

ELECTRICAL LEGEND

Table with columns SYMBOL and DESCRIPTION. Includes sections for LIGHTING, EQUIPMENT CONNECTIONS, DISTRIBUTION, WIRE, CONDUIT AND RACEWAY, GENERAL, POWER DEVICES, TELEPHONE AND DATA SYSTEMS, and EMERGENCY COMMUNICATIONS.

ELECTRICAL ABBREVIATIONS

Table with columns SYMBOL and DESCRIPTION. Lists abbreviations for various electrical components such as AMPERE, AIR CONDITIONING, MAIN LUG ONLY, and others.

INDEX OF DRAWINGS

Table with columns Sheet Number and Sheet Name. Lists drawing sheets including ELECTRICAL LEGENDS AND NOTES, DEMOLITION PLAN, LIGHTING FLOOR PLAN, POWER FLOOR PLAN, and SPECIAL SYSTEMS FLOOR PLAN.

GENERAL NOTES

- List of general notes regarding scope of work, wiring requirements, receptacle specifications, and installation instructions.

LEGEND NOTES

- List of legend notes providing additional context and instructions for interpreting the electrical symbols and notes.

HENDERSON COUNTY AND BLUE RIDGE COMMUNITY COLLEGE BRCC - PATTON HALL INTERIOR RENOVATION AND ADDITION



DESIGNER

CLARK NEXSEN

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SEALS



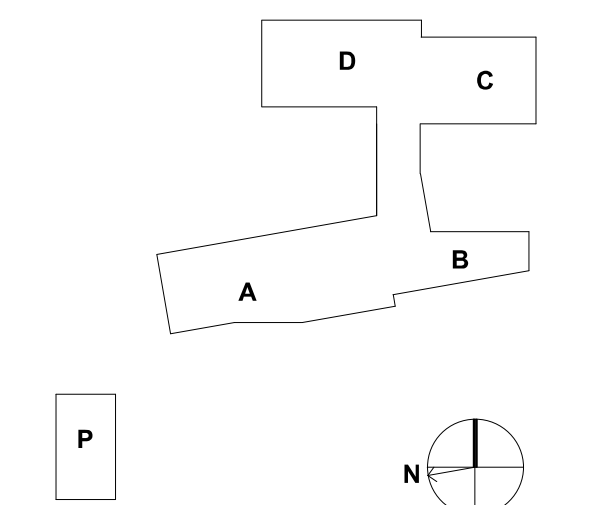
SUBMITTAL

10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS

Table with columns for revision number, date, and description. Shows one revision: 1, 11/20/20, ADDENDUM 1.



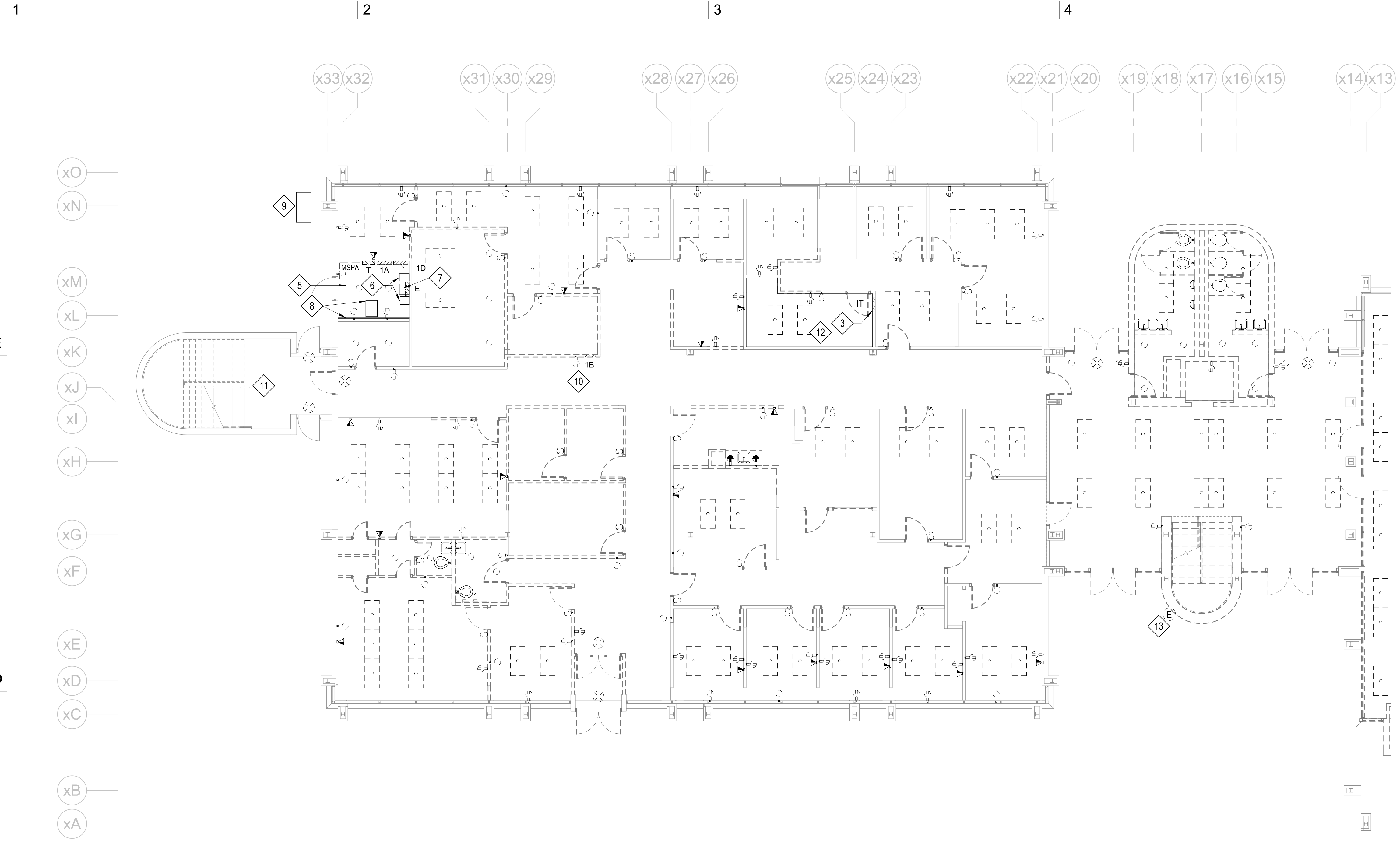
SHEET

ELECTRICAL LEGENDS AND NOTES

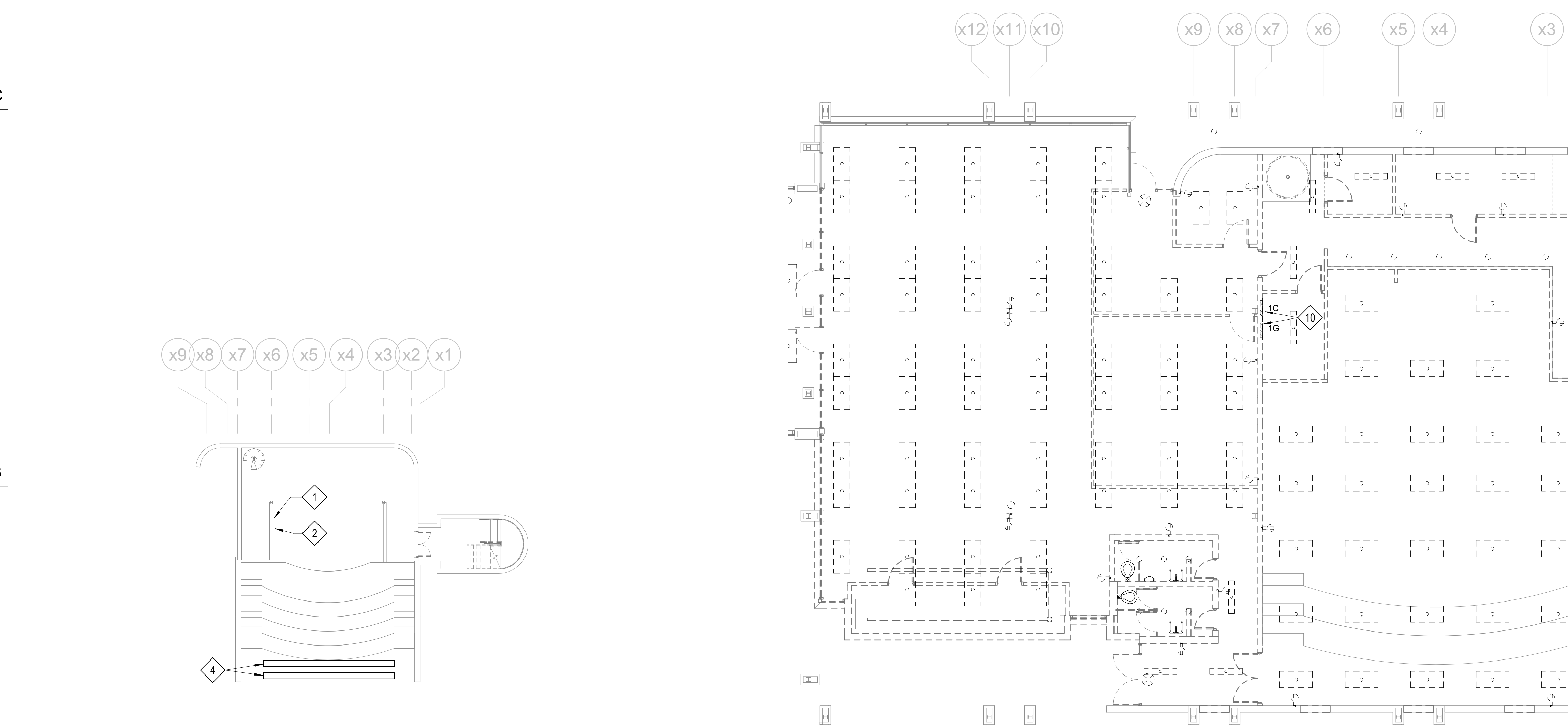
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NOT ALL ABBREVIATIONS, SYMBOLS, AND LEGEND GRAPHICS LISTED ARE NECESSARILY USED ON THIS PROJECT. REFER TO DOCUMENTS FOR SPECIFIC INFORMATION.

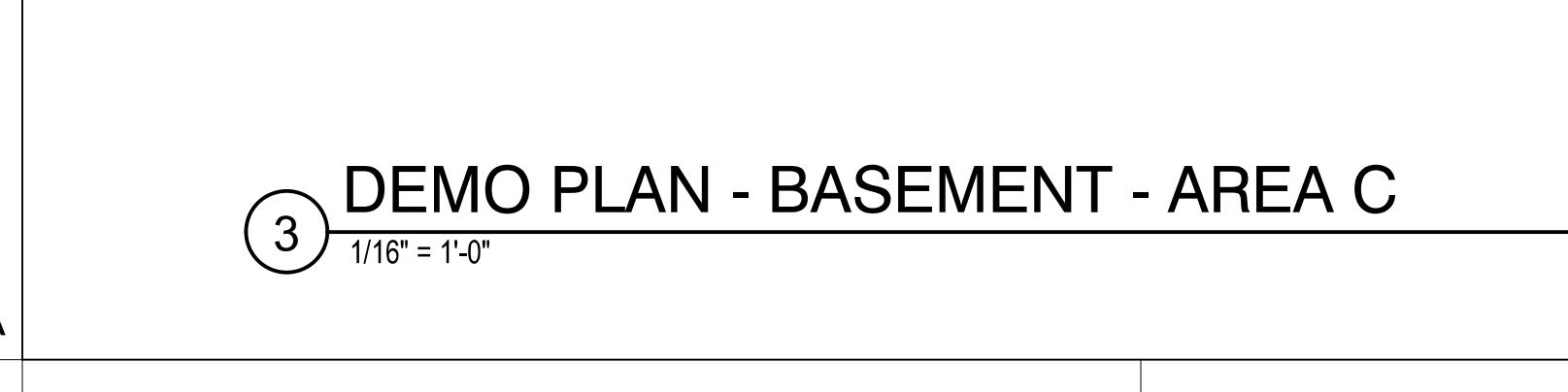
DESIGN: MRB DRAWN: SJB REVIEW: SPS CN 5199-L



1 DEMO PLAN - LEVEL 1 - AREA D
1/8" = 1'-0"



2 DEMO PLAN - LEVEL 1 - AREA C
1/8" = 1'-0"



3 DEMO PLAN - BASEMENT - AREA C
1/16" = 1'-0"

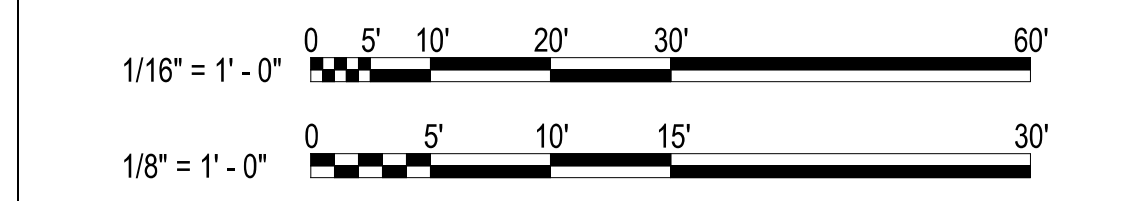
GENERAL NOTES

- A. I.T. SERVER ROOM IS TO REMAIN 'ONLINE' AND 'OPERATIONAL' THROUGHOUT PROJECT. NOTIFY OWNER IN WRITING NO LESS THAN (7) DAYS IN ADVANCE OF ANY WORK (DEMOLITION OR NEW) THAT WILL TAKE PLACE IN SERVER ROOM AND/OR TAKE SERVER ROOM 'OFFLINE'. DO NOT PROCEED WITH SAID WORK WITHOUT WRITTEN APPROVAL FROM OWNER.
- B. COORDINATE ELECTRICAL DEMOLITION WITH ARCHITECTURAL FLOOR PLANS, DETAILS, ELEVATIONS, STRUCTURAL, MECHANICAL AND PLUMBING DRAWINGS. THE ELECTRICAL CONTRACTOR IS TO ENSURE THAT ALL AREAS NOT IN THE SCOPE OF THIS DEMOLITION SHALL HAVE SERVICE MAINTAINED OR RECONNECTED TO AN EXISTING PANELBOARD OR NEW PANELBOARD AS NECESSARY. ALL AREAS OUTSIDE OF THIS SCOPE OF WORK SHALL STAY IN PROPER WORKING ORDER DURING AND AFTER ALL DEMOLITION IS COMPLETED.
- C. ALL EXISTING CEILINGS, WALLS, AND FLOORS TO REMAIN THAT ARE DISTURBED OR DISFIGURED BY THE ELECTRICAL RENOVATION SHALL BE PATCHED, MENDED OR REPLACED BY TRADES ACTIVELY PARTICIPATING IN THIS TYPE OF WORK. RESPONSIBILITY FOR REPAIRS SHALL BE COORDINATED BETWEEN THE GENERAL CONTRACTOR AND ELECTRICAL SUBCONTRACTOR. VERIFY ALL CEILINGS REMAINING WITH ARCHITECTURAL DRAWINGS PRIOR TO DEMOLITION.
- D. WHERE REMOVING DRAWING CIRCUITS TO MECHANICAL EQUIPMENT BEING DEMOLISHED, REMOVE ALL CONDUCTORS, CONDUIT, AND BOXES BACK TO SERVING PANELBOARD UNLESS CIRCUIT IS TO BE REUSED AS DIRECTED IN NEW WORK.
- E. THE CONTRACTOR SHALL FIELD VERIFY EXACT ROUTINGS OF EXISTING RACEWAYS AND LOCATIONS OF ALL EXISTING DEVICES AND EQUIPMENT BEFORE STARTING ANY WORK AND IS TO NOTIFY THE ARCHITECT OF ANY KNOWN DISCREPANCIES.
- F. ALL DEVICES AND EQUIPMENT REMOVED DURING DEMOLITION ARE THE PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF OR STORED AS DIRECTED BY THE OWNER.
- G. PROVIDE BLANK STAINLESS STEEL COVER PLATES ON ALL JUNCTION BOXES NOT INTENDED FOR REUSE.
- H. REMOVE ELECTRICAL CONNECTIONS TO EXISTING HVAC EQUIPMENT. SEE MECHANICAL PLANS FOR EXACT LOCATIONS. WHERE EQUIPMENT IS BEING REMOVED AND NOT BEING REPLACED, REMOVE CIRCUIT. ASSOCIATED DISCONNECT, ACCESSIBLE CONDUIT AND CONDUCTORS. COORDINATE ALL HVAC EQUIPMENT AND LOCATIONS OF EQUIPMENT BEING REMOVED WITH MECHANICAL.
- I. WHERE WALL BOXES FOR SWITCHES AND OTHER DEVICES ARE REMOVED IN WALLS TO REMAIN, CONTRACTOR SHALL REMOVE BOX AND CONDUIT TO ALLOW PATCHING UNDER ARCHITECTURAL.
- J. REMOVE EXISTING LIGHT FIXTURES, SWITCHES, FACEPLATES, AND ASSOCIATED BRANCH CIRCUITS BACK TO SERVING PANELBOARD OR EXISTING BRANCH CIRCUIT TO REMAIN. WHERE LIGHT FIXTURES ARE BEING REMOVED FROM EXISTING LIGHT FIXTURES TO REMAIN, SPLICE AND EXTEND CIRCUITS AS REQUIRED TO MAINTAIN FULL OPERATION. PROVIDE ADDITIONAL FEEDERS AS REQUIRED.
- K. REMOVE EXISTING EXIT SIGNS, EGRESS LIGHT FIXTURES AND ASSOCIATED BRANCH CIRCUITRY BACK TO SERVING PANELBOARD OR EXISTING BRANCH CIRCUITRY TO REMAIN.
- L. REMOVE ALL EXISTING SYSTEMS CABLING AND DATA OUTLETS IN AREAS UNDERGOING DEMOLITION. IF ANY CABLING THAT IS PASSING THROUGH DEMOLITION AREAS AND IS TO REMAIN, THESE CABLES SHALL BE PROTECTED AND SUPPORTED AS REQUIRED.
- M. PROVIDE CONDUIT AND CABLE SUPPORTS TO BUILDING STRUCTURE FOR ALL UNSUPPORTED CONDUIT AND CABLING ABOVE ANY CEILING BEING REMOVED. SUPPORT AS REQUIRED BY THE CURRENT NATIONAL ELECTRICAL CODE. PROVIDE COVER PLATES FOR ALL EXISTING UNCOVERED JUNCTIONS BOXES ABOVE ANY CEILING BEING REMOVED.
- N. CONTRACTOR SHALL PROVIDE AND INSTALL DUST AND DEBRIS PROTECTION IN ALL AREAS OF EXISTING STRUCTURE WHERE NO WORK IS TO TAKE PLACE. UPON COMPLETION OF WORK, DEMOLISH AND REMOVE PROTECTION.
- O. CONTRACTOR SHALL RETAIN FIRE RATING AT ALL EXISTING RATED WALLS. ANY AND ALL OPENINGS OR PENETRATIONS LEFT AFTER DEMOLITION MUST BE INFILLED AND/OR SEALED IN MANNER TO RESTORE WALLS TO ORIGINAL INTEGRITY AND WALL RATING.
- P. ALL ITEMS SALVAGED FOR REINSTALLATION SHALL BE PROTECTED FROM DAMAGE AND STORED ON SITE IN A SECURE LOCATION. ITEMS TO BE REINSTALLED WILL BE CLEANED PRIOR TO INSTALLATION. IF ITEM IS DAMAGED IN ACT OF REMOVAL FROM ITS CURRENT LOCATION, NOTIFY OWNER AND ARCHITECT IMMEDIATELY.
- Q. THE INFORMATION ON THESE SHEETS IS DIAGRAMMATIC AND DOES NOT SHOW EACH AND EVERY CONDITION OF THE EXISTING BUILDING.

DEMO KEY NOTES

- 1 EXISTING SENSOR DIMMER RACK TO BE REMOVED AND TURNED OVER TO THE OWNER.
- 2 STAGE LIGHTING PANEL TO BE DEMOLISHED.
- 3 EXISTING IT PANEL TO REMAIN. PANEL TO BE RENAMED. SEE NEW WORK PLANS.
- 4 EXISTING LIGHT BAR WITH THEATRICAL LIGHTING TO BE DEMOLISHED AND TURNED OVER TO OWNER FOR RELOCATION.
- 5 EXISTING MAIN DISTRIBUTION PANEL MSP-A. EXISTING PANELS T, 1A, 1D, AND E SHALL BE DEMOLISHED. REMOVAL OF MAIN DISTRIBUTION PANEL MSP-A SHALL BE COORDINATED WITH OWNER AND WITH THE RELOCATION OF GENERATOR TO ENSURE THAT THE IT ROOM STAYS IN SERVICE DURING RENOVATION. ALL SITE LIGHTING FED VIA THE TIME CLOCKS AND RELAYS BELOW PANEL T SHALL REMAIN AND BE REFEED FROM NEW PANEL LD1B. ALL EXISTING EXTERIOR RECEPTACLES FED FROM PANEL T SHALL BE REFEED FROM NEW PANEL LD1B. NOTIFY OWNER IN WRITING 7 DAYS PRIOR TO ANY WORK PERTAINING TO EXISTING SITE LIGHTING PANEL AND TIME CLOCKS.
- 6 EXISTING RED DISCONNECT AND ABANDONED FIRE ALARM PANEL SHALL BE DEMOLISHED.
- 7 EXISTING ASCO 300 SERIES ATS, SERVING FEEDER FROM MAIN DISTRIBUTION PANEL MSP-A AND SECONDARY FEEDER TO IT PANEL TO REMAIN.
- 8 EXISTING AT&T SERVICE ENTRANCE IN METAL FLOOR BOX AND TELEPHONE BACKBOARD WITH EQUIPMENT TO REMAIN. ALL COPPER TELEPHONE AND FIBER CABLING ROUTED FROM THIS AREA TO MAIN IT ROOM SHALL REMAIN AND BE PROTECTED DURING DEMOLITION AND NEW CONSTRUCTION.
- 9 EXISTING IT ROOM CONDENSING UNIT TO REMAIN.
- 10 EXISTING PANEL TO BE DEMOLISHED.
- 11 EXISTING LIGHT FIXTURES IN STAIR TO BE DEMOLISHED. JUNCTION BOXES AND CONDUIT SHALL BE REUSED FOR NEW LIGHT FIXTURES IN BLOCK WALLS WHERE POSSIBLE.
- 12 NO WORK SHALL BE DONE IN THIS ROOM WITHOUT PRIOR OWNER APPROVAL. SEE GENERAL NOTE A, THIS SHEET.
- 13 EXISTING RF ANTENNA AT THIS LOCATION AND INTERNAL BUILDING CABLING AND DEVICES SHALL BE DEMOLISHED AND TURNED OVER TO OWNER FOR RELOCATION.

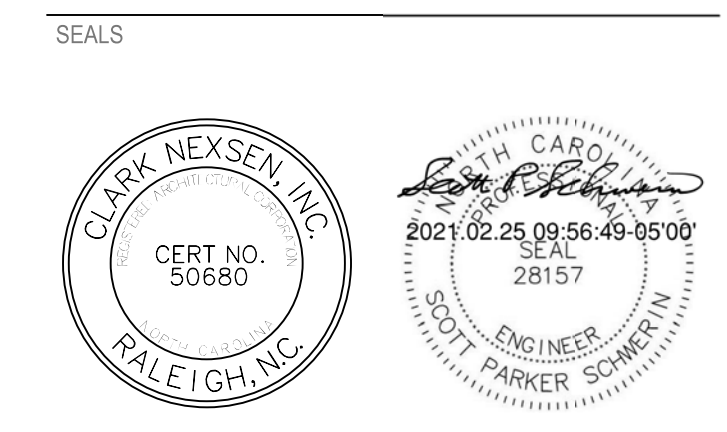
GRAPHIC SCALE(S)



HENDERSON COUNTY AND BLUE RIDGE
COMMUNITY COLLEGE
BRCC - PATTON HALL
INTERIOR RENOVATION
AND ADDITION
180 W CAMPUS DR.
FLAT ROCK, NC 28731

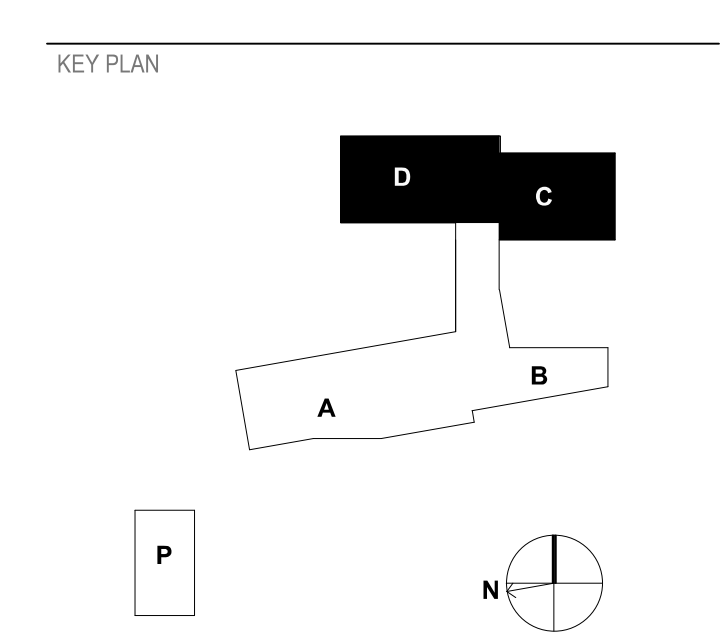


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10/19/20
CONSTRUCTION DOCUMENTS

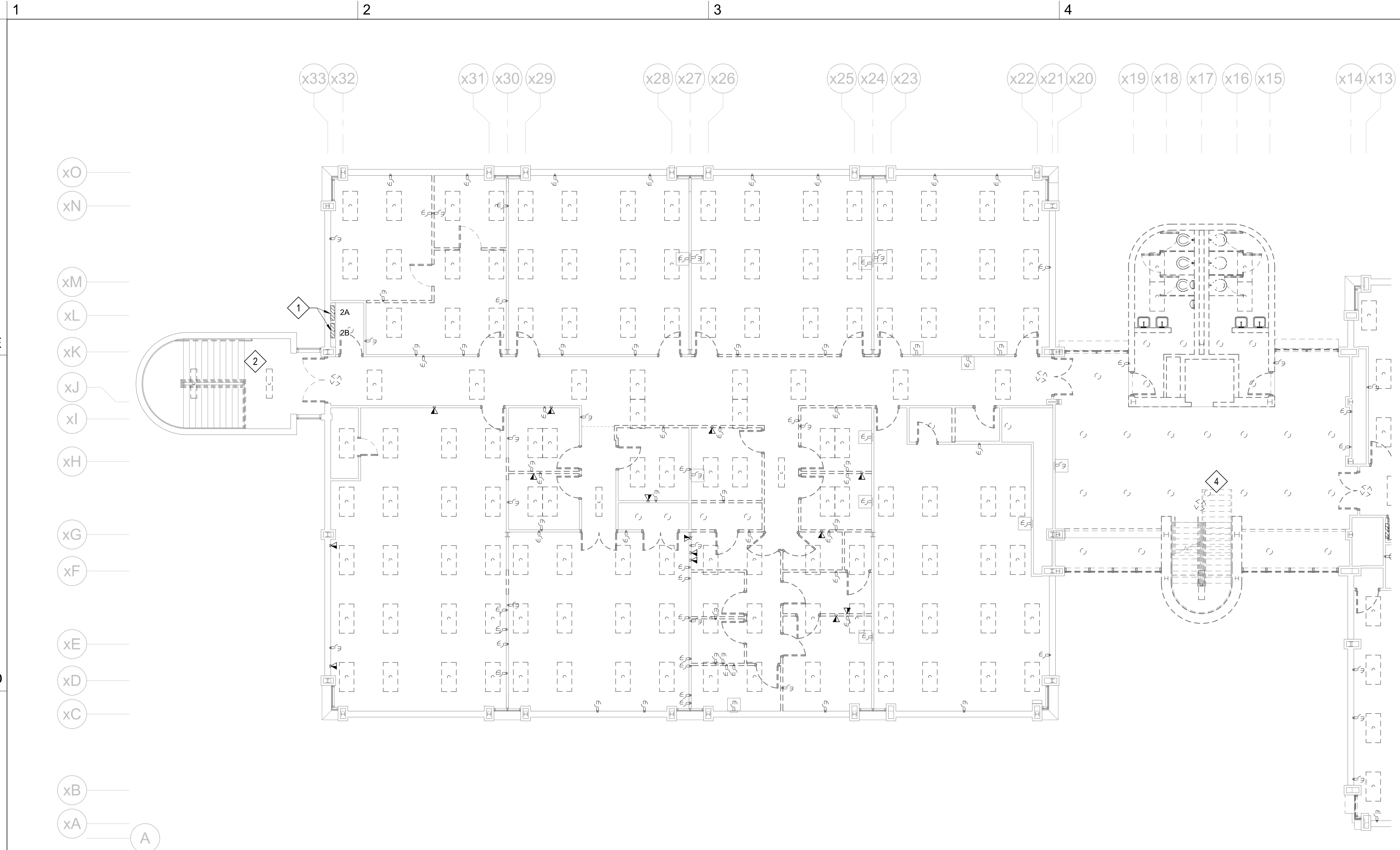
REVISIONS	DATE	DESCRIPTION
1	11/20/20	ADDENDUM 1
4	02/25/21	CONFORMED SET



SHEET
DEMOLITION PLAN - LEVEL 1

ED101

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS
CN 5199-L



1 DEMO PLAN - LEVEL 2 - AREA D
1/8" = 1'-0"



2 DEMO PLAN - LEVEL 2 - AREA C
1/8" = 1'-0"

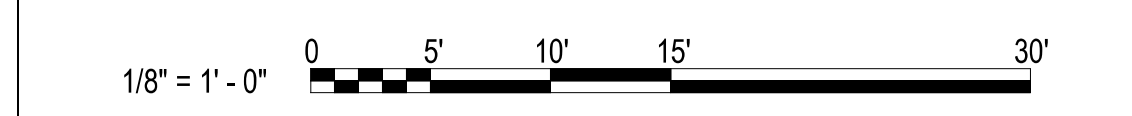
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DEMO KEY NOTES

- 1 EXISTING PANEL TO BE DEMOLISHED.
- 2 EXISTING LIGHT FIXTURES IN STAIR TO BE DEMOLISHED. JUNCTION BOXES AND CONDUIT SHALL BE REUSED FOR NEW LIGHT FIXTURES IN BLOCK WALLS WHERE POSSIBLE.
- 3 EXISTING DATA RACK AND TELEPHONE BACKBOARD IN THIS ROOM TO REMAIN.
- 4 ALL ELECTRICAL DEVICES AND EQUIPMENT IN PENTHOUSE SHALL BE DEMOLISHED.

GRAPHIC SCALE(S)



HENDERSON COUNTY AND BLUE RIDGE
COMMUNITY COLLEGE
BRCC - PATTON HALL
INTERIOR RENOVATION
AND ADDITION
180 W CAMPUS DR.
FLAT ROCK, NC 28731



DESIGNER

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SEALS



SUBMITTAL

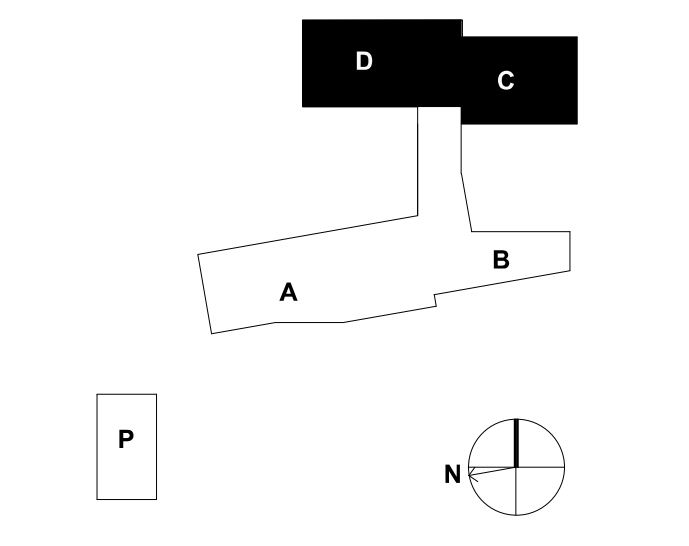
10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DATE	DESCRIPTION
1	11/20/20	ADDENDUM 1
4	02/25/21	CONFORMED SET

KEY PLAN



SHEET

DEMOLITION PLAN - LEVEL 2

ED102

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L

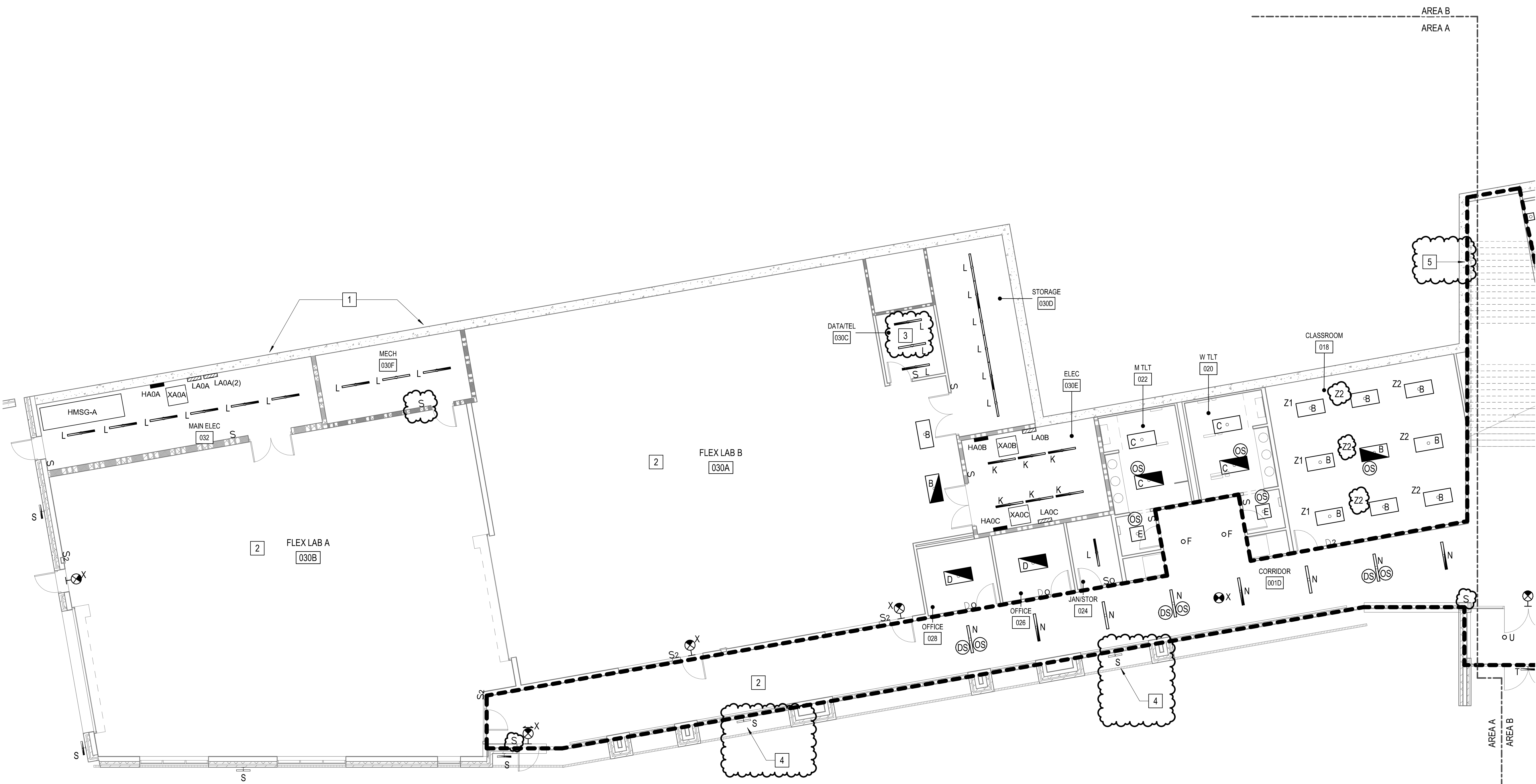
LIGHTING CIRCUIT SCHEDULE EL101		
ROOM DESCRIPTION	PANEL	CIRCUIT NUMBER
CORRIDOR 001D	HA0B	18
CLASSROOM 018	HA0B	18
W TLT 020	HA0B	18
M TLT 022	HA0B	18
JAN/STOR 024	HA0B	18
OFFICE 026	HA0B	18
OFFICE 028	HA0B	18
FLEX LAB B 030A	HA0C	14
FLEX LAB A 030B	HA0A	16
DATA/TEL 030C	HA0B	20
STORAGE 030D	HA0B	20
ELEC 030E	HA0B	20
MECH 030F	HA0B	22
MAIN ELEC 032	HA0B	22
EXTERIOR BLDG. LTG (LVL 0 AREA A)	HA0B	24

GENERAL NOTES

- A ALL RELAYS FOR LIGHTING CONTROLS SHALL BE MOUNTED INSIDE A 4X4 J-BOX PER MANUFACTURER'S RECOMMENDATIONS IN ROOMS WITH FOUR OR LESS RELAYS. WHERE ROOMS WITH MORE THAN FOUR RELAYS PROVIDE A HINGED, LOCKABLE METAL ENCLOSURE TO HOUSE ALL RELAYS (SIZE AS REQUIRED). ALL J-BOXES AND METAL ENCLOSURES SHALL BE MOUNTED ABOVE ACCESSIBLE CEILINGS.
- B COORDINATE FIXTURE LOCATIONS WITH ARCHITECTURAL RCPS PRIOR TO INSTALLATION.
- C CONTRACTOR TO PROVIDE ALL POWER CONNECTIONS, EQUIPMENT AND ASSOCIATED APPURTENANCES (LOW VOLTAGE CABLING, DIGITAL ROOM CONTROLLERS, RELAYS, POWER SUPPLIES, ETC.) FOR LIGHTING CONTROL SYSTEMS. CONTRACTOR SHALL ENSURE LIGHTING CONTROL SYSTEM IS FULLY FUNCTIONAL.
- D THESE PLANS INDICATE AREAS TO BE CONTROLLED BY MOTION SENSORS. SINCE COVERAGES AND DEVICES VARY BETWEEN MANUFACTURERS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE PROPER DEVICE LOCATION, ORIENTATION AND QUANTITIES WITH THE MANUFACTURER OF THE SYSTEM BEING INSTALLED TO MEET THE SPECIFIED CRITERIA.
- E CEILING SENSORS SUCH AS OCCUPANCY AND DAYLIGHT SENSORS ARE TO BE MOUNTED AWAY FROM ANY STRONG AIRFLOW. COORDINATE LOCATION OF SENSOR WITH MECHANICAL AND LIGHTING PLANS.
- F THE CONTRACTOR SHALL ENSURE LIGHT FIXTURES AND LIGHTING CONTROL SYSTEM USED ARE COMPATIBLE PRIOR TO ORDERING.
- G CONTRACTOR TO COORDINATE WITH ARCHITECT FOR INSTALLATION OF ANY DEVICES IN THE MULLION OF EACH ENTRANCE. NO EXPOSED CONDUIT OR BOXES SHALL BE ALLOWED ON MULLION.
- H FOR LIGHTING DEVICES, THE MOUNTING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS TO THE BOTTOM OF THE LIGHTING DEVICE.
- I CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ENSURE NO OBJECTS, EQUIPMENT, PIPES, DUCTS, ETC. ARE MOUNTED DIRECTLY BELOW LIGHTING FIXTURES PRIOR TO INSTALLATION. THIS WILL AFFECT THE CALCULATED LIGHT LEVELS IN THAT AREA.
- J COORDINATE MOUNTING HEIGHT OF MULLION MOUNTED EXTERIOR LIGHT FIXTURES WITH ARCHITECTURE.
- K ALL LIGHTING CIRCUITS LOCATED IN EXPOSED OR HARD CEILINGS SHALL BE ROUTED IN EMT CONDUIT.
- L ALL CORRIDOR LIGHTING CONTROLS SHALL BE SET TO OCCUPANCY MODE.

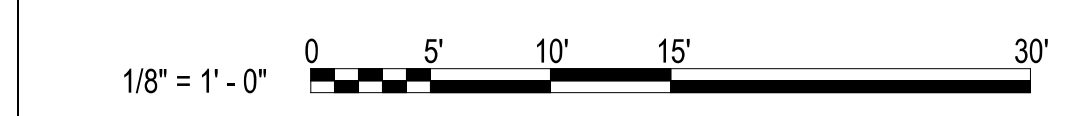
KEY NOTES

- 1 SEE EL103 FOR EXTERIOR LIGHTING ON THIS WALL.
- 2 OPEN TO ABOVE. SEE EL103 FOR LIGHTING LAYOUT IN THIS AREA.
- 3 ARRANGE LIGHT FIXTURES AROUND CABLE TRAY AS REQUIRED TO MINIMIZE SHADOWS AND SO CABLE TRAY MAY BE EASILY ACCESSED.
- 4 COORDINATE MOUNTING HEIGHT OF LIGHTING FIXTURE WITH ARCHITECTURAL PRIOR TO ELECTRICAL ROUGH IN.
- 5 ALL LIGHTING WITHIN THE DASHED AREAS ON SHEETS EL101, EL102, EL103, EL104, EL105, EL107 AND EL108 SHALL BE CONTROLLED (SWITCHED) TOGETHER. ALL FIXTURES NEAR WINDOWS SHALL BE ON ONE ZONE SO THAT THEY MAY BE CONTROLLED VIA DAYLIGHT SENSORS AND OCCUPANCY SENSORS. ALL OTHER LIGHTING SHALL BE A SECOND ZONE AND CONTROLLED BY OCCUPANCY SENSOR ONLY. ALL LIGHTING CONTROLS IN DASHED AREA SHALL BE SET TO OCCUPANCY MODE SO THAT LIGHTING RE-ENERGIZES WHEN SOMEONE ENTERS THE AREA.



1 LIGHTING FLOOR PLAN - LEVEL 0 - AREA A
1/8" = 1'-0"

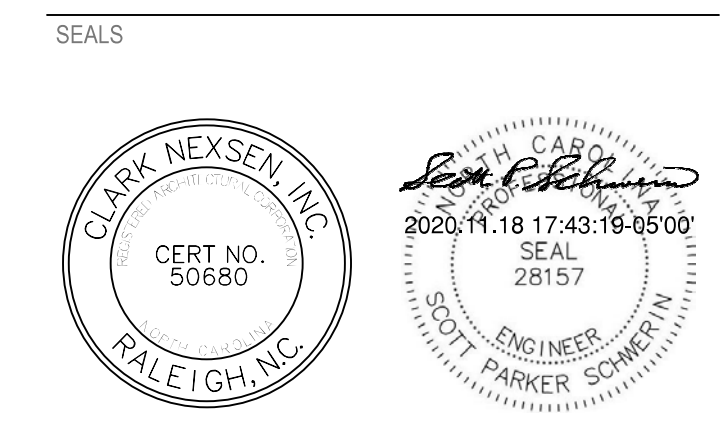
GRAPHIC SCALE(S)



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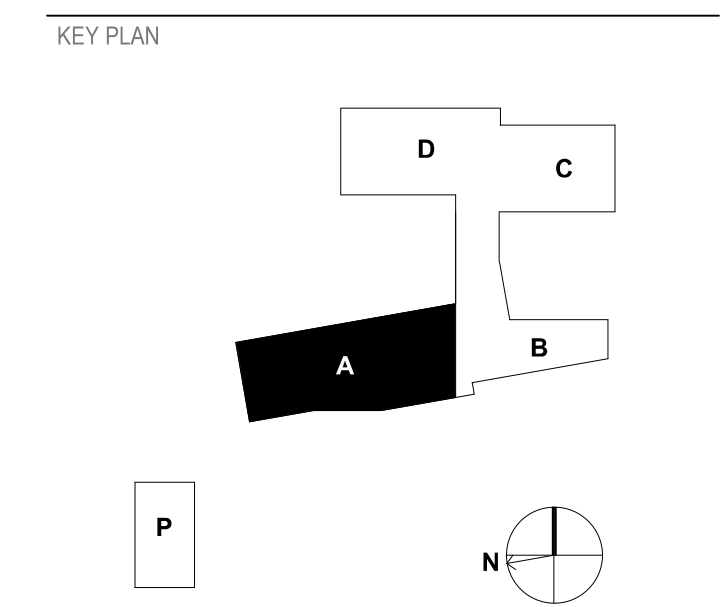
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www.clarknexsen.com



SUBMITTAL
10/19/20
CONSTRUCTION DOCUMENTS

REVISIONS

1	11/20/20	ADDENDUM 1



SHEET
**LIGHTING FLOOR PLAN - LEVEL
0 - AREA A**

EL101

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS
CN 5199-L

GENERAL NOTES

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- L ALL CORRIDOR LIGHTING CONTROLS SHALL BE SET TO OCCUPANCY MODE.

LIGHTING CIRCUIT SCHEDULE EL102		
ROOM DESCRIPTION	PANEL	CIRCUIT NUMBER
LOBBY 001	HBOA	8
VESTIBULE 001A	HBOA	8
COFFEE 001B	HBOA	8
CORRIDOR 001C	HBOA	10
LECTURE HALL 002	SENSOR DIMMER PANEL	10
TECH BOOTH 002A	SENSOR DIMMER PANEL	10
STAGE 002S	SENSOR DIMMER PANEL	10
STOR 003	HBOA	8
GREEN ROOM 005	HBOA	10
OFFICE 005A	HBOA	8
ELEC 007	HBOA	10
M.TLT 009	HBOA	10
W.TLT 011	HBOA	10
W.CHANGING 013	HBOA	10
M.CHANGING 015	HBOA	10
COSTUME STORAGE 017	HBOA	12
ELEVATOR PIT	HBOA	14
EXTERIOR BLDG. LITG (LV 0 AREA B)	HBOA	16

HENDERSON COUNTY AND BLUE RIDGE COMMUNITY COLLEGE
BRCC - PATTON HALL
INTERIOR RENOVATION
AND ADDITION
 180 W CAMPUS DR.
 FLAT ROCK, NC 28731

DESIGNER
CLARK NEXSEN
 301 College Street, Suite 300
 Asheville, North Carolina 28801
 828-232-0606
 www.clarknexsen.com

KEY NOTES

- 1 OPEN TO ABOVE. SEE EL104 FOR LIGHTING LAYOUT IN THIS AREA.
- 2 PROVIDE SPST TOGGLE SWITCH ADJACENT TO LADDER IN PIT TO CONTROL PIT LIGHT FIXTURE.
- 3 PROVIDE LITHONIA JELLY JAR TYPE QLV1WM FIXTURE OR EQUAL IN PIT. SEE LIGHTING FIXTURE SCHEDULE ON EL501.
- 4 PROVIDE J-BOX ON WALL AT 48" A.F.F FOR SENSOR DIMMER CONTROLLER PROVIDED AND INSTALLED BY OWNER. ROUTE 1/2" CONDUIT FROM J-BOX TO SENSOR DIMMER PANEL IN COSTUME STORAGE 017 AND ANOTHER 1/2" CONDUIT FROM J-BOX TO MASTER CONTROLLER IN TECH BOOTH 002A. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
- 5 ROUTE (2) 2" CONDUITS FROM SENSOR DIMMER PANEL UNDER SLAB TO MASTER CONTROLLER LOCATED IN TECH BOOTH 002A. COORDINATE EXACT STUB UP LOCATION AND REQUIREMENTS WITH OWNER.
- 6 PROVIDE POWER FOR RELOCATED THEATRICAL LIGHT BAR. PROVIDE FEEDERS IN CONDUIT FOR (6) DIMMED CIRCUITS ON EACH LIGHT BAR. ROUTE FEEDERS TO SENSOR DIMMER PANEL IN COSTUME STORAGE 017. COORDINATE EXACT REQUIREMENTS AND LOCATIONS WITH OWNER PRIOR TO ROUGH-IN. SIZE FEEDERS PER CURRENT NEC.
- 7 ALL LIGHTING IN LECTURE HALL 002 AND STAGE 002S SHALL BE CONTROLLED BY THE RELOCATED SENSOR DIMMER PANEL IN COSTUME STORAGE 017. CONTRACTOR TO ROUTE ALL LIGHTING CIRCUITS IN THESE AREAS TO SENSOR DIMMER PANEL IN COSTUME STORAGE 017. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH OWNER. SIZE FEEDERS PER CURRENT NEC.
- 8 RELOCATED SENSOR DIMMER PANEL. COORDINATE EXACT LOCATION WITH OWNER.
- 9 FIXTURE TYPE L MOUNTED AT 11'0" A.F.F. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT.
- 10 ALL LIGHTING WITHIN THE DASHED AREAS ON SHEETS EL101, EL102, EL103, EL104, EL105, EL107 AND EL108 SHALL BE CONTROLLED (SWITCHED) TOGETHER. ALL FIXTURES NEAR WINDOWS SHALL BE ON ONE ZONE SO THAT THEY MAY BE CONTROLLED VIA DAYLIGHT SENSORS AND OCCUPANCY SENSORS. ALL OTHER LIGHTING SHALL BE A SECOND ZONE AND CONTROLLED BY OCCUPANCY SENSOR ONLY. ALL LIGHTING CONTROLS IN DASHED AREA SHALL BE SET TO OCCUPANCY MODE SO THAT LIGHTING RE-ENERGIZES WHEN SOMEONE ENTERS THE AREA.
- 11 TYPE 'Y' FIXTURES SHALL ALSO BE CONTROLLED IN THE SAME MANNER AS LIGHT FIXTURES IN THE DASHED AREA. SEE NOTE 10 ON THIS SHEET. WALLWASH DOWNLIGHTS INTENDED TO ILLUMINATE BRCC SIGN LOCATED ON WALL IN THIS AREA. COORDINATE EXACT LOCATION OF SIGN AND DOWNLIGHTS WITH ARCHITECT/ OWNER PRIOR TO INSTALLATION.

SEALS

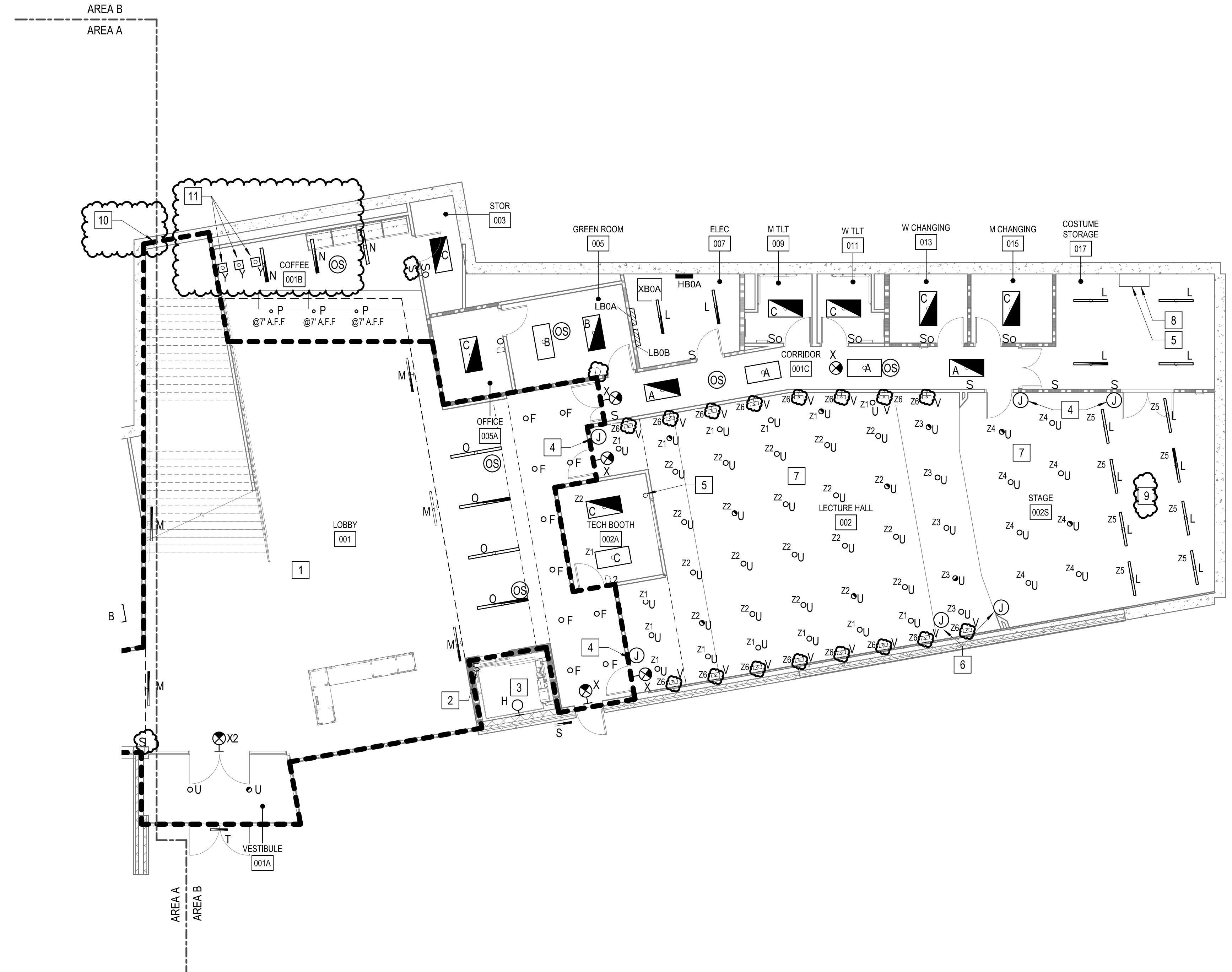
SUBMITTAL
 10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS

1	11/20/20	ADDENDUM 1

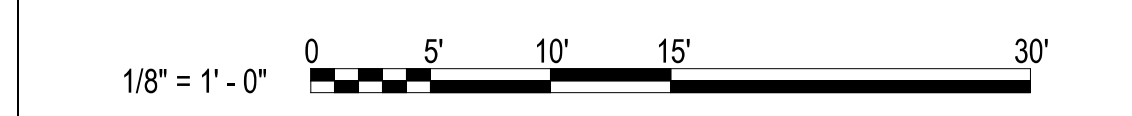
KEY PLAN



1 LIGHTING FLOOR PLAN - LEVEL 0 - AREA B

1/8" = 1'-0"

GRAPHIC SCALE(S)



SHEET
LIGHTING FLOOR PLAN - LEVEL 0 - AREA B

EL102

DESIGN: MRB
 DRAWN: SJB
 REVIEW: SPS

CN 5199-L

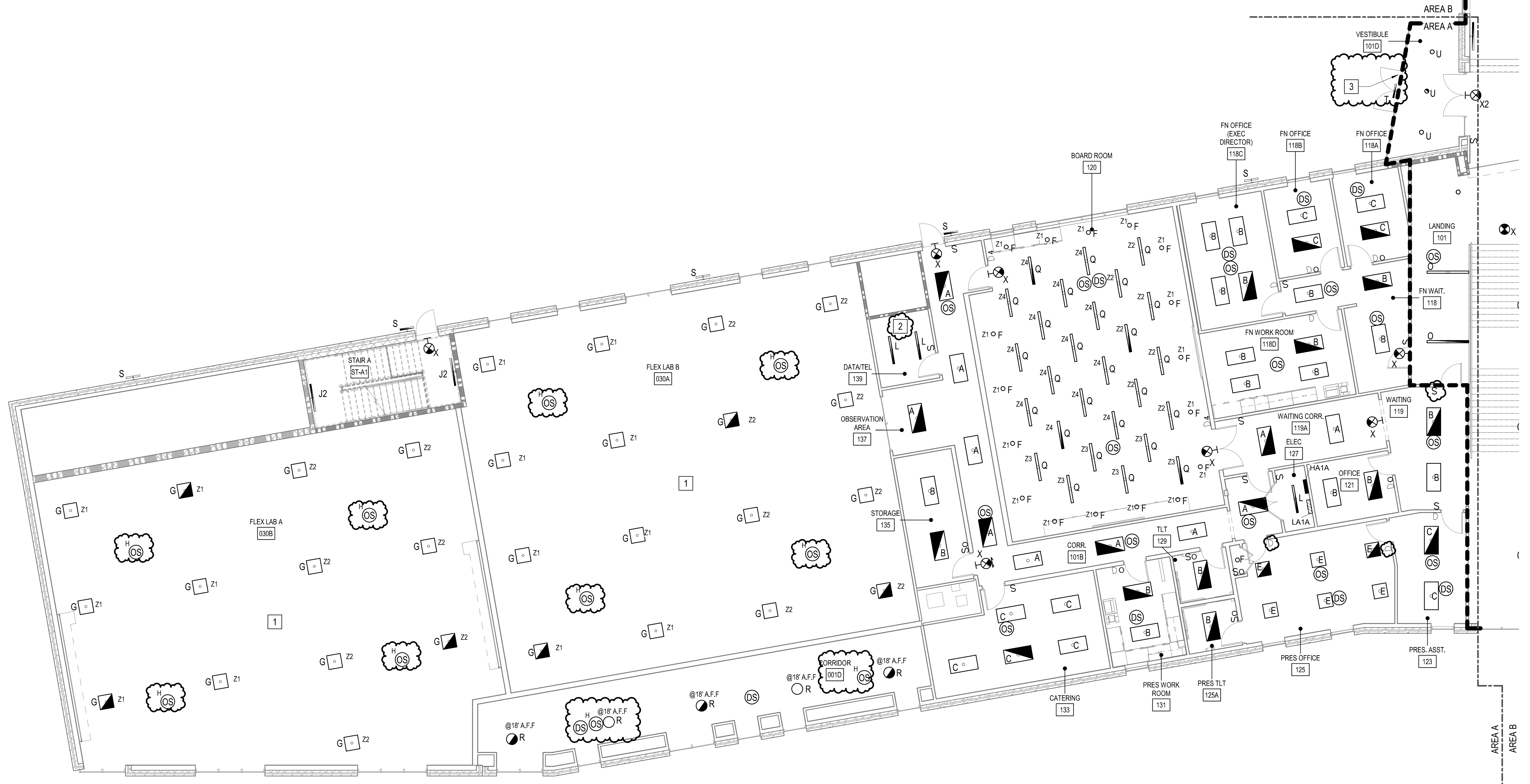
LIGHTING CIRCUIT SCHEDULE EL103		
ROOM DESCRIPTION	PANEL	CIRCUIT NUMBER
CORRIDOR 101B	HA1A	1
FN WAITING 118	HA1A	1
VESTIBULE 101D	HA1A	1
FN OFFICE 118A	HA1A	1
FN OFFICE 118B	HA1A	1
FN OFFICE EL. DIR. 118C	HA1A	1
FN WORK RM 118D	HA1A	1
WAITING 119	HA1A	3
WAITING CORR. 119A	HA1A	3
BOARD ROOM 120	HA1A	5
OFFICE 121	HA1A	3
PRES. ASST. 123	HA1A	3
PRES OFFICE 125	HA1A	3
PRES TL1 125A	HA1A	3
ELEC 127	HA1A	3
TLT 129	HA1A	5
PRES WORK RM 131	HA1A	5
CATERING 133	HA1A	5
STORAGE 135	HA1A	5
OBSERVATION AREA 137	HA1A	5
DATA/TEL 139	HA1A	5
STAIR A-ST-A1	HA1A	5
EXTERIOR BLDG. LTG (LVL 1 AREA A)	HA1A	7

GENERAL NOTES

- A ALL RELAYS FOR LIGHTING CONTROLS SHALL BE MOUNTED INSIDE A 4X4 J-BOX PER MANUFACTURER'S RECOMMENDATIONS IN ROOMS WITH FOUR OR LESS RELAYS. WHERE ROOMS WITH MORE THAN FOUR RELAYS PROVIDE A HINGED, LOCKABLE METAL ENCLOSURE TO HOUSE ALL RELAYS (SIZE AS REQUIRED). ALL J-BOXES AND METAL ENCLOSURES SHALL BE MOUNTED ABOVE ACCESSIBLE CEILINGS.
- B COORDINATE FIXTURE LOCATIONS WITH ARCHITECTURAL RCPS PRIOR TO INSTALLATION.
- C CONTRACTOR TO PROVIDE ALL POWER CONNECTIONS, EQUIPMENT AND ASSOCIATED APPURTENANCES (LOW VOLTAGE CABLING, DIGITAL ROOM CONTROLLERS, RELAYS, POWER SUPPLIES, ETC.) FOR LIGHTING CONTROL SYSTEMS. CONTRACTOR SHALL ENSURE LIGHTING CONTROL SYSTEM IS FULLY FUNCTIONAL.
- D THESE PLANS INDICATE AREAS TO BE CONTROLLED BY MOTION SENSORS. SINCE COVERAGES AND DEVICES VARY BETWEEN MANUFACTURERS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE PROPER DEVICE LOCATION, ORIENTATION AND QUANTITIES WITH THE MANUFACTURER OF THE SYSTEM BEING INSTALLED TO MEET THE SPECIFIED CRITERIA.
- E CEILING SENSORS SUCH AS OCCUPANCY AND DAYLIGHT SENSORS ARE TO BE MOUNTED AWAY FROM ANY STRONG AIRFLOW. COORDINATE LOCATION OF SENSOR WITH MECHANICAL AND LIGHTING PLANS.
- F THE CONTRACTOR SHALL ENSURE LIGHT FIXTURES AND LIGHTING CONTROL SYSTEM USED ARE COMPATIBLE PRIOR TO ORDERING.
- G CONTRACTOR TO COORDINATE WITH ARCHITECT FOR INSTALLATION OF ANY DEVICES IN THE MULLION OF EACH ENTRANCE. NO EXPOSED CONDUIT OR BOXES SHALL BE ALLOWED ON MULLION.
- H FOR LIGHTING DEVICES, THE MOUNTING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS TO THE BOTTOM OF THE LIGHTING DEVICE.
- I CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ENSURE NO OBJECTS, EQUIPMENT, PIPES, DUCTS, ETC. ARE MOUNTED DIRECTLY BELOW LIGHTING FIXTURES PRIOR TO INSTALLATION. THIS WILL AFFECT THE CALCULATED LIGHT LEVELS IN THAT AREA.
- J COORDINATE MOUNTING HEIGHT OF MULLION MOUNTED EXTERIOR LIGHT FIXTURES WITH ARCHITECTURE.
- K ALL LIGHTING CIRCUITS LOCATED IN EXPOSED OR HARD CEILINGS SHALL BE ROUTED IN EMT CONDUIT.
- L ALL CORRIDOR LIGHTING CONTROLS SHALL BE SET TO OCCUPANCY MODE.

