

W H I T B Y, O N T A R I O

C L I E N T

A R C H I T E C T S

STRUCTURAL ENGINEERS

MECHANICAL AND ELECTRICAL ENGINEERS

## ARCHITECTURAL

## STRUCTURAL

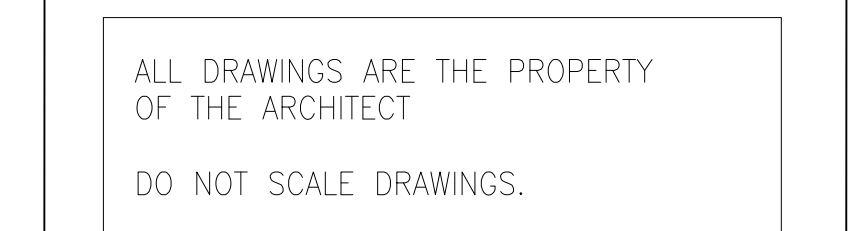
MECHANICAL

E-100	ELECTRICAL LEGEND, SPECIFICATION AND DETAILS
E-200	FIRST FLOOR GIRLS CHANGE ROOM DEMO AND NEW WORK
E-300	SECOND FLOOR WASHROOMS & CUSTODIAN ROOM DEMO AND NEW WORK POWER

Revisions, Issues

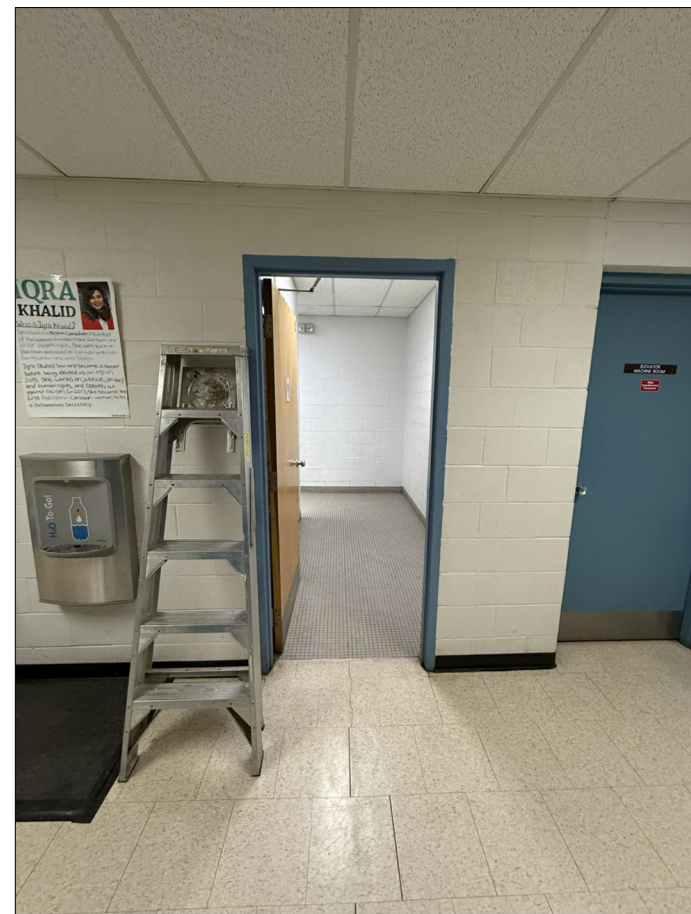
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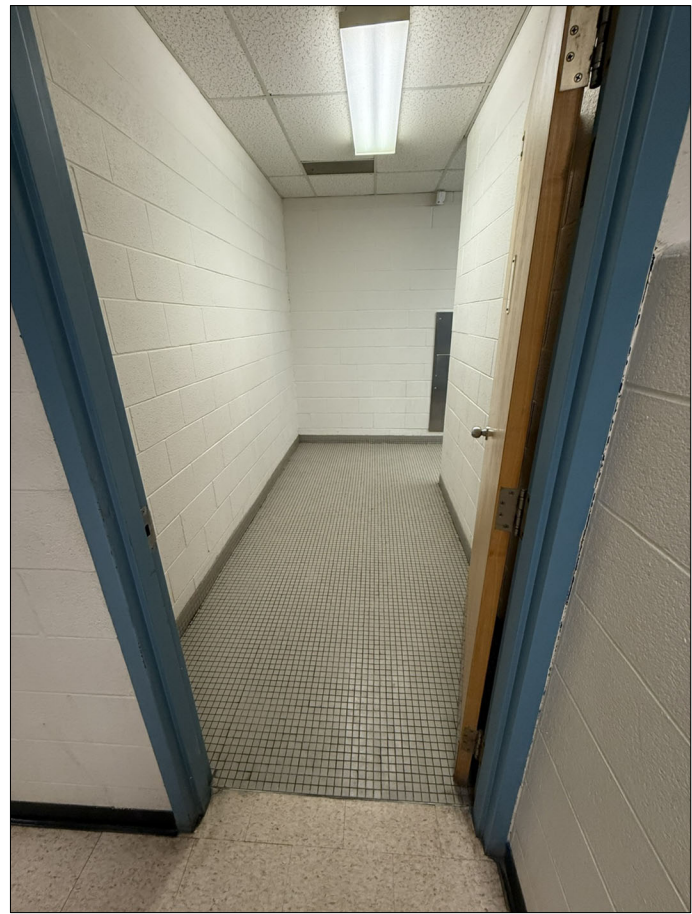


