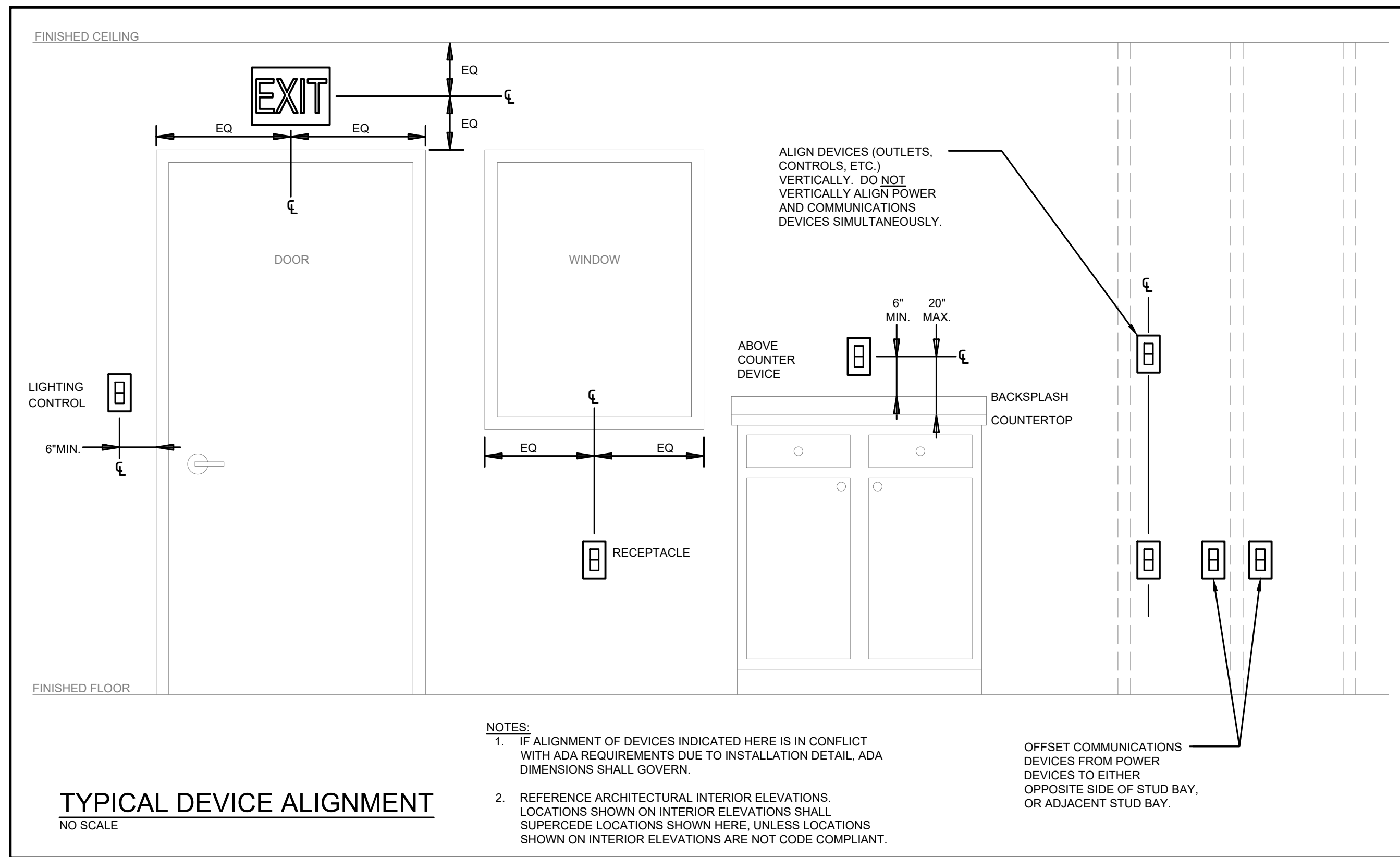
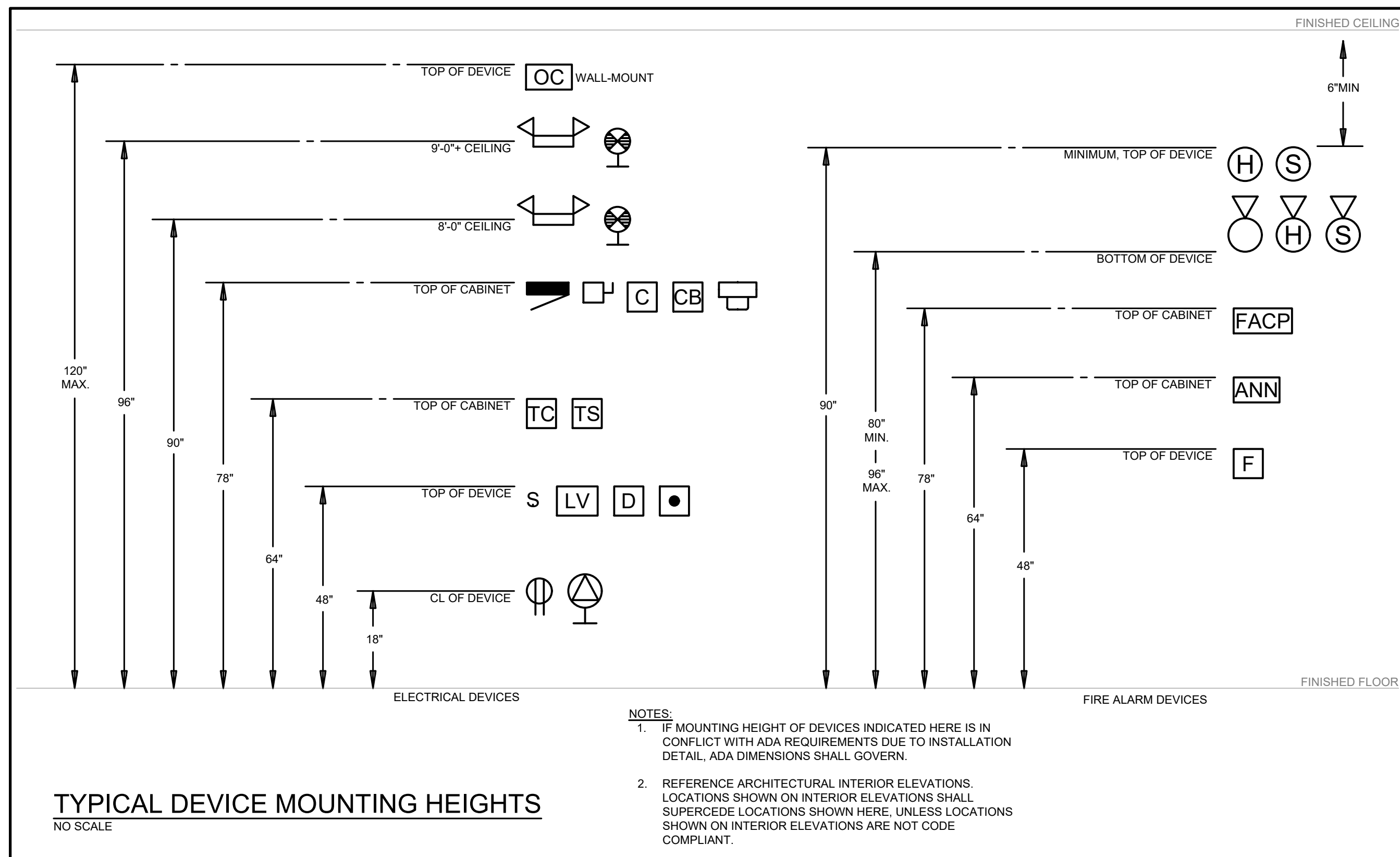


ELECTRICAL NOTES:





