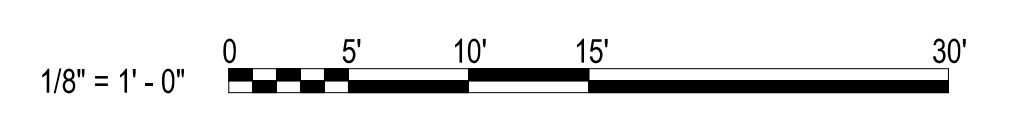
KEY NOTES

- 1 SEE SHEET EL101 FOR LIGHT SWITCH LOCATIONS AND TYPE IN THIS AREA.
- 2 ARRANGE LIGHT FIXTURES AROUND CABLE TRAY AS REQUIRED TO MINIMIZE SHADOWS AND SO CABLE TRAY MAY BE EASILY ACCESSED.
- 3 ALL LIGHTING WITHIN THE DASHED AREAS ON SHEETS EL101, EL102, EL103, EL104, EL105, EL107 AND EL108 SHALL BE CONTROLLED (SWITCHED) TOGETHER. ALL FIXTURES NEAR WINDOWS SHALL BE ON ONE ZONE SO THAT THEY MAY BE CONTROLLED VIA DAYLIGHT SENSORS AND OCCUPANCY SENSORS. ALL OTHER LIGHTING SHALL BE A SECOND ZONE AND CONTROLLED BY OCCUPANCY SENSOR ONLY. ALL LIGHTING CONTROLS IN DASHED AREA SHALL BE SET TO OCCUPANCY MODE SO THAT LIGHTING RE-ENERGIZES WHEN SOMEONE ENTERS THE AREA.



1 LIGHTING FLOOR PLAN - LEVEL 1 - AREA A
1/8" = 1'-0"

GRAPHIC SCALE(S)



HENDERSON COUNTY AND BLUE RIDGE
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DESIGNER

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SEALS



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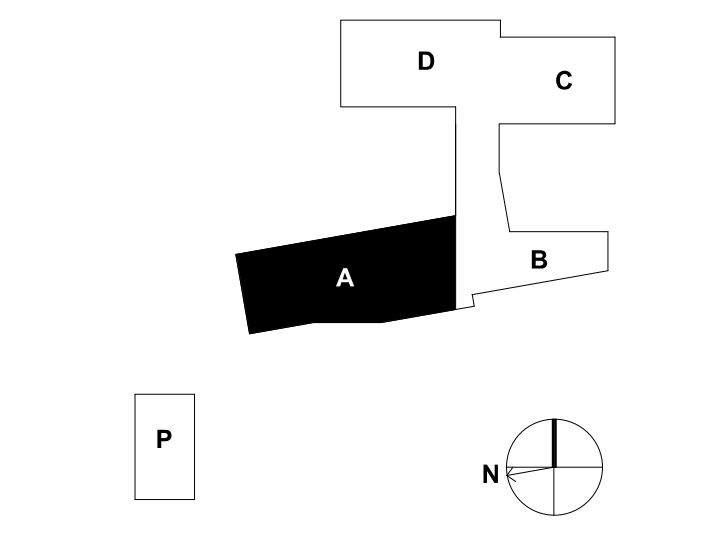
10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DATE	DESCRIPTION
1	11/20/20	ADDENDUM 1

KEY PLAN



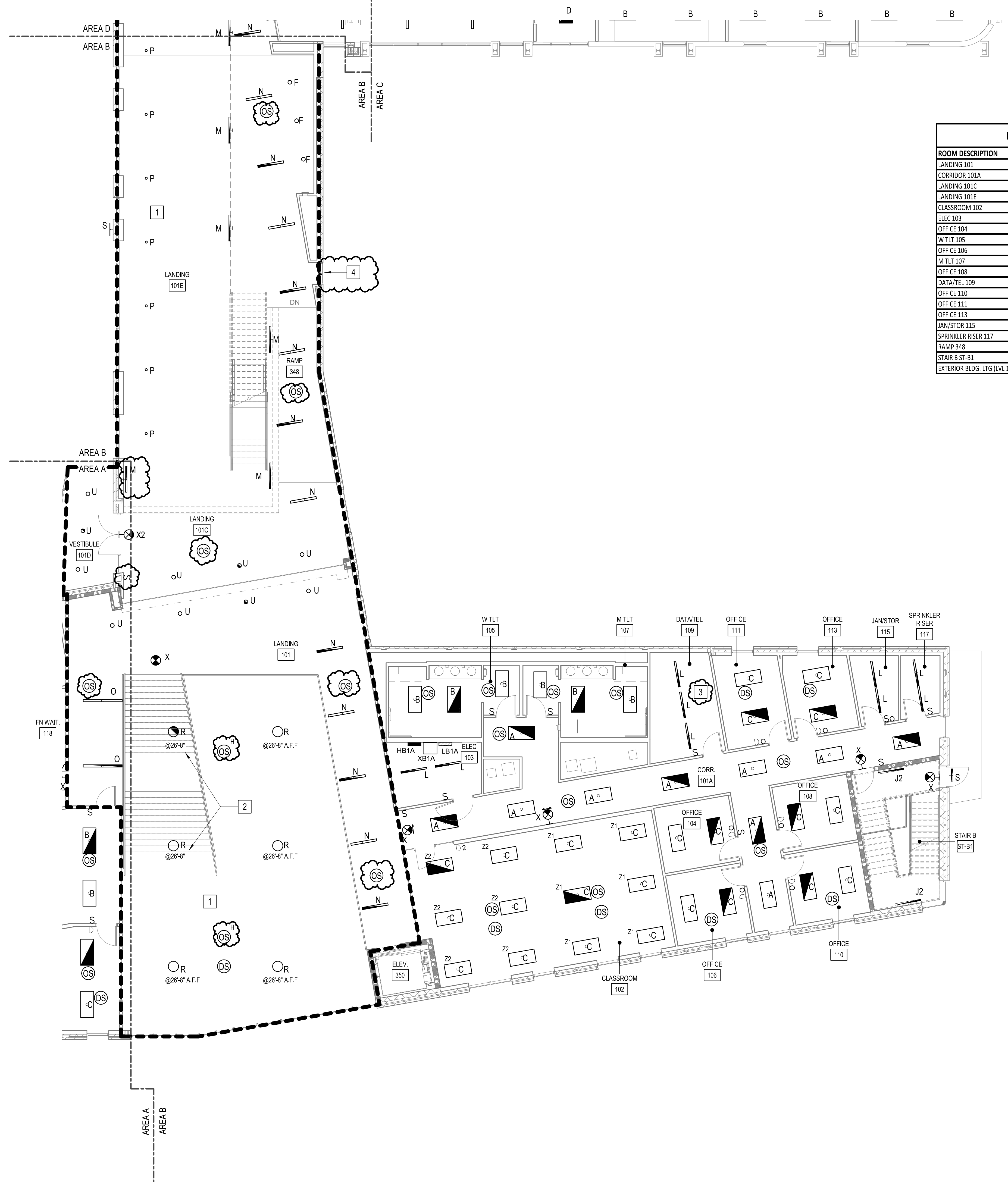
SHEET

LIGHTING FLOOR PLAN - LEVEL 1 - AREA A

EL103

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L



LIGHTING CIRCUIT SCHEDULE EL104		
ROOM DESCRIPTION	PANEL	CIRCUIT NUMBER
LANDING 101	HB1A	2
CORRIDOR 101A	HB1A	4
LANDING 101C	HB1A	2
LANDING 101E	HB1A	2
CLASSROOM 102	HB1A	6
ELEC 103	HB1A	4
OFFICE 104	HB1A	6
W.TLT 106	HB1A	4
OFFICE 106	HB1A	4
M.TLT 107	HB1A	4
OFFICE 108	HB1A	6
DATA/TEL 109	HB1A	4
OFFICE 110	HB1A	6
OFFICE 111	HB1A	4
OFFICE 113	HB1A	4
JAN/STOR 115	HB1A	4
SPRINKLER RISER 117	HB1A	4
RAMP 348	HB1A	2
STAR B ST-B1	HB1A	6
EXTERIOR BLDG. LTG (LV. 1 AREA B)	HB1A	8

GENERAL NOTES

- A ALL RELAYS FOR LIGHTING CONTROLS SHALL BE MOUNTED INSIDE A 4X4 J-BOX PER MANUFACTURER'S RECOMMENDATIONS IN ROOMS WITH FOUR OR LESS RELAYS. WHERE ROOMS WITH MORE THAN FOUR RELAYS PROVIDE A HINGED, LOCKABLE METAL ENCLOSURE TO HOUSE ALL RELAYS (SIZE AS REQUIRED). ALL J-BOXES AND METAL ENCLOSURES SHALL BE MOUNTED ABOVE ACCESSIBLE CEILINGS.
- B COORDINATE FIXTURE LOCATIONS WITH ARCHITECTURAL RCPS PRIOR TO INSTALLATION.
- C CONTRACTOR TO PROVIDE ALL POWER CONNECTIONS, EQUIPMENT AND ASSOCIATED APPURTENANCES (LOW VOLTAGE CABLING, DIGITAL ROOM CONTROLLERS, RELAYS, POWER SUPPLIES, ETC.) FOR LIGHTING CONTROL SYSTEMS. CONTRACTOR SHALL ENSURE LIGHTING CONTROL SYSTEM IS FULLY FUNCTIONAL.
- D THESE PLANS INDICATE AREAS TO BE CONTROLLED BY MOTION SENSORS. SINCE COVERAGES AND DEVICES VARY BETWEEN MANUFACTURERS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE PROPER DEVICE LOCATION, ORIENTATION AND QUANTITIES WITH THE MANUFACTURER OF THE SYSTEM BEING INSTALLED TO MEET THE SPECIFIED CRITERIA.
- E CEILING SENSORS SUCH AS OCCUPANCY AND DAYLIGHT SENSORS ARE TO BE MOUNTED AWAY FROM ANY STRONG AIRFLOW. COORDINATE LOCATION OF SENSOR WITH MECHANICAL AND LIGHTING PLANS.
- F THE CONTRACTOR SHALL ENSURE LIGHT FIXTURES AND LIGHTING CONTROL SYSTEM USED ARE COMPATIBLE PRIOR TO ORDERING.
- G CONTRACTOR TO COORDINATE WITH ARCHITECT FOR INSTALLATION OF ANY DEVICES IN THE MULLION OF EACH ENTRANCE. NO EXPOSED CONDUIT OR BOLTS SHALL BE ALLOWED ON MULLION.
- H FOR LIGHTING DEVICES, THE MOUNTING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS TO THE BOTTOM OF THE LIGHTING DEVICE.
- I CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ENSURE NO OBJECTS, EQUIPMENT, PIPES, DUCTS, ETC. ARE MOUNTED DIRECTLY BELOW LIGHTING FIXTURES PRIOR TO INSTALLATION. THIS WILL AFFECT THE CALCULATED LIGHT LEVELS IN THAT AREA.
- J COORDINATE MOUNTING HEIGHT OF MULLION MOUNTED EXTERIOR LIGHT FIXTURES WITH ARCHITECTURE.
- K ALL CORRIDOR LIGHTING CONTROLS SHALL BE SET TO OCCUPANCY MODE.

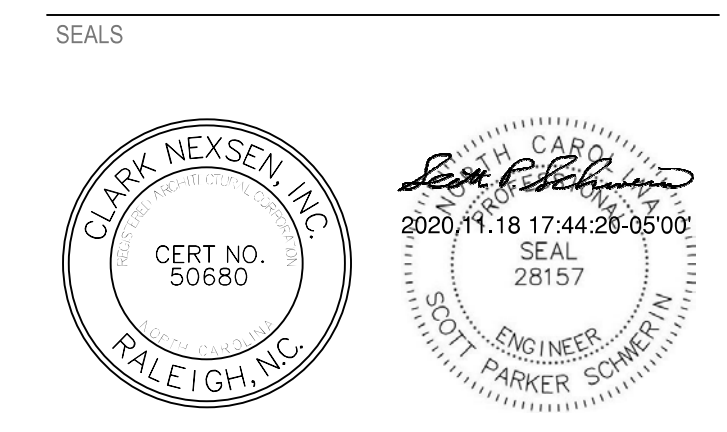
KEY NOTES

- 1 COORDINATE LOCATIONS OF LIGHTING FIXTURES IN THIS AREA WITH ARCHITECTURAL ACOUSTIC TILES.
- 2 MOUNTING HEIGHTS ARE FROM FINISHED FLOOR AT THE BOTTOM OF STAIRS. NOT FROM FINISHED SURFACE OF STAIRS. LIGHT FIXTURES SHALL BE MOUNTED AT SAME HEIGHT AS OTHER FIXTURES OF SAME TYPE IN THIS AREA.
- 3 ARRANGE LIGHT FIXTURES AROUND CABLE TRAY AS REQUIRED TO MINIMIZE SHADOWS AND SO CABLE TRAY MAY BE EASILY ACCESSED.
- 4 ALL LIGHTING WITHIN THE DASHED AREAS ON SHEETS EL101, EL102, EL103, EL104, EL105, EL107 AND EL108 SHALL BE CONTROLLED (SWITCHED) TOGETHER. ALL FIXTURES NEAR WINDOWS SHALL BE ON ONE ZONE SO THAT THEY MAY BE CONTROLLED VIA DAYLIGHT SENSORS AND OCCUPANCY SENSORS. ALL OTHER LIGHTING SHALL BE A SECOND ZONE AND CONTROLLED BY OCCUPANCY SENSOR ONLY. ALL LIGHTING CONTROLS IN DASHED AREA SHALL BE SET TO OCCUPANCY MODE SO THAT LIGHTING RE-ENERGIZES WHEN SOMEONE ENTERS THE AREA.

HENDERSON COUNTY AND BLUE RIDGE
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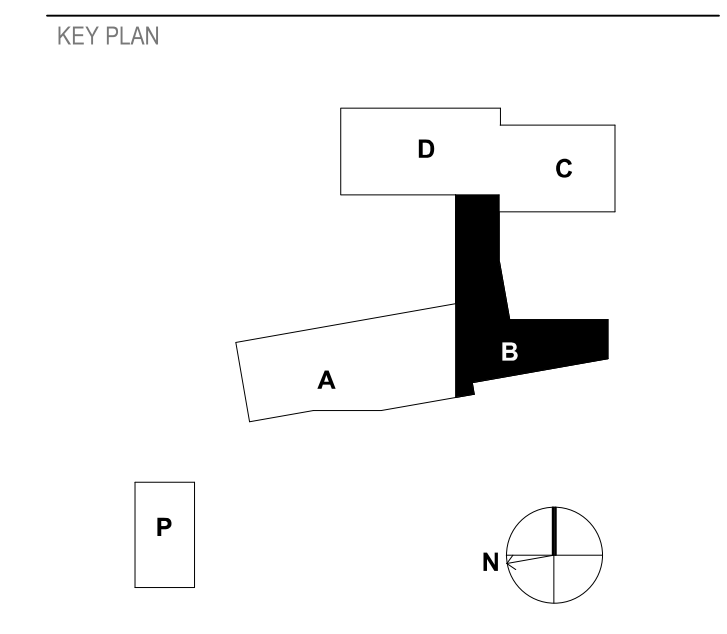
DESIGNER
CLARK NEXSEN
301 College Street, Suite 300
Asheville, North Carolina 28801
828-232-0606
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SUBMITTAL
10/19/20
CONSTRUCTION DOCUMENTS

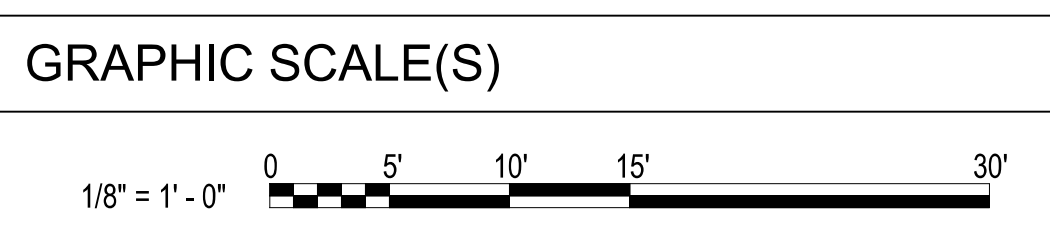
REVISIONS

1	11/20/20	ADDENDUM 1



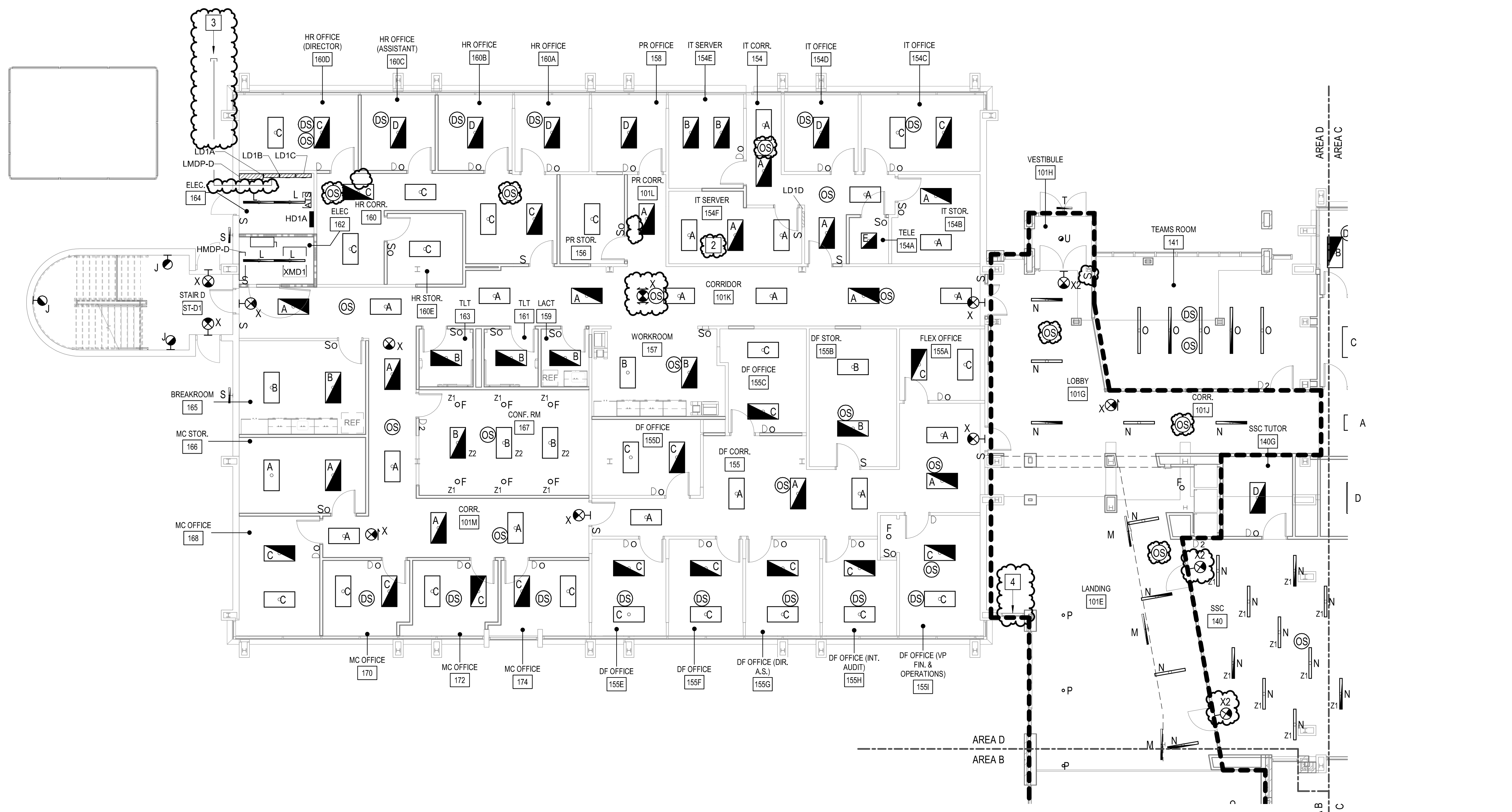
SHEET
LIGHTING FLOOR PLAN - LEVEL 1 - AREA B

EL104



DESIGN: MRB
DRAWN: SJB
REVIEW: SPS
CN 5199-L

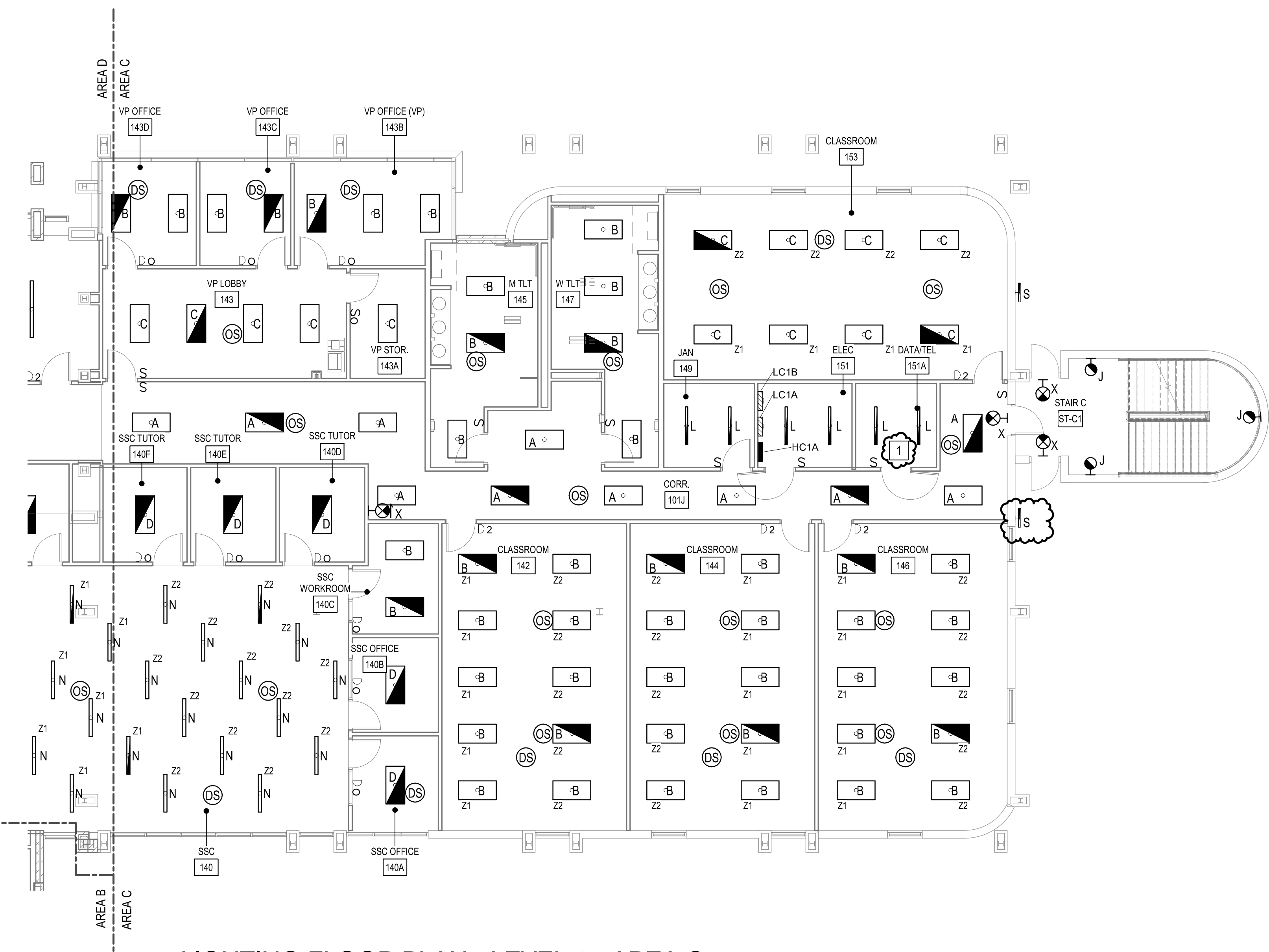
1 LIGHTING FLOOR PLAN - LEVEL 1 - AREA B
1/8" = 1'-0"



2 LIGHTING FLOOR PLAN - LEVEL 1 - AREA D
1/8" = 1'-0"

ROOM DESCRIPTION	PANEL	CIRCUIT NUMBER
LOBBY 101G	HD1A	11
VESTIBULE 101H	HD1A	11
CORRIDOR 101J	HC1A	7
CORRIDOR 101K	HD1A	11
PR CORR. 101L	HD1A	11
CORRIDOR 101M	HD1A	11
SSC 140	HC1A	1
SSC OFFICE 140A	HC1A	1
SSC OFFICE 140B	HC1A	1
SSC WORKROOM 140C	HC1A	1
SSC TUTOR 140D	HC1A	1
SSC TUTOR 140E	HC1A	1
SSC TUTOR 140F	HC1A	1
SSC TUTOR 140G	HC1A	1
TEAMS ROOM 141	HC1A	5
CLASSROOM 142	HC1A	3
VP LOBBY 143	HC1A	5
VP STOR. 143A	HC1A	5
VP OFFICE 143B	HC1A	5
VP OFFICE 143C	HC1A	5
OFFICE 143D	HC1A	5
CLASSROOM 144	HC1A	3
M TLT 145	HC1A	5
CLASSROOM 146	HC1A	3
W TLT 147	HC1A	5
JAN/STOR 149	HC1A	3
ELEC 151	HC1A	3
DATA TEL 151A	HC1A	3
CLASSROOM 153	HC1A	3
WATER HEATER 153A	HC1A	5
STAIR C ST-C1	HC1A	7
IT CORRIDOR 154	HD1A	1
TELE 154A	HD1A	1
IT STORAGE 154B	HD1A	1
IT OFFICE 154C	HD1A	1
EXTERIOR BLDG. LTG (AREA C)	HC1A	9

ROOM DESCRIPTION	PANEL	CIRCUIT NUMBER
IT OFFICE 154D	HD1A	1
IT SERVER 154E	HD1A	1
IT SERVER 154F	LD1D	EXISTING
DF CORRIDOR 155	HD1A	3
FLEX OFFICE 155A	HD1A	3
DF STOR. 155B	HD1A	3
DF OFFICE 155C	HD1A	3
DF OFFICE 155D	HD1A	3
DF OFFICE 155E	HD1A	13
DF OFFICE 155F	HD1A	13
DF OFFICE 155G	HD1A	13
DF OFFICE 155H	HD1A	13
DF OFFICE VP FIN. 155I	HD1A	13
PR STOR. 156	HD1A	5
WORKROOM 157	HD1A	1
PR OFFICE 158	HD1A	5
LACT 159	HD1A	5
HR CORRIDOR 160	HD1A	5
HR OFFICE 160A	HD1A	5
HR OFFICE 160B	HD1A	5
HR OFFICE 160C	HD1A	5
HR OFFICE 160D	HD1A	5
HR STOR. 160E	HD1A	5
TLT 161	HD1A	7
ELEC 162	HD1A	7
TLT 163	HD1A	7
ELEC 164	HD1A	7
BRK/STOR 165	HD1A	9
MC STOR. 166	HD1A	9
CONF. RM 167	HD1A	9
MC OFFICE 168	HD1A	9
MC OFFICE 170	HD1A	9
MC OFFICE 172	HD1A	9
MC OFFICE 174	HD1A	9
STAIR D ST-D1	HD1A	9
EXTERIOR BLDG. LTG (AREA D)	HD1A	15



1 LIGHTING FLOOR PLAN - LEVEL 1 - AREA C
1/8" = 1'-0"

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BlueRidge
 COMMUNITY COLLEGE

DESIGNER
CLARK NEXSEN

301 College Street, Suite 300
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 www.clarknexsen.com

- ### GENERAL NOTES
- A ALL RELAYS FOR LIGHTING CONTROLS SHALL BE MOUNTED INSIDE A 4X4 J-BOX PER MANUFACTURER'S RECOMMENDATIONS IN ROOMS WITH FOUR OR LESS RELAYS. WHERE ROOMS WITH MORE THAN FOUR RELAYS PROVIDE A HINGED, LOCKABLE METAL ENCLOSURE TO HOUSE ALL RELAYS (SIZE AS REQUIRED). ALL J-BOXES AND METAL ENCLOSURES SHALL BE MOUNTED ABOVE ACCESSIBLE CEILINGS.
 - B COORDINATE FIXTURE LOCATIONS WITH ARCHITECTURAL RCPS PRIOR TO INSTALLATION.
 - C CONTRACTOR TO PROVIDE ALL POWER CONNECTIONS, EQUIPMENT AND ASSOCIATED APPURTENANCES (LOW VOLTAGE CABLING, DIGITAL ROOM CONTROLLERS, RELAYS, POWER SUPPLIES, ETC.) FOR LIGHTING CONTROL SYSTEMS. CONTRACTOR SHALL ENSURE LIGHTING CONTROL SYSTEM IS FULLY FUNCTIONAL.
 - D THESE PLANS INDICATE AREAS TO BE CONTROLLED BY MOTION SENSORS. SINCE COVERAGES AND DEVICES VARY BETWEEN MANUFACTURERS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE PROPER DEVICE LOCATION, ORIENTATION AND QUANTITIES WITH THE MANUFACTURER OF THE SYSTEM BEING INSTALLED TO MEET THE SPECIFIED CRITERIA.
 - E CEILING SENSORS SUCH AS OCCUPANCY AND DAYLIGHT SENSORS ARE TO BE MOUNTED AWAY FROM ANY STRONG AIRFLOW. COORDINATE LOCATION OF SENSOR WITH MECHANICAL AND LIGHTING PLANS.
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 - H FOR LIGHTING DEVICES, THE MOUNTING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS TO THE BOTTOM OF THE LIGHTING DEVICE.
 - I CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ENSURE NO OBJECTS, EQUIPMENT, PIPES, DUCTS, ETC. ARE MOUNTED DIRECTLY BELOW LIGHTING FIXTURES PRIOR TO INSTALLATION. THIS WILL AFFECT THE CALCULATED LIGHT LEVELS IN THAT AREA.
 - J COORDINATE MOUNTING HEIGHT OF MULLION MOUNTED EXTERIOR LIGHT FIXTURES WITH ARCHITECTURE.
 - K ALL LIGHTING CIRCUITS LOCATED IN EXPOSED OR HARD CEILINGS SHALL BE ROUTED IN EMT CONDUIT.
 - L ALL CORRIDOR LIGHTING CONTROLS SHALL BE SET TO OCCUPANCY MODE.

- ### # KEY NOTES
- 1 ARRANGE LIGHT FIXTURES AROUND CABLE TRAY AS REQUIRED TO MINIMIZE SHADOWS AND SO CABLE TRAY MAY BE EASILY ACCESSED.
 - 2 NO WORK SHALL BE DONE IN THIS ROOM WITHOUT PRIOR OWNER APPROVAL. SEE GENERAL NOTE A ON SHEET ED101 FOR MORE INFORMATION.
 - 3 PROVIDE (4) 1" CONDUITS FROM PANEL LD1B TO SFT FROM BUILDING EXTERIOR AND CAP UNDERGRADE FOR FUTURE SITE LIGHTING CIRCUITS. PROVIDE CONCRETE MARKER, COORDINATE EXACT STUB OUT LOCATION WITH OWNER/ ARCHITECT.
 - 4 ALL LIGHTING WITHIN THE DASHED AREAS ON SHEETS EL101, EL102, EL103, EL104, EL105, EL107 AND EL108 SHALL BE CONTROLLED (SWITCHED) TOGETHER. ALL FIXTURES NEAR WINDOWS SHALL BE ON ONE ZONE SO THAT THEY MAY BE CONTROLLED VIA DAYLIGHT SENSORS AND OCCUPANCY SENSORS. ALL OTHER LIGHTING SHALL BE A SECOND ZONE AND CONTROLLED BY OCCUPANCY SENSOR ONLY. ALL LIGHTING CONTROLS IN DASHED AREA SHALL BE SET TO OCCUPANCY MODE SO THAT LIGHTING RE-ENERGIZES WHEN SOMEONE ENTERS THE AREA.

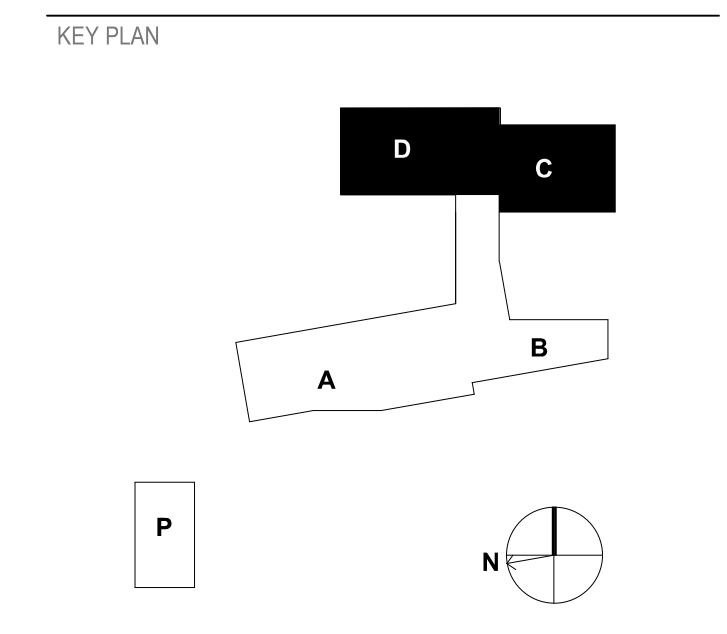
SEALS

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SUBMITTAL
 10/19/20
CONSTRUCTION DOCUMENTS

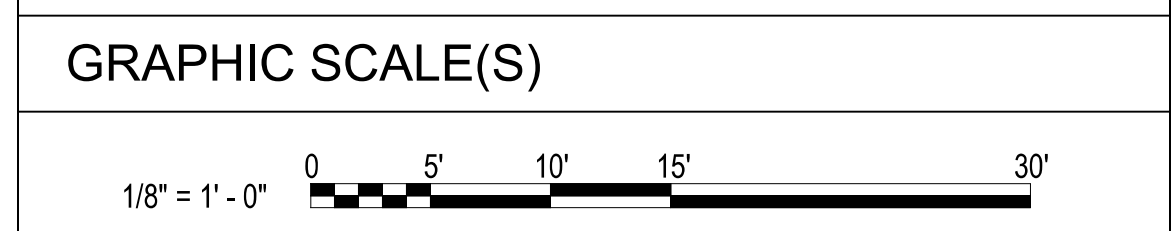
REVISIONS

1	11/20/20	ADDENDUM 1
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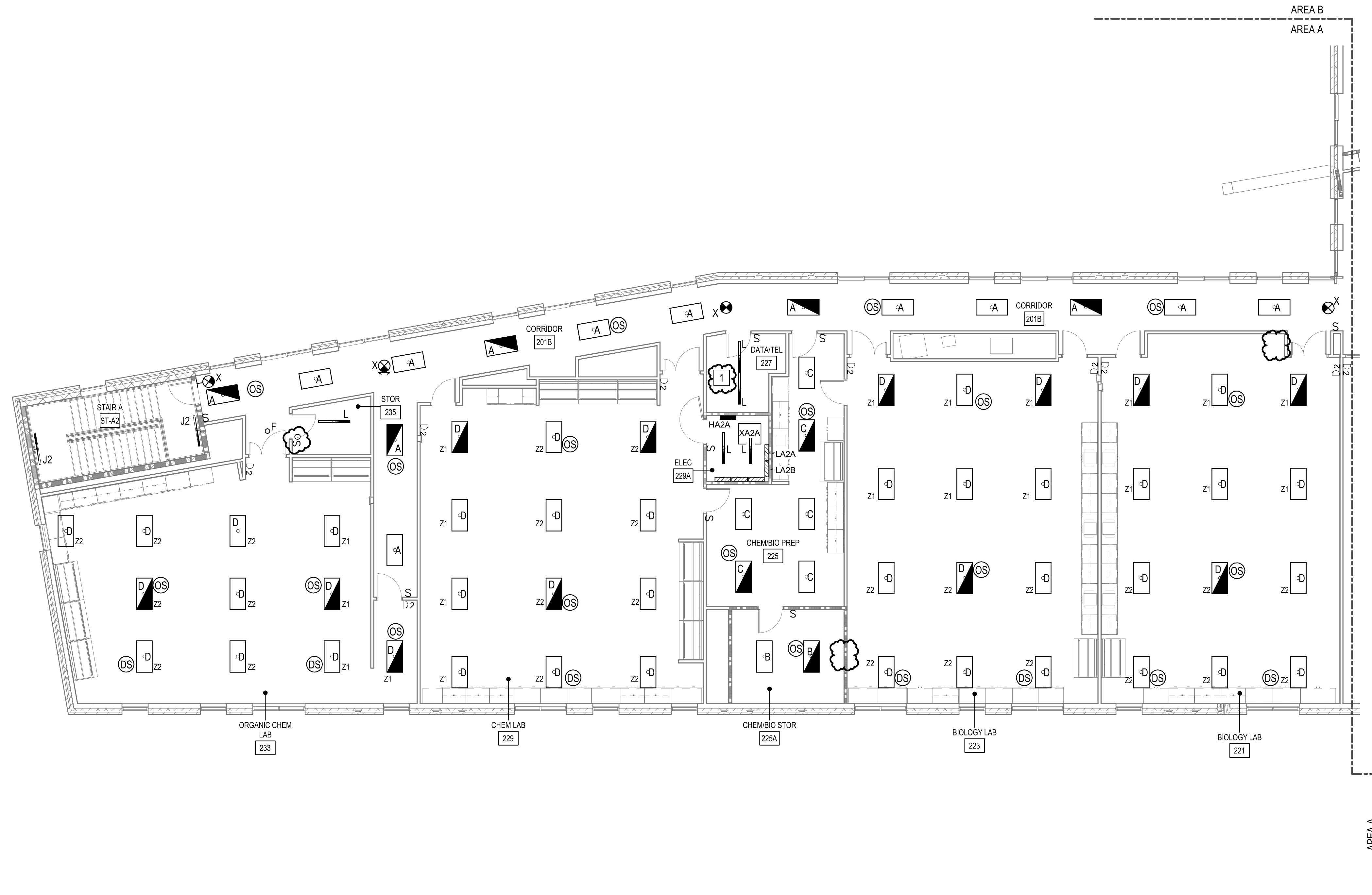
SHEET
LIGHTING FLOOR PLAN - LEVEL 1 - AREA C & D

EL105



DESIGN: MRB
 DRAWN: SJB
 REVIEW: SPS
 CN 5199-L

LIGHTING CIRCUIT SCHEDULE EL106		
ROOM DESCRIPTION	PANEL	CIRCUIT NUMBER
CORRIDOR 201B	HAZA	4
BIOLOGY LAB 221	HAZA	6
BIOLOGY LAB 223	HAZA	6
CHEM/BIO PREP 225	HAZA	4
CHEM/BIO STOR 225A	HAZA	4
DATA/TEL 227	HAZA	4
CHEM LAB 229	HAZA	2
ELEC 229A	HAZA	4
ORGANIC CHEM LAB 233	HAZA	2
STOR 235	HAZA	2
STAIR A ST-A2	HAZA	2



GENERAL NOTES

- A ALL RELAYS FOR LIGHTING CONTROLS SHALL BE MOUNTED INSIDE A 4X4 J-BOX PER MANUFACTURER'S RECOMMENDATIONS IN ROOMS WITH FOUR OR LESS RELAYS. WHERE ROOMS WITH MORE THAN FOUR RELAYS PROVIDE A HINGED, LOCKABLE METAL ENCLOSURE TO HOUSE ALL RELAYS (SIZE AS REQUIRED). ALL J-BOXES AND METAL ENCLOSURES SHALL BE MOUNTED ABOVE ACCESSIBLE CEILINGS.
- B COORDINATE FIXTURE LOCATIONS WITH ARCHITECTURAL RCPS PRIOR TO INSTALLATION.
- C CONTRACTOR TO PROVIDE ALL POWER CONNECTIONS, EQUIPMENT AND ASSOCIATED APPURTENANCES (LOW VOLTAGE CABLING, DIGITAL ROOM CONTROLLERS, RELAYS, POWER SUPPLIES, ETC.) FOR LIGHTING CONTROL SYSTEMS. CONTRACTOR SHALL ENSURE LIGHTING CONTROL SYSTEM IS FULLY FUNCTIONAL.
- D THESE PLANS INDICATE AREAS TO BE CONTROLLED BY MOTION SENSORS. SINCE COVERAGES AND DEVICES VARY BETWEEN MANUFACTURERS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE PROPER DEVICE LOCATION, ORIENTATION AND QUANTITIES WITH THE MANUFACTURER OF THE SYSTEM BEING INSTALLED TO MEET THE SPECIFIED CRITERIA.
- E CEILING SENSORS SUCH AS OCCUPANCY AND DAYLIGHT SENSORS ARE TO BE MOUNTED AWAY FROM ANY STRONG AIRFLOW. COORDINATE LOCATION OF SENSOR WITH MECHANICAL AND LIGHTING PLANS.
- F THE CONTRACTOR SHALL ENSURE LIGHT FIXTURES AND LIGHTING CONTROL SYSTEM USED ARE COMPATIBLE PRIOR TO ORDERING.
- G CONTRACTOR TO COORDINATE WITH ARCHITECT FOR INSTALLATION OF ANY DEVICES IN THE MULLION OF EACH ENTRANCE. NO EXPOSED CONDUIT OR BOXES SHALL BE ALLOWED ON MULLION.
- H FOR LIGHTING DEVICES, THE MOUNTING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS TO THE BOTTOM OF THE LIGHTING DEVICE.
- I CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ENSURE NO OBJECTS, EQUIPMENT, PIPES, DUCTS, ETC. ARE MOUNTED DIRECTLY BELOW LIGHTING FIXTURES PRIOR TO INSTALLATION. THIS WILL AFFECT THE CALCULATED LIGHT LEVELS IN THAT AREA.
- J COORDINATE MOUNTING HEIGHT OF MULLION MOUNTED EXTERIOR LIGHT FIXTURES WITH ARCHITECTURE.
- K ALL LIGHTING CIRCUITS LOCATED IN EXPOSED OR HARD CEILINGS SHALL BE ROUTED IN EMT CONDUIT.
- L ALL CORRIDOR LIGHTING CONTROLS SHALL BE SET TO OCCUPANCY MODE.

KEY NOTES

- L ARRANGE LIGHT FIXTURES AROUND CABLE TRAY AS REQUIRED TO MINIMIZE SHADOWS AND SO CABLE TRAY MAY BE EASILY ACCESSED.

HENDERSON COUNTY AND BLUE RIDGE
COMMUNITY COLLEGE
**BRCC - PATTON HALL
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180 W CAMPUS DR.
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DESIGNER

CLARK NEXSEN

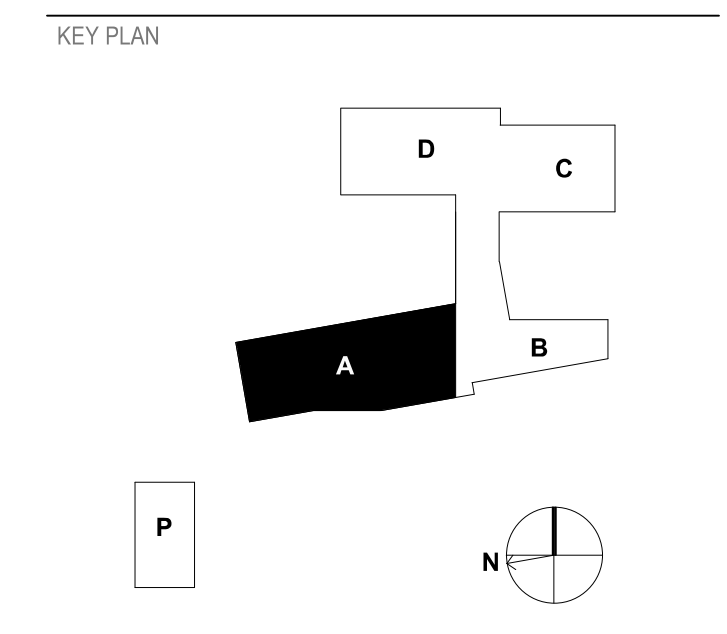
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828-232-0606
www.clarknexsen.com

SEALS

SUBMITTAL
10/19/20
CONSTRUCTION DOCUMENTS

REVISIONS

1	11/20/20	ADDENDUM 1



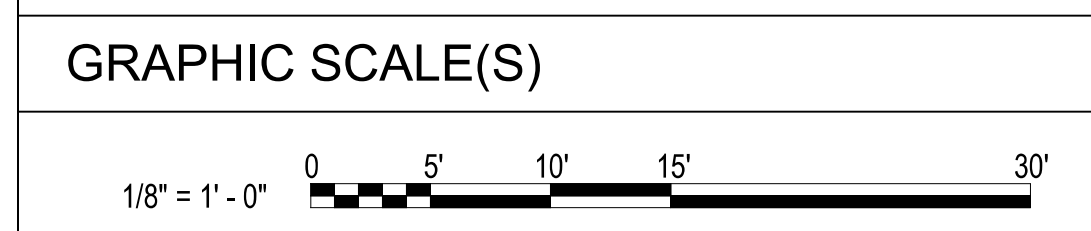
SHEET
**LIGHTING FLOOR PLAN - LEVEL
2 - AREA A**

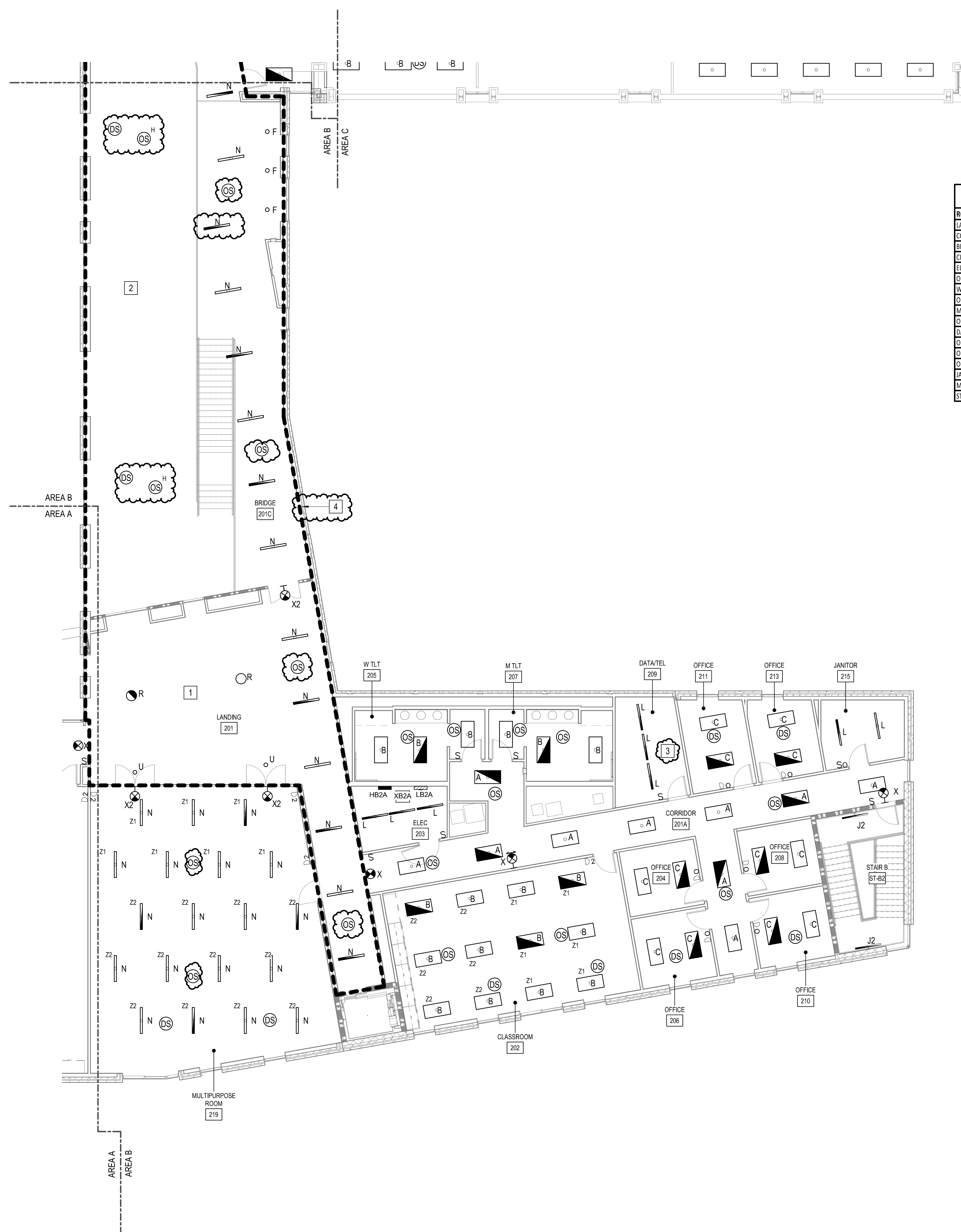
EL 106

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L

LIGHTING FLOOR PLAN - LEVEL 2 - AREA A
1/8" = 1'-0"





LIGHTING CIRCUIT SCHEDULE EL107		
ROOM DESCRIPTION	PANEL	CIRCUIT NUMBER
LANDING 201	HB2A	7
CORRIDOR 201A	HB2A	9
BRIDGE 201C	HB2A	7
CLASSROOM 202	HB2A	11
ELEC 203	HB2A	9
OFFICE 204	HB2A	11
WTLT 205	HB2A	9
OFFICE 206	HB2A	11
MTLT 207	HB2A	9
OFFICE 208	HB2A	11
DATA/TEL 209	HB2A	9
OFFICE 210	HB2A	11
OFFICE 211	HB2A	9
OFFICE 213	HB2A	9
JANITOR 215	HB2A	9
MULTIPURPOSE RM 219	HB2A	7
STAIR B-ST-B2	HB2A	11

GENERAL NOTES

- A ALL RELAYS FOR LIGHTING CONTROLS SHALL BE MOUNTED INSIDE A 4X4 J-BOX PER MANUFACTURER'S RECOMMENDATIONS IN ROOMS WITH FOUR OR LESS RELAYS. WHERE ROOMS WITH MORE THAN FOUR RELAYS PROVIDE A HINGED, LOCKABLE METAL ENCLOSURE TO HOUSE ALL RELAYS (SIZE AS REQUIRED). ALL J-BOXES AND METAL ENCLOSURES SHALL BE MOUNTED ABOVE ACCESSIBLE CEILINGS.
- B COORDINATE FIXTURE LOCATIONS WITH ARCHITECTURAL RCPS PRIOR TO INSTALLATION.
- C CONTRACTOR TO PROVIDE ALL POWER CONNECTIONS, EQUIPMENT AND ASSOCIATED APPURTENANCES (LOW VOLTAGE CABLING, DIGITAL ROOM CONTROLLERS, RELAYS, POWER SUPPLIES, ETC.) FOR LIGHTING CONTROL SYSTEMS. CONTRACTOR SHALL ENSURE LIGHTING CONTROL SYSTEM IS FULLY FUNCTIONAL.
- D THESE PLANS INDICATE AREAS TO BE CONTROLLED BY MOTION SENSORS. SINCE COVERAGES AND DEVICES VARY BETWEEN MANUFACTURERS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE PROPER DEVICE LOCATION, ORIENTATION AND QUANTITIES WITH THE MANUFACTURER OF THE SYSTEM BEING INSTALLED TO MEET THE SPECIFIED CRITERIA.
- E CEILING SENSORS SUCH AS OCCUPANCY AND DAYLIGHT SENSORS ARE TO BE MOUNTED AWAY FROM ANY STRONG AIRFLOW. COORDINATE LOCATION OF SENSOR WITH MECHANICAL AND LIGHTING PLANS.
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- J COORDINATE MOUNTING HEIGHT OF MULLION MOUNTED EXTERIOR LIGHT FIXTURES WITH ARCHITECTURE.
- K ALL LIGHTING CIRCUITS LOCATED IN EXPOSED OR HARD CEILINGS SHALL BE ROUTED IN EMT CONDUIT.
- L ALL CORRIDOR LIGHTING CONTROLS SHALL BE SET TO OCCUPANCY MODE.

