Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion

98 Water Street, Summerside, PE

CIVIL
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C100	Site Plan
C101	Typical Details & Sections

ARCHITECTURAL
Coles Associates Ltd.

A000	Cover Page
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A002	Door & Frame Schedule and Window Schedule
A040	Life Safety Plans
A050	Demolition Plans
A100	Floor Plans
A140	Floor Finish Plans
A160	Reflected Ceiling Plans
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A400	Vertical Circulation
A500	Enlarged Washroom Plan & Interior Elevations

MECHANICAL
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M001	Legends
M010	Plumbing Demolition Plan
M030	Ventilation Demolition Plan
M040	Fire Protection Demolition Plan
M100	Plumbing - Sanitary
M101	Plumbing - Domestic Water
M102	Plumbing - Details
M103	Plumbing - Details & Schedules
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M201	Heating - Details & Schedules
M202	Heating - Geothermal Site plan
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M204	Heating - Geothermal Details
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M302	Ventilation - Details & Schedules
M401	Fire Protection Plans

ELECTRICAL
Coles Associates Ltd.

E001	Legend, Full Building & Site Plan, Existing Freezer Enlargement & Trench Detail
E010	Main Level & Mezzanine Demolition - Power, Communications, Systems & Lighting
E100	Main Level & Mezzanine - Power, Communications & Systems
E200	Main Level & Mezzanine - Lighting
E300	Power, Communications and Systems Details
E301	Lighting Details
E302	Schedules

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Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion

98 Water Street, Summerside, PE

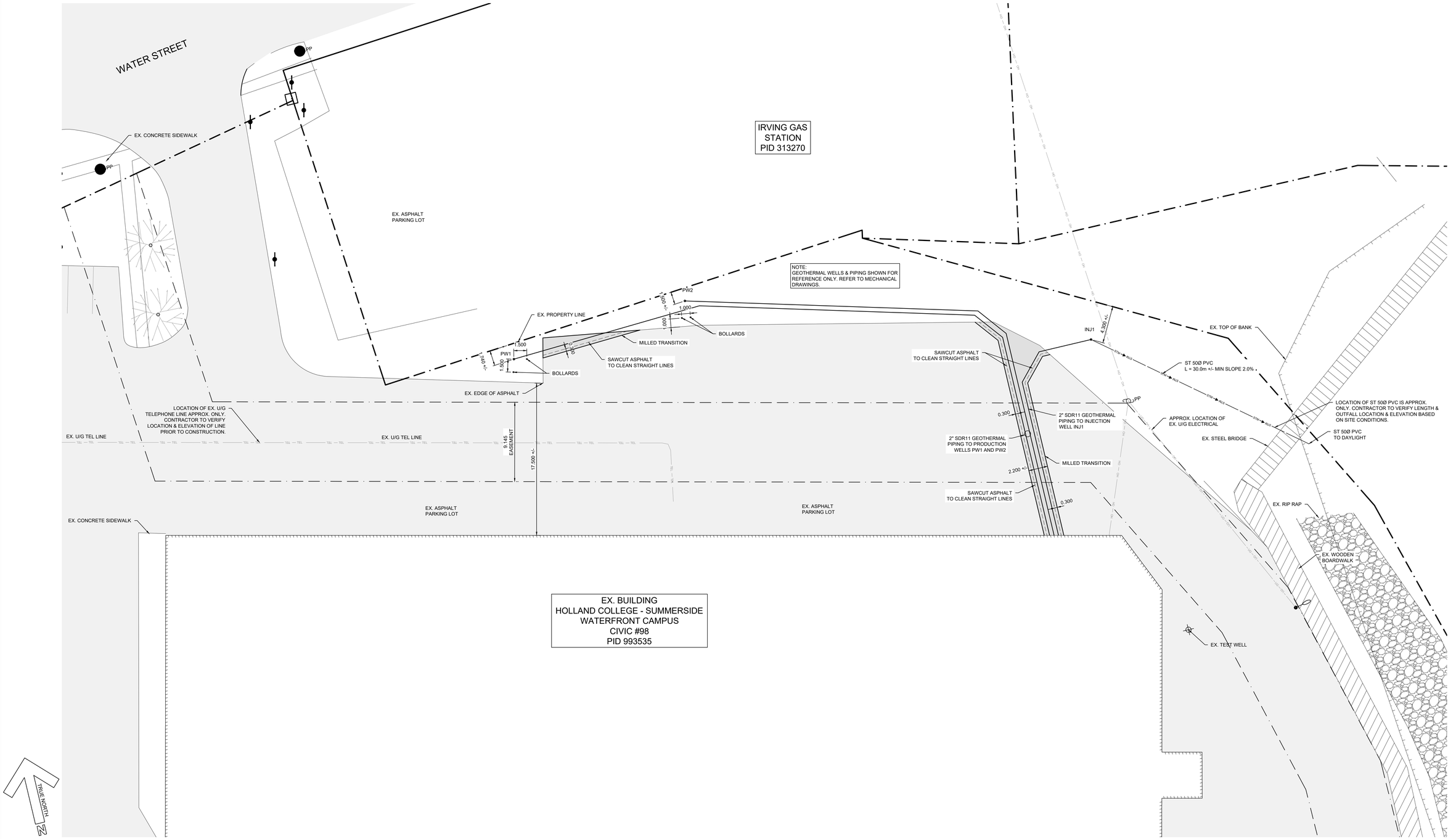
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Scale:
Drn By: SJ/KAH
Chk By: SDM
Rev. No.: 0
Project Number: 261102
Drawing Number: A000

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1 / C100 PLAN: SITE PLAN
SCALE: 1:200

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Seal: PROFESSIONAL ENGINEER — In the District of Prince, I Certify that I am Registered and Licensed to Practice in Prince Edward Island — Nazmi Lawen — 344 — Date — PROVINCE OF PRINCE EDWARD ISLAND

Client: Holland College

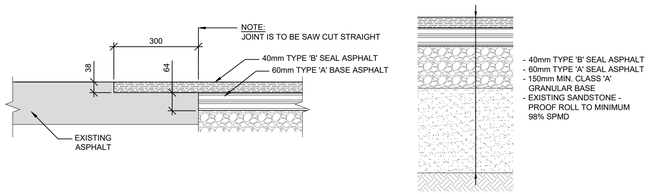
Project Title: Holland College Summerside Waterfront - GreenBuild Trade Expansion
98 Water Street, Summerside PE

Sheet Title: Site Plan

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Scale: 1:200
Drn By: MWM
Chk By: NL
Rev. No.: 0
Project Number: 261102
Drawing Number: C100

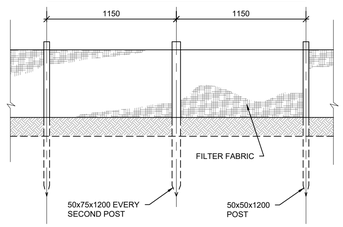
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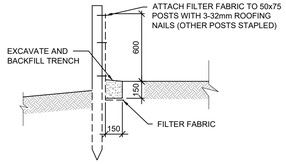
1 C101 SECTION: ASPHALT JOINT AT EXISTING / NEW & SCHEDULE

SCALE: 1:10

DETAIL IS TO BE READ IN CONJUNCTION WITH SECTION 31 10 00. EROSION CONTROL MEASURES ARE TO BE IN PLACE BEFORE ANY WORK ON SITE BEGINS AND ARE TO REMAIN IN PLACE UNTIL THE WORK OF THIS TRADE PACKAGE IS STABILIZED, (NO SEDIMENTARY RUN OFF TO AREAS OFF SITE IS ACCEPTABLE.)



ELEVATION

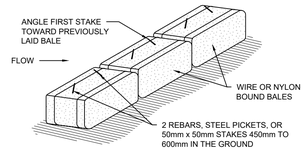


SECTION

2 C101 TYPICAL SILT FENCE

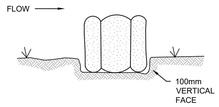
SCALE: 1:25

DETAIL IS TO BE READ IN CONJUNCTION WITH SECTION 31 10 00. EROSION CONTROL MEASURES ARE TO BE IN PLACE BEFORE ANY WORK ON SITE BEGINS AND ARE TO REMAIN IN PLACE UNTIL THE WORK OF THIS TRADE PACKAGE IS STABILIZED, (NO SEDIMENTARY RUN OFF TO AREAS OFF SITE IS ACCEPTABLE.)



ANCHORING DETAIL

COMPLY WITH ALL ENVIRONMENTAL REGULATIONS & PROVIDE ALL NECESSARY ENVIRONMENTAL PROTECTION INCLUDING, SILT FENCES, SILT DAMS, SEDIMENT TRAPS, DUST CONTROL, ETC.

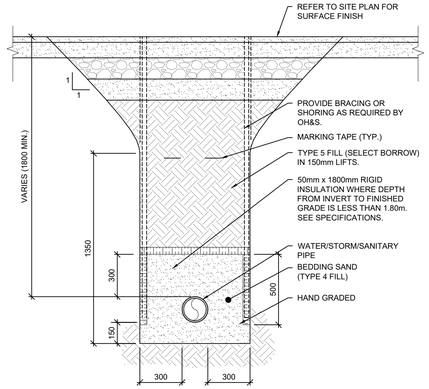


EMBEDDING DETAIL

3 C101 TYPICAL EROSION CONTROL BERM

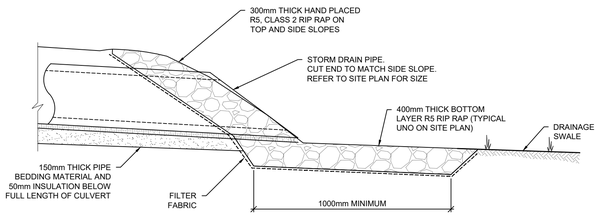
SCALE: 1:25

NOTE:
1. USE BRACING SHIELD FOR TRENCHES WITHIN ROADWAYS TO REDUCE EXCAVATION WIDTH AND ASPHALT REPLACEMENT. ALL ASPHALT TO BE SAWCUT TO A DEPTH OF 125mm MIN. PRIOR TO EXCAVATION, WHERE APPLICABLE.



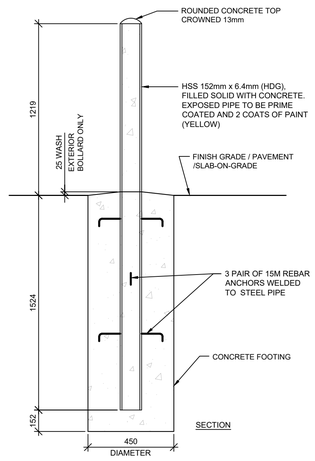
4 C101 TYPICAL TRENCH DETAIL

SCALE: 1:20



5 C101 STORM PIPE OUTFALL

SCALE: 1:10



SECTION

6 C101 TYPICAL BOLLARD

SCALE: 1:20

LEGEND

	PROPERTY LINE
	BUILDING OUTLINE
STM →	STORM SEWER
UG — UG	EXISTING UNDERGROUND ELECTRICAL
OH — HO	OVERHEAD ELECTRICAL
OH — HO	EXISTING OVERHEAD ELECTRICAL
	TOP OF SLOPE
	ASPHALT PAVEMENT
	ASPHALT PAVEMENT EXISTING
PP	UTILITY POLE

GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE THIS WORK AND COOPERATE WITH THE OWNER AND AGENCIES HAVING JURISDICTION.
2. THE LIMIT OF CONTRACT IS GENERALLY BOUNDED BY THE PROPERTY LINE AND ALSO INCLUDES ALL WORK IMPLEMENTED OR SHOWN WITHIN AND OUTSIDE THE LOT. THE SCOPE OF WORK SHALL INCLUDE ALL CIVIL WORKS SHOWN OR IMPLIED ON THE DRAWINGS AND SHALL INCLUDE ANY ADDITIONAL WORK LISTED IN THE SPECIFICATIONS AND TENDER DOCUMENTS.
3. CONTRACTOR MUST VISIT THE SITE PRIOR TO CONSTRUCTION AND BE FAMILIAR WITH EXISTING CONDITIONS.
4. VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
5. ALL DIMENSIONS AND ELEVATIONS ARE IN METRIC UNITS U.N.O.
6. SURVEY DATA HAS BEEN DETERMINED AND PROVIDED BY LOCUS SURVEYS LTD. DATED OCTOBER 2, 2026. NO TOPOGRAPHICAL INFORMATION WAS PROVIDED
7. ALL SURVEY DATA TO BE COORDINATED WITH LOCUS SURVEYS LTD. PRIOR TO CONSTRUCTION.
8. THESE DRAWINGS SHALL BE VIEWED IN CONJUNCTION WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND LANDSCAPE SITE DRAWINGS, CONTRACT DOCUMENTS AND SPECIFICATIONS.
9. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATIONS OF ALL EXISTING UTILITIES AND SERVICES (SHOWN OR NOT SHOWN ON DRAWINGS) IN THE FIELD WITHIN THE CONTRACT LIMIT. INFORMATION SHOWN ON PLANS IS APPROXIMATE ONLY.
10. UNDERGROUND WATER, SEWER, TELEPHONE AND POWER SERVICES EXIST BENEATH THE SITE. EXERCISE CAUTION IN EXCAVATION AND PROTECT FACILITIES FROM DAMAGE. CONTRACTOR TO REPAIR DAMAGES AT NO COST TO THE OWNER. WORK SHALL BE CARRIED OUT TO THE SATISFACTION OF THESE AUTHORITIES. CONTACT UTILITIES BEFORE EXCAVATING.
11. PRIOR TO CONSTRUCTION, CONTRACTOR MUST REVIEW THE DEPTH OF ALL NEW UNDERGROUND SERVICES AND ADJUST DEPTH OF ALL SERVICES INCLUDING WATER, SANITARY SEWER, STORM SEWER, U/G ELECTRICAL & COMMUNICATION, WHERE INTERFERENCE OCCURS. ADVISE & OBTAIN APPROVAL FROM CONSULTANT BEFORE PROCEEDING WITH ANY CHANGES. ADJUST TOPS OF ALL EXISTING MANHOLES, CATCH BASINS, VALVES, BOXES, ETC. TO SUIT FINISH GRADES OF PARKING LOTS & SITE WORK. COSTS ASSOCIATED WITH THIS TO BE INCLUDED IN TENDER PRICE.
12. THE CONTRACTOR TO INCLUDE IN THE CONTRACT PRICE COSTS ASSOCIATED WITH OVER EXCAVATION, BACKFILLING AND REINSTATEMENT.
13. PROVIDE TEMPORARY SUPPORT TO UTILITY POLES AS REQUIRED BY THE UTILITIES. FINAL LOCATIONS OF RELOCATED UTILITY POLES TO BE COORDINATED ON-SITE BETWEEN CONTRACTOR & UTILITIES. ENSURE NEW OVERHEAD WIRE PATHS MEET ALL REQUIRED CLEARANCES AS REQUIRED BY OH&S.
14. THE WORK SHALL BE IN ACCORDANCE WITH THE 2020 NATIONAL BUILDING CODE OF CANADA & APPLICABLE STANDARDS.
15. PERFORM WORK & COMPLY WITH ALL FEDERAL, PROVINCIAL AND MUNICIPAL BY-LAWS AND REGULATIONS.
16. CONTRACTOR IS RESPONSIBLE FOR THE SUPPLY, INSTALLATION & TESTING FOR ANY ADDITIONAL MATERIALS & EQUIPMENT NOT SPECIFIED OR INDICATED ON THE DRAWINGS TO COMPLETE WORK ENSURING THAT ALL SYSTEMS ARE FULLY OPERATIONAL AND MEETING THE FUNCTIONAL REQUIREMENT OF THIS PROJECT.
17. CONTRACTOR IS RESPONSIBLE FOR THE SUPPLY, INSTALLATION AND TESTING OF ALL PIPES AND APPURTENANCES AS PER APPLICABLE STANDARDS & AS REQUIRED BY REGULATIONS FOR A COMPLETE OPERATIONAL SYSTEM
18. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN TWO WAY TRAFFIC AT ALL TIMES DURING THIS CONTRACT AND ACCESS FOR EMERGENCY VEHICLES ON CONSTRUCTION SITE. PROVIDE SIGNS, BARRICADES, FLAGGERS AS PER APPLICABLE REGULATIONS.
19. ALL CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS. ANY FINES OR CHARGES FOR UNSAFE WORKING CONDITIONS ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
20. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING MUD TRACKING ONTO THE PUBLIC AND PRIVATE RIGHT OF WAYS; AND IS, AT THEIR EXPENSE, RESPONSIBLE FOR CLEANING TRACKED MUD FROM THE R.O.W. AS DIRECTED BY THE MUNICIPALITY.
21. THE CONTRACTOR IS RESPONSIBLE FOR NECESSARY GRADING AND DUST CONTROL AS DIRECTED BY THE AGENCIES HAVING JURISDICTION OR THE OWNER'S SITE REPRESENTATIVE.
22. ALL TRENCHES WITHIN CITY RIGHT OF WAYS MUST BE BACKFILLED AT THE END OF EACH DAY.
23. REPAIR & REINSTATE DISTURBED ASPHALT PAVEMENT, GRASSED & LANDSCAPED AREAS, SIGNS, RETAINING WALLS, ETC., DAMAGED BY WORK OF CONTRACT INCLUDING ALL AREAS IMPACTED BEYOND LIMIT OF CONTRACT. TOPSOIL & SEED/SOD (AS DIRECTED) ALL GRASSED SURFACES U.N.O.
24. NO GEOTECHNICAL INVESTIGATION WAS CARRIED OUT.
25. ADJUST TOPS OF CB'S, MH'S, WATER VALVES, CURB STOPS, AND ANY UTILITIES AFFECTED BY THE WORK OF THIS CONTRACT AND NECESSARY BY THE CONSULTANT/OWNER TO SUIT SITE CONDITIONS.

ENVIRONMENTAL PROTECTION NOTES:

1. ENVIRONMENTAL PROTECTION MEASURES SHALL BE CARRIED OUT TO THE SATISFACTION OF THE CONSULTANT &, AUTHORITIES HAVING JURISDICTION AND THE COST OF ALL THESE DEVICES & MEASURES SHALL BE INCLUDED IN THE CONTRACT PRICE.
2. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH PEI OCCUPATIONAL HEALTH & SAFETY ACT, FEDERAL, PROVINCIAL & MUNICIPAL BY-LAWS & REGULATIONS.
3. INSTALLATION OF ENVIRONMENTAL CONTROLS SHALL BE A FIRST STEP IN THE CONSTRUCTION SEQUENCE, THEIR DESIGN, INSTALLATION AND MAINTENANCE SHALL BE AS PER PEI TIE ENVIRONMENTAL PROTECTION PLAN.
4. CONSTRUCT & INSTALL AT TOE OF SLOPE AROUND PERIMETER OF ALL TEMPORARY AND PERMANENT CONSTRUCTION AREAS INCLUDING AROUND STOCKPILES OF FILL SILT FENCES & EROSION CONTROL DEVICES.
5. ALL ENVIRONMENTAL CONTROLS (E.G. SILT FENCING, CHECK DAMS, SEDIMENT COLLECTION PONDS, ETC.) SHALL BE IN PLACE PRIOR TO, DURING AND AFTER PROJECT ACTIVITIES TO AVOID OFFSITE SILTATION.
6. MAINTAIN DEVICES ON A DAILY BASIS TO PREVENT SEDIMENTS FROM THE WORK AREAS FROM ENTERING ANY WATER COURSE OR CATCH BASINS. REPLACE FENCES IF DAMAGED. REMOVE ACCUMULATED SEDIMENTS TO PREVENT BLOCKAGE OF FENCES & DAMS AS DIRECTED BY CONSULTANT.
7. REMOVE & REPLACE EROSION CONTROL STRUCTURES WHEN THEY BECOME CLOGGED WITH SOIL PARTICLES OR AS DIRECTED BY CONSULTANT.
8. INSTALL SEDIMENT COLLECTION POND AT END OF THE OUTFALL & AT THE END OF THE DITCHES TO FILTER SEDIMENT FROM SURFACE RUNOFF BEFORE IT IS DISCHARGED TO WATERCOURSE. ENSURE THAT RUNOFF IS DIRECTED THROUGH SEDIMENT COLLECTION PONDS.
9. DO NOT DISTURB EXISTING VEGETATION ANY MORE THAN NECESSARY TO COMPLETE EACH PHASE OF THE PROJECT.
10. INSTALL A LAYER OF MULCH OR AN EROSION CONTROL BLANKET TO ALL EXPOSED SLOPES THAT IS NOT IMMEDIATELY UNDER CONSTRUCTION APPLIED AND MAINTAINED UNTIL THE AREA IS READY TO BE COMPLETED, SHAPED AND STABILIZED WITH SEEDING, SOD OR RIPRAP.
11. TOPSOIL & SEED ALL EXPOSED & BARREN SOIL ASAP.
12. THE CONTRACTOR IS TO HAVE ON HAND, THE APPROPRIATE EMERGENCY RESPONSE PHONE NUMBERS AND CONTACTS TO ALERT THE APPROPRIATE AUTHORITIES OF POSSIBLE CONTAMINATION SHOULD A SPILL OCCUR.

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Seal: PROFESSIONAL ENGINEER — Nazmi Lawen — 344 — PROVINCE OF PRINCE EDWARD ISLAND

Client: Holland College

Project Title: Holland College Summerside Waterfront - GreenBuild Trade Expansion
98 Water Street, Summerside PE

Sheet Title: Typical Sections & Details

Rev. No.:	Issued for:	Date: (YYYY-MM-DD)
0	Tender	2026-10-29

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Chk By: NL
Rev. No.: 0
Project Number: 261102
Drawing Number: C101

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1 / A001 CONTEXT PLAN
1 : 200

PROJECT INFORMATION

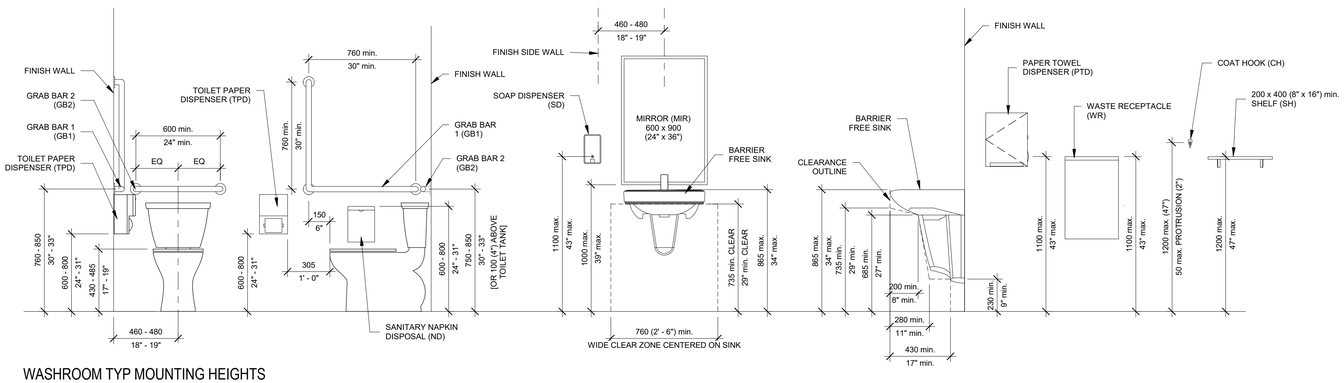
ADDRESS: 98 WATER ST
MUNICIPALITY: SUMMERSIDE
PID#: 993535
ZONING: DOWNTOWN CORE - DC
GROSS AREAS:
FIRST FLOOR (EXISTING): 7,250 SQ.FT.
LEVEL 2 (EXISTING): 1,350 SQ.FT.
TOTAL: 8,600 SQ.FT.

LEGEND

- EXISTING WALLS
- NEW WALLS (REFER TO FLOOR PLAN FOR WALL TYPE)
- BLOCK WALLS (REFER TO FLOOR PLAN FOR WALL TYPE)
- TO BE DEMOLISHED
- AREAS NOT IN CONTRACT
- 101 / ROOM NAME — ROOM NUMBER AND NAME
- 100.1 — DOOR TAG
- EW1 — WALL TAG
- 1 HR FIRE SEPARATION
- TRAVEL DISTANCE PATH
- DOOR CLEAR AREA, PULL SIDE (1700 min. / 600 min. / 1500 min.)
- DOOR CLEAR AREA, PUSH SIDE (300 min. / 1200 min. / 1500 min.)
- WHEELCHAIR CLEAR AREA AT SINK, MIN. 800x1350 (MAY EXTEND MAX. 430 UNDER SINK)
- WHEELCHAIR TRANSFER AREA ADJACENT TO TOILET, MIN. 900x1500
- ø 1700 — WHEELCHAIR TURNING AREA, MIN. 1700mm ø
- POWER ASSISTED DOOR, LOCATION OF PUSH BUTTON ACTUATOR

GENERAL NOTES

1. VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
2. THE WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA (NBCC 2020).
3. COMPLY WITH ALL LOCAL, MUNICIPAL AND PROVINCIAL BY-LAWS AND REGULATIONS.
4. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION.
5. BENCH MARKS TO BE ESTABLISHED BY CONTRACTOR.
6. ALL PENETRATIONS IN RATED PARTITIONS/ASSEMBLIES FOR PLUMBING, DUCTING OR ELECTRICAL ARE TO BE SEALED. FIRE STOP IN ACCORDANCE WITH WALL AND/OR FLOOR TYPES. SUBMIT ULC DETAILS AND MATERIALS DURING SHOP DRAWING PROCESS FOR REVIEW PRIOR TO INSTALLATION.
7. VENT ALL FANS TO OUTSIDE AIR. PROVIDE WEATHERPROOF VENT.
8. PROVIDE SUB-SLAB DEPRESSURIZATION DETAIL FOR FUTURE RADON GAS TESTING AS PER NBCC 2020 REQUIREMENTS.
9. ALL WALL DIMENSIONS ARE TO FINISH FACE OF GYPSUM WALL BOARD UNLESS NOTED OTHERWISE.
10. PERIMETER GRID LINES ARE TO FACE OF FOUNDATION UNLESS NOTED OTHERWISE.
11. ALL OTHER DISCIPLINES SHOWN FOR GENERAL INTENT ONLY. REFER TO CORRESPONDING DRAWINGS.
12. STAIR CONSTRUCTION:
    - RUN (MIN. NOSING TO NOSING): 11 1/4" / 280mm
    - RISE: MAX. 7" / 180mm, MIN. 5" / 125mm
    - NOSING OVERHANG: MAX. 3/4" / 19mm
    - GUARDRAIL: BALLUSTERS/PICKETS TO BE MAX. 4" / 100mm O.C., GUARD TO BE MIN. 42.5" / 1080mm HIGH ABOVE NOSING OF STAIR TREAD AND LANDING.
    - HANDRAIL: 36" / 915mm HIGH ABOVE NOSING OF STAIR TREAD (BOTH SIDES). EXTEND HANDRAIL ONE TREAD DEPTH + MIN. 12" / 300mm HORIZONTAL AT BOTTOM OF STAIRS. HANDRAIL AT TOP OF STAIRS TO BE MIN. 12" / 300mm HORIZONTAL. HANDRAIL DIAMETER TO BE MAX. 1 5/8" / 43mm ø
    - PROVIDE ENCLOSED RISERS
13. REFER TO MATERIAL / FINISH SCHEDULE IN THE APPENDIX OF THE SPECIFICATION FOR INFO ON ALL MATERIAL TAGS.
14. REFER TO ACCESSORIES SCHEDULE IN THE APPENDIX OF THE SPECIFICATION FOR INFO ON ALL WASHROOM ACCESSORY TAGS.



WASHROOM TYP MOUNTING HEIGHTS
1 : 20

UNIVERSAL WASHROOM NOTES

1. A CLEAR FLOOR AREA OF 1700 x 1700mm (67" x 67") SHALL BE PROVIDED AT THE DOOR AND WITHIN A UNIVERSAL WASHROOM.
2. A CLEAR TRANSFER SPACE 900 x 1500mm (36" x 60") SHALL BE PROVIDED BESIDE THE TOILET (MEASURED FROM THE RIM).
3. THE FLUSH VALVE OF A TOILET SHALL BE LOCATED ON THE TRANSFER SIDE.
4. LAVATORIES SHALL HAVE A CLEAR FLOOR AREA 800 x 1350mm (31" x 53") CENTERED ON THE LAVATORY, OF WHICH NOT MORE THAN 430mm (16") MAY BE UNDER THE LAVATORY.
5. TOWEL DISPENSER/HAND DRYER AND SOAP DISPENSER TO BE SUPLIED BY OWNER AND SHALL BE INSTALLED AND LOCATED WITHIN A 500mm (19") REACH OF A PERSON SEATED AT THE LAVATORY BY CONTRACTOR.
6. SHALL BE EQUIPPED WITH AN EMERGENCY CALL SYSTEM THAT CAN BE ACTUATED BY A CONTROL LOCATED INSIDE THE WASHROOM WHICH WILL ACTIVATE AN AUDIBLE AND VISUAL SIGNAL BOTH INSIDE AND OUTSIDE THE WASHROOM.
7. THE DOOR SHALL HAVE A LOCKING MECHANISM CAPABLE OF BEING UNLOCKED FROM THE OUTSIDE.

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2026-10-29 2:26:23 PM

Seal: ARCHITECTS ASSOCIATION 19-12 CERTIFICATE of PRACTICE Scott Daniel MacNeill Coles Associates Ltd. AAPEI OF PRINCE EDWARD ISLAND — Oct 29/26

Client: Holland College

Project Title: Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Context Plan, Project Info, General Notes, Legend and Typical Mounting Heights

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DOOR & FRAME SCHEDULE

			DOOR								FRAME			
DOOR NO.	ROOM NAME	FIRE RATING (MINUTES)	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	GLAZING	DOOR LOUVER	TYPE	MATERIAL	FINISH	GLAZING
300.1	COMMON AREA		6' - 0"	7' - 0"	1 3/4"	D-3	WD-2	WD-2	GL-2	WD-2	F-2	PS		
300.2	COMMON AREA	45 min	6' - 0"	7' - 0"	1 3/4"	D-3	WD-1	P-2	GL-2	P-2	F-2	PS		
300.3	COMMON AREA	45 min	6' - 0"	7' - 0"	1 3/4"	D-3	WD-1	P-2	GL-2	P-2	F-2	PS		
301.1	CLASSROOM (VIRTUAL)		3' - 2"	7' - 0"	1 3/4"	D-2	WD-1	P-2	GL-1	P-2	F-1	PS		
302.1	OFFICE		3' - 2"	7' - 0"	1 3/4"	D-2	WD-1	P-2	GL-1	P-2	F-3	PS		GL-1
303.1	OFFICE		3' - 2"	7' - 0"	1 3/4"	D-2	WD-1	P-2	GL-1	P-2	F-3	PS		GL-1
304.1	BF WR		3' - 2"	7' - 0"	1 3/4"	D-1	WD-1	P-2		P-2	F-1	PS		
305.1	BF WR		3' - 2"	7' - 0"	1 3/4"	D-1	WD-1	P-2		P-2	F-1	PS		
306.1	CLASSROOM		3' - 2"	7' - 0"	1 3/4"	D-2	WD-1	P-2	GL-1	P-2	F-1	PS		
306.2	CLASSROOM	45 min	3' - 2"	7' - 0"	1 3/4"	D-2	WD-1	P-2	GL-2	P-2	F-1	PS		
307.1	STORAGE	45 min	3' - 0"	7' - 0"	1 3/4"	D-1	WD-1	P-2		P-2	F-1	PS		
308.1	GREENBUILD LAB		6' - 0"	7' - 0"	1 3/4"	D-3	WD-1	P-2	GL-1	P-2	F-2	PS		
310.1	TOOLS		3' - 0"	7' - 0"	1 3/4"	D-1	WD-1	P-2		P-2	F-1	PS		
312.1	STORAGE		5' - 0"	7' - 0"	1 3/4"	D-4	WD-1	P-2		P-2	F-2	PS		
312.2	STORAGE		6' - 0"	7' - 0"	1 3/4"	D-6	WD-1	P-2		P-2	F-1	PS		
330.1	STORAGE		3' - 2"	7' - 0"	1 3/4"	D-1	HM	P-2		P-2	F-1	PS		
331.1	MECH. ROOM		3' - 0"	7' - 0"	1 3/4"	D-1	WD-1	P-2		P-2	F-1	PS		
332.1	EXISTING FREEZER		3' - 0"	7' - 0"	1 3/4"	D-1	WD-1	P-2		P-2	F-1	PS		
333.1	MAIN HALL		6' - 0"	7' - 0"	1 3/4"	D-5	WD-1	P-2	GL-1	P-2	F-2	PS		
333.2	MAIN HALL		6' - 0"	7' - 0"	1 3/4"	D-5	WD-1	P-2	GL-1	P-2	F-2	PS		

DOOR AND FRAME SCHEDULE ABBREVIATIONS

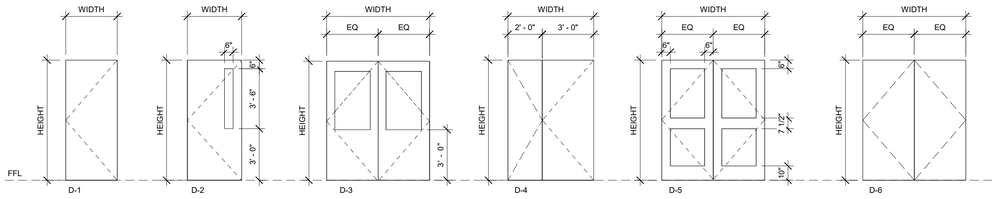
AL	ALUMINUM
EX	EXISTING
HM	HOLLOW METAL
PS	PRESSED STEEL
WD	WOOD
SP	SEE SPECIFICATION

DOOR AND FRAME SCHEDULE NOTES

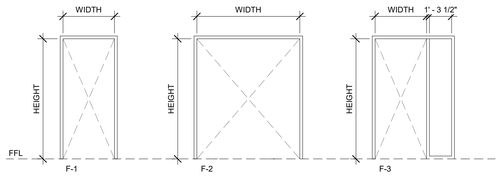
1. REFER TO MATERIAL/FINISH SCHEDULE FOR INFO ON ALL MATERIAL TAGS.
2. REFER TO SPECIFICATION FOR DOOR HARDWARE GROUPS. HARDWARE NOTED IN HARDWARE GROUPS OVERRIDE ITEMS NOTED ON THE DOOR SCHEDULE.
3. ALL INTERIOR DOOR FRAMES TO BE INSTALLED 6" / 150mm FROM ADJACENT WALL UNLESS NOTED OTHERWISE, MEASURED FROM THE CENTER LINE OF THE HINGE PIN.
4. ALL PRESSED STEEL FRAMES TO OVERLAP BLOCK WALLS AND GWB.
5. PROVIDE RATED DOORS, FRAMES AND HARDWARE IN WALLS SCHEDULED WITH A FIRE RESISTANCE RATING. REFER TO DOOR SCHEDULE FOR RATING.