1. THESE DRAWINGS ACCOMPANY THE PUBLISHED CONSTRUCTION DOCUMENT SPECIFICATION BOOK (PROJECT MANUAL).
2. DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS ON ARCHITECTURAL DRAWINGS AND IN FIELD PRIOR TO COMMENCEMENT OF WORK.
3. VISIT SITE PRIOR TO BID AND VERIFY THAT CONDITIONS ARE AS INDICATED. CONTRACTOR SHALL INCLUDE IN HIS BID COSTS REQUIRED TO MAKE HIS WORK MEET EXISTING CONDITIONS.
4. SYSTEM OUTAGES SHALL BE PERMITTED ONLY AT TIMES APPROVED BY OWNER. IN WRITING, WORK WHICH COULD RESULT IN AN ACCIDENTAL OUTAGE (BEYOND BRANCH CIRCUITS) SHALL BE PERFORMED WITH THE OWNER'S MAINTENANCE PERSONNEL ADVISED OF SUCH WORK.
5. SERVICE SHALL BE MAINTAINED TO EXISTING AREAS DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE PORTABLE GENERATORS, CABLES, OUTLETS, ETC. AS REQUIRED TO MAINTAIN CONTINUITY OF SERVICE. PLACEMENT OF SUCH PORTABLE EQUIPMENT SHALL BE SUBJECT TO OWNER APPROVAL.
6. REVIEW ARCHITECTURAL, MECHANICAL AND OTHER DRAWINGS PRIOR TO BID.
7. WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER TO THE SATISFACTION OF THE ARCHITECT.
8. WORK, MATERIALS, AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE, AND NATIONAL CODES AND ORDINANCES.
9. PROVIDE PERMITS AND INSPECTIONS REQUIRED.
10. CONTRACTOR'S FAILURE TO ORDER OR RELEASE ORDER FOR MATERIALS AND/OR EQUIPMENT WILL NOT BE ACCEPTED AS A REASON TO SUBSTITUTE ALTERNATE MATERIALS, EQUIPMENT, OR INSTALLATION.
11. EXISTING SYSTEMS AND CONDITIONS SHOWN ON DRAWINGS FOR EXISTING BUILDINGS ARE TO BE NOTED "FOR GUIDANCE ONLY." THE ELECTRICAL CONTRACTOR TO FIELD CHECK ALL EXISTING CONDITIONS PRIOR TO BIDDING AND TO INCLUDE IN HIS BID AN ALLOWANCE FOR REMOVAL AND/OR RELOCATION OF EXISTING CONDUITS, DEVICES, FIXTURES, OR OTHER EQUIPMENT AS INDICATED ON THE PLANS OR AS REQUIRED TO COORDINATE AND ADAPT NEW AND EXISTING ELECTRICAL SYSTEM TO ALL OTHER WORK AS REQUIRED.
12. PROVIDE ELECTRICAL DEMOLITION REQUIRED. REFER TO ARCHITECTURAL AND ELECTRICAL DEMOLITION DRAWINGS FOR LOCATION AND EXTENT OF DEMOLITION REQUIRED. CONTRACTOR SHALL VISIT SITE PRIOR TO BID TO DETERMINE EXACT TYPE OF WORK INVOLVED.
13. PROVIDE ALL NECESSARY DEMOLITION TO REMOVE EXISTING UNUSED CONDUIT, WIRE, CABLE, BOXES, RECEPTACLES, SWITCHES, LIGHTS, FIRE ALARMS, DEVICES, ETC. AS SHOWN ON DRAWINGS WITH ASSOCIATED CIRCUITING TO SOURCE WHERE IT IS NOT FEASIBLE TO REMOVE THE ABOVE, OUTLET SHALL BE ABANDONED, WIRE REMOVED, AND BLANK COVER PLATES PROVIDED.
14. ALL (E) EQUIPMENT, LAMPS, BALLASTS, ETC. BEING REMOVED SHALL BE DISCARDED IN ACCORDANCE WITH APPLICABLE EPA REQUIREMENTS.
15. EXISTING LIGHT FIXTURES, ELECTRICAL EQUIPMENT, BEING REMOVED SHALL BE RETURNED TO THE OWNER, EXCEPT FOR THOSE ITEMS BEING RELOCATED.
16. VERIFY EXACT LOCATION OF EQUIPMENT TO BE FURNISHED BY OTHERS PRIOR TO ROUGH-IN.
17. INSTALL ALL MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ANY DEVIATIONS SHALL BE BROUGHT TO THE ARCHITECT/ENGINEER'S ATTENTION PRIOR TO INSTALLATION.
18. FINAL CONNECTIONS TO EQUIPMENT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S APPROVED WIRING DIAGRAMS, DATA SHEETS, AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
19. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT WHICH IS DAMAGED DUE TO INCORRECT FIELD WIRING PROVIDED UNDER THIS SECTION, OR FACTORY WIRING IN EQUIPMENT PROVIDED UNDER THIS SECTION.
20. ALL ELECTRICAL SYSTEMS COMPONENTS SHALL BE LISTED OR LABELED BY U.L. OR OTHER RECOGNIZED LISTING AGENCY.
21. WIRING DEVICES SHALL BE SPECIFICATION GRADE AND RATED AT 20 AMPERES FOR LIGHT SWITCHES, AND 20 AMPERES FOR DUPLEX RECEPTACLES. THE COLOR OF THE DEVICES AND COVER PLATES SHALL BE AS DIRECTED BY ARCHITECT.
22. ALL EASY RACEWAY SYSTEMS SHALL HAVE A 200LB NYLON PULL STRING OR EQUIP. SHALL BE IDENTIFIED AT ALL JUNCTION, PULL AND TERMINATION POINTS USING PERMANENT METALLIC TAGS. TAGS SHALL INDICATE INTENDED USE OF CONDUIT, ORIGINATION, AND TERMINATION POINTS OF EACH INDIVIDUAL CONDUIT.
23. PROVIDE NEW UPDATED PANELBOARD DIRECTIONS FOR EXISTING AND NEW CIRCUITS BEING UTILIZED FOR COMPLETION OF PROJECT.
24. PANEL DIRECTORIES SHALL BE REMOVABLE. ROOM NAMES AND NUMBERS SHALL BE AS DIRECTED BY OWNER. DIRECTORIES SHALL BE TYPED AND INSTALLED IN EACH PANEL.
25. FINAL CONNECTIONS TO MOTORS, TRANSFORMERS, AND OTHER VIBRATING EQUIPMENT SHALL BE SEAL TIE FLEX AND APPROVED FITTINGS. DO NOT SECURE CONDUITS, DISCONNECTS, OR DEVICES TO DUCTWORK OR MECHANICAL EQUIPMENT.
26. SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOW THAT WORK IS DEFECTIVE, CONTRACTOR SHALL MAKE CORRECTIONS NECESSARY AT NO COST TO OWNER.
27. GUARANTEE THE INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP WHICH MAY OCCUR UNDER NORMAL USAGE FOR A PERIOD OF ONE YEAR AFTER OWNER'S ACCEPTANCE. DEFECTS SHALL BE PROMPTLY REMEDIATED WITHOUT COST TO THE OWNER.
28. SYSTEMS SHALL BE COMPLETE, OPERABLE, AND READY FOR CONTINUOUS OPERATION. LIGHTS, SWITCHES, RECEPTACLES, MOTORS, ETC. SHALL BE CONNECTED AND OPERABLE.
29. ALL SURFACE MOUNTED CONDUIT SHALL BE PAINTED TO MATCH SURROUNDING SURFACE COLOR.



















ELECTRICAL SYSTEMS LEGEND

NOTE:
ALL SYMBOLS SHOWN ON LEGEND ARE
NOT NECESSARILY USED.

