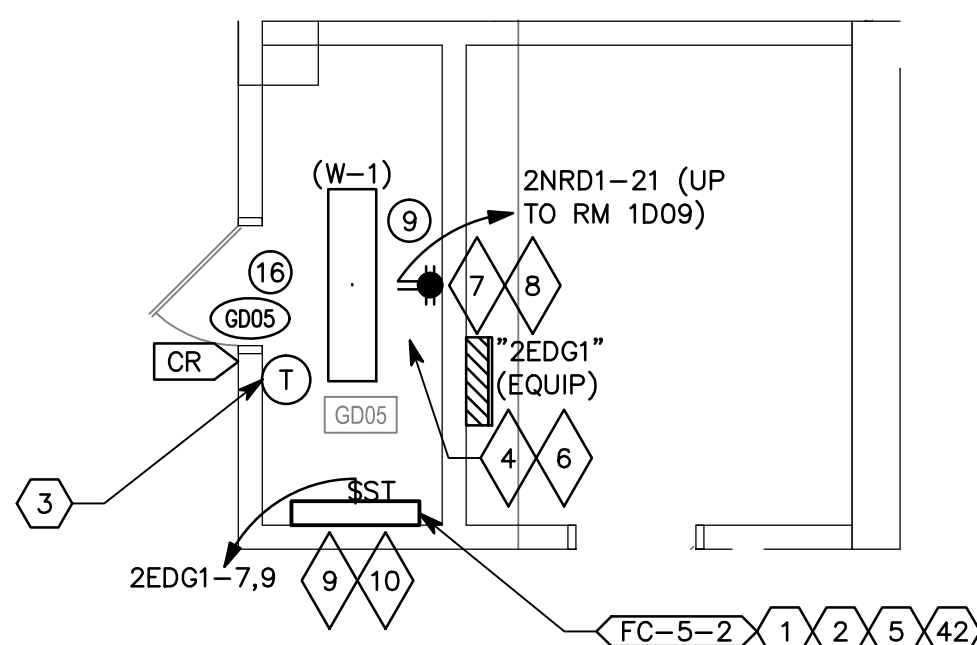


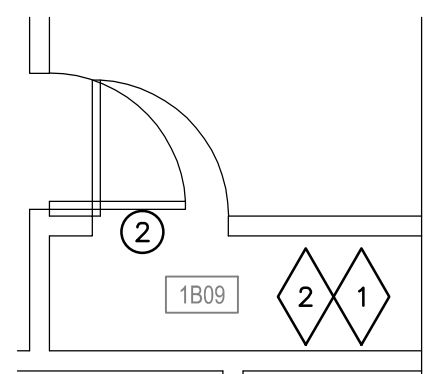
B1

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



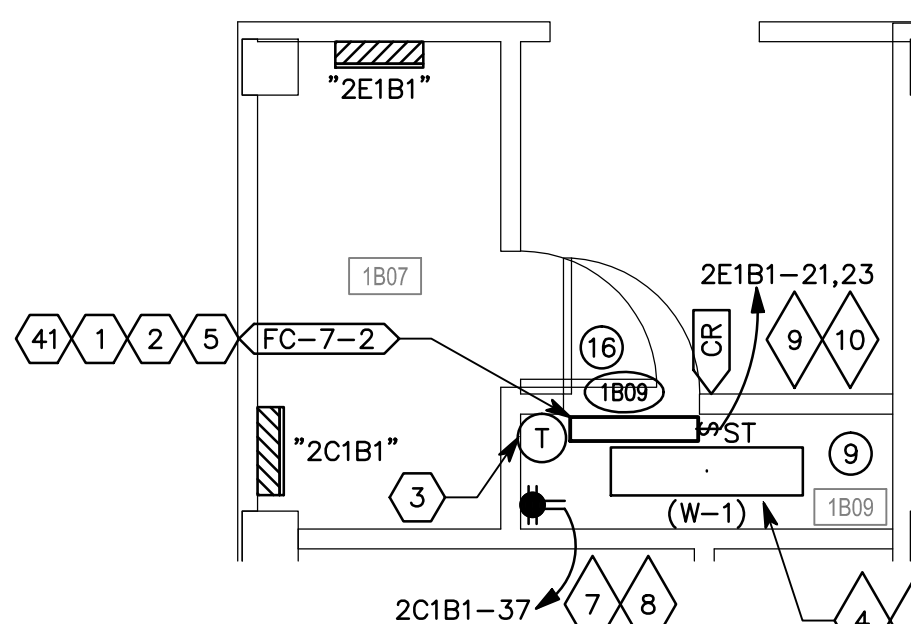
①C1

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



E1

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



F1

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

(B3)