WINDOW TYPE NOTES

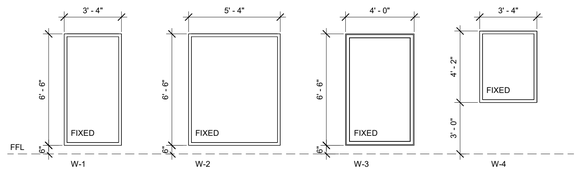
1. ALL EXTERIOR WINDOWS ARE DIMENSIONED TO THE ROUGH OPENINGS
2. REFER TO ELEVATIONS FOR WINDOW TAGS
3. ALL INTERIOR WINDOWS ARE DIMENSIONED TO THE OUTSIDE EDGE OF THE FRAME
4. ALL WINDOWS IN FIRE SEPARATIONS TO HAVE CERAMIC GLAZING, TAG GL-2



DOOR TYPES
1 : 50



FRAME TYPES
1 : 50



WINDOW TYPES
1 : 50

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Client: Holland College

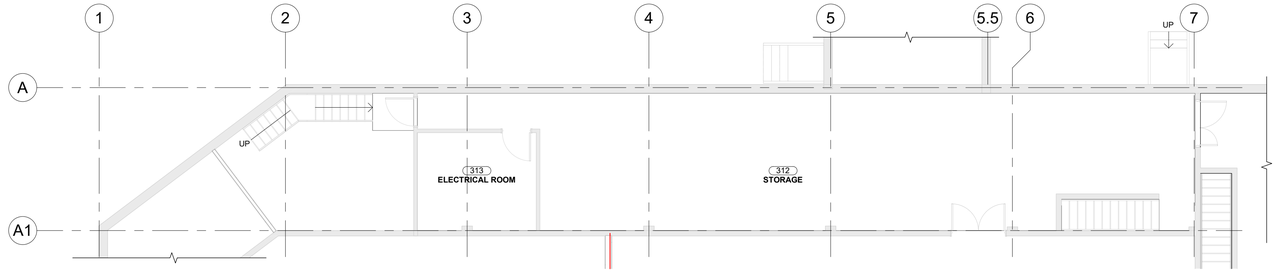
Project Title: Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Door & Frame Schedule and Window Schedule

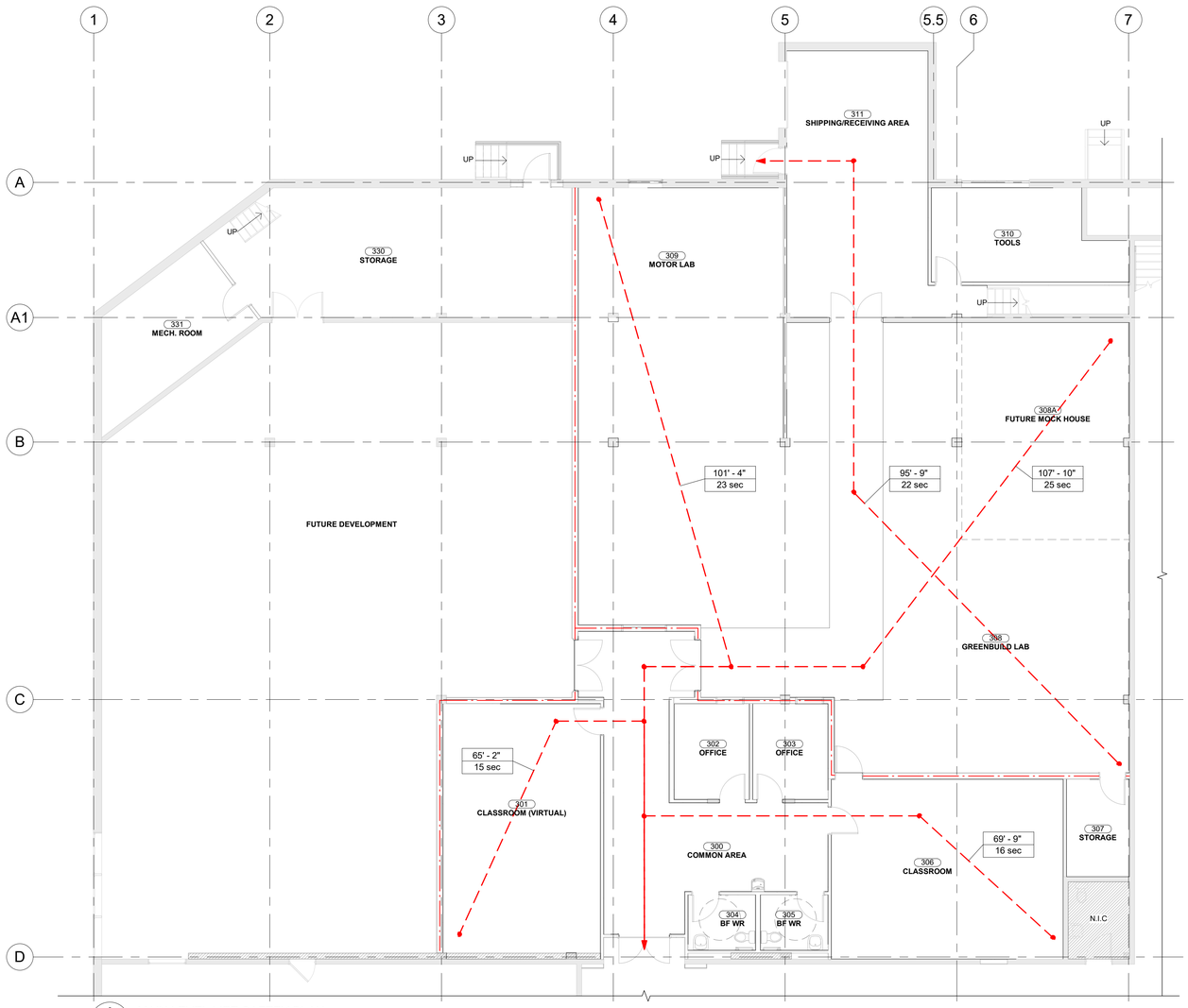
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Chk By: SDM
Rev. No.: 0
Project Number: 261102
Drawing Number: A002

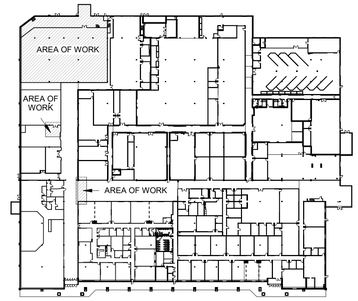
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1 / A040 LEVEL 2 - LIFE SAFETY PLAN
1/8" = 1'-0"



2 / A040 MAIN LEVEL LIFE SAFTEY PLAN
1/8" = 1'-0"



KEY PLAN

BUILDING CODE REVIEW

1. BUILDING DEFINITION

1. Governing Code: National Building Code (NBC) 2020
2. Building Height: 1 storey
3. Building Area: 15,224 m2 / 163,869 sqft
4. Streets: 3.2.2.10. The building faces one streets. (Street must be 9m wide or more in width or be an access route)
   1. A building faces one street when not less than 25% of its perimeter is within 15m of the street or access route or,
      1. Not less than 10% of the building perimeter is located within 15 m of a street or streets, provided the exterior cladding conforms to Sentence 3.1.4.8.(2)
   2. A building faces two streets when not less than 50% of its perimeter is within 15m of the street or access route.
   3. A building faces three streets when not less than 75% of its perimeter is within 15m of the street or access route.
5. Major Occupancies:
   1. Group A, Division 2, Schools and College
   2. Group F3, Workshops
6. Subsidiary Occupancies:
   1. N/A
7. Article of Construction: 3.2.2.27. Group A, Division 2, up to 2 storeys, Sprinklered
   1. Max. Building area: not more than 1 storey in building height and 1,500 m2
      2. Construction Type:
         1. Code: is permitted to be of combustible construction or noncombustible construction used singly or in combination
         2. Provided: combustible construction and noncombustible
8. Article of Construction: 3.2.2.90. Group F, Division 3, One storey, Sprinklered
   1. Max. Building Area: not more than 1 storey in building height and 16,800 m2
      1. Code: is permitted to be of heavy timber construction or non-combustible construction used singly or in combination provided
      2. Provided: combustible construction and non-combustible
9. Fire Walls: N/A
10. Party Walls: N/A
11. Interconnected floor space: Not applicable

2. EXITS

1. Criteria for one exit: 3.4.2.1.B., (Floor area sprinklered Throughout)
   1. Group A2, Schools and Colleges
      1. Code: If a floor area that is sprinklered throughout, and the floor area is not more than 200 m2, one exit can be provided
      2. Provided: More than one exit is provided
   2. Group F, Division 3, Low Hazard
      1. Code: If a floor area that is sprinklered throughout and the floor area is not more than 300 m2, one exit can be provided
      2. Provided: More than one exit is required
2. Travel Distance: 3.4.2.5 The travel distance to at least one exit shall be not more than 45 m

3. BUILDING LIFE SAFETY SYSTEMS

1. Standpipe: 3.2.5.8
   1. Code: Shall be installed if more than 3 storeys in building height, more than 14 m high measured between grade and the ceiling of the top storey, not more than 14 m high but has a building area exceeding table 3.2.5.8. unless the building is sprinklered
   2. Provided: Refer to Mechanical Design
3. Exit Signs: 3.4.5.
   1. Code: Required if a building is over 2 stories in building height and having an occupant load of more than 150
   2. Provided: Refer to Electrical Design
4. Annunciator and Zone Indication: 3.2.4.8.
   1. An annunciator shall be installed in close proximity to a building entrance that faces a street or an access route for fire department vehicles.
   2. Provided: Refer to Electrical Design

4. ACCESS ROUTES

1. 3.2.5.4. A building which is more than 3 storeys in building height or more than 600m2 in building area shall be provide with access routes for fire department vehicles.
   1. To the building face having a principle entrance, and to each building face having access openings for firefighting as required by Articles 3.2.5.1. and 3.2.5.2.
2. 3.2.5.5. Access routes shall be located so that the principal entrance and every access opening (as applicable) are located not less than 3 m and not more than 15 m from the closest portion of the access route required for fire department use, measured horizontally from the face of the building.
1. 3.2.5.6. Have a clear width not less than 6 m, have a centre line radius not less than 12 m, have an overhead clearance not less than 5 m, have a change in gradient not more than 1 in 12.5 over 15 m and provide a turn around facility for an access route more than 90 m long.
   1. Provided: site condition to remain.

5. FIRE HYDRANTS

1. 3.2.5.15. The distance from the fire department connection to a hydrant shall not be more than 45 m and be unobstructed.
   1. Provided: Hydrant within 45 m

6. FIRE SEPARATIONS

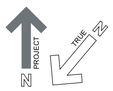
1. Major Occupancy Separation
   1. Adjoining Group A2 / F3 — 3.1.3.1 Table — 1 h
2. Fire walls — 3.1.10. — N/A
3. Separation of Suites — 3.3.1.1. — N/A
4. Public Corridors (access to exit >1 suite) — 3.3.1.4. — N/A
5. Janitor Rooms — 3.3.1.22 — N/A
6. Contained Use Area — 3.3.3.7. — N/A
7. Storage Rooms — 3.3.4.3. — N/A
8. Repair Garage — 3.3.5.5. — N/A
9. Storage Garage — 3.3.5.6. — N/A
10. Storage Garage Vestibules — 3.3.5.7. — N/A
11. Exits — 3.4.4.1. — 45 min
12. Elevator Shaft and Machine Room — 3.6.3.1. — N/A
13. Service Rooms — 3.6.2.1. — N/A
14. Vertical Service Spaces — 3.6.3. — N/A

7. POWER DOOR OPERATORS

1. 3.8.2.7.: Required at an entrance, including the interior doors of a vestibule where provided. In a barrier-free path of travel, between the entrance to suites or rooms served by a public corridor or a corridor used by the public, and in an entrance to a washroom with a barrier-free water closet.

LIFE SAFETY LEGEND

- 1 HR FIRE RATED ASSEMBLY
- TRAVEL DISTANCE PATH



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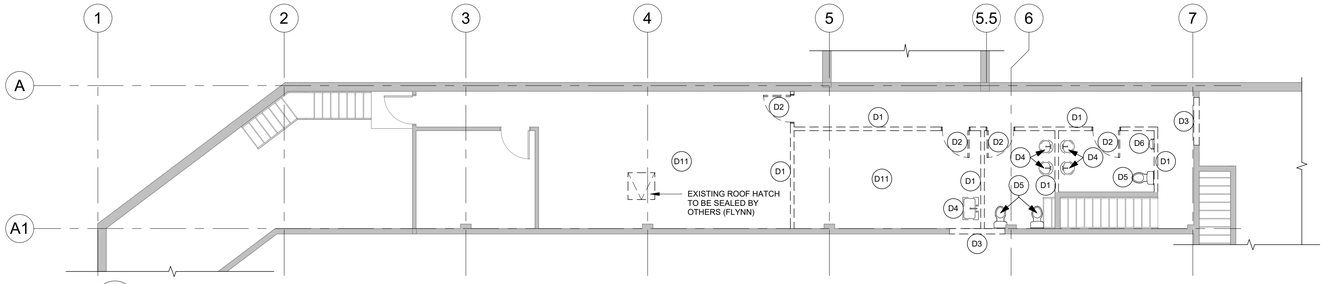
Project Title: Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion
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Sheet Title: Life Safety Plans

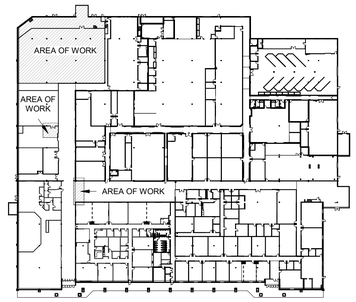
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Drawing Number: A040

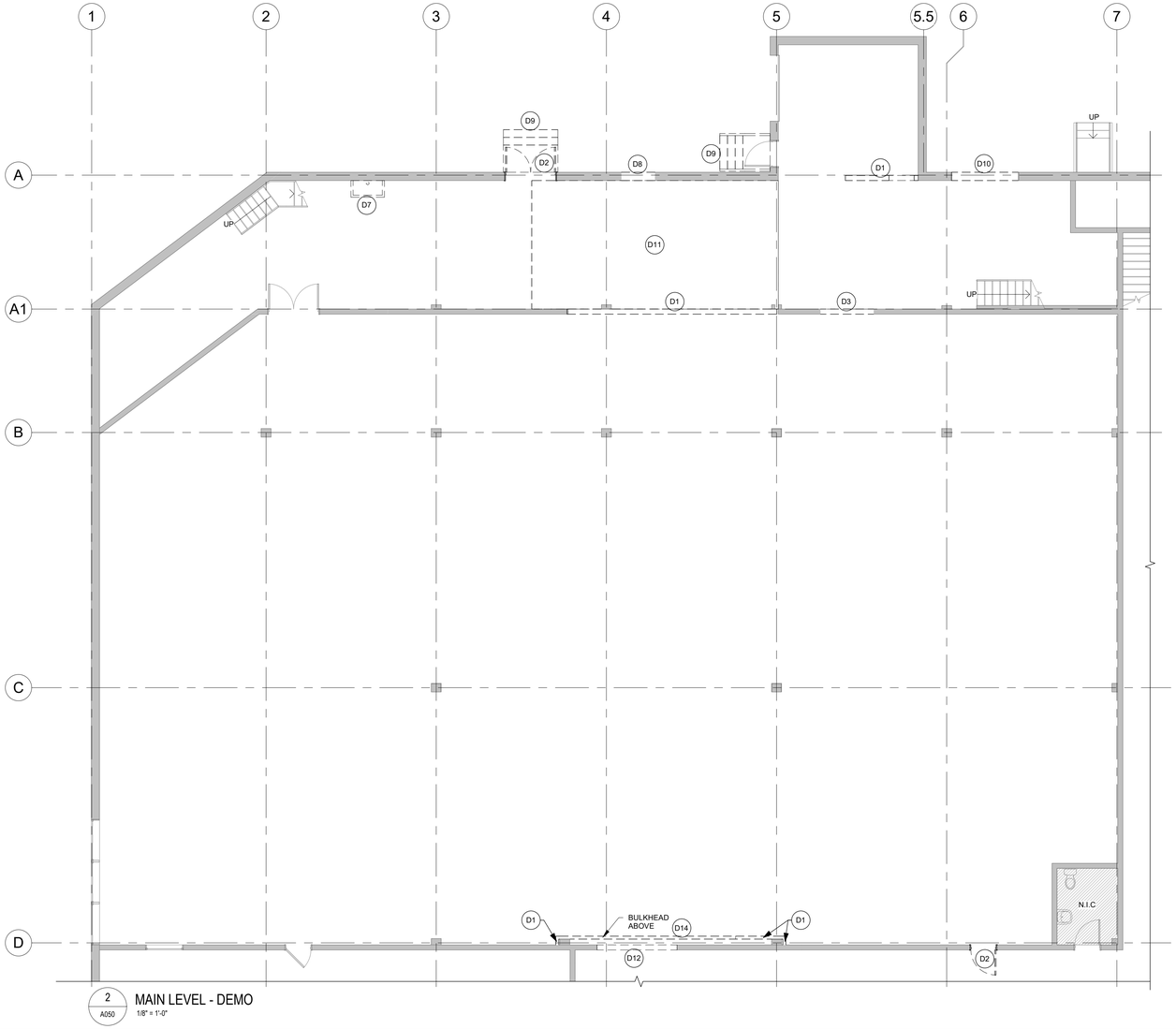
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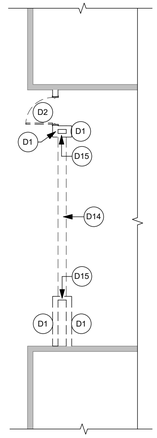
1 / A050 — LEVEL 2 - DEMO
1/8" = 1'-0"



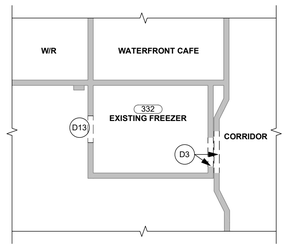
KEY PLAN



2 / A050 — MAIN LEVEL - DEMO
1/8" = 1'-0"



3 / A050 — MAIN LEVEL ENTRANCE - DEMO
1/8" = 1'-0"



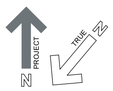
4 / A050 — MAIN LEVEL - FREEZER - DEMO
1/8" = 1'-0"

DEMO NOTES

D1	WALL TO BE DEMOLISHED
D2	DOOR TO BE DEMOLISHED
D3	PORTION OF WALL TO BE DEMOLISHED FOR INSTALLATION OF NEW DOOR
D4	SINK TO BE DEMOLISHED
D5	TOILET TO BE DEMOLISHED
D6	URINAL TO BE DEMOLISHED
D7	DEMOLISH EXISTING MOP SINK
D8	PORTION OF WALL TO BE DEMOLISHED FOR INSTALLATION OF NEW WINDOW
D9	DEMOLISH EXISTING STAIR AND RAILING
D10	DEMOLISH EXISTING EXTERIOR WOOD STUD WALL AND OPENING
D11	DEMOLISH EXISTING VCT FLOORING
D12	EXISTING WINDOW TO BE REMOVED
D13	INFILL EXISTING WALL OPENING
D14	DEMOLISH BULKHEAD ABOVE
D15	SECURITY GRILLE TO BE REMOVED
WD-2	

GENERAL SHEET NOTES

1. REMOVE EXISTING DOORS AND FRAMES AND MAINTAIN THEM ONSITE FOR OWNER FUTURE USE.



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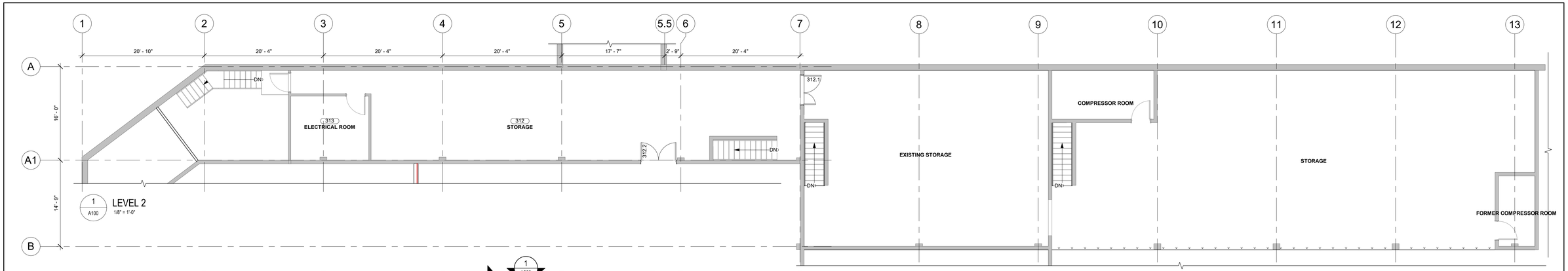
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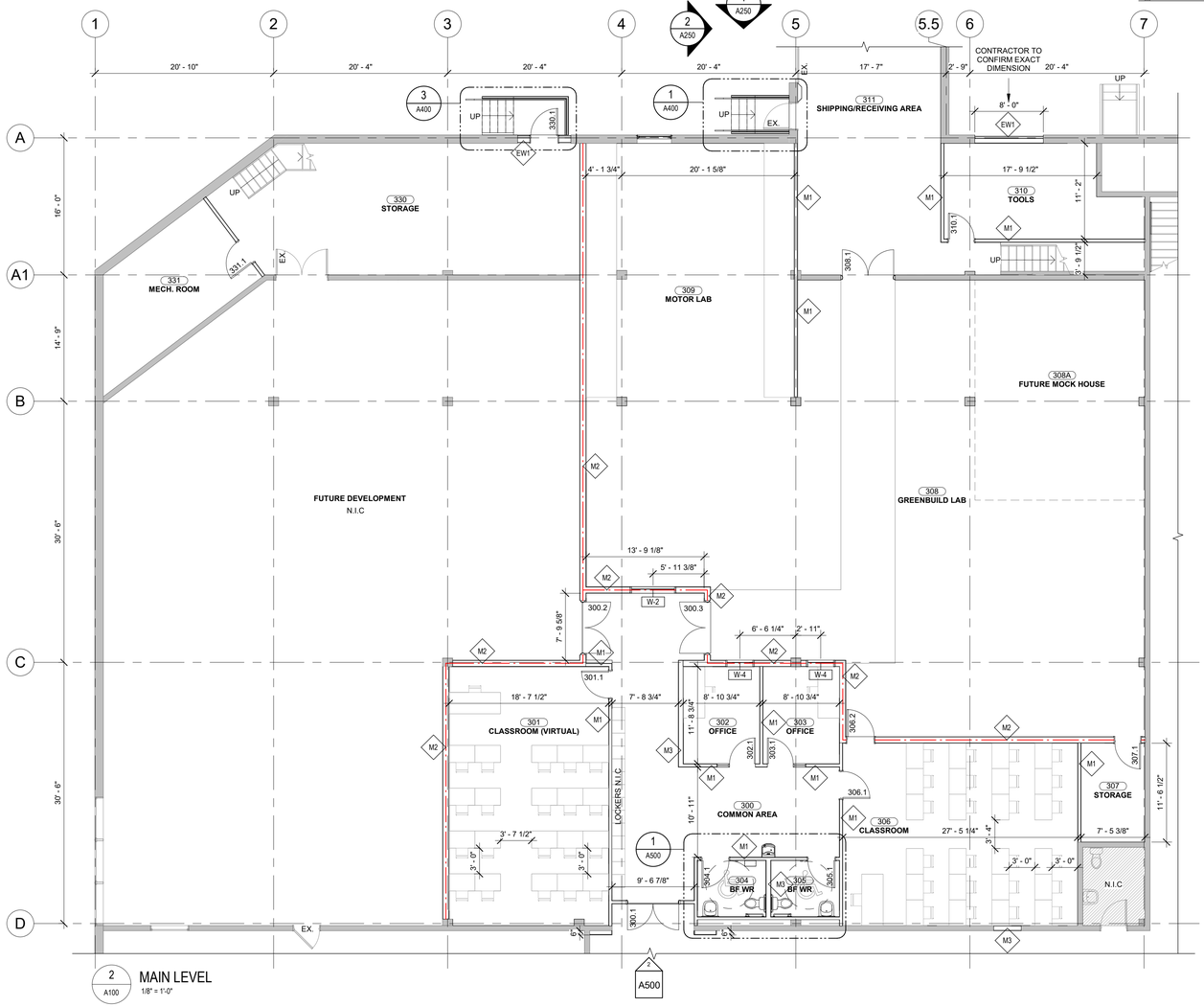
Sheet Title: Demolition Plans

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EXTERIOR WALL TYPES

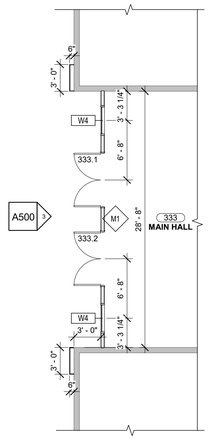
TAG	DESCRIPTION	RATING	DESIGN NO.:
EW1	- METAL CLADDING, REFER TO MATERIAL FINISH SCHEDULE - 2" HORIZONTAL METAL Z-GIRTS @ 24" O.C. C/W 2" MINERAL WOOL INSULATION (R8.6) - CONTINUOUS AIR BARRIER (SELF ADHESIVE) - 5/8" FIBERGLASS MAT GYPSUM SHEATHING - 6" METAL STUDS @ 16" O.C. C/W FIBERGLASS BATT INSULATION (R24) - 6MIL POLY VAPOUR BARRIER (TAPED AND SEALED) - 5/8" GYPSUM WALL BOARD NOTE: OUTSIDE FACE OF SHEATHING AND FOUNDATION ARE TO ALIGN		

METAL FURRING WALL TYPES

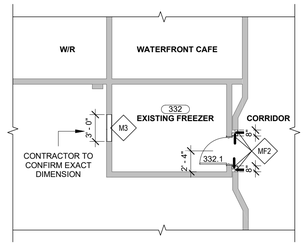
TAG	DESCRIPTION	STC	RATING	DESIGN NO.:
MF1	- 5/8" / 16mm GYPSUM WALL BOARD - 2 1/2" / 64mm METAL STUD FRAMING @ 16" / 400mm O.C. - ADJACENT WALL OR STRUCTURE			
MF2	- 5/8" / 16mm GYPSUM WALL BOARD - 3 5/8" / 92mm METAL STUD FRAMING @ 16" / 400mm O.C. - ADJACENT WALL OR STRUCTURE			

METAL STUD WALL TYPES

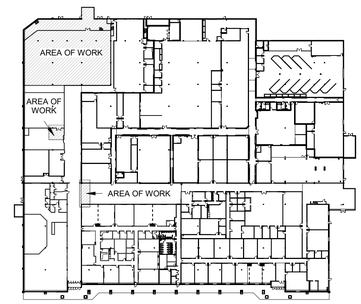
TAG	DESCRIPTION	STC	RATING	DESIGN NO.:
M1	- 1 LAYER, 5/8" / 16mm GYPSUM WALL BOARD, TYPE X - 3 5/8" / 92mm METAL STUD FRAMING @ 16" / 400mm O.C. c/w ACOUSTICAL INSULATION (FILL CAVITY) - 1 LAYER, 5/8" / 16mm GYPSUM WALL BOARD			
M2	- 1 LAYER, 5/8" / 16mm GYPSUM WALL BOARD, TYPE X - 3 5/8" / 92mm METAL STUD FRAMING @ 16" / 400mm O.C. c/w MINERAL WOOL INSULATION (FILL CAVITY) - 1 LAYER, 5/8" / 16mm GYPSUM WALL BOARD, TYPE X	47	1 h	NBC 2020, S4b (MUST BE MINERAL WOOL)
M3	- 1 LAYER, 5/8" / 16mm GYPSUM WALL BOARD - 6" / 152mm METAL STUD FRAMING @ 16" / 400mm O.C. c/w ACOUSTICAL INSULATION (FILL CAVITY) - 1 LAYER, 5/8" / 16mm GYPSUM WALL BOARD, TYPE X			



3 A400 MAIN LEVEL - MAIN HALL ENTRANCE
1/8" = 1'-0"



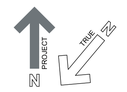
4 A100 MAIN LEVEL - FREEZER
1/8" = 1'-0"



KEY PLAN

LEGEND

- EXISTING WALLS
- NEW WALLS (REFER TO FLOOR PLAN FOR WALL TYPE)
- BLOCK WALLS (REFER TO FLOOR PLAN FOR WALL TYPE)
- TO BE DEMOLISHED
- AREAS NOT IN CONTRACT
- 101 ROOM NAME — ROOM NUMBER AND NAME
- 100.1 — DOOR TAG
- EW1 — WALL TAG
- 1 HR FIRE SEPARATION
- TRAVEL DISTANCE PATH
- 1700 min. / 600 min. / 1500 min. / 300 min. / 1900 min. / 1200 min. — DOOR CLEAR AREA, PULL SIDE
- DOOR CLEAR AREA, PUSH SIDE
- WHEELCHAIR CLEAR AREA AT SINK, MIN. 800x1350 (MAY EXTEND MAX. 430 UNDER SINK)
- WHEELCHAIR TRANSFER AREA ADJACENT TO TOILET, MIN. 900x1500
- ø 1700 — WHEELCHAIR TURNING AREA, MIN. 1700mm ø
- POWER ASSISTED DOOR, LOCATION OF PUSH BUTTON ACTUATOR



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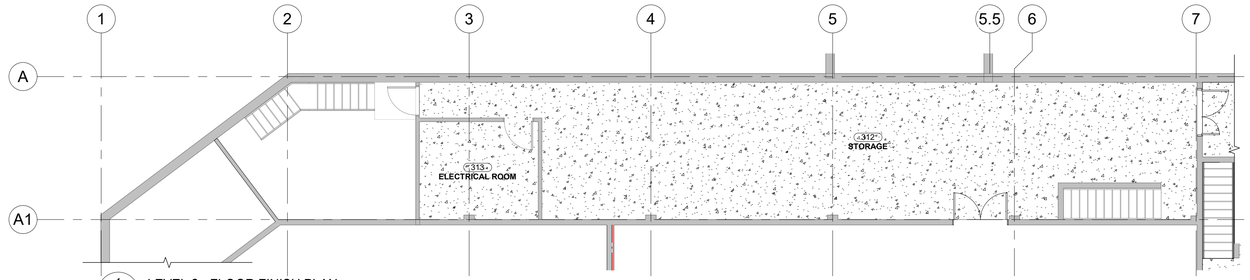
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Sheet Title: Floor Plans

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Drawing Number: A100

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1 / A140 LEVEL 2 - FLOOR FINISH PLAN
1/8" = 1'-0"



2 / A140 MAIN LEVEL - FLOOR FINISH PLAN
1/8" = 1'-0"

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR BASE	WALLS NORTH FIN.	WALLS EAST FIN.	WALLS SOUTH FIN.	WALLS WEST FIN.
308A	FUTURE MOCK HOUSE	RB-1	P-1	P-1	P-1	P-1
306	CLASSROOM	RB-1	P-1	P-1	P-1	P-1
305	BF WR	RB-1	P-1	P-1	P-1	P-1
304	BF WR	RB-1	P-1	P-1	P-1	P-1
302	OFFICE	RB-1	P-1	P-1	P-1	P-1
303	OFFICE	RB-1	P-1	P-1	P-1	P-1
301	CLASSROOM (VIRTUAL)	RB-1	P-1	P-1	P-1	P-1
307	STORAGE	RB-1	P-1	P-1	P-1	P-1
330	STORAGE	RB-1	P-1	P-1	P-1	P-1
309	MOTOR LAB	RB-1	P-1	P-1	P-1	P-1
311	SHIPPING/RECEIVING AREA	RB-1	P-1	P-1	P-1	P-1
310	TOOLS	RB-1	P-1	P-1	P-1	P-1
308	GREENBUILD LAB	RB-1	P-1	P-1	P-1	P-1
300	COMMON AREA	RB-1	P-1	P-1	P-1	P-1
313	ELECTRICAL ROOM	RB-1	P-1	P-1	P-1	P-1
312	STORAGE	RB-1	P-1	P-1	P-1	P-1
314-329	FUTURE DEVELOPMENT	RB-1	P-1	P-1	P-1	P-1
332	EXISTING FREEZER	N/A	N/A	N/A	N/A	N/A
331	MECH. ROOM	RB-1	P-1	P-1	P-1	P-1

GENERAL SHEET NOTES

- REFER TO MATERIAL/FINISH SCHEDULE FOR INFORMATION ON ALL MATERIAL TAGS

FLOOR FINISHES LEGEND

FLOOR TILE, T-1

POLISHED / SEALED CONCRETE w/ STAIN, CO-1

TT-1 TILE TRIM, TT-1

N
PROJECT
TRUE

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Client: Holland College

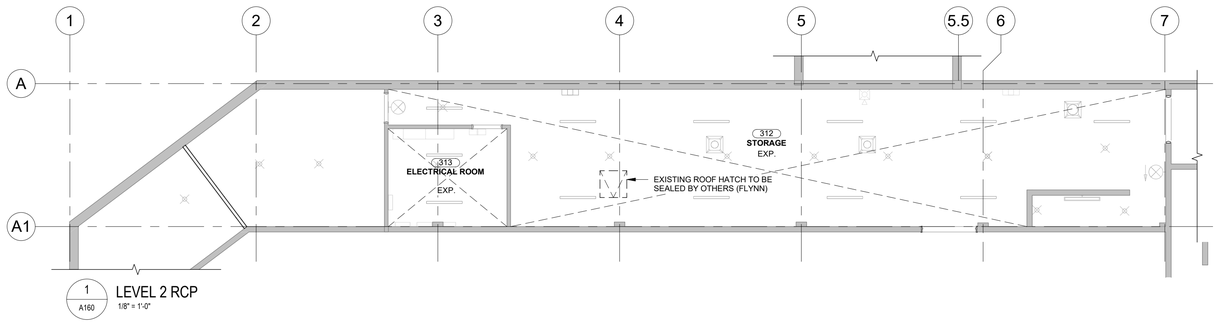
Project Title: Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Floor Finish Plans

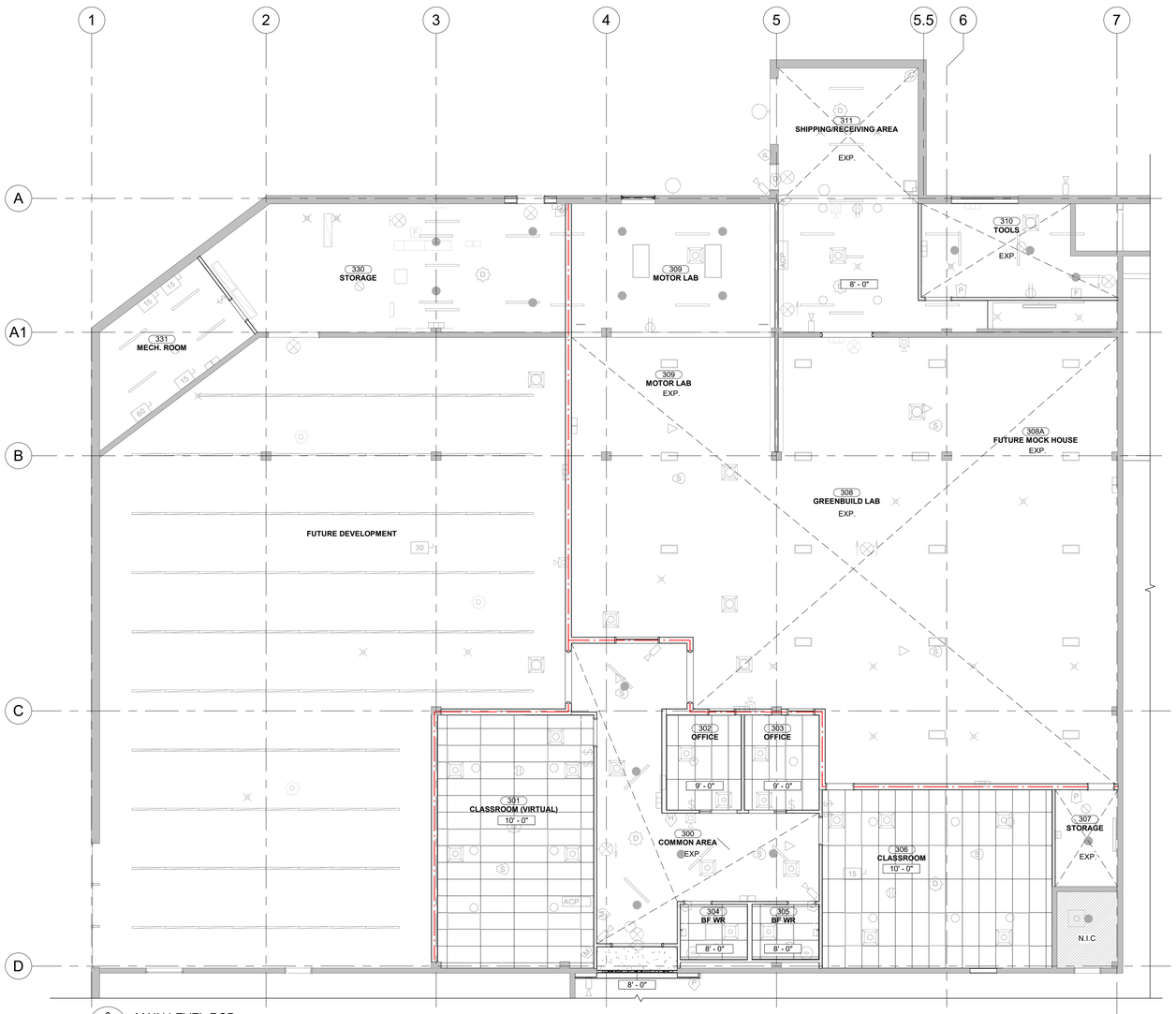
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Chk By: SDM
Rev. No.: 0
Project Number: 261102
Drawing Number: A140

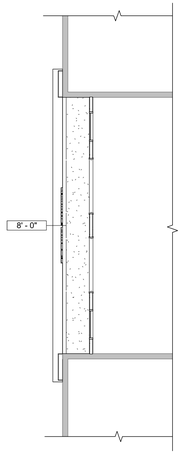
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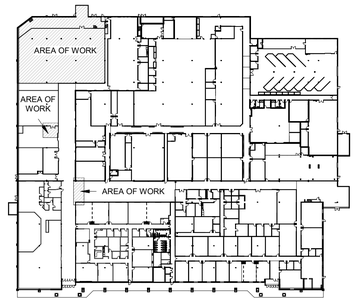
1 / A160 LEVEL 2 RCP
1/8" = 1'-0"



2 / A160 MAIN LEVEL RCP
1/8" = 1'-0"



3 / A160 MAIN ENTRANCE RCP
1/8" = 1'-0"



KEY PLAN

REFLECTED CEILING PLAN LEGEND

1050	CEILING HEIGHT TAG
	GWB: 16mm TYPE X GWB ON METAL T-BAR SUSPENSION SYSTEM. SEE SPEC.
	ACT-1: ACOUSTIC CEILING TILE, 600x1200
EXP	EXPOSED STRUCTURE
MECHANICAL ITEMS (REFER TO MECHANICAL DRAWINGS)	
	SQUARE AIR DIFFUSER
	SPRINKLER
ELECTRICAL ITEMS (REFER TO ELECTRICAL DRAWINGS)	
	LUMINAIRE, CEILING MOUNTED
	LUMINAIRE, WALL MOUNTED
	LUMINAIRE, DOWNLIGHT
	LUMINAIRE, SURFACE MOUNTED STRIP
	EXTERIOR LUMINAIRE, WALL MOUNTED
	EXIT LUMINAIRE, WALL / CEILING MOUNTED
	EMERGENCY LUMINAIRE, WALL MOUNTED
	EMERGENCY LUMINAIRE, WALL MOUNTED
	FIRE ALARM DEVICE, CEILING MOUNTED
	FIRE ALARM DEVICE, WALL MOUNTED
	FIRE ALARM DEVICE, CEILING MOUNTED
F	FIRE ALARM PULL STATION