LIGHTING FIXTURE SYMBOLS

-  RECESSED LIGHTING FIXTURE
-  DIRECTIONAL/ADJUSTABLE RECESSED LIGHTING FIXTURE
-  SURFACE MOUNTED LIGHT
-  PENDANT LIGHT
-  WALL MOUNTED LIGHT
-  WALL MOUNTED UP-LIGHT
-  MONO-POINT LIGHTING FIXTURE
-  RECESSED STEP LIGHT
-  FLUORESCENT STRIP LIGHT
-  WALL MOUNTED LINEAR FLUORESCENT LIGHT
-  RECESSED OR SURFACE MOUNTED FLUORESCENT TROFFER
-  ◻ FIXTURE WITH EMERGENCY BACKUP OR ON EM CIRCUIT
-  ◻ CEILING MOUNTED EXIT SIGN W/ FACES & ARROWS AS SHOWN
-  ◻ WALL MOUNTED EXIT SIGN W/ FACES & ARROWS AS SHOWN
-  ◻ WALL MOUNTED COMBO EXIT SIGN/EGRESS LIGHT
-  ◻ EMERGENCY LIGHTS
-  ◻ EXTERIOR POLE MOUNTED LIGHT
-  ◻ EXTERIOR POST (BOLLARD) MOUNTED LIGHT
-  FAN CEILING FAN
-  FAN CEILING FAN WITH LIGHT





























LIGHTING CONTROL SYMBOLS

- | | |
|---|--|
|  | WALL MOUNTED SWITCH |
|  | THREE-WAY SWITCH |
|  | FOUR-WAY SWITCH |
|  | DOOR JAMB SWITCH |
|  | KEY SWITCH |
|  | DIMMER SWITCH |
|  | WALL MOUNTED DEVICE |
|  | WIRELESS WALL MOUNTED DEVICE |
|  | ROOM CONTROLLER |
|  | PLUG LOAD CONTROLLER |
|  | OCCUPANCY/VACANCY PROGRAMMED SENSOR - CEILING MOUNTED |
|  | WIRELESS OCCUPANCY/VACANCY PROGRAMMED SENSOR - CEILING MOUNTED |
|  | OCCUPANCY/VACANCY PROGRAMMED SENSOR - CORNER MOUNTED |
|  | WIRELESS OCCUPANCY/VACANCY PROGRAMMED SENSOR - CORNER MOUNTED |
|  | DAYLIGHT PHOTO SENSOR |
|  | WIRELESS DAYLIGHT PHOTO SENSOR |




































































LIGHTING DRAWING SYMBOLS

- | | | | |
|--------------|---|-------|-------------------------|
| _____ | - | _____ | ALIGNMENT LINE |
| CL
OBJECT | - | _____ | CENTER LINE DESIGNATION |

FIRE ALARM SYMBOLS

- | | |
|---|--------------------------------------|
|  | FIRE ALARM CONTROL PANEL |
|  | REMOTE ANNUNCIATOR PANEL |
|  | INDIVIDUAL ADDRESSABLE MODULE |
|  | MONITORED RELAY |
|  | POST-INDICATOR VALVE |
|  | REMOTE TESTER SWITCH |
|  | CARBON MONOXIDE DETECTOR |
|  | SMOKE DETECTOR |
|  | HEAT DETECTOR |
|  | DUCT DETECTOR |
|  | COMBO SMOKE/HEAT DETECTOR |
|  | SMOKE DETECTOR W/ SOUNDER BASE |
|  | SMOKE DETECTOR W/ CARBON MONOXIDE |
|  | BEAM TYPE SMOKE DETECTOR TRANSMITTER |
|  | BEAM TYPE SMOKE DETECTOR RECEIVER |
|  | FIRE ALARM PULL STATION |
|  | FIRE ALARM CHIME |
|  | FIRE ALARM CHIME/STROBE |
|  | FIRE ALARM HORN |
|  | FIRE ALARM STROBE |
|  | FIRE ALARM COMBO HORN/STROBE |
|  | FIRE ALARM SPEAKER |
|  | FIRE ALARM COMBO SPEAKER/STROBE |
|  | FIREMAN'S PHONE JACK |
|  | SPRINKLER SYSTEM FLOW SWITCH |
|  | SPRINKLER SYSTEM TAMPER SWITCH |
|  | FLOW/SMOKE DAMPER |
|  | LOW TEMPERATURE SENSOR |

POWER SYMBOLS

- | | |
|---|--|
|  | SINGLE RECEPTACLE - WALL MOUNTED |
|  | DUPLEX RECEPTACLE - WALL MOUNTED |
|  | DUPLEX RECEPTACLE WITH USB PORTS - WALL MOUNTED |
|  | DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - WALL MOUNTED |
|  | QUADPLEX RECEPTACLE - WALL MOUNTED |
|  | DUPLEX RECEPTACLE; GFCI - WALL MOUNTED |
|  | DUPLEX RECEPTACLE; HALF SWITCHED - WALL MOUNTED |
|  | DUPLEX RECEPTACLE; ISOLATED GROUND - WALL MOUNTED |
|  | DUPLEX RECEPTACLE; HALF DIMMED - WALL MOUNTED |
|  | DUPLEX RECEPTACLE; FULL DIMMED - WALL MOUNTED |
|  | SPECIAL OUTLET AS NOTED - WALL MOUNTED |
|  | DUPLEX RECEPTACLE - CEILING MOUNTED; TYP. ALL TYPES |
|  | FLUSH FLOOR MOUNTED DUPLEX RECEPTACLE; TYP. ALL TYPES |
|  | FLUSH FLOOR MOUNTED DUPLEX RECEPTACLE AND TELECOM |
|  | JUNCTION BOX - WALL MOUNTED |
|  | JUNCTION BOX - FLUSH FLOOR MOUNTED |
|  | JUNCTION BOX - CEILING MOUNTED |
|  | MULTI-OUTLET PLUG STRIP |
|  | POWER/TELECOM POLE |
|  | MECHANICAL EQUIPMENT POWER CONNECTION |
|  | KITCHEN EQUIPMENT POWER CONNECTION |
|  | POOL EQUIPMENT POWER CONNECTION |
|  | TIMER SWITCH |
|  | FUSED DISCONNECT |
|  | NON FUSED DISCONNECT |
|  | MOTOR STARTER |
|  | ENCLOSED CIRCUIT BREAKER |
|  | PULL BOX |
|  | PUSH BUTTON |
|  | TIME CLOCK |
|  | PHOTO-CELL |
|  | TRANSFERMER |
|  | PANEL BOARD OR LOAD CENTER |
|  | CONTACTOR |
|  | ELECTRIC MOTOR |
|  | METER |
|  | THERMOSTAT |
|  | AUTOMATIC TRANSFER SWITCH |
|  | CIRCUIT HOMERUN |
|  | CONDUIT RUN |
|  | CONDUIT RUN BELOW GRADE |
|  | CONDUIT UP |
|  | CONDUIT DOWN |
|  | SWITCH |
|  | THERMAL OVERLOAD SWITCH |
|  | VARIABLE SPEED SWITCH |
|  | KEY SWITCH |
| ONE-LINE DIAGRAM SYMBOLS | |
|  | DISCONNECT SWITCH |
|  | FUSE |
|  | CIRCUIT BREAKER |
|  | CURRENT TRANSFORMER |
|  | POTENTIAL TRANSFORMER |
|  | METER |
|  | VOLT-METER |
|  | AMP-METER |
|  | SURGE PROTECTION DEVICE |
|  | SELECTOR SWITCH |
|  | GROUND FAULT PROTECTION |
|  | SHUNT TRIP |
|  | NORMALLY OPEN CONTACT |
|  | NORMALLY CLOSED CONTACT |
|  | GROUND |
|  | COLD WATER GROUND CONNECTION |
|  | BUILDING STEEL GROUND CONNECTION |
|  | TRANSFORMER |
|  | DISCONNECT |
|  | AUTOMATIC TRANSFER SWITCH |

