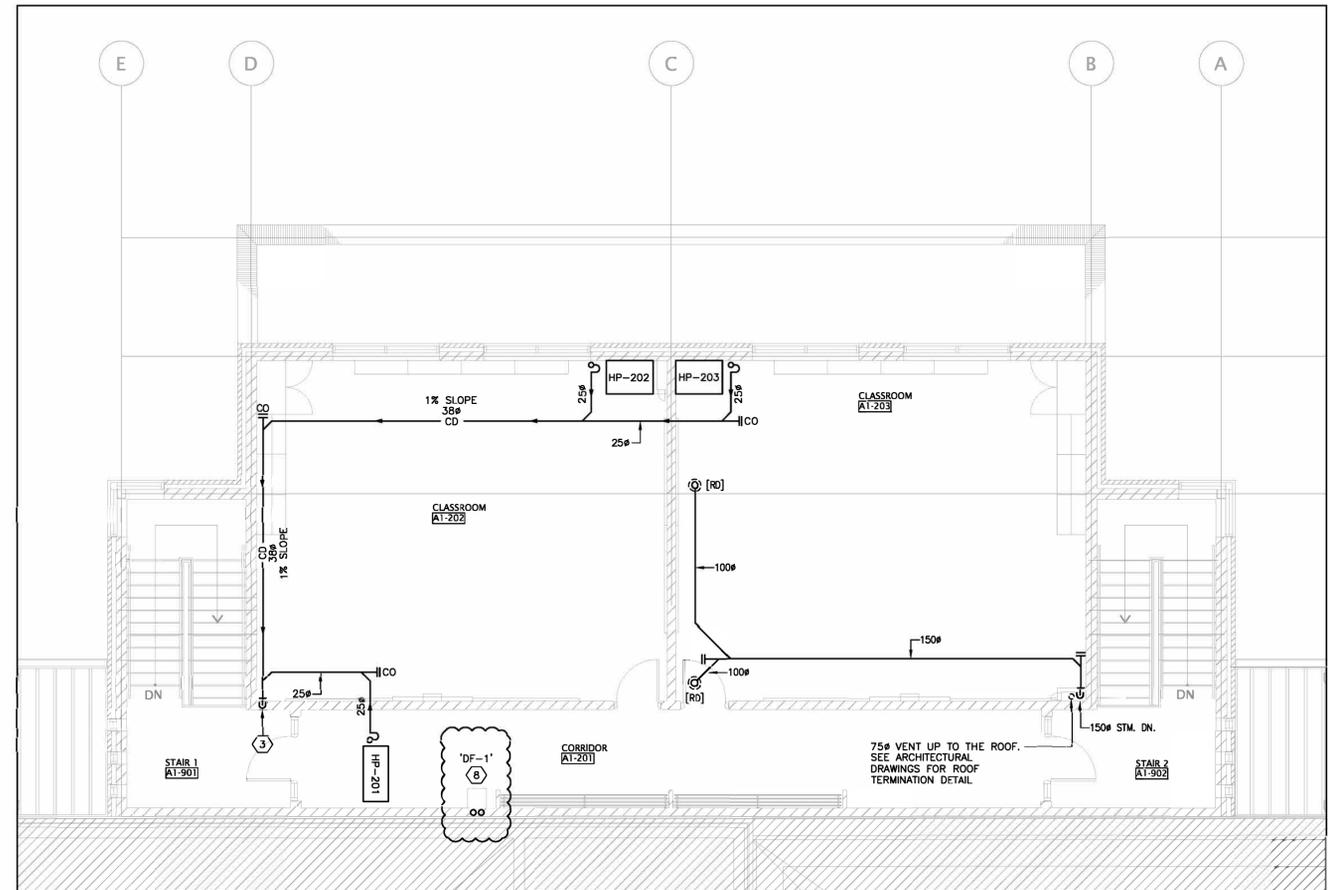