GENERAL SHEET NOTES

- ALL T-BAR CEILINGS ARE ACT-1 UNLESS NOTED OTHERWISE
- ALL GYPSUM BOARD CEILINGS ARE TO BE PAINTED FLAT WHITE
- ALL METAL DECKING TO REMAIN UNFINISHED
- REFER TO ELECTRICAL DRAWINGS FOR LIGHTING LAYOUT
- REFER TO MECHANICAL DRAWINGS FOR DIFFUSER LAYOUT

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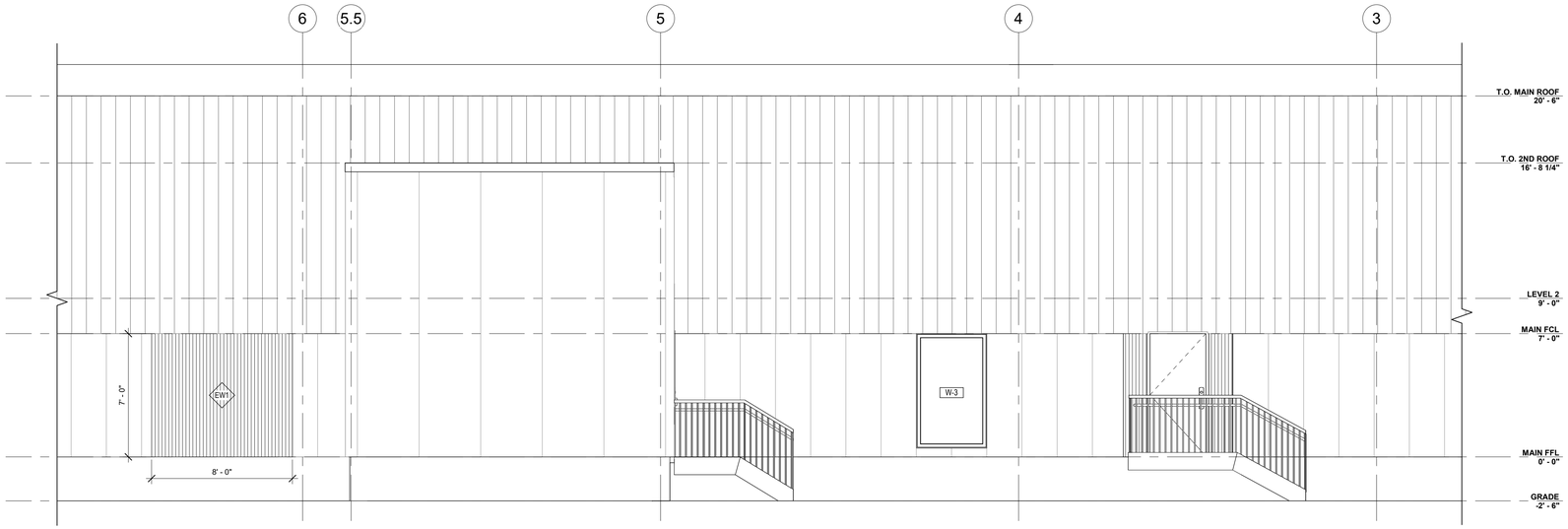
Project Title: Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Reflected Ceiling Plans

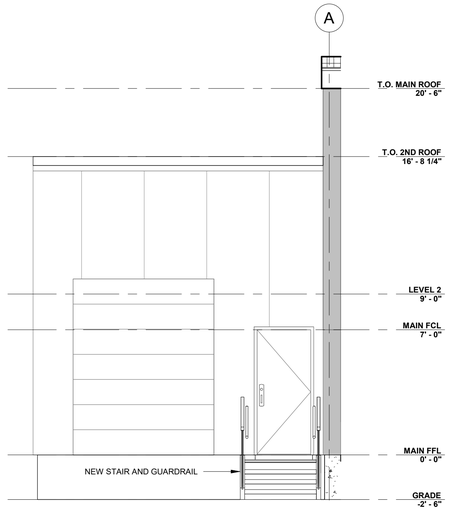
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1 / A250 ELEVATION 1
1/4" = 1'-0"



2 / A250 ELEVATION 2
1/4" = 1'-0"

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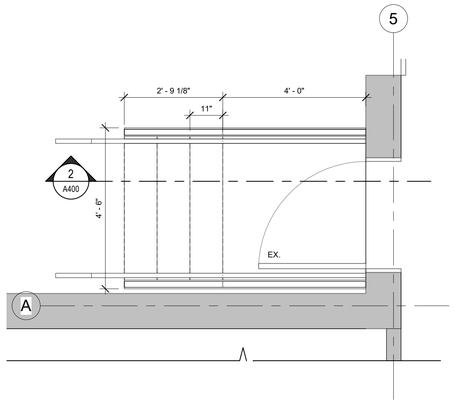
Project Title: Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Enlarged Exterior Elevations

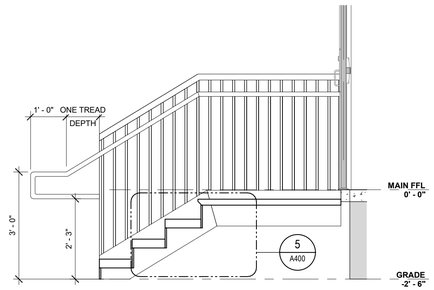
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Drn By: SJ/KAH
Chk By: SDM
Rev. No.: 0
Project Number: 261102
Drawing Number: A250

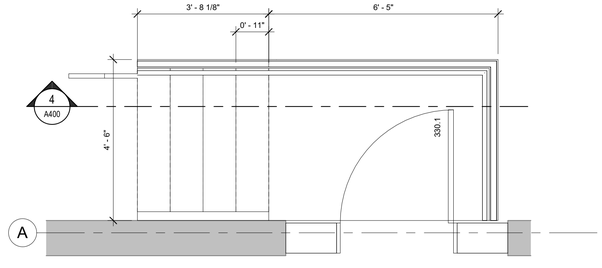
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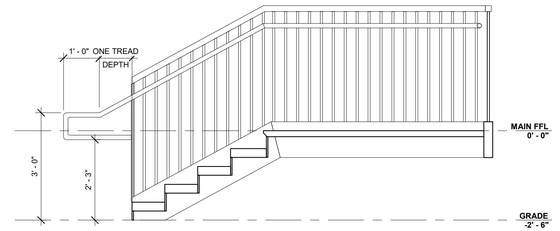
1 / A400 — STAIR 01 - ENLARGED PLAN
1/2" = 1'-0"



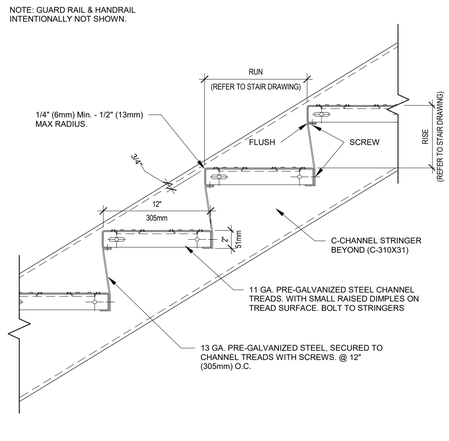
2 / A400 — STAIR 01 - SECTION
1/2" = 1'-0"



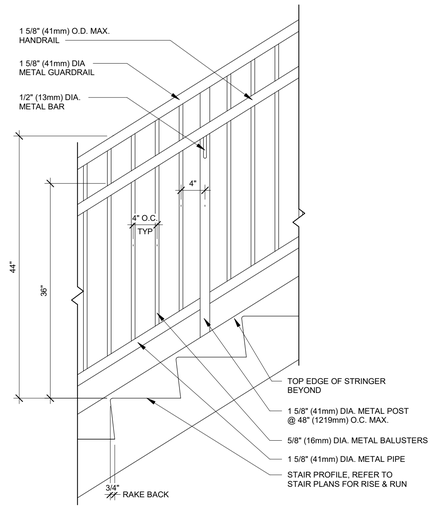
3 / A400 — STAIR 02 - ENLARGED PLAN
1/2" = 1'-0"



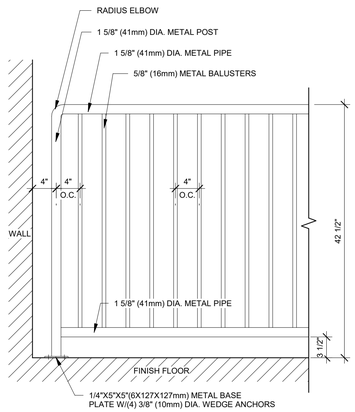
4 / A400 — STAIR 02 - SECTION
1/2" = 1'-0"



5 / A400 — TREAD / RISER SECTION @ STAIR - METAL CHANNEL
1 1/2" = 1'-0"



6 / A400 — GUARDRAIL & HANDRAIL ELEV.
1" = 1'-0"



7 / A400 — GUARDRAIL ELEV. @ WALL
1" = 1'-0"

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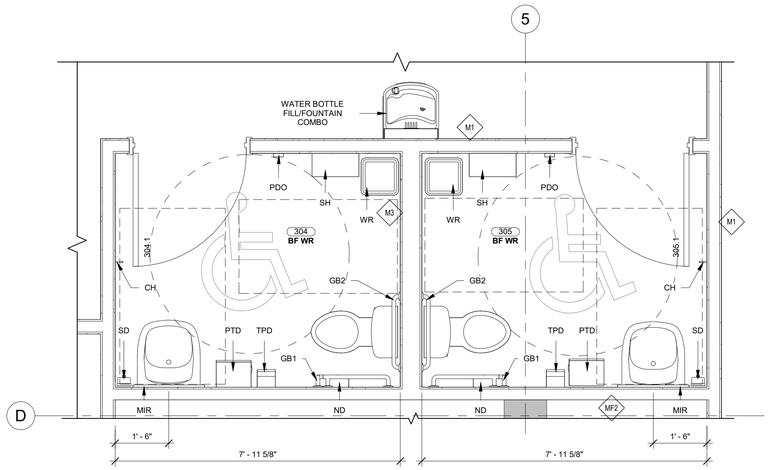
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Sheet Title: Vertical Circulation

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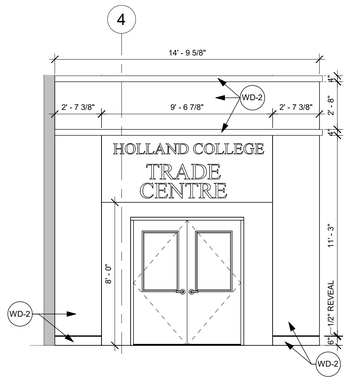
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Project Number: 261102
Drawing Number: A400

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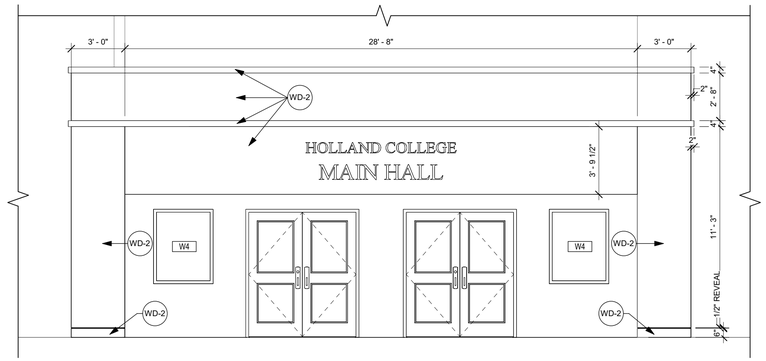


1 A500 B/F W/R - 304 & 305
1/2" = 1'-0"

WASHROOM ACCESSORIES	
CH	COAT HOOK
ND	FEMININE NAPKIN DISPOSAL BIN
PTD	PAPER TOWEL DISPENSER
PDO	POWER DOOR OPERATOR
SH	SHELF
SD	SOAP DISPENSER
TPD	TOILET PAPER DISPENSER
WR	WASTE RECEPTACLE
GB1	30" 'L' GRAB BAR BESIDE TOILET
GB2	24" GRAB BAR OVER TOILET
MIR	MIRROR



2 A500 ELEVATION - INTERIOR TRADE CENTRE ENTRANCE
1/4" = 1'-0"



3 A500 ELEVATION - FOOD HALL ENTRANCE
1/4" = 1'-0"

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Client: Holland College

Project Title: Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Enlarged Washroom Plan & Interior Elevations

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Chk By: SDM
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PLUMBING LEGEND

- SANITARY (SAN)
- CONDENSATE (COND)
- DOMESTIC COLD WATER (DCW)
- DOMESTIC HOT WATER (DHW)
- DOMESTIC HOT WATER RECIRCULATION (DHWR)
- FD — FLOOR DRAIN (FD)
- CLEANOUT (CO)
- FFD — FUNNEL FLOOR DRAIN (FFD)
- WALL CLEANOUT
- L-? — FIXTURE TAG
- PIPE DROP
- PIPE RISER
- PIPE CONTINUATION
- TIE IN POINT (T.I.P.)
- WATER METER
- ISOLATION VALVE
- BALL VALVE
- CHECK VALVE
- REDUCED PRESSURE BACKFLOW PREVENTER
- PUMP
- PIPE CAP
- PRESSURE RELIEF VALVE

VENTILATION LEGEND

- LOW VOLTAGE CONTROL WIRING
- T — THERMOSTAT (LOW VOLTAGE)
- T — THERMOSTAT (LINE VOLTAGE)
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST DIFFUSER
- SUPPLY DUCT RISER
- RETURN DUCT RISER
- EXHAUST DUCT RISER
- S - ? / ? — SUPPLY DIFFUSER TAG, TYPE ? ? CFM (LPS)
- R/E - ? / ? — RETURN/EXHAUST DIFFUSER TAG, TYPE ? ? CFM (LPS)
- BD — BALANCE DAMPER
- TIE IN POINT (T.I.P.)
- FIRE DAMPER
- DIRECTION OF AIRFLOW
- UH-1 — ELECTRIC UNIT HEATER

FIRE PROTECTION LEGEND

- FIRE PROTECTION WET [EXISTING]
- FIRE PROTECTION WET [NEW]
- DEMOLITION LINES
- PENDENT SPRINKLER HEAD [EXISTING]
- UPRIGHT SPRINKLER HEAD [EXISTING]
- PENDENT SPRINKLER HEAD [NEW]
- UPRIGHT SPRINKLER HEAD [NEW]
- SIAMESE FIRE DEPARTMENT CONNECTION
- PIPE DROP
- PIPE RISER
- PIPE CONTINUATION
- TIE IN POINT (T.I.P.)
- AUXILIARY DRAIN VALVE
- F.E. — WALL MOUNTED FIRE EXTINGUISHER
- FLUSHING CONNECTION
- PIPE CAP
- CONCENTRIC REDUCER

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Client: Holland College

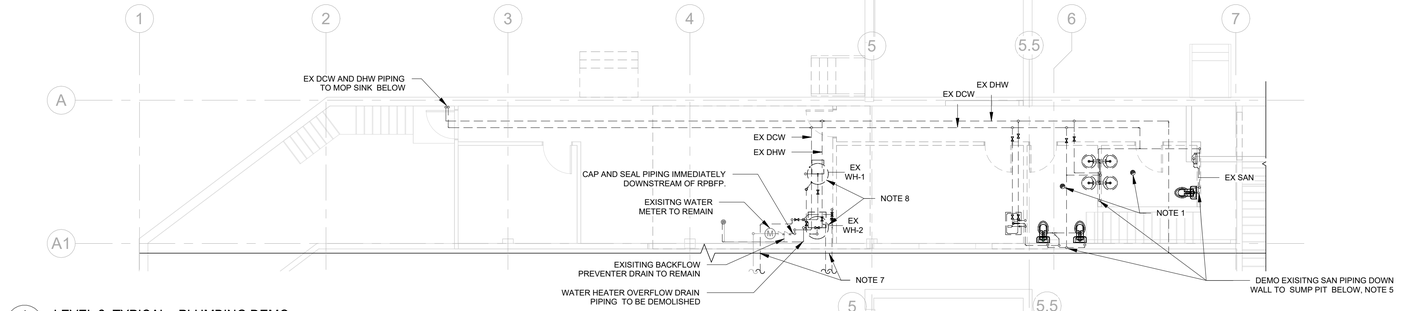
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98 Water Street, Summerside, PE

Sheet Title: Legends

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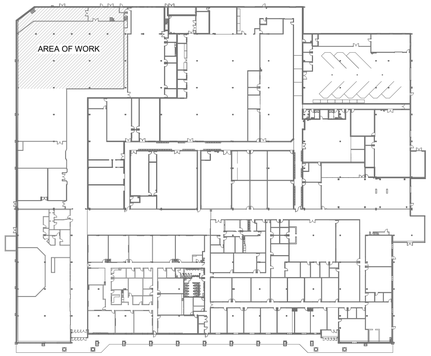
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Dm By: MM/ JRN
Chk By: MGC
Rev. No.: 0
Project Number: 261102
Drawing Number: M001

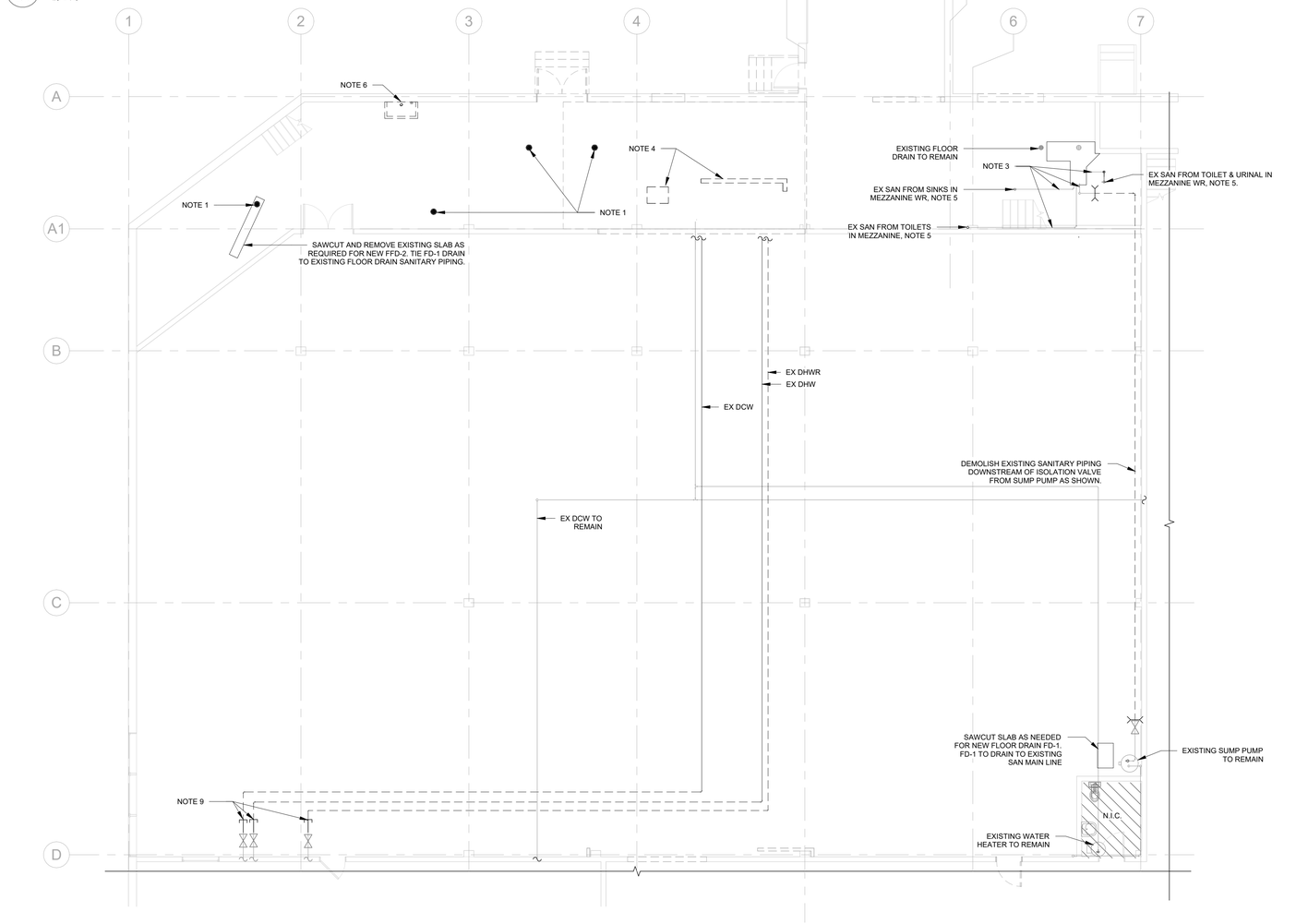
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1 M010 LEVEL 2, TYPICAL - PLUMBING DEMO

1/8" = 1'-0"



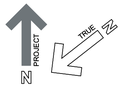


2 M010 MAIN FLOOR - PLUMBING DEMO

1/8" = 1'-0"

DEMOLITION PLUMBING NOTES

1. REMOVE FLOOR DRAIN BODIES, CAP PIPING BELOW SLAB/FLOOR LEVEL AND PATCH THE FLOOR SLAB TO MATCH THE SURROUNDING FINISH.
2. DEMOLISH ALL EXISTING WASHROOM AND BREAKROOM FIXTURES (SINKS, WATER CLOSETS/TOILETS, AND URINALS).
3. REMOVE SANITARY DRAINAGE PIPING IN WALLS SERVING DEMO'ED FIXTURES. CUT AND CAP AT THE NEAREST ACCESSIBLE BRANCH CONNECTION TO THE MAIN LINE, AND ABANDON THE REMAINING PIPING IN PLACE.
4. REMOVE TRENCH DRAIN & GREASE SEPARATOR BODY. CAP AND SEAL OPENING AND PATCH FLOOR TO MATCH SURROUNDING FINISH.
5. ROUTING OF EXISTING CONCEALED SANITARY PIPING IS APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL LOCATIONS AND CONDITIONS IN THE FIELD PRIOR TO STARTING WORK
6. DEMOLISH EXISTING MOP SINK ALONG WITH ALL ASSOCIATED EXPOSED ABOVE-SLAB PLUMBING. CUT AND CAP SANITARY DRAINAGE PIPING AT THE NEAREST ACCESSIBLE BRANCH CONNECTION TO THE MAIN LINE, AND ABANDON THE REMAINING PIPING IN PLACE.
7. REMOVE EXISTING PIPING PENETRATING WALL. PATCH AND REPAIR WALL OPENINGS TO MATCH EXISTING CONSTRUCTION AND FINISH. WHERE WALL IS FIRE RATED, SEAL WITH LISTED FIRESTOP SYSTEM TO MAINTAIN RATING.
8. DEMOLISH EXISTING DOMESTIC WATER HEATERS WH-1 AND WH-2 AND ALL ASSOCIATED DCW, DHW AND RECIRCULATION PIPING, VALVES, EXPANSION TANKS AND RELIEF PIPING. CAP DCW DOWNSTREAM OF BACKFLOW PREVENTER AT ISOLATION VALVE.
9. DEMOLISH EXISTING DCW, DHW AND DHWR PIPING WITHIN SPACE BACK TO ROOM PERIMETER. CUT AND CAP AT WALL. PATCH AND REPAIR WALL TO MATCH EXISTING.



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Client: Holland College

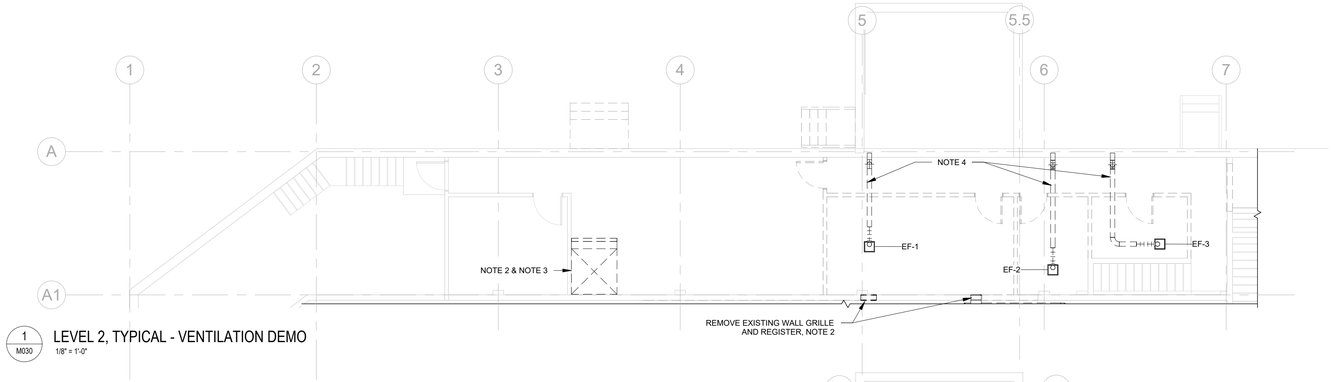
Project Title: Holland College Summerside Waterfront GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Plumbing Demolition Plan

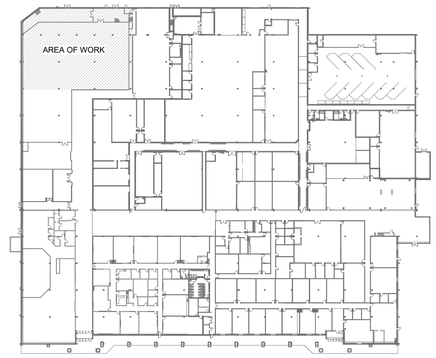
Rev. No.:	Issued for:	Date: (YYYY-MM-DD)
0	Tender	2026-10-29

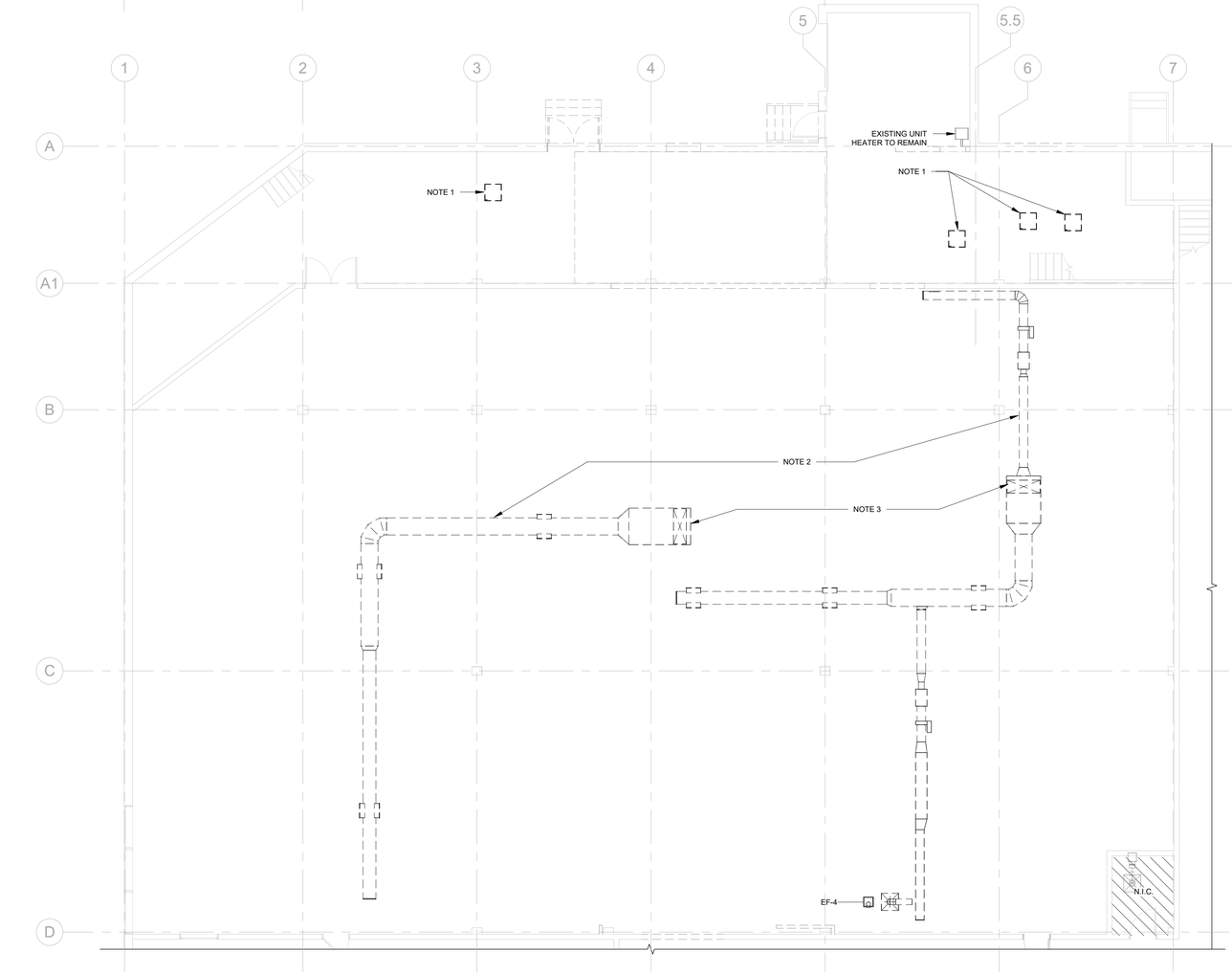
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Dm By: MM/ JRN
Chk By: MGC
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Project Number: 261102
Drawing Number: M010

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1 M030 LEVEL 2, TYPICAL - VENTILATION DEMO
1/8" = 1'-0"

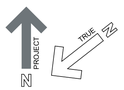




2 M030 MAIN FLOOR - VENTILATION DEMO
1/8" = 1'-0"

DEMOLITION VENTILATION NOTES

1. DEMOLISH EXISTING CEILING CABINET UNIT HEATERS COMPLETE WITH ASSOCIATED HEATING WATER PIPING / CONTROLS. CAP PIPING AT NEAREST MAIN. PATCH AND REPAIR CEILING OPENINGS TO MATCH EXISTING.
2. DEMO ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK, AND AIR TERMINALS. PATCH AND REPAIR ALL WALL PENETRATIONS TO MATCH THE EXISTING CONTRUCTION.
3. ROOF REPAIR BY OTHERS.
4. REMOVE EXISTING EXHAUST FAN ASSOCIATED DUCTWORK SERVING WASHROOMS AND BREAKROOM, INCLUDING ALL ASSOCIATED EXTERIOR LOUVERS. PATCH AND SEAL OPENINGS ON THE OUTER WALL TO MATCH EXISTING CONSTRUCTION. ENSURING A WEATHER-TIGHT FINISH FLUSH WITH ADJACENT EXTERIOR SURFACES.



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Seal: PROFESSIONAL ENGINEER — The Association of Professional Engineers of Prince Edward Island — Michael Cottreau — 1539 — Date 2026-10-29 — Province of Prince Edward Island — # 261102

Client: Holland College

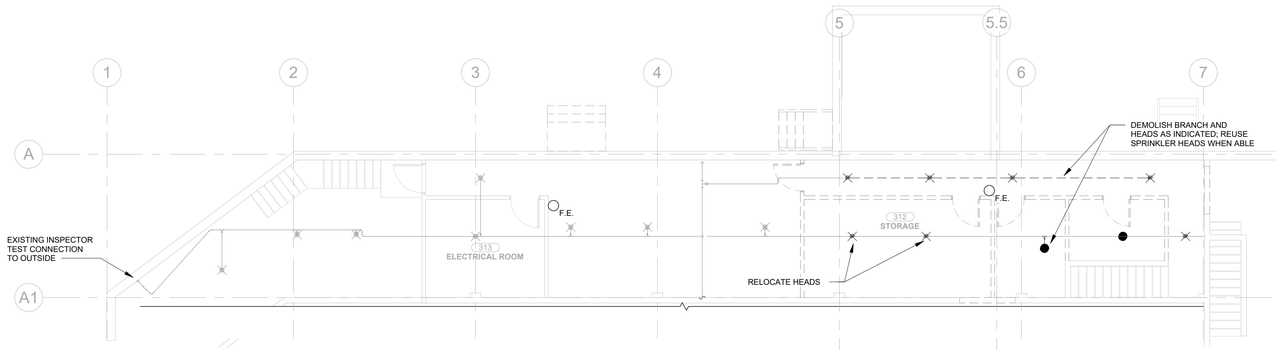
Project Title: Holland College Summerside Waterfront GreenBuild Trade Expansion
98 Water Street, Summerside, PE

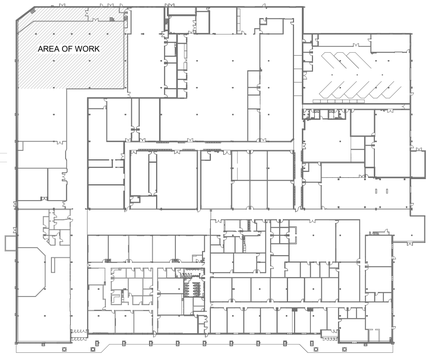
Sheet Title: Ventilation Demolition Plan

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Dm By: MM/ JRN
Chk By: MGC
Rev. No.: 0
Project Number: 261102
Drawing Number: M030

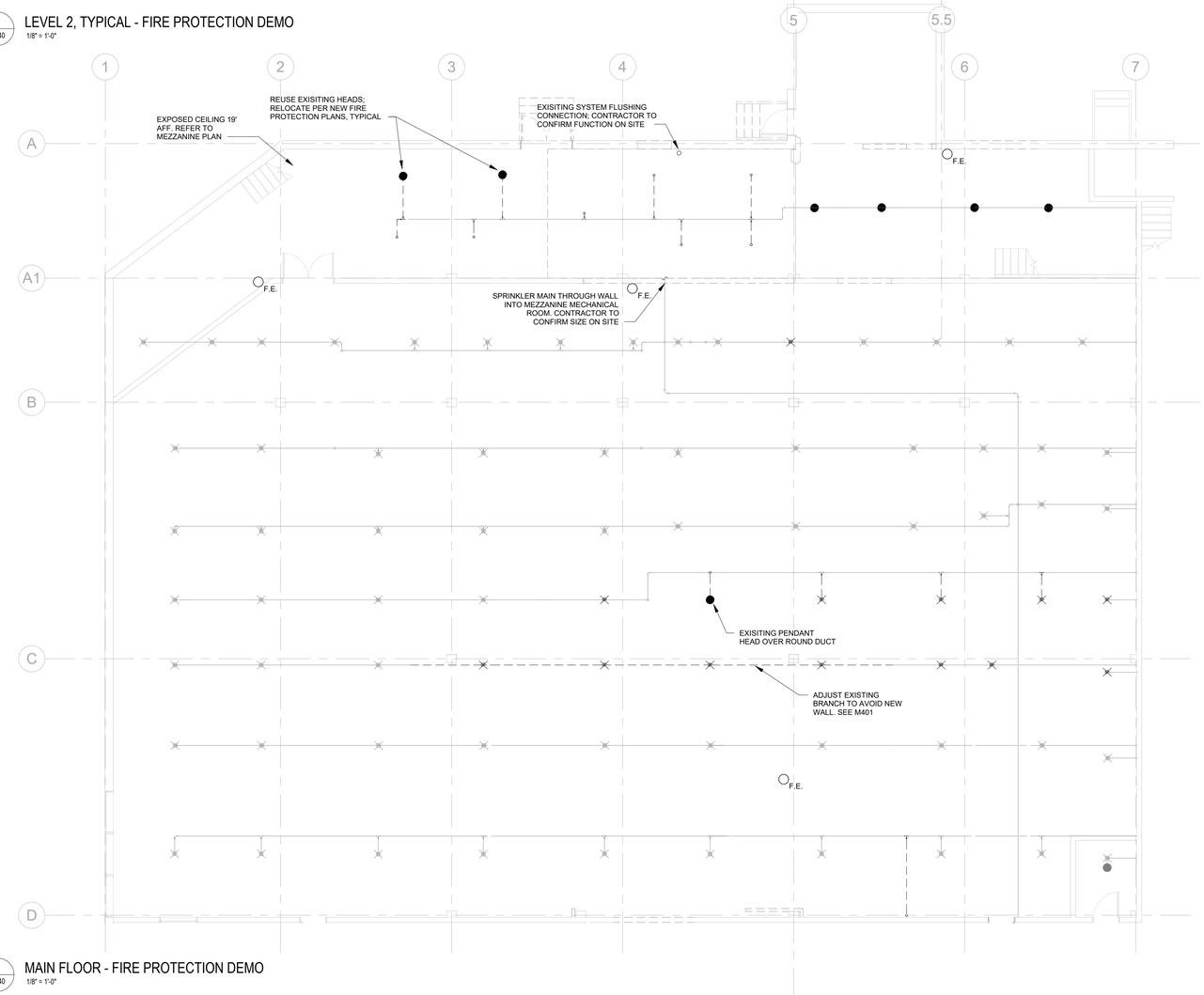
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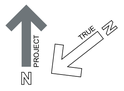
1 M040 LEVEL 2, TYPICAL - FIRE PROTECTION DEMO

1/8" = 1'-0"



2 M040 MAIN FLOOR - FIRE PROTECTION DEMO

1/8" = 1'-0"



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Client: Holland College

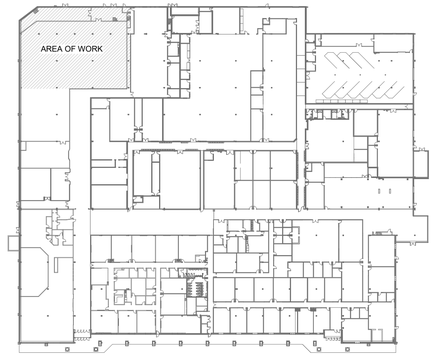
Project Title: Holland College Summerside Waterfront GreenBuild Trade Expansion
98 Water Street, Summerside, PE

