SMOKE DETECTOR



TAMPER SWITCH



SHEET NOTES

1. PROVIDE & INSTALL 12" SQ. x 4" DEEP PULLCAN AT ACCESSIBLE CEILING SPACE.
2. INTERCEPT EXISTING BRANCH CIRCUITS PRESERVED DURING DEMOLITION WORK WITH NEW PULLCAN AT ACCESSIBLE CEILING SPACE.
3. IN PULLCAN, SPLICE & EXTEND EXISTING BRANCH CIRCUITS VIA (5) ½" C. WITH #10 AWG TO PANEL 'A'. CONTRACTOR SHALL ASSUME (15) EXISTING BRANCH CIRCUITS TO BE EXTENDED AND RE-TERMINATED AT PANEL.
4. FOR PROJECTOR; 120V.
5. FOR TV/SCREEN; 120V. FIELD VERIFY LOCATION AND MOUNTING HEIGHT WITH ARCHITECT/DISTRICT PRIOR TO ROUGH-IN.
6. FOR AV; 120V. FIELD VERIFY LOCATION AND MOUNTING HEIGHT WITH ARCHITECT/DISTRICT PRIOR TO ROUGH-IN.
7. FIELD VERIFY LOCATION WITH ARCHITECT/DISTRICT PRIOR TO ROUGH-IN.
8. FOR DRINKING FOUNTAIN; 6A, 120V.
9. PROVIDE & INSTALL FEEDER FROM PANEL 'A' TO PANEL 'A1'. SEE ELECTRICAL SINGLE LINE DIAGRAM 1/E1.1 FOR FEEDER SIZE AND REQUIREMENTS.
10. PROVIDE & INSTALL FEEDER FROM PANEL 'A' TO EXISTING MAIN SWITCHBOARD 'MSB'. SEE ELECTRICAL SINGLE LINE DIAGRAM 1/E1.1 FOR FEEDER SIZE AND REQUIREMENTS.
11. CUT & PATCH EXISTING CONCRETE SLAB FOR INSTALLATION OF UNDERGROUND CONDUITS.
12. FOR VAV; 120V.
13. PROVIDE & INSTALL FEEDER FROM EXISTING PANEL 'L1' TO EXISTING MAIN SWITCHBOARD 'MSB'. SEE ELECTRICAL SINGLE LINE DIAGRAM 1/E1.1 FOR FEEDER SIZE AND REQUIREMENTS.
14. PROVIDE & INSTALL FEEDER FROM EXISTING PANEL 'X' TO EXISTING HOUSE METER. SEE ELECTRICAL SINGLE LINE DIAGRAM 1/E1.1 FOR FEEDER SIZE AND REQUIREMENTS.
15. PROVIDE & INSTALL FEEDERS FROM EXISTING MAIN SWITCHBOARD 'MSB' TO EXISTING ELEVATOR & EXISTING A/C UNIT LOCATED ON ROOF. SEE ELECTRICAL SINGLE LINE DIAGRAM 1/E1.1 FOR FEEDER SIZE AND REQUIREMENTS.
16. PROVIDE & INSTALL NEW COVER PLATES TO EXISTING RECEPTACLES/DEVICES NOT IMPACTED BY DEMOLITION WORK. NEW COVER PLATES SHALL BE COLOR WHITE. COORDINATE WITH ARCHITECT FOR COVER PLATES FINISH REQUIREMENTS.
17. CONTRACTOR SHALL VERIFY EXISTING LAMPING OF OUTDOOR LIGHT FIXTURES (FIELD VERIFY QUANTITY, ASSUME MINIMUM 6 LIGHT FIXTURES) AND REPLACE EXISTING LAMPS WITH NEW.

BRANCH CIRCUIT CONDUCTOR SIZING TABLE

CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	REQUIREMENT
20/120	56'-90'	½" C., 2 #10 & 1 #10 GND.
20/120	91'-140'	½" C., 2 #8 & 1 #10 GND.
20/277	131'-205'	½" C., 2 #10 & 1 #10 GND.
20/277	206'-330'	½" C., 2 #8 & 1 #10 GND.

