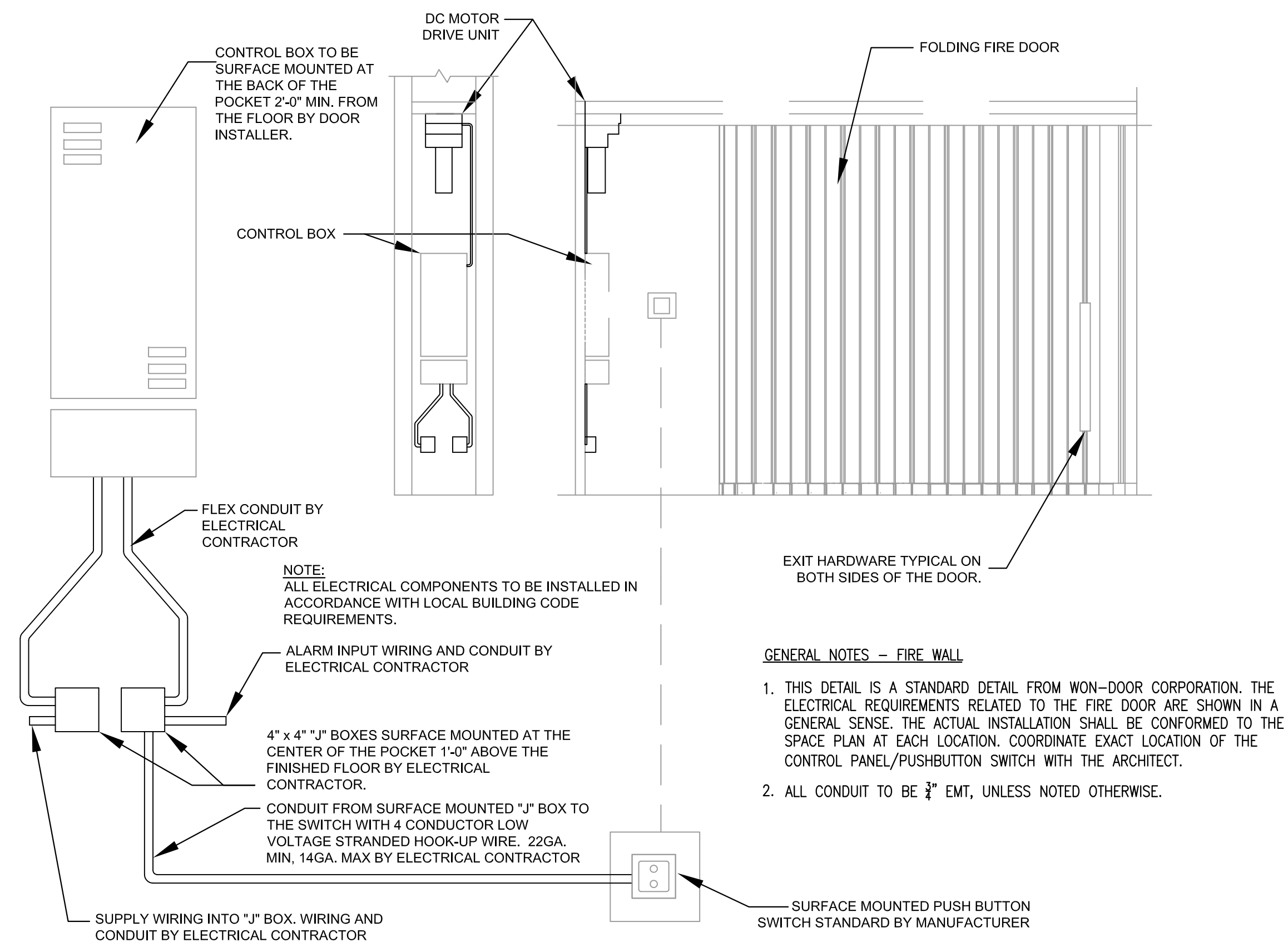


1 PARTIAL FIRE ALARM RISER
E1.001 NOT TO SCALE

FIRE ALARM GENERAL NOTES

- ALL NEW FIRE ALARM DEVICES SHALL BE ADA APPROVED. COORDINATE COLOR WITH ARCHITECT AND BASE BUILDING DEVICES TO MATCH BASE BUILDING SYSTEM MANUFACTURER. PROVIDE ANY ADDITIONAL POWER AMPLIFIERS REQUIRED FOR INSTALLATION OF NEW ADA APPROVED DEVICES.
- ALL FIRE ALARM DEVICES, INCLUDING SPEAKERS, VISUALS, SMOKE DETECTORS, ETC., SHALL BE CONNECTED TO THE BASE BUILDING FIRE ALARM SYSTEM BY A LICENSED FIRE ALARM CONTRACTOR. COORDINATE CONNECTIONS WITH SYSTEM MANUFACTURER.
- ALL DEVICES SHALL BE 110 CANDELA, UNLESS OTHERWISE NOTED.
- THE ENTIRE LENS OF WALL MOUNTED VISUAL FIRE ALARM DEVICES SHALL BE MOUNTED AT LEAST 80" AFF.
- COORDINATE FIRE ALARM SYSTEM SHUTDOWNS AND REPROGRAMMING WITH LANDLORD.
- ALL FIRE ALARM DEVICES SHALL BE WHITE UNLESS OTHERWISE NOTED OR REQUIRED.
- EVACUATION SIGNAL SHALL BE 3 PULSE TEMPORAL.
- THE FIRE ALARM SYSTEM APPLIANCE LAYOUT INDICATED ON SHEETS E1.300E, E1.301E, E1.302W, E1.302E & E1.302W INDICATES NEW DEVICE PLACEMENT REQUIREMENTS FOR THIS TENANT UPFIT. NEW DEVICES SHALL BE INSTALLED INTO THE BASE BUILDING FIRE ALARM SYSTEM. PROVIDE ALL PROGRAMMING REQUIRED TO MAKE THE NEW DEVICES FUNCTIONAL AND ANY PROGRAMMING OR NEW EQUIPMENT REQUIRED TO MAKE ALL OF THE VISIBLE NOTIFICATION APPLIANCES ON THE ENTIRE FLOOR FLASH IN SYNCHRONIZATION.
- ALL FIRE ALARM WORK SHALL BE COMPLETE BY THE BUILDING STANDARD CONTRACTOR, SIMPLEX GRINNELL.



2 WON DOOR - REQUIREMENTS
E1.001 NOT TO SCALE