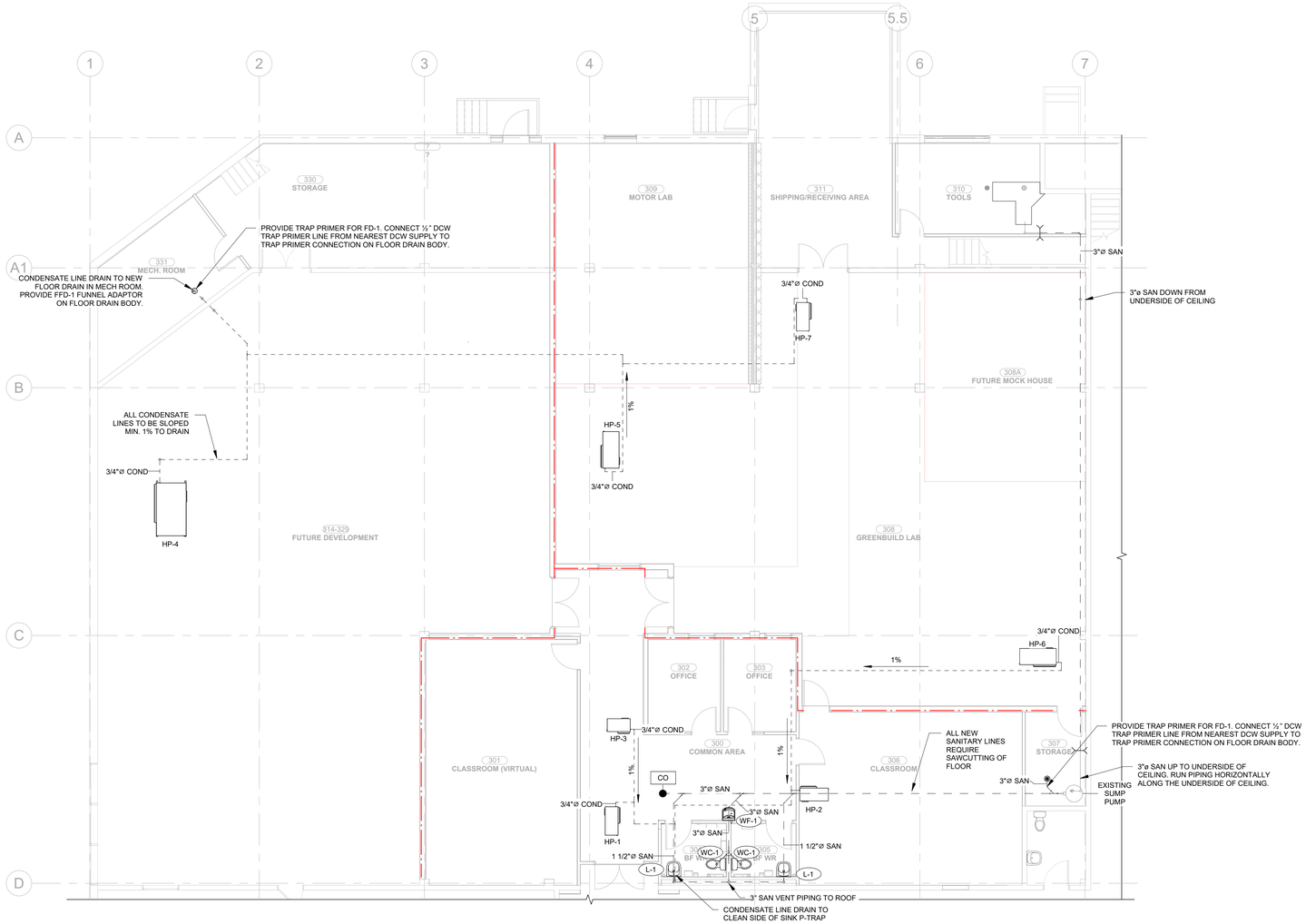
Sheet Title: Fire Protection Demolition Plan

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Chk By: MGC
Rev. No.: 0
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Drawing Number: M040

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1 M100 MAIN FLOOR - PLUMBING SANITARY NEW
1/8" = 1'-0"

GENERAL PLUMBING NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL PLUMBING CODE, NBCC, AND ALL AUTHORITIES HAVING JURISDICTION (A.H.J.). PROVIDE FOR ALL TESTS, PERMITS, FEES AND INSPECTIONS REQUIRED BY A.H.J.
2. PROVIDE TRAP PRIMERS AS PER CODE. PROVIDE ALL TRAP PRIMING LINES, INSTALL IN ACCORDANCE WITH THE LATEST EDITION OF NATIONAL PLUMBING CODE OF CANADA AND CSA B64.
3. INSTALL ESCUTCHEONS WHERE PIPES PASS THRU WALLS, FLOORS, ETC. AS REQUIRED.
4. COORDINATE FULLY ALL WORK WITH GENERAL CONTRACTOR AND ALL OTHER TRADES AS CEILING SPACE IS EXTREMELY LIMITED.
5. PROVIDE LOCKABLE ACCESS HATCHES (FIRE RATED WHERE REQUIRED) FOR ALL SERVICE LOCATIONS. SUPPLY KEYS TO OWNER C/W PROPER IDENTIFICATION.
6. PROVIDE ALL PIPING OFFSETS AS REQ'D TO FACILITATE ON SITE COORDINATION.
7. COORDINATE FINAL LOCATIONS WITH ARCHITECTURAL ELEVATIONS, MILLWORK, ACCESSIBILITY REQUIREMENTS, AND OWNER-SUPPLIED EQUIPMENT.
8. CONTRACTOR TO COORDINATE ALL INVERTS WITH GENERAL CONTRACTOR.
9. CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS AND SERVICE LOCATIONS PRIOR TO COMMENCING WORK.
10. ALL PIPING SYSTEMS SHALL BE PRESSURE TESTED AND INSPECTED IN ACCORDANCE WITH CODE PRIOR TO CONCEALMENT..
11. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED INDUSTRY PRACTICES.
12. PROVIDE FIRESTOPPING FOR ALL PIPE PENETRATIONS THROUGH FIRE-RATED WALLS, FLOORS, CEILINGS, SHAFTS, AND ASSEMBLIES. FIRESTOPPING SHALL BE ULC-LISTED AND SUITABLE FOR THE PIPE MATERIAL, PENETRATION TYPE, AND REQUIRED RATING. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLIES.
13. PROVIDE WATER HAMMER ARRESTORS AT QUICK-CLOSING VALVES, FLUSH VALVES, APPLIANCES, AND FIXTURE GROUPS IN ACCORDANCE WITH CODE, MANUFACTURER'S REQUIREMENTS, AND SPECIFICATIONS.
14. PROVIDE ALL EXCAVATION, BEDDING, BACKFILLING, COMPACTION, AND SURFACE RESTORATION REQUIRED FOR THE WORK OF THIS CONTRACT, UNLESS NOTED OTHERWISE. COORDINATE WITH GENERAL CONTRACTOR.

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Seal: PROFESSIONAL ENGINEER — The Association of Professional Engineers of Prince Edward Island — Province of Prince Edward Island — Michael Cottreau 1539 — 2026-10-29 Date — # 261102

Client: Holland College

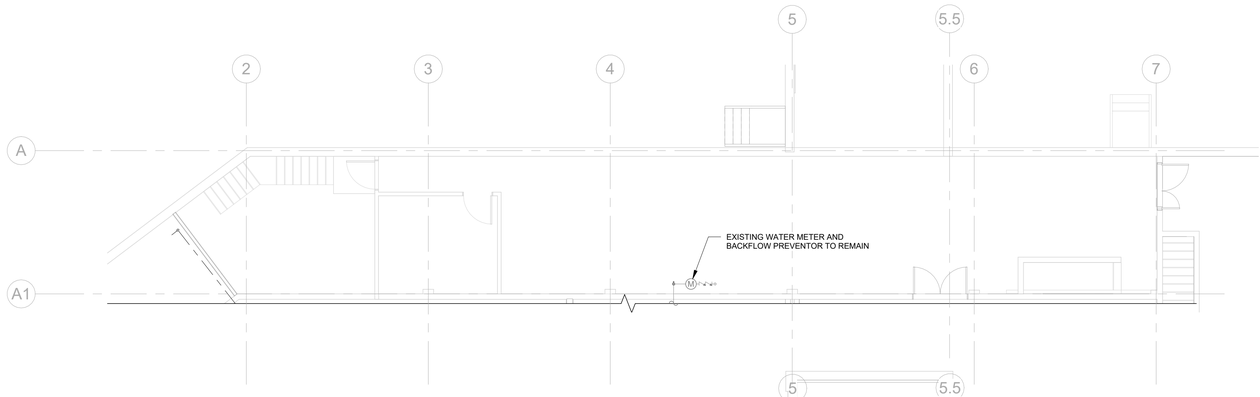
Project Title: Holland College Summerside Waterfront GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Plumbing - Sanitary

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0	Tender	2026-10-29

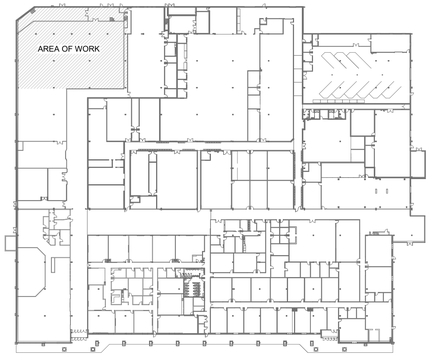
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Chk By: MGC
Rev. No.: 0
Project Number: 261102
Drawing Number: M100

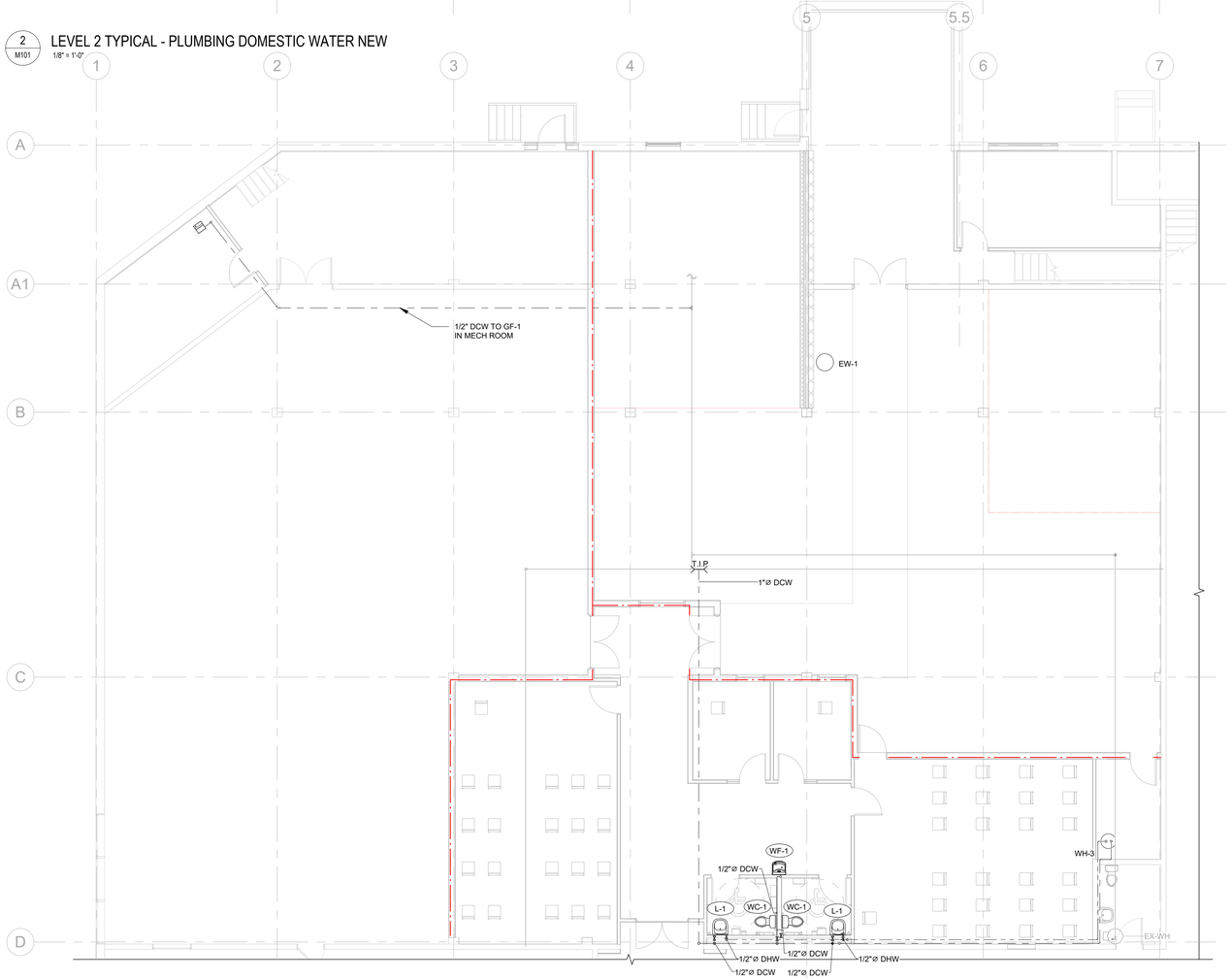
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2 M101 LEVEL 2 TYPICAL - PLUMBING DOMESTIC WATER NEW

1/8" = 1'-0"





1 M101 MAIN FLOOR - PLUMBING DOMESTIC WATER NEW

1/8" = 1'-0"

GENERAL PLUMBING NOTES

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5. PROVIDE LOCKABLE ACCESS HATCHES (FIRE RATED WHERE REQUIRED) FOR ALL SERVICE LOCATIONS. SUPPLY KEYS TO OWNER C/W PROPER IDENTIFICATION.
6. PROVIDE ALL PIPING OFFSETS AS REQ'D TO FACILITATE ON SITE COORDINATION.
7. COORDINATE FINAL LOCATIONS WITH ARCHITECTURAL ELEVATIONS, MILLWORK, ACCESSIBILITY REQUIREMENTS, AND OWNER-SUPPLIED EQUIPMENT.
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11. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED INDUSTRY PRACTICES.
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13. PROVIDE WATER HAMMER ARRESTORS AT QUICK-CLOSING VALVES, FLUSH VALVES, APPLIANCES, AND FIXTURE GROUPS IN ACCORDANCE WITH CODE, MANUFACTURER'S REQUIREMENTS, AND SPECIFICATIONS.
14. PROVIDE ALL EXCAVATION, BEDDING, BACKFILLING, COMPACTION, AND SURFACE RESTORATION REQUIRED FOR THE WORK OF THIS CONTRACT, UNLESS NOTED OTHERWISE. COORDINATE WITH GENERAL CONTRACTOR.

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Client: Holland College

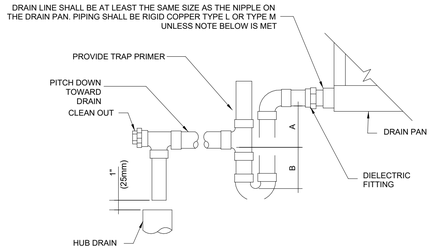
Project Title: Holland College Summerside Waterfront GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Plumbing - Domestic Water

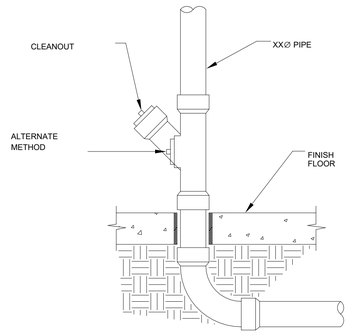
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Rev. No.: 0
Project Number: 261102
Drawing Number: M101

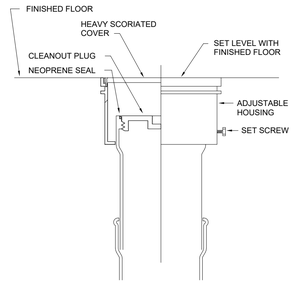
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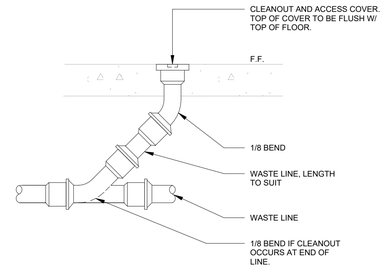
1 M102 DRAIN TRAP DETAIL
N.T.S.



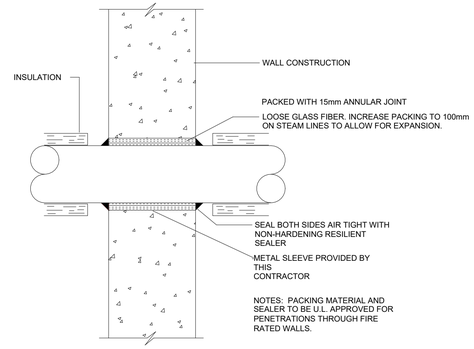
2 M102 VERTICAL CLEANOUT
N.T.S.



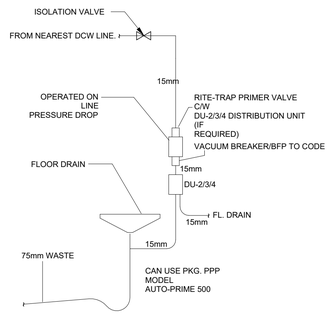
3 M102 FLOOR CLEANOUT DETAIL
N.T.S.



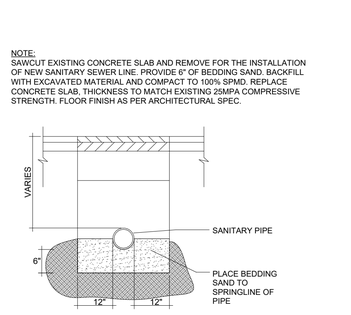
4 M102 FLOOR CLEANOUT
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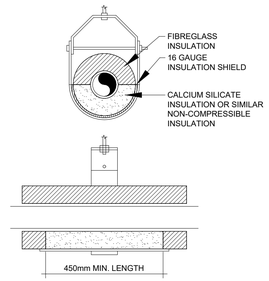
5 M102 FIRE SEPERATION PENETRATION FOR PIPES (TYP.)
N.T.S.



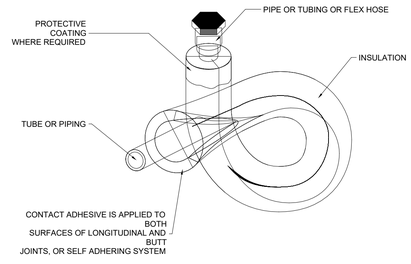
6 M102 TRAP PRIMER
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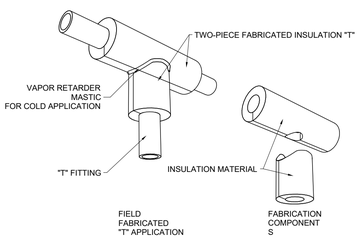
7 M102 TRENCHING SANITARY AND STORM PIPE
N.T.S.



8 M102 PIPE HANGER INSULATION
N.T.S.



9 M102 FLEXIBLE FOAM PIPE INSULATION
N.T.S.



10 M102 FIELD FABRICATED "T" INSULATION
N.T.S.

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Client: Holland College

Project Title: Holland College Summerside Waterfront GreenBuild Trade Expansion
98 Water Street, Summerside, PE

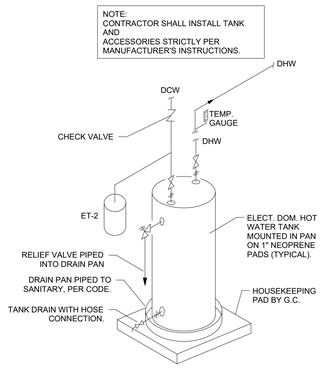
Sheet Title: Plumbing - Details

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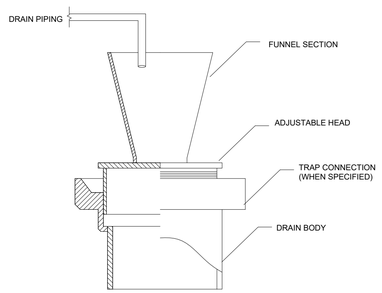
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Project Number: 261102
Drawing Number: M102

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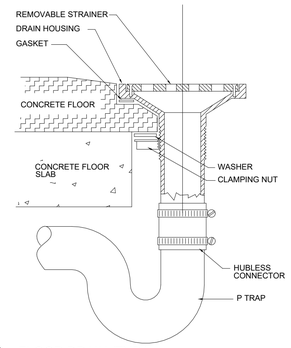
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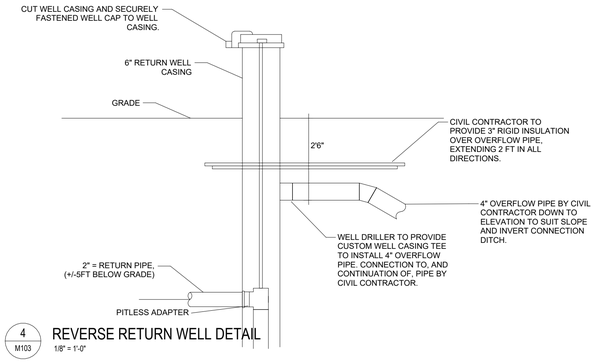
1 M103 ELECTRIC HOT WATER HEATER PIPING
N.T.S.



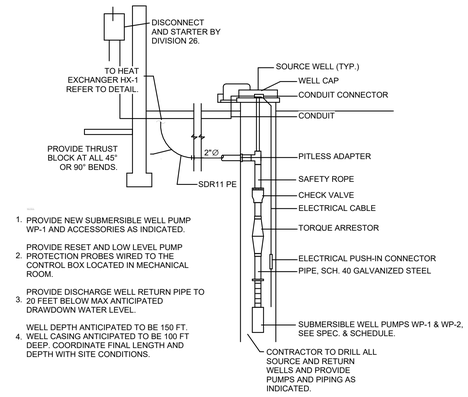
2 M103 FUNNEL FLOOR DRAIN (TYP.)
N.T.S.



3 M103 FLOOR DRAIN (TYP.)
N.T.S.



4 M103 REVERSE RETURN WELL DETAIL
1/8" = 1'-0"



1. PROVIDE NEW SUBMERSIBLE WELL PUMP WP-1 AND ACCESSORIES AS INDICATED.
2. PROVIDE RESET AND LOW LEVEL PUMP PROTECTION PROBES WIRED TO THE CONTROL BOX LOCATED IN MECHANICAL ROOM.
3. PROVIDE DISCHARGE WELL RETURN PIPE TO 20 FEET BELOW MAX ANTICIPATED DRAWDOWN WATER LEVEL.
4. WELL DEPTH ANTICIPATED TO BE 150 FT. WELL CASING ANTICIPATED TO BE 100 FT DEEP. COORDINATE FINAL LENGTH AND DEPTH WITH SITE CONDITIONS.

5 M103 WP-1 PUMP DETAIL
1/2" = 1'-0"

ELECTRIC WATER HEATER SCHEDULE

TAG	BASIS OF DESIGN	RATED STORAGE CAPACITY (GAL)	FIRST HOUR RATING (GPH)	INPUT POWER (kW)	ELECTRICAL (V/Ph/Hz)	DIMENSIONS			WATER CONNECTIONS (IN)	NOTES
						HEIGHT (IN)	DIAMETER (IN)	WEIGHT (Lb)		
WH-3	AO SMITH DURA-POWER DEL-10	10	21	3	208/1/60	18-1/4	18	54	3/4	SINGLE 3KW ELEMENT, LOWBOY.NSF/CAN-61 CERTIFIED FOR POTABLE WATER USE. - COMPLETE WITH FACTORY TEMPERATURE AND PRESSURE RELIEF VALVE PIPED INDIRECT TO DRAIN. - MOUNTED ON DRAIN PAN - MEETS OR EXCEEDS NATIONAL ENERGY CODE 2020 - COMPLETE WITH FACTORY INSULATION AND JACKET.

PLUMBING FIXTURE SCHEDULE

TAG	TYPE	MATERIAL	BASIS OF DESIGN	SAN (IN)	VENT (IN)	DCW (IN)	DHW (IN)	TRIM TYPE	NOTE
L-1	WALL HUNG LAVATORY SINGLE HOLE BARRIER FREE	VIT. CHINA	ZURN Z5324; DELTA 591-PALGHDF-HW	1.5"	1.25"	0.5"	0.5"	HARDWIRED ELECTRONIC FAUCET	C/W OFFSET P-TRAP ASSEMBLY WITH CLEANOUT, GRID STRAINER, THERMOSTATIC MIXING VALVE, 1/4 TURN WALL STOP VALVES, 0.5 GPM FLOW. PROVIDE CONCEALED WALL CARRIER, SHROUD. INSULATED TRAP/ SUPPLY PROTECTORS, RIGID SUPPLIES, 5" CHROME STUBBS, ESCUTCHEON, MIXING VALVE TO BE CONCEALED IN WALL WITH ACCESS HATCH.
WC-1	FLOOR MOUNT, TANK TYPE SEAT AND LID BARRIER FREE	VIT. CHINA	GERBER MAXWELL GWS20918	3"	1.5"	0.5"	NA	NA	TANK TYPE WATER CLOSET, 1.28GPF, TWO PIECES, ELONGATED, BARRIER FREE. PROVIDE WATER STOP, WAXLESS RING,OPEN FRONT SEAT WITH LID, SST HARDWARE
WF-1	WATER FOUNTAIN WITH BOTTLE FILLING	-	ELKAY LZS8WSLK	1.25"		0.5"			WALL MOUNTED, STAINLESS STEEL FILTERED, REFRIGERATED DRINKING FOUNTAIN, WITH ONE SENSOR ACTIVATED BOTTLE FILLER WITH AUTOMATIC 20 SECOND SHUT OFF TIMER AND ONE PUSH BAR ACTIVATED BUBBLER, 120V/1PH
FD-1	FLOOR DRAIN	-	ZURN ZN 415B5P	3"		-		-	3" DURA-COATED CAST IRON FLOOR DRAIN, TRAP PRIMER, NICKEL BRONZE STRAINER
FFD-2	FUNNEL ADAPTER FOR EXISTING FLOOR DRAIN	-	ZURN ZN 415 BF-P	3"	-			-	EXISTING FLOOR DRAIN BODY TO REMAIN. REMOVE EXISTING STRAINER AND PROVIDE FUNNEL STRAINER / FUNNEL ADAPTOR TO SUIT EXISTING BODY. CONTRACTOR TO VERIFY SIZE AND CONDITION. CLEAN AND FLOW TEST. PROVIDE TRAP SEAL DEVICE. IF EXISTING BODY CANNOT ACCEPT ADAPTOR, REPLACE WITH NEW FUNNEL FLOOR DRAIN.
EW-1	EYEWASH WALL STATION (SINGLE BOTTLE)	-	ULINE H-8849	-	-	-	-	-	16 OZ SINGLE-BOTTLE SALINE EYEWASH WALL STATION, 14" H × 11" W × 4" D. C/W STARTER BOTTLE OF SALINE SOLUTION, WALL-MOUNT STATION AND HARDWARE. WALL MOUNTED, LOCATION AS SHOWN IN M101. NO PLUMBING CONNECTION REQUIRED

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Client: Holland College

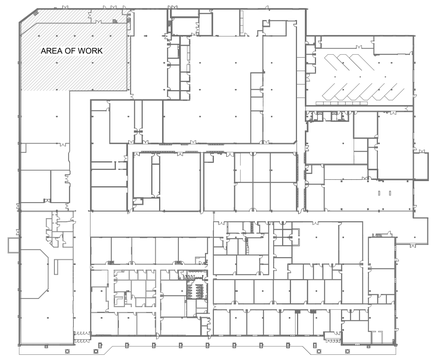
Project Title: Holland College Summerside Waterfront GreenBuild Trade Expansion
98 Water Street, Summerside, PE

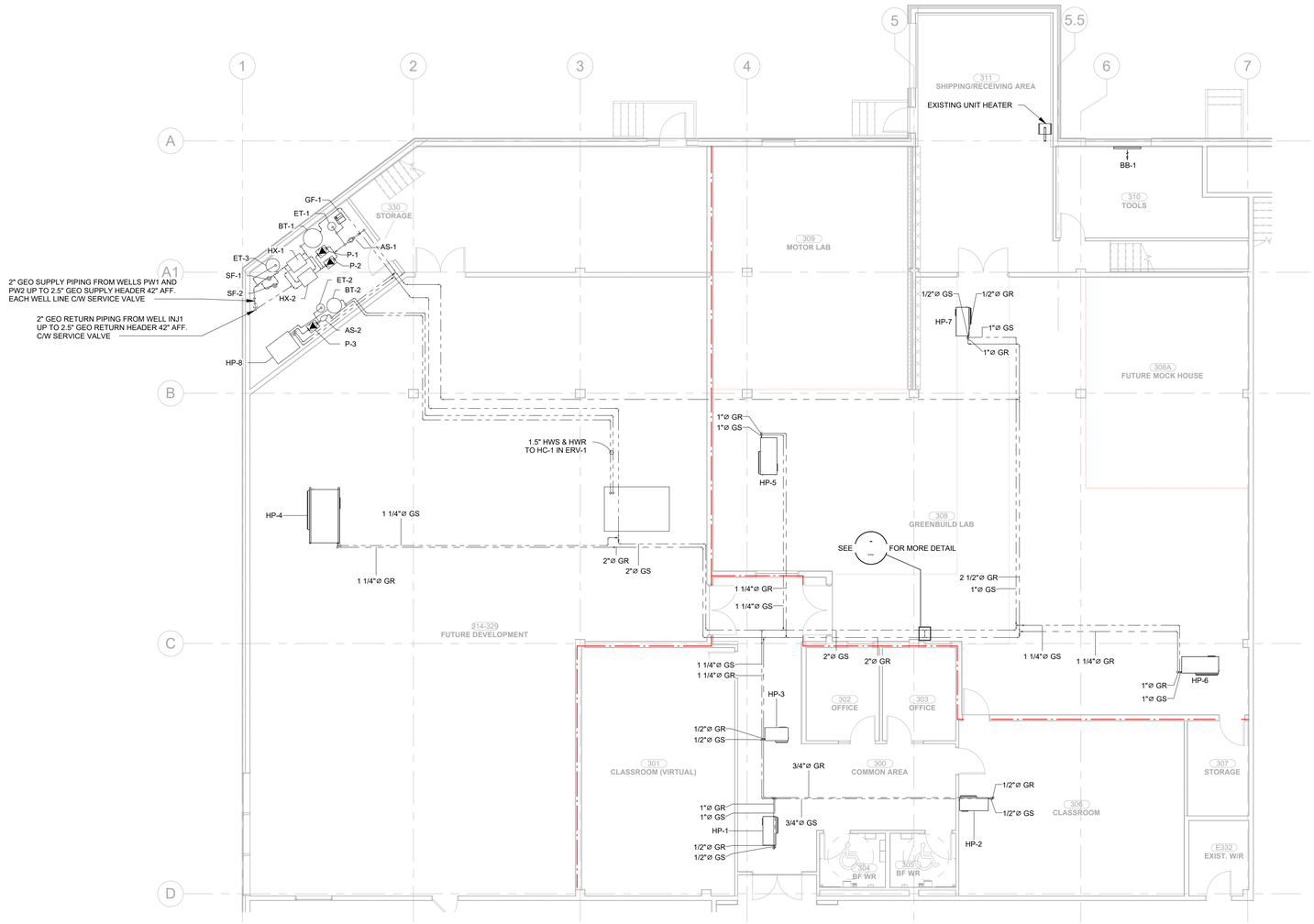
Sheet Title: Plumbing - Details & Schedules

Rev. No.:	Issued for:	Date: (YYYY-MM-DD)
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Scale: As indicated
Drn By: MM/ JRN
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Rev. No.: 0
Project Number: 261102
Drawing Number: M103

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1 / M200 MAIN FLOOR - HYDRONIC SUPPLY & RETURN
1/8" = 1'-0"

GENERAL HEATING NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR PARTITION SCHEDULE AND FIRE SEPARATIONS. PROVIDE FIRESTOPPING FOR ALL PIPING PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES. FIRESTOPPING SHALL BE SUITABLE FOR THE PIPE MATERIAL AND REQUIRED RATING.
2. ALL HEATING LINES TO BE 3/4" ø UNLESS OTHERWISE NOTED.
3. INSTALL ANCHORS, GUIDES AND EXPANSION U-BENDS IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. COORDINATE PIPE EXPANSION WITH SUPPORTS, BUILDING STRUCTURE, AND EQUIPMENT CONNECTIONS.
4. ALL PIPING TO BE INSULATED AS PER SPECIFICATIONS WITH VAPOUR BARRIER PROVIDE PVC JACKET WHERE EXPOSED. ALL VALVES, STRAINERS, PUMPS, FLEX HOSES, EXPANSION TANKS, ETC TO BE FULLY INSULATED. PROVIDE CALCIUM SILICATE OR INCOMPRESSIBLE INSULATION UNDER HANGERS.
5. ALL RADIATION EQUIPMENT TO HAVE ISOLATION BALL VALVES INSTALLED. INCLUDING BASEBOARDS, REHEAT COILS, FAN COIL UNITS, UNIT HEATERS, CABINET HEATERS, AND OTHER TERMINAL HEATING EQUIPMENT.
6. LOCATE THERMOSTATS 4FT - 6" ABOVE FINISHED FLOOR LEVEL. COORDINATE FINAL PLACEMENT WITH ELECTRICAL SWITCHES. DO NOT LOCATE THERMOSTATS IN DIRECT SUNLIGHT, NEAR HEAT SOURCES, SUPPLY AIR STREAMS, EXTERIOR DOORS, OR OTHER LOCATIONS THAT MAY AFFECT ACCURATE SENSING.
7. CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS AND SERVICE LOCATIONS PRIOR TO COMMENCING WORK.
8. PROVIDE AIR VENTS AT ALL HIGH POINTS AND DRAINS AT ALL LOW POINTS IN HYDRONIC SYSTEMS. PROVIDE ACCESS TO ALL MANUAL AIR VENTS, AUTOMATIC AIR VENTS, DRAINS, AND SERVICE VALVES.
9. PROVIDE BALANCING VALVES AND COMMISSION HYDRONIC SYSTEM TO ACHIEVE DESIGN FLOW RATES.
10. ALL HEATING SYSTEMS SHALL BE FLUSHED, FILLED, AND PURGED PRIOR TO START-UP. PROVIDE CHEMICAL CLEANING, WATER TREATMENT, GLYCOL, AND INHIBITORS AS SPECIFIED. PROVIDE START-UP REPORTS.
11. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER 'S INSTRUCTIONS AND RECOMMENDATIONS.
12. PROVIDE GLYCOL FILL AND TESTING AS REQUIRED. CONFIRM CONCENTRATION PRIOR TO START-UP.
13. ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING.
14. PROVIDE ISOLATION VALVES, UNIONS/FLANGES, STRAINERS, PRESSURE/TEMPERATURE TEST PORTS, AND SERVICE CLEARANCES AT PUMPS, COILS, HEAT EXCHANGERS, MIXING VALVES, CONTROL VALVES, AND EQUIPMENT CONNECTIONS AS REQUIRED FOR OPERATION AND MAINTENANCE.
15. COORDINATE ALL HYDRONIC CONTROL VALVES, ACTUATORS, THERMOSTATS, SENSORS, SAFETIES, AND INTERLOCKS WITH CONTROLS CONTRACTOR AND ELECTRICAL CONTRACTOR.
16. PROVIDE IDENTIFICATION FOR PIPING, VALVES, EQUIPMENT, FLOW DIRECTION, GLYCOL SYSTEMS, AND SERVICE DEVICES IN ACCORDANCE WITH SPECIFICATIONS.
17. SUPPORT ALL PIPING AND EQUIPMENT INDEPENDENTLY FROM CEILING SYSTEMS. DO NOT SUPPORT PIPING FROM DUCTWORK, CONDUIT, CEILING GRID, OR OTHER TRADES' WORK.
18. PROVIDE ALL REQUIRED PIPING OFFSETS, FITTINGS, TRANSITIONS, AND ACCESSORIES REQUIRED FOR A COMPLETE, COORDINATED, AND OPERATIONAL SYSTEM.

