

ELECTRICAL DEMOLITION NOTES

- THE ELECTRICAL CONTRACTOR SHALL, AS PART OF HIS WORK, PERFORM ALL RELATED DEMOLITION, MODIFICATIONS, RELOCATION OF ELECTRICAL DISTRIBUTION AND OTHER EQUIPMENT AND RELATED WORK, INCLUDING NEW WORK NECESSARY TO COMPLETE THE PROJECT.
- ALL EXISTING FIELD CONDITIONS MAY NOT BE SHOWN ON THE DRAWINGS. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING BIDS. REFER TO EXISTING DRAWINGS AND VISIT THE SITE TO DETERMINE THE EXTENT OF THE DEMOLITION AND NEW WORK REQUIRED. REQUEST FOR EXTRA WILL NOT BE CONSIDERED FOR FAILURE BY THE CONTRACTOR TO BECOME FAMILIAR WITH THE EXISTING SITE CONDITIONS.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL TECHNICAL DETAILS OF EQUIPMENT TO BE REMOVED, WHERE THERE IS A DISCREPANCY WITH THE TENDER DOCUMENTS, CONTRACTOR SHALL ENGAGE CONSULTANTS FOR DIRECTIONS. ELECTRICAL CONTRACTOR SHALL MAKE A LIST OF ALL EQUIPMENT TO BE REMOVED. THIS LIST SHALL BE WITH ALL FOLLOWING INFORMATION:
 - MAKE/MODEL#
 - MANUFACTURER
 - TECHNICAL DETAILS
 - LOCATION
 THIS LIST SHALL BE SUBMITTED TO THE OWNER FOR RECORD PURPOSES.
- THE ELECTRICAL CONTRACTOR SHALL NOT DISCONNECT EQUIPMENT AND ELECTRICAL CIRCUITS IN THE RENOVATION AREA OR ANY PART OF THE BUILDING WITHOUT PRIOR NOTIFICATION AND PERMISSION FROM THE OWNER. EXTREME CARE SHALL BE TAKEN TO MINIMIZE DISTURBANCE TO THE SURROUNDING AREA.
- ITEMS REMOVED AND NOT SCHEDULED TO BE RELOCATED SHALL BE OFFERED TO THE OWNER FOR THEIR USE AND IF NOT ACCEPTED BY THE OWNER, THE ELECTRICAL CONTRACTOR SHALL DISPOSE OF THE MATERIAL FROM THE SITE IN ACCORDANCE WITH LOCAL REGULATIONS. THE ELECTRICAL CONTRACTOR SHALL DELIVER ITEMS ACCEPTED BY THE OWNER TO THE DESIGNATED LOCATIONS AS DIRECTED BY THE OWNER.
- IN ALL CASES WHERE WORK IS REMOVED, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS, EQUIPMENT AND LABOR TO SUSTAIN OPERATION OF ALL PARTS OF THE SYSTEMS CONNECTING TO OR FROM THE PART REMOVED, COMPLETING ALL WORK IN STRICT ACCORDANCE WITH APPLICABLE CODES.
- ALL WIRING, CABLES AND FEEDERS INCLUDING BOTH CONNECTED TO DEVICES AND EQUIPMENT TO BE DEMOLISHED AND EXISTING THAT WERE ABANDONED IN PLACE SHALL BE REMOVED BACK TO THEIR SOURCES. UNLESS NOTED OTHERWISE, CONDUITS AND/OR WIRING SHALL, WHERE NECESSARY, BE RE-CIRCUIT AROUND THE REMOVED PART, KEEPING OCCUPIED PARTS OF THE BUILDING SYSTEM IN FULL SERVICE.
- ALL EXISTING CONDUITS WHICH HAVE BEEN ABANDONED OR ARE UNUSED SHALL BE REMOVED.
- PROVIDE BLANK METAL COVER PLATES FOR ALL JUNCTION/DEVICE BOXES NO LONGER IN USE THAT ARE EMBEDDED IN FLOOR SLAB OR MASONRY WALLS. PROVIDE PLUGS FOR ALL PANELS WHERE CONDUIT HAS BEEN REMOVED. COVER PLATES SHALL BE PAINTED TO MATCH EXISTING CONDITIONS.
- WHERE REQUIRED COORDINATE WITH THE CONSULTANTS/OWNER FOR EXISTING PARTITIONS TO BE REMOVED TO FACILITATE WORK. DISCONNECT EXISTING BRANCH CIRCUITS SERVICING DEVICES IN PARTITIONS TO BE REMOVED. MAINTAIN CONTINUITY OF CIRCUITS SERVICING EXISTING DEVICES IN OTHER AREAS TO REMAIN.
- LIGHTING FIXTURES: REMOVE LIGHTING FIXTURES AND SWITCH CONTROL WHEN THE FIXTURE TO BE REMOVED IS SERVED BY A CIRCUIT, THAT SUPPLIES FIXTURES IN OTHER AREAS THAT ARE TO REMAIN, THE ELECTRICAL CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF THE CIRCUIT TO THE REMAINING FIXTURES.
- POWER RECEPTACLES: REMOVE RECEPTACLES WHEN THE RECEPTACLE TO BE REMOVED IS SERVED BY A CIRCUIT THAT SUPPLIES RECEPTACLES IN OTHER AREAS, THAT ARE TO REMAIN, THE ELECTRICAL CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF THE CIRCUIT TO THE REMAINING RECEPTACLES.
- FIRE ALARM SYSTEM: COORDINATE AND CONSULT WITH CURRENT F/A SYSTEM SERVICE CONTRACTOR OR THEIR QUALIFIED REPRESENTATIVE FOR ALL FIRE ALARM DEMOLITION AND MODIFICATIONS. OPERATION SHALL BE MAINTAINED OF EXISTING FIRE ALARM SYSTEM SPECIFICALLY AS IT RELATES TO ADJACENT AREAS WHICH ARE NOT INCLUDED IN THE SCOPE OF THIS PROJECT.
- ELECTRICAL CONTRACTOR SHALL PROVIDE UPDATED TYPE WRITTEN PANEL DIRECTORIES FOR ALL PANELS AFFECTED BY THE DEMOLITION AND/OR NEW WORK. CIRCUIT BREAKERS NOT USED FOR NEW WORK SHALL BE LABELED AS SPARE.
- FOR EXISTING DEVICES/CIRCUITRY THAT ARE INDICATED TO BE REMOVED BACK TO POINT OF ORIGIN THESE ITEMS ARE TO BE REMOVED BACK TO POINT OF ORIGIN UNLESS THERE WILL BE EXISTING DEVICES ON THE SAME CIRCUIT THAT ARE LOCATED OUTSIDE AREA OF WORK THAT ARE TO REMAIN. IN THAT CASE, REMOVE THE EXISTING DEVICES/CIRCUITRY IN AREA OF WORK BACK TO THESE EXISTING DEVICES TO REMAIN. ALL DEVICES/CIRCUITRY IN SURROUNDING AREAS THAT ARE TO REMAIN ARE TO BE KEPT ENERGIZED. FOR REMOVAL OF CONDUIT AND WIRING OUTSIDE OF AREA OF WORK COORDINATE AND SCHEDULE WITH OWNER PRIOR TO PERFORMING WORK.

| POWER & DISTRIBUTION SYSTEMS | |
|------------------------------|--------------------------------------|
| | PANELBOARD (SURFACE MOUNT). |
| | PANELBOARD (RECESSED MOUNT). |
| | ENCLOSED BUS ASSEMBLY. |
| | CABLE TRAY (LADDER OR TROUGH) |
| | EMERGENCY POWER-OFF PUSHBUTTON (EPO) |

| RECEPTACLE/DIRECT CONNECTIONS | |
|-------------------------------|---|
| | 120V, 2P, 3W, 15A DUPLEX RECEPTACLE (CSA #5 SERIES). |
| | 120V, 2P, 3W, 15A DUPLEX (CSA #5 SERIES) RECEPTACLE WITH USB CHARGING PORTS |
| | 120V, 2P, 3W, 15A DUPLEX (CSA #5 SERIES) RECEPTACLE PRE-WIRED AND FACTORY INSTALLED IN MODULAR WALL SYSTEM |
| | 120V, 2P, 3W, 15A FOUR PLEX (CSA #5 SERIES) RECEPTACLE PRE-WIRED AND FACTORY INSTALLED IN MODULAR WALL SYSTEM |
| | 120V, 2P, 3W, 15A SPLIT TYPE DUPLEX RECEPTACLE. |
| | 120V, 2P, 3W, 15/20A T-SLOT TYPE DUPLEX RECEPTACLE. CSA#5 SERIES. SUBSCRIPT "S" INDICATES SPLIT RECEPTACLE. |
| | 120V, 2P, 3W, 15A FOUR PLEX RECEPTACLE 2. DUPLEXES UNDER COMMON PLATE). |
| | 125V, 2P, 3W SINGLE RECEPTACLE (CSA #5 SERIES). |
| | 125/250V, 3P, 4W SINGLE RECEPTACLE (CSA #14 SERIES). |
| | 250VDC/600VAC, 3P, 4W SINGLE RECEPTACLE (CSA #L17 SERIES). |
| | BENCH RECEPTACLES UNIT. |
| | SUSPENDED INDUSTRIAL POWER CORD REEL COMPLETE WITH RECEPTACLES. SEE SPECIFICATION 26 27 19 FOR DETAILS. |
| | 1 PHASE, 3W DIRECT CONNECTION (L, N, G) OR (L1, L2, G). |
| | 3 PHASE, 4W DIRECT CONNECTION (L1, L2, L3, G). |
| | 3 PHASE, 5W DIRECT CONNECTION (L1, L2, L3, N, G). |
| | 1 PHASE, 4W DIRECT CONNECTION (L1, L2, N, G). |
| | POWER AND COMMUNICATION PAC-POLE. |
| | CEILING SPACE MOUNTED 1 PHASE, 3W DIRECT CONNECTION (L, N, G) FOR HANDS-FREE WASHROOM PLUMBING FIXTURES. REFER TO FLOOR PLANS FOR DETAILS. |
| | WALL MOUNTED HAND DRYER, COMAC BLAST SERIES, MODEL C-20000000, WHITE FINISH, 120V, 1450 WATTS OR APPROVED EQUALS FROM EXCEL DRYERS, XLERATOR SERIES OR WORLD DRYERS, NOVA SERIES. |
| | MOUNTING HEIGHTS FROM BOTTOM EDGE OF DRYERS: 1. UNIV. WASHROOMS: 900mm ABOVE FINISHED FLOOR 2. GIRLS CHANGEROOMS: 1120mm ABOVE FINISHED FLOOR 3. BOYS CHANGEROOMS: 1150mm ABOVE FINISHED FLOOR |