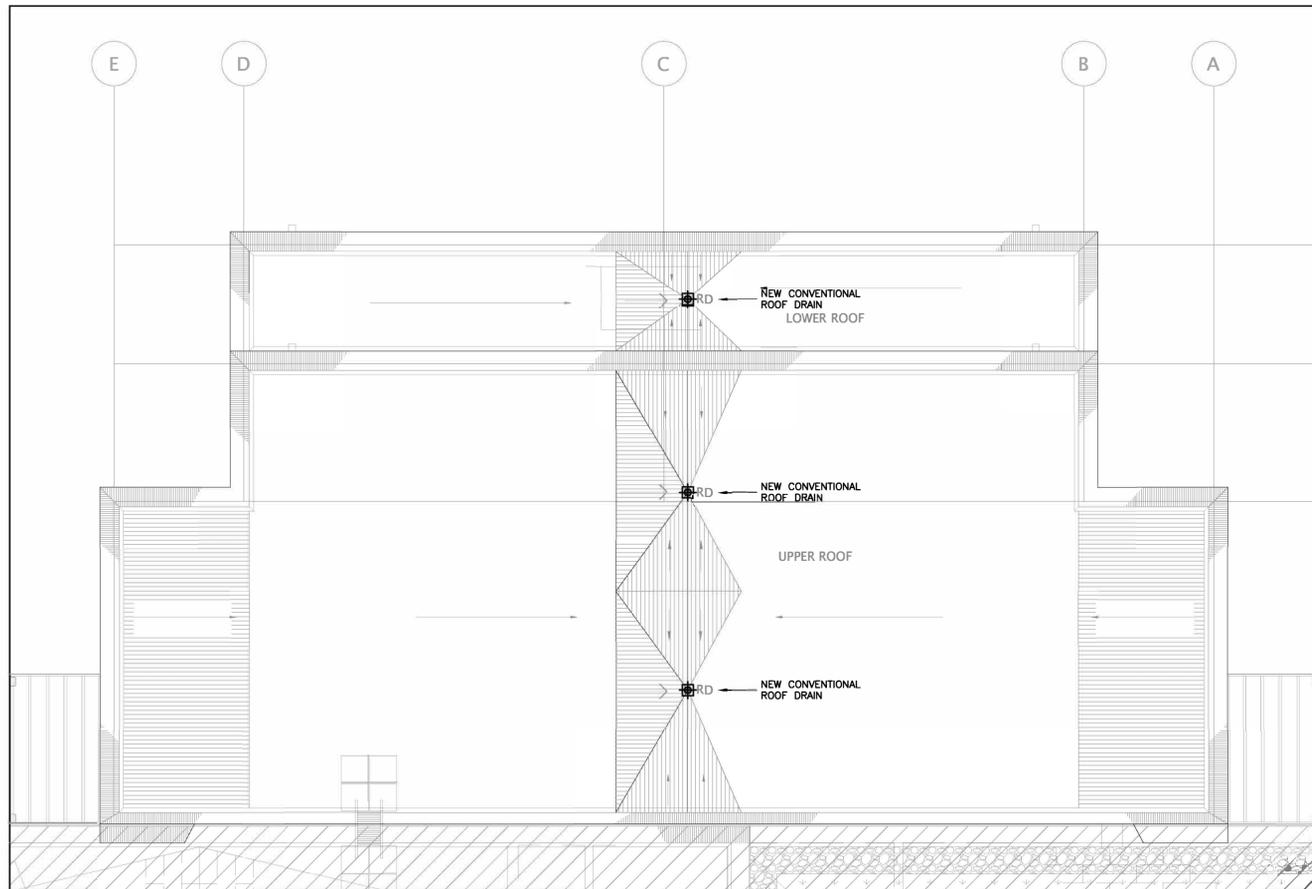