KEY NOTES

- 1 COORDINATE LOCATIONS OF LIGHTING FIXTURES IN THIS AREA WITH ARCHITECTURAL ACOUSTIC TILES.
- 2 OPEN TO BELOW. SEE EL104 FOR LIGHTING LAYOUT IN THIS AREA.
- 3 ARRANGE LIGHT FIXTURES AROUND CABLE TRAY AS REQUIRED TO MINIMIZE SHADOWS AND SO CABLE TRAY MAY BE EASILY ACCESSED.
- 4 ALL LIGHTING WITHIN THE DASHED AREAS ON SHEETS EL101, EL102, EL103, EL104, EL105, EL107 AND EL108 SHALL BE CONTROLLED (SWITCHED) TOGETHER. ALL FIXTURES NEAR WINDOWS SHALL BE ON ONE ZONE SO THAT THEY MAY BE CONTROLLED VIA DAYLIGHT SENSORS AND OCCUPANCY SENSORS. ALL OTHER LIGHTING SHALL BE A SECOND ZONE AND CONTROLLED BY OCCUPANCY SENSOR ONLY. ALL LIGHTING CONTROLS IN DASHED AREA SHALL BE SET TO OCCUPANCY MODE SO THAT LIGHTING RE-ENERGIZES WHEN SOMEONE ENTERS THE AREA.

HENDERSON COUNTY AND BLUE RIDGE
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180 W CAMPUS DR.
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DESIGNER

CLARK NEXSEN

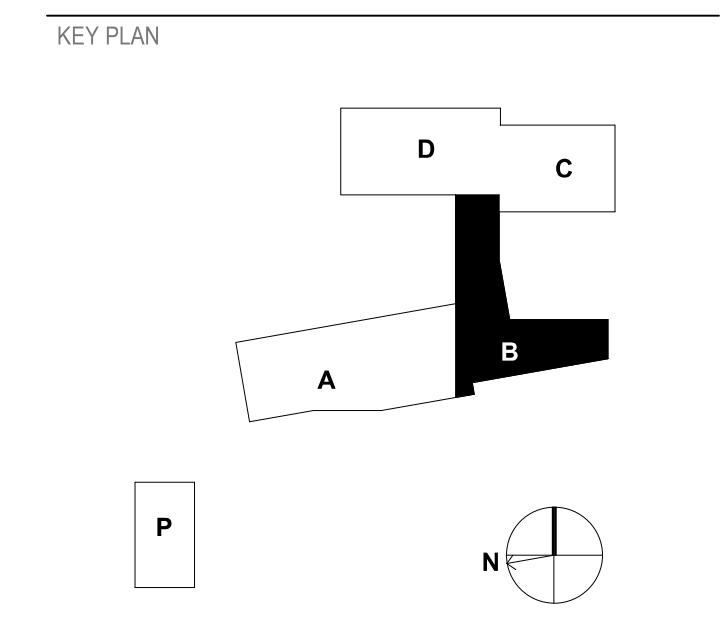
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SEALS

SUBMITTAL
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CONSTRUCTION DOCUMENTS

REVISIONS

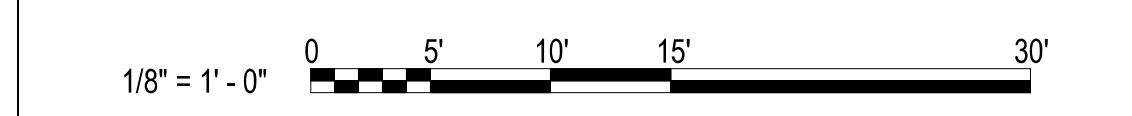
1	11/20/20	ADDENDUM 1



SHEET
LIGHTING FLOOR PLAN - LEVEL 2 - AREA B

EL107

GRAPHIC SCALE(S)



DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L

1 LIGHTING FLOOR PLAN - LEVEL 2 - AREA B
1/8" = 1'-0"

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KEY NOTES

- 1 OPEN TO BELOW. SEE EL105 FOR LIGHTING LAYOUT IN THIS AREA.
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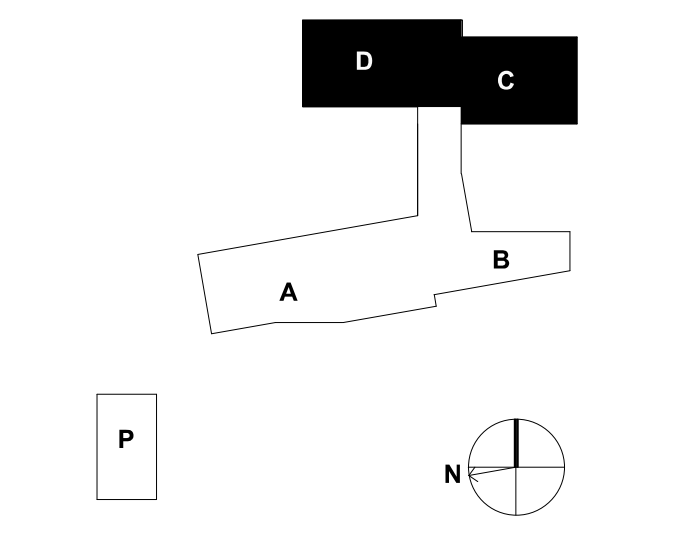
SEALS

SUBMITTAL
10/19/20
CONSTRUCTION DOCUMENTS

REVISIONS

1	11/20/20	ADDENDUM 1
3	12/21/20	DOI Review Comments
4	02/25/21	CONFORMED SET
7	05/12/21	Early Childhood

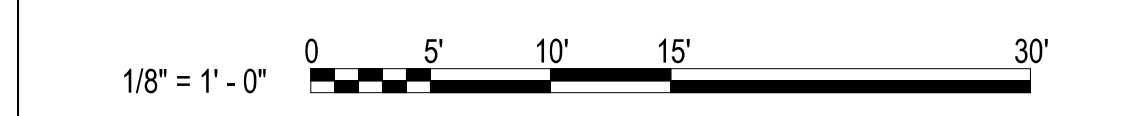
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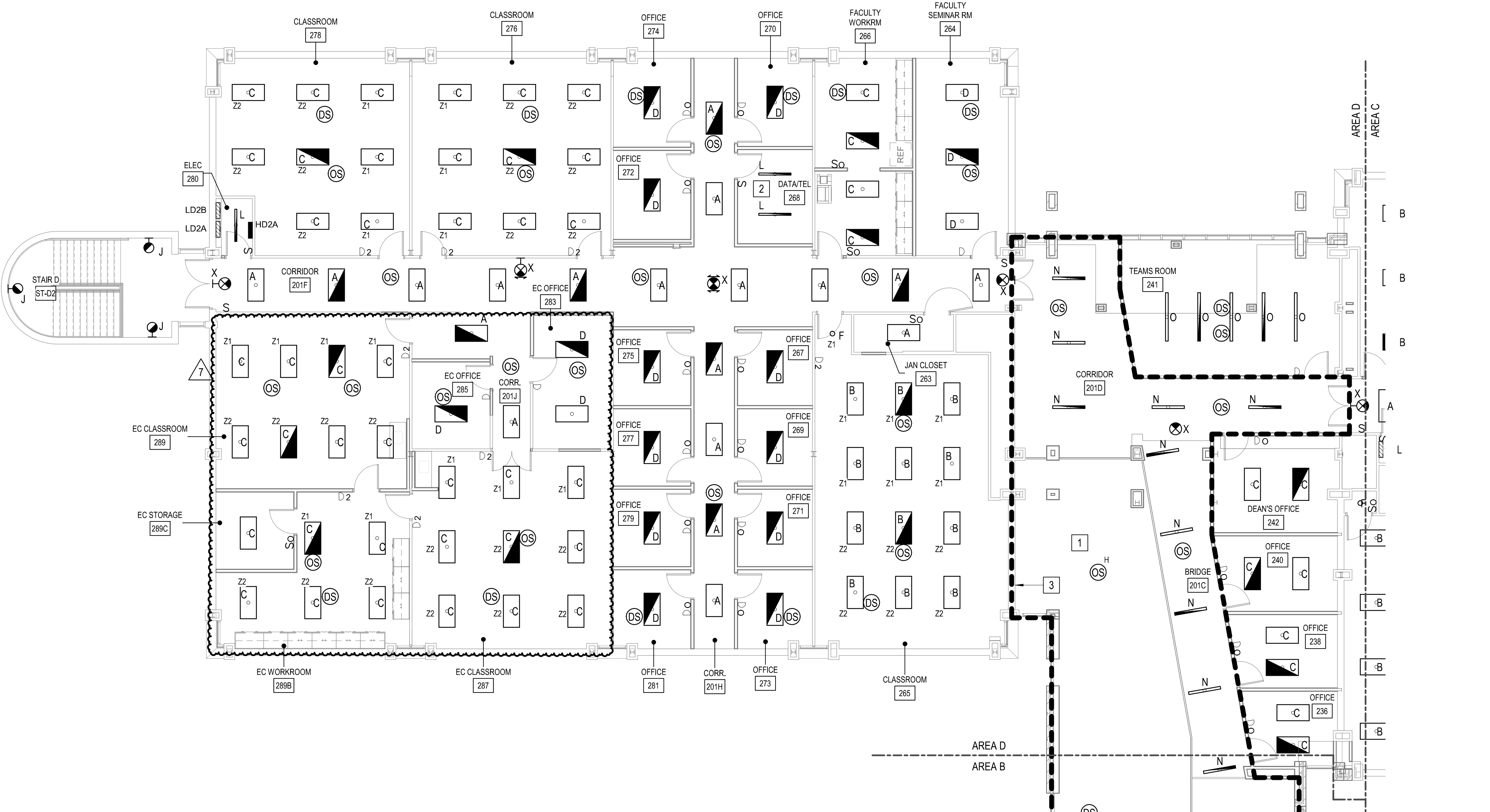
SHEET
LIGHTING FLOOR PLAN - LEVEL 2 - AREA C & D

EL108

GRAPHIC SCALE(S)



DESIGN: MRB
DRAWN: SJB
REVIEW: SPS
CN 5199-L



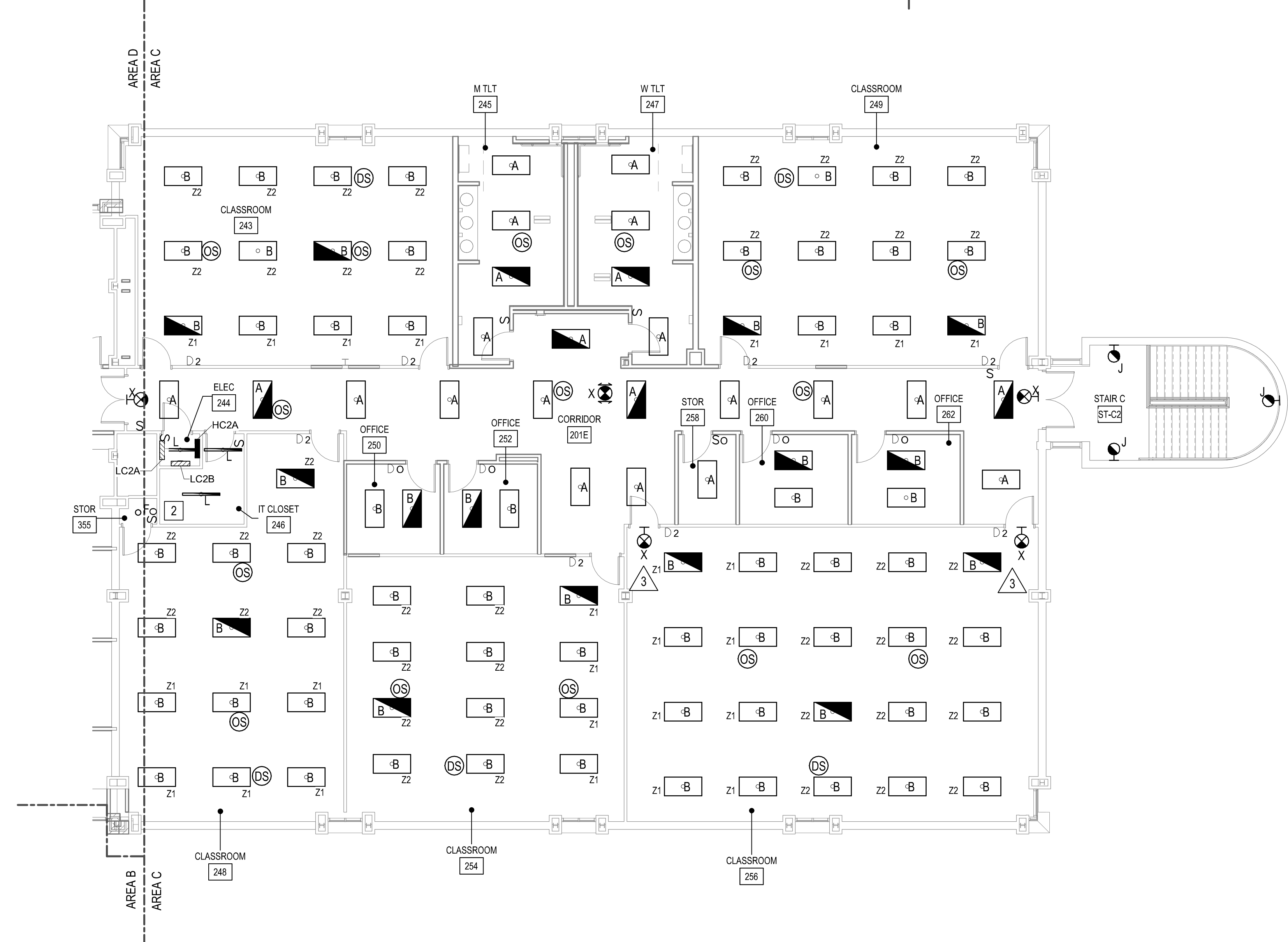
LIGHTING FLOOR PLAN - LEVEL 2 - AREA D
1/8" = 1'-0"

LIGHTING CIRCUIT SCHEDULE EL108

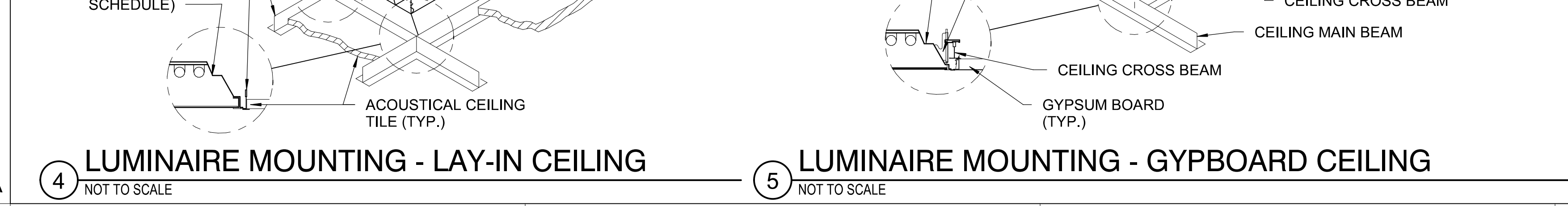
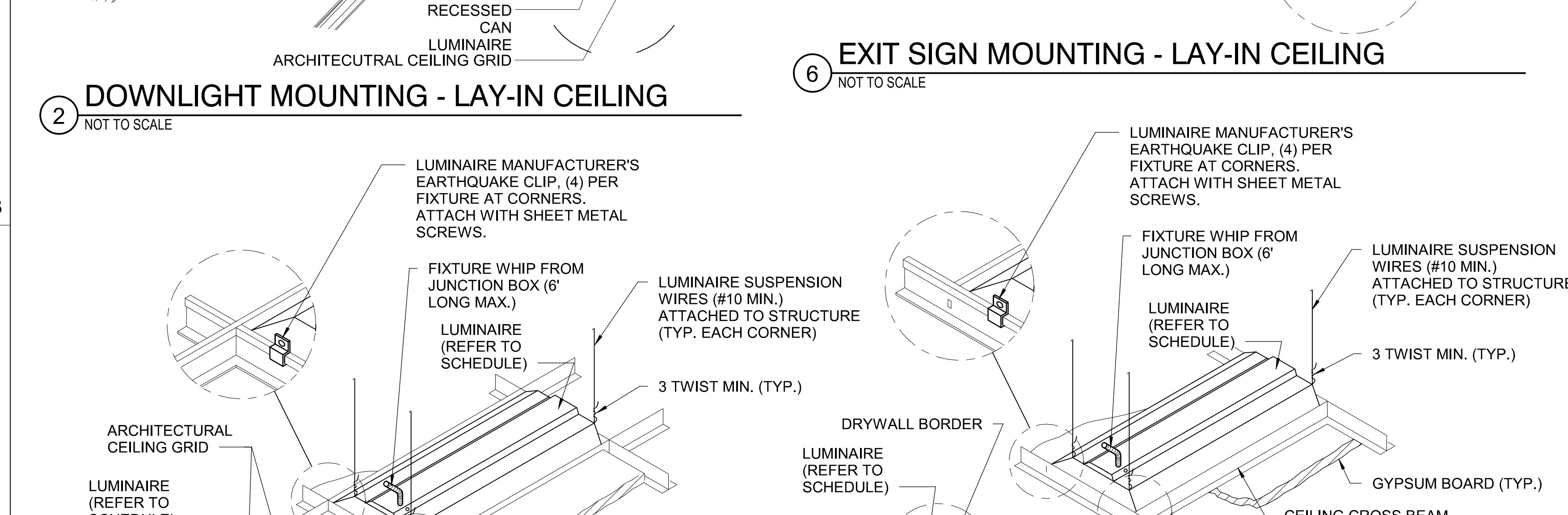
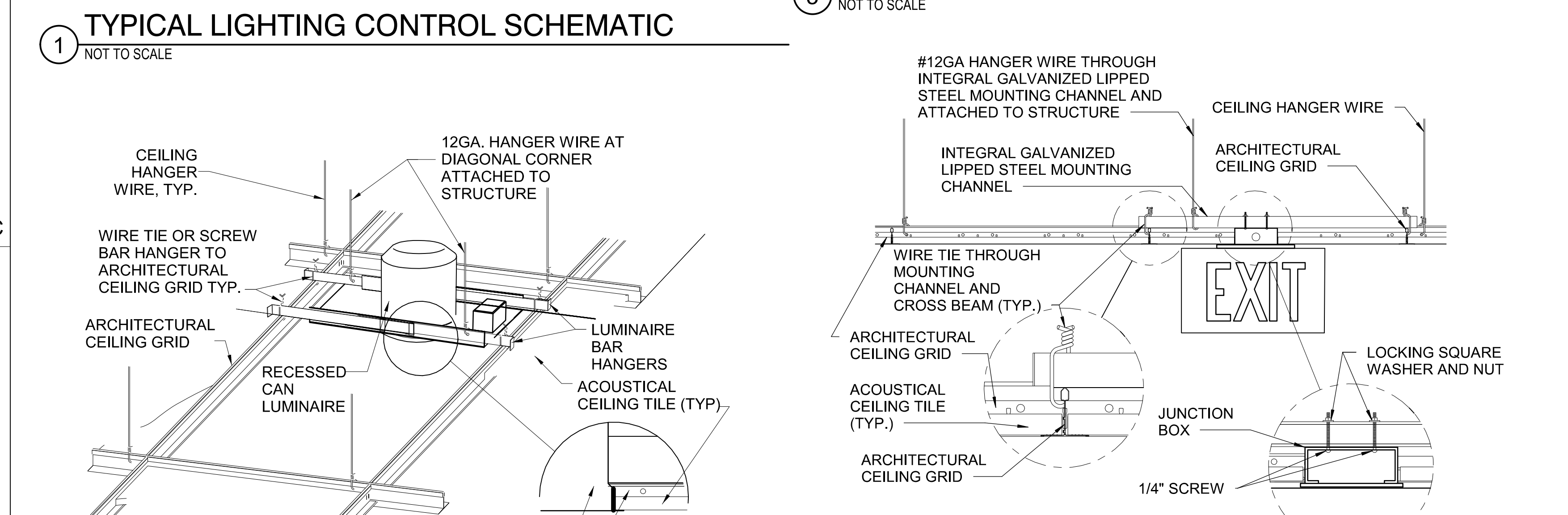
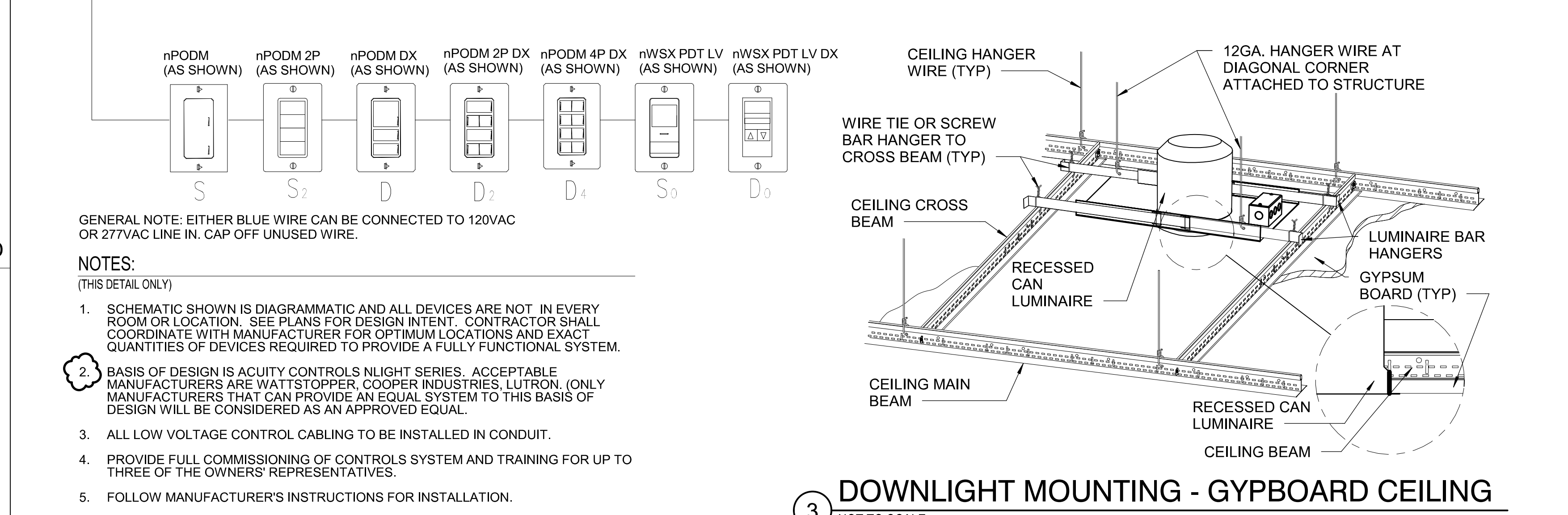
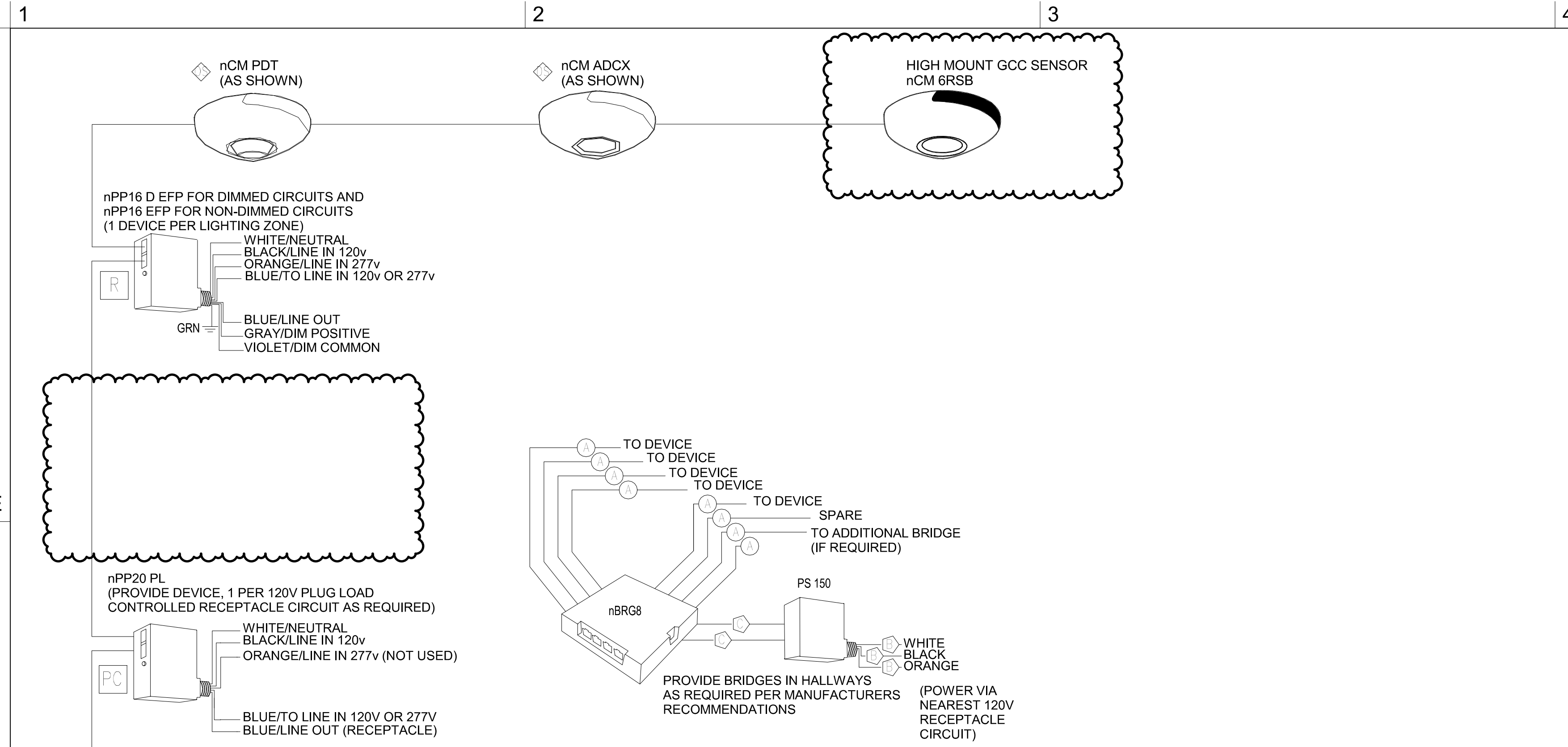
ROOM DESCRIPTION	PANEL	CIRCUIT NUMBER
CORRIDOR 201D	HC2A	1
CORRIDOR 201E	HD2A	1
CORRIDOR 201F	HD2A	1
CORRIDOR 201H	HD2A	1
CORRIDOR 201J	HD2A	1
OFFICE 236	HC2A	1
OFFICE 238	HC2A	1
OFFICE 240	HC2A	1
TEAMS ROOM 241	HC2A	1
DEAN'S OFFICE 242	HC2A	1
CLASSROOM 249	HC2A	3
ELEC 244	HC2A	3
M.TLT 245	HC2A	3
IT CLOSET 246	HC2A	3
W.TLT 247	HC2A	3
CLASSROOM 248	HC2A	5
CLASSROOM 249	HC2A	3
OFFICE 250	HC2A	5
OFFICE 252	HC2A	5
CLASSROOM 256	HC2A	5
STOR 258	HC2A	7
OFFICE 260	HC2A	7
OFFICE 262	HC2A	7
STOR 265	HC2A	5
STAIR C-ST-C2	HC2A	7
JAN CLOSET 263	HD2A	1

LIGHTING CIRCUIT SCHEDULE EL108

ROOM DESCRIPTION	PANEL	CIRCUIT NUMBER
F. SEMINAR RM 264	HD2A	3
CLASSROOM 265	HD2A	5
FAC. WORK RM 266	HD2A	3
OFFICE 267	HD2A	5
DATA/TEL 268	HD2A	3
OFFICE 269	HD2A	5
OFFICE 270	HD2A	3
OFFICE 271	HD2A	5
OFFICE 272	HD2A	3
OFFICE 273	HD2A	5
OFFICE 274	HD2A	3
OFFICE 275	HD2A	7
CLASSROOM 276	HD2A	9
OFFICE 277	HD2A	7
CLASSROOM 278	HD2A	9
OFFICE 279	HD2A	7
ELEC 280	HD2A	1
OFFICE 281	HD2A	7
EC OFFICE 283	HD2A	7
EC OFFICE 285	HD2A	11
EC CLASSROOM 287	HD2A	7
STOR. 287A	HD2A	7
EC CLASSROOM 289	HD2A	11
STOR. 289A	HD2A	11
EC WORKROOM 289B	HD2A	11
STAIR D-ST-02	HD2A	11



LIGHTING FLOOR PLAN - LEVEL 2 - AREA C
1/8" = 1'-0"



LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MANUFACTURER	MODEL NO.	LIGHT SOURCE	VOLTAGE	WATTAGE	TYPE	HEIGHT	
A	2'X4' LED TROFFER, 4000 LUMENS, 4000K CCT, MIN 80 CRI, CURVED SMOOTH LENS, 0-10V DIMMABLE DRIVER	LITHONIA METALUX COLUMBIA	2BLT4 SERIES 24CZ SERIES LCAT24 SERIES	LED	UNV.	31.69W	RECESSED	N/A	
B	2'X4' LED TROFFER, 4800 LUMENS, 4000K CCT, MIN 80 CRI, CURVED SMOOTH LENS, 0-10V DIMMABLE DRIVER	LITHONIA METALUX COLUMBIA	2BLT4 SERIES 24CZ SERIES LCAT24 SERIES	LED	UNV.	38W	RECESSED	N/A	
C	2'X4' LED TROFFER, 6000 LUMENS, 4000K CCT, MIN 80 CRI, CURVED SMOOTH LENS, 0-10V DIMMABLE DRIVER	LITHONIA METALUX COLUMBIA	2BLT4 SERIES 24CZ SERIES LCAT24 SERIES	LED	UNV.	47.59W	RECESSED	N/A	
D	2'X4' LED TROFFER, 8500 LUMENS, 4000K CCT, MIN 80 CRI, CURVED SMOOTH LENS, 0-10V DIMMABLE DRIVER	LITHONIA METALUX COLUMBIA	2BLT4 SERIES 24CZ SERIES LCAT24 SERIES	LED	UNV.	73.58W	RECESSED	N/A	
E	2'X2' LED TROFFER, 4800 LUMENS, 4000K CCT, MIN 80 CRI, CURVED SMOOTH LENS, 0-10V DIMMABLE DRIVER	LITHONIA METALUX	2BLT4 SERIES 24CZ SERIES	LED	UNV.	43.67W	RECESSED	N/A	
F	6" DIAMETER DOWNLIGHT, 850 LUMENS, 4000K CCT, MIN 80 CRI, POLYCARBONATE LENS.	LITHONIA HALO COMMERCIAL	WF6 SERIES HCC SERIES	LED	UNV.	12.9W	RECESSED	N/A	
G	2' X 2' LED HIGH BAY LUMINAIRE, 22000 LUMENS, 4000K CCT, MIN 80CRI, MEDIUM DISTRIBUTION, TEXTURED SEMI-DIFFUSE, ACRYLIC LENS, CABLE HUNG.	LITHONIA METALUX	IBE LHB SERIES	LED	UNV.	166W	PENDANT	20' A.F.F. UON.	
H	WALL MOUNTED ELEVATOR PIT VAPOR TIGHT LED LUMINAIRE, 600 LUMENS, 4000K CCT, MIN 70 CRI	LITHONIA LUMARK	OLVTWM LV120UG SERIES	LED	UNV.	15W	WALL	N/A	
J	WALL MOUNTED STAIRWELL LED FIXTURE, 5000K CCT, 1080 LUMENS, DIE CAST ALUMINUM HOUSING, MIN 80 CRI, WITH BATTERY PACK	MULE LIGHTING	MAKO-LED SERIES	LED	UNV.	11W	WALL	9'-6" A.F.F. UON.	
K	4FT STAIRWELL LED LUMINAIRE, 600 LUMENS PER FOOT DIRECT/600 LUMENS PER FOOT INDIRECT, 4000K CCT, MIN 80 CRI, INDIRECT/DIRECT WITH DUST COVER.	MARK ARCHITECTURAL LIGHTING	S4LWID	LED	UNV.	40W	WALL	9'-6" A.F.F. UON.	
L	4FT STRIPLIGHT, 3000 LUMENS, 4000K CCT, MIN 80 CRI, FLAT DIFFUSE LENS, CABLE HUNG	LITHONIA METALUX	CLX SERIES SWLED SERIES	LED	UNV.	20.32W	PENDANT	9'-0" A.F.F. UON.	
M	4FT STRIPLIGHT, 5000 LUMENS, 4000K CCT, MIN 80 CRI, FLAT DIFFUSE LENS, CABLE HUNG	LITHONIA METALUX	CLX SERIES SWLED SERIES	LED	UNV.	34.8W	PENDANT	9'-0" A.F.F. UON.	
N	4FT LINEAR WALL MOUNTED LUMINAIRE, 4" WIDTH, 1195 LUMENS/FT, 4000K CCT, MIN 80 CRI, 0-10V DIMMABLE DRIVER, ASYMMETRIC DIFFUSER	NEORAY - COOPER PINNACLE ARCHITECTURAL LIGHTING	DEFINE 4 SERIES EDGE SERIES	LED	UNV.	42.4W	WALL		
O	4FT LINEAR RECESSED LUMINAIRE, 4" WIDTH, 1000 LUMENS PER FOOT, FLUSH LENS, 4000K CCT, MIN 80 CRI, 0-10V DIMMABLE DRIVER	MARK ARCHITECTURAL LIGHTING	SLOT 4 SERIES	LED	UNV.	40W	RECESSED	N/A	
P	4FT LINEAR PENDANT LUMINAIRE, 4" WIDTH, 1000 LUMENS PER FOOT, FLUSH LENS, 4000K CCT, MIN 80 CRI, 0-10V DIMMABLE DRIVER	MARK ARCHITECTURAL LIGHTING	SLOT 4 SERIES	LED	UNV.	37.3W	PENDANT	9'-6" A.F.F. UON.	
Q	6FT LINEAR RECESSED LUMINAIRE, 4" WIDTH, 1000 LUMENS PER FOOT, FLUSH LENS, 4000K CCT, MIN 80 CRI, 0-10V DIMMABLE DRIVER	MARK ARCHITECTURAL LIGHTING	SLOT 4 SERIES	LED	UNV.	60W	RECESSED	N/A	
R	4" DIAMETER 2' LENGTH PENDANT, 4000K CCT, AMBIENT BODY LIGHT (1100 LUMENS) AND DOWNLIGHT SOURCE WITH WIDE BEAM (1900 LUMENS), TOP MOUNTED DRIVER	VISA LIGHTING SPI LIGHTING	CP2020 - SEQUENCE PAVO SERIES	LED	UNV.	30W	PENDANT	8'-3" A.F.F. UON.	
S	4FT LINEAR RECESSED LUMINAIRE, 4" WIDTH, 600 LUMENS PER FOOT, FLUSH LENS, 4000K CCT, MIN 80 CRI, 0-10V DIMMABLE DRIVER	MARK ARCHITECTURAL LIGHTING	SLOT 4 SERIES	LED	UNV.	23W	RECESSED	N/A	
T	19" DIAMETER LED PENDANT, ACRYLIC LENS, 4000K CCT, MIN 80 CRI, TYPE V WIDE DISTRIBUTION, 13,760 LUMENS.	LITHONIA	VCPG	LED	UNV.	108W	PENDANT	18" A.F.F. UON.	
U	MEDIUM SIZED ARCHITECTURAL TRAPEZOID, WALL PACK, NOMINAL 7920 LUMENS, 4000K CCT, TYPE III DISTRIBUTION, BUILT-IN PHOTOCELL, UL WET LOCATION LISTED, WITH BATTERY PACK	HUBBELL MCGRAW	TRP2 SERIES IST SERIES	LED	UNV.	71W	WALL	10' 4-1/2" A.F.F. UON.	
V	10"X2.5" MULLION MOUNTED LED FIXTURE, FINISH CHOSEN BY ARCHITECT, 494 LUMEN, 3800K CCT, UL WET LISTED, WITH BATTERY PACK, SEE GENERAL LTG FIXTURE NOTE D.	SIGNTEX MULE LIGHTING	MULE SERIES EMLED SERIES	LED	277V	10W	MULLION	N/A	
W	6" DIAMETER DOWNLIGHT, 2500 LUMENS, 4000K CCT, MIN 80 CRI, 0-10V DIMMABLE, MATTE DIFFUSE LENS	KENALL LITHONIA PRESCOLITE HALO	MILLENNIUM FINITE SERIES LDN6 SERIES LFS6L SERIES PD6 SERIES	LED	UNV.	28.3W	RECESSED	N/A	
X	LOUVER STEP LIGHT FIXTURE RECESSED, 4000K CCT, 215 LUMEN, FINISH CHOSEN BY ARCHITECT, 0-10V DIMMABLE.	COLE LIGHTING	157 SERIES	LED	277V	3.6W	RECESSED IN WALL	18" A.F.F	
Y	EXIT LIGHT, SURFACE MOUNTED (UNIVERSAL), RED LETTERING, BRUSHED ALUMINUM FINISH, SINGLE OR DOUBLE FACES AS REQUIRED, DIRECTIONAL ARROWS AS REQUIRED, BATTERY PACK REQUIRED	LITHONIA SURE-LITES	LE SERIES CX SERIES	LED	UNV.	1.4W	SURFACE	N/A	
Z	EXIT LIGHT, MULLION MOUNTED, RED LETTERING, BRUSHED ALUMINUM FINISH, SINGLE FACE, BATTERY PACK REQUIRED	MULE LIGHTING	ELXV2 SERIES	LED	UNV.	2W	MULLION	N/A	
AA	SQUARE WALLWASH DOWNLIGHT, 4000K CCT, 250 LUMENS, CLEAR REFLECTOR, 0-10V DIMMING, MATTE DIFFUSE REFLECTOR, MINIMUM 80 CRI	GOTHAM	IC025QLW SERIES	LED	UNV.	3.1W	RECESSED	N/A	

GENERAL LIGHTING FIXTURE NOTE:

A. OTHER APPROVED LIGHT FIXTURE MANUFACTURERS: ALPHABET, BEACON, BRUCK, COMPASS, DAY-O-LITE, GLIGHTING, KIM LIGHTING, KURT VERSEN, LIGHTALARMS, LUMENWERX, LUMEN PULSE, OXYGEN, PRESCOLITE, SPAULDING, BEGA, BETACALOO, CORELITE, ELLIPTIPAR, FAIL-SAFE, KENALL, LUMARK, MCGRAW-EDISON, NEO-RAY, SPECTRUM, VISA, PHILIPS, H.E. WILLIAMS, ACUITY, EATON, HUBBELL, AXIS, XAL.

B. FIXTURE FINISHES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO ORDERING.

C. FOR PENDANT MOUNTED FIXTURES, CONTRACTOR SHALL PROVIDE ADEQUATE CORD AND SUSPENSION MEANS TO MOUNT AT SPECIFIED HEIGHT.

D. PROVIDE PHOTO CELL ON BUILDING IN AN INCONSPICUOUS LOCATION (ONE FOR EACH LOCATION) FACING NORTH CLEAR OF ALL MAN MADE LIGHT SOURCES TO CONTROL LIGHT FIXTURE.

HENDERSON COUNTY AND BLUE RIDGE COMMUNITY COLLEGE
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FLAT ROCK, NC 28731

BlueRidge COMMUNITY COLLEGE

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SEALS
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2020.11.18 17:46:11-0500
SEAL 2/15/21
ENGINEER
300A TYP. FURNER (SCHEDULE)

SUBMITTAL
10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS
1 11/20/20 ADDENDUM 1

SHEET
ELECTRICAL LIGHTING DETAILS
EL501

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS
CN 5199-L

11/19/2020 3:14:21 PM
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1 POWER FLOOR PLAN - LEVEL 0 - AREA A
1/8" = 1'-0"

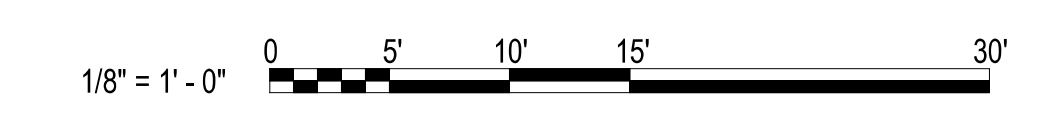
GENERAL NOTES

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- M SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET EP110 FOR ALL POWER CONNECTION INFORMATION FOR HVAC, PLUMBING AND SPECIAL EQUIPMENT. COORDINATE EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH APPROPRIATE TRADE DRAWINGS.
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KEY NOTES

- 1 MAKE CONNECTION TO DOOR MAGNETIC LOCK AS REQUIRED. SEE ACCESS CONTROL DETAIL ON E501 FOR MORE INFORMATION. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.
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- 3 WHERE EQUIPMENT DESIGNATION IS INDICATED ON FLOOR PLANS, PROVIDE ELECTRICAL CONNECTION TO EACH TOILET/ URINAL/ SINK IN ROOM. COORDINATE EACH ELECTRICAL CONNECTION WITH PLUMBING FIXTURE CONTROLLER. PLUMBING FIXTURE PROVIDED BY PLUMBING CONTRACTOR. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.
- 4 WHERE EQUIPMENT CONNECTION IS SHOWN PROVIDE A 120V ELECTRICAL CONNECTION TO EACH HAND DRYER. COORDINATE ELECTRICAL CONNECTION REQUIREMENTS WITH HAND DRYER. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION. MOTOR RATED SWITCH SHOULD BE PROVIDED IN THE ACCESSIBLE CEILING DIRECTLY ABOVE HAND DRYERS FOR A MEANS OF DISCONNECTION. IF THERE IS NO ACCESSIBLE CEILING DIRECTLY ABOVE HAND DRYER, THE MOTOR RATED SWITCH SHOULD BE PLACED IN THE NEAREST ACCESSIBLE CEILING.
- 5 ROUTE 3/4" CONDUIT FROM ROLL-UP DOOR CONTROLLER TO J-BOX ON WALL FOR INSTALLATION OF UP/ DOWN SWITCH AT 48". ALL DOOR HARDWARE, CONTROLLER AND UP/ DOWN SWITCH TO BE PROVIDED BY ROLL-UP DOOR CONTRACTOR. 20A 2 POLE MOTOR RATED SWITCH LOCATED AT MOTOR FOR DISCONNECT MEANS. BASIS OF DESIGN: 1/3 HP MOTOR. COORDINATE ELECTRICAL REQUIREMENTS WITH DOOR MANUFACTURER. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- 6 COORDINATE EXACT COMPRESSOR ELECTRICAL REQUIREMENTS WITH EQUIPMENT PROVIDED.

GRAPHIC SCALE(S)



HENDERSON COUNTY AND BLUE RIDGE
COMMUNITY COLLEGE
BRCC - PATTON HALL
INTERIOR RENOVATION
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DESIGNER

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SEALS



SUBMITTAL

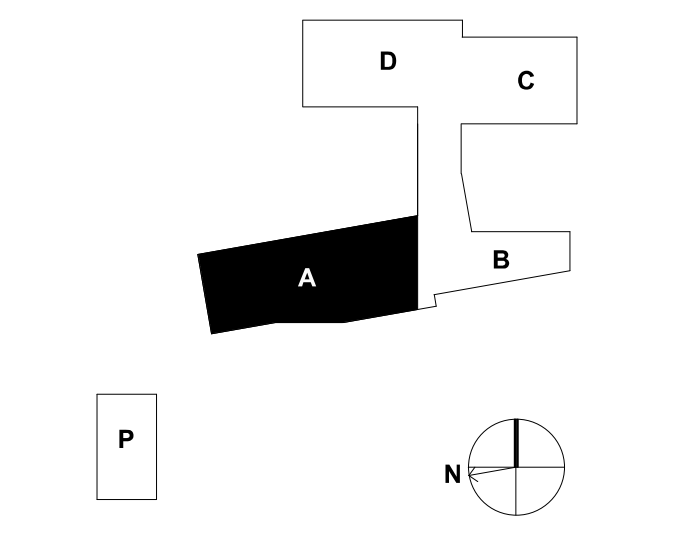
10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DATE	DESCRIPTION
1	11/20/20	ADDENDUM 1
4	02/25/21	CONFORMED SET

KEY PLAN



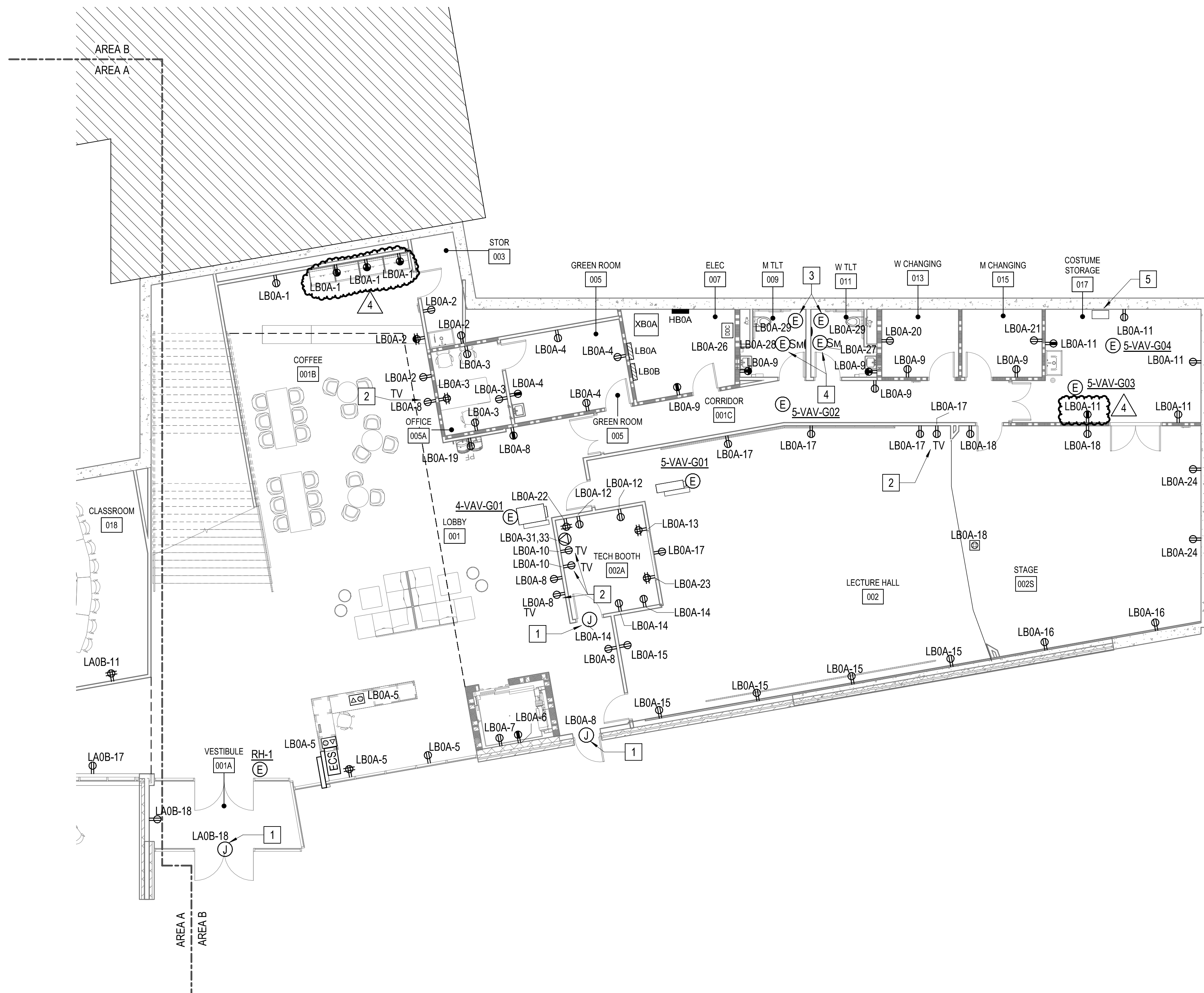
SHEET

POWER FLOOR PLAN - LEVEL 0
- AREA A

EP101

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L



1 POWER FLOOR PLAN - LEVEL 0 - AREA B
1/8" = 1'-0"

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- 5 RELOCATED SENSOR DIMMER PANEL. FED FROM PANEL LB0A.

HENDERSON COUNTY AND BLUE RIDGE
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DESIGNER

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SEALS



SUBMITTAL

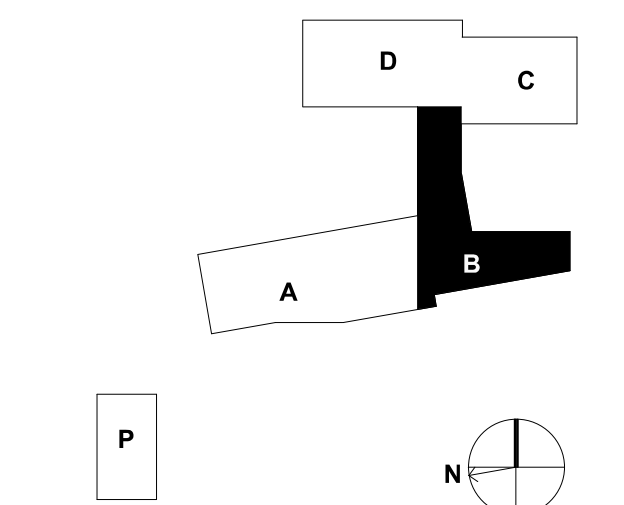
10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DATE	DESCRIPTION
1	11/20/20	ADDENDUM 1
4	02/25/21	CONFORMED SET

KEY PLAN

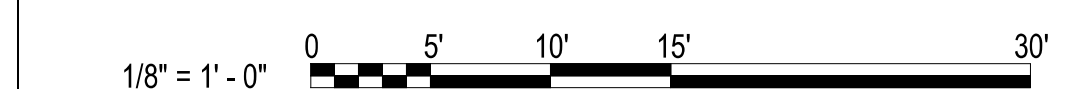


SHEET

POWER FLOOR PLAN - LEVEL 0
- AREA B

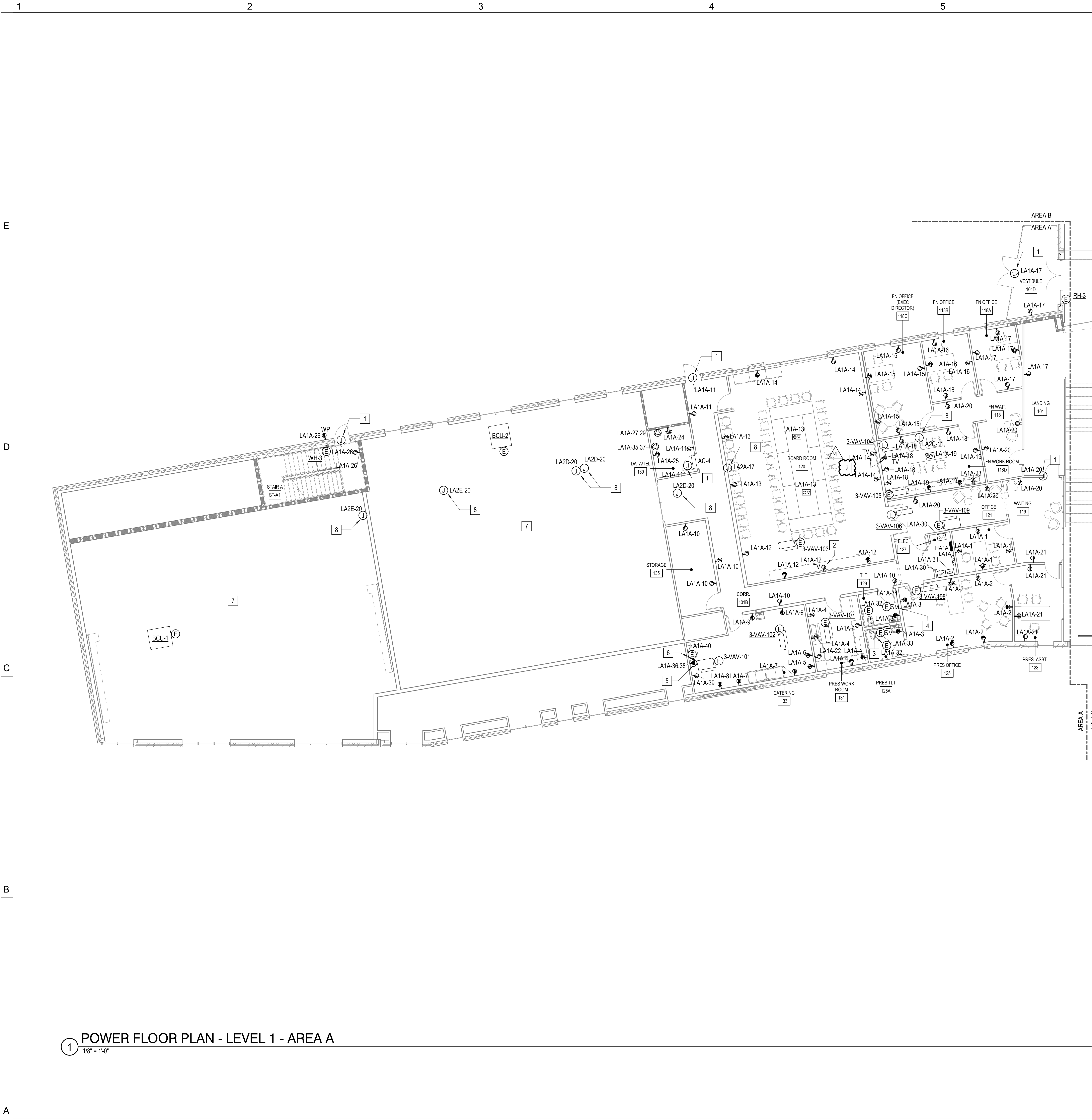
EP102

GRAPHIC SCALE(S)



DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L



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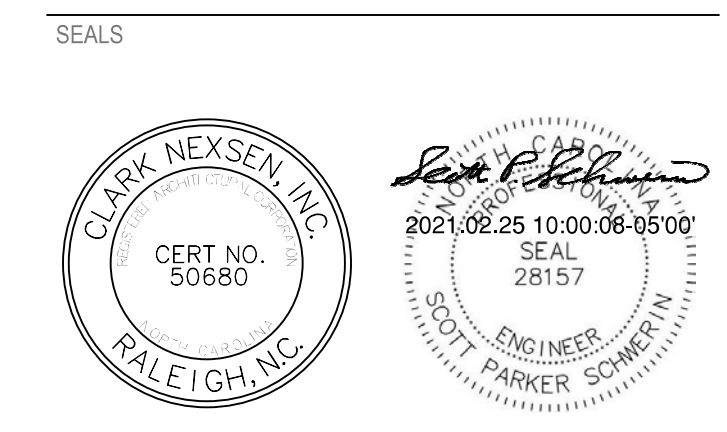
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- 5 PROVIDE SPECIAL RECEPTACLE FOR 50A/2P RESIDENTIAL OVEN. COORDINATE WITH OWNER FOR EQUIPMENT REQUIREMENTS.
- 6 PROVIDE CONNECTION TO RANGE HOOD EXHAUST FAN.
- 7 OPEN TO BELOW. SEE EP101 FOR RECEPTACLE LAYOUT IN THIS AREA.
- 8 MAKE ELECTRICAL CONNECTION TO WATER AND GAS VALVES AS REQUIRED FOR ROOMS 233, 229, 225 AND 223. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING. ALSO SEE PL105. SEE KEY NOTE 2 ON EP106.