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| | NON-METALLIC SURFACE RACEWAY COMPLETE WITH RECEPTACLES AND COMMUNICATION CABLING OUTLETS. SEE FLOOR PLANS FOR TYPES AND QUANTITIES OF RECEPTACLES AND COMMUNICATION CABLING OUTLETS AND EXACT RACEWAY LENGTH. MOUNT AT 450mm AFF TO CENTRE OF RACEWAY UNLESS INDICATED OTHERWISE ON PLANS. SEE SPECIFICATION SECTION 26 27 19 FOR DETAILS. |
| | INDICATES ONE (1) 15A, 120V DUPLEX RECEPTACLE WITH TWO (2) USB PORTS AND ONE (1) COMMUNICATION CABLE OUTLET COMPLETE WITH TWO (2) CABLES AND JACKS AND FACEPLATE. |
| | INDICATES ONE (1) 15A, 120V DUPLEX RECEPTACLE AND ONE (1) COMMUNICATION CABLE OUTLET COMPLETE WITH TWO (1) CABLE AND JACK AND FACEPLATE. |
| | INDICATES ONE (1) 15/20A, T-SLOT TYPE 120V DUPLEX RECEPTACLE AND ONE (1) COMMUNICATION CABLE OUTLET COMPLETE WITH TWO (1) CABLE AND JACK AND FACEPLATE. |

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| | OVERHEAD DOOR. |
| | NOTES 1. DIRECT CONNECTION VOLTAGE INFORMATION INDICATION BY CIRCUIT No. 2. UNLESS NOTED OTHERWISE MOUNTING HEIGHT OF ALL OUTLETS IS 455mm (18") A.F.F. 3. UNLESS NOTED OTHERWISE (E: 30A, 20A) ALL RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A. |

| PAGING AND SOUND SYSTEM | |
|-------------------------|---|
| | RECESSED CEILING MOUNTED SPEAKER. |
| | COMBINATION WALL MOUNTED SPEAKER AND TALK-LISTEN PRIVACY SWITCH. |
| | SPEAKER MOUNTED IN ROOM MODULAR CONTROL PANEL. |
| | RECESSED WALL MOUNTED SPEAKER. |
| | RECESSED CEILING MOUNTED SPEAKER COMPLETE WITH HANDSFREE MIC. AND INTERCONNECTED TO WALL MOUNTED EMERGENCY PULLCORD ALARM DEVICE. |
| | SURFACE WALL MOUNTED SPEAKER. |
| | SURFACE CEILING MOUNTED SPEAKER. |
| | P.A. CALL SWITCH OR HANDSET. |
| | ADMINISTRATIVE CONSOLE UNIT OUTLET. |
| | LOCAL VOLUME CONTROLLER. |
| | AMPLIFIER. |
| | MICROPHONE OUTLET |

| FIRE ALARM SYSTEM | |
|-------------------|--|
| | MANUAL PULL STATION C/W PROTECTIVE 9VDC BATTERY OPERATED LEXAN COVER. |
| | HEAT DETECTOR. COMBINATION. FIXED 57°C AND RATE OF RISE. SUBSCRIPT 'X' INDICATES 88°C FIXED TEMPERATURE. |
| | HEAT DETECTOR. FIXED ONLY (57°C) SUBSCRIPT 'X' INDICATES 88°C RATING. |
| | SMOKE DETECTOR. IONIZATION TYPE. SUBSCRIPT "R" INDICATES RELAY BASE. |
| | 120V LOCAL SMOKE ALARM CEILING MOUNTED. IONIZATION |
| | 120V LOCAL SMOKE ALARM WITH STROBE. |
| | CARBON MONOXIDE/DIOXIDE DETECTOR. |
| | COMBINATION SMOKE/CARBON MONOXIDE/STROBE. |
| | AIR DUCT TYPE SMOKE DETECTOR. |
| | REMOTE INDICATING LIGHT. SUBSCRIPT INDICATES FAN SYSTEM. |
| | FIRE ALARM HORN. |
| | FIRE ALARM BELL |
| | FIRE ALARM STROBE |
| | COMBINATION FIRE HORN/STROBE LIGHT. |
| | SUPERVISED VALVE - SPRINKLER. SUBSCRIPT 'P' DENOTES STANDPIPE. |
| | SPRINKLER FLOW SWITCH. |
| | SPRINKLER LOW PRESSURE SWITCH. |
| | MAGNETIC DOOR HOLD OPEN DEVICE. |

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|--|---|
| | RECESSED FIRE ALARM SPEAKER (CEILING MOUNTED). |
| | RECESSED FIRE ALARM SPEAKER AND STROBE (CEILING MOUNTED). |
| | FIRE ALARM SPEAKER (WALL MOUNTED). |
| | FIRE ALARM SPEAKER AND STROBE (WALL MOUNTED). |
| | SURFACE FIRE ALARM SPEAKER (CEILING MOUNTED). |
| | SURFACE FIRE ALARM SPEAKER AND STROBE (CEILING MOUNTED). |
| | FIREFIGHTER HANDSET. |
| | FIRE ALARM ZONE DEMARCATION |
| | FIRE ALARM ZONE. NUMBER INDICATES ZONE NUMBER. |
| | FIRE RATED ROLLING COIL DOOR BY GENERAL CONTRACTOR |

| AUDIO VISUAL SYSTEM | |
|---------------------|-----------------------|
| | SHORT WALL PROJECTOR. |
| | TELEVISION OUTLET. |

| COMMUNICATION SYSTEMS | |
|-----------------------|--|
| | COMMUNICATION OUTLET. PROVIDE A SINGLE GANG OUTLET BOX COMPLETE WITH A 27mm (1") CONDUIT AND TWO (2) COMMUNICATION CABLES, JACKS AND FACEPLATE, UNLESS INDICATED OTHERWISE ON PLANS. |
| | SAME AS ABOVE, EXCEPT FLOOR MOUNTED. |
| | COMMUNICATION OUTLET INSTALLED IN MODULAR WALL SYSTEM COMPLETE WITH TWO (2) COMMUNICATION CABLES JACKS AND FACEPLATE. |
| | COMMUNICATION OUTLET INSTALLED IN MODULAR SYSTEM FURNITURE COMPLETE WITH ONE(1) COMMUNICATION CABLE, JACK AND FACEPLATE UNLESS INDICATED OTHERWISE ON PLANS. REFER TO WALL MOUNTED MODULAR SYSTEM FURNITURE POWER AND COMMUNICATION POINT SYMBOL IN THIS ELECTRICAL LEGEND FOR REQUIREMENTS AND DETAILS. |
| | TELEPHONE - SUBSCRIPT "P" INDICATES PAY TELEPHONE. |
| | WIRELESS ACCESS POINT |
| | VIDEO GRAPHIC ARRAY (VGA) OUTLET |
| | PRINTER CONNECTOR JACK. |

| SECURITY SYSTEM | |
|-----------------|---|
| | ELECTRIC DOOR STRIKE, SUPPLIED AND INSTALLED BY DOOR HARDWARE, WIRED BY DIVISION 16 CONTRACTOR. |
| | SECURITY CONTROL PANEL |
| | REQUEST TO EXIT BUTTON |
| | AUTOMATIC DOOR OPERATOR. |
| | MAGNETIC DOOR LOCK. |
| | LOW VOLTAGE POWER SUPPLY FOR THE DOOR STRIKE. |
| | PUSH-TO-LOCK BUTTON. |
| | KEY PAD. |
| | CARD READER. |
| | AUTOMATIC DOOR OPERATOR ACTUATOR. |
| | EGRESS MOTION DETECTOR. |
| | AUDIBLE ALARM (BUZZER) |
| | GLASS BREAK DETECTOR |
| | SECURITY SYSTEM MONITORING STATION |
| | PANIC ALARM |
| | MOTION DETECTOR. |
| | DOOR/WINDOW CONTACT. |
| | EMERGENCY CALL FOR ASSISTANCE SYSTEM PUSHBUTTON. |
| | EMERGENCY CALL FOR ASSISTANCE SYSTEM ANNUNCIATOR WALL MOUNTED DOME LIGHT. |
| | EMERGENCY CALL FOR ASSISTANCE SYSTEM 120VAC/24VDC POWER SUPPLY |

| MECHANICAL WIRING SYSTEMS | |
|---------------------------|--|
| | MECHANICAL EQUIPMENT/MOTOR. |
| | DISCONNECT SWITCH (UNFUSED). SUBSCRIPT INDICATES SIZE. SUBSCRIPT 'N' INDICATES COMPLETE WITH SOLID NEUTRAL. |
| | DISCONNECT SWITCH (FUSED). SUBSCRIPT INDICATES FUSE RATING. SUBSCRIPT 'N' INDICATES COMPLETE WITH SOLID NEUTRAL. |
| | MANUAL STARTER COMPLETE WITH PILOT LIGHT. |
| | MAGNETIC STARTER. |
| | COMBINATION MAGNETIC STARTER. |
| | TIME SWITCH. |
| | THERMOSTAT |
| | SPEED SWITCH |
| | CEILING MOUNTED DESTRATIFICATION FAN |

| TYPICAL CIRCUIT NUMBER IDENTIFICATION | |
|---------------------------------------|--------------------------------|
| | "1" INDICATES CIRCUIT NUMBER 1 |
| | "BB" INDICATES PANEL "LP-BB" |

| MISCELLANEOUS ABBREVIATIONS/SUBSCRIPTS/SYMBOLS | |
|--|---|
| A | - MOUNTING HEIGHT FOR DEVICES ABOVE COUNTER/SINK MILLWORK TO BE 1020mm FROM TOP OF DEVICE TO A.F.F. (UNLESS NOTED OTHERWISE). |
| 3P+N | - 3 POLE & UNSWITCHED NEUTRAL. |
| AFF | - ABOVE FINISHED FLOOR. |
| B | - BENCH MOUNTED. |
| C | - CEILING SPACE MOUNTED. |
| CL | - CONTROLLED LOAD. |
| DF | - WATER BOTTLE REFILLING STATION/DRINKING FOUNTAIN. |
| D/I | - WITH DISCONNECT AND VISIBLE ISOLATION. |
| EXP/EP | - EXPLOSION PROOF. |
| F | - FLOOR MOUNTED. |
| GF | - GROUND FAULT CIRCUIT INTERRUPTER. |
| H | - HOUSEKEEPING RECEPTACLE. |
| IG | - INDOOR GROUNDING. |
| MH | - MOUNTING HEIGHT. |
| NL | - NIGHT LIGHT |
| NS | - SURGE SUPPRESSION TYPE DEVICE. |
| T | - LOCKING TYPE (TWISTLOCK). |
| V | - MOUNT IN VERTICAL FACE. |
| WG | - WIREGUARD. |
| WP | - WEATHERPROOF TYPE. |
| Z | - MOUNT 42" (1065mm) A.F.F. |
| PTZ | - PAN, TILT, ZOOM |
| E | - EXISTING TO REMAIN. |
| ER | - EXISTING TO BE RELOCATED. |
| RE | - RELOCATED AT NEW LOCATION. |
| N | - EXISTING TO BE REPLACED WITH NEW. |
| TS | - MOUNTED IN MILLWORK TOE SPACE. |

| DRAWING LIST | |
|--------------|--|
| DWG No. | DRAWING TITLE |
| E000 | ELECTRICAL SYSTEMS LEGEND DEMO NOTES AND DRAWING LIST |
| E001 | LIGHTING LEGEND AND FIXTURES SCHEDULE |
| E100 | LEVELS 0 AND 1 KEY PLANS |
| E200 | LEVEL 0 LIGHTING DEMOLITION PLANS |
| E201 | LEVEL 0 LIGHTING DEMOLITION PLANS |
| E202 | LEVEL 1 LIGHTING RENOVATION PLANS |
| E300 | LEVEL 0 POWER & SYSTEMS DEMOLITION PLANS |
| E301 | LEVEL 0 POWER & SYSTEMS RENOVATION PLANS |
| E302 | LEVEL 1 POWER & SYSTEMS DEMOLITION AND RENOVATIONS PLANS |
| E303 | ROOF POWER & SYSTEMS PLANS |
| E400 | PANELBOARDS SCHEDULES |
| ME100 | MECHANICAL AND ELECTRICAL SCHEDULES |