STANDARD ABBREVIATIONS			GENERAL NOTES			DRAWING SYMBOL LEGEND			WALL TYPE SCHEDULE					
<p>MANY WORDS OR EXPRESSIONS THAT ARE REPEATED FREQUENTLY ON THE DRAWINGS ARE ABBREVIATED TO REDUCE THE AMOUNT OF WORDING THAT MIGHT ABSORB THE DETAILING. TO AVOID MISINTERPRETATION, THESE ABBREVIATIONS ARE LISTED, WITH THEIR FULL MEANING, IN THIS SECTION.</p> <ul style="list-style-type: none"><li>REFER ALSO TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR OTHER ABBREVIATIONS USED IN MECHANICAL AND ELECTRICAL DOCUMENTS.</li><li>ABBREVIATIONS NOT LISTED HERE MAY BE USED IN TECHNICAL SECTIONS OF THE SPECIFICATIONS AND ARE DEFINED IN THE SPECIFICATION SECTIONS WHERE THEY ARE USED.</li></ul>			<p>1. ALL DRAWINGS ARE THE PROPERTY OF THE ARCHITECT. DRAWINGS MUST NOT BE SCALED. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE PRIOR TO PROCEEDING. DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK AFFECTED, FOR DIRECTION.</p> <p>2. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO REQUIREMENTS OF THE ONTARIO BUILDING CODE LATEST EDITION AND THE OCCUPATIONAL HEALTH AND SAFETY ACT/REGULATIONS FOR CONSTRUCTION PROJECTS. COMPLY WITH ALL MUNICIPAL REGULATIONS.</p> <p>3. CONFORM TO OWNER'S GENERAL SPECIFICATIONS INCLUDING ALL SAFETY REQUIREMENTS.</p> <p>4. NOTIFY THE CONSULTANT PRIOR REMOVING ANY PORTION OF THE BUILDING THAT APPEARS TO BE STRUCTURAL REGARDLESS OF THE NOTATION ON THE DRAWINGS AND SPECIFICATION.</p> <p>5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING BUILDING AND EQUIPMENT AND REPAIR SAME TO THE SATISFACTION OF THE OWNER AND CONSULTANT. REPAIR ALL EXISTING JOINTS, FINISHES, ADJACENT SURFACES, ETC. WHERE NEW WORK JOINS. PROTECT EXISTING FROM DAMAGE DURING WORK. REPAIR ANY DAMAGE THAT SHOULD OCCUR.</p> <p>6. KEEP THE SITE THROUGHOUT THE WORK AREA IN A CLEAN AND ORDERLY CONDITION AT ALL TIMES TO THE SATISFACTION OF THE OWNER.</p>			<p>BUILDING CROSS SECTION, SECTION NO. AND SHEET DRAWN ON</p> <p>WALL CROSS SECTION, SECTION NO. AND SHEET DRAWN ON</p> <p>INTERIOR ELEVATION REFERENCE. NUMBERS INDICATE VIEW NUMBER</p> <p>ELEVATION DATUM</p> <p>DETAIL REFERENCE BUBBLE, DETAIL NO. AND SHEET DRAWN ON</p> <p>GRID LINE AND BUBBLE REFERENCE</p> <p>DETAIL REFERENCE BUBBLE, CEILING TYPE AND CEILING HEIGHT A.F.F.