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance Prescriptive X Performance _____ Energy Cost Budget _____

Provide a standard riser diagram which indicates designated points for check metering. Provide a standard panel schedule description which identifies different enduse loads.

Standard riser diagram is on Sheet - E1.005
Standard panel schedules are on - E1.6xx series sheets

Lighting Schedule

lamp type required in fixture	SEE LIGHTING FIXTURE SCHEDULE
number of lamps in fixture	SEE LIGHTING FIXTURE SCHEDULE
ballast type used in the fixture	SEE LIGHTING FIXTURE SCHEDULE
number of ballasts in fixture	SEE LIGHTING FIXTURE SCHEDULE
total wattage per fixture	SEE LIGHTING FIXTURE SCHEDULE
total interior wattage specified vs. allowed	
Office Occupancy: gross area of 107,393 sq. ft.	
Per 2009 International Energy Conservation Code:	
Allowable	Specified
GROUND LV (1.00 X 1,290 SQFT) = 1,290 WATTS	610 WATTS
1ST FLOOR (1.00 X 52,447 SQFT) = 52,447 WATTS	34,553 WATTS
2ND FLOOR (1.00 X 53,656 SQFT) = 53,656 WATTS	35,846 WATTS
TOTAL ALLOWABLE LOAD = 107,393 WATTS	71,009 WATTS

total exterior wattage specified vs. allowed
NOT APPLICABLE (TENANT FIT-UP)

Equipment schedules with motors (not used for mechanical systems)	
motor horsepower	NONE
number of phases	N/A
minimum efficiency	N/A
motor type	N/A
# of poles	N/A

ELECTRICAL DESIGNER STATEMENT

I hereby certify that the design of this building complies with the mechanical systems, service systems and equipment requirements of the 2009 International Energy Conservation Code.