| No. | Revisions | Date |
|-----|------------------------|------------|
| 1 | ISSUED FOR BIDS/PERMIT | 2023.03.10 |
| No. | Issue | Date |

| Key Plan N.T.S. | |
|-----------------|---------------|
| | Project North |
| | True North |

| DRAWING LIST | |
|--------------|--|
| DWG No. | DRAWING TITLE |
| E000 | ELECTRICAL SYSTEMS LEGEND DEMO NOTES AND DRAWING LIST |
| E001 | LIGHTING LEGEND AND FIXTURES SCHEDULE |
| E100 | LEVELS 0 AND 1 KEY PLANS |
| E200 | LEVEL 0 LIGHTING DEMOLITION PLANS |
| E201 | LEVEL 0 LIGHTING DEMOLITION PLANS |
| E202 | LEVEL 1 LIGHTING RENOVATION PLANS |
| E300 | LEVEL 0 POWER & SYSTEMS DEMOLITION PLANS |
| E301 | LEVEL 0 POWER & SYSTEMS RENOVATION PLANS |
| E302 | LEVEL 1 POWER & SYSTEMS DEMOLITION AND RENOVATIONS PLANS |
| E303 | ROOF POWER & SYSTEMS PLANS |
| E400 | PANELBOARDS SCHEDULES |
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| E301 | LEVEL 0 POWER & SYSTEMS RENOVATION PLANS |
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Client
Halton District School Board
 2050 Guelph Line
 Burlington, Ontario

T.A. BLAKELOCK H.S. RENOVATION

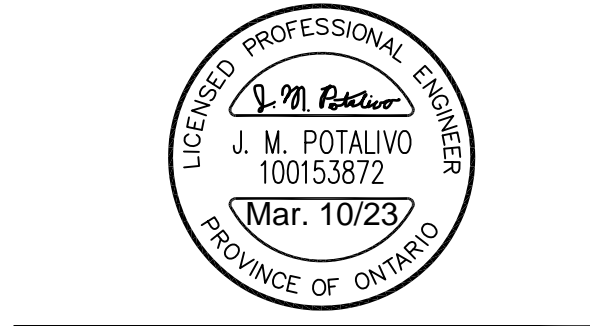
1160 Rebecca Street, Oakville, ON L6L 1Y9

Architect

Snyder Architects Inc.
 265 King St. E. Unit #101 Toronto, ON M5A 4L5
 Tel: 416.966.5444 Fax: 416.966.4443
 www.snyderarchitects.ca

Consultants
 Structural Consultants
Kalos Engineering Inc.
 875 Main St. W. Unit 3
 Hamilton, Ontario L8S 4P9
 Tel: 905-333-9119

Mechanical and Electrical Consultants
EXP
 1266 S. Service Rd.
 Stoney Creek, Ontario, L8E 5R9
 Tel: 905-525-6069



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General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

Drawing Title: ELECTRICAL SYSTEMS LEGEND DEMO NOTES AND DRAWING LIST

Scale: - Date: 05/01/2023

Drawn by: M.O. Checked by: J.P.

Job No. Drawing No.

2215A E000

| LIGHTING FIXTURE SCHEDULE | |
|---------------------------|--|
| TYPE | DESCRIPTION |
| D10 | <ul style="list-style-type: none"> 4" DIAMETER RECESSED LED DOWNLIGHT 120V, 1500LM, 4000K, 80+CRI, 7.6W 0-10V DIMMING DRIVER SEMI SPECULAR REFLECTOR MEDIUM DISTRIBUTION WHITE FLANGE FRESCOLITE LFR-R4D SERIES |
| D10-EB | <ul style="list-style-type: none"> SAME AS TYPE 'D10', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK WITH INTEGRAL TEST SWITCH. |
| D11 | <ul style="list-style-type: none"> SAME AS TYPE 'D10', EXCEPT COMPLETE WITH CLEAR LENS FOR WET LOCATION. |
| HB10 | <ul style="list-style-type: none"> 48"x15" LED HIGH BAY LUMINAIRE 120V, 12000LM, 4000K, 80CRI, 51W 0-10V DIMMING DRIVER FROSTED PRISMATIC ACRYLIC LENS WITH WIREGUARD WHITE FINISH AIRCRAFT SUSPENSION CABLES WITH UNDERSIDE OF FIXTURE EVEN WITH UNDERSIDE OF BEAMS. CONFIRM EXACT SUSPENSION CABLES LENGTH ON SITE PRIOR TO ORDERING. PEERLESS ELECTRIC GP SERIES |
| HB10-EB | <ul style="list-style-type: none"> SAME AS TYPE 'D10', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK WITH INTEGRAL TEST SWITCH. |
| LP12 | <ul style="list-style-type: none"> 12" LONG DIRECT/INDIRECT LINEAR LED PENDANT 120V, 1274LM/1FT, 4000K, 80CRI, 6W/1FT L3 LIGHT LEVEL/DRIVER OPTICS: UP=METAL BLANC, DOWN=METAL BLANC 0-10V DIMMING DRIVER WHITE FINISH AIRCRAFT SUSPENSION CABLES WITH UNDERSIDE OF FIXTURE AT 3000mm ABOVE FINISH FLOOR. CONFIRM EXACT SUSPENSION CABLES LENGTH ON SITE PRIOR TO ORDERING. METALUMEN RAIL 4, RM4DI SERIES |
| LP12-EB | <ul style="list-style-type: none"> SAME AS TYPE 'LP12', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK FOR 4' LONG, DIRECT SECTION AS INDICATED ON PLANS |
| LP24 | <ul style="list-style-type: none"> 8" LONG DIRECT/INDIRECT LINEAR LED PENDANT 120V, 595LM/1FT, 4000K, 80CRI, 6W/1FT L3 LIGHT LEVEL/DRIVER OPTICS: UP=METAL BLANC, DOWN=METAL BLANC 0-10V DIMMING DRIVER WHITE FINISH AIRCRAFT SUSPENSION CABLES WITH UNDERSIDE OF FIXTURE AT 3000mm ABOVE FINISH FLOOR. CONFIRM EXACT SUSPENSION CABLES LENGTH ON SITE PRIOR TO ORDERING. METALUMEN RAIL 2, RM2D SERIES |
| LP24-EB | <ul style="list-style-type: none"> SAME AS TYPE 'LP12', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK FOR 4' LONG, DIRECT SECTION AS INDICATED ON PLANS |
| LR12 | <ul style="list-style-type: none"> 12" LONG RECESSED DIRECT LINEAR LED PENDANT 120V, 1274LM/1FT, 4000K, 80CRI, 7W/1FT L3 LIGHT LEVEL/DRIVER 0-10V DIMMING DRIVER WHITE FINISH METALUMEN RAIL 4, RM4DI SERIES |
| LR12-EB | <ul style="list-style-type: none"> SAME AS TYPE 'LP12', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK FOR 4' LONG, DIRECT SECTION AS INDICATED ON PLANS |
| LR24 | <ul style="list-style-type: none"> 8" LONG RECESSED DIRECT LINEAR LED PENDANT 120V, 1274LM/1FT, 4000K, 80CRI, 7W/1FT L3 LIGHT LEVEL/DRIVER 0-10V DIMMING DRIVER WHITE FINISH METALUMEN RAIL 2, RM2D SERIES |
| LP40 | <ul style="list-style-type: none"> 40" LONG CONTINUOUS DIRECT LINEAR LED PENDANT 120V, 5581LM/4FT, 4000K, 80CRI, 47.7W/4FT 0-10V DIMMING DRIVER L3 LIGHT LEVEL DRIVER WHITE FINISH AIRCRAFT SUSPENSION CABLES WITH UNDERSIDE OF FIXTURE EVEN WITH UNDERSIDE OF OWSJ. CONFIRM EXACT SUSPENSION CABLES LENGTH ON SITE PRIOR TO ORDERING. METALUMEN PLANAR S2E SERIES |
| LP40-EB | <ul style="list-style-type: none"> SAME AS TYPE 'LP40', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK FOR 4' LONG, DIRECT SECTION AS INDICATED ON PLANS |
| LP4-EB | <ul style="list-style-type: none"> 4" LONG CONTINUOUS DIRECT LINEAR LED PENDANT 120V, 5581LM/4FT, 4000K, 80CRI, 47.7W/4FT 0-10V DIMMING DRIVER L3 LIGHT LEVEL DRIVER WHITE FINISH AIRCRAFT SUSPENSION CABLES WITH UNDERSIDE OF FIXTURE EVEN WITH UNDERSIDE OF OWSJ. CONFIRM EXACT SUSPENSION CABLES LENGTH ON SITE PRIOR TO ORDERING. METALUMEN PLANAR S2E SERIES |
| PD1 | <ul style="list-style-type: none"> 6" DIAMETER SUSPENDED LED CYLINDER 120V, 2500LM, 3000K, 80CRI, 24W 0-10V DIMMING DRIVER STATIC WHITE FINISH ALPHABET LIGHTING BETA 6R SERIES WITH RP10 FIELD ADJUSTABLE SUSPENSION ASSEMBLY |
| PD2 | <ul style="list-style-type: none"> 5.5" ROUND SUSPENDED LED PENDANT 120V, 800LM, 4000K, 95CRI, 12W CANOPY INTEGRATED 0-10V DIMMING DRIVER WHITE OUTER & YELLOW INNER FINISHES 800mm LONG SUSPENSION CORD ARANCIA NIDO P101 SERIES. |
| R14 | <ul style="list-style-type: none"> 1'x4' RECESSED LED TROFFER 120V, 4933LM, 3500K, 80CRI, 32.6W 0-10V DIMMING DRIVER WHITE FINISH FOR INSTALLATION IN INVERTED "T" SUSPENDED CEILING RECTANGULAR SHIELDING COLUMBIA LIGHTING LCAT14 SERIES |
| R14-EB | <ul style="list-style-type: none"> SAME AS TYPE 'R14', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK |
| S12 | <ul style="list-style-type: none"> 4" LED SURFACE MOUNT STRIPLIGHT 120V, 5411LM, 4000K, 80CRI, 42W FIXED OUTPUT DRIVER WHITE ROUND FROSTED LENS WHITE FINISH COLUMBIA LIGHTING LCL SERIES |
| S12-EB | <ul style="list-style-type: none"> SAME AS TYPE 'S12', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK |
| SP12 | <ul style="list-style-type: none"> SAME AS TYPE 'S12', EXCEPT SUSPENDED BY AIRCRAFT CABLES. REFER TO LIGHTING DRAWINGS FOR FIXTURES MOUNTING HEIGHTS AND CONFIRM EXACT SUSPENSION CABLES LENGTHS ON SITE PRIOR TO ORDERING. |
| SP12-EB | <ul style="list-style-type: none"> SAME AS TYPE 'SP12', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK |
| T1 | <ul style="list-style-type: none"> LED TAPE LIGHT 120V, 100LM/LFT, 3000K, 95CRI, 1.2W/LFT REMOTE POWER SUPPLY MOUNTED IN CORRIDOR ACCESSIBLE CEILING SPACE COMPLETE WITH ALL NECESSARY ACCESSORIES FOR A COMPLETE AND OPERATING INSTALLATION. WHITE FINISH FIXTURE TO COVER THE ENTIRE LENGTH OF THE DISPLAY CABINET. REFER TO ARCHITECTURAL FOR EXACT CABINET LENGTH. WAC LIGHTING CCT SERIES |
| X10 | <ul style="list-style-type: none"> EXIT SIGN SINGLE FACE, SELF POWERED UNIVERSAL MOUNTING 120V, 2 WATTS DIRECTIONAL ARROW AS INDICATED ON PLAN ABB EMERGI-LITE EP SERIES |

