CARTER AI
DAVID CARTER ARCHITECTS INC.

# ADDENDUM #2

February 4, 2026
CGMH NEW NUCLEAR MEDICINE SPECT/CT SUITE RENOVATION PROJECT
Job Number: 24-200
To: All Bidders, All Consultants, Project Manager
Number of Pages : 44

This addendum forms part of the Bid Documents and should be read in conjunction with the Drawings and Specifications forming the Bid Documents. Information contained in this Addendum supersedes or replaces previous information.

**Responses to RFI:**

**Q16** WP-1, WP-2, and WP-3 are to be provided in accordance with both the Finish Schedule on Sheet A-003 and the Floor Plan on Sheet A-201. The drawings are to be read together. Where wall protection is required on all walls within a space, it is identified in the Finish Schedule. Where wall protection is required on select walls only, this is identified by notes/symbols on the floor plans.

**Q17** The SPECT/CT scanner will be supplied and installed by the Owner's equipment vendor. Contractor scope related to the scanner is described in the Contract Drawings and Equipment Installation Drawings. Refer to Accessories Schedule 2/A-004 for supply and installation responsibilities of other items.

**Q21** Yes, the Building Permit has been secured.

**Q29** Refer to Accessories Schedule 2/A-004 for responsibility of supply and installation of furniture, fixtures and accessories.

**Changes to Drawings**:

1. Refer to revised sheet A-003 (attached): **ADD** P4 wall assembly.
2. Refer to revised sheet A-201 (attached): **REVISE** wall assembly to P4.
3. Refer to revised sheet A-202 (attached):
    a. **ADD** light fixture in SPECT/CT Room.
    b. **REVISE** wall to align with plan revision.
4. Refer to attached **Mechanical Addendum M-02.**
5. Refer to attached **Electrical Addendum E-02.**

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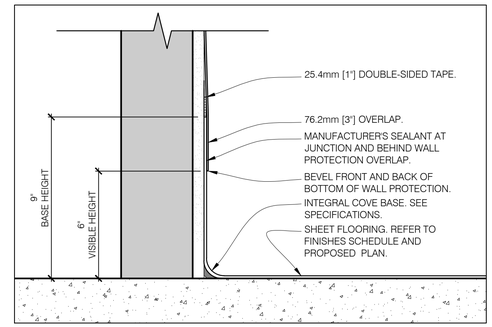



3 A-003 **WB-1 DETAIL**
SCALE: NTS

## ASSEMBLIES SCHEDULE

**C1**

ACOUSTIC CEILING TILE

- WHITE - 609mm x 609mm x 19mm CLASS A ACT PANEL. REFER TO SPECIFICATION AND FINISH SCHEDULE.
- EXPOSED ACT T-GRID SUSPENDED TO U/S OF EXISTING CONCRETE SLAB (EXISTING CEILING GRID TO REMAIN WHERE NOTED ON RCP)

**C2**

ARCHITECTURAL SUSPENDED CEILING

- PAINT FINISH (REFER TO FINISH SCHEDULE AND SPEC)
- 1 LAYER 15.9mm [5/8"] GWB
- 22mm METAL FURRING CHANNELS @ 600mm O.C.
- 38 mm GALVANIZED COLD ROLLED CHANNELS (PERPENDICULAR TO CHANNEL GRID SUSPENDED FROM STRUCTURE ABOVE).

**C3**

ARCHITECTURAL SUSPENDED CEILING

- PAINT FINISH (REFER TO FINISH SCHEDULE AND SPEC)
- 1 LAYER 15.9mm [5/8"] MOISTURE RESISTANT GWB
- 22mm METAL FURRING CHANNELS @ 600mm O.C.
- 38 mm GALVANIZED COLD ROLLED CHANNELS (PERPENDICULAR TO CHANNEL GRID SUSPENDED FROM STRUCTURE ABOVE).

**P1**

INTERIOR PARTITION (NON-LOADBEARING)

- 1 LAYER 15.9mm [5/8"] REGULAR GWB
- 92mm [3-5/8"] STEEL STUDS, 20 ga, SPACED @ MAX 400mm [16"] O.C.
- MINERAL WOOL
- 1 LAYER 15.9mm [5/8"] REGULAR GWB

**P2**

INTERIOR PARTITION (NON-LOADBEARING)
1/16" LEAD-LINED

- 1 LAYER 15.9mm [5/8"] REGULAR GWB
- 1 LAYER 1.6mm [1/16"] THICK LEAD SHIELDING
  - PROVIDE 50mm [2"] WIDE 1/16" THICK SHEET LEAD AT SEAMS B/W LEAD SHEETS, TYP.
  - PROVIDE 1/16" THICK SPACERS AT STUDS OTHER THAN THOSE CENTRED AT SEAMS.
  - PROVIDE 3/8"Ø LEAD DISCS TO COVER COUNTERSUNK SCREWS, TYP.
- 3-5/8" STEEL STUDS, 20 ga, SPACED @ MAX 400mm [16"] O.C.
- MINERAL WOOL
- 1 LAYER 15.9mm [5/8"] REGULAR GWB

**P3**

INTERIOR PARTITION (NON-LOADBEARING)
1/32" LEAD-LINED

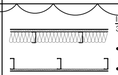
- 1 LAYER 15.9mm [5/8"] REGULAR GWB
- 1 LAYER 0.8mm [1/32"] THICK LEAD SHIELDING
  - PROVIDE 50mm [2"] WIDE 1/32" THICK SHEET LEAD AT SEAMS B/W LEAD SHEETS, TYP.
  - PROVIDE 1/32" THICK SPACERS AT STUDS OTHER THAN THOSE CENTRED AT SEAMS.
  - PROVIDE 3/8"Ø LEAD DISCS TO COVER COUNTERSUNK SCREWS, TYP.
- 3-5/8" STEEL STUDS, 20 ga, SPACED @ MAX 400mm [16"] O.C.
- MINERAL WOOL
- 1 LAYER 15.9mm [5/8"] REGULAR GWB

**P4**

INTERIOR CHASE PARTITION (NON-LOADBEARING)
1/16" LEAD-LINED

- 1 LAYER 15.9mm [5/8"] GWB
- 1 LAYER 1.6mm [1/16"] THICK LEAD SHIELDING
  - PROVIDE 50mm [2"] WIDE 1/16" THICK SHEET LEAD AT SEAMS B/W LEAD SHEETS, TYP.
  - PROVIDE 1/16" THICK SPACERS AT STUDS OTHER THAN THOSE CENTRED AT SEAMS.
  - PROVIDE 3/8"Ø LEAD DISCS TO COVER COUNTERSUNK SCREWS, TYP.
- 92mm [3-5/8"] STEEL STUDS, 20 ga, SPACED @ 406mm [16"] O.C.
- 89mm [3-1/2"] MINERAL WOOL (ONE SIDE)
- 135mm [5-1/4"] AIR SPACE
- 92mm [3-5/8"] STEEL STUDS, 20 ga, SPACED @ 406mm [16"] O.C.
- 1 LAYER 15.9mm [5/8"] GWB

**P5**



INTERIOR CHASE PARTITION (NON-LOADBEARING)
3/32" LEAD-LINED

- 1 LAYER 15.9mm [5/8"] GWB TO UNDERSIDE OF STRUCTURE
- 1 LAYER 2.4mm [3/32"] THICK LEAD SHIELDING EXTENDING TO 6'-0" AFF.
  - PROVIDE 50mm [2"] WIDE 3/32" THICK SHEET LEAD AT SEAMS B/W LEAD SHEETS, TYP.
  - PROVIDE 3/32" THICK SPACERS AT STUDS OTHER THAN THOSE CENTRED AT SEAMS.
  - PROVIDE 3/8"Ø LEAD DISCS TO COVER COUNTERSUNK SCREWS, TYP.
- 92mm [3-5/8"] STEEL STUDS, 20 ga, SPACED @ 406mm [16"] O.C.
- 89mm [3-1/2"] MINERAL WOOL (ONE SIDE)
- 135mm [5-1/4"] AIR SPACE
- 92mm [3-5/8"] STEEL STUDS, 20 ga, SPACED @ 406mm [16"] O.C.
- 1 LAYER 15.9mm [5/8"] GWB TO UNDERSIDE OF STRUCTURE

**P6**

INTERIOR PARTITION (NON-LOADBEARING)
3/32" LEAD-LINED

- 1 LAYER 15.9mm [5/8"] REGULAR GWB
- 1 LAYER 2.4mm [3/32"] THICK LEAD SHIELDING
  - PROVIDE 50mm [2"] WIDE 3/32" THICK SHEET LEAD AT SEAMS B/W LEAD SHEETS, TYP.
  - PROVIDE 3/32" THICK SPACERS AT STUDS OTHER THAN THOSE CENTRED AT SEAMS.
  - PROVIDE 3/8"Ø LEAD DISCS TO COVER COUNTERSUNK SCREWS, TYP.
- 6" STEEL STUDS, 20 ga, SPACED @ MAX 400mm [16"] O.C.
- MINERAL WOOL
- 1 LAYER 15.9mm [5/8"] REGULAR GWB

**P7**

1-HR FRR INTERIOR PARTITION (NON-LOADBEARING)
1/16" LEAD-LINED

*ULC DESIGN NO. W453*

- 1 LAYER 15.9mm [5/8"] TYPE X GYPSUM BOARD
- 1 LAYER 1.6mm [1/16"] THICK LEAD SHIELDING (CT ROOM SIDE OF STUDS).
  - PROVIDE 50mm [2"] WIDE 1/16" THICK SHEET LEAD AT SEAMS B/W LEAD SHEETS, TYP.
  - PROVIDE 1/16" THICK SPACERS AT STUDS OTHER THAN THOSE CENTRED AT SEAMS.
  - PROVIDE 3/8"Ø LEAD DISCS TO COVER COUNTERSUNK SCREWS, TYP.
- 92mm [3-5/8"] STEEL STUDS, 20 ga, @ 610mm [24"] O.C.
- 89mm [3-1/2"] MINERAL WOOL
- 1 LAYER 15.9mm [5/8"] TYPE X GYPSUM BOARD

**P8**

1-HR FRR INTERIOR PARTITION (NON-LOADBEARING)

*ULC DESIGN NO. W453*

- 1 LAYER 15.9mm [5/8"] TYPE X GWB
- 152mm [6"] STEEL STUDS, 20 ga, SPACED @ 406mm [16"] O.C.
- 89mm [3-1/2"] min. MINERAL WOOL
- 1 LAYER 15.9mm [5/8"] TYPE X GWB

**P9**

1-HR FRR INTERIOR PARTITION (NON-LOADBEARING)
1/32" LEAD-LINED

*ULC DESIGN NO. W453*

- 1 LAYER 15.9mm [5/8"] TYPE X GWB
- 1 LAYER 0.8mm [1/32"] THICK LEAD SHIELDING.
  - PROVIDE 50mm [2"] WIDE 1/32" THICK SHEET LEAD AT SEAMS B/W LEAD SHEETS, TYP.
  - PROVIDE 1/32" THICK SPACERS AT STUDS OTHER THAN THOSE CENTRED AT SEAMS.
  - PROVIDE 3/8"Ø LEAD DISCS TO COVER COUNTERSUNK SCREWS, TYP.
- 152mm [6"] STEEL STUDS, 20 ga, SPACED @ 406mm [16"] O.C.
- 89mm [3-1/2"] min. MINERAL WOOL
- 1 LAYER 15.9mm [5/8"] TYPE X GWB

**P10**

INTERIOR PARTITION (NON-LOADBEARING)
1/16" LEAD-LINED

- 1 LAYER 15.9mm [5/8"] REGULAR GWB
- 1 LAYER 1.6mm [1/16"] THICK LEAD SHIELDING EXTENDING TO 6'-0" AFF.
  - PROVIDE 50mm [2"] WIDE 1/16" THICK SHEET LEAD AT SEAMS B/W LEAD SHEETS, TYP.
  - PROVIDE 1/16" THICK SPACERS AT STUDS OTHER THAN THOSE CENTRED AT SEAMS.
  - PROVIDE 3/8"Ø LEAD DISCS TO COVER COUNTERSUNK SCREWS, TYP.
- 6" STEEL STUDS, 20 ga, SPACED @ MAX 400mm [16"] O.C.
- MINERAL WOOL
- 1 LAYER 15.9mm [5/8"] REGULAR GWB

**F1**



INTERIOR FURRING (NON-LOADBEARING)
1/32" LEAD-LINED

- 1 LAYER 15.9mm [5/8"] REGULAR GWB
- 1 LAYER 0.8mm [1/32"] THICK LEAD SHIELDING.
  - PROVIDE 50mm [2"] WIDE 1/32" THICK SHEET LEAD AT SEAMS B/W LEAD SHEETS, TYP.
  - PROVIDE 1/32" THICK SPACERS AT STUDS OTHER THAN THOSE CENTRED AT SEAMS.
  - PROVIDE 3/8"Ø LEAD DISCS TO COVER COUNTERSUNK SCREWS, TYP.
- 2-1/2" STEEL STUDS, 20 ga, SPACED @ MAX 400mm [16"] O.C.
- 1/2" AIR SPACE

**F2**



INTERIOR FURRING (NON-LOADBEARING)

- 1 LAYER 15.9mm [5/8"] REGULAR GWB
- 2-1/2" STEEL STUDS, 20 ga, SPACED @ MAX 400mm [16"] O.C.
- 1/2" AIR SPACE

**F3**

INTERIOR FURRING (NON-LOADBEARING)
1/32" LEAD-LINED

- 1 LAYER 15.9mm [5/8"] REGULAR GWB
- 1 LAYER 0.8mm [1/32"] THICK LEAD SHIELDING
  - PROVIDE 50mm [2"] WIDE 1/32" THICK SHEET LEAD AT SEAMS B/W LEAD SHEETS, TYP.
  - PROVIDE 1/32" THICK SPACERS AT STUDS OTHER THAN THOSE CENTRED AT SEAMS.
  - PROVIDE 3/8"Ø LEAD DISCS TO COVER COUNTERSUNK SCREWS, TYP.
- 3-5/8" STEEL STUDS, 20 ga, SPACED @ MAX 400mm [16"] O.C.

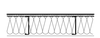
**F4**



INTERIOR FURRING (NON-LOADBEARING)

- 1 LAYER 15.9mm [5/8"] REGULAR GWB
- 7/8" METAL FURRING CHANNELS, 20 ga, SPACED @ MAX 400mm [16"] O.C.

**F5**



INTERIOR FURRING (NON-LOADBEARING)
1/32" LEAD-LINED

- 1 LAYER 15.9mm [5/8"] REGULAR GWB
- 1 LAYER 0.8mm [1/32"] THICK LEAD SHIELDING.
  - PROVIDE 50mm [2"] WIDE 1/32" THICK SHEET LEAD AT SEAMS B/W LEAD SHEETS, TYP.
  - PROVIDE 1/32" THICK SPACERS AT STUDS OTHER THAN THOSE CENTRED AT SEAMS.
  - PROVIDE 3/8"Ø LEAD DISCS TO COVER COUNTERSUNK SCREWS, TYP.
- 3-5/8" STEEL STUDS, 20 ga, SPACED @ MAX 400mm [16"] O.C.
- MINERAL WOOL
- 1/2" AIR SPACE

**F6**

INTERIOR FURRING (NON-LOADBEARING)

- 1 LAYER 15.9mm [5/8"] REGULAR GWB LAMINATED TO EXISTING SUBSTRATE. PREPARE SUBSTRATE AS REQUIRED TO CREATE A SMOOTH AND LEVEL SURFACE FOR GWB.
- EXISTING CONCRETE BLOCK (6" BLOCK MIN., VIF)

**E1**

EXTERIOR WALL CONSTRUCTION

- 4" FACE BRICK
- 2" AIR SPACE
- 3" RIGID INSULATION, VAP. BAR.
- POURED CONCRETE OR CONCRETE BLOCK (SEE PLANS)

NOTES
1. AT FIRE RATED PARTITIONS: EXTEND FROM TOP OF CONCRETE SLAB TO UNDERSIDE OF CONCRETE SLAB, UNLESS NOTED OTHERWISE.
2. AT NON-FIRE RATED PARTITIONS: EXTEND FRAMING FROM TOP OF CONCRETE SLAB TO UNDERSIDE OF STRUCTURE AND EXTEND GYPSUM AND FINISHES TO 4" ABOVE UNDERSIDE OF ACOUSTIC TILE CEILING, UNLESS NOTED OTHERWISE.
3. PROVIDE FIRE STOPPING AND FIRE SEALANT AT ALL PENETRATIONS THROUGH NEW FIRE RATED PARTITIONS AND AT ALL SIDES TO MATCH FIRE RATING INDICATED.
4. REFER TO FINISH SCHEDULES.
5. WHERE NEW PARTITIONS ARE INSTALLED AROUND WASHROOMS, USE MOISTURE RESISTANT GWB.
6. LEAD LINING IN WALLS OF SPECT/CT AND ELECTRICAL ROOM TO BE INSTALLED UP TO 2.1m AFF, ALL OTHER ROOMS 1.8m AFF.
7. REFER TO FLOOR PLANS AND DETAILS FOR ADDITIONAL INFORMATION REGARDING LEAD SHIELDING LOCATIONS AND ORIENTATION.

2 A-003 **ASSEMBLY SCHEDULE**
SCALE: NTS

## FINISH SCHEDULE

| LOCATION | FLOOR | BASE | WALL (NORTH) | WALL (EAST) | WALL (SOUTH) | WALL (WEST) | CEILING | NOTES |
|---|---|---|---|---|---|---|---|---|
| SUITE ENTRY / COLD WAITING | FF-1 | WB-1 | PT-4, WP-1 | PT-4, WP-1 | PT-4, WP-1 | PT-4, WP-1 | ACT-1 | WP-1 ON ALL WALLS |
| BMD | FF-1 | WB-2 | PT-1 | PT-1 | PT-1 | PT-1 | ACT-1 | |
| SUB-WAITING | FF-1 | WB-2 | PT-1 | PT-1 | PT-1 | PT-1 | ACT-1 | |
| PATIENT PREP | FF-1 | WB-2 | PT-1 | PT-1 | PT-1, WP-3 | PT-1 | ACT-1 | REFER TO DRAWINGS FOR LOCATION OF WALL PROTECTION. |
| BF WASHROOM | FF-1 | WB-1 | WP-2 | WP-2 | WP-2 | WP-2 | GWB, PT-3 | WP-2 ON ALL WALLS |
| BF CHANGEROOM | FF-1 | WB-2 | PT-4 | PT-4 | PT-4 | PT-4 | ACT-1 | |
| HOT WAITING | FF-1 | WB-2 | PT-4 | PT-4 | PT-4 | PT-4 | ACT-1 | REFER TO DRAWINGS FOR LOCATION OF WALL PROTECTION AND PT-4 |
| NUCLEAR SUBSTANCES DISPENCING ROOM (NSD) | FF-1 | WB-1 | WP-2 | WP-2 | WP-2 | WP-2 | ACT-1 | WP-2 ON ALL WALLS |
| CONTROL ROOM | FF-1 | WB-2 | PT-4 | PT-4 | PT-4 | PT-4 | ACT-1 | |
| SPECT/CT ROOM | FF-1 | WB-1 | PT-1, WP-1 | PT-1, WP-1 | PT-1, WP-1 | PT-1, WP-1 | ACT-1 | WP-1 ON ALL WALLS |
| ELECTRICAL ROOM | FF-1 | WB-2 | PT-1 | PT-1 | PT-1 | PT-1 | ACT-1 | |
| EXISTING OFFICE | EX | EX | PT-1 | PT-1 | PT-1 | PT-1 | ACT-1 | NEW PAINT AND ACT CEILING |
| EXISTING MEETING ROOM | EX | EX | PT-1 | PT-1 | PT-1 | PT-1 | EX ACT | NEW PAINT ONLY |

## FINISH TYPES

| TYPE | DESCRIPTION |
|---|---|
| CT-1 | COUNTERTOP: CORIAN SOLID SURFACE, COLOUR: ANTARCTICA |
| FF-1 | POLYFLOR PEARLAZZO PUR HOMOGENOUS VINYL SHEET FLOORING, COLOUR: RAIN CLOUD 9718 |
| WB-1 | POLYFLOR PEARLAZZO PUR HOMOGENOUS VINYL SHEET FLOORING, COLOUR: RAIN CLOUD 9718 INTEGRAL COVED WALL BASE TO 6" HEIGHT. |
| WB-2 | POLYFLOR PEARLAZZO PUR HOMOGENOUS VINYL SHEET FLOORING, COLOUR: RAIN CLOUD 9718 INTEGRAL COVED WALL BASE TO 6" HEIGHT WITH CAPPING STRIP, CS-NC, GREY 9540. |
| PL-1 | PLASTIC LAMINATE (MILLWORK EXTERIOR): WILSONART CHEMSURF HPL, COLOUR: GRAPHITE 10657. INT: WILSONART WHITE CABINET LINER, FINISH: MATTE |
| PL-2 | PLASTIC LAMINATE (MILLWORK INTERIOR): WILSONART WHITE CABINET LINER, FINISH: MATTE |
| PT-1 | WALL PAINT (PARTITIONS): PREMIUM-GRADE LATEX-BASED PAINT, EGGSHELL SHEEN, COLOUR: BENJAMIN MOORE #OC-65 'CHANTILLY LACE' |
| PT-2 | METAL PAINT (DOOR FRAME, TRIM, MISC. STEEL): PRIME AND PAINT WITH PREMIUM-GRADE LATEX-BASED PAINT, SEMI-GLOSS SHEEN, BENJAMIN MOORE #OC-28 'COLLINGWOOD' |
| PT-3 | CEILING PAINT (GWB CEILINGS, BULKHEADS): PREMIUM-GRADE LATEX PAINT, FLAT SHEEN, COLOUR: BENJAMIN MOORE #OC-65 'CHANTILLY LACE' |
| PT-4 | WALL PAINT (ACCENT): PREMIUM-GRADE LATEX-BASED PAINT, EGGSHELL SHEEN, COLOUR: BENJAMIN MOORE 'TRANQUILLITY AF-490'. |
| PT-5 | METAL PAINT (DOOR SLAB): PRIME AND PAINT WITH PREMIUM-GRADE LATEX-BASED PAINT, SEMI-GLOSS SHEEN, SHERWIN-WILLIAMS, IRON ORE SW 7069 |
| WP-1 | WALL PROTECTION PANELS (PARTIAL HEIGHT): ALTRO WHITEROCK, COLOUR: 'WHITE'. SOLID COLOUR. PROVIDE TOP AND SIDE EDGE TRIM AS REQUIRED, COLOUR MATCHED TO PANEL. EXTEND TO 1200mm A.F.F. |
| WP-2 | WALL PROTECTION PANELS (FULL HEIGHT): ALTRO WHITEROCK, COLOUR: 'WHITE'. SOLID COLOUR. PROVIDE TOP AND SIDE EDGE TRIM AS REQUIRED, COLOUR MATCHED TO PANEL. |
| WP-3 | WALL PROTECTION PANELS (BACKSPLASH): ALTRO WHITEROCK, COLOUR: 'WHITE'. SOLID COLOUR. PROVIDE TOP AND SIDE EDGE TRIM AS REQUIRED, COLOUR MATCHED TO PANEL. EXTEND TO U/S UPPER CABINETS OR 1425mm A.F.F. |
| ACT-1 | ACOUSTICAL CEILING TILE: ARMSTRONG ULTIMA HEALTH ZONE, SQUARE LAY-IN, 1935, SIZE: 2' x 2' x 3/4"; COLOUR: WHITE; ARMSTRONG PRELUDE XL EXPOSED TEE 15/16" SUSPENSION SYSTEM |
| WF-1 | WINDOW FILM 3M CRYSTAL PRIVACY FILM, 'DUSTED WHITE' 7725SE-314. CONTRACTOR TO PROVIDE SAMPLE RANGE FOR OWNER'S SELECTION. |

FINISH NOTES:
1. PAINT IN ACCORDANCE WITH SCHEDULE AND WHERE INDICATED BY NOTES ON DRAWINGS.
2. DO NOT PAINT DOOR HARDWARE OR THRESHOLDS.
3. ALL ACCESSORIES RECOMMENDED BY MANUFACTURER'S INSTALLATION INSTRUCTIONS TO BE INCLUDED AS PART OF THE WORK.
4. SUBMIT PRODUCT DATA AND MSDS SHEETS FOR REVIEW AND ACCEPTANCE PRIOR TO STARTING WORK. REFER TO SPECIFICATION.
5. SUBMIT SAMPLES AS INDICATED IN SPECIFICATION.
6. PAINT BOTH SIDES OF PROPOSED INTERIOR WALLS WITHIN AREA OF WORK INDICATED.
7. PAINT SERVICES AT EXPOSED CEILINGS AT NEW EQUIPMENT ROOM EXPANSION TO MATCH EXISTING EQUIPMENT ROOM. MATCH EXISTING COLOURS FOR CONSISTENCY FOR EACH TYPE OF SERVICE TO BE PAINTED. REFER TO MECHANICAL AND ELECTRICAL SPECIFICATIONS.

1 A-003 **FINISH SCHEDULE**
SCALE: NTS

| NO. | DATE | ISSUED |
|---|---|---|
| 07 | 2026/02/04 | ISSUED FOR ADDENDUM 2 |
| 06 | 2026/01/06 | ISSUED FOR TENDER |
| 05 | 2025/12/11 | ISSUED FOR 90% CD |
| 04 | 2025/12/09 | ISSUED FOR PERMIT |
| 03 | 2025/10/15 | ISSUED FOR 50% CD |
| 02 | 2025/10/10 | ISSUED FOR CLIENT REVIEW |
| 01 | 2025/06/06 | ISSUED FOR 100% DD |

NOTES

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS SHOWN ON DRAWINGS WITH SITE CONDITIONS, PRIOR TO THE WORK AND NOTIFY THE ARCHITECT OF DIFFERENCES. AWAIT CLARIFICATION BEFORE CONTINUING.

DO NOT SCALE DRAWINGS.

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR IN WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.

THESE DRAWINGS ARE FOR PERMIT PURPOSES ONLY. THEY INDICATE DESIGN INTENT ONLY AND DO NOT FULLY DESCRIBE OR SPECIFY ALL CONDITIONS, MATERIAL OR ASSEMBLIES. REQUEST FURTHER INFORMATION FROM ARCHITECT PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED.

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MECHANICAL AND ELECTRICAL ENGINEERING:
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STRUCTURAL ENGINEERING:
HONEYCOMB
A MEMBER OF BPA
133 Richmond St W, Suite 302, Toronto, ON M5H 2L3

CLIENT:
COLLINGWOOD G&M HOSPITAL

NUCLEAR MEDICINE SPECT/CT SUITE
COLLINGWOOD GENERAL AND MARINE HOSPITAL
459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH

# FINISHES AND ASSEMBLIES SCHEDULES

ENTERED: JM
CHECKED: DC
DATE: 2025/04/23
PROJECT NO. 24-200

DRAWING NO. A003

# CONSTRUCTION NOTES

1. CONTRACTOR TO SITE VERIFY ALL DIMENSIONS. REPORT ANY DISCREPANCIES TO CONSULTANT FOR CLARIFICATION.
2. PRIOR TO CONSTRUCTION WORK: a) REFER TO HAZARDOUS MATERIALS ASSESSMENT REPORTS FOR ALL MATERIALS CONTAINING HAZARDOUS SUBSTANCES, b) REFER TO SPECIFICATION DIVISION 2 FOR RELATED ABATEMENT PROCEDURES AT ALL AREAS OF WORK, c) REFER TO REQUIRED OWNER POLICIES AND PROCEDURES.
3. REFER TO SPECIFICATIONS FOR REQUIREMENTS. PROVIDE ALL REQUIRED SHOP DRAWINGS.
4. ARCHITECTURAL DRAWINGS INDICATE PROPOSED PARTITION LAYOUT, TYPES AND BUILT-IN FEATURES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE PROPER COORDINATION WITH DOORS, DEVICES, MILLWORK, FIXTURES, FINISHES, EQUIPMENT AND FURNITURE.
5. REFER TO LEAD SHIELDING DIAGRAM, ASSEMBLIES SCHEDULE AND SPECIFICATIONS. PROVIDE ALL REQUIRED LEAD SHIELDING.
6. REFER TO AND COORDINATE WITH STRUCTURAL, MECHANICAL AND ELECTRICAL REQUIREMENTS.
7. REFER TO MILLWORK, FIXTURES AND ACCESSORIES SCHEDULE, AND REFER TO MILLWORK DETAILS FOR DETAILED REQUIREMENTS.
8. NEW FLOORING SHALL CONTINUE UNDER NEW MILLWORK, TYPICAL. REFER TO MILLWORK DETAILS.
9. CONTRACTOR TO COORDINATE AND PROVIDE IN-WALL BLOCKING AS REQUIRED TO SUPPORT PROPOSED MILLWORK, FIXTURES AND FITTINGS. REFER TO MILLWORK DETAILS FOR SPECIFIC REQUIREMENTS.
10. WHERE EXISTING SURFACES TO REMAIN ARE DISTURBED BY THE REMOVAL OF EXISTING WORK OR THE INSTALLATION OF NEW WORK, MAKE GOOD ALL SURFACES TO MATCH ADJACENT EXISTING SURFACES. PATCH EXISTING PARTITIONS AND PAINT AS NEEDED. REPAINT EXISTING PAINTED SURFACES COMPLETE TO THE NEAREST CHANGES IN PLANE TO MATCH EXISTING COLOURS AND SHEENS.
11. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR NEW CEILING FIXTURES AND LUMINAIRES.
12. PROVIDE FIRE STOPPING AND SMOKE SEALS AT EXISTING AND NEW SERVICE PENETRATIONS WITHIN THE AREA OF WORK AT VERTICAL FIRE SEPARATIONS INDICATED AND AT 2 HR FRR FLOOR ASSEMBLIES TYPICAL. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SCOPE OF WORK AND PROVIDE REQUIRED FIRE STOPPING AND SMOKE SEALS AT PENETRATIONS THROUGH EXISTING FIRE SEPARATIONS, TYP. INFILL EXISTING ABANDONED CORE HOLES AT CONCRETE SLAB FLOOR WITH CONCRETE TYPICAL AT SERVICES TO BE REMOVED.
13. RELOCATE AND INSTALL OWNERS FIXTURES INDICATED ON DRAWINGS, ELEVATIONS AND MILLWORK, FIXTURES & FITTINGS SCHEDULE, INCLUDING ALL RELATED COMPONENTS AND ATTACHMENTS. REFER TO MECHANICAL AND ELECTRICAL REQUIREMENTS FOR OTHER ITEMS.
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15. CONTRACTOR TO LAYOUT PIPING, DUCTWORK AND OTHER MAJOR ELEMENTS IN CEILING PLENUM SPACE AND COORDINATE FOR ADEQUATE CLEARANCES FOR RECESSED CEILING DEVICES TO MAINTAIN LAYOUT AS INDICATED FOR ADEQUATE CLEARANCES FOR RECESSED CEILING DEVICES TO MAINTAIN LAYOUT AS INDICATED IN THE REFLECTED CEILING PLANS. ADVISE CONSULTANTS OF DISCREPANCIES WITH THE DIMENSIONED PLANS OR CONFLICTS WITH OTHER PARTS OF THE WORK. ADJUST AS REQUIRED BASED ON REVIEW.
16. LOCATE UN-DIMENSIONED SPRINKLER HEADS, SPEAKERS, LIGHT FIXTURES AND OTHER ITEMS IN THE CENTRE OF SUSPENDED ACOUSTIC CEILING TILES UNLESS OTHERWISE NOTED.
17. FINISH AND COLOUR OF ACCESS PANELS, HVAC DIFFUSER/REGISTERS, LIGHT FIXTURES, CEILING TRIM, SPEAKER GRILLES AND OTHER CEILING MOUNTED DEVICES TO MATCH SCHEDULED CEILING COLOUR UNLESS OTHERWISE NOTED.
18. REFER TO MECHANICAL PLUMBING DRAWINGS FOR DRAINAGE TO NEW FIXTURES. CONTRACTOR TO INFILL CONCRETE SLAB-ON-GRADE AS REQUIRED TO ACCOMMODATE THE WORK AND MAKE FLUSH NEW SURFACE READY TO ACCEPT NEW FLOORING.
19. REFER TO OWNER'S EQUIPMENT SUPPLIER DRAWINGS. LEVEL CT ROOM FLOOR TO REQUIRED TOLERANCE.
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22. IT IS RECOMMENDED THAT THE FLOOR OF THE ENTIRE CT SCAN ROOM BE LEVELED AND FLATTENED ACCORDING TO SPECIFICATION; IF THIS IS NOT POSSIBLE, IT IS IMPERATIVE THAT THE SYSTEM INSTALLATION AREA IS LEVELED AND FLATTENED (2369 X 5720 mm).
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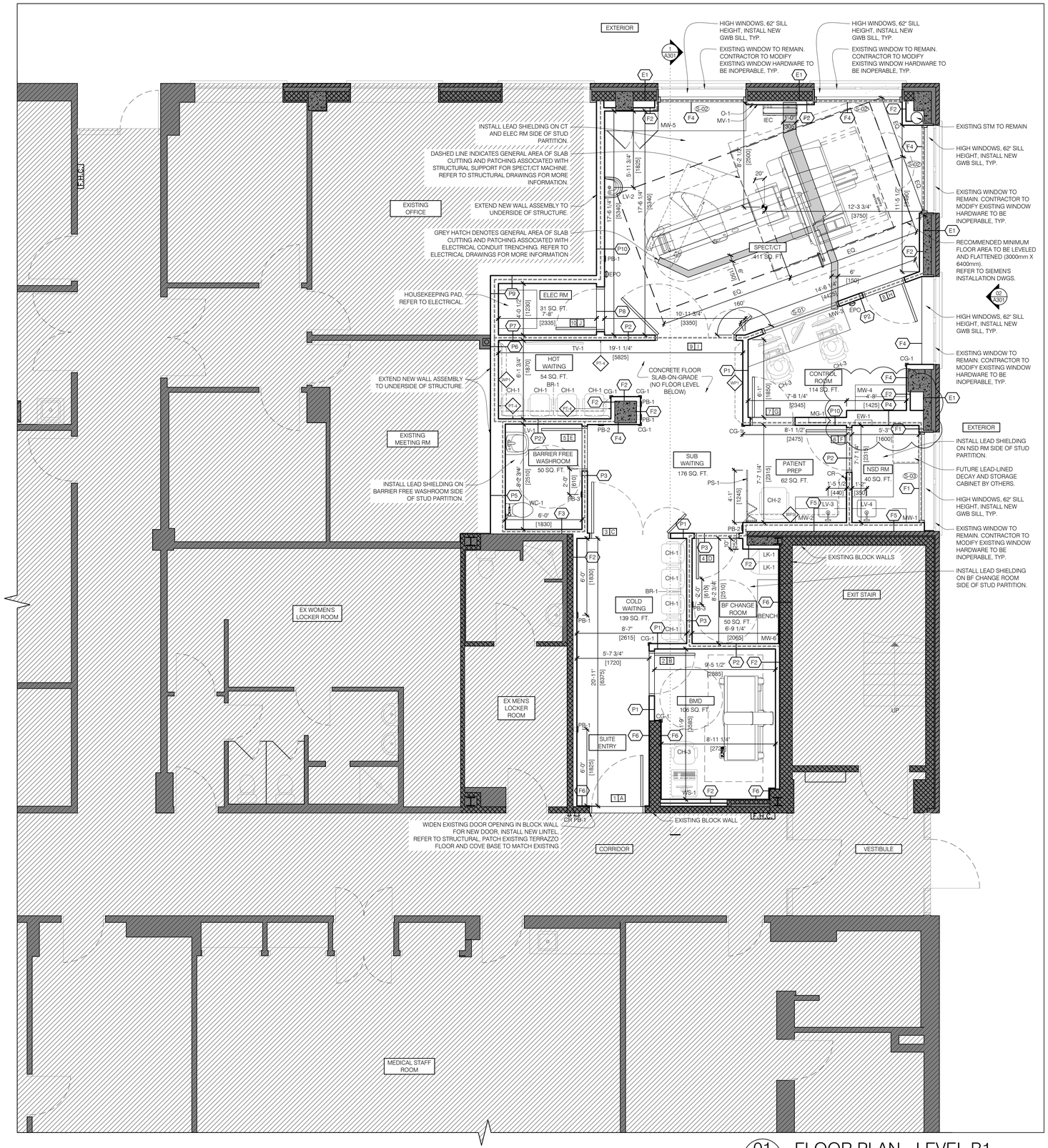
   - FLOOR SURFACE: FLOOR SHOULD HAVE ONE SINGLE POURED SURFACE - NO FILL MATERIAL SHOULD BE USED TO COMPENSATE FOR HOLES OR DEPRESSIONS IN THE FLOOR SURFACE.
   - UPON COMPLETION OF THE INSTALLATION FLOOR AREA, VERIFY THE SURFACE FLATNESS USING A STRAIGHT EDGE OF 1220 mm / 4' IN LENGTH (OR LONGER). ANY MEASUREMENT OUTSIDE OF ACCEPTABLE LIMITS MUST BE LEVELED WITH LEVELING COMPOUND. REFER TO OWNER'S EQUIPMENT VENDOR INSTALLATION DRAWINGS FOR MORE INFORMATION.

LEGEND

- EXISTING AREA OUT OF PROJECT SCOPE
- EXISTING WALLS TO REMAIN
- NEW WALLS
- NEW LEAD SHIELDING PROTECTION AT NEW INTERIOR PARTITIONS, DOORS AND FRAMES. REFER TO NOTES BELOW AND WALL ASSEMBLY SCHEDULE FOR MORE INFORMATION.

NOTES

1. PROVIDE NEW LEAD SHIELDING AT CT ROOM SIDE, TYPICAL.
2. PROVIDE NEW LEAD SHIELDING ADHERED TO GYPSUM BOARDS PANELS ON INSIDE FACE (WITHIN WALL CAVITY). REFER TO SPECIFICATIONS.
3. PROVIDE 50mm [2"] WIDE STRIPS OF SAME THICKNESS AS LEAD SHIELDING REQUIRED AT WALL BETWEEN METAL STUD AND LEAD SHIELDING AT GAPS BETWEEN LEAD PANELS.
4. PROVIDE 3/8" Ø LEAD DISCS OF SAME THICKNESS AS LEAD SHIELDING REQUIRED AT WALL TO COVER COUNTER SUNK SCREW HEADS, TYPICAL.
5. PROVIDE METAL DOORS AND FRAMES WITH LEAD SHIELDING OF SAME THICKNESS AS REQUIRED AT WALL.
6. PROVIDE LEADED GLASS LITE WITH LEAD SHIELDING EQUIVALENT TO LEAD SHIELDING THICKNESS REQUIRED AT WALL.
7. AT WALLS REQUIRING LEAD SHIELDING: PROVIDE LEAD SHIELDING OF SAME THICKNESS AS REQUIRED AT WALL, AT CORNERS; RECESSED FIXTURES; CUTOUTS AND PENETRATIONS.
8. LEAD LINING IN WALLS OF SPECT/CT AND ELECTRICAL ROOM TO BE INSTALLED UP TO 2.1m AFF, ALL OTHER ROOMS 1.8m AFF.
9. PROVIDE LEAD SHIELDING AROUND THE PERIMETER OF THE NEW INTERIOR SCREENS IN THE CT ROOM TO A HEIGHT OF 7'-0" (2.1m) ABOVE FINISHED FLOOR. LEAD THICKNESS TO MATCH THE GLAZING LEAD EQUIVALENCY. LAP SHIELDING A MINIMUNM OF 1" ONTO ADJACENT CONCRETE OR BLOCK, TYPICAL.