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Seal: PROFESSIONAL ENGINEER — The Association Of Professional Engineers Of The Province Of Prince Edward Island — Michael Cottreau — 1539 — 2026-10-29 DATE — PROVINCE OF PRINCE EDWARD ISLAND — # 261102

Client: Holland College

Project Title: Holland College Summerside Waterfront GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Heating - Hydronic Supply & Return

Rev. No.:	Issued for:	Date: (YYYY-MM-DD)
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Rev. No.: 0
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Drawing Number: M200

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NOTE:
AS PER THE "ENVIRONMENTAL PROTECTION ACT WATER WELL REGULATIONS" (EPA WWR):

1. NEW WELLS
  1.1. LOCATIONS
    1.1.1. SUBJECT TO SECTION 5 OF THE EPA WWR, NO WELL CONTRACTOR OR WELL DRILLER SHALL CONSTRUCT A WELL AT A LOCATION:
      1.1.1.1. WHERE THE CENTRE LINE OF THE WELL, EXTENDED VERTICALLY, DOES NOT CLEAR A PROJECTION FROM ANY BUILDING BY AT LEAST 3m;
      1.1.1.2. INSIDE A FOUNDATION OR STRUCTURE; OR
      1.1.1.3. IN A LOCATION WHERE SURFACE WATER OTHER THAN RAINWATER WILL PASS OVER THE TOP OF THE WELL.
  1.2. DISTANCE FROM CONTAMINATED SOURCES
    1.2.1. NO WELL CONTRACTOR OR WELL DRILLER SHALL CONSTRUCT A WELL AT A LOCATION THAT IS WITHIN:
      1.2.1.1. 3m OF A SEWER LINE
      1.2.1.2. 6m OF A SEWER COLLECTION MAIN
      1.2.1.3. 100m OF A WASTEWATER TREATMENT SYSTEM
      1.2.1.4. 15m OF A SEPTIC TANK
      1.2.1.5. 15m OF A SEWAGE DISPOSAL FIELD
      1.2.1.6. 15m OF A ROCK PIT
      1.2.1.7. 90m OF A MANURE STORAGE FACILITY
      1.2.1.8. 150m OF A SOLID WASTE DISPOSAL SITE
      1.2.1.9. 5m OF A PETROLEUM STORAGE TANK SYSTEM 1,200 LITRES OR LESS IN SIZE
      1.2.1.10. 15m OF A PETROLEUM STORAGE TANK GREATER THAN 1,200 LITRES IN SIZE
      1.2.1.11. 45m OF A COMMERCIAL CHEMICAL STORAGE FACILITY; OR
      1.2.1.12. 6m OF AN EXISTING OR ABANDONED WELL.

WATER STREET

EX. CONCRETE SIDEWALK

EX. ASPHALT PARKING LOT

IRVING GAS STATION PID 313270

VFD'S FOR WELL PUMPS INSTALLED BY MECHANICAL PER DIV 25 AND WIRED PER DIV 26.

PW2

EX. PROPERTY LINE

PW1

EX. EDGE OF ASPHALT

INJ1

EX. BOARDWALK

EX. TOP OF BANK

2" SDR11 PE GEOTHERMAL PIPING TO INJECTION WELL INJ1

2" SDR11 PE GEOTHERMAL PIPING TO PRODUCTION WELLS PW1 AND PW2

LOCATION OF EX. U/G TELEPHONE LINE APPROX. ONLY. CONTRACTOR TO VERIFY LOCATION & ELEVATION OF LINE PRIOR TO CONSTRUCTION.

EX. U/G TEL LINE

EX. U/G TEL LINE

9.4M E. EASEMENT

EX. ASPHALT PARKING LOT

EX. RIP RAP

U.P.

PP

EX. CONCRETE SIDEWALK

EX. BUILDING
HOLLAND COLLEGE - SUMMERSIDE
WATERFRONT CAMPUS
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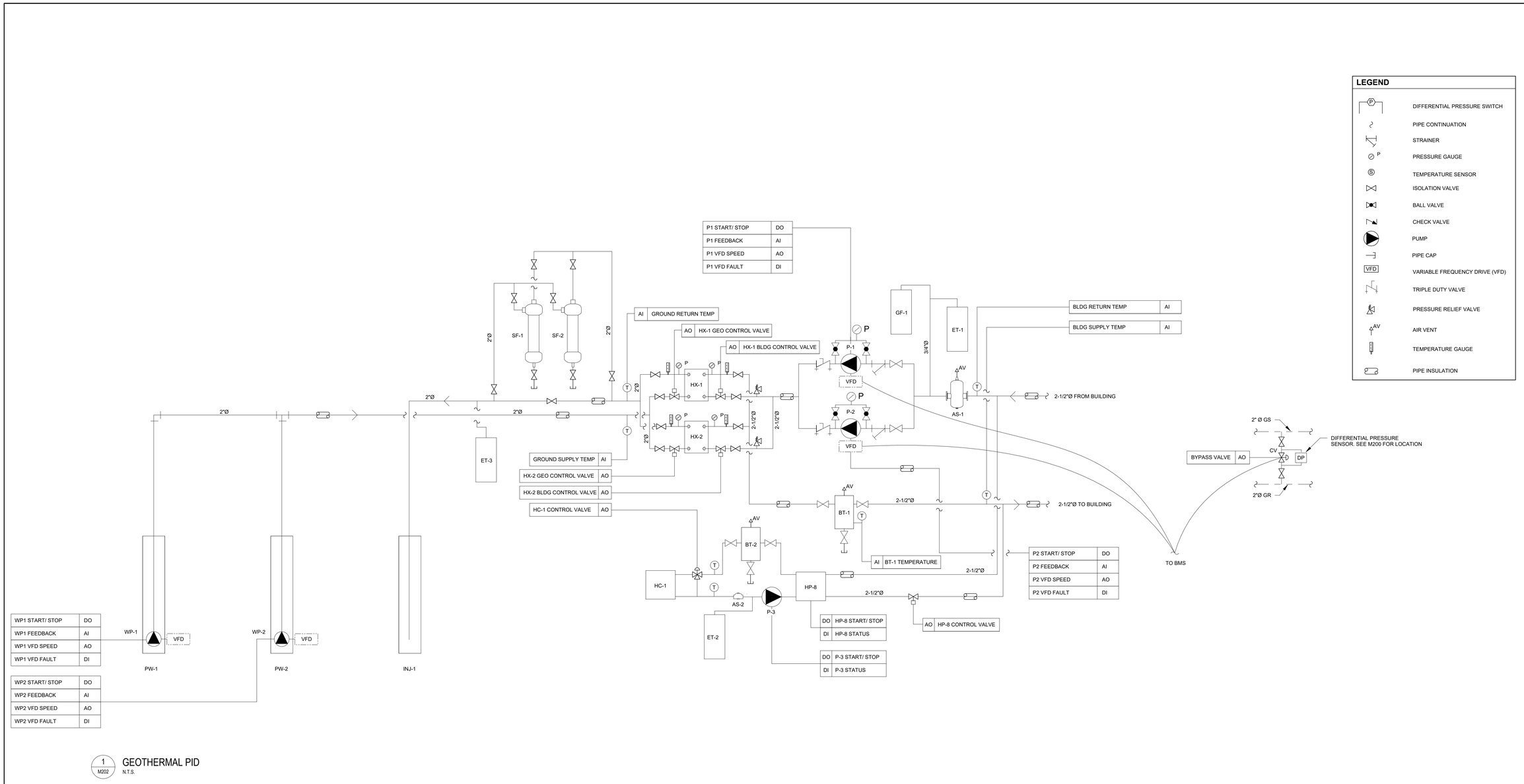
Project Title: Holland College Summerside Waterfront GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Heating - Geothermal Site plan

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1 M202 GEOTHERMAL PID
N.T.S.

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Client: Holland College

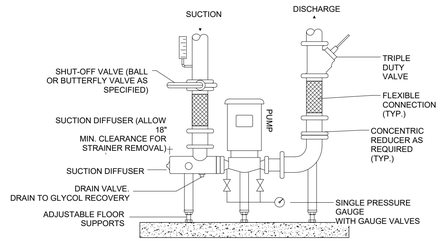
Project Title: Holland College Summerside Waterfront GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Heating - Geothermal PID

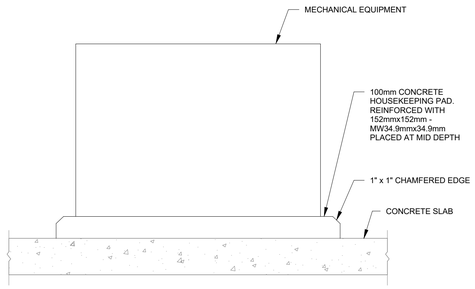
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Drawing Number: M202

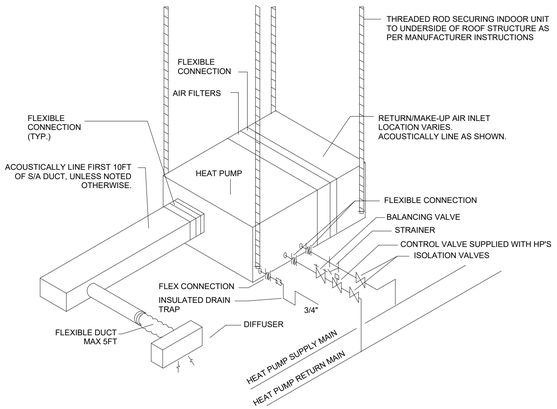
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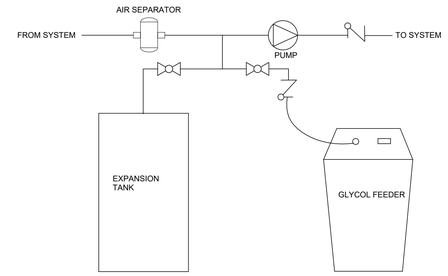
1 M203 VERTICAL PUMP CONNECTION DETAIL
N.T.S.



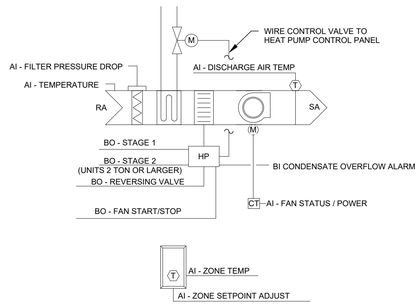
2 M203 HOUSEKEEPING PAD DETAIL
N.T.S.



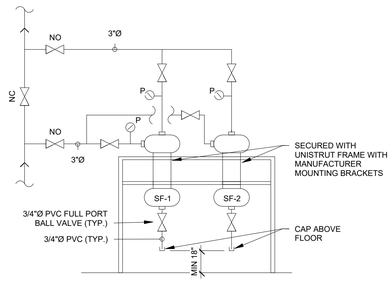
3 M203 TYPICAL HEAT PUMP INSTALLATION
N.T.S.



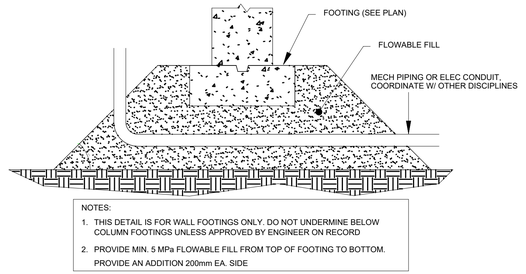
4 M203 GLYCOL FEEDER PIPING ARRANGEMENT
N.T.S.



5 M203 HEAT PUMP CONTROL SCHEMATIC
N.T.S.



6 M203 WATER FILTER DETAIL
N.T.S.



NOTES:
1. THIS DETAIL IS FOR WALL FOOTINGS ONLY. DO NOT UNDERMINE BELOW COLUMN FOOTINGS UNLESS APPROVED BY ENGINEER ON RECORD
2. PROVIDE MIN. 5 MPa FLOWABLE FILL FROM TOP OF FOOTING TO BOTTOM. PROVIDE AN ADDITION 200mm EA. SIDE

7 M203 HEADER PIPE LEAVING BUILDING
3/16" = 1'-0"

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Client: Holland College

Project Title: Holland College Summerside Waterfront GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Heating - Details

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SAND FILTER SCHEDULE

TAG	TYPE	BASIS OF DESIGN		FLUID	FLOWRATE (GPM)	MAX P.D. (FT)	PHYSICAL DATA			NOTES
		MAKE	MODEL				DIA (IN)	HEIGHT (IN)	WEIGHT (Lbs)	
SF-1	CENTRIFUGAL SAND SEPARATOR	LAKOS	ILS-0150	SEA WATER	60	25	6	30	48	1. FILTER TO BE COMPLETE WITH MINIMUM 3/4 INCH BLOWDOWN PORT AND VALVE. 2. CONTRACTOR TO SECURE TO UNISTRUT FRAMING OR WALL USING MANUFACTURER SUPPLIED MOUNTING BRACKETS. 3. PROVIDE 316SS CONSTRUCTION.
SF-2	CENTRIFUGAL SAND SEPARATOR	LAKOS	ILS-0150	SEA WATER	60	25	6	30	48	

WELL PUMP SCHEDULE

TAG	BASIS OF DESIGN	MODEL	USE	FLOW (GPM)	HEAD (FT)	POWER (HP)	FLUID TYPE	RATED CURRENT (A)	ELECTRICAL (V/PH/Hz)	NOTES
WP-1	GRUNDFOS SP PUMP	62S75-17	WELL PUMP	62	325	7.5	SEA WATER	24.5	208/3/60	PUMP FINAL MATERIAL SELECTION TO BE SUBJECT TO WELL WATER TEST. PUMP TO HAVE 316SS WETTED COMPONENTS WITH OPTIONAL 904L COMPONENTS. COMPLETE WITH WALL MOUNTED VFDS. VFD COMPLETE WITH FUSED DISCONNECT, NEMA 12 ENCLOSURE, AND DV/DT FILTER SUPPLIED BY THE VFD MANUFACTURER. WELL PUMP MOTOR TO BE SUPPLIED AND FACTORY CONNECTED WITH WIRING FROM MOTOR TO TOP OF WELL CASING, ALLOW FOR 200 FT WITH FINAL LENGTH TO BE DETERMINED FOLLOWING TEST WELL.
WP-2	GRUNDFOS SP PUMP	62S75-17	WELL PUMP	62	325	7.5	SEA WATER	24.5	208/3/60	

HEATING COIL SCHEDULE

TAG	TYPE	MAKE	CAPACITY (MBH)	TRANSFER SIDE				WATER SIDE					NOTES
				EAT (°F)	LAT (°F)	FLOW (GPM)	MAX P.D. (IN WG)	FLUID	EFT (°F)	LFT (°F)	FLOW (GPM)	MAX P.D. (IN WG)	
HC-1	HYDRONIC HEATING COIL	DIRECT COIL	81.5	48	65	4400	0.15	WATER	120	114	28	5	CONTRACTOR TO CONFIRM ORIENTATION PRIOR TO ORDER

WALL HEATER SCHEDULE

TAG	BASIS OF DESIGN	MODEL	ROOM	OUTPUT (BTU/ HR)	POWER (W)	ELECTRICAL (V/PH/Hz)	NOTES
BB-1	STELPRO	SHC1501W	310 TOOLS	5120	1500	120/1/ 60	WHITE FINISH. C/W FACTORY BUILT-IN ELECTRONIC THERMOSTAT, SURFACE WALL MOUNTED, MIN. 4 " ABOVE FINISHED FLOOR, C/W CONCEALED MOUNTING BRACKET, MAINTAIN MANUFACTURER 'S CLEARANCES

GEOTHERMAL HEAT PUMP SCHEDULE

TAG	MANUFACTURER / MODEL	LOCATION	AIRFLOW (CFM)	FLUID FLOW (GPM)	FLUID PRESSURE DROP (FT H2O)	COOLING CAPACITY (Btu/h)	EER @ DESIGN	HEATING CAPACITY (Btu/h)	COP @ DESIGN	TOTAL EX. STATIC PRESSURE (IN H2O)	MOCP	MCA	ELECTRICAL (V/Hz/Ph)	FLUID TYPE	NOTES
HP-1	DAIKIN WSCH019	300 COMMON AREA	640	4.00	12	18,491	15.2	17,881	4.1	0.3	15	11.8	208–230/60/1	20% PROPYLENE GLYCOL	CUPRO-NICKEL HEAT EXCHANGER INNER TUBE, HEAT PUMP UNIT CONTROLLER W/ BACNET, SOUND PACKAGE, MERV 8 FILTER, HOSE KIT W/ STRAINER AND VALVE, TWO WAY NORMALLY CLOSED, FAILS OPEN CONTROL VALVE KIT. CONTRACTOR TO CONFIRM UNIT ORIENTATION PRIOR TO ORDER.
HP-2	DAIKIN WSCH019	306 CLASSROOM	560	2.50	6	17,735	14.3	16,881	3.8	0.3	15	11.8	208–230/60/1	20% PROPYLENE GLYCOL	
HP-3	DAIKIN WSCH012	300 COMMON AREA	406	1.50	2	12,837	12.6	13,235	3.5	0.2	15	7.9	208–230/60/1	20% PROPYLENE GLYCOL	
HP-4	DAIKIN WSLH096	314-329 FUTURE DEVELOPMENT	3200	26.00	20	94,880	14.6	95,330	4.1	0.54	45	33.8	208–230/60/3	20% PROPYLENE GLYCOL	HEAT PUMP UNIT CONTROLLER W/ BACNET, SOUND PACKAGE, MERV 8 FILTER, HOSE KIT W/ STRAINER AND VALVE, TWO WAY NORMALLY CLOSED, FAILS OPEN CONTROL VALVE KIT. CONTRACTOR TO CONFIRM UNIT ORIENTATION PRIOR TO ORDER.
HP-5	DAIKIN WSDH048	309 MOTOR LAB	1700	14.00	18	47,245	14	50,682	4	0.3	30	20.9	208–230/60/3	20% PROPYLENE GLYCOL	CUPRO-NICKEL HEAT EXCHANGER INNER TUBE, HEAT PUMP UNIT CONTROLLER W/ BACNET, SOUND PACKAGE, MERV 8 FILTER, HOSE KIT W/ STRAINER AND VALVE, TWO WAY NORMALLY CLOSED, FAILS OPEN CONTROL VALVE KIT. CONTRACTOR TO CONFIRM UNIT ORIENTATION PRIOR TO ORDER.
HP-6	DAIKIN WSDH048	308 GREENBUILD LAB	1700	8.00	6	46,970	13.3	46,816	3.8	0.3	30	20.9	208–230/60/3	20% PROPYLENE GLYCOL	
HP-7	DAIKIN WSDH048	308 GREENBUILD LAB	1600	7.00	5	46,544	13.3	45,838	3.8	0.3	30	20.9	208–230/60/3	20% PROPYLENE GLYCOL	

WATER TO WATER HEAT PUMP SCHEDULE

TAG	TYPE	MAKE	MODEL	CAPACITY (MBH)	COP HEATING	SOURCE SIDE					TRANSFER SIDE					DIMENSIONS				ELECTRICAL		NOTES
						FLUID	EFT (°F)	LFT (°F)	FLOW (GPM)	MAX P.D. (FT)	FLUID	EFT (°F)	LFT (°F)	FLOW (GPM)	MAX P.D. (FT)	HEIGHT (INCH)	WIDTH (INCH)	DEPTH (INCH)	WEIGHT (LBS)	V/PH/HZ	FLA	
HP-8	WATER TO WATER	NORDIC	W-100	81.5	3.0	20% PROP. GLYCOL	38	33	28	20	WATER	114	120	28	20	46	46	36	700	208/3/60	29.4	ALL

NOTES:
1. CONTROLLED BY BMS. PROVIDE ALL REQUIRED ACCESSORIES FOR BACNET COMMUNICATION.
2. PROVIDE HOUSE KEEPING PAD AND VIBRATION ISOLATION PADS.

GLYCOL SYSTEM FEEDER SCHEDULE

TAG	SERVICE	BASIS OF DESIGN		LOCATION	TANK VOLUME (GAL)	MAX PRESSURE (psig)	ELECTRICAL (V/PH/Hz)	PHYSICAL DATA				NOTES
		MAKE	MODEL					HEIGHT (IN)	LENGTH (IN)	WIDTH (IN)	CONNECTION (IN)	
GF-1	GEOTHERMAL LOOP	AXIOM	SF100	331 MECH ROOM	60	50	120/1/60	48	24	24	1/2	MOUNT ON HOUSEKEEPING PAD. PROVIDE LOW LEVEL ALARM PANEL C/W REMOTE MONITORING DRY CONTACTS AND SELECTABLE AUDIBLE ALARM. PROVIDE INTEGRAL FILL VALVE WITH PRV AND BACKFLOW PREVENTION

PUMP SCHEDULE

TAG	BASIS OF DESIGN	MODEL	USE	FLOW (GPM)	HEAD (FT)	POWER (HP)	FLUID TYPE	ELECTRICAL (V/PH/Hz)	NOTES
P-1	B&G	E-80 2X2X9.5C	GROUND LOOP CIRCULATION PUMP (DUTY)	65	65	5	20% PROPYLENE GLYCOL	208/3/60	PROVIDE INTEGRAL FACTORY VFD COMPLETE WITH NEMA 12 ENCLOSURE, MOTOR VIBRATION DAMPENING, SHAFT GROUNDING RINGS. PROVIDE FACTORY SUCTION DIFFUSER AND TRIPLE DUTY VALVE. MOUNTED ON HOUSEKEEPING PAD. PROVIDE MECHANICAL SEALS AND WETTED MATERIALS COMPATIBLE WITH SCHEDULED FLUID, GLYCOL CONCENTRATION, AND OPERATING TEMPERATURE. MAINTAIN CLEARANCE FOR REMOVAL OF MOTOR AND MECHANICAL SEAL AND FOR VFD SERVICING. INSTALL ON HOUSEKEEPING PAD WITH MANUFACTURER-APPROVED PUMP SUPPORTS. SUPPORT SUCTION AND DISCHARGE PIPING INDEPENDENTLY OF PUMP.
P-2	B&G	E-80 2X2X9.5C	GROUND LOOP CIRCULATION PUMP (STANDBY)	65	65	5	20% PROPYLENE GLYCOL	208/3/60	PROVIDE INTEGRAL FACTORY VFD COMPLETE WITH NEMA 12 ENCLOSURE, MOTOR VIBRATION DAMPENING, SHAFT GROUNDING RINGS. PROVIDE FACTORY SUCTION DIFFUSER AND TRIPLE DUTY VALVE. MOUNTED ON HOUSEKEEPING PAD. PROVIDE MECHANICAL SEALS AND WETTED MATERIALS COMPATIBLE WITH SCHEDULED FLUID, GLYCOL CONCENTRATION, AND OPERATING TEMPERATURE. MAINTAIN CLEARANCE FOR REMOVAL OF MOTOR AND MECHANICAL SEAL AND FOR VFD SERVICING. INSTALL ON HOUSEKEEPING PAD WITH MANUFACTURER-APPROVED PUMP SUPPORTS. SUPPORT SUCTION AND DISCHARGE PIPING INDEPENDENTLY OF PUMP.
P-3	B&G	E-90 1AAB	HEATING COIL LOOP	28.5	40	1	WATER	208/1/60	CONSTANT SPEED. IMPELLER TRIMMED TO DUTY POINT. SUPPORT SUCTION AND DISCHARGE PIPING INDEPENDENTLY OF PUMP.

TANK SCHEDULE

TAG	TYPE	MAKE	MODEL	LOCATION	WORKING FLUID	TANK VOLUME (GAL)	MAX OPERATING TEMPERATURE (°C)	MAX. WORKING PRESSURE (PSI)	PRE-CHARGE PRESSURE (PSI)	DIAMETER (IN)	HEIGHT (IN)	SHIPPING WEIGHT (Lbs)	CONNECTION SIZE (IN)	NOTES
ET-1	PARTIAL ACCEPTANCE BLADDER WELL-X-TROL	AMTROL	WX-50CL	331 MECH ROOM	20% PROP. GLYCOL	13	115	125	25	12	37	76	1-1/4	ALLOW FOR 18 IN CLEARANCE ABOVE TANK FOR PIPING SYSTEM CONNECTION. COMPLETE WITH ASME AND PEI CRN CERTIFICATION. MOUNT ON HOUSEKEEPING PAD.
ET-2	HYDRONIC EXPANSION TANK EXTROL	AMTROL	AX-15V-DD	331 MECH ROOM	WATER	2	115	125	12	12	22	38	3/4	ALLOW FOR 18 IN CLEARANCE ABOVE TANK FOR PIPING SYSTEM CONNECTION. COMPLETE WITH ASME AND PEI CRN CERTIFICATION. MOUNT ON HOUSEKEEPING PAD.
ET-3	HYDRONIC EXPANSION TANK EXTROL	AMTROL	200-L	331 MECH ROOM	WATER	53	115	125	12	24	38	190	1	ALLOW FOR 18 IN CLEARANCE ABOVE TANK FOR PIPING SYSTEM CONNECTION. COMPLETE WITH ASME AND PEI CRN CERTIFICATION. MOUNT ON HOUSEKEEPING PAD.
BT-1	2-PORT BUFFER TANK	TACO	BUFFMAX 50	331 MECH ROOM	20% PROP. GLYCOL	50	-	125	-	20	43	190	2-1/2	-
BT-2	2-PORT BUFFER TANK	TACO	BUFFMAX 50	331 MECH ROOM	WATER	50	-	125	-	20	43	190	2-1/2	-

AIR SEPARATOR SCHEDULE

TAG	TYPE	BASIS OF DESIGN		LOCATION	FLUID		PHYSICAL DATA				NOTES
		MAKE	MODEL		WORKING FLUID	MAX. PRESSURE DROP (FT H2O)	DIA (IN)	HEIGHT (IN)	WEIGHT (Lbs)	CONNECTION SIZE (IN)	
AS-1	AIR AND DIRT	TACO	49025AD-125	331 MECH ROOM	20% PROPYLENE GLYCOL	5	10	16-1/2	50	2-1/2	PROVIDE FACTORY BLOWDOWN PORT AND VALVE. PROVIDE FACTORY AUTOMATIC AIR VENT.COMPLETE WITH ASME AND PEI CRN CERTIFICATION.
AS-2	AIR SCOOP	TACO	433	331 MECH ROOM	WATER	5	8	6	7	1/2	PROVIDE FACTORY AUTOMATIC AIR VENT

HYDRONIC HEAT EXCHANGER SCHEDULE

TAG	TYPE	MAKE	MODEL	HEAT TRANSFER CAP. (MBH)	SOURCE SIDE					TRANSFER SIDE					DIMENSIONS					NOTES
					FLUID	EFT (°F)	LFT (°F)	FLOW (GPM)	MAX P.D. (FT)	FLUID	EFT (°F)	LFT (°F)	FLOW (GPM)	MAX P.D. (FT)	HEIGHT (INCH)	WIDTH (INCH)	DEPTH (INCH)	WEIGHT (LBS)	CONN. (INCH)	
HX-1	PLATE AND FRAME	BELL & GOSSETT	P31	263.8	SEA WATER	45	37	62	10	20% PROP. GLYCOL	35	41	91	10	59	18	24	900	2.5 MALE NPT	ALL
HX-2	PLATE AND FRAME	BELL & GOSSETT	P31	263.8	SEA WATER	45	37	62	10	20% PROP. GLYCOL	35	41	91	10	59	18	24	900	2.5 MALE NPT	ALL

NOTES:
1. PROVIDE ALUMINUM SHROUD
2. PROVIDE 10% EXCESS SURFACE AREA AND MINIMUM 20% EXTRA FRAME CAPACITY
3. PROVIDE TITANIUM PLATES AND MATERIALS IN CONTACT WITH SEA WATER

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Seal: PROFESSIONAL ENGINEER — Michael Cottreau 1539 — 2026-10-29 DATE — PROVINCE OF PRINCE EDWARD ISLAND — # 261102

Client: Holland College

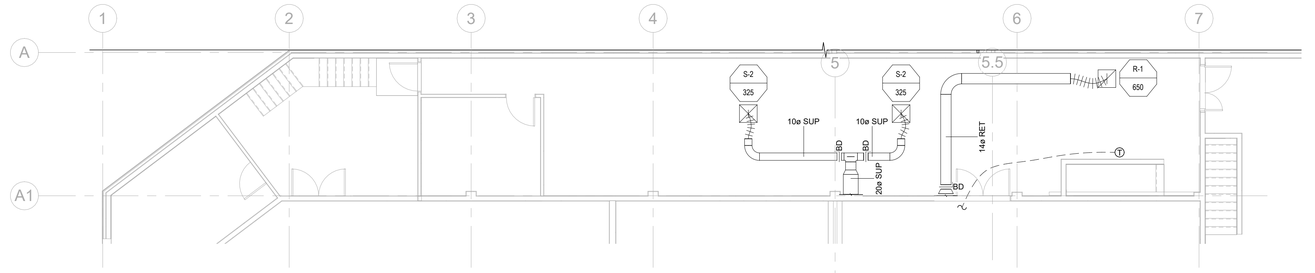
Project Title: Holland College Summerside Waterfront GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Heating - Schedules

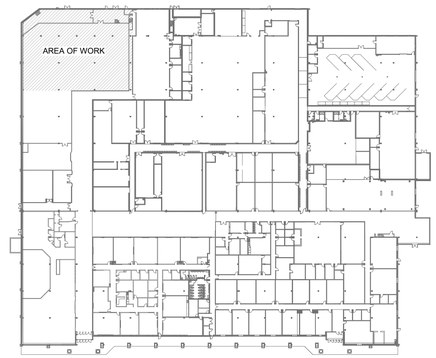
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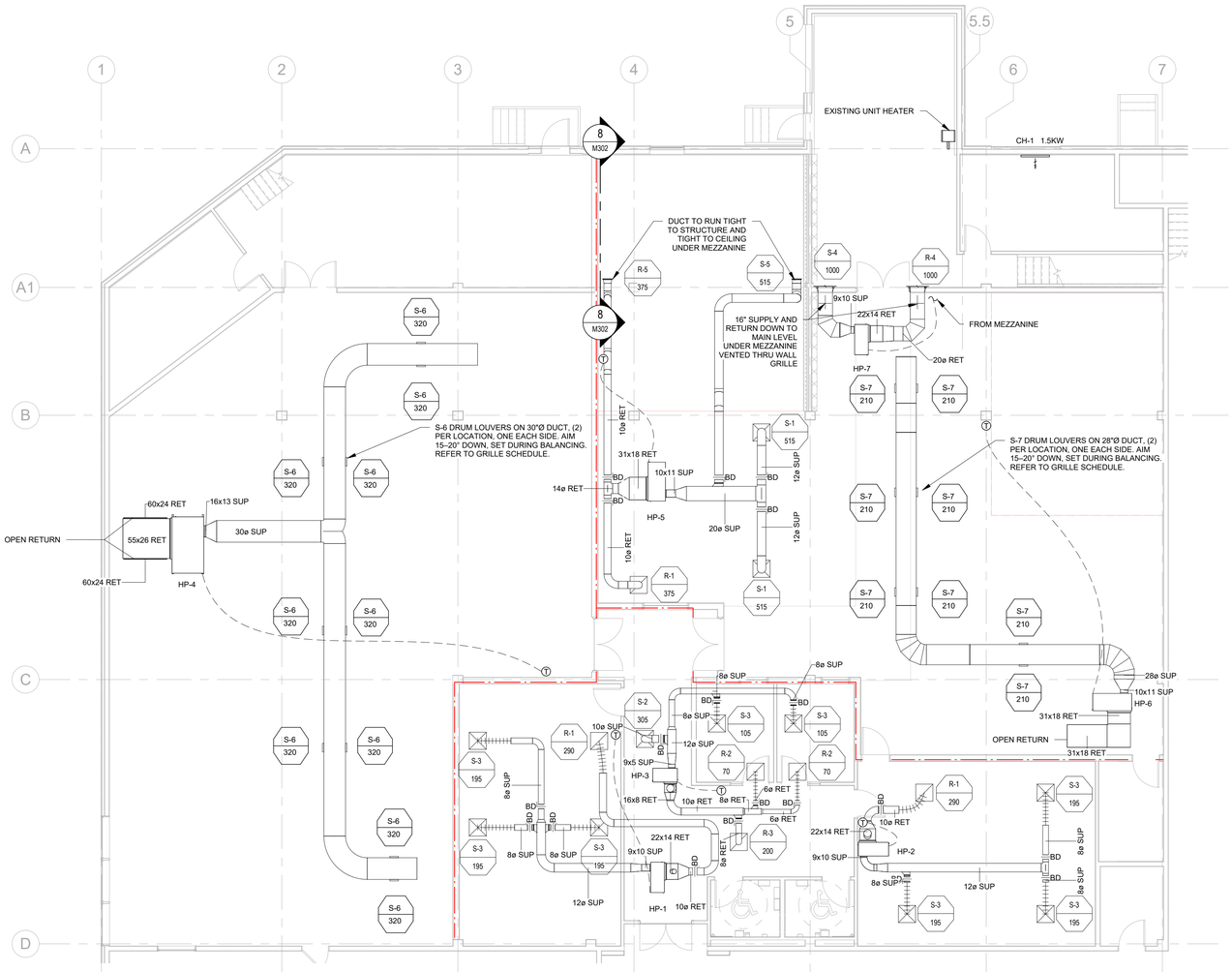
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Drawing Number: M204

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1 M300 LEVEL 2, TYPICAL - VENTILATION SUPPLY & RETURN
1/8" = 1'-0"

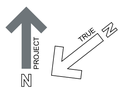




2 M300 MAIN FLOOR - VENTILATION SUPPLY & RETURN
1/8" = 1'-0"

GENERAL VENTILATION NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH N.B.C.C., N.F.P.A., SMACNA DUCT STANDARDS AND ALL APPLICABLE CODES AND REGULATIONS UNDER AUTHORITIES HAVING JURISDICTION.
2. ALL DUCTWORK AND HANGERS SHALL BE CONSTRUCTED TO SMACNA STANDARDS BASED ON 2" OF WG IN DUCTS. DUCTWORK TO BE SEALED TO SMACNA CLASS "A" STANDARDS.
3. ALL WORK SHALL BE COORDINATED WITH OTHER DIVISIONS.
4. USE NO MORE THAN 5FT OF FLEX DUCT ON BRANCHES TO DIFFUSERS.
5. PROVIDE EXTERNAL BALANCING DAMPERS SERVING ALL DIFFUSERS AS CLOSE AS POSSIBLE TO EXIT FROM MAIN TRUNK.
6. CONTRACTOR IS RESPONSIBLE FOR ALL DUCT TRANSITIONS TO/FROM ROOFTOP UNIT, EXHAUST FANS, DIFFUSERS, GRILLES ETC. PROVIDE FLEX CONNECTIONS TO ALL AIR HANDLING EQUIPMENT.
7. CONTRACTOR RESPONSIBLE TO CO-ORDINATE GRILLE FRAME TYPES WITH CEILING TYPES PRIOR TO ORDERING.
8. REFER TO ARCH. DRAWINGS FOR LOCATIONS OF ALL FIRE RATED WALLS, CEILINGS, AND FLOOR ASSEMBLIES. PROVIDE FIRE DAMPERS/FIRESTOPPING AS REQ'D BY N.B.C.C., N.F.P.A. & LOCAL CODES.
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11. PROVIDE DUCT INSULATION c/w FACTORY APPLIED FOIL SCRIM-KRAFT VAPOR JACKET ON ALL SUPPLY AND RETURN DUCTS ABOVE CEILINGS AND ON EXHAUST DUCTS 10FT IN FROM EXTERIOR WALL PENETRATION AS PER SPECIFICATIONS.
12. CONTRACTOR TO REFER TO ARCHITECTURAL FINISH SCHEDULE FOR CEILING TYPES AND CEILING HEIGHTS. REFER TO ARCHITECTURAL CEILING PLAN FOR FINAL PLACEMENT OF ALL CEILING EQUIPMENT. WHERE PLACEMENT OF CEILING EQUIPMENT CONFLICTS ARISE WITH ARCH'L PLANS, ARCH'L PLANS SHALL GOVERN. PROVIDE ALL TRANSITIONS TO SUIT.
13. ALL ELBOWS WITH RADIUS LESS THAN 1.5 TIMES THE DUCT DIAMETER SHALL BE SUPPLIED WITH TURNING VANES.
14. AABC CERTIFIED CONTRACTOR SHALL TEST AND BALANCE ALL AIR SUPPLY, RETURN, AND EXHAUST SYSTEMS NOTED HEREIN. PROVIDE ADJUSTMENT OF ALL EQUIPMENT, DAMPERS AND TERMINALS TO SUPPLY AIRFLOWS NOTED. PROVIDE A REPORT OF ALL MEASUREMENTS TO ENGINEER UPON COMPLETION. ACCEPTABLE TOLERANCE = ±10% OF AIRFLOWS NOTED.
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16. VENTILATION CONTRACTOR TO SUPPLY AND INSTALL NEW EXHAUST FANS ON THE ROOF. EXHAUST FANS ON THE ROOF TO BE MINIMUM 10FT AWAY FROM ADJACENT PROPERTIES, AHU AND RTU FRESH AIR INTAKES. MINIMUM 5FT AWAY FROM COMBUSTIBLE SURFACES. EXHAUST FAN SHALL BE 18" ABOVE ROOF LINE AND DISCHARGE SHALL BE AT LEAST 84" ABOVE ROOF LINE. CONFIRM EXACT LOCATION ON SITE.
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Seal: PROFESSIONAL ENGINEER — The Association of Professional Engineers of Prince Edward Island — Michael Cottreau 1539 — 2026-10-29 Date — Province of Prince Edward Island — # 261102

Client: Holland College

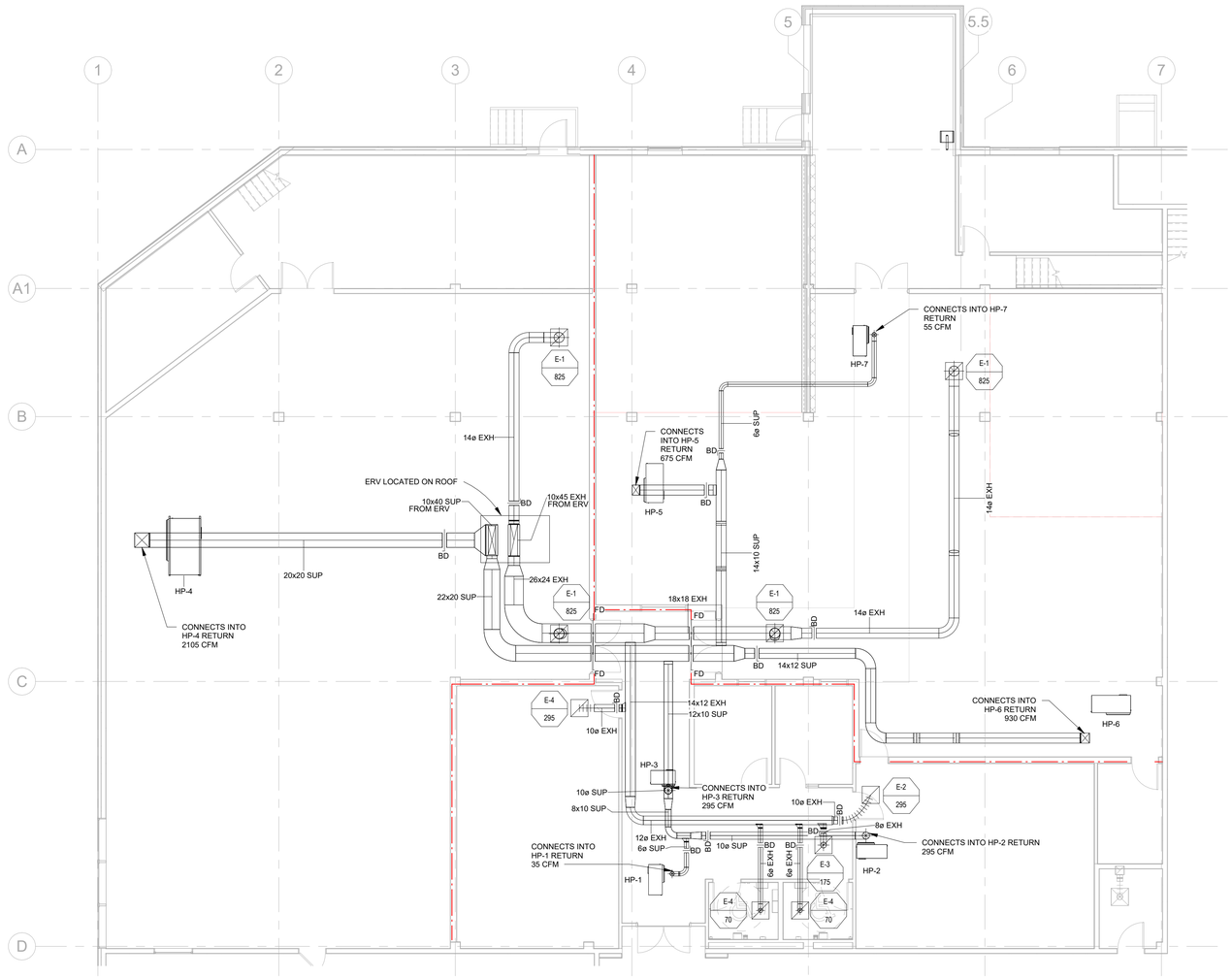
Project Title: Holland College Summerside Waterfront GreenBuild Trade Expansion
98 Water Street, Summerside, PE

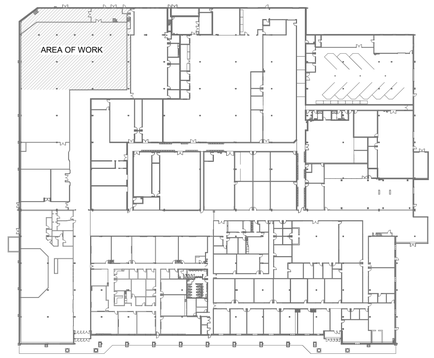
Sheet Title: Ventilation - Supply & Return

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Chk By: MGC
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21. ALL DUCTWORK SHALL BE INSTALLED TRUE TO LINE AND GRADE AND IN A NEAT AND WORKMANLIKE MANNER.