| FIXTURE SCHEDULE NOTES | |
|------------------------|--|
| GENERAL | <p>A. APPROVED EQUAL PRODUCTS MUST BE CAPABLE OF PROVIDING THE SAME LEVEL OF PERFORMANCE, INCLUDING CONTROL CAPABILITY, AS THE NAMED DESIGN PRODUCT. PRODUCTS OTHER THAN THOSE LISTED WILL BE CONSIDERED. SUBMIT PRODUCT DATA IN ACCORDANCE WITH THE LIGHTING SECTION OF THE ELECTRICAL SPECIFICATION DOCUMENTS.</p> <p>B. COLOR QUALITY: INTERIOR LIGHTING SHALL HAVE AN R9 VALUE OF 50 OR BETTER.</p> <p>C. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE PRODUCTS SUPPLIED AND INSTALLED ARE COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM AND/OR DEVICES. THE CONTRACTOR SHALL PROVIDE THE CONTROLS SYSTEM MANUFACTURER A COPY OF ALL DRAWINGS AND SCHEDULES.</p> <p>D. PACKAGES FROM THE FOLLOWING AGENCIES WILL BE CONSIDERED: - MEDGAR.LCI (905) 312-1213 - RUTENBERG SALES (905) 848-2255 - SALEX (416) 293-2292 - WSC LIGHTING SYSTEMS (519) 652-8000</p> |
| PRODUCTS | <p>1. FINISH COLOR SHALL BE SELECTED BY ARCHITECT DURING SHOP DRAWING REVIEW.</p> <p>2. PROVIDE TOTAL RUN LENGTHS AS SHOWN ON DRAWINGS IN LINEAR FEET (L.F.).</p> <p>3. INTEGRAL BATTERY SHALL COMPLY WITH ALL APPLICABLE UL, CSA AND NATIONAL CODES AND THE RATED LIFE SHALL MATCH OR EXCEED THE RATED LIFE OF THE LED DRIVER. FIXTURE SHALL BE SUPPLIED AND INSTALLED COMPLETE WITH A CHARGE INDICATOR LIGHT AND TEST SWITCH. TEST SWITCH MAY BE EITHER INTEGRAL BUTTON TYPE OR REMOTE CONTROL. IF REMOTE CONTROL, ONE CONTROLLER SHALL BE PERMANENTLY MOUNTED IN EACH SPACE WHERE THE FIXTURE IS INSTALLED.</p> <p>4. REMOTE POWER SUPPLIES SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE CORRESPONDING FIXTURE MANUFACTURERS RECOMMENDATIONS.</p> |

| LIGHTING CONTROL NOTES | |
|------------------------|--|
| 1. | WHEN ONLY CEILING MOUNTED OCCUPANCY SENSORS ARE INDICATED, THE CONTROL SCHEME SHALL BE AUTOMATIC "ON/OFF" OF ALL LIGHTING FIXTURE WITHIN THE ROOM VIA THE SENSORS. SENSOR "OFF" DELAY SHALL BE SET AT FIFTEEN (15) MINUTES. |
| 2. | WHEN ONLY COMBINATION WALL SWITCHDIMMER AND VACANCY SENSORS ARE INDICATED, THE CONTROL SCHEME SHALL BE MANUAL "ON/OFF" AND AUTOMATIC "OFF" OF ALL LIGHTING FIXTURE WITHIN THE ROOM VIA THE VACANCY SENSOR. SENSORS "OFF" DELAY SHALL BE SET AT FIFTEEN (15) MINUTES. |
| 3. | WHEN WALL SWITCHDIMMERS AND CEILING MOUNTED OCCUPANCY SENSORS ARE INDICATED, THE CONTROL SCHEME SHALL BE MANUAL "ON/OFF" AND AUTOMATIC "OFF" OF ALL LIGHTING FIXTURES WITHIN THE ROOM CONNECTED TO THE SAME LIGHTING ZONE(S) AS THE OCCUPANCY SENSORS. SENSORS "OFF" DELAY SHALL BE SET AT FIFTEEN (15) MINUTES. |

| GENERAL NOTES | |
|---------------|--|
| 1. | ALL INFORMATION PROVIDED ON THIS SHEET MAY NOT BE IMPLEMENTED INTO THE PROJECT. |
| 2. | REFER TO FIXTURE SPECIFICATIONS FOR COMPLETE FIXTURE INFORMATION. |
| 3. | REFER TO FIXTURE MOUNTING DETAIL SHEETS FOR SPECIFIC MOUNTING CONDITIONS. |
| 4. | CONTRACTOR TO PROVIDE POWER SUPPLIES AND/OR DRIVERS FOR ALL FIXTURES SPECIFIED WITH REMOTE CONTROL GEAR. ALL REMOTE MOUNTED CONTROL GEAR SHALL BE MOUNTED OUT OF VIEW OF GUESTS. |
| 5. | CONTRACTOR TO CONFIRM ALL REMOTE CONTROL GEAR LOCATIONS WITH LANDSCAPE OR FACILITY ARCHITECT. |
| 6. | CONTRACTOR TO VERIFY EXACT MOUNTING LOCATION OF ALL ACCENT LIGHTS IN FIELD WITH LIGHTING DESIGNER. |
| 7. | UNLESS OTHERWISE INDICATED, ALL MOUNTING BOXES FOR LIGHTING FIXTURES MOUNTED TO FACADES TO BE RECESSED INTO STRUCTURE. COORDINATE JBOX LOCATION WITH OTHER TRADES. |
| 8. | INFORM CONSTRUCTION MANAGER IN WRITING IN A TIMELY WAY OF ANY DISCREPANCIES DISCOVERED. |
| 9. | CONTRACTOR TO VERIFY CONDITIONS ON WHICH THIS WORK DEPENDS IN OTHER ISSUED CONSTRUCTION DRAWINGS AND ON SITE SUCH AS BUT NOT LIMITED TO: - DIMENSIONS - LEVELS - MATERIALS - DETAILS - AVAILABILITY OF REQUIRED UTILITIES |

| ABBREVIATIONS | |
|---------------|---------------------------------|
| ABV | ABOVE |
| AFB | ABOVE FINISH FLOOR |
| AFG | ABOVE FINISH GRADE |
| ADJ | ADJUSTABLE |
| ARCH | ARCHITECTURAL |
| BLDG | BUILDING |
| BO | BY OTHERS |
| BOT | BOTTOM |
| BEL | BELOW |
| CLG | CEILING |
| CONSTR | CONSTRUCTION |
| CONTR | CONTRACTOR |
| CONT | CONTINUOUS |
| E | EAST |
| EL | ELEVATION |
| ELEC | ELECTRICAL |
| EQ | EQUAL |
| EXT | EXTERIOR |
| FL | FLOOR |
| FLUOR | FLUORESCENT |
| FT | FOOT OR FEET |
| GC | GENERAL CONTRACTOR |
| GND | GROUND |
| GR | GRADE |
| HGT | HEIGHT |
| HORIZ | HORIZONTAL |
| ID | INSIDE DIAMETER |
| IN | INCH |
| INFO | INFORMATION |
| INT | INTERIOR |
| L | LENGTH |
| LT | LIGHT |
| MFG | MANUFACTURER |
| N | NORTH |
| NL | "NIGHT LIGHT" (I.E. UNSWITCHED) |
| NO | NUMBER |
| NOM | NOMINAL |
| NTS | NOT TO SCALE |
| OC | ON CENTER |
| OD | OUTSIDE DIAMETER |
| OFOI | OWNER FURNISHED OWNER INSTALLED |
| OPP | OPPOSITE |
| OVHD | OVERHEAD |
| REV | REVISION |
| RCP | REFLECTED CEILING PLAN |
| S | SOUTH |
| SCHED | SCHEDULE |
| SECT | SECTION |
| SHT | SHEET |
| SM | SIMILAR |
| SPEC | SPECIFICATION |
| STD | NORMAL |
| STR | STRUCTURE |
| TYP | TYPICAL |
| UN | UNLESS OTHERWISE NOTED |
| W | WEST, WIDTH, OR WOOD |
| WI | WITH |
| W/O | WITHOUT |
| WP | WATERPROOF |
| TR | TRANSFORMER |
| * AFMR | SAME AS ABOVE |
| - | NOT REQUIRED / NOT APPLICABLE |

| LUMINAIRE ABBREVIATION | |
|------------------------|--------------------------------|
| A | ACCENT / AIMABLE |
| B | BOLLARD / PATH / STEP |
| C | CHARACTER |
| D | DOWNLIGHT |
| E | EFFECT / EXISTING |
| F | FLOODLIGHT / SPOTLIGHT |
| G | INGRADE |
| H | HAZARDOUS / HERITAGE / HIGHBAY |
| I | INDIRECT |
| J | JUNCTION BOX |
| K | CK/CLEAN / GASKETED |
| L | LINEAR |
| M | MULTILAMP / MILLWORK |
| N | NICHE OR COVE |
| O | (NOT USED) |
| P | POLE / PARKING |
| Q | (NOT USED) |
| R | TROFFER |
| S | SURFACE/STRIPLIGHT |
| T | TRACK |
| U | UNDERWATER |
| V | VANDAL |
| W | WORKLIGHT / WALLPACK |
| X | EXIT / EMERGENCY |
| Y | REMOTE EMERGENCY HEAD |
| Z | (USED IN ZONING) |

| CHARACTER ABBREVIATION | |
|------------------------|--------------------------------|
| B | BOLLARD OR SHORT PEDESTAL BASE |
| C | CLOSE CEILING |
| F | FAN |
| G | GAS FLAME FOR LUMINAIRE |
| L | LAMPPOST |
| M | MULTILAMP OR FESTOON LIGHTS |
| P | PENDANT |
| R | RECEPTACLE FOR LUMINAIRE PLUG |
| S | SURFACE |
| T | TABLE LAMP |
| W | WALL MOUNTED |