ABBREVIATIONS

- | | |
|------|--|
| AFD | - ABOVE FINISHED CEILING |
| AFF | - ABOVE FINISHED FLOOR |
| AFG | - ABOVE FINISHED GRADE |
| AHJ | - AUTHORITY HAVING JURISDICTION |
| AL | - ALUMINUM |
| AP | - ACCESS POINT |
| AWG | - AMERICAN WIRE GAUGE |
| BAS | - BUILDING AUTOMATION SYSTEM |
| BFG | - BELOW FINISH GRADE |
| BMS | - BUILDING MANAGEMENT SYSTEM |
| C | - CONDUIT |
| CATV | - COMMUNITY (CABLE) ANTENNA TELEVISION SYSTEM |
| CCTV | - CLOSED CIRCUIT TELEVISION |
| CKT | - CIRCUIT |
| CPU | - CENTRAL PROCESSING UNIT |
| CT | - CURRENT TRANSFORMER |
| DISP | - GARBAGE DISPOSAL |
| DW | - DISHWASHER |
| (E) | - EXISTING |
| EM | - EMERGENCY |
| EW | - ELECTRIC WATER COOLER |
| FA | - FIRE ALARM |
| FACP | - FIRE ALARM CONTROL PANEL |
| FBO | - FURNISHED BY OTHERS |
| GC | - GENERAL CONTRACTOR |
| GFI | - GROUND FAULT CIRCUIT INTERRUPTER |
| GRD | - GROUND |
| IAW | - IN ACCORDANCE WITH |
| IC | - INTERMEDIATE CROSS-CONNECT |
| IDF | - INTERMEDIATE DISTRIBUTION FRAME |
| IG | - ISOLATED GROUND |
| IR | - INFRARED |
| LAN | - LOCAL AREA NETWORK |
| MDF | - MAIN DISTRIBUTION FRAME |
| (N) | - NEW |
| NIC | - NOT IN CONTRACT |
| NL | - NIGHT LIGHT |
| NTS | - NOT TO SCALE |
| OC | - ON CENTER |
| PA | - PUBLIC ADDRESS |
| REF | - REFRIGERATOR |
| SPD | - SURGE PROTECTION DEVICE |
| T | - TAMPER RESISTANT |
| TB | - TELECOMMUNICATIONS TERMINAL BOARD |
| TVSS | - TRANSIENT VOLTAGE SURGE SUPPRESSOR |
| TVTB | - TELEVISION TERMINAL BOARD |
| UG | - UNDERGROUND |
| UNO | - UNLESS NOTED OTHERWISE |
| V | - VOLT |
| W | - WATT |
| WAN | - WIDE AREA NETWORK |
| WAP | - WIRELESS ACCESS POINT |
| WLAN | - WIRELESS LOCAL AREA NETWORK |
| WP | - WEATHERPROOF |
| XP | - EXPLOSIONPROOF |
| +18" | - MOUNTING HEIGHT TO CENTERLINE OF
DEVICE ABOVE FINISH FLOOR (VERIFY W/ ARCH ELEVS) |

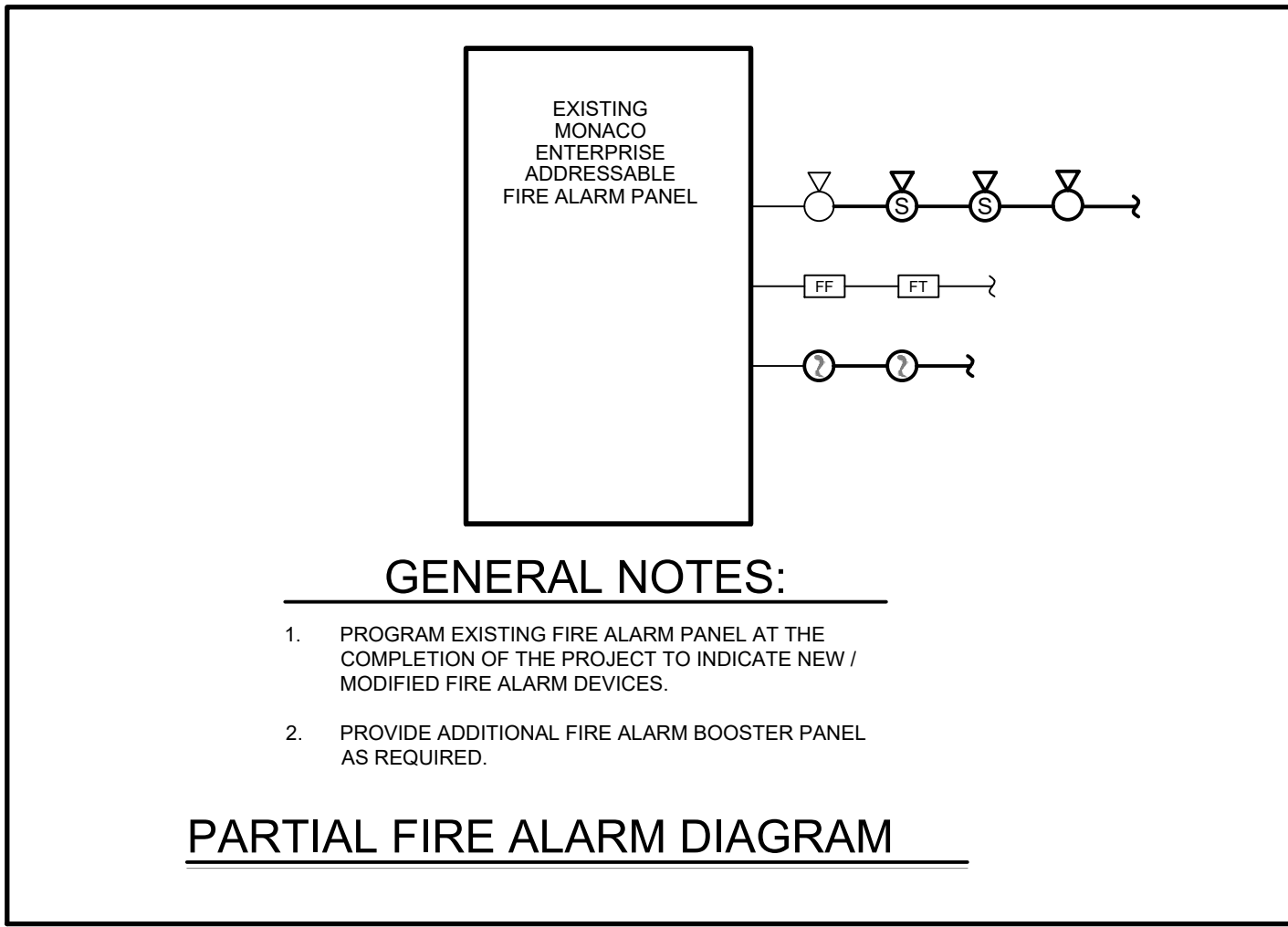
NOTES:

- LIGHT LINEWEIGHT INDICATES EXISTING.
- HATCHED AREAS INDICATE DEMOLITION.
- 'C' ADJACENT TO A DEVICE INDICATES MOUNTING ABOVE COUNTERTOP.

DEFERRED SUBMITTALS

1. THE PROJECT FIRE ALARM CONTRACTOR SHALL SUBMIT THE FIRE ALARM SHOP DRAWINGS FOR THIS PROJECT AS A DEFERRED SUBMITTAL. THIS DEFERRED SUBMITTAL SHALL COMPLY WITH THE 2021 INTERNATIONAL BUILDING CODE 107.3.4.1.

ELECTRICAL SHEET INDEX			ISSUE LOG KEY	
#	TITLE		DESIGN GENERAL CHECK CONSTRICTED REQUIREMENTS	
E000	ELECTRICAL COVER SHEET		✓	✓
E001	ELECTRICAL OVERALL PLAN		✓	✓
ED101	DENTAL CLINIC ELECTRICAL DEMOLITION PLAN		✓	✓
ED103	OFFICE & PRIMARY CARE ELECTRICAL DEMOLITION PLAN		✓	✓
E101	DENTAL CLINIC ELECTRICAL PLAN		✓	✓
E102	BEHAVIORAL HEALTH ELECTRICAL PLAN		✓	✓
E103	OFFICE & PRIMARY CARE ELECTRICAL PLAN		✓	✓
E200	ELECTRICAL ONE-LINE DIAGRAM			
E201	ELECTRICAL SCHEDULES AND COMCHECK		✓	✓
ISSUE LOG KEY: "✓" ISSUED AS PART OF A SET "✓" NOT PART OF SET "✓" ISSUED FOR INFORMATION ONLY			DATE	11/07/2023



SHERIDAN HEALTH SERVICES
SUITE REMODELS

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MEDICAL CAMPUS
21-107321



11-6-2023



ARCHITECTURAL WORKSHOP . DENVER COLORADO

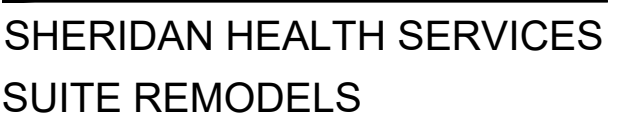
DATE	DESCRIPTION
09/01/2023	DESIGN DEVELOPMENT
11/01/2023	CONSTRUCTION DOCUMENTS

DRAWN BY: CG	CHECKED BY: JM
PROJECT: 2207SHS	INITIAL DATE: TBD

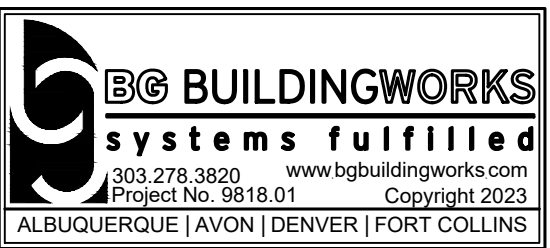
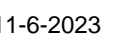
ELECTRICAL COVER SHEET