01 A201 FLOOR PLAN - LEVEL B1
1/4" = 1'-0"

| NO. | DATE | ISSUED |
|---|---|---|
| 07 | 2026/02/04 | ISSUED FOR ADDENDUM 2 |
| 06 | 2026/01/06 | ISSUED FOR TENDER |
| 05 | 2025/12/11 | ISSUED FOR 90% CD |
| 04 | 2025/12/09 | ISSUED FOR PERMIT |
| 03 | 2025/10/15 | ISSUED FOR 50% CD |
| 02 | 2025/10/10 | ISSUED FOR CLIENT REVIEW |
| 01 | 2025/06/06 | ISSUED FOR 100% DD |

NOTES

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ARCHITECT:
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MECHANICAL AND ELECTRICAL ENGINEERING:
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250 Rowntree Dairy Road Woodbridge, ON L4L 9J7

STRUCTURAL ENGINEERING:
HONEYCOMB
A MEMBER OF BPA
133 Richmond St W, Suite 302, Toronto, ON M5H 2L3

CLIENT:
COLLINGWOOD G&M HOSPITAL

NUCLEAR MEDICINE SPECT/CT SUITE
COLLINGWOOD GENERAL AND MARINE HOSPITAL
459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH

# PROPOSED FLOOR PLAN - LEVEL B1

ENTERED: JM
CHECKED: DC
DATE: 2025/04/23
PROJECT NO. 24-200

DRAWING NO. A201

# CONSTRUCTION NOTES

1. CONTRACTOR TO SITE VERIFY ALL DIMENSIONS. REPORT ANY DISCREPANCIES TO CONSULTANT FOR CLARIFICATION.
2. PRIOR TO CONSTRUCTION WORK: a) REFER TO HAZARDOUS MATERIALS ASSESSMENT REPORTS FOR ALL MATERIALS CONTAINING HAZARDOUS SUBSTANCES, b) REFER TO SPECIFICATION DIVISION 2 FOR RELATED ABATEMENT PROCEDURES AT ALL AREAS OF WORK, c) REFER TO REQUIRED OWNER POLICIES AND PROCEDURES.
3. REFER TO SPECIFICATIONS FOR REQUIREMENTS. PROVIDE ALL REQUIRED SHOP DRAWINGS.
4. ARCHITECTURAL DRAWINGS INDICATE PROPOSED PARTITION LAYOUT, TYPES AND BUILT-IN FEATURES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE PROPER COORDINATION WITH DOORS, DEVICES, MILLWORK, FIXTURES, FINISHES, EQUIPMENT AND FURNITURE.
5. REFER TO LEAD SHIELDING DIAGRAM, ASSEMBLIES SCHEDULE AND SPECIFICATIONS. PROVIDE ALL REQUIRED LEAD SHIELDING.
6. REFER TO AND COORDINATE WITH STRUCTURAL, MECHANICAL AND ELECTRICAL REQUIREMENTS.
7. REFER TO MILLWORK, FIXTURES AND ACCESSORIES SCHEDULE, AND REFER TO MILLWORK DETAILS FOR DETAILED REQUIREMENTS.
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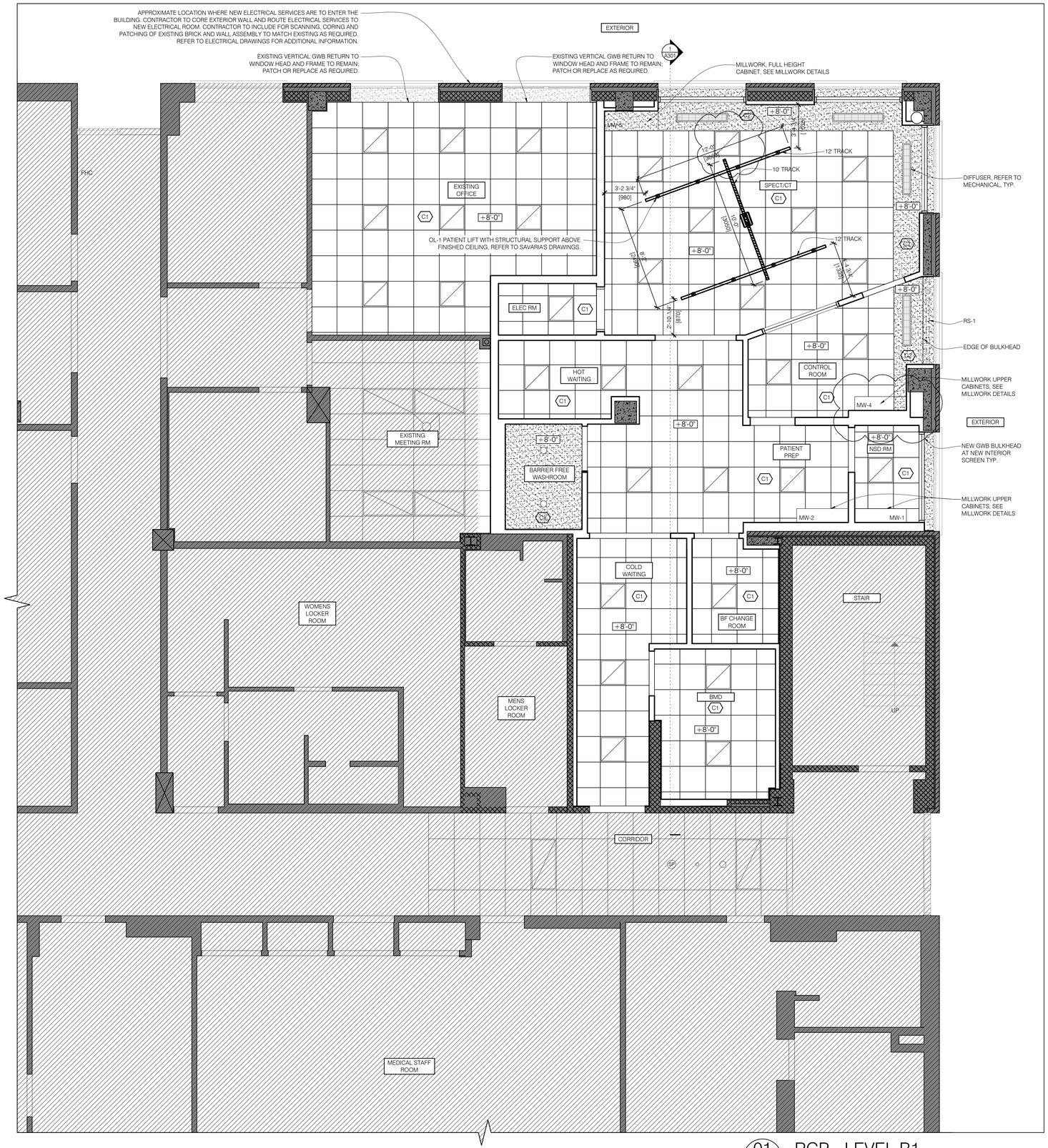
LEGEND

- EXISTING AREA OUT OF PROJECT SCOPE
- EXISTING WALLS TO REMAIN
- NEW WALLS




01 A202 RCP - LEVEL B1
1/4" = 1'-0"

| NO. | DATE | ISSUED |
|---|---|---|
| 07 | 2026/02/04 | ISSUED FOR ADDENDUM 2 |
| 06 | 2026/01/06 | ISSUED FOR TENDER |
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| 02 | 2025/10/10 | ISSUED FOR CLIENT REVIEW |
| 01 | 2025/06/06 | ISSUED FOR 100% DD |

NOTES


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STRUCTURAL ENGINEERING:
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A MEMBER OF BPA
133 Richmond St W, Suite 302, Toronto, ON M5H 2L3

CLIENT:
COLLINGWOOD G&M HOSPITAL


NUCLEAR MEDICINE SPECT/CT SUITE

COLLINGWOOD GENERAL AND MARINE HOSPITAL

459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH

# PROPOSED RCP - LEVEL B1

ENTERED: JM
CHECKED: DC
DATE: 2025/04/23
PROJECT NO. 24-200

DRAWING NO. A202

| | | | |
|---|---|---|---|
| **Project Name:** | CGMH Multiple Space Initiatives | **Date Issued:** | February 4, 2026 |
| **Quasar Project #:** | HC-24-173 | | |

**Distribution**

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**Addendum #:** 2
**Revision #:** 0

This Addendum forms part of the Contract Specifications and Drawings, and modifies the Bidding Documents, with Amendments and Additions noted below. This Addendum shall be added to the front of the specifications as issued. Bidders shall acknowledge receipt of this Addendum in the space provided in the Bid Form and include in bid amount.

**Response to RFI:**

**Q3** On drawing M300, demo note 5 mentions an existing reheat coil to be removed. No 5 shown on the layout. Please issue in an addendum where this reheat coil is located.

**Response:** Refer to changes to Drawings item 4.

**Q4** On drawing M301, new work note 4 mentions to relocate a CAV box (EX-TR2) complete with piping. No piping mains or branches shown

**Response:** Refer to changes to Drawings item 4.

**Q8** "Please provide clarifications to next:

• Section 22-43-00 Healthcare Plumbing Fixtures:

- No Specification for SK-1/SK-2 shown on DWG M203; are these existing?

- Specification for SS-3/SS-4 does not list the Make/Model of the actual Sink, only the Faucet & Trim; are they existing?

- No Specification given for Electronic TP Station; are they existing?"

**Response:** Better aligned tags with architect tags, L-3 & L-4 LAV by others (integrated into millwork). Faucet supply and install + lav drain connection by mechanical contractor. Refer to Section 22 11 00, Article 2 Paragraph 2.8 for trap seal primer specification. Refer to changes to Changes to Specs item 1 and Changes to drawings item 4 and item 5.

**Q10** CAV Box are with hydronic Re- Heat coil or not? If yes, then provide us piping route.

**Response:** Yes CAV with hydronic reheat, Refer to Drawings item 3 and item 4 for additional details.

**Q11** Where to apply scope of work of Detail 1 of M-401 (reduced pressure zone assembly & expansion tank).

**Response:** Refer to changes to Drawings item 7.

**Q12** What is duct material for SPECT/CT room,

**Response:** Galv for supply and return, Stainless Steel for exhaust as indicated by "SS" on drawings.

**Q13** Is SK-1 & SK-2 are same as SS-3 & SS-4?

**Response:** Relabeled to match architectural tags refer to Question Q8 and Refer to changes to Changes to Specs item 1 and Changes to drawings item 4 and item 5.

**Q15** Please provide specifications for the MG-1 Med Gas Panel specified in detail 2/A004.

**Response:** Refer to specification 22 60 00.70 - Gas and Vacuum Systems for Healthcare Facilities and details on Drawing M400.

**Changes to Specs:**

1. Revised specifications 22 43 00.00 - Healthcare Plumbing Fixtures tags refer to attached document.
    a. Summary of changes:
        i. Delete 'IPAC' - Handwash sink - Foot operated
        ii. Add 'IPAC' (LV-2) - Handwash sink - Foot operated
        iii. Delete 'SS-3 / SS-4' - Single Bowl Sink - Stainless Steel - Double Handle Faucet: (built-in sink)
        iv. Add 'LV-3 / LV-4' - Single Bowl Sink - Stainless Steel - Double Handle Faucet: (built-in sink)
        v. Delete Lavatory Type 'LAV-1' (electronic sink)
        vi. Add Lavatory Type 'LV-1' (electronic sink)
2. Added specifications 22 66 00.00 - Chemical Waste Systems for Laboratory Facilities refer to attached document.

**Changes to Drawings:**

1. **Drawing M-200 – MECHANICAL BELOW GRADE PLUMBING PLAN -DEMOLITION**

    - Added general notes.

    - Added underground sanitary demolition scope.

    - Added electrical conduit path reference note.

2. **Drawing M-201 – MECHANICAL PLUMBING PLAN - DEMOLITION**

    - Added general notes.

    - Revised demolition scope of hydronic piping as shown on drawing.

    - Added existing Hydronic piping network to drawings.

    - Updated existing DCW and DHW lines arrangement as shown on drawing.

3. **Drawing M-202 – MECHANICAL BELOW GRADE PLUMBING PLAN -NEW WORK**

    - Added general notes.

- Added underground sanitary new work scope and underground sanitary specification to SAN (CR) chemical resistant, sizes adjusted as shown on drawings.

- Moved FFD from Electrical room to NSD room.

- Added underground sanitary scope of work.

- Revised WC-1 drain connection point for BF washroom.

- Added FD to BF washroom.

- Relabeled all LAVs to follow architectural tags.

- Added new wet vent notes and adjusted EW-1 sanitary arrangement.

- Added existing Hydronic piping network to drawings, updated site layout for relevant plumbing lines and associated connection points.

- Added additional demolition scope to existing hydronic piping and connection points for new (CAV) hydronic reheat coils.

- Relabeled all LAVs to follow architectural tags, added clarification notes on scope of work for LV-1 / LV-2 / LV-3 / LV-4.

**4. Drawing M-203 – MECHANICAL PLUMBING PLAN - NEW WORK**

- Added general notes.

- Revised all new work notes.

- Removed requirement to connect fixture P-Traps to trap seal primer.

- Moved FFD, TSP, and Back flow preventors from Electrical room to NSD room.

- Added notes relating to chair lift structural coordination.

- Relabeled all LAVs to follow architectural tags, added clarification notes on scope of work for LV-3 / LV-4.

- Added existing Hydronic piping network to drawings, updated site layout for relevant plumbing lines and associated connection points.

- Added section A-A of NSD room north wall where eyewash and back flow preventers as shown on drawing.

- Moved Trap seal primer location.

- Revised medical gas route.

**5. Drawing M-300 – MECHANICAL HVAC & FIRE PROTECTION PLAN -DEMOLITION**

- Revised drawing notes instructions relating to controls and room tags.

- Added tag 5 to drawing.

- Added relocated “R” tag to EX-TR2.

**6. Drawing M-301 – MECHANICAL HVAC & FIRE PROTECTION - NEW WORK**

- Added general notes.

- Added fire protection general notes.

- Added notes relating to chair lift structural coordination.

- Added firestop note.
- Revised Control room ductwork arrangement as shown on drawing.
- Revised nsd ductwork arrangement as shown on drawing.
- Removed supply and return grilles from window bulkhead in control room and added to NSD room.
- Added not specific to NSD room window bulkhead airflow values.
- Revised exhaust duct material for window bulkhead in NSD room.
- Adjusted thermostat location for Spect CT room.
- Added fire extinguisher cabinet.
- Added additional drawing notes related to CU unit frame seismic requirement and exterior louvre.
- Added relocated "R" tag to EX-TR2.

**7. Drawing M-401 – MECHANICAL DETAILS 2 OF 2**

- Revised REDUCED PRESSURE ZONE ASSEMBLY DETAIL, removed expansion tank and revised drain arrangement as shown
- Revised HAND HYGIENE SINK (IPAC) INSTALL DETAIL, removed trap seal primer notes
- Added BACKFLOW PREVENTER CABINET DETAIL

**Quasar Consulting Group**

Michael Martins, P.Eng.
Mechanical Engineer

# PART 1 - GENERAL

## 1.1 SECTION INCLUDES

.1 Plumbing fixtures and related components.

## 1.2 SUBMITTALS

.1 Submit product data sheets (fixture cuts) for all plumbing fixtures and fittings, including accessories.

.2 Product Data: Include selected fixture and trim, fittings, accessories, appliances, appurtenances, equipment, and supports and indicate materials and finishes, dimensions, construction details, and flow-control rates for each type of fixture indicated.

.3 Wiring Diagrams: Power, signal, and control wiring.

.4 Submit fixture manufacturer’s standard colour charts for all fixtures where colours are available but a particular colour is not specified.

## 1.3 CLOSEOUT SUBMITTALS

.1 Operation and maintenance data.

# PART 2 - PRODUCTS

## 2.1 GENERAL RE: PLUMBING FIXTURES AND FITTINGS

.1 Fixtures and fittings, where applicable, are to be in accordance with requirements of CAN/CSA-B45 Series, General Requirements for Plumbing Fixtures, including supplements, ASME A112.1.18.1/CSA B125.1, Plumbing Supply Fittings, and CAN/CSA-B125.3, Plumbing Fittings.

.2 Barrier-free fixtures and fittings are to be in accordance with governing Code requirements.

.3 Unless otherwise specified, vitreous china, porcelain enamelled, and acrylic finished fixtures are to be white.

.4 Unless otherwise specified, toilet seats are to be constructed with an anti-microbial compound to inhibit growth of bacteria on seat surface.

.5 Unless otherwise specified, fittings and piping exposed to view are to be brass, chrome plated and polished.

.6 Fittings located in areas other than private washrooms are to be vandal-resistant.

.7 Fixture carriers are to be suitable in all respects for the fixture they support and construction in which they are located.

.8 Floor flanges for floor mounted water closets are to be cast iron or brass, secured to floor to prevent movement and complete with a wax seal and brass or stainless steel bolts, nuts, and washers. Plastic floor flanges will not be acceptable.

.9 Proper seal to mate with fixture carrier flange and produce a water-tight installation.

.10 Exposed traps for fixtures not equipped with integral traps, such as lavatories, are to be adjustable chrome plated cast brass "P" traps with cleanouts, minimum #17 gauge chrome plated tubular extensions, and chrome plated escutcheons, all to suit fixture type and drain connection.

.11 Concealed traps for fixtures not equipped with integral traps, such as counter sinks, are to adjustable cast brass with cleanout plugs, all to suit fixture type and drain connection.

.12 Exposed supplies for fixtures which do not have supply trim/fittings with integral stops, i.e. lavatories, are to be solid chrome plated brass angle vales with screwdriver stops for public areas,

wheel handle stops for private areas, flexible stainless steel risers, and stainless steel or chrome plated steel escutcheons, all arranged and sized to suit fixture.

.13 Water piping as specified, complete with ball type shut-off valves as specified with water piping or Dahl Bros. Canada Ltd. ¼ turn Mini Ball Valves.

## 2.2 PLUMBING FIXTURES AND FITTINGS

.1 Plumbing fixtures and fittings are to be in accordance with following:

.1 'IPAC' (LV-2) - Handwash sink - Foot operated

.1 American Standard ICU Basin #9118.111, vitreous china with EverClean antimicrobial surface which inhibits the growth of stain and odor causing bacteria mold and mildew, sealed overflow, 65 mm (2-9/16") dia. Faucet perch, back of sink 93 mm (3-11/16") higher than faucet perch, offset grid drain included, integrated mounting brackets, p-trap with Saniguard coating provided, shroud.

.2 Supply Fitting - Zurn Z821B0-XL-FC2.0 - Polished Chrome-plated brass rigid 137mm [5-3/8”]centerline deck-mounted gooseneck spout. Unit is furnished with a 7.6LPM [2GPM] Plain end spout with control, mounting hardware and 1/2” NPSM coupling for standard lavatory riser. Note: Contractor to remove swivel spacers to not allow spout to swivel.

.3 Foot Pedal- Zurn Z85500-XL-VC-WM (Self closing double pedal valve). Polished Chrome-plated brass wall mounted, self-closing double pedal mixing valve. Two 1/2" NPT angle stop inlets on 2-1/2” [64mm] centers and one 1/2" NPT male outlet volume control. Assembly to be lead free, pedals with indicators for hot and cold. ASME A112.18.1/CSA B125.1,

.4 BrassCraft #R19X C, chrome plated polished brass faucet supplies.Multi-Turn Angel Stop, 1/2" Nom. Sweat x 3/8"OD Compression.

.5 Watts #CA-311 Carrier, mounted on concrete floor, universal steel hangar support plates with integral mounting brackets, heavy gauge epoxy coated steel offset uprights with welded feet, plated hardware.

.2 EW-1 Eye/Face Wash

.1 Model 7656WCC barrier-free eye/face wash shall include an AXION® MSR eye/face wash head shall feature inverted directional laminar flow which achieves Zero Vertical Velocity™ supplied by an integral 4.2 gpm flow control, a fully recessed wall mounted 18 Gauge, Type 304 stainless steel deep-drawn cabinet with smooth electro-polished nish, wheelchair accessibility, and polished chrome-plated brass pull-down valve with easy access in-line strainer. Unit shall also include brass pipe and ttings, a drain pan, a front-access maintenance panel, universal sign, 1/2″ NPT(M) inlet and 2″ NPT(F) drain. Operating pressure is 30 – 90 psi (2.1 – 6.2 bar).

.2 McGuire #8872C, P-Trap, 32 mm (1-1/4") size, shallow wall flange and seamless tubular wall bend.

.3 Haws Model 9201EW Axion Thermostatic Mixing Valve: Emergency tempering valve, flow rate of 10 gpm (38.8 L).

.4 18 Gauge Type 304 Stainless Steel recessed cabinet is a deep-drawn heavy duty structure with smooth electro-polished nish to provide a durable, long lasting product.

.3 Water Closet Wall Mounted 'WC-1'

.1 Bowl: Vitreous china, wall hung, syphon jet action, elongated bowl, mounted so that top of seat is 400 mm ± 25 mm (16 in ± 1 in) above finished floor level.

.1 Standard of Acceptance: -American Standard "AFWALL" #3351.101

.2 Seat: Open front seatless cover, white in colour, elongated, self-sustaining hinge, heavy duty plastic.

.1 Standard of Acceptance: -Centoco 500CC

.3 Flushometer: with integral stop valve, vacuum breaker, dual filter, and seat bumper.

.1 Standard of Acceptance: -Sloan Royal Flush 1.28.YO

.4 Carrier:

.1 Standard of Acceptance: -JR Smith Series 0210/0410-Y-M51-95

.4 'LV-3 / LV-4' - Single Bowl Sink - Stainless Steel - Double Handle Faucet: (built-in sink)

.1 Chicago Faucets #786-GN2FC-XK Faucet, C.P. 203 mm (8") C.C., below deck mounted, cast brass lead-free body, 1/4 turn ceramic disc valve cartridges, 248 mm (9-3/4") high, 133 mm (5-1/4") reach rigid / swing gooseneck spout with integral 6.0 LPM (1.6 GPM) flow laminar (non-aerating) outlet, plain spout end and red and blue indexed cast brass 102 mm (4") blade handles.

.2 McGuire #H165LKN3 Supplies, C.P., polished brass, rigid horizontal nipples 9.5 mm (3/8") x 75 mm (3") long I.P.S., heavy all brass angle stops with V.P. loose key, escutcheons, and flexible copper risers.

.3 McGuire #8912CB, 'P' Trap, C.P. polished cast brass adjustable body, 38 mm (1-1/2") with cleanout plug, seamless brass wall bend and escutcheon.

.5 Lavatory Type 'LV-1' (electronic sink)

.1 Basin - Wall Hung - Vitreous China – Hard-Wired Electronic 'No-Touch' Faucet - Recessed Box - Barrier-Free Design and General Use:

.1 American Standard #0955.901EC 'Murro' Basin with Sealed Overflow, center hole, 540 mm x 559 mm x 127-191 mm (21-1/4"x 22" x 5- 7-1/2") deep, wall hung, vitreous china, integral back splash, self-draining deck area, sloped front lip, for concealed arm carrier and pedestal support plate. American Standard #0059.020EC Semi-China Pedestal, Everclean Anti-Microbial Finish, to cover exposed piping as per local codes.

.2 Sloan #ETF-700-S/ETF687-LT-BDT-VPB 'Optima' Electronic 'No Touch' Faucet, C.P. single hole C.C., solid cast brass surgical bend spout with integral proximity sensor, with 5.7 LPM (1.5 GPM) flow laminar (non-aerating) outlet, control module, solenoid, strainer, circuitry, tempered water supplied by Lawler #570-86821 thermostatic mixing valve with back checks and McGuire #ST18 Supplies C.P. all brass ball valve stops, housed in 305mm (12") sq. recessed metal box with 330 mm (13") sq. V.P., S.S. face, located under basin.

.3 Sloan #EL-154 Transformer to match requirements for faucet, 120/24 VAC 50 VA.

.4 McGuire #155A-LO Basin Drain, C.P., cast brass 1 pc. top, open grid less overflow holes and 1.5 mm (17ga.), 32 mm (1-1/4") tailpiece.

.5 Provide Flexible Copper Supply, with escutcheon (connecting mixing valve to faucet).

.6 McGuire #8872C 'p' Trap, C.P., polished, cast brass adjustable body, 32 mm (1-1/4") with cleanout plug, seamless brass wall bend and escutcheon.

.7 Watts #TCA-411-HD Floor Mounted Concealed Arm 'Track' Lavatory Carrier, epoxy coated, heavy duty gauge steel offset uprights with welded feet, steel cross plate with integral mounting brackets, sliding adjustable arm brackets, and

adjustable cast iron concealed arms with mounting clips, levelling clips, levelling screws, and basin locking device.

## 2.3 MANUFACTURERS

.1 Subject to compliance with requirements, manufacturers that may be incorporated into the Work include, but are not limited to, following:

.1 Flush Valves:

.1 Sloan;

.2 Delta Commercial;

.3 Zurn Industries.

.2 Plumbing Brass:

.1 Sloan;

.2 Acorn Engineering;

.3 American Standard;

.4 Delta Commercial;

.5 Chicago Faucet.

.3 Stainless Steel Sinks:

.1 Franke Commercial;

.2 Novanni Commercial;

.3 Aristaline;

.4 Arch Metal Ind.

.4 Mop Sinks:

.1 Stern Williams;

.2 Acorn Engineering;

.3 Zurn Industries.

.5 Emergency Eye Wash and Emergency Showers:

.1 Haws;

.2 Speakman;

.3 Guardian;

.4 Bradley.

.6 Bariatric Water Closets:

.1 Jay R. Smith;

.2 Acorn Engineering;

.3 Zurn Industries.

.7 Drain Fittings, Angle Supplies, and Traps:

.1 McGuire;

.2 American Standard;

.3 Delta Commercial;

.4 Zurn Industries.

.8 Fixture Carriers:

.1 Watts Industries;

.2 Jay R. Smith;

.3 Zurn Industries.

.9 Surgeon Scrub Sinks:

.1 Franke Commercial;

.2 Acorn Engineering.

.10 Hose Bibbs:

.1 Jay R. Smith;

.2 Zurn Industries.

.11 Water Closets, Lavatories, and Urinal:

.1 American Standard;

.2 Zurn Industries;

.3 Kohler.

.12 Thermostatic Mixing Valves:

.1 Lawler;

.2 Delta Commercial;

.3 Leonard.

.13 Shower and Associated Trim:

.1 American Standard;

.2 Delta Commercial;

.3 Zurn Industries.

.14 Toilet Seats:

.1 Olsonite;

.2 Centoco;

.3 Bemis Commercial.

.15 Electronic “No Touch” Flush Valves:

.1 Sloan;

.2 Delta Commerical;

.3 Zurn Industries.

.16 Electronic “No Touch” Faucets:

.1 Sloan;

.2 Delta Commercial;

.3 Zurn Industries.

### 2.4 CAULKING

.1 General Electric Series SCS-1200 Silicone Construction Sealant or Dow Corning 780 silicone rubber sealant with primers as recommended by sealant manufacturer. Caulking colour(s) for coloured fixtures other than white, if any, will be selected by Consultant from sealant manufacturer's standard colour range.

.2 Caulking in Mental Health areas shall be pick proof.

## PART 3 - EXECUTION

### 3.1 DEMOLITION

.1 Refer to demolition requirements specified in Section 20 05 05 – Selective Demolition for Mechanical.

### 3.2 INSTALLATION OF PLUMBING FIXTURES AND FITTINGS

.1 Provide required plumbing fixtures and fittings.

.2 Where new fixtures and fittings are to be connected to existing piping, include for required piping revisions.

.3 Connect plumbing fixtures and fittings with piping sized in accordance with drawing schedule. Refer to manufacturer's published connection (rough-in) requirements. Where manufacturer requires piping connection larger than shown below, provide piping accordingly:

| Fixture and/or Fitting | Drain Size mm (in) | Vent Size mm (in) | DHW size mm (in) | DCW size mm (in) | Temp Water Size mm (in) |
|---|---|---|---|---|---|
| Water Closets Flush Valve Type | 100 (4) | 38 (1-½) | - | 25 (1) | - |
| Urinals | 75 (3) | 38 (1-½) | - | 25 (1) | - |
| Lavatories | 32 (1-¼) | 32 (1-¼) | 12 (½) | 12 (½) | - |
| Lavatories (Electronic Faucet) | 32 (1-¼) | 32 (1-¼) | 12 (½) | 12 (½) | 12 (½) |
| Counter Sinks | 38 (1-½) | 32 (1-¼) | 12 (½) | 12 (½) | - |
| Shower Valves and Heads | - | - | 12 (½) | 12 (½) | 12 (½) |
| Shower Stalls | 50 (2) | 38 (1-½) | 12 (½) | 12 (½) | 12 (½) |
| Prefab. Mop Sinks with Drain | 75 (3) | 38 (1-½) | 20 (¾) | 20 (¾) | - |
| Surgeon Scrub Sinks | 38 (1-½) | 32 (1-¼) | 20 (¾) | 20 (¾) | - |
| Emergency Eye Wash | - | - | - | - | 12 (½) |
| Emergency Showers | - | - | - | - | 25 (1) |

| Fixture and/or Fitting | Drain Size mm (in) | Vent Size mm (in) | DHW size mm (in) | DCW size mm (in) | Temp Water Size mm (in) |
|---|---|---|---|---|---|
| Clinic Service Sinks | 100 (4) | 38 (1-½) | 12 (½) | 1 @ 25 (1)<br>1@ 12 (½) | - |

.4 Confirm exact location of plumbing fixtures and trim prior to roughing-in. Refer to architectural plan and elevation drawings.

.5 When installation is complete, check and test operation of each fixture and fitting. Adjust or repair as required.

.6 For barrier-free fixtures, comply with mounting height and other requirements of governing Code(s).

.7 For barrier-free water closets utilizing manual flush controls, controls to be installed so that it is operable from the transfer side of the fixture.

.8 Supply templates for counter mounted fixtures and trim and hand to trades who will cut the counter. Ensure openings in counter are properly located.

.9 Locate control panels for electronic faucets under lavatories and recessed into wall. Coordinate panel installations with electrical trade who will provide 115 volt power wiring to panels. Install flexible conduit (supplied with box) and extend cord from faucet through the flexible conduit to control box. Connect hot and cold water piping to mixing valve in each box, and tempered water piping from each mixing valve to faucet. Set mixing valve maximum temperature limit stops to 43°C (110°F) after domestic water systems (hot and cold) are complete. Ensure each programmable controller is properly programmed and water off after deactivation is set for 3 seconds.

.10 For electronic flush valves, locate transformer in ceiling space above electronic units to be served. Coordinate locations with electrical trade who will provide 120 volt line supply to transformers. Provide low voltage wiring from transformers to each electronic flush valve terminal point. Electrical line supply and low voltage wiring is to be concealed and access to transformer must be provided for servicing.

.11 Protect baths from damage during construction and finishing work. Unless otherwise specified, pack concealed voids under baths with batt type glass fibre insulation as baths are installed.

.12 Protect shower bases from damage during construction and finishing work.

.13 Confirm exact mixing valve and shower head locations prior to roughing-in.

.14 Install refrigerated drinking fountains in accordance with manufacturer’s instructions. Plug into a wall receptacle provided as part of electrical work. Coordinate receptacle installation with electrical trade on site.

.15 For emergency showers, install so bottom of shower head is approximately 2 m (82") above floor, and approximately 400 mm (16") out from wall. Wall mount mixing valve approximately 1.5 m (5') above floor and adjacent shower head. Set valve temperature limit stop to 35°C (95°F). Ensure valve is open, and exposed piping is chrome plated or stainless steel.

.16 Install eye wash fixtures in accordance with manufacturer’s instructions. Ensure exposed piping is painted.

.17 Wall mount mixing valves for emergency fixtures approximately 1.5 m (5') above floor and secure in place. Check and confirm valve operation and temperature of tempered water supply. Provide cabinets where shown. Identify each cabinet and hand 3 identified cabinet keys to Consultant prior to Substantial Performance of the Work.

.18 Set mop service basins on floor over drain piping and connect to roughed-in service. Install wall supply trim and any accessories specified.

## 3.3 CAULKING AT PLUMBING FIXTURES AND FITTINGS

.1 Caulk around plumbing fixtures and fittings where they contact walls, floors, and any other building surface.

.2 Clean areas/surfaces to be caulked and prime in accordance with sealant manufacturer's instructions. Where damage to a building surface may occur, mask surface to prevent damage and ensure a clean exact edge to caulking bead.

.3 Apply caulking using a gun with proper size and shape of nozzle and force sealant into joints to ensure good surface contact and a smooth and even finished bead of sealant.

.4 If joints have been masked sealant may be tooled in a continuous stroke to obtain complete void filling. Remove masking tape immediately after tooling and before sealant begins to skin.

## END OF SECTION

# PART 1 - GENERAL

## 1.1 SUBMITTALS

.1 Submit shop drawings/product data sheets for all products specified in this section.

## 1.2 CLOSEOUT SUBMITTALS

.1 Submit a start-up and installation certification letter from supplier of acid neutralizer sump as specified in Part 3 of this section.

.2 Training attendance records.

## 1.3 MAINTENANCE MATERIAL SUBMITTALS

.1 Supply a spare charge of limestone for acid neutralizing sump, as specified in Part 3 of this section.

# PART 2 - PRODUCTS

## 2.1 PIPE, FITTINGS, AND JOINTS

.1 Flame retardant polypropylene pipe and fittings to CSA B181.3, ASTM F1412, Schedule 40 or Schedule 80 as required, complete with fused joints made with an electric resistance wire coil coupling assembly and an electric control unit supplied by the pipe supplier.

.1 Manufacturers:

.1 Ipex Inc. “ENFIELD” (Smillie McAdams Summerlin Ltd.);

.2 Orion "RIONFUSE CF" (Watts Industries (Canada) Inc.);

.3 Georg Fischer LLC "FUSEAL PP".

.2 Joints:

.1 Above ground joints for chemical lab waste polypropylene piping shall be electrofusion as per the pipe manufacturer’s recommendations. Optional mechanical joints permitted as per pipe manufacturer’s recommendations.

.2 Below ground (buried) joints for chemical lab waste polypropylene piping shall be electrofusion as per the pipe manufacturer’s recommendations. Mechanical joints shall not be permitted below ground.

.2 Plastic material shall be polyvinylidene fluoride (PVDF). The pipe and fittings shall be Schedule 40 PVDF manufactured in accordance with CSA B181.3 and ASTM F1673. All joints shall be made using fusion methods or approved proprietary mechanical joints. The system shall be listed to CAN/ULC-S102.2 with a flame spread rating not more than 25 and a smoke developed classification not more than 50, and it shall also be listed to CSA B181.3. Pipe supports: manufacturer recommended pipe clips, allowing thermal axial movement of pipe.

.1 Manufacturers:

.1 IPEX Plenumline PVDF

.2 Georg Fischer Fuseal 25/50

## 2.2 CLEANOUTS

.1 For horizontal piping, glass or polypropylene (to suit pipe) TY pipe fitting with removable, air-tight cleanout access cover.

.2 For vertical piping, glass or polypropylene (to suit pipe) "Barrett" type cleanout tee fitting with removable, air-tight access cover.

### 2.3 FLOOR CLEANOUT TERMINATIONS

.1 In finished areas, equal to Zurn #Z9A-CO1 adjustable floor cleanout with a polypropylene body, water and gastight tapered thread plug, and round, scoriated, heavy-duty stainless steel cover with vandal-proof screws and "AWCO" (Acid Waste Cleanout) cast into cover.

.2 In unfinished areas, equal to Zurn #ZXN-1612-SP heavy-duty floor access housing with baked epoxy coated "Dura-Coat" cast iron frame and scoriated cover, and adjusting screws.

### 2.4 FLOOR DRAINS

.1 Heavy-duty acid-resistant drains as per drawing schedule, each complete with a polypropylene body, clamp and strainer, an adjustable type 316 stainless steel head, polypropylene combination invertible membrane clamp, and a trap primer connection.

## PART 3 - EXECUTION

### 3.1 PIPING INSTALLATION REQUIREMENTS

.1 Provide required acid and corrosive resistant drainage and vent piping.

.2 Piping is to be polypropylene.

.3 Piping is to be polyvinylidene fluoride.

.4 Piping located inside ceiling air plenums is to be polyvinylidene fluoride (PVDF) with a Flame Spread Rating not more than 25 and Smoke Developed Classification not more than 50. Polypropylene is not permitted inside ceiling air plenums

.5 Unless otherwise specified, slope horizontal drainage piping above ground in sizes to and including 75 mm (3") diameter 25 mm (1") in 1.2 m (4'), and pipe 100 mm (4") diameter and larger 25 mm (1") in 2.4 m (8').

.6 Install and slope underground drainage piping to inverts or slopes indicated on drawings to facilitate straight and true gradients between points shown. Verify available slopes before installing pipes.

.7 Unless otherwise specified, slope horizontal branches of vent piping down to fixture or pipe to which they connect with a minimum pitch of 25 mm (1") in 1.2 m (4').

.8 Ensure piping is installed in accordance with manufacturer’s instructions, particularly with respect to piping joints, and piping hangers and supports.

### 3.2 INSTALLATION OF CLEANOUTS

.1 Provide cleanouts in acid and corrosive resistant drainage piping in locations as follows:

  .1 at or as close as practical to the foot of each stack;

  .2 at maximum 15 m (50') intervals in horizontal pipe larger than 100 mm (4") dia.;

  .3 at maximum 30 m (110') intervals in horizontal pipe larger than 100 mm (4") dia.;

  .4 wherever else shown on drawings.

.2 Cleanouts are to be same diameter as pipe in piping to 100 mm (4") dia. and not less than 100 mm (4") dia. in piping larger than 100 mm (4") dia.

.3 Where cleanouts are concealed behind walls or partitions, install cleanouts near floor and so cover is within 25 mm (1") of finished face of the wall or partition.

## 3.3 INSTALLATION OF FLOOR CLEANOUT TERMINATIONS

.1 Where cleanouts occur in horizontal inaccessible underground acid-resistant piping, extend cleanout TY fitting up to floor, and provide a cleanout termination set flush with the finished floor.

.2 In waterproof floors, ensure that each cleanout termination is equipped with a flashing clamp device. Cleanout terminations are to suit the floor finish.

.3 Where cleanout terminations occur in finished areas, confirm locations prior to rough-in and arrange piping to suit.

## 3.4 INSTALLATION OF FLOOR DRAINS

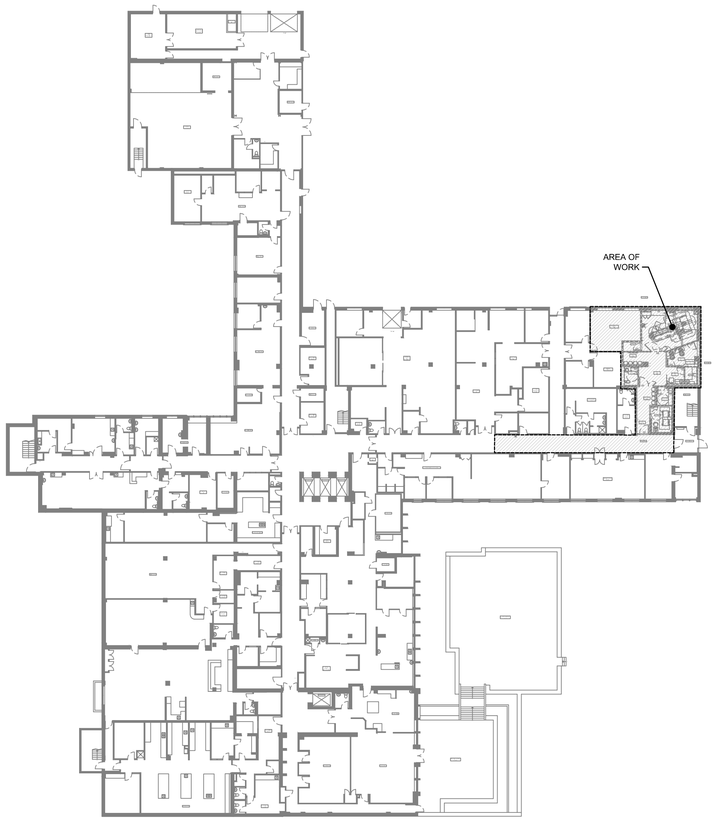
.1 Provide acid-resistant floor drains.

.2 Equip each drain with an acid-resistant trap, and ensure each drain is connected with trap seal primer tubing.

.3 Confirm locations prior to roughing-in.

.4 Temporarily plug and cover floor drains during construction procedures. Remove plugs and covers during final clean-up work and when requested, demonstrate free and clear operation of each drain.

**END OF SECTION**




1 M001 KEY PLAN
SCALE: 1/32" = 1'-0"

## MECHANICAL DRAWING LIST

| Sheet Number | Sheet Title |
|---|---|
| M001 | KEY PLAN LENGENDS AND NOTES |
| M200 | MECHANICAL BELOW GRADE PLUMBING PLAN - DEMOLITION |
| M201 | MECHANICAL PLUMBING PLAN - DEMOLITION |
| M202 | MECHANICAL BELOW GRADE PLUMBING PLAN - NEW WORK |
| M203 | MECHANICAL PLUMBING PLAN - NEW WORK |
| M300 | MECHANICAL HVAC & FIRE PROTECTION PLAN - DEMOLITION |
| M301 | MECHANICAL HVAC & FIRE PROTECTION - NEW WORK |
| M400 | MECHANICAL DETAILS I |
| M401 | MECHANICAL DETAILS II |
| M500 | MECHANICAL SCHEDULES |

## NOTES

1. READ AND INTERPRET ALL MECHANICAL DRAWINGS IN CONJUNCTION WITH SIEMENS INSTALLATION DRAWINGS AND PPG DOCUMENT. NOTE ANY DISCREPANCIES TO CONSULTANTS PRIOR TO CONDUCTING WORK.
2. COORDINATE ALL MECHANICAL WORK WITH OTHER TRADES.

