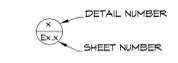


- LEGEND**
- ⊕ USB DUPLEX RECEPTACLE TYPE USB20X2
 - ⊕ DUPLEX RECEPTACLE (NEMA 5-20R) OR-DOUBLE DUPLEX, TAMPER RESISTANT, COMMERCIAL SPECIFICATION GRADE.
 - ⊕ 220 VOLT RECEPTACLE (NUMBER DENOTES AMPS)
 - ⊕ DUPLEX RECEPTACLE GROUND FAULT NEMA 5-20R, TAMPER RESISTANT, COMMERCIAL SPECIFICATION GRADE.
 - ⊕ DUPLEX RECEPTACLE GROUND FAULT TYPE GF362, MOUNTED WITH ROOF TOP HVAC UNIT DISCONNECT.
 - TV TELEVISION CABLE OUTLET VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH THE ARCHITECT AND AV CONSULTANT PRIOR TO ROUGH-IN. REQUIRES RECEPTACLE, ONE (1) 1" CONDUIT, AND 2 NETWORK CABLES IN SEPARATE 1" CONDUIT TO IDF ROOM. PROVIDE 3 GANG BACK BOX ARLINGTON #TVB5507 OR APPROVED EQUAL. PROVIDE FULLSTRINGS.
 - FB NIREMOLD TYPE #RFBAG30-05" FLOOR BOX WITH TWO DUPLEX RECEPTACLE AND TWO COMMUNICATION BRACKETS TO MATCH OWNER'S DATA EQUIPMENT. INSTALL ONE 1" CONDUIT FOR POWER AND ONE 1" CONDUIT FOR DATA. INCLUDE ONE BRASS COVER, TYPE 80T FLUSH COVER, AT EACH LOCATION. SET BOX HEIGHT WITH FLOOR TYPE. COVER IS TO BE FLUSH IN FLOOR. (FOR BARE/POLISHED CONCRETE FLOOR PROVIDE RTBEE CONCRETE EDGE BARRIER KIT). PROVIDE A MINIMUM OF TWO DATA CABLES AT EACH LOCATION. IF FEEDING MULTIPLE COMPUTERS PROVIDE TWO DATA CABLES FOR EACH COMPUTER. COORDINATE WITH ARCHITECT.
 - DATA: REQUIRES 4" SQUARE OUTLET BOX, APPROPRIATE PLASTER RING, AND 1" C. STUBBED TO AN ACCESSIBLE LOCATION ABOVE A REMOVABLE CEILING TILE. MINIMUM OF TWO DATA CABLES AT EACH LOCATION SHOWN UNLESS OTHERWISE NOTED.
 - ⊕ FLUSH MOUNTED JUNCTION BOX. VERIFY MOUNTING HEIGHT WITH MILLWORK DETAILS AND/OR THE OWNER'S REPRESENTATIVE. AT EQUIPMENT LOCATIONS VERIFY THE EXACT LOCATION WITH THE EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
 - ⊕ FUSED/NON-FUSED DISCONNECT-FUSE ALL EQUIPMENT PER MANUFACTURER RECOMMENDATION FOR THE ACTUAL EQUIPMENT FURNISHED. FURNISH NEMA-4X IN THE KITCHEN. MOUNT DISCONNECT FOR HVAC CONDENSER UNITS WITH TOP OF SWITCH AT 56" A.F.F.
 - MOTOR - VERIFY THE SIZE WITH ACTUAL EQUIPMENT FURNISHED. NUMBER REPRESENTS HORSE POWER RATING.
 - MOTOR RATED SWITCH USED FOR EQUIPMENT DISCONNECTING MEANS. SINGLE PHASE. PROVIDE WITH THERMAL OVERLOAD SIZED PER MOTOR LOAD.
 - SINGLE POLE SWITCH FOR GARBAGE DISPOSER. WIRE RECEPTACLE TO SWITCHED UPPER HALF.
 - SWITCH TYPE 1221 (3" INDICATES 3-WAY SWITCH, 'D' INDICATES DIMMER COORDINATE WITH FIXTURE/LAMP TYPE AND CIRCUIT WATTAGE.
 - MALL MOUNTED DUAL TECHNOLOGY MOTION SENSOR SWITCH WIRE PER MANUFACTURERS RECOMMENDATION. PROVIDE CONTACTORS TO CONTROL EXHAUST FAN WITH LIGHTS.
 - MALL MOUNTED PASSIVE INFRARED COMBINATION MOTION SENSOR SWITCH AND SINGLE POLE WALLBOX SLIDE DIMMER. WIRE PER MANUFACTURERS RECOMMENDATION. PROVIDE CONTACTORS TO CONTROL EXHAUST FAN WITH LIGHTS. LEVITON GSD10 OR EQUAL.
 - 'OS' - CEILING MOUNTED DUAL TECHNOLOGY MOTION SENSOR PROVIDE AND INSTALL THE APPROPRIATE POWER PACK. COORDINATE SWITCHING WITH ACTUAL MOTION SENSOR USED. COORDINATE LOCATION AND NUMBER WITH ACTUAL MOTION SENSOR USED. WIRE PER MANUFACTURERS RECOMMENDATION. PROVIDE OCCUPANCY SENSOR WHICH IS THE CORRECT TYPE FOR THE SPACE. PROVIDE CONTACTORS TO CONTROL EXHAUST FAN WITH LIGHTS.
 - 'OS' - WALL MOUNTED DUAL TECHNOLOGY MOTION SENSOR PROVIDE AND INSTALL THE APPROPRIATE POWER PACK. COORDINATE SWITCHING WITH ACTUAL MOTION SENSOR USED. COORDINATE LOCATION AND NUMBER WITH ACTUAL MOTION SENSOR USED. WIRE PER MANUFACTURERS RECOMMENDATION. PROVIDE OCCUPANCY SENSOR WHICH IS THE CORRECT TYPE FOR THE SPACE.
 - EXIT LIGHT - ARROW DENOTES INCLUSION OF ARROW ON LENS. CONTRACTOR TO COORDINATE PROPER MOUNTING DETAILS.
 - THERMOSTAT, MOUNT, @ 48" A.F.F. TO CENTER OF BOX (NUMBER DENOTES HVAC UNIT).
 - PUSHBUTTON FOR DOOR RELEASE. PROVIDE DOUBLE GANG FLUSH BACKBOX WITH SINGLE GANG FLUSH WALL OPENING AND EMPTY 3/4" CONDUIT STUBBED TO NEAREST ACCESSIBLE LAY IN CEILING.
 - REQUEST TO EXIT. EG SHALL COORDINATE REQUIREMENTS WITH THE ARCHITECT AND AV CONSULTANT.