SCALE: AS NOTED

E000



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MEDICAL CAMPUS
21-107321



DATE	DESCRIPTION
09/01/2023	DESIGN DEVELOPMENT
11/01/2023	CONSTRUCTION DOCUMENTS

DRAWN BY: CG	CHECKED BY: JM
PROJECT: 2207SHS	INITIAL DATE: TBD

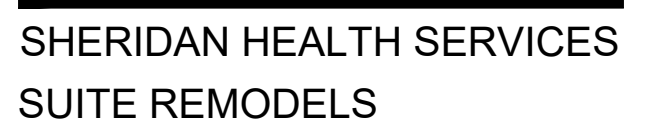
ELECTRICAL OVERALL PLAN

SCALE: AS NOTED

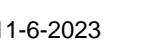
E001

1001

1. DEMOLITION PLAN INDICATES A DESIRED SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF FIELD PRIOR TO START OF WORK.
2. CONDITIONS MAY EXIST WHERE (E) CABLING AND/OR EQUIPMENT IS INSTALLED WITHIN AN AREA OF DEMOLITION. THE CONTRACTOR SHALL REMAIN IN ORDER TO KEEP SYSTEMS OUTSIDE OF THE DEMOLITION AREA. IF THE EXISTING CONDITION, CONTRACTOR SHALL PROVIDE APPROPRIATE PROTECTION AND EXERCISE CARE IN ORDER TO MINIMIZE DEMOLITION AROUND SUCH CABLING AND EQUIPMENT.
3. ALL SYSTEMS LOCATED OUTSIDE THE AREA OF DEMOLITION ARE INTENDED TO REMAIN OPERATIONAL.
4. FOR ALL ITEMS TO BE DEMOLISHED REMOVE CIRCUIT BOARD 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 DEMOLISHED. THE DEMOLITION SCOPE IN THIS OCCUPED SPACE. ELECTRICAL CONTRACTOR SHALL PROVIDE ADEQUATE ALLOWANCE TO INCLUDE THE REMOVAL OF ITEMS NOT LOCATED ON THE ELECTRICAL DEMOLITION PLAN.



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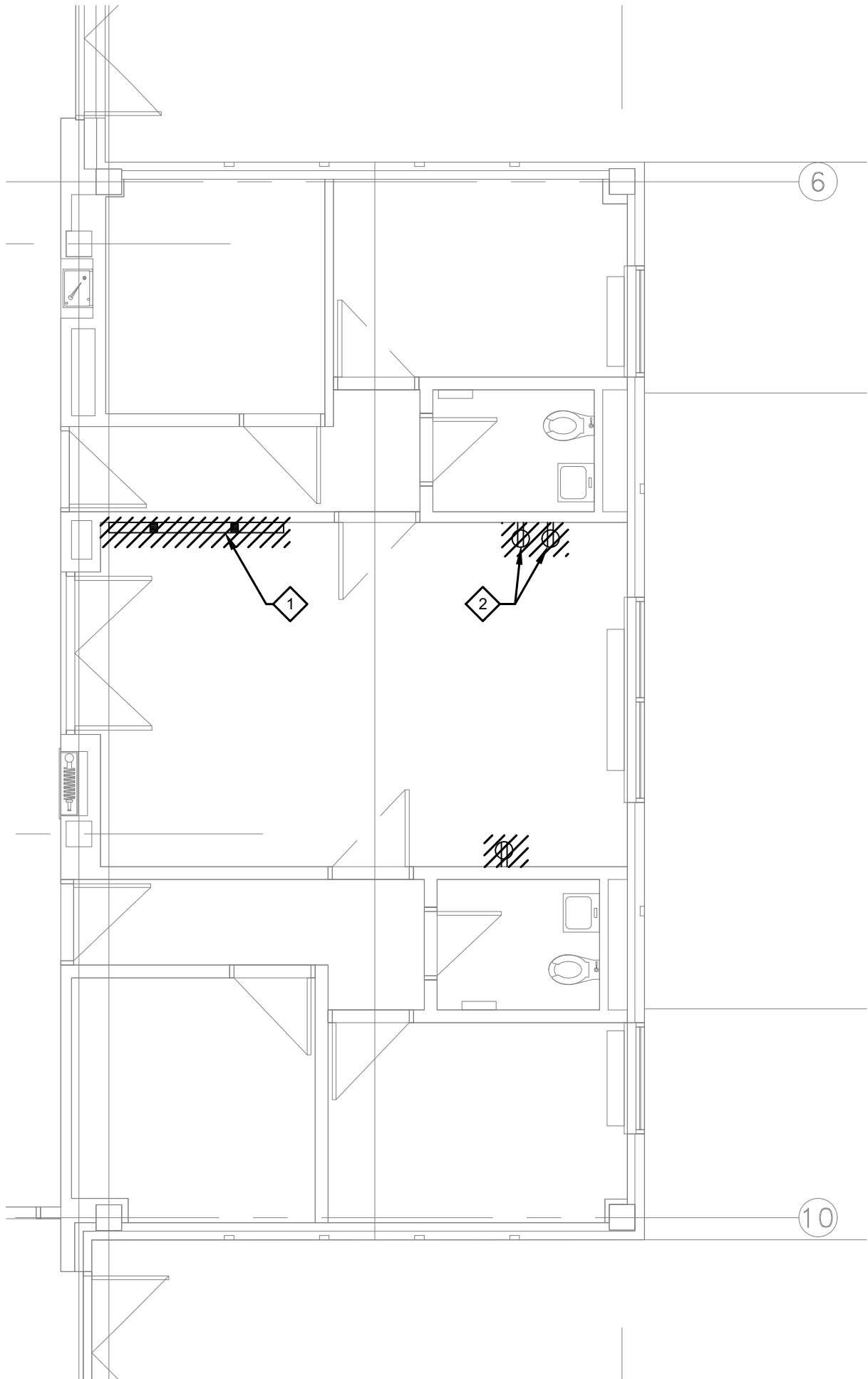


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PROJECT: 2207SHS	INITIAL DATE: TBD

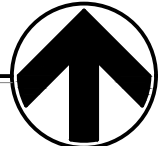
DENTAL CLINIC ELECTRICAL
DEMOLITION PLAN
SCALE: AS NOTED

ED101

S:\BGP\PROJECTS\9818.01 SHERIDAN HEALTH SERVICE WING 2.4 (BEHAVIORAL HEALTH) AND WING 3 (DENTAL WING) RENOVATION\CAD\BGC\ED103.DWG



1 OFFICE ELECTRICAL DEMOLITION PLAN
SCALE: 3/16" = 1'-0"



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.

FLAG NOTES:

1. DISCONNECT AND REMOVE SURFACE MOUNTED RACEWAY, SURFACE MOUNTED CONDUIT AND SURFACE MOUNTED RECEPTACLE.
2. DISCONNECT AND REMOVE SURFACE MOUNTED RECEPTABLES.