HENDERSON COUNTY AND BLUE RIDGE
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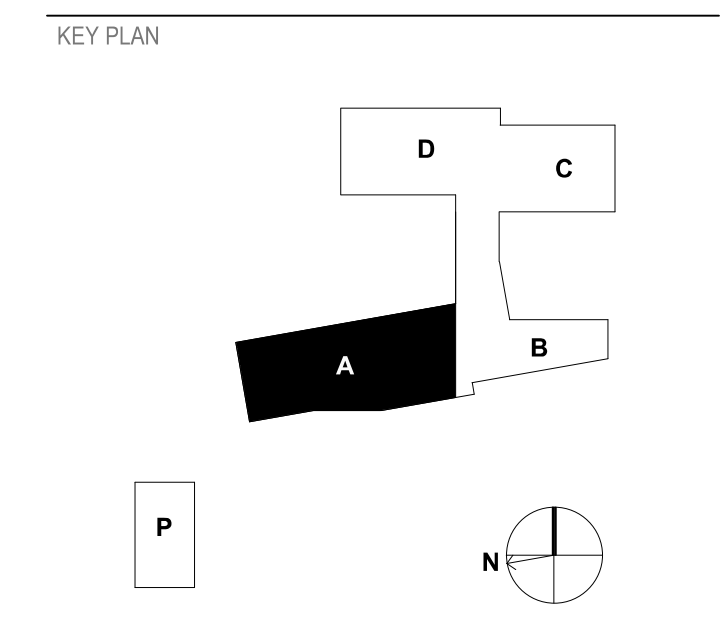
DESIGNER
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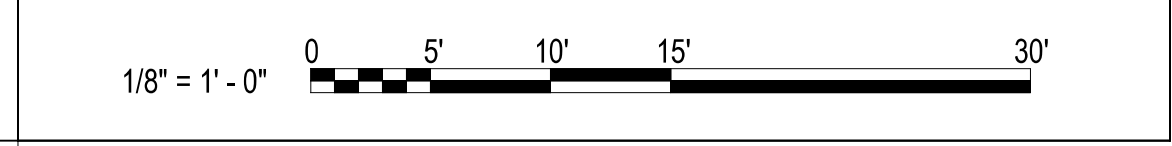
SUBMITTAL
10/19/20
CONSTRUCTION DOCUMENTS

REVISIONS

1	11/20/20	ADDENDUM 1
4	02/25/21	CONFORMED SET



GRAPHIC SCALE(S)

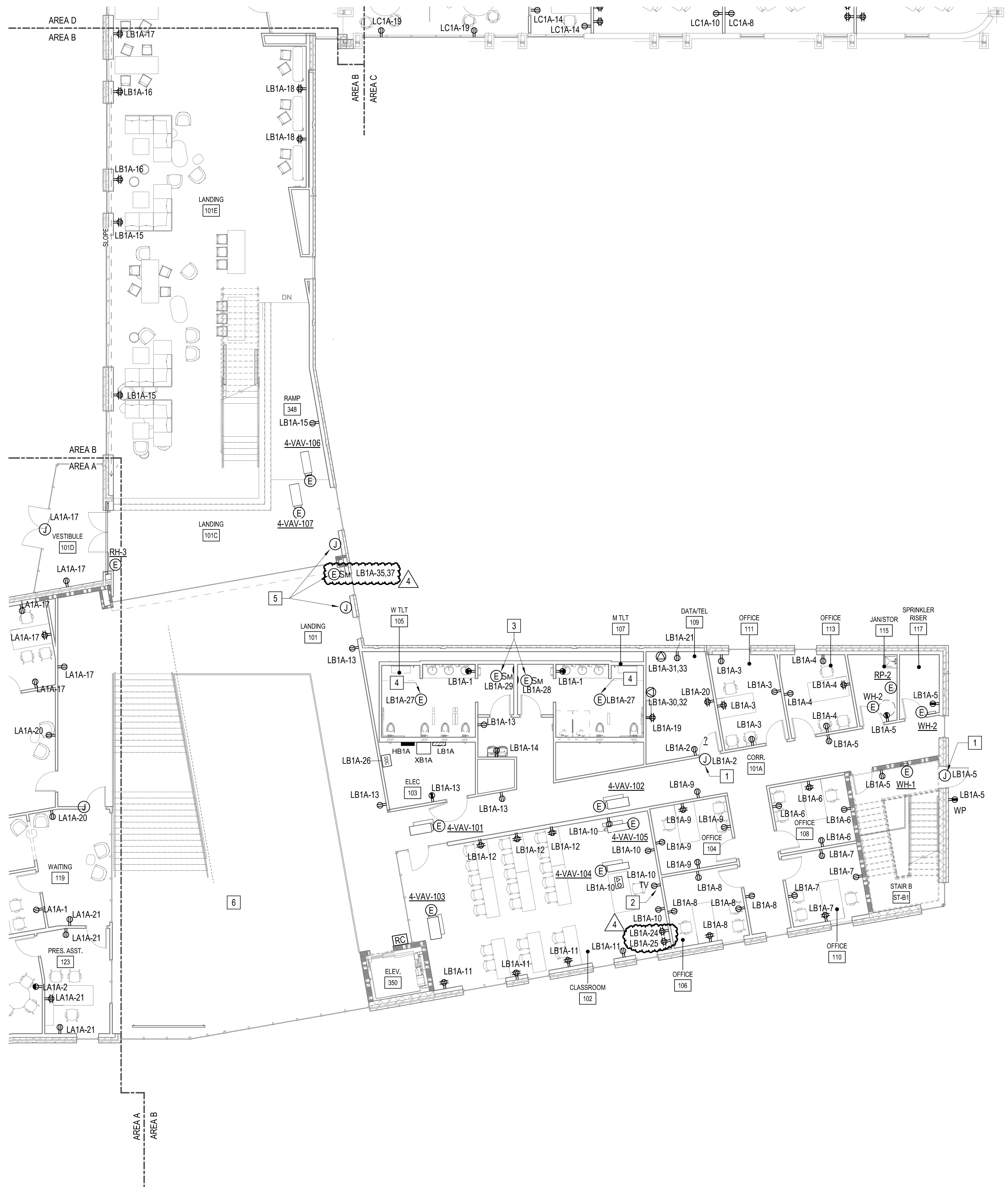


1 POWER FLOOR PLAN - LEVEL 1 - AREA A
1/8" = 1'-0"

SHEET
**POWER FLOOR PLAN - LEVEL 1
- AREA A**

EP103

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS
CN 5199-L



1 POWER FLOOR PLAN - LEVEL 1 - AREA B
1/8" = 1'-0"

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- L COORDINATE EXACT LOCATION OF FLOOR BOXES WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- M SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET EP110 FOR ALL POWER CONNECTION INFORMATION FOR HVAC, PLUMBING AND SPECIAL EQUIPMENT. COORDINATE EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH APPROPRIATE TRADE DRAWINGS.
- N THE CONTRACTOR SHALL PROVIDE AUTOMATIC RECEPTACLE CONTROL THAT MEETS ASHRAE 90.1, WHERE AT LEAST 50% OF ALL 125 VOLT, 20 AMP RECEPTACLES SHALL HAVE AUTOMATIC CONTROL IN THE FOLLOWING AREAS: PRIVATE OFFICES, OPEN OFFICES, AND COMPUTER CLASSROOMS. SEE DETAIL 1, SHEET EL501 FOR CONTROL SCHEMATIC.

KEY NOTES

- 1 MAKE CONNECTION TO DOOR MAGNETIC LOCK AS REQUIRED. SEE ACCESS CONTROL DETAIL ON ET501 FOR MORE INFORMATION. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.
- 2 RECEPTACLE MOUNTED INSIDE THE TV BOX SHOWN ON SPECIAL SYSTEMS PLAN. COORDINATE LOCATION WITH OWNER AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 3 WHERE EQUIPMENT CONNECTION IS SHOWN PROVIDE A 120V ELECTRICAL CONNECTION TO EACH HAND DRYER. COORDINATE ELECTRICAL CONNECTION REQUIREMENTS WITH HAND DRYER. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION. MOTOR RATED SWITCH SHOULD BE PROVIDED IN THE ACCESSIBLE CEILING DIRECTLY ABOVE HAND DRYERS FOR A MEANS OF DISCONNECTION. IF THERE IS NO ACCESSIBLE CEILING DIRECTLY ABOVE HAND DRYER, THE MOTOR RATED SWITCH SHOULD BE PLACED IN THE NEAREST ACCESSIBLE CEILING.
- 4 WHERE EQUIPMENT DESIGNATION IS INDICATED ON FLOOR PLANS, PROVIDE ELECTRICAL CONNECTION TO EACH TOILET/ URINAL SINK IN ROOM. COORDINATE EACH ELECTRICAL CONNECTION WITH PLUMBING FIXTURE CONTROLLER. PLUMBING FIXTURE PROVIDED BY PLUMBING CONTRACTOR. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.
- 5 ROUTE 3/4" CONDUIT FROM FIRE RATED SHUTTER CONTROLLER TO J-BOX ON WALL FOR INSTALLATION OF UP/DOWN SWITCH AT 48". ALL DOOR HARDWARE, CONTROLLER AND UP/DOWN SWITCH TO BE PROVIDED BY ROLL-UP DOOR CONTRACTOR. 20A/ 2 POLE MOTOR RATED SWITCH LOCATED AT MOTOR FOR DISCONNECT MEANS. BASIS OF DESIGN: 1/3 HP MOTOR. COORDINATE ELECTRICAL REQUIREMENTS WITH DOOR MANUFACTURER. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- 6 OPEN TO BELOW. SEE EP102 FOR RECEPTACLE LAYOUT IN THIS AREA.

HENDERSON COUNTY AND BLUE RIDGE
COMMUNITY COLLEGE
BRCC - PATTON HALL
INTERIOR RENOVATION
AND ADDITION
180 W CAMPUS DR.
FLAT ROCK, NC 28731

DESIGNER

CLARK NEXSEN

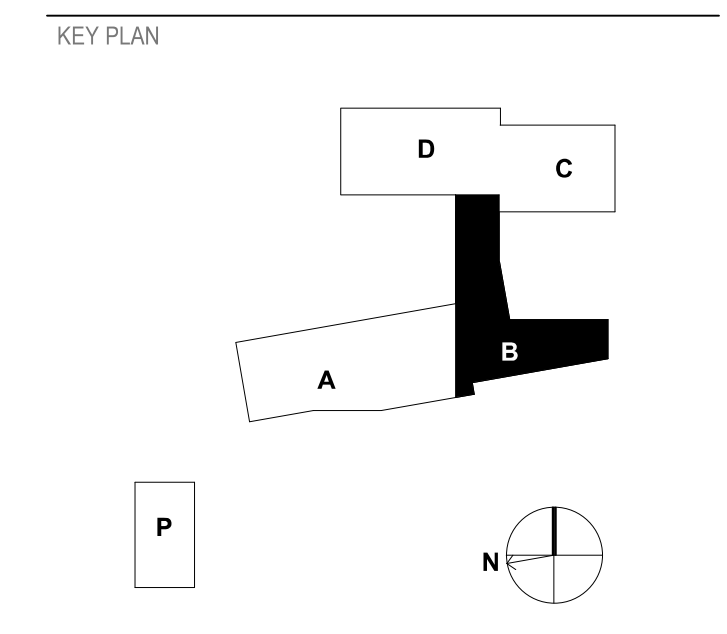
301 College Street, Suite 300
Asheville, North Carolina 28801
828-232-0606
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SEALS

SUBMITTAL
10/19/20
CONSTRUCTION DOCUMENTS

REVISIONS

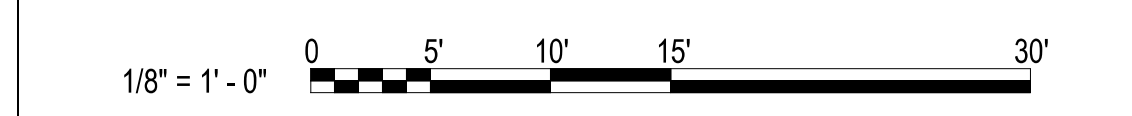
NO.	DATE	DESCRIPTION
1	11/20/20	ADDENDUM 1
4	02/25/21	CONFORMED SET



SHEET
POWER FLOOR PLAN - LEVEL 1 - AREA B

EP104

GRAPHIC SCALE(S)



DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L

GENERAL NOTES

- A MOUNTING HEIGHTS AS INDICATED ON THE DRAWINGS SHALL BE FROM THE FINISHED FLOOR TO THE CENTER LINE OF THE OUTLET BOX.
- B WHERE POWER AND COMPUTER/DATA OUTLETS ARE LOCATED BENEATH A WINDOW AND THE CONDUIT IS TO BE ROUTED OVERHEAD, THE CONDUIT SHALL BE ROUTED TO THE NEAREST PORTION OF THE WALL THAT ALLOWS THE CONDUIT TO RISE UP TO ABOVE THE ACCESSIBLE CEILING.
- C COORDINATE FINAL RECEPTACLE LOCATIONS, SPECIAL RECEPTACLE LOCATIONS, TV LOCATIONS, VOICE/DATA OUTLET LOCATIONS, LAPTOP CART LOCATIONS, AND ANY OTHER EQUIPMENT THAT REQUIRES POWER WITH ARCHITECTURAL CASEWORK AND OWNER PRIOR TO ROUGH-IN.
- D ALL FLUSH RECESSED OUTLET BOXES IN NON-COMBUSTIBLE MATERIAL SHALL BE INSTALLED SUCH THAT FRONT EDGE OF THE BOX WILL NOT BE SET BACK OFF THE FINISHED SURFACE MORE THAN 1/4" AS NOTED IN NFPA 70 SECTION 314.20. INSTALLATIONS WITHIN A COMBUSTIBLE SURFACE MATERIAL MUST EXTEND TO THE FINISHED SURFACE. SUPPORT OF THE OUTLET BOX BY THE DEVICE OR COVERPLATE IS NOT ACCEPTABLE. SEE NEC SECTION 314.23.
- E CAREFULLY COORDINATE ROUGH-IN WITH ARCHITECTURAL AND BLOCK MASONS.
- F ALL RECEPTACLES WITHIN 6FT OF A SINK, IN BATHROOMS, OUTDOORS, ON A ROOFTOP, OR IN LOCATIONS DETERMINED BY NFPA 70 SECTION 210.8 MUST HAVE GFCI PROTECTION.
- G COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT PRIOR TO ELECTRICAL ROUGH-IN.
- H CONTRACTOR TO PROVIDE AN IN-BUILDING RADIO SIGNAL AMPLIFICATION SYSTEM (IBEC) TO PROVIDE COMPLETE COVERAGE IN THE BUILDING FOR THE PUBLIC SAFETY AGENCIES AS REQUIRED BY THE LOCAL AHA THAT MEETS THE CURRENT NFPA 72, IFC 510.2 AND ALL LOCAL CODES AND ORDINANCES. SEE SPECIFICATIONS FOR PERFORMANCE SPEC.
- I CONTRACTOR TO COORDINATE WITH ARCHITECT FOR INSTALLATION OF ANY DEVICES IN THE MULLION OF EACH ENTRANCE. NO EXPOSED CONDUIT OR BOXES SHALL BE ALLOWED ON MULLION.
- J ALL BREAKERS SERVING LIFE SAFETY EQUIPMENT (FIRE ALARM) SHALL BE LABELED AS SUCH WITH RED IDENTIFICATION TAG "FIRE ALARM CIRCUIT". PROVIDED BREAKER WITH DEVICE TO LOCK BREAKER IN THE ON POSITION SUCH AS "ECLIPS ELOCK-FA" OR EQUAL DEVICE TO MEET NFPA 70, ARTICLE 760.41(B).
- K COORDINATE ELECTRICAL CONNECTIONS TO NAC, ACU, DDC, AND FACP PANELS WITH THE RELEVANT DISCIPLINE. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- L COORDINATE EXACT LOCATION OF FLOOR BOXES WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- M SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET EP110 FOR ALL POWER CONNECTION INFORMATION FOR HVAC, PLUMBING AND SPECIAL EQUIPMENT. COORDINATE EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH APPROPRIATE TRADE DRAWINGS.
- N THE CONTRACTOR SHALL PROVIDE AUTOMATIC RECEPTACLE CONTROL THAT MEETS ASHRAE 90.1, WHERE AT LEAST 50% OF ALL 125 VOLT, 20 AMP RECEPTACLES SHALL HAVE AUTOMATIC CONTROL IN THE FOLLOWING AREAS: PRIVATE OFFICES, OPEN OFFICES, AND COMPUTER CLASSROOMS. SEE DETAIL 1, SHEET EL501 FOR CONTROL SCHEMATIC.

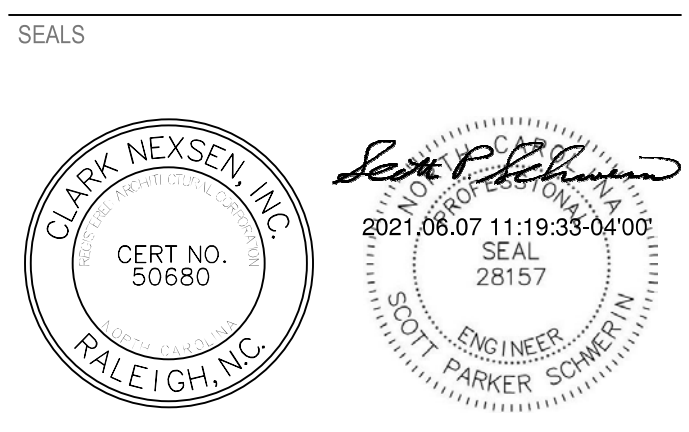
KEY NOTES

- 1 ROUTE (2) 2" CONDUITS FROM ELECTRICAL ROOM TO UNDERSIDE OF ROOF DECKING FOR IBEC. SEE GENERAL NOTE H ABOVE FOR MORE INFORMATION.
- 2 MAKE CONNECTION TO DOOR MAGNETIC LOCK AS REQUIRED. SEE ACCESS CONTROL DETAIL ON ET501 FOR MORE INFORMATION. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.
- 3 RECEPTACLE MOUNTED INSIDE THE TV BOX SHOWN ON SPECIAL SYSTEMS PLAN. COORDINATE LOCATION WITH OWNER AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 4 WHERE EQUIPMENT CONNECTION IS SHOWN PROVIDE A 120V ELECTRICAL CONNECTION TO EACH HAND DRYER. COORDINATE ELECTRICAL CONNECTION REQUIREMENTS WITH HAND DRYER. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION. MOTOR RATED SWITCH SHOULD BE PROVIDED IN THE ACCESSIBLE CEILING DIRECTLY ABOVE HAND DRYERS FOR A MEANS OF DISCONNECTION. IF THERE IS NO ACCESSIBLE CEILING DIRECTLY ABOVE HAND DRYER, THE MOTOR RATED SWITCH SHOULD BE PLACED IN THE NEAREST ACCESSIBLE CEILING.
- 5 WHERE EQUIPMENT DESIGNATION IS INDICATED ON FLOOR PLANS, PROVIDE ELECTRICAL CONNECTION TO EACH TOILET/URINAL/ SINK IN ROOM. COORDINATE EACH ELECTRICAL CONNECTION WITH PLUMBING FIXTURE CONTROLLER. PLUMBING FIXTURE PROVIDED BY PLUMBING CONTRACTOR. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.
- 6 CONNECT OUTLET TO EXISTING 120V RECEPTACLE CIRCUIT IN PANEL LD10. COORDINATE WORK WITH OWNER PRIOR TO ROUGH-IN.
- 7 NO WORK SHALL BE DONE IN THIS ROOM WITHOUT PRIOR OWNER APPROVAL. SEE GENERAL NOTE A ON SHEET ED101 FOR MORE INFORMATION.
- 8 RECEPTACLE MOUNTED INSIDE THE WALL BOX SHOWN ON SPECIAL SYSTEMS PLAN. COORDINATE LOCATION WITH OWNER AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

HENDERSON COUNTY AND BLUE RIDGE COMMUNITY COLLEGE
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INTERIOR RENOVATION
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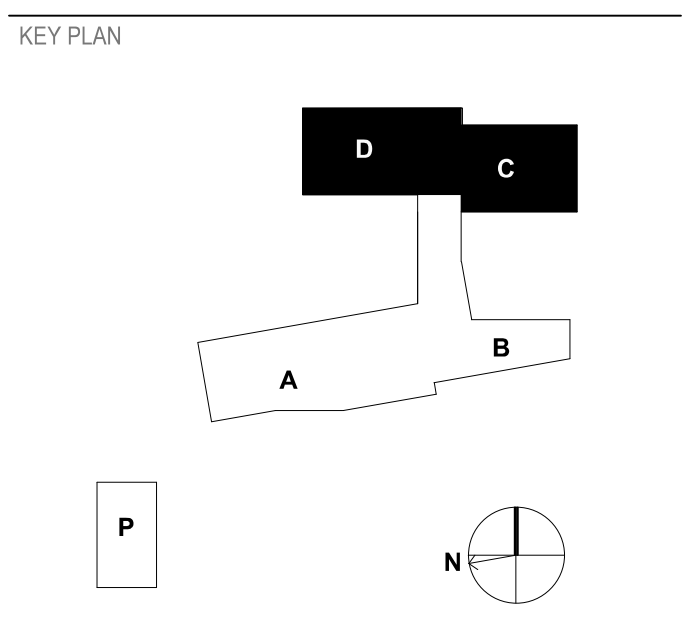
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 10/19/20
CONSTRUCTION DOCUMENTS

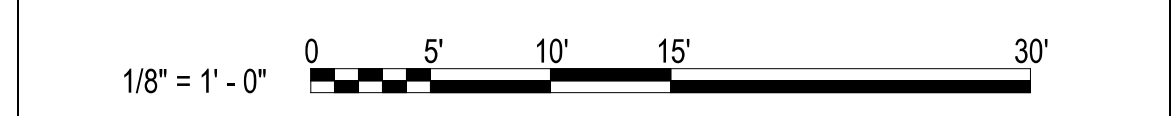
REVISIONS

1	11/20/20	ADDENDUM 1
7	05/12/21	Early Childhood

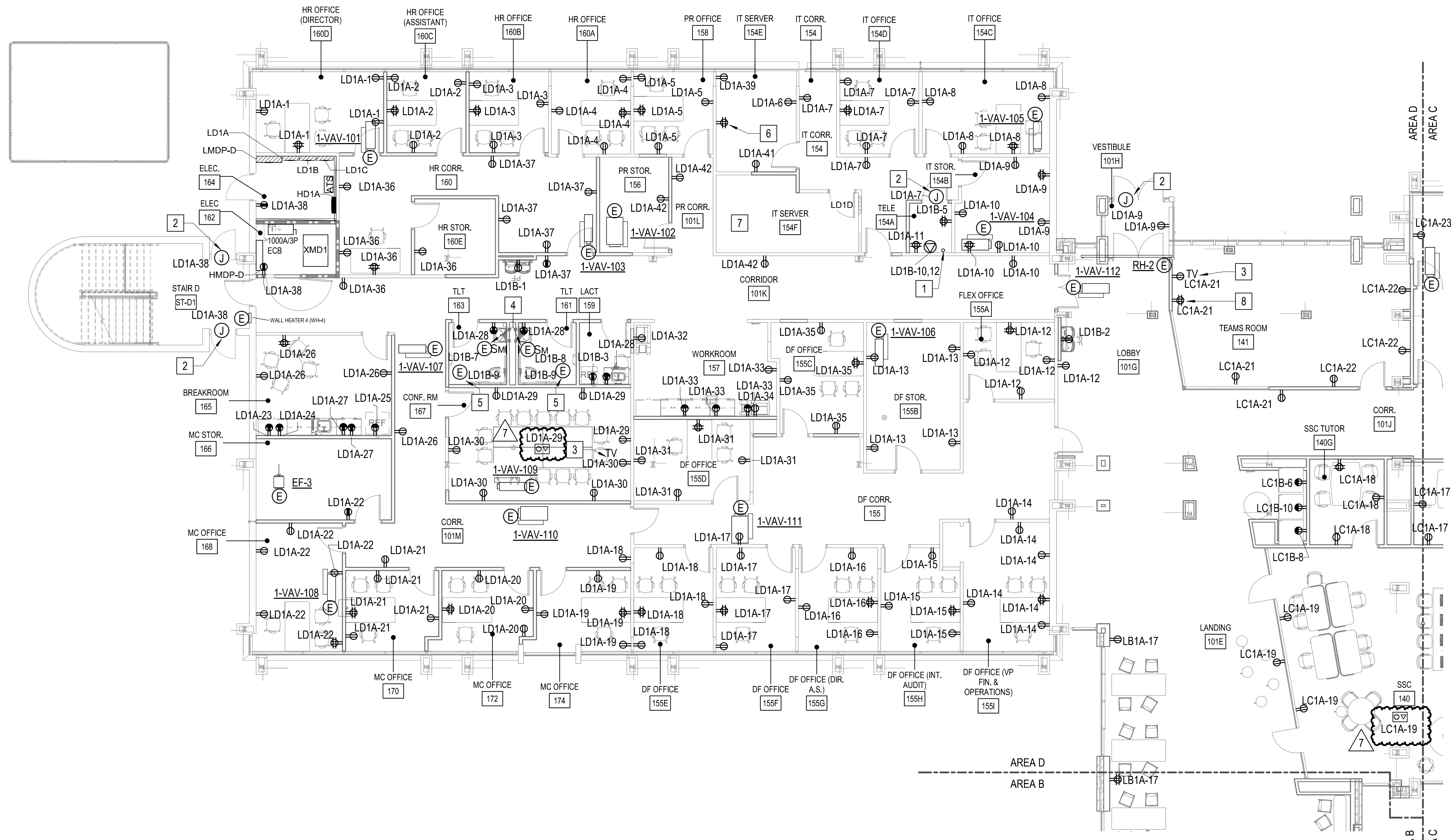


SHEET
POWER FLOOR PLAN - LEVEL 1 - AREA C & D
EP105
 DESIGN: MRB
 DRAWN: SJB
 REVIEW: SPS
 CN 5199-L

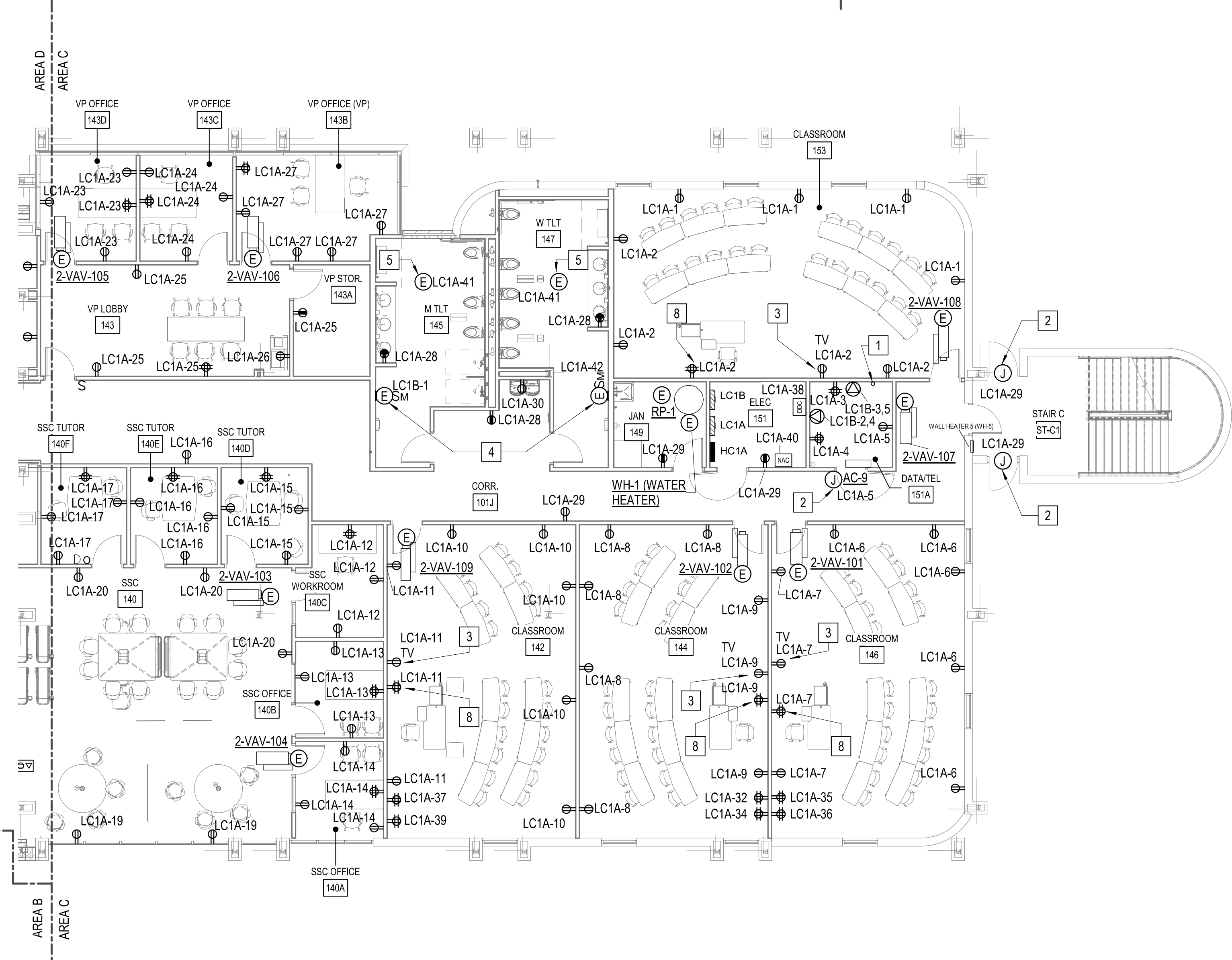
GRAPHIC SCALE(S)



2 POWER FLOOR PLAN - LEVEL 1 - AREA D
 1/8" = 1'-0"



1 POWER FLOOR PLAN - LEVEL 1 - AREA C
 1/8" = 1'-0"



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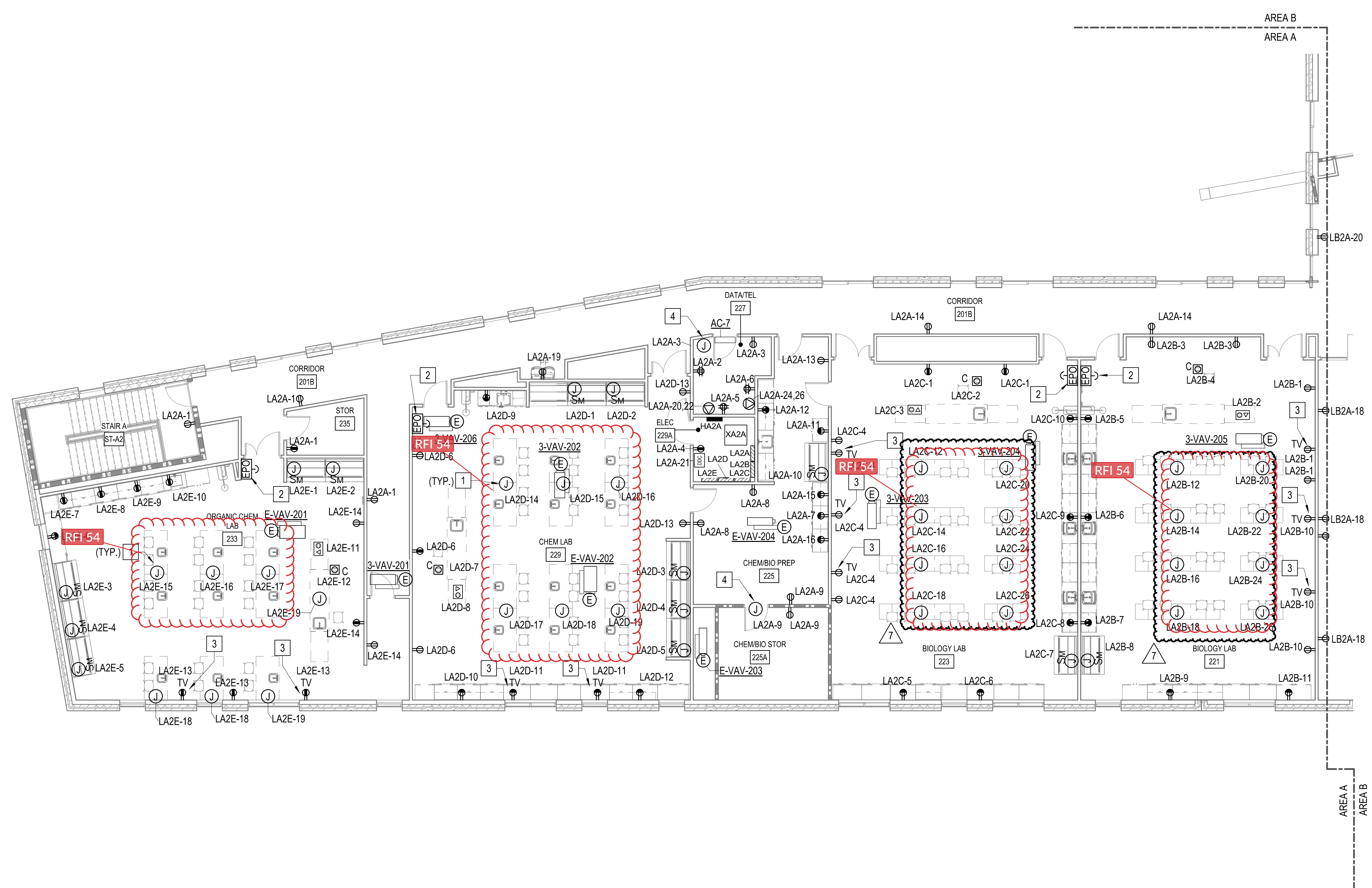
E

D

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1 POWER FLOOR PLAN - LEVEL 2 - AREA A
1/8" = 1'-0"

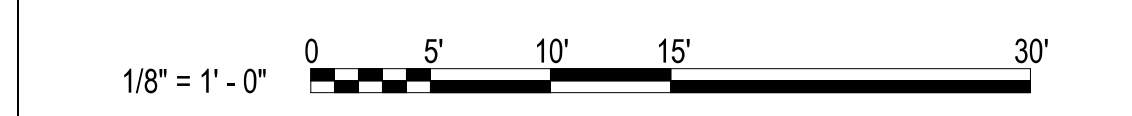
GENERAL NOTES

- A MOUNTING HEIGHTS AS INDICATED ON THE DRAWINGS SHALL BE FROM THE FINISHED FLOOR TO THE CENTER LINE OF THE OUTLET BOX.
- B WHERE POWER AND COMPUTER/DATA OUTLETS ARE LOCATED BENEATH A WINDOW AND THE CONDUIT IS TO BE ROUTED OVERHEAD, THE CONDUIT SHALL BE ROUTED TO THE NEAREST PORTION OF THE WALL THAT ALLOWS THE CONDUIT TO RISE UP TO ABOVE THE ACCESSIBLE CEILING.
- C COORDINATE FINAL RECEPTACLE LOCATIONS, SPECIAL RECEPTACLE LOCATIONS, TV LOCATIONS, VOICE/DATA OUTLET LOCATIONS, LAPTOP CART LOCATIONS, AND ANY OTHER EQUIPMENT THAT REQUIRES POWER WITH ARCHITECTURAL CASEWORK AND OWNER PRIOR TO ROUGH-IN.
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- E CAREFULLY COORDINATE ROUGH-IN WITH ARCHITECTURAL AND BLOCK MASONS.
- F ALL RECEPTACLES WITHIN 6FT OF A SINK, IN BATHROOMS, OUTDOORS, ON A ROOFTOP, OR IN LOCATIONS DETERMINED BY NFPA 70 SECTION 210.8 MUST HAVE GFCI PROTECTION.
- G COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT PRIOR TO ELECTRICAL ROUGH-IN.
- H CONTRACTOR TO PROVIDE AN IN-BUILDING RADIO SIGNAL AMPLIFICATION SYSTEM (IBEC) TO PROVIDE COMPLETE COVERAGE IN THE BUILDING FOR THE PUBLIC SAFETY AGENCIES AS REQUIRED BY THE LOCAL AHJ THAT MEETS THE CURRENT NFPA 72, IFC 510.2 AND ALL LOCAL CODES AND ORDINANCES. SEE SPECIFICATIONS FOR PERFORMANCE SPEC.
- I CONTRACTOR TO COORDINATE WITH ARCHITECT FOR INSTALLATION OF ANY DEVICES IN THE MULLION OF EACH ENTRANCE. NO EXPOSED CONDUIT OR BOXES SHALL BE ALLOWED ON MULLION.
- J ALL BREAKERS SERVING LIFE SAFETY EQUIPMENT (FIRE ALARM) SHALL BE LABELED AS SUCH WITH RED IDENTIFICATION TAG "FIRE ALARM CIRCUIT". PROVIDED BREAKER WITH DEVICE TO LOCK BREAKER IN THE ON POSITION SUCH AS "ECLIPS ELOCK-FA" OR EQUAL DEVICE TO MEET NFPA 70, ARTICLE 760.41(B).
- K COORDINATE ELECTRICAL CONNECTIONS TO NAC, ACU, DDC, AND FACP PANELS WITH THE RELEVANT DISCIPLINE. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- L COORDINATE EXACT LOCATION OF FLOOR BOXES WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- M SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET EP110 FOR ALL POWER CONNECTION INFORMATION FOR HVAC, PLUMBING AND SPECIAL EQUIPMENT. COORDINATE EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH APPROPRIATE TRADE DRAWINGS.
- N THE CONTRACTOR SHALL PROVIDE AUTOMATIC RECEPTACLE CONTROL THAT MEETS ASHRAE 90.1, WHERE AT LEAST 50% OF ALL 125 VOLT, 20 AMP RECEPTACLES SHALL HAVE AUTOMATIC CONTROL IN THE FOLLOWING AREAS: PRIVATE OFFICES, OPEN OFFICES, AND COMPUTER CLASSROOMS. SEE DETAIL 1, SHEET EL501 FOR CONTROL SCHEMATIC.

KEY NOTES

- 1 PROVIDE FLOOR-MOUNTED 2-GANG JUNCTION BOX FLUSH WITH FLOOR FOR CONNECTION TO LAB DESK. SEE ET106 FOR MORE INFORMATION.
- 2 EMERGENCY SHUT OFF SWITCH TO BE INTERLOCKED WITH THE SHUNT TRIP BREAKER FEEDING THE LABS DEDICATED 120/208V ELECTRICAL PANEL. GAS AND WATER SOLENOIDS, GAS AND WATER SOLENOIDS PROVIDED BY PLUMBING CONTRACTOR AND WIRED BY THE ELECTRICAL CONTRACTOR. DEVICES USED TO INTERRUPT THE GAS AND WATER VALVES SHALL BE NORMALLY CLOSED DEVICES. GAS SHUT OFF FOR CHEM LAB 229 ONLY.
- 3 RECEPTACLE MOUNTED INSIDE THE TV BOX SHOWN ON SPECIAL SYSTEMS PLAN. COORDINATE LOCATION WITH OWNER AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 4 MAKE CONNECTION TO DOOR MAGNETIC LOCK AS REQUIRED. SEE ACCESS CONTROL DETAIL ON ETS01 FOR MORE INFORMATION. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.

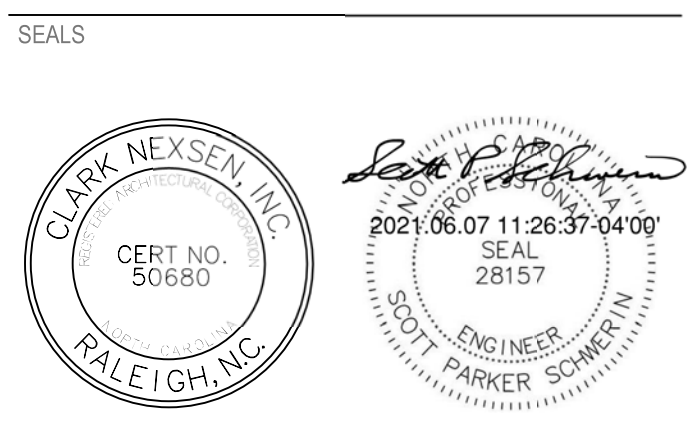
GRAPHIC SCALE(S)



HENDERSON COUNTY AND BLUE RIDGE
COMMUNITY COLLEGE
**BRCC - PATTON HALL
INTERIOR RENOVATION
AND ADDITION**
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FLAT ROCK, NC 28731



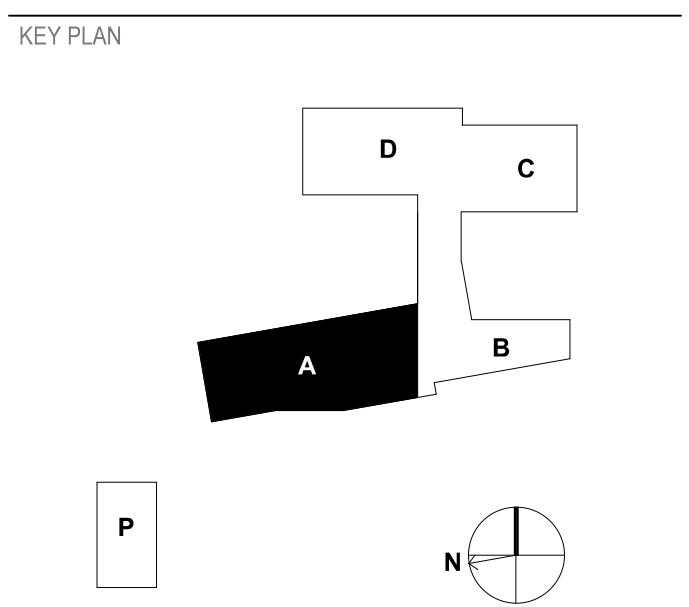
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CONSTRUCTION DOCUMENTS

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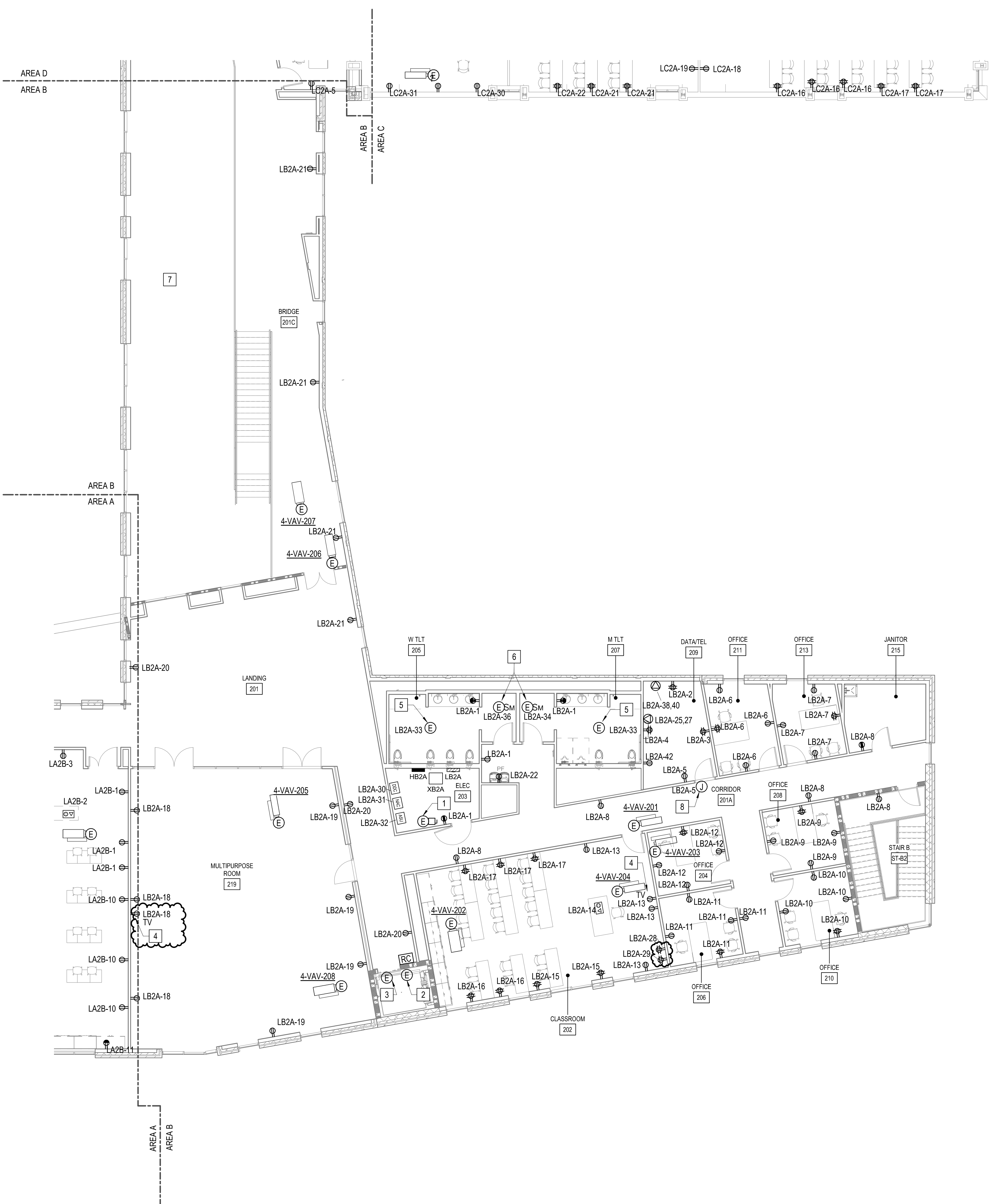
NO.	DATE	DESCRIPTION
1	11/20/20	ADDENDUM 1
7	05/12/21	Early Childhood



SHEET
**POWER FLOOR PLAN - LEVEL 2
- AREA A**

EP106

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS
CN 5199-L



1 POWER FLOOR PLAN - LEVEL 2 - AREA B
1/8" = 1'-0"

GENERAL NOTES

- A MOUNTING HEIGHTS AS INDICATED ON THE DRAWINGS SHALL BE FROM THE FINISHED FLOOR TO THE CENTER LINE OF THE OUTLET BOX.
- B WHERE POWER AND COMPUTER/DATA OUTLETS ARE LOCATED BENEATH A WINDOW AND THE CONDUIT IS TO BE ROUTED OVERHEAD; THE CONDUIT SHALL BE ROUTED TO THE NEAREST PORTION OF THE WALL THAT ALLOWS THE CONDUIT TO RISE UP TO ABOVE THE ACCESSIBLE CEILING.
- C COORDINATE FINAL RECEPTACLE LOCATIONS, SPECIAL RECEPTACLE LOCATIONS, TV LOCATIONS, VOICE/DATA OUTLET LOCATIONS, LAPTOP CART LOCATIONS, AND ANY OTHER EQUIPMENT THAT REQUIRES POWER WITH ARCHITECTURAL CASEWORK AND OWNER PRIOR TO ROUGH-IN.
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- E CAREFULLY COORDINATE ROUGH-IN WITH ARCHITECTURAL AND BLOCK MASONS.
- F ALL RECEPTACLES WITHIN 6FT OF A SINK, IN BATHROOMS, OUTDOORS, ON A ROOFTOP, OR IN LOCATIONS DETERMINED BY NFPA 70 SECTION 210.8 MUST HAVE GFCI PROTECTION.
- G COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT PRIOR TO ELECTRICAL ROUGH-IN.
- H CONTRACTOR TO PROVIDE AN IN-BUILDING RADIO SIGNAL AMPLIFICATION SYSTEM (IBEC) TO PROVIDE COMPLETE COVERAGE IN THE BUILDING FOR THE PUBLIC SAFETY AGENCIES AS REQUIRED BY THE LOCAL AHJ THAT MEETS THE CURRENT NFPA 72, IFC 510.2 AND ALL LOCAL CODES AND ORDINANCES. SEE SPECIFICATIONS FOR PERFORMANCE SPEC.
- I CONTRACTOR TO COORDINATE WITH ARCHITECT FOR INSTALLATION OF ANY DEVICES IN THE MULLION OF EACH ENTRANCE. NO EXPOSED CONDUIT OR BOXES SHALL BE ALLOWED ON MULLION.
- J ALL BREAKERS SERVING LIFE SAFETY EQUIPMENT (FIRE ALARM) SHALL BE LABELED AS SUCH WITH RED IDENTIFICATION TAG "FIRE ALARM CIRCUIT". PROVIDED BREAKER WITH DEVICE TO LOCK BREAKER IN THE ON POSITION SUCH AS "ECLIPS ELOCK-FA" OR EQUAL DEVICE TO MEET NFPA 70, ARTICLE 780.41(B).
- K COORDINATE ELECTRICAL CONNECTIONS TO NAC, ACU, DDC, AND FACP PANELS WITH THE RELEVANT DISCIPLINE. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- L COORDINATE EXACT LOCATION OF FLOOR BOXES WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- M SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET EP110 FOR ALL POWER CONNECTION INFORMATION FOR HVAC, PLUMBING AND SPECIAL EQUIPMENT. COORDINATE EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH APPROPRIATE TRADES DRAWINGS.
- N THE CONTRACTOR SHALL PROVIDE AUTOMATIC RECEPTACLE CONTROL THAT MEETS ASHRAE 90.1, WHERE AT LEAST 50% OF ALL 125 VOLT, 20 AMP RECEPTACLES SHALL HAVE AUTOMATIC CONTROL IN THE FOLLOWING AREAS: PRIVATE OFFICES, OPEN OFFICES, AND COMPUTER CLASSROOMS. SEE DETAIL 1, SHEET EL501 FOR CONTROL SCHEMATIC.

KEY NOTES

- 1 PROVIDE 30A/3P/3R SHUNT TRIP TYPE ELEVATOR CONTROL ES SWITCH IN ELECTRICAL ROOM 203 TO POWER ELEVATOR CONTROLLER IN DOOR FRAME OF ELEVATOR. ELEVATOR ES SWITCH TO BE PROVIDED WITH CONTROL TRANSFORMER, FIRE SAFETY INTERFACE RELAY, FIRE ALARM VOLTAGE MONITORING RELAY, AUXILIARY CONTACTS AND GREEN PILOT LIGHT "ON". FIELD MODIFY DISCONNECT TO LOCK DISCONNECT IN ON POSITION PER NFPA 70, 110.25. COORDINATE FIRE ALARM INTERFACE CONNECTIONS WITH FIRE ALARM SHOP DRAWINGS/INSTALLER PRIOR TO ORDERING ELEVATOR ES SWITCH. ROUTE TO PANEL HB2A-20, 22, 24.
- 2 MAKE CONNECTION TO ELEVATOR CAB LIGHTS ON CONTROLLER MOUNTED IN ELEVATOR DOOR FRAME. ROUTE TO PANEL LB2A-23.
- 3 MAKE CONNECTION TO ELEVATOR CONTROLLER MOUNTED IN ELEVATOR DOOR FRAME. FEED ELEVATOR CONTROLLER VIA 30A/3P/3R SHUNT TRIP TYPE ELEVATOR CONTROL ES SWITCH IN ELECTRICAL ROOM 203.
- 4 RECEPTACLE MOUNTED INSIDE THE TV BOX SHOWN ON SPECIAL SYSTEMS PLAN. COORDINATE LOCATION WITH OWNER AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 5 WHERE EQUIPMENT DESIGNATION IS INDICATED ON FLOOR PLANS, PROVIDE ELECTRICAL CONNECTION TO EACH TOILET/ URINAL/ SINK IN ROOM. COORDINATE EACH ELECTRICAL CONNECTION WITH PLUMBING FIXTURE CONTROLLER. PLUMBING FIXTURE PROVIDED BY PLUMBING CONTRACTOR. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.
- 6 WHERE EQUIPMENT CONNECTION IS SHOWN PROVIDE A 120V ELECTRICAL CONNECTION TO EACH HAND DRYER. COORDINATE ELECTRICAL CONNECTION REQUIREMENTS WITH HAND DRYER. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION. MOTOR RATED SWITCH SHOULD BE PROVIDED IN THE ACCESSIBLE CEILING DIRECTLY ABOVE HAND DRYERS FOR A MEANS OF DISCONNECTION. IF THERE IS NO ACCESSIBLE CEILING DIRECTLY ABOVE HAND DRYER, THE MOTOR RATED SWITCH SHOULD BE PLACED IN THE NEAREST ACCESSIBLE CEILING.
- 7 OPEN TO BELOW. SEE EP104 FOR RECEPTACLE LAYOUT IN THIS AREA.
- 8 MAKE CONNECTION TO DOOR MAGNETIC LOCK AS REQUIRED. SEE ACCESS CONTROL DETAIL ON ET501 FOR MORE INFORMATION. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.