- LEGEND(CONT.)**
- ELECTRICAL PANEL
 - DRY TYPE TRANSFORMER-480/120-200 VOLTS. PROVIDE VIBRATION-ISOLATION MOUNTING PADS.
 - BRANCH CIRCUIT HOMERUN. PANEL AND CIRCUIT NUMBER INDICATED.
 - DUCT DETECTOR-FURNISHED AND INSTALLED BY THE FIRE ALARM CONTRACTOR. COORDINATE QUANTITY AND LOCATION WITH MECHANICAL PLANS.
 - FIRE ALARM CONTROL PANEL MOUNTED 50" A.F.F.
 - FIRE ALARM ANNUNCIATOR PANEL MOUNTED 52" A.F.F.
 - MANUAL PULL STATION MOUNTED MINIMUM OF 42"; MAXIMUM OF 48" A.F.F.
 - FIRE ALARM MODULE FOR CONTROL; PROVIDE ALL LOW VOLTAGE WIRING.
 - PHOTOELECTRIC SMOKE DETECTOR. WALL MOUNTED
 - HEAT DETECTOR. WALL MOUNTED
 - PHOTOELECTRIC SMOKE DETECTOR. CEILING MOUNTED
 - HEAT DETECTOR. CEILING MOUNTED
 - CEILING FIRE ALARM VISUAL STROBE LIGHT-WP DENOTES WEATHER RESISTANT. REQUIRES 4" SQUARE BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. NUMBER DENOTES CANDELA RATING.
 - WALL MOUNT FIRE ALARM VISUAL STROBE LIGHT-WP DENOTES WEATHER RESISTANT. REQUIRES 4" SQUARE BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. NUMBER DENOTES CANDELA RATING.
 - WALL MOUNT FIRE ALARM HORN-STROBE LIGHT-WP DENOTES WEATHER RESISTANT. REQUIRES 4" SQUARE BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. NUMBER DENOTES CANDELA RATING.
 - CEILING FIRE ALARM HORN-STROBE LIGHT-WP DENOTES WEATHER RESISTANT. REQUIRES 4" SQUARE BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. NUMBER DENOTES CANDELA RATING.
- SUBSCRIPTS:**
- C = COORDINATE LOCATION WITH MILLWORK-MOUNTING HEIGHTS VARY. REFER TO THE ARCHITECTURAL MILLWORK DRAWINGS.
 - K = LOCATED IN KNEE SPACE; COORDINATE LOCATION WITH MILLWORK-MOUNTING HEIGHTS VARY. REFER TO THE ARCHITECTURAL MILLWORK DRAWINGS.
 - W = WALL MOUNTED @ 48" A.F.F.-OR AS SHOWN.
 - GF = GROUND FAULT CIRCUIT INTERRUPTER.
 - WP = WEATHER RESISTANT RECEPTACLES ARE 'SFI', WITH METAL WEATHER RESISTANT 'WHILE-IN-USE' COVERS.
 - MN = MICROVAPE OVEN.
 - GD = GARBAGE DISPOSER.
 - EM = FIXTURE CONTAINS EMERGENCY BATTERY PACK.
 - NL = UNSWITCHED EMERGENCY FIXTURE.
 - H = MOUNT HORIZONTALLY IN MILLWORK.
 - EG = ELECTRICAL CONTRACTOR
 - AFF = ABOVE FINISHED FLOOR
 - AFG = ABOVE FINISHED GRADE
 - EWAC = ELECTRIC WATER COOLER
 - EDW = ELECTRIC WATER HEATER
 - NTS = NOT TO SCALE