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

C3

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

E3

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

F3

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

# ELECTRICAL KEYNOTES

1. REMOVE EXISTING LIGHT FIXTURE AND EXISTING LIGHT SWITCH. PROVIDE NEW CONDUCTORS AND JUNCTION BOXES. SHALL REMAIN IN-PLACE AND OPERATIONAL. EXISTING LIGHT FIXTURE AND SWITCH SHALL BE REPLACED AND AN INTERCONNECTING CIRCUITRY SHALL BE PROVIDED. REFER TO ILLUSTRATED NEW WORK DRAWINGS.
2. REMOVE EXISTING UPS UNIT. RETURN FUNCTIONAL UPS UNITS TO THE VENDOR. DISPOSE OF ALL NON-FUNCTIONAL UPS UNITS USING PROPER METHODS.
3. EXISTING EMERGENCY OUTLET SHALL REMAIN.
4. PROVIDE NEW LIGHT FIXTURE PER LIGHT FIXTURE SCHEDULE AS DETAILED. RECONNECT EXISTING CIRCUIT TO NEW LIGHT FIXTURE. PROVIDE AND INSTALL A 20 AMPERE DUAL TECHNOLOGY OCCUPANCY SENSOR/LIGHT SWITCH COMBO TO CONTROL THE LIGHTING.
5. PROVIDE LIGHT FIXTURE PER LIGHT FIXTURE SCHEDULE. EXTEND NEW CRITICAL POWER CIRCUIT BEING PULLED BY AMPERE, NOOB STYLE BOLTED CIRCUIT BREAKER TO A 20 AMPERE DUAL TECHNOLOGY OCCUPANCY SENSOR/LIGHT SWITCH COMBO TO CONTROL THE LIGHTING.
6. PROVIDE UPS UNIT, APC-SMT2200R (RACK MOUNTED) OR APC-SMT2200R (STANDING). PROVIDE A MINIMUM OF 10" BY 10" IN SIZE AND CAN HOLD A MINIMUM 125 LBS. SUBMIT SHELF TO VA AND GET APPROVAL. INSTALL ON SHELVING UNIT AND SECURE UPS UNIT WITH WALL. RECONNECT EXISTING CIRCUIT TO NEW UPS UNIT. DISCONNECT REMOVED/DISCONNECTED ITEM KEYNOTE 2.
7. PROVIDE A FOUR-1/2" HOSPITAL RED RECEPTACLE(S), HOSPITAL GRADE W/ STAINLESS STEEL ENGRAVED PLATE, FLUSH MOUNTED, WITH CRUIT NUMBER AND DESIGN. PROVIDE AN ENGRAVED NAME PLATE. MATCH EXISTING VA REQUIRE TO APPROPRIATE NEW INSTALLATION.