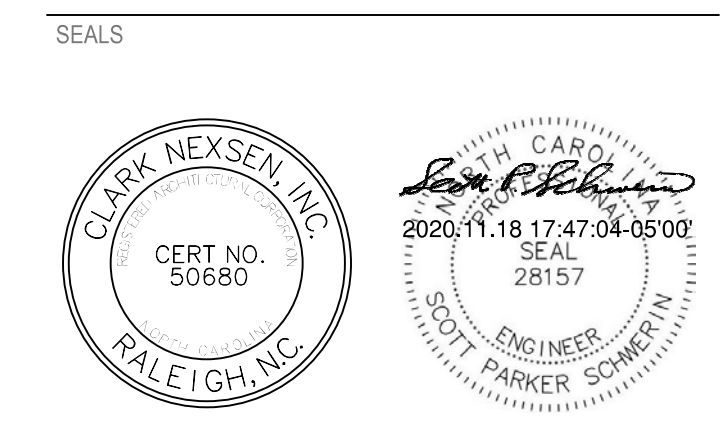
GRAPHIC SCALE(S)



HENDERSON COUNTY AND BLUE RIDGE
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**BRCC - PATTON HALL
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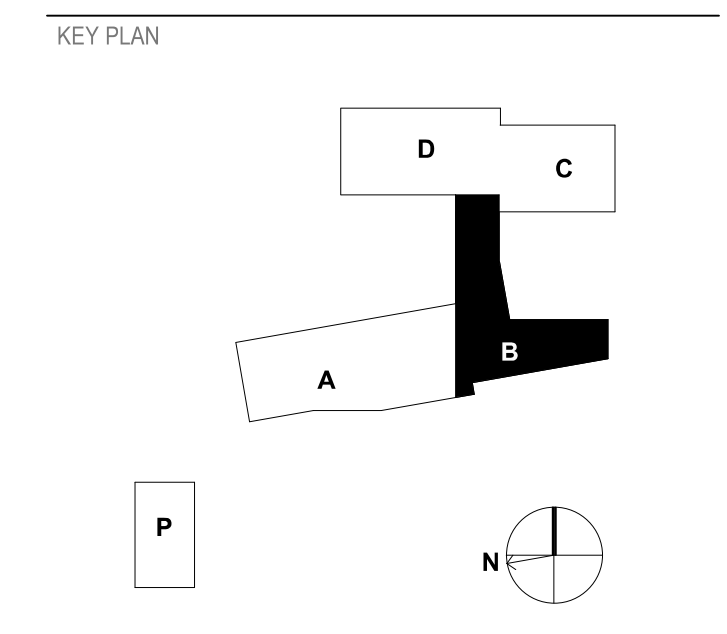
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SUBMITTAL
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CONSTRUCTION DOCUMENTS

REVISIONS

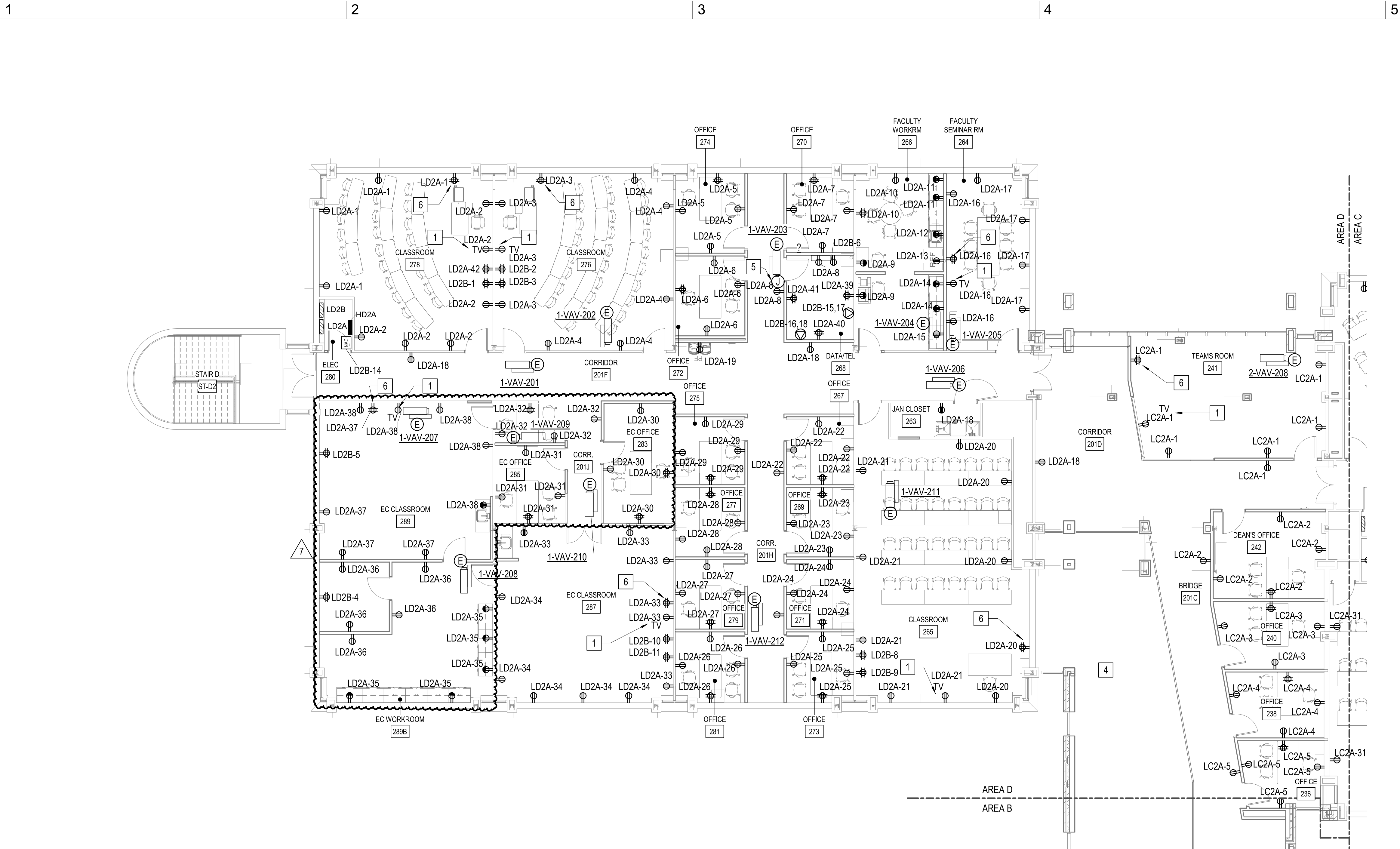
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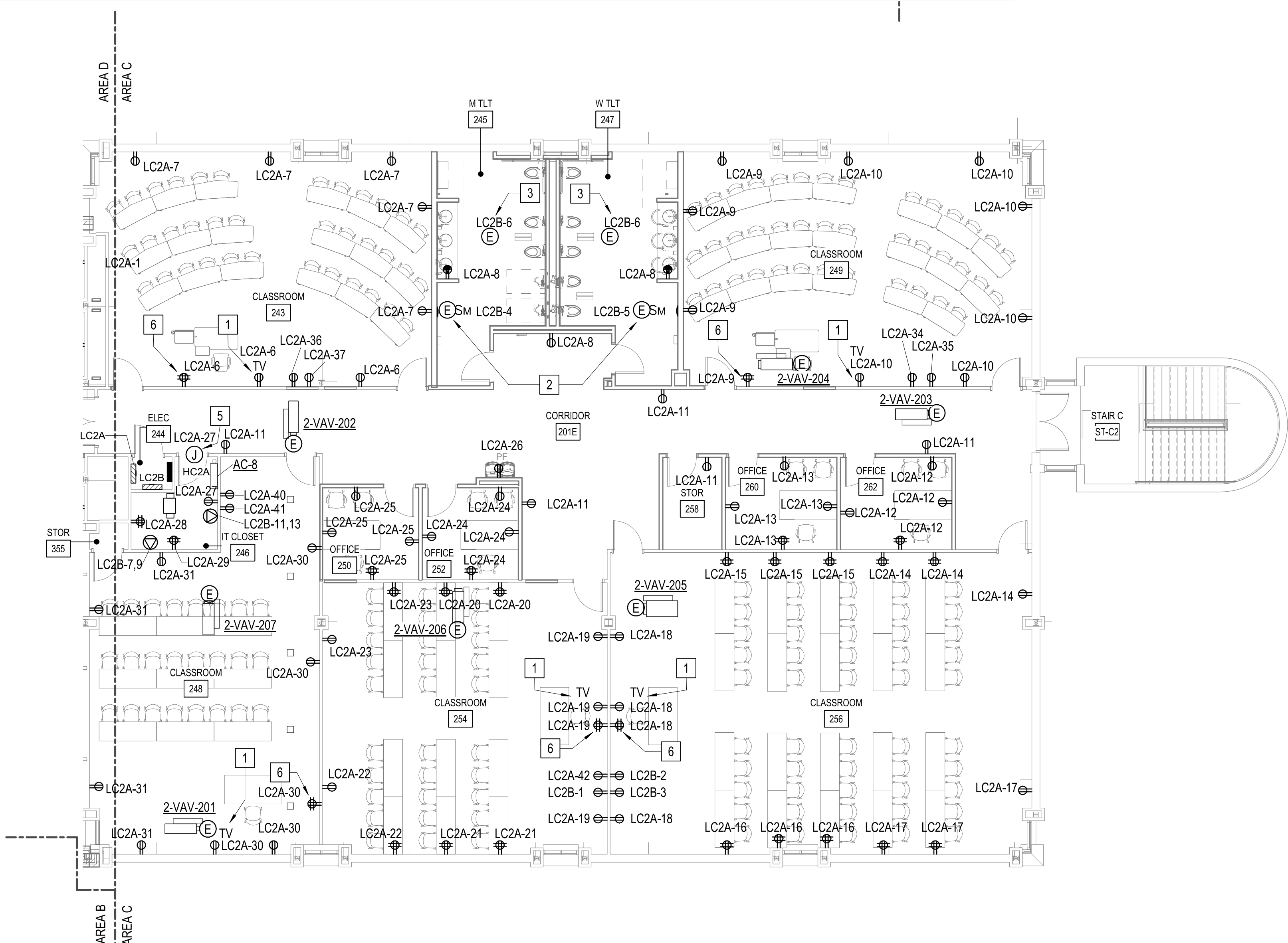
SHEET
**POWER FLOOR PLAN - LEVEL 2
- AREA B**

EP107

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS
CN 5199-L



2 POWER FLOOR PLAN - LEVEL 2 - AREA D
1/8" = 1'-0"



1 POWER FLOOR PLAN - LEVEL 2 - AREA C
1/8" = 1'-0"

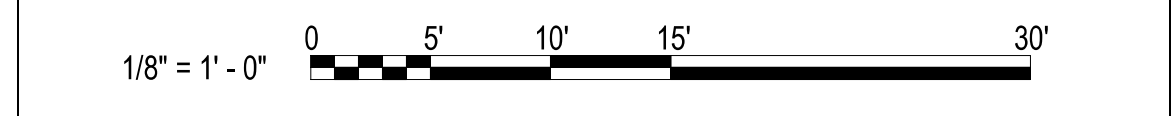
GENERAL NOTES

- A MOUNTING HEIGHTS AS INDICATED ON THE DRAWINGS SHALL BE FROM THE FINISHED FLOOR TO THE CENTER LINE OF THE OUTLET BOX.
- B WHERE POWER AND COMPUTER/DATA OUTLETS ARE LOCATED BENEATH A WINDOW AND THE CONDUIT IS TO BE ROUTED OVERHEAD, THE CONDUIT SHALL BE ROUTED TO THE NEAREST PORTION OF THE WALL THAT ALLOWS THE CONDUIT TO RISE UP TO ABOVE THE ACCESSIBLE CEILING.
- C COORDINATE FINAL RECEPTACLE LOCATIONS, SPECIAL RECEPTACLE LOCATIONS, TV LOCATIONS, VOICE/DATA OUTLET LOCATIONS, LAPTOP CART LOCATIONS, AND ANY OTHER EQUIPMENT THAT REQUIRES POWER WITH ARCHITECTURAL CASEWORK AND OWNER PRIOR TO ROUGH-IN.
- D ALL FLUSH RECESSED OUTLET BOXES IN NON-COMBUSTIBLE MATERIAL SHALL BE INSTALLED SUCH THAT FRONT EDGE OF THE BOX WILL NOT BE SET BACK OFF THE FINISHED SURFACE MORE THAN 1/4 IN AS NOTED IN NFPA 70 SECTION 314.20. INSTALLATIONS WITHIN A COMBUSTIBLE SURFACE MATERIAL MUST EXTEND TO THE FINISHED SURFACE. SUPPORT OF THE OUTLET BOX BY THE DEVICE OR COVERPLATE IS NOT ACCEPTABLE. SEE NEC SECTION 314.23.
- E CAREFULLY COORDINATE ROUGH-IN WITH ARCHITECTURAL AND BLOCK MASONS.
- F ALL RECEPTACLES WITHIN 6FT OF A SINK, IN BATHROOMS, OUTDOORS, ON A ROOFTOP, OR IN LOCATIONS DETERMINED BY NFPA 70 SECTION 210.8 MUST HAVE GFCI PROTECTION.
- G COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT PRIOR TO ELECTRICAL ROUGH-IN.
- H CONTRACTOR TO PROVIDE AN IN-BUILDING RADIO SIGNAL AMPLIFICATION SYSTEM (IBEC) TO PROVIDE COMPLETE COVERAGE IN THE BUILDING FOR THE PUBLIC SAFETY AGENCIES AS REQUIRED BY THE LOCAL A.H.J. THAT MEETS THE CURRENT NFPA 72, IFC 510.2 AND ALL LOCAL CODES AND ORDINANCES. SEE SPECIFICATIONS FOR PERFORMANCE SPEC.
- I CONTRACTOR TO COORDINATE WITH ARCHITECT FOR INSTALLATION OF ANY DEVICES IN THE MULLION OF EACH ENTRANCE. NO EXPOSED CONDUIT OR BOXES SHALL BE ALLOWED ON MULLION.
- J ALL BREAKERS SERVING LIFE SAFETY EQUIPMENT (FIRE ALARM) SHALL BE LABELED AS SUCH WITH RED IDENTIFICATION TAG "FIRE ALARM CIRCUIT". PROVIDED BREAKER WITH DEVICE TO LOCK BREAKER IN THE ON POSITION SUCH AS "ECLIPS ELOCK-FA" OR EQUAL DEVICE TO MEET NFPA 70, ARTICLE 760.41(B).
- K COORDINATE ELECTRICAL CONNECTIONS TO NAC, ACU, DDC, AND FACP PANELS WITH THE RELEVANT DISCIPLINE. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- L COORDINATE EXACT LOCATION OF FLOOR BOXES WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- M SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET EP110 FOR ALL POWER CONNECTION INFORMATION FOR HVAC, PLUMBING AND SPECIAL EQUIPMENT. COORDINATE EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH APPROPRIATE TRADE DRAWINGS.
- N THE CONTRACTOR SHALL PROVIDE AUTOMATIC RECEPTACLE CONTROL THAT MEETS ASHRAE 90.1, WHERE AT LEAST 50% OF ALL 125 VOLT, 20 AMP RECEPTACLES SHALL HAVE AUTOMATIC CONTROL IN THE FOLLOWING AREAS: PRIVATE OFFICES, OPEN OFFICES, AND COMPUTER CLASSROOMS. SEE DETAIL 1, SHEET EL501 FOR CONTROL SCHEMATIC.

KEY NOTES

- 1 RECEPTACLE MOUNTED INSIDE THE TV BOX SHOWN ON SPECIAL SYSTEMS PLAN. COORDINATE LOCATION WITH OWNER AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 2 WHERE EQUIPMENT CONNECTION IS SHOWN PROVIDE A 120V ELECTRICAL CONNECTION TO EACH HAND DRYER. COORDINATE ELECTRICAL CONNECTION REQUIREMENTS WITH HAND DRYER. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION. MOTOR RATED SWITCH SHOULD BE PROVIDED IN THE ACCESSIBLE CEILING DIRECTLY ABOVE HAND DRYERS FOR A MEANS OF DISCONNECTION. IF THERE IS NO ACCESSIBLE CEILING DIRECTLY ABOVE HAND DRYER, THE MOTOR RATED SWITCH SHOULD BE PLACED IN THE NEAREST ACCESSIBLE CEILING.
- 3 WHERE EQUIPMENT DESIGNATION IS INDICATED ON FLOOR PLANS, PROVIDE ELECTRICAL CONNECTION TO EACH TOILET/ URINAL/ SINK IN ROOM. COORDINATE EACH ELECTRICAL CONNECTION WITH PLUMBING FIXTURE CONTROLLER. PLUMBING FIXTURE PROVIDED BY PLUMBING CONTRACTOR. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.
- 4 OPEN TO BELOW. SEE EP105 FOR RECEPTACLE LAYOUT IN THIS AREA.
- 5 MAKE CONNECTION TO DOOR MAGNETIC LOCK AS REQUIRED. SEE ACCESS CONTROL DETAIL ON ET501 FOR MORE INFORMATION. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.
- 6 RECEPTACLE MOUNTED INSIDE THE WALL BOX SHOWN ON SPECIAL SYSTEMS PLAN. COORDINATE LOCATION WITH OWNER AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

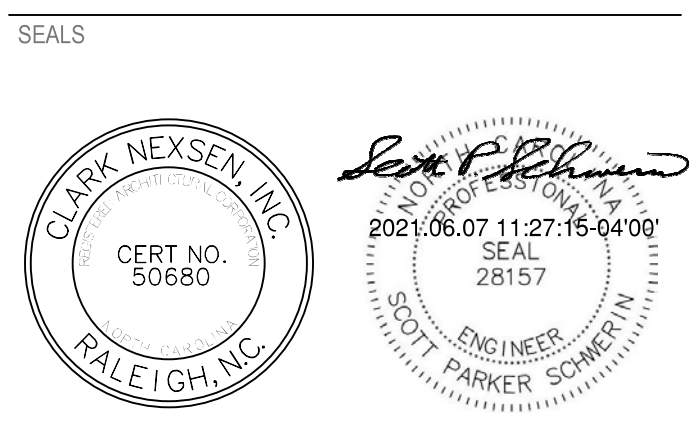
GRAPHIC SCALE(S)



HENDERSON COUNTY AND BLUE RIDGE COMMUNITY COLLEGE
BRCC - PATTON HALL INTERIOR RENOVATION AND ADDITION
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FLAT ROCK, NC 28731



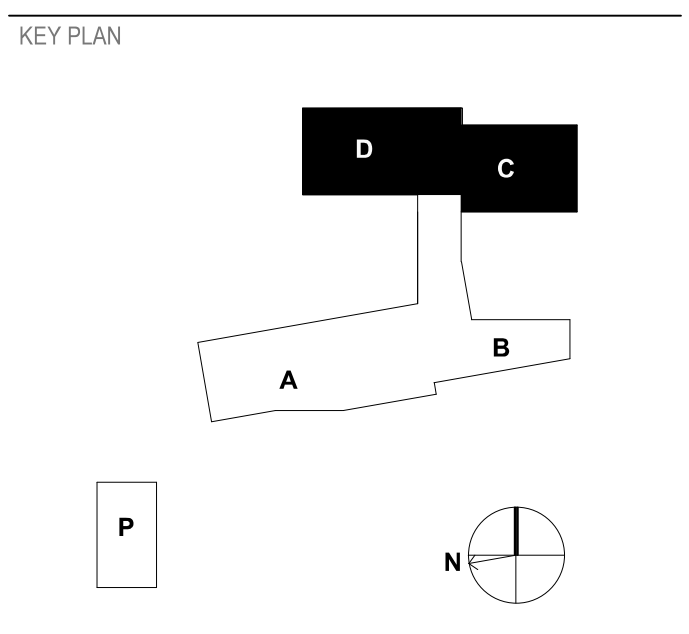
DESIGNER
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828-232-0008
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SUBMITTAL
10/19/20
CONSTRUCTION DOCUMENTS

REVISIONS

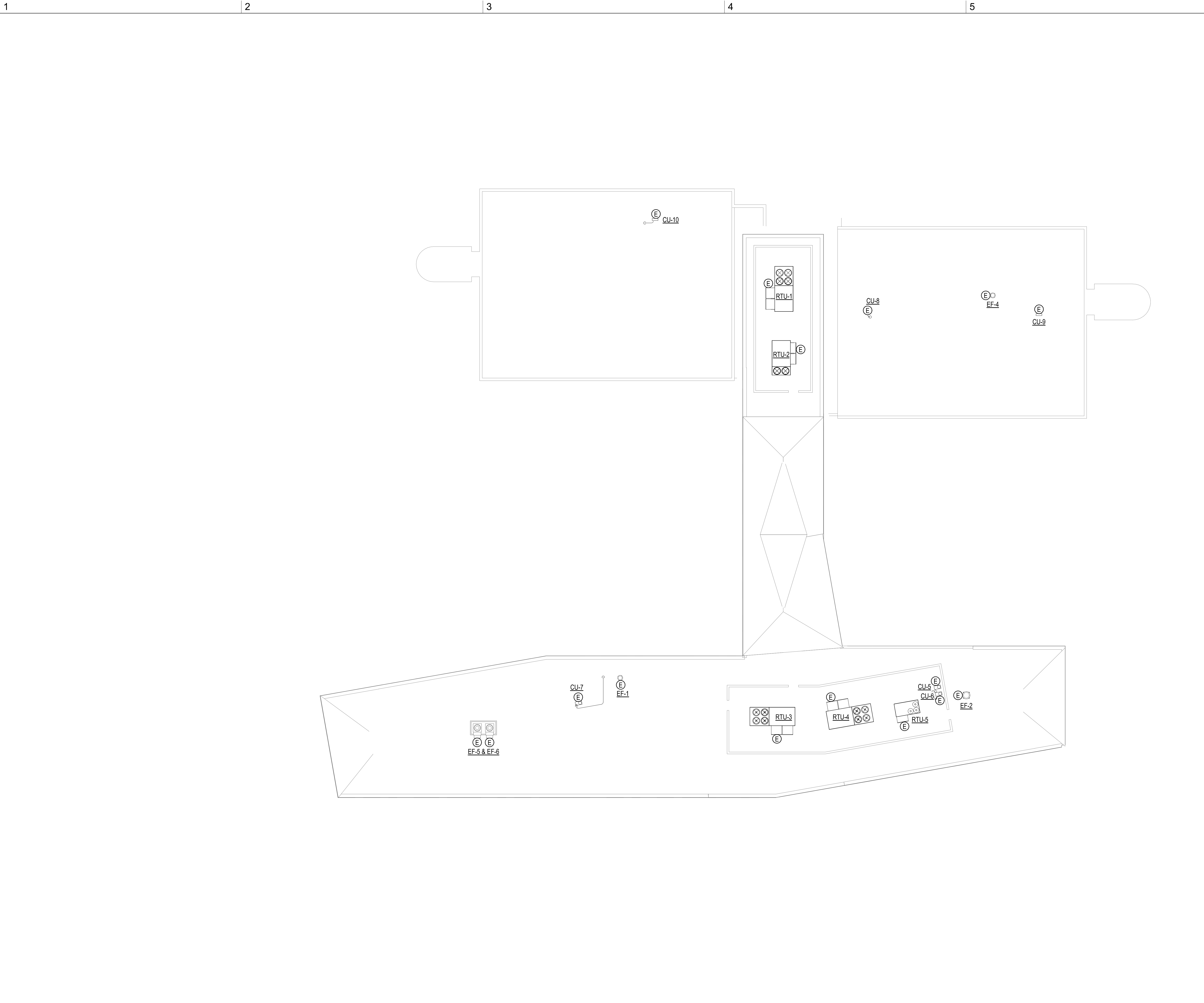
1	11/20/20	ADDENDUM 1
7	05/12/21	Early Childhood



SHEET
POWER FLOOR PLAN - LEVEL 2 - AREA C & D

EP108

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS
CN 5199-L



1 POWER PLAN - ROOF
1/16" = 1'-0"

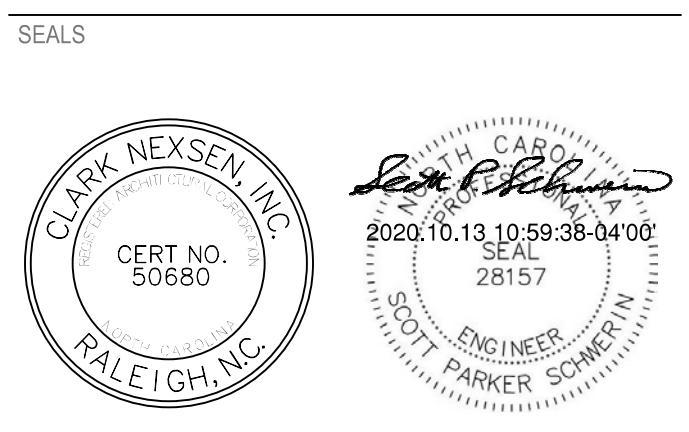
GENERAL NOTES

A. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET EP110 FOR ALL POWER CONNECTION INFORMATION FOR HVAC, PLUMBING AND SPECIAL EQUIPMENT.

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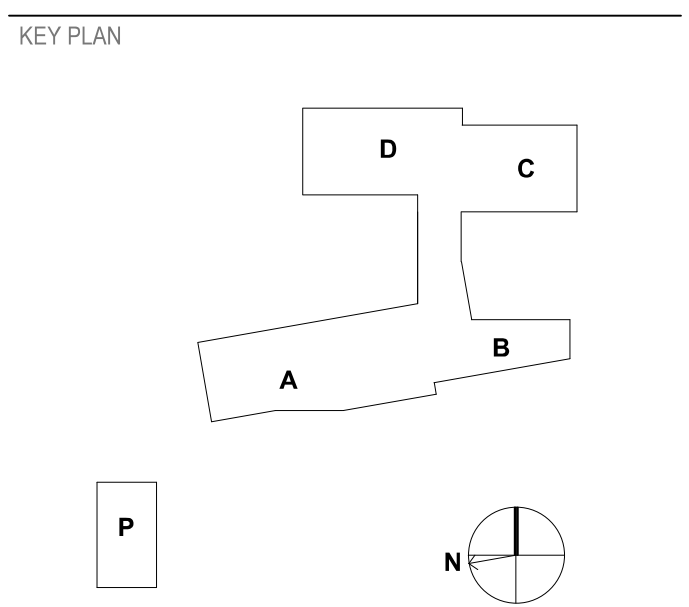
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SUBMITTAL
10/19/20
CONSTRUCTION DOCUMENTS

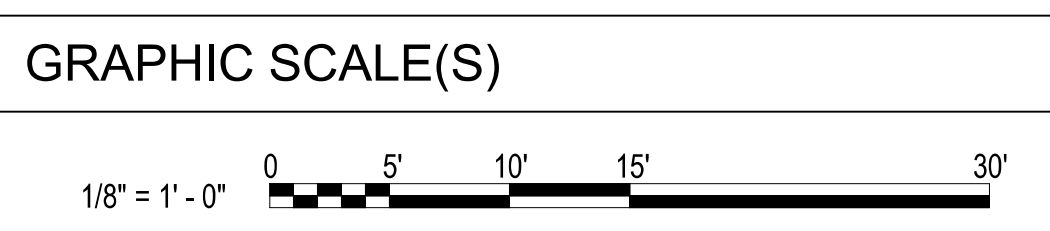
REVISIONS

NO.	DESCRIPTION



SHEET
POWER FLOOR PLAN - ROOF

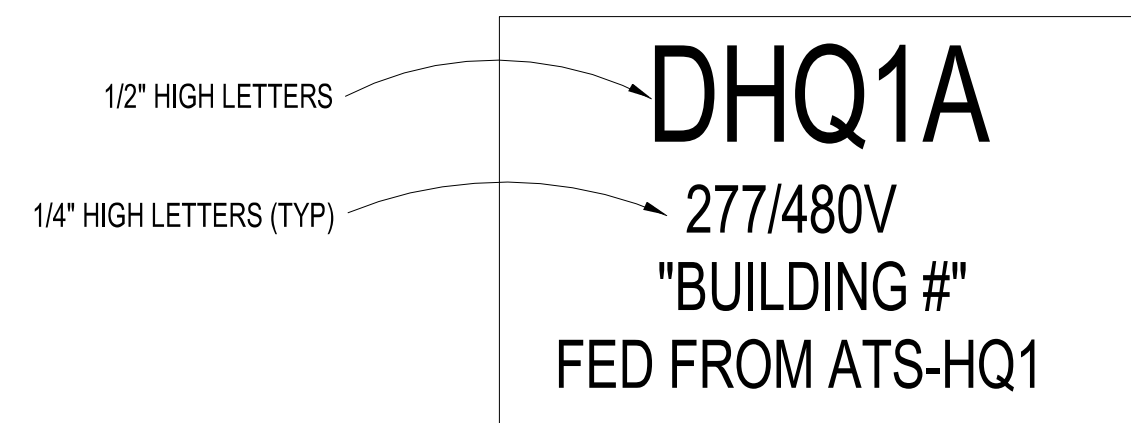
EP109



DESIGN: MRB
DRAWN: SJB
REVIEW: SPS
CN 5199-L

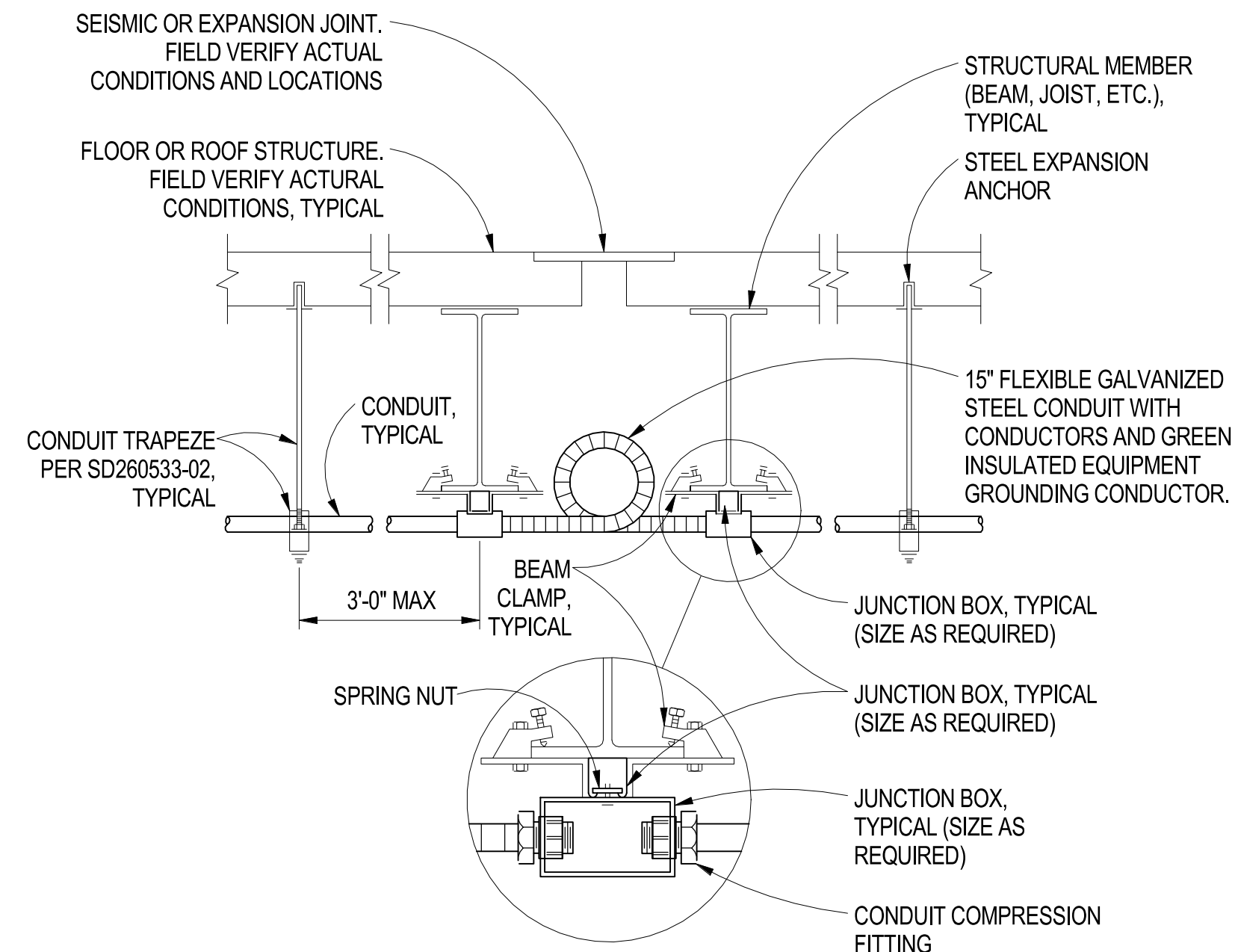
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PANEL DEFINITIONS			
VOLTAGE	AREA	LEVEL	PANEL #
H = 277/480	A = WING A	0 = LEVEL 0	A = ONE
L = 120/208	B = WING B	1 = LEVEL 1	B = TWO
	C = WING C	2 = LEVEL 2	C = THREE
	D = WING D		D = FOUR
			E = FIVE
			F = SIX
			ETC.

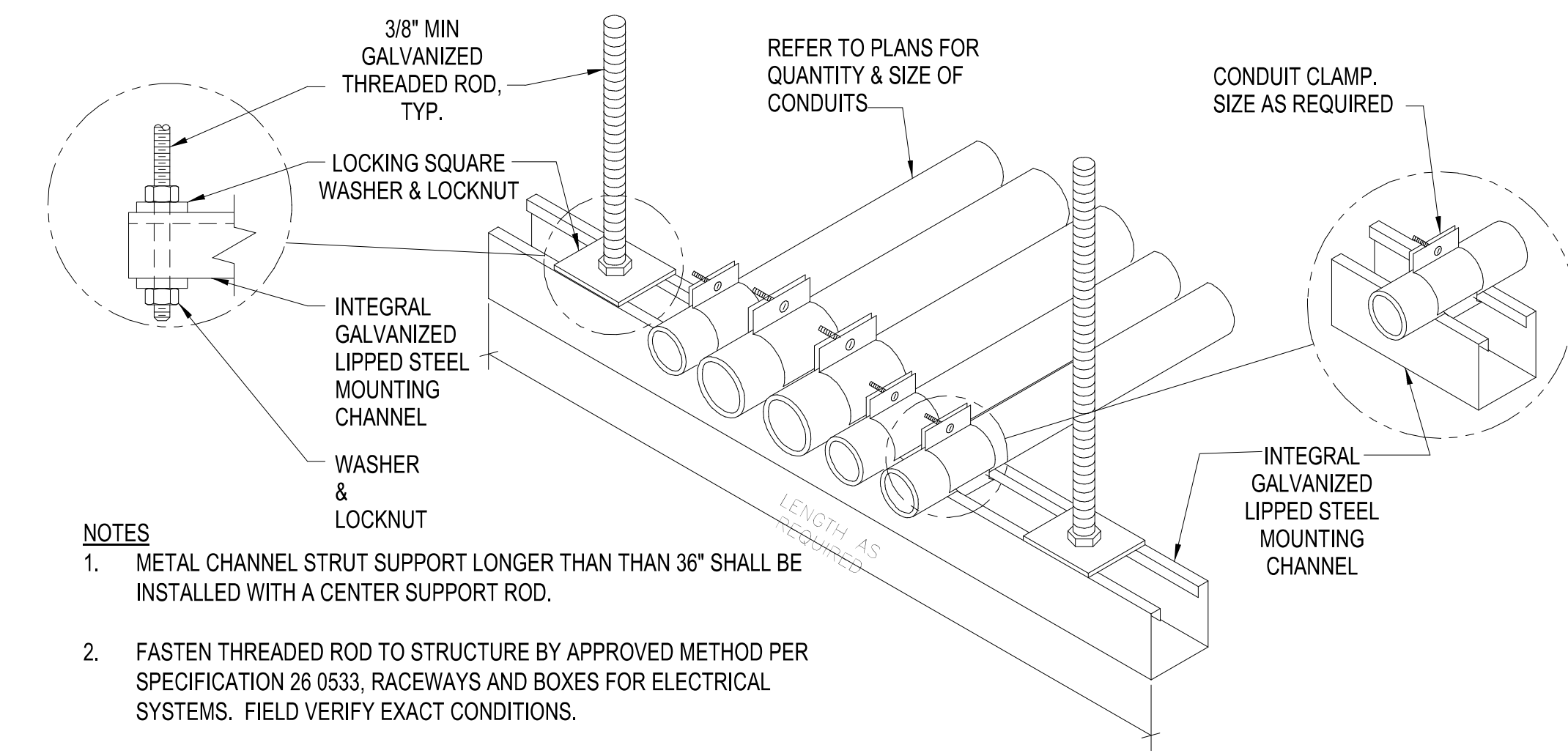


TYPICAL EQUIPMENT IDENTIFICATION NAMEPLATE
SCALE: NONE

1 TYPICAL EQUIPMENT IDENTIFICATION NAMEPLATE
NOT TO SCALE

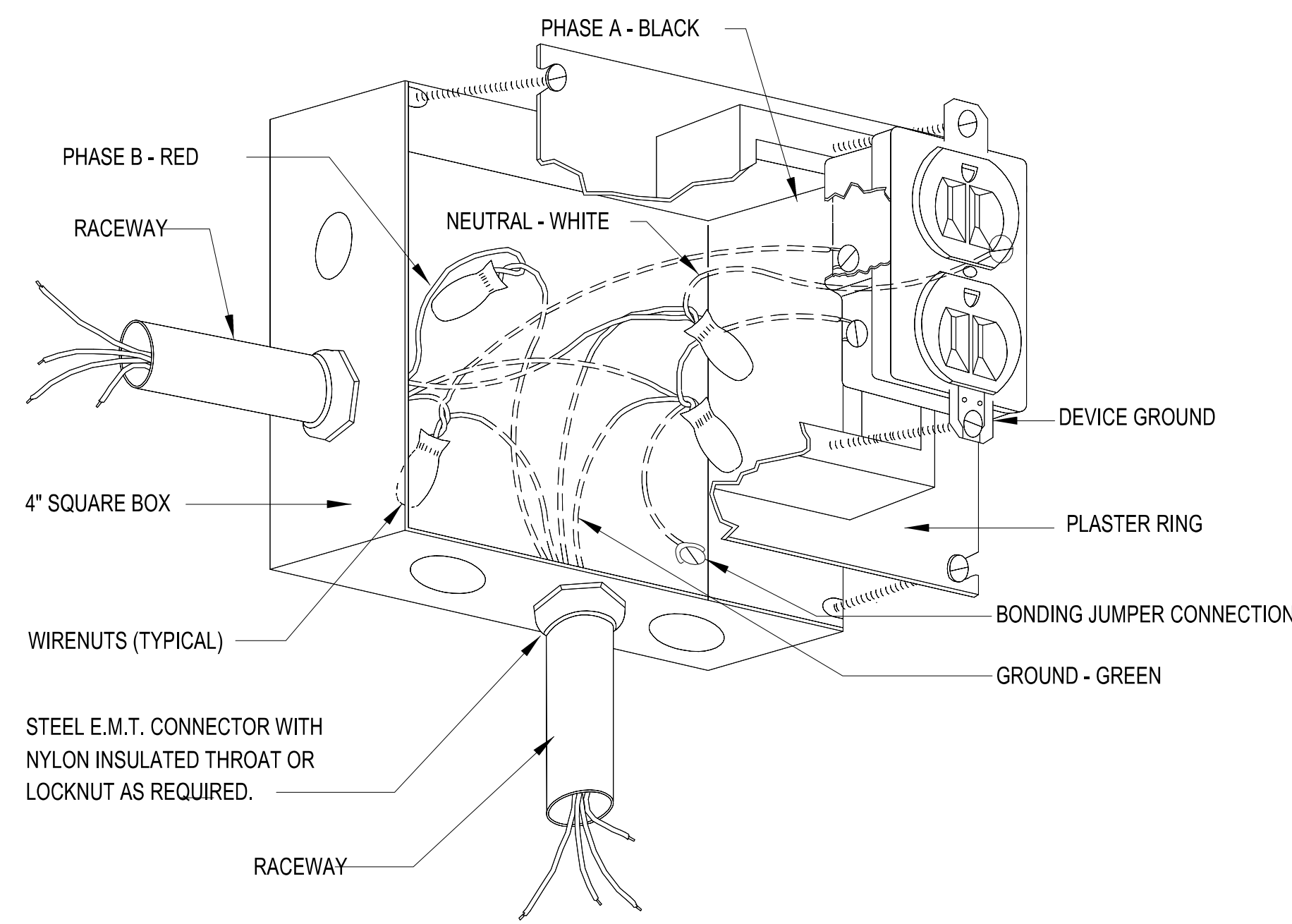


2 CONDUIT EXPANSION JOINT CROSSING DETAIL
NOT TO SCALE



- NOTES:
- METAL CHANNEL STRUT SUPPORT LONGER THAN 36" SHALL BE INSTALLED WITH A CENTER SUPPORT ROD.
 - FASTEN THREADED ROD TO STRUCTURE BY APPROVED METHOD PER SPECIFICATION 26 0533, RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS. FIELD VERIFY EXACT CONDITIONS.
 - FOR TRAPEZE INSTALLATIONS IN SEISMIC AREAS REFER TO SPECIFICATION SECTION 10 05 41, SEISMIC RESTRAINT REQUIREMENTS FOR NON-STRUCTURAL COMPONENTS.

3 CONDUIT TRAPEZE MOUNTING DETAIL
NOT TO SCALE

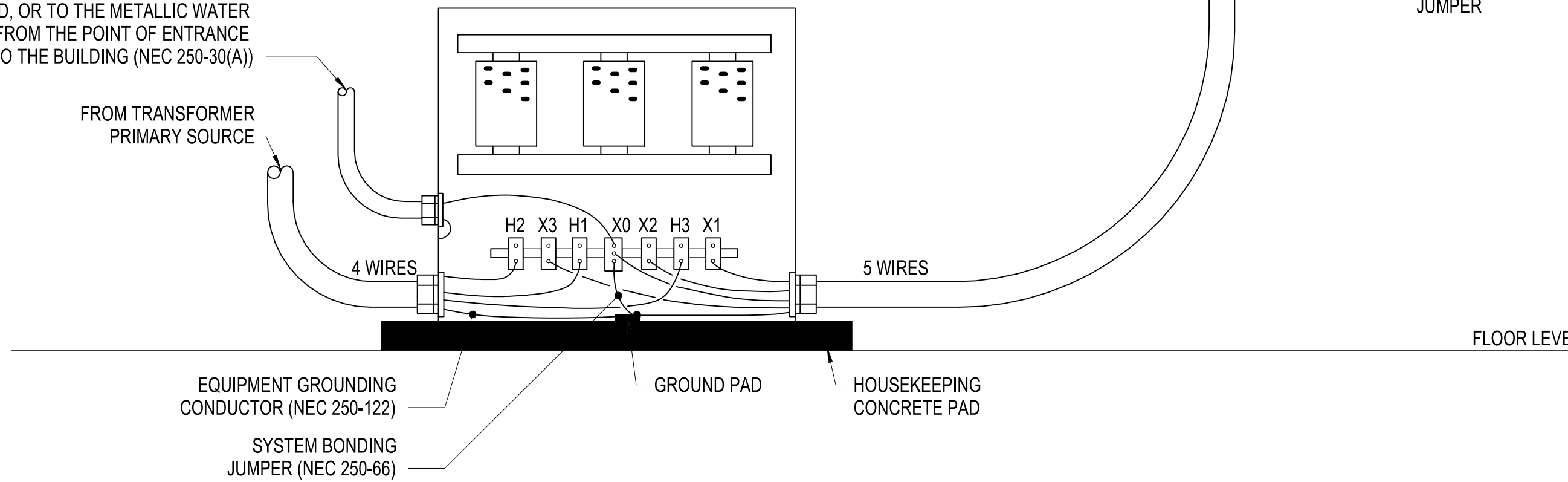


- NOTES:
- EACH CONDUCTOR IN BOX SHALL BE OF SUFFICIENT LENGTH FOR MAKING UP SPLICES.
 - DO NOT INSTALL WIRES IN BACK OF DEVICE. LOOP AROUND TERMINAL SCREWS.
 - FACE OF PLASTER RING (WHERE UTILIZED) SHALL BE FLUSH WITH WALL.
 - FRONT OF DEVICE SHALL BE WITHIN 1/8" OF FINISHED WALL.

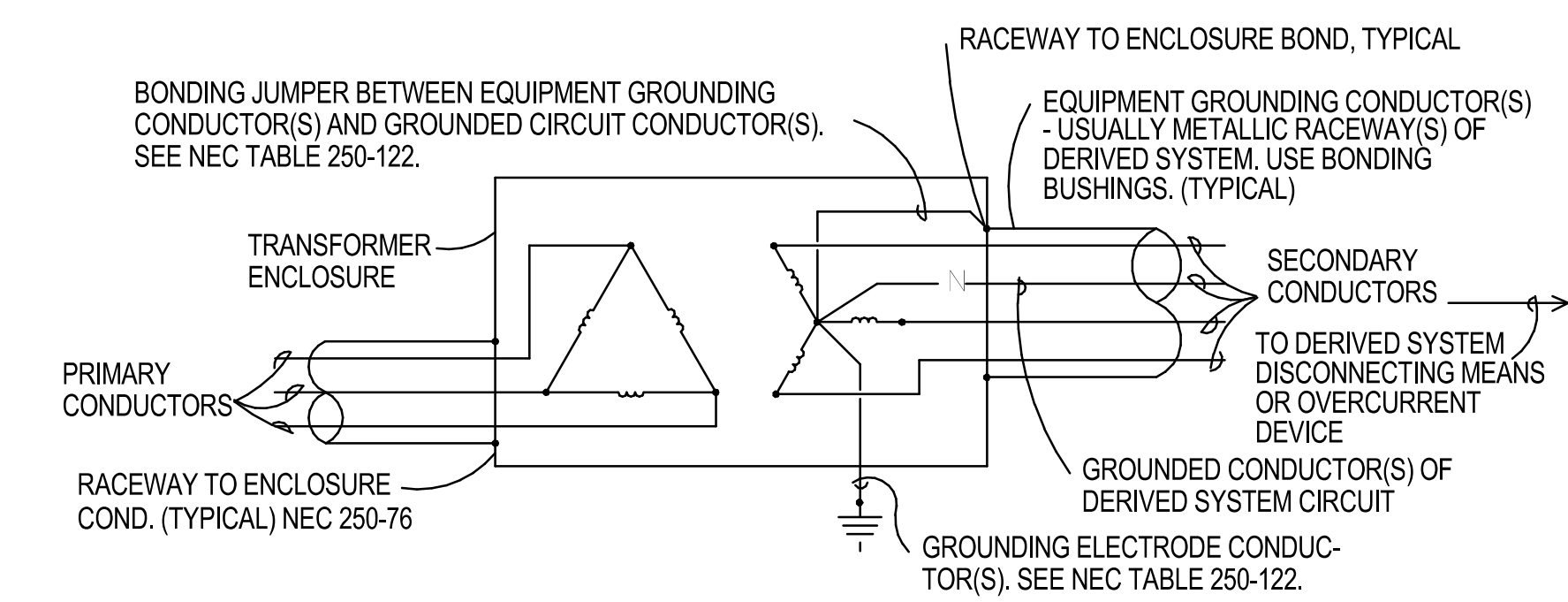
4 RECEPTACLE WIRING DETAIL
NOT TO SCALE

- NOTES:
- TRANSFORMER BONDING STRAP. IF NOT PROVIDED BY THE TRANSFORMER MANUFACTURER THIS STRAP SHOULD BE THE SAME SIZE AS THE SYSTEM BONDING JUMPER (250-30).
 - USE A BONDING BUSHING AND EQUIPMENT BONDING JUMPER AT THE METALLIC CONDUIT TERMINATION. JUMPER SHOULD BE THE SAME SIZE AS THE GROUNDING ELECTRODE CONDUCTOR CONTAINED IN THE METALLIC CONDUIT.
 - USE A BONDING CLAMP AT THE TERMINATION OF THE GROUNDING ELECTRODE CONDUCTOR TO THE ELECTRODE.

GROUNDING ELECTRODE TO THE NEAREST STEEL FRAME OF THE BUILDING, WHERE PROVEN TO BE SUITABLY GROUNDED, OR TO THE METALLIC WATER PIPE WITHIN 5 FEET FROM THE POINT OF ENTRANCE INTO THE BUILDING (NEC 250-30(A))



5 DRY TYPE TRANSFORMER GROUNDING DETAIL
NOT TO SCALE



* A SEPARATELY DERIVED ALTERNATING CURRENT SYSTEM (NEC 250-26). SINGLE PHASE 480 VOLT-120/240 VOLT SIMILAR.

6 DRY TYPE TRANSFORMER GROUNDING (480 - 208/120Y)
NOT TO SCALE

DESIGNER

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SEALS



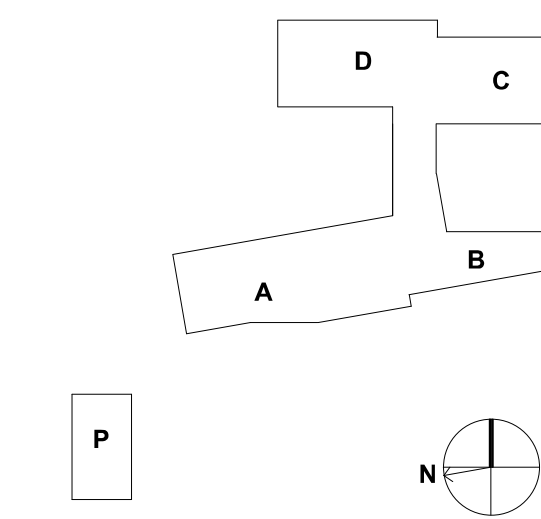
SUBMITTAL

10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DESCRIPTION



SHEET

POWER DETAILS

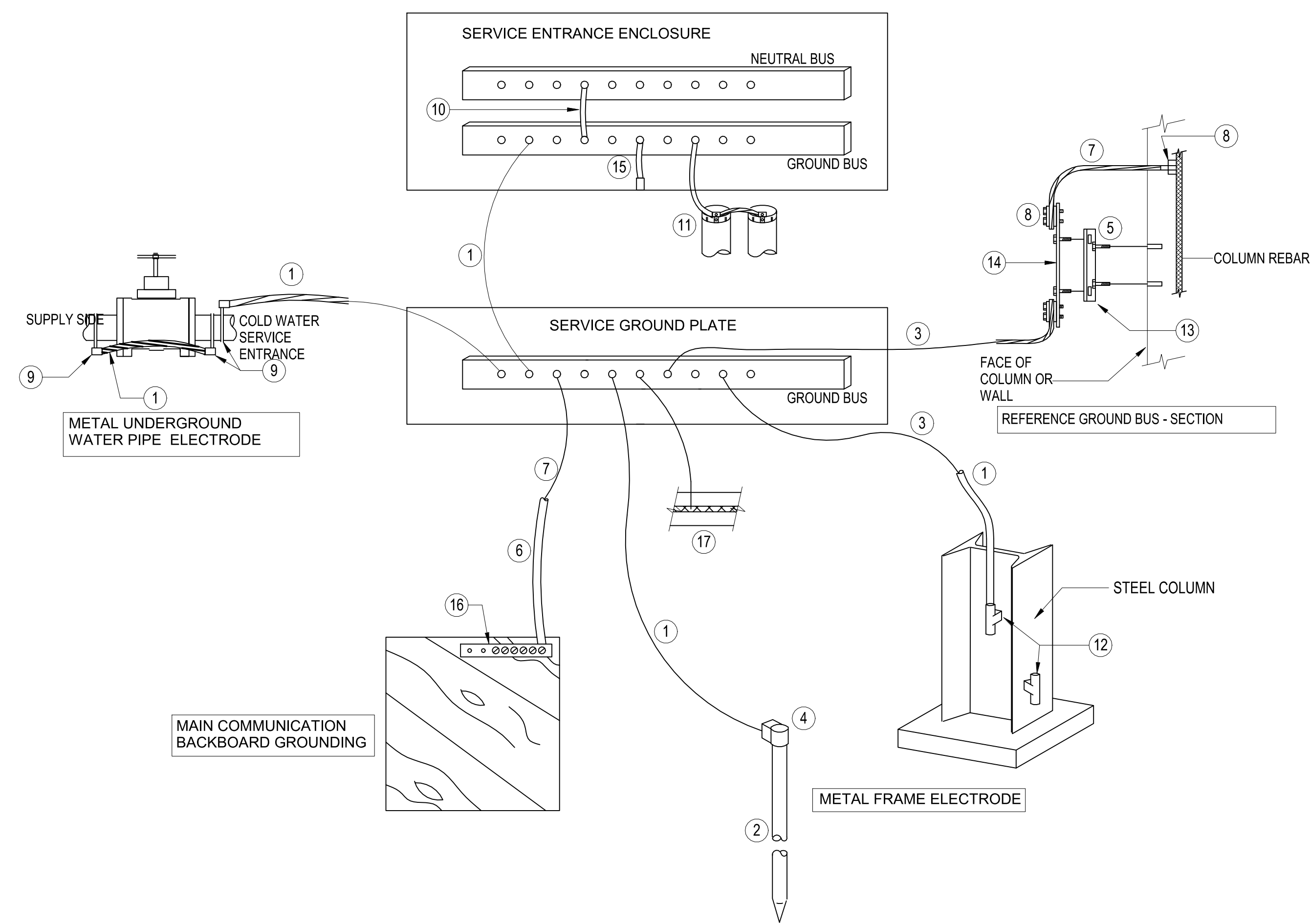
EP501

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L



NO.	DESCRIPTION

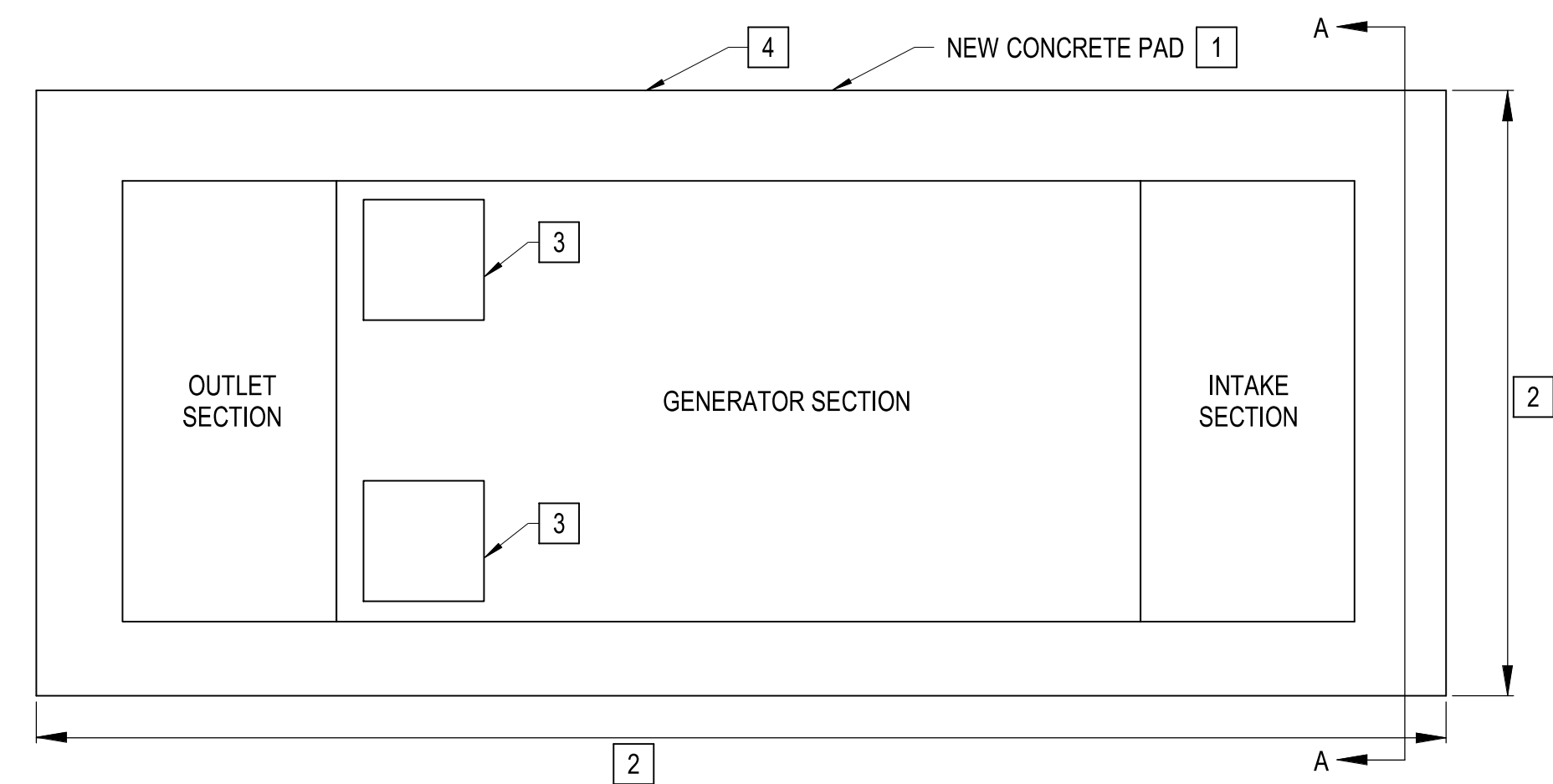


GROUNDING SYSTEM DETAIL - KEY NOTES

(ALL NOTES MAY NOT APPLY TO THIS PROJECT)

- 1 3/0 BARE GROUNDING ELECTRODE CONDUCTOR.
- 2 (3) 3/4"x10-0" COPPER CLAD STEEL GROUND ROD 10' APART, DRIVEN 24" BELOW GRADE MINIMUM.
- 3 3/0 BARE GROUNDING ELECTRODE CONDUCTOR IN 2"PVC-40.
- 4 EXOTHERMIC WELD CONNECTOR. TWO CABLES TO GROUND ROD, CADWELD #GT OR #GY. CABLE TO CABLE TEE, CADWELD #TA. ONE CABLE TO GROUND ROD, CADWELD #GR.
- 5 SILICON BRONZE BOLT & WASHER.
- 6 3/0 BONDING JUMPER IN 2" PVC-40.
- 7 3/0 BARE BONDING JUMPER.
- 8 EXOTHERMIC WELD, CABLE TO TWO HOLE LUG ASSEMBLY, CADWELD #GL.
- 9 CAST BRONZE, UL LISTED GROUND CLAMP, O-2/GEDNEY TYPE-G OR EQUAL.
- 10 BONDING JUMPER, SIZED BY EQUIPMENT MANUFACTURER PER NEC 250-102.
- 11 BONDING JUMPER TO GROUNDING BUSHING, AND BONDING JUMPERS FROM CONDUIT TO CONDUIT. ALL CONDUIT CONNECTED TO THE SERVICE ENTRANCE ENCLOSURE. SHALL BE BONDED, SIZED PER NEC 250-122.
- 12 EXOTHERMIC WELD, CABLE TO FLAT STEEL, CADWELD #V V.
- 13 TWO 1-1/2"x1-1/2"x6" HIGH SLOTTED GALVANIZED C-CHANNEL. MOUNT CHANNEL TO STRUCTURE WITH MACHINE BOLTS AND CONCRETE ANCHORS ON SOLID MASONRY OR TOGGLE BOLTS ON HOLLOW MASONRY OR GYPSUM BOARD. MOUNT COPPER BUS TO C-CHANNEL WITH 3/4" BOLT AND LOCK NUT ASSEMBLY.
- 14 1/4"x4"x24" COPPER BUS. DRILL AND TAP BUS FOR BUILDING GROUND CONNECTIONS SEPARATELY DERIVED SERVICES AND BACKBOARD GROUNDING POINTS.
- 15 MAIN BONDING JUMPER, SIZED BY MANUFACTURER PER 250-122.
- 16 6 CONDUCTOR GROUND BUS, COPPER OR ALUMINUM RATED, ILSCO #PET SERIES OR EQUAL.
- 17 PROVIDE ENCASED GROUNDING ELECTRODE CONSISTING OF A MINIMUM #4 AWG SOLID CONDUCTOR 20" IN CONTACT WITH EARTH, PER NEC 250.52 (3).
- 18 GENERAL NOTE: ALL METALLIC PIPING SYSTEMS IN BUILDING AND LIGHTNING PROTECTION SYSTEM (IF PROVIDED) ARE TO BE BONDED TO THE BUILDINGS GROUNDING SYSTEM WITH APPROPRIATE GROUNDING CONDUCTOR PER NEC 250.