- GENERAL ELECTRICAL NOTES-ALL SHEETS**
THESE NOTES ARE ONLY A SUPPLEMENT TO THE SPECIFICATIONS
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR A COMPLETE WORKING INSTALLATION. THIS CONTRACTOR IS TO COMPLY WITH THE STATE ADOPTED ADA ACCESSIBLE GUIDELINES IN REGARD TO ACCESSIBLE FEATURES.
 - AT ALL MILLWORK LOCATIONS COORDINATE THE ELECTRICAL INSTALLATION WITH THE ARCHITECTURAL DRAWINGS.
 - PROVIDE FIRE RATED CAULKING WHERE CONDUIT OR OTHER ELECTRICAL ITEMS PASS THROUGH FIRE-RATED WALLS, CEILING AND FLOORS.
 - INSTALL ALL CONDUIT STRAIGHT AND PARALLEL WITH THE BUILDING LINES. ALL CONDUIT IS CONCEALED IN PUEB PLACES.
 - THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL PERMIT AND FEE COSTS AND SHALL INCLUDE THESE COSTS IN THE BID PRICE FOR THIS PROJECT.
 - THE ENTIRE ELECTRICAL INSTALLATION SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES AND ORDINANCES. IF A CONFLICT IS FOUND BETWEEN APPLICABLE CODES, THE MORE STRINGENT SHALL APPLY. THE CONTRACTOR SHALL BE COMPLETELY FAMILIAR WITH ALL APPLICABLE MUNICIPAL CODES AND ORDINANCES.
 - THE SUBMISSION OF A PROPOSAL WILL BE CONSIDERED EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED THEMSELVES WITH THE DRAWINGS, SPECIFICATION BOOK, THE BUILDING SITE AND OTHER INFORMATION PRESENTED FOR THE CONSTRUCTION OF THIS PROJECT. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED IF THEY COULD HAVE BEEN FORESEEN HAD A COMPLETE AND THOROUGH EXAMINATION BEEN MADE.
 - DO NOT SCALE DIRECTLY FROM THE ELECTRICAL DRAWINGS. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONAL INFORMATION.
 - THE CONTRACTOR SHALL GUARANTEE ALL WORK FOR WHICH MATERIALS ARE FURNISHED, FABRICATED OR FIELD ERECTED. THIS CONTRACTOR GUARANTEES SHALL EXIST FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL OWNER ACCEPTANCE OF THE WORK AND SHALL APPLY TO ALL DEFECTS IN MATERIALS AND/OR WORKMANSHIP OF ANY KIND.
 - WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OR NATURE OF THE WORK REQUIRED, THE CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHANGES WILL BE MADE WITH OUT THE EXPRESSED WRITTEN CONSENT OF THE OWNER.
 - IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE WITH ALL OTHER TRADES TO INSURE THAT ALL CIRCUITS AND DEVICES ARE OF A PROPER SIZE FOR ACTUAL EQUIPMENT FURNISHED. THE ENGINEER SHALL BE NOTIFIED OF ANY CONFLICT WHICH CAUSES CHANGES TO ANY SYSTEM AS DESIGNED ON THESE DRAWINGS; FAILURE ON THE PART OF THE CONTRACTOR TO NOTIFY THE ENGINEER OR ARCHITECT OF SUCH CONFLICTS PLACES THE SUBSEQUENT CHANGES UPON THE CONTRACTOR.
 - THE ELECTRICAL CONTRACTOR IS TO PROVIDE, AT YET TO BE DECIDED LOCATIONS, FIFTY (50) CONDUIT STUB-UPS, WHICH ARE TO INCLUDE 4" OUTLET BOXES, PLASTER RINGS, COVER PLATES, AND CONDUIT TO ABOVE THE CEILING. TWENTY FIVE (25) ONE GANG AND TWENTY FIVE (25) TWO GANGS. IN ADDITION, PROVIDE FIFTY (50) SINGLE GANG STUB-UPS WHICH ARE TO INCLUDE 4" OUTLET BOXES, PLASTER RINGS, COVER PLATES, INCLUDING ONE RECEPTACLE OR SWITCH WITH 50 FEET OF CIRCUIT WIRING PER SINGLE GANG STUB-UP. COMBINED TOTAL NUMBER OF STUB-UPS REQUIRED IS ONE HUNDRED (100).
 - ALLOW FOR THE ADDITION OF 10 (TEN) NEW EXIT LIGHTS WITH WIRING TO UNSWITCHED LIGHTING CIRCUIT.
 - THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING SYSTEMS:
 - POWER AND LIGHTING
 - ALL DEVICE PLATES ARE NYLON. COORDINATE COLOR OF DEVICES WITH THE ARCHITECT.
 - ALL 20A 120V AND 250V NON-LOCKING TYPE RECEPTACLES, UNLESS OTHERWISE NOTED, SHALL BE TAMPER RESISTANT TYPE PER NEC 408.12.
 - WHERE DEVICES ARE SHOWN NEXT TO EACH OTHER, THEY ARE INTENDED TO BE GANGED. FIELD VERIFY ACTUAL SPACE AVAILABLE AND NOTIFY THE ARCHITECT WHERE THERE ARE SPACE CONFLICTS.
 - LOW VOLTAGE WIRING IS TO BE ENGAGED IN CONDUIT IN AREAS WITH NO CEILING OR HARD CEILING.
 - RECEPTACLES FOR EQUIPMENT SUCH AS ELECTRIC WATER COOLERS SHALL BE LOCATED IN THE WALL AT A LOCATION WHICH IS CONCEALED BY THE EQUIPMENT CABINET.
 - ALL EMPTY CONDUITS ARE TO CONTAIN A NYLON PULL STRING. EMPTY CONDUITS 2" AND LARGER ARE TO BE SHABBED OUT AND LEFT WITH A NYLON PULL ROPE FOR THE USE OF THE OWNER.
 - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL DRIVER AND LAMP COMBINATIONS THAT WILL PROVIDE THE OWNER WITH A FIVE YEAR WARRANTY ON THE DRIVER.
 - COORDINATE WITH THE GENERAL CONTRACTOR AND THE INSULATION CONTRACTOR TO HOLD THE BATT INSULATION AWAY FROM ALL LAY-IN FIXTURES. CLEARANCE SHOULD BE 3" ON ALL SIDES, AND TOTALLY CLEAR ON THE TOP.
 - ROOM NUMBERS USED IN THE PANEL SCHEDULES ARE TO REFLECT ROOM NUMBERS BY THE OWNER. ARCHITECT WILL PROVIDE CROSS OVER LIST DURING THE PROJECT.
 - OCCUPANCY SENSORS ARE TO BE LAID OUT BY THE LIGHTING REPRESENTATIVE FURNISHING THE EQUIPMENT HSA WILL PROVIDE AUTO CAD DRAWINGS AS NECESSARY. ELECTRICAL CONTRACTOR RESPONSIBLE FOR LOCATION DETAILS AND MOUNTING. SENSORS SHOWN ARE FOR REFERENCE ONLY.
 - FURNISH 2-2" CONDUITS SLEEVES THROUGH FIRE WALLS UNLESS OTHERWISE NOTED. SEAL PER RATINGS OF THE WALL.
 - WHERE INDIRECT (SUSPENDED) LIGHTING IS USED, THE ELECTRICAL CONTRACTOR SHALL CONTRACT WITH THE CEILING CONTRACTOR TO PROVIDE THE NECESSARY TIES TO THE STRUCTURE ABOVE AT EACH POINT OF ATTACHMENT OF THE FIXTURE HANGERS.
 - ALL WIRE AND CABLE SHALL BE SOFT DRAWN COPPER WITH INSULATION CONFORMING TO REQUIREMENTS OF THE NEC AND ALL RELEVANT ASTM SPECIFICATIONS.
 - ALL WIRE NO. 8 AND LARGER SHALL BE STRANDED; WHERE NO. 12 OR 10 STRANDED IS USED, TERMINATE WITH INSULATED COMPRESSION LUG OF THE PROPER SIZE. E. ALL WIRE SHALL HAVE 600 VOLT TYPE THIN INSULATION, UNLESS SPECIFIED OTHERWISE ON THE PLANS.
 - WIRE SIZES:

WIRE SIZE 120V	WIRE SIZE 277V
A. #12 LESS THAN 75 FEET	LESS THAN 150 FEET
B. #10 BETWEEN 75-150 FEET	BETWEEN 150-300 FEET
C. #8 BETWEEN 150-250 FEET	BETWEEN 300-450 FEET
D. #6 BETWEEN 250-375 FEET	BETWEEN 450-700 FEET