8. PROVIDE A NEW SQUARE D, SINGLE PHASE, 20 AMPERE, NOOB STYLE BOLTED CIRCUIT BREAKER FOR NEW CIRCUIT. GENERATE AND REPRINT NEW COMPL. GENERATED, TYPED/WRITTEN PANEL OF DIRECTORY SCHEDULE WITH THE UPD CIRCUITRY INFORMATION.
9. PROVIDE A NEW SQUARE D, SINGLE 20 AMPERE, NOOB STYLE BOLTED CIRCUIT BREAKER FOR NEW CIRCUIT. GENERATE AND REPRINT NEW COMPL. GENERATED, TYPED/WRITTEN PANEL OF DIRECTORY SCHEDULE WITH THE UPD CIRCUITRY INFORMATION.
10. PROVIDE A 20 AMP THERMAL SWITCH RATED FOR MECHANICAL EQUIPMENT.
11. PROVIDE WATER SENSOR UNDERNEATH RAISED FLOOR, TO BE CONNECTED TO THE BUILDING BY EXISTING BUILDING MANAGEMENT SYSTEM.
12. PROVIDE EMERGENCY SHUT OFF SWITCH FOR ALL IT POWER. LOCATE SWITCH PLAIN SIGN BY EXIT. PROVIDE PLAS CARD PROTECTOR FOR SHUT OFF SWITCH.
13. PROVIDE ADEQUATE RUP SHIELD OVER ALL IT EQUIPMENT.
14. PROVIDE PLASTIC COVER TO PROTECT SHUT OFF SWITCH.
15. PROVIDE NEW 120/208V 3P, 100A SQUARE D PANEL WITH 24 SPARE 2" AIR POLE BREAKER, PULL POWER FROM 4B6K2. PROVIDE A 100A, 3 P BREAKER FOR CIRCUITS 20-22. PROVIDE 4B6K2 EXISTING CIRCUITRY UNFED FROM 4B6K2-20.2.2.2 TO NEW PANEL. AC081-24.6.2.6 USE EXISTING CONDUIT. RE-PULL NEW CONDUCTOR TO MATCH EXISTING AND PROVIDE NEW CIRCUIT BREAKER TO MATCH EXISTING FOR AIR HANDLER UNIT RE-WIRING.
16. PROVIDE A NEW SQUARE D, 3 PHASE, 20 AMPERE, NOOB STYLE BOLTED CIRCUIT BREAKER FOR NEW CIRCUIT. GENERATE AND REPRINT NEW COMPUTER GENERATED, TYPED/WRITTEN PANEL OF DIRECTORY SCHEDULE WITH THE UPD CIRCUITRY INFORMATION. PROVIDE A 3 PHASE, NEMA 3P DISCONNECT AT
17. PROVIDE NEW 120/208V 3P, 100A SQUARE D PANEL WITH 24 SPARE 2" AIR POLE BREAKER, PULL POWER FROM THREE LEAST CRITICAL CIRCUIT THAT YOU CAN RE-FEED FROM YOUR NEW 100A. COORDINATE WITH LAB PERSONNEL AND COTR. RE-PULL NEW CONDUCTORS; CONDUIT AND PROVIDE NEW CIRCUIT BREAKER TO MATCH EXISTING FOR RE-WIRING.