1 NEW PLUMBING & DRAINAGE PLAN - FIRST FLOOR ADDITION
M4 SCALE: 1:75



2 NEW PLUMBING & DRAINAGE PLAN - SECOND FLOOR ADDITION
M4 SCALE: 1:75



3 NEW ROOF DRAINAGE PLAN - ADDITION
M4 SCALE: 1:75

- DRAWING NOTES:**
- CONNECT THE NEW 150mm BURIED STORM TO THE EXISTING 150mm BURIED STORM PIPING AT INVERT 97.5. PRIOR TO STARTING ANY WORK AND AT THE ONSET OF THE PROJECT, CAMERA SCOPE THE EXISTING DRAIN AND VERIFY ITS EXACT LOCATION AND DEPTH. ADVISE THE ENGINEER OF THE FINDINGS PRIOR TO STARTING ANY NEW UNDERGROUND WORK OR FLOOR CUTTING.
 - CONNECT THE NEW 100mm BURIED SANITARY TO THE EXISTING 100mm BURIED SANITARY PIPING AT INVERT 97.5. PRIOR TO STARTING ANY WORK AND AT THE ONSET OF THE PROJECT, CAMERA SCOPE THE EXISTING DRAIN AND VERIFY ITS EXACT LOCATION AND DEPTH. ADVISE THE ENGINEER OF THE FINDINGS PRIOR TO STARTING ANY NEW UNDERGROUND WORK OR FLOOR CUTTING.
 - RUN 38mm CONDENSATE DRAIN DOWN TO THE FIRST FLOOR CEILING SPACE.
 - 38mm CONDENSATE FROM THE SECOND FLOOR TO THE FIRST FLOOR CEILING SPACE. DRAIN TO THE NEW FUNNEL FLOOR DRAIN ALONGSIDE WITH THE 38mm CONDENSATE FROM THE FIRST FLOOR HEAT PUMPS.
 - PROVIDE A NEW 75mm FUNNEL DRAIN IN THE CEILING SPACE TO SERVE THE CONDENSATE FROM ALL HEAT PUMPS. PROVIDE A NEW 50mm CONDENSATE DRAIN COMBINING THE 38mm CONDENSATE DRAIN FROM THE FIRST FLOOR AND THE SECOND FLOOR. VENT THE DRAIN AS PER OBC. PROVIDE AN ELECTRONIC TRAP SEAL PRIMER.
 - AT THE CONNECTION POINT OF THE ADDITION TO THE EXISTING BUILDING BY VESTIBULE 101A, THERE IS AN EXISTING NON-FREEZE HOSE BIBB IN A RECESSED ENCLOSURE. RELOCATE THE NON-FREEZE HOSE BIBB TO WHERE SHOWN. ALLOW FOR 65' OF 19MM DOMESTIC COLD WATER PIPING FROM THE CEILING SPACE OF SERVERY (119) BESIDE THE GYM) TO THE NEW HOSE BIBB LOCATION.
 - AT THE CONNECTION POINT OF THE ADDITION TO THE EXISTING BUILDING BY VESTIBULE 101A, THERE IS AN EXISTING NATURAL GAS CONNECTION IN A RECESSED ENCLOSURE. RELOCATE THE NATURAL GAS CONNECTION & WALL BOX TO WHERE SHOWN. PAINT AND IDENTIFY THE GAS LINE AS PER GAS CODE. COMPLETE ALL WORK AS PER THE GAS CODE.
 - PROVIDE A NEW WALL-MOUNTED DRINKING FOUNTAIN 'DF-1'. PROVIDE 12mm DCW PIPING. RUN DRAINAGE ABOVE-GRADE FROM THE DRINKING FOUNTAIN AND CONNECT TO THE WASTE OF THE SINK IN THE SERVERY AS PERMITTED BY OBC. PROVIDE VENT PIPING AS PER OBC.

| NO. | DATE | REVISION |
|-----|----------|------------------------------|
| 11 | 05/02/24 | ISSUED FOR CONSTRUCTION |
| 8 | 07/22/24 | ISSUED FOR CONSTRUCTION |
| 7 | 04/04/24 | ISSUED FOR TENDER |
| 6 | 02/28/24 | ISSUED FOR TENDER |
| 5 | 07/10/23 | ISSUED FOR TENDER |
| 4 | 02/22/23 | RE-ISSUED FOR PERMIT |
| 3 | 02/10/23 | ISSUED FOR PERMIT |
| 2 | 01/20/23 | ISSUED FOR 80% DESIGN REVIEW |
| 1 | 10/21/22 | ISSUED FOR 60% DESIGN REVIEW |

DO NOT SCALE DRAWINGS. ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON THE JOB. ALL DRAWINGS REMAIN THE PROPERTY OF THE ARCHITECTS.