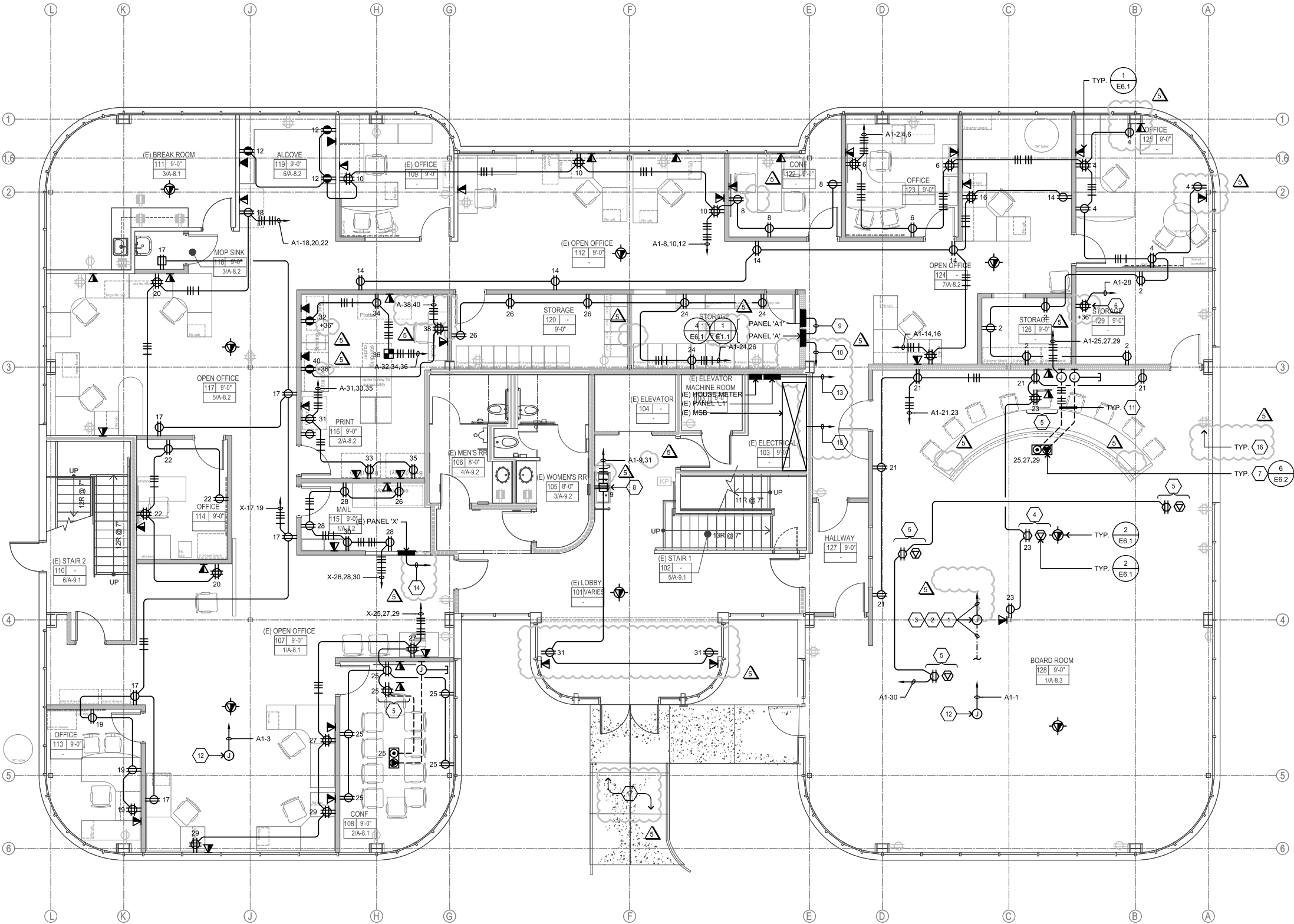
NOTE:
CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.

