1. All symbols shown dashed are existing electrical devices to be removed or noted. All symbols shown solid light line are existing electrical devices to remain. Existing electrical devices which are to remain shall be extended to be flush with new finish on existing walls where required.

2. All existing electrical devices in a wall that is to be removed; electrical contractor shall disconnect power, cut off conductors and cap conduit in floor or ceiling as required. Devices are to be removed along with wall by general contractor unless otherwise noted.

3. All existing electrical devices to be removed from walls which are to remain; electrical contractor shall disconnect power, remove conductors, remove device and provide blank coverplates as required. Unless otherwise noted.

4. For a portion of a circuit which is removed or abandoned, re-establish circuit continuity for the portion of the circuit which is to remain.

5. All existing conduits, raceways and wiring routed in existing walls and ceiling spaces (which are to be demolished) which serve other areas shall be rerouted as required.

6. All existing lighting fixtures that are to be reinstalled shall be repaired, (as required) cleaned and relamped before reinstallation.

7. All existing lighting fixtures that are noted to be reinstalled which are not reinstalled shall be returned to the owner.

8. Provide and install supports for existing cables and conduits above ceiling that are currently unsupported in all areas where ceiling is being removed.

General Demolition Notes:

- Existing medical alarm panel to remain. All existing wiring from medical gas alarms to this panel shall be protected. It is the intent of this project to provide new wiring from all existing devices/alarms/manifolds to a new panel at the main desk.
- Existing general alarm panel. All alarm functions on this panel shall either be removed or relocated. Refer to the list below for additional information:

  a. Front door, stairwell C, stairwell 1, stairwell 3: Disconnect existing alarm wiring and protect for reconnection to a new owner provided Aiphone access control system.
  b. Phone temperature: Disconnect existing alarm wiring and coil above ceiling. A future project shall be responsible for removal of all conduit and wiring.
  c. Person down lab blood draw room 1777: Disconnect existing alarm wiring and protect for connection to the existing Rauland nurse call system.
  d. Laboratory platelet rotator: Disconnect existing alarm wiring and remove back to its source. This alarm shall be decommissioned by the owner.

- Existing Rauland V nurse call code blue station, serving the sleep lab and radiology areas.
- Existing Notifier fire alarm annunciator and monitor to remain. Cover and protect during construction activities.
- Existing CCTV video monitor and head-end. Disconnect all wiring and protect for reconnection to a new owner provided Aiphone access control system.
- Existing Cummins Onan generator annunciator panel. Disconnect and remove annunciator and protect for relocation. Protect existing wiring for reconnection to new annunciator location.
- Disconnect existing dedicated emergency analog telephone line and protect for reconnection to new analog telephone location.
REFER TO SHEET E3.1 FOR AN ENLARGED PLAN OF THIS AREA

RAULAND RESPONDER V NURSE CALL HEAD END PANEL

THREE (3) 2" UNDERGROUND CONDUITS FROM HOSPITAL TO ENGINEERING BUILDING FOR MEDICAL GAS ALARM WIRING

ROUTE CONDUIT TO MEDICAL GAS ALARMS THROUGH ENGINEERING BUILDING

FIRE AND SMOKE BARRIERS ARE SHOWN ON THIS PLAN FOR REFERENCE. REFER TO THE LIFE SAFETY PLANS FOR ADDITIONAL INFORMATION.

LEGEND:

DATE: PROJECT #: DRAWN BY: CHECKED BY:

ISSUE FOR BID - 01/30/20

SCALE: 1/16"=1'-0" LEVEL 1 ELECTRICAL NEW WORK PLAN

N 3 2 1 0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000
REFER TO SHEET E3.2 FOR AN ENLARGED PLAN OF THIS AREA.

FIRE AND SMOKE BARRIERS ARE SHOWN ON THIS PLAN FOR REFERENCE. REFER TO THE LIFE SAFETY PLANS FOR ADDITIONAL INFORMATION.