- GENERAL NOTES**
- ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, LATEST EDITION, AND ALL OTHER ACTS ADMINISTERED BY ALL AUTHORITIES HAVING JURISDICTION.
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 - THE DESIGN LOADS SHALL NOT BE EXCEEDED DURING CONSTRUCTION.
 - ALL DIMENSIONS SHOWN ON THE DRAWINGS, SHALL BE CHECKED BY THE CONTRACTOR BEFORE PROCEEDING WITH THE WORK.
 - THE STABILITY OF THE STRUCTURAL FRAME IS DEPENDENT ON THE FULL INTERACTION OF ALL STRUCTURAL COMPONENTS. THE GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY BRACING DURING CONSTRUCTION.
 - ALL DIMENSIONS GIVEN ARE IN METRIC.

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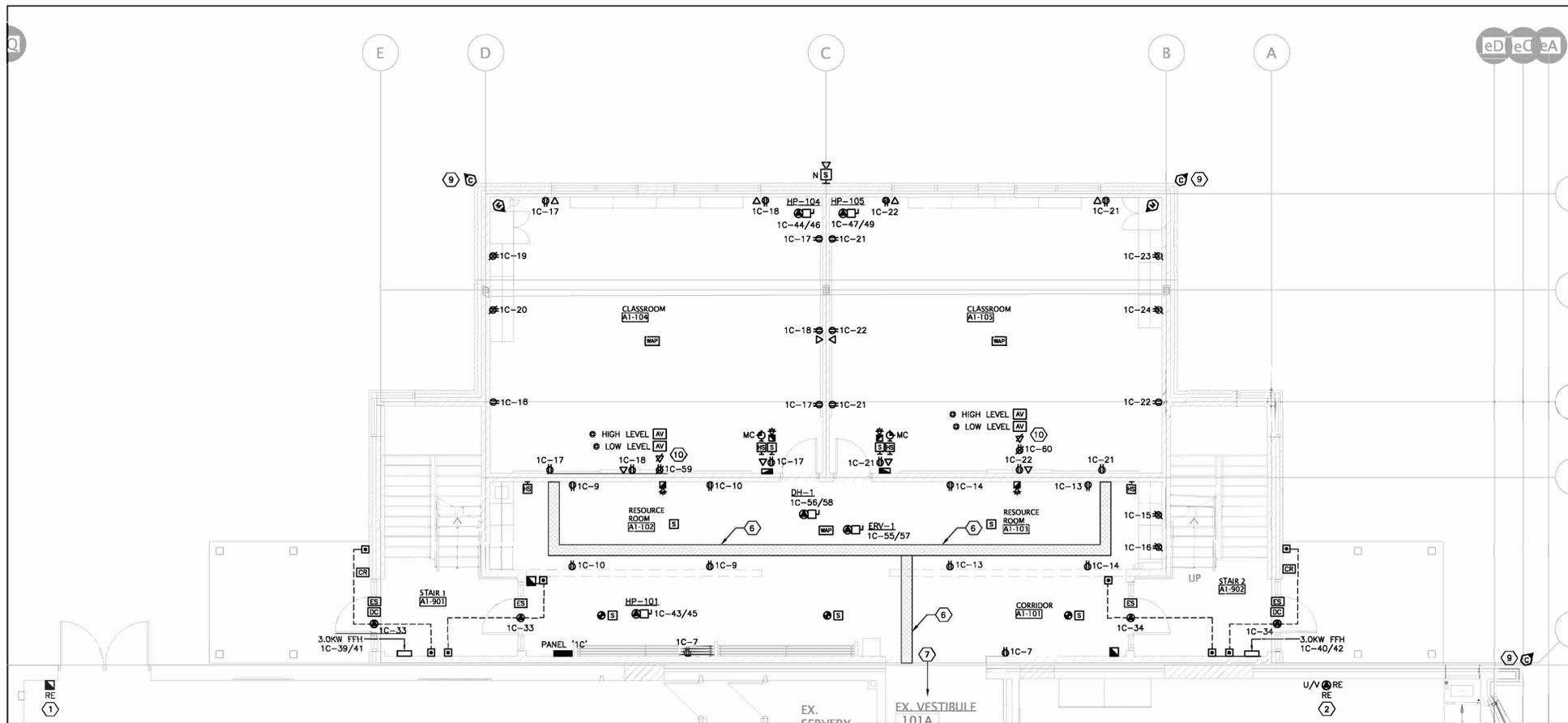
ÉC SAINT-MICHEL
Classrooms Addition