LEGEND

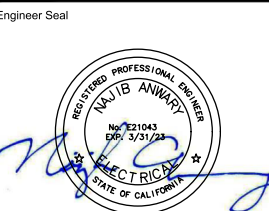
- EXISTING DUPLEX RECEPTACLE
- EXISTING DOUBLE DUPLEX RECEPTACLE

GENERAL NOTES:

- WHERE GFCI RECEPTACLES ARE INSTALLED THE GROUND-FAULT CIRCUIT-INTERRUPTER SHALL BE INSTALLED READILY ACCESSIBLE LOCATION.
- SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH ARCHITECT FOR EXACT REQUIREMENTS.
- COORDINATE WITH MECHANICAL PLANS FOR EXACT LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT.
- IN CONFERENCE ROOMS, THE OCCUPANCY SENSOR/LIGHTING CONTROL SYSTEM SHALL BE CAPABLE OF TRIGGERING THE HVAC WITHOUT FULLY TRIGGERING THE LIGHTING LOAD. PROVIDE & INSTALL LRLM-100. SEE 6/E6.3 FOR REQUIREMENTS.
- SECURITY SYSTEM SCOPE IS DONE BY OTHERS.



1 POWER & SYSTEMS PLAN - FIRST FLOOR
SCALE: 3/16"=1'-0"



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Architect Seal

Project Title

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981 RIDDER PARK DR
SAN JOSE, CA 95131

Client

BERRYESSA UNION SCHOOL DISTRICT
1376 PIEDMONT RD.
SAN JOSE, CA 95132

Drawing Title

POWER & SYSTEMS PLAN - FIRST FLOOR

Project No. 2203 Date July 19, 2022

Drawing Number

CD E4.1



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Drawing Title

POWER & SYSTEMS PLAN - SECOND FLOOR

Project No.
2203

Date
July 19, 2022

CD

Drawing Number
E4.2

SHEET NOTES

- FOR TV/SCREEN, FIELD VERIFY LOCATION AND MOUNTING HEIGHT WITH ARCHITECT/DISTRICT PRIOR TO ROUGH-IN.
- FIELD VERIFY LOCATION WITH ARCHITECT/DISTRICT PRIOR TO ROUGH-IN.
- FOR HOOD; 1A, 120V.
- FOR ELECTRIC STOVE; 7.9KW, 208V, 1Ø. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
- FOR STACK MICROWAVES, 120V.
- ¾" C., 2 #6 & 1 #10 GND.
- FOR VAV; 120V.
- CUT & PATCH EXISTING CONCRETE SLAB FOR INSTALLATION OF UNDERGROUND CONDUITS.
- PROVIDE & INSTALL FEEDER FROM PANEL 'A' TO PANEL 'B1'. SEE ELECTRICAL SINGLE LINE DIAGRAM 1/E1.1 FOR FEEDER SIZE AND REQUIREMENTS.
- IP RECESSED MOUNTED TWO WAY COMMUNICATION SYSTEM CALL BOX, MOUNT AT 48" TO TOP OF CALL BOX. RATH ELECTRONICS 2100 SERIES.
- ¾" C. TO RAF CONTROL PANEL LOCATED IN IT ROOM.
- PROVIDE & INSTALL TWO WAY COMMUNICATION, IP COMMAND CENTER AND DISTRIBUTION MODULE; RATH AREA OF REFUGE 2500 SERIES. VERIFY EXACT LOCATION WITH LOCAL AUTHORITY HAVING JURISDICTION (AHL).
- THE EMERGENCY COMMUNICATION HARDWARE SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA). THE IP CALL BOX SHALL HAVE THE ABILITY TO BE PROGRAMMED WITH UP TO 2 EMERGENCY PHONE NUMBERS (EITHER BOTH OFF-SITE OR BASE STATION AND OFF-SITE). UPON ACTIVATION OF THE EMERGENCY PUSH BUTTON, A CALL WILL BE AUTOMATICALLY PLACED TO THE IP COMMAND CENTER. THE IP CALL BOX MUST DIAL A SECONDARY LOCATION OUTSIDE THE BUILDING TO ACTIVATE TWO WAY OFF-SITE PERSON TO PERSON VOICE COMMUNICATIONS.
- PROVIDE & INSTALL FEEDER FROM PANEL 'A' TO PANEL 'B'. SEE ELECTRICAL SINGLE LINE DIAGRAM 1/E1.1 FOR FEEDER SIZE AND REQUIREMENTS.
- PROVIDE & INSTALL FEEDER FROM PANEL 'A' TO EXISTING MAIN SWITCHBOARD 'MSB'. SEE ELECTRICAL SINGLE LINE DIAGRAM 1/E1.1 FOR FEEDER SIZE AND REQUIREMENTS.
- PROVIDE & INSTALL NEW COVER PLATES TO EXISTING RECEPTACLES/DEVICES NOT IMPACTED BY DEMOLITION WORK. NEW COVER PLATES SHALL BE COLOR WHITE. COORDINATE WITH ARCHITECT FOR COVER PLATES FINISH REQUIREMENTS.
- FOR GARBAGE DISPOSAL; 120V.