signed _____ date 08/18/17

Name JAROD HALL

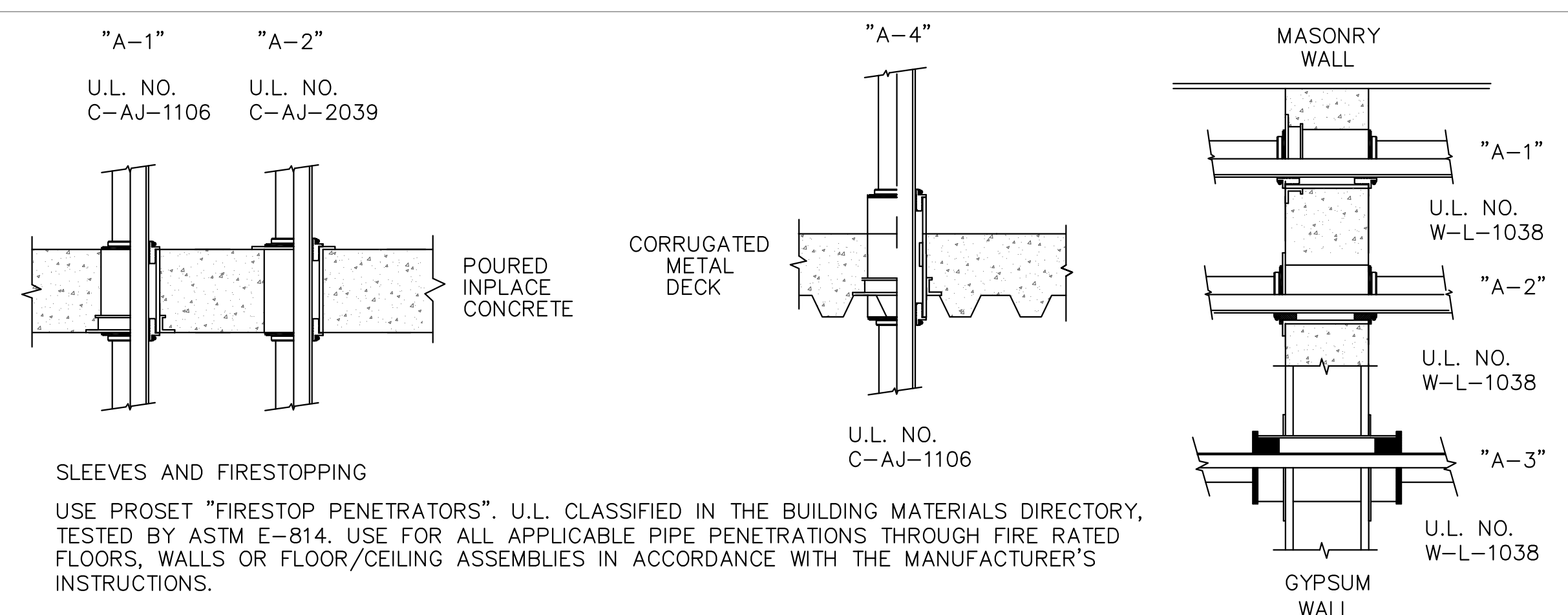
Title Project Engineer

PRICING ALTERNATES:

- THE FOLLOWING SCOPE ITEMS ARE TO BE TRACKED AND IDENTIFIED AS ALTERNATE PRICING ITEMS. REFER TO THE ARCHITECTURAL SHEETS FOR ADDITIONAL INFORMATION.
- PRICING ALTERNATE #1: MEN'S & WOMEN'S CORE RESTROOM UPGRADES. REFER TO FLOOR PLANS FOR AREAS IN QUESTION. ELECTRICALLY THIS WILL INCLUDE NEW LIGHTING, LIGHTING CONTROLS, FIRE ALARM DEVICES, AND REPLACEMENT OF EXISTING OUTLETS.
- PRICING ALTERNATE #2: FINISH UPGRADES AT FOUR EXISTING CORE STAIRWELLS. ELECTRICALLY THIS WILL INCLUDE NEW LIGHTING AND PUTTING THE DOORS ON MAGNETIC DOOR HOLDERS.