1 GROUNDING SYSTEM DETAIL 1
NOT TO SCALE

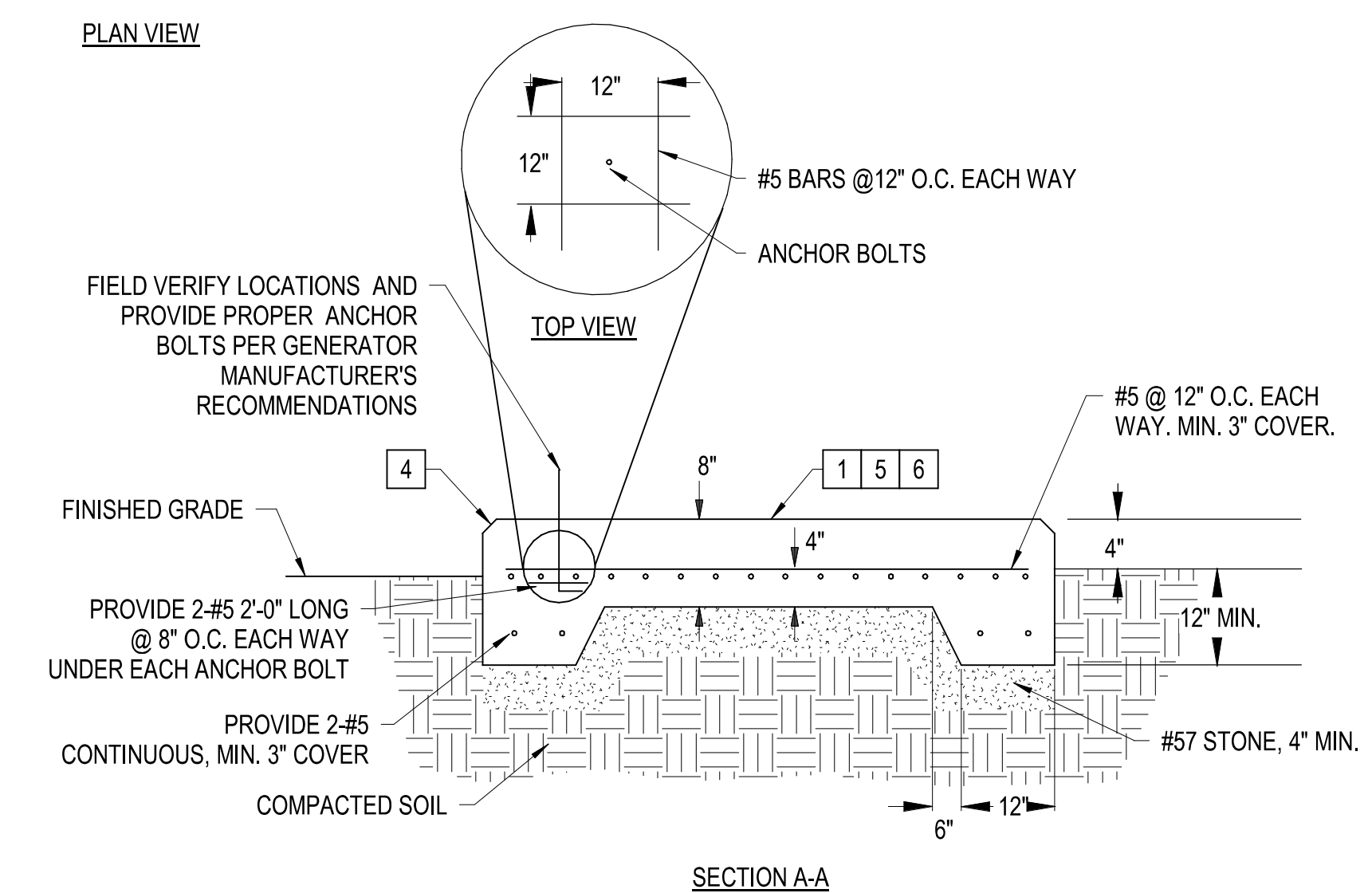


PLAN VIEW

NOTES: #
(GENERATOR PAD DETAILS ONLY)

- SLAB SHALL HAVE POSITIVE DRAINAGE FROM FRONT TO BACK. PROVIDE SHIMS FOR MOUNTING OF GENERATOR PER MANUFACTURER'S RECOMMENDATIONS FOR LEVEL INSTALLATION.
- PAD SHALL EXTEND MINIMUM 12" BEYOND GENERATOR FOOTPRINT ON ALL SIDES.
- CONDUIT ENTRANCE AREA. REFER TO EXISTING GENERATOR MANUFACTURER'S SHOP DRAWINGS AND EXISTING PAD LAYOUT. COORDINATE EXACT STUB-UP LOCATIONS AND LAYOUT OF ALL NEW CONDUITS TO FIT WITHIN AVAILABLE BOTTOM ENTRANCE AREAS OF GENERATOR ENCLOSURE AND AS CLOSE AS POSSIBLE TO POINTS OF TERMINATION.
- 1" X 45° CHAMFER ALL AROUND.
- CONCRETE SHALL BE NORMAL WEIGHT (150 PCF) AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. MOIST CURE CONCRETE WITH MOISTURE PROTECTIVE COVER FOR A MINIMUM OF 7 DAYS.
- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE. TIE ALL REINFORCING STEEL AND EMBEDMENTS SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO MAINTAIN THE POSITION OF REINFORCEMENT DURING ALL CONSTRUCTION ACTIVITIES.

2 GENERATOR PAD DETAIL
NOT TO SCALE



SECTION A-A

NEW SWBD HMSG-A SCHEDULE

Table with columns: COMPARTMENT DESCRIPTION, COND, WIRE, AF, AT, AMPS, KVA, PH, SURFACE MOUNTED. Includes sections for MAIN CIRCUIT BREAKER, CUSTOMER METERING COMPARTMENT, and various panels (A1-A12).

NEW PANEL HA0A SCHEDULE

Table with columns: CKT NO., LOAD DESCRIPTION, COND SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, SURFACE MOUNTED. Includes sections for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and totals.

NEW PANEL LA0A SCHEDULE

Table with columns: CKT NO., LOAD DESCRIPTION, COND SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, SURFACE MOUNTED. Includes sections for RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and totals.

NEW PANEL LA0A(2) SCHEDULE

Table with columns: CKT NO., LOAD DESCRIPTION, COND SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, SURFACE MOUNTED. Includes sections for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and totals.

NEW PANEL HA0B SCHEDULE

Table with columns: CKT NO., LOAD DESCRIPTION, COND SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, SURFACE MOUNTED. Includes sections for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and totals.

NEW PANEL LA0B SCHEDULE

Table with columns: CKT NO., LOAD DESCRIPTION, COND SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, SURFACE MOUNTED. Includes sections for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and totals.

NEW PANEL HA0C SCHEDULE

Table with columns: CKT NO., LOAD DESCRIPTION, COND SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, SURFACE MOUNTED. Includes sections for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and totals.

NEW PANEL LA0C SCHEDULE

Table with columns: CKT NO., LOAD DESCRIPTION, COND SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, SURFACE MOUNTED. Includes sections for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and totals.

NEW PANEL HB0A SCHEDULE

Table with columns: CKT NO., LOAD DESCRIPTION, COND SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, SURFACE MOUNTED. Includes sections for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and totals.

HENDERSON COUNTY AND BLUE RIDGE COMMUNITY COLLEGE BRCC - PATTON HALL INTERIOR RENOVATION AND ADDITION



DESIGNER

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SEALS



SUBMITTAL

10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS

Table with columns for revision number, date, and description.

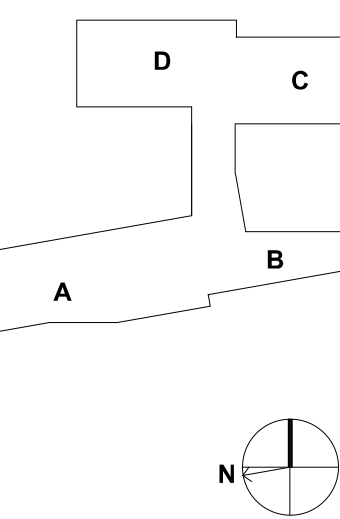
SHEET

PANELBOARD SCHEDULES

EP601

DESIGN: MRB DRAWN: SJB REVIEW: SPS

CN 5199-L



NEW PANEL LB0A SCHEDULE

Table with columns for QKT, LOAD DESCRIPTION, CONDUCTOR SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, KVA, AMPS, BKR TRIP, WIRE SIZE, CONDUCTOR SIZE, LOAD DESCRIPTION, QKT NO.

TOTAL AMPS (CONN. LOAD), TOTAL AMPS (FEEDTHRU), TOTAL AMPS (CONN. LOAD + FEED-THRU), PANELBOARD NOTES, PANELBOARD OPTIONS

Summary table for NEW PANEL LB0A with columns for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and various electrical load metrics.

NEW PANEL LB0B SCHEDULE

Table with columns for QKT, LOAD DESCRIPTION, CONDUCTOR SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, KVA, AMPS, BKR TRIP, WIRE SIZE, CONDUCTOR SIZE, LOAD DESCRIPTION, QKT NO.

TOTAL AMPS (CONN. LOAD), TOTAL AMPS (FEEDTHRU), TOTAL AMPS (CONN. LOAD + FEED-THRU), PANELBOARD NOTES, PANELBOARD OPTIONS

Summary table for NEW PANEL LB0B with columns for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and various electrical load metrics.

NEW PANEL HA1A SCHEDULE

Table with columns for QKT, LOAD DESCRIPTION, CONDUCTOR SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, KVA, AMPS, BKR TRIP, WIRE SIZE, CONDUCTOR SIZE, LOAD DESCRIPTION, QKT NO.

TOTAL AMPS (CONN. LOAD), TOTAL AMPS (FEEDTHRU), TOTAL AMPS (CONN. LOAD + FEED-THRU), PANELBOARD NOTES, PANELBOARD OPTIONS

Summary table for NEW PANEL HA1A with columns for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and various electrical load metrics.

NEW PANEL LA1A SCHEDULE

Table with columns for QKT, LOAD DESCRIPTION, CONDUCTOR SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, KVA, AMPS, BKR TRIP, WIRE SIZE, CONDUCTOR SIZE, LOAD DESCRIPTION, QKT NO.

TOTAL AMPS (CONN. LOAD), TOTAL AMPS (FEEDTHRU), TOTAL AMPS (CONN. LOAD + FEED-THRU), PANELBOARD NOTES, PANELBOARD OPTIONS

Summary table for NEW PANEL LA1A with columns for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and various electrical load metrics.

NEW PANEL HB1A SCHEDULE

Table with columns for QKT, LOAD DESCRIPTION, CONDUCTOR SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, KVA, AMPS, BKR TRIP, WIRE SIZE, CONDUCTOR SIZE, LOAD DESCRIPTION, QKT NO.

TOTAL AMPS (CONN. LOAD), TOTAL AMPS (FEEDTHRU), TOTAL AMPS (CONN. LOAD + FEED-THRU), PANELBOARD NOTES, PANELBOARD OPTIONS

Summary table for NEW PANEL HB1A with columns for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and various electrical load metrics.

NEW PANEL LB1A SCHEDULE

Table with columns for QKT, LOAD DESCRIPTION, CONDUCTOR SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, KVA, AMPS, BKR TRIP, WIRE SIZE, CONDUCTOR SIZE, LOAD DESCRIPTION, QKT NO.

TOTAL AMPS (CONN. LOAD), TOTAL AMPS (FEEDTHRU), TOTAL AMPS (CONN. LOAD + FEED-THRU), PANELBOARD NOTES, PANELBOARD OPTIONS

Summary table for NEW PANEL LB1A with columns for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and various electrical load metrics.

NEW PANEL HA2A SCHEDULE

Table with columns for QKT, LOAD DESCRIPTION, CONDUCTOR SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, KVA, AMPS, BKR TRIP, WIRE SIZE, CONDUCTOR SIZE, LOAD DESCRIPTION, QKT NO.

TOTAL AMPS (CONN. LOAD), TOTAL AMPS (FEEDTHRU), TOTAL AMPS (CONN. LOAD + FEED-THRU), PANELBOARD NOTES, PANELBOARD OPTIONS

Summary table for NEW PANEL HA2A with columns for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and various electrical load metrics.

NEW PANEL LA2A SCHEDULE

Table with columns for QKT, LOAD DESCRIPTION, CONDUCTOR SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, KVA, AMPS, BKR TRIP, WIRE SIZE, CONDUCTOR SIZE, LOAD DESCRIPTION, QKT NO.

TOTAL AMPS (CONN. LOAD), TOTAL AMPS (FEEDTHRU), TOTAL AMPS (CONN. LOAD + FEED-THRU), PANELBOARD NOTES, PANELBOARD OPTIONS

Summary table for NEW PANEL LA2A with columns for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and various electrical load metrics.

NEW PANEL LA2B SCHEDULE

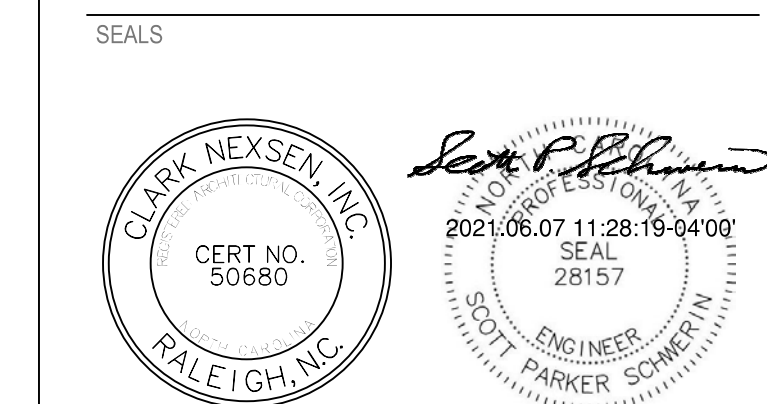
Table with columns for QKT, LOAD DESCRIPTION, CONDUCTOR SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, KVA, AMPS, BKR TRIP, WIRE SIZE, CONDUCTOR SIZE, LOAD DESCRIPTION, QKT NO.

TOTAL AMPS (CONN. LOAD), TOTAL AMPS (FEEDTHRU), TOTAL AMPS (CONN. LOAD + FEED-THRU), PANELBOARD NOTES, PANELBOARD OPTIONS

Summary table for NEW PANEL LA2B with columns for LIGHTING, RECEPTACLES, MECH EQUIP, ELECTRIC HEAT, WATER HEATERS, KITCHEN EQUIP, and various electrical load metrics.

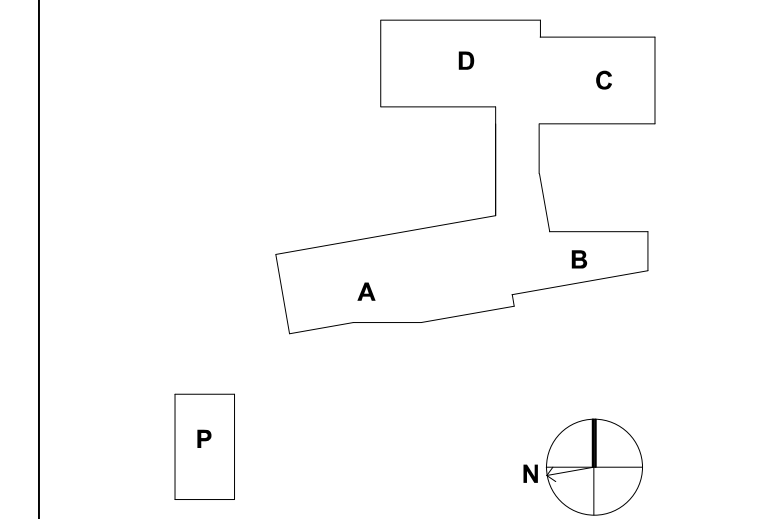


DESIGNER CLARK NEXSEN 301 College Street, Suite 300 Asheville, North Carolina 28801



SUBMITTAL 10/19/20 CONSTRUCTION DOCUMENTS

REVISIONS 7 05/12/21 Early Childhood



SHEET PANELBOARD SCHEDULES

EP602

NEW PANEL LA2C SCHEDULE. 100 AMP MLO, 208Y/120 VOLTS, 3PH, 4W, 5N, MIN. 22 KAC, SURFACE MOUNTED. Includes load descriptions like lighting, receptacles, and kitchen equipment with associated wire sizes and amp ratings.

NEW PANEL LA2D SCHEDULE. 100 AMP MLO, 208Y/120 VOLTS, 3PH, 4W, 5N, MIN. 22 KAC, SURFACE MOUNTED. Includes load descriptions and electrical specifications.

NEW PANEL LA2E SCHEDULE. 100 AMP MLO, 208Y/120 VOLTS, 3PH, 4W, 5N, MIN. 22 KAC, SURFACE MOUNTED. Includes load descriptions and electrical specifications.

NEW PANEL HB2A SCHEDULE. 800 AMP MCB, 480Y/277 VOLTS, 3PH, 4W, 5N, MIN. 22 KAC, SURFACE MOUNTED. Includes load descriptions and electrical specifications.

NEW PANEL LB2A SCHEDULE. 225 AMP MCB, 208Y/120 VOLTS, 3PH, 4W, 5N, MIN. 22 KAC, SURFACE MOUNTED. Includes load descriptions and electrical specifications.

NEW PANEL LB2B SCHEDULE. 225 AMP MLO, 208Y/120 VOLTS, 3PH, 4W, 5N, MIN. 22 KAC, SURFACE MOUNTED. Includes load descriptions and electrical specifications.

NEW PANEL HMDP-D SCHEDULE. 1000 AMP MCB, 480Y/277 VOLTS, 3PH, 4W, 5N, MIN. 22 KAC, SURFACE MOUNTED. Includes load descriptions and electrical specifications.

NEW PANEL LMDP-D SCHEDULE. 1000 AMP MCB, 480Y/277 VOLTS, 3PH, 4W, 5N, MIN. 22 KAC, FLOOR MOUNTED, SE RATED. Includes load descriptions and electrical specifications.

NEW PANEL HD1A SCHEDULE. 225 AMP MLO, 480Y/277 VOLTS, 3PH, 4W, 5N, MIN. 22 KAC, SURFACE MOUNTED. Includes load descriptions and electrical specifications.



HENDERSON COUNTY AND BLUE RIDGE COMMUNITY COLLEGE BRCC - PATTON HALL INTERIOR RENOVATION AND ADDITION. Includes BlueRidge Community College logo, designer name CLARK NEXSEN, and address 301 College Street, Suite 300, Asheville, North Carolina 28801.

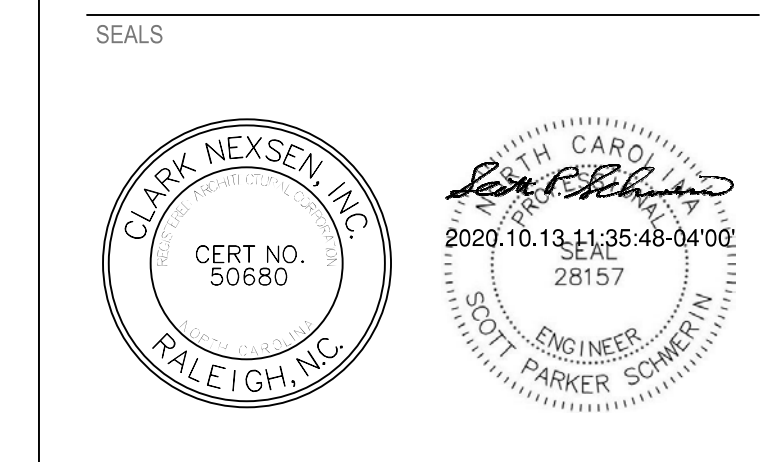
CLARK NEXSEN logo and seal. Includes text 'SEAL' and '2021.06.07 11:29:06 0400'. Also includes 'SUBMITTAL 10/19/20 CONSTRUCTION DOCUMENTS'.

CLARK NEXSEN, INC. seal and logo. Includes text 'SEAL' and '2021.06.07 11:29:06 0400'. Also includes 'REVISIONS 7 05/12/21 Early Childhood'.

PANELBOARD SCHEDULES EP603. Includes design information: DESIGN: MRB, DRAWN: SJB, REVIEW: SPS, CN 5199-L.



DESIGNER CLARK NEXSEN 301 College Street, Suite 300 Asheville, North Carolina 28801 828-232-0000 www.clarknexsen.com



SUBMITTAL 10/19/20 CONSTRUCTION DOCUMENTS

REVISIONS

SHEET PANELBOARD SCHEDULES

EP604

DESIGN: MRB DRAWN: SJB REVIEW: SPS CN 5199-L

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NEW PANEL LD1A SCHEDULE. Table with columns for Ckt No., Load Description, Cond, Wire Size, BKR, WIRE SIZE, COND, SURFACE MOUNTED. Includes sub-tables for Load Description and Totals (Conn, KVA, Amps).

NEW PANEL LD1B SCHEDULE. Table with columns for Ckt No., Load Description, Cond, Wire Size, BKR, WIRE SIZE, COND, SURFACE MOUNTED. Includes sub-tables for Load Description and Totals (Conn, KVA, Amps).

NEW PANEL LD1C SCHEDULE. Table with columns for Ckt No., Load Description, Cond, Wire Size, BKR, WIRE SIZE, COND, SURFACE MOUNTED. Includes sub-tables for Load Description and Totals (Conn, KVA, Amps).

EXISTING PANEL LD1D SCHEDULE. Table with columns for Ckt No., Load Description, Cond, Wire Size, BKR, WIRE SIZE, COND, SURFACE MOUNTED. Includes sub-tables for Load Description and Totals (Conn, KVA, Amps).

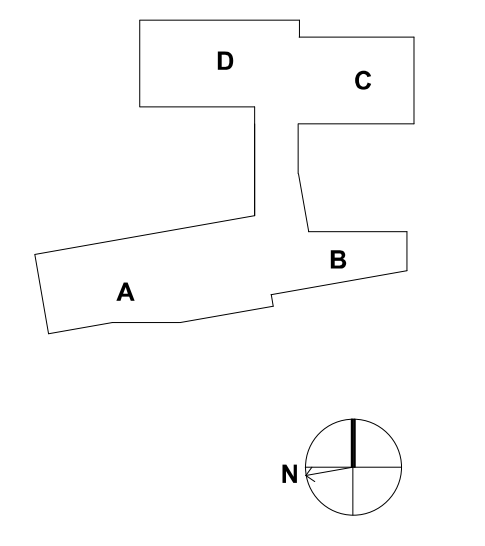
NEW PANEL HC1A SCHEDULE. Table with columns for Ckt No., Load Description, Cond, Wire Size, BKR, WIRE SIZE, COND, SURFACE MOUNTED. Includes sub-tables for Load Description and Totals (Conn, KVA, Amps).

NEW PANEL LC1A SCHEDULE. Table with columns for Ckt No., Load Description, Cond, Wire Size, BKR, WIRE SIZE, COND, SURFACE MOUNTED. Includes sub-tables for Load Description and Totals (Conn, KVA, Amps).

NEW PANEL LC1B SCHEDULE. Table with columns for Ckt No., Load Description, Cond, Wire Size, BKR, WIRE SIZE, COND, SURFACE MOUNTED. Includes sub-tables for Load Description and Totals (Conn, KVA, Amps).

NEW PANEL HD2A SCHEDULE. Table with columns for Ckt No., Load Description, Cond, Wire Size, BKR, WIRE SIZE, COND, SURFACE MOUNTED. Includes sub-tables for Load Description and Totals (Conn, KVA, Amps).

NEW PANEL LD2A SCHEDULE. Table with columns for Ckt No., Load Description, Cond, Wire Size, BKR, WIRE SIZE, COND, SURFACE MOUNTED. Includes sub-tables for Load Description and Totals (Conn, KVA, Amps).



NEW PANEL LD2B SCHEDULE

Table with columns: DKT. NO., LOAD DESCRIPTION, COND. SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, KVA, AMPS, BKR TRIP, WIRE SIZE, COND. SIZE, LOAD DESCRIPTION, DKT. NO. Includes sub-feed and feed-thru data.

NEW PANEL HC2A SCHEDULE

Table with columns: DKT. NO., LOAD DESCRIPTION, COND. SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, KVA, AMPS, BKR TRIP, WIRE SIZE, COND. SIZE, LOAD DESCRIPTION, DKT. NO. Includes sub-feed and feed-thru data.

NEW PANEL LC2A SCHEDULE

Table with columns: DKT. NO., LOAD DESCRIPTION, COND. SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, KVA, AMPS, BKR TRIP, WIRE SIZE, COND. SIZE, LOAD DESCRIPTION, DKT. NO. Includes sub-feed and feed-thru data.

NEW PANEL LC2B SCHEDULE

Table with columns: DKT. NO., LOAD DESCRIPTION, COND. SIZE, WIRE SIZE, BKR TRIP, AMPS, KVA, PH, KVA, AMPS, BKR TRIP, WIRE SIZE, COND. SIZE, LOAD DESCRIPTION, DKT. NO. Includes sub-feed and feed-thru data.

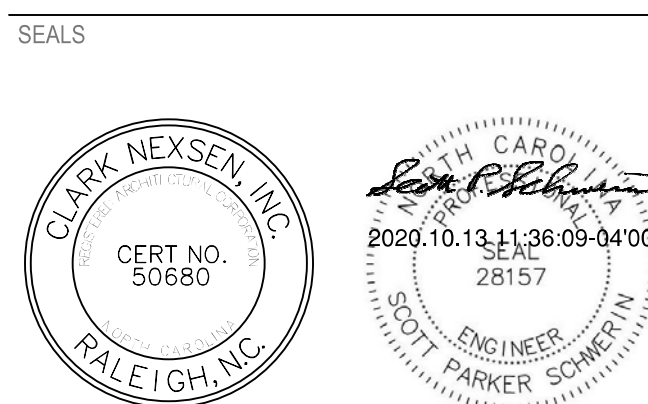
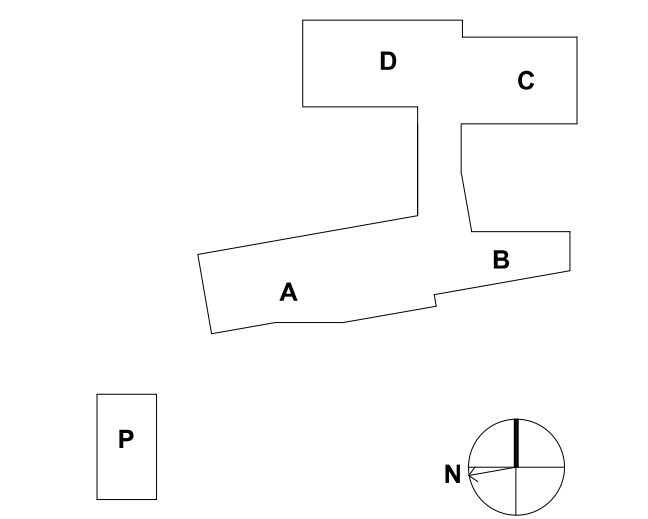
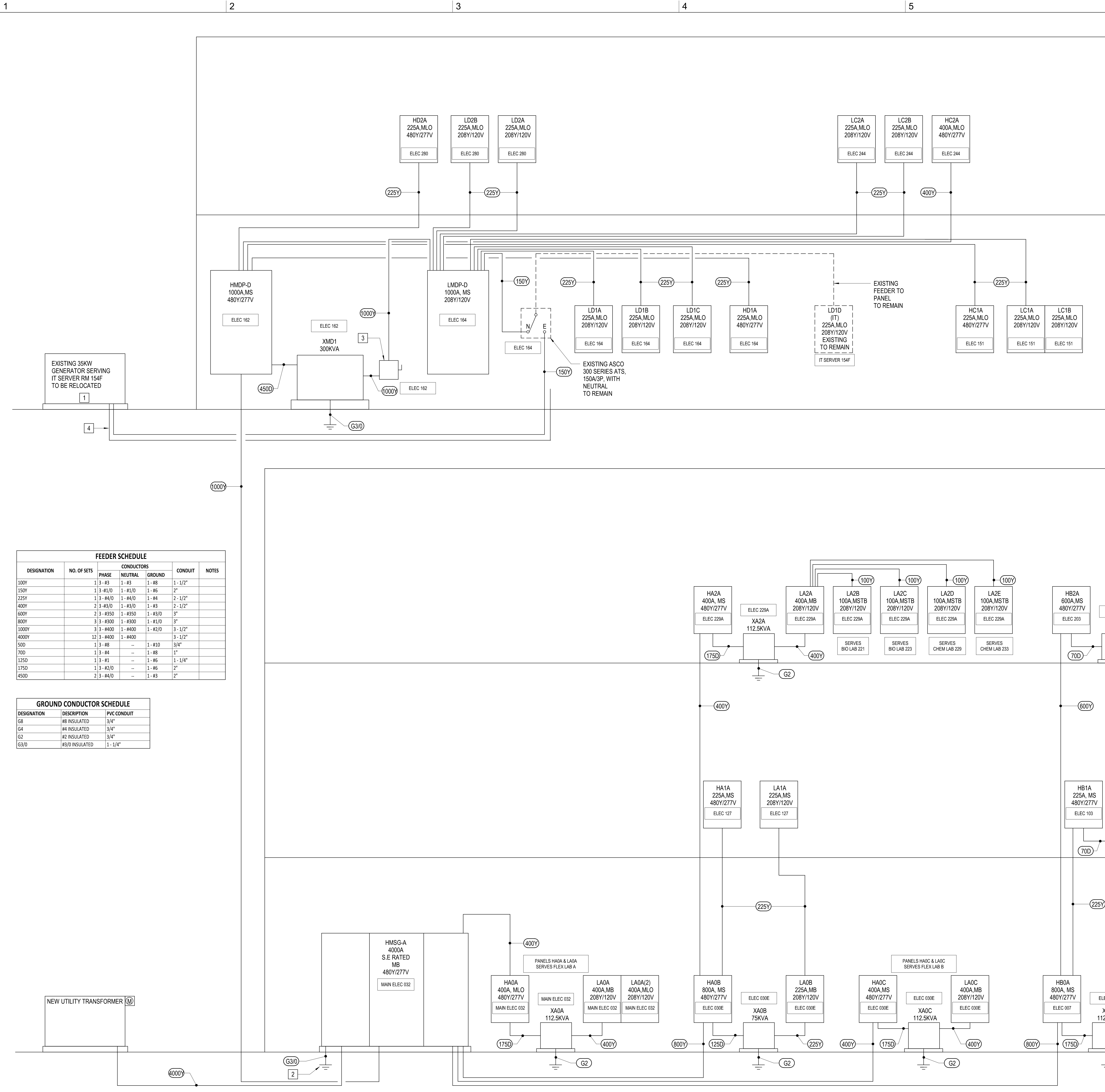


Table with columns: REVISIONS, Description, Date, By, Appr.



EP605



- # KEY NOTES**
- 1 PROVIDE TWO ELECTRICAL CIRCUITS FOR GENERATOR BLOCK HEATER AND BATTERY CHARGER FROM LD1B. SEE PANEL SCHEDULES FOR CIRCUIT NUMBERS.
 - 2 SEE DETAIL 1 ON EP502.
 - 3 1000A/3P ENCLOSED CIRCUIT BREAKER.
 - 4 PROVIDE (1) 1" CONDUIT FROM GENERATOR TO ELEC 164 BELOW AND ADJACENT ATS FOR GENERATOR ANNUNCIATOR PANEL CONNECTION.

FEEDER SCHEDULE

DESIGNATION	NO. OF SETS	CONDUCTORS			CONDUIT	NOTES
		PHASE	NEUTRAL	GROUND		
100Y	1	3 - #3	1 - #3	1 - #8	1 - 1/2"	
150Y	1	3 - #1/0	1 - #1/0	1 - #6	2"	
225Y	1	3 - #4/0	1 - #4/0	1 - #4	2 - 1/2"	
400Y	2	3 - #3/0	1 - #3/0	1 - #3	2 - 1/2"	
600Y	2	3 - #350	1 - #350	1 - #3/0	3"	
800Y	3	3 - #300	1 - #300	1 - #1/0	3"	
1000Y	3	3 - #400	1 - #400	1 - #2/0	3 - 1/2"	
4000Y	12	3 - #400	1 - #400	1 - #2/0	3 - 1/2"	
500	1	3 - #8	--	1 - #10	3/4"	
700	1	3 - #4	--	1 - #8	1"	
1250	1	3 - #1	--	1 - #6	1 - 1/4"	
1750	1	3 - #2/0	--	1 - #6	2"	
4500	2	3 - #4/0	--	1 - #3	2"	

GROUND CONDUCTOR SCHEDULE

DESIGNATION	DESCRIPTION	PVC CONDUIT
G8	#8 INSULATED	3/4"
G4	#4 INSULATED	3/4"
G2	#2 INSULATED	3/4"
G3/0	#3/0 INSULATED	1 - 1/4"

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 FLAT ROCK, NC 28731

BlueRidge
 COMMUNITY COLLEGE

DESIGNER
CLARK NEXSEN

301 College Street, Suite 300
 Asheville, North Carolina 28801
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 www.clarknexsen.com

SEALS

CLARK NEXSEN, INC.
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 28157
 ENGINEER
 PAUL F. SCHWAB

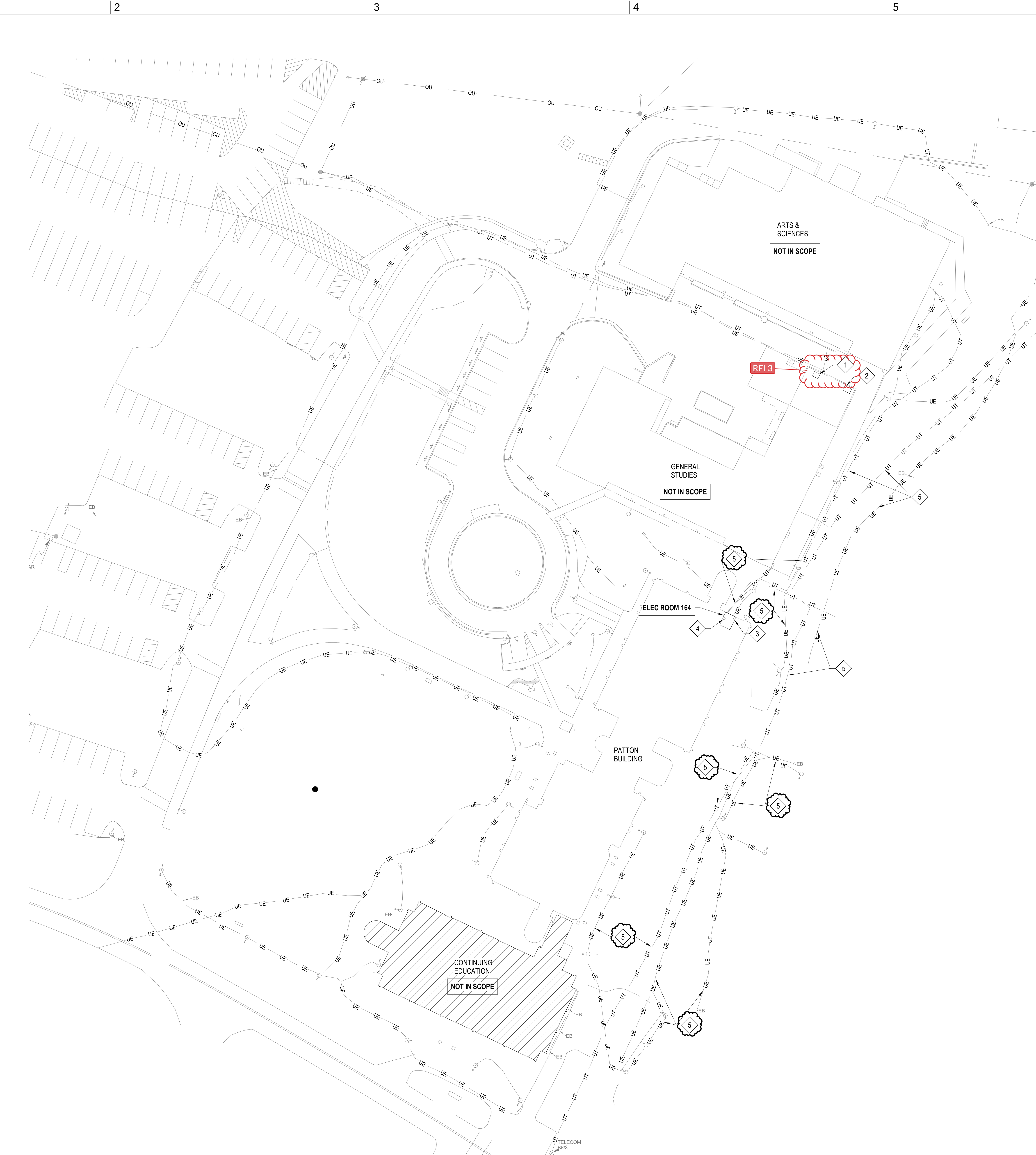
SUBMITTAL
 10/19/20
CONSTRUCTION DOCUMENTS

REVISIONS

DESIGN: MRB
 DRAWN: SJB
 REVIEW: SPS

CN 5199-L

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1 DEMOLITION ELECTRICAL SITE PLAN
1" = 30'-0"

GENERAL NOTES

A. SURVEY AND SITE INFORMATION PROVIDED BY OTHERS. CONTRACTOR SHALL VERIFY ALL CONDITIONS ON SITE AND WITH OFFICIAL SURVEYS AND ALL OTHER TRADES PRIOR TO ANY WORK BEING DONE.

B. CALL UNDERGROUND UTILITY CENTER TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO ANY WORK BEING DONE.

C. CONTRACTOR TO COORDINATE WITH ALL SERVING UTILITY COMPANIES AND BRCC FOR EXACT LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO ANY WORK BEING DONE.

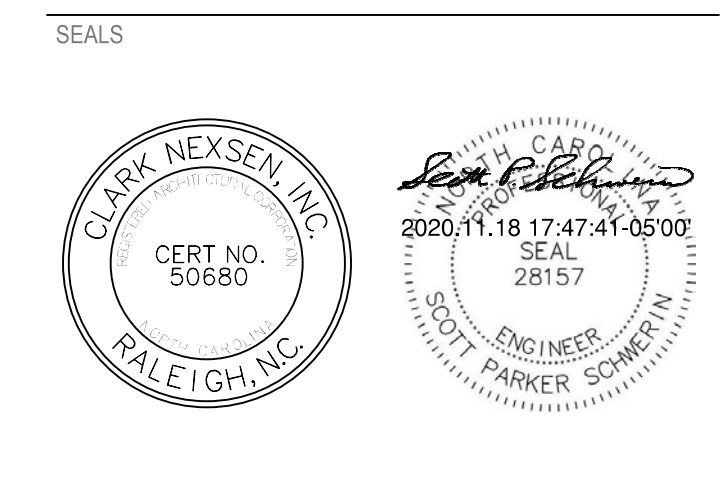
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INTERIOR RENOVATION
AND ADDITION**
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FLAT ROCK, NC 28731

DESIGNER

CLARK NEXSEN

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Asheville, North Carolina 28801
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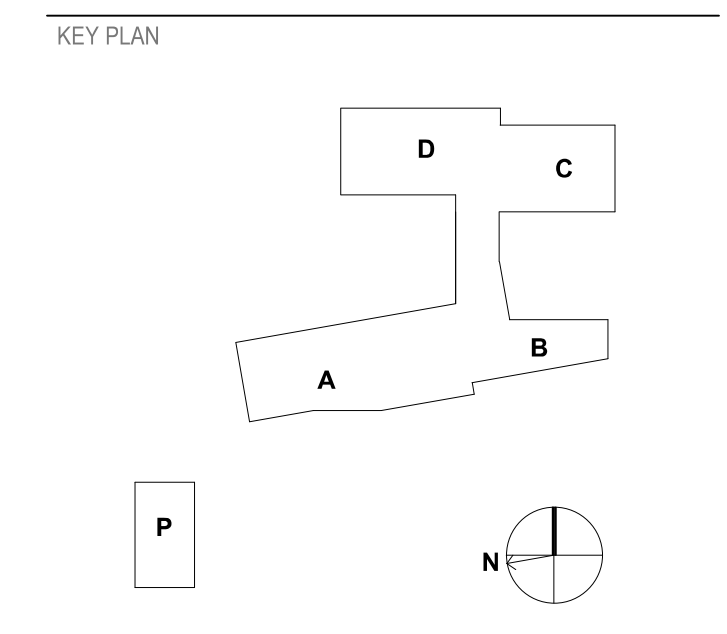
- DEMO KEY NOTES**
- EXISTING DUKE POWER UTILITY TRANSFORMER TO BE DEMOLISHED. CONTRACTOR TO COORDINATE REMOVAL WITH DUKE POWER.
 - EXISTING 35KW EMERGENCY GENERATOR TO BE RELOCATED. SEE SHEET ES102 FOR NEW LOCATION.
 - APPROXIMATE LOCATION OF EXISTING MAIN DISTRIBUTION PANEL MSP-A IN ELECTRICAL ROOM.
 - EXISTING METAL FLOOR BOX WITH EXISTING AT&F FIBER AND TELEPHONE ENTRANCE IN ELECTRICAL ROOM TO REMAIN.
 - SEE EXISTING UTILITIES CIVIL DRAWING FOR ALL UNDERGROUND POWER, TELEPHONE AND FIBER TO REMAIN IN THIS AREA.



SUBMITTAL
10/19/20
CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DATE	DESCRIPTION
1	11/20/20	ADDENDUM 1

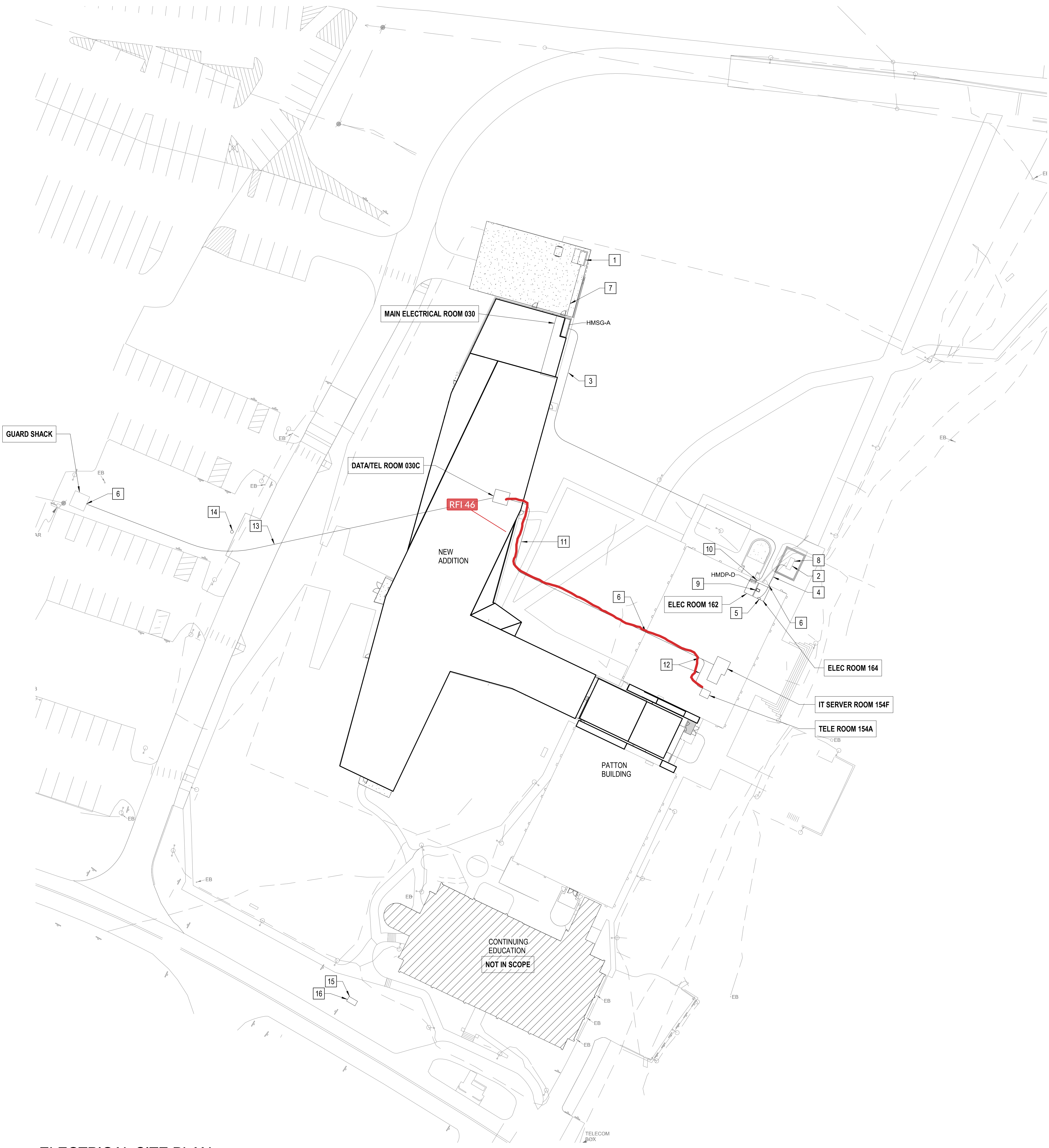


SHEET
DEMOLITION ELECTRICAL SITE PLAN

ES101

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L



1 ELECTRICAL SITE PLAN
1" = 30'-0"

6 GENERAL NOTES

- A. SURVEY AND SITE INFORMATION PROVIDED BY OTHERS. CONTRACTOR SHALL VERIFY ALL CONDITIONS ON SITE AND WITH OFFICIAL SURVEYS AND ALL OTHER TRADES PRIOR TO ANY WORK BEING DONE.
- B. CALL UNDERGROUND UTILITY CENTER TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO ANY WORK BEING DONE.
- C. CONTRACTOR TO COORDINATE WITH ALL SERVING UTILITY COMPANIES AND BRCC FOR EXACT LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO ANY WORK BEING DONE.

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FLAT ROCK, NC 28731

DESIGNER

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828-232-0008
www.clarknexsen.com

KEY NOTES

- 1 APPROXIMATE LOCATION OF NEW UTILITY CO.'S PAD MOUNTED TRANSFORMER. COORDINATE PRECISE LOCATION WITH UTILITY. CONTRACTOR TO PROVIDE CONCRETE PAD PER UTILITY COMPANY'S REQUIREMENTS AT A MINIMUM DISTANCE OF 15FT FROM THE BUILDING.
- 2 EXISTING RELOCATED 35KW EMERGENCY GENERATOR.
- 3 PROVIDE UNDERGROUND FEEDER AS DETAILED ON EP701 FROM HMSG-A TO HMDP-D.
- 4 PROVIDE UNDERGROUND FEEDER AS DETAILED ON EP701 FROM EXISTING RELOCATED GENERATOR TO EXISTING ATS.
- 5 EXISTING ATS IN ELECTRICAL ROOM 164
- 6 TURN CONDUIT(S) UP OUTSIDE BUILDING AND ROUTE UP THE SIDE OF EXTERIOR WALL PENETRATING WALL ABOVE ACCESSIBLE CEILING.
- 7 PROVIDE UNDERGROUND FEEDER AS DETAILED ON EP701 FROM NEW UTILITY TRANSFORMER TO HMSG-A.
- 8 PROVIDE (6) 3/4" DIAMETER X 10'-0" COPPER CLAD GROUND RODS ON EXTERIOR OF GENERATOR ENCLOSURE UNDER SLAB. GROUND ROD SPACING SHALL NOT EXCEED 10'-0". CONNECTIONS AT RODS AND FROM GROUND RING SHALL BE EXOTHERMIC WELDED. PROVIDE A COPPER 1/0 GROUNDING CONDUCTOR TO CONNECT NEW GENERATOR TO GROUND RODS. SEE GENERATOR PAD DETAIL ON EP501.
- 9 EXISTING FLOOR MOUNTED METAL ACCESS BOX FOR AT&T COPPER AND FIBER SERVICE ENTRANCES.
- 10 TURN CONDUITS UP OUTSIDE BUILDING AND ROUTE UP THE SIDE OF EXTERIOR WALL PENETRATING WALL AT A LEVEL SO THAT THE CONDUITS STUB DIRECTLY INTO THE BACK OF HMDP-D.
- 11 (4) 4" CONDUITS FOR FIBER AND COPPER CONNECTIONS. SEE KEYED NOTES 1 AND 2 ON SHEET E7701 FOR MORE INFORMATION.
- 12 TURN (4) 4" CONDUITS DOWN AT CABLE TRAY IN HALL.
- 13 ROUTE (1) 3" CONDUIT FROM TELEPHONE BACKBOARD IN DATA/TEL 030C TO EXISTING GUARD SHACK.
- 14 PROVIDE 20A/1P, 120 VOLT CIRCUIT TO FLAG POLE LIGHT FROM EXISTING GUARD SHACK PANEL. PROVIDE NEW BREAKER TO MATCH EXISTING TYPE. COORDINATE EXACT LOCATION OF FLAG POLE WITH ARCHITECTURAL. CONTRACTOR TO PROVIDE A PHOTOCELL ON THE GUARD SHACK FACING DUE NORTH TO CONTROL THE FLAG POLE LIGHT.
- 15 PROVIDE (1) GFCI RECEPTACLE WITH WEATHER PROOF COVER NEAR TOP OF HOT BOX. POWER VIA PANEL L80A CIRCUIT 32 IN WING B. ROUTE 2#8, #10G, 1" CONDUIT FROM PANEL AND TRANSITION TO #10 AWG AT RECEPTACLE. LABEL WITH CIRCUIT NUMBER AND BUILDING SERVING.
- 16 PROVIDE 25A/1P CIRCUIT FROM PANEL L80A CIRCUIT 34 IN WING B TO POWER HOT BOX HEATER. PROVIDE MOTOR RATED SWITCH IN WEATER PROOF COVER NEAR TOP OF BOX FOR DISCONNECT MEANS. ROUTE 2#8, #10G, 1" CONDUIT FROM PANEL AND TRANSITION TO #10 AWG AT MOTOR RATED SWITCH. LABEL WITH CIRCUIT NUMBER AND BUILDING SERVING.

RFI 46

RFI 46

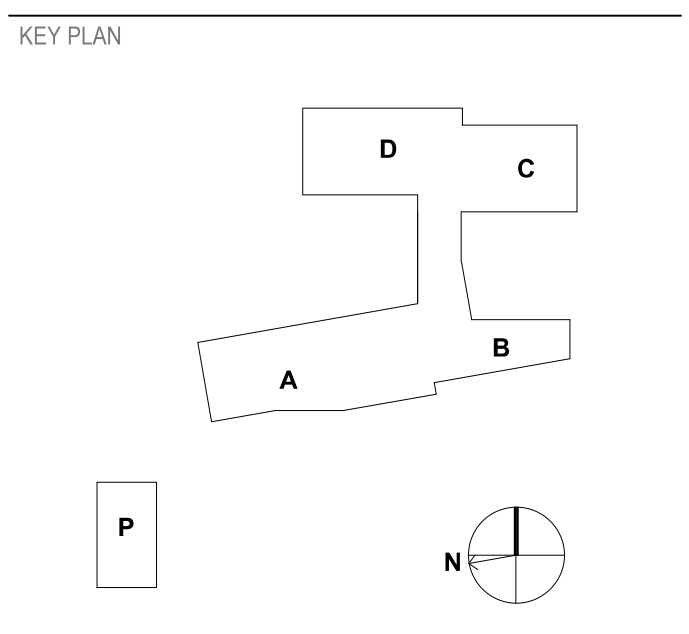
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10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS

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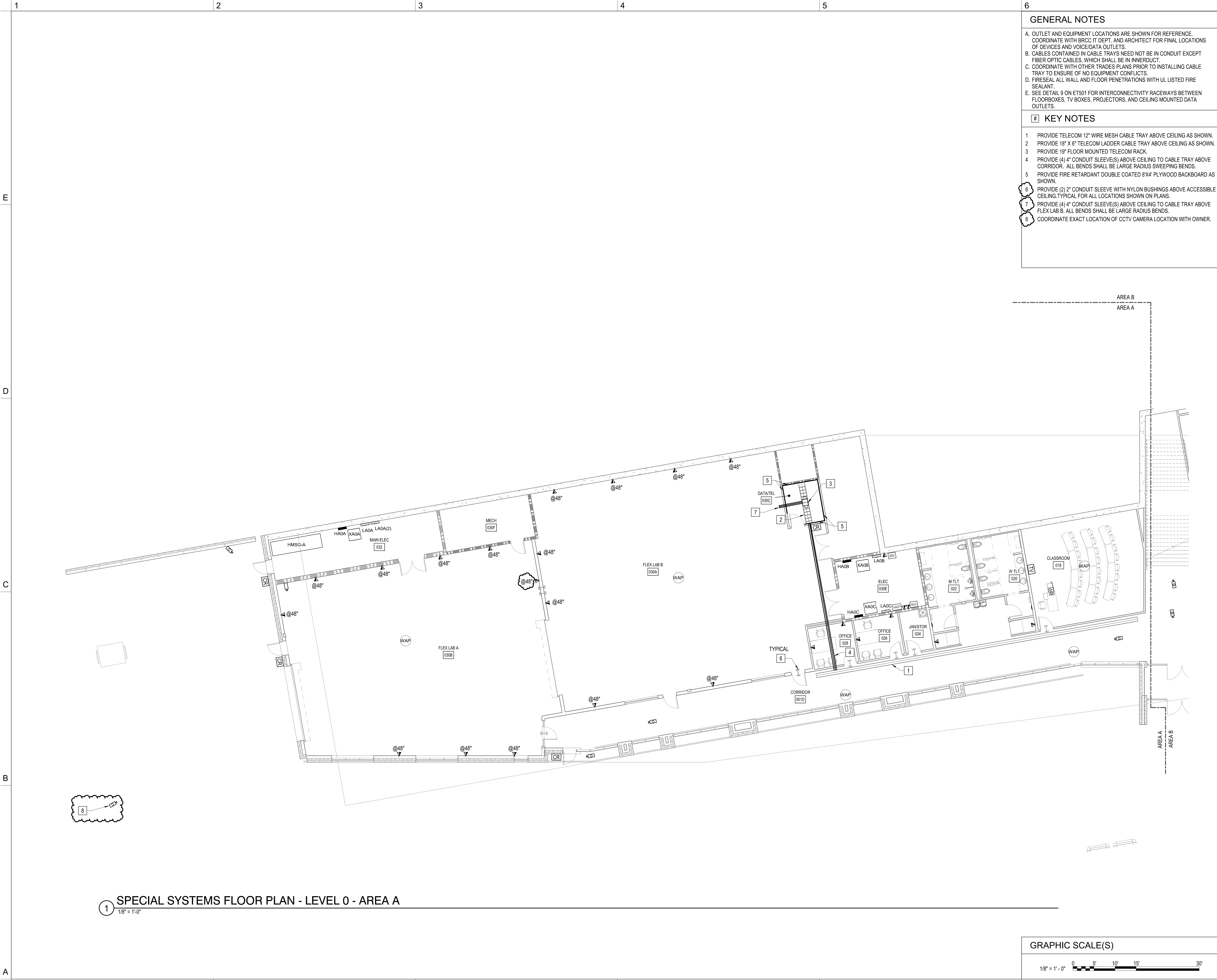
SHEET
ELECTRICAL SITE PLAN

ES102

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L

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- GENERAL NOTES**
- OUTLET AND EQUIPMENT LOCATIONS ARE SHOWN FOR REFERENCE. COORDINATE WITH BRCC IT DEPT. AND ARCHITECT FOR FINAL LOCATIONS OF DEVICES AND VOICE/DATA OUTLETS.
 - CABLES CONTAINED IN CABLE TRAYS NEED NOT BE IN CONDUIT EXCEPT FIBER OPTIC CABLES, WHICH SHALL BE IN INNERDUCT.
 - COORDINATE WITH OTHER TRADES PLANS PRIOR TO INSTALLING CABLE TRAY TO ENSURE OF NO EQUIPMENT CONFLICTS.
 - FIRESEAL ALL WALL AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.
 - SEE DETAIL 9 ON ET501 FOR INTERCONNECTIVITY RACEWAYS BETWEEN FLOORBOXES, TV BOXES, PROJECTORS, AND CEILING MOUNTED DATA OUTLETS.
- KEY NOTES**
- PROVIDE TELECOM 12" WIRE MESH CABLE TRAY ABOVE CEILING AS SHOWN.
 - PROVIDE 18" X 6" TELECOM LADDER CABLE TRAY ABOVE CEILING AS SHOWN.
 - PROVIDE 19" FLOOR MOUNTED TELECOM RACK.
 - PROVIDE (4) 4" CONDUIT SLEEVE(S) ABOVE CEILING TO CABLE TRAY ABOVE CORRIDOR. ALL BENDS SHALL BE LARGE RADIUS SWEEPING BENDS.
 - PROVIDE FIRE RETARDANT DOUBLE COATED 8'X4' PLYWOOD BACKBOARD AS SHOWN.
 - PROVIDE (2) 2" CONDUIT SLEEVE WITH NYLON BUSHINGS ABOVE ACCESSIBLE CEILING. TYPICAL FOR ALL LOCATIONS SHOWN ON PLANS.
 - PROVIDE (4) 4" CONDUIT SLEEVE(S) ABOVE CEILING TO CABLE TRAY ABOVE FLEX LAB B. ALL BENDS SHALL BE LARGE RADIUS BENDS.
 - COORDINATE EXACT LOCATION OF CCTV CAMERA LOCATION WITH OWNER.