- GENERAL ELECTRICAL NOTES**
(CONTINUED.)
- FIRE ALARM:
 - ALL FIRE ALARM OUTLET BOXES ARE TO BE PAINTED RED.
 - THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING BREAKER LOCK FOR LOCKING FIRE ALARM PANEL BREAKER IN THE 'ON' POSITION.
 - THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING A PLAN BOX NEXT TO THE FIRE ALARM CONTROL PANEL. COORDINATE EXACT SIZE AND LOCATION OF BOX WITH THE CITY FIRE MARSHAL PRIOR TO INSTALLATION. IT SHOULD BE LARGE ENOUGH FOR A SET OF SPRINKLER PLANS ALSO.
 - INSTALL FIRE ALARM SYSTEM PER N.F.P.A. AND ALL STATE AND LOCAL ORDINANCES.
 - THE SPRINKLER CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE FLOW AND TAMPER SWITCHES, WHILE THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR THE WIRING AND MODULES NECESSARY TO TIE THEM TO THE FIRE ALARM SYSTEM. VERIFY COORD WITH THE SPRINKLER CONTRACTOR.
 - FURNISHING ALL DEVICES AND SYSTEMS NECESSARY FOR A COMPLETE ACCEPTABLE SYSTEM. NO EXTRA CHARGES WILL BE ALLOWED. OUTSIDE OF THE CONTRACT PRICE. THE FIRE ALARM CONTRACTOR IS TO SUBMIT PLANS TO THE FIRE MARSHAL FOR FINAL APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
 - DUCT DETECTORS ARE SUPPLIED AND INSTALLED BY THE FIRE ALARM CONTRACTOR. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO FURNISH ALL WIRING NECESSARY TO CONNECT THESE DEVICES TO THE FIRE ALARM SYSTEM. PROVIDE WITH REMOTE INDICATOR OR SEPARATELY ZONED. COORDINATE QUANTITY AND LOCATION WITH THE MECHANICAL DRAWINGS.
 - CONDUIT AND CABLE SYSTEM FOR DATA AND TELEPHONE WIRING.
 - CONDUIT FOR DATA AND TELEPHONE SYSTEM, TO INCLUDE SLEEVES IN FIRE WALLS.
 - DATA OUTLETS IN THE FLOOR REQUIRE 1" CONDUIT FROM EACH ONE TO A POINT ABOVE AN ACCESSIBLE CEILING. NO DASHY CHAINING OF DATA OUTLETS/CONDUITS IS ALLOWED.
 - CABLE IS NOT TO BE INSTALLED EXPOSED. VERIFY WITH MECHANICAL PLANS FOR FLENUM SPACES CABLE IN THESE AREAS IS FLENUM RATED.
 - ELECTRICAL CONTRACTOR IS TO PROVIDE, INSTALL AND TERMINATE ALL DATA/TELEPHONE WIRING. REFER TO SPECIFICATIONS FOR EXACT REQUIREMENTS.
 - GROUNDING SYSTEM
 - ALL CONDUITS ARE TO CONTAIN A GREEN GROUNDING CONDUCTOR, SIZED PER THE N.E.C.
 - EQUIPMENT REQUIREMENTS:
 - VERIFY EXACT FUSE SIZE AND EQUIPMENT REQUIREMENTS WITH THE ACTUAL EQUIPMENT FURNISHED BY THE OTHER CONTRACTORS.
 - ALL HOT WATER CIRCULATION PUMPS ARE TO BE CONTROLLED VIA 1 DAY TIME CLOCKS PROVIDED BY THE MECHANICAL CONTRACTOR.
 - FINAL EQUIPMENT CONNECTIONS: THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS REQUIRED TO MAKE FINAL ELECTRICAL CONNECTIONS TO ALL EQUIPMENT FURNISHED ON THIS PROJECT. VERIFY ALL REQUIREMENTS, CONDUCTOR SIZES, OVERCURRENT PROTECTION, PHASES, VOLTAGES, MOTOR ROTATION, ETC., WITH THE EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE FUSED DISCONNECT IF REQUIRED BY MANUFACTURER. FURNISH HARD WIRING FOR ALL WATER HEATERS AND CIRCULATION PUMPS.
 - THE ELECTRICAL CONTRACTOR IS TO PROVIDE ALL CONTACTORS, MAGNETIC STARTERS, AND MISCELLANEOUS WIRING NECESSARY TO CONTROL EXHAUST FANS AND OTHER AUTOMATICALLY OPERATED EQUIPMENT. THE CONTROLS CONTRACTOR IS TO FURNISH ONE RELAY PER ITEM AS COMPATIBLE WITH THEIR CONTROL SYSTEM.
 - HVAC CONTROL:
 - THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT FROM EACH HVAC UNIT TO ITS RESPECTIVE THERMOSTAT, HUMIDSTAT, AND/OR SENSOR, AS REQUIRED. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR AND ARCHITECT PRIOR TO ROUGH-IN.
 - THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT AND WIRING NECESSARY FOR LINE VOLTAGE CONTROL SYSTEMS.
 - ALL LOW VOLTAGE CONTROL WIRING SHALL BE ENCLOSED IN CONDUIT IN SPACES WITH NO CEILING.
 - COORDINATE ALL HVAC WIRING WITH THE MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR.
 - THE ELECTRICAL CONTRACTOR IS TO PROVIDE A MAGNETIC STARTER FOR EACH EXHAUST FAN. THIS STARTER IS CONTROLLED BY THE LIGHTING/MOTION SENSOR SYSTEM.
 - THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL ALL LINE VOLTAGE THERMOSTATS.
 - ADDITIONAL INFORMATION
 - REFER TO THE ARCHITECTURAL DEMOLITION PLAN FOR SCOPE OF DEMOLITION AND AREA OF DEMOLITION.



**SC JOHNSON AR - STE 300
RENOVATION**

**903 N. 47TH ST. STE 300
ROGERS, AR 72756**

**NOT FOR
CONSTRUCTION**

DELTA ISSUE DESCRIPTION DATE



NEW YORK
100 BROADWAY 12th FLOOR
NEW YORK CITY, NY 10005
TEL 212-682-6909

©2025 INTERIOR ARCHITECTS, P.C. A NEW YORK PROFESSIONAL SERVICES CORPORATION.
ALL DRAWINGS AND WRITTEN MATERIALS HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK
OF THE ARCHITECT AND THE SAME MAY NOT BE DUPLICATED, USED, OR DISCLOSED WITHOUT THE
WRITTEN CONSENT OF THE ARCHITECT.