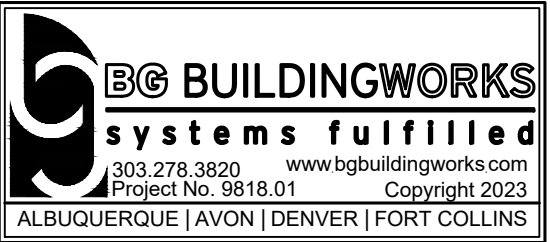


**SHERIDAN HEALTH SERVICES
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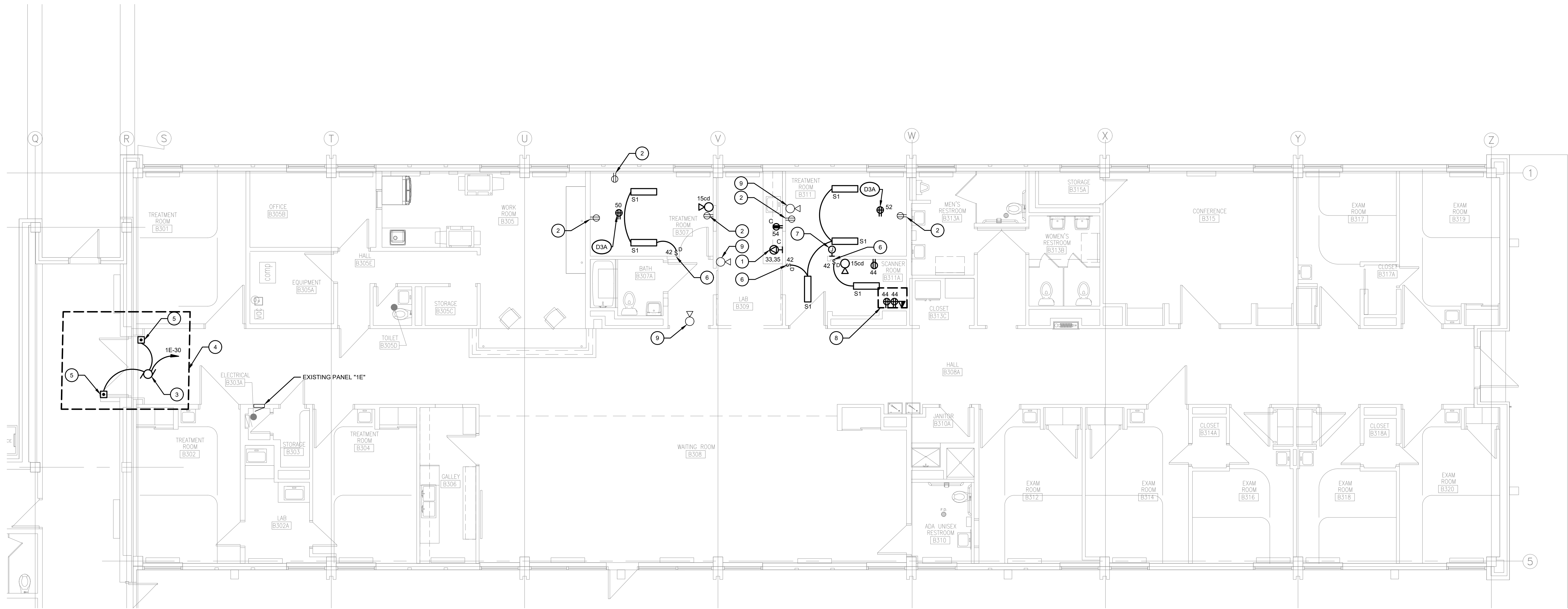
DATE	DESCRIPTION
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OFFICE AND PRIMARY CARE
ELECTRICAL DEMOLITION PLAN
SCALE: AS NOTED

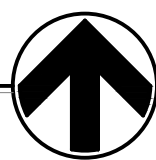
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1 DENTAL CLINIC ELECTRICAL PLAN

SCALE: 3/16" = 1'-0"



NOTES:

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"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.

FLAG NOTES:

1. PROVIDE NEMA 6-15 RECEPTACLE FOR RELOCATED WATER STEAM STERILIZER. VERIFY PLUG CONFIGURATION PRIOR TO ROUGH-IN.
2. EXISTING RECEPTACLE TO REMAIN.
3. PROVIDE 120-VOLT POWER CONNECTION TO DOOR OPENER CONTROLLER.
4. THIS AUTOMATIC DOOR OPENER IS TO BE PRICED AS ALTERNATE #2.
5. 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.
6. PROVIDE GREENGATE #WBSD-010DEC-C1 (0-10 VOLT) DIMMER FOR CONTROL OF DENTAL SUITE LIGHTING.
7. PROVIDE JUNCTION BOX AT #44 FOR CONTROL OF DENTAL SCANNER CONTROLS. ROUTE 3/4" EMT CONDUIT FROM JUNCTION BOX TO DENTAL SCANNER FOR CONTROL OF SCANNER. VERIFY EXACT LOCATION OF JUNCTION BOX AND LOCATION OF CONDUIT FOR CONTROL OF SCANNER.
8. DENTAL SCANNER LOCATION.
9. EXISTING FIRE ALARM NOTIFICATION APPLIANCE TO REMAIN.



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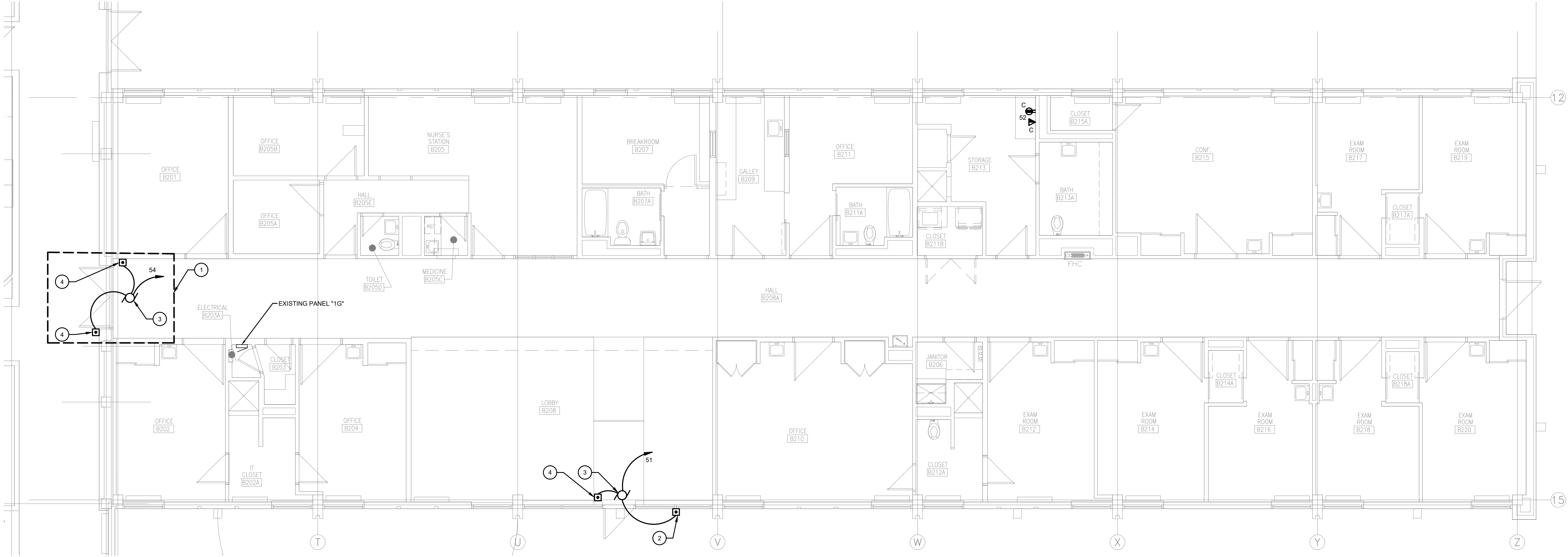
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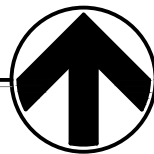
DENTAL CLINIC ELECTRICAL
PLAN
SCALE: AS NOTED

E101

S:\BGP\PROJECTS\9818.01 SHERIDAN HEALTH SERVICE WING 2.4 (BEHAVIORAL HEALTH) AND WING 3 (DENTAL WING) RENOVATION\CAD\BGC\CAD\818.01_E-102.DWG



1 BEHAVIOR HEALTH ELECTRICAL PLAN
SCALE: 3/16" = 1'-0"



NOTES:

1. THE NUMBERS NEXT TO ELECTRICAL ITEMS INDICATE THE CIRCUIT NUMBER THAT BRANCH CIRCUIT SHALL OCCUPY IN PANEL "116" UNLESS NOTED OTHERWISE.
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.

FLAG NOTES:

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.