## MECHANICAL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | GENERAL |
| | EXISTING TO REMAIN |
| | EXISTING TO BE DEMOLISHED |
| R | EXISTING TO BE REMOVED FOR RELOCATION |
| R | EXISTING RELOCATED IN NEW WORK |
| | NEW WORK |
| CTE | CONNECT TO EXISTING |
| | AIRFLOW / PIPE FLOW DIRECTION |
| DN | PIPE TURNING DOWN |
| | PIPE TURNING UP |
| | PRESSURE REDUCING VALVE |
| T | ROOM THERMOSTAT |
| H | ROOM HUMIDISTAT |
| | PUMP |
| | AUTOMATIC CONTROL VALVE - TWO WAY |
| | AUTOMATIC CONTROL VALVE - THREE WAY |
| | ISOLATION VALVE |
| | BALANCING VALVE |
| R | CHECK VALVE |
| | STRAINER - OVER 50MM WITH VALVED FLUSHING DRAIN |
| | PIPE BRANCH OFF TOP |
| | PIPE BRANCH OFF BOTTOM |
| | RELIEF VALVE (PIPE TO DRAIN) |
| | VACUUM BREAKER VALVE |
| | VENTURI VALVE |
| | PRESSURE GAUGE |
| | TEMPERATURE GAUGE |
| | STAINLESS STEEL BRAIDED FLEXIBLE HOSES |
| CAP | CAP |
| | SOLENOID VALVE |
| | SOLENOID VALVE |
| | FUSIBLE LINK VALVE |
| | ELECTRIC HEAT TRACING |

THIS LEGEND IS GENERIC. ALL SYMBOLS LISTED MAY NOT BE APPLICABLE FOR THIS PROJECT. REFER TO FLOOR PLANS TO DETERMINE USED DEVICES AND EQUIPMENT.

## MECHANICAL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | CONTROLS |
| SF | SUPPLY FAN |
| RF | RETURN EXHAUST FAN |
| EF | EXHAUST FAN |
| H/C | HEATING COIL |
| C/C | COOLING COIL |
| P/C | PRE-HEAT COIL |
| | FILTERS |
| SA | SUPPLY AIR |
| EA | EXHAUST AIR |
| OA | OUTDOOR AIR |
| RA | RETURN AIR |
| MD | MOTORIZED DAMPER |
| MSP | MOTOR STARTER PANEL |
| MCC | MOTOR CONTROL CENTER |
| | HUMIDIFIER |
| NO | NORMALLY OPEN |
| NC | NORMALLY CLOSED |
| VFD | VARIABLE FREQUENCY DRIVE |
| | ACTUATOR CLOSED END SWITCH |
| | ACTUATOR OPEN END SWITCH |
| FS | FLOW SWITCH |
| LS | LEVEL SWITCH |
| PS | PRESSURE SWITCH |
| NC | ACTUATOR NORMALLY CLOSED DE-ENERGIZED POSITION |

THIS LEGEND IS GENERIC. ALL SYMBOLS LISTED MAY NOT BE APPLICABLE FOR THIS PROJECT. REFER TO FLOOR PLANS TO DETERMINE USED DEVICES AND EQUIPMENT.

## MECHANICAL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | HEATING & COOLING |
| HWR | HEATING WATER RETURN |
| HWS | HEATING WATER SUPPLY |
| HGR | HEATING GLYCOL RETURN |
| HGS | HEATING GLYCOL SUPPLY |
| HTWR | HIGH TEMPERATURE HEATING WATER RETURN |
| HTWS | HIGH TEMPERATURE HEATING WATER SUPPLY |
| HTGR | HIGH TEMPERATURE HEATING GLYCOL RETURN |
| HTGS | HIGH TEMPERATURE HEATING GLYCOL SUPPLY |
| CWR | CONDENSER WATER RETURN |
| CWS | CONDENSER WATER SUPPLY |
| CHR | CHILLED WATER RETURN |
| CHS | CHILLED WATER SUPPLY |
| CHGR | CHILLED GLYCOL RETURN |
| CHGS | CHILLED GLYCOL SUPPLY |
| CNDR | CONDENSATE DRAIN |
| PC | PUMPED CONDENSATE |
| REFR | REFRIGERANT GAS |
| REFS | REFRIGERANT LIQUID |
| LPS | LOW PRESSURE STEAM |
| LPC | LOW PRESSURE CONDENSATE |
| HPS | HIGH PRESSURE STEAM |
| HPC | HIGH PRESSURE CONDENSATE |
| V | VENT |
| ST-V | STEAM VENT |
| GEOS | GEO-EXCHANGE SUPPLY |
| GEOR | GEO-EXCHANGE RETURN |
| FOS | FUEL OIL SUPPLY |
| FOR | FUEL OIL RETURN |
| FOV | FUEL OIL VENT |
| FOO | FUEL OIL OVERFLOW |
| BB - XXX | ELECTRIC BASEBOARD HEATER OUTPUT AS SHOWN (KW) |
| ECH | ELECTRIC CABINET HEATER |
| CUH | CABINET HEATER |
| UH | UNIT HEATER |
| CV 1200-5.6 | CONVECTOR - LENGTH - HEAT OUTPUT (KW) |
| WF 1200-5.6 | WALL FIN - LENGTH - HEAT OUTPUT (KW) |
| | UNION |
| | MANUAL AIR VENT |
| | AUTOMATIC AIR VENT |
| | EXPANSION COMPENSATOR |
| | EXPANSION SWING |
| | PIPE ANCHOR |
| | PIPE GUIDE |
| | PIPE SLEEVE |
| | FLOAT & THERMOSTATIC TRAP |
| | INVERTED BUCKET TRAP |
| | ELECTRIC TRACING |
| TAG | RADIANT PANEL - 8 DENOTES DEPTH, 600MM DENOTES HEIGHT, 1100MM DENOTES LENGTH & 2.1 HEAT OUTPUT (KW) |

THIS LEGEND IS GENERIC. ALL SYMBOLS LISTED MAY NOT BE APPLICABLE FOR THIS PROJECT. REFER TO FLOOR PLANS TO DETERMINE USED DEVICES AND EQUIPMENT.

## MECHANICAL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | CONTROLS |
| NO | ACTUATOR NORMALLY OPEN DE-ENERGIZED POSITION |
| | ACTUATOR FAIL OPEN POSITION |
| | ACTUATOR FAIL CLOSED POSITION |
| FL | ACTUATOR FAIL LAST POSITION |
| | TWO-POSITION ACTUATOR |
| | MODULATING ACTUATOR |
| P | PRESSURE SENSOR |
| DP | DIFFERENTIAL PRESSURE SENSOR |
| VS | VELOCITY SENSOR |
| H | HUMIDITY SENSOR |
| T | TEMPERATURE SENSOR |
| OS | OCCUPANCY SENSOR |
| CO | CARBON MONOXIDE SENSOR |
| NO | NOX SENSOR |
| $O_2$ | OXYGEN SENSOR |
| GDP | GAS DETECTION SYSTEM CONTROL PANEL |
| | VISUAL INDICATOR ALARM |
| | AUDIBLE INDICATOR ALARM |
| BAS | BUILDING AUTOMATION SYSTEM |
| AI | ANALOG INPUT |
| AO | ANALOG OUTPUT |
| DI | DIGITAL INPUT |
| DO | DIGITAL OUTPUT |
| GP | BAS GRAPHICS POINT |
| AP | BAS ADJUSTABLE SET POINT |
| BV | BACNET BINARY VARIABLE |
| HOA | HAND-OFF-AUTO |
| | CONTROL WIRING |

THIS LEGEND IS GENERIC. ALL SYMBOLS LISTED MAY NOT BE APPLICABLE FOR THIS PROJECT. REFER TO FLOOR PLANS TO DETERMINE USED DEVICES AND EQUIPMENT.

## MECHANICAL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | PLUMBING |
| SAN | SANITARY DRAINAGE - ABOVE GROUND |
| SAN | SANITARY DRAINAGE - UNDERGROUND |
| SAN(AR) | SANITARY DRAINAGE (ACID RESISTANT) - ABOVE GROUND |
| SAN(AR) | SANITARY DRAINAGE (ACID RESISTANT) - UNDERGROUND |
| STM | STORM DRAINAGE - ABOVE GROUND |
| STM | STORM DRAINAGE - UNDERGROUND |
| PD | PUMPED DISCHARGE |
| | DOMESTIC COLD WATER SUPPLY |
| | DOMESTIC HOT WATER SUPPLY |
| | DOMESTIC HOT WATER RECIRC. |
| TW | TEMPERED WATER |
| ARV | ACID RESISTANT VENT |
| V | VENT |
| G | GAS |
| RO | REVERSE OSMOSIS PIPING |
| ISO | RADIO ISOTOPE DRAIN |
| CA | COMPRESSED AIR |
| | HEAT TRACING |
| | RUNNING TRAP |
| | P-TRAP |
| ES | EMERGENCY SHOWER |
| EW | EYE WASH |
| CO | CLEANOUT IN FLOOR/BELOW GRADE |
| CO | CLEANOUT IN CEILING |
| HB | HOSE BIBB |
| NFHB | NON FREEZE HOSE BIBB |
| G | SINGLE GAS OUTLET |
| G | DOUBLE GAS OUTLET |
| CA | COMPRESSED AIR OUTLET |
| RD | ROOF DRAIN |
| CFRD | CONTROL FLOW ROOF DRAIN |
| VTR | VENT THROUGH ROOF |
| RWL | RAIN WATER LEADER |
| TSP | TRAP SEAL PRIME |
| | SCUPPER DRAIN |
| MH | MANHOLE |
| CB | CATCH BASIN |
| TD | TRENCH GRATE & FRAME |
| AD | AREA DRAIN |
| FFD | FUNNEL FLOOR DRAIN |
| FD | FLOOR DRAIN |
| HD | HUB DRAIN |
| FS | FLOOR SINK |
| TDD | TERRACE DECK DRAIN |
| FRD | FLOOR DRAIN - FLUSHING RIM |
| M | WATER METER ASSEMBLY |
| G | GAS METER |
| | BACK WATER VALVE |
| BFP | BACKFLOW PREVENTER |
| "WC-1" | DENOTES FIXTURE TYPE PER SPECIFICATION |

THIS LEGEND IS GENERIC. ALL SYMBOLS LISTED MAY NOT BE APPLICABLE FOR THIS PROJECT. REFER TO FLOOR PLANS TO DETERMINE USED DEVICES AND EQUIPMENT.

## MECHANICAL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | FIRE PROTECTION |
| SP | SPRINKLER LINE |
| FM | FIRE MAIN |
| F | STANDPIPE |
| WFA | WATER FLOW ALARM |
| SV | SUPERVISED VALVE |
| PS | PRESSURE SWITCH |
| | TEST CONNECTION |
| | SPRINKLER FIRE DEPARTMENT CONNECTION |
| | PENDENT SPRINKLER HEAD |
| | UPRIGHT SPRINKLER HEAD |
| | CONCEALED SPRINKLER HEAD |
| | FIRE SUPPRESSION SPRINKLER HEAD |
| | SIDEWALL SPRINKLER HEAD |
| PIV | POST-INDICATOR VALVE |
| SVC | SPRINKLER VALVE CABINET |
| FEC | FIRE EXTINGUISHER CABINET |
| FHC | FIRE HOSE CABINET |
| F | FIRE EXTINGUISHER C/W WALL BRACKET |
| | FIRE HYDRANT C/W SHUT-OFF VALVE |
| | AIR COMPRESSOR |
| | PRESSURE SWITCH<br>WATER FLOW ALARM<br>EXCESS PRESSURE PUMP<br>WET ALARM CHECK VALVE<br>TEST & DRAIN VALVE |
| | WATER FLOW ALARM<br>PRESSURE SWITCH<br>DRY ALARM CHECK VALVE<br>TEST & DRAIN VALVE |

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## MECHANICAL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | VENTILATION |
| FD | FUSIBLE LINK FIRE DAMPER |
| SD | SMOKE DAMPER |
| SFD | COMBINATION SMOKE/FIRE DAMPER |
| BDD | BACK DRAFT DAMPER |
| BD | BALANCING DAMPER |
| M | MOTORIZED DAMPER |
| W x H | RECTANGULAR DUCTWORK - DIMENSION AS SHOWN |
| XXXØ | ROUND DUCTWORK - DIMENSION AS SHOWN |
| | RECTANGULAR SUPPLY DUCT UP |
| | RECTANGULAR EXHAUST/RETURN DUCT UP |
| | CIRCULAR SUPPLY/OUTDOOR AIR DUCT UP |
| | CIRCULAR EXHAUST/RETURN AIR DUCT UP |
| | RECTANGULAR SUPPLY DUCT DOWN |
| | RECTANGULAR EXHAUST/RETURN DUCT DOWN |
| | CIRCULAR SUPPLY/OUTDOOR AIR DUCT DOWN |
| | CIRCULAR EXHAUST/RETURN AIR DUCT DOWN |
| | MITRED ELBOW WITH TURNING VANES |
| | SUPPLY GRILLE - DIMENSIONS SHOWN ON SCHEDULE |
| | EXHAUST/RETURN GRILLE - DIMENSIONS SHOWN ON SCHEDULE |
| | CEILING SUPPLY AIR DIFFUSER - DIMENSIONS SHOWN ON SCHEDULE |
| | SUPPLY AIR LINEAR SLOT DIFFUSER - DIMENSIONS SHOWN ON SCHEDULE |
| | CEILING EXHAUST/RETURN GRILLE - DIMENSIONS SHOWN ON SCHEDULE |
| | SUPPLY AIR ROUND DIFFUSER |
| | BRANCH TAKE-OFF WITH ADJUSTABLE SPLITTER DAMPER IN SUPPLY DUCT |
| O.E.D. | OPEN ENDED DUCT WITH BALANCING DAMPER AND BELLMOUTH. DIRECTION AS SHOWN |
| | FLEXIBLE DUCT CONNECTION |
| | ACOUSTICALLY LINED DUCTWORK |
| SL | SILENCER (ATTENUATOR) |
| | FLEXIBLE DUCT (DOUBLE LINE) |
| | FLEXIBLE DUCT (SINGLE LINE) |
| | FLEXIBLE DUCT CONNECTION WITH BALANCING DAMPER ON TAKE-OFF |
| | DUCT MOUNTED HEATING COIL |
| | SUPPLY AIR TERMINAL BOX C/W REHEAT COIL AND ATTENUATOR. |
| | SUPPLY AIR TERMINAL BOX C/W ATTENUATOR. |
| | RETURN / EXHAUST AIR TERMINAL BOX ATTENUATOR. |
| | FIRE RATED DUCTWORK (DOUBLE LINE) |
| | DUCT TRANSITION FROM RECTANGULAR TO ROUND |
| | RECTANGULAR DUCT BREAK |
| | ROUND DUCT BREAK |
| | SINGLE LINE DUCT BREAK |
| U/C | 3/4" DOOR UNDERCUT |
| | TRANSFER AIR DUCT |
| | SUPPLY AIR LIGHT TROFFER |
| U/C | 3/4" DOOR UNDERCUT |
| TYPE, DIFFUSER SIZE (IN), NECK SIZE (IN), A-24x24-8Ø-100, AIRFLOW IN CFM | DIFFUSER TAG |
| TYPE, AIRFLOW IN CFM, A-100, A-WxH-100, AIRFLOW IN CFM, GRILLE SIZE | GRILLE TAG |

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| NO. | DATE | ISSUED |
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| 05 | 2026/01/30 | ADDENDUM 1 |
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| 03 | 2025/12/09 | ISSUED FOR PERMIT |
| 02 | 2025/10/15 | ISSUED FOR 50% CD |
| 01 | 2025/06/17 | ISSUED FOR 100% DD |

NOTES

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MECHANICAL AND ELECTRICAL ENGINEERING:
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250 Rowntree Dairy Road Woodbridge, ON L4L 9J7

CLIENT:
COLLINGWOOD G&M HOSPITAL

# NUCLEAR MEDICINE SPECT/CT CAMERA

COLLINGWOOD GENERAL AND MARINE HOSPITAL

459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH

TRUE NORTH

KEY PLAN LENGENDS AND NOTES

ENTERED: TZ
CHECKED: MM
DATE: 2025/12/09
PROJECT NO. HC-24-173

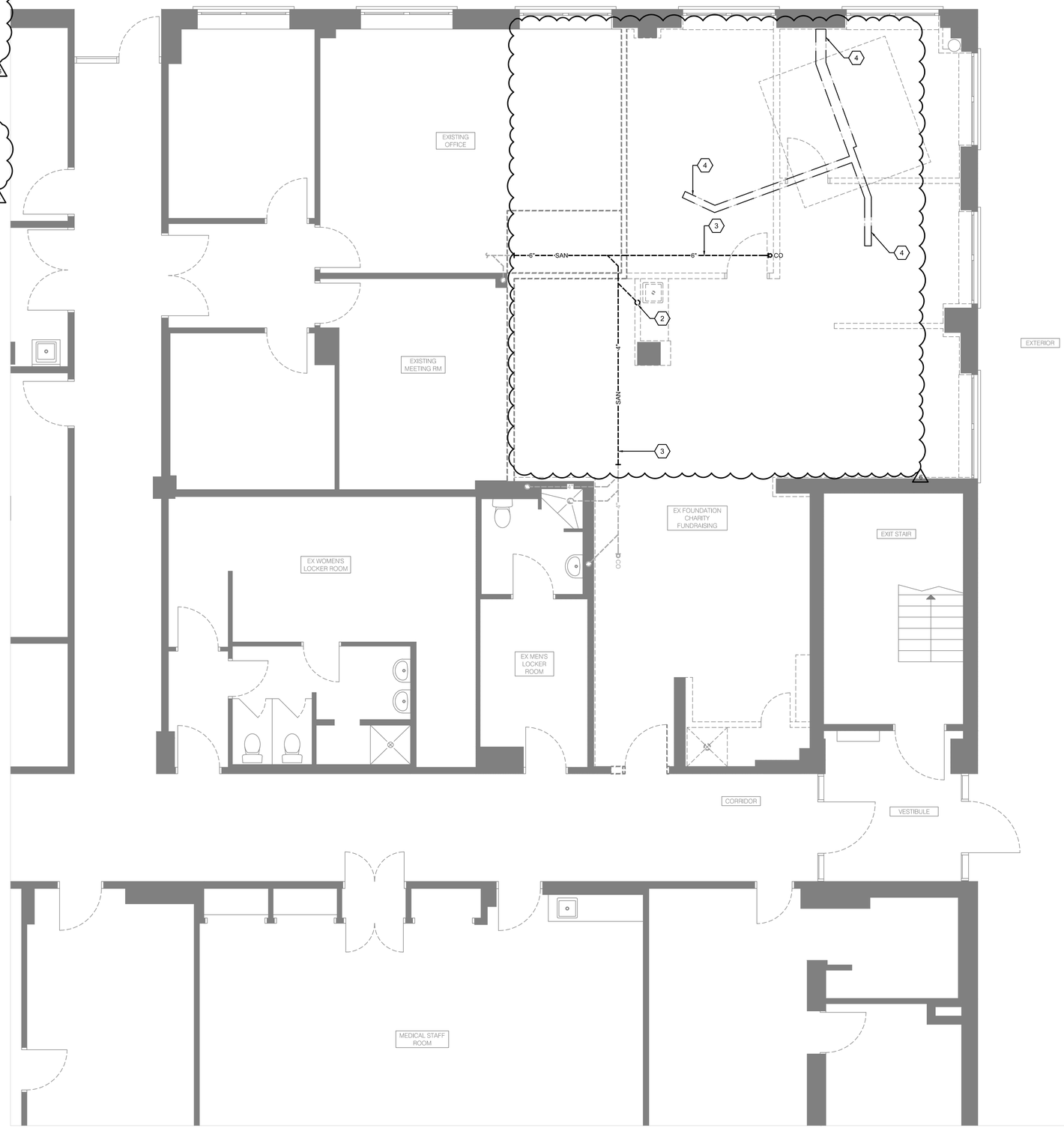
DRAWING NO. M001

## GENERAL NOTES:

| | |
|---|---|
| A. | CONTRACTOR TO FIELD LOCATE ALL EXISTING SERVICES THAT ARE REQUIRED FOR THIS PROJECT. |
| B. | ALL MECHANICAL SERVICES HAVE NOT BEEN SHOWN FOR CLARITY. |
| C. | PROVIDE VENTING TO ALL FIXTURES ACCORDING TO NBC AND LOCAL JURISDICTIONAL CODES. CONNECT TO NEAREST PLUMBING VENT MAIN. CONTRACTOR TO CONFIRM ON SITE. |
| D. | PROVIDE SHUTOFF VALVES ON ALL SERVICES TO FIXTURES. |

## DEMOLITION NOTES:

| | |
|---|---|
| 1. | DEMOLISH EXISTING SANITARY DRAIN. PREPARE EXISTING FOR NEW LAYOUT. COORDINATE WITH GC |
| 2. | CUT BACK EXISTING ABOVE GROUND SANITARY TO MAIN. CUT EXISTING VENT IN CEILING. PREPARE FOR NEW CONNECTION AS SHOWN ON NEW WORK DRAWINGS. |
| 3. | EXACT LOCATION TO BE DETERMINED ON SITE. |
| 4. | APPROXIMATE LOCATION OF NEW BELOW GRADE ELECTRICAL CONDUIT TRENCHING. CONTRACTOR TO COORDINATE WITH OTHER TRADES EXACT LOCATIONS OF BELOW GRADE SANITARY REVISIONS WITH RESPECT TO ELECTRICAL TRENCHING REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS. |
| 5. | CUT BACK EXISTING BELOW GROUND SANITARY TO MAIN. PREPARE FOR NEW CONNECTION AS SHOWN ON NEW WORK DRAWINGS. |




1 M200 MECHANICAL BELOW GRADE PLUMBING PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"

| NO. | DATE | ISSUED |
|---|---|---|
| 06 | 2026/02/04 | ADDENDUM 2 |
| 05 | 2026/01/30 | ADDENDUM 1 |
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| 03 | 2025/12/09 | ISSUED FOR PERMIT |
| 02 | 2025/10/15 | ISSUED FOR 50% CD |
| 01 | 2025/06/17 | ISSUED FOR 100% DD |

NOTES

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CLIENT:
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NUCLEAR MEDICINE SPECT/CT CAMERA
COLLINGWOOD GENERAL AND MARINE HOSPITAL
459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH
TRUE NORTH

MECHANICAL BELOW GRADE PLUMBING PLAN - DEMOLITION

ENTERED: TZ
CHECKED: MM
DATE: 2025/12/09
PROJECT NO. HC-24-173

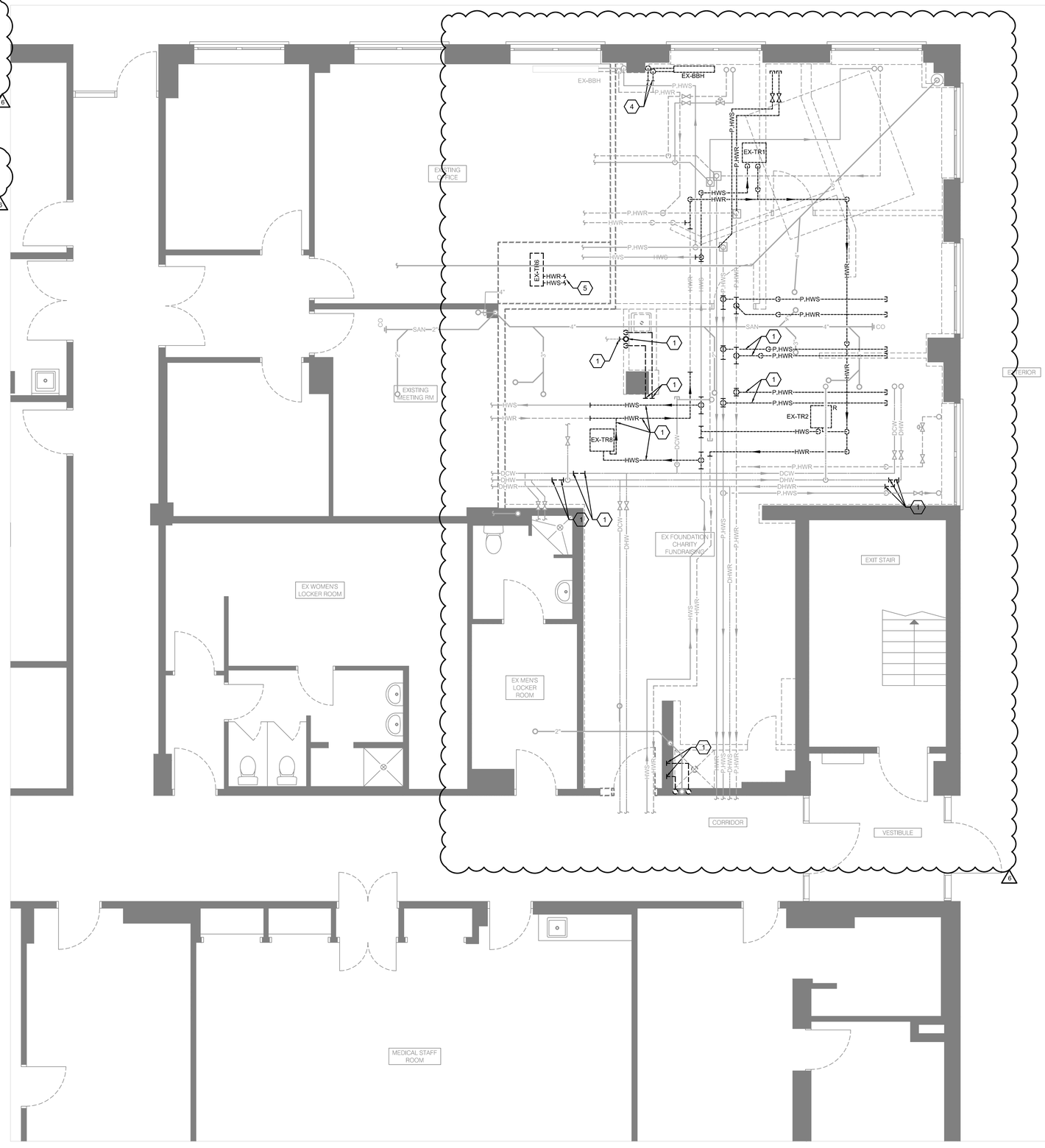
DRAWING NO. M200

## GENERAL NOTES:

| | |
|---|---|
| A. | CONTRACTOR TO FIELD LOCATE ALL EXISTING SERVICES THAT ARE REQUIRED FOR THIS PROJECT. |
| B. | ALL MECHANICAL SERVICES HAVE NOT BEEN SHOWN FOR CLARITY. |
| C. | PROVIDE VENTING TO ALL FIXTURES ACCORDING TO NBC AND LOCAL JURISDICTIONAL CODES. CONNECT TO NEAREST PLUMBING VENT MAIN. CONTRACTOR TO CONFIRM ON SITE. |
| D. | PROVIDE SHUTOFF VALVES ON ALL SERVICES TO FIXTURES. |

## DEMOLITION NOTES:

| | |
|---|---|
| 1. | DEMOLISH EXISTING PIPING, PREPARE EXISTING FOR NEW LAYOUT |
| 2. | CUT EXISTING VENT IN CEILING SPACE WHERE INDICATED PREPARE FOR NEW CONNECTION. |
| 3. | NOT USED. |
| 4. | DEMOLISH EXISTING HYDRONIC HEATER AND CUT BACK PIPING TO WHERE INDICATED |
| 5. | HWS & HWR PIPING LOCATION AND PATH IS APPROXIMATE. SITE VERIFY EXACT LOCATION. DEMOLISH ALL PIPING OVER THE NEW ELECTRICAL ROOM AREA. |




1 M201 MECHANICAL PLUMBING PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"

| NO. | DATE | ISSUED |
|---|---|---|
| 06 | 2026/02/04 | ADDENDUM 2 |
| 05 | 2026/01/30 | ADDENDUM 1 |
| 04 | 2026/01/06 | ISSUED FOR TENDER |
| 03 | 2025/12/09 | ISSUED FOR PERMIT |
| 02 | 2025/10/15 | ISSUED FOR 50% CD |
| 01 | 2025/06/17 | ISSUED FOR 100% DD |

NOTES

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MECHANICAL AND ELECTRICAL ENGINEERING:
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250 Rowntree Dairy Road Woodbridge, ON L4L 9J7

CLIENT:
COLLINGWOOD G&M HOSPITAL

# NUCLEAR MEDICINE SPECT/CT CAMERA

COLLINGWOOD GENERAL AND MARINE HOSPITAL

459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH
TRUE NORTH

# MECHANICAL PLUMBING PLAN - DEMOLITION

ENTERED: TZ
CHECKED: MM
DATE: 2025/12/09
PROJECT NO. HC-24-173

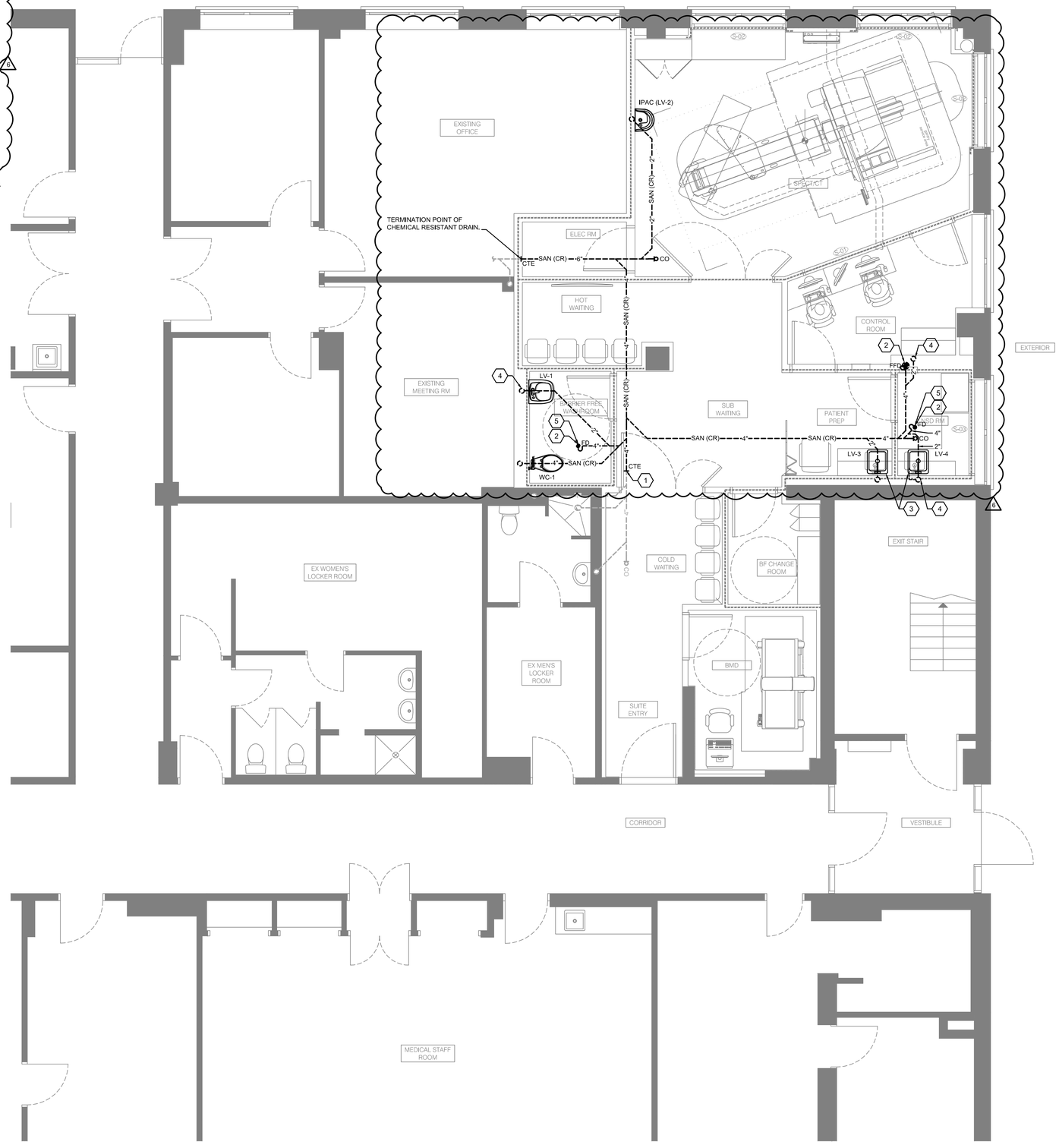
DRAWING NO. M201

## GENERAL NOTES:

| | |
|---|---|
| A. | CONTRACTOR TO FIELD LOCATE ALL EXISTING SERVICES THAT ARE REQUIRED FOR THIS PROJECT. |
| B. | ALL MECHANICAL SERVICES HAVE NOT BEEN SHOWN FOR CLARITY. |
| C. | PROVIDE VENTING TO ALL FIXTURES ACCORDING TO NBC AND LOCAL JURISDICTIONAL CODES. CONNECT TO NEAREST PLUMBING VENT MAIN. CONTRACTOR TO CONFIRM ON SITE. |
| D. | PROVIDE SHUTOFF VALVES ON ALL SERVICES TO FIXTURES. |

## NEW WORK NOTES:

| | |
|---|---|
| 1. | TIE INTO EXISTING BELOW GRADE SANITARY. |
| 2. | INDIRECT CONNECTION FROM TRAP SEAL PRIMER TO FFD. |
| 3. | LV-3 AND LV-4 SCOPE SUPPLY AND FAUCET, COUNTER AND SINK (BY MILLWORK CONTRACTOR). MECHANICAL CONTRACTOR TO COORDINATE FAUCET DETAILS AND DIMENSIONS AND MAKE FINAL CONNECTIONS TO PLUMBING LINES AND TO DRAINS. |
| 4. | 2IN WET VENT UP AND 2IN DRAIN DOWN |
| 5. | FLOOR DRAIN TO BE CHEMICAL RESISTANT TYPE. |




1 M202 MECHANICAL BELOW GRADE PLUMBING PLAN - NEW WORK
SCALE: 1/4" = 1'-0"

| NO. | DATE | ISSUED |
|---|---|---|
| 06 | 2026/02/04 | ADDENDUM 2 |
| 05 | 2026/01/30 | ADDENDUM 1 |
| 04 | 2026/01/06 | ISSUED FOR TENDER |
| 03 | 2025/12/09 | ISSUED FOR PERMIT |
| 02 | 2025/10/15 | ISSUED FOR 50% CD |
| 01 | 2025/06/17 | ISSUED FOR 100% DD |

NOTES

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NUCLEAR MEDICINE SPECT/CT CAMERA
COLLINGWOOD GENERAL AND MARINE HOSPITAL
459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH
TRUE NORTH

MECHANICAL BELOW GRADE PLUMBING PLAN - NEW WORK

ENTERED: TZ
CHECKED: MM
DATE: 2025/12/09
PROJECT NO. HC-24-173

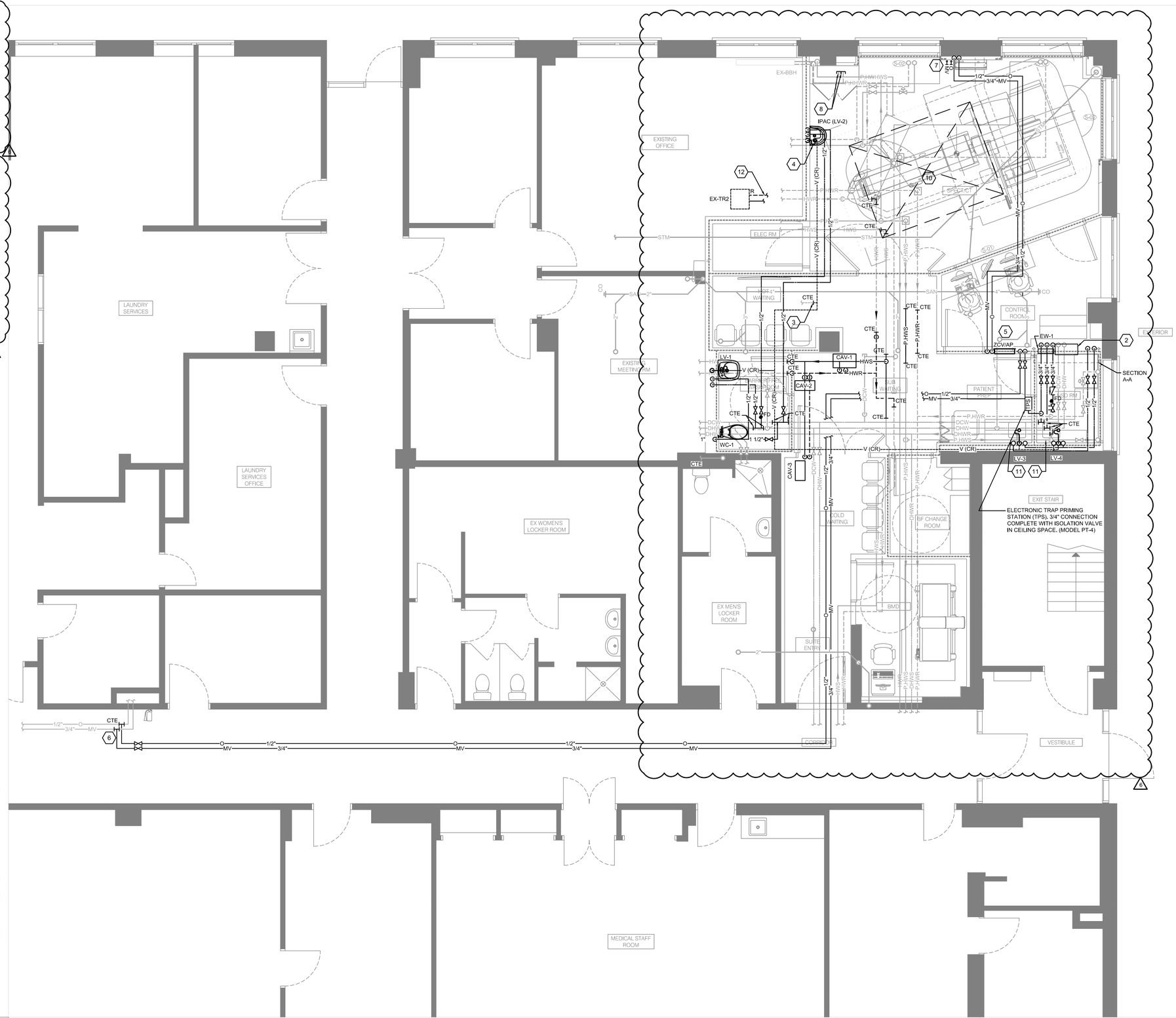
DRAWING NO. M202

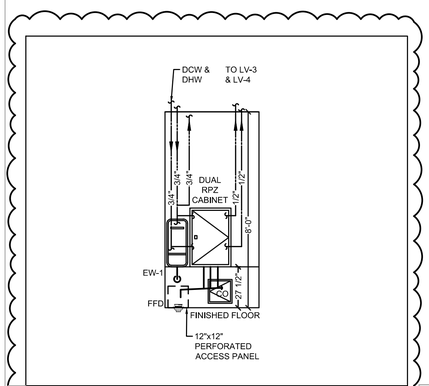
## GENERAL NOTES:

| | |
|---|---|
| A. | CONTRACTOR TO FIELD LOCATE ALL EXISTING SERVICES THAT ARE REQUIRED FOR THIS PROJECT. |
| B. | ALL MECHANICAL SERVICES HAVE NOT BEEN SHOWN FOR CLARITY. |
| C. | PROVIDE VENTING TO ALL FIXTURES ACCORDING TO NBC AND LOCAL JURISDICTIONAL CODES. CONNECT TO NEAREST PLUMBING VENT MAIN. CONTRACTOR TO CONFIRM ON SITE. |
| D. | PROVIDE SHUTOFF VALVES ON ALL SERVICES TO FIXTURES. |
| E. | BASE BID SHALL INCLUDE:<br>- 40 LF MIN. NEW INSULATION: DOMESTIC PLUMBING 1-1/2" OR SMALLER<br>- 40 LF MIN. NEW INSULATION: HYDRONIC PIPING 1-1/2" OR SMALLER<br>- 30 LF MIN. NEW INSULATION: SANITARY 6" OR SMALLER<br>- REPAIR ALL DAMAGED PLUMBING AND HYDRONIC INSULATION WITHIN SCOPE OF WORK AREA.<br>- MATCH EXISTING TYPE, THICKNESS, AND VAPOR BARRIER. FIELD VERIFY PRIOR TO PROCUREMENT.<br>- SURVEY EXISTING CONDITIONS PRE-BID. INCLUDE ALL REPAIR COSTS. NO CHANGE ORDERS FOR REPAIRS WITHIN SCOPE. |