29 MEADOWVALE ROAD,
SCARBOROUGH, ONTARIO
M1C 1R7

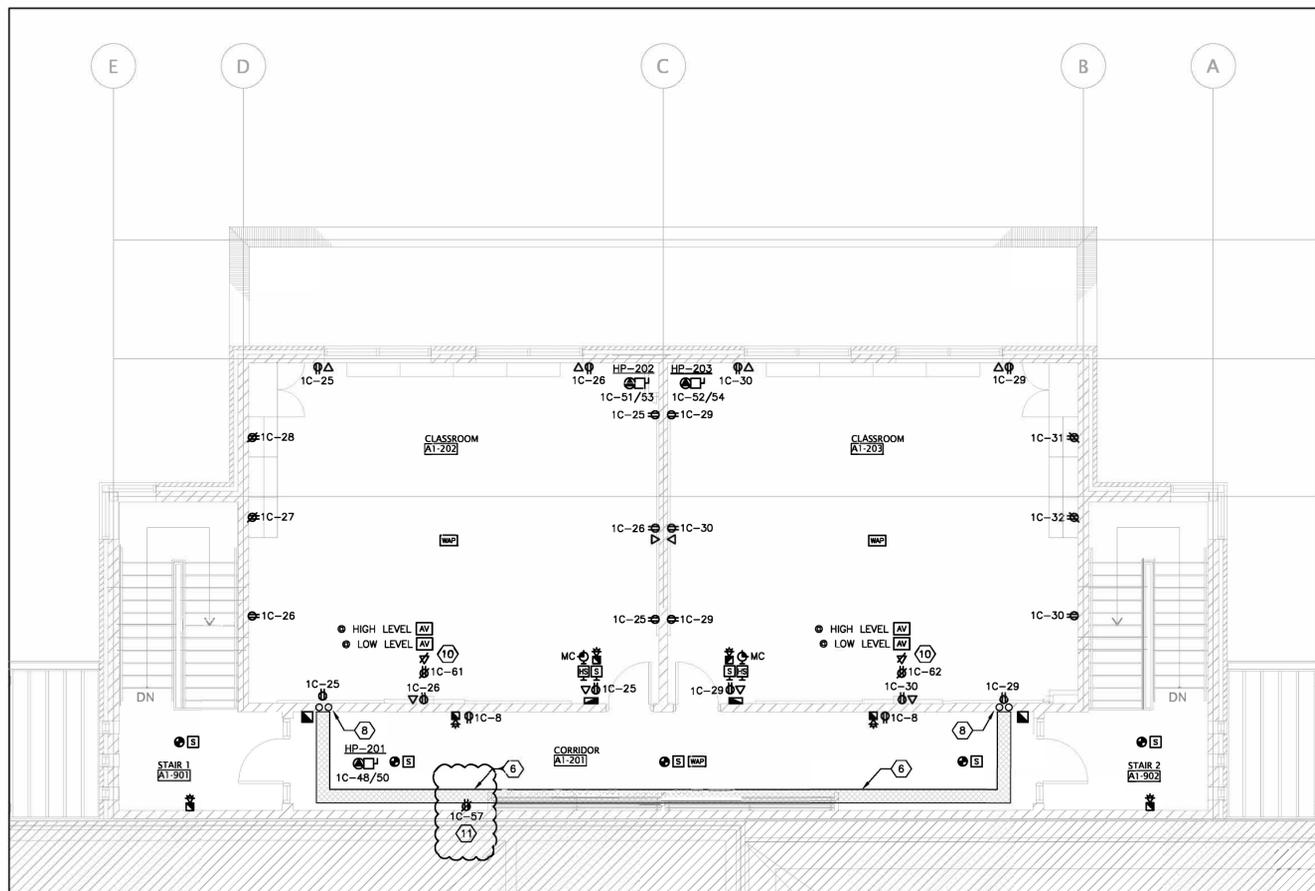
DRAWING TITLE:
NEW PLUMBING & DRAINAGE PLAN