PROJECT N
TRUE N

1 / M301 MAIN FLOOR - VENTILATION ERV SUPPLY & EXHAUST
1/8" = 1'-0"

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Client: Holland College

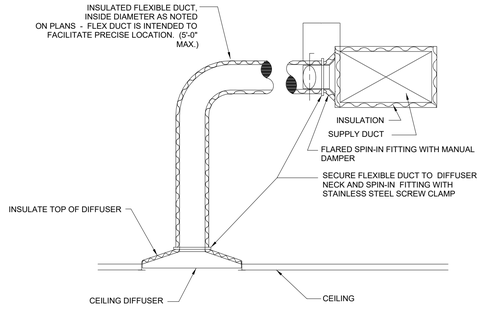
Project Title: Holland College Summerside Waterfront GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Ventilation - ERV Outdoor Air & Exhaust

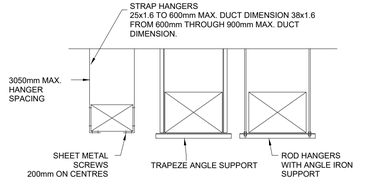
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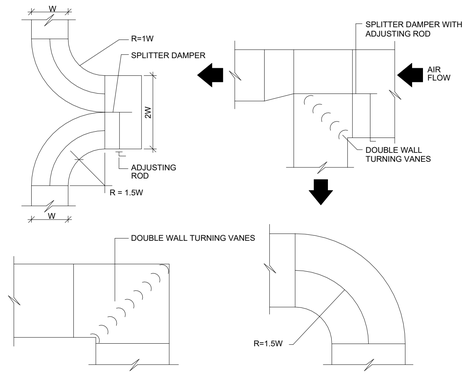
1 M302 CEILING DIFFUSER CONNECTION
N.T.S.



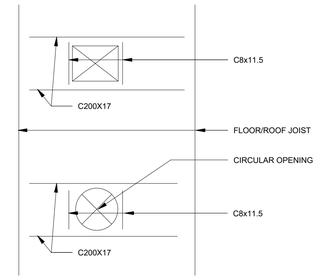
ROD AND ANGLE SIZES TO BE AS FOLLOWS

MAX. DUCT DIMENSION (mm)	MIN. ATTACH RATING (KG)	ROD HANGER SIZE (mm)	NO. OF HANGERS	TRAPEZE ANGLE (mm)	MAX. SPACING
UP THRU. 450	340	6	2	38x38x3	3.0m
475 TO 900	455	6	2	38x38x3	3.0m
925 TO 1525	910	9	2	50x50x6	2.4m
1550 TO 3050	1090	9	2	50x50x6	2.4m

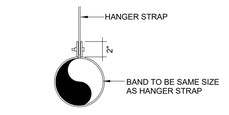
2 M302 ALTERNATE HANGERS FOR RECTANGULAR DUCTS
N.T.S.



3 M302 DUCT ELBOW
N.T.S.

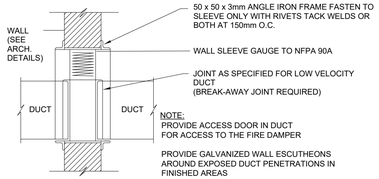


4 M302 ERV ROOF OPENING
N.T.S.

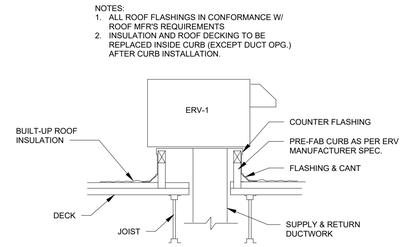


STRAPS TO BE 38x16 Ga. UP THROUGH 18"ø AND 38x2.0 FROM 18-1/2"ø THROUGH 36"ø

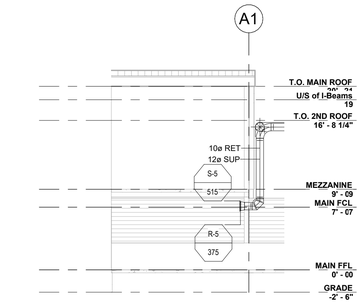
5 M302 HANGER FOR DUCTS UP THROUGH MAXIMUM 36" DIA.
N.T.S.



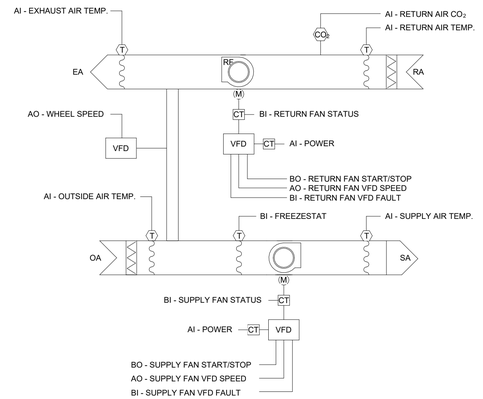
6 M302 FIRE DAMPER
N.T.S.



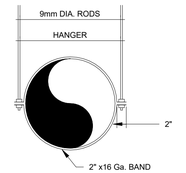
7 M302 ERV MOUNTING DETAIL
N.T.S.



8 M302 DUCT DROP TO SIDEWALL SUPPLY/RETURN UNDER MEZZANINE (S-5 / R-5)
N.T.S.



9 M302 ERV-1 CONTROL SCHEMATIC
1/8" = 1'-0"



10 M302 HANGER FOR DUCTS OVER 36" TO 82" DIA
N.T.S.

GRILLE & DIFFUSER SCHEDULE

TAG	TYPE	MANUFACTURER	MODEL	SIZE (in x in)	NECK SIZE (in)	AIRFLOW (CFM)	NOTES
S-1	ADJUSTABLE ALUMINUN ROUND SWIRL DIFFUSER	EFFECTIV	AX6	19 Ø	12.5 Ø	515	C/W INTEGRAL THERMODYNAMIC SENSOR/ACTUATOR AND ADJUSTS BLADES BASED ON SUPPLY AIR TEMP, HORIZONTAL SWIRL IN COOLING, DOWNWARD PROJECTION IN HEATING. INTEGRATED AIR EQUALIZER. INSTALL SUSPENDED FROM STRUCTURE AT 16'-0" AFF.
S-2	ADJUSTABLE ALUMINUM ROUND SWIRL DIFFUSER	EFFECTIV	AX6	10 Ø	10 Ø	305	C/W INTEGRAL THERMODYNAMIC SENSOR/ACTUATOR AND ADJUSTS BLADES BASED ON SUPPLY AIR TEMP, HORIZONTAL SWIRL IN COOLING, DOWNWARD PROJECTION IN HEATING. INTEGRATED AIR EQUALIZER. INSTALL SUSPENDED FROM STRUCTURE AT 10'-0" AFF.
S-3	3 CONE DIFFUSER	AIRVECTOR	DF3	24 x 24	8 Ø	195	LAY-IN T-BAR CEILING MOUNT. C/W OPPOSED BLADE DAMPER. WHITE.
S-4	SUPPLY GRILLE	AIRVECTOR	GSA27-H	28X12	-	1000	DOUBLE DEFLECTION SUPPLY GRILLE, MOUNTED ON EXPOSED DUCT / SIDEWALL AS SHOWN. C/W OPPOSED BLADE DAMPER. WHITE.
S-5	SUPPLY GRILLE	AIRVECTOR	GSA27-H	18X10	-	515	DOUBLE DEFLECTION SUPPLY GRILLE, MOUNTED ON EXPOSED DUCT / SIDEWALL AS SHOWN. C/W OPPOSED BLADE DAMPER. WHITE.
S-6	SUPPLY GRILLE	AIRVECTOR	ADLD17	12 × 6	-	320	DRUM LOUVER W/ OBD, MOUNTED BOTH SIDES OF DUCT, AIMED 15 –20° DOWN, ADJUST AND LOCK DURING BALANCING
S-7	SUPPLY GRILLE	AIRVECTOR	ADLD17	9 × 6		210	DRUM LOUVER W/ OBD, MOUNTED BOTH SIDES OF DUCT, AIMED 15 –20° DOWN, ADJUST AND LOCK DURING BALANCING
R-1	PERFORATED CEILING RETURN	AIRVECTOR	PRM	24X24	10 Ø	290	LAY-IN T-BAR CEILING MOUNT. C/W ROUND NECK COLLAR. WHITE.
R-2	PERFORATED CEILING RETURN	AIRVECTOR	PRM	24X24	6 Ø	70	LAY-IN T-BAR CEILING MOUNT. C/W ROUND NECK COLLAR. WHITE.
R-3	PERFORATED CEILING RETURN	AIRVECTOR	PRM	24X24	8 Ø	200	LAY-IN T-BAR CEILING MOUNT. C/W ROUND NECK COLLAR. WHITE.
R-4	RETURN REGISTER	AIRVECTOR	GSA40	28X12	-	1000	FIXED LOUVER RETURN REGISTER, SIDEWALL / DUCT MOUNT AS SHOWN.
R-5	RETURN REGISTER	AIRVECTOR	GSA40	18X10	-	375	FIXED LOUVER RETURN REGISTER, SIDEWALL / DUCT MOUNT AS SHOWN.
E-1	PERFORATED CEILING RETURN	AIRVECTOR	PRM	24X24	14 Ø	825	-
E-2	PERFORATED CEILING RETURN	AIRVECTOR	PRM	24X24	10 Ø	295	LAY-IN T-BAR CEILING MOUNT. C/W ROUND NECK COLLAR. BALANCING DAMPER IN BRANCH DUCT. WHITE.
E-3	PERFORATED CEILING RETURN	AIRVECTOR	PRM	24X24	8 Ø	175	LAY-IN T-BAR CEILING MOUNT. C/W ROUND NECK COLLAR. BALANCING DAMPER IN BRANCH DUCT. WHITE.
E-4	PERFORATED CEILING RETURN	AIRVECTOR	PRM	24X24	6 Ø	70	LAY-IN T-BAR CEILING MOUNT. C/W ROUND NECK COLLAR. BALANCING DAMPER IN BRANCH DUCT. WHITE.

ENERGY RECOVERY VENTILATOR SCHEDULE

TAG	BASIS OF DESIGN	O.A. AIRFLOW (CFM)	E.A. AIRFLOW (CFM)	ESP (IN. W.C.)	WINTER MODE				SUMMER MODE				ELECTRICAL			WEIGHT (Lbs)	DIMENSIONS		
					O.A.TEMP. (°F)	S.A.T. (°F) DB/WB	R.A.T. (°F) DB.WB	HEATING CAPACITY (BTU/HR)	O.A. TEMP. (°F)	S.A.T. (°F) DB/WB	R.A.T. (°F) DB/WB	CAPACITY (BTU/HR)	V/Ph/Hz	MCA (A)	MOP (A)		HEIGHT (IN)	WIDTH (IN)	LENGTH (IN)
ERV-1	SYSTEMAIR TOPVEX ERV-4600RT-EC	4,400	4,400	1.5	-2.0	48.2 / 43.1	70.0 / 56.9	324,120	81	73.8 / 64.1	70.0/ 58.5	91,400	208 / 3 / 60	18.9	25	1400	61.7	65.6	94.7

NOTES:
COMPLETE WITH FACTORY CONTROLS FOR DEFROST CYCLE CONTROL AND BMS INTEGRATION, OUTDOOR RATED CASING, BASEFRAME, SUPPLY INLET LOUVER, EXHAUST OUTLET HOOD, FACTORY MOUNTED DISCONNECTS FOR CONTROL CABINET. ROOF CURB TO BE CONSTRUCTED TO MANUFACTURER'S CERTIFIED DRAWINGS.

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Seal: PROFESSIONAL ENGINEER — The Association of Professional Engineers of Prince Edward Island — Michael Coltreau 1539 — 2026-10-29 Date — PROVINCE OF PRINCE EDWARD ISLAND — # 261102

Client: Holland College

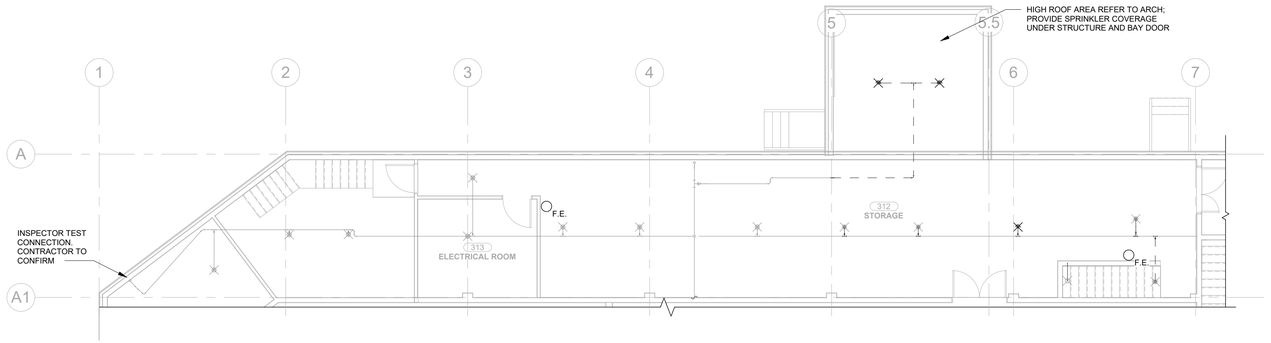
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98 Water Street, Summerside, PE

Sheet Title: Ventilation - Details & Schedules

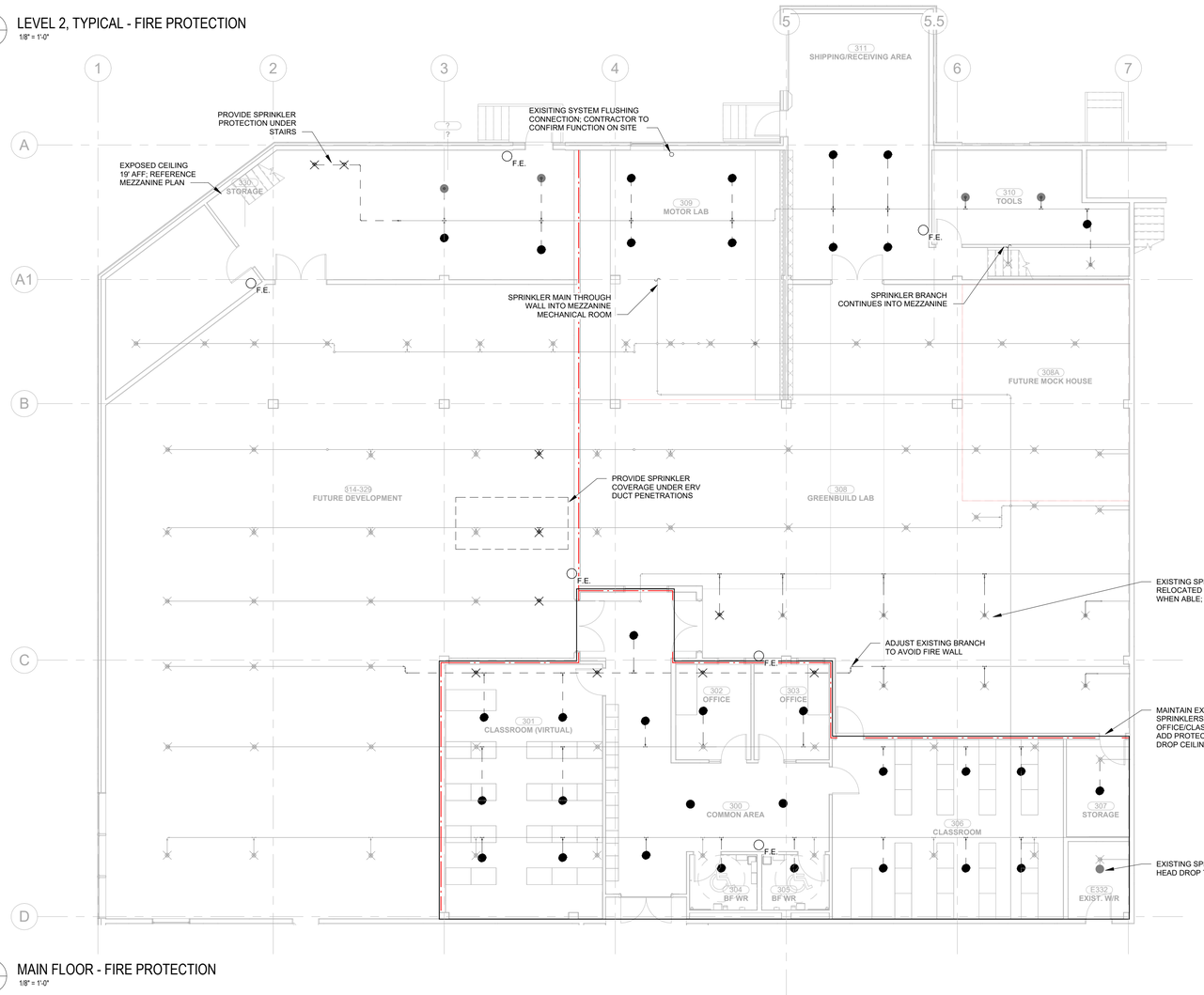
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Scale: As indicated
Drn By: JRN
Chk By: MGC
Rev. No.: 0
Project Number: 261102
Drawing Number: M302

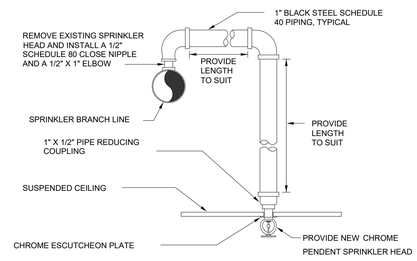
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1 M401 **LEVEL 2, TYPICAL - FIRE PROTECTION**
1/8" = 1'-0"

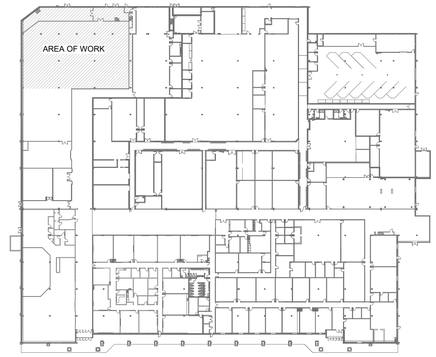


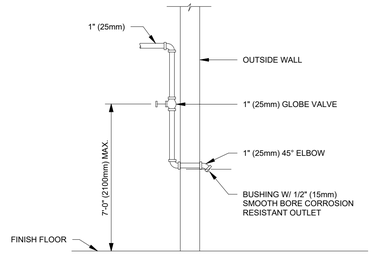
5 M401 **MAIN FLOOR - FIRE PROTECTION**
1/8" = 1'-0"



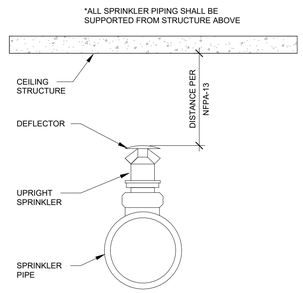
NOTES:
1. ADJUST SPRINKLER DROPS AS NECESSARY TO CLEAR OBSTRUCTIONS SUCH AS THE CEILING "T" BAR SUSPENSION SYSTEM, LIGHT FIXTURES, ETC. PROVIDE A PIPE HANGER IF THE HORIZONTAL OFFSET LENGTH EXCEEDS 24 INCHES.
2. THIS SPRINKLER HEAD DROP IS APPLICABLE ONLY WHERE IT IS NOT NECESSARY TO RETAIN AN UPRIGHT SPRINKLER FOR PROTECTION OF COMBUSTIBLE CONSTRUCTION ABOVE THE CEILING.

2 M401 **TYPICAL NEW SPRINKLER HEAD DROP**
N.T.S.

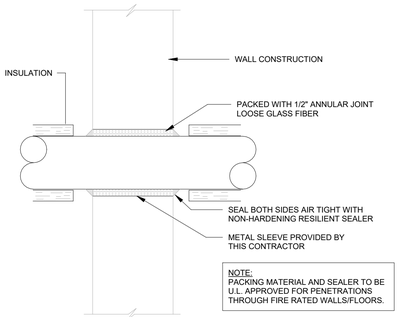




4 M401 **INSPECTOR TEST CONNECTION DETAIL**
N.T.S.



3 M401 **UPRIGHT SPRINKLER HEAD DETAIL**
N.T.S.



NOTE:
PACKING MATERIAL AND SEALER TO BE U.L. APPROVED FOR PENETRATIONS THROUGH FIRE RATED WALLS/FLOORS.

6 M401 **TYPICAL FIRE SEPERATION PENETRATION FOR PIPES**
N.T.S.

GENERAL FIRE PROTECTION NOTES

1. SPRINKLER SYSTEMS SHOWN ON THESE DRAWINGS ARE DIAGRAMMATIC ONLY AND INDICATE GENERAL INTENT. CONTRACTOR SHALL PROVIDE COMPLETE SYSTEM DESIGN, LAYOUT, AND INSTALLATION IN ACCORDANCE WITH NFPA 13, ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION (A.H.J.).
2. CONTRACTOR SHALL PROVIDE STAMPED ENGINEERED DRAWINGS AND HYDRAULIC CALCULATIONS FOR REVIEW AND APPROVAL BY THE A.H.J. PRIOR TO FABRICATION AND INSTALLATION.
3. THE SYSTEM SHALL BE DESIGNED TO ENSURE FULL AND COMPLETE COVERAGE OF ALL SPACES. INCLUDING MODIFIED EXISTING AREAS, IN ACCORDANCE WITH HAZARD CLASSIFICATIONS.
4. EXACT LOCATION OF SPRINKLER HEADS SHALL BE COORDINATED WITH ARCHITECTURAL REFLECTED CEILING PLANS, ROOM FINISHES, AND CEILING CONSTRUCTION. HEADS SHALL BE CENTERED IN CEILING SYSTEMS WHERE APPLICABLE.
5. CONTRACTOR SHALL REVIEW ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO TENDER TO CONFIRM SCOPE, PIPE ROUTING, HEAD LOCATIONS, AND SYSTEM REQUIREMENTS. NO ADDITIONAL COSTS WILL BE ACCEPTED FOR FAILURE TO COORDINATE WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL TRADES.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR HYDRAULIC SIZING AND SELECTION OF ALL SYSTEM AND COMPONENTS, INCLUDING PIPE SIZING, HEAD SELECTIONS, ZONING, AND CONTROL DEVICES.
7. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE-RATED WALLS, FLOORS, AND CEILINGS. PROVIDE FIRESTOPPING AS REQUIRED TO MAINTAIN RATINGS.
8. PROVIDE ALL REQUIRED FLOW SWITCHES, ZONING, TAMPER SWITCHES, AND ASSOCIATED WIRING. COORDINATE WITH ELECTRICAL CONTRACTOR AND FIRE ALARM SYSTEM.
9. CONTRACTOR SHALL COORDINATE ALL PIPING ROUTING AND HEAD LOCATIONS WITH OTHER TRADES WHERE CEILING SPACE IS LIMITED AND THROUGHOUT THE PROJECT. NO ADDITIONAL COSTS WILL BE ACCEPTED DUE TO LACK OF COORDINATION.
10. CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO COMMENCING WORK.
11. PROVIDE FREEZE PROTECTION FOR ALL PIPING SUBJECT TO FREEZING CONDITIONS IN ACCORDANCE WITH CODE.
12. ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING.
13. WHERE EXISTING SYSTEMS ARE MODIFIED, CONTRACTOR SHALL MAINTAIN FULL OPERATIONAL INTEGRITY AND CODE COMPLIANCE OF THE ENTIRE SYSTEM. ANY REQUIRED UPGRADES OR EXTENSIONS SHALL BE INCLUDED.
14. PROVIDE ALL REQUIRED FLUSHING, INSPECTIONS, COMMISSIONING IN ACCORDANCE WITH CODES AND A.H.J. REQUIREMENTS. PROVIDE DOCUMENTATION AND CERTIFICATES UPON COMPLETION. SPRINKLER SYSTEM SHALL BE INCLUDED IN INTEGRATED TESTING OF LIFE SAFETY SYSTEMS PER CAN/ULC-S1001.
15. REUSE EXISTING SPRINKLER HEADS WHEN ABLE. RELOCATE HEADS AS SHOWN ON DRAWINGS

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Seal: PROFESSIONAL ENGINEER — By Registration As A Professional Engineer Of The Province Of Prince Edward Island — Michael Cottreau 1539 — 2026-10-29 Date — PROVINCE OF PRINCE EDWARD ISLAND — # 261102

Client: Holland College

Project Title: Holland College Summerside Waterfront GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Fire Protection Plans

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GENERAL LEGEND

	INDICATES FIRE RATED WALL. REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFIC LOCATIONS AND CONSTRUCTION INFORMATION
	LIGHT LINEWEIGHT INDICATES EXISTING TO REMAIN
	HEAVY LINEWEIGHT INDICATES NEW WORK
	SURFACE MOUNTED WIRING
	INDICATES 2#12 DC WIRING
	LOW VOLTAGE WIRING
	WIRING UP
	WIRING DOWN
	CONDUIT STUB
104-23a	INDICATES CIRCUIT #23 IN PANEL '104' a - INDICATES LUMINAIRE SWITCHING FOR LIGHTING CIRCUITS

GENERAL SUB SCRIPTS

4x -	CSA 4x ENCLOSURE
A -	DEVICE MOUNTED 4' AFF OR 6" ABOVE COUNTER OR 9" ABOVE COUNTER WITH BACKSPLASH
CS -	MOUNTED IN CEILING SPACE

POWER LEGEND

	DUPLEX RECEPTACLE
	QUADPLEX RECEPTACLE
	DUPLEX RECEPTACLE, MOUNTED IN ACCESSIBLE CEILING SPACE

RECEPTACLE SUB SCRIPTS

20 -	CSA TYPE 5-20R
G -	GFCI RECEPTACLE
WP -	RECEPTACLE GFCI C/W WEATHER PROOF WHILE IN-USE COVER
	SINGLE PHASE MOTOR
XX	UNFUSED DISCONNECT SWITCH XX - INDICATES SWITCH RATING
	DIRECT CONNECTION
	MANUAL MOTOR STARTER
	JUNCTION BOX, 4"x4"x2" OR AS INDICATED
'101' 'D101'	ELECTRICAL PANEL, SURFACE MOUNTED '101' - INDICATES PANEL DESIGNATION 'D101' - INDICATES DISTRIBUTION PANEL
BB-1	ELECTRIC BASEBOARD HEATER
	ELECTRONIC FAUCET, TOILET OR URINAL SUPPLIED, INSTALLED AND WIRED BY DIV.23. PRIMARY SIDE OF TRANSFORMER TO BE WIRED BY DIV.26.

SYSTEMS LEGEND

	DATA OUTLET-MOUNTED IN ACCESSIBLE CEILING SPACE ADJACENT TO WIRELESS ROUTER. WIRELESS ROUTER SUPPLIED AND INSTALLED BY OWNER.
1,1	DATA AND TELEPHONE OUTLET 1.1 - FIRST NUMBER INDICATES QUANTITY OF RJ45 MODULE FOR TELEPHONE, SECOND NUMBER INDICATES QUANTITY OF RJ45 MODULES FOR DATA. TELEPHONE AND DATA TO SHARE COMMON FACEPLATE.
DR	DATA RACK
	COMMUNICATIONS BACKBOARD
V	VIDEO DISPLAY OUTLET
P	PROJECTOR OUTLET
	CLOSED CIRCUIT TELEVISION CAMERA

LIGHTING LEGEND

	EXISTING LUMINAIRE, CEILING MOUNTED
#	LUMINAIRE, CEILING MOUNTED # - INDICATES TYPE IN LUMINAIRE SCHEDULE
#	LUMINAIRE, CEILING MOUNTED # - INDICATES TYPE IN LUMINAIRE SCHEDULE
#	LUMINAIRE, CEILING MOUNTED # - INDICATES TYPE IN LUMINAIRE SCHEDULE
#	LUMINAIRE, CEILING MOUNTED # - INDICATES TYPE IN LUMINAIRE SCHEDULE
#	LUMINAIRE, WALL MOUNTED # - INDICATES TYPE IN LUMINAIRE SCHEDULE
#	LUMINAIRE, WALL MOUNTED # - INDICATES TYPE IN LUMINAIRE SCHEDULE
#	LUMINAIRE, SUSPENDED # - INDICATES TYPE IN LUMINAIRE SCHEDULE
	EXIT SIGN; CEILING MOUNTED SHADING - INDICATES NUMBER AND LOCATION OF FACES ARROW - INDICATES DIRECTION OF EXIT
	EXIT SIGN; WALL MOUNTED SHADING - INDICATES NUMBER AND LOCATION OF FACES ARROW - INDICATES DIRECTION OF EXIT
	DUAL HEAD EMERGENCY LIGHTING UNIT
	REMOTE DUAL HEAD EMERGENCY LIGHTING UNIT
	REMOTE SINGLE HEAD EMERGENCY LIGHTING UNIT
$ #	SINGLE POLE SWITCH # - INDICATES SUBSCRIPT

SWITCH SUB SCRIPTS

3 -	THREE-WAY SWITCH
P -	OCCUPANCY SENSOR WALL SWITCH C/W DIMMING
L -	0-10VDC LOW VOLTAGE DIMMER SWITCH
a -	LUMINAIRE SWITCHING
P	PIR OCCUPANCY SENSOR WALL SWITCH, 120V
D	DUAL TECHNOLOGY 360° OCCUPANCY SENSOR, CEILING MOUNTED

INTRUSION & ACCESS CONTROL LEGEND

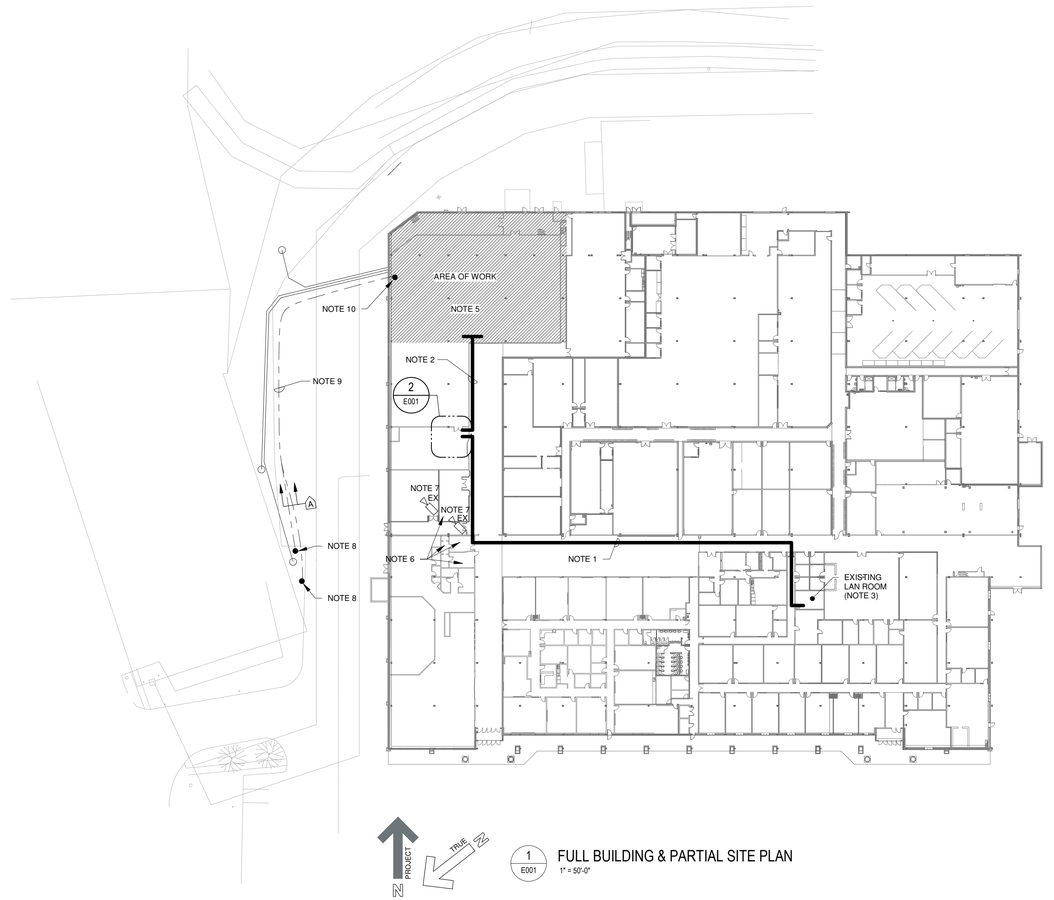
D	ACCESS CONTROL / INTRUSION ALARM DOUBLE POLE DOOR CONTACT
K	INTRUSION ALARM INTERFACE KEYPAD
M	INTRUSION ALARM MOTION DETECTOR
H	INTRUSION ALARM HORN
P	ACCESS CONTROL PROXIMITY CARD READER
ACP	ACCESS CONTROL DOOR CONTROL PANEL
	POWER ASSISTED DOOR PUSH BUTTON, SUPPLIED AND INSTALLED BY DIV. 8, WIRED BY DIV. 28.
DO	POWER ASSISTED DOOR OPENER, SUPPLIED AND INSTALLED BY DIV. 8, WIRED BY DIV. 28.
ES	ELECTRIC STRIKE, SUPPLIED AND INSTALLED BY DIV. 8, WIRED BY DIV. 28.
DPS	DOOR HARDWARE POWER SUPPLY, SUPPLIED AND INSTALLED BY DIV. 8. WIRED BY DIV. 28.
S	PUBLIC ADDRESS SYSTEM, SURFACE MOUNTED CEILING SPEAKER, SUPPLIED BY OWNER, INSTALLED BY ELECTRICAL CONTRACTOR

FIRE ALARM LEGEND

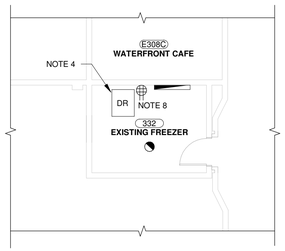
F	FIRE ALARM MANUAL PULL STATION
#	FIRE ALARM DETECTOR # - INDICATES SUBSCRIPT

DETECTOR SUB SCRIPTS

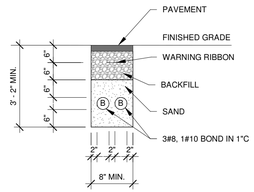
M -	MULTISENSOR SMOKE DETECTOR
	FIRE ALARM COMBINATION HORN STROBE
AOM	FIRE ALARM ADDRESSABLE OUTPUT RELAY MODULE



1 E001 FULL BUILDING & PARTIAL SITE PLAN
1" = 50'-0"



2 E001 MAIN LEVEL - EXISTING FREEZER 332
1/8" = 1'-0"



A GEO WELL CONDUIT

3 E001 TRENCH DETAIL
1/2" = 1'-0"

DETAIL NOTES:

1. B = SECONDARY VOLTAGE OR BRANCH CIRCUIT CONDUIT. QUANTITY AND SIZE AS INDICATED.
2. BACKFILLING OF TRENCH IN LAYERS NOT EXCEEDING 12" (MECHANICALLY TAMPED).
3. USE NEW SOIL FREE FROM LARGE ROCKS OR DEBRIS FOR BACKFILL.
4. CONDUIT LOCATED UNDER ASPHALT IN AREAS SUBJECT TO RIGHT OF WAY VEHICULAR TRAFFIC TO BE INSTALLED AN ADDITIONAL 12" BELOW WARNING RIBBON IN ACCORDANCE WITH CSA 22.1-24 ARTICLE 12-0018.
5. IF SITE CONDITIONS PROHIBIT TRENCH AS PER THIS DRAWING, ADVISE CONSULTANT.
6. CONTRACTOR TO PROVIDE A MINIMUM OF 48 HOURS WRITTEN NOTICE TO CONSULTANT PRIOR TO SCHEDULED BACKFILLING OF WORK. BACKFILLING NOT PERMITTED UNTIL APPROVED BY CONSULTANT.
7. 1/4" DIA. NYLON ROPE INSTALLED IN ALL DUCTS.
8. ALL CONDUITS TO BE LABELED WITH WEATHER PROOF TAGS INDICATION THE DESTINATION OF THE CONDUITS.