</p> <p>WALL TYPE</p> <p>DOOR NUMBER - FIRST FLOOR AT ROOM NO. A105</p> <p>WINDOW NUMBER</p> <p>SCREEN NUMBER</p> <p>ROOF TYPE</p> <p>ROOM NAME AND NUMBER</p> <p>EQUIPMENT NOT IN CONTRACT</p> <p>EXISTING FINISH FLOOR ARE APPROXIMATE. SITE VERIFY PRIOR TO COMMENCING CONSTRUCTION</p>			<p>NOTES:</p> <p>1. ALL PENETRATIONS IN FIRE RATED WALLS &amp; JUNCTIONS TO BE FIRESTOPPED &amp; SEALED WITH RATED MATERIAL.</p> <p>2. ALL FIRE SEPARATION PARTITIONS (INCLUDING 1HR RATED WALLS AT CORRIDORS) TO EXTEND TO U/S OF SLAB OR MTL. DECK AND TO BE FIRESTOPPED &amp; SEALED WITH RATED MATERIAL TO DECK SLAB &amp; ALL WALLS.</p> <p>3. ALL PARTITIONS TO EXTEND TO U/S OF SLAB OR MTL. DECK UNLESS OTHERWISE NOTED.</p> <p>4. ALL EXPOSED MASONRY CORNERS TO BE BULKHEADS - TYPICAL.</p> <p>CONCRETE BLOCK</p> <p>1HR 90mm 75% SOLID 140mm STANDARD</p> <p>2HR 140mm 75% SOLID 190mm 75% SOLID</p>					
<p>AB — anchor bolt</p> <p>ABV — above</p> <p>A/C — air conditioning</p> <p>ACT — Acoustic tile</p> <p>ACU/ST — acoustic</p> <p>AQT — fiberock aqua tough</p> <p>AF — above finished floor</p> <p>AGG — aggregate</p> <p>ALUM, AL — aluminum</p> <p>ANOD — anodized</p> <p>AP — acoustic panel</p> <p>ASPH — asphalt</p> <p>AVB, A/VB — air/vapour barrier</p> <p>BO — board</p> <p>BE — baked enamel</p> <p>BH — bulkhead</p> <p>BLDG — building</p> <p>BLK — block</p> <p>BLKG — blocking</p> <p>BM — bench mark or beam</p> <p>BOT — bottom</p> <p>BR — brick</p> <p>BS, B/S — both sides</p> <p>BSMT — basement</p> <p>BU — built-up</p> <p>BUR — built-up roofing</p> <p>CA — cash allowance</p> <p>CAB — cabinet</p> <p>CAR — carpet</p> <p>CART — carpet tile</p> <p>CB — catch basin or conc.</p> <p>C/C — centre to centre</p> <p>CEM — cement</p> <p>CH — coat hook</p> <p>CJ — control joint</p> <p>C JT — construction joint</p> <p>CL — centre line</p> <p>CLG — ceiling</p> <p>CLNG — ceiling</p> <p>CLK — caulk(ing)</p> <p>CLOS — closet</p> <p>CMT — ceramic mosaic tile</p> <p>CO — cleanout</p> <p>COL — column</p> <p>CONC — concrete</p> <p>COND — conduit</p> <p>CONN — connect or connection</p> <p>CONST — construction</p> <p>CONV — converter</p> <p>CP — control panel</p> <p>CRC — cement plaster ceiling</p> <p>CRC — cold rolled channel</p> <p>CRS — courses</p> <p>CS — convenience shelf</p> <p>CSK — countersunk</p> <p>CT — ceramic tile</p> <p>CTR — centre</p> <p>CW — cold water</p> <p>CWP — crystalline waterproofing</p> <p>CWT — ceramic wall tile</p> <p>DB1, DB2 — decorative block</p> <p>DET — detail</p> <p>DF — drinking