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| PROJECT NO: 22-192 | SCALE: |
| DRAWN: R.S. | DRAWING NO. REV. M4 |
| CHECKED: R.S. | |
| DATE: | |

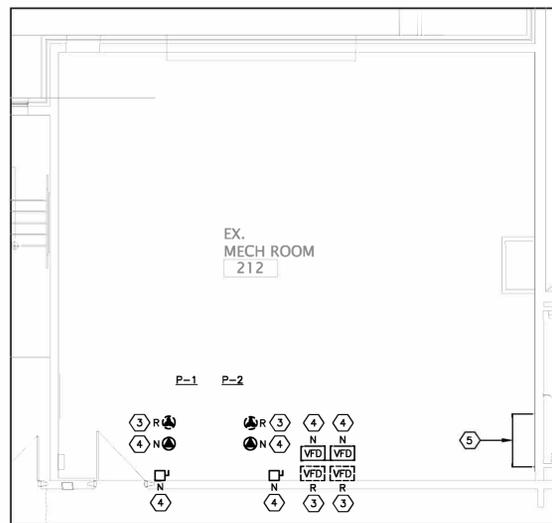
DATE PLOTTED: Tuesday, May 20, 2025



1 NEW POWER & SYSTEMS PLAN - FIRST FLOOR ADDITION
SCALE: 1:75



2 NEW POWER & SYSTEMS PLAN - SECOND FLOOR ADDITION
SCALE: 1:75



3 EXISTING & NEW POWER & SYSTEMS PLAN - MECHANICAL ROOM 212
SCALE: 1:75

GENERAL NOTES:

- ALL DEVICES, EQUIPMENT AND MATERIALS SHOWN ARE NEW AND TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED. ALL ROUGH-INS SHALL BE RECESSED IN THE NEW WALLS. ALL RACEWAYS SHALL BE CONCEALED IN THE WALLS OR ABOVE THE DROP CEILING.
- ALL NEW RECEPTACLES SHALL BE OF "TAMPER RESISTANT" TYPE. LOCATE AS PER HEIGHTS SHOWN ON THE ARCHITECTURAL DRAWINGS. CONNECT TO THE CIRCUIT(S) NOTED.
- FOR ALL FIRE ALARM WORK, SUPPLY AND INSTALL DEVICES AS PER CAN/ULC-S524 AND VERIFY AS PER CAN/ULC-S537.
 - CONNECT ALL INITIATING FIRE ALARM DEVICES IN CORRIDOR (101), RESOURCE ROOMS (102) AND (103) AND CLASSROOMS (104 AND (105) TO THE NEW FIRE ALARM ZONE, FZ-12.
 - CONNECT ALL FIRE ALARM DEVICES IN CORRIDOR (201) AND CLASSROOMS (202) AND (203) TO FIRE ALARM ZONE FZ-13.
 - CONNECT ALL INITIATING FIRE ALARM DEVICES IN STAIR #1 TO FIRE ALARM ZONE FZ-14.
 - CONNECT ALL INITIATING FIRE ALARM DEVICES IN STAIR #2 TO FIRE ALARM ZONE FZ-15.
 - PROVIDE MINIMUM TWO (2) NEW SIGNALING CIRCUIT DEDICATED FOR THE NEW ADDITION SIGNALING DEVICES FROM THE FIRE ALARM CONTROL PANEL.
- COORDINATE ALL POWER ROUGH-INS AND FINAL CONNECTIONS WITH THE MECHANICAL CONTRACTOR FOR ALL MECHANICAL EQUIPMENT PRIOR TO COMMENCING ROUGH-IN; SEE MECHANICAL DRAWINGS FOR APPROXIMATE EQUIPMENT LOCATION.
- COORDINATE ALL POWER ROUGH-INS AND FINAL CONNECTIONS WITH THE DOOR HARDWARE INSTALLER FOR ALL DOOR OPERATORS PRIOR TO COMMENCING ROUGH-IN. ALL RACKWAYS AND LOW-VOLTAGE WIRING FOR THE DOOR OPERATORS AND ASSOCIATED KEY SWITCHES SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- PROVIDE J-HOOKS IN THE ADDITION AND THE EXISTING SCHOOL AS REQUIRED TO SUPPORT LOW-VOLTAGE CABLING IN AREAS NOT EQUIPPED WITH CABLE TRAYS. IN CORRIDOR SPACES, UTILIZE THE CABLE TRAY.
- ALL PUBLIC ADDRESS (SPEAKERS AND HANDSETS), DIGITAL CLOCKS AND ALL ASSOCIATED CABLING SHALL BE SUPPLIED AND INSTALLED BY THE PUBLIC ADDRESS SYSTEM VENDOR (BARRIE COMMUNICATIONS) AS PART OF THE BASE TENDER PRICE. ALL PROGRAMMING SHALL BE COMPLETED BY BARRIE COMMUNICATIONS FOR A COMPLETE AND OPERATIONAL SYSTEM AS PART OF THE BASE TENDER PRICE.
- ALL VOICE, DATA AND SECURITY ROUGH-INS SHALL BE COMPLETED BY THE ELECTRICAL CONTRACTOR AS PART OF THE BASE TENDER PRICE. ALL CABLING AND DEVICE INSTALLATION WILL BE COMPLETED BY THE RESPECTIVE LOW-VOLTAGE CONTRACTORS RETAINED THROUGH THE CASH ALLOWANCE. ALL WIRELESS ACCESS POINTS ARE TO BE SUPPLIED BY THE SCHOOL BOARD AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- ALL MODULAR CONTROL PANELS ARE TO BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- FORCED FLOW HEATERS IN THE DRESSING ARE TO BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. HEATERS SHALL BE QUELLET OAC04000-T OR APPROVED EQUAL COMPLETE WITH WHITE FINISH AND SURFACE MOUNTING BOX.