| LIGHTING LEGEND | |
|-------------------------------------|---|
| CONTROLS | <p>DS DAYLIGHT SENSOR.</p> <p>PC PHOTOCCELL (OUTDOOR DAYLIGHT SENSOR).</p> <p>HOH CEILING MOUNTED OCCUPANCY SENSOR. SUBSCRIPTS: H = SUITABLE FOR HIGH HUMIDITY AREA B = HIGH BAY TYPE.</p> <p>WALL/CORNER MOUNTED OCCUPANCY SENSOR.</p> <p>LINE VOLTAGE SWITCH. SUBSCRIPTS: 3 = 3-WAY, 4 = 4-WAY, D = DIMMING, P = PILOT LIGHT, M=MOTION SENSOR, T = TIME SWITCH.</p> <p>MULTIPLE SWITCHES UNDER COMMON PLATE. LETTER DESIGNATES SWITCHES.</p> <p>SWITCHING TYPE WALL STATION</p> <p>DIMMING TYPE WALL STATION</p> <p>PTN PARTITION SENSORS</p> <p>JUNCTION BOX / REMOTE POWER SUPPLY / CONTROL DEVICE</p> <p>SURFACE/RECESSED MOUNTED.</p> <p>WALL MOUNTED.</p> <p>SUBSCRIPT DENOTES TYPE. REFER TO LIGHTING FIXTURE SCHEDULE.</p> |
| TAGS | <p>MH-0000 LIGHTING FIXTURE MOUNTING HEIGHT TAG. DENOTES MOUNTING HEIGHT FROM FINISHED FLOOR TO UNDERSIDE OF FIXTURE. FIXTURE MOUNTING HEIGHTS TO BE DETERMINED ON SITE ARE DENOTED "OS".</p> <p>FIXTURE TYPE INDICATOR (SEE FIXTURE SCHEDULE) VARIATION PRODUCT TYPE CATEGORY</p> <p>CONTROL ZONE TAG ZONE No.1</p> |
| ACCENT | <p>SURFACE MOUNTED</p> <p>WALL MOUNTED</p> <p>TRACK/STRUT/PIPE MOUNTED</p> <p>PLUG-IN SURFACE MOUNTED</p> |
| DOWNLIGHT | <p>ROUND RECESSED MOUNTED</p> <p>ROUND SURFACE MOUNTED</p> <p>SQUARE RECESSED MOUNTED</p> <p>SQUARE SURFACE MOUNTED</p> <p>ROUND ADJUSTABLE RECESSED MOUNTED</p> <p>SQUARE ADJUSTABLE RECESSED MOUNTED</p> |
| CHARACTER | <p>SURFACE MOUNTED</p> <p>PENDANT MOUNTED</p> <p>WALL MOUNTED</p> <p>BASE MOUNTED</p> <p>BASE MOUNTED ONE HEAD</p> <p>BASE MOUNTED TWO HEAD</p> |
| EMERGENCY / GENERIC | <p>EMERGENCY BATTERY UNIT. SYMBOL IS GENERIC. REFER TO SPECIFICATIONS FOR TYPES.</p> <p>WALL MOUNT LUMINAIRE OR REMOTE EMERGENCY HEAD</p> <p>RECESSED CEILING MOUNT LUMINAIRE OR REMOTE EMERGENCY HEAD</p> |
| IN-GRADE | <p>IN-GRADE</p> <p>IN-GRADE DIRECTIONAL</p> |
| POLE / PATH | <p>BOLLARD</p> <p>STEPLIGHT SURFACE MOUNTED</p> <p>STEPLIGHT RECESSED MOUNTED</p> <p>POLE - SINGLE HEAD</p> <p>POLE - DOUBLE HEAD</p> |
| FAN | <p>SURFACE MOUNTED</p> <p>PENDANT MOUNTED</p> <p>WALL MOUNTED</p> <p>CEILING MOUNTED LIGHT</p> |
| NICHE | <p>LED</p> <p>FIBER OPTIC</p> <p>MULTILAMP STRING</p> |
| ARCHITECTURAL LINEAR / STRIP | <p>CEILING / UNDERCABINET</p> <p>SUSPENDED INDIRECT/DIRECT</p> <p>WALL</p> |
| THEATRICAL | <p>LEKO</p> <p>FOLLOW SPOT</p> <p>MIRROR MIRROR</p> <p>PAR</p> <p>FRESNEL</p> <p>BEAM PROJECTOR</p> <p>SCOOP</p> <p>MOVING YOKE SPOT</p> <p>MOVING YOKE WASH</p> |
| SPECIALTY | <p>SURFACE MOUNTED</p> <p>WALL MOUNTED</p> <p>TRACK/STRUT/PIPE MOUNTED</p> <p>PLUG-IN SURFACE MOUNTED</p> <p>MOVING PENDANT MOUNTED</p> <p>UNDERWATER NICHE</p> <p>UNDERWATER SURFACE MOUNTED</p> <p>FIBER OPTIC GENERAL MOUNTED</p> <p>FIBER OPTIC ENDPOINT</p> |
| EXIT SIGNS | <p>ARROWS INDICATE DIRECTION</p> <p>CEILING MOUNT, SINGLE FACE</p> <p>CEILING MOUNT, DOUBLE FACE</p> <p>WALL MOUNT, SINGLE FACE</p> <p>WALL MOUNT, DOUBLE FACE</p> <p>END WALL MOUNT, DOUBLE FACE</p> |

Client
Halton District School Board
 2050 Guelph Line
 Burlington, Ontario

T.A. BLAKELOCK H.S. RENOVATION

1160 Rebecca Street, Oakville, ON L6L 1Y9

Architect
sn/der
 Snyder Architects Inc.
 265 King St. E. Unit A101 Toronto, ON M5A 4E3
 tel. 416.966.5444 fax. 416.966.4443
 www.snyderarchitects.ca

Consultants

Structural Consultants
Kalos Engineering Inc.
 875 Main St. W. Unit 3
 Hamilton, Ontario L8S 4P9
 Tel: 905-333-9119

Mechanical and Electrical Consultants
EXP
 1266 S. Service Rd.
 Stoney Creek, Ontario, L8E 5R9
 Tel: 905-525-6069

Professional Engineer
J. M. POTALIVO
 100153872
 Mar. 10/23
 PROVINCE OF ONTARIO

Key Plan N.T.S.

Project North True North

| No. | Revisions | Date |
|-----|------------------------|------------|
| 1 | ISSUED FOR BIDS/PERMIT | 2023.03.10 |
| No. | Issue | Date |

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

Drawing Title:
LIGHTING LEGEND AND FIXTURES SCHEDULE

Scale: - Date: 05/01/2023

Drawn by: M.O. Checked by: J.P.

Job No. 2215A Drawing No. E001

GENERAL NOTES

1. REFER TO LIGHTING CONTROLS NOTE ON DRAWING E001.

DRAWING NOTES

- 1 UNLESS INDICATED OTHERWISE, WIRE ALL NEW LIGHTING FIXTURE IN THIS ROOM TO EXISTING ROOM LIGHTING BRANCH CIRCUIT WIRING MADE AVAILABLE/SPARE BY THE DEMOLITION AND THROUGH NEW LIGHTING CONTROL DEVICES AND CONTROL ZONES AS INDICATED ON PLANS. MODIFY AND EXTEND EXISTING BRANCH CIRCUIT WIRING AS REQUIRED.
- 2 INSTALL INSIDE DISPLAY CABINET, ON TOP OF CABINET AND CONNECT TO EXISTING, SWITCHED CORRIDOR LIGHTING BRANCH CIRCUIT AND CONTROLS.
- 3 SUSPEND FIXTURES SO THAT UNDERSIDE OF FIXTURES IS AT 2500mm ABOVE FINISHED FLOOR. CONFIRM EXACT SUSPENSION CABLES LENGTH ON SITE PRIOR TO ORDERING.

Client
Halton District School Board
 2050 Guelph Line
 Burlington, Ontario

**T.A. BLAKELOCK H.S.
 RENOVATION**

1160 Rebecca Street, Oakville, ON
 L6L 1Y9

Architect

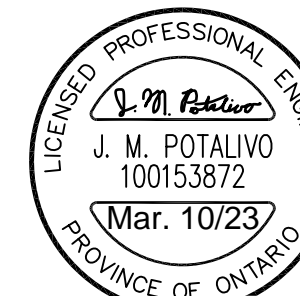
sn/der

Snyder Architects Inc.
 265 King St. E. Unit #101 Toronto, ON M5A 4L5
 tel. 416.966.5444 fax. 416.966.4443
 www.snyderarchitects.ca

Consultants

Structural Consultants
Kalos Engineering Inc.
 875 Main St. W. Unit 3
 Hamilton, Ontario L8S 4P9
 Tel: 905-333-9119

Mechanical and Electrical Consultants
EXP
 1266 S. Service Rd.
 Stoney Creek, Ontario, L8E 5R9
 Tel: 905-525-6069



Key Plan N.T.S.



Project North True North

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Disclaimer:
 This drawing is being issued at this time in response to a request made by a sub-contractor. The burden of coordinating the information contained in this drawing rests solely on the sub-contractor. The information included in this drawing is subject to change without notice and the Architect does not assume any liability for its content.

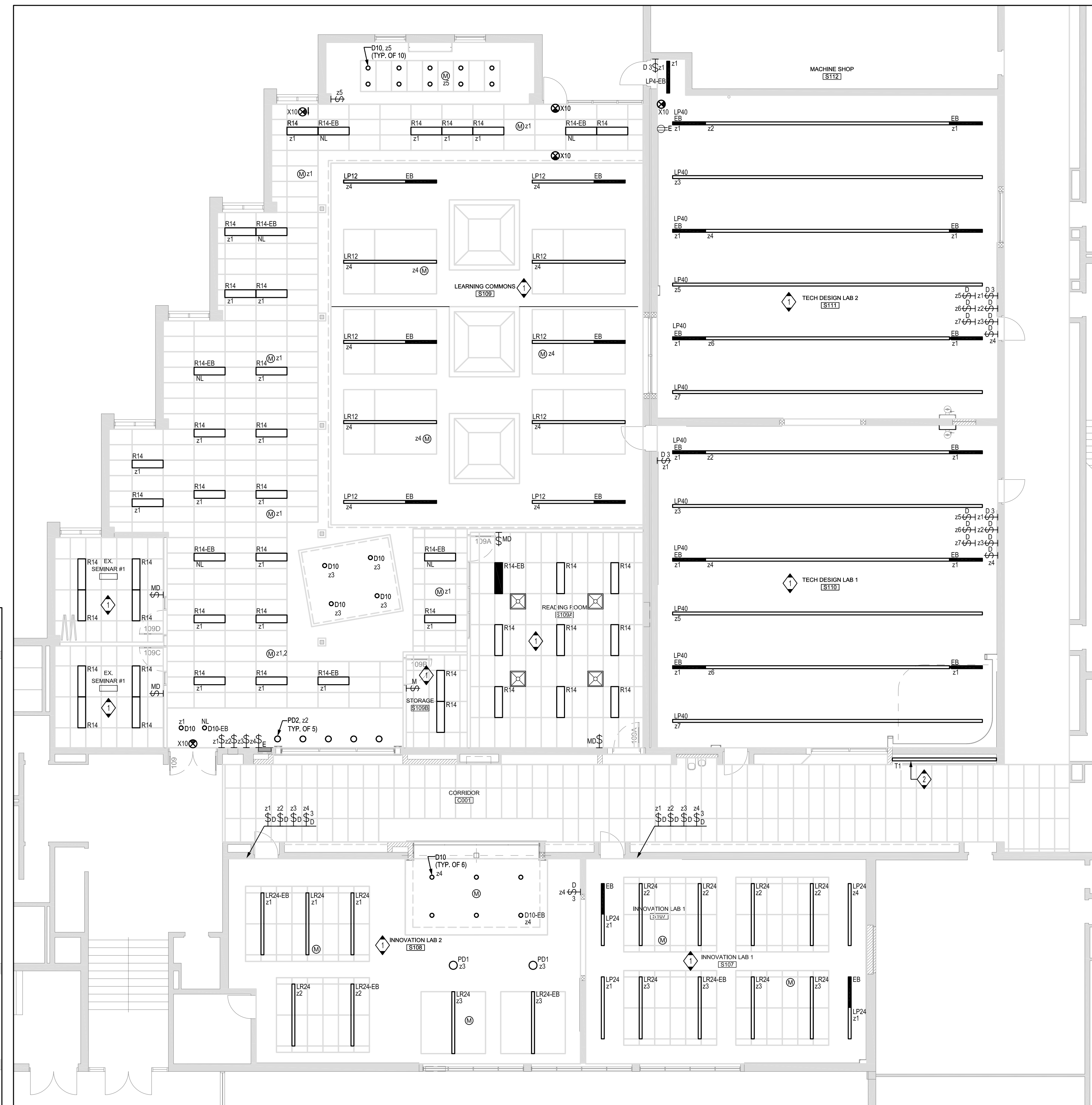
Drawing Title:
**LEVEL 0 LIGHTING
 RENOVATION PLANS**