1. 2 HOUR FIRE BARRIER
2. 1 HOUR FIRE BARRIER
3. SMOKE BARRIER

LEGEND:

SCALE: 1/16"=1'-0"

LEVEL 2 ELECTRICAL NEW WORK PLAN

E1.2
REFER TO SHEET E3.3 FOR AN ENLARGED PLAN OF THIS AREA.

FIRE AND SMOKE BARRIERS ARE SHOWN ON THIS PLAN FOR REFERENCE. REFER TO THE LIFE SAFETY PLAN FOR ADDITIONAL INFORMATION.

1. 2 HOUR FIRE BARRIER
2. 1 HOUR FIRE BARRIER
3. SMOKE BARRIER

LEGEND:
1. 2 HOUR FIRE BARRIER
2. 1 HOUR FIRE BARRIER
3. SMOKE BARRIER
4. AIR EXHAUST
5. AIR INTAKE

SCALE: 3/32"=1'-0"
KEYED NOTES:

1. ACCESSIBLE JUNCTION BOX ABOVE THE CEILING TO RELOCATE THE NEW PANELS BACK TO FLEXIBILITY TO MOVE BACK TO THE EXISTING CONTROL ROOM SHOULD THE NEED ARISE.

2. MINFOLD OXYGEN

3. BACKBOX: OFOI

4. SMART BOX: OFOI

5. HOSPITAL ROOM 2073 - CO2 MANIFOLD

6. ENDOSCOPY - CO2 + NO MANIFOLDS

7. SUB-STERILE 2273 - CO2 MANIFOLD

8. McCOY - MEDICAL AIR COMPRESSOR

9. MECHANICAL 1184 - OXYGEN RESERVE MANIFOLD

10. MECH. ROOM 1056 - AMICO AIR MEDICAL AIR COMPRESSOR

11. ELECTRICAL ROOM 1025 - OXYGEN BULK TANK PRESSURE SWITCH

12. ELECTRICAL ROOM 1025 - NITROGEN PRESSURE SWITCH

13. MAIN FLOOR - MAIN HOSPITAL VACUUM PUMP

14. MAIN FLOOR - MAIN HOSPITAL OXYGEN PRESSURE SWITCH

15. MAIN FLOOR - MAIN HOSPITAL NITROGEN PRESSURE SWITCH

16. MAINFOLD OXYGEN

17. MAINFOLD NITROGEN

18. MECH. ROOM 3000 - MEDICAL VACUUM PUMP

19. MECH. ROOM 2000 - MEDICAL AIR COMPRESSOR

20. MCOS - MEDICAL VACUUM PUMP + MEDICAL AIR COMPRESSOR

21. MCOS - OXYGEN, NITROGEN, NO MANIFOLDS

22. ENDOSCOPY - CO2 + NO MANIFOLDS

23. SUB-STERILE 2273 - CO2 MANIFOLD

24. MAIN FLOOR - MAIN HOSPITAL VACUUM PUMP

25. MAIN FLOOR - MAIN HOSPITAL OXYGEN PRESSURE SWITCH

26. MAIN FLOOR - MAIN HOSPITAL NITROGEN PRESSURE SWITCH

27. MECH. ROOM 3000 - MEDICAL VACUUM PUMP

28. MECH. ROOM 2000 - MEDICAL AIR COMPRESSOR

29. MCOS - MEDICAL VACUUM PUMP + MEDICAL AIR COMPRESSOR

30. MCOS - OXYGEN, NITROGEN, NO MANIFOLDS

31. ENDOSCOPY - CO2 + NO MANIFOLDS

32. SUB-STERILE 2273 - CO2 MANIFOLD

33. MAINFOLD OXYGEN

34. MAINFOLD NITROGEN

35. MECH. ROOM 3000 - MEDICAL VACUUM PUMP

36. MECH. ROOM 2000 - MEDICAL AIR COMPRESSOR

37. MCOS - MEDICAL VACUUM PUMP + MEDICAL AIR COMPRESSOR

38. MCOS - OXYGEN, NITROGEN, NO MANIFOLDS

39. ENDOSCOPY - CO2 + NO MANIFOLDS

40. SUB-STERILE 2273 - CO2 MANIFOLD

41. MAINFOLD OXYGEN

42. MAINFOLD NITROGEN

43. MECH. ROOM 3000 - MEDICAL VACUUM PUMP

44. MECH. ROOM 2000 - MEDICAL AIR COMPRESSOR

45. MCOS - MEDICAL VACUUM PUMP + MEDICAL AIR COMPRESSOR

46. MCOS - OXYGEN, NITROGEN, NO MANIFOLDS

47. ENDOSCOPY - CO2 + NO MANIFOLDS

48. SUB-STERILE 2273 - CO2 MANIFOLD

49. MAINFOLD OXYGEN

50. MAINFOLD NITROGEN

51. MECH. ROOM 3000 - MEDICAL VACUUM PUMP

52. MECH. ROOM 2000 - MEDICAL AIR COMPRESSOR

53. MCOS - MEDICAL VACUUM PUMP + MEDICAL AIR COMPRESSOR

54. MCOS - OXYGEN, NITROGEN, NO MANIFOLDS