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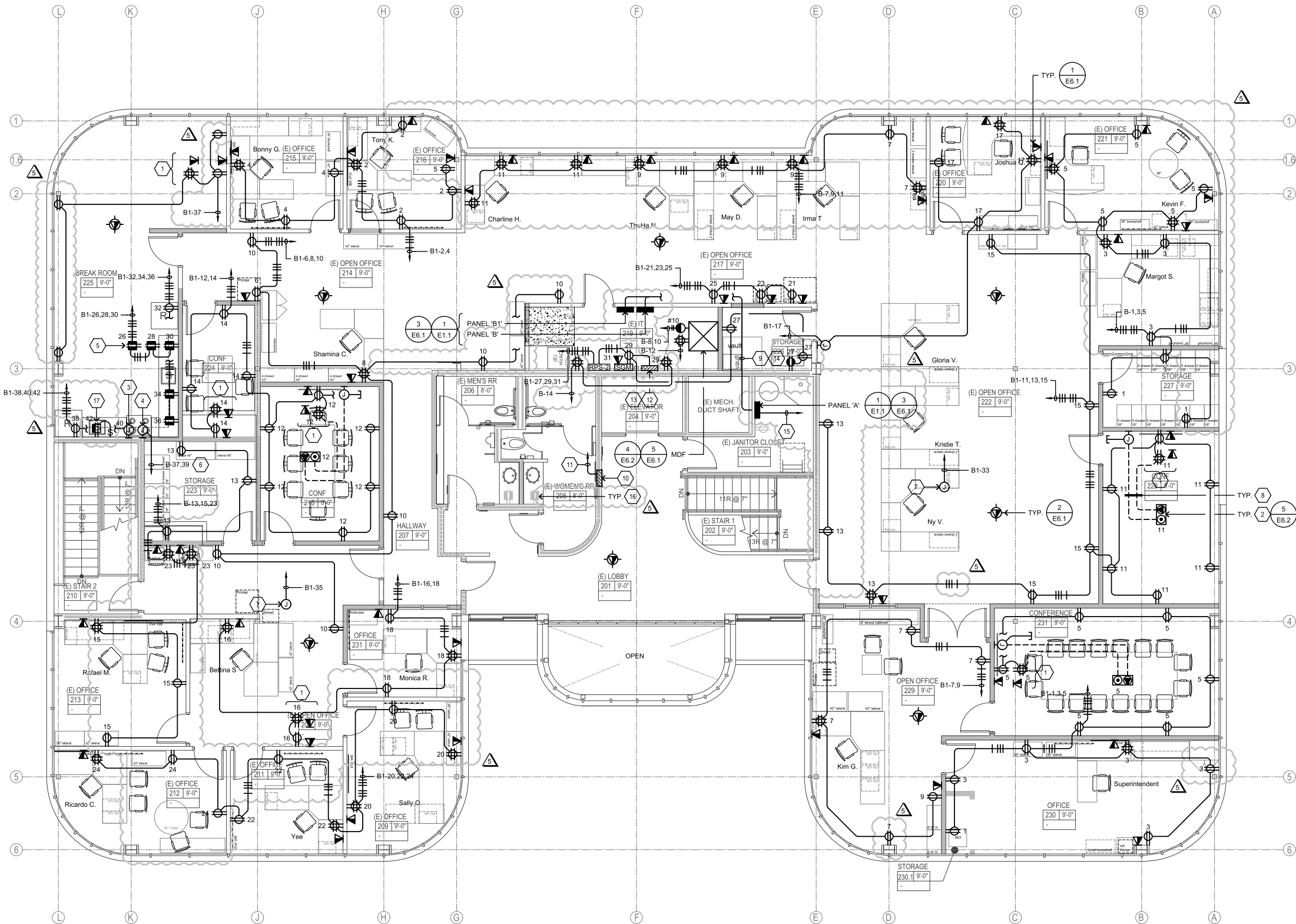
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LEGEND