DRAWING NOTES:

- RELOCATED FIRE ALARM PULL STATION FROM THE OLD EXIT FROM THE GYM. MODIFY/EXTEND ALL WIRING/RACEWAYS AS REQUIRED. INSTALL AS PER CAN/ULC-S524 AND VERIFY AS PER CAN/ULC-S537. VERIFY DEVICE IMMEDIATELY AFTER RELOCATION.
- RELOCATED POWER CONNECTION FOR THE UNIT VENTILATOR. MODIFY/EXTEND ALL WIRING/RACEWAYS AS REQUIRED.
- DISCONNECT AND REMOVE POWER CONNECTION TO THE EXISTING PUMPS P-1 & P-2 IN ENTIRETY. REMOVE ALL ASSOCIATED WIRING/RACEWAYS TO PANEL 'DP-CC'. REMOVE ALL ASSOCIATED VFDs AND DISCONNECT SWITCHES. REMOVE THE EXISTING BREAKER IN THE PANEL.
- PROVIDE NEW POWER CONNECTION (THROUGH THE NEW VFD), WIRING, RACEWAY AND LOCAL DISCONNECT SWITCH TO THE NEW PUMPS P-1 AND P-2. PROVIDE NEW 15A-3P BREAKERS (ONE FOR EACH PUMP) IN PANEL 'DP-CC'. SEE DRAWING E7 FOR FEEDER SIZE.
- EXISTING 400A, 347/600V, 3φ, 4W DISTRIBUTION PANEL 'DP-CC' TO REMAIN. REMOVE THE EXISTING 2 X 25A-3P BREAKERS SERVING PUMPS P-1 AND P-2 AND PROVIDE 2 X NEW 40A-3P BREAKERS TO SERVE THE UPGRADED PUMPS P-1 AND P-2. EXISTING PANEL IS OF FATON 'PRL 4' MAKE & MODEL.
- PROVIDE A NEW CABLE TRAY THROUGHOUT THE ADDITION ON THE FIRST FLOOR AND SECOND FLOOR AS SHOWN. CABLE TRAY SHALL BE LEGRAND CABLOFIL (941122) OR EQUAL. CABLE TRAY SHALL BE 12" WIDE X 6" HIGH, BLACK FINISH, STAINLESS STEEL 316L.
- SUPPLY, INSTALL AND EXTEND THE NEW CABLE TRAY 80' INTO THE EXISTING CORRIDOR. EXACT ROUTING TO BE CONFIRMED ON SITE WITH THE ENGINEER DURING CONSTRUCTION. CABLE TRAY SHALL BE LEGRAND CABLOFIL (941122) OR EQUAL. CABLE TRAY SHALL BE 12" WIDE X 6" HIGH, BLACK FINISH, STAINLESS STEEL 316L.
- PROVIDE 2 X 2" EMPTY CONDUITS (C/W PULL STRINGS) BETWEEN THE FIRST AND SECOND FLOOR CEILING SPACE TO TRANSFER LOW-VOLTAGE CABLING FROM THE SECOND FLOOR TO THE FIRST FLOOR.
