REFER TO ELECTRICAL SHEETS ED101 AND E101 FOR ELECTRICAL SCOPE IN THIS AREA.

REFER TO ELECTRICAL SHEET E102 FOR ELECTRICAL SCOPE IN THIS AREA.

EXISTING BUILDING FIRE ALARM CONTROL PANEL.

REFER TO ELECTRICAL SHEETS ED103 AND E103 FOR ELECTRICAL SCOPE IN THIS AREA.

REFER TO ELECTRICAL SHEET E103 FOR ELECTRICAL SCOPE IN THIS AREA.
1. DEMOLITION PLAN INDICATES A DESIRED SCOPE OF WORK; THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IN FIELD PRIOR TO START OF WORK.

2. CONDITIONS MAY EXIST WHERE (E) CABLING AND/OR EQUIPMENT IS INSTALLED WITHIN AN AREA OF DEMOLITION THAT IS INTENDED TO REMAIN IN ORDER TO KEEP SYSTEMS OUTSIDE OF THE AREA OF DEMOLITION IN OPERABLE CONDITION. CONTRACTOR SHALL PROVIDE APPROPRIATE PROTECTION AND EXERCISE CARE WHEN PERFORMING DEMOLITION AROUND SUCH CABLING AND EQUIPMENT.

3. ALL SYSTEMS LOCATED OUTSIDE THE AREA OF DEMOLITION ARE INTENDED TO REMAIN OPERABLE.

4. FOR ALL ITEMS TO BE DEMOLISHED REMOVE CIRCUIT BACK TO POINT OF CONNECTION. MAKE BRANCH CIRCUIT WITH REMAINING DEVICES CONTINUOUS.

5. ELECTRICAL CONTRACTOR SHALL REMOVE ALL DEMOLISHED ITEMS FROM SITE UNLESS OWNER WISHES TO RETAIN. ITEMS REMOVED FROM SITE SHALL BE DISPOSED OF IN A LEGAL MANNER.

6. EVERY ATTEMPT WAS MADE TO LOCATE ALL ITEMS TO BE INCLUDED IN THE DEMOLITION SCOPE IN THIS OCCUPIED SPACE. ELECTRICAL CONTRACTOR SHALL PROVIDE A REASONABLE ALLOWANCE TO INCLUDE THE REMOVAL OF ITEMS NOT INDICATED ON THE ELECTRICAL DEMOLITION PLAN.
1. Disconnect and remove surface mounted raceway, surface mounted conduit and surface mounted receptacle.

2. Disconnect and remove surface mounted receptacles.

**Flag Notes:**

- Demolition Notes:
  1. Demolition plan indicates a desired scope of work; the contractor shall be responsible to verify in field prior to start of work.
  2. Conditions may exist where (E) cabling and/or equipment is installed within an area of demolition that is intended to remain in order to keep systems outside of the area of demolition in operable condition. Contractor shall provide appropriate protection and exercise care when performing demolition around such cabling and equipment.
  3. All systems located outside the area of demolition are intended to remain operable.
  4. For all items to be demolished remove circuit back to point of connection. Make branch circuit with remaining devices continuous.
  5. Electrical contractor shall remove all demolished items from site unless owner wishes to retain. Items removed from site shall be disposed of in a legal manner.
  6. Every attempt was made to locate all items to be included in the demolition scope in this occupied space. Electrical contractor shall provide a reasonable allowance to include the removal of items not indicated on the electrical demolition plan.

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**Office Electrical Demolition Plan**

**Commonwealth Health Services Suite Remodels**

University of Colorado Anschutz Medical Campus

Project No. 9818.01

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Scale: As Noted

Drawn by: Architectural Workshop, Denver Colorado

Checked by: TBD

Initial Date: 09/01/2023

Architectural Workshop

303.278.3820
www.bgbuildingworks.com

Office and Primary Care Electrical Demolition Plan
1. The numbers next to electrical items indicate the circuit number that branch circuit shall occupy in panel "1E" unless noted otherwise.