- EXISTING DUPLEX RECEPTACLE
- EXISTING GFCI DUPLEX RECEPTACLE

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1 POWER & SYSTEMS PLAN - SECOND FLOOR

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

4' 0' 1' 2' 3' 4'



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Regulatory Agency Approval

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Client

BERRYESSA UNION SCHOOL DISTRICT
1376 PIEDMONT RD.
SAN JOSE, CA 95132

Drawing Title

ELECTRICAL DETAILS

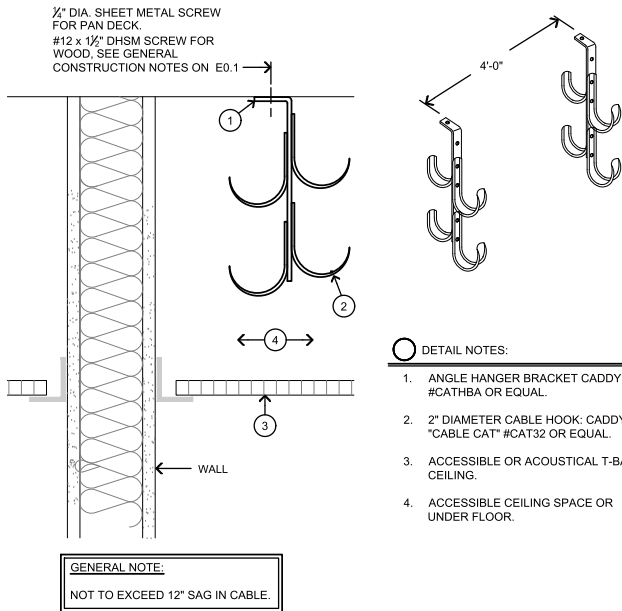
Project No.
2203

Date
July 19, 2022

CD