Owner Approval
05SCJIS.0037.000 1/8" = 1'-0"
Job No. Scale

HSAEngineering
501 / 327 / 5757 office
515 Locust Avenue
Conway, Arkansas 72034
HSAConsultants.com

**ELECTRICAL LEGEND,
NOTES & DETAILS**
E1.1

MARK	VOLT	WATT	LAMP				MOUNTING				MANUFACTURER	CATALOG NO.	REMARKS	
			CGT	TYPE	BRKT	FEND	REC	SURF	TYPE	HEIGHT				TYPE
A1	UNV	24	3500K	LED			X					FINELITE	HPR LED-A-2X2-S-035-DCO-96L6-UNV-5C-FC-196-C2-96L6	2X2 LAY-IN
A2	UNV	27	3500K	LED			X					FINELITE	HPR LED-A-2X4-S-035-DCO-96L6-UNV-5C-FC-196-C2-96L6	2X4 LAY-IN
B1	UNV	10	3500K	LED				X				LIGHTOLIER - SIGNIFY	3R-N--P3R-DL-0T-035-N-CL-F-Z10-U---CABRFT	3" 6YP BOARD DOWNLIGHT
B2	UNV	10	3500K	LED				X				LIGHTOLIER - SIGNIFY	3R-N--P3R-DL-0T-035-N-CL--Z10-U---	3" LAY-IN DOWNLIGHT
C4	UNV	32	3500K	LED				X				CFI - SIGNIFY	F58E2-4-2OL-035-UNV-DIM	4FT LINEAR STRIP PENDANT
C8	UNV	64	3500K	LED				X				ALN	LIGHTPLANE 1 LP1SD-808-HV/00/3500K-V01-EXT/F-AS-UNV	8FT LINEAR PENDANT
F4	UNV	48	3500K	LED					X			CONTECH LIGHTING	LPL4-S-XX-3040KC-P	4FT UNDER-CABINET LIGHT
F13	UNV	62	3500K	LED					X			CONTECH LIGHTING	LPL4-S-XX-3040KC-P	13FT UNDER-CABINET LIGHT
G1	UNV	55	3500K	LED					X			LEDALITE	TRUGROOVE PERIMETER 44-0-B-L-035-30-Q-S-N-XX-D-E-1-N-NN-N-C-G-2-S-3	6YP LINEAR COVE LIGHT. COORDINATE LENGTHS WITH RCP AND WALL LAYOUT
G2	UNV	55	3500K	LED					X			LEDALITE	TRUGROOVE PERIMETER 44-0-B-L-035-30-Q-S-N-XX-D-E-1-N-NN-N-C-G-2-S-1	LAY-IN LINEAR COVE LIGHT. COORDINATE LENGTHS WITH RCP AND WALL LAYOUT
H	UNV	237	3500K	LED					X			ARON	EZT V1-6YP-10X20L-500-B1-35K6-UNV-DM-N	6YP LINEAR RECTANGLE SHAPED
D1	UNV	4	3500K	LED				X				RBW	AKOYA PENDANT M22-PC30-PC42-35-1_10V_UNV	OPEN COLLAB PENDANT DECORATIVE CYLINDER. LAY-IN MOUNTED
D2	UNV	14	2100K	LED				X				MARSET	DJEMBE 65.23 A681-388	CAFÉ DECORATIVE PENDANT CILINDER
D3	UNV	13	2100K	LED				X				ROSS GARDAM	OAK PENDANT SKU: OKP.L.H-LIM; CAN.SL.SFA-BLK	CAFÉ ISLAND DECORATIVE PENDANT. 6YP MOUNTED
X	UNV	5	N/A	LED						X		MULE LIGHTING	MX-B	EXIT SIGN

NOTES:
 NOTE : FIXTURES NOTED AS 'CTBS' SHOULD BE PRICED TO ALLOW FOR CUSTOM COLORS.
 NOTE : HOLD ALL INSULATION OFF RECESSED FIXTURES AND A MINIMUM OF 3" TO THE SIDE.
 NOTE : EXIT LIGHTS AND EMERGENCY LIGHTS REQUIRES UNSWITCHED HOT WIRE PER MANUFACTURER RECOMMENDATION.
 NOTE : EM OR NL DENOTES EMERGENCY BATTERY PACK GOOD FOR MINIMUM OF 1.5 HOURS.
 NOTE : ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL DRIVER AND LEDS THAT WILL PROVIDE
 NOTE : THE OWNER WITH A FIVE YEAR WARRANTY.

GENERAL LIGHTING NOTES

1. GENERAL NOTES HERE: DESCRIPTION OF SWITCHING SCHEME

KEYED LIGHTING NOTES

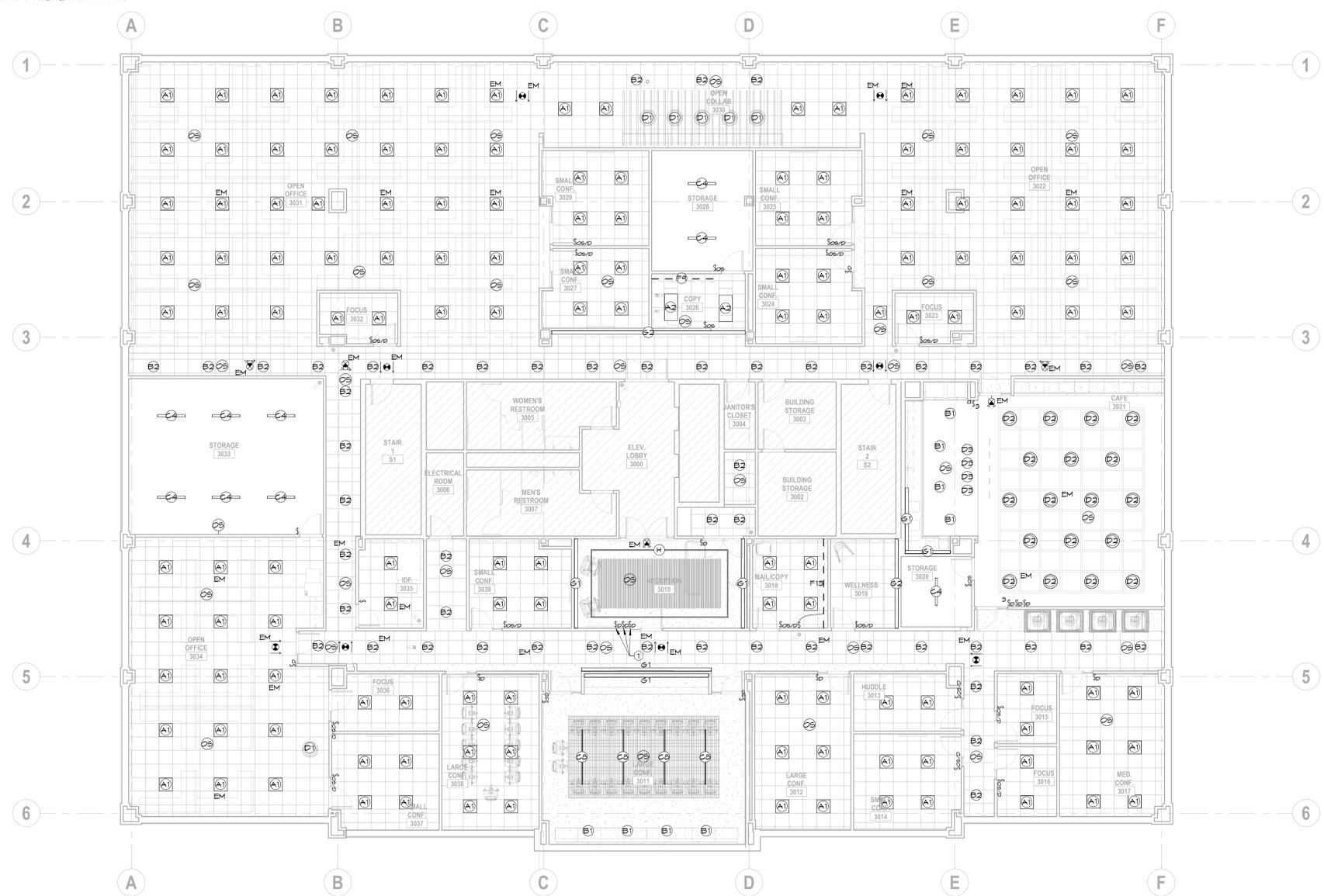
① PROVIDE SINGLE POLE PRESET WALLBOX SLIDE DIMMER. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL DIMMER COMPATIBLE WITH THE ACTUAL FIXTURES USED. TYPICAL OF ALL.
 ②