Provide new 2/C#14, twisted shielded wiring, in 3/4" EMT (conduit out to the nearest accessible ceiling), from each of the following existing medical gas alarms to the new panel location. Except for when transitioning from underground to above ground or at the end of a spool, wires shall not be spliced. Coordinate all final terminations and shutdowns with the engineering staff prior to construction activities.

- Sub-sterile 2273 - CO2 manifold
- Medical gas manifold 2126B - CO2 manifold
- Medical gas manifold 2126B - N2 manifold
- Mech. room M2000 - Beacon Medaes life life medical air compressor
- MCOS Bldg. - Oxygen manifold
- MCOS Bldg. - N2 manifold
- MCOS Bldg. - CO2 manifold

Existing MCOS building medical gas area alarm panel. Replace existing panel with new Beacon Medaes total alert infinity panel. Cut and patch drywall as needed to accommodate new panel. Paint to match adjacent wall.

Existing MCOS building generator annunciator panel. No work required.

Existing endoscopy medical gas area alarm panel. No work required.

New soffit and conduit for medical gas wiring to penthouse of MCOS building. Paint new soffit to match existing wall. Patch and paint all disturbed areas to match existing walls. Confirm final paint color and finish with owner prior to commencement of activities.

Keyed Notes:
1. Refer to sheet E1.1, E1.2, E1.3, and E1.4 for proposed conduit routing to the new area alarm panel and existing engineering building master alarm panel.

General Notes:
Provide new 2/C#14, twisted shielded wiring, in 3/4" EMT (conduit out to the nearest accessible ceiling), from each of the following existing medical gas alarms to the new area alarm panel location. Except for when transitioning from underground to above ground or at the end of a spool, wires shall not be spliced. Coordinate all final terminations and shut downs with the engineering staff prior to construction activities.

- MECH. ROOM M3000 - BEACON MEDAES MEDICAL VACUUM PUMP
- MCOS BLDG. - MEDICAL AIR COMPRESSOR
- MCOS BLDG. - MEDICAL VACUUM PUMP

New soffit and conduit for medical gas wiring to penthouse of MCOS building. Paint new soffit to match existing walls. Patch and paint all disturbed areas to match existing walls. Confirm final paint color and finish with owner prior to commencement of activities.

Keyed Notes:
1. Refer to Sheet E1.1, E1.2, E1.3, and E1.4 for proposed conduit routing to the new area alarm panel and existing engineering building master alarm panel.

General Notes:
- Prepare work in a manner to avoid damage to existing finished interiors.
- Coordinate final terminations with the engineering staff prior to construction activities.

Date: Issue for Bid - 01/30/20
Project #: 1000 Clark Avenue, Saint Louis, Missouri 63102

McClure Engineering
Professional Engineering Corporation
Missouri State Certificate of Authority #000087

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