Scale: 1:100 Date: 05/01/2023

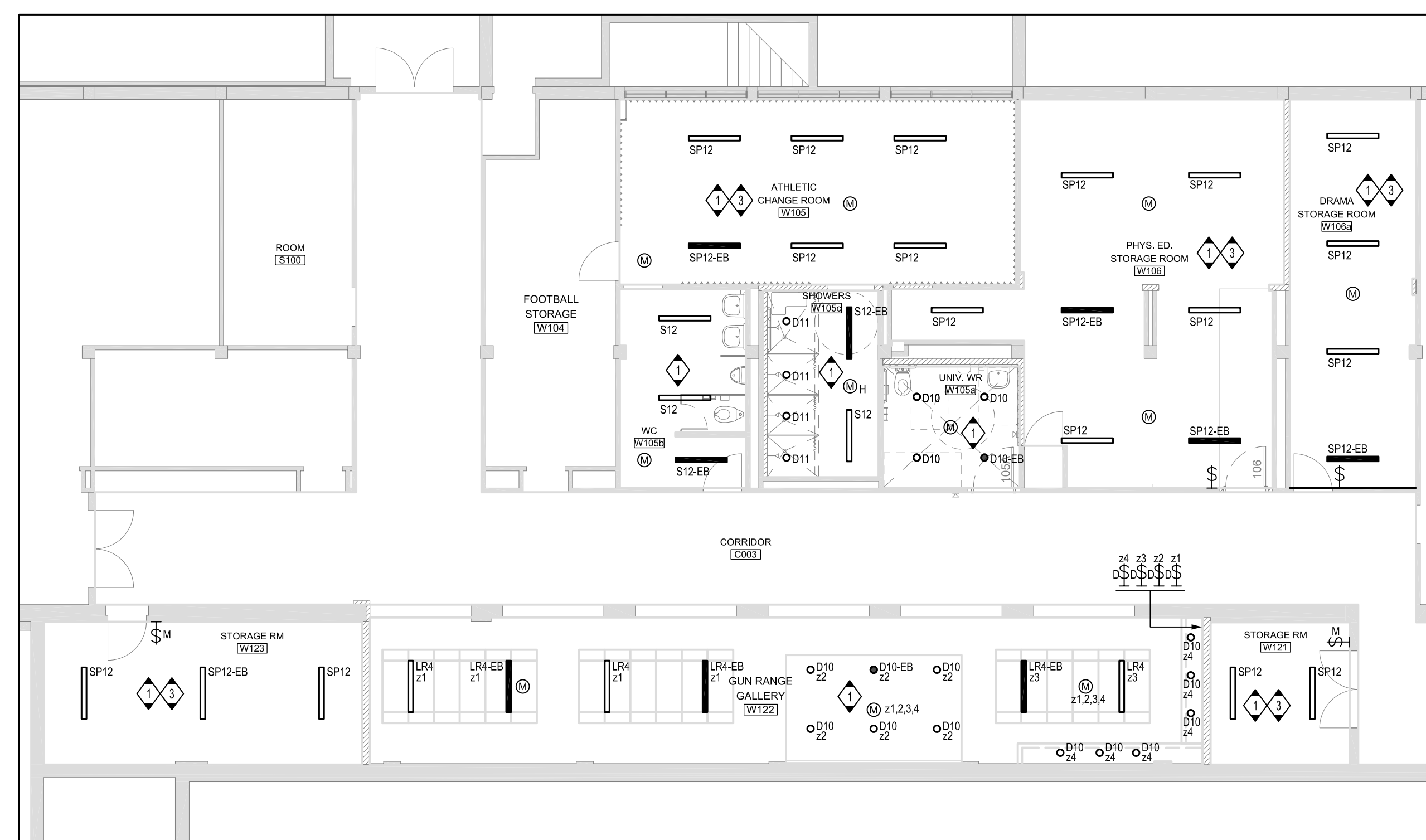
Drawn by: M.O. Checked by: J.P.

Job No. Drawing No.

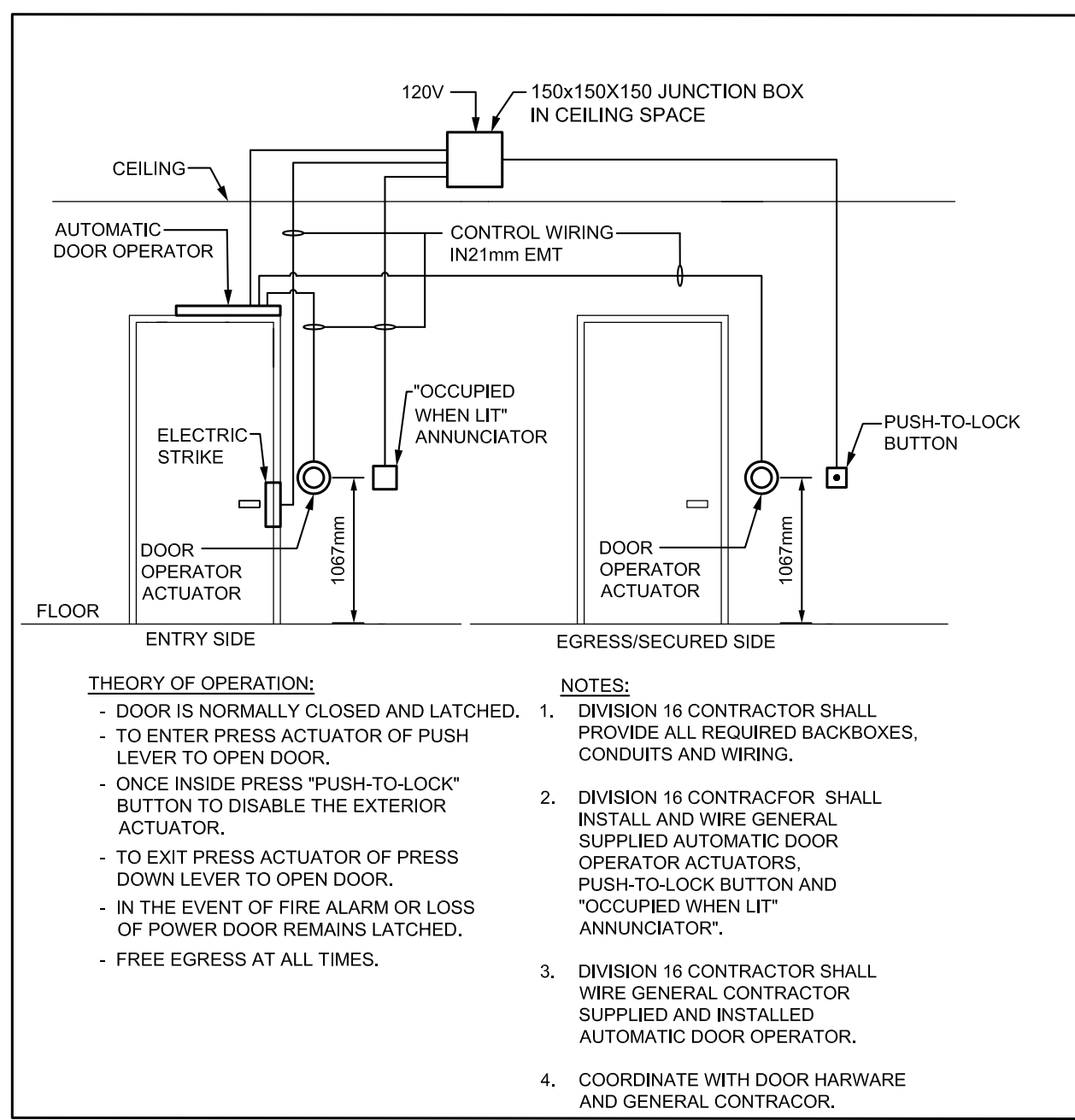
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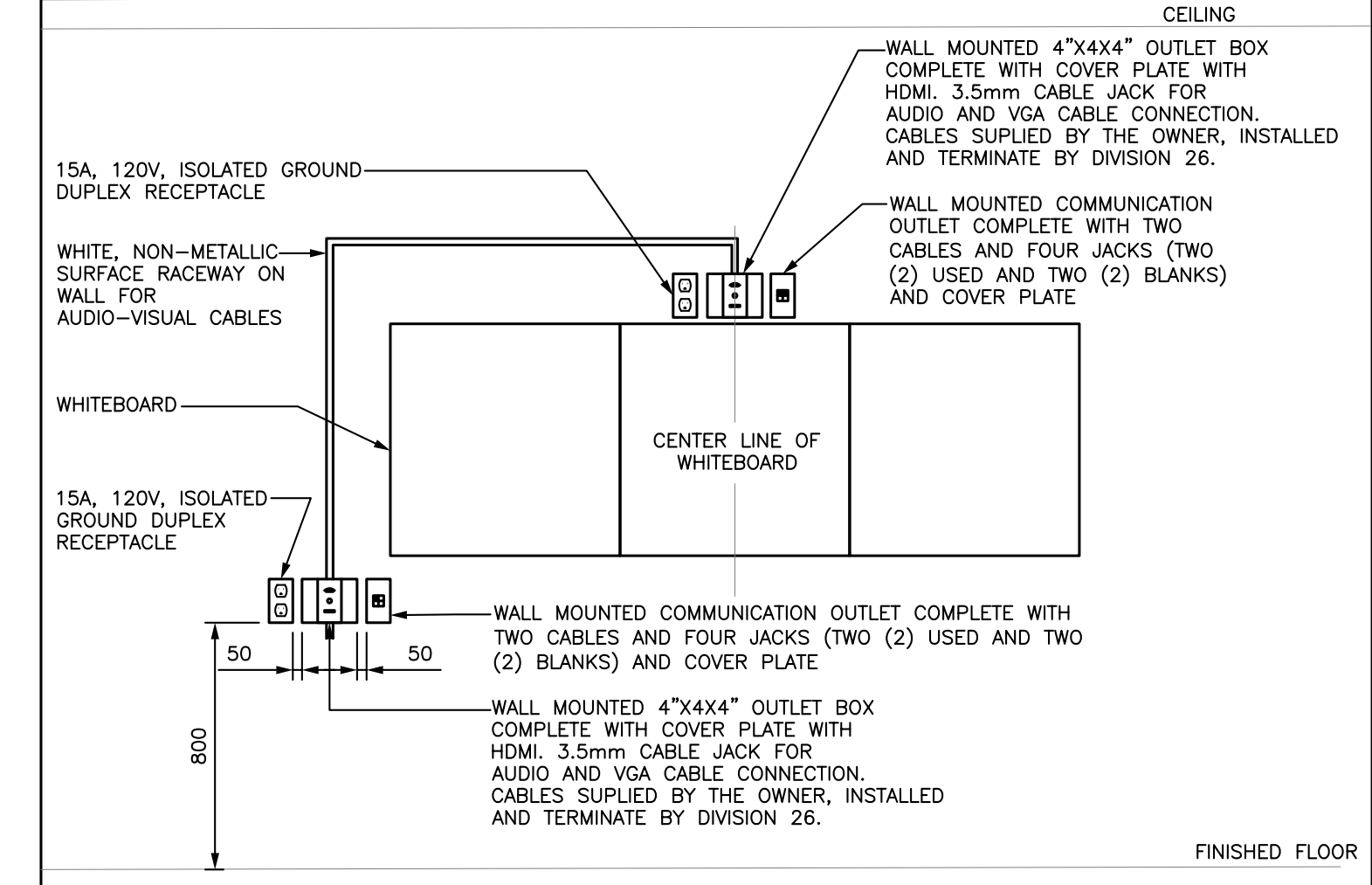
1 LEVEL 0 PARTIAL LIGHTING RENOVATION PLAN
 E201 1:100



