PROVIDE (2) 1" CONDUITS FROM COMMUNICATION COMPARTMENTS RUNNING UP (IN THE WALL WHERE APPLICABLE) AND TERMINATE AS FOLLOWS – IN ROOMS WITH SUSPENDED ACCESSIBLE CEILINGS – STUB UP BOTH CONDUITS 6" ABOVE THE FINISHED ACCESSIBLE CEILING, FURNISH WIT 90" ELBOWS AND BUSHINGS; ON THE CORRIDOR SUSPENDED CEILINGS; ON 4TH FLOOR – EXTEND BOTH CONDUITS TOWARDS CORRIDOR, STUB OUT BOTH CONDUITS 6" INTO THE CORRIDOR SUSPENDED CEILINGS, FURNISH WITH 90" ELBOWS AND BUSHINGS. ON OTHER FLOORS – REFER TO INDIVIDUAL NOTES ON DRAWINGS. PROVIDE PULL WIRES IN ALL CONDUITS. INSTALLATION OF COMMUNICATION CABLES – N.I.C.

SAME AS NOTE 1 EXCEPT RECEPTACLES SHALL BE GFI TYPE.

RELOCATE EXISTING DEVICE AS INDICATED AND EXTEND WIRING TO NEW LOCATION. MAINTAIN/RESTORE CONTINUITY OF EXISTING BRANCH/LOOP WIRING TO REMAINING EXISTING DEVICES. MAKE POWER CONNECTION TO FUME HOOD JUNCTION BOX.

EXACT LOCATION AND MOUNTING HEIGHT FOR BIO-SAFETY CABINET RECEPTACLE SHALL BE COORDINATED IN FIELD.

SAME AS NOTE 1 EXCEPT RECEPTACLES SHALL BE INSTALLED 24" O.C.

"uc" DENOTES UNDER COUNTER RECEPTACLE, FOR MOUNTING HEIGHT AND EXACT LOCATION REFER TO ARCHITECTURAL ELEVAT DEDICATED OUTLET FOR REFRIGERATOR. "EMERGENCY POWER OFF" BUTTON. PROVIDE CONTACTOR WITH POWER RESTORE BUTTON ADJACENT TO PANEL "EPPS".

WALL SPACE RESERVED FOR FUTURE 120/208V, 3ø, 4W DISTRIBUTION TYPE PANEL.

WALL SPACE RESERVED FOR FUTURE 150 KVA OR 75 KVA TRANSFORMER.

WALL SPACE ABOVE THE DOOR RESERVED FOR FUTURE 30 KVA TRANSFORMER.

WALL SPACE RESERVED FOR FUTURE 120/208V, 3ø, 4W EMERGENCY PANEL. SPACE RESERVED FOR FUTURE WALL-MOUNTED 120/208V, 3¢, 4W DISTRIBUTION PANEL AND 150KVA OR 75KVA TRANSFORMER.

ALUMINUM TWO-COMPARTMENT POWER/COMMUNICATION POLE, BENCH-TO-CEILING, OR FLOOR-TO-CEILING HEIGHT, TERMINATED IN 4" SQUARE J-BOX WITH EXTENSION RING AND DIVIDER, FINISH- BY ARCHITECT. INSTALL (4) 120V 1 PHASE DUPLEX RECEPTACLES, WIRED ALTERNATELY. EXTEND 1" CONDUIT WITH PULL WIRE FROM COMMUNICATION COMPARTMENT TOWARDS THE CORRIDOR ON 4TH FLOOR; EXTEND 1" EMT 6" UP ABOVE THE POLE ON OTHER FLOORS, AND TERMINATE WITH BUSHING. PROVIDE COMMUNICATION DEVICES — QUANTITY/TYPE SHALL BE COORDINATED WITH THE OWNER. RUN POWER AND DATA CONDUITS VIA DEDICATED VERTICAL CHASE, REFER TO ARCHITECTURAL DETAILS. (2)—1"CONDUSHALL BE EXTENDED AS DESCRIBED BY NOTE 1. PROVIDE ONE-GANG AND TWO-GANG "IN-LINE" TYPE OUTLET BOXES AS REQICOMMUNICATION (DATA/VOICE) OUTLETS. PROVIDE 120V POWER AT DOOR 180A ON FIRST FLOOR (NOT SHOWN ON ELECTRICAL DRAWINGS, BUT INDICATED IN ARCHITECTURAL SET) FOR DOOR CARD READER. PROVIDE WIRING FROM SPARE 20A/1PC.B. IN EXISTING PANEL PP1 LOCATED IN ELECTRICAL ROOM ON 1ST FLOOR. TERMINATE AT CEILING FOR FUTURE OWNER'S USE.