ELECTRICAL GENERAL NOTES

- ALL WORK THIS DIVISION SHALL COMPLY WITH ALL LOCAL BUILDING CODES, LAWS, REGULATIONS, ORDINANCES, AND THE REQUIREMENTS OF THE 2014 NATIONAL ELECTRICAL CODE. ALL WORK SHALL COMPLY WITH BASE BUILDING SPECIFICATIONS. OBTAIN A COPY OF SPECIFICATIONS FROM BUILDING MANAGER IF NECESSARY.
- THE CONTRACTOR SHALL KEEP A RECORD OF THE CHANGES WHICH ARE IN CONFLICT WITH THESE DRAWINGS AND SPECIFICATIONS. AT THE COMPLETION OF HIS WORK HE SHALL SUBMIT "AS BUILT" PRINTS TO THE OWNER.
- DRAWINGS ARE GENERALLY DIAGRAMMATIC AND DO NOT NECESSARILY SHOW EVERY FITTING AND DETAIL. ALL WORK SHALL BE INSTALLED SO THAT JUNCTION BOXES AND COMPONENTS WILL BE ACCESSIBLE FOR SERVICE.
- ALL SYSTEMS, EQUIPMENT, COMPONENTS, WORK, ETC. PROVIDED UNDER THIS DIVISION SHALL BE COVERED BY A ONE YEAR GUARANTEE STARTING AT THE TIME OF FINAL ACCEPTANCE OF THE WORK BY THE OWNER. ANY DEFECTS IN THE WORK, SYSTEMS, EQUIPMENT, OR COMPONENTS FOUND DURING THIS YEAR SHALL BE CORRECTED AT NO CHARGE. THE GUARANTEE SHALL INCLUDE PROVIDING ALL NECESSARY CUTTING, PATCHWORK, REPAIRING, ETC. TO MAKE THE WORK COMPLETE AND NEW.
- ALL CONDUIT MUST BE CONCEALED IN THE WALLS OR ABOVE THE CEILING UNLESS OTHERWISE NOTED. MINIMUM CONDUIT SIZE IS 1/2".
- ALL CONDUCTORS SHALL BE COPPER WITH TYPE "THW" OR "THHN" INSULATION AND THE MINIMUM WIRE SIZE SHALL BE #12 A.W.G. WITH A 167 DEGREE TEMPERATURE RATING.
- ALL WORK MUST BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER ACCORDING TO GENERALLY ACCEPTED PRINCIPALS OF FIRST CLASS WORKMANSHIP.
- FASTEN ALL RECESSED LIGHTING FIXTURES TO STRUCTURE OR GRID PER N.E.C. 410.
- RECESSED INCANDESCENT FIXTURES SHALL BE SUPPORTED IN COMPLIANCE WITH N.E.C. 410.
- ALL PENETRATIONS THRU RATED WALLS, FLOORS AND CEILINGS SHALL BE FIRE STOPPED PER N.E.C. 300-21.
- PROVIDE ALL GROUNDING AS REQUIRED BY N.E.C.
- DEVICE MOUNTING HEIGHTS ARE TO BE MEASURED TO THE DEVICE CENTERLINE.
- ALL SWITCHES FOR FANS, LIGHTS, ETC. WHICH ARE SHOWN TO BE MOUNTED IN THE SAME GENERAL AREA SHALL SHARE A MULTI-GANG COVER PLATE AS REQUIRED.
- ALL CONDUIT SHALL BE 1/2" EMT WITH 2#12, 1#120 AWG CONDUCTORS UNLESS OTHERWISE NOTED.
- PROVIDE #12AWG GND. FOR ALL MECHANICAL EQUIPMENT UNLESS SHOWN OTHERWISE. ALL EQUIPMENT SHALL BE GROUNDED AT THE PANEL WHICH FEEDS THE EQUIPMENT.
- COORDINATE RECEPTACLE NEMA TYPE AND VOLTAGE WITH COPIERS AND EQUIPMENT.
- PROVIDE A NEW DIRECTORY FOR ALL PANELS. CORRECTLY LABEL ALL CIRCUITS, SPARES AND SPACES IN ACCORDANCE WITH NEC 408-4.
- PROVIDE A SEPARATE GREEN, INSULATED, #12AWG EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE BRANCH CIRCUIT HOMERUN CONDUCTORS.
- WHERE WORK BY THE GENERAL CONTRACTOR (WALL REMOVAL, NEW OR RELOCATED WALL OPENING, ETC.) RESULTS IN THE REMOVAL, RELOCATION OF REFEEDING OF ELECTRICAL DEVICES OR LIGHTING FIXTURES, THE ELEC. CONTRACTOR SHALL DISCONNECT OR RECONNECT AS REQUIRED ALL ACTIVE DEVICES REMAINING ON THAT CIRCUIT SYSTEM.
- DEVICE BOXES IN RATED WALLS SHALL MEET STANDARD BUILDING CODE SECTION 706.4.
- ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABEL LISTED BY A MAINE APPROVED THIRD PARTY TESTING AGENCY.
- DEDICATED RECEPTACLES TO RECEIVE VISUAL DESIGNATION.
- OUTLET BOX SHALL NOT BE MOUNTED BACK TO BACK.
- BLANK FACEPLATES ARE NOT ALLOWED, U.N.O. ANY EXISTING OUTLET OR TELE/DATA LOCATION NOT USED OR SHOWN WITHIN THE SCOPE OF WORK IN THESE PLANS SHOULD BE REMOVED, PATCHED, AND REPAIRED.
- MULTI-WIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS PER N.E.C. 210.4(B).
- MULTI-WIRE BRANCH CIRCUITS SUPPLYING POWER TO PERMANENTLY CONNECTED FREESTANDING PARTITIONS SHALL BE PROVIDED WITH A MEANS TO DISCONNECT SIMULTANEOUSLY ALL UNGROUNDED CONDUCTORS AT THE PANEL BOARD WHERE THE BRANCH CIRCUIT ORIGINATES PER NEC 605.6.
- ARC-FLASH HAZARD WARNING SHALL BE PROVIDED ON ALL EQUIPMENT IN AFFECTED ELECTRICAL ROOMS PER NEC 110.16.
- PROVIDE PLASTIC NAMEPLATE ON ALL PANELS (NEW AND EXISTING) INDICATING PANEL NAME AND SOURCE PER NEC 408.4(B).
- ALL WIRING TERMINATIONS ARE ASSUMED TO BE 75DEG C RATED, UNLESS NOTED OTHERWISE. ALL WIRING UNDER 100A IS BASED ON A 60DEG C TERMINATION.