## NEW WORK NOTES:

| | |
|---|---|
| 1. | NOT USED. |
| 2. | DUAL BACKFLOW PREVENTERS PANEL (REFER TO ELEVATION AND TYPICAL DETAILS) |
| 3. | CONNECT NEW CHEMICAL RESISTANT VENT TO EXISTING |
| 4. | CONNECT NEW IPAC AND LAV TO EXISTING VENT |
| 5. | PROVIDE NEW MEDICAL GAS PIPING C/W ISOLATION VALVE DOWN TO NEW ZONE CONTROL VALVE WITH ALARM PANEL. |
| 6. | CONNECT NEW 1/2" OXYGEN AND 3/4" MEDICAL VACUUM LINES TO EXISTING AT THIS LOCATION. CONTRACTOR TO CONFIRM EXACT LOCATION ON SITE, MODIFY AND EXTEND EXISTING PIPING AS REQUIRED TO MAKE FULL CONNECTION. |
| 7. | NEW 1/2" OXYGEN AND 3/4" MEDICAL VACUUM LINES DOWN IN WALL TO NEW MEDICAL GAS OUTLETS. REFER TO ARCHITECTURAL FOR ELEVATIONS. |
| 8. | CUT EXISTING HYDRAULIC PIPES WHERE INDICATED AND PERMANENTLY CAP. |
| 9. | NOT USED. |
| 10. | CONTRACTOR TO COORDINATE WITH CHAIR LIFT STRUCTURAL SUPPORTS IN THIS AREA PRIOR TO INSTALLATION OF ANY NEW HYDRONIC, PLUMBING OR GAS PIPING. |
| 11. | LV-3 AND LV-4 SCOPE SUPPLY AND INSTALL FAUCET. COUNTER AND SINK (BY MILLWORK CONTRACTOR). MECHANICAL CONTRACTOR TO COORDINATE FAUCET DETAILS AND DIMENSIONS AND MAKE FINAL CONNECTIONS TO PLUMBING LINES AND TO DRAINS. |
| 12. | RECONNECT TO EXISTING HWS AND HWR MAINS. ENSURE THAT CONNECTIONS ARE NOT ABOVE THE NEW ELECTRICAL ROOM. |




2 SECTION A-A
M203 SCALE: 1/4" = 1'-0"

1 MECHANICAL PLUMBING PLAN - NEW WORK
M203 SCALE: 1/4" = 1'-0"

| NO. | DATE | ISSUED |
|---|---|---|
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DAVID CARTER ARCHITECTS INC.
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MECHANICAL AND ELECTRICAL ENGINEERING:
QUASAR
250 Rowntree Dairy Road Woodbridge, ON L4L 9J7

CLIENT:
COLLINGWOOD G&M HOSPITAL

# NUCLEAR MEDICINE SPECT/CT CAMERA

COLLINGWOOD GENERAL AND MARINE HOSPITAL

459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH

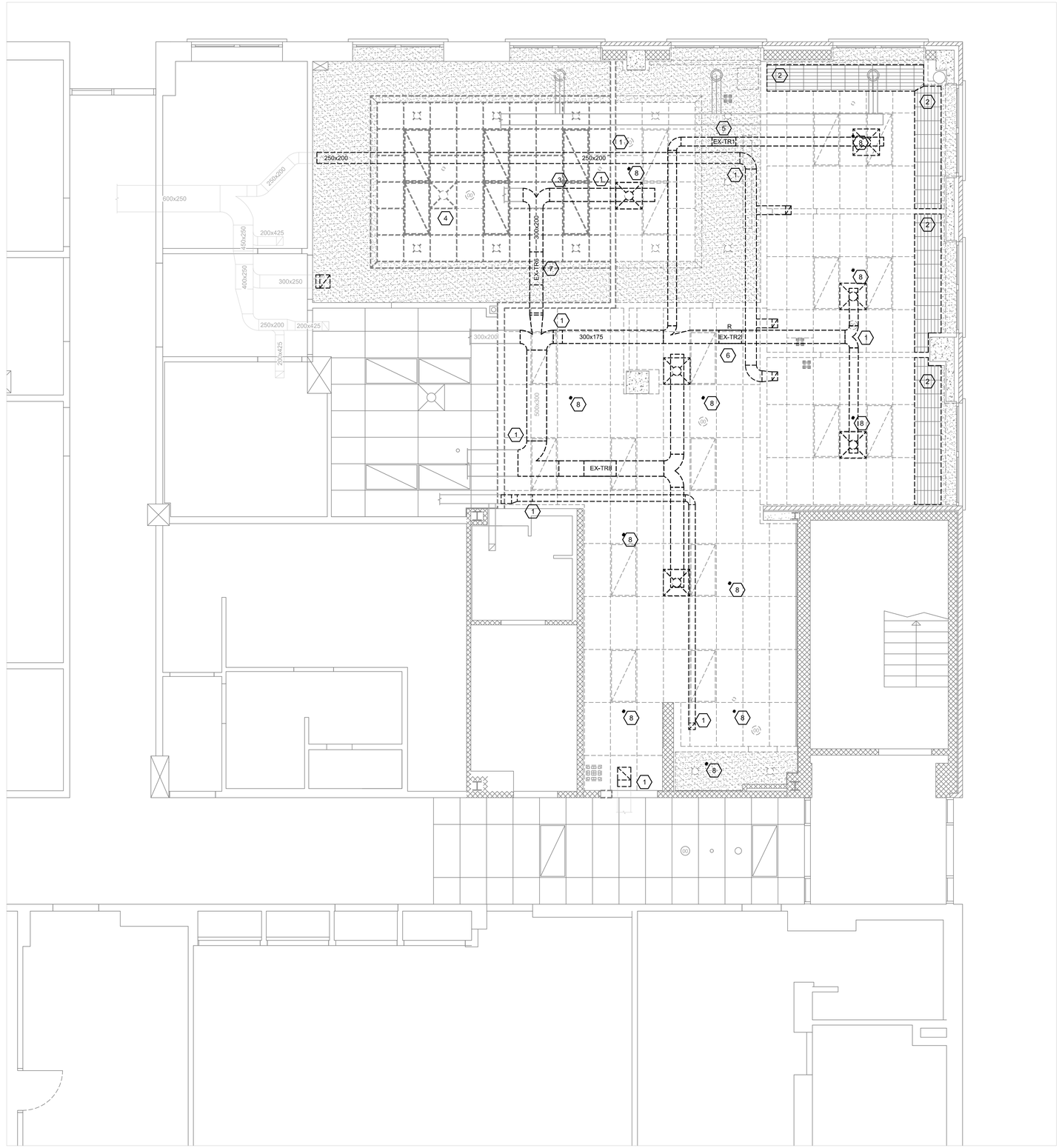
TRUE NORTH

## MECHANICAL PLUMBING PLAN - NEW WORK

| | |
|---|---|
| ENTERED: | TZ |
| CHECKED: | MM |
| DATE: | 2025/12/09 |
| PROJECT NO. | HC-24-173 |
| DRAWING NO. | M203 |

## DEMOLITION NOTES:

| | |
|---|---|
| 1. | DEMOLISH EXISTING DUCTWORK. |
| 2. | DEMOLISH EXISTING RADIANT CEILING PANELS. REMOVE PIPING BACK TO BRANCH, ENSURE TERMINAL UNITS ON SECOND LEVEL REMAIN OPERATIONAL ONCE PIPING IS CAPPED. REMOVE PNEUMATIC CONTROLS THAT ARE NO LONGER REQUIRED. |
| 3. | CAP EXISTING DUCT WHERE INDICATED. |
| 4. | RE-BALANCE EXISTING DIFFUSER IN ROOM TO A NEW VALUE OF 360 CFM, UPDATE REHEAT COIL (TR6) SERVING THIS SPACE TO A MAXIMUM AIRFLOW OF 360CFM IN BAS SYSTEM. |
| 5. | REMOVE EXISTING REHEAT COIL, REMOVE PIPING BACK TO MAIN AND PERMANENTLY CAP. EXISTING THERMOSTAT AND CONTROLS TO BE FULLY REMOVED. |
| 6 | REMOVE, CLEAN AND TEST EXISTING CONSTANT REHEAT BOX (TR2) FOR REINSTALLATION AS SHOWN ON NEW WORK DRAWINGS. |
| 7. | REMOVE EXISTING REHEAT BOX (TR6), MAINTAIN EXISTING THERMOSTAT AND CONTROLS. PREPARE HEATING LINES AND CONTROLS FOR RECONNECTION TO RELOCATED (TR2) AS SHOWN ON NEW WORK DRAWINGS. |
| 8. | DEMOLISH EXISTING PENDENT SPRINKLER HEAD. PREPARE AND MODIFY EXISTING PIPING FOR NEW WORK. |




1 M300 MECHANICAL HVAC & FIRE PROTECTION PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"

| NO. | DATE | ISSUED |
|---|---|---|
| 06 | 2026/02/04 | ADDENDUM 2 |
| 05 | 2026/01/30 | ADDENDUM 1 |
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| 03 | 2025/12/09 | ISSUED FOR PERMIT |
| 02 | 2025/10/15 | ISSUED FOR 50% CD |
| 01 | 2025/06/17 | ISSUED FOR 100% DD |

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NUCLEAR MEDICINE SPECT/CT CAMERA
COLLINGWOOD GENERAL AND MARINE HOSPITAL
459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH
TRUE NORTH

MECHANICAL HVAC & FIRE PROTECTION PLAN - DEMOLITION

ENTERED: TZ
CHECKED: MM
DATE: 2025/12/09
PROJECT NO. HC-24-173

DRAWING NO. M300

## GENERAL NOTES:

| | |
|---|---|
| 1. | CONTRACTOR TO FIELD LOCATE ALL EXISTING SERVICES THAT ARE REQUIRED FOR THIS PROJECT. |
| 2. | ALL MECHANICAL SERVICES HAVE NOT BEEN SHOWN FOR CLARITY. |
| 3. | WEATHERPROOF AND SEAL ALL EXTERIOR PENETRATIONS. |
| 4. | GENERAL CONTRACTOR TO SCAN AND CORE FOR NEW LINES THROUGH FLOORS AS REQUIRED. COORDINATE WITH FACILITIES AND ALL DISCIPLINES. |

## NEW WORK NOTES:

| | |
|---|---|
| 1. | INSTALL NEW EVAPORATOR 'ME-1A' AND 'ME-1C'. CONTRACTOR TO INSTALL AS PER MANUFACTURER'S RECOMMENDED METHOD. |
| 2. | PROVIDE CUSTOM FILTER BOX ACCESSIBLE IN CEILING SPACE TO REPLACE FILTERS. PROVIDE CAMFIL 'DURAFIL ES2' 16"x25" - 12" THICK MERV 14 FILTERS (0.31 Pa MAX PRESSURE DROP) C/W FILTER BOX. ENSURE ACCESS FOR FILTER CHANGES IN CEILING SPACE. COORDINATE WITH EXISTING SERVICES ON SITE. FILTER BOX. BASES OF DESIGN : CAMFIL GLIDEPACK MULTITRACK HOUSING |
| 3. | PROVIDE CUSTOM FILTER BOX ACCESSIBLE IN CEILING SPACE TO REPLACE FILTERS. PROVIDE CAMFIL 'FARR 30/30' 16"x25" - 2" MERV 8 FILTERS (0.31 Pa MAX PRESSURE DROP) C/W FILTER BOX. ENSURE ACCESS FOR FILTER CHANGES IN CEILING SPACE. COORDINATE WITH EXISTING SERVICES ON SITE. FILTER BOX. BASES OF DESIGN : CAMFIL GLIDEPACK MULTITRACK HOUSING |
| 4. | RELOCATE (EXISTING TR2) CAV COMPLETE WITH DUCT MOUNTED REHEAT COIL. EXTEND NEW HEATING WATER PIPING TO BOOSTER COIL LOCATION, AS INDICATED. CONTRACTOR TO INCLUDE FOR PIPE FREEZING FOR CONNECTION TO EXISTING HEATING WATER PIPING, AS REQUIRED |
| 5. | CAP AND SEAL EXISTING DUCT WHERE INDICATED. |
| 6. | CONTRACTOR TO SCAN EXISTING WALL AREA AND COORDINATE WITH STRUCTURAL ON THE LOCATION AND ARRANGEMENT OF OPENINGS TO FACILITATE EXHAUST AIR (MINIMUM THREE (3) 8INCH CORES). EXHAUST FAN SELECTION MAY NEED TO BE REVISED BASED ON ARRANGEMENT SCAN RESULTS. CONTRACTOR TO SUBMIT EXHAUST FAN SHOP DRAWINGS ONCE SCANS ARE COMPLETE AND REVIEWED BY STRUCTURAL AND MECHANICAL CONSULTANTS. |
| 7. | EXHAUST LOUVER 350mmx350mm, MIN 50% FREE AREA STAINLESS STEEL LOUVER. REFER TO ARCHITECTURAL ELEVATIONS AND MECHANICAL SPECIFICATIONS. |
| 8. | INSTALL NEW CONCEALED QUICK ACTION SPRINKLER HEAD. CONNECT TO EXISTING SPRINKLER PIPING. MODIFY AND EXTEND EXISTING PIPING AND REQUIRED TO MAKE FULL CONNECTION. COORDINATE WITH ARCHITECTURAL RCP, ELECTRICAL DRAWINGS AND OTHER SERVICES. |
| 9. | SUPPLY AND INSTALL AT HIGH LEVEL ON BULKHEAD FACING EXTERIOR GLASS QTY (1) SUPPLY AND QTY (1). SUPPLY / RETURN MINI AIRVALVE DIFFUSER: UNIVERSAL VALVE DIFFUSER BY AIRVECTOR "DRV 04" (4in). CONNECT BACK TO MAIN DUCTS USING A SINGLE PIECE OF 4" FLEX DUCT. BALANCE EACH SUPPLY AND RETURN MINI AIR VALVE TO 30CFM PRIOR TO INSTALLATION. (REFER TO ARCHITECTURAL DETAIL / SECTION FOR ADDITIONAL INFORMATION AND PLACEMENT) |
| 10. | SUPPLY AND INSTALL AT HIGH LEVEL ON BULKHEAD FACING EXTERIOR GLASS QTY (1) SUPPLY AND QTY (1). SUPPLY / EXHAUST MINI AIRVALVE DIFFUSER: UNIVERSAL VALVE DIFFUSER BY AIRVECTOR "DRV 04" (4in). CONNECT BACK TO MAIN DUCTS USING A SINGLE PIECE OF 4" FLEX DUCT FOR SUPPLY AND SOLID PIECE OF 4" DUCT FOR EXHAUST. BALANCE EACH SUPPLY AND EXHAUST MINI AIR VALVE TO 20CFM PRIOR TO INSTALLATION. (REFER TO ARCHITECTURAL DETAIL / SECTION FOR ADDITIONAL INFORMATION AND PLACEMENT) |
| 11. | CONTRACTOR TO COORDINATE WITH CHAIR LIFT STRUCTURAL SUPPORTS IN THIS AREA PRIOR TO INSTALLATION OF ANY HVAC DUCTWORK OR DIFFUSERS. |
| 12. | FIRESTOP ALL EXISTING AND NEW PIPING PASSING THROUGH ELECTRICAL ROOM FIRE RATED WALLS. |

## FIRE PROTECTION - GENERAL NOTES

FP1. THE FIRE PROTECTION DRAWINGS ARE PREPARED TO PROVIDE THE DESIGN INTENT AND CONTRACT AREA TO THE CONTRACTOR, CITY, FIRE DEPARTMENT, LOCAL AUTHORITY AND UNDERWRITERS.

FP2. QUASAR CONSULTING GROUP IS NOT IN ANY WAY LIABLE FOR ACCURACY OF ANY INFORMATION OF THE FIRE PROTECTION DRAWINGS, USE OF THE FIRE PROTECTION DRAWINGS FOR OTHER PURPOSES SUCH AS PRICE QUOTATION AND ENGINEERING DESIGN SHALL BE AT THEIR OWN RISK.

FP3. THE SUCCESSFUL FIRE PROTECTION CONTRACTOR SHALL PREPARE ALL ENGINEERING DOCUMENTS (SEALED BY PROFESSIONAL ENGINEER) INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS CONSISTING OF SPRINKLER HEAD LAYOUTS, FIRE HOSE CABINET LAYOUTS (WHERE APPLICABLE) AND HYDRAULIC CALCULATIONS AND SUBMIT TO CONSULTANT'S FOR CONCEPT REVIEW, SUBMIT TO LOCAL AUTHORITIES FOR APPROVAL (WHERE REQUIRED) AND SUBMIT TO THE CITY FOR APPROVAL AND PERMITS. ON CONSTRUCTION COMPLETION, FIRE PROTECTION CONTRACTOR SHALL PROVIDE THE NFPA-13 AND NFPA-14 CONFORMANCE LETTER DULY SIGNED AND STAMPED BY FIRE PROTECTION ENGINEER.

FP4. CONTRACTOR SHALL INCLUDE ALL THE MEASURES AND COSTS TO COMPLETE THE FIRE PROTECTION SYSTEM INCLUDING BUT NOT LIMITED TO OBTAINING INFORMATION OF EXISTING SYSTEM, VERIFYING AND TESTING OF EXISTING SYSTEM, PIPE MODIFICATIONS, EQUIPMENT REPLACEMENT, ADDITIONAL DEVICE/ACCESSORIES, EXISTING ITEM REMOVAL AND DISPOSAL, DRAINAGE AND RECHARGE, FREEZE PROTECTION, INSULATION, POWER, COMMUNICATION, PERMIT APPLICATIONS, SITE VISITS AND SITE COORDINATION WITH OTHERS (LANDLORD, CONTRACTORS, OTHER DISCIPLINES ETC.)

FP5. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, STRUCTURAL, ARCHITECTURAL AND OTHER TRADES (EXISTING OR NEW) FOR FINAL LOCATION OF SPRINKLER HEADS AND PIPE ROUTING IN ORDER TO PREVENT CONFLICTS INCLUDING LIGHTING, GRILLES, DIFFUSERS, AND SIMILAR ITEMS, OFFSET PIPING, RELOCATE OR ADD ADDITIONAL SPRINKLER HEADS AS REQUIRED TO PROVIDE PROPER SPRINKLER COVERAGE AT NO ADDITIONAL COST.

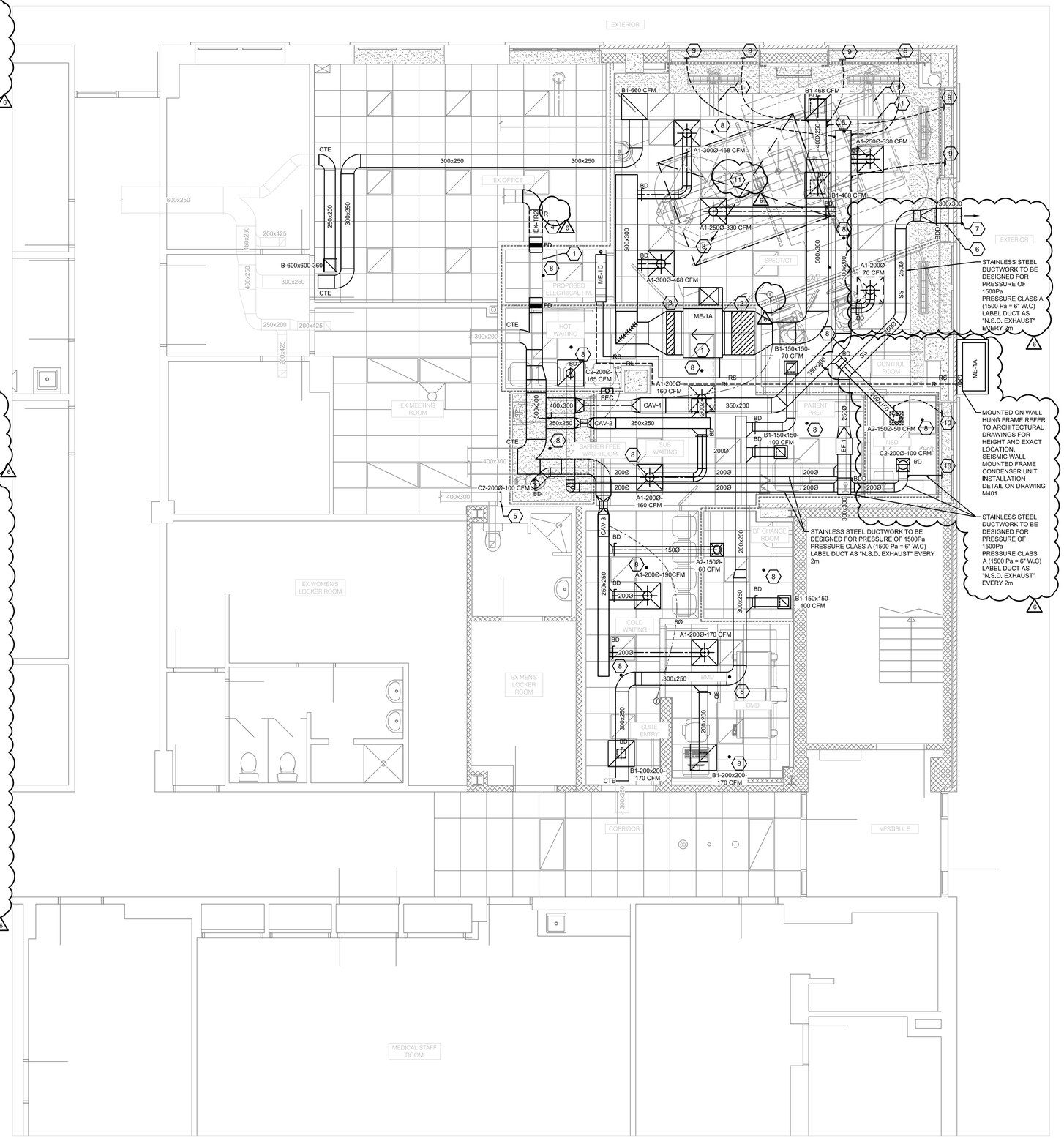
FP6. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL COORDINATE WORK WITH THE OWNER. THE DATE AND PERIOD OF TIME PERMITTED FOR DISCONNECTING AND NEW TIE-INS TO MECHANICAL SERVICES IN ORDER TO MINIMIZE INTERRUPTIONS OF THE SITE'S DAILY OPERATIONS. CONTRACTOR SHALL INCLUDE IN HIS PRICE FOR AFTER HOURS WORK IN ORDER TO KEEP THE BUILDING OPERATIONAL DURING THE CONSTRUCTION PERIOD.

FP7. WHERE CEILING, FLOOR, AND/OR WALL OPENINGS ARE REQUIRED TO RUN MECHANICAL SERVICES, INCLUDE FOR ALL COST OF THESE DRAWINGS, CUTTING AND PATCHING. SEAL UP ALL OPENINGS WITH SMOKE AND FIRE STOPPING MATERIALS.

FP8. CONTRACTOR TO ALLOW FOR FIRE WATCH DURING PERIOD OF SPRINKLER SYSTEM REMEDIATION.

FP9. EXISTING SPRINKLER SYSTEM TO BE MODIFIED AS REQUIRED TO ACCOMMODATE ALL NEW WORK. REMOVE ALL REDUNDANT SPRINKLER HEADS AND ASSOCIATED PIPING AND PROVIDE ALL NECESSARY NEW PIPING INCLUDING MAINS, BRANCH MAINS AND BRANCH LINES TO NEW OR RELOCATED SPRINKLER HEADS.

FP10. REFER TO SPECIFICATIONS FOR THE TYPE OF SPRINKLER HEAD IN FINISHED CEILING, T-BAR CEILING, ETC




1 M301 MECHANICAL HVAC & FIRE PROTECTION - NEW WORK
SCALE: 1/4" = 1'-0"

| NO. | DATE | ISSUED |
|---|---|---|
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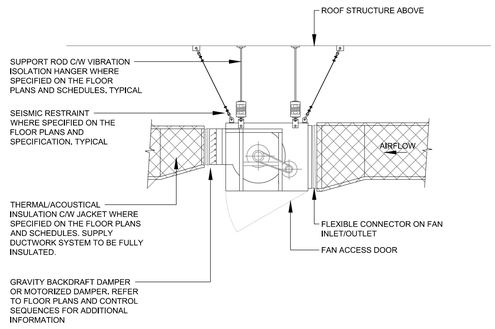
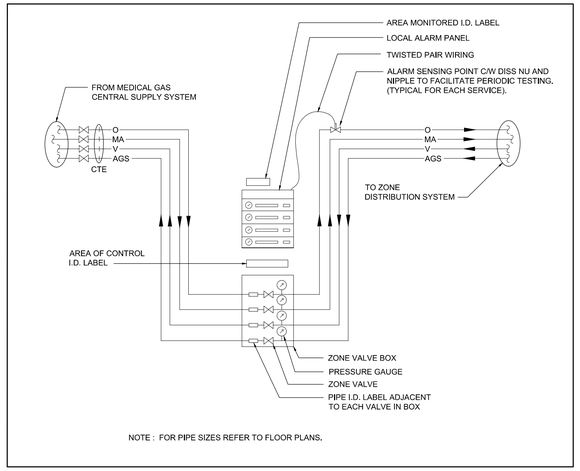
MECHANICAL HVAC & FIRE PROTECTION - NEW WORK

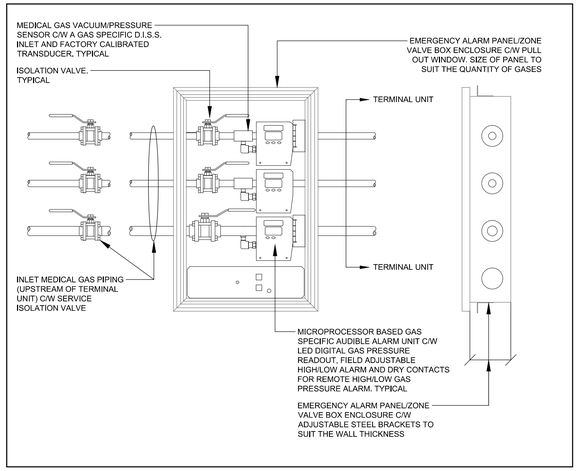
| | |
|---|---|
| ENTERED: | TZ |
| CHECKED: | MM |
| DATE: | 2025/12/09 |
| PROJECT NO. | HC-24-173 |
| DRAWING NO. | M301 |




9 23 34 00.10 CENTRIFUGAL INLINE FAN
SCALE: N.T.S

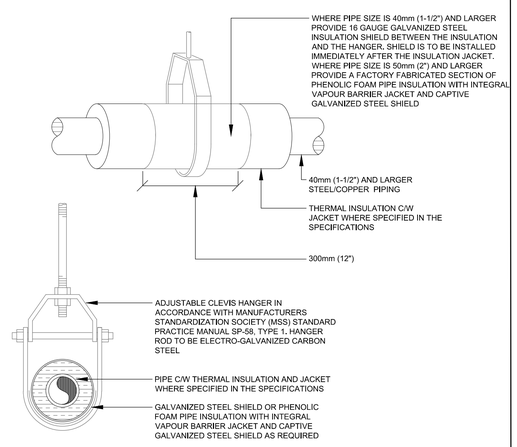



8 MED GAS ALARM PANEL/ZONE VALVE FLOW DIAGRAM
SCALE: N.T.S

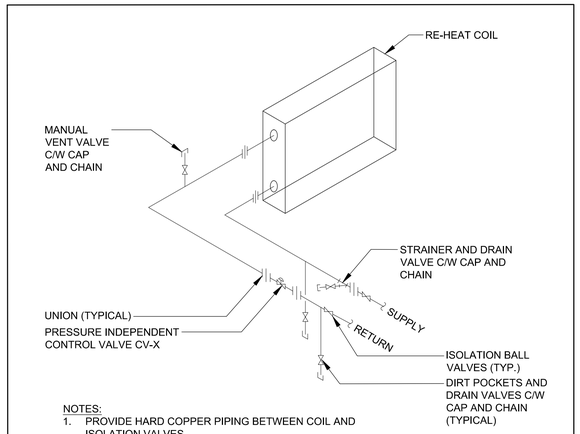



7 MEDICAL GAS ALARM PANEL/ZONE VALVE BOX DETAIL
SCALE: N.T.S

23 75 00.09

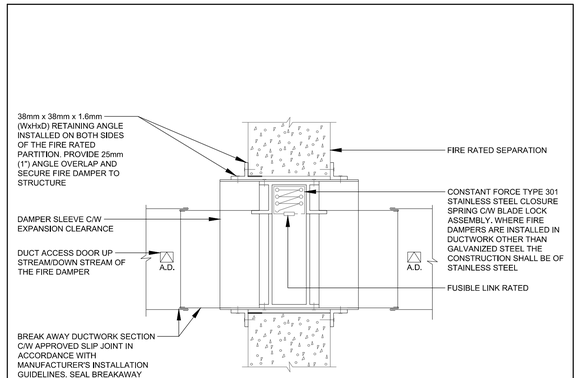



6 PIPING HANGERS AND SUPPORTS
SCALE: N.T.S.

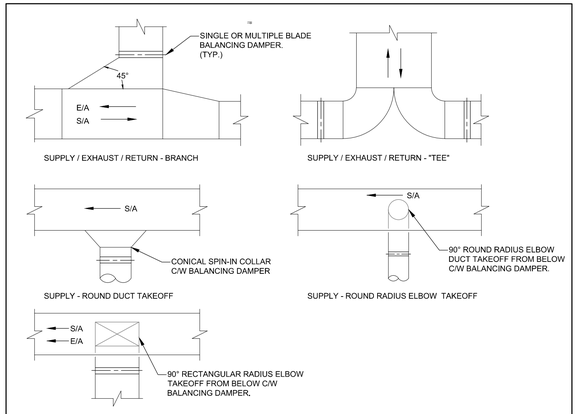



NOTES:
1. PROVIDE HARD COPPER PIPING BETWEEN COIL AND ISOLATION VALVES.
2. CLEAR STRAINER ONCE PIPING IS FILLED AND ACTIVELY FLOWING FOR 24hrs.
3. PROVIDE PIPE SUPPORTS.

5 BOOSTER COIL VALVING DETAIL
SCALE: N.T.S

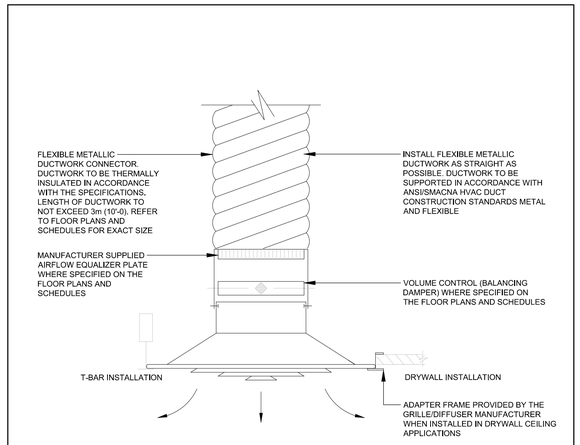



4 FUSIBLE LINK DAMPER DETAIL
SCALE: N.T.S

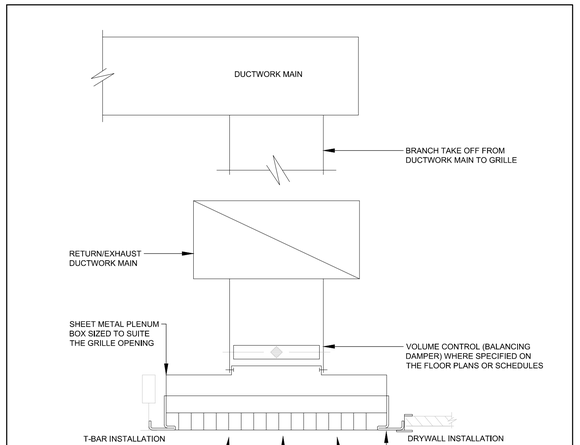



NOTES:
1. BALANCING DAMPERS SHALL BE PER SMACNA STANDARDS AND PROVIDED WITH LOCKING DEVICES.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. PROVIDE TURNING VANES WHERE SHOWN ON THE DRAWINGS.

3 DETAIL OF DUCTWORK FITTINGS AND TAKEOFFS
SCALE: N.T.S




2 CEILING MOUNTED SUPPLY DIFFUSER DETAIL
SCALE: N.T.S




1 CEILING MOUNTED GRILLE DETAIL
SCALE: N.T.S

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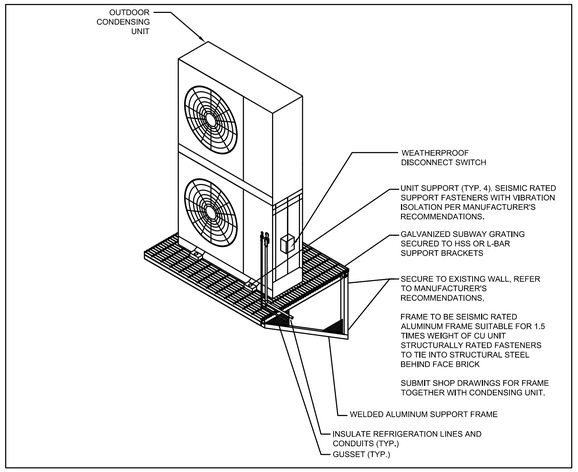
PROJECT NORTH
TRUE NORTH

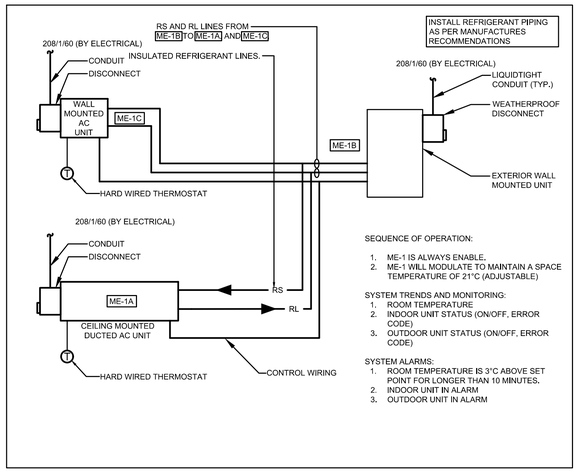
MECHANICAL DETAILS
1 OF 2

ENTERED: TZ
CHECKED: MM
DATE: 2025/12/09
PROJECT NO.
HC-24-173

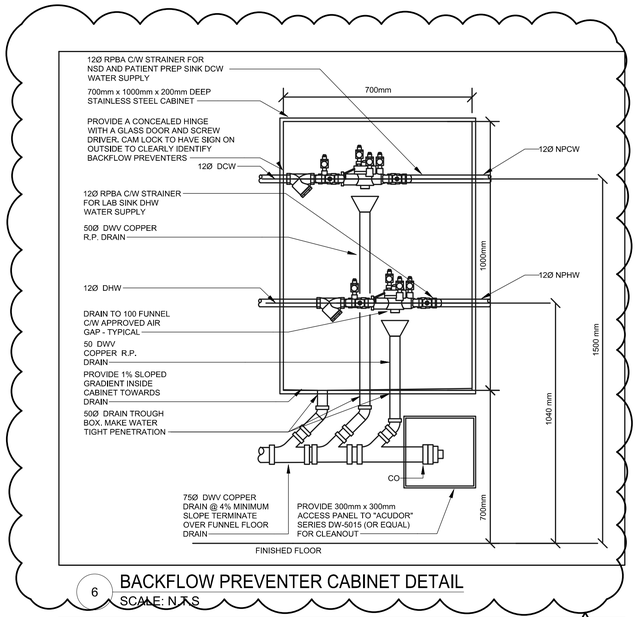
DRAWING NO.
M400



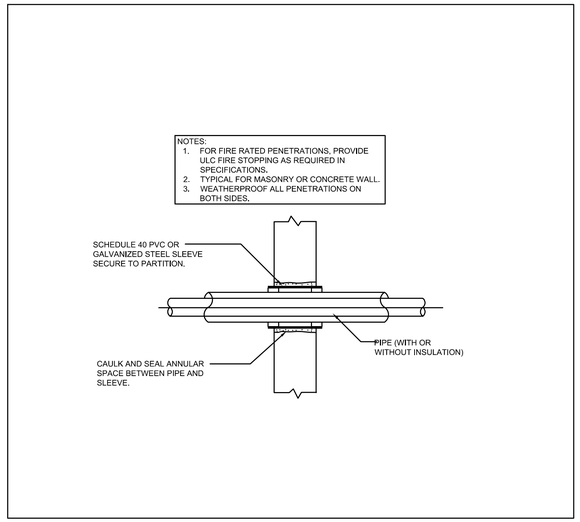

8 WALL MOUNTED CONDENSER UNIT INSTALLATION DETAIL.
SCALE: N.T.S



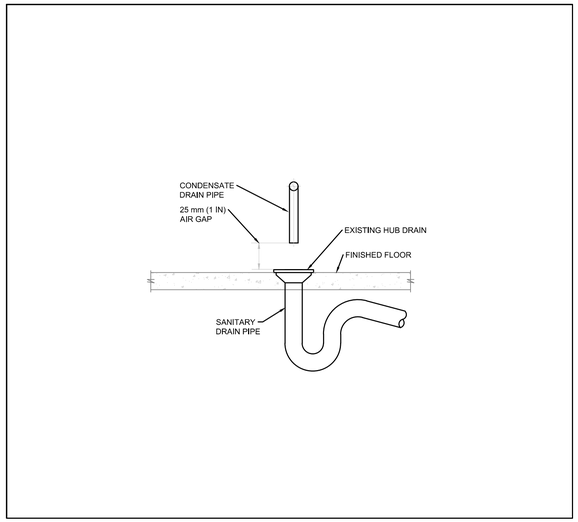

7 DX COOLING INSTALLATION SCHEMATIC
SCALE: N.T.S



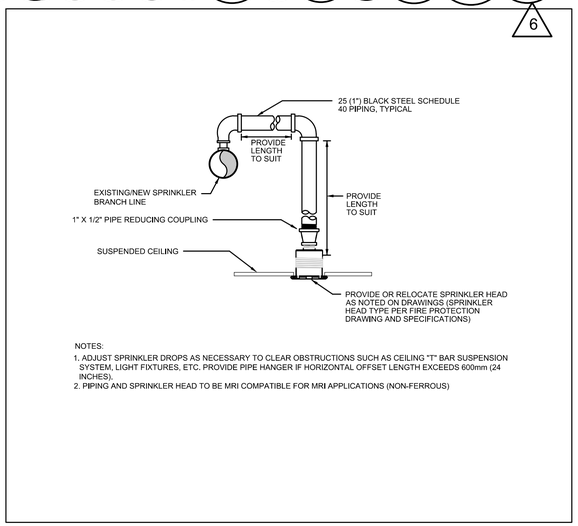

6 BACKFLOW PREVENTER CABINET DETAIL
SCALE: N.T.S



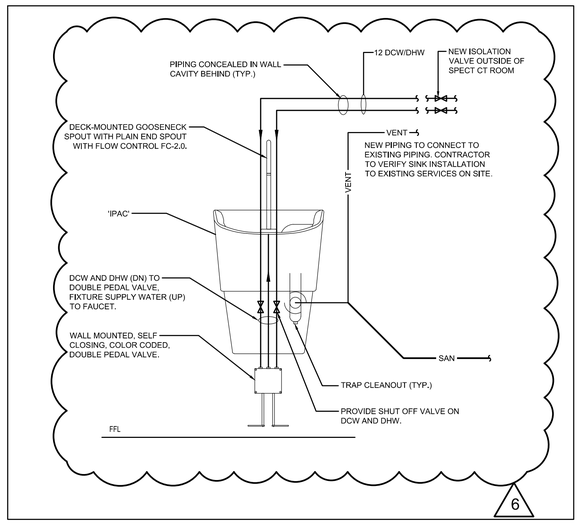

5 PIPE PENETRATING THRU FLOOR/WALL DETAIL
SCALE: N.T.S




4 CONDENSATE DRAIN AIR GAP AND CONNECTION DETAIL
SCALE: N.T.S

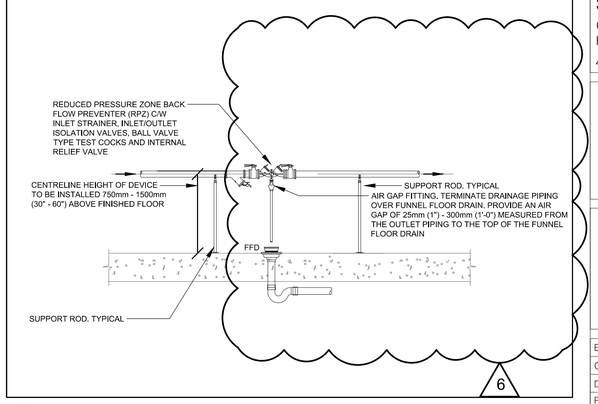



3 TYPICAL NEW SPRINKLER HEAD DROP
SCALE: N.T.S




2 HAND HYGIENE SINK (IPAC) INSTALL DETAIL
SCALE: N.T.S

| REQUIRED CLEARANCES FOR REDUCED PRESSURE ZONE ASSEMBLY | | | | | |
|---|---|---|---|---|---|
| CENTRELINE HEIGHT ABOVE FLOOR | | MINIMUM CLEARANCE (mm) | | | |
| MINIMUM (mm) | MAXIMUM (mm) | RELIEF VALVE TO FLOOR | ABOVE DEVICE | IN FRONT | BEHIND |
| 750 | 1500 | 300 | 300 | 750 | 20 |




1 REDUCED PRESSURE ZONE ASSEMBLY
SCALE: N.T.S

| NO. | DATE | ISSUED |
|---|---|---|
| 06 | 2026/02/04 | ADDENDUM 2 |
| 05 | 2026/01/30 | ADDENDUM 1 |
| 04 | 2026/01/06 | ISSUED FOR TENDER |
| 03 | 2025/12/09 | ISSUED FOR PERMIT |
| 02 | 2025/10/15 | ISSUED FOR 50% CD |
| 01 | 2025/06/17 | ISSUED FOR 100% DD |

NOTES

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ARCHITECT:
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688 Richmond St W, Suite 303 Toronto ON M6J 1C5 | 416 977 6300

MECHANICAL AND ELECTRICAL ENGINEERING:
QUASAR
250 Rowntree Dairy Road Woodbridge, ON L4L 9J7

CLIENT:
COLLINGWOOD G&M HOSPITAL

NUCLEAR MEDICINE SPECT/CT CAMERA
COLLINGWOOD GENERAL AND MARINE HOSPITAL
459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH
TRUE NORTH

MECHANICAL DETAILS
2 OF 2

ENTERED: TZ
CHECKED: MM
DATE: 2025/12/09
PROJECT NO.
HC-24-173

DRAWING NO.
M401

# EXHAUST FAN SCHEDULE

| UNIT TAG | MANUFACTURER | MODEL | LOCATION | SERVICE | QTY | AIRFLOW (L/s) | E.S.P. (IN.W.C.) | FAN (RPM) | FAN (BHP) | ACOUSTIC PERFORMANCE | ELECTRICAL | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | SOUND PRESSURE (DBA) (INLET/OUTLET) | FLA (A) | MOTOR (HP) | MOTOR (RPM) | V/PH/HZ | TYPE | EMERGENCY POWER | |
| EF-1 | GREENHECK | SQ-95-VG | SPECT CT ROOM | WAITING / WASHROOM / NSD | 1 | 172.3 | 0.3 | 1191 | 0.24 | 49/61 | 2.8 | 1/6 | 1191 | 120/1/60 | DIRECT DRIVE | YES | 1,2,3,4 |

NOTES:
1. FAN MOTOR TO BE ALUMINUM CONSTRUCTION, COMPLETE WITH ALUMINUM BACK DRAFT DAMPER ON OUTLET.
2. FAN MOTOR TO DIRECT DRIVE COMPLETE WITH VARIABLE SPEED CONTROLLER
3. EXHAUST FAN IS TO BE COMPLETE WITH FOUR (4) SPRING ISOLATORS SIZED FOR 50mm DEFLECTION. SUITABLE FOR INSTALLATION ON BASE MOUNTED UNISTRUT. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION AND COORDINATE PROVISIONS WITH MECHANICAL CONTRACTOR.
4. FAN DIMENSIONS (INCHES): DUCT INLET W X H = 11,875 X 11,875, DUCT OUTLET W X H = 11,875 X 11,875, FAN OVERALL DIMENSIONS H X W X L = 15 X 15 X 16, WEIGHT 35 LBS

# CAV BOX SCHEDULE

| VALVE NO. | SERVING AREA/ROOM | LOCATION | MODEL | UNIT SIZE | DESIGN AIRFLOW CFM | MIN. AIRFLOW CFM | MAX. AIRFLOW CFM | MAX. APD inWG | REHEAT COIL | | | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CAPACITY MBH | EAT °F | LAT °F | EWT °F | LWT °F | FLOW GPM | WPD ftWG | FLUID TYPE | |
| CAV-1 | SPECT C, CONTROL ROOM, NSD | SUB WAITING | EH PRICE - SDV | 8 | 780 | 300 | 1227 | | | | | 150 | 130 | | | WATER | 1, 2, 3, 4 |
| CAV-2 | SUB WAITING | SUB WAITING | EH PRICE - SDV | 7 | 320 | 95 | 800 | | | | | 150 | 130 | | | WATER | 1, 2, 3, 4 |
| CAV-3 | COLD WAITING, BMD, CHANGE ROOM | COLD WAITING | EH PRICE - SDV | 7 | 420 | 95 | 800 | | | | | 150 | 130 | | | WATER | 1, 2, 3, 4 |

NOTE:
1. MAX NC 25 NOISE LEVEL CRITERIA.
2. ALL CAV EQUIPPED WITH 3 FOOT LONG INTEGRAL ATTENUATORS AND FIBER FREE FOAM.
3. CAV BOX SHALL BE BALANCED TO AIR FLOW RATE INDICATED ON THE DRAWINGS.
4. CAV BOX SHALL BE BY BASE BUILDING CONTROLS CONTRACTOR. CONTROLLER HANDING ARRANGEMENT SHALL BE CONFIRMED ON SITE BY THE MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.

