



GENERAL NOTES

- A. FINAL CONNECTION TO ALL MECHANICAL EQUIPMENT SHALL BE FLEXIBLE. CONFIRM FINAL CIRCUIT BREAKER AND WIRE SIZE WITH MECHANICAL EQUIPMENT SHOP DRAWINGS. ADJUST CIRCUIT BREAKER AND WIRE SIZE AS REQUIRED WITHOUT ADDITIONAL COST TO CITY.
- B. INSTALL COMMUNICATIONS CONDUIT WITH NO MORE THAN TWO (2) 90° BENDS BETWEEN PULL BOXES AND NO MORE THAN 30m (100'-0") BETWEEN PULL BOXES. PULL BOXES SHALL BE INSTALLED FOR STRAIGHT THRU PULLS ONLY.
- C. ALL COMMUNICATIONS CABLES SHALL BE INSTALLED IN CONDUIT, CABLE TRAY, OR SUPPORTED BY CABLE HOOKS. PROVIDE BUSHINGS AT THE ENDS OF ALL CONDUIT WHERE STUBBED ABOVE ACCESSIBLE CEILING OR WHERE DROPPED INTO CABLE TRAY. PROVIDE CABLE HOOKS ABOVE ACCESSIBLE CEILING FOR CABLE INSTALLATION WHERE NOT INSTALLED IN CONDUIT OR CABLE TRAY.
- D. ELECTRICAL SUBCONTRACTOR SHALL COORDINATE QUANTITIES AND LOCATIONS OF ALL SWITCHES AND VALVES REQUIRING WIRING WITH SPRINKLER CONTRACTOR.
- E. PROVIDE VERIFICATION OF FIRE ALARM SYSTEM.
- F. REFER TO FIRE ALARM RISER AND ZONE SCHEDULE FOR INITIATING ZONES AND SIGNAL CIRCUITS.
- G. HEAT DETECTORS WITHIN CRAWLSPACE SHALL BE NON-ADDRESSABLE MOISTURE PROOF TYPE.
- H. ALL PAGING SPEAKERS SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE.