FIRESTOP PENETRATOR DETAILS

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	ON CENTER MTG. HT.
	CONCEALED CONDUIT IN CEILING OR WALL	
	CONCEALED CONDUIT IN FLOOR OR UNDERGROUND	
	CIRCUIT HOMERUN TO PANEL; EACH ARROWHEAD = 1 CIRCUIT	
	NO. OF CONDUCTORS IN CONDUIT; EACH CROSSHATCH = 1 WIRE	
	FLEXIBLE CONDUIT OR S.O. CORD	
	EXPOSED CONDUIT	
	CONDUIT STUBBED UP OR TURNED DOWN	
	PLYWOOD BACKBOARD	
	SURFACE MOUNTED RACEWAY	
	MULTI OUTLET SURFACE MOUNTED RACEWAY	
	WALL MOUNTED SINGLE RECEPTACLE OUTLET	18"
	WALL MOUNTED DUPLEX RECEPTACLE OUTLET	18"
	WALL MOUNTED G.F.C.I. DUPLEX RECEPTACLE OUTLET - ABOVE COUNTER	AS REQUIRED
	WALL MOUNTED G.F.C.I. DUPLEX RECEPTACLE OUTLET - ABOVE COUNTER	AS REQUIRED
	WALL MOUNTED ISOLATED GROUND DUPLEX RECEPTACLE OUTLET	18"
	WALL MOUNTED DOUBLE DUPLEX RECEPTACLE OUTLET	18"
	WALL MOUNTED SPECIAL RECEPTACLE OUTLET	18"
	WALL MOUNTED USB DUPLEX RECEPTACLE OUTLET	
	JUNCTION BOX	
	POKE-THRU DEVICES WITH POWER AND TELE/DATA PER PLANS (SEE DRAWINGS FOR MODEL#)	
	POKE-THRU DEVICES WITH QUAD RECEPT & TELE/DATA OUTLETS (SEE DRAWINGS FOR MODEL#)	
	POKE-THRU DEVICES WITH DUPLEX RECEPT & TELE/DATA/AV OUTLETS (SEE DRAWINGS FOR MODEL#)	
	POKE-THRU DEVICE TO MODULAR FURNITURE	
	JUNCTION BOX FOR POWER CONNECTION TO MODULAR FURNITURE. COORD. EXACT LOCATION WITH ARCH. PROVIDE ALL REQ. CONNECTIONS (THE # OF WORKSTATIONS TO BE POWERED ARE DENOTED BY A NUMBER NEXT TO THE POWER JUNCTION)	18"
	JUNCTION BOX FOR TELE/DATA CONNECTION TO MODULAR FURN. COORD. EXACT LOCATION WITH ARCH. PROVIDE 1-1/4" EMPTY CONDUIT WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING.	18"
	PROVIDE AND INSTALL JUNCTION BOX ABOVE CEILING TO SUPPLY POWER WHICH SHALL SUPPLY EACH WORKSTATION WITH TWO (2) DUPLEX AND ONE (1) VOICE DATA. POWER POLE TO BE SUPPLIED BY TENANT AND INSTALLED BY E.C. (THE # OF WORKSTATIONS TO BE POWERED ARE DENOTED BY A NUMBER NEXT TO THE POWER POLE)	
	RAISED FLOOR FEED TO MODULAR FURNITURE	
	277/480 VOLT PANELBOARD	
	120/208 VOLT PANELBOARD	