# EVAPORATOR SCHEDULE

| UNIT NO. | UNIT NAME | LOCATION | DIM/WEIGHT (mm/kg) HxWxD | AIRFLOW RATE (L/s) | MIN. inWG | UNIT VOLTAGE/PHASE/FREQ. | ELECTRICAL REQUIREMENTS MCA (A) | COOLING CAPACITY (kW) | HEATING CAPACITY (kW) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| ME-1A | MITSUBISHI PEFY-P48NMHU-E2 | SUB WAITING | 380x1250x900 /69 | 441-633 | - | 208/1/60 | 4.16 | 14.07 | - | WALL MOUNTED C/W 7-DAY PROGRAMMABLE THERMOSTAT, GRAVITY CONDENSATE, BAS ADAPTER, BAS TO MONITOR STATUS AND ALARMS. UPGRADE GRAPHICS AT BAS STATION AS REQUIRED. |
| ME-1C | MITSUBISHI PKFY-P12NLMU-E-TH | ELECTRICAL ROOM | 299 x 773 x 237 /11.1 | 77-90-115-140 | - | 208/1/60 | 0.24 | 3.5 | - | WALL MOUNTED C/W 7-DAY PROGRAMMABLE THERMOSTAT, GRAVITY CONDENSATE, BAS ADAPTER, BAS TO MONITOR STATUS AND ALARMS. UPGRADE GRAPHICS AT BAS STATION AS REQUIRED. |

# CONDENSER SCHEDULE

| UNIT NO. | UNIT NAME | LOCATION | DIM/WEIGHT (mm/kg) HxWxD | AIRFLOW RATE (L/s) | ELECTRICAL REQUIREMENTS | | COOLING CAPACITY (kW) | HEATING CAPACITY (kW) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | UNIT VOLTAGE/PHASE/FREQ. | MCA (A) | | | |
| ME-1B | MITSUBISHI PUMY-P60NKMU4 | WALL MOUNTED | 1338x1050x330 /136 | 2302 | 208/1/60 | - | 17.56 | - | CONDENSER UNIT WALL MOUNTED C/W CRANKCASE HEATER AND THERMO EXPANSION VALVE, ULTRA LOW AMBIENT -40°C AND SNOW/WIND GUARDS. SECURED TO UNISTRUTS. |

# SCHEDULE OF GRILLES & DIFFUSERS

| TYPE | SERVICE | MODEL NO. | MODEL SIZE (MM) | VOLUME CONTROL | FINISH | REMARKS |
|---|---|---|---|---|---|---|
| A1 | CEILING SUPPLY | NAILOR 7500-O-12x12-24x24-SR | AS NOTED | YES | B12 | 1, 2, 3, 4,5 |
| A2 | CEILING SUPPLY | EH PRICE SPD | AS NOTED | YES | B12 | 1, 2, 3, 4 |
| B1 | CEILING RETURN/EXHAUST | EH PRICE 535 | AS NOTED | YES | B12 | 1, 2, 3, 4 |
| C1 | CEILING RETURN/EXHAUST | EH PRICE 535 | AS NOTED | YES | B12 | 1, 2, 3, 4 |
| C2 | CEILING RETURN/EXHAUST | EH PRICE 710ZDSS | 250X250 | YES | STAINLESS STEEL | 1, 2, 3, 6, 7 |

NOTES:
1. ALL DIFFUSER AND GRILLE FRAMES SHALL SUIT CEILING CONSTRUCTION.
2. ALL DAMPERS SHALL BE THE SAME MATERIAL AS THE DIFFUSER OR GRILLE.
3. REFER TO ARCHITECT'S DRAWINGS FOR CEILING CONSTRUCTION.
4. GRILLE AND DIFFUSER COLOUR TO SUIT ARCHITECTURAL DIRECTION.
5. PROVIDE TRANSITION COLLAR FROM SQUARE TO ROUND NECK. NECK SIZE AS SHOWN ON DRAWING.
6. COMPLETE WITH STAINLESS STEEL SQUARE TO ROUND ADAPTER COLLAR.
7. COMPLETE WITH STAINLESS STEEL OPPOSED BLADE DAMPER

| NO. | DATE | ISSUED |
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| 01 | 2025/06/17 | ISSUED FOR 100% DD |

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MECHANICAL AND ELECTRICAL ENGINEERING:
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CLIENT:
COLLINGWOOD G&M HOSPITAL

NUCLEAR MEDICINE
SPECT/CT CAMERA
COLLINGWOOD GENERAL AND MARINE HOSPITAL
459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH
TRUE NORTH

MECHANICAL SCHEDULES

ENTERED: TZ
CHECKED: MM
DATE: 2025/12/09
PROJECT NO.
HC-24-173

DRAWING NO.
M500

| | | | |
|---|---|---|---|
| **Project Name:** | CGMH Multiple Space Initiatives | **Date Issued:** | February 4, 2026 |
| **Quasar Project #:** | HC-24-173 | | |

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| | |
|---|---|
| **Addendum #:** | 2 |
| **Revision #:** | 0 |

This Addendum forms part of the Contract Specifications and Drawings, and modifies the Bidding Documents, with Amendments and Additions noted below. This Addendum shall be added to the front of the specifications as issued. Bidders shall acknowledge receipt of this Addendum in the space provided in the Bid Form and include in bid amount.

**Changes to Drawings:**

1. **Drawing E-001 – Electrical Drawing List and Legend**
   - Typo corrected.
2. **Drawing E-100 – Electrical Key Plan**
   - Updated print.
3. **Drawing E-202 – LIGHTING - DEMO WORK**
   - Updated Tag.
4. **Drawing E-202 – LIGHTING - NEW WORK**
   - Included downlight to Barrier Free Washroom to match architecture rcp.
   - Added 3 under cabinet task lighting (W1) to Control Room, Patient Prep Room, and NSD Room.
   - Specified lighting fixture type: L3.
5. **Drawing E-301 – POWER & SYSTEM - DEMO**
   - Included 1 receptacle, 1 emergency receptacle, and 1 data receptacle to be RR.
6. **Drawing E-302 – POWER & SYSTEM - NEW**
   - Included 1 receptacle, 1 emergency receptacle, and 1 data receptacle to be ER.
   - Added a ground bar to Electrical Room.
   - Added a ground bar to SPECT/CT Room.
   - Added 1 receptacle to SPECT/CT Room into millwork for cabinet warmer.
   - Showed Card Reader in Patient Prep Room
   - Added 1 receptacle and 1 counter height receptacle to NSD Room.
   - Moved 2 receptacles to avoid surface mount on block.

- Moved PB-1.
- Specified power for all receptacles and direct connections.
- Added a direct connection to supply power to TSP
- Added more detail in the electrical room layout.
- Added updated sheet key notes and electrical notes
- Modification to circuit

7. **Drawing E-700 – ELECTRICAL DETAILS 1 OF 3**

   - Modification and clarification made on SLD as clouded.

8. **Drawing E-800 – ELECTRICAL DETAILS 1 OF 3**

   - Edited note for E-800-2: CCTV – DETAIL (FOR REFERENCE ONLY)

9. **Drawing E-801 – ELECTRICAL DETAILS 2 OF 3**

   - Added General Electrical Notes (Important!)

10. **Drawing E-802 – ELECTRICAL DETAILS 3 OF 3**

    - Specified transformer pad dimensions to be coordinated in accordance with transformer cut sheet

11. **Drawing E-900 – ELECTRICAL SCHEDULE – DEMO**

    - Specified Feeder Size, Fed From, and Circuit Breaker of EF-1, ME-1A, ME-1B, and ME-1C

12. **Drawing E-902 – ELECTRICAL PANEL SCHEDULE –DEMO WORK**

    - Updated print.

13. **Drawing E-902 – ELECTRICAL PANEL SCHEDULE – NEW WORK**

    - Reflected all changes done to E-302

**Quasar Consulting Group**

Jomuel Estranero, P.Eng.
Electrical Engineer

# ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| **LINETYPES** | |
| | NEW WORK |
| | WORK TO BE DEMOLISHED, OR REMOVED |
| | EXISTING MATERIAL/EQUIPMENT/SERVICES TO REMAIN |
| | FUTURE WORK (NOT IN SCOPE) |
| | EXTENTS OF FIRE ALARM ZONE, WET LOCATION, OR OTHER AREA AS NOTED ON PLANS |
| **ABBREVIATIONS** | |
| E | EXISTING TO REMAIN |
| R | EXISTING TO BE DEMOLISHED/REMOVED |
| ER | EXISTING IN RELOCATED POSITION |
| RR | REMOVE AND RELOCATE |
| C | CEILING MOUNTED CONNECTION |
| W | WALL MOUNTED CONNECTION |
| F | FLOOR MOUNTED CONNECTION |
| ℄ | CENTRE LINE |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| O/C | OVER COUNTER |
| U/C | UNDER CABINET |
| U/F | UNDER RAISED FLOOR |
| CCT | CIRCUIT |
| CTE | CONNECT TO EXISTING |
| AFCI | ARC FAULT CIRCUIT INTERRUPTER |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER |
| GFI | GROUND FAULT INTERRUPTER |
| IG | ISOLATED GROUND |
| TL | TWIST LOCK |
| TR | TAMPER RESISTANT |
| WG | WIRE GUARD |
| WP | WEATHER PROOF |
| EX | EXPLOSION PROOF |
| HZ | HAZARDOUS LOCATION |
| R/I | ROUGH-IN ONLY |
| NIC | NOT IN CONTRACT |
| SIM. | SIMILAR TO |
| TYP. | TYPICAL |
| **ABBREVIATIONS - CODES AND STANDARDS** | |
| OBC | ONTARIO BUILDING CODE |
| OESC | ONTARIO ELECTRICAL SAFETY CODE |
| OFC | ONTARIO FIRE CODE |
| **ABBREVIATIONS - CEILING TYPES** | |
| ACT | ACOUSTIC CEILING TILE (T-BAR) |
| EXP | EXPOSED CEILING |
| GB | GYPSUM BOARD CEILING |
| OWSJ | OPEN WEB STEEL JOISTS |
| PCC | PAINTED OR POPCORN CEILING ON EXPOSED CONCRETE |
| WD | WOOD CEILING |
| **ANNOTATIONS** | |
| CL | CLOSET |
| WR | WASHROOM |
| **PLUMBING** | |
| PTP | ELECTRONIC TRAP PRIMER |
| PSC | PLUMBING SENSOR CONTROL (TOUCHLESS FAUCETS) |
| **HVAC** | |
| | THERMOSTAT OR TEMPERATURE SENSOR |
| T | TIMER CONTROL |
| BBH | ELECTRIC BASEBOARD HEATER (BBH) |
| FFH | FORCED FLOW HEATER |
| ERV | ENERGY RECOVERY VENTILATOR |
| HRU | HEAT RECOVERY UNIT |
| MUA | MAKE-UP AIR UNIT |
| **CONDUIT AND BOXES** | |
| | CONDUIT WITH END BUSHING |
| | CONDUIT UP |
| | CONDUIT DOWN |
| | CONDUIT CONTINUES |
| JB | JUNCTION BOX |
| PB | PULL BOX |
| HH | HAND HOLE |
| **CONNECTIONS TO EQUIPMENT** | |
| DW | DISHWASHER |
| FR | FRIDGE |
| MW | MICROWAVE |
| HD | HAND DRYER. ALLOW UP TO 208V-1PH-20A |
| | 1-PHASE DIRECT CONNECTION OUTLET AS NOTED. |
| | 3-PHASE DIRECT CONNECTION OUTLET AS NOTED. |
| | SYSTEM FURNITURE WALL FEED FOR POWER AND TELECOMMUNICATIONS UNLESS NOTED OTHERWISE. 'C' ADJACENT TO SYMBOL DENOTES CEILING FEED, 'F' ADJACENT TO SYMBOL DENOTES FLOOR FEED. |
| W | ADJACENT TO 3-PHASE DIRECT CONNECTION, DENOTES WALL SYSTEM FURNITURE FEED FOR POWER AND COMMUNICATIONS. |
| | CONNECTION TO SINGLE PHASE MOTOR, HP (KW) AS NOTED. PROVIDE LOCAL DISCONNECT. |
| | THREE PHASE MOTOR, HP (KW) AS NOTED. PROVIDE LOCAL DISCONNECT. |
| **LIGHTING CONTROLS** REFER TO SPECIFICATIONS AND RESPECTIVE SCHEDULES FOR EXACT REQUIREMENTS | |
| | SWITCH OR OTHER USER INTERFACE DEVICE AS DESCRIBED ON LIGHTING CONTROLS SCHEDULE. |
| 3W | 3-WAY SWITCH |
| DIM | ADJACENT TO SWITCH, DENOTES DIMMING SWITCH. |
| K | ADJACENT TO SWITCH, DENOTES KEY SWITCH. |
| T | ADJACENT TO SWITCH, DENOTES COUNTDOWN TIMER SWITCH |
| AT | ADJACENT TO SWITCH, DENOTES ASTRONOMICAL TIMER SWITCH |
| DS | ADJACENT TO SWITCH, DENOTES DOOR SWITCH |
| PIR | PASSIVE INFRARED SENSOR |
| DT | DUAL TECHNOLOGY SENSOR |
| UT | ULTRASONIC SENSOR |
| OS | SENSOR (TYPE UNKNOWN) |

THIS LEGEND IS GENERIC. ALL SYMBOLS LISTED MAY NOT BE APPLICABLE FOR THIS PROJECT. REFER TO FLOOR PLANS TO DETERMINE USED DEVICES AND EQUIPMENT.

# ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| M | ADJACENT TO SWITCH, DENOTES MASTER CONTROL FOR ALL LUMINAIRES IN A ROOM OR SPACE, OR AS NOTED. |
| | WALL MOUNTED SWITCH/OCCUPANCY SENSOR. PIR DENOTES 'PASSIVE INFRARED', DT DENOTES 'DUAL PASSIVE INFRARED/ULTRASONIC', LINE VOLTAGE TO SUIT CONTROLLED CIRCUIT, OR AS NOTED. |
| RP | RELAY PANEL |
| PP | POWER PACK |
| SC | SCENE CONTROLLER. |
| P | PHOTOCELL SENSOR. |
| PC | PHOTOCELL SENSOR, 'PC' DENOTES CLOSED LOOP PHOTOCELL CONTROL. 'PO' DENOTES OPEN LOOP PHOTOCELL CONTROL |
| DT | CEILING MOUNTED OCCUPANCY SENSOR. PIR DENOTES 'PASSIVE INFRARED', UT DENOTES 'ULTRASONIC' (OR MICROPHONIC), DT DENOTES 'DUAL TECHNOLOGY', 'OS' DENOTES UNKNOWN TECHNOLOGY. |
| DT | WALL MOUNTED OCCUPANCY SENSOR. |
| **DISTRIBUTION EQUIPMENT** | |
| | TRANSFORMER, PLAN VIEW |
| | SURFACE MOUNTED LIGHTING AND RECEPTACLE PANELBOARD |
| | RECESSED RECEPTACLE AND LIGHTING PANELBOARD |
| | DISTRIBUTION PANELBOARD |
| | DISCONNECT SWITCH |
| | FUSED DISCONNECT SWITCH |
| C | CONTACTOR |
| | LOOSE STARTER. COORDINATE STARTING CHARACTERISTIC WITH EQUIPMENT REQUIREMENTS. |
| | COMBINATION STARTER. |
| VFD | ADJACENT TO STARTER, DENOTES VARIABLE FREQUENCY DRIVE |
| **POWER RECEPTACLES AND BOXES** | |
| | 120V U-GROUND DUPLEX RECEPTACLE. |
| | 120V U-GROUND DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER TOP OR AS INSTRUCTED ON SITE. |
| | 120V U-GROUND 20A DUPLEX RECEPTACLE. |
| | 120V U-GROUND DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER TOP OR AS INSTRUCTED ON SITE. |
| | 120V U-GROUND DUPLEX RECEPTACLE - AUTOMATICALLY CONTROLLED (ASHRAE 90.1-2013, 8.4.2). |
| | 120V U-GROUND 20A DUPLEX RECEPTACLE - AUTOMATICALLY CONTROLLED (ASHRAE 90.1-2013, 8.4.2). |
| | 120V U-GROUND DUPLEX RECEPTACLE - HALF OF RECEPTACLE AUTOMATICALLY CONTROLLED (ASHRAE 90,1-2013, 8.4.2). |
| | SPLIT RECEPTACLE. IF MANUALLY CONTROLLED, SHOWN CONNECTED TO SWITCH. |
| | SPLIT RECEPTACLE MOUNTED ABOVE COUNTER TOP OR AS INSTRUCTED ON SITE. |
| | 120V U-GROUND QUAD RECEPTACLE. |
| | INDICATES RECEPTACLE COMPLETE WITH ONE TYPE A AND ONE TYPE C USB CHARGING PORTS. |
| | 14-30R RECEPTACLE FOR LAUNDRY DRYER, OR OTHER RECEPTACLE AS NOTED. |
| | 14-50R RECEPTACLE FOR ELECTRIC RANGE, OR OTHER RECEPTACLE AS NOTED. PROVIDE 40A/2P BREAKER TO SUIT. MOUNT AT 130 mm AFF. |
| | SPECIAL RECEPTACLE. VERIFY OUTLET REQUIREMENTS PRIOR TO ROUGH-IN. |
| | SPECIAL RECEPTACLE. VERIFY OUTLET REQUIREMENTS PRIOR TO ROUGH-IN. |
| | FLOOR RECEPTACLE OR RECEPTACLE IN FLOOR BOX (POWER ONLY) |
| | SERVICE POLE. PROVIDE POWER TO JUNCTION BOX IN CEILING SPACE ABOVE, DEVICES ON POLE AS NOTED ON PLANS. |
| FB1 | ADJACENT TO FLOOR RECEPTACLE, DENOTES FLOOR BOX TYPE |
| • | ADJACENT TO RECEPTACLE, DENOTES DEVICE CONNECTED TO EMERGENCY POWER |
| **LIGHTING FIXTURES** SYMBOLS IN ACCORDANCE WITH IES DG-3-00 AND IES HB-10-11 WHERE NOT DETAILED OTHERWISE HERE. REFER TO LIGHTING FIXTURE SCHEDULE FOR FURTHER DETAILS AND EXACT FIXTURE REQUIREMENTS. | |
| | LINEAR LUMINAIRE, SURFACE MOUNTED TO CEILING |
| | LINEAR LUMINAIRE, RECESSED IN CEILING |
| | LINEAR LUMINAIRE, SUSPENDED; PENDANT, CHAIN, STEM, OR AIRCRAFT CABLE HUNG TO SUIT APPLICATION, OR AS NOTED IN SCHEDULE, "X", WHEN USED DENOTES POWER FEED LOCATION. |
| | LINEAR LUMINAIRE, WALL MOUNTED |
| | AS ABOVE, CONNECTED TO EMERGENCY OR NIGHT LIGHTING CIRCUIT AS INDICATED. |
| | ROUND OR SQUARE DOWNLIGHT, RECESSED |
| | RECESSED DOWNLIGHTS, CONNECTED TO EMERGENCY OR NIGHT LIGHT CIRCUIT |
| | ROUND SUSPENDED LUMINAIRE |
| | WALL SCONCE OR OTHER WALL MOUNTED LUMINAIRES. |
| EM | CONNECTED TO EMERGENCY NIGHT LIGHT CIRCUIT (24 HOUR) |
| CE | CONNECTED TO EMERGENCY CIRCUIT, PROVIDE CUL 924 LISTED SHUNT TRIP RELAY OR EQUAL TO PERMIT CONTROL OF LUMINAIRE WITH ZONING BASED ON LOCAL LIGHTING CONTROLS. |
| NL | LUMINAIRE CONNECTED TO NON-EMERGENCY NIGHT LIGHT CIRCUIT (24 HOUR) |
| A, B, Z1, Z2, ETC. | DENOTES ZONING/CIRCUTING ASSIGNMENTS FOR LUMINAIRES AND CONTROLS IN THE SAME SPACE. |
| **EMERGENCY LIGHTING** REFER TO EMERGENCY LIGHTING FIXTURE SCHEDULE FOR EXACT FIXTURE REQUIREMENTS. | |
| | CEILING OR WALL MOUNTED ILLUMINATED EXIT SIGN. SHADED AREA INDICATES ILLUMINATED FACE. PROVIDE DIRECTIONAL ARROWS AS INDICATED ON PLANS. |
| | CEILING OR WALL MOUNTED ILLUMINATED EXIT SIGN. SHADED AREA INDICATES ILLUMINATED FACE. PROVIDE DIRECTIONAL ARROWS AS INDICATED ON PLANS. |
| SL | DENOTES 'SELF-LUMINOUS' EXIT SIGN |
| PL | PHOTOLUMINOUS EXIT SIGN |
| | EMERGENCY LIGHTING BATTERY UNIT, WITH AND WITHOUT HEADS. |
| | ONE, TWO, AND THREE HEAD WALL MOUNTED EMERGENCY LIGHTING REMOTE UNITS. |

THIS LEGEND IS GENERIC. ALL SYMBOLS LISTED MAY NOT BE APPLICABLE FOR THIS PROJECT. REFER TO FLOOR PLANS TO DETERMINE USED DEVICES AND EQUIPMENT.

# ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | ONE, TWO, AND THREE HEAD CEILING MOUNTED EMERGENCY LIGHTING REMOTE UNITS. |
| | RECESSED EMERGENCY REMOTE HEAD. |
| EM | DENOTES "EMERGENCY" |
| CCT | CORRELATED COLOUR TEMPERATURE |
| CRI | COLOUR RENDERING INDEX |
| **EXTERIOR LIGHTING** | |
| | ARM MOUNTED LUMINAIRE ON POLE, DIRECTIONAL ARROW, WHERE INDICATED DENOTES PRIMARY LUMEN ORIENTATION. |
| | POST TOP LUMINAIRE ON POLE, DIRECTIONAL ARROW, WHERE INDICATED DENOTES PRIMARY LUMEN ORIENTATION. |
| | LIGHTING BOLLARD, DIRECTIONAL ARROW, WHERE INDICATED DENOTES PRIMARY LUMEN ORIENTATION. |
| | GROUND MOUNTED FLOOD LIGHT |
| **TELECOMMUNICATIONS** | |
| | SYSTEM FURNITURE FEED. |
| W | ADJACENT TO SYSTEM FURNITURE FEED, DENOTES WALL SYSTEM FURNITURE FEED FOR COMMUNICATIONS. |
| F | ADJACENT TO SYSTEM FURNITURE FEED, DENOTES FLOOR SYSTEM FURNITURE FEED FOR COMMUNICATIONS. |
| C | ADJACENT TO SYSTEM FURNITURE FEED, DENOTES CEILING SYSTEM FURNITURE FEED FOR COMMUNICATIONS (SERVICE POLE OR DROP CORD AS NOTED). |
| | CABLE TRAY (LADDER TYPE) |
| | CABLE TRAY (BASKET TYPE) |
| | WALL MOUNTED DATA (D) OR VOICE (V) OUTLET. PROVIDE 1V AND 1D UNLESS NOTED OTHERWISE. |
| | WALL MOUNTED VOICE (TELEPHONE) OUTLET. PROVIDE 1V UNLESS NOTED OTHERWISE. |
| | WALL MOUNTED DATA OUTLET. PROVIDE 1D UNLESS NOTED OTHERWISE. |
| | WALL MOUNTED TELEVISION OUTLET. |
| | VOICE, DATA, OR TV OUTLET AS DESCRIBED ABOVE, MOUNTED ABOVE COUNTER TOP OR AS INSTRUCTED ON SITE. |
| B | ADJACENT TO COMMUNICATIONS OUTLET, INDICATES BLANK-OFF PLATE. |
| HDMI | HDMI OUTLET. |
| AV | AUDIO VIDEO GANG, AS NOTED. |
| WAP | CEILING MOUNTED WIRELESS ACCESS POINT (WIFI) |
| S | AUDIO VISUAL SYSTEM SPEAKER, CEILING MOUNTED. |
| S | AUDIO/VISUAL SYSTEM SPEAKER, WALL MOUNTED. |
| PA | PUBLIC ADDRESS SYSTEM SPEAKER, CEILING MOUNTED. |
| PA | PUBLIC ADDRESS SYSTEM SPEAKER, WALL MOUNTED. |
| | PUBLIC ADDRESS HORN SPEAKER WALL MOUNTED. |
| HS | PUBLIC ADDRESS SYSTEM HANDSET |
| ACC | PUBLIC ADDRESS SYSTEM ADMIN CONTROL CONSOLE |
| VOL | PUBLIC ADDRESS SPEAKER VOLUME CONTROL SWITCH. |
| | INTERCOM |
| IDS | VIDEO INTERCOM SYSTEM DOOR CALL STATION |
| IMS | VIDEO INTERCOM SYSTEM MASTER STATION |
| IDC | INSULATION DISPLACEMENT CONNECTION |
| | CLOCK. |
| MTX | GPS CLOCK SYSTEM MASTER TRANSMITTER |
| RX | GPS CLOCK SYSTEM GPS RECEIVER |
| RTX | GPS CLOCK SYSTEM SATELLITE TRANSMITTER (REPEATER) |
| RX | GPS CLOCK SYSTEM RECEIVER SWITCH |
| **ACCESS CONTROL AND DOOR HARDWARE** | |
| CR | CARD READER |
| DA | DOOR ALARM SOUNDER |
| DC | DOOR CONTACT |
| OHC | OVERHEAD DOOR CONTACT |
| EL | ELECTRIC LATCH |
| ES | ELECTRIC STRIKE |
| PT | ELECTRIC POWER TRANSFER CABLE |
| PTH | POWER TRANSFER HINGE |
| KS | KEY SWITCH |
| ML | ELECTROMAGNETIC LOCK |
| MLR | MOTORIZED LATCH RETRACTION. PROVIDE 120 V. |
| REX | REQUEST TO EXIT SENSOR |
| | MUSHROOM HEAD PUSH BUTTON FOR 'REQUEST TO EXIT' MAGLOCK RELEASE, OR OTHER PUSH BUTTON AS INDICATED |
| DR | DOOR RELEASE ADJACENT TO THE ABOVE, PUSHBUTTON INTEGRATED WITH ELECTRIFIED DOOR HARDWARE DEVICE. |
| | BARRIER FREE DOOR OPERATOR PUSH BUTTON |
| WS | TOUCHLESS "WAVE SWITCH" FOR DOOR OPERATOR CONTROL |
| | DOOR BELL C/W SOUNDER AND STROBE |
| | DOOR BELL (SOUNDER ONLY) |
| **INTRUSION DETECTION** | |
| | GLASS BREAK (GB) |
| MD | MOTION DETECTOR (MD) |
| KP | KEYPAD (KP) |
| **VIDEO SURVEILLANCE** | |
| | CCTV CAMERA |
| C/P | CCTV CAMERA, CEILING OR POLE MOUNTED |
| | CCTV CAMERA, WALL MOUNTED |
| PTZ | PAN-TILT-ZOOM |
| **DURESS SYSTEM** | |
| DB | DURESS BUTTON (MOUNTED ON UNDERSIDE OF TABLETOP) |
| DB-W | WALL MOUNTED DURESS BUTTON WITH POLYCARBONATE ANTI-TAMPER COVER |
| DB | DURESS SYSTEM STROBE LIGHT |
| **FIRE DETECTION AND ALARM - GENERAL** | |
| CACF | CENTRAL ALARM AND CONTROL FACILITY |
| FACP | FIRE ALARM CONTROL PANEL |
| FAAP | FIRE ALARM ANNUNICIATOR PANEL |
| FAAG | FIRE ALARM ACTIVE ANNUNCIATOR C/W GRAPHIC |
| FAPG | FIRE ALARM PASSIVE GRAPHIC |
| DGP | DATA GATHERING PANEL |
| FAMP | FIRE ALARM ULC MONITORING PANEL |

THIS LEGEND IS GENERIC. ALL SYMBOLS LISTED MAY NOT BE APPLICABLE FOR THIS PROJECT. REFER TO FLOOR PLANS TO DETERMINE USED DEVICES AND EQUIPMENT.

# ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| FAZ | FIRE ALARM ZONE |
| FSZ | FIRE ALARM SUPERVISORY ZONE |
| FDSPCP | FIRE DETECTION, SUPPRESSION, AND PRE-ACTION CONTROL PANEL |
| FDSCP | FIRE DETECTION AND SUPPRESSION CONTROL PANEL |
| | FIRE ALARM PANEL (FACP, FAAP, FAMP) AS DENOTED ON PLANS. |
| **FIRE DETECTION - INITIATION DEVICES** | |
| | MANUAL PULL STATION (MPS) |
| LX | WHERE NOTED ADJACENT TO MANUAL PULL STATIONS, DENOTES PULL STATION C/W POLYCARBONATE (LEXAN) COVER. |
| WG | WHERE NOTED ADJACENT TO MANUAL PULL STATIONS, DENOTES PULL STATION C/W WIRE GUARD COVER. |
| A | WHERE NOTED ADJACENT TO MANUAL PULL STATIONS OR DETECTOR, DENOTES DEVICE C/W AUXILIARY CONTACT. |
| | PHOTOELECTRIC SMOKE DETECTOR |
| H | SAME AS ABOVE, WALL MOUNTED |
| SA | WHEN ADJACENT TO PHOTOELECTRIC SMOKE DETECTOR, INDICATES RESIDENTIAL SMOKE ALARM |
| | RESIDENTIAL SMOKE ALARM, 120 VOLT, COMPLETE WITH STROBE AND INTEGRAL CARBON MONOXIDE DETECTION. |
| H | SAME AS ABOVE, WALL MOUNTED |
| | DUCT MOUNTED SMOKE DETECTOR |
| CO | CARBON MONOXIDE DETECTOR |
| VESDA | VERY EARLY SMOKE DETECTING APPARATUS |
| BSDT | BEAM SMOKE DETECTOR TRANSMITTER |
| BSDR | BEAM SMOKE DETECTOR RECEIVER (OR REFLECTOR) |
| ASD | ASPIRATING SMOKE DETECTOR |
| | HEAT DETECTOR - 58 DEGREES C (135 DEGREES F) FIXED TEMPERATURE AND RATE OF RISE, RESTORABLE |
| H | SAME AS ABOVE, WALL MOUNTED |
| HT | ADJACENT TO HEAT DETECTOR, DENOTES "HIGH TEMPERATURE", 94 DEGREES C (200 DEGREES F) OR AS NOTED ON PLANS. |
| LHD | ADJACENT TO HEAT DETECTOR SYMBOL, DENOTES "LINEAR HEAT DETECTION CABLE". |
| | HEAT DETECTOR - 58 DEGREES C (135 DEGREES F) FIXED TEMPERATURE, NON-RESTORABLE |
| | HEAT DETECTOR - 94 DEGREES C (200 DEGREES F) FIXED TEMPERATURE, NON-RESTORABLE |
| | LINEAR HEAT DETECTION CABLE |
| FS | FLOW SWITCH |
| **FIRE DETECTION AND ALARM - SUPERVISORY DEVICES** | |
| LL | LOW TANK LEVEL |
| LP | LOSS OF POWER |
| LT | LOW TEMPERATURE |
| PS | PRESSURE SWITCH |
| SV | SUPERVISED VALVE |
| MCR | FIRE ALARM MONITORING POINT, REFER TO FLOOR PLANS FOR DETAILS. |
| **FIRE DETECTION AND ALARM - SIGNALLING DEVICES** | |
| | FIRE ALARM BELL, WALL MOUNTED. |
| C | ADJACENT TO BELL OR HORN, DENOTES CEILING MOUNTED. |
| | FIRE ALARM HORN |
| M | ADJACENT TO FIRE ALARM HORN, DENOTES 'MINI' HORN |
| | FIRE ALARM HORN/STROBE, WALL MOUNTED. |
| | FIRE ALARM EVACUATION SPEAKER, CEILING MOUNTED |
| | FIRE ALARM EVACUATION SPEAKER, COMPLETE WITH STROBE LIGHT, CEILING MOUNTED |
| H | FIRE ALARM EVACUATION SPEAKER, WALL MOUNTED |
| H | FIRE ALARM EVACUATION SPEAKER COMPLETE WITH STROBE LIGHT, WALL MOUNTED |
| SS | SILENCE SWITCH |
| | FIRE ALARM WALL MOUNTED STROBE LIGHT |
| | FIRE ALARM CEILING MOUNTED STROBE LIGHT |
| **FIRE DETECTION AND ALARM - VOICE COMMUNICATION DEVICES** | |
| FF | EMERGENCY TELEPHONE FOR FIREFIGHTER'S USE |
| **FIRE DETECTION AND ALARM - OTHER DEVICES** | |
| EOL | END OF LINE DEVICE |
| WG | WIRE GUARD |
| DNE | "DO NOT ENTER" SIGN |
| KS | KEY SWITCH FOR FIREFIGHTER CONTROL OF ELEVATOR RECALL, OR AS NOTED |
| IM | ISOLATOR MODULE |
| R | OUTPUT RELAY, FUNCTION AS INDICATED |
| CM | CONTROL MODULE |
| MM | MONITOR MODULE |
| HO | MAGNETIC DOOR HOLDER AND RELEASING DEVICE ("HOLD OPEN") |
| | FIRE SUPPRESSION RELEASING STATION |
| | FIRE SUPPRESSION ABORT STATION |
| **SINGLE LINE DIAGRAM** | |
| | AIR CIRCUIT BREAKER |
| | MOLDED CASE CIRCUIT BREAKER |
| | DISCONNECT (UNFUSED) |
| | DISCONNECT (FUSED) |
| | FUSE |
| | METERING CABINET |
| | BUS DUCT |
| | TRANSFORMER |
| | AUTOMATIC TRANSFER SWITCH |
| | AUTOMATIC TRANSFER SWITCH C/W SINGLE SIDED BYPASS ISOLATION |
| | AUTOMATIC TRANSFER SWITCH C/W DOUBLE SIDED BYPASS ISOLATION |
| ATS | AUTOMATIC TRANSFER SWITCH |