2. For each communication device and television, provide a 4" x 4" recessed junction box with a single gang mud ring. From the junction box, route 1" EMT conduit into the crawl space below. Provide a bushing on the exposed end of the conduit.

3. All new power, communication, and lighting branch circuits shall be routed down new/existing walls into the crawl space below unless noted otherwise due to limited ceiling access in the space and routed in the crawl space.

4. All new fire alarm cabling shall be routed in new soffits being created to install fire sprinkler lines. From the soffit, provide surface mounted conduit and boxes as required to serve new fire alarm detection and notification appliances.

5. It is acceptable to install surface mounted devices on existing walls, since most existing walls are block. From these surface mounted devices, provide surface mounted conduit down into the crawl space for routing of branch circuit to other devices or panelboards.

NOTES:

1. Provide NEMA 6-15 receptacle for the relocated water steam sterilizer. Verify plug configuration prior to rough-in.

2. Existing receptacle to remain.

3. Provide 120-volt power connection to the door opener controller.

4. This automatic door opener is to be priced as alternate #2.

5. Provide a surface mounted junction box for the installation of the door opener pushbutton (installation of the push button by others). From the junction box, route 3/4" EMT conduit up the finished structure to above ceiling elevation and into the building interior to the door opener controller.

6. Provide GreenGate #WBSD-010DEC-C1 (0-10 VOLT) dimmer for control of dental suite lighting.

7. Provide a junction box at #44" for control of dental scanner controls. Route 3/4" EMT conduit from the junction box to the dental scanner for control of the scanner. Verify the exact location of the junction box and location of the conduit for control of the scanner.

8. Dental scanner location.

9. Existing fire alarm notification appliance to remain.
1. THIS AUTOMATIC DOOR OPENER IS TO BE PRICED AS ALTERNATE #2.

2. PROVIDE SURFACE MOUNTED WATERPROOF JUNCTION BOX FOR INSTALLATION OF DOOR OPENER PUSHBUTTON (INSTALLATION OF PUSH BUTTON BY OTHERS). FROM JUNCTION BOX ROUTE 3/4" EMT CONDUIT UP MULLION TO ABOVE CEILING ELEVATION AND INTO TO BUILDING INTERIOR TO DOOR OPENER CONTROLLER.

3. PROVIDE 120-VOLT POWER CONNECTION TO DOOR OPENER CONTROLLER.

4. PROVIDE SURFACE MOUNTED JUNCTION BOX FOR INSTALLATION OF DOOR OPENER PUSHBUTTON (INSTALLATION OF PUSH BUTTON BY OTHERS). FROM JUNCTION BOX ROUTE 3/4" EMT CONDUIT UP FINISHED STRUCTURE TO ABOVE CEILING ELEVATION AND INTO TO BUILDING INTERIOR TO DOOR OPENER CONTROLLER.

The numbers next to electrical items indicate the circuit number that branch circuit shall occupy in panel "1G" unless noted otherwise.

For each communication device and television provide a 4"x4" recessed junction box with single gang mud ring. From junction box route 1" EMT conduit into crawl space below. Provide bushing on exposed end of conduit.

All new power, communication and lighting branch circuits shall be routed down new/existing walls into crawl space below unless noted otherwise due to limited ceiling access in space and routed in crawl space.

All new fire alarm cabling shall be routed in new soffits being created to install fire sprinkler lines. From soffit provide surface mounted conduit and boxes as required to serve new fire alarm detection and notification appliances.

It is acceptable to install surface mounted devices on existing walls since most existing walls are block. From these surface mounted devices provide surface mounted conduit down into crawl space for routing of branch circuit to other device or panelboard.
1. PROVIDE WIREMOLD #G-4000B (BASE) WITH WIREMOLD #G4000C (COVER) AND WIREMOLD #G4000D (DIVIDER) IN LENGTH AS INDICATED ON DRAWINGS. SURFACE MOUNTED RACEWAY AT +18".