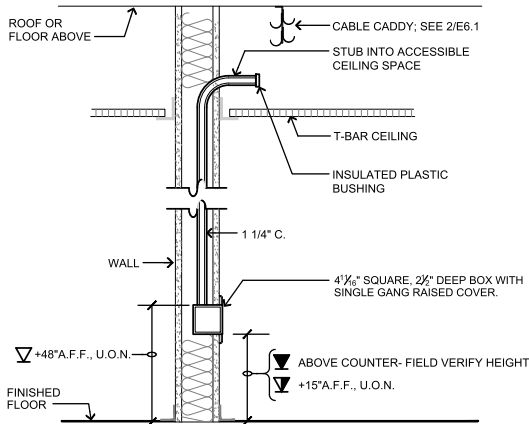
Drawing Number

E6.1



J-HOOK MOUNTING DETAIL

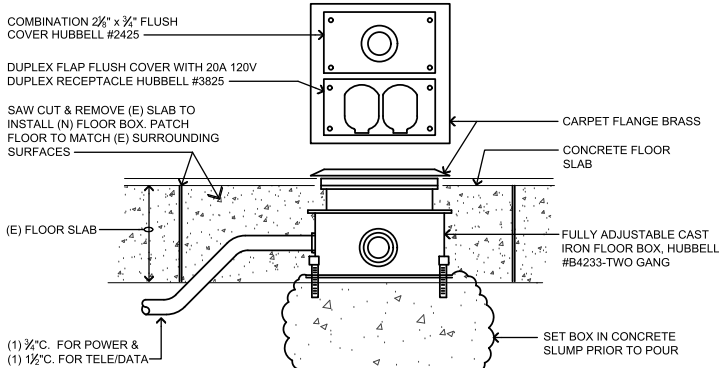
NO SCALE



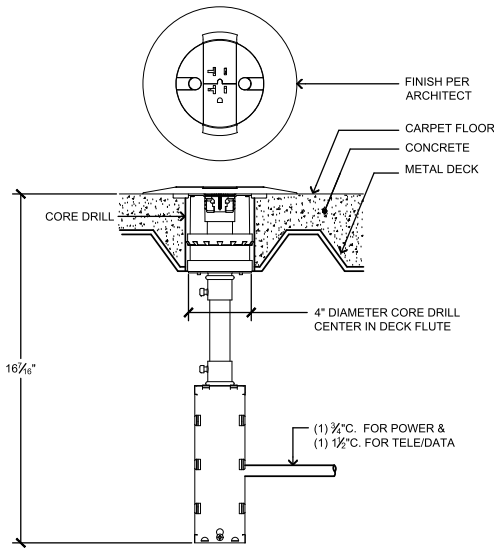
TELE/DATA OUTLET DETAIL

NO SCALE

G:\Projects\2022\Jobs\22-149.00 BUSD District Office Remodel\Drawg01\22-149E6.2.dwg 11/4/2022 10:29:14 AM

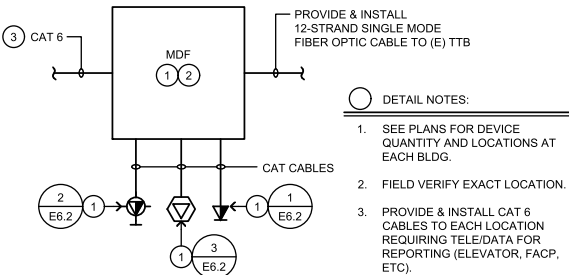


6 FLUSH FLOOR MOUNTED BOX
NO SCALE



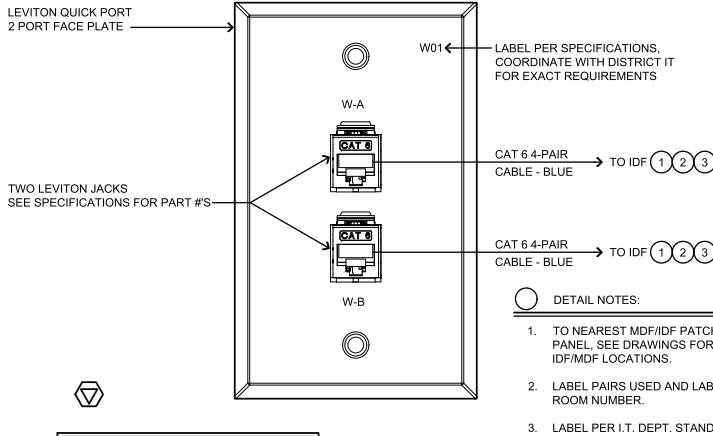
GENERAL NOTE:
PROVIDE & INSTALL (1) DOUBLE DUPLEX
RECEPTACLE AND (4) TELE/DATA DEVICE
MOUNTING PLATE PER FLOOR BOX.