SC JOHNSON AR - STE 300 RENOVATION

903 N. 47TH ST. STE 300
 ROGERS, AR 72756

NOT FOR CONSTRUCTION



① LIGHTING PLAN
 1/8" = 1'-0"

HSA Engineering
 501 / 327 / 5757 office
 515 Locust Avenue
 Conway, Arkansas 72034
 HSAConsultants.com

DELTA ISSUE DESCRIPTION DATE



NEW YORK
 100 BROADWAY 12th FLOOR
 NEW YORK CITY, NY 10005
 TEL 212-682-6909

GOOD: INTERIOR ARCHITECTS, P.C. A NEW YORK PROFESSIONAL SERVICES CORPORATION.
 ALL DRAWINGS AND WRITTEN MATERIALS HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF THE ARCHITECT. AND THE SAME MAY NOT BE REPRODUCED, COPIED, OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT.

Owner Approval
 05SCJS.0037.000 N.T.S.
 Job No. Scale

**LIGHTING PLAN
 E2.1**

**SC JOHNSON AR - STE 300
RENOVATION**

903 N. 47TH ST. STE 300
ROGERS, AR 72756

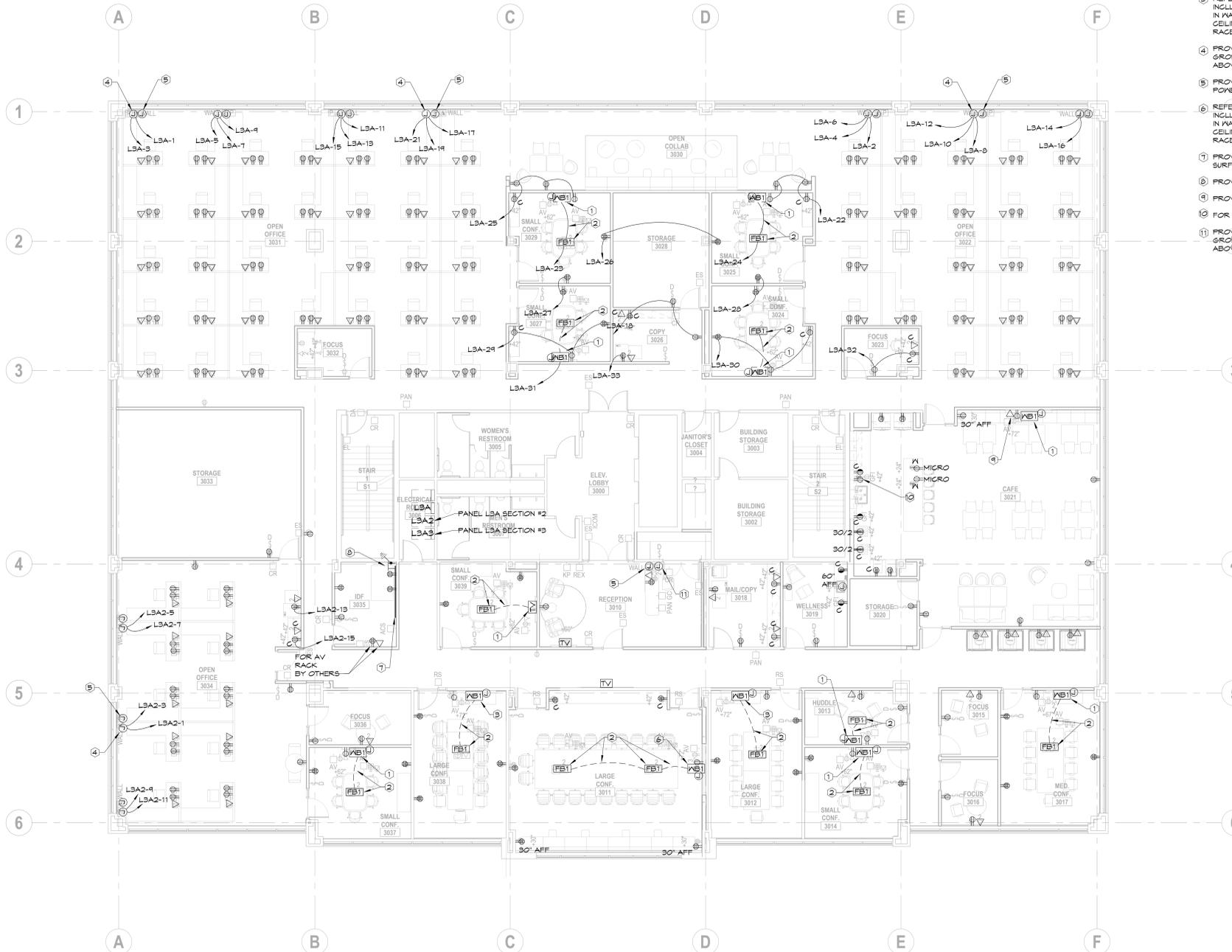
**NOT FOR
CONSTRUCTION**

GENERAL POWER NOTES

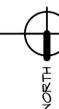
1. REFER TO THE AV DRAWINGS FOR ALL INFRASTRUCTURE REQUIREMENTS, INCLUDING JUNCTION BOX SIZES, CONDUIT SIZES, MOUNTING HEIGHTS, ETC. AT THE JUNCTION BOX DETAILS/ELEVATIONS, ETC. POWER CONDUITS ARE NOT SHOWN. ALL POWER CONDUITS SHALL BE BY THE ELECTRICAL CONTRACTORS AS REQUIRED.
2. REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL INFRASTRUCTURE REQUIREMENTS, INCLUDING DEVICE LOCATIONS, SIZES, MOUNTING HEIGHTS, ETC.
3. REFER TO ARCHITECTURAL DRAWINGS FOR ALL FULL HEIGHT PARTITIONS THAT GO TO THE DECK. PROVIDE SLEEVES AT THESE LOCATIONS.
4. FLOOR MOUNTED CONNECTRAC SURFACE RACEWAY SYSTEM FURNISHED BY AV INSTALLER. POWER CONDUITS TO UNDER THE TABLE SHALL BE ROUTED IN THIS SURFACE RACEWAYS. TYPICAL.
5. REFER TO DRAWING AN5.0 FOR A PARTIAL RESPONSIBILITY MATRIX.

KEYED POWER NOTES

- 1 REFER TO THE AV000, AV001 AND AV401.0 DRAWINGS FOR ALL INFRASTRUCTURE REQUIREMENTS INCLUDING JUNCTION BOX SIZES, LOW VOLTAGE CONDUITS, ETC. PROVIDE AN ADDITIONAL CONCEALED IN WALL CONDUIT FOR RECEPTACLE CIRCUITS FROM "1XB-1" JUNCTION BOXES UP TO ABOVE FINISHED CEILING AND DOWN TO THE TRANSITION FROM CONCEALED CONDUIT TO CONNECTRAC SURFACE RACEWAY SYSTEM. FLOOR MOUNTED CONNECTRAC, FURNISHED BY AV INSTALLER. TYPICAL.
- 2 SURFACE FLOOR MOUNTED CONNECTRAC FURNISHED AND INSTALLED BY THE AV INSTALLER. ROUTE POWER WIRING IN THE TRACK CONNECTOR.