PROVIDE POWER DOOR CARD READER. CARD READER AND WIRING — N.I.C.

INSTALL POWER WIRING AND COMMUNICATION CONDUITS CONCEALED WITHIN WALLS OR COLUMN ENCLOSURES.

PROVIDE WIRING TO DISHWASHER IN LIQUID—TIGHT FLEX CONDUIT. PROVIDE EXTERNAL TVSS DEVICE FOR EXISTING PANEL, RETROFIT AS REQUIRED. PROVIDE DEDICATED NEUTRAL WITH EACH CONDUCTOR SUPPLYING POWER TO COMPUTER LOADS. EXTEND IN THE WALL AND STUB-UP 6" ABOVE THE FINISHED CEILING, FURNISH WITH 90" ELBOW PROVIDE (2) 4-GANG BOXES FOR FOR COMMUNICATION WIRING AND (1) 2-GANG BOX FOR POWER WIRNG, COORDINATE LOCATIONS OF IN FIELD. PROVIDE POWER AND COMMUNICATION CONNECTIONS TO ELECTRIFIED FURNITURE, IN FLEX CONDUIT.

EXTEND 1" EMT WITH PULL WIRE FROM EACH OF COMMUNICATION J-BOXES UP AND TERMINATE WITH BUSHING AT 8'-0" A.F.F.

WIRING TO EXISTING PANEL: CIRCUIT NUMBERS OF SPARE CIRCUIT BREAKERS ARE GIVEN TO REFERENCE ONLY. COORDINATED AVAILABLE BREAKERS IN FIELD. "ER" DENOTES TYPICAL EXISTING DEVICE WITH ASSOCIATED WIRING TO REMAIN. LABEL PROPERLY AND PROTECT FROM DAMAGE DURING CONSTRUCTION. DEVICE AND WRING SHALL BE EXAMINED AND REPAIRED IF REQUIRED.

FLUSH FLOOR DEVICE: PROVIDE POKE—THRU UNIT WITH TWO DUPLEX RECEPTACLES AND TWO COMMUNICATION DEVICES AS INDICATED.

3/4"C.-3#12, 3#10 NEUTRALS, 2#12 GND. ALUMINUM POWER POLE, BENCH-TO-CEILING HEIGHT, TERMINATED IN 4" SQUARE J-BOX WITH EXTENSION RING AND DIVIDER, FINISH BY ARCHITECT. INSTALL (6) 120V 1 PHASE DUPLEX RECEPTACLES: TWO SHALL BE INSTALLED AT THE TOP (APPROX. 8'-0" A.F.F.) AND WIRED TO TWO DEDICATED CIRCUITS — FOR PLUGGING OF TWO BIO SAFETY CABINETS, REMAINING FOUR RECEPTACLES SHALL BE INSTALLED ABOVE THE BENCH AND WIRED ALTERNATELY TO REMAINING CIRCUITS. PROVIDE DUPLEX RECEPTACLES 18"O.C. (NOT SHOWN ON PLAN) AND WIRE THEM ALTERNATELY. PROVIDE QUANTITY OF COMMUNICATION OUTLET BOXES AS INDICATED ON PLAN. AT EACH COMMUNICATION OUTLET BOX LOCA INSTALL 4—PORT DATA/VOICE OUTLET. COORDINATE WITH THE OWNER THE EXACT OUTLET AND PLATE CONFIGURATIONS. WIRE TO 30A/3P CIRCUIT BREAKER. PROVIDE 1/2"C., 2#10 & 1#10G. POWER FEED.

WIRE TO 30A/1P CIRCUIT BREAKER. PROVIDE 1/2"C., 2#10 & 1#10G. POWER FEED.