FULL DRAWING PLAN NOTES

1. NEW DATA RACK IN EXISTING FREEZER 332 TO BE CONNECTED BACK TO EXISTING HOLLAND COLLEGE DATA RACK WITH FIBRE CABLING IN 2"C AND ONE (1) 3"C C/W PULL CORD TO BE ROUTED THROUGH THE EXISTING EXPOSED CEILING SPACE TIGHT TO THE EXPOSED CEILING JOISTS. CONTRACTOR TO PROVIDE FOR ALL CUTTING, PATCHING, PAINTING, FIRE SEALING, AND REMEDIATION TO ALL EXISTING STRUCTURES AS REQUIRED TO FACILITATE THE CONNECTION OF THE NEW DATA RACK TO THE EXISTING DATA RACK. ALL SURFACE MOUNTED CONDUIT TO BE PAINTED TO MATCH ADJACENT SURFACE. EXACT ROUTING TO BE DETERMINED AND COORDINATED ON-SITE AND PRIOR TO MATERIAL ORDER.
2. TWO (2) 3"C CONDUIT FOR STRUCTURED CABLING TO BE ROUTED THROUGH THE EXISTING BUILDING, WITHIN THE ACCESSIBLE CEILING SPACES WHERE POSSIBLE; OTHERWISE, CONDUIT TO BE ROUTED THROUGH EXPOSED CEILING AT APPROXIMATELY 12'-0" AFF TIGHT TO THE EXPOSED CEILING JOISTS. ONE (1) 3"C CONDUIT TO BE C/W PULL CORD AND DESIGNATED AS SPARE. CONTRACTOR TO PROVIDE FOR ALL CUTTING, PATCHING, PAINTING, FIRE SEALING AND REMEDIATION TO ALL EXISTING STRUCTURES AS REQUIRED TO FACILITATE THE INSTALLATION OF THE NEW COMMUNICATIONS SERVICES CONDUIT. ALL SURFACE MOUNTED CONDUIT TO BE PAINTED TO MATCH ADJACENT SURFACE. EXACT ROUTING TO BE DETERMINED AND COORDINATED ON-SITE AND PRIOR TO MATERIAL ORDER.
3. ALL TERMINATIONS WITHIN THE EXISTING LAN ROOM ARE TO BE COORDINATED WITH HOLLAND COLLEGE IT SERVICES PRIOR TO COMPLETION AND IN ACCORDANCE WITH HOLLAND COLLEGE STRUCTURED CABLING STANDARDS DATED MARCH 9TH, 2020. (TYPICAL)
4. APPROXIMATE LOCATION OF NEW 2-POST FLOOR MOUNTED DATA RACK. DATA RACK TO BE LOCATED IN NEW LAN ROOM (FREEZER 332). CONTRACTOR TO SUPPLY ONE (1) PLYWOOD BACKBOARD PAINTED WITH INTUMESCENT PAINT ALONG SOUTH WALL OF NEW LAN ROOM DEDICATED FOR COMMUNICATIONS EQUIPMENT. COORDINATE EXACT LOCATION OF DATA RACK AND PLYWOOD BACKBOARD WITH OWNER'S REPRESENTATIVE AND GENERAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
5. CONNECT NEW FIRE ALARM INITIATING DEVICES ASSOCIATED WITH THE NEW SPRINKLER WET ZONE TO THE CLOSEST AVAILABLE FIRE ALARM INITIATION LOOP IN A CLASS 'B' WIRING CONFIGURATION IN ACCORDANCE WITH THE MANUFACTURERS WIRING INSTRUCTIONS. COORDINATE ANY DISRUPTIONS OF THE EXISTING FIRE ALARM SYSTEM WITH THE GENERAL CONTRACTOR AND OWNER PRIOR TO THE COMMENCEMENT OF WORK IN AN EFFORT TO MITIGATE DISRUPTION IN DAY-TO-DAY OPERATIONS. COORDINATE WIRING OF NEW SPRINKLER WET ZONE FIRE ALARM INITIATION DEVICES WITH THE SPRINKLER SYSTEM INSTALLER ON SITE.
6. APPROXIMATE LOCATIONS OF TWELVE (12) TOTAL EXISTING COMMUNICATIONS OUTLETS. CONTRACTOR TO TRACE OUT, DISCONNECT, AND REMOVE COMMUNICATIONS CABLING BACK TO SOURCE AND PROVIDE NEW COMMUNICATIONS CABLING TO NEW DATA RACK LOCATED IN EXISTING FREEZER 332.
7. APPROXIMATE LOCATIONS OF TWO (2) EXISTING CCTV CAMERAS. CONTRACTOR TO TRACE OUT, DISCONNECT, AND REMOVE EXISTING CCTV CABLING BACK TO SOURCE AND PROVIDE FOR NEW CCTV CABLING TO NEW DATA RACK LOCATED IN EXISTING FREEZER 332.
8. WELL PUMPS WHIPS TO BE BROUGHT TO TOP OF WELL HEAD AND SPLICED WITH GEL FILLED MARRETTES IN WEATHER TIGHT PVC JUNCTION BOX AT TOP OF EACH WELL HEAD IN ACCORDANCE WITH MANUFACTURES INSTALLATION INSTRUCTIONS.
9. ELECTRICAL LINES TO FOLLOW UNDERGROUND MECHANICAL LINES AND HORIZONTALLY OFFSET ELECTRICAL BY 2'-0". ALL EXCAVATION AND REMEDIATION TO BE COORDINATED WITH GENERAL CONTRACTOR.
10. COORDINATE ENTRANCE OF ELECTRICAL INTO MECHANICAL ROOM ALONGSIDE MECHANICAL ROOM ALONGSIDE MECHANICAL LINES AND WITH GENERAL CONTRACTOR. REFER TO DRAWING M202 FOR ADDITIONAL INFORMATION ON MECHANICAL LINE ROUTING.

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Charlottetown, PEI, Canada, C1A 1R6
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Seal: PROFESSIONAL ENGINEER — Province of Prince Edward Island — Elliott S. Coles 1620 — 29.10.2025

Client: Holland College

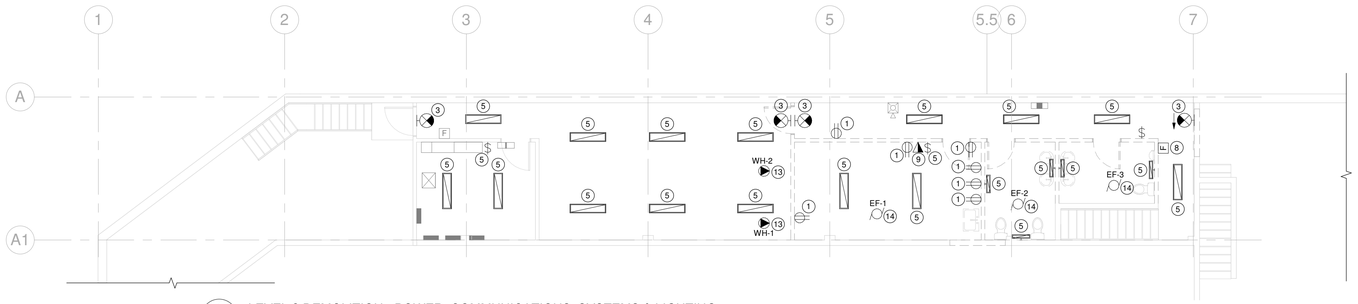
Project Title: Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Legend, Full Building & Site Plan, Existing Freezer Enlargement & Trench Detail

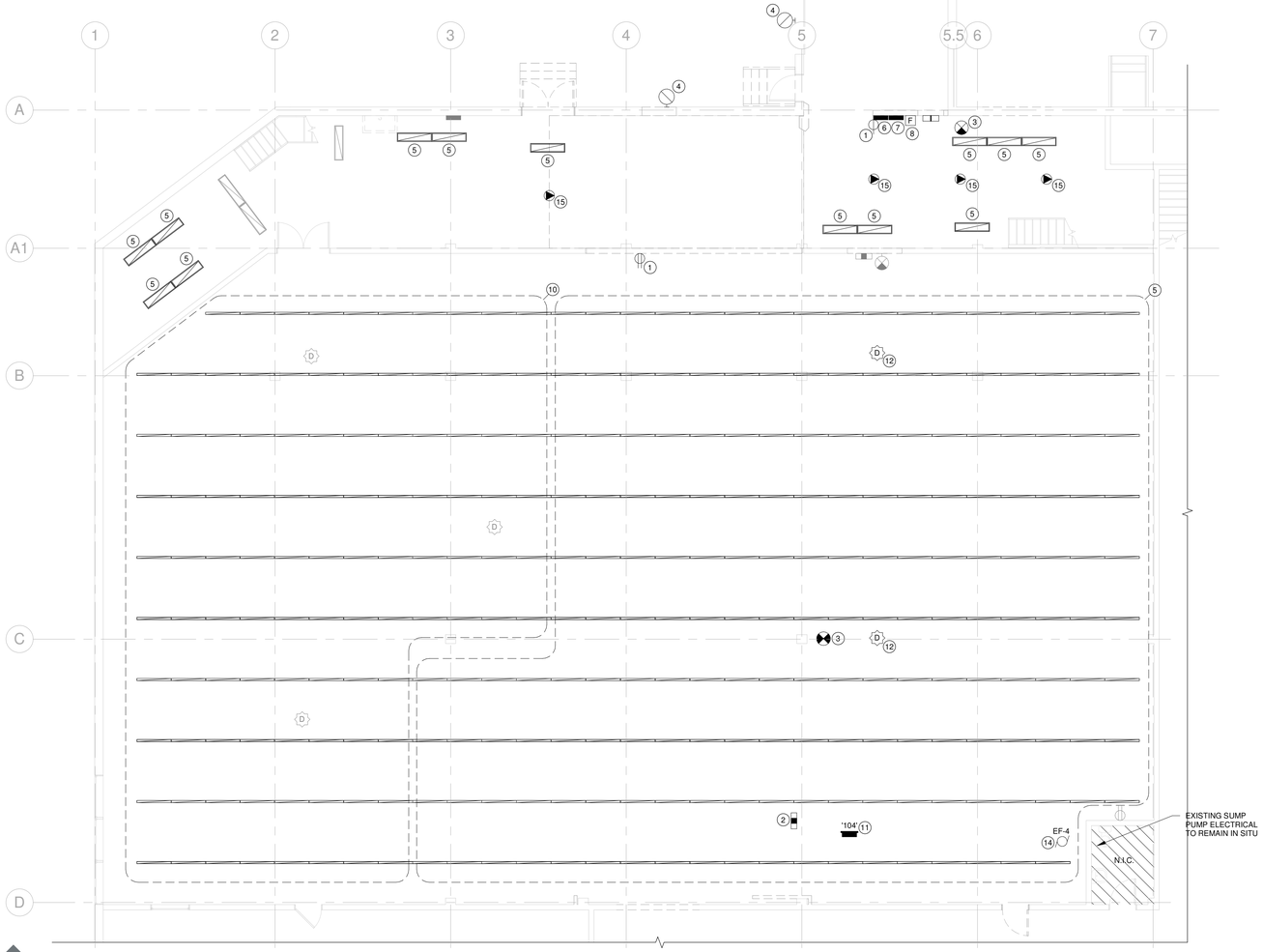
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Project Number: 261102
Drawing Number: E001

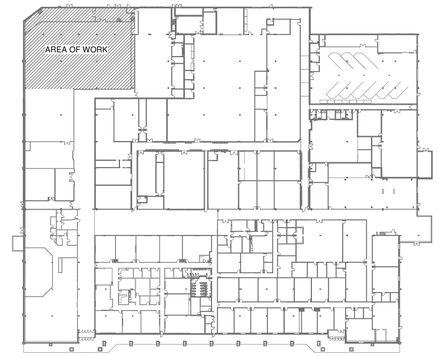
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1 E010 LEVEL 2 DEMOLITION - POWER, COMMUNICATIONS, SYSTEMS & LIGHTING
1/8" = 1'-0"



2 E010 MAIN LEVEL DEMOLITION - POWER, COMMUNICATIONS, SYSTEMS & LIGHTING
1/8" = 1'-0"



KEY PLAN

GENERAL NOTES

- EXISTING FLOOR PLANS ARE ISSUED FOR INFORMATION ONLY AND SHOW MAJOR ITEMS ONLY. CONTRACTOR TO EXAMINE ALL DRAWINGS, VISIT THE SITE TO VERIFY EXISTING EQUIPMENT, CONDITIONS AND SCOPE OF WORK INVOLVED IN RENOVATION PRIOR TO SUBMITTING TENDER. EXTRAS WILL NOT BE CONSIDERED BECAUSE ACTUAL CONDITION DIFFER FROM DRAWINGS AND ALL COSTS RELATING TO EXISTING SITE CONDITIONS MUST BE INCLUDED IN THE TOTAL TENDER PRICE.

DEMOLITION NOTES

1. EXISTING RECEPTACLE, ASSOCIATED OUTLET BOX, AND ASSOCIATED BRANCH CIRCUIT WIRING TO BE TRACED OUT, DISCONNECTED AND REMOVED BACK TO SOURCE.
2. EXISTING EMERGENCY LIGHTING UNIT AND ASSOCIATED BRANCH CIRCUIT WIRING TO BE TRACED OUT, DISCONNECTED AND REMOVED BACK TO SOURCE.
3. EXISTING EXIT SIGN AND ASSOCIATED BRANCH CIRCUIT WIRING TO BE TRACED OUT, DISCONNECTED, AND REMOVED BACK TO SOURCE.
4. EXISTING LIGHTING FIXTURES TO BE DISCONNECTED AND REMOVED ASSOCIATED BRANCH CIRCUIT WIRING TO BE TRACED OUT LOCKED OFF, CAPPED AND LABELLED FOR FUTURE RECONNECTION TO NEW LUMINAIRES.
5. EXISTING LIGHTING FIXTURES, ASSOCIATED LIGHT SWITCH AND BRANCH CIRCUIT WIRING TO BE TRACED OUT, DISCONNECTED, AND REMOVED BACK TO SOURCE.
6. EXISTING 120/208V, 3ø, 72 CCT BRANCH CIRCUIT PANEL '103' AND ASSOCIATED PANEL FEEDERS TO BE TRACED OUT, DISCONNECTED AND REMOVED BACK TO DISTRIBUTION PANEL 'D101'. ALL EXISTING BRANCH CIRCUITS TO BE TRACED OUT, DISCONNECTED, SPLICED AND EXTENDED AS REQUIRED AND RECONNECTED TO EXISTING PANEL '102' LOCATED IN STORAGE 331. ALL OBSOLETE CIRCUITS TO BE TRACED OUT, DISCONNECTED, AND REMOVED BACK TO SOURCE. REFER TO E100 FOR EXISTING PANEL '102' LOCATION. ALL DEMOLITION WORK ASSOCIATED WITH PANEL TO BE COORDINATED WITH HOLLAND COLLEGE PRIOR TO THE COMMENCEMENT OF WORK IN AN EFFORT TO MITIGATE DISRUPTIONS IN DAY-TO-DAY OPERATIONS.
7. EXISTING LIGHTING RELAY PANEL TO BE TRACED OUT AND DISCONNECTED BACK TO SOURCE. ALL EXISTING OBSOLETE LIGHTING CIRCUITS TO BE TRACED OUT, DISCONNECTED, AND REMOVED BACK TO SOURCE. EXISTING LIGHTING CIRCUITS WHICH ARE TO REMAIN IN USE AS PART OF RENOVATION IN USE ARE TO BE TRACED OUT, DISCONNECTED, SPLICED AND EXTENDED AS REQUIRED AND RECONNECTED TO EXISTING LIGHTING RELAY PANEL LOCATED IN EXISTING ELECTRICAL ROOM. ALL DEMOLITION WORK ASSOCIATED WITH PANEL TO BE COORDINATED WITH HC PRIOR TO THE COMMENCEMENT OF WORK IN AN EFFORT TO MITIGATE DISRUPTIONS IN DAY-TO-DAY OPERATIONS.
8. EXISTING FIRE ALARM INITIATION DEVICE TO BE TRACED OUT, DISCONNECTED AND RELOCATED ASSOCIATED FIRE ALARM CABLING FOR INITIATION LOOP TO BE TRACED OUT, DISCONNECTED AND COILING IN EXPOSED CEILING SPACE FOR FUTURE RECONNECTION TO RELOCATED DEVICES. COORDINATE ANY DISRUPTIONS TO THE EXISTING FIRE ALARM SYSTEM WITH HC REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK IN AN EFFORT TO MITIGATE DISRUPTIONS IN DAY-TO-DAY OPERATIONS.
9. EXISTING TELEPHONE AND DATA OUTLET AND ASSOCIATED OUTLET BOX TO BE TRACED OUT, DISCONNECTED AND REMOVED BACK TO SOURCE.
10. EXISTING LIGHTING FIXTURES TO BE MAINTAINED IN-SITU. CONTRACTOR TO PROVIDE FOR ALL REWIRING AS REQUIRED FOR NEW LIGHTING ZONING AS LIGHTING IS CURRENTLY CONTROLLED AS ONE ZONE.
11. EXISTING BRANCH CIRCUIT PANEL '104' TO BE TRACED OUT, DISCONNECTED, AND RELOCATED. EXISTING PANEL FEEDERS TO BE TRACED OUT, DISCONNECTED, SPLICED, AND EXTENDED IF REQUIRED, AND REROUTED TO FEED RELOCATED PANEL. ALL EXISTING BRANCH CIRCUITS TO BE TRACED OUT, DISCONNECTED, SPLICED AND EXTENDED AS REQUIRED AND RECONNECTED TO RELOCATED PANEL '104' LOCATED COMMON AREA 300. ALL OBSOLETE CIRCUITS TO BE TRACED OUT, DISCONNECTED, AND REMOVED BACK TO SOURCE. REFER TO E100 FOR RELOCATED PANEL LOCATION. ALL DEMOLITION WORK ASSOCIATED WITH PANEL TO BE COORDINATED WITH HC PRIOR TO THE COMMENCEMENT OF WORK IN AN EFFORT TO MITIGATE DISRUPTIONS IN DAY-TO-DAY OPERATIONS.
12. EXISTING CEILING MOUNTED OCCUPANCY SENSOR TO BE TRACED OUT, DISCONNECTED, AND REMOVED BACK TO SOURCE.
13. ALL EXISTING ELECTRICAL ASSOCIATED WITH REMOVAL OF EXISTING HOT WATER HEATERS 'WH-1' & 'WH-2' TO BE DISCONNECTED AND REMOVED BACK TO SOURCE.
14. ALL EXISTING ASSOCIATED WITH REMOVAL OF EXISTING EXHAUST FANS TO BE DISCONNECTED AND REMOVED BACK TO SOURCE.
15. ALL EXISTING ELECTRICAL ASSOCIATED WITH REMOVAL OF EXISTING HYDRONIC FORCE FLOW CABINET UNIT HEATERS TO BE DISCONNECTED AND REMOVED BACK TO SOURCE.

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Client: Holland College

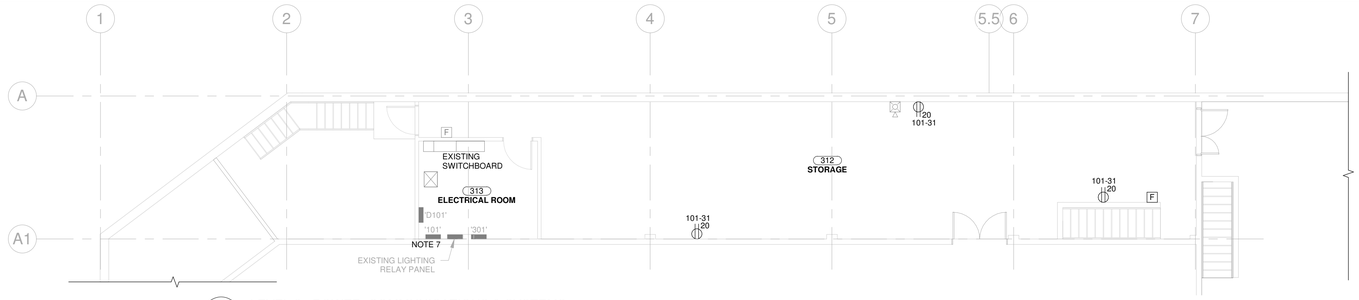
Project Title: Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Main Level & Level 2 Demolition - Power, Communications, Systems & Lighting

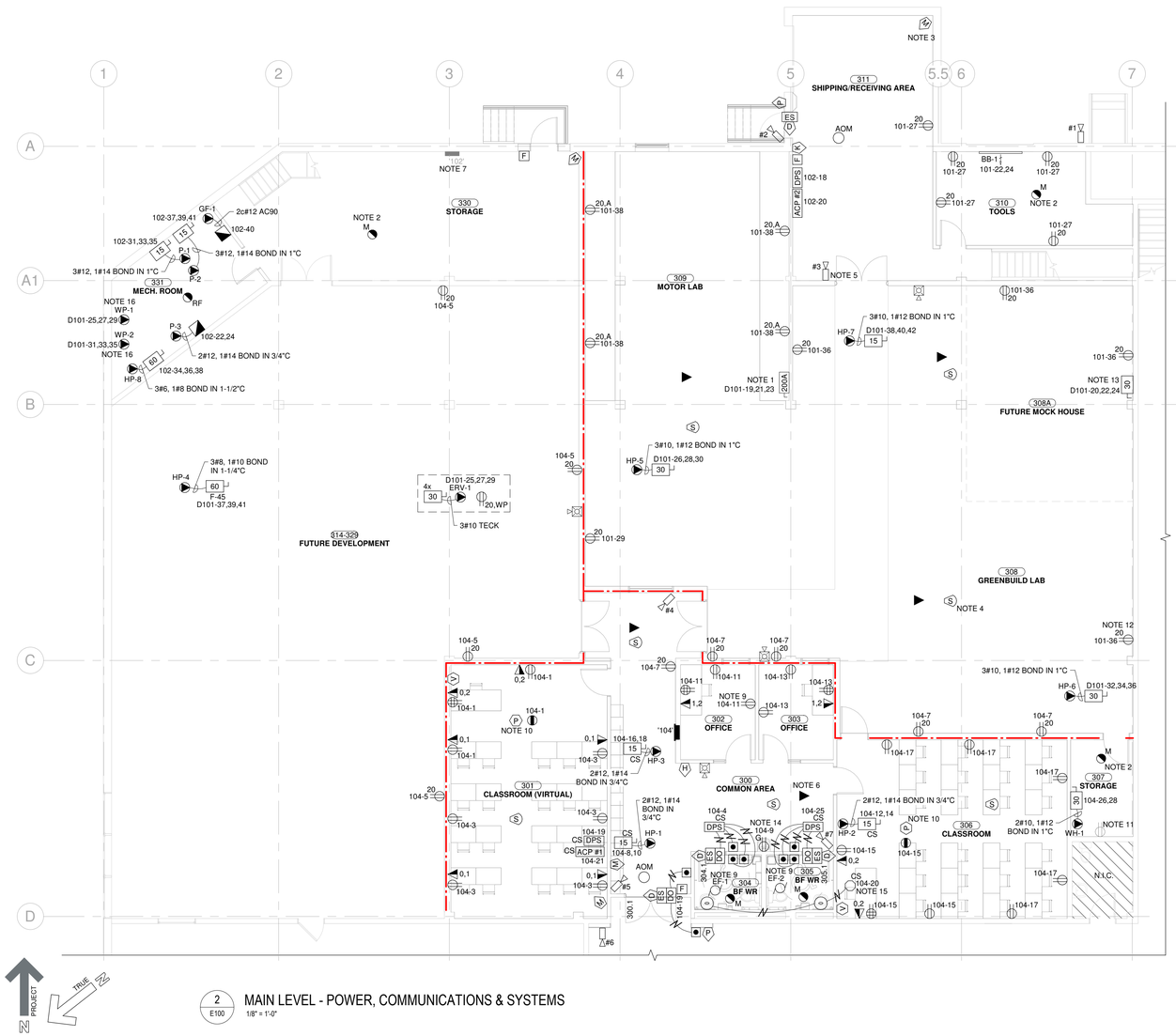
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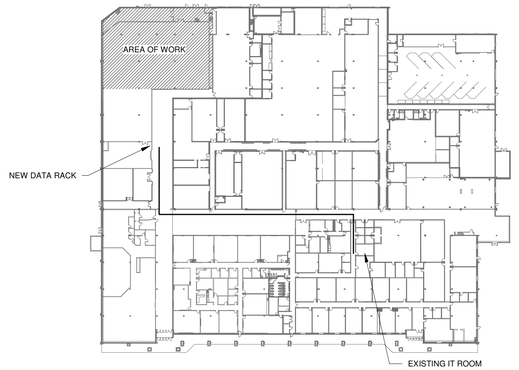
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1 E100 LEVEL 2 - POWER, COMMUNICATIONS & SYSTEMS
1/8" = 1'-0"



2 E100 MAIN LEVEL - POWER, COMMUNICATIONS & SYSTEMS
1/8" = 1'-0"



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- CONDUIT AND CABLING PENETRATIONS THROUGH FIRE RATED SEPARATIONS ARE TO BE FIRE AND SMOKE SEALED TO MAINTAIN FIRE RATING OF THE SEPARATION THROUGH WHICH THEY PASS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FIRE RATED SEPARATIONS AND COORDINATE ELECTRICAL PENETRATIONS ON SITE.
- EXPOSED ELECTRICAL CONDUIT BOXES AND SUPPORTS IN FINISHED AREAS ARE TO BE PAINTED THE COLOUR OF ADJACENT FINISHED SURFACE. COORDINATE EXACT COLOUR AND ASSOCIATED PAINTING WITH GENERAL CONTRACTOR ON SITE.
- EXISTING CONDUCTOR AND CIRCUIT BREAKERS AND ELECTRICAL EQUIPMENT MAY BE REUSED AT THE CONTRACTORS DISCRETION IF DEEMED SUITABLE FOR THE INTENDED INSTALLATION AND IN ACCORDANCE WITH CSA 22.1-24; OTHERWISE, PROVIDE NEW.

SHEET NOTES

1. DEDICATED 200A, 120/208V, CSA TYPE 1 THREE PHASE UNFUSED DISCONNECT SWITCH DEDICATED FOR MOTOR LAB STATIONS. COORDINATE EXACT LOCATION WITH THE GENERAL CONTRACTOR AND OWNER ON SITE PRIOR TO ROUGH IN. PROVIDE LAMICOID PLATE SIZE 3 WHICH READS "NORTH LAB".
2. CONNECT FIRE ALARM INITIATING DEVICES TO THE CLOSEST EXISTING AVAILABLE FIRE ALARM INITIATION LOOP IN A CLASS 'B' WIRING CONFIGURATION IN ACCORDANCE WITH THE MANUFACTURERS WIRING INSTRUCTIONS. COORDINATE ANY DISRUPTIONS OF THE EXISTING FIRE ALARM SYSTEM WITH THE BUILDING OWNER AND ALL OTHER TENANTS PRIOR TO THE COMMENCEMENT OF ANY FIRE ALARM WORK IN AN EFFORT TO MINIMIZE DISRUPTIONS IN DAY-TO-DAY OPERATIONS. (TYPICAL)
3. NEW INTRUSION ALARM SYSTEM DEVICES ARE TO BE CONNECTED BACK TO EXISTING INTRUSION ALARM SYSTEM IN THE BUILDING. (TYPICAL).
4. NEW SURFACE MOUNTED OR RECESS MOUNTED, AS INDICATED, SPEAKERS ASSOCIATED WITH THE EXTENSION OF THE EXISTING MASS NOTIFICATION SYSTEM TO BE SUPPLIED, INSTALLED AND COMMISSIONED BY OTHERS. CONTRACTOR TO PROVIDE ONE (1) CAT6 NETWORK DROP COILED AND LABELLED NEATLY WITHIN THE ACCESSIBLE CEILING SPACE FOR TERMINATIONS BY OTHERS. COORDINATE WITH THE GENERAL CONTRACTOR, OWNER AND HOLLAND COLLEGE IT SERVICES FOR EXACT LOCATIONS AND SPECIFICATIONS ON SITE AND PRIOR TO ROUGH-IN. (TYPICAL)
5. NEW INTERIOR AND EXTERIOR CCTV CAMERAS TO BE MOUNTED AT 10'-0" AFF. COORDINATED EXACT MOUNTING LOCATIONS AND HEIGHT WITH OWNER'S REPRESENTATIVE ON SITE PRIOR TO ROUGH-IN. ALL INTERIOR AND EXTERIOR CAMERAS, ASSOCIATED SWITCHES ARE TO BE COMPATIBLE WITH EXISTING CCTV SYSTEM AND SUPPLIED AND INSTALLED BY THE CONTRACTOR. ALL POE CABLING AND TERMINATIONS TO BE COMPLETED BY THE CONTRACTOR. COORDINATE WITH THE GENERAL CONTRACTOR AND OWNER ON SITE PRIOR TO ROUGH-IN. (TYPICAL)
6. ALL WIRELESS ACCESS POINTS (WAP'S) TO BE SUPPLIED AND INSTALLED BY OTHERS. ALL CABLING INFRASTRUCTURE TO BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATIONS WITH THE GENERAL CONTRACTOR AND HOLLAND COLLEGE IT REPRESENTATIVE ON SITE AND PRIOR TO ROUGH-IN. LEAVE 6'-0" SERVICE LOOP AT EACH LOCATION.
7. PROVIDE UPDATED CIRCUIT DIRECTORIES FOR PANELBOARDS IMPACTED BY RENOVATIONS. (TYPICAL)
8. DEDICATED 200A, 120/208V, CSA TYPE 1 THREE PHASE UNFUSED DISCONNECT SWITCH DEDICATED FOR FUTURE MOCK HOUSE AREA. COORDINATE EXACT LOCATION WITH THE GENERAL CONTRACTOR AND OWNER ON SITE AND PRIOR TO ROUGH IN. PROVIDE LAMICOID PLATE SIZE 3 WHICH READS "NORTH LAB".
9. EXHAUST FAN TO BE WIRED TO SWITCHED SIDE OF LOCAL LIGHTING CIRCUIT.
10. CEILING MOUNTED SHORT-THROW PROJECTOR TO BE SUPPLIED AND INSTALLED BY OWNER. ELECTRICAL CONTRACTOR TO INSTALL ONE (1) CEILING MOUNTED DUPLEX RECEPTACLE AND PROVIDE FOR ROUTING ONE (1) CAT6 CABLE FROM CEILING MOUNTED PROJECTOR TO TEACHER'S STATION. CONTRACTOR TO MAINTAIN 10FT OF SLACK IN CAT6 CABLE AND COIL IN THE ACCESSIBLE CEILING SPACE. COORDINATE EXACT LOCATION OF OWNER SUPPLIED SHORT-THROW PROJECTOR WITH GENERAL CONTRACTOR AND OWNER ON SITE PRIOR TO ROUGH-IN. REFER TO DETAIL 4 ON DRAWING E300 FOR ADDITIONAL INFORMATION.
11. EXISTING DUPLEX RECEPTACLE DEDICATED FOR EXISTING SUMP PUMP TO BE MAINTAINED IN-SITU.
12. WIRING DEVICES AND COMMUNICATIONS OUTLETS MOUNTED ON EXISTING WALLS ARE TO BE SURFACE MOUNTED. CONTRACTOR TO ROUTE 3/4"C SURFACE MOUNTED UP WALL TO EXPOSED CEILING SPACE. COORDINATE EXACT CONDUIT ROUTING WITH GENERAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN. (TYPICAL)
13. DEDICATED 30A, 120/208V, THREE PHASE UNFUSED DISCONNECT SWITCH DEDICATED FOR FUTURE MOCK HOUSE AREA. COORDINATE EXACT LOCATION WITH THE GENERAL CONTRACTOR AND OWNER ON SITE PRIOR TO ROUGH IN.
14. DUPLEX RECEPTACLE DEDICATED FOR WATER BOTTLE FILL STATION. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
15. WIRE 120VAC-24VDC TRANSFORMER MOUNTED IN 4"x4" JUNCTION BOX LOCATED IN THE ACCESSIBLE CEILING SPACE OF CLASSROOM 306 WITH 2c#12 AC90 CABLING. ALL CONTROL WIRING TO BE COMPLETED BY OTHERS.
16. VFD'S FOR BOTH WELL PUMP 'WP-1' & 'WP-2'. WIRE VFD AND ASSOCIATED DISCONNECT WITH 3#8, 1#10 BOND IN 1"C FROM SOURCE. WIRE LOAD REACTOR TO WELL HEAD WITH 3#8, 1#10 BOND IN 1"C. VFD, DISCONNECT AND LOAD REACTOR SUPPLIED AND INSTALLED BY OTHERS. POWER WIRING BY DIV. 26. REFER TO DETAIL 1/E001 FOR ADDITIONAL INFORMATION.