- 3 REFER TO THE AV000, AV001 AND AV401.0 DRAWINGS FOR ALL INFRASTRUCTURE REQUIREMENTS INCLUDING JUNCTION BOX SIZES, LOW VOLTAGE CONDUITS, ETC. PROVIDE AN ADDITIONAL CONCEALED IN WALL CONDUIT FOR RECEPTACLE CIRCUITS FROM "1XB-1" JUNCTION BOXES UP TO ABOVE FINISHED CEILING AND DOWN TO THE TRANSITION FROM CONCEALED CONDUIT TO CONNECTRAC SURFACE RACEWAY SYSTEM. FLOOR MOUNTED CONNECTRAC, FURNISHED BY AV INSTALLER. TYPICAL.
- 4 PROVIDE FLUSH WALL MOUNTED DOUBLE GANG DEEP BACKBOX WITH A REMOVABLE COVER WITH A 2" GROUMETED OPENING FOR LOW VOLTAGE CABLING. PROVIDE EMPTY 2" C. WITH FULLSTRINGS STUBBED ABOVE NEAREST LAY IN CEILING. TYPICAL.
- 5 PROVIDE FLUSH WALL MOUNTED JUNCTION BOX AND HARDWARE CONNECTION TO FURNITURE BASE FOR POWER. TYPICAL.
- 6 REFER TO THE AV000, AV001 AND AV412.0 DRAWINGS FOR ALL INFRASTRUCTURE REQUIREMENTS INCLUDING JUNCTION BOX SIZES, LOW VOLTAGE CONDUITS, ETC. PROVIDE AN ADDITIONAL CONCEALED IN WALL CONDUIT FOR RECEPTACLE CIRCUITS FROM "1XB-1" JUNCTION BOXES UP TO ABOVE FINISHED CEILING AND DOWN TO THE TRANSITION FROM CONCEALED CONDUIT TO CONNECTRAC SURFACE RACEWAY SYSTEM. FLOOR MOUNTED CONNECTRAC, FURNISHED BY AV INSTALLER. TYPICAL.
- 7 PROVIDE TWO (2) 3/4" T X 8'-0" X 4'-0" FIRE RATED PLYWOOD BACKBOARD, PAINT TO MATCH ADJACENT SURFACE. MOUNT BOTTOM OF BACKBOARD 20" AFF.
- 8 PROVIDE 1/4" X 4" X 12" GROUNDING BAR. PROVIDE 1 #1/0 TO BUILDING GROUNDING SYSTEM.
- 9 PROVIDE EMPTY 1" C. TO WB1.
- 10 FOR DISHWASHER. MOUNT IN ADJACENT LOWER CABINET FOR ACCESS.
- 11 PROVIDE FLUSH WALL MOUNTED DOUBLE GANG DEEP BACKBOX WITH A REMOVABLE COVER WITH A 1" GROUMETED OPENING FOR LOW VOLTAGE CABLING. PROVIDE EMPTY 1" C. WITH FULLSTRINGS STUBBED ABOVE NEAREST LAY IN CEILING. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



1 POWER PLAN
1/8" = 1'-0"



HSA Engineering
501 / 327 / 5757 office
515 Locust Avenue
Conway, Arkansas 72034
HSAConsultants.com

DELTA	ISSUE	DESCRIPTION	DATE

IA INTERIOR ARCHITECTS

NEW YORK
100 BROADWAY 12th FLOOR
NEW YORK CITY, NY 10005
TEL 212-682-6909

©2025 INTERIOR ARCHITECTS, P.C. A NEW YORK PROFESSIONAL SERVICES CORPORATION. ALL DRAWINGS AND WRITTEN MATERIALS HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF THE ARCHITECT. AND THE SAME MAY NOT BE DUPLICATED, USED, OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT.