5 WIREMOLD RC3 SERIES POKE-THRU
NO SCALE



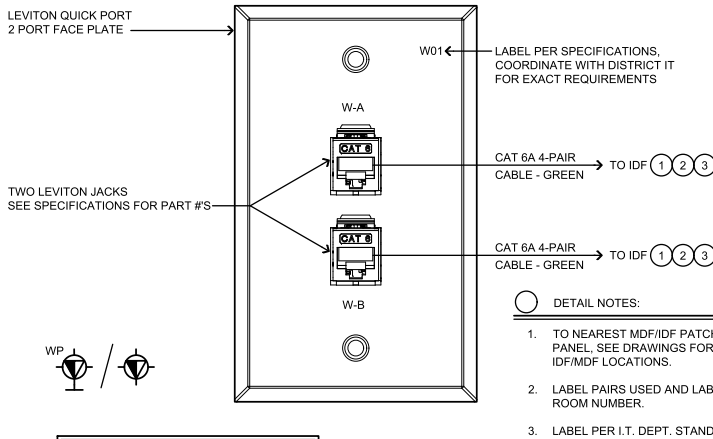
GENERAL NOTES:
A. U.O.N., ALL SHOWN IS NEW.
B. AT EACH LOCATION SHOWN ON POWER & SYSTEMS; PROVIDE COMPATIBLE FACE PLATE WITH DISTRICT STANDARDS.
C. WHERE CABLES ARE TO BE INSTALLED OUTSIDE OR UNDERGROUND; THEY SHALL BE RATED FOR SUCH USE.
D. PROVIDE & INSTALL NECESSARY PATCH PANELS AND ASSOCIATED MOUNTING HARDWARE FOR NEW CONNECTIONS.

4 TELE/DATA SYSTEM RISER DIAGRAM
NO SCALE



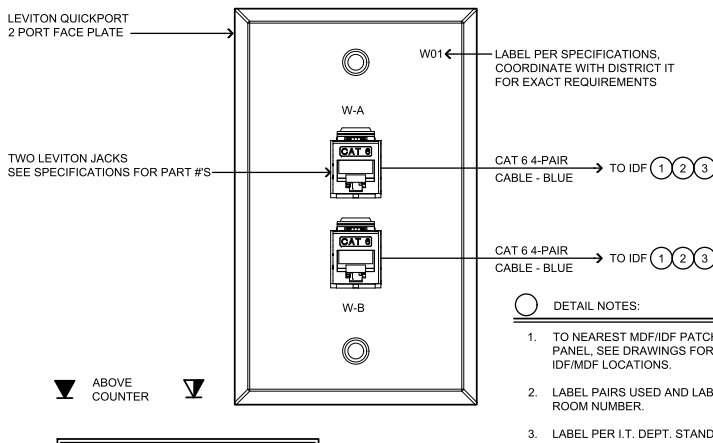
GENERAL NOTE:
SEE SPEC SECTION 271000 FOR PART #'S.

3 CEILING OUTLET
NO SCALE



GENERAL NOTE:
SEE SPEC SECTION 271000 FOR PART #'S.

2 WIRELESS OUTLET - OFCI
NO SCALE



GENERAL NOTE:
SEE SPEC SECTION 271000 FOR PART #'S.

1 WORKSTATION OUTLET - OFCI
NO SCALE

Regulatory Agency Approval

DSA: 01 -120361 / File: 43-7



Engineer Seal



AURUM CONSULTING
ENGINEERS
MONTEREY BAY, INC.

Project No. 22-149.00

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Architect Seal

Project Title

DISTRICT OFFICE TI

981 RIDDER PARK DR
SAN JOSE, CA 95131

Client

BERRYESSA UNION SCHOOL DISTRICT
1376 PIEDMONT RD.
SAN JOSE, CA 95132

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E6.2