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DESIGNER

CLARK NEXSEN

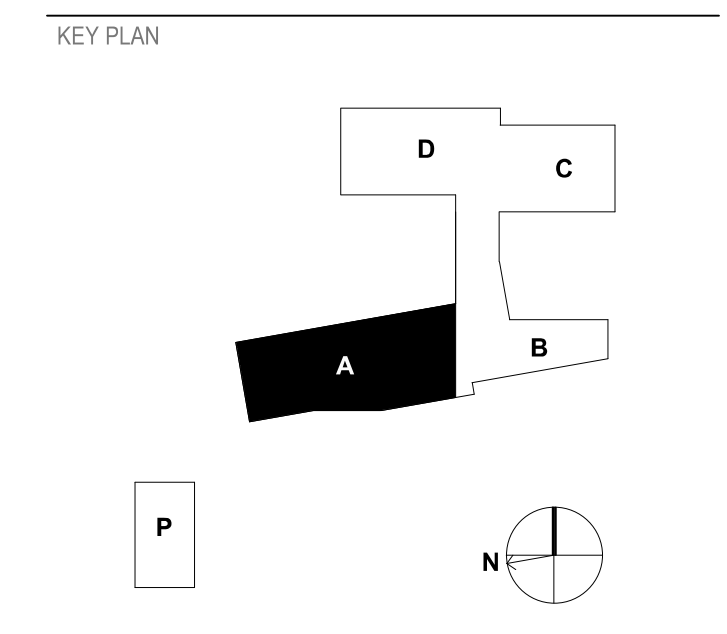
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SEALS

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10/19/20
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REVISIONS

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1	11/20/20	ADDENDUM 1



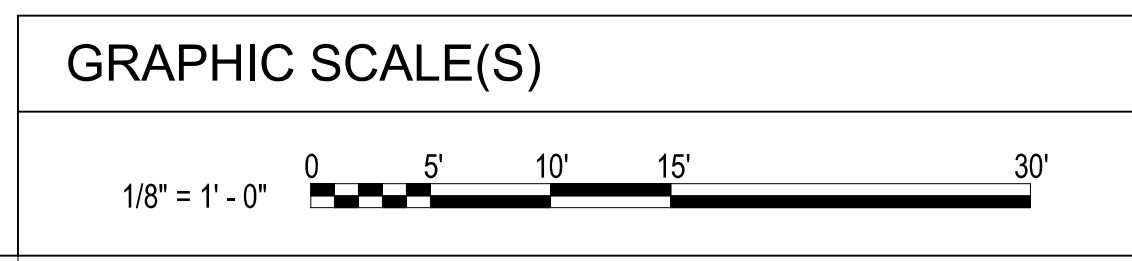
SHEET
**SPECIAL SYSTEMS FLOOR
PLAN - LEVEL 0 - AREA A**

ET101

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L

1 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 0 - AREA A
1/8" = 1'-0"



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GENERAL NOTES

- A. OUTLET AND EQUIPMENT LOCATIONS ARE SHOWN FOR REFERENCE. COORDINATE WITH BRCC IT DEPT. AND ARCHITECT FOR FINAL LOCATIONS OF DEVICES AND VOICE/DATA OUTLETS.
- B. CABLES CONTAINED IN CABLE TRAYS NEED NOT BE IN CONDUIT EXCEPT FIBER OPTIC CABLES, WHICH SHALL BE IN INNERDUCT.
- C. COORDINATE WITH OTHER TRADES PLANS PRIOR TO INSTALLING CABLE TRAY TO ENSURE OF NO EQUIPMENT CONFLICTS.
- D. FIRESEAL ALL WALL AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.
- E. SEE DETAIL 9 ON ET501 FOR INTERCONNECTIVITY RACEWAYS BETWEEN FLOORBOXES, TV BOXES, PROJECTORS, AND CEILING MOUNTED DATA OUTLETS.

HENDERSON COUNTY AND BLUE RIDGE
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DESIGNER

CLARK NEXSEN

301 College Street, Suite 300
Asheville, North Carolina 28801
828-232-0000
www.clarknexsen.com

KEY NOTES

- 1 PROVIDE TELECOM 12" WIRE MESH CABLE TRAY ABOVE CEILING AS SHOWN.
- 2 PROVIDE WALL MOUNTED TELECOM RACK PER SPECIFICATIONS.
- 3 PROVIDE (4) 4" CONDUIT SLEEVE(S) ABOVE CEILING TO CABLE TRAY ABOVE CORRIDOR. ALL BENDS SHALL BE LARGE RADIUS SWEEPING BENDS.
- 4 PROVIDE (2) 2" CONDUIT SLEEVE WITH NYLON BUSHINGS ABOVE ACCESSIBLE CEILING. TYPICAL FOR ALL LOCATIONS SHOWN ON PLANS.
- 5 ROUTE 1" CONDUIT FROM J-BOX TO TECHBOOTH 002A FOR SPEAKER INSTALLATION. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 6 ROUTE 1" CONDUIT FROM J-BOX IN CEILING TO TECHBOOTH 002A FOR CEILING MOUNTED SPEAKER CLUSTER INSTALLATION. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 7 PROVIDE 2" CONDUIT SLEEVE WITH NYLON BUSHINGS ABOVE ACCESSIBLE CEILING FOR FUTURE SOUND CABLING INSTALLATION. TYPICAL FOR ALL LOCATIONS SHOWN ON PLANS.
- 8 POWER, DATA, AND COMPUTER/ HDMI CONNECTIONS TO TELEVISION. COORDINATE MOUNTING HEIGHT WITH ARCHITECT/ OWNER. PROVIDE FSR-PWB-250 BOX OR APPROVED EQUAL. PROVIDE (1) 1 1/4" CONDUIT TO ABOVE CABLE TRAY FOR DATA AND (1) 1 1/4" CONDUIT TO TECH BOOTH 002A FOR COMPUTER/ HDMI CONNECTIONS. COORDINATE EXACT STUB UP LOCATIONS IN TECH BOOTH WITH ARCHITECT/ OWNER. COORDINATE EXACT FSR BOX INSERTS WITH OWNER.

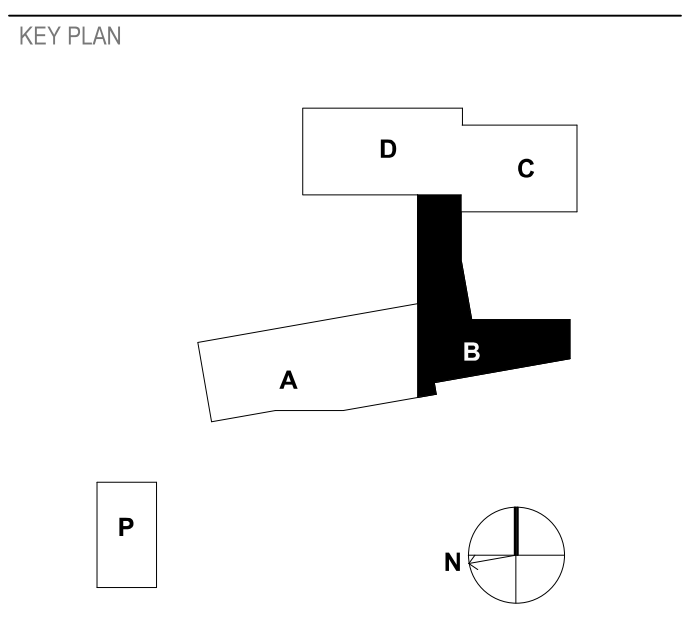
SEALS



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10/19/20
CONSTRUCTION DOCUMENTS

REVISIONS

1	11/20/20	ADDENDUM 1

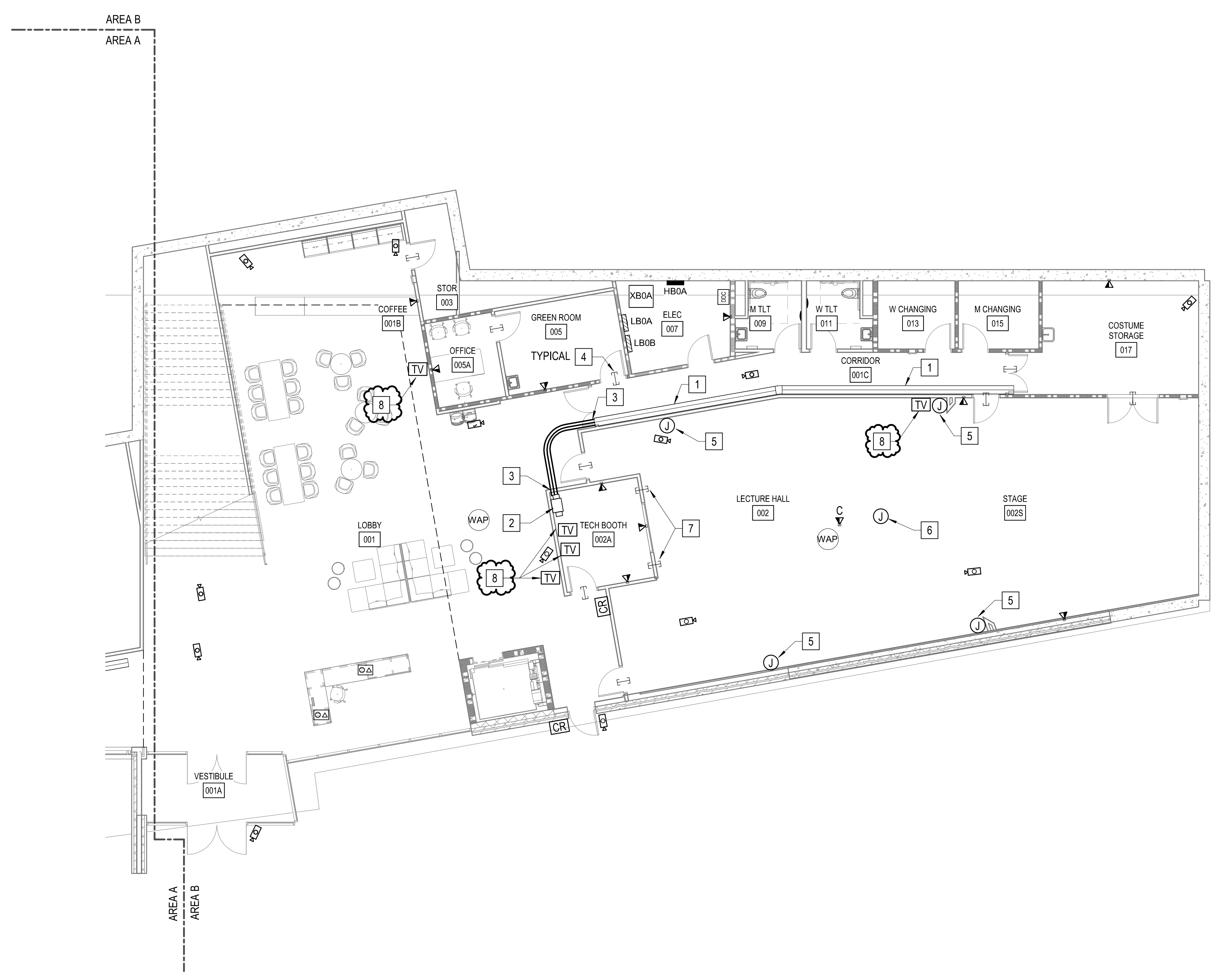


SHEET
SPECIAL SYSTEMS FLOOR PLAN - LEVEL 0 - AREA B

ET102

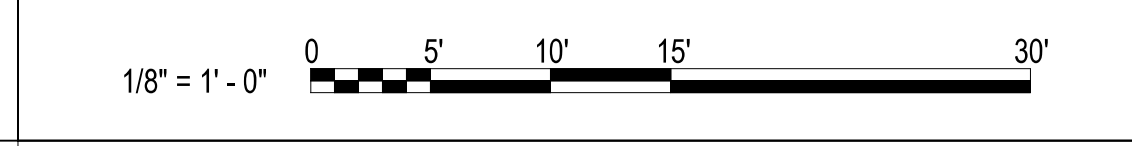
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DRAWN: SJB
REVIEW: SPS

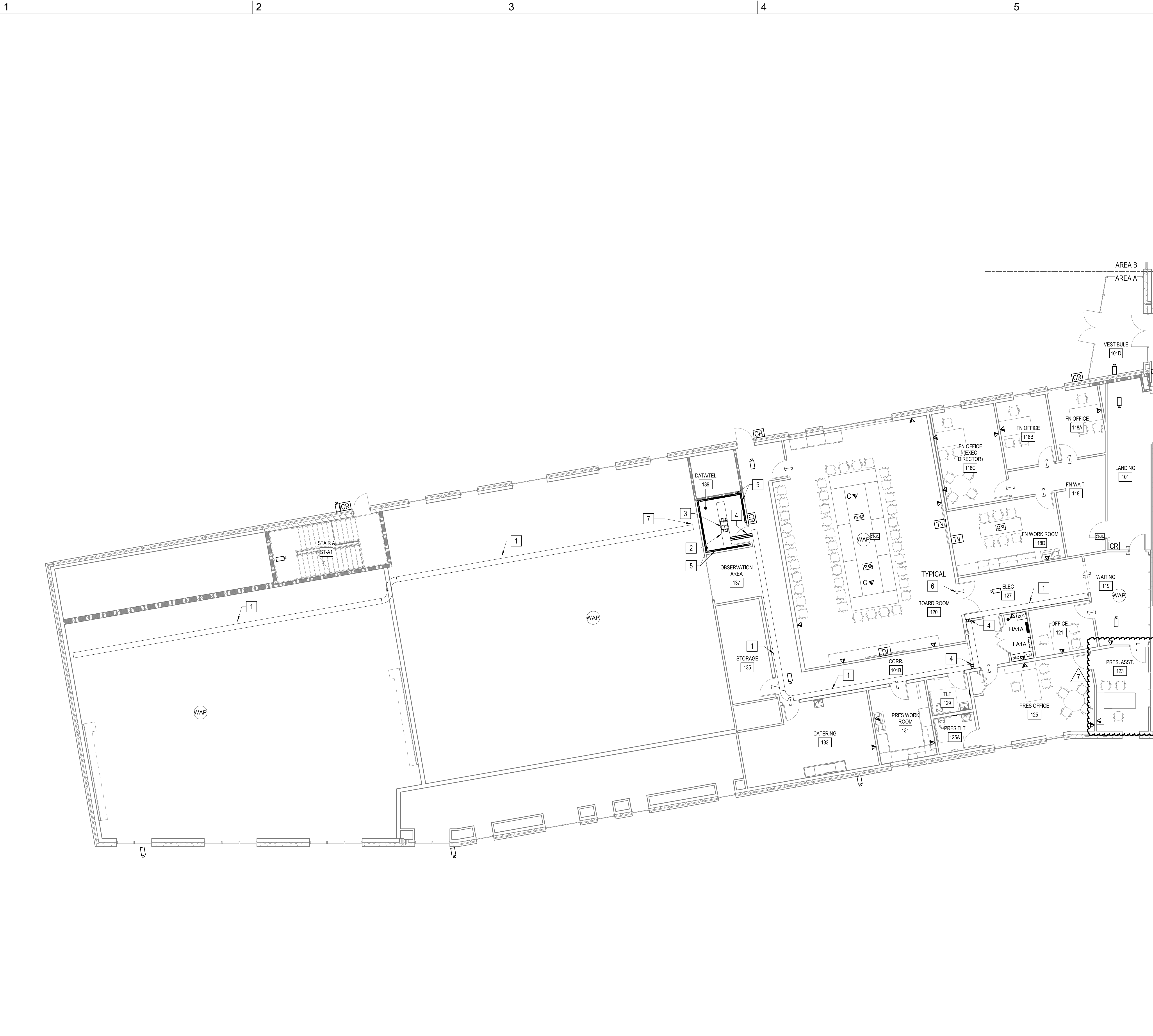
CN 5199-L



1 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 0 - AREA B
1/8" = 1'-0"

GRAPHIC SCALE(S)





1 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 1 - AREA A
1/8" = 1'-0"

6 GENERAL NOTES

- A. OUTLET AND EQUIPMENT LOCATIONS ARE SHOWN FOR REFERENCE. COORDINATE WITH BRCC IT DEPT. AND ARCHITECT FOR FINAL LOCATIONS OF DEVICES AND VOICE/DATA OUTLETS.
- B. CABLES CONTAINED IN CABLE TRAYS NEED NOT BE IN CONDUIT EXCEPT FIBER OPTIC CABLES, WHICH SHALL BE IN INNERDUCT.
- C. COORDINATE WITH OTHER TRADES PLANS PRIOR TO INSTALLING CABLE TRAY TO ENSURE OF NO EQUIPMENT CONFLICTS.
- D. FIRESEAL ALL WALL AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.
- E. SEE DETAIL 9 ON ET501 FOR INTERCONNECTIVITY RACEWAYS BETWEEN FLOORBOXES, TV BOXES, PROJECTORS, AND CEILING MOUNTED DATA OUTLETS.

KEY NOTES

- 1 PROVIDE TELECOM 12" WIRE MESH CABLE TRAY ABOVE CEILING AS SHOWN.
- 2 PROVIDE 18" X 6" TELECOM LADDER TRAY ABOVE CEILING AS SHOWN.
- 3 PROVIDE 19" FLOOR MOUNTED TELECOM RACK.
- 4 PROVIDE (4) 4" CONDUIT SLEEVE(S) ABOVE CEILING TO CABLE TRAY ABOVE CORRIDOR. ALL BENDS SHALL BE LARGE RADIUS SWEEPING BENDS.
- 5 PROVIDE FIRE RETARDANT DOUBLE COATED 8'X4' PLYWOOD BACKBOARD AS SHOWN.
- 6 PROVIDE (2) 2" CONDUIT SLEEVE WITH NYLON BUSHINGS ABOVE ACCESSIBLE CEILING. TYPICAL FOR ALL LOCATIONS SHOWN ON PLANS.
- 7 (4) 4" CONDUITS FROM DATA/ TEL 030C ROUTED TO CABLE TRAY AT THIS LOCATION. SEE KEY NOTE 7 ON SHEET ET101 FOR MORE INFORMATION.

HENDERSON COUNTY AND BLUE RIDGE
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INTERIOR RENOVATION
AND ADDITION**
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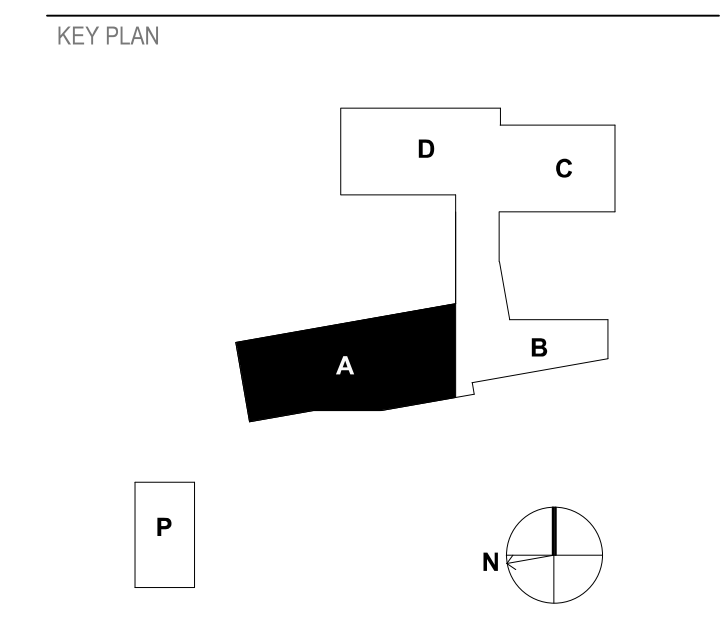
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SEALS

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10/19/20
CONSTRUCTION DOCUMENTS

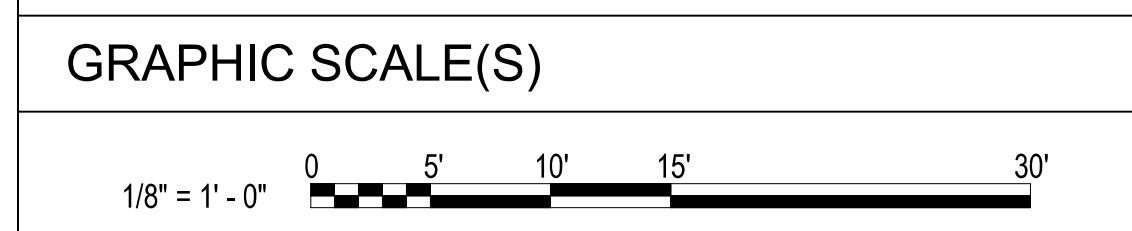
REVISIONS

NO.	DATE	DESCRIPTION
1	11/20/20	ADDENDUM 1
4	02/25/21	CONFORMED SET
7	05/12/21	Early Childhood



SHEET
**SPECIAL SYSTEMS FLOOR
PLAN - LEVEL 1 - AREA A**

ET103



DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L

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1 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 1 - AREA B

1/8" = 1'-0"

6 GENERAL NOTES

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- D. FIRESEAL ALL WALL AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.
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KEY NOTES

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AND ADDITION
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FLAT ROCK, NC 28731



DESIGNER

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SEALS



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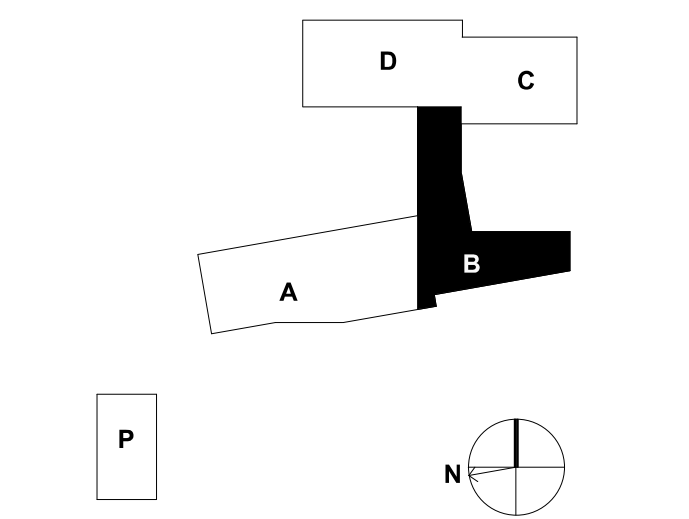
10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DATE	DESCRIPTION
1	11/20/20	ADDENDUM 1
4	02/25/21	CONFORMED SET
7	05/12/21	Early Childhood

KEY PLAN

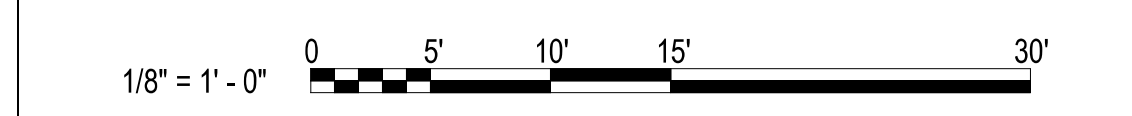


SHEET

SPECIAL SYSTEMS FLOOR
PLAN - LEVEL 1 - AREA B

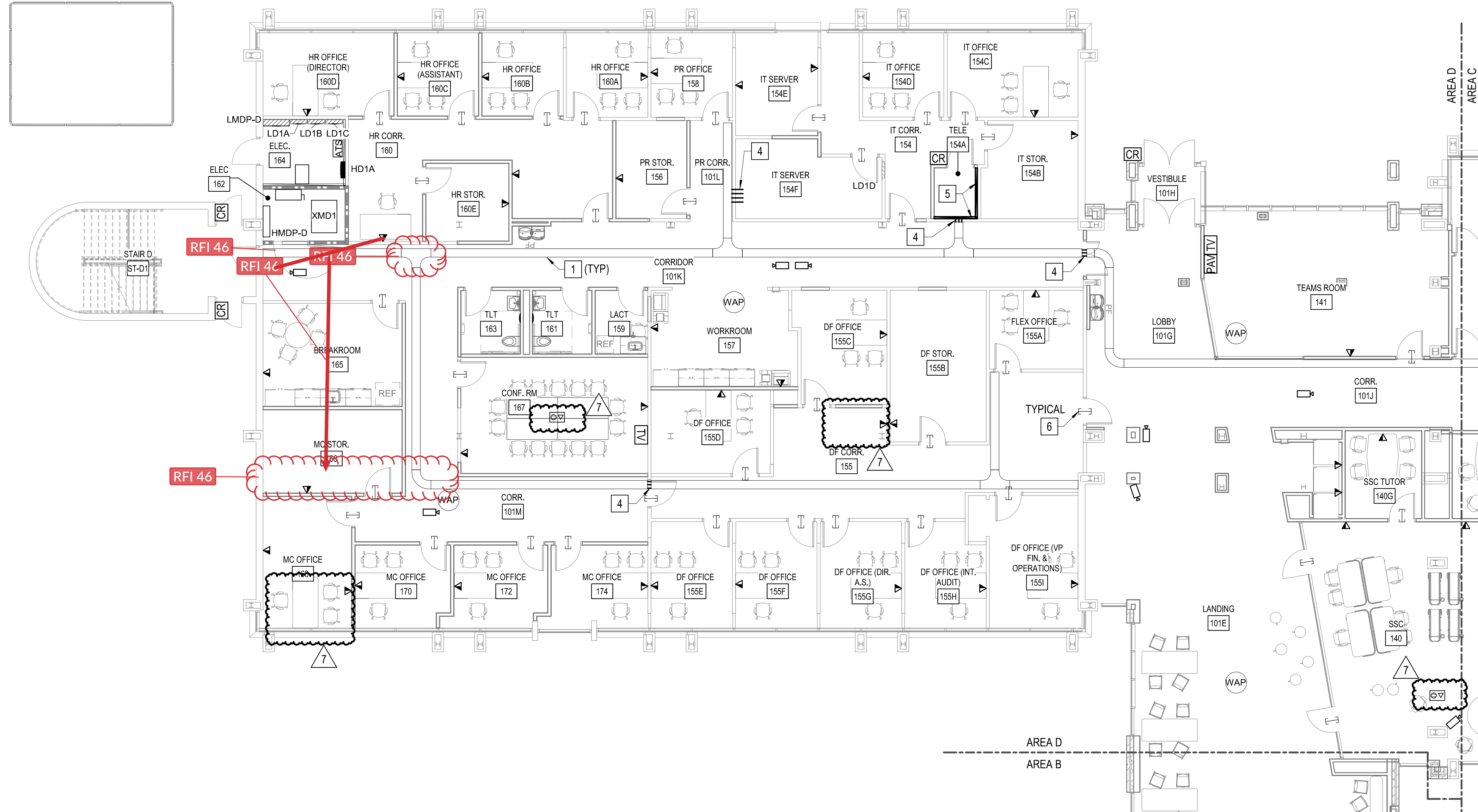
ET104

GRAPHIC SCALE(S)

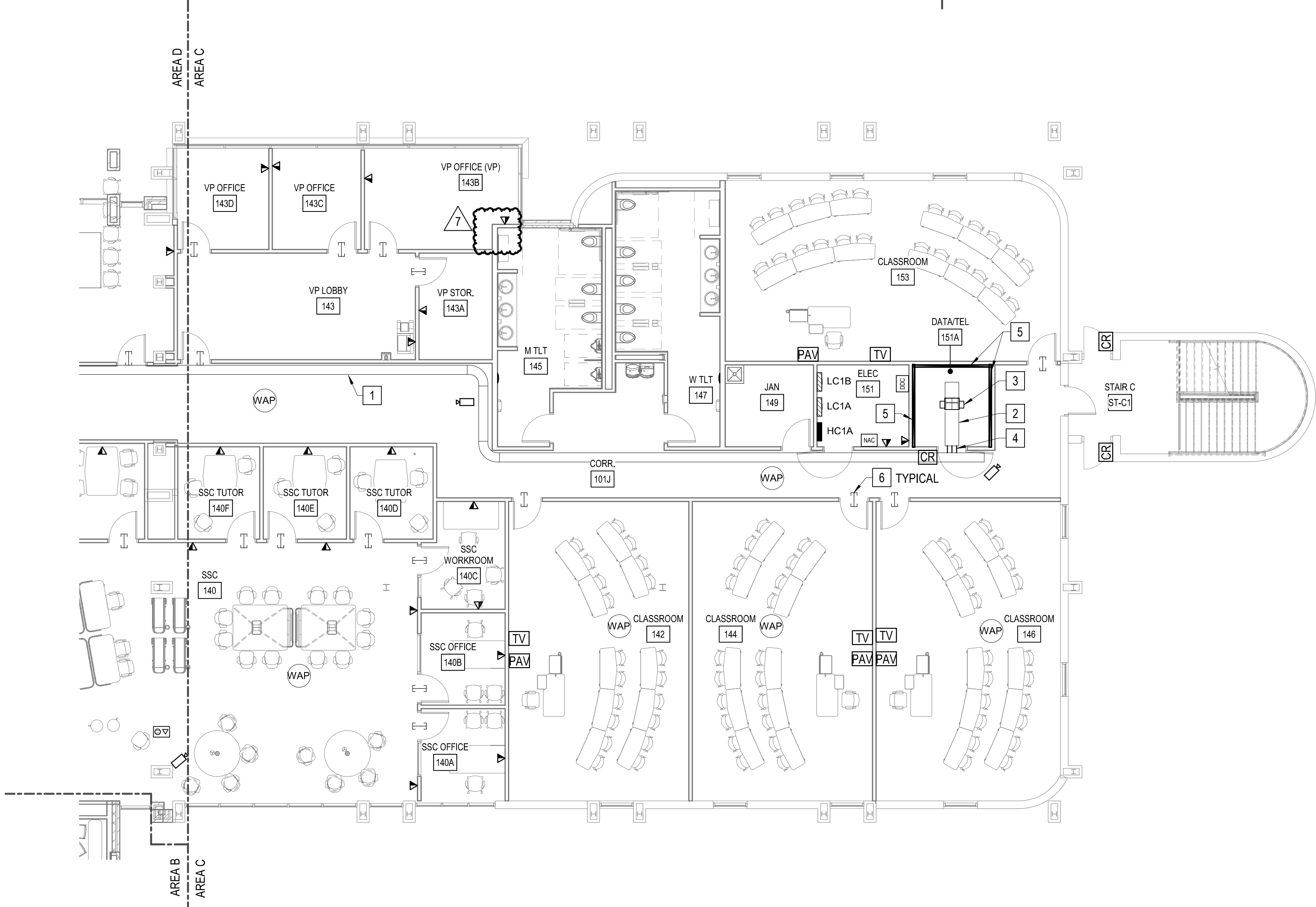


DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L



2 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 1 - AREA D
1/8" = 1'-0"



1 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 1 - AREA C
1/8" = 1'-0"

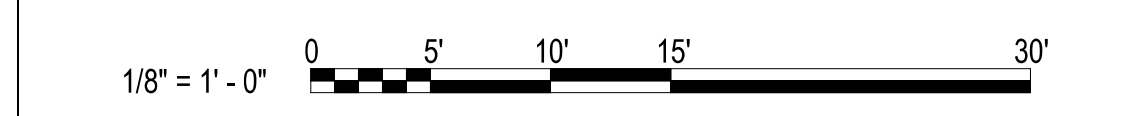
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GRAPHIC SCALE(S)



HENDERSON COUNTY AND BLUE RIDGE
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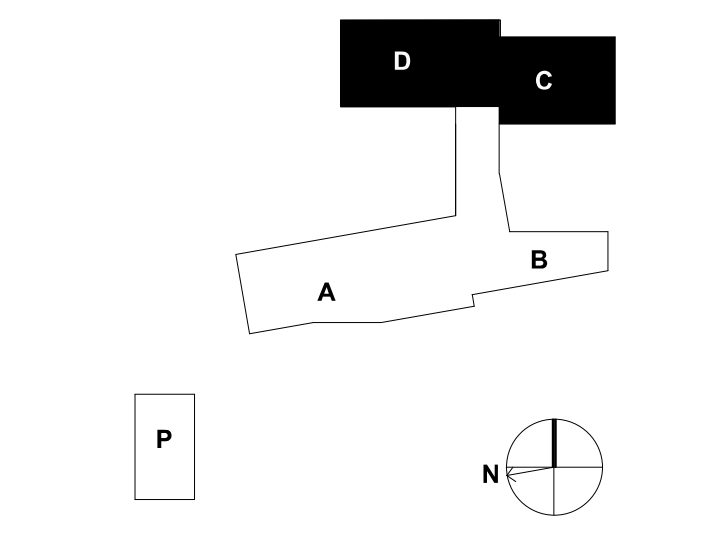
10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DATE	DESCRIPTION
1	11/20/20	ADDENDUM 1
7	05/12/21	Early Childhood

KEY PLAN



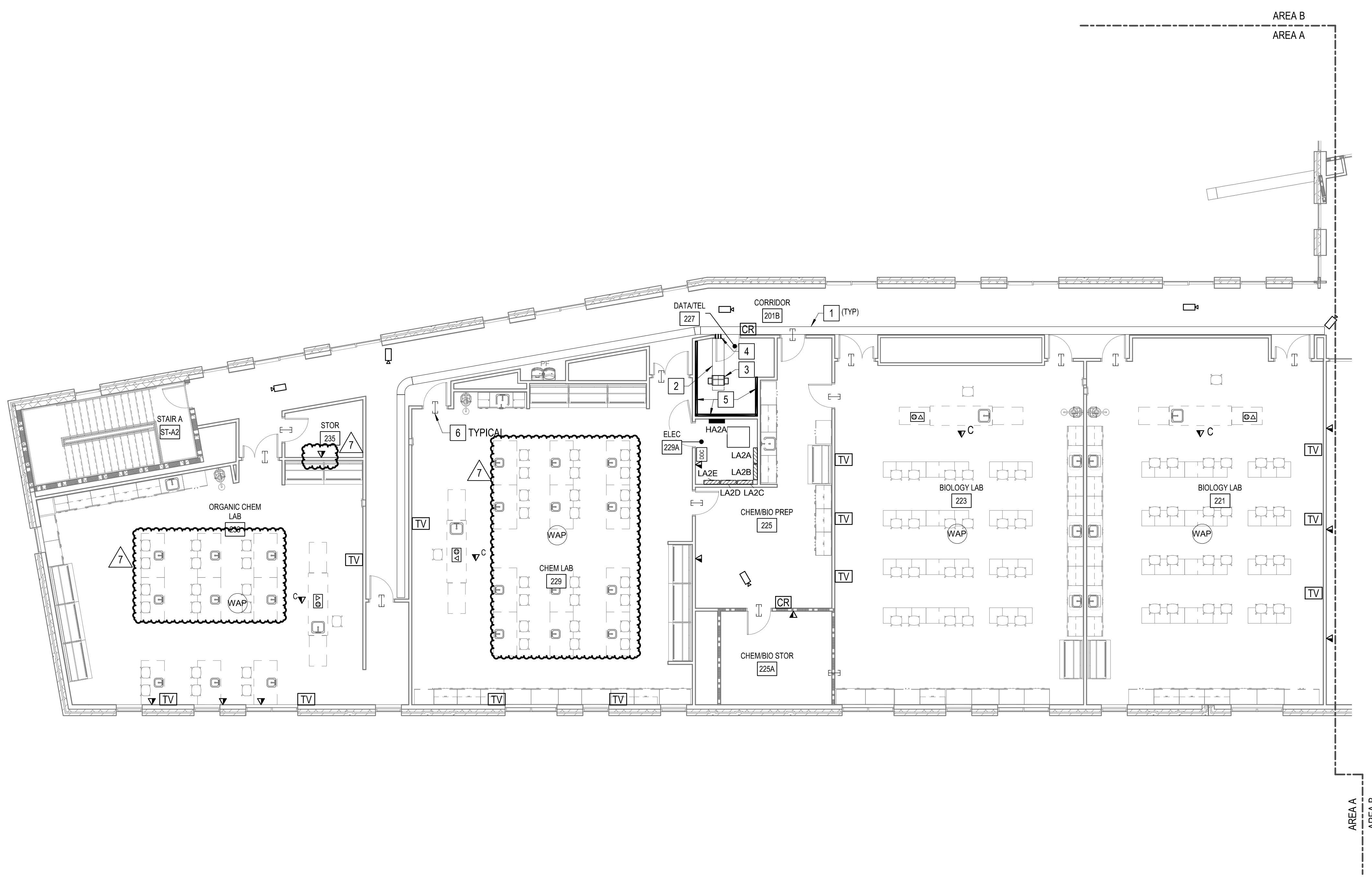
SHEET

SPECIAL SYSTEMS FLOOR
PLAN - LEVEL 1 - AREA C & D

ET105

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L



GENERAL NOTES

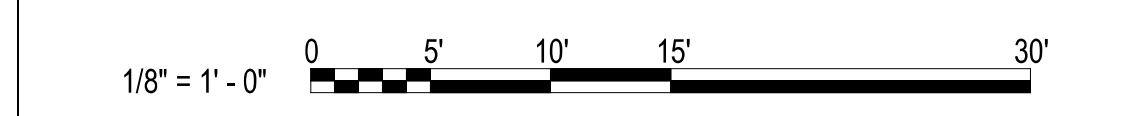
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1 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 2 - AREA A
1/8" = 1'-0"

GRAPHIC SCALE(S)



HENDERSON COUNTY AND BLUE RIDGE
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AND ADDITION**
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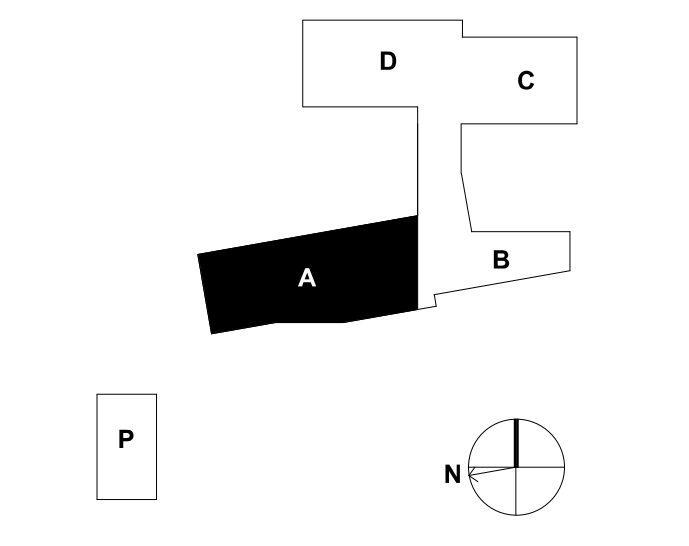
10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS

1	11/20/20	ADDENDUM 1
7	05/12/21	Early Childhood

KEY PLAN



SHEET

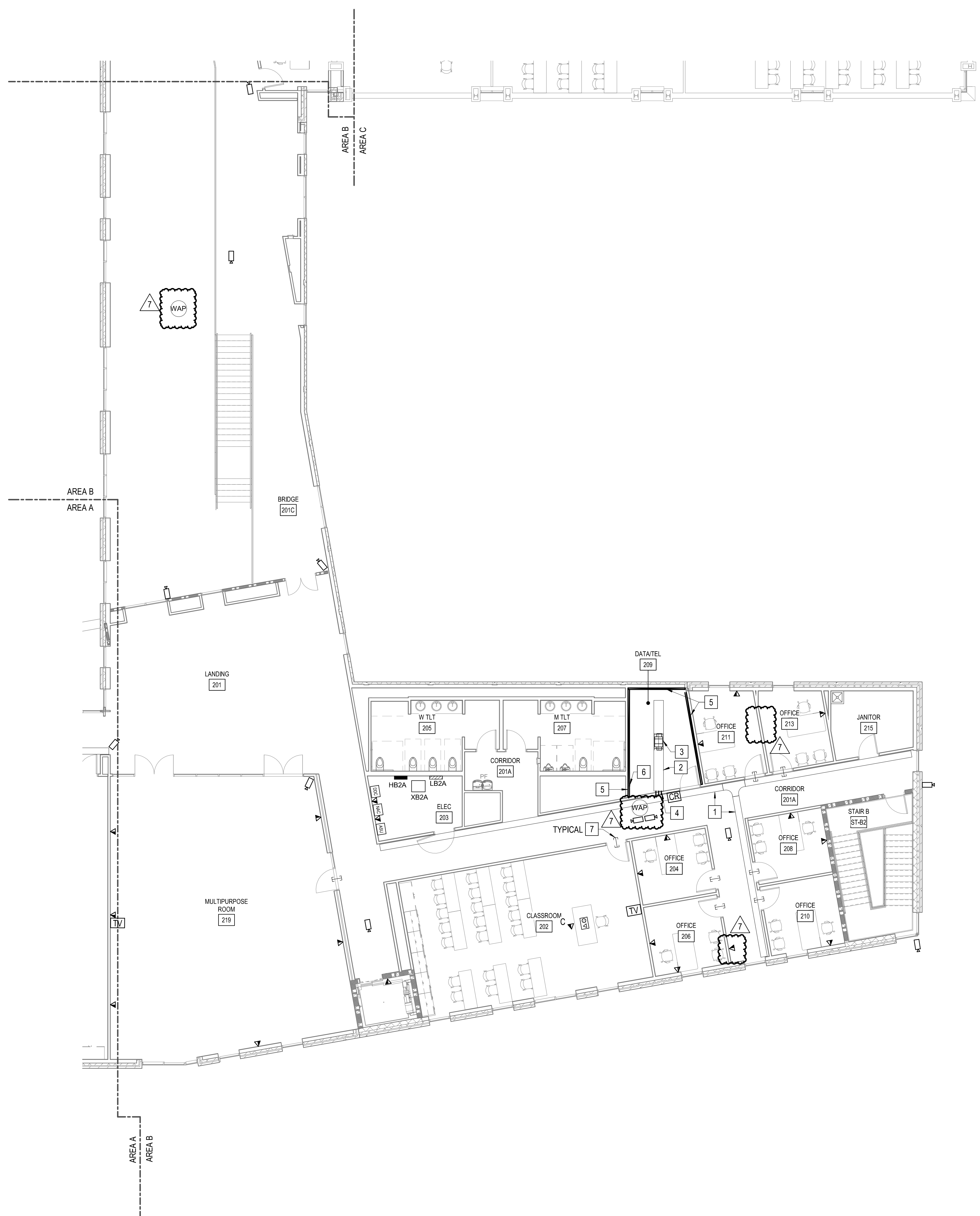
**SPECIAL SYSTEMS FLOOR
PLAN - LEVEL 2 - AREA A**

ET106

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L

1 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 2 - AREA B
1/8" = 1'-0"



6 GENERAL NOTES

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- E. CONTRACTOR TO PROVIDE AN IN-BUILDING RADIO SIGNAL AMPLIFICATION SYSTEM (IBEC) TO PROVIDE COMPLETE COVERAGE IN THE BUILDING FOR THE PUBLIC SAFETY AGENCIES AS REQUIRED BY THE LOCAL AHJ THAT MEETS THE CURRENT NFPA 72, IFC 510.2 AND ALL LOCAL CODES AND ORDINANCES. SEE SPECIFICATIONS FOR PERFORMANCE SPEC.

KEY NOTES

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- 6 ROUTE (2) 2" CONDUITS FROM DATA ROOM TO UNDERSIDE OF ROOF DECKING FOR IBEC. SEE GENERAL NOTE E ABOVE FOR MORE INFORMATION.
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HENDERSON COUNTY AND BLUE RIDGE
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INTERIOR RENOVATION
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SEALS



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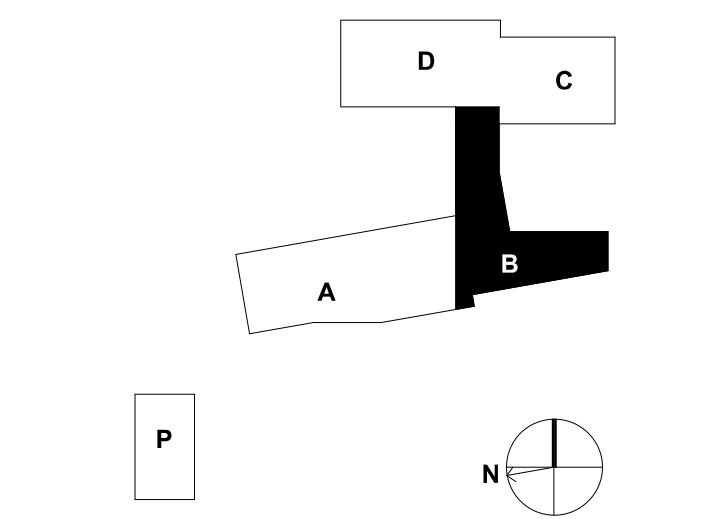
10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DATE	DESCRIPTION
1	11/20/20	ADDENDUM 1
4	02/25/21	CONFORMED SET
7	05/12/21	Early Childhood

KEY PLAN

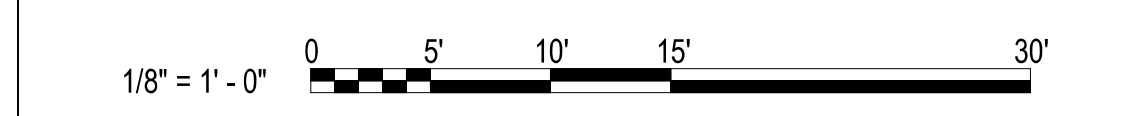


SHEET

SPECIAL SYSTEMS FLOOR
PLAN - LEVEL 2 - AREA B

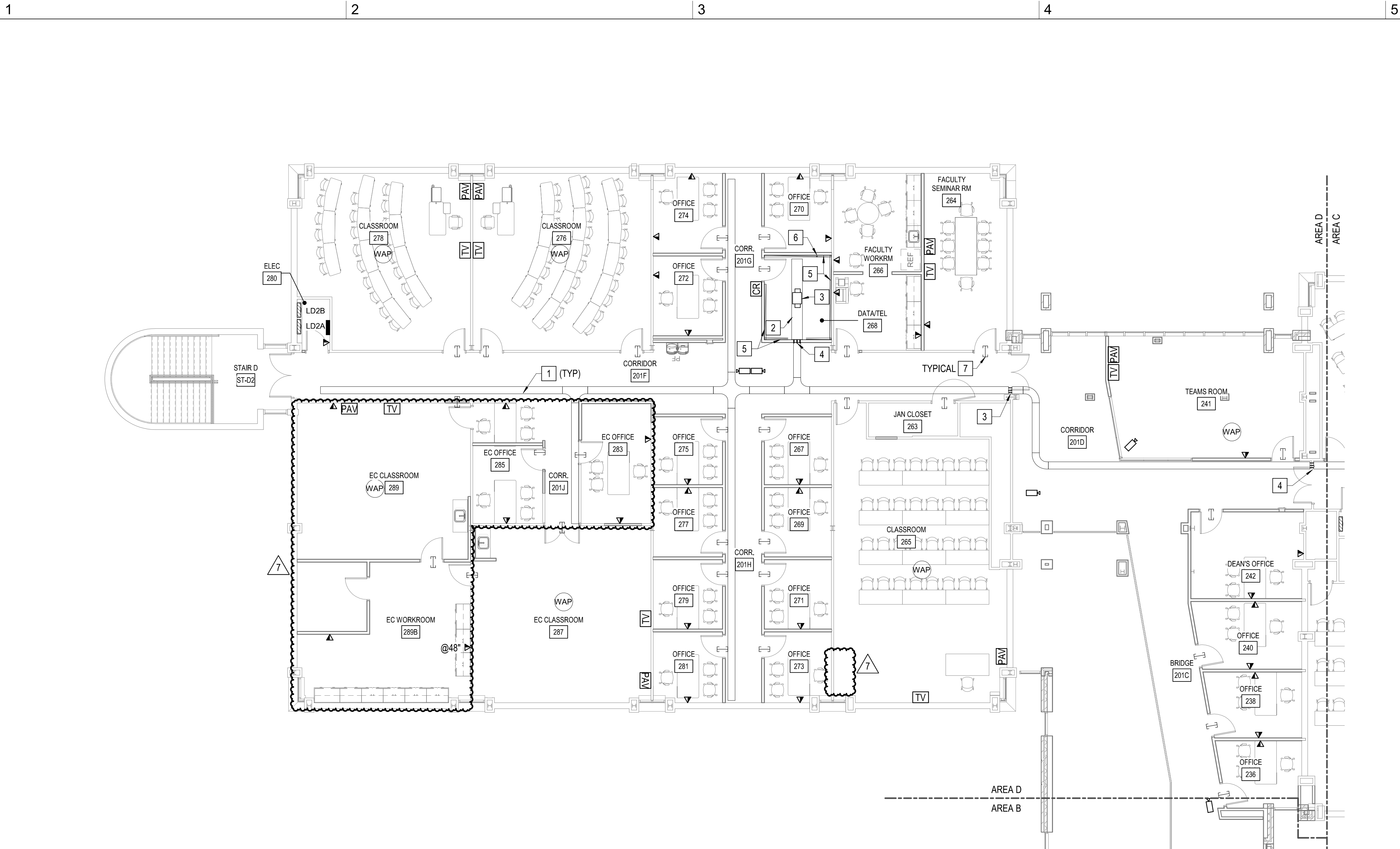
ET107

GRAPHIC SCALE(S)

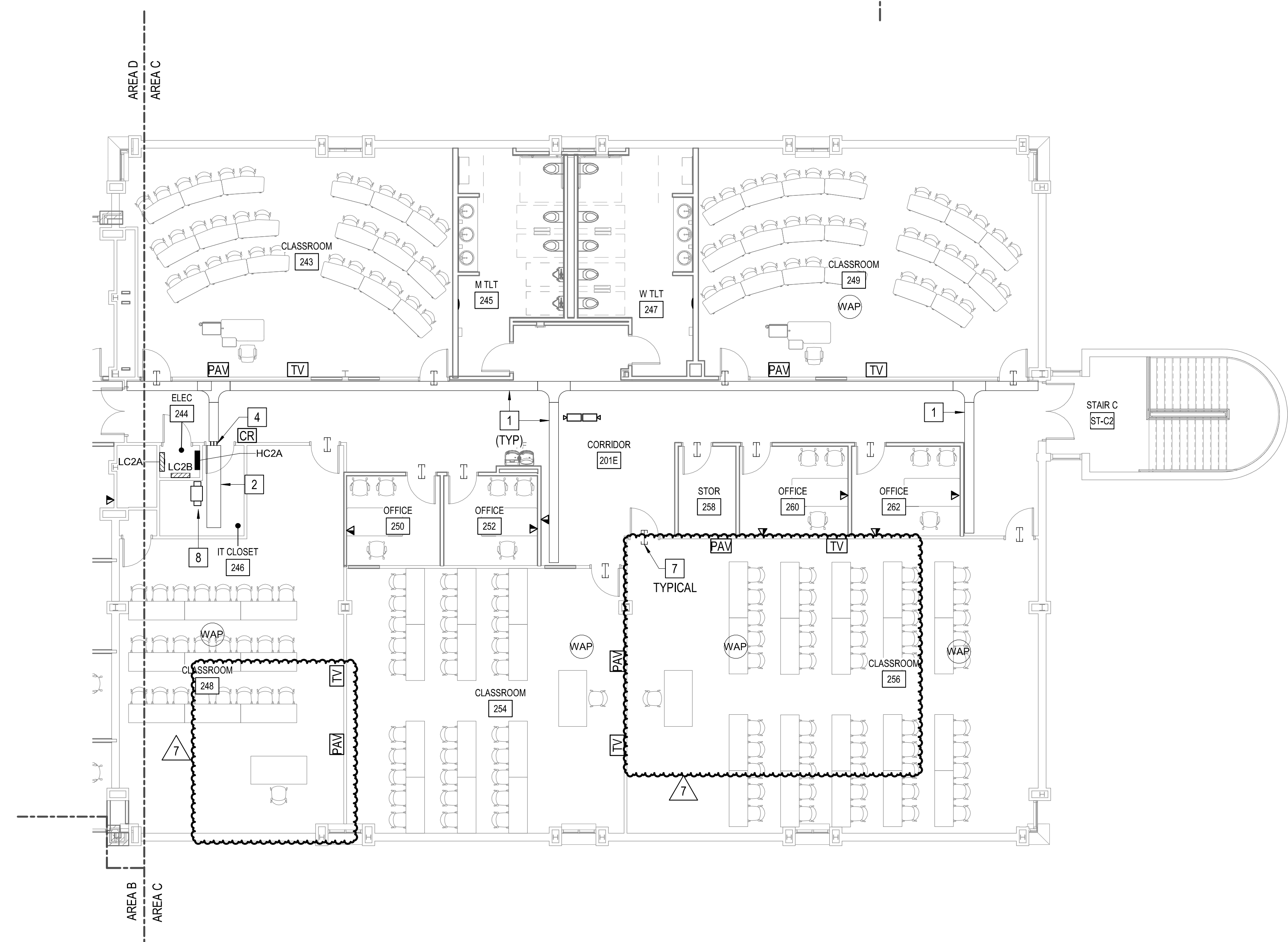


DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L



2 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 2 - AREA D
1/8" = 1'-0"



1 SPECIAL SYSTEMS FLOOR PLAN - LEVEL 2 - AREA C
1/8" = 1'-0"

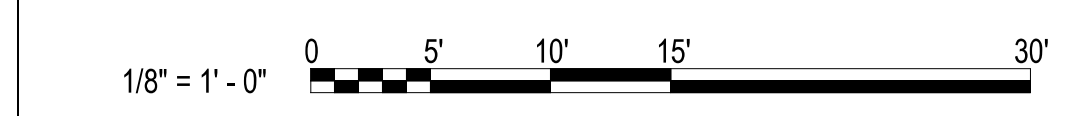
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- F. SEE DETAIL 9 ON ET501 FOR INTERCONNECTIVITY RACEWAYS BETWEEN FLOORBOXES, TV BOXES, PROJECTORS, AND CEILING MOUNTED DATA OUTLETS.
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- 6. ROUTE (2) 2" CONDUITS FROM DATA ROOM TO UNDERSIDE OF ROOF DECKING FOR IBEC. SEE GENERAL NOTE E ABOVE FOR MORE INFORMATION.
- 7. PROVIDE (2) 2" CONDUIT SLEEVE WITH NYLON BUSHINGS ABOVE ACCESSIBLE CEILING. TYPICAL FOR ALL LOCATIONS SHOWN ON PLANS.
- 8. EXISTING TELECOM RACK.