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# ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| C | CONTACTOR |
| DP | DISTRIBUTION PANELBOARD |
| FTL | FEED THROUGH LUGS |
| LP | LIGHTING PANELBOARD |
| MCB | MOBILE CONNECTION BOX |
| MCC | MOTOR CONTROL CENTRE |
| MTS | MANUAL TRANSFER SWITCH |
| RP | RECEPTACLE PANELBOARD |
| SPD | SURGE PROTECTIVE DEVICE |
| STS | STATIC TRANSFER SWITCH |
| SWBD | SWITCHBOARD |
| TX | TRANSFORMER |
| UPS | UNINTERRUPTIBLE POWER SUPPLY |
| **HEALTHCARE POWER** | |
| A | CEILING COLUMN TYPE ISOLATED POWER CENTRE WITH MECHANICAL AND ELECTRICAL SERVICES. 'A' DENOTES TYPE AS SCHEDULED ON DRAWINGS OR SPECIFICATIONS. |
| LIM | LINE ISOLATION MONITORING FOR ISOLATED POWER CENTRES. |
| SIM | SLAVE MODULE FOR ISOLATED POWER CENTRES, TYPES AS SCHEDULED ON DRAWINGS. |
| RAP | REMOTE ALARM PANEL FOR ADJACENT ISOLATED POWER CENTRE. |
| RAS | CENTRALLY LOCATED REMOTE ALARM STATION FOR ISOLATED POWER CENTRES, SEE SCHEDULE. |
| G | GROUND JACK TO FOR ISOLATED POWER SYSTEM |
| GG | DOUBLE GROUND JACK FOR ISOLATED POWER SYSTEM |
| MGA | MEDICAL GAS ALARM PANEL |
| MGC | MEDICAL GAS CONTROL PANEL |
| MSG A | MEDICAL SERVICE COLUMN FOR PATIENT BEDHEAD ARRANGEMENT. 'A' DENOTES TYPE AS SCHEDULED ON THE DRAWINGS OR SPECIFICATIONS. |
| XR | POWER CONNECTION TO X-RAY VIEW BOXES |
| MTX | GPS CLOCK SYSTEM MASTER TRANSMITTER |
| RX | GPS CLOCK SYSTEM GPS RECEIVER |
| RTX | GPS CLOCK SYSTEM SATELLITE TRANSMITTER (REPEATER) |
| RX | GPS CLOCK SYSTEM RECEIVER SWITCH |
| | MONITOR |
| DA | DOCTOR'S DICTATION OUTLET |
| HEALTHCARE LIGHTING | |
| ORL | POWER CONNECTION TO OPERATING ROOM LIGHT |
| EL | POWER CONNECTION TO EXAMINATION LIGHT |
| ORL | POWER OPERATING ROOM LIGHT CONTROL |
| NURSE CALL DEVICES | |
| S | STAFF PRESENCE STATION |
| ID | INFRARED DETECTOR |
| ZL | NURSE CALL DOME LIGHT 'ZL', WHERE SHOWN DENOTES CORRIDOR ZONE LIGHT 'ZLC', WHERE SHOWN DENOTES CORRIDOR ZONE LIGHT C/W CHIME |
| NC1 | SINGLE BED NURSE CALL BED STATION |
| NC2 | DUAL BED NURSE CALL STATION |
| ES1 | NURSE CALL PATIENT WASHROOM EMERGENCY STATION - PULL CORD TYPE |
| ES2 | NURSE CALL EMERGENCY STATION - PULL CORD TYPE |
| ES3 | NURSE CALL EMERGENCY STATION - WATERPROOF PULL CORD TYPE |
| ES4 | NURSE CALL EMERGENCY STATION - PUSH BUTTON TYPE |
| ES5 | NURSE CALL EMERGENCY STATION - WATERPROOF PUSH BUTTON TYPE |
| ES6 | NURSE CALL EMERGENCY STATION - PULL CORD TYPE WITH PRIORITY CALL |
| NMS | NURSE CALL MASTER STATION |
| NSMS | NURSE CALL SUB-MASTER STATION |
| NDS | NURSE CALL DUTY STATION |
| NSS | NURSE CALL STAFF STATION |
| NSR | NURSE CALL STAFF REGISTER |
| NEQ | NURSE CALL EQUIPMENT AND AREA CONTROL UNITS |
| CB | NURSE CALL CODE BLUE STATION |
| CW | NURSE CALL CODE WHITE STATION |
| CP | NURSE CALL CODE PINK STATION |
| CW | NURSE CALL VIOLENT SITUATION WIRELESS (CODE WHITE) INFRARED RECEIVED, CEILING MOUNTED. 'RX', WHERE SHOWN DENOTES RADIO FREQUENCY RECEIVER. |
| PW | PATIENT WANDERING |
| IP | INFANT PROTECTION |
| TA | TELEMETRY ANTENNA |
| EPO | EMERGENCY POWER OFF |
| NCA | NARCOTICS CABINET ALARM ANNUNCIATOR 'DS', WHERE SHOWN INDICATES DOOR SWITCH |
| L | "LASER IN USE" LIGHTING FIXTURE - WALL MOUNTED |
| L | "LASER IN USE" LIGHTING FIXTURE - CEILING MOUNTED |
| XR | "X-RAY IN USE" LIGHTING FIXTURE - WALL MOUNTED |
| XR | "X-RAY IN USE" LIGHTING FIXTURE - WALL MOUNTED |
| **DETAIL REFERENCES** | |
| 1 | SHEET KEYNOTE |
| 1 E101 | REFER TO DETAIL. EXAMPLE SHOWN INDICATES REFERENCE TO DETAIL 1 ON DRAWING E101 |
| 1 | REVISION NUMBER |

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## ELECTRICAL DRAWING LIST

| Sheet Number | SHEET NAME |
|---|---|
| E-001 | ELECTRICAL LEGEND & DRAWING LIST |
| E-100 | ELECTRICAL KEY PLAN |
| E-201 | LIGHTING DEMOLITION WORK |
| E-202 | LIGHTING NEW WORK |
| E-301 | POWER & SYSTEM DEMOLITION |
| E-302 | POWER & SYSTEM NEW WORK |
| E-700 | ELECTRICAL SINGLE LINE DIAGRAM |
| E-800 | ELEC DETAILS 1 OF 3 |
| E-801 | ELEC DETAILS 2 OF 3 |
| E-802 | ELEC DETAILS 3 OF 3 |
| E-900 | ELECTRICAL SCHEDULES |
| E-901 | ELECTRICAL PANEL SCHEDULE - DEMO |
| E-902 | ELECTRICAL PANEL SCHEDULE - NEW |

| NO. | DATE | ISSUED |
|---|---|---|
| 06 | 2026/02/04 | ADDENDUM 2 |
| 05 | 2026/01/30 | ADDENDUM 1 |
| 04 | 2026/01/06 | ISSUED FOR TENDER |
| 03 | 2025/12/09 | ISSUED FOR PERMIT |
| 02 | 2025/10/15 | ISSUED FOR 50% CD |
| 01 | 2025/06/17 | ISSUED FOR 100% DD |

NOTES

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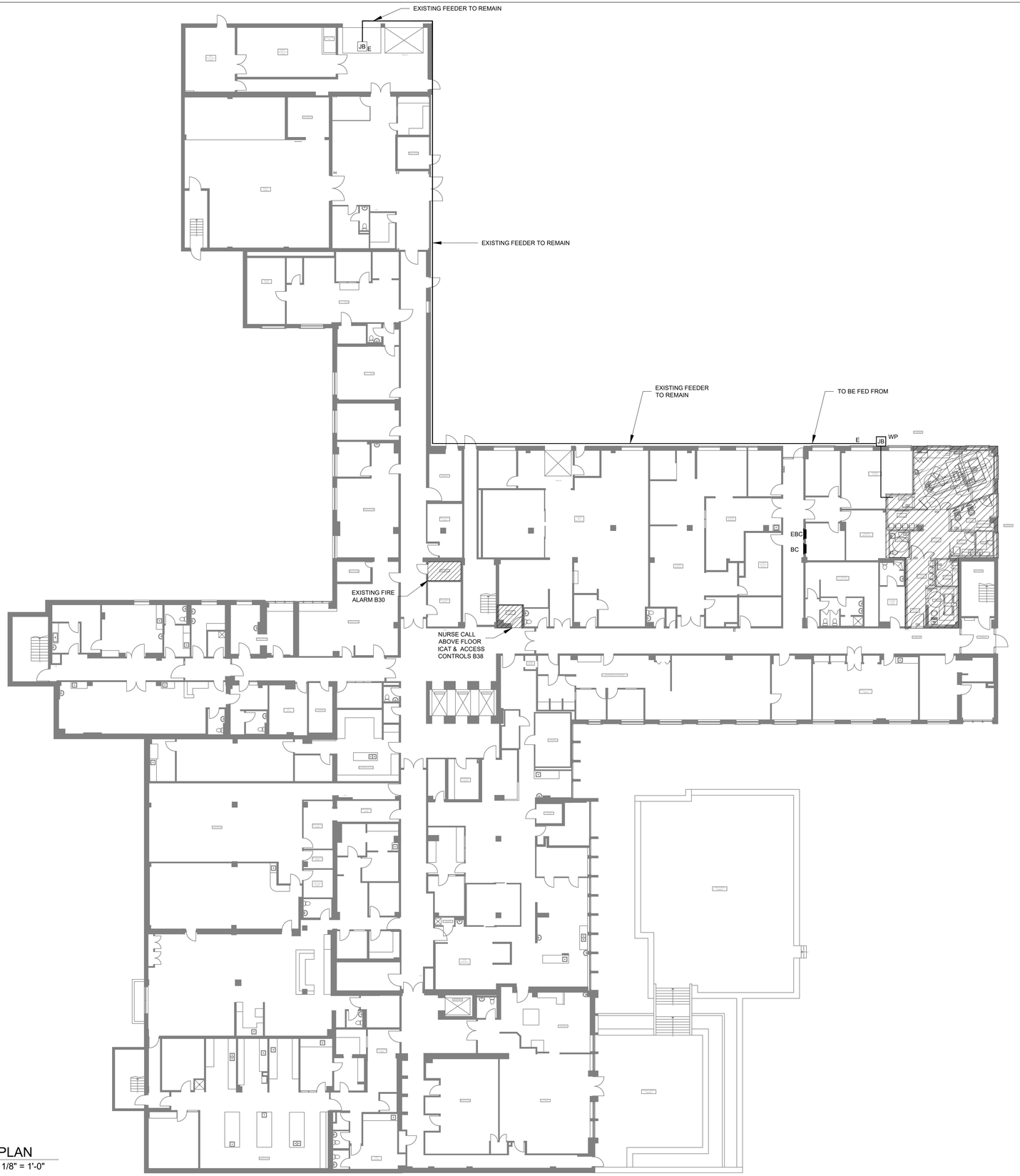
PROJECT NORTH
TRUE NORTH

ELECTRICAL DRAWING LIST AND LEGEND

ENTERED: JM
CHECKED: JE
DATE: 2025/12/09
PROJECT NO. HC-24-173

DRAWING NO. E-001




1 / E100 KEY PLAN
SCALE: 1/8" = 1'-0"

| NO. | DATE | ISSUED |
|---|---|---|
| 06 | 2026/02/04 | ADDENDUM 2 |
| 05 | 2026/01/30 | ADDENDUM 1 |
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CLIENT:
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# NUCLEAR MEDICINE SPECT/CT CAMERA

COLLINGWOOD GENERAL AND MARINE HOSPITAL

459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH

TRUE NORTH

## ELECTRICAL KEY PLAN

ENTERED: JM
CHECKED: JE
DATE: 2025/12/09
PROJECT NO.
HC-24-173

DRAWING NO.
E-100

## GENERAL SHEET NOTES

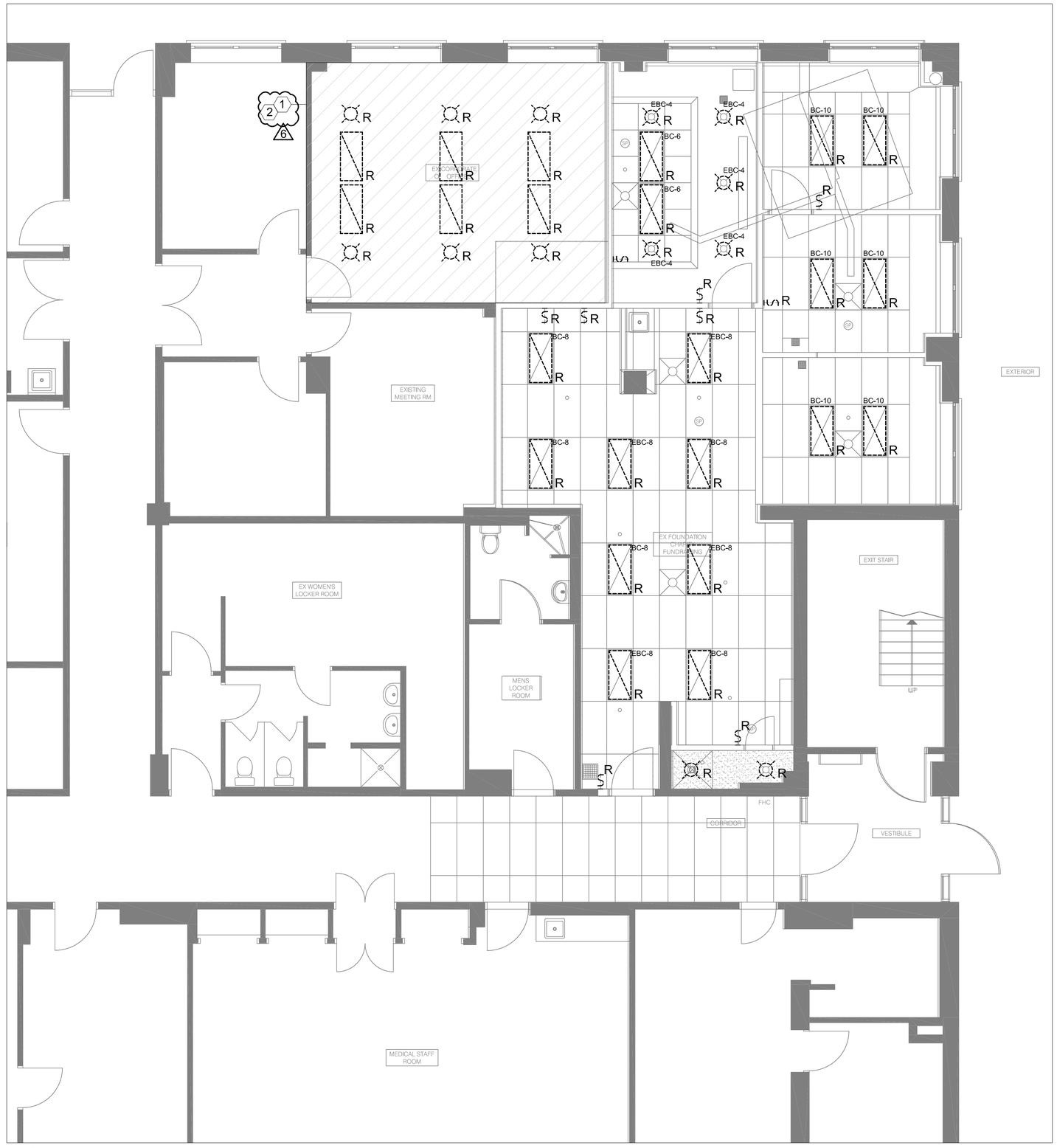
1. IN EVERY INSTANCE WHERE IT IS REQUIRED IN THE SPECIFICATION OR ON DRAWING THAT EQUIPMENT AND MATERIALS BE REMOVED FROM EXISTING LOCATIONS AND RE-INSTALLED, EITHER IN WHOLE OR IN PART IN NEW LOCATIONS, ALL SUCH EQUIPMENT AND MATERIALS SHALL BE THOROUGHLY CLEANED AND WHERE NECESSARY PUT INTO GOOD OPERATING CONDITION BEFORE BEING RE-INSTALLED IN THE NEW LOCATION. TEST ALL PARTS OF THE RE-USED OR RELOCATED ELECTRICAL EQUIPMENT AND CORRECT ALL FAULTS AND GROUNDS.
2. ALL OPENINGS IN BUILDING RISER, IF APPLICABLE, SHALL BE SEALED WITH APPROVED FIRE STOP MATERIAL. ANY FIREPROOFING MATERIAL REMOVED WILL BE REPLACED WITH A SUITABLE AND APPROVED FIREPROOFING MATERIAL AND SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS TO APPLICABLE BUILDING AND FIRE CODES.
3. CONTRACTOR TO CONDUCT OWN SURVEY AND VERIFY EXISTING CONDITIONS.
4. COORDINATE WITH THE CLIENT TO CONFIRM EQUIPMENT OR SYSTEMS/DEVICES TO REMAIN.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REFINISHING OF DAMAGED BUILDING AREAS AND FINISHES AFFECTED BY THE WORK AS OUTLINED UNDER SCOPE OF WORK OF THIS PROJECT.
6. ALL INSTALLATIONS WITHIN EXISTING AREAS SHALL BE COORDINATED WITH OWNER AND BASE BUILDING MANAGEMENT. INSTALLATION MUST BE PERFORMED IN A MANNER TO ELIMINATE ANY INTERFERENCES TO STAFF AND NORMAL OPERATION OF THE FACILITY.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND DISTRIBUTION OF TEMPORARY POWER AND LIGHTING WITHIN THE PREMISES DURING THE CONSTRUCTION PERIOD. EXPOSED ELECTRICAL CORDS OUTSIDE THE AREA OF WORK SHALL NOT BE PERMITTED.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL THE WORK WITH ALL OTHER TRADES, CONSULTANTS, AND THE OWNER. ALL WORK SHALL BE SCHEDULED AND CARRIED OUT BY THE CONTRACTOR IN A MANNER TO ENSURE CONTINUED AND NON-INTERRUPTED OPERATION OF EXISTING FACILITY.
9. CONTRACTOR SHALL IDENTIFY AND LABEL CLEARLY ALL CIRCUITS, WIRING, SERVICES, JUNCTION BOXES, PULLBOXES, DATA DROPS, DEVICES AND EQUIPMENT INSTALLED AND CONNECTED UNDER SCOPE OF WORK OF THIS PROJECT. IDENTIFICATION SHALL BE AS PER OWNER'S REQUIREMENTS AND ALL MARKINGS SHALL BE OF NON-ERASABLE LAMACOID TYPE. COORDINATE ALL LABELING WITH THE OWNER AND CONSULTANT.
10. CONTRACTOR TO ENSURE ANY DAMAGE TO EXISTING ELECTRICAL CONDUIT AND CONNECTION TO BE REPLACED OR FIXED PRIOR TO RE-INSTALLATION.
11. CONTRACTOR TO NOTIFY OWNER OF ANY EXISTING DAMAGES PRIOR TO COMMENCING OF WORK. ALL EXISTING EQUIPMENT AND FIXTURES INSIDE THE AREA OF WORK IS TO BE THOROUGHLY INSPECTED, ANY COMPROMISE TO THE INTEGRITY SHOULD BE MADE KNOWN TO THE OWNER.
12. CONTRACTOR TO TRACK AND CONFIRM LOCATION OF FEEDER AND BREAKER TO SOURCE PRIOR TO DISCONNECTION, AND ENSURE BREAKER IS SECURELY TURNED OFF AND LOCKED.
13. WHEREVER POSSIBLE, REUSE EXISTING CIRCUITS MADE AVAILABLE DURING DEMOLITION PHASE. WHERE NEEDED PROVIDE AND INSTALL NEW COMPATIBLE BREAKERS AND WIRING. CONTRACTOR TO VERIFY AVAILABLE CIRCUITS ON SITE, AS PANEL BOARD SCHEDULES MAY NOT BE UP TO DATE
14.

## DEMOLITION SHEET NOTES

1. COORDINATE ALL DEMOLITION WORK WITH GENERAL CONTRACTOR. REFER TO CONSTRUCTION PHASING SCHEDULE.
2. CONTRACTOR TO VISIT THE SITE DURING THE TENDERING PERIOD TO DETERMINE THE EXACT SCOPE OF DEMOLITION WORK AND TO BECOME THOROUGHLY FAMILIAR WITH ALL CONDITIONS TO MEET IN CARRYING OUT THE SCOPE. REQUEST FOR EXTRAS WILL NOT BE CONSIDERED FOR FAILURE TO PROPERLY EVALUATE CONDITIONS WHICH AFFECT THE SCOPE OF DEMOLITION WORK.
3. IN SOME CASES, GENERAL LOCATIONS AND TYPES OF SOME ELECTRICAL EQUIPMENT AND LIGHT FIXTURES ARE INDICATED IN ORDER TO ASSIST IN EVALUATING SCOPE OF DEMOLITION WORK.
4. ALL EXISTING LIGHTING FIXTURES WITHIN SCOPE OF WORK IS TO BE DEMOLISHED AND REPLACED WITH NEW FIXTURES.
5. KEEP EXISTING CIRCUITS AND FEEDERS FOR DEMOLISHED LIGHTS AND REUSE TO SERVE NEW FIXTURES.
6. ELECTRICAL CONTRACTOR TO PRICE FOR UP TO 5% FOR ADDITIONAL DEVICES THAT MAY NOT BE CAPTURED IN PLAN DUE TO EXISTING SITE CONDITIONS.

## SHEET KEYNOTES

1. WORK IN THIS AREA TO BE DEMOLISHED AND RENOVATED FIRST IN ORDER TO RETURN THE SPACE TO FULL USE AS SOON AS POSSIBLE.
2. RETAIN EXISTING CIRCUITS (CONDUIT AND FEEDER) TO SERVE NEW LIGHTING. ELECTRICAL CONTRACTOR TO PRICE FOR ANY MODIFICATION TO EXISTING CONDUIT AND FEEDER.




1 / E201 LIGHTING - DEMO WORK
SCALE: 1/4" = 1'-0"

| NO. | DATE | ISSUED |
|---|---|---|
| 06 | 2026/02/04 | ADDENDUM 2 |
| 05 | 2026/01/30 | ADDENDUM 1 |
| 04 | 2026/01/06 | ISSUED FOR TENDER |
| 03 | 2025/12/09 | ISSUED FOR PERMIT |
| 02 | 2025/10/15 | ISSUED FOR 50% CD |
| 01 | 2025/06/17 | ISSUED FOR 100% DD |

NOTES

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CLIENT:
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NUCLEAR MEDICINE
SPECT/CT CAMERA
COLLINGWOOD GENERAL AND MARINE HOSPITAL
459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH
TRUE NORTH

LIGHTING - DEMO WORK

ENTERED: JM
CHECKED: JE
DATE: 2025/12/09
PROJECT NO. HC-24-173
DRAWING NO. E201

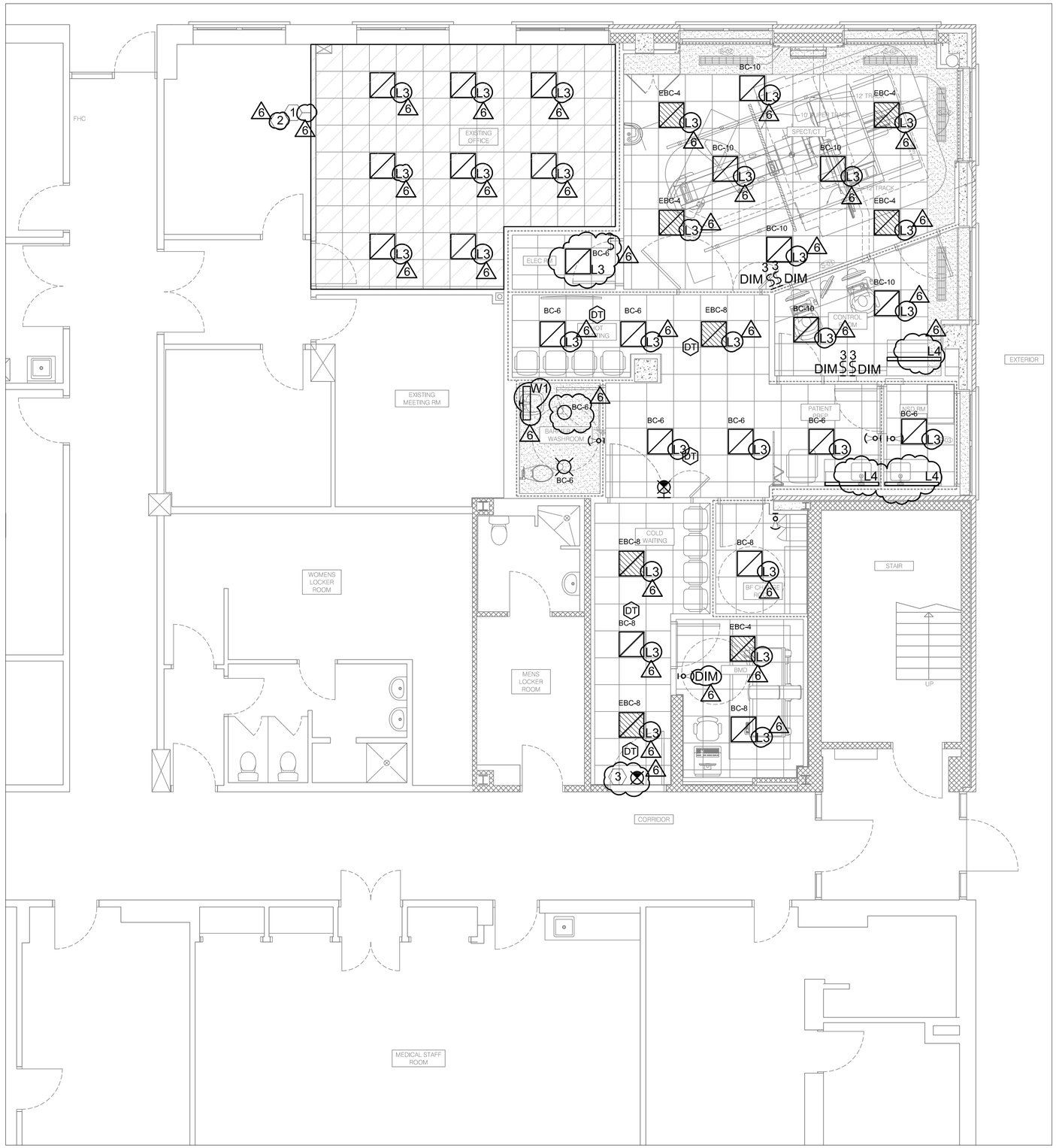
## GENERAL SHEET NOTES

1. IN EVERY INSTANCE WHERE IT IS REQUIRED IN THE SPECIFICATION OR ON DRAWING THAT EQUIPMENT AND MATERIALS BE REMOVED FROM EXISTING LOCATIONS AND RE-INSTALLED, EITHER IN WHOLE OR IN PART IN NEW LOCATIONS, ALL SUCH EQUIPMENT AND MATERIALS SHALL BE THOROUGHLY CLEANED AND WHERE NECESSARY PUT INTO GOOD OPERATING CONDITION BEFORE BEING RE-INSTALLED IN THE NEW LOCATION. TEST ALL PARTS OF THE RE-USED OR RELOCATED ELECTRICAL EQUIPMENT AND CORRECT ALL FAULTS AND GROUNDS.
2. ALL OPENINGS IN BUILDING RISER, IF APPLICABLE, SHALL BE SEALED WITH APPROVED FIRE STOP MATERIAL. ANY FIREPROOFING MATERIAL REMOVED WILL BE REPLACED WITH A SUITABLE AND APPROVED FIREPROOFING MATERIAL AND SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS TO APPLICABLE BUILDING AND FIRE CODES.
3. CONTRACTOR TO CONDUCT OWN SURVEY AND VERIFY EXISTING CONDITIONS.
4. COORDINATE WITH THE CLIENT TO CONFIRM EQUIPMENT OR SYSTEMS/DEVICES TO REMAIN.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REFINISHING OF DAMAGED BUILDING AREAS AND FINISHES AFFECTED BY THE WORK AS OUTLINED UNDER SCOPE OF WORK OF THIS PROJECT.
6. ALL INSTALLATIONS WITHIN EXISTING AREAS SHALL BE COORDINATED WITH OWNER AND BASE BUILDING MANAGEMENT. INSTALLATION MUST BE PERFORMED IN A MANNER TO ELIMINATE ANY INTERFERENCES TO STAFF AND NORMAL OPERATION OF THE FACILITY.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND DISTRIBUTION OF TEMPORARY POWER AND LIGHTING WITHIN THE PREMISES DURING THE CONSTRUCTION PERIOD. EXPOSED ELECTRICAL CORDS OUTSIDE THE AREA OF WORK SHALL NOT BE PERMITTED.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL THE WORK WITH ALL OTHER TRADES, CONSULTANTS, AND THE OWNER. ALL WORK SHALL BE SCHEDULED AND CARRIED OUT BY THE CONTRACTOR IN A MANNER TO ENSURE CONTINUED AND NON-INTERRUPTED OPERATION OF EXISTING FACILITY.
9. CONTRACTOR SHALL IDENTIFY AND LABEL CLEARLY ALL CIRCUITS, WIRING, SERVICES, JUNCTION BOXES, PULLBOXES, DATA DROPS, DEVICES AND EQUIPMENT INSTALLED AND CONNECTED UNDER SCOPE OF WORK OF THIS PROJECT. IDENTIFICATION SHALL BE AS PER OWNER'S REQUIREMENTS AND ALL MARKINGS SHALL BE OF NON-ERASABLE LAMACOID TYPE. COORDINATE ALL LABELING WITH THE OWNER AND CONSULTANT.
10. CONTRACTOR TO ENSURE ANY DAMAGE TO EXISTING ELECTRICAL CONDUIT AND CONNECTION TO BE REPLACED OR FIXED PRIOR TO RE-INSTALLATION.
11. CONTRACTOR TO NOTIFY OWNER OF ANY EXISTING DAMAGES PRIOR TO COMMENCING OF WORK. ALL EXISTING EQUIPMENT AND FIXTURES INSIDE THE AREA OF WORK IS TO BE THOROUGHLY INSPECTED, ANY COMPROMISE TO THE INTEGRITY SHOULD BE MADE KNOWN TO THE OWNER.
12. CONTRACTOR TO TRACK AND CONFIRM LOCATION OF FEEDER AND BREAKER TO SOURCE PRIOR TO DISCONNECTION, AND ENSURE BREAKER IS SECURELY TURNED OFF AND LOCKED.
13. WHEREVER POSSIBLE, REUSE EXISTING CIRCUITS MADE AVAILABLE DURING DEMOLITION PHASE. WHERE NEEDED PROVIDE AND INSTALL NEW COMPATIBLE BREAKERS AND WIRING. CONTRACTOR TO VERIFY AVAILABLE CIRCUITS ON SITE, AS PANEL BOARD SCHEDULES MAY NOT BE UP TO DATE
14.

## SHEET KEYNOTES

1. WORK IN THIS AREA TO BE DEMOLISHED AND RENOVATED FIRST IN ORDER TO RETURN THE SPACE TO FULL USE AS SOON AS POSSIBLE
2. CONNECT EXISTING LIGHTING CIRCUIT BACK TO NEW FIXTURE.
3. EXTEND NEAREST EXIT SIGN CIRCUIT TO THE NEW EXIT SIGN. INCLUDE FOR ALL NECESSARY MODIFICATION AND COORDINATION WITH CGMH.

6




1 E202 LIGHTING - NEW WORK
SCALE: 1/4" = 1'-0"

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CLIENT:
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NUCLEAR MEDICINE
SPECT/CT CAMERA
COLLINGWOOD GENERAL AND MARINE HOSPITAL
459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH
TRUE NORTH

LIGHTING - NEW WORK

ENTERED: JM
CHECKED: JE
DATE: 2025/12/09
PROJECT NO.
HC-24-173

DRAWING NO.
E202

## GENERAL SHEET NOTES

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2. ALL OPENINGS IN BUILDING RISER, IF APPLICABLE, SHALL BE SEALED WITH APPROVED FIRE STOP MATERIAL. ANY FIREPROOFING MATERIAL REMOVED WILL BE REPLACED WITH A SUITABLE AND APPROVED FIREPROOFING MATERIAL AND SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS TO APPLICABLE BUILDING AND FIRE CODES.
3. CONTRACTOR TO CONDUCT OWN SURVEY AND VERIFY EXISTING CONDITIONS.
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14.

## DEMOLITION SHEET NOTES

1. COORDINATE ALL DEMOLITION WORK WITH GENERAL CONTRACTOR. REFER TO CONSTRUCTION PHASING SCHEDULE.
2. CONTRACTOR TO VISIT THE SITE DURING THE TENDERING PERIOD TO DETERMINE THE EXACT SCOPE OF DEMOLITION WORK AND TO BECOME THOROUGHLY FAMILIAR WITH ALL CONDITIONS TO MEET IN CARRYING OUT THE SCOPE. REQUEST FOR EXTRAS WILL NOT BE CONSIDERED FOR FAILURE TO PROPERLY EVALUATE CONDITIONS WHICH AFFECT THE SCOPE OF DEMOLITION WORK.
3. IN SOME CASES, GENERAL LOCATIONS AND TYPES OF SOME ELECTRICAL EQUIPMENT AND LIGHT FIXTURES ARE INDICATED IN ORDER TO ASSIST IN EVALUATING SCOPE OF DEMOLITION WORK.
4. ELECTRICAL CONTRACTOR TO PRICE UP TO 5% FOR ADDITIONAL DEVICES THAT MAY NOT BE CAPTURED IN PLAN DUE TO EXISTING SITE CONDITIONS.

## SHEET KEYNOTES

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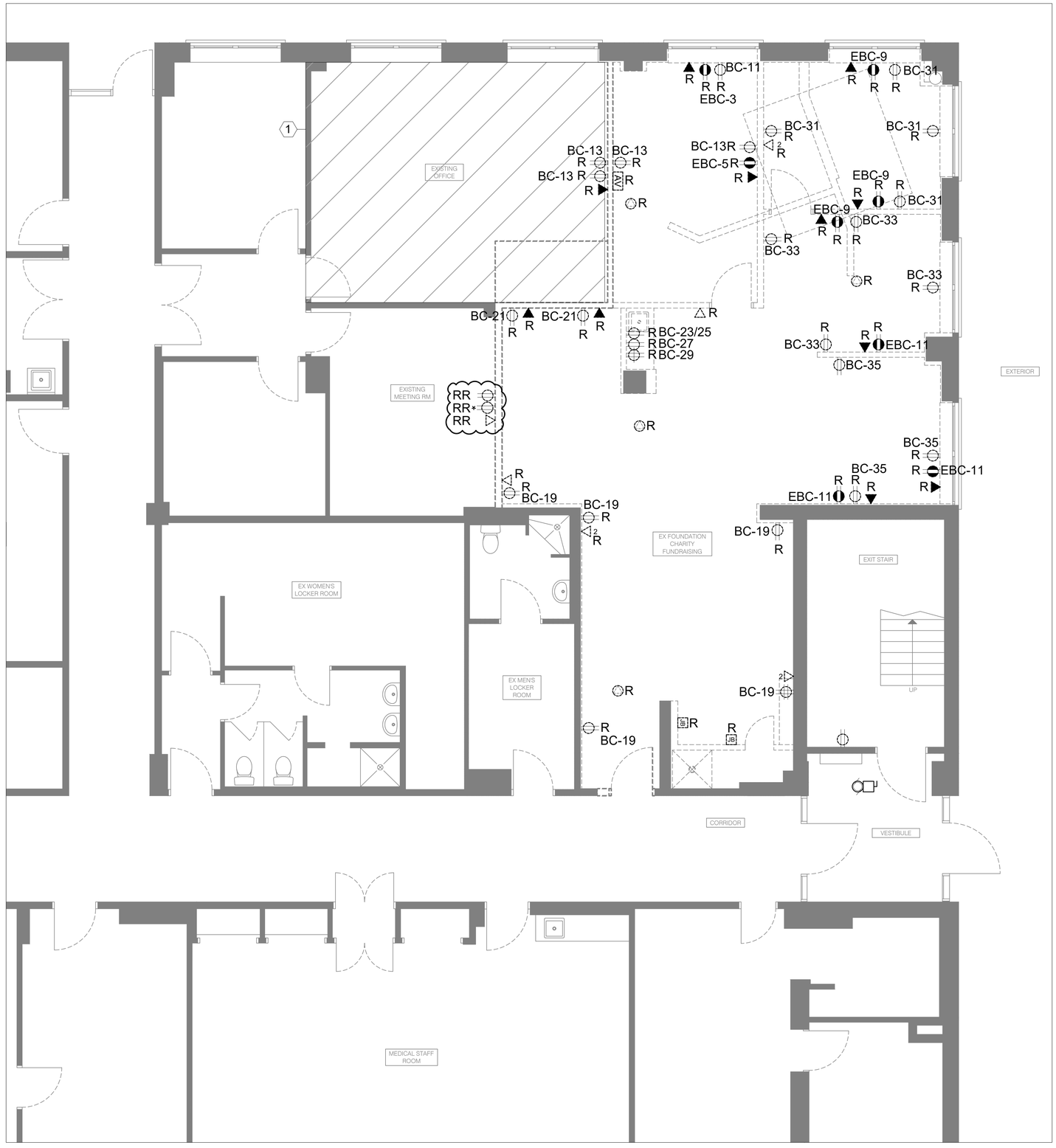


1 E301 POWER & SYSTEM - DEMO WORK
SCALE: 1/4" = 1'-0"

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COLLINGWOOD GENERAL AND MARINE HOSPITAL
459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH
TRUE NORTH

POWER & SYSTEM - DEMO

ENTERED: JM
CHECKED: JE
DATE: 2025/12/09
PROJECT NO. HC-24-173

DRAWING NO. E301

## GENERAL SHEET NOTES

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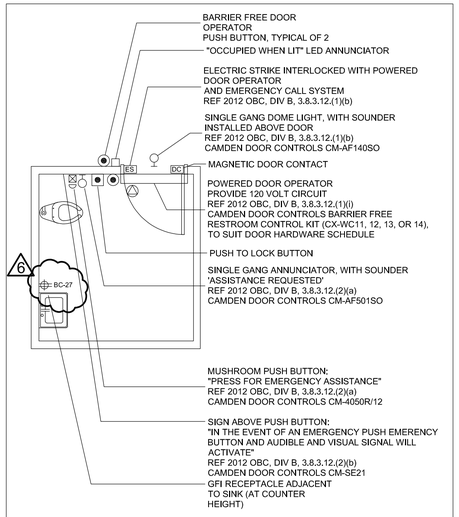
13. WHEREVER POSSIBLE, REUSE EXISTING CIRCUITS MADE AVAILABLE DURING DEMOLITION PHASE. WHERE NEEDED PROVIDE AND INSTALL NEW COMPATIBLE BREAKERS AND WIRING. CONTRACTOR TO VERIFY AVAILABLE CIRCUITS ON SITE, AS PANEL BOARD SCHEDULES MAY NOT BE UP TO DATE

## SHEET KEYNOTES

1. PROVIDE AND INSTALL BARRIER FREE PROVISIONS AS OUTLINE ON BARRIER FREE WASH ROOM DETAIL.
2. CONNECT GROUNDING BAR BACK TO MAIN GROUND IN MAIN ELECTRICAL ROOM.

## ELECTRICAL NOTES

1. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ONLY HOSPITAL GRADE RECEPTACLES IN CONFORMANCE WITH CSA Z-32 IN ALL AREA OF SCOPE WITH EXCEPTION TO WAITING ROOM AND CHANGE ROOM. PERFORM ALL NECESSARY TESTING PER CSA Z-32.
2. ANY EXISTING RECEPTACLES THAT WILL BE RE-INSTALLED, SHALL BE TESTED TO BE IN WORKING PROPER WORKING CONDITION.




UNIVERSAL RESTROOM "EMERGENCY ASSISTANCE" SIGNAL ACTIVATION, ANNUNCIATION AND SUPPORTING SIGNAGE SHALL BE CAMDEN DOOR CONTROLS MODEL CX/WEC10/CX-WEC-11 UNIVERSAL RESTROOM CONTROL KIT.