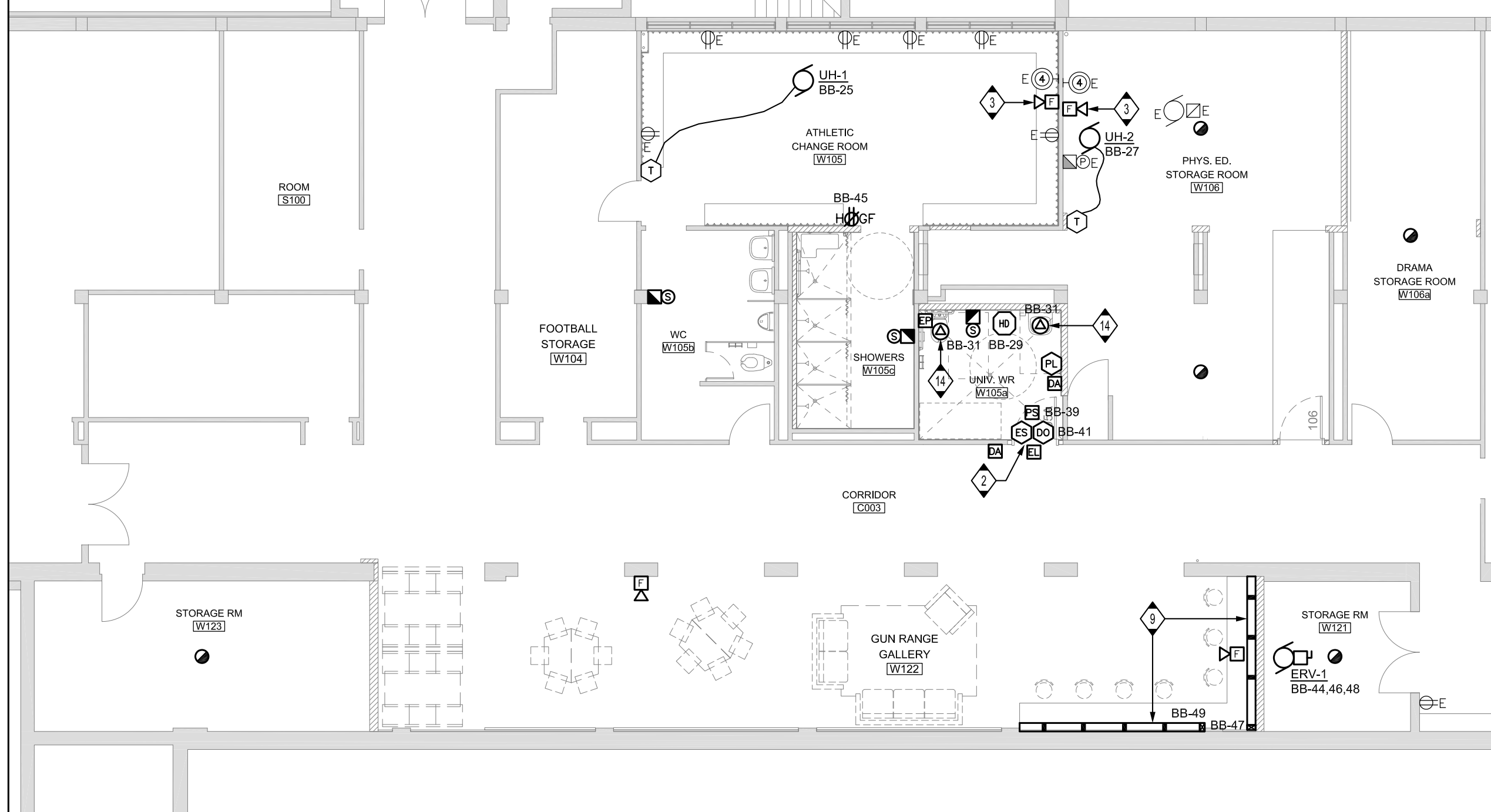
2 LEVEL 0 PARTIAL LIGHTING RENOVATION PLAN
 E201 1:100



4 UNIVERSAL W/R DOOR HARDWARE WIRING DETAIL
E301 N.T.S.



3 SHORT-THROW PROJECTOR INSTALLATION AND WIRING DETAIL
E301 N.T.S.



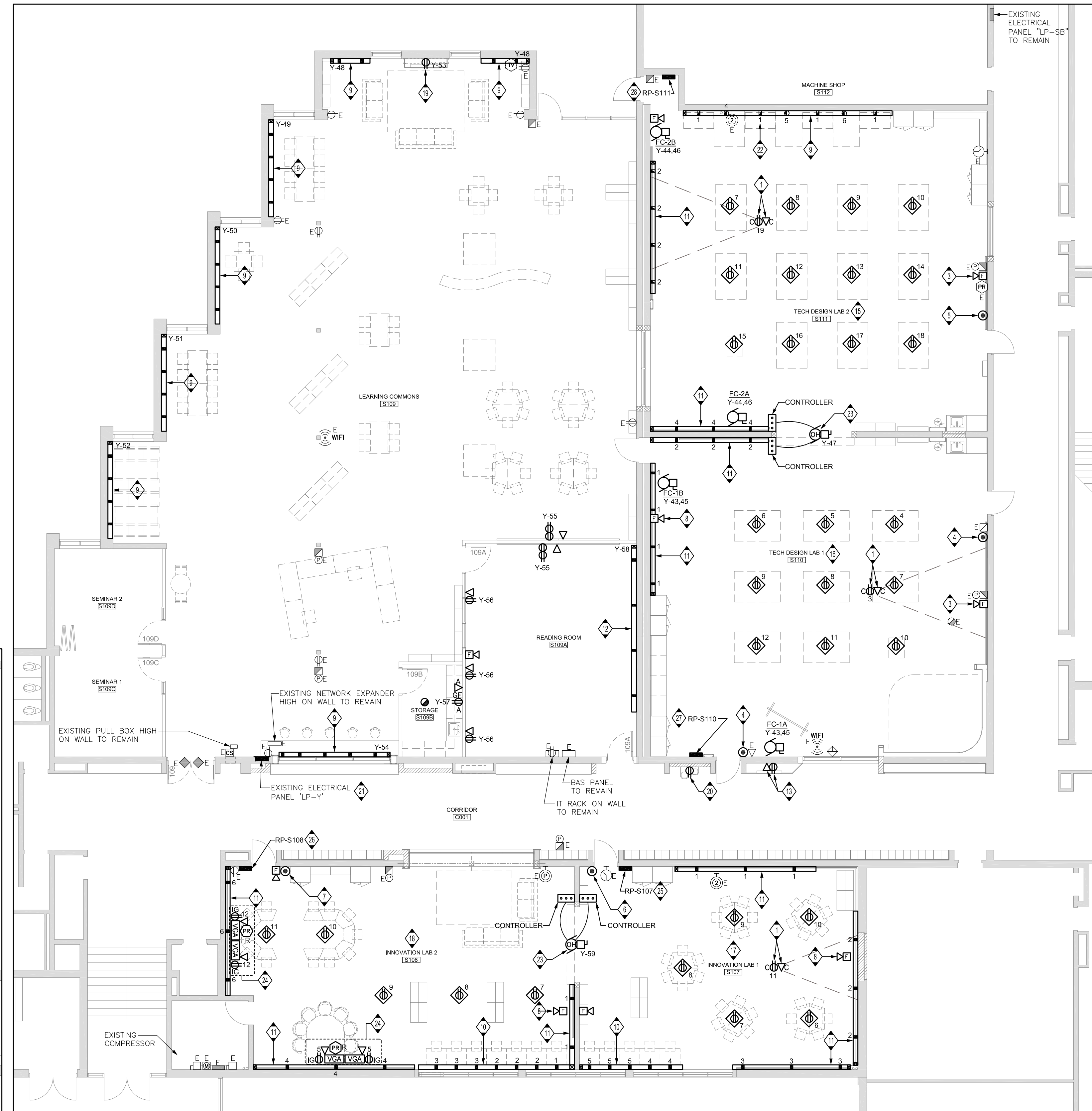
2 LEVEL 0 PARTIAL POWER & SYSTEMS RENOVATION PLAN
E301 1:100