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Client: Holland College

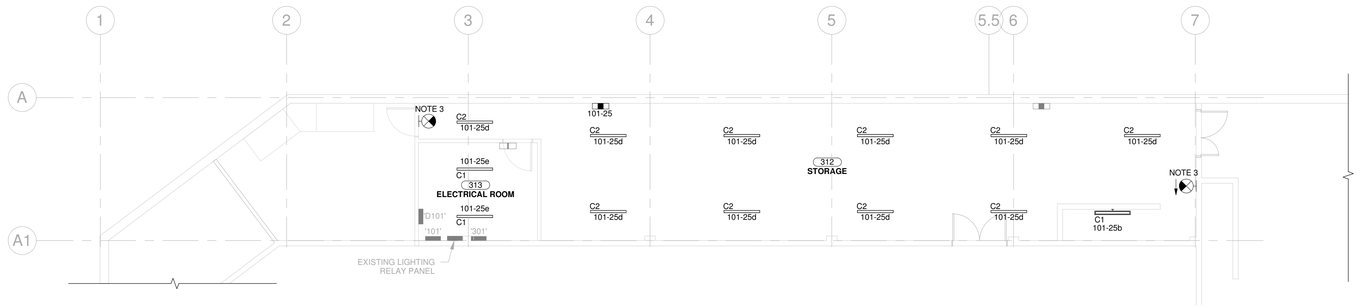
Project Title: Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Main Level & Level 2 - Power, Communications & Systems

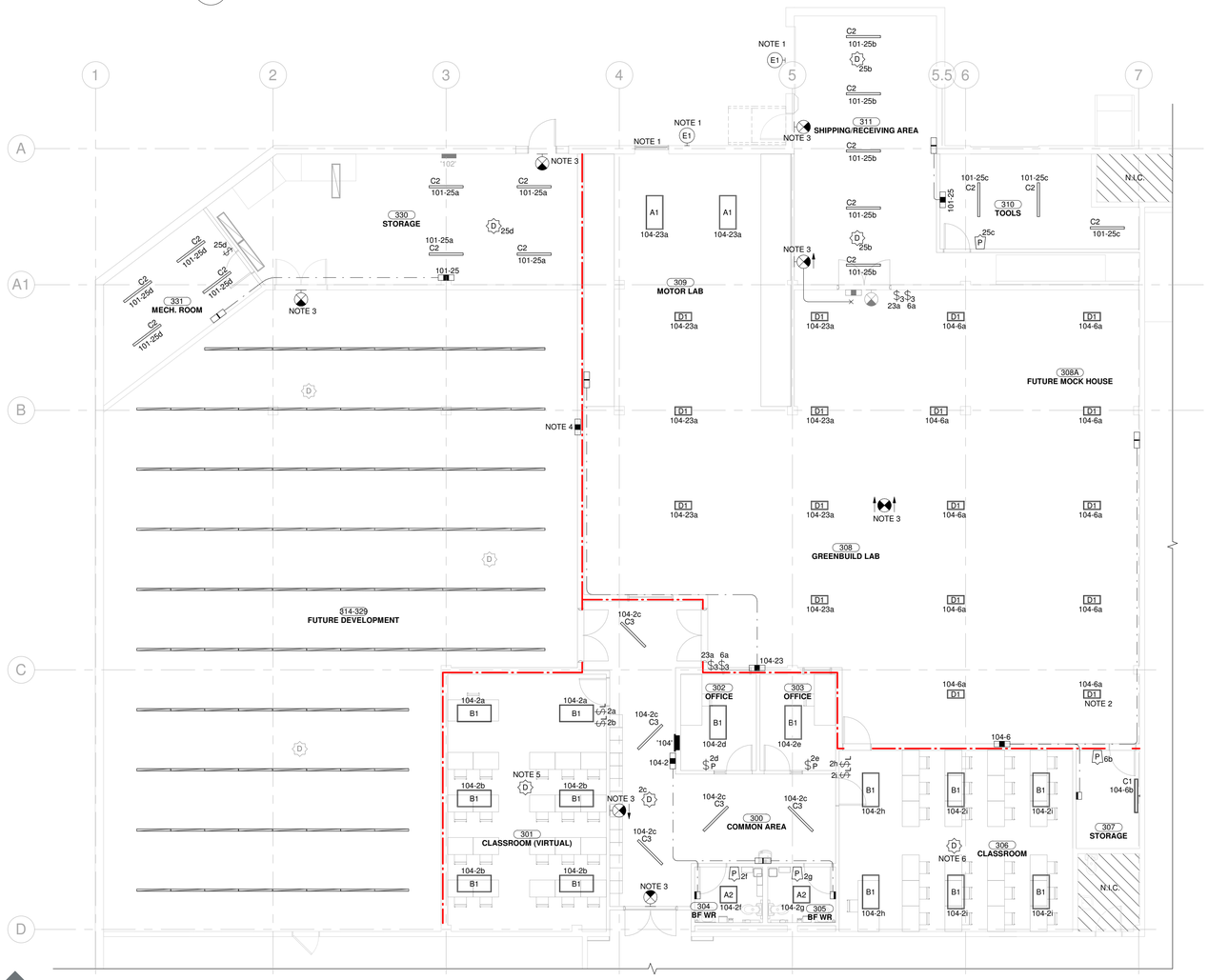
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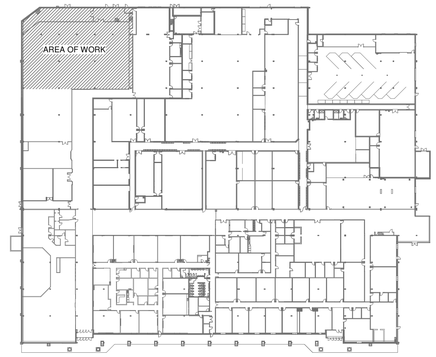
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1 E200 LEVEL 2 - LIGHTING
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2 E200 MAIN LEVEL - LIGHTING
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- EXISTING CONDUCTOR AND CIRCUIT BREAKERS AND ELECTRICAL EQUIPMENT MAY BE REUSED AT THE CONTRACTORS DISCRETION IF DEEMED SUITABLE FOR THE INTENDED INSTALLATION AND IN ACCORDANCE WITH CSA 22.1-24; OTHERWISE, PROVIDE NEW.

SHEET NOTES

1. EXTERIOR FAÇADE MOUNTED LUMINAIRES TO BE INSTALLED AT EXISTING LOCATIONS OF EXTERIOR LIGHTING FIXTURES AND RECONNECTED TO EXISTING BRANCH CIRCUIT WIRING. CONTRACTOR TO PROVIDE ALL PATCHING, SEALING AND PAINTING AS REQUIRED FOR REMEDIATION OF EXISTING SIDING TO ACCOMMODATE NEW LIGHT TYPE. CONFIRM EXACT LOCATION AND MOUNTING HEIGHT OF LUMINAIRES ON SITE PRIOR TO ROUGH-IN.
2. EXACT INSTALLATION HEIGHT, ABOVE FINISHED FLOOR LEVEL, OF TYPE D1 LIGHT FIXTURES TO BE CONFIRMED ON SITE WITH THE GENERAL CONTRACTOR AND OWNER.
3. NEW EXIT SIGN TO BE WIRED TO EXISTING EXIT SIGN CIRCUIT WITH 2#12, 1# 14 BOND IN 3/4"C. (TYPICAL)
4. NEW EMERGENCY LIGHTING UNIT TO BE WIRED TO LOCAL EXISTING LIGHTING CIRCUIT.
5. REFER TO DETAIL 5/E301 FOR ADDITIONAL INFORMATION ON WIRING.
6. REFER TO DETAIL 6/E301 FOR ADDITIONAL INFORMATION ON WIRING.

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Client: Holland College

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98 Water Street, Summerside, PE

Sheet Title: Main Level & Level 2 - Lighting

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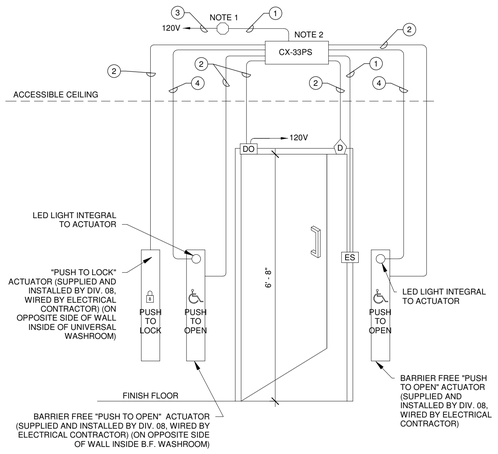
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ITEM	WIRE DESCRIPTION	SUPPLIED BY	PART #
1	2c#18 AWG	DIV. 28	PROVO #9182 OR EQUAL
2	2c#22 AWG	DIV. 28	PROVO #Z222 OR EQUAL
3	2c#12 AWG	DIV. 28	AC90
4	3c#22 AWG	DIV. 28	PROVO #92226 OR EQUAL

NOTES:

1. CONTROL TRANSFORMER LOCATED IN A 6" x 6" x 4" JUNCTION BOX LOCATED IN COMMON AREA 300. CONTROL TRANSFORMER TO BE SUPPLIED AND INSTALLED BY DIV. 08, WIRED BY ELECTRICAL CONTRACTOR.
2. CX-33 PS POWER SUPPLY TO BE SUPPLIED AND INSTALLED BY DIV. 08, WIRED BY ELECTRICAL CONTRACTOR. POWER SUPPLY TO BE WALL MOUNTED IN COMMON AREA 300.



THEORY OF OPERATION:

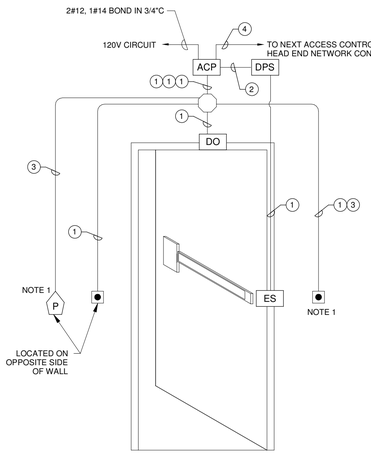
DOOR TO NORMALLY REMAIN CLOSED AND UNLOCKED. PRESSING THE EXTERIOR "PUSH TO OPEN" PUSH PLATE OPENS B.F. WASHROOM DOOR AND ALLOWS ACCESS INTO B.F. WASHROOM. ONCE INSIDE B.F. WASHROOM AND THE DOOR IS CLOSED, PRESSING THE "PUSH TO LOCK" ENGAGES THE ELECTRIC STRIKE, LOCKS THE DOORS AND ILLUMINATES EXTERIOR AND INTERIOR LED ANNUNCIATORS FROM GREEN TO RED, LEAVING B.F. WASHROOM. PRESSING THE INTERIOR "PUSH TO OPEN" PUSH PLATE RELEASES THE ELECTRIC STRIKE, UNLOCKS THE DOOR, DEACTIVATES THE ILLUMINATED ANNUNCIATORS AND RESETS THE SYSTEM. IF THE DOOR IS OPENED MANUALLY TO EXIT THE B.F. WASHROOM, THE OVERHEAD MAGNETIC CONTACT SWITCH RESETS THE SYSTEM.

1 E300 BARRIER FREE WASHROOM DOOR 304.1 & 305.1 DETAIL
N.T.S.

ITEM	WIRE DESCRIPTION	SUPPLIED BY	PART #
1	2c#18 AWG	DIV. 28	PROVO #9182 OR EQUAL
2	4c#18 AWG	DIV. 28	PROVO #9184 OR EQUAL
3	6c#22 AWG SHIELDED	DIV. 28	PROVO #6706 OR EQUAL
4	CAT 6 CABLE IN 3/4"C	DIV. 28	

NOTES:

1. WIRE POWER ASSISTED DOOR PUSHBUTTONS THROUGH FAIL SAFE DOOR CONTROLLER RELAY AND PROGRAM DOOR CONTROLLER SUCH THAT PUSHBUTTONS ARE DISABLED WHEN DOOR IS LOCKED.
2. CONCEAL ACCESS CONTROL WIRING IN DOOR FRAME. COORDINATE INSTALLATION WITH DIV. 8 ON SITE. (TYPICAL)

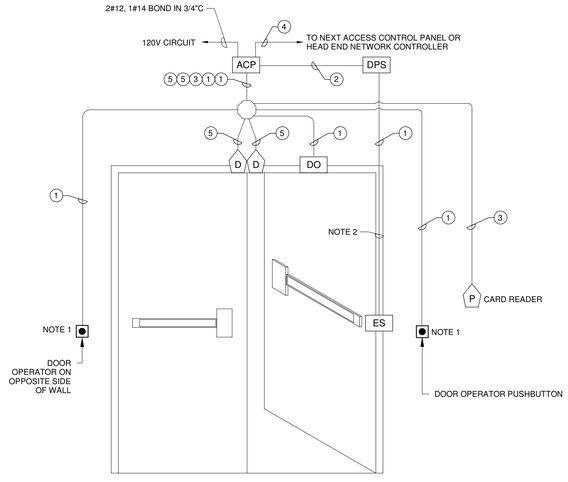


2 E300 SHIPPING / RECEIVING DOOR DETAIL
N.T.S.

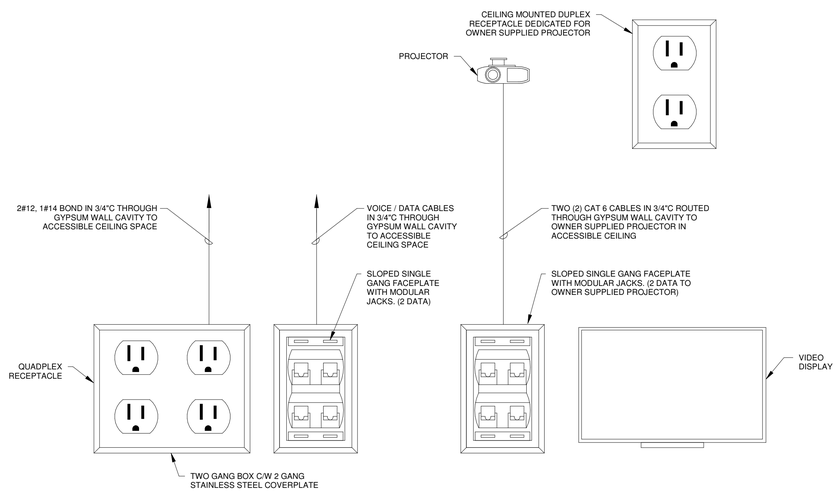
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3	6c#22 AWG SHIELDED	DIV. 28	PROVO #6706 OR EQUAL
4	CAT 6 CABLE IN 3/4"C	DIV. 28	
5	2c#22 AWG	DIV. 28	PROVO #Z222 OR EQUAL

NOTES:

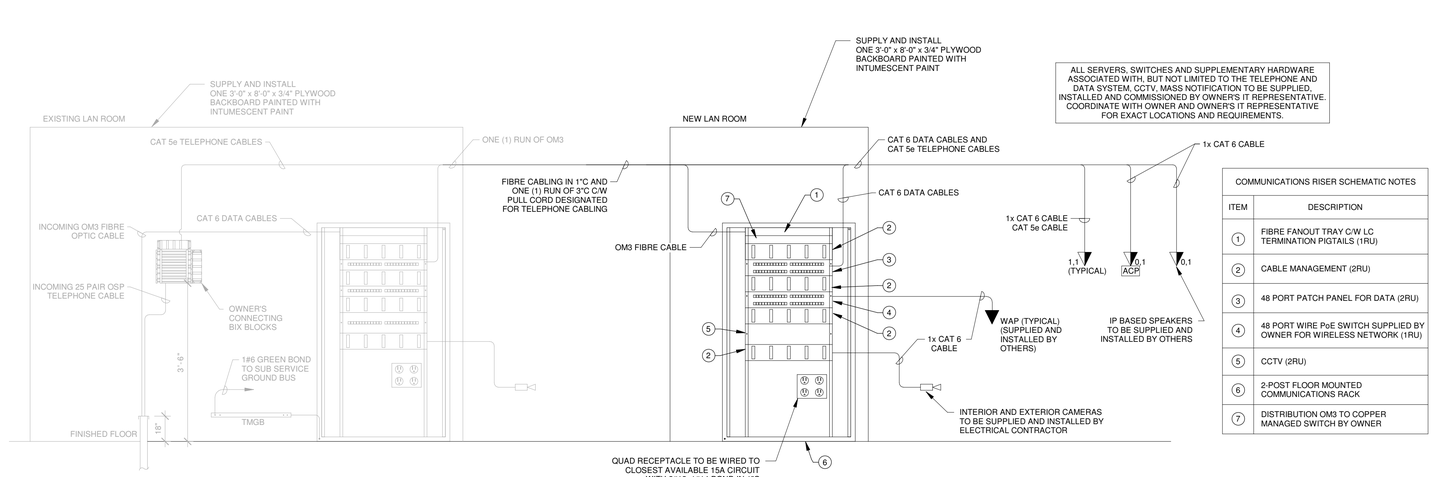
1. WIRE POWER ASSISTED DOOR PUSHBUTTONS THROUGH FAIL SAFE DOOR CONTROLLER RELAY AND PROGRAM DOOR CONTROLLER SUCH THAT PUSHBUTTONS ARE DISABLED WHEN DOOR IS LOCKED.
2. CONCEAL ACCESS CONTROL WIRING IN DOOR FRAME. COORDINATE INSTALLATION WITH DIV. 8 ON SITE. (TYPICAL)



3 E300 ACCESS CONTROL DOOR 300.0 DETAIL
N.T.S.



4 E300 TEACHERS STATION OUTLET DETAIL
N.T.S.



COMMUNICATIONS RISER SCHEMATIC NOTES

ITEM	DESCRIPTION
1	FIBRE FANOUT TRAY C/W LC TERMINATION PIGTAILS (1RU)
2	CABLE MANAGEMENT (2RU)
3	48 PORT PATCH PANEL FOR DATA (2RU)
4	48 PORT WIRE PoE SWITCH SUPPLIED BY OWNER FOR WIRELESS NETWORK (1RU)
5	CCTV (2RU)
6	2-POST FLOOR MOUNTED COMMUNICATIONS RACK
7	DISTRIBUTION OM3 TO COPPER MANAGED SWITCH BY OWNER

5 E300 COMMUNICATIONS RISER
N.T.S.

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Seal: PROFESSIONAL ENGINEER — Elliot S. Coles 1620 — 29.10.2025 — PROVINCE OF PRINCE EDWARD ISLAND

Client: Holland College

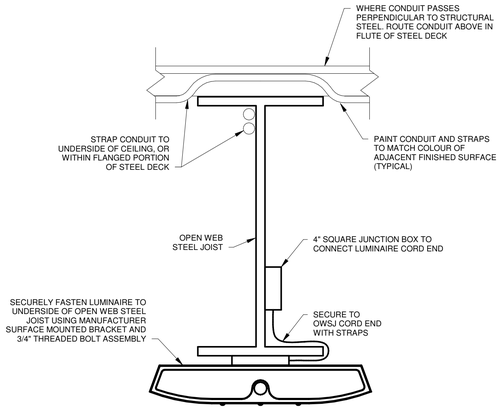
Project Title: Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Power, Communications and Systems Details

Rev. No.:	Issued for:	Date: (YYYY-MM-DD)
0	Tender	2026-10-29

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Drn By: CLS / DLM
Chk By: ESC
Rev. No.: 0
Project Number: 261102
Drawing Number: E300

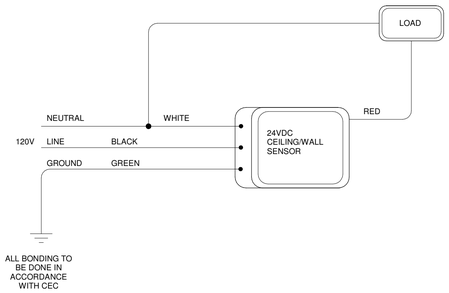
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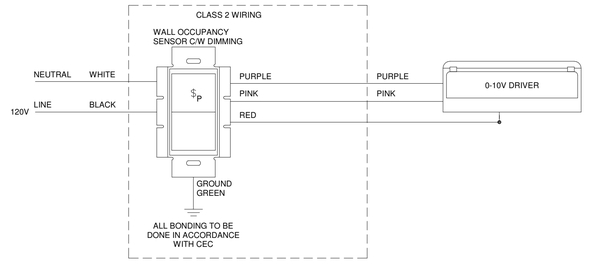
1 E301 LUMINAIRE TYPE D1 MOUNTING DETAIL
N.T.S.

SCHEMATIC GENERAL NOTES

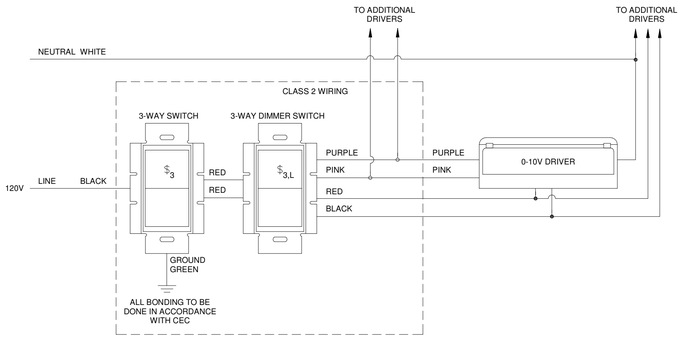
1. IF 24VDC POWER INPUT IS REQUIRED, CONTRACTOR TO PROVIDE 120-24V POWER PACK IN ACCESSIBLE CEILING SPACE MOUNTED ON A 4" x 4" x 2" SQUARE JUNCTION BOX.



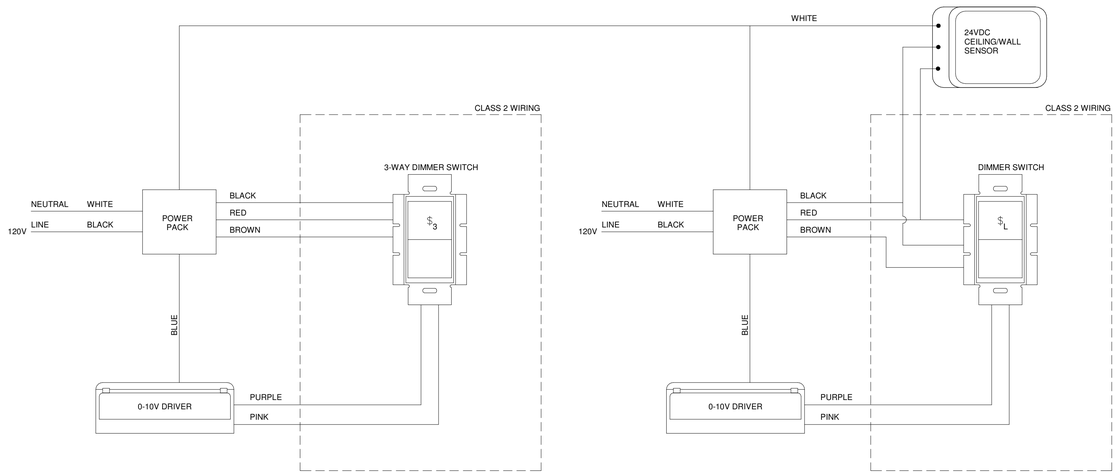
2 E301 OCCUPANCY SENSOR WIRING SCHEMATIC
N.T.S.



3 E301 0-10 VDC DIMMING CONTROL WITH OCCUPANCY SENSING WIRING SCHEMATIC - SINGLE POLE (TYPICAL)
N.T.S.



4 E301 0-10 VDC DIMMING CONTROL WIRING SCHEMATIC - THREE WAY
N.T.S.



5 E301 0-10 VDC TWO (2) ZONE DIMMING CONTROL AND OCCUPANCY SENSOR WIRING SCHEMATIC - SINGLE POLE
N.T.S.

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Seal: PROFESSIONAL ENGINEER — Elliot S. Coles — 1620 — 29.10.2025 — PROVINCE OF PRINCE EDWARD ISLAND

Client: Holland College

Project Title: Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Lighting Details

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LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	LAMP	MOUNTING
A1	2' (w) X 4' (l), LOW PROFILE LED FLAT PANEL, SEAMLESS ALUMINUM FRAME, STAIN WHITE LENS, 0-10V DIMMING DRIVER, 120V DRIVER. LITHONIA #CPX 2X4 ALO8 80CRI SWW7 SWL MVOLT METALUX #24CGTS-NUV CFI # 2SBP4060L8CSP-4-UN3-DIM ORACLE LIGHTING #24-FPL-BL-LED-3000L/4000L/5000L-DIM10-MVOLT-35K/40K/50K-85 STANPRO #70012, L3PNV-4LPS50-Q/SC/CHOICE LEDVANCE #PANELF3B024UNVD8SC724GWH	LED 3200 LUMENS 25W L80 AT 60,000h 80 CRI 4000K	RECESSED IN GYPSUM CEILING. PROVIDE FOR DRYWALL GRID ADAPTER.
A2	2' (w) X 2' (l), LOW PROFILE LED FLAT PANEL, SEAMLESS ALUMINUM FRAME, STAIN WHITE LENS, 0-10V DIMMING DRIVER, 120V DRIVER. LITHONIA #CPX 2X2 AL07 80CRI SWW7 SWL MVOLT METALUX #22CGTS-NUV CFI # 2SBP4060L8CSP-2-UN3-DIM ORACLE LIGHTING #22-FPL-BL-LED-3000L/4000L/5000L-DIM10-MVOLT-35K/40K/50K-85 STANPRO #70011, L3PNV-2LPS40-Q/SC/CHOICE LEDVANCE #PANELF3B024UNVD8SC724GWH	LED 3200 LUMENS 25W L80 AT 60,000h 80 CRI 4000K	RECESSED IN T-BAR CEILING.
B1	2' (w) X 4' (l), RECESS MOUNTED LOW PROFILE LED VOLUMETRIC PANEL, EXTRUDED ALUMINUM FRAME, ACRYLIC DIFFUSER, WHITE FINISH, COLOUR SELECTABLE, 0-10V DIMMABLE TO 10%, 120V DRIVER. LITHONIA #STAKS 2X4 ALO6 SWW7 METALUX #24ARS-L3C3-NUV CFI #2DSRT4060LCS-4-UNV-DIM ORACLE LIGHTING #24-DEVHP-LED-4000L-DIM10-MVOLT-40K-85 STANPRO #69163, L3CBA-4LPS45P-Q/3C LEDVANCE #VOLUME6A/S044UNHD8SC7/24U/WH	LED 4000 LUMENS 32W L80 AT 60,000h 80 CRI 4000K	RECESSED IN T-BAR CEILING.
C1	OWNER SUPPLIED LUMINAIRE SYLVANIA #STAIR1A/S45UNVD8SC7/48SWHUS	LED 5000 LUMENS 45 W L70 AT 150,000h 80 CRI 4000K	OWNER SUPPLIED, ELECTRICAL CONTRACTOR INSTALLED LUMINAIRES TO BE SURFACE MOUNTED TO GYPSUM CEILING OR WALL AS INDICATED ON DRAWINGS.
C2	4' LONG, SUSPENDED/SURFACE MOUNTED LED STRIP FIXTURE C/W FROSTED ACRYLIC ROUND DIFFUSED LENS AND WIDE DISTRIBUTION, WHITE FINISH, 120V DRIVER. LITHONIA #CLX L48 4000LM HEF RDL WD MVOLT GZ10 40K 80CRI WH HC36M12 METALUX #SNX-41SL-LW-UNV-L840-CD1-U DAY-BRITE #FSS455L840-UNV-DIM	LED 4000 LUMENS 23W L70 AT 100,000h 80 CRI 4000K	SUSPENDED OR SURFACE MOUNTED AS INDICATED ON DRAWINGS.
C3	4' LONG, SUSPENDED LED CYLINDER C/W GENERAL DISTRIBUTION, EXTRUDED ALUMINUM HOUSING, FROSTED POLYCARBONATE DIFFUSER, 0-10VDC DIMMABLE, 120V INTEGRATED DRIVER, WHITE FINISH. LITHONIA #LL8 6000LM 80CRI 40K CPD MIN10 ZT MVOLT F3/120A WH Peerless #SVT-8-60-40K-P2-W-A12-MV METALUX #8AWS-L3C3-UNV	LED 6000 LUMENS 50W L80 AT 92,000h 80 CRI 4000K	SUSPENDED AT 10' AFF. COORDINATE EXACT LOCATION AND SUSPENSION HEIGHT ON SITE WITH OWNER PRIOR TO ROUGH-IN.
D1	RECTANGULAR SUSPENDED HIGH BAY LED FIXTURE C/W ACRYLIC LENS, WIDE DISTRIBUTION, WHITE FINISH, 120V DRIVER. LITHONIA #IBG 18000LM SEF ACL WD 40K 80CRI METALUX #OHB-18SE-W-UNV-L840-CD-C3-U DAY-BRITE #FBY18L840-UNV-LCA ELITE #CB2-LED-18000L-DIM10-MVOLT-WD-40K-85 STANPRO #697777, L1LEH-24PS120-Q-3C LEDVANCE #LNHIBAV/S165UNHD8SC7/ADJ/WH	LED 18000 LUMENS 133W L70 AT 100,000h 80 CRI 4000K	SUSPENDED AT 18' AFF. COORDINATE EXACT LOCATION AND SUSPENSION HEIGHT ON SITE WITH OWNER PRIOR TO ROUGH-IN.
E1	EXTERIOR LED WALL PACK, DIE-CAST ALUMINUM HOUSING, IP65 RATED, INTEGRAL PHOTOCELL, BRONZE FINISH, 120V DRIVER. LITHONIA #TWR2 LED AL0 SWW2 UVOLT PE DDBTXD HALO #WXPM120L5FSUNVD8Z STONCO #WP100-SCT-G3-10-BZ ORACLE LIGHTING #OWP-NC-205-ADJ-LED-8000L/11000L/13000L/15000L-DIM10-MVOLT-30K/40K/50K-BZ-PHC STANPRO #69910, WPS-PS100B-Q-3C-BR LEDVANCE #WALPAKNPS080UNHD8SC2ADJBZP	LED 12100 LUMENS 82W L70 AT 100,000h 80 CRI 4000K	SURFACE MOUNTED TO EXTERIOR FAÇADE AT LOCATIONS OF EXISTING LUMINAIRES.

MECHANICAL EQUIPMENT SCHEDULE

TYPE	LOCATION	DESCRIPTION	VOLTS	PHASE	RATED KW	RATED HP	AMPS	REMARKS
BB-1	TOOLS 301	ELECTRIC BASEBOARD	208	1	1.5	-	7.2	BASEBOARD HEATER C/W INTEGRAL LINE VOLTAGE THERMOSTAT SUPPLIED AND INSTALLED BY DIV. 23, POWER WIRING BY DIV. 26
EF-1	BF WR 304	EXHAUST FAN	120	1	-	-	-	EXHAUST FAN TO BE WIRED TO SWITCHED SIDE OF LOCAL LIGHTING CIRCUIT.
EF-2	BF WR 305	EXHAUST FAN	120	1	-	-	-	EXHAUST FAN TO BE WIRED TO SWITCHED SIDE OF LOCAL LIGHTING CIRCUIT.
ERV-1	ROOFTOP	ENERGY RECOVERY VENTILATOR	208	3	-	-	18.9 (MCA) 25 (MOCP)	SUPPLY AND INSTALL LOCAL CSA TYPE 4X RATED 30A UNFUSED DISCONNECT SWITCH. LOCATE CSA TYPE 4X DISCONNECT SWITCH ADJACENT TO UNIT. ROUTE 3#10 TECK CABLE FROM UNIT THROUGH LOCAL CSA TYPE 4X DISCONNECT SWITCH DOWNWARDS THROUGH ROOFCURB. CONTRACTOR TO PROVIDE FOR 2#12 TECK CABLE ROUTED ALONG THE SAME PATHWAY FOR ROOFTOP DUPLEX RECEPTACLE. ALL CONTROLS WIRING TO BE COMPLETED BY OTHERS. COORDINATE EXACT LOCATION AND CABLE ROUTING WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN. ROOFTOP PENETRATIONS PATCHING AND SEALING TO BE COORDINATED WITH AND COMPLETED BY GENERAL CONTRACTOR.
GF-1	MECH ROOM 331	GYCOL PUMP	120	1	-	-	-	PROVIDE LOCAL MANUAL MOTOR STARTER. COORDINATE EXACT LOCATION ONSITE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN
HP-1	COMMON AREA 300	HEAT PUMP	208	1	-	-	11.8 (MCA) 15 (MOCP)	SUPPLY AND INSTALL LOCAL CSA TYPE 1 RATED 15A UNFUSED DISCONNECT SWITCH. LOCATE CSA TYPE 1 RATED UNFUSED DISCONNECT SWITCH ADJACENT TO UNIT. ROUTE 2#12, 1#14 BOND IN 1"C THROUGH LOCAL UNFUSED DISCONNECT SWITCH. COORDINATE EXACT LOCATION OF HEAT PUMP WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
HP-2	CLASSROOM 306	HEAT PUMP	208	1	-	-	11.8 (MCA) 15 (MOCP)	SUPPLY AND INSTALL LOCAL CSA TYPE 1 RATED 15A UNFUSED DISCONNECT SWITCH. LOCATE CSA TYPE 1 RATED UNFUSED DISCONNECT SWITCH ADJACENT TO UNIT. ROUTE 2#12, 1#14 BOND IN 1"C THROUGH LOCAL UNFUSED DISCONNECT SWITCH. COORDINATE EXACT LOCATION OF HEAT PUMP WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
HP-3	COMMON AREA 300	HEAT PUMP	208	1	-	-	7.9 (MCA) 15 (MOCP)	SUPPLY AND INSTALL LOCAL CSA TYPE 1 RATED 15A UNFUSED DISCONNECT SWITCH. LOCATE CSA TYPE 1 RATED UNFUSED DISCONNECT SWITCH ADJACENT TO UNIT. ROUTE 2#12, 1#14 BOND IN 1"C THROUGH LOCAL UNFUSED DISCONNECT SWITCH. COORDINATE EXACT LOCATION OF HEAT PUMP WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
HP-4	FUTURE DEVELOPMENT 314-329	HEAT PUMP	208	3	-	-	33.8 (MCA) 45 (MOCP)	SUPPLY AND INSTALL LOCAL CSA TYPE 1 RATED 60A DISCONNECT SWITCH FUSED AT 45A. LOCATE CSA TYPE 1 RATED FUSED DISCONNECT SWITCH ADJACENT TO UNIT. ROUTE 3#8, 1#10 BOND IN 1 1/4"C THROUGH LOCAL UNFUSED DISCONNECT SWITCH. COORDINATE EXACT LOCATION OF HEAT PUMP WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
HP-5	MOTOR LAB 309	HEAT PUMP	208	3	-	-	20.9 (MCA) 30 (MOCP)	SUPPLY AND INSTALL LOCAL CSA TYPE 1 RATED 30A UNFUSED DISCONNECT SWITCH. LOCATE CSA TYPE 1 RATED UNFUSED DISCONNECT SWITCH ADJACENT TO UNIT. ROUTE 3#10, 1#12 BOND IN 1"C THROUGH LOCAL UNFUSED DISCONNECT SWITCH. COORDINATE EXACT LOCATION OF HEAT PUMP WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
HP-6	GREENBUILD LAB 308	HEAT PUMP	208	3	-	-	20.9 (MCA) 30 (MOCP)	SUPPLY AND INSTALL LOCAL CSA TYPE 1 RATED 30A UNFUSED DISCONNECT SWITCH. LOCATE CSA TYPE 1 RATED UNFUSED DISCONNECT SWITCH ADJACENT TO UNIT. ROUTE 3#10, 1#12 BOND IN 1"C THROUGH LOCAL UNFUSED DISCONNECT SWITCH. COORDINATE EXACT LOCATION OF HEAT PUMP WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
HP-7	GREENBUILD LAB 308	HEAT PUMP	208	3	-	-	20.9 (MCA) 30 (MOCP)	SUPPLY AND INSTALL LOCAL CSA TYPE 1 RATED 30A UNFUSED DISCONNECT SWITCH. LOCATE CSA TYPE 1 RATED UNFUSED DISCONNECT SWITCH ADJACENT TO UNIT. ROUTE 3#10, 1#12 BOND IN 1"C THROUGH LOCAL UNFUSED DISCONNECT SWITCH. COORDINATE EXACT LOCATION OF HEAT PUMP WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
HP-8	MECHANICAL ROOM 331	HEAT PUMP	208	3	-	-	36.5 (MCA) 60 (MOCP)	SUPPLY AND INSTALL LOCAL CSA TYPE 1 RATED 60A UNFUSED DISCONNECT SWITCH. LOCATE CSA TYPE 1 RATED UNFUSED DISCONNECT SWITCH ADJACENT TO UNIT. ROUTE 3#6, 1#8 BOND IN 1 1/2"C THROUGH LOCAL UNFUSED DISCONNECT SWITCH. COORDINATE EXACT LOCATION OF HEAT PUMP WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
P-1	MECHANICAL ROOM 331	GEOTHERMAL PUMP	208	3	-	5	-	PUMP TO BE C/W INTEGRAL DISCONNECT SWITCH. PUMP TO BE WIRED WITH 3#12, 1#14 BOND IN 3/4"C THROUGH INTEGRAL DISCONNECT SWITCH. COORDINATE EXACT LOCATION OF PUMP WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
P-2	MECHANICAL ROOM 331	GEOTHERMAL PUMP	208	3	-	5	-	PUMP TO BE C/W INTEGRAL DISCONNECT SWITCH. PUMP TO BE WIRED WITH 3#12, 1#14 BOND IN 3/4"C THROUGH INTEGRAL DISCONNECT SWITCH. COORDINATE EXACT LOCATION OF PUMP WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
P-3	MECHANICAL ROOM 331	GEOTHERMAL PUMP	208	1	-	1	-	SUPPLY AND INSTALL LOCAL MANUAL MOTOR STARTER ADJACENT TO UNIT. ROUTE 2#12, 1#14 BOND IN 3/4"C THROUGH LOCAL MANUAL MOTOR STARTER. COORDINATE EXACT LOCATION OF PUMP WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
WF-1	COMMON 300	WATER FOUNTAIN WITH BOTTLE FILLING	120	1	-	-	-	SUPPLY AND INSTALL A LOCAL 15A CSA 5-15R GFCI DUPLEX RECEPTACLE. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
WH-3	STORAGE 307	DOMESTIC HOT WATER HEATER	208	1	4.5	-	-	SUPPLY AND INSTALL LOCAL CSA TYPE 1 RATED 30A UNFUSED DISCONNECT SWITCH. LOCATE CSA TYPE 1 DISCONNECT SWITCH ADJACENT TO UNIT. ROUTE 2#10, 1#12 BOND IN 1 1/4"C THROUGH LOCAL UNFUSED DISCONNECT SWITCH. COORDINATE EXACT LOCATION OF DOMESTIC HOT WATER HEATER WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
WP-1	SUPPLY WELL #1	WELL PUMP	208	3	-	7.5	27 (FLA)	PUMP TO BE C/W INTEGRAL DISCONNECT SWITCH, VFD AND LOAD REACTOR. PUMP TO BE WIRED WITH 3#8, 1#10 BOND IN 1"C THROUGH INTEGRAL DISCONNECT SWITCH. COORDINATE EXACT LOCATION OF PUMP WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
WP-2	SUPPLY WELL #2	WELL PUMP	208	3	-	7.5	27 (FLA)	PUMP TO BE C/W INTEGRAL DISCONNECT SWITCH, VFD AND LOAD REACTOR. PUMP TO BE WIRED WITH 3#8, 1#10 BOND IN 1"C THROUGH INTEGRAL DISCONNECT SWITCH. COORDINATE EXACT LOCATION OF PUMP WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.

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Seal: PROFESSIONAL ENGINEER — The Association of Professional Engineers of Prince Edward Island — Elliot S. Coles 1620 — 29.10.2025 — PROVINCE OF PRINCE EDWARD ISLAND

Client: Holland College

Project Title: Holland College Summerside Waterfront Campus - GreenBuild Trade Expansion
98 Water Street, Summerside, PE

Sheet Title: Schedules

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