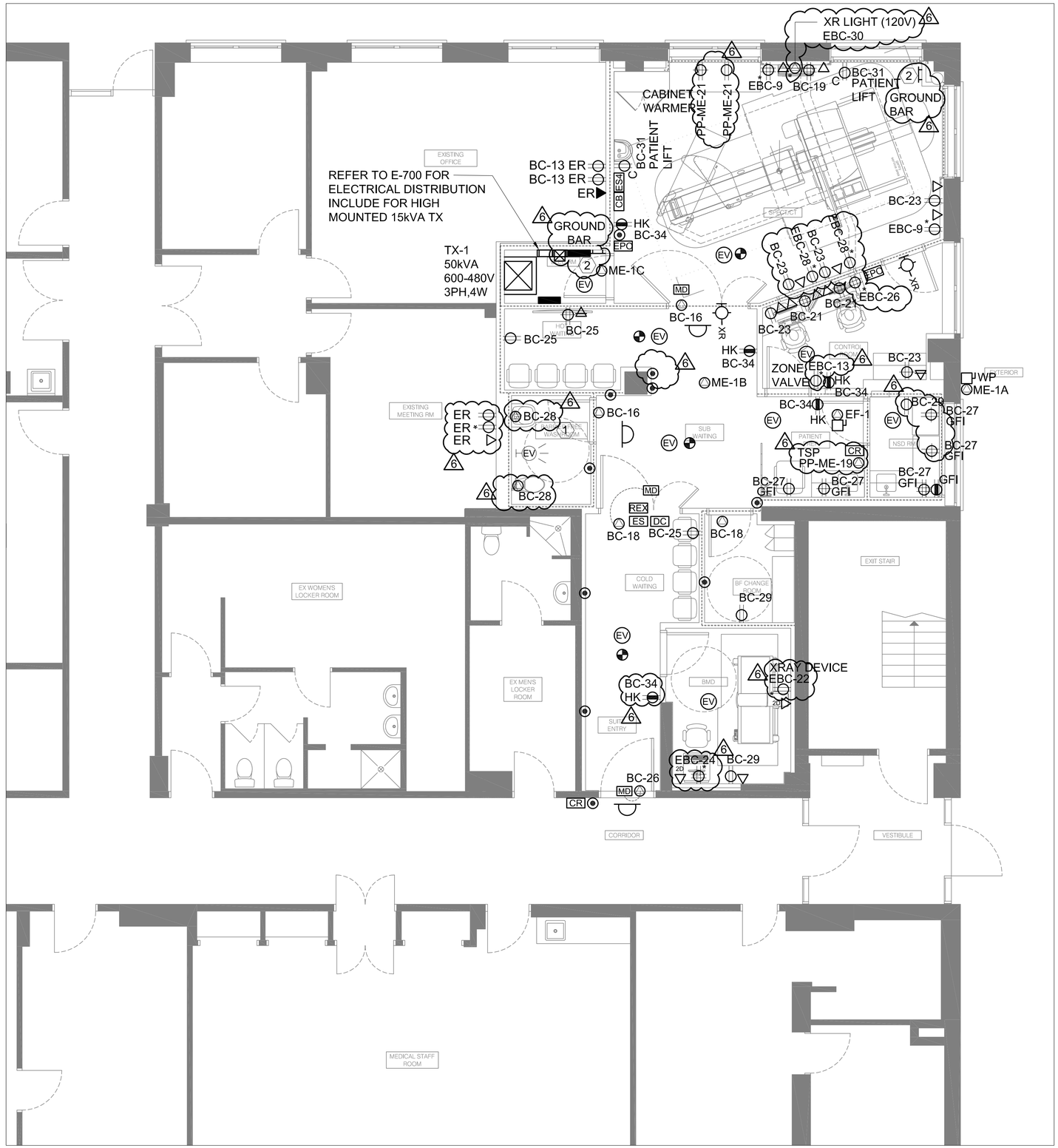
KIT SHALL INCLUDE:

1. CM-4050R/12 SINGLE GANG MUSHROOM PUSH BUTTON, 1/4" THICK BRUSHED ALUMINUM FACEPLATE AND RED BUTTON, MAINTAINED PUSH/PULL OPERATION WITH "PRESS FOR EMERGENCY ASSISTANCE" PERMANENTLY LASER ETCHED ON THE FACEPLATE.
2. CM-AF50SO SINGLE GANG LED ANNUNCIATOR WITH SOUNDER, RATED 85 dB AT 100 mm, WEATHER AND VANDAL RESISTANT CONSTRUCTION, BRUSHED STAINLESS STEEL FACEPLATE, WITH "ASSISTANCE REQUIRED" MESSAGE TEXT, THAT IS NOT LEGIBLE UNLESS THE ANNUNCIATOR IS ENERGIZED.
3. CM-AF140SO SINGLE GANG DOME LIGHT WITH PIEZO SOUNDER, RATED 93 dB AT 1 METRE, BRUSHED STAINLESS STEEL FACEPLATE AND 24 V INCANDESCENT BULB.
4. CM-SE21 SIGN, TO BE LOCATED ABOVE THE ACTIVATION SWITCH, 1.6 mm (1/16"), 381 mm BY 381 mm (15" BY 15"), FIRE RATED EXPANDED PVC WHITE, WITH 25 mm BLACK LETTERING. TEXT SHALL BE: "IN THE EVENT OF AN EMERGENCY PUSH EMERGENCY BUTTON AND AUDIBLE AND VISUAL SIGNAL WILL ACTIVATE".
5. INTERCONNECTED WITH DOOR HARDWARE, INCLUDING DOOR OPERATOR, PUSH TO LOCK BUTTON, ELECTRIC STRIKE, DOOR CONTACT.

NOTES:

1. CONFIRM EXACT HARDWARE AND ROUGH-IN REQUIREMENTS WITH EMERGENCY CALL SYSTEM VENDOR.
2. CONFIRM EXACT EQUIPMENT LOCATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.

1 E302 BARRIER FREE WASHROOM DETAIL
SCALE: NTS




2 E302 POWER & SYSTEM - NEW WORK
SCALE: 1/4" = 1'-0"

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# NUCLEAR MEDICINE SPECT/CT CAMERA

COLLINGWOOD GENERAL AND MARINE HOSPITAL

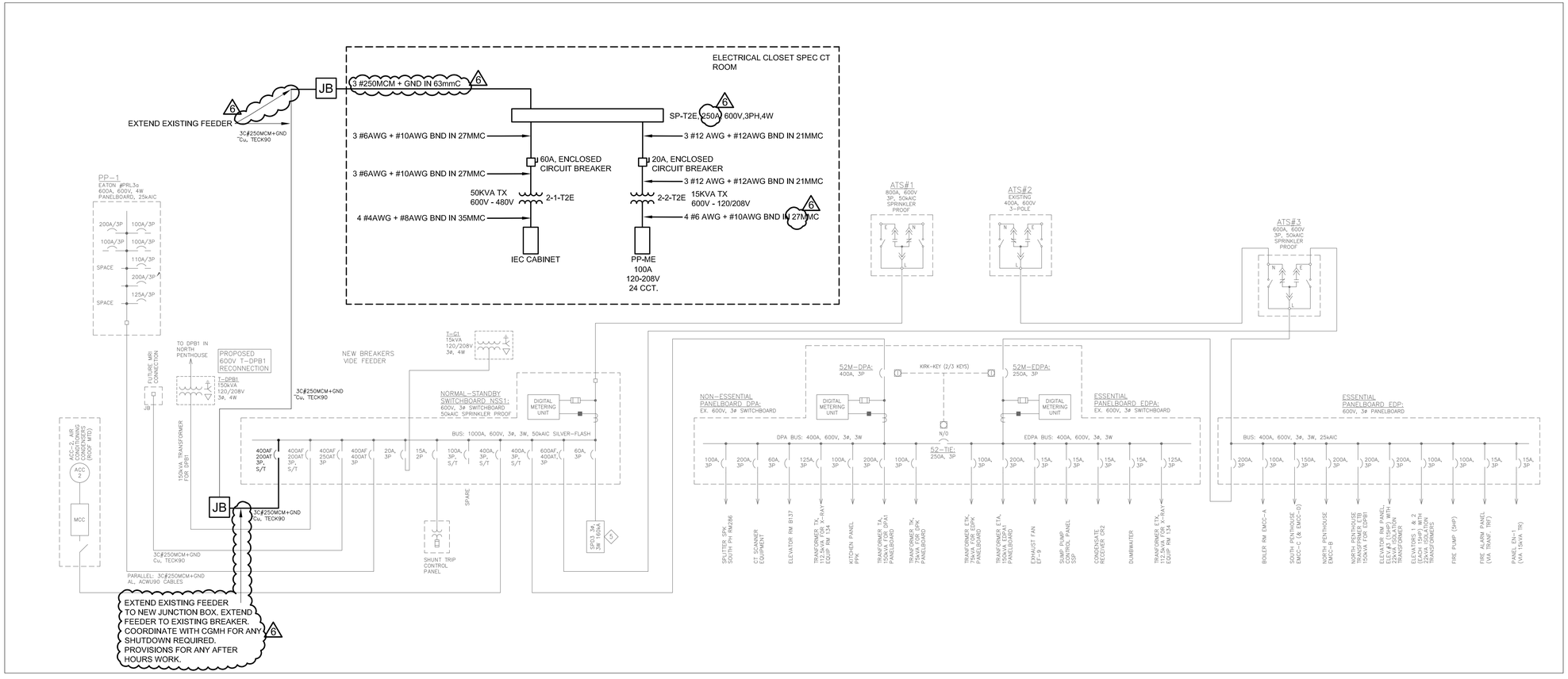
459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH
TRUE NORTH

## POWER & SYSTEM - NEW

ENTERED: JM
CHECKED: JE
DATE: 2025/12/09
PROJECT NO. HC-24-173

DRAWING NO. E302




1 E700 SINGLE LINE DIAGRAM
SCALE: NTS

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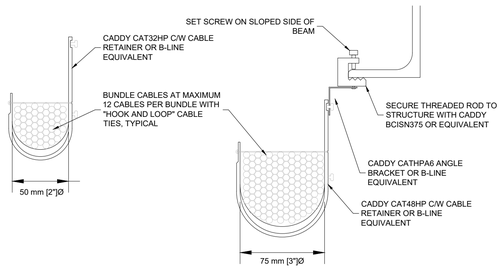
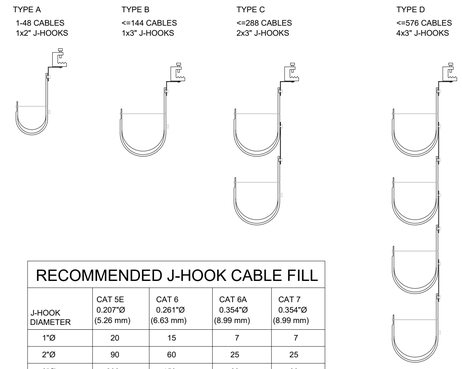
PROJECT NO. HC-24-173
DRAWING NO. E700



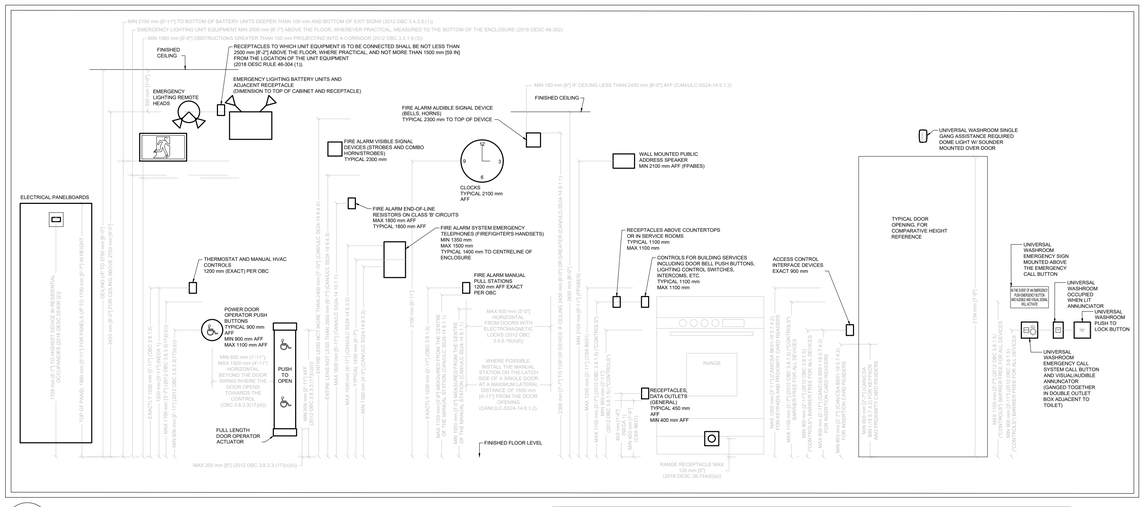




## RECOMMENDED J-HOOK CABLE FILL

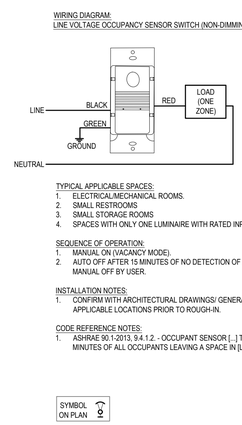
| J-HOOK DIAMETER | CAT 5E 0.207"Ø (5.26 mm) | CAT 6 0.261"Ø (6.63 mm) | CAT 6A 0.354"Ø (8.99 mm) | CAT 7 0.354"Ø (8.99 mm) |
|---|---|---|---|---|
| 1"Ø | 20 | 15 | 7 | 7 |
| 2"Ø | 90 | 60 | 25 | 25 |
| 3"Ø | 200 | 150 | 60 | 60 |
| 4"Ø | 330 | 220 | 100 | 100 |

NOTES:
1. VERIFY EXACT CABLE DIAMETER PRIOR TO INSTALLATION.
2. MAXIMUM SPACING BETWEEN J-HOOKS TO BE 5'-0".

5 / E-800 J-HOOK HORIZONTAL CABLING SUPPORT (FOR REFERENCE)
N.T.S.




6 / E-800 TYPICAL MOUNTING DETAILS (FOR REFERENCE)
N.T.S.



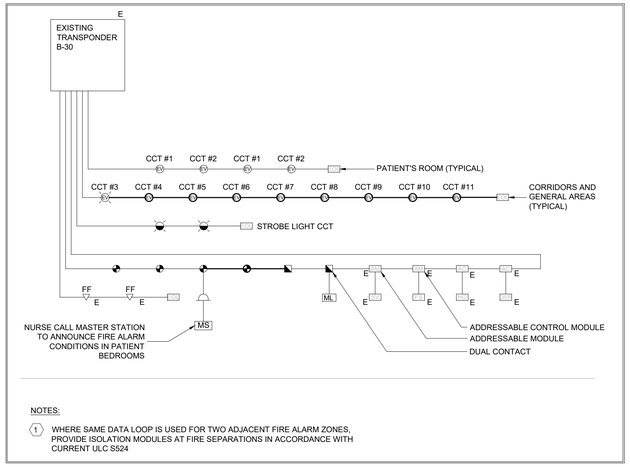

TYPICAL APPLICABLE SPACES:
1. ELECTRICAL/MECHANICAL ROOMS.
2. SMALL RESTROOMS
3. SMALL STORAGE ROOMS
4. SPACES WITH ONLY ONE LUMINAIRE WITH RATED INPUT POWER LESS THAN 100 W.

SEQUENCE OF OPERATION:
1. MANUAL ON (VACANCY MODE).
2. AUTO OFF AFTER 15 MINUTES OF NO DETECTION OF OCCUPANCY AND OPTION FOR MANUAL OFF BY USER.

INSTALLATION NOTES:
1. CONFIRM WITH ARCHITECTURAL DRAWINGS/ GENERAL CONTRACTOR FOR APPLICABLE LOCATIONS PRIOR TO ROUGH-IN.

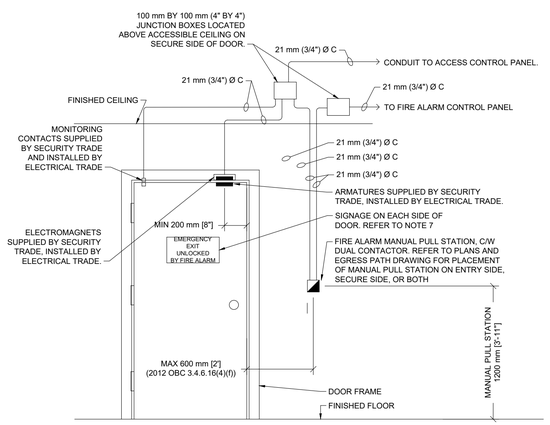
CODE REFERENCE NOTES:
1. ASHRAE 90.1-2013, 9.4.1.2. - OCCUPANT SENSOR [...] TURNS LIGHTING OFF WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING A SPACE IN [LISTED SPACES].

1 / E-800 TYP. OCCUPANCY SENSOR SWITCH(FOR REFERENCE ONLY)
N.T.S.




NOTES:
1. WHERE SAME DATA LOOP IS USED FOR TWO ADJACENT FIRE ALARM ZONES, PROVIDE ISOLATION MODULES AT FIRE SEPARATIONS IN ACCORDANCE WITH CURRENT ULC S524

3 / E-800 FIRE ALARM WIRING DIAGRAM - TYPICAL (FOR REFERENCE)
N.T.S.

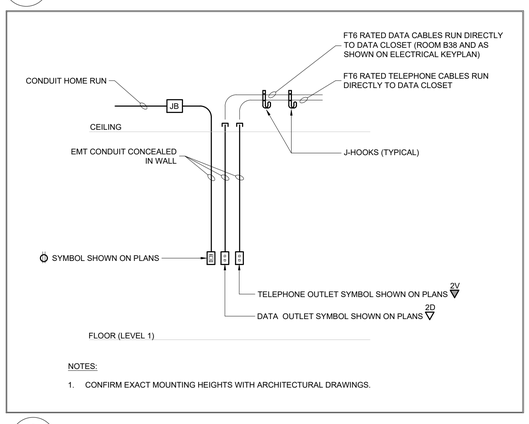



DETAIL NOTES:
1. ALL CONDUITS MINIMUM 21 mm (3/4") UNLESS NOTED OTHERWISE. PROVIDE PULL STRINGS IN ALL CONDUITS FOR SECURITY CONTRACTOR.
2. CONFIRM EXACT REQUIREMENTS WITH SECURITY CONTRACTOR PRIOR TO START OF ROUGH-IN INSTALLATION.
3. OUTLET BOXES AND CONDUIT ROUGH-INS FOR ACCESS CONTROL DEVICES TO BE PROVIDED BY ELECTRICAL TRADE.
4. ALL EXPOSED DEVICES OR WIRES TO BE MOUNTED INSIDE SECURE AREA.
5. PROVIDE EMERGENCY LIGHTS ON BOTH SIDES OF DOOR WITH ELECTROMAGNETIC LOCKS (REF 2012 OBC 3.4.6.16(4)(k)).
6. METRIC DIMENSIONS GOVERN.
7. PROVIDE A LEGIBLE SIGN PERMANENTLY MOUNTED ON EACH SIDE OF THE DOOR HAVING THE WORDS "EMERGENCY EXIT UNLOCKED BY FIRE ALARM". (2012 OBC 3.4.6.16(4)(g)).

MAGLOCK DEVICE EMERGENCY SEQUENCE OF OPERATION:

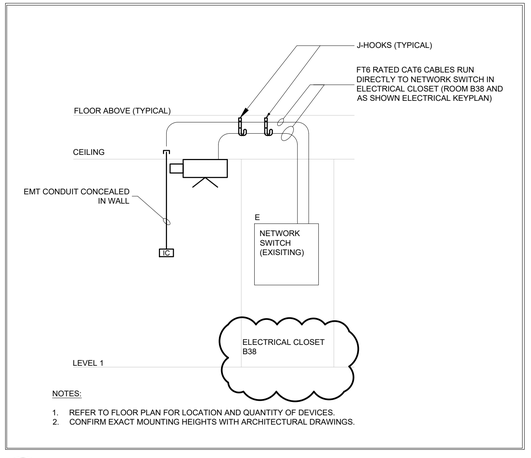
REF 2012 OBC 3.4.6.16(4):
b. MAGLOCKS TO RELEASE IMMEDIATELY UPON ACTIVATION OF THE ALARM SIGNAL FROM THE FIRE ALARM SYSTEM.
c. THE LOCKING DEVICE RELEASES IMMEDIATELY UPON LOSS OF POWER TO THE FIRE ALARM CONTROL PANEL, OR LOSS OF POWER CONTROLLING THE ELECTROMAGNETIC LOCKING MECHANISM AND ITS AUXILIARY CONTROLS
d. THE LOCKING DEVICE RELEASES IMMEDIATELY UPON ACTUATION OF A MANUALLY OPERATED SWITCH EASILY ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL AND LOCATED NEAR THE MAIN ENTRANCE OF THE BUILDING.
e. THE LOCKING DEVICE RELEASES IMMEDIATELY UPON A FAULT BEING DETECTED IN THE ELECTRICAL CIRCUIT BETWEEN THE FIRE ALARM CONTROL PANEL AND THE CONTROLLER OF THE LOCKING DEVICE.
f. THE LOCKING DEVICE RELEASES IMMEDIATELY UPON THE OPERATION OF A MANUAL PULL STATION FOR THE FIRE ALARM SYSTEM LOCATED ON THE WALL NOT MORE THAN 600 MM FROM THE DOOR.
i. UPON RELEASE, THE LOCKING DEVICE MUST BE RESET MANUALLY BY THE ACTUATION OF THE MANUALLY OPERATED SWITCH.
j. THE OPERATION OF ANY BYPASS SWITCH, WHERE PROVIDED FOR TESTING OF THE FIRE ALARM SYSTEM, CAUSES AN AUDIBLE SIGNAL AND A VISUAL SIGNAL TO BE INDICATED AT THE FIRE ALARM ANNUNCIATOR PANEL AND AT THE MONITORING STATION.

7 / E-800 MAGLOCK ACCESS CONTROL DETAILS (FOR REFERENCE)
N.T.S.



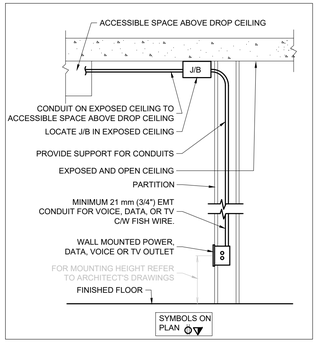

NOTES:
1. CONFIRM EXACT MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS.

8 / E-800 TYP. WIRING DETAIL 2 (FOR REFERENCE ONLY)
N.T.S.




NOTES:
1. REFER TO FLOOR PLAN FOR LOCATION AND QUANTITY OF DEVICES.
2. CONFIRM EXACT MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS.

2 / E-800 CCTV - DETAIL (FOR REFERENCE ONLY)
N.T.S.




4 / E-800 TYP. WIRING DETAIL 1 (FOR REFERENCE ONLY)
N.T.S.

| NO. | DATE | ISSUED |
|---|---|---|
| 06 | 2026/02/04 | ADDENDUM 2 |
| 05 | 2026/01/30 | ADDENDUM 1 |
| 04 | 2026/01/06 | ISSUED FOR TENDER |
| 03 | 2025/12/09 | ISSUED FOR PERMIT |
| 02 | 2025/10/15 | ISSUED FOR 50% CD |
| 01 | 2025/06/17 | ISSUED FOR 100% DD |

NOTES

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS SHOWN ON DRAWINGS WITH SITE CONDITIONS, PRIOR TO THE WORK AND NOTIFY THE ARCHITECT OF DIFFERENCES. AWAIT CLARIFICATION BEFORE CONTINUING.

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MECHANICAL AND ELECTRICAL ENGINEERING:
QUASAR
250 Rowntree Dairy Road Woodbridge, ON L4L 9J7

CLIENT:
COLLINGWOOD G&M HOSPITAL


# NUCLEAR MEDICINE SPECT/CT CAMERA

COLLINGWOOD GENERAL AND MARINE HOSPITAL

459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH

TRUE NORTH

ELECTRICAL DETAILS 1 OF 3

| | |
|---|---|
| ENTERED: | JM |
| CHECKED: | JE |
| DATE: | 2025/12/09 |
| PROJECT NO. | HC-24-173 |

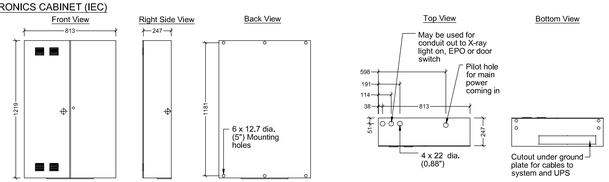
DRAWING NO. E800

## EQUIPMENT DETAILS (n.t.s.)

### INTEGRATED ELECTRONICS CABINET (IEC)

NOTE:

- No service space required on sides of cabinet.
- Mounting hardware for Integrated Electronics Cabinet and UPS are not provided. Please have local site structural engineer approve mounting and ensure compliance per local regulations.




### UPS CABINET

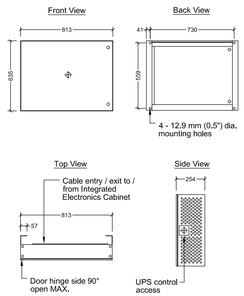
NOTE:

UPS weighs 48 kg (106 lbs) and fits inside UPS cabinet. UPS is D130 x H439 x W721 (D5.1" x H17.3" x W28.4").

Front door hinge on the right. UPS cabinet may be rotated and installed 180° from above.

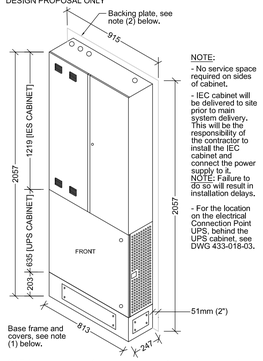
UPS cabinet may need to be off the floor for connection to system.

UPS cabinet is designed to reside under the SIEMENS Integrated Electronics Cabinet.




### BASE FRAME (IEC/UPS CABINET)

DESIGN PROPOSAL ONLY



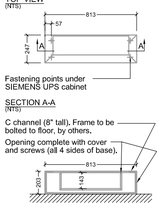

NOTE:

- No service space required on sides of cabinet.
- IEC cabinet will be delivered to site prior to main system delivery. This will be the responsibility of the contractor to install the IEC cabinet and connect the power supply to it. NOTE: Failure to do so will result in installation delays.
- For the location on the electrical Connection Point UPS, behind the UPS cabinet, see DWG 433-018-03.

(1) This proposed base frame may or may not be required depending upon site conditions - contact the SIEMENS Project Manager to confirm.

(2) Contractor to supply / install a 2057 mm high backing at 2160 mm to bottom edge of backing, flush mounted, for wall mounting/anchoring of SIEMENS Electronics Cabinets. Backing must cover the entire width of the electronics cabinet(s) plus min. 50 mm on each side (MIN. 915 mm).

TOP VIEW (NTS)




Fastening points under SIEMENS UPS cabinet

SECTION A-A (NTS)

C channel (8" tall). Frame to be bolted to floor, by others.

Opening complete with cover and screws (all 4 sides of base).

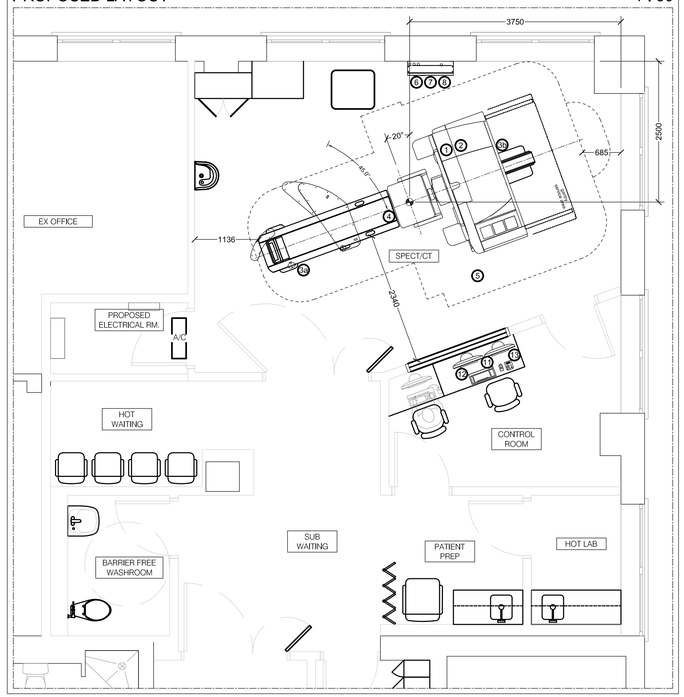
NOTES:

- Frame to be designed by Structural Engineer in order to be a solid and vibration-free mounting for SIEMENS equipment Cabinet.
- Mounting Frame and Floor Fasteners to be supplied by others/customer.

3 E-801 EQUIPMENT DETAILS
NTS

## PROPOSED LAYOUT

1 : 50




1 E-801 PROPOSED LAYOUT
1:50

GENERAL ELECTRICAL NOTES:
UNLESS OTHERWISE NOTED ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY WIRING, BOXES AND CONDUIT, COMPLETE WITH INSTALLATION PER COORDINATION WITH MANUFACTURER'S REQUIREMENT, IN ANY INSTANCE WHERE THE DETAIL MENTIONS SUPPLIED BY CUSTOMER, ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL PER MANUFACTURER REQUIREMENTS. IN INSTANCES WHERE DETAILS MENTIONS SUPPLIED BY SIEMENS, ELECTRICAL CONTRACTOR SHALL COORDINATE AND INSTALL PER MANUFACTURER REQUIREMENTS.

6

### EQUIPMENT LEGEND - Symbia Pro.specta X3

| No | DESIGNATION | HEAT (kW) | WEIGHT (kg) |
|---|---|---|---|
| 1 | SPECT Gantry (with HE Collimators and CT Gantry) | 1.00 (idle) | 3710 |
| 2 | CT Gantry - X3 | | |
| 3a | Front Patient Bed (PHS) | | 1061 |
| 3b | Rear Patient Bed (PHS) (with covers and SNAC) | 6.20 (operation) | 183 |
| 4 | ICC + ACC + AQC (part of front PHS) | | 125 |
| 5 | Patient Positioning Monitor (PPM) (above gantry) | | 7 |
| 6 | Integrated Electronics Cabinet | 0.15 | 194 |
| 7 | UPS Cabinet (below IEC) | -- | 36 |
| 8 | UPS (in UPS Cabinet) | 0.40 | 48 |
| 9 | - - - - - | -- | -- |
| 10 | - - - - - | -- | -- |
| 11 | Workplace (keyboard & control box) | 0.08 | 9 |
| 12 | Workplace (18" flat panel monitor) | | 14 |
| 13 | Workplace (18" flat panel monitor) | | 14 |

SOME EQUIPMENT SHOWN ON THIS DRAWING MAY BE IDENTIFIED AS OPTIONAL. PLEASE REFER TO QUOTATIONS FOR ACTUAL EQUIPMENT TO BE DELIVERED

NOTE: These drawings reflect the installation requirements for all equipment provided by Siemens. Installation information from the manufacturer, and all resulting design requirements, are the responsibility of the customer/contractor should the customer purchase non-Siemens products or equipment by other means

NOTE: This set of final installation drawings reflects the latest sales configuration (OCF). Any changes to the sales configuration may require a revision to these project drawings. Siemens will produce a revised set of drawings to reflect the change(s), but Siemens will not be responsible for any construction costs associated with the change(s) that occur from this plan modification.

Symbia Recommended Room Height
- Minimum room height for system = 2440 mm
- Minimum room height for system with ceiling mounted injector = 2900 mm.

| NO. | DATE | ISSUED |
|---|---|---|
| 06 | 2026/02/04 | ADDENDUM 2 |
| 05 | 2026/01/30 | ADDENDUM 1 |
| 04 | 2026/01/06 | ISSUED FOR TENDER |
| 03 | 2025/12/09 | ISSUED FOR PERMIT |
| 02 | 2025/10/15 | ISSUED FOR 50% CD |
| 01 | 2025/06/17 | ISSUED FOR 100% DD |

NOTES

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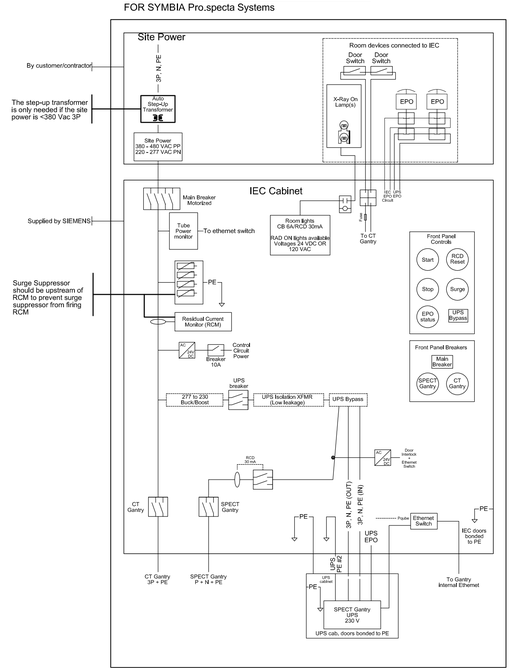
## POWER DISTRIBUTOR LOCALLY SOURCED

FOR SYMBIA Pro.specta Systems




4 E-801 POWER DISTRIBUTOR LOCALLY SOURCE
NTS

## POWER SUPPLY SCHEDULE (SYMBIA Pro.specta X3)

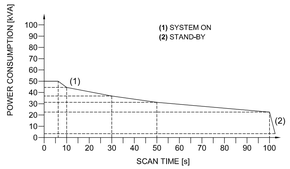
POWER REQUIREMENTS - SYMBIA Pro.specta X3
LINE CONNECTION: ..... 3/N ~ 480V ±10%, 47 - 63 Hz
LINE IMPEDANCE: ..... ≤400 mΩ
POWER CONSUMPTION: ..... Please refer to Power Consumption Chart

POWER CONSUMPTION
PRO. SPECTA Q3 AND X3

The following table shows system power consumption values for exemplary periods (sec.):

| Time | System Power Consumption (kVA) | Operating Mode |
|---|---|---|
| 6 sec. | 50 | System ON (Operation) |
| 10 sec. | 44 | |
| 30 sec. | 37 | |
| 50 sec. | 31 | |
| 100 sec. | 22 | |
| > 100 sec. | 3 | System ON (Standby) |
| > 100 sec. | 0.15 | System OFF (SPECT, Det. Powered) |
| > 100 sec. | 0 | System Completely OFF (Not recommended) |

POWER CONSUMPTION OF OVERALL SYSTEM




CONNECTION VALUE = Nominal line voltage (V) x External line fuse (A) x 1.73

**UPS FOR OVERALL SYSTEM:** There is no UPS manufacturer recommendation. If a UPS is being for the overall system, please ensure proper power calculation.

MIN. 50 kVA output power

2 E-801 PROPOSED LAYOUT
NTS

## ELECTRICAL MANUFACTURES NOTES

1 - All wires and multi-conductor cables installed by Electrical contractor shall be standard, flexible and flame seal type, and are to be left with minimum 6'-0" tail at each termination unless otherwise specified.
2 - The electrical contractors shall provide all necessary pull boxes, conduits, raceways, fittings, bushings, cables and other items as per the electrical plan unless otherwise specified.
3 - All cable outlets, pull boxes and raceways described in this drawing as being set flush with finished floor are to be of the waterproof type with gasketted metal covers.
4 - All conduits which are left empty for the cables supplied by SIEMENS shall be provided with Greenlee Conduit Measuring tape (Cat.# N435 or equivalent).
5 - All conduit bends are to have large sweeping radius. Only standard conduit elbows are to be used. Only rigid conduits can be used for the entire conduit run.
6 - All cable ducts shown are to be supplied with a removable cover.
7 - Each conduit termination indicated on the drawing shall be finished with plastic bushing.
8 - Conduits and raceways shown are indicated schematically and are not to be used for actual runs. Contractor is to determine the SHORTEST RUN available prior to installation. Refer to the CABLE SPECIFICATION detail on this sheet.
9 - The electrical work in this installation shall be performed in strict compliance with Canadian Electrical Code, or local Codes, whichever is more stringent.
10 - When installation does not conform with drawing submitted, the SIEMENS Project Manager must be contacted before any design changes may be made.
11 - All slab coring and drilling for raceway installations and final equipment mounting are provided by the Contractor/Customer. These areas shall be scanned using acceptable industry methods.
12 - All dimensions shown are from finished surfaces.
13 - If the Line Impedance specification is not met, the maximum generator output (kW) will not be possible.
14 - The conduit/duct layout as shown considers the mandatory separation of power and signal cables. Any changes to, or consolidation of, conduits/ducts must must be approved by the SIEMENS Project Manager.
15 - ALL WIRES/CONDUCTORS of the POWER SUPPLY MUST be of EQUAL SIZE, regardless of local codes, and supplied BY ELECTRICAL CONTRACTOR. The safety GROUND MUST be ISOLATED, to protect the system from interference. All materials and equipment not by SIEMENS MUST be GROUNDED SEPARATELY. The SIEMENS equipment ground must be continuous, with no breaks or use of conduit,chassis or earth as the sole grounding path.
16 - All power supply requirements are to be designed and/or approved by a Electrical Engineer. SIEMENS recommends the incoming power lines be analyzed for transient surges and impulses, sags and overvoltages.
17 - If shown, cable trays in the access floor space are to be supplied only if required by local Electric Code.

## GENERAL NOTES

NOTE: The information contained in this drawing is based on the most current technical information available at the time this drawing was issued. We reserve the right to make changes as dictated by technical product developments.

Connection points that are not dimensioned may be located at the Customer's discretion. The location of these items as shown on this drawing indicate the preferred SIEMENS location only.

ARCHITECT:
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DAVID CARTER ARCHITECTS INC.
688 Richmond St W, Suite 303 Toronto ON M6J 1C5 | 416 977 6300

MECHANICAL AND ELECTRICAL ENGINEERING:
QUASAR
250 Rowntree Dairy Road Woodbridge, ON L4L 9J7

CLIENT:
COLLINGWOOD G&M HOSPITAL

# NUCLEAR MEDICINE SPECT/CT CAMERA

COLLINGWOOD GENERAL AND MARINE HOSPITAL

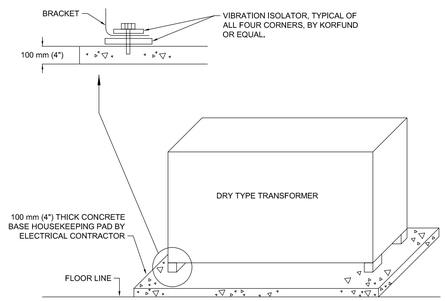
459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH

## ELECTRICAL DETAILS 2 OF 3

| | |
|---|---|
| ENTERED: | JM |
| CHECKED: | JE |
| DATE: | 2025/12/09 |
| PROJECT NO. | HC-24-173 |

DRAWING NO. E801




NOTE: DIMENSIONS TO BE COORDINATED ACCORDANCE TO TRANSFORMER CUT SHEET. 6

MATERIAL

.1 PORTLAND CEMENT: TO CAN/CSA_A3001, TYPE GU.
.2 WATER: TO CAN/CSA-A23.1.
.3 AGGREGATES: TO CSA-A23.1.
.4 COARSE AGGREGATES TO BE NORMAL DENSITY TO CSA-A23.1/A23.2.
.5 ADMIXTURES:
.1 AIR ENTRAINING ADMIXTURE: TO ASTM C260.
.2 CHEMICAL ADMIXTURES: TO ASTM C494. OWNER'S REPRESENTATIVE TO APPROVE ACCELERATING OR SET RETARDING ADMIXTURES DURING COLD AND HOT WEATHER PLACING.

MIXES

.1 PROPORTION NORMAL DENSITY CONCRETE IN ACCORDANCE WITH CSA-A23.1/A23.2. ALTERNATIVE 1 TO GIVE FOLLOWING QUALITY AND YIELD FOR ALL CONCRETE.
.1 CEMENT:
.1 TYPE GU PORTLAND CEMENT.
.2 MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: 30 MPA.
.3 MINIMUM CEMENT CONTENT: 300 KG/M3 OF CONCRETE.
.4 CLASS OF EXPOSURE: N.
.5 NOMINAL SIZE OF COARSE AGGREGATE: 20 MM.
.6 SLUMP AT TIME AND POINT OF DISCHARGE: 75 MM TO 100 MM.
.7 AIR CONTENT: 5% TO 8%.
.8 CHEMICAL ADMIXTURES: ADMIXTURES IN ACCORDANCE WITH ASTM C494.

INSTALLATION

.1 DO CAST-IN-PLACE CONCRETE WORK IN ACCORDANCE WITH CSA A23.1 AND CSA A23.2.
.2 ANCHOR BOLTS.
.1 SET ANCHOR BOLTS TO TEMPLATES UNDER SUPERVISION OF APPROPRIATE TRADE PRIOR TO PLACING CONCRETE.
.2 PROTECT ANCHOR BOLT HOLES FROM WATER ACCUMULATIONS
.3 SET BOLTS AND FILL HOLES WITH SHRINKAGE COMPENSATING GROUT.
.3 FINISHING.
.1 FINISH CONCRETE IN ACCORDANCE WITH CSA A23.1 AND CSA A23.2.
.4 CONCRETE SLAB TOLERANCES IN ACCORDANCE WITH CSA-A23.1/A23.2, F-NUMBER METHOD, FF =25, FL = 20.

6 / E-802 TRANSFORMER CONCRETE PAD
NTS

GENERAL ELECTRICAL NOTES:
UNLESS OTHERWISE NOTED ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY WIRING, BOXES AND CONDUIT, COMPLETE WITH INSTALLATION PER COORDINATION WITH MANUFACTURER'S REQUIREMENT. IN ANY INSTANCE WHERE THE DETAIL MENTIONS SUPPLIED BY CUSTOMER, ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL PER MANUFACTURER REQUIREMENTS. IN INSTANCES WHERE DETAILS MENTIONS SUPPLIED BY SIEMENS, ELECTRICAL CONTRACTOR SHALL COORDINATE AND INSTALL PER MANUFACTURER REQUIREMENTS.