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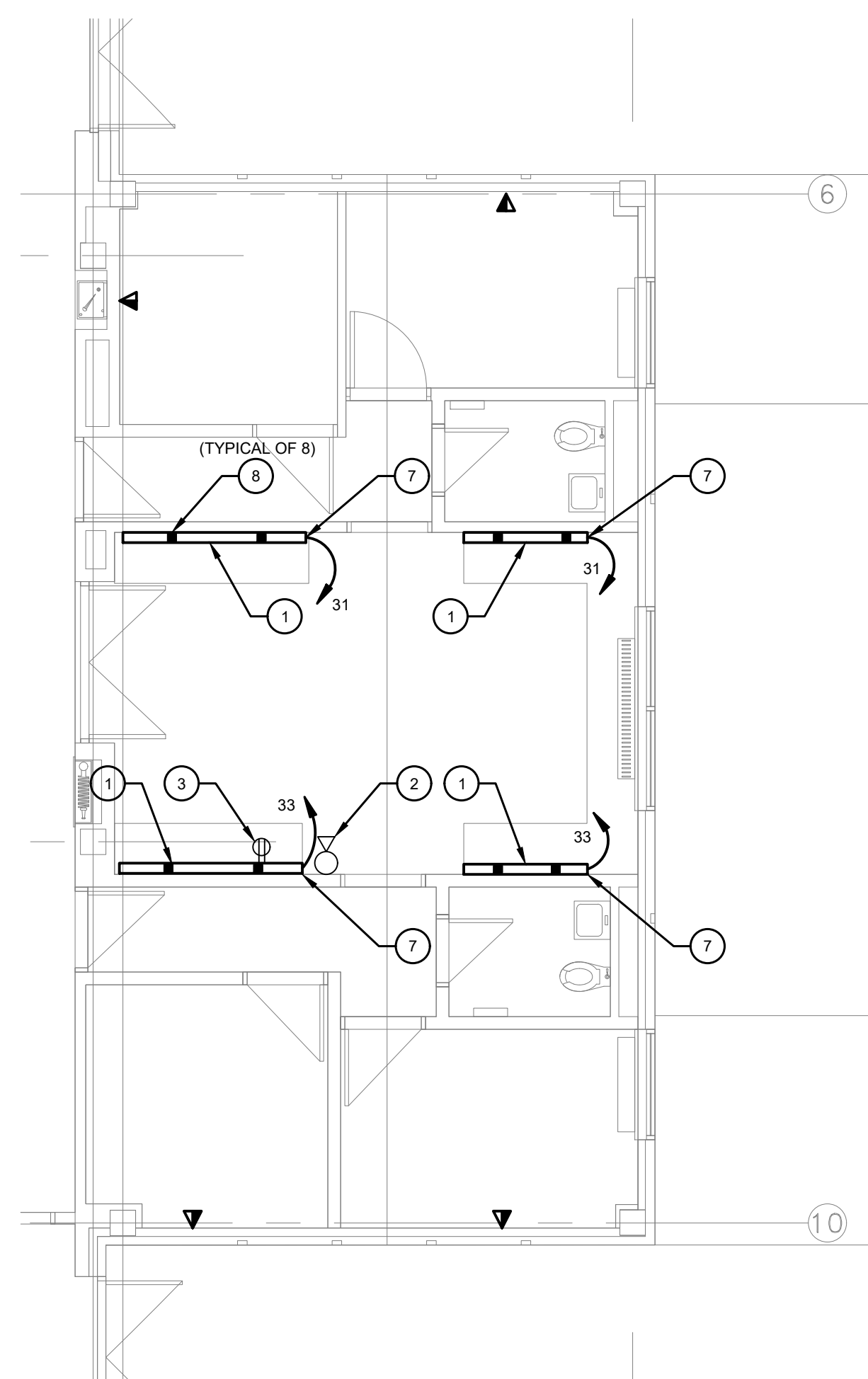
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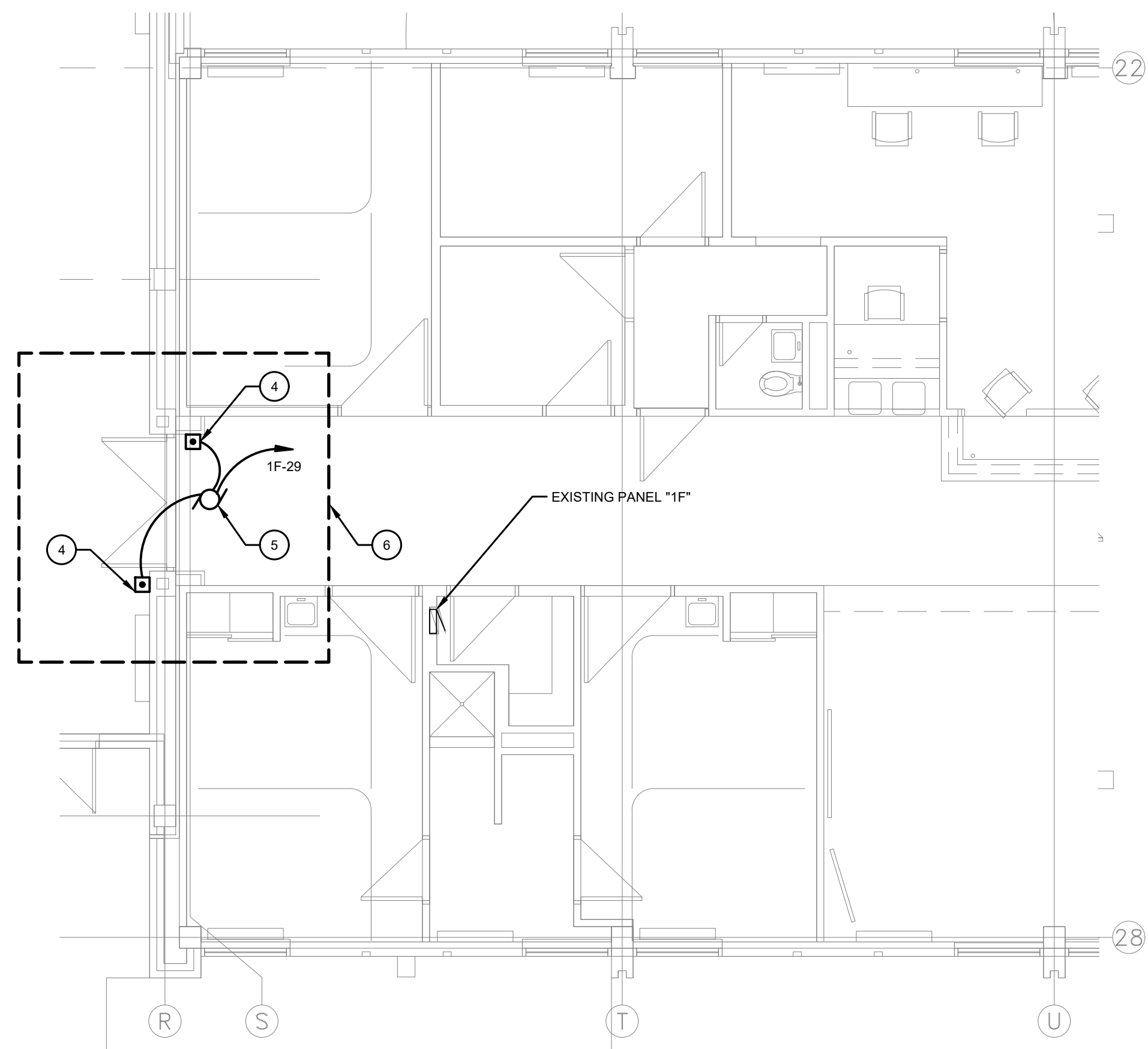
BEHAVIOR HEALTH
ELECTRICAL PLAN
SCALE: AS NOTED

E102



1 OFFICE ELECTRICAL PLAN

SCALE: 3/16" = 1'-0"



2 PRIMARY CARE ELECTRICAL PLAN

Ⓢ FLAG NOTES:

1. PROVIDE WIREMOLD #0-4000B (BASE) WITH WIREMOLD #04000C/COVER AND WIREMOLD #04000D/END. IN LINES WITH THE 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 (ONSET OF PUSHBUTTON TO BE PROVIDED ON FINISHED BAY ROUTE 34" EMT CONDUIT UP JUNCTION STRUCTURE TO ABOVE CEILING ELEVATION AND BUILDING INTERIOR TO DOOR OPERATOR CONTROLLER.
5. PROVIDE 120-VOLT POWER CONNECTION TO DOOR OPERATOR CONTROLLER.
6. THIS AUTOMATIC DOOR OPERATOR IS TO BE PRICED AS ALTERNATE #2.
7. PROVIDE WIREMOLD #04010FD (DIVIDED ENTRANCE FIT FOR POWER AND COMMUNICATION) ON SURFACE MOUNTED RACEWAY. ROUTE 1" EMT CONDUIT FROM COMMUNICATION COMPARTMENT OF SURFACE MOUNTED CONDUIT INTO CRAWL SPACE AND PROVIDE BUSHING ON EXPOSED END OF CONDUIT TO NOT CONDUIT IN CRAWL SPACE. FROM POWER COMPARTMENT OF SURFACE MOUNTED RACEWAY ROUTE 3/4" EMT CONDUIT INTO CRAWL SPACE AND PROVIDE BUSHING ON EXPOSED END OF CONDUIT AND THEN UP TO PANEL. PROVIDE WIREMOLD #04010B (BUSHING) ON OPPOSITE END OF SURFACE MOUNTED RACEWAY.
8. PROVIDE WIREMOLD #04047BS (TWO-GANG OVERLAPPING COVER DUPLEX AND SERIES I MINI ADAPTER) ON TOTAL SPREAD OF THE PANEL IN CRAWL SPACE AND CIRCUIT AS INDICATED.