Owner Approval _____
05SCJIS.0037.000 1/8" = 1'-0"
Job No. Scale

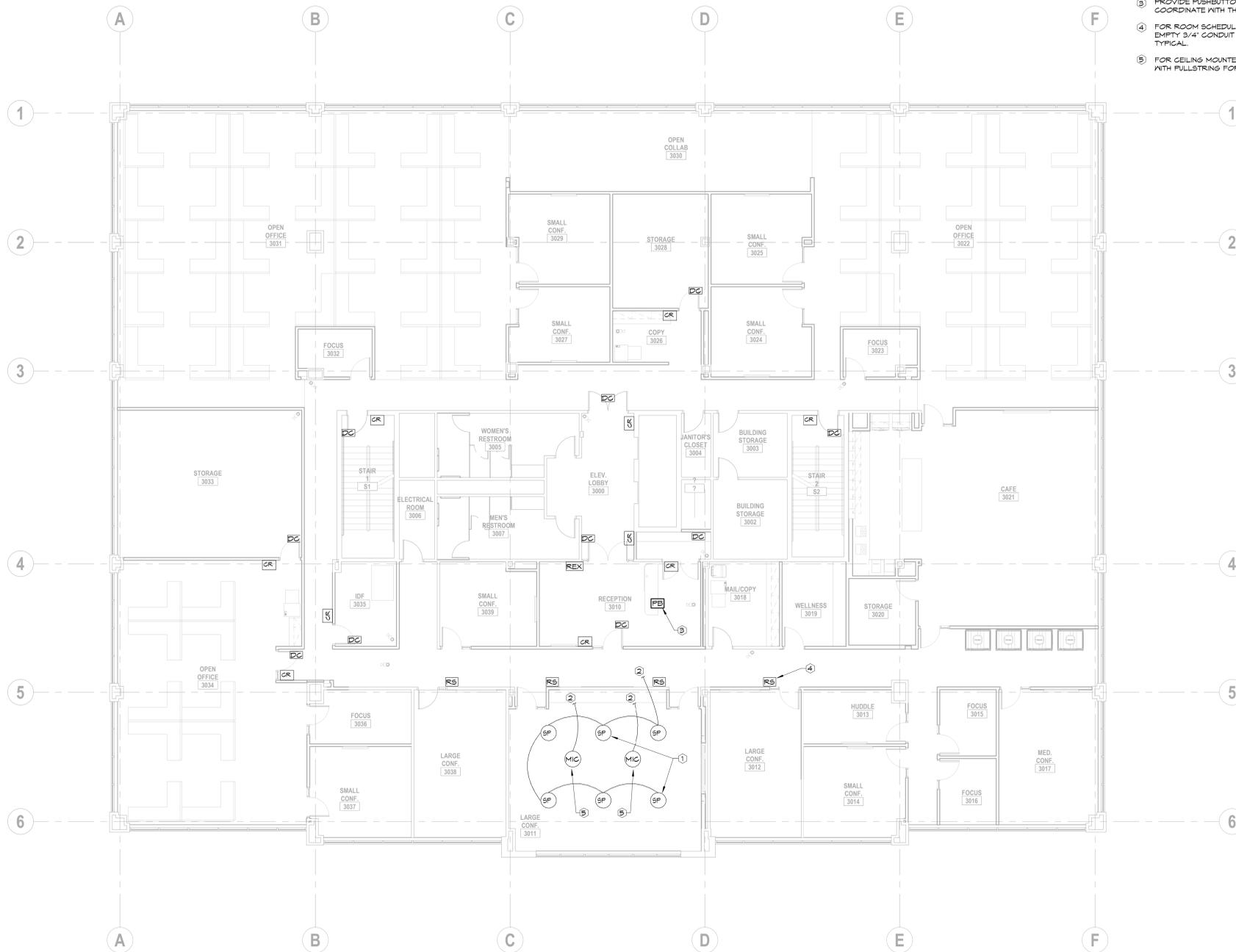
POWER PLAN
E2.2

GENERAL SPECIAL SYSTEMS NOTES

1. REFER TO THE AV DRAWINGS FOR ALL INFRASTRUCTURE REQUIREMENTS, INCLUDING JUNCTION BOX SIZES, CONDUIT SIZES, MOUNTING HEIGHTS, ETC. AT THE NBD DETAILS/ELEVATIONS, ETC. POWER CONDUITS ARE NOT SHOWN. ALL POWER CONDUITS SHALL BE BY THE ELECTRICAL CONTRACTORS AS REQUIRED.
2. REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL INFRASTRUCTURE REQUIREMENTS, INCLUDING DEVICE LOCATIONS, SIZES, MOUNTING HEIGHTS, ETC.
3. REFER TO ARCHITECTURAL DRAWINGS FOR ALL FULL HEIGHT PARTITIONS THAT GO TO THE DECK. PROVIDE SLEEVES AT THESE LOCATIONS.
4. FLOOR MOUNTED CONNECTRAC SURFACE RACEWAY SYSTEM FURNISHED BY AV INSTALLER. POWER CONDUITS TO UNDER THE TABLE SHALL BE ROUTED IN THIS SURFACE RACEWAYS. TYPICAL.
5. REFER TO DRAWING ANS.0 FOR A PARTIAL RESPONSIBILITY MATRIX.

KEYED SPECIAL SYSTEMS NOTES

- 1 APPROXIMATE LOCATION OF SPEAKERS FURNISHED AND INSTALLED BY THE AV INSTALLER. ELECTRICAL CONTRACTOR SHALL PROVIDE EMPTY CONDUIT WITH PULLSTRING FROM SPEAKER TO SPEAKER. COORDINATE CONDUIT SIZE WITH THE AV INSTALLER. REFER TO AV412.1. TYPICAL.
- 2 PROVIDE EMPTY CONDUIT WITH PULLSTRING AND ROUTE CONDUIT BACK TO THE AV RACK AT IDF 3035. COORDINATE CONDUIT SIZE WITH THE AV INSTALLER.
- 3 PROVIDE PUSHBUTTON FOR DOOR RELEASE. PROVIDE EMPTY CONDUIT TO DOOR TO BE CONTROLLED. COORDINATE WITH THE ARCHITECT AND OWNER FOR DOORS TO BE CONTROLLED.
- 4 FOR ROOM SCHEDULER, PDS, FURNISHED BY OTHERS. ELECTRICAL CONTRACTOR SHALL PROVIDE EMPTY 3/4" CONDUIT WITH PULLSTRING TO NEAREST ACCESSIBLE LAY-IN CEILING. REFER TO AV412.2. TYPICAL.
- 5 FOR CEILING MOUNTED MICROPHONE. ELECTRICAL CONTRACTOR SHALL PROVIDE EMPTY 3/4" CONDUIT WITH PULLSTRING FOR EACH, TO NEAREST ACCESSIBLE LAY-IN CEILING. REFER TO AV412.1. TYPICAL.



1 SPECIAL SYSTEMS PLAN
1/8" = 1'-0"



HSA Engineering
501 / 327 / 5757 office
515 Locust Avenue
Conway, Arkansas 72034
HSAConsultants.com