3. REMOVE EXISTING UPS UNIT. RETURN ALL FUNCTIONAL UPS UNITS TO THE VA. DISCONNECT ALL EXISTING UPS UNITS USING PROPER METHODS.
4. EXISTING EMERGENCY OUTLET SHALL REMAIN.
5. PROVIDE NEW LIGHT FIXTURE PER LIGHT FIXTURE SCHEDULE AS DETAILED. RECONNECT EXISTING CIRCUIT TO POWER NEW LIGHT FIXTURE. PROVIDE AND INSTALL ALL DUAL END OF LINE OCCUPANCY SENSOR/LIGHT SWITCH COMBO TO CONTROL THE LIGHTING.
6. PROVIDE LIGHT FIXTURE PER LIGHT FIXTURE SCHEDULE AS DETAILED. CRITICAL POWER CIRCUIT BEING PULLED IN TO POWER NEW IT OUTLET. PROVIDE AND INSTALL ALL DUAL END OF LINE OCCUPANCY SENSOR/LIGHT SWITCH COMBO TO CONTROL THE LIGHTING.
7. PROVIDE UPS UNIT, APC-SMT2200R2U (RACK MOUNTED) OR APC-SMT2200. PROVIDE WALL MOUNTED SHELF FOR UPS. THERE SHALL BE A MINIMUM OF 10" BY 24" IN SIZE AND CAN HOLD A MINIMUM OF 125 LBS. SUBMIT SELF TO VA AND OIG FOR DISAPPROVAL. INSTALL UPS ON SHELVING UNIT AND SECURE UPS TO SHELF AND WALL. RECONNECT EXISTING IT EQUIPMENT REMOVED/DISCONNECTED TO NEW UPS UNIT.
8. PROVIDE A FOUR-PLEX RED, 1/2" REINFORCED (E.G.S), HOSPITAL GRADE WITH STAINLESS STEEL ENGRAVED PLATE, FLUSH MOUNTED, WITH CIRCUIT NUMBER AND DISAPPROVAL. INSTALL UPS ON THE NAME PLATE. PATCH EXISTING WALL AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
9. PROVIDE A NEW SQUARE D, SINGLE POLE 20 AMPERE, NON STYLE BOLTED CIRCUIT BREAKER FOR NEW CIRCUIT. GENERATE AND REPRINT NEW COMPUTER GENERATED, TYPEWRITTEN PANEL CIRCUIT DIRECTORY SCHEDULE WITH THE UPDATE CIRCUITRY INFORMATION.
10. PROVIDE A NEW SQUARE D, SINGLE POLE 20 AMPERE, NON STYLE BOLTED CIRCUIT BREAKER FOR NEW CIRCUIT. GENERATE AND REPRINT NEW COMPUTER GENERATED, TYPEWRITTEN PANEL CIRCUIT DIRECTORY SCHEDULE WITH THE UPDATE CIRCUITRY INFORMATION.
11. PROVIDE A 20 AMP THERMAL SWITCH RATED FOR MECHANICAL EQUIPMENT.
12. PROVIDE EMERGENCY FLOOR SENSORS UNDERNATH RAISED FLOOR TO BE USED TO DETECT AND CONTROLLED BY EXISTING BUILDING MANAGEMENT SYSTEM.
13. PROVIDE EMERGENCY SHUT OFF SWITCH FOR ALL IT POWER. LOCATE SWITCH IN CLOSE BY EXISTING EMERGENCY SHUT OFF PROTECTOR FOR SHUT OFF SWITCH.
14. PROVIDE ADEQUATE DRIP SHIELD OVER ALL IT EQUIPMENT.
15. PROVIDE PLASTIC COVER TO PROTECT E SHUT OFF SWITCH.
16. PROVIDE NEW 120/208V 3A, 100A SQUARE D PANEL WITH 24 SPARE 20 AMP 1 POLE BREAKER. PULL POWER FROM EXISTING 120/208V 3A, 100A CIRCUIT BREAKER FOR CIRCUITS 20,22,24. RELOCATE EXISTING AIR HANDLER UNIT FROM 120/208V 3A, 100A CIRCUIT BREAKER NEW PANEL 4CG81-2.4,6 USE EXISTING CONDUIT. RE-PULL NEW CONDUCTORS TO NEW PANEL. RE-CONNECT AND PROVIDE NEW CIRCUIT BREAKER TO MATCH EXISTING FOR AIR HANDLER UNIT RE-WIRING.
17. PROVIDE A NEW SQUARE D, 3 PHASE, 20 AMPERE, NON STYLE BOLTED CIRCUIT BREAKER FOR NEW CIRCUIT. GENERATE AND REPRINT NEW COMPUTER GENERATED, TYPEWRITTEN PANEL CIRCUIT DIRECTORY SCHEDULE WITH THE UPDATE CIRCUITRY INFORMATION. PROVIDE A 30 3 PHASE, NEMA 3R DISCONNECT AT CU
18. PROVIDE NEW 120/208V 3A, 100A SQUARE D PANEL WITH 24 SPARE 20A SINGLE POLE BREAKER. PULL POWER FROM EXISTING 120/208V 3A, 100A CIRCUIT BREAKER FOR CIRCUITS 20,22,24 THAT YOU CAN RE-FEED FROM WITH CIRCUITS YOU CAN CO-ORDINATE WITH LAB AND CO-ORDINATE WITH NEW PULL NEW CONDUCTORS; CONDUIT TO PROVIDE A NEW CIRCUIT BREAKER TO MATCH EXISTING FOR AIR HANDLER UNIT RE-WIRING.



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