2. EXISTING FIRE ALARM NOTIFICATION APPLIANCE TO REMAIN.

3. EXISTING RECEPTACLE TO REMAIN.

4. PROVIDE SURFACE MOUNTED JUNCTION BOX FOR INSTALLATION OF DOOR OPENER PUSHBUTTON (INSTALLATION OF PUSH BUTTON BY OTHERS). FROM JUNCTION BOX ROUTE 3/4" EMT CONDUIT UP FINISHED STRUCTURE TO ABOVE CEILING ELEVATION AND INTO BUILDING INTERIOR TO DOOR OPENER CONTROLLER.

5. PROVIDE 120-VOLT POWER CONNECTION TO DOOR OPENER CONTROLLER.

6. THIS AUTOMATIC DOOR OPENER IS TO BE PRICED AS ALTERNATE #2.

7. PROVIDE WIREMOLD #G4010DFO (DIVIDED ENTRANCE END FITTING) FOR POWER AND COMMUNICATION TO SURFACE MOUNTED RACEWAY. ROUTE 1" EMT CONDUIT FROM COMMUNICATION COMPARTMENT OF SURFACE MOUNTED CONDUIT INTO CRAWL SPACE AND PROVIDE BUSHING ON EXPOSED END OF COMMUNICATION CONDUIT IN CRAWL SPACE. FROM POWER COMPARTMENT OF SURFACE MOUNTED RACEWAY ROUTE 3/4" EMT CONDUIT INTO CRAWL SPACE AND ROUTE IN CRAWL SPACE TO INDICATED PANEL AND THEN UP TO PANEL. PROVIDE WIREMOLD #G4010B (BLANK END) ON OPPOSITE END OF SURFACE MOUNTED RACEWAY.

8. PROVIDE WIREMOLD #G4047BS (TWO-GANG OVERLAMPPING COVER DUPLEX AND SERIES II MINI ADAPTOR). INSTALL SPECIFIED RECEPTACLE IN COVER AND CIRCUIT AS INDICATED.

2. FOR EACH COMMUNICATION DEVICE AND TELEVISION PROVIDE A 4"x4" RECESSED JUNCTION BOX WITH SINGLE GANG MUD RING. FROM JUNCTION BOX ROUTE 1" EMT CONDUIT INTO CRAWL SPACE BELOW. PROVIDE BUSHING ON EXPOSED END OF CONDUIT.

3. ALL NEW POWER, COMMUNICATION AND LIGHTING BRANCH CIRCUITS SHALL BE ROUTED DOWN NEW / EXISTING WALLS INTO CRAWL SPACE BELOW UNLESS NOTED OTHERWISE DUE TO LIMITED CEILING ACCESS IN SPACE AND ROUTED IN CRAWL SPACE.

4. ALL NEW FIRE ALARM CABLING SHALL BE ROUTED IN NEW SOFFITS BEING CREATED TO INSTALL FIRE SPRINKLER LINES. FROM SOFFIT PROVIDE SURFACE MOUNTED CONDUIT AND BOXES AS REQUIRED TO SERVE NEW FIRE ALARM DETECTION AND NOTIFICATION APPLIANCES.

5. IT IS ACCEPTABLE TO INSTALL SURFACE MOUNTED DEVICES ON EXISTING WALLS SINCE MOST EXISTING WALLS ARE BLOCK. FROM THESE SURFACE MOUNTED DEVICES PROVIDE SURFACE MOUNTED CONDUIT DOWN INTO CRAWL SPACE FOR ROUTING OF BRANCH CIRCUIT TO OTHER DEVICE OR PANELBOARD.
Panel "1F" Load Summary

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<th>NEC Building Load Summary</th>
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Panel "1G" Load Summary

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Panel "1E" Load Summary

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1. Sensible to complete the additional room electrical service panel and panel "1F" to determine if the additional load is within NEC limits.
2. Any checked item shall be performed to comply with NEC 200.87.
3. Metersing will be performed for 30 days to confirm that sufficient capacity exists in the existing distribution board "NDP-1".
4. It is suggested to perform three metering sessions to evaluate the overall capacity and needs of the project.