GRAPHIC SCALE(S)



HENDERSON COUNTY AND BLUE RIDGE
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SEALS



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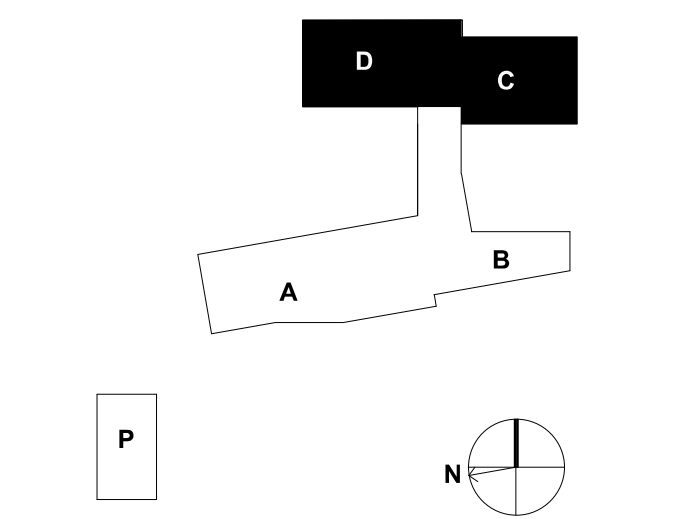
10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DATE	DESCRIPTION
1	11/20/20	ADDENDUM 1
7	05/12/21	Early Childhood

KEY PLAN



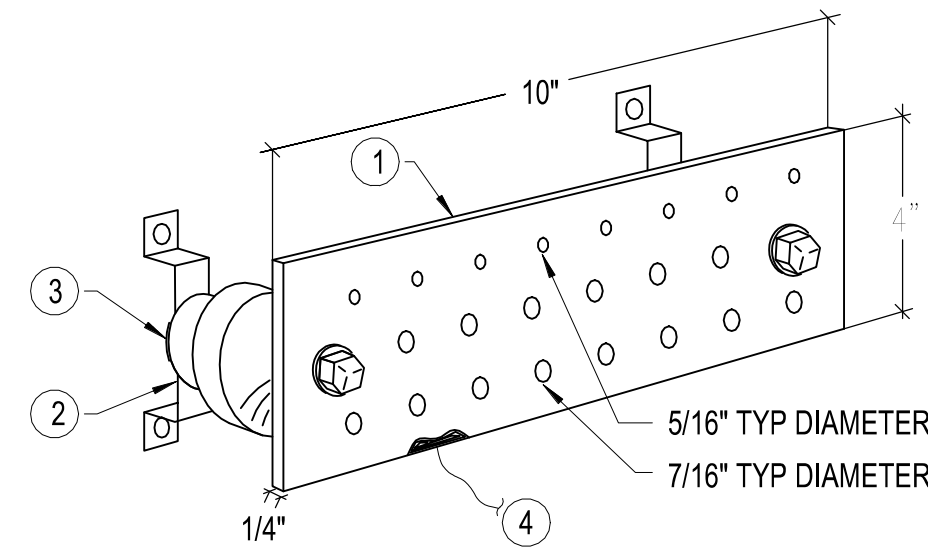
SHEET

**SPECIAL SYSTEMS FLOOR
PLAN - LEVEL 2 - AREA C & D**

ET108

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS

CN 5199-L

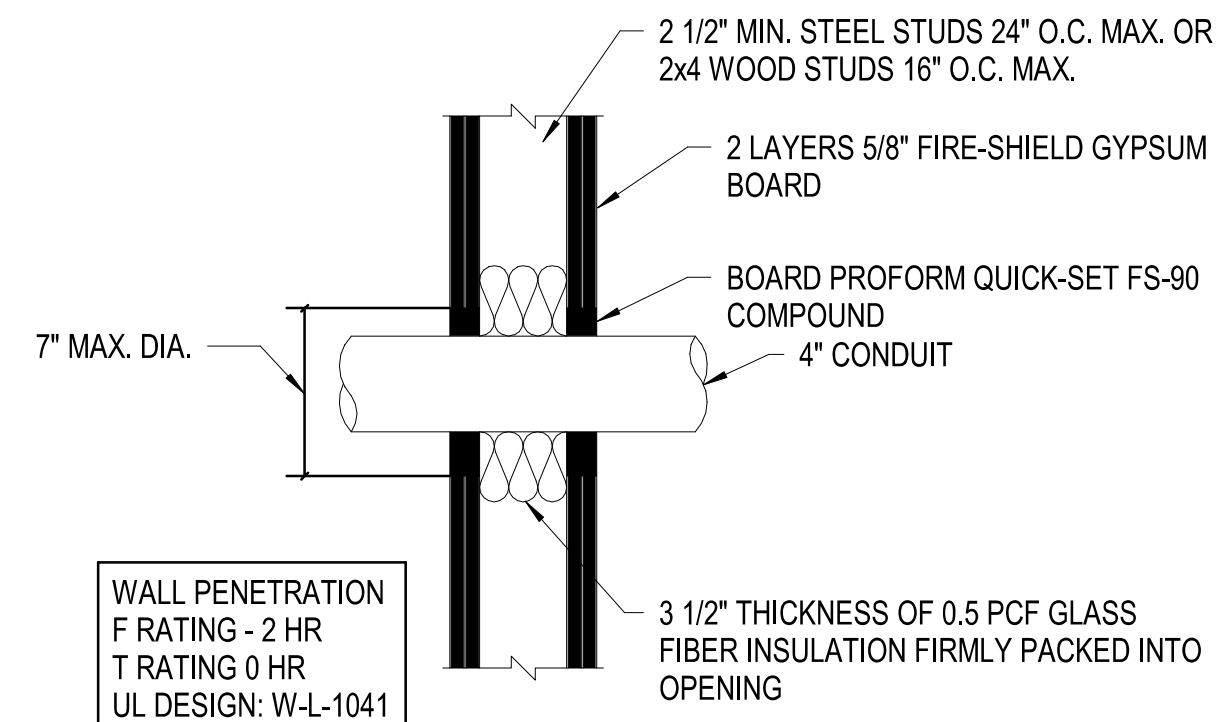


NOTES:

- ① ELECTRICAL & TELECOM ROOM COPPER GROUND BAR, 1/4" X 4" X 10", PER J-STD-607-A.
- ② STANDOFF BRACKET ASSEMBLY WITH INSULATORS, TYP FOR 2.
- ③ LOCK WASHER, TYP FOR 2.
- ④ A CONTINUOUS #3/0 GREEN INSULATED CONDUCTOR SHALL BE RUN FROM MAIN SYSTEM GROUND BAR (MSGB) TO MAIN TELECOM ROOM GROUND BAR (MTGB & TGB).

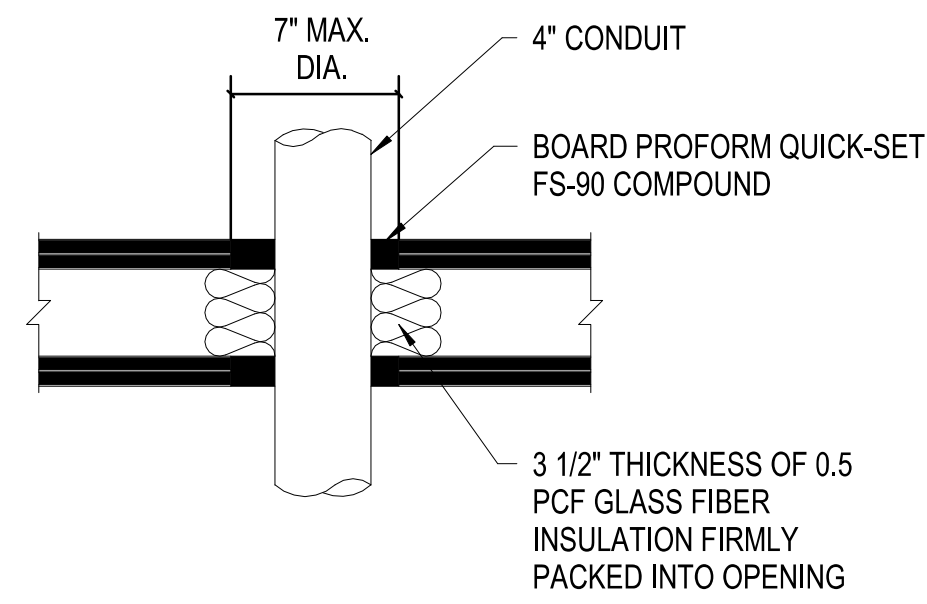
1 GROUNDING BUSBAR

NOT TO SCALE



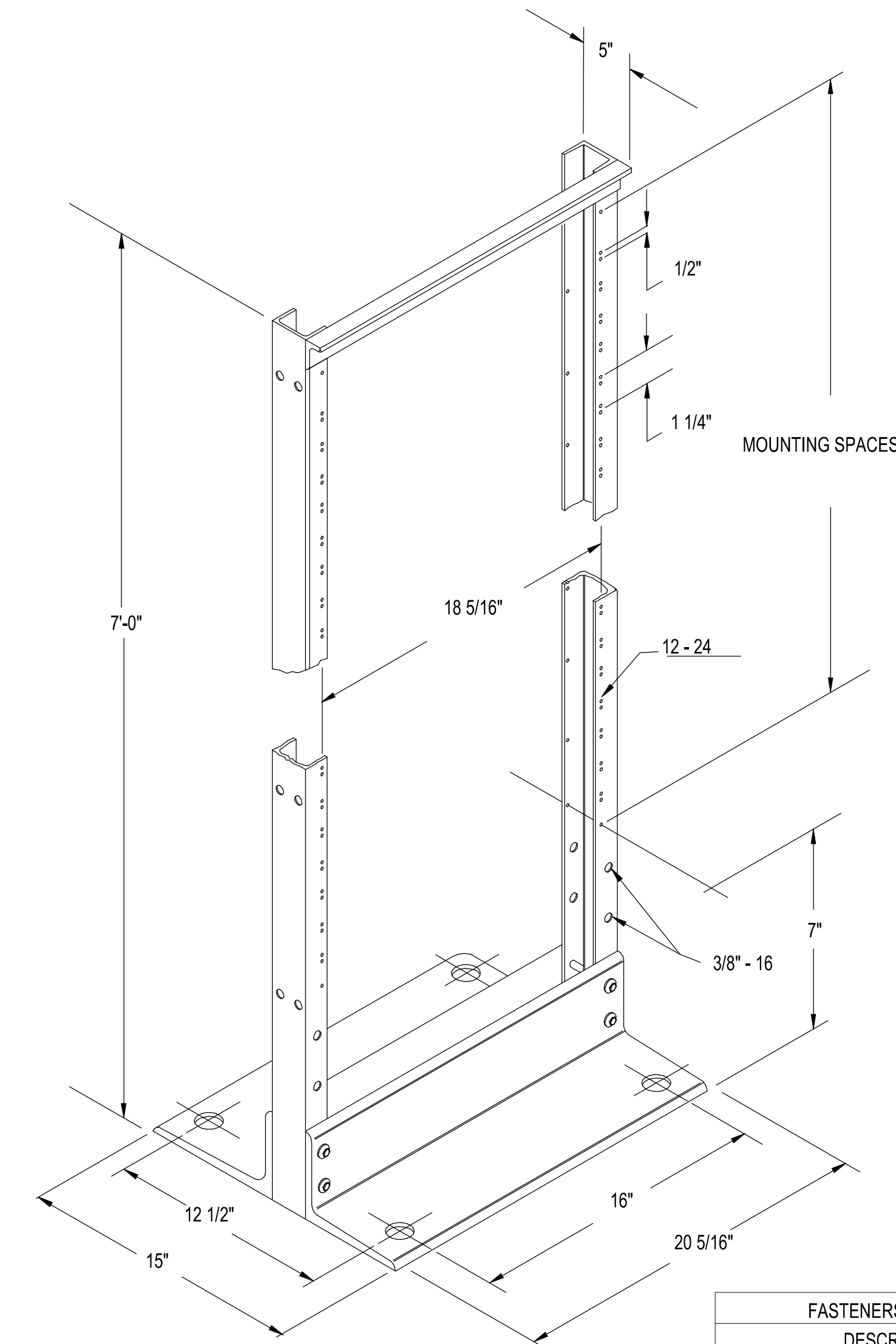
4 CONDUIT/SLEEVE PENETRATION THRU-WALL

NOT TO SCALE



5 CONDUIT/SLEEVE PENETRATION THRU-FLOOR

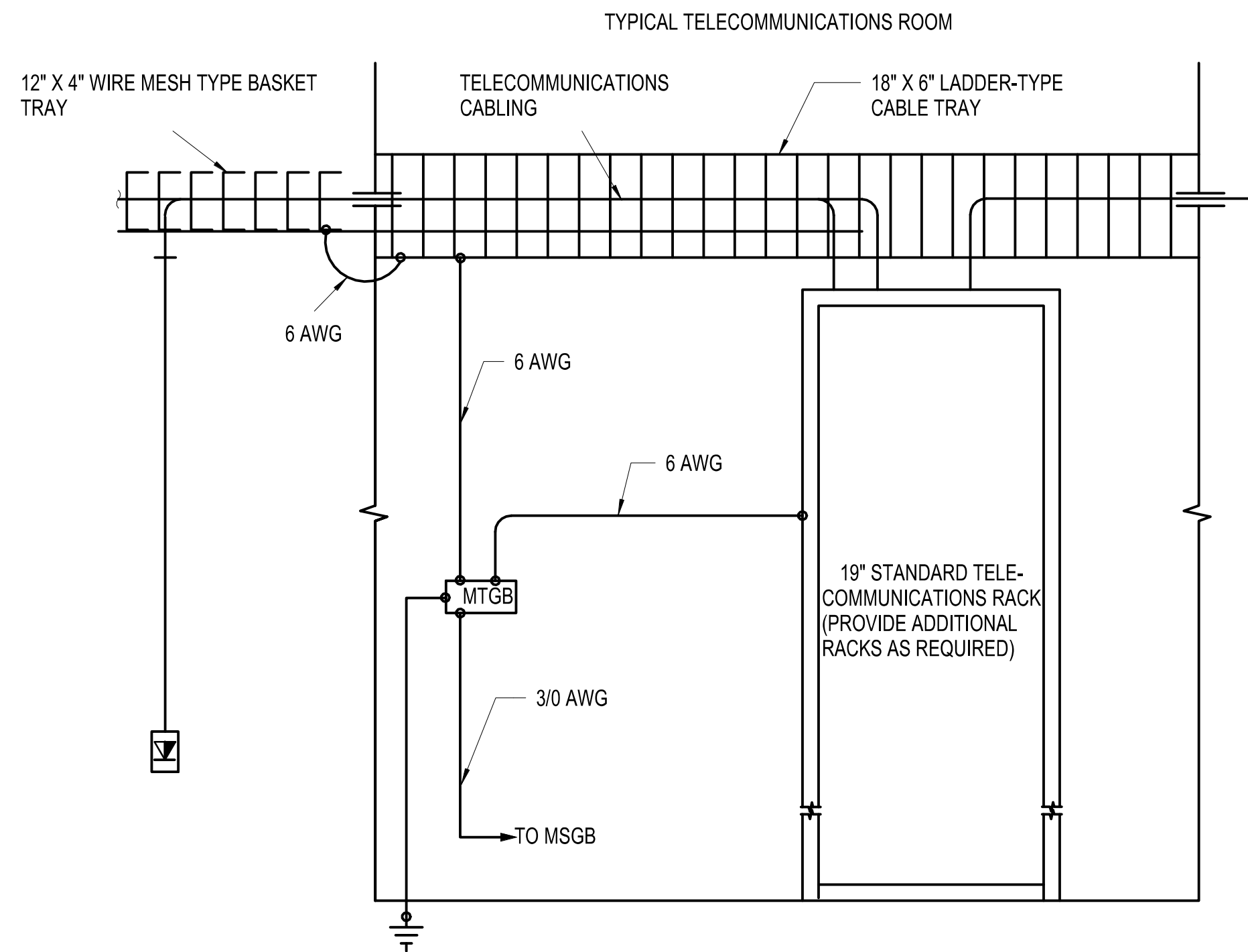
NOT TO SCALE



FASTENERS SUPPLIED	DESCRIPTION	
5/16"-18 X 4 1/2"	H.H.C.S.	
5/16"-18 X 1"	H.H.M.S.	
5/16"-18	HEX NUT	
5/16"	FLAT WASHER	
5/16"	LOCK WASHER	

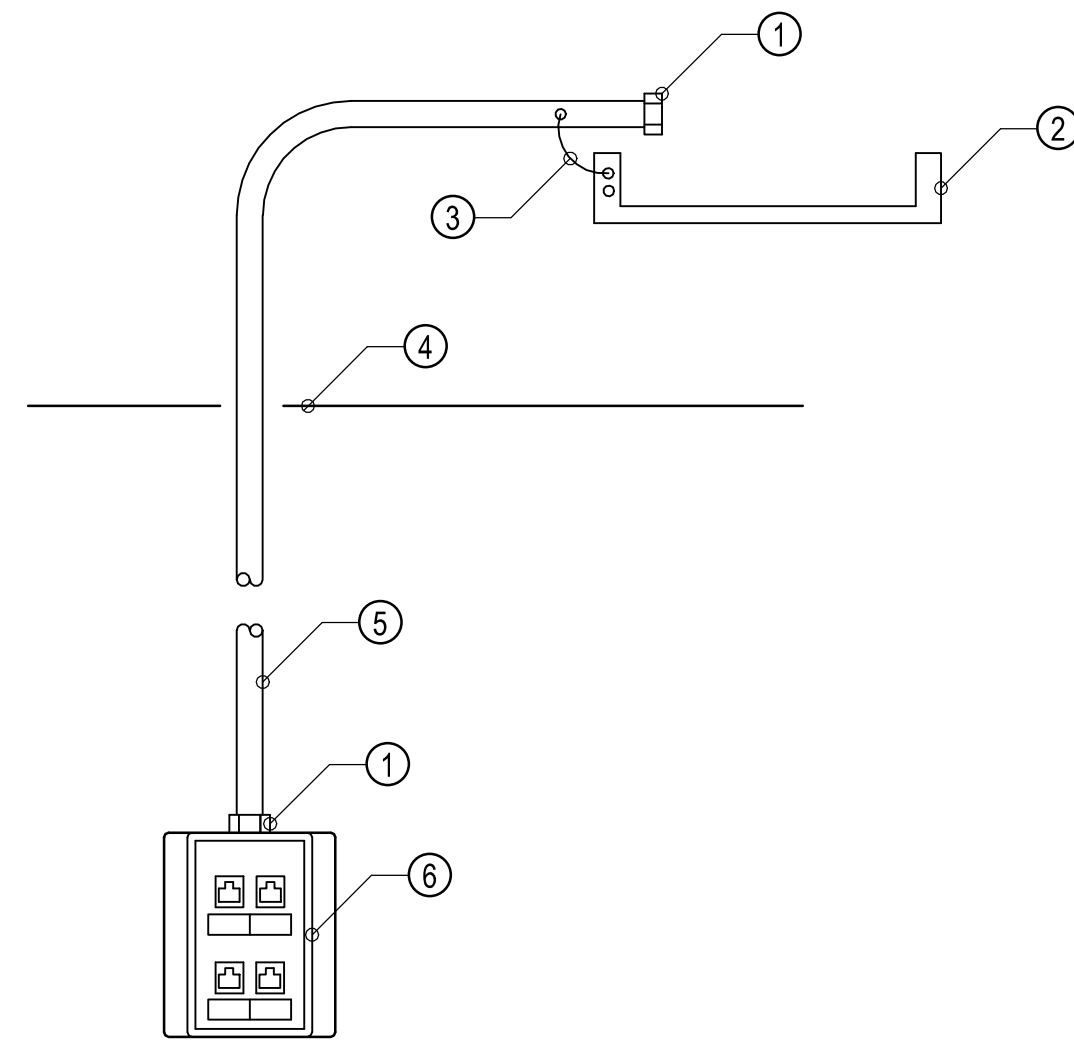
6 TELECOM RACK HARDWARE DETAIL

NOT TO SCALE



2 SYSTEMS GROUNDING RISER DIAGRAM

NOT TO SCALE

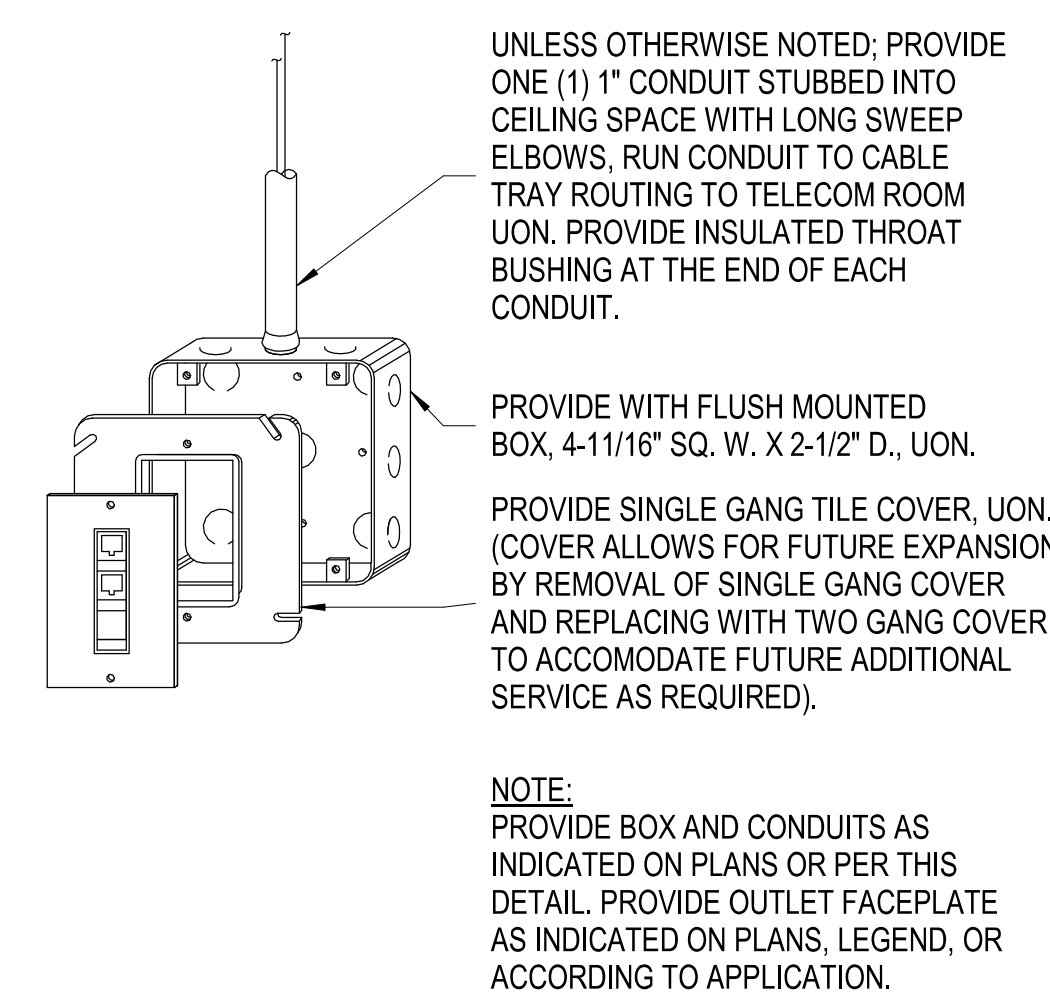


4 DATA/VOICE OUTLET & RACEWAY DETAIL

- NOTES:
(DATA/VOICE OUTLET & RACEWAY DETAIL ONLY)
- ① CONDUIT BUSHING (TYPICAL).
 - ② CORRIDOR CABLE TRAY.
 - ③ TYPICAL BOND #6 TO CONDUIT AND CABLE TRAY. SEE SYSTEMS GROUNDING RISER DIAGRAM ON THIS SHEET.
 - ④ ACCESSIBLE CEILING REFERENCE.
 - ⑤ PROVIDE 1" CONDUIT PER JACK TO ABOVE CABLE TRAY.
 - ⑥ DATA OUTLET, FACEPLATE AND CABLING PROVIDED BY OWNER. BOX AND CONDUIT BY CONTRACTOR.

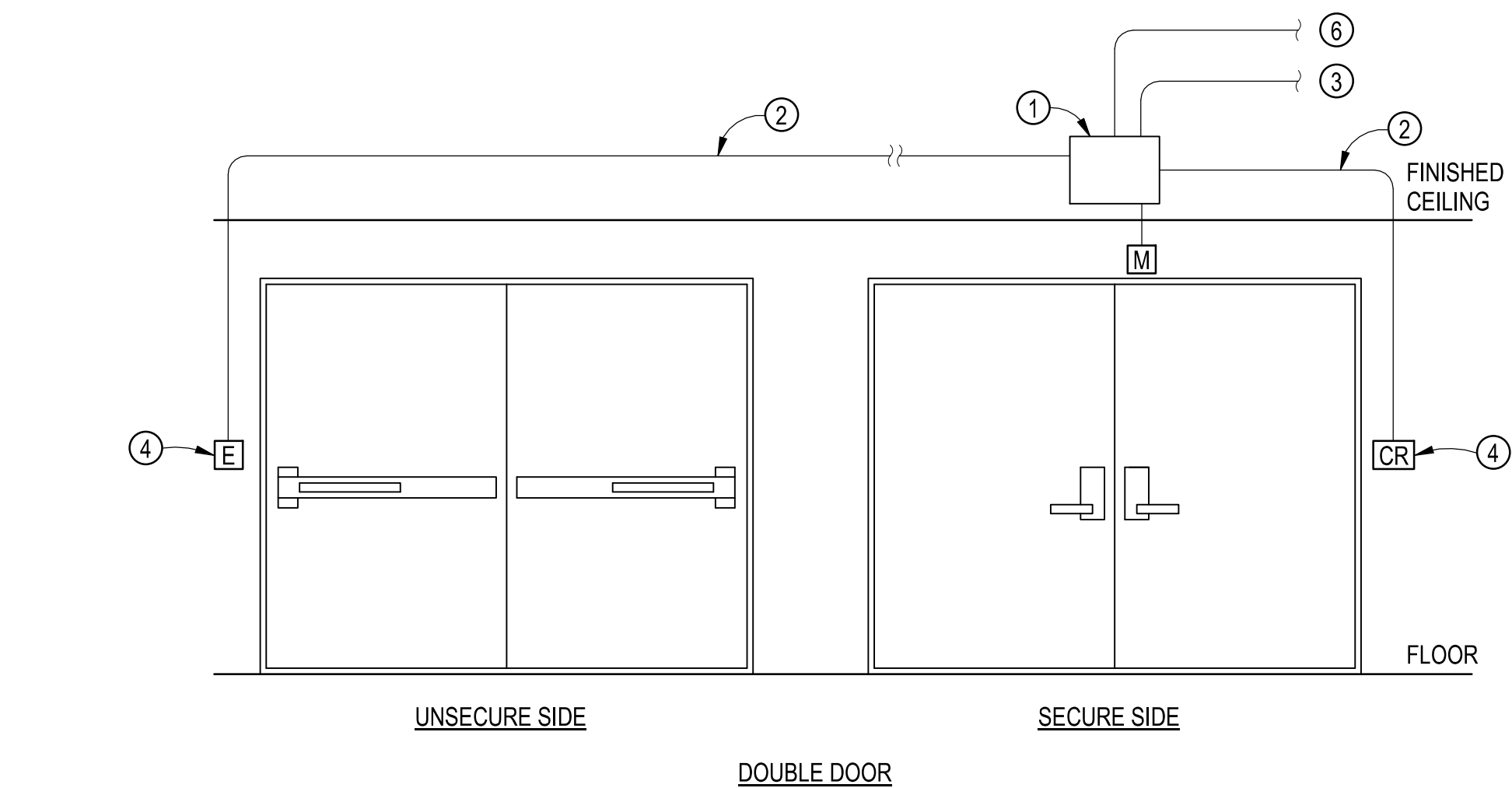
7 DATA/VOICE OUTLET & RACEWAY DETAIL

NOT TO SCALE



8 TELECOM DEVICE CONNECTION DETAIL

NOT TO SCALE

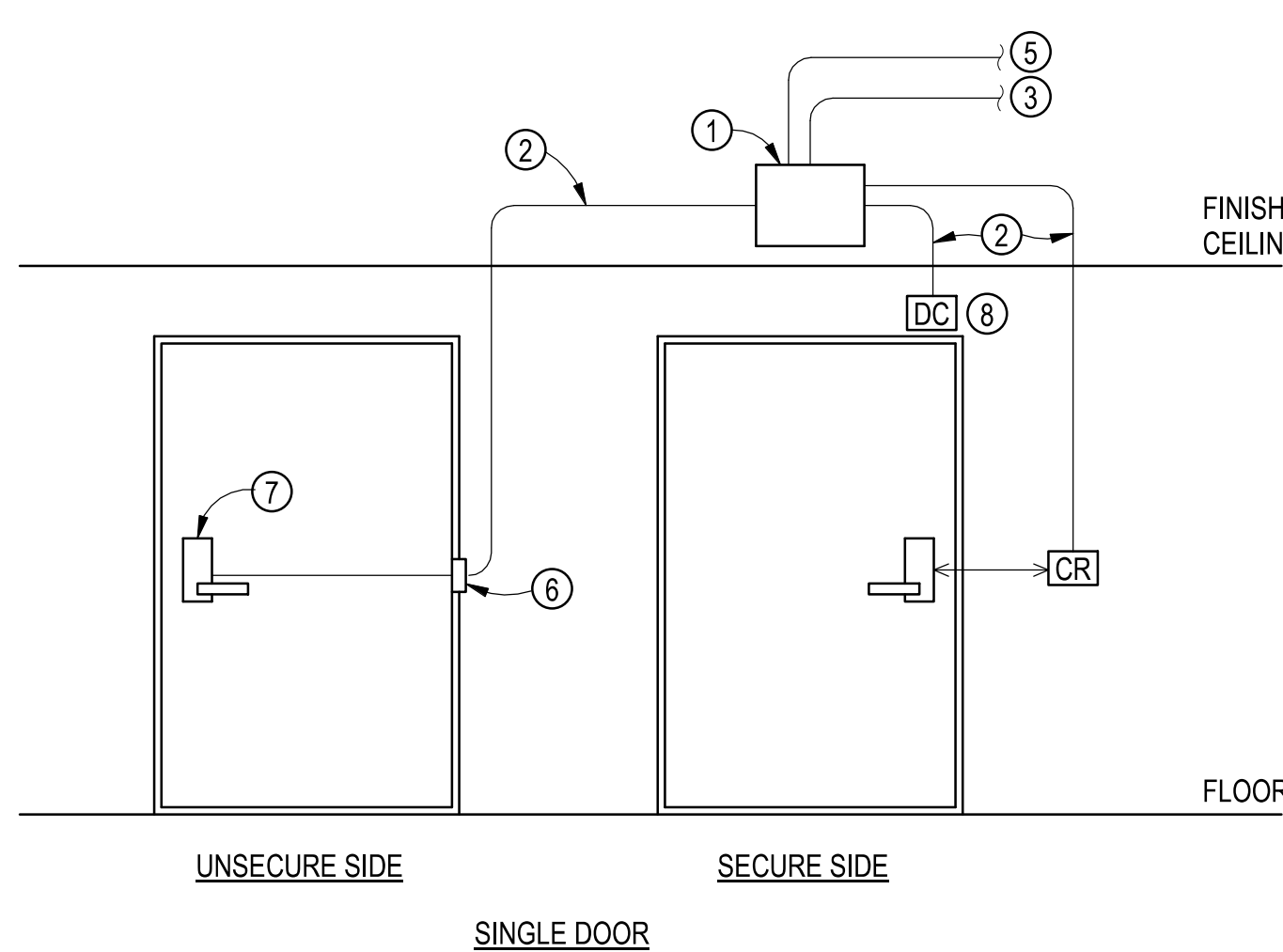


3 ACCESS CONTROL DETAIL

NOT TO SCALE

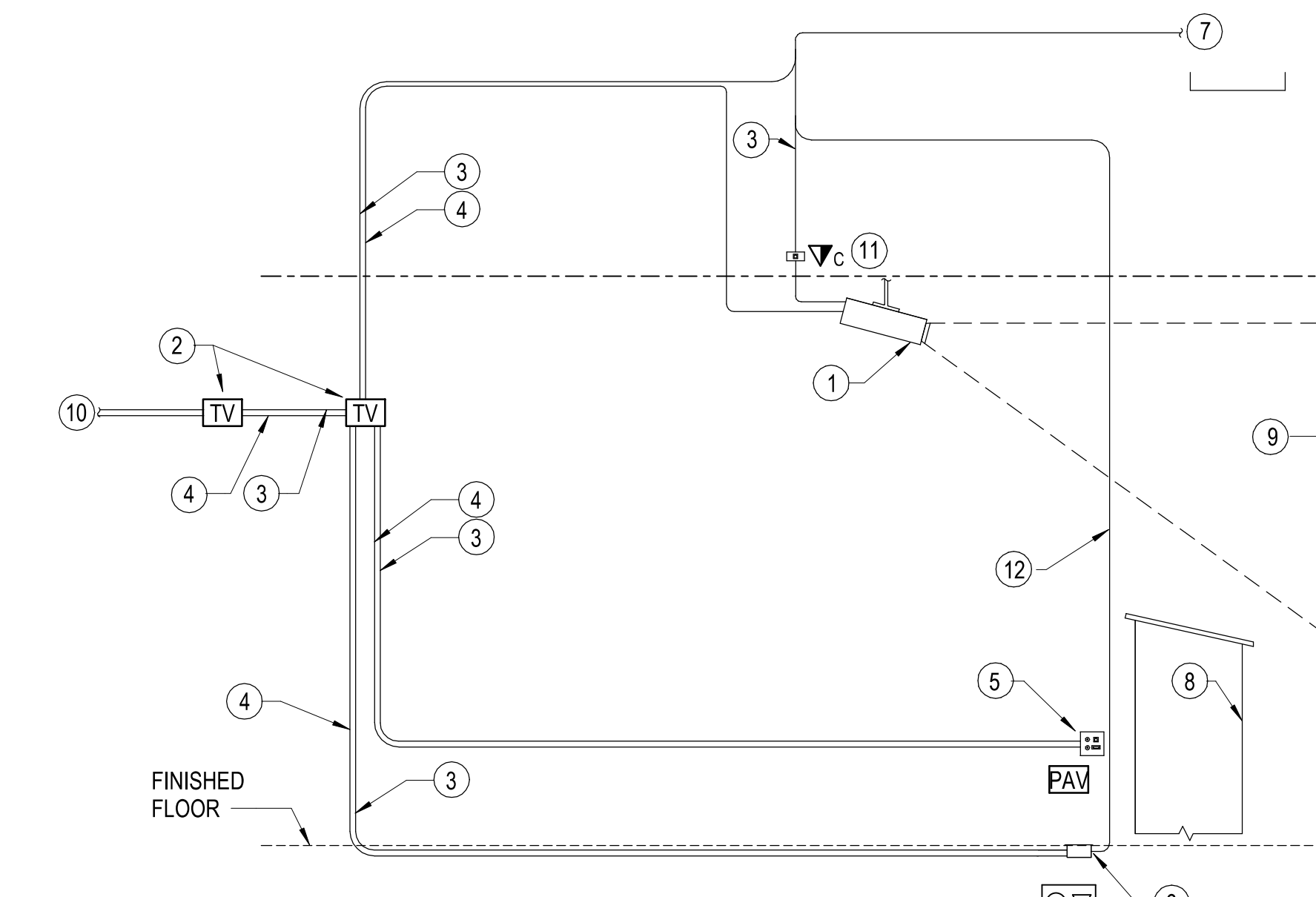
NOTES:
(ACCESS CONTROL DETAILS ONLY)

- ① ACCESS CONTROL DOOR CONTROLLER JUNCTION BOX.
- ② PROVIDE 3/4" CONDUIT.
- ③ PROVIDE CONDUIT TO ACCESS CONTROL PANEL, COORDINATE LOCATION WITH OWNER.
- ④ INTEGRATE WITH AUTO-DOOR CONTROLLER TO OPEN DOOR ON CARD SWIPE (CARD READER) AND BUTTON PUSH (PUSH-TO-EXIT) BUTTON
- ⑤ CONNECTION TO POWERED DOOR OPENER. REFER TO DRAWINGS TO SEE WHICH DOORS HAVE POWERED DOOR OPENERS.
- ⑥ ELECTRIC TRANSFER HINGE.
- ⑦ ELECTRIC DOOR LATCH WITH INTEGRATED CARD READER AND NUMERIC KEYPAD.
- ⑧ DOOR CONTACT SWITCH. INTEGRATE INTO ACCESS CONTROL AS REQUIRED.



7 DATA/VOICE OUTLET & RACEWAY DETAIL

NOT TO SCALE



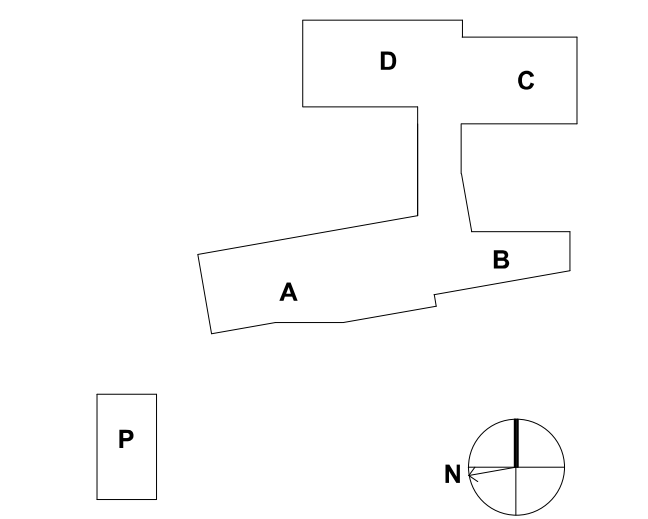
9 TYPICAL CLASSROOM TECHNOLOGY DETAIL

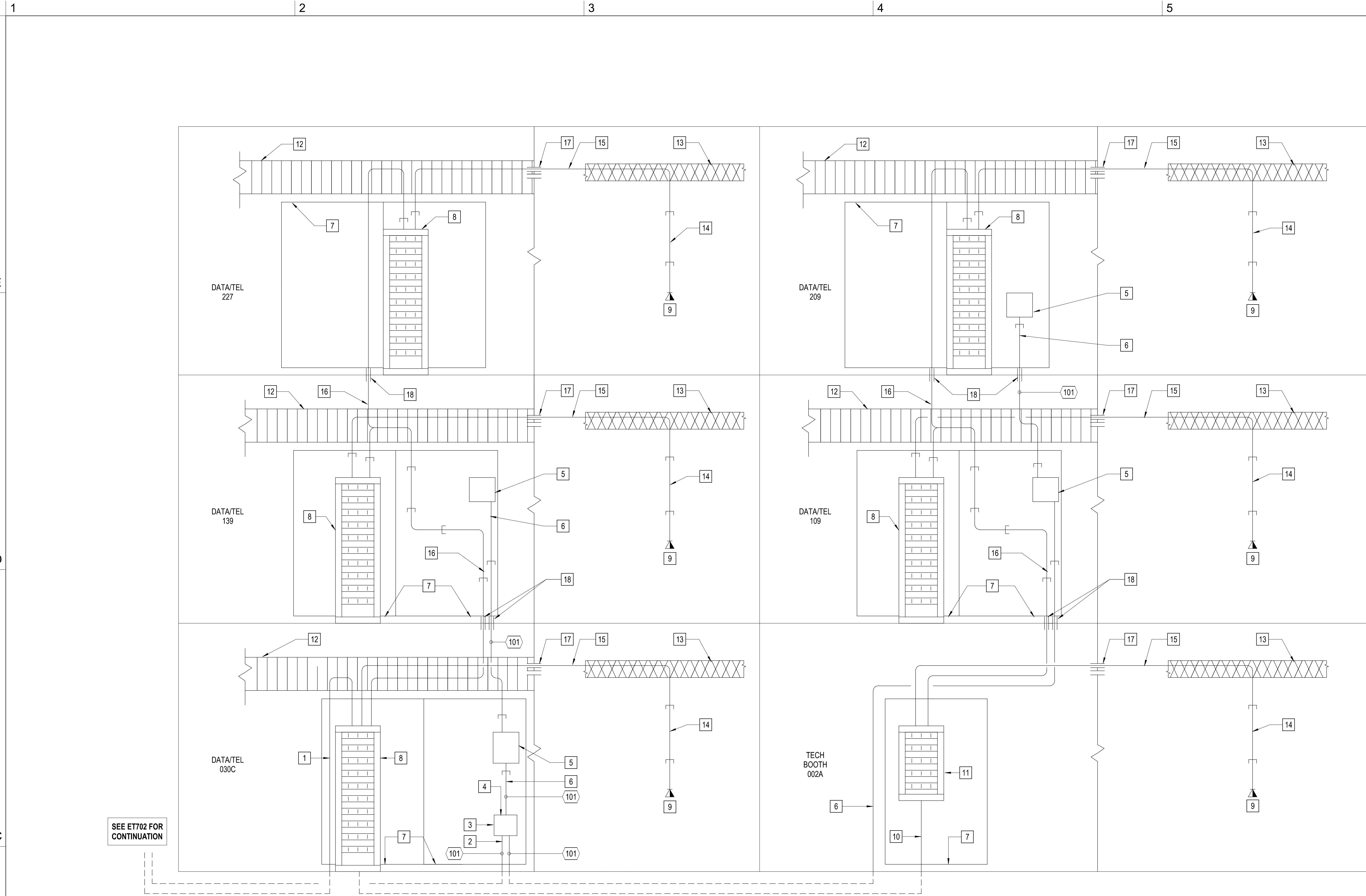
NOT TO SCALE

- # NOTES:**
(THIS DETAIL ONLY)
1. PROJECTOR, PROVIDED BY OWNER. NOT ALL CLASSROOMS HAVE PROJECTORS.
 2. PROVIDE TV BOX SIMILAR OR EQUAL TO FSR-PWB-250 WHERE SHOWN ON PLANS. SEE E-001 FOR MORE DETAILS.
 3. PROVIDE (1) 1 1/4" CONDUIT FOR DATA CABLES. ROUTING SHOWN FOR REFERENCE ONLY.
 4. PROVIDE (1) 1 1/4" CONDUIT FOR HDMI/AV CABLES. ROUTING SHOWN FOR REFERENCE ONLY.
 5. POWER/AV DATA OUTLET. PROVIDE FSR PNB-203 OR APPROVED EQUAL NEAR PODIUM/TEACHERS DESK LOCATION PER PLANS. ONLY IN LOCATIONS WITHOUT A FLOOR BOX (PATTON BUILDING).
 6. PROVIDE DATA/POWER FLOOR RECEPTACLE WHERE SHOWN ON PLANS. (NONE IN EXISTING PATTON BUILDING) AND NOT ALL LOCATIONS IN NEW BUILDING). SEE E-001 FOR MORE DETAILS.
 7. DATA DROP FROM CABLE TRAY OUTSIDE ROOM. PROVIDE CONDUIT TO ABOVE CABLE TRAY.
 8. PODIUM/TEACHERS DESK.
 9. PROJECTOR SCREEN, PROVIDED BY OWNER.
 10. PROVIDE (2) 1 1/4" CONDUITS TO EACH TV BOX IN ROOM. REFER TO PLANS FOR TV BOX LOCATIONS.
 11. CEILING MOUNTED DATA/VOICE OUTLET. SEE E-001 FOR MORE DETAILS. SEE PLANS FOR LOCATIONS.
 12. ONLY PROVIDE (1) 1 1/4" CONDUIT FOR DATA CABLES FROM FLOOR BOX TO ABOVE CABLE TRAY IN ROOMS WHERE THERE IS NO TV BOX. IF THERE IS TV BOX THEN CONDUIT SHALL BE ROUTED TO TV BOX AND THEN TO ABOVE CABLE TRAY AS DEPICTED. ROUTING SHOWN FOR REFERENCE ONLY.
- GENERAL NOTES:**
(THIS DETAIL ONLY)
- A. DETAIL IS DIAGRAMATIC AND SHOWN FOR REFERENCE ONLY.
 - B. CONNECT/INSTALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATION.
 - C. THIS DETAIL DOES NOT SHOW POWER CONNECTIONS OR CONDUIT FOR POWER CONNECTIONS. PROVIDE POWER CONNECTIONS WHERE REQUIRED AND AS SHOWN ON PLANS.
 - D. NOT ALL DEVICES/COMPONENTS SHOWN IN THIS DETAIL ARE IN EVERY CLASSROOM. TYPICALLY, CLASSROOMS EITHER HAVE A AV/ DATA OUTLET NEAR THE PODIUM OR A DATA/POWER FLOOR BOX NEAR THE PODIUM, NOT BOTH.
 - E. REFER TO PLANS FOR LOCATION OF ALL ITEMS.
 - F. FOR EXACT EQUIPMENT AND OUTLET LOCATIONS COORDINATE WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
 - G. BRANDS AND MODELS INDICATE BASIS OF DESIGN, APPROVED EQUALS ALSO ACCEPTED.

REVISIONS

NO.	DATE	DESCRIPTION
1	11/20/20	ADDENDUM 1
2	11/24/20	ADDENDUM 2
4	02/25/21	CONFORMED SET





1 TELECOM RISER DIAGRAM WINGS A & B
NOT TO SCALE

GENERAL NOTES

A. ALL CABLES ROUTED UNDERGROUND BETWEEN BUILDINGS SHALL BE WATER-RESISTANT OF THE SAME TYPE LISTED IN THE TELECOM CABLES SCHEDULE.

KEY NOTES

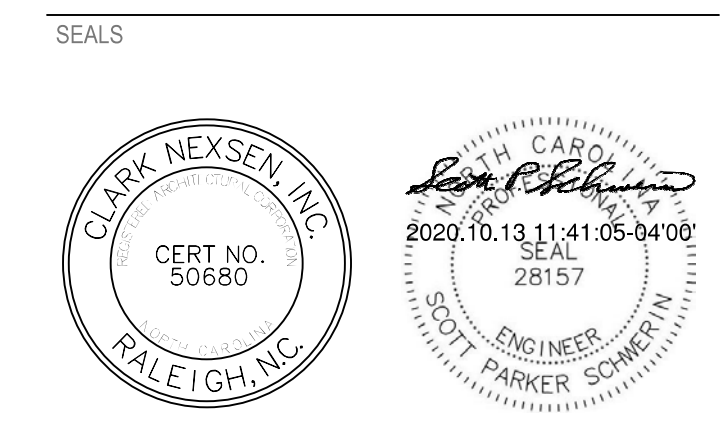
- 1 PROVIDE (2) 4" CONDUIT WITH (2) 4" DETECTABLE THREE-CELL TEXTILE INNER-DUCTS FROM EXISTING DATA/TEL 154F IN EXISTING PATTON BUILDING TO NEW DATA/TEL 030C. COORDINATE WITH BRCC FOR EXACT STUB UP LOCATIONS. SEE SITE PLAN SHEET ES102 FOR MORE INFORMATION.
- 2 PROVIDE (2) 4" CONDUIT WITH (2) 4" DETECTABLE THREE-CELL TEXTILE INNER-DUCTS FROM NEW TELE 154A IN EXISTING PATTON BUILDING TO NEW DATA/TEL 030C. COORDINATE WITH BRCC FOR EXACT STUB UP LOCATIONS. SEE SITE PLAN SHEET ES102 FOR MORE INFORMATION.
- 3 PROVIDE PROTECTION MODULE FOR 50-PAIR COPPER BACKBONE.
- 4 PROVIDE TERMINATION WITH BUSHING.
- 5 PROVIDE 50-PAIR PUNCH DOWN BLOCK IN CABINET.
- 6 PROVIDE (1) 3" CONDUIT FOR COPPER BACKBONE CABLE.
- 7 PROVIDE FIRE-RETARDANT DOUBLE-COATED 8X4 PLYWOOD BACKBOARD AS SHOWN ON SPECIAL SYSTEMS FLOOR PLANS.
- 8 PROVIDE 19" FLOOR MOUNTED TELECOM RACK AS SHOWN ON SPECIAL SYSTEMS FLOOR PLANS AND PER DETAILS 6 ON SHEET ET501.
- 9 TYPICAL DATA OUTLET SHOWN FOR REFERENCE. PROVIDE TELECOM JUNCTION BOX FLUSH WITH SURFACE PER DETAIL 8 ON SHEET ET501.
- 10 PROVIDE (2) 4" CONDUIT WITH (2) 4" DETECTABLE THREE-CELL TEXTILE INNER-DUCTS FROM NEW DATA/TEL 030C TO NEW TECH BOOTH 002A. COORDINATE WITH BRCC FOR EXACT STUB UP LOCATIONS.
- 11 PROVIDE 24"W X 26"D X 48"H WALL MOUNTED TELECOM RACK AS SHOWN ON SPECIAL SYSTEMS FLOOR PLAN ET102.
- 12 PROVIDE 18" X 6" LADDER-TYPE TELECOM CABLE TRAY AS SHOWN ON SPECIAL SYSTEMS FLOOR PLANS.
- 13 PROVIDE 12" X 4" WIRE-MESH TYPE TELECOM CABLE-TRAY AS SHOWN ON SPECIAL SYSTEMS FLOOR PLANS.
- 14 PROVIDE (1) 1" CONDUIT FROM TELECOM JUNCTION BOX TO ABOVE CABLE TRAY. SEE DETAIL 7 ON SHEET ET501.
- 15 DATA CABLING SHOWN FOR REFERENCE ONLY. ALL CABLING BY OWNER UNLESS OTHERWISE NOTED.
- 16 PROVIDE (2) 4" CONDUIT WITH (4) 1" INNERDUCTS FOR FIBER OPTIC CABLE(S). COORDINATE WITH BRCC FOR EXACT STUB UP LOCATIONS.
- 17 PROVIDE 4" FIRE STOP CONDUIT SLEEVES ABOVE CEILING (THROUGH WALLS) AS SHOWN ON SPECIAL SYSTEMS FLOOR PLANS. SEE DETAIL 4 ON SHEET ET501.
- 18 PROVIDE 4" FIRE STOP CONDUIT SLEEVES THROUGH FLOOR AS SHOWN. SEE DETAIL 5 ON SHEET ET501.
- 19 EXISTING TELEPHONE BACKBOARD TO REMAIN.
- 20 EXISTING AT&T FIBER AND COPPER SERVICE ENTRANCE IN METAL FLOOR BOX TO REMAIN.
- 21 EXISTING DATA RACK(S) TO REMAIN.
- 22 EXISTING CABLE RUN TO REMAIN.

#	Description
101	ONE (1) VOICE 50-PAIR UTP 100-OHM CAT-5E 100MHZ (MIN) CMR.

HENDERSON COUNTY AND BLUE RIDGE
COMMUNITY COLLEGE
**BRCC - PATTON HALL
INTERIOR RENOVATION
AND ADDITION**
180 W CAMPUS DR.
FLAT ROCK, NC 28731

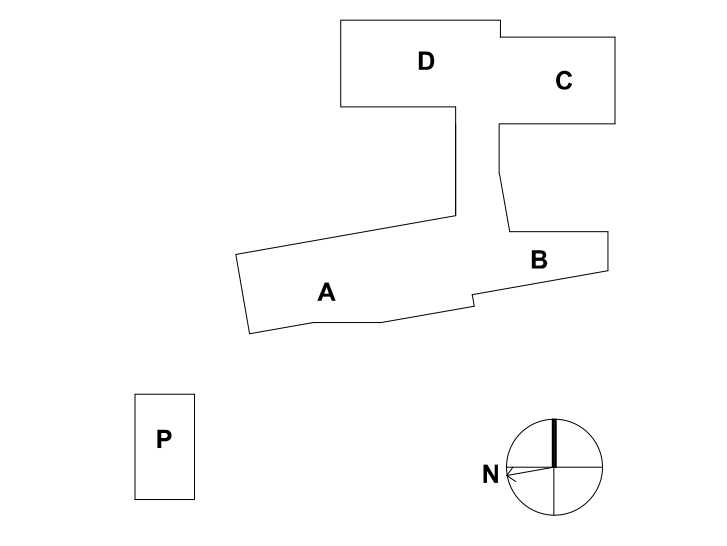


DESIGNER
CLARK NEXSEN
301 College Street, Suite 300
Asheville, North Carolina 28801
828-232-0009
www.clarknexsen.com



SUBMITTAL
10/19/20
CONSTRUCTION DOCUMENTS

REVISIONS



SHEET
IT RISER DIAGRAM WINGS A & B

ET701

DESIGN: MRB
DRAWN: SJB
REVIEW: SPS
CN 5199-L

6
GENERAL NOTES

A. SEE SHEET ET701 FOR KEY NOTES, GENERAL NOTES AND TELECOM CABLES SCHEDULES.

HENDERSON COUNTY AND BLUE RIDGE
COMMUNITY COLLEGE
**BRCC - PATTON HALL
INTERIOR RENOVATION
AND ADDITION**
180 W CAMPUS DR.
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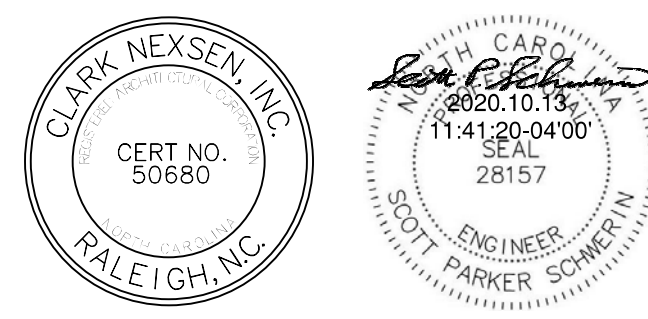


DESIGNER

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301 College Street, Suite 300
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SEALS



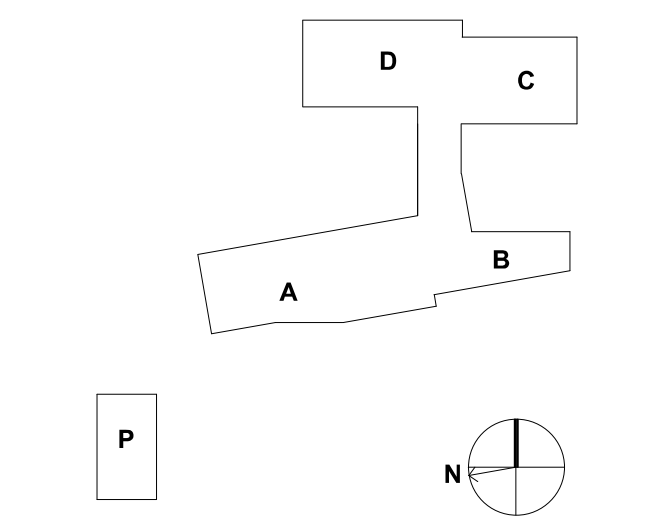
SUBMITTAL

10/19/20

CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DESCRIPTION



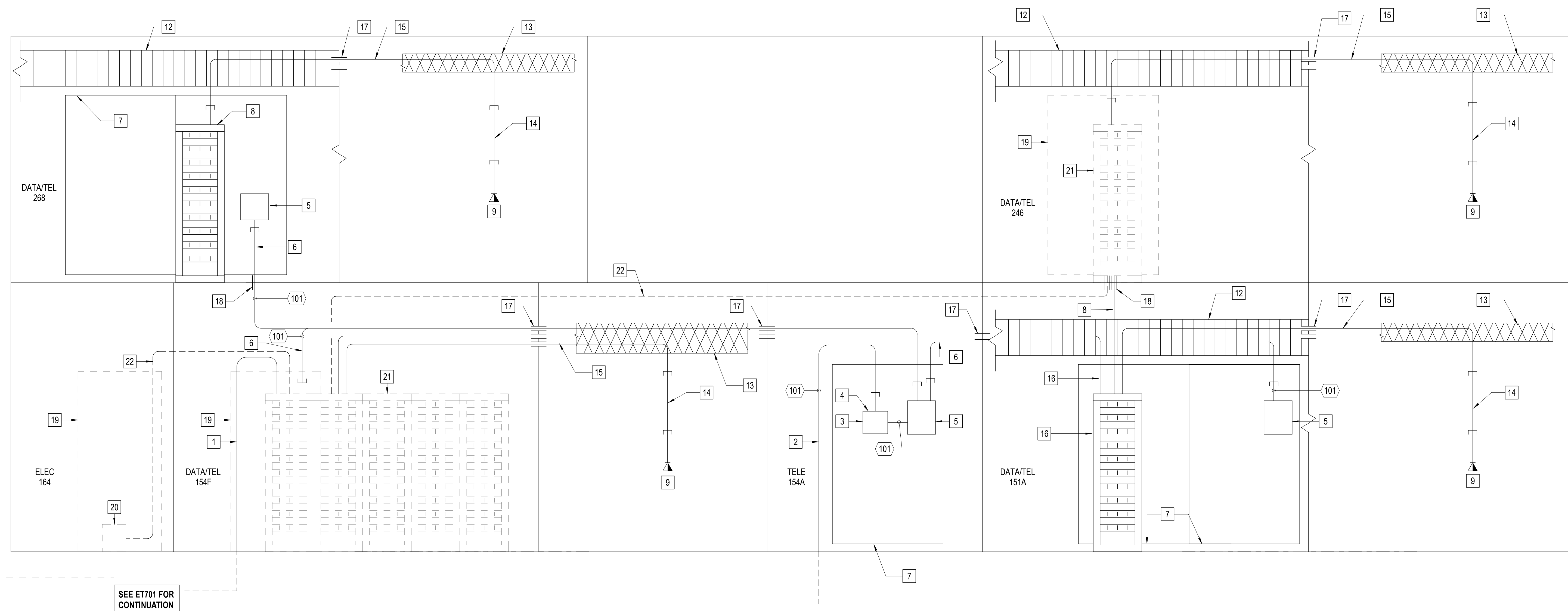
SHEET

IT RISER DIAGRAM WINGS C & D

ET702

DESIGN: Designer
DRAWN: Author
REVIEW: Checker

CN 5199-L



1 TELECOM RISER DIAGRAM WINGS C & D
NOT TO SCALE

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