DRAWING NOTES

1. FOR CEILING MOUNTED PROJECTOR, CONFIRM EXACT LOCATION WITH GENERAL CONTRACTOR PRIOR TO ROUGH-INS. PROJECTOR SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR.
2. SEE UNIVERSAL W/R DOOR HARDWARE WIRING DETAIL ON THIS DRAWING.
3. REPLACE EXISTING FIRE ALARM HORN WITH NEW COMBINATION HORN/STROBE AND MODIFY EXISTING WIRING AS REQUIRED AND CONNECT. REFER TO SECTION 26 31 00.
4. REPLACE EXISTING PUSHBUTTON WITH NEW PUSHBUTTON AND MODIFY EXISTING WIRING AS REQUIRED AND CONNECT TO PANEL RP-S110 CONTACTOR CONTROL CIRCUIT FOR EMERGENCY PANEL POWER-OFF AND RESET. REFER TO SECTION 26 27 26.
5. WIRE PUSHBUTTON TO PANEL RP-S111 CONTACTOR CONTROL CIRCUIT FOR EMERGENCY PANEL POWER-OFF AND RESET. REFER TO SECTION 26 27 26.
6. WIRE PUSHBUTTON TO PANEL RP-S107 CONTACTOR CONTROL CIRCUIT FOR EMERGENCY PANEL POWER-OFF AND RESET. REFER TO SECTION 26 27 26.
7. WIRE PUSHBUTTON TO PANEL RP-S108 CONTACTOR CONTROL CIRCUIT FOR EMERGENCY PANEL POWER-OFF AND RESET. REFER TO SECTION 26 27 26.
8. MOUNT ON WALL DIRECTLY ABOVE THE DRY-ERASE WALL COVER. REFER TO ARCHITECTURAL ELEVATIONS AND DETAILS.
9. INSTALL ON WALL WITH BOTTOM OF RACEWAY AT 1000mm ABOVE FINISHED FLOOR.
10. INSTALL ON WALL WITH BOTTOM OF RACEWAY AT 915mm ABOVE FINISHED FLOOR.
11. INSTALL ON WALL WITH TOP OF RACEWAY AT 300mm ABOVE FINISHED FLOOR.
12. INSTALL ON WALL WITH CENTRE OF RACEWAY AT 4500mm ABOVE FINISHED FLOOR.
13. FOR GENERAL CONTRACTOR SUPPLIED AND INSTALL TV MONITOR, MOUNT AT 1525 ABOVE FINISHED FLOOR TO CENTRE OF OUTLET. COORDINATE INSTALLATION ON SITE WITH GENERAL CONTRACTOR.
14. PROVIDE A 15A, 120V BRANCH CIRCUIT FOR HANDS-FREE OPERATION LAVATORY AND TOILET AS SHOWN ON PLAN. TERMINATE BRANCH CIRCUIT TO PRIMARY SIDE OF MECHANICAL CONTRACTOR SUPPLIED AND INSTALLED CONTROL TRANSFORMER IN CEILING SPACE ABOVE LAVATORY AND TOILET. HANDS-FREE DEVICES AND WIRING INCLUDING LOW VOLTAGE WIRING FROM SECONDARY SIDE OF TRANSFORMER TO DEVICES SHALL BE BY MECHANICAL CONTRACTOR. COORDINATE TRANSFORMER LOCATION ON SITE WITH MECHANICAL PRIOR TO ROUGH-IN.
15. ALL NEW CIRCUIT NUMBERS SHOWN IN THE ROOM FOR RECEPTACLES INCLUDING THOSE IN WALL RACEWAYS ARE FROM PANEL RP-S111.
16. ALL NEW CIRCUIT NUMBERS SHOWN IN THIS ROOM FOR RECEPTACLES INCLUDING THOSE IN WALL RACEWAYS ARE FROM PANEL RP-S110.
17. ALL NEW CIRCUIT NUMBERS SHOWN IN THIS ROOM FOR RECEPTACLES INCLUDING THOSE IN WALL RACEWAYS ARE FROM PANEL RP-S107.
18. ALL NEW CIRCUIT NUMBERS SHOWN IN THIS ROOM FOR RECEPTACLES INCLUDING THOSE IN WALL RACEWAYS ARE FROM PANEL RP-S108.
19. FOR GENERAL CONTRACTOR SUPPLIED AND INSTALLED ELECTRIC FIREPLACE, CONFIRM EXACT LOCATION OF RECEPTACLE ON SITE WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
20. FOR GENERAL CONTRACTOR SUPPLIED AND INSTALLED REFRIGERATED DRINKING FOUNTAIN/WATER BOTTLE FILLING STATION, CONFIRM EXACT LOCATION OF RECEPTACLE ON SITE WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
21. DISCONNECT EXISTING PANEL MAIN FEEDER AND OF EXISTING TO REMAIN MAINS AND BREAKERS AND CONNECT NEW LOADS TO PANEL AS SHOWN ON PLANS. REFER TO NEW PANEL "LP-Y" SCHEDULE ON DRAWING E400. CONFIRM EXACT SCOPE ON SITE.
22. TYPICAL BRANCH CIRCUIT IDENTIFICATION FOR PANELS IN ROOMS S107, S108, S110 AND S111, (I.E. CIRCUIT NO. 1, PANEL RP-S111).
23. OVERHEAD DOOR COMPLETE WITH OPERATOR AND DEVICES (I.E. CONTROLLER, SENSORS, SWITCHES, ETC.) SHALL BE SUPPLIED, INSTALLED AND WIRED BY THE DOOR SUPPLIER. DIVISION 26 CONTRACTOR SHALL WIRE POWER TO OPERATOR AND CONTROL WIRING FROM OPERATOR TO CONTROLLER PER DOOR SUPPLIER'S RECOMMENDATIONS. COORDINATE WITH DOOR SUPPLIER ON SITE PRIOR TO ROUGH-INS.
24. SEE SHORT-THROW PROJECTOR INSTALLATION AND WIRING DETAIL ON THIS DRAWING.
25. NEW ELECTRICAL PANEL RP-S107, SEE PANEL SCHEDULE ON DRAWING E400. FEED NEW PANEL FROM EXISTING DISCONNECT SWITCH TAGGED AS "ELECTRONIC SHOPS" IN EXISTING MAIN SERVICE ENTRANCE SWITCHBOARD ON LEVEL 0. RE-USE EXISTING FEEDER AND CONDUITS AND MODIFY. EXTEND AND RE-ROUTE AS REQUIRED AND CONNECT TO NEW PANEL. REPLACE EXISTING LAMACOID NAMEPLATE ON EXISTING DISCONNECT SWITCH WITH NEW MATCHING EXISTING WITH THE INSCRIPTION "PANEL RP-S107".
26. NEW ELECTRICAL PANEL RP-S108, SEE PANEL SCHEDULE ON DRAWING E400. FEED NEW PANEL FROM EXISTING DISCONNECT SWITCH TAGGED AS "INDUSTRIAL PHYSICS" IN EXISTING MAIN SERVICE ENTRANCE SWITCHBOARD ON LEVEL 0. RE-USE EXISTING FEEDER AND CONDUITS AND MODIFY. EXTEND AND RE-ROUTE AS REQUIRED AND CONNECT TO NEW PANEL. REPLACE EXISTING LAMACOID NAMEPLATE ON EXISTING DISCONNECT SWITCH WITH NEW MATCHING EXISTING WITH THE INSCRIPTION "PANEL RP-S108".
27. NEW ELECTRICAL PANEL RP-S110, SEE PANEL SCHEDULE ON DRAWING E400. FEED NEW PANEL FROM EXISTING DISCONNECT SWITCH TAGGED AS "ELECTRONIC SHOPS" IN EXISTING MAIN SERVICE ENTRANCE SWITCHBOARD ON LEVEL 0. RE-USE EXISTING FEEDER AND CONDUITS AND MODIFY. EXTEND AND RE-ROUTE AS REQUIRED AND CONNECT TO NEW PANEL. REPLACE EXISTING LAMACOID NAMEPLATE ON EXISTING DISCONNECT SWITCH WITH NEW MATCHING EXISTING WITH THE INSCRIPTION "PANEL RP-S110".
28. NEW ELECTRICAL PANEL RP-S111, SEE PANEL SCHEDULE ON DRAWING E400. FEED NEW PANEL FROM EXISTING DISCONNECT SWITCH TAGGED AS "ELECTRONIC SHOPS" IN EXISTING MAIN SERVICE ENTRANCE SWITCHBOARD ON LEVEL 0. RE-USE EXISTING FEEDER AND CONDUITS AND MODIFY. EXTEND AND RE-ROUTE AS REQUIRED AND CONNECT TO NEW PANEL. REPLACE EXISTING LAMACOID NAMEPLATE ON EXISTING DISCONNECT SWITCH WITH NEW MATCHING EXISTING WITH THE INSCRIPTION "PANEL RP-S111".

GENERAL NOTES

1. REFER TO DRAWING ME300 FOR MECHANICAL AND ELECTRICAL EQUIPMENT SCHEDULES AND WIRING DETAILS.
2. PRIOR TO BIDDING, ELECTRICAL CONTRACTOR SHALL VISIT SITE AND BE FAMILIAR WITH ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO EQUIPMENT LOCATIONS AND OTHER POSSIBLE INSTALLATION DIFFICULTIES. PAY AND OBTAIN ANY PERMITS REQUIRED INCLUDING ESA.
3. CONTRACTOR SHALL ACCOUNT FOR POSSIBLE DAMAGE AND REPAIR TO EXISTING CEILING AND LIGHT FIXTURES. ALL MAIN CONDUIT RUNS SHALL BE IN CORRIDOR CEILING SPACE.
4. ALL NEW RECEPTACLES IN THE SCHOOL SHALL BE TAMPER RESISTANT TYPE.
5. REMOVE AND RE-INSTALL ALL REQUIRED T-BAR OR DRY TYPE CEILING TO FACILITATE ELECTRICAL INSTALLATIONS. ANY DAMAGES TO T-BAR SHALL BE RE-INSTATED.
6. CONTRACTOR SHALL ACCOUNT FOR POSSIBLE DAMAGE AND REPAIR TO CEILING TILES FOR CONDUIT RUNS FROM PANELS TO NEW ELECTRICAL DEVICES.
7. COORDINATE ALL REQUIRED POWER SHUT-DOWNS WITH THE SCHOOL BOARD. PROVIDE A ONE (1) WEEK NOTICE PRIOR TO ANY SHUT-DOWN AND PERFORM ALL REQUIRED WORK OUTSIDE OF REGULAR SCHOOL HOURS OF OPERATION AND OR ON WEEKENDS AND AT PREMIUM TIME.



1 LEVEL 0 PARTIAL POWER & SYSTEMS RENOVATION PLAN
E302 1:100

Client
Halton District School Board
2050 Guelph Line
Burlington, Ontario

T.A. BLAKELOCK H.S.
RENOVATION

1160 Rebecca Street, Oakville, ON
L6L 1Y9

Architect
sn/der
Snyder Architects Inc.
295 King St. E. Unit A101, Toronto, ON M5A 4L2
tel. 416.966.5444 fax. 416.966.4443
www.snyderarchitects.ca

Consultants

Structural Consultants
Kalos Engineering Inc.
875 Main St. W. Unit 3
Hamilton, Ontario L8S 4P9
Tel: 905-333-9119

Mechanical and Electrical Consultants
EXP
1266 S. Service Rd.
Stoney Creek, Ontario, L8E 5R9
Tel: 905-525-6069

LICENSED PROFESSIONAL ENGINEER
J. M. POTALIVO
100153872
Mar. 10/23
PROVINCE OF ONTARIO

Key Plan N.T.S.

Project North True North

| No. | Revisions | Date |
|-----|------------------------|------------|
| 1 | ISSUED FOR BIDS/PERMIT | 2023.03.10 |
| No. | Issue | Date |

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

Disclaimer:
This drawing is being issued at this time in response to a request made by a sub-contractor. The burden of coordinating the information contained in this drawing rests solely on the sub-contractor. The information included in this drawing is subject to change without notice and the Architect does not assume any liability for its content.

Drawing Title:
LEVEL 0 POWER & SYSTEMS RENOVATION PLANS

Scale: 1:100 Date: 05/01/2023

Drawn by: M.O. Checked by: J.P.

Job No. Drawing No.

2215A E301