DEDICATED OUTLET FOR UNDER COUNTER MILLI—Q ULTRA PURE WATER PURIFICATION SYSTEM. ALUMINUM TWO-COMPARTMENT POWER/COMMUNICATION POLE, FLOOR-TO-CEILING-HEIGHT TO ACCOMMODATE INSTALI COMMUNICATION WIRING TO ELECTRIFIED FURNITURE. EXTEND (2)-1" EMT 6" UP ABOVE THE POLE AND TERMINATE V SURFACE MOUNTED NON-METALLIC THREE-COMPARTMENT RACEWAY (ONE COMPARTMENT FOR POWER WIRING, ONE FOR COMMUNICATION SYSTEMS' WIRING, AND ONE FOR FUTURE USE), HUBBELL BASETRAK PB3BC OR EQUAL. FURNISH WITH ALL REQUIRED FITTINGS AND ACCESSORIES. RACEWAY SHALL BE "OFFICE WHITE" COLOR, SAMPLE SHALL BE SUBMITTED WITH SHOP DRAWINGS FOR APPROVAL BY ARCHITECT. FOR MOUNTING HEIGHT AND EXACT LENGTH OF RACEWAY SECTIONS REFER TO RESPECTIVE ARCHITECTURAL ELEVATION DETAILS. EXTEND 3/4" EMT WITH PULL WIRE UP AND TERMINATE WITH "c" DENOTES ABOVE COUNTER INSTALLATION. FOR GROUP MOUNTED DEVICES DETAIL REFER TO DETAIL ON DWG. E7.01. WIRED VIA THREE-POSITION CONTROL SWITCH, EXACT LOCATIONS TO BE VERIFIED IN FIELD. E" DENOTES "EMERGENCY RECEPTACLE". PROVIDE RED DEVICE/NYLON COVERPLATE. SUPPLEMENT WITH ENGRAVED ROVIDE NEW 20a/1P CIRCUIT BREAKER(S) IN EXISTING PANEL "PP41". ROVIDE DEDICATED OUTLET FOR MICROWAVE. COORDINATE MOUNTING HE AREA IDENTIFIED AS "N.I.C." - INSTALL RESPECTIVE ROOM PANEL IN CORRIDOR AND ELECTRICAL ROOM, AND ROUGH-IN ALL POWER AND HING CIRCUITS TERMINATED IN PULL BOX AT CEILING. ALSO, INSTALL TEMPORARY LIGHTING CONSISTING OF (8) EXISTING CHAIN-MOUNTED DUSTRIAL STRIPS REMOVED ON OTHER FLOORS, WALL-MOUNTED LIGHTING SWITCH AND ASSOCIATED WIRING IN EACH OF IDENTIFIED LABS. ING AT 8'-0" A.F.F. ARCHITECTURAL ELEVATIONS. LATION OF DUF 2ND 4TH "EMERGENCY POWER" LABEL LATION OF POWER AND WITH BUSHINGS. FLOOR: AND 5TH FLOOR: ITS FROM EACH RACEWAY ND TERMINATE AS FOLLOWS: SIBLE CEILING, FURNISH WITH DINATED AVAILABLE MC CABLE CAN BE USED FOR POWER AND LIGHTING SYSTEMS' BRANCH WIRING (BUT NOT FOR HOMERUMS) IN ROOMS WITHOUT SUSPENDED CEILINGS WHERE WIRING IS NOT SUBJECT TO DAMAGE. MC CABLE IS NOT ALLOWED BELOW 8 FEET ABOVE FINISHED FLOOR. DO NOT USE MC CABLE IN EXPOSED LOCATIONS SERVER ROOM - ENLARGED PLAN scale: 1/4" = 1'-0" WIRING METHODS: ER ER ER ► EPPS-12
NOTE 42
- EPPS-23
- EPPS-14
NOTE 42
- EPPS-9,11
NOTE 42
- EPPS-16
NOTE 42
- EPPS-20
NOTE 42
- EPPS-20
NOTE 42
- EPPS-21
- EPPS-21 EPPS-18 NOTE 42 30AS ,1P ACU 8 EXISTINO (ER) Every attempt has been made to use existing sleeves and penetrations through the existing slabs for all new MEP work. Due to the nature of the structural design of this floor slab, Drilling, Coring, or Cutting of this slab is strictly forbidden, without the approval of the Architect and Structural Engineer of Record (SER), at SMMA. In the event that Coring is required, it will be the responsibility of the GC and his MEP Subcontractors to seek approval from SMMA prior to performing any and Coring or Drilling. R DR POWER PLAN

SCALE: 1/8" = 1'-0" NOTE 44 PP22-2,4 NOTE 24 UNIVERSITY OF
SOUTHERN MAINE
70 FALMOUTH STREET RESEARCH WING PHASE III FIT-OUT 1000 Massachusetts Avenue Cambridge, Massachusetts 02138 617.547.5400 Fax 617.354.5758

ISSUED FOR CONSTI

SECOND FLOOR POWER PLAN

DRAWN BY
CHECKED BY
PROJ. ARCH. / ENGR.
PROJ. MGR. AS NOTED

SAI

R. SD

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XEE ASSOCIATES, INC. 200