KEY NOTES

- 1. REMOTE VOLUME CONTROL FOR MULTI-PURPOSE ROOM VOLUME CONTROL. OVERRIDE. PROVIDE 4-PLX RECEPTACLES FOR COMMUNICATIONS RACK POWER REQUIREMENTS. MOUNT RECEPTACLES WITHIN COMMUNICATIONS RACK.
- 2. WINDOW CONTACTS FOR OPERABLE WINDOWS. CONFIRM TOTAL QUANTITY REQUIRED WITH GC. COORDINATE INSTALLATION WITH GC TO ENSURE CONTACTS CAN BE INSTALLED. CONTACTS MAY REQUIRE INSTALLATION DURING WINDOW PRODUCTION.
- 3. DOOR CONTACTS FOR AUTOMATED SLIDING DOORS. CONFIRM TOTAL QUANTITY REQUIRED WITH GC. COORDINATE INSTALLATION WITH GC TO ENSURE CONTACTS CAN BE INSTALLED. CONTACTS MAY REQUIRE INSTALLATION DURING DOOR CONSTRUCTION. INCLUDE ADDITIONAL CONTACTS AS REQUIRED FOR DOOR "BREAKAWAY".
- 4. WIRE AND CONNECT SLIDING DOOR OPERATORS INCLUDING ASSOCIATED CONTROLS CW MOTION SENSOR CONTROLS. CONFIRM REQUIREMENTS WITH GC AND DOOR OPERATOR EQUIPMENT SHOP DRAWINGS.
- 5. DOOR OPERATORS SHALL BE SEQUENCED TO OPERATE IN UNISON CW TIME DELAY BETWEEN DOORS. ELECTRICAL CONTRACTOR SHALL COORDINATE THESE REQUIREMENTS WITH GC, AND PROVIDE ALL NECESSARY WIRING FOR CONTROLS AS REQUIRED.
- 6. INTRUSION ALARM ARMING STATION CW KEYPAD, CARD READER AND ENCLOSURE. PROVIDE A WEATHERPROOF UV RESISTANT TRANSPARENT POLYCARBONATE ENCLOSURE CW KEYED ACCESS TO HOUSE INTRUSION ALARM PROXIMITY READER. PROVIDE A VANDAL RESISTANT POLYCARBONATE COVER CW INTEGRAL ALARM FOR FIRE ALARM MANUAL STATION WITHIN PUBLIC AREAS ONLY.
- 7. WIRE AND CONNECT AUTOMATED PLUMBING LOW VOLTAGE TRANSFORMER AS SUPPLIED BY MECHANICAL. CONFIRM LOCATION AND QUANTITY OF TRANSFORMERS WITH MECHANICAL. LOW VOLTAGE WIRING BY MECHANICAL.
- 8. WIRE AND CONNECT MOTORIZED BLINDS CW ASSOCIATED CONTROLS. CONFIRM NUMBER OF CONNECTION POINTS, CONTROL POINTS, AND BRANCH CIRCUITS REQUIRED ON SITE WITH GC. COORDINATE METHOD OF WIRING ON SITE WITH GC AND ARCHITECTURAL DETAILS.
- 9. WIRE AND CONNECT FIREPLACE CW ASSOCIATED CONTROLS. CONFIRM REQUIREMENTS WITH GC AND FIREPLACE SHOP DRAWINGS. REFER TO SEPARATE PRICES.
- 10. CONFIRM LOCATION OF FLOOR RECEPTACLE ON SITE WITH OWNER AND ARCHITECT.
- 11. MTS & SHAW BROADBAND OUTLET CW ONE (1) R66 COAXIAL CABLE AND TWO (2) CAT6 CABLES. ALL CABLING SHALL BE PROVIDED AND TERMINATED BY ELECTRICAL CONTRACTOR AND RUN BACK TO DEMARCATION POINTS.
- 12. MTS & SHAW DEMARCATION POINT RECEPTACLE.
- 13. DATA ROOM SHALL BE CW MINIMUM 19MM (3/4") G18 PAINTED PLYWOOD BACKBOARD FLOOR TO CEILING HEIGHT ON THREE (3) WALLS FOR MOUNTING OF SYSTEMS CABLING AND UTILITIES CABLING. COORDINATE WITH GC.
- 14. RECEPTACLE FOR VIDEO DISPLAY SCREEN. CONFIRM LOCATION ON SITE WITH ARCHITECT AND OWNER.
- 15. SELF-CHECKOUT STATION.
- 16. CEILING MOUNTED PROJECTOR. CONFIRM EXACT LOCATION ON SITE WITH ARCHITECT AND OWNER. REFER TO MULTI-PURPOSE ROOM PROJECTOR RISER DETAIL FOR FURTHER REQUIREMENTS.
- 17. CEILING PROJECTOR WALL PLATE. REFER TO MULTI-PURPOSE ROOM PROJECTOR RISER DETAIL FOR FURTHER REQUIREMENTS.
- 18. PROVIDE TOGGLE SWITCH ON/OFF CONTROL FOR EXTERIOR MAINTENANCE RECEPTACLES. SWITCH SHALL BE LOCATED ADJACENT PANEL SUPPLYING CIRCUIT TO RECEPTACLE. PROVIDE LAMACOID LABEL FOR IDENTIFICATION INCLUDING CIRCUIT NUMBER.
- 19. WIRE AND CONNECT BARRIER FREE DOOR OPERATORS CW ASSOCIATED WIRING AND CONTROLS. CONFIRM REQUIREMENT WITH GC AND DOOR OPERATOR EQUIPMENT SHOP DRAWINGS.
- 20. EMERGENCY CALL SYSTEM DOME LIGHT. REFER TO EMERGENCY CALL SYSTEM RISER DIAGRAM.
- 21. RECEPTACLE MOUNTED IN ACCESSIBLE CEILING SPACE. REFER TO EMERGENCY CALL SYSTEM RISER DIAGRAM.
- 22. EMERGENCY CALL SYSTEM PULLSTATION. REFER TO EMERGENCY CALL SYSTEM RISER DIAGRAM.
- 23. PAGING SPEAKERS WITHIN MAIN LIBRARY AND MULTI-PURPOSE SHALL BE SURFACE MOUNTED.
- 24. WIRE AND CONNECT DRINKING FOUNTAIN.
- 25. WIRE AND CONNECT BARRIER FREE DOOR OPERATORS CW ELECTRIC LOCK CW ELECTRIC STRIKE CW ASSOCIATED WIRING AND CONTROLS. CONFIRM REQUIREMENT WITH GC AND DOOR OPERATOR EQUIPMENT SHOP DRAWINGS.
- 26. MOUNTED ON CEILING.
- 27. RECEPTACLE AND DATA FA FOR CASH REGISTER AND DEBIT MACHINE.
- 28. REFER TO ARCHITECTURAL DETAILS FOR INSTALLATION OF DOOR OPERATORS, FIRE ALARM AND INTRUSION ALARM SYSTEM DEVICES THIS LOCATION.
- 29. PROVIDE SURFACE MOUNTING KIT. REFER TO ARCHITECTURAL DETAILS.
- 30. WIRE AND CONNECT MOTORIZED PROJECTOR SCREEN CW ASSOCIATED CONTROLS. COORDINATE REQUIREMENTS WITH EQUIPMENT SHOP DRAWINGS PRIOR TO ROUGH-IN. GANG SWITCH WITH PA SYSTEM VOLUME CONTROL OVERRIDE.
- 31. PROVIDE INTRUSION ALARM HORN IN STORAGE ROOM CEILING SPACE.
- 32. PROVIDE INTRUSION ALARM HORN WITHIN ACCESSIBLE CEILING SPACE ABOVE RECEPTION. CONFIRM LOCATION ON SITE WITH ALL TRADES PRIOR TO INSTALLATION.
- 33. WIRE AND CONNECT DDC CONTROL PANEL AS SUPPLIED BY MECHANICAL. COORDINATE FINAL LOCATION WITH MECHANICAL CONTRACTOR.
- 34. PROVIDE DATA DROPS FOR DDC SYSTEM. CONFIRM REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- 35. PROVIDE DUPLEX RECEPTACLE FOR WATER SOFTENER. CONFIRM REQUIREMENTS WITH MECHANICAL.
- 36. PROVIDE INTRUSION ALARM HORN IN M&E ROOM AT HIGH LEVEL. CONFIRM LOCATION ON SITE WITH ALL TRADES PRIOR TO INSTALLATION.

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SCALE
 As Indicated

main floor - power
 & systems
EP2.1

1 MAIN FLOOR PLAN - POWER
 EP2.1 SCALE: 1/8" = 1'-0"