- PROVIDE A CCTV CAMERA ROUGH-IN COMPLETE WITH CONDUIT TO THE ACCESSIBLE CEILING SPACE AT ALL LOCATIONS SHOWN. CCTV CAMERA IS TO BE SUPPLIED AND INSTALLED THROUGH THE CASH ALLOWANCE. INCLUDE FOR ONE (1) ADDITIONAL ROUGH-IN BEYOND THE QUANTITY SHOWN AT GRIDLINES E9 AND EA (SEE DRAWING E2 FOR LOCATION); IT IS AT THE CORNER OF THE EXISTING STAIRCASE.
- IN CLASSROOMS A1-104, A1-105, A1-202 AND A1-203, PROVIDE THE FOLLOWING FOR THE PROMETHEAN BOARD TO BE MOUNTED ON THE TEACHING WALL (WHICH IS THE WALL SHARED WITH THE CORRIDOR):
 - DUPLEX RECEPTACLE CONNECTED TO A DEDICATED CIRCUIT MOUNTED AT HIGH LEVEL (EXACT HEIGHT TO BE CONFIRMED WITH THE PROMETHEAN INSTALLER. (CIRCUITS 1C-59, 1C-60, 1C-61, 1C-62).
 - DATA ROUGH-IN AT HIGH LEVEL C/W CONDUIT AND PULL ROPE UP TO THE CEILING SPACE. EXACT HEIGHT TO BE CONFIRMED WITH THE PROMETHEAN INSTALLER.
 - AV ROUGH-IN (DEEP BACK BOX) AT HIGH LEVEL C/W 1-1/2" CONDUIT AND PULL ROPE UP TO THE CEILING SPACE. EXACT HEIGHT TO BE CONFIRMED WITH THE PROMETHEAN INSTALLER.
 - AV ROUGH-IN (DEEP BACK BOX) AT LOW LEVEL C/W 1-1/2" CONDUIT AND PULL ROPE UP TO THE CEILING SPACE. EXACT HEIGHT TO BE CONFIRMED WITH THE PROMETHEAN INSTALLER.
- PROVIDE A NEW GFI RECEPTACLE CONNECTED TO A DEDICATED CIRCUIT FOR THE NEW DRINKING FOUNTAIN. COORDINATE ROUGH-IN AND MOUNTING HEIGHT WITH THE MANUFACTURER'S REQUIREMENTS FOR THE DRINKING FOUNTAIN. CONCEAL ALL WIRING.

| ISSUED FOR CONSTRUCTION | ISSUED FOR TENDER | ISSUED FOR PERMIT | ISSUED FOR 80% DESIGN REVIEW | ISSUED FOR 100% DESIGN REVIEW | REVISION |
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| 05/02/24 | 07/22/24 | 04/02/24 | 02/28/24 | 07/12/23 | NO DATE |
| 9 | 8 | 7 | 6 | 5 | 4 |

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ARCHITECTS INC.

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| DRAWING TITLE: NEW POWER & SYSTEMS PLANS | | |
| PROJECT NO: 22-192 | SCALE: | |
| DRAWN: R.S. | DRAWING NO.: | REV. |
| CHECKED: R.S. | E5 | |
| DATE: | | |

DATE PLOTTED: Tuesday, May 20, 2025