NOTES:

- [illegible]



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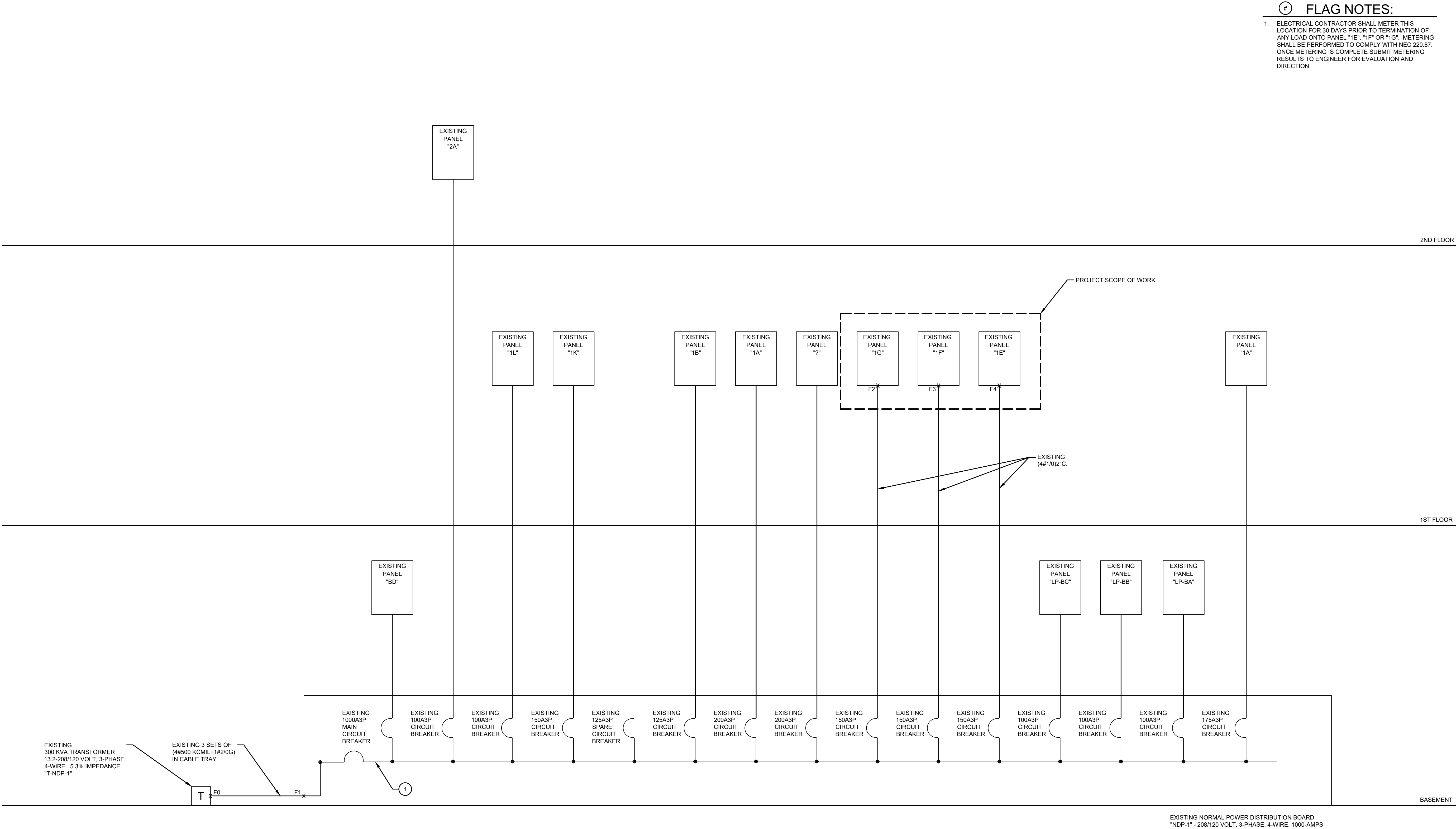
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OFFICE AND PRIMARY CARE
ELECTRICAL PLAN
SCALE: AS NOTED

E103

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PANEL "1G" LOAD SUMMARY

EXISTING PANEL "1G" IS SERVED FROM A 150-AMP FEEDER FROM "NDP-1".

LOAD ADDED TO PANEL AS A RESULT OF THIS PROJECT:

DOOR OPENERS (TYPICAL OF 2) =	1,000 VA
COUNTER RECEPTACLE =	500 VA
TOTAL LOAD ADDED =	1,500 VA

PANEL "1F" LOAD SUMMARY

EXISTING PANEL "1F" IS SERVED FROM 150-AMP FEEDER FROM "NDP-1"

LOAD ADDED TO PANEL AS A RESULT OF THIS PROJECT:

DOOR OPENER =	500 VA
SURFACE MOUNTED RACEWAY =	1,440 VA
TOTAL LOAD ADDED =	1,940 VA

PANEL "1E" LOAD SUMMARY

EXISTING PANEL "1E" IS SERVED FROM 150-AMP FEEDER FROM "NDP-1"

LOAD ADDED TO PANEL AS A RESULT OF THIS PROJECT:

DOOR OPENER =	500 VA
STERILIZER =	2,000 VA
LIGHTING =	240 VA
SCANNER =	1,000 VA
DENTAL CHAIRS =	2,000 VA
LAB RECEPTACLE =	500 VA
TOTAL LOAD ADDED =	6,186 VA

NEC BUILDING LOAD SUMMARY

THE EXISTING BUILDING ELECTRICAL SERVICE IS A 1000 AMP SERVICE SERVED BY A 300 KVA TRANSFORMER. SO CAPACITY OF EXISTING DISTRIBUTION BOARD "NDP-1" IS 833 AMPS AT 208/120 VOLT, THREE PHASE.

LOAD ADDED TO ELECTRICAL SERVICE AS A RESULT OF THIS PROJECT IS AS FOLLOWS:

PANEL "1G" =	1,500 VA ADDED
PANEL "1F" =	1,940 VA ADDED
PANEL "1E" =	6,186 VA ADDED
TOTAL	11,626 VA (32.3 AMPS) ADDED LOAD

"NDP-1" WILL BE METERED FOR 30 DAYS TO CONFIRM THAT SUFFICIENT CAPACITY EXISTS IN PANEL TO ACCOMMODATE ADDED ELECTRICAL LOAD.

GENERAL NOTES:

- THE EXISTING INFORMATION INDICATED ON THIS DRAWINGS WAS FROM RECORD DRAWINGS AND IS BELIEVED TO BE CORRECT. IF INFORMATION IS FOUND TO BE INCORRECT NOTIFY PROJECT ENGINEER IMMEDIATELY.



SHERIDAN HEALTH SERVICES SUITE REMODELS

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ELECTRICAL ONE-LINE
DIAGRAM
SCALE: AS NOTED

E200



SHERIDAN HEALTH SERVICES
SUITE REMODELS

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PANEL:				(E)1G				VOLTAGE:				120/208V, 3PH, 4W			
LOCATION:				ELECTRICAL ROOM				MINIMUM BUS:				225			
MOUNTING:				RECESSED				MAIN:				MLO			
								MINIMUM AIC:				10,000			