	RECESSED MOUNTED 120/208 VOLT PANELBOARD TRANSFORMER	
	JUNCTION BOX FOR TV. PROVIDE JUNCTION BOX WITH 3/4" CONDUIT TO ABOVE CEILING.	
	JUNCTION BOX FOR AV. LOW-VOLTAGE WIRING BY OTHERS. PROVIDE JUNCTION BOX WITH CONDUIT AS REQUIRED TO ABOVE CEILING.	
	JUNCTION BOX FOR CARD READER. PROVIDE JUNCTION BOX WITH 3/4" CONDUIT TO ABOVE CEILING.	42"
	WALL MOUNTED COMBINATION DATA/VOICE OUTLET. PROVIDE JUNCTION BOX WITH 3/4" CONDUIT TO ABOVE CEILING.	18"
	WALL MOUNTED VOICE OUTLET. PROVIDE JUNCTION BOX WITH 3/4" CONDUIT TO ABOVE CEILING.	18"
	WALL MOUNTED DATA OUTLET. PROVIDE JUNCTION BOX WITH 3/4" CONDUIT TO ABOVE CEILING.	18"
	DOMO CAMERA (PROVIDED BY SECURITY CONTRACTOR)	
	WIRELESS ACCESS POINT, CEILING MOUNTED (BY OTHERS)	
	SPEAKER LOCATION (BY OTHERS)	
REFER TO SHEET E1.004 FOR LIGHTING CONTROL SYMBOLS		
	MOTOR RATED TOGGLE SWITCH	AS REQ'D.
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH	
	DISCONNECT SWITCH (FRAME/POLES/FUSE-IF REQUIRED)	
	MOTOR - NUMBER INDICATES HORSEPOWER (F=FRACTIONAL)	
	FIRE ALARM ADA APPROVED VISUAL ALARM - WALL MOUNTED	80" A.F.F.
	FIRE ALARM ADA APPROVED VISUAL ALARM - CEILING MOUNTED	
	FIRE ALARM ADA APPROVED AUDIO/VISUAL ALARM - WALL MOUNTED	80" A.F.F.
	FIRE ALARM ADA APPROVED AUDIO/VISUAL ALARM - CEILING MOUNTED	
	FIRE ALARM PULL STATION	
	SMOKE DETECTOR - CEILING MOUNTED	48" A.F.F.
	DUCT MOUNTED SMOKE DETECTOR	
	MAGNETIC DOOR HOLD DEVICE TO INTERLOCK WITH FIRE ALARM SYSTEM	
	EXIT SIGN - CEILING, WALL, MT.	
	LIGHT FIXTURE ON EMERGENCY CIRCUIT	
	FLOUORESCENT LIGHT FIXTURE	
	FURNISHED BY OTHERS	
	ABOVE FINISHED FLOOR/ABOVE FINISHED GRADE	
	BELOW CEILING	
	ABOVE COUNTER	
	WEATHER PROOF	
	EXISTING/RELOCATED/NEW	
	GROUND FAULT INTERRUPTING CIRCUIT	
	EMPTY CONDUIT (PROVIDE PULLSTRING IN ALL EMPTY CONDUIT)	
	FUSE PER MANUFACTURER'S RECOMMENDATION	
	ISOLATED GROUND	

- NOTES:
1. COORDINATE LOCATION AND SPECIFIC MOUNTING HEIGHT WITH ARCHITECT.
2. MOUNTING HEIGHTS SHALL BE AS INDICATED IN THE LEGEND UNLESS OTHERWISE NOTED ON THE PLANS.