## RACEWAY SCHEDULE

| | RUN | DESIGNATION | | | | | | | | | | | MOUNTING | | | | | | | | | | | | SIZE | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FROM POINT / RUN(R) | TO POINT / RUN(R) | DUCT(CABLE WIREWAY) | CONDUIT (RIGID CONDUIT ONLY) | TRENCH DUCT(FLOOR FLUSH) | CABLE TRAY | VERTICAL DUCT(V) | CONTAINS POWER SUPPLY CABLES | REMOVEABLE ACCESSIBLE COVER | # OF EQUAL COMPARTMENTS | - | FLUSH FLOOR(F) ACCESS FL(A) | FLUSH WALL(W) CEILING(C) | CEILING SPACE ABOVE | CEILING SPACE BELOW | ACCESS FLOOR SPACE | ABOVE FINISHED FLOOR ℄ | SURFACE FL(F) ACCESS FL(A) | SURFACE CEILING(C) WALL(W) | EXISTING | AS SHOWN | WALL SPACE | TO SUIT (BY CONTRACTOR) | SIZE REQUIRED (INTERNAL DIMENSION) |
| | 1a | I | IEC | | ● | | | | ● | | | | | | ● | | | | | | | | ● | ● | SEE ELECTRICAL NOTE 14 &16 | |
| | 1b | X2 | X1 | | ● | | | | ● | | | | | | | ● | | | | | | | ● | ● | Ø2"+ Ø1" | |
| *1 | 2 | IEC | EPO | | ● | | | | | | | | | | ● | | | | | | | | ● | ● | -- | |
| *2 | 3 | IEC | RI | | ● | | | | | | | | | | ● | | | | | | | | ● | | Ø ½" | |
| | 4 | X2 | X1 | | ● | | | | | | | | | | | ● | | | | | | | ● | | Ø1½"+2" | |
| | 5 | CON | X1 | | ● | | | | | | | | | | | ● | | | | | | | ● | | Ø3"+ Ø1" | |
| | 6 | T1 | T2 | | ● | | | | | | | | | | | ● | | | | | | | | | Ø 3" | |

2 / E-802 RACEWAY SCHEDULE
NTS

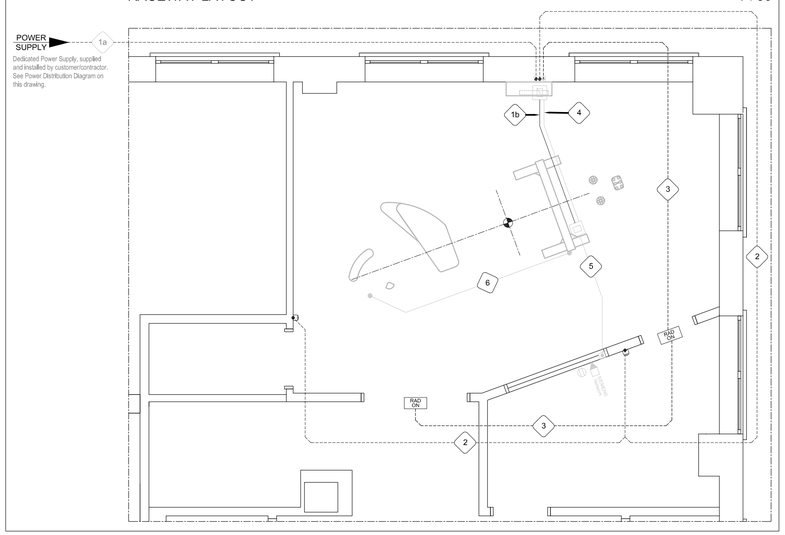
## CONNECTION POINT SCHEDULE

| | POINT | DESIGNATION | | | | | | | | | | MOUNTING | | | | | | | | | SIZE | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ON/OFF DISCONNECT | CONTACTOR | EMERGENCY SHUNT TRIP | PULL BOX | ACCESS FLOOR OPENING | SLEEVE TERMINATION | DUCT TERMINATION | CONDUIT TERMINATION | REMOVEABLE COVER | SPLIT REMOVEABLE COVER | DUCT COVER PLATE OPENING | GROMMETED HOLE DIAMETER | FLUSH FLOOR(F) ACCESS FL(A) | FLUSH WALL(W) CEILING(C) | CEILING SPACE ABOVE | CEILING SPACE BELOW | ACCESS FLOOR SPACE | ABOVE FINISHED FLOOR ℄ | SURFACE FL(F) ACCESS FL(A) | SURFACE CEILING(C) WALL(W) | BELOW FINISHED CEILING ℄ | x THRU COVER WIDTH | TO SUIT (BY CONTRACTOR) | SIZE REQUIRED (INTERNAL DIMENSION) |
| *3 | IEC | | | ● | | | | | | ● | | | | W | | | | 78" | | | | | ● | -- |
| | X1, X2 | | | ● | | | | | | | | | | | | | ● | | | | | | ● | -- |
| | EPO | | ● | | | | | | | | | | | W | | | | 5' | | | | | ● | -- |
| | JB1 | | | | | ● | | | | | | | F | | | | | | | | | | | Ø 4" |
| *3 | UPS | | | | | ● | | | | | | | F | | | | | | | | | | | Ø 4" |
| | CON | | | ● | | | | | | | ● | | | W | | | | 1" | | | | | ● | -- |
| | T1, T2 | | | | | | | | ● | | | | F | | | | | | | | | | | Ø 3" |
| *2 | RI | "RADIATION ON" INDICATOR SIGN, ABOVE EXTERIOR DOOR | | | | | | | | | | | | | | | | | | W | | | ● | -- |

*1 Emergency Shunt Trip (EST) is at the customer's discretion (optional), unless required by local electrical code, All EST devices to be equipped with a hinged plastic clear cover to protect against accidental activations (by others).
*2 SIEMENS provides a floating ground contact 24V/10A-DC.
*3 For additional information on the IEC/UPS cabinet, see EQUIPMENT DETAILS on DWG 744-015-02.

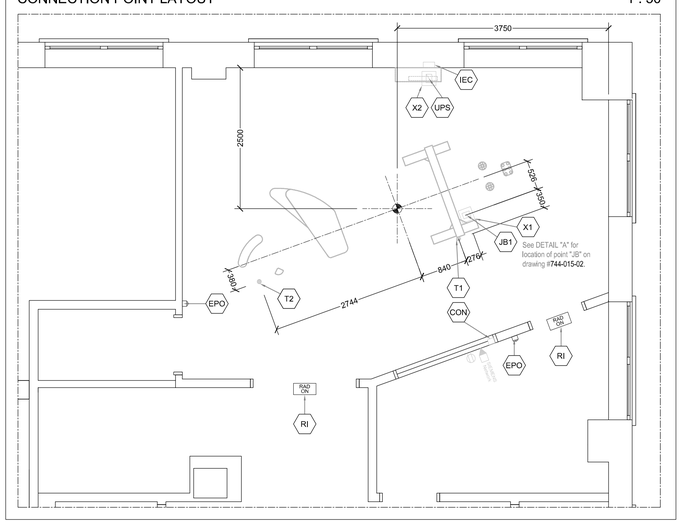
4 / E-802 CONNECTION POINT SCHEDULE
NTS

## RACEWAY LAYOUT 1 : 50



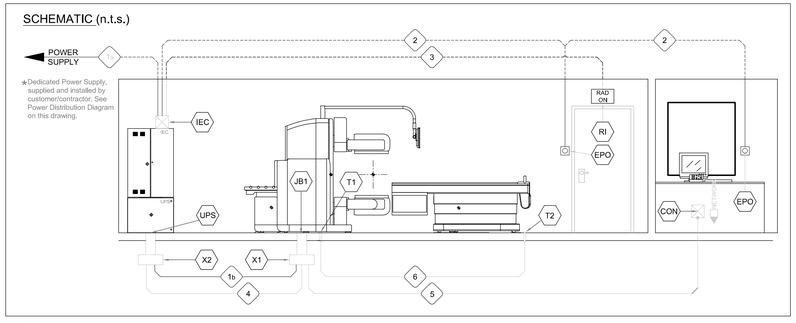

1 / E-802 RACEWAY LAYOUT
1:50

## CONNECTION POINT LAYOUT 1 : 50




3 / E-802 CONNECTION POINT LAYEROUT
1:50

## SCHEMATIC (n.t.s.)




5 / E-802 SCHEMATIC
NTS

| NO. | DATE | ISSUED |
|---|---|---|
| 06 | 2026/02/04 | ADDENDUM 2 |
| 05 | 2026/01/30 | ADDENDUM 1 |
| 04 | 2026/01/06 | ISSUED FOR TENDER |
| 03 | 2025/12/09 | ISSUED FOR PERMIT |
| 02 | 2025/10/15 | ISSUED FOR 50% CD |
| 01 | 2025/06/17 | ISSUED FOR 100% DD |

NOTES

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS SHOWN ON DRAWINGS WITH SITE CONDITIONS, PRIOR TO THE WORK AND NOTIFY THE ARCHITECT OF DIFFERENCES. AWAIT CLARIFICATION BEFORE CONTINUING.

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MECHANICAL AND ELECTRICAL ENGINEERING:
QUASAR
250 Rowntree Dairy Road Woodbridge, ON L4L 9J7

CLIENT:
COLLINGWOOD G&M HOSPITAL

# NUCLEAR MEDICINE SPECT/CT CAMERA

COLLINGWOOD GENERAL AND MARINE HOSPITAL

459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH

ELECTRICAL DETAILS 3 OF 3

| | |
|---|---|
| ENTERED: JM | DRAWING NO. |
| CHECKED: JE | E802 |
| DATE: 2025/12/09 | |
| PROJECT NO. HC-24-173 | |

## GENERAL SHEET NOTES

1. IN EVERY INSTANCE WHERE IT IS REQUIRED IN THE SPECIFICATION OR ON DRAWING THAT EQUIPMENT AND MATERIALS BE REMOVED FROM EXISTING LOCATIONS AND RE-INSTALLED, EITHER IN WHOLE OR IN PART IN NEW LOCATIONS, ALL SUCH EQUIPMENT AND MATERIALS SHALL BE THOROUGHLY CLEANED AND WHERE NECESSARY PUT INTO GOOD OPERATING CONDITION BEFORE BEING RE-INSTALLED IN THE NEW LOCATION. TEST ALL PARTS OF THE RE-USED OR RELOCATED ELECTRICAL EQUIPMENT AND CORRECT ALL FAULTS AND GROUNDS.
2. ALL OPENINGS IN BUILDING RISER, IF APPLICABLE, SHALL BE SEALED WITH APPROVED FIRE STOP MATERIAL. ANY FIREPROOFING MATERIAL REMOVED WILL BE REPLACED WITH A SUITABLE AND APPROVED FIREPROOFING MATERIAL AND SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS TO APPLICABLE BUILDING AND FIRE CODES.
3. CONTRACTOR TO CONDUCT OWN SURVEY AND VERIFY EXISTING CONDITIONS.
4. COORDINATE WITH THE CLIENT TO CONFIRM EQUIPMENT OR SYSTEMS/DEVICES TO REMAIN.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REFINISHING OF DAMAGED BUILDING AREAS AND FINISHES AFFECTED BY THE WORK AS OUTLINED UNDER SCOPE OF WORK OF THIS PROJECT.
6. ALL INSTALLATIONS WITHIN EXISTING AREAS SHALL BE COORDINATED WITH OWNER AND BASE BUILDING MANAGEMENT. INSTALLATION MUST BE PERFORMED IN A MANNER TO ELIMINATE ANY INTERFERENCES TO STAFF AND NORMAL OPERATION OF THE FACILITY.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND DISTRIBUTION OF TEMPORARY POWER AND LIGHTING WITHIN THE PREMISES DURING THE CONSTRUCTION PERIOD. EXPOSED ELECTRICAL CORDS OUTSIDE THE AREA OF WORK SHALL NOT BE PERMITTED.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL THE WORK WITH ALL OTHER TRADES, CONSULTANTS, AND THE OWNER. ALL WORK SHALL BE SCHEDULED AND CARRIED OUT BY THE CONTRACTOR IN A MANNER TO ENSURE CONTINUED AND NON-INTERRUPTED OPERATION OF EXISTING FACILITY.
9. CONTRACTOR SHALL IDENTIFY AND LABEL CLEARLY ALL CIRCUITS, WIRING, SERVICES, JUNCTION BOXES, PULLBOXES, DATA DROPS, DEVICES AND EQUIPMENT INSTALLED AND CONNECTED UNDER SCOPE OF WORK OF THIS PROJECT. IDENTIFICATION SHALL BE AS PER OWNER'S REQUIREMENTS AND ALL MARKINGS SHALL BE OF NON-ERASABLE LAMACOID TYPE. COORDINATE ALL LABELING WITH THE OWNER AND CONSULTANT.
10. CONTRACTOR TO ENSURE ANY DAMAGE TO EXISTING ELECTRICAL CONDUIT AND CONNECTION TO BE REPLACED OR FIXED PRIOR TO RE-INSTALLATION.
11. CONTRACTOR TO NOTIFY OWNER OF ANY EXISTING DAMAGES PRIOR TO COMMENCING OF WORK, ALL EXISTING EQUIPMENT AND FIXTURES INSIDE THE AREA OF WORK IS TO BE THOROUGHLY INSPECTED, ANY COMPROMISE TO THE INTEGRITY SHOULD BE MADE KNOWN TO THE OWNER.
12. CONTRACTOR TO TRACK AND CONFIRM LOCATION OF FEEDER AND BREAKER TO SOURCE PRIOR TO DISCONNECTION, AND ENSURE BREAKER IS SECURELY TURNED OFF AND LOCKED.
13. WHEREVER POSSIBLE, REUSE EXISTING CIRCUITS MADE AVAILABLE DURING DEMOLITION PHASE. WHERE NEEDED PROVIDE AND INSTALL NEW COMPATIBLE BREAKERS AND WIRING. CONTRACTOR TO VERIFY AVAILABLE CIRCUITS ON SITE, AS PANEL BOARD SCHEDULES MAY NOT BE UP TO DATE
14.

## SHEET KEYNOTES

1. TIE IN NEW EXIT SIGNS WITH EXISTING CIRCUIT FOR EXIT LIGHTS

## SCHEDULE 26 06 50.16 - LIGHTING FIXTURE SCHEDULE

| SYMBOL | TYPE | DESCRIPTION | BASIS OF DESIGN MANUFACTURER SEE NOTE 1 | BASIS OF DESIGN CAT NO. SEE NOTE 1 | VOLTAGE | INPUT WATTS | LUMEN PACKAGE (3000 K CT UNLESS NOTED OTHERWISE) MINIMUM 90 CRI | MOUNTING & ACCESSORIES | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | L1 | RECESSED 2'X4' LED LUMINAIRE, WHITE FINISH, SUITABLE FOR ACT CEILING, FLAT FROSTED ACRYLIC LENS, 0-10V DIMMING, 90 CRI. | LACH-24G-40-35K-FA | | 120V | | | RECESSED | |
| | L2 | RECESSED 1'X4' LED LUMINAIRE, WHITE FINISH, SUITABLE FOR ACT CEILING, FLAT FROSTED ACRYLIC LENS, 0-10V DIMMING. | LACH-14G-40-35K-FA | | 120V | | | RECESSED | |
| | L3 | RECESSED 1'X4' LED LUMINAIRE, WHITE FINISH, SUITABLE FOR ACT CEILING, FLAT FROSTED ACRYLIC LENS, 0-10V DIMMING. | LACH-22G-40-35K-FA | | 120V | | | RECESSED | |
| | L3A | RECESSED 1'X4' LED LUMINAIRE, WHITE FINISH, SUITABLE FOR ACT CEILING, FLAT FROSTED ACRYLIC LENS, 0-10V DIMMING. | LACH-22G-50-35K-FA | | 120V | | | RECESSED | |
| | A1 | 152.4mm (6" NOMINAL) ROUND APERTURE RECESSED LED DOWNLIGHT C/W 90 CRI, WIDE BEAM DISTRIBUTION AND 0-10V DIMMING FOR ACT TYPE CEILING, WHITE ANTIMICROBIAL POWDER COAT FINISH. | PRESCOLITE LFR-6RD-M -15L - 35K - 8 - WD - DM1 LFR-6RD-T-WD-WC | | 120V | | | RECESSED | |
| | W1 | 26" LONG LED WALL MOUNTED VANITY LUMINAIRE WITH A ROTATABLE APERTURE WHICH ALLOWS FIELD AIMING TO DIRECT THE LIGHT AT THE TARGET, C/W 0-10V DIMMING, 90 CRI | TERON LIGHTING INC TRN24-L30.0-ZE1000-120-277 TW-30K-EB10 | | 120V | | | WALL | |
| | L4 | 4 FOOT UNDER CABINET LED LIGHT FIXTURE,1-10V DIMMING, EXTRUDED ALUMINUM CONSTRUCTION WITH WHITE ANTIMICROBIAL POWDER COAT FINISH, SWITCHABLE CCT BETWEEN (3000,3500,4000) | COLUMBIA LIGHTING CUC4-CS-ED120 | | 120V | | | UNDER CABINET LIGHTING | |

LIGHTING FIXTURE SCHEDULE NOTES:
1. UNLESS NOTED OTHERWISE, NO ALTERNATE MANUFACTURES AND SUPPLIERS.
2. WHERE AN INCOMPLETE MODEL/CAT NO. IS LISTED, MANUFACTURERS/SUPPLIERS MUST CONFIRM THE PROPOSED FIXTURE WITH THE CONSULTANT A MINIMUM OF ONE WEEK PRIOR TO TENDER CLOSE.
3. SUBMIT SHOP DRAWINGS FOR CONSULTANT'S REVIEW PRIOR TO PLACING ANY ORDER.

## EXHAUST FAN SCHEDULE

| MOTOR | | | | | | | FEEDER | | PROTECTION | | STARTER | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TAG NO. | LOCATION/DESCIPTION | FLA (A) | PHASE | VOLTAGE (V) | POWER (kW) | HORSE POWER | FEEDER SIZE | FED FROM | TIME DELAY FUSE (A) | CIRCUIT BREAKER (A) | VFD BY DIV. 20 | NON FUSED DISCONNECT BY DIV.26 | REMARKS |
| EF-1 | SPECT CT ROOM | 2.8 | 1 | 120 | | 1/6 | 2#12 AWG + 12 AWG BND IN 21mmC | PP-ME | | 15A 2P | | | |

## EVAPORATOR SCHEDULE

| MOTOR | | | | | | | FEEDER | | PROTECTION | | STARTER | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TAG NO. | LOCATION | MCA (A) | PHASE | VOLTAGE (V) | POWER (kW) | HORSE POWER | FEEDER SIZE | FED FROM | TIME DELAY FUSE (A) | CIRCUIT BREAKER (A) | VFD BY DIV. 20 | NON FUSED DISCONNECT BY DIV.26 | REMARKS |
| ME-1A | SUB WAITING | 4.16 | 1 | 208 | | | 2#12 AWG + 12 AWG BND IN 21mmC | PP-ME | | 15A 2P | | | |
| ME-1C | ELECTRICAL ROOM | 0.24 | 1 | 208 | | | 2#12 AWG + 12 AWG BND IN 21mmC | PP-ME | | 15A 2P | | | |

## CONDENSER SCHEDULE

| MOTOR | | | | | | | FEEDER | | PROTECTION | | STARTER | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TAG NO. | LOCATION/DESCIPTION | MCA (A) | PHASE | VOLTAGE (V) | POWER (kW) | HORSE POWER | FEEDER SIZE | FED FROM | TIME DELAY FUSE (A) | CIRCUIT BREAKER (A) | VFD BY DIV. 20 | NON FUSED DISCONNECT BY DIV.26 | REMARKS |
| ME-1B | WALL MOUNTED | - | 1 | 208 | | | 2#12 AWG + 12 AWG BND IN 21mmC | PP-ME | | 15A 2P | | | |

## SCHEDULE 26 06 50.19 - EMERGENCY LIGHTING AND EXIT SIGN SCHEDULE

| SYMBOL | TYPE | DESCRIPTION | MANUFACTURER AND PRODUCT SERIES | VOLTAGE | LAMPS | MOUNTING | SPEC SECTION |
|---|---|---|---|---|---|---|---|
| | X1 | [PLASTIC PICTOGRAM] EXIT SIGN, UNIVERSAL MOUNTING, FACTORY WHITE FINISH. | -LUMACELL LP SERIES -STANPRO RMPN SERIES | SEE NOTE 2 | 3W LED | CEILING OR WALL, SURFACE | 26 52 13.16 |
| | X2 | SAME AS X1, DOUBLE FACE | -LUMACELL LP SERIES -STANPRO RMPN SERIES | SEE NOTE 2 | 3W LED | CEILING OR WALL, SURFACE | 26 52 13.16 |

EMERGENCY LIGHTING FIXTURE & EXIT SIGN SCHEDULE NOTES:
1. WHERE AN INCOMPLETE MODEL/CAT NO. IS LISTED, MANUFACTURERS/SUPPLIES MUST CONFIRM THE PROPOSED FIXTURE WITH THE CONSULTANT A MINIMUM OF ONE WEEK PRIOR TO TENDER CLOSE.
2. EXIT SIGNS SHALL BE CAPABLE OF UNIVERSAL 120/347V AC AND 6 TO 48V DC INPUT. BATTERY UNITS SHALL BE CAPABLE OF UNIVERSAL 120/347V AC INPUT.
3. FOR EXIT SIGNS, REFER TO ARROWS AND NUMBER OF SHADED FACES AS DIRECTED ON LIGHTING LAYOUT. WHERE ARROWS INDICATE TWO DIRECTIONS, PROVIDE TWO PICTOGRAM STYLE EXIT SIGNS.
4. SUBMIT SHOP DRAWINGS FOR CONSULTANT'S REVIEW PRIOR TO PLACING ANY ORDER.
5. MANUFACTURERS AS NOTED IN SECTION 26 52 13.13 AND SECTION 26 52 13.16. [OR]
5. MANUFACTURERS: AIMLITE, BEGHELLI, EMERGILITE, LITHONIA, LUMACELL, STANPRO.
6. REMOTE HEADS CERTIFIED TO CSA C22.2 No. 141.
7. CBCB - "CENTRE BEAM CANDLE POWER."
8. CONFIRM RECOMMENDED SPACING WITH EMERGENCY LIGHTING MANUFACTURER PRIOR TO START OF ROUGH-IN.
9. WHERE AN EXIT SIGN IS TO BE INSTALLED IN AN AREA WITH NO CEILING, PROVIDE SUITABLE PENDANT MOUNT SUCH THAT THE SIGN IS VISIBLE AND NOT OBSCURED.

## LIGHTING CONTROL DEVICE SCHEDULE

| SYMBOL | DESCRIPTION | BASIS OF DESIGN MANUFACTURERS AND PRODUCT SERIES | CONTROL WIRING |
|---|---|---|---|
| VS | ON/OFF WALL STATION, SINGLE SWITCH, CONNECTED TO POWER PACK WITH STAINLESS STEEL COVER PLATE | LUTRON | RJ45, CAT 6 |
| | | | |

LIGHTING CONTROLS SCHEDULE NOTES:

1. LIGHTING CONTROLS OF ONE MANUFACTURER THROUGH PROJECT TO ENSURE PRODUCT COMPATIBILITY.
2. SHN LIGHTING AND CONTROLS DESIGN STANDARD ALLOWS ONLY LUTRON COMPATIBLE DEVICES.
3. DUAL TECHNOLOGY SENSORS: PASSIVE INFRARED/ULTRASONIC, OR PASSIVE INFRARED/MICROPHONIC, DEPENDING ON MANUFACTURER. MICROPHONIC SENSORS ACCEPTABLE IN LIEU OF ULTRASONIC.
4. POSITION CEILING MOUNTED OCCUPANCY SENSORS A MINIMUM 1200 mm (4'-0") FROM NEAREST AIR DIFFUSER, HVAC OUTLETS, HEATING BLOWERS, ETC.
5. CONFIRM INSTALLATION REQUIREMENTS, WIRING DIAGRAMS, ETC., WITH MANUFACTURER'S DETAILS.
6. SUBMIT SHOP DRAWINGS FOR CONSULTANT'S REVIEW PRIOR TO PLACING ANY ORDER.
7. CONFIRM FINISH COLOUR WITH CONSULTANT DURING SUBMITTAL REVIEW.

| NO. | DATE | ISSUED |
|---|---|---|
| 06 | 2026/02/04 | ADDENDUM 2 |
| 05 | 2026/01/30 | ADDENDUM 1 |
| 04 | 2026/01/06 | ISSUED FOR TENDER |
| 03 | 2025/12/09 | ISSUED FOR PERMIT |
| 02 | 2025/10/15 | ISSUED FOR 50% CD |
| 01 | 2025/06/17 | ISSUED FOR 100% DD |

NOTES

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MECHANICAL AND ELECTRICAL ENGINEERING:
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250 Rowntree Dairy Road Woodbridge, ON L4L 9J7

CLIENT:
COLLINGWOOD G&M HOSPITAL

NUCLEAR MEDICINE
SPECT/CT CAMERA
COLLINGWOOD GENERAL AND MARINE HOSPITAL
459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH
TRUE NORTH

ELECTRICAL SCHEDULE

ENTERED: JM
CHECKED: JE
DATE: 2025/12/09
PROJECT NO.
HC-24-173

DRAWING NO.
E900

# Branch Panel: EBC

**Location:** X
**Supply From:** EDPB1 RM 304
**Mounting:** Surface
**Enclosure:**

**Volts:** 120/208 Wye
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225A
**MCB Rating:**

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RCPT RM B45/B50 | 15 | 1 | | | | 1 | 15 | LGTS RM B43/B46/B48/B49 | 2 |
| 3 | RCPT RM B52 (PR) | 15 | 1 | | | | 1 | 15 | LGTS RM B52 (PR) | 4 |
| 5 | RCPT RM B52/B53 (PR) | 15 | 1 | | | | 1 | 15 | LGTS RM B58/B59/B60/B61/B62 | 6 |
| 7 | RCPT RM B51/B53 (PR) | 15 | 1 | | | | 1 | 15 | LGTS RM B54/B63 (PR) | 8 |
| 9 | RCPT RM B55/B56 (R) | 15 | 1 | | | | 1 | 15 | SPARE | 10 |
| 11 | RCPT RM B56/B57 (R) | 15 | 1 | | | | 1 | 60 | SPARE | 12 |
| 13 | SPACE | -- | -- | | | | 1 | 15 | SPARE | 14 |
| 15 | SPACE | 40 | 1 | | | | 1 | 15 | SPARE | 16 |
| 17 | SPACE | -- | -- | | | | 1 | 15 | SPARE | 18 |
| 19 | SPACE | -- | -- | | | | 1 | 15 | SPARE | 20 |
| 21 | SPACE | -- | -- | | | | -- | -- | SPACE | 22 |
| 23 | SPACE | -- | -- | | | | -- | -- | SPACE | 24 |
| 25 | SPACE | -- | -- | | | | -- | -- | SPACE | 26 |
| 27 | SPACE | -- | -- | | | | -- | -- | SPACE | 28 |
| 29 | SPACE | -- | -- | | | | -- | -- | SPACE | 30 |
| 31 | SPACE | -- | -- | | | | -- | -- | SPACE | 32 |
| 33 | SPACE | -- | -- | | | | -- | -- | SPACE | 34 |
| 35 | SPACE | -- | -- | | | | -- | -- | SPACE | 36 |
| 37 | SPACE | -- | -- | | | | 1 | 15 | FAN FORCE HTR RM B149 | 38 |
| 39 | SPACE | -- | -- | | | | 1 | 15 | WATER HTR RM B43 | 40 |
| 41 | SPACE | -- | -- | | | | 1 | 15 | UNIT HTR RM B43 | 42 |
| | | | | | **Total Load:** | | | | | |
| | | | | | **Total Amps:** | | | | | |

**Legend:** **R - DENOTES DEMOLITION**
**PR - DENOTES PARTIAL DEMOLITION**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| | | | | **Total Conn. Load:** | |
| | | | | **Total Est. Demand:** | |
| | | | | **Total Conn.:** | |
| | | | | **Total Est. Demand:** | |

**Notes:**

# Branch Panel: BC

**Location:** X
**Supply From:** D0B1 RM 304
**Mounting:** Surface
**Enclosure:**

**Volts:** 120/208 Wye
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225A
**MCB Rating:**

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RCPT RM B44 | 15 | 1 | | | | 1 | 15 | LGTS RM B43/B44/B45 | 2 |
| 3 | RCPT RM B45 | 15 | 1 | | | | 1 | 15 | LGTS RM B46/B47/B49 | 4 |
| 5 | RCPT RM B47 | 15 | 1 | | | | 1 | 15 | LGTS RM B50/B52 (PR) | 6 |
| 7 | RCPT RM B49/B168 | 15 | 1 | | | | 1 | 15 | LGTS RM B51/B53/B54 (PR) | 8 |
| 9 | RCPT RM B50 | 15 | 1 | | | | 1 | 15 | LGTS RM B55/B56/B57 (R) | 10 |
| 11 | RCPT RM B52 (PR) | 15 | 1 | | | | 1 | 15 | LGTS RM B58/B62 | 12 |
| 13 | RCPT RM B52 (PR) | 15 | 1 | | | | 1 | 15 | LGTS EXTERIOR | 14 |
| 15 | RCPT RM B51 | 15 | 1 | | | | 1 | 15 | SPARE | 16 |
| 17 | RCPT RM B53 | 15 | 1 | | | | 1 | 15 | SPARE | 18 |
| 19 | ROMP WORKSTATION (R) | 15 | 1 | | | | 1 | 15 | B59 MICROWAVE | 20 |
| 21 | RCPT RM B54 (R) | 15 | 1 | | | | 1 | 15 | ROMP OFFICE WORKSTATION | 22 |
| 23 | SPLIT RM B54 (R) | 15 | 1 | | | | 1 | 15 | HR PLUGS | 24 |
| 25 | RECEPTACLE | 15 | 1 | | | | 1 | 15 | SPARE | 26 |
| 27 | RCPT RM B54 (R) | 15 | 1 | | | | -- | -- | SPACE | 28 |
| 29 | RCPT RM B54 (R) | 15 | 1 | | | | 1 | 15 | HES KITCHENETTE | 30 |
| 31 | RCPT RM B55 (R) | 15 | 1 | | | | 1 | 15 | HIS KITCHENETTE | 32 |
| 33 | RCPT RM B56 (R) | 15 | 1 | | | | -- | -- | SPACE | 34 |
| 35 | RCPT RM B57/B62 (PR) | 15 | 1 | | | | 1 | 15 | RCPT EXTERIOR | 36 |
| 37 | RCPT RM B62 | 15 | 1 | | | | 1 | 15 | RCPT GFI RM B61 | 38 |
| 39 | RCPT RM B66 | 15 | 1 | | | | 1 | 20 | PHOTOCOPY | 40 |
| 41 | RCPT RM B60 | 15 | 1 | | | | 1 | 15 | ROMP PLUG | 42 |
| | | | | | **Total Load:** | | | | | |
| | | | | | **Total Amps:** | | | | | |

**Legend:** **R - DENOTES DEMOLITION**
**PR - DENOTES PARTIAL DEMOLITION**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| | | | | **Total Conn. Load:** | |
| | | | | **Total Est. Demand:** | |
| | | | | **Total Conn.:** | |
| | | | | **Total Est. Demand:** | |

**Notes:**

| NO. | DATE | ISSUED |
|---|---|---|
| 06 | 2026/02/04 | ADDENDUM 2 |
| 05 | 2026/01/30 | ADDENDUM 1 |
| 04 | 2026/01/06 | ISSUED FOR TENDER |
| 03 | 2025/12/09 | ISSUED FOR PERMIT |
| 02 | 2025/10/15 | ISSUED FOR 50% CD |
| 01 | 2025/06/17 | ISSUED FOR 100% DD |

NOTES

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS SHOWN ON DRAWINGS WITH SITE CONDITIONS, PRIOR TO THE WORK AND NOTIFY THE ARCHITECT OF DIFFERENCES. AWAIT CLARIFICATION BEFORE CONTINUING.

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ARCHITECT:
CARTER AI
DAVID CARTER ARCHITECTS INC.
688 Richmond St W, Suite 303 Toronto ON M6J 1C5 | 416 977 6300

MECHANICAL AND ELECTRICAL ENGINEERING:
QUASAR
250 Rowntree Dairy Road Woodbridge, ON L4L 9J7

CLIENT:
COLLINGWOOD G&M HOSPITAL

NUCLEAR MEDICINE
SPECT/CT CAMERA

COLLINGWOOD GENERAL AND MARINE HOSPITAL

459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH

ELECTRICAL PANEL
SCHEDULE - DEMO WORK

ENTERED: JM
CHECKED: JE
DATE: 2025/12/09
PROJECT NO.
HC-24-173

DRAWING NO.
E901

## Branch Panel: EBC

**Location:** X
**Supply From:** EDPB1 RM 304
**Mounting:** Surface
**Enclosure:**

**Volts:** 120/208 Wye
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225A
**MCB Rating:**

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RCPT RM B45/B50 | 15 | 1 | | | | 1 | 15 | LGTS RM B43/B46/B48/B49 | 2 |
| 3 | RCPT RM B52 (PR) | 15 | 1 | | | | 1 | 15 | LGTS RM B52 & SPECT/CT (PR/N) | 4 |
| 5 | RCPT RM B52/B53 (PR) | 15 | 1 | | | | 1 | 15 | LGTS RM B58/B59/B60/B61/B62 | 6 |
| 7 | RCPT RM B51/B53 (PR) | 15 | 1 | | | | 1 | 15 | LGTS RM B54/B63 & HOT/COLD WAIT (PR/N) | 8 |
| 9 | RCPT SPECT/CT (N) | 15 | 1 | | | | 1 | 15 | | 10 |
| 11 | | 15 | 1 | | | | 1 | 60 | | 12 |
| 13 | RCPT CONTROL ROOM | 15 | 1 | | | | 1 | 15 | | 14 |
| 15 | SPARE | 40 | 1 | | | | 1 | 15 | | 16 |
| 17 | SPACE | -- | -- | | | | 1 | 15 | | 18 |
| 19 | SPACE | -- | -- | | | | 1 | 15 | | 20 |
| 21 | SPACE | -- | -- | | | | 1 | 20 | RCPT BMD XRAY DEVICE (N) | 22 |
| 23 | SPACE | -- | -- | | | | 1 | 15 | RCPT BMD & CHANGE ROOM (N) | 24 |
| 25 | SPACE | -- | -- | | | | 1 | 15 | RCPT SPECT/CT & CONTROL ROOM (N) | 26 |
| 27 | SPACE | -- | -- | | | | 1 | 15 | RCPT SPECT/CT ROOM (N) | 28 |
| 29 | SPACE | -- | -- | | | | 1 | 15 | XR LIGHT (N) | 30 |
| 31 | SPACE | -- | -- | | | | -- | -- | SPACE | 32 |
| 33 | SPACE | -- | -- | | | | -- | -- | SPACE | 34 |
| 35 | SPACE | -- | -- | | | | -- | -- | SPACE | 36 |
| 37 | SPACE | -- | -- | | | | 1 | 15 | FAN FORCE HTR RM B149 | 38 |
| 39 | SPACE | -- | -- | | | | 1 | 15 | WATER HTR RM B43 | 40 |
| 41 | SPACE | -- | -- | | | | 1 | 15 | UNIT HTR RM B43 | 42 |

**Total Load:**
**Total Amps:**

**Legend:** (N) = NEW

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| | | | | **Total Conn. Load:** | |
| | | | | **Total Est. Demand:** | |
| | | | | **Total Conn.:** | |
| | | | | **Total Est. Demand:** | |

**Notes:**

## Branch Panel: BC

**Location:** X
**Supply From:** D0B1 RM 304
**Mounting:** Surface
**Enclosure:**

**Volts:** 120/208 Wye
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225A
**MCB Rating:**

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RCPT RM B44 | 15 | 1 | | | | 1 | 15 | LGTS RM B43/B44/B45 | 2 |
| 3 | RCPT RM B45 | 15 | 1 | | | | 1 | 15 | LGTS RM B46/B47/B49 | 4 |
| 5 | RCPT RM B47 | 15 | 1 | | | | 1 | 15 | LGTS RM B50/B52&HOTWAIT/PREP/LAB (PR/N) | 6 |
| 7 | RCPT RM B49/B168 | 15 | 1 | | | | 1 | 15 | LGTS RM B51/B53&COLDWAIT/BMD/CR(PR/N) | 8 |
| 9 | RCPT RM B50 | 15 | 1 | | | | 1 | 15 | LGTS SPECT/CT & CONTROL ROOM (N) | 10 |
| 11 | RCPT RM B52 (PR) | 15 | 1 | | | | 1 | 15 | LGTS RM B58/B62 | 12 |
| 13 | RCPT RM B52 (PR) | 15 | 1 | | | | 1 | 15 | LGTS EXTERIOR | 14 |
| 15 | RCPT RM B51 | 15 | 1 | | | | 1 | 15 | ADO WASHROOM & SPECT/CT (N) | 16 |
| 17 | RCPT RM B53 | 15 | 1 | | | | 1 | 15 | ADO COLD WAITING & CHANGE ROOM (N) | 18 |
| 19 | QUAD RCPT SPECT/CT (N) | 15 | 1 | | | | 1 | 15 | B59 MICROWAVE | 20 |
| 21 | QUAD RCPT CONTROL ROOM (N) | 15 | 1 | | | | 1 | 15 | ROMP OFFICE WORKSTATION | 22 |
| 23 | RCPT SPECT/CT & CONTROL ROOM (N) | 15 | 1 | | | | 1 | 15 | HR PLUGS | 24 |
| 25 | RCPT HOT WAITING & COLD WAITING (N) | 15 | 1 | | | | 1 | 15 | ADO MAIN ENTERANCE (N) | 26 |
| 27 | GFI RCPT PATIENT PREP & HOT LAB (N) | 15 | 1 | | | | 1 | 15 | GFI BREAKER | 28 |
| 29 | BMD (N) | 15 | 1 | | | | 1 | 15 | HIS KITCHENETTE | 30 |
| 31 | C PATIENT LIFT (N) | 15 | 1 | | | | 1 | 15 | HIS KITCHENETTE | 32 |
| 33 | RCPT SPECT/CT ROOM (N) | 20 | 1 | | | | 1 | 20 | HK RCPT SPECT/CT GENERAL SPACE (N) | 34 |
| 35 | RCPT RM B52/B62 (PR) | 15 | 1 | | | | 1 | 15 | RCPT EXTERIOR | 36 |
| 37 | RCPT RM B62 | 15 | 1 | | | | 1 | 15 | RCPT GFI RM B61 | 38 |
| 39 | RCPT RM B66 | 15 | 1 | | | | 1 | 20 | PHOTOCOPY | 40 |
| 41 | RCPT RM B60 | 15 | 1 | | | | 1 | 15 | ROMP PLUG | 42 |

**Total Load:**
**Total Amps:**

**Legend:** (N) = NEW

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| | | | | **Total Conn. Load:** | |
| | | | | **Total Est. Demand:** | |
| | | | | **Total Conn.:** | |
| | | | | **Total Est. Demand:** | |

**Notes:**

## Branch Panel: PP-ME

**Location:** NEW ELECTRICAL ROOM
**Supply From:**
**Mounting:** Surface
**Enclosure:**

**Volts:** 120/208 Wye
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 100A
**MCB Rating:**

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | EF-1 | 15 | 1 | | | | 2 | 15 | ME-1B | 2 |
| 3 | ME-1A | 15 | 2 | | | | | | | 4 |
| 5 | | | | | | | 1 | 15 | SPARE | 6 |
| 7 | ME-1C | 15 | 2 | | | | 1 | 15 | SPARE | 8 |
| 9 | | | | | | | 1 | 20 | SPARE | 10 |
| 11 | SPACE | | 1 | | | | 1 | 15 | | 12 |
| 13 | SPACE | | 1 | | | | 1 | 15 | | 14 |
| 15 | SPACE | | 1 | | | | 1 | 15 | | 16 |
| 17 | SPACE | | 1 | | | | 1 | 15 | | 18 |
| 19 | TPS (GFI) | 15 | 1 | | | | 1 | 15 | | 20 |
| 21 | RCPT SPECT/CT CABINET | 15 | 1 | | | | 1 | 15 | | 22 |
| 23 | SPARE | 20 | 1 | | | | 1 | 15 | | 24 |

**Total Load:**
**Total Amps:**

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| | | | | **Total Conn. Load:** | |
| | | | | **Total Est. Demand:** | |
| | | | | **Total Conn.:** | |
| | | | | **Total Est. Demand:** | |

**Notes:**

| NO. | DATE | ISSUED |
|---|---|---|
| 06 | 2026/02/04 | ADDENDUM 2 |
| 05 | 2026/01/30 | ADDENDUM 1 |
| 04 | 2026/01/06 | ISSUED FOR TENDER |
| 03 | 2025/12/09 | ISSUED FOR PERMIT |
| 02 | 2025/10/15 | ISSUED FOR 50% CD |
| 01 | 2025/06/17 | ISSUED FOR 100% DD |

NOTES

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MECHANICAL AND ELECTRICAL ENGINEERING:
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250 Rowntree Dairy Road Woodbridge, ON L4L 9J7

CLIENT:
COLLINGWOOD G&M HOSPITAL

NUCLEAR MEDICINE
SPECT/CT CAMERA
COLLINGWOOD GENERAL AND MARINE HOSPITAL
459 HUME STREET, COLLINGWOOD ON

PROJECT NORTH
TRUE NORTH

ELECTRICAL PANEL SCHEDULE - NEW WORK

ENTERED: JM
CHECKED: JE
DATE: 2025/12/09
PROJECT NO. HC-24-173

DRAWING NO. E902