fountain</p> <p>DG — door grille</p> <p>DGL — double glazed</p> <p>DIA — diameter</p> <p>DM — dimension</p> <p>DNV — division</p> <p>DO — ditto</p> <p>DN — down</p> <p>DR — drain</p> <p>DS — downspout</p> <p>DWG — drawing</p> <p>EC — emergency call system</p> <p>ECT — electrical change table</p> <p>ELEC — electrical</p> <p>ELEV — elevator</p> <p>EMERG — emergency</p> <p>ENCL — enclosure</p> <p>EP — electrical panel</p> <p>EQ — equal</p> <p>EQUIP — equipment</p> <p>EW — electric water cooler</p> <p>EWPM — exposed waterproofing</p> <p>EXH — exhaust</p> <p>EXIST — existing</p> <p>EXP — exposed</p> <p>EX JT — expansion joint</p> <p>EXT — exterior</p> <p>FA — fire alarm</p> <p>FD — floor drain, or</p> <p>FD — fire damper</p> <p>FDN — foundation</p> <p>FE — fire extinguisher</p> <p>FEC — fire extinguisher cabinet</p> <p>FF — force flow heater</p> <p>F.F. — Finished Floor</p>			<p>FGB — folding grab bar</p> <p>FGLAS — fireglass</p> <p>FHC — fire hose cabinet</p> <p>FIN — finish or finished</p> <p>FIG — figure</p> <p>FL, FLR — floor</p> <p>FRF — fire proofing</p> <p>FRR — fire resistance rating</p> <p>FTG — footing</p> <p>FUT — future</p> <p>GA — gauge</p> <p>GALV — galvanized</p> <p>GB — grab bar</p> <p>GWB — gypsum board</p> <p>GWB-R — water resistant gypsum board</p> <p>GWBH — gypsum board bulkhead</p> <p>GL — glass</p> <p>GR — grade</p> <p>GRAN — granite or granular</p> <p>GRND — ground</p> <p>HB — hose bibb</p> <p>HD — hand dryer</p> <p>HDWR — hardware</p> <p>HM — hollow metal</p> <p>HMS — hollow metal screen</p> <p>HRZR — horizontal</p> <p>HSH — handheld shower</p> <p>HR — hour</p> <p>HT — height</p> <p>HTR — heater</p> <p>HW — hot water</p> <p>IC — included in contract</p> <p>ID — inside dimensions</p> <p>INSUL — insulation or insulated</p> <p>INT — interior</p> <p>INV — invert</p> <p>J or JAN — janitor</p> <p>JT — joint</p> <p>KO — knockout</p> <p>LAM — laminate(s)</p> <p>LAP — lay-in acoustic panel</p> <p>LAT — lateral</p> <p>LAV — lavatory</p> <p>LH — left hand</p> <p>LFT — overhead lift track</p> <p>LS — light standard</p> <p>LSSJ — long-span steel joint</p> <p>LWB — lightweight concrete block</p> <p>M — metres</p> <p>MACH — machine</p> <p>MAT — mineral acoustic tile</p> <p>CONN — connect or connection</p> <p>MAX — maximum</p> <p>MECH — mechanical</p> <p>MEL — melamine</p> <p>TO — metal</p> <p>MEMB — membrane</p> <p>MEZZ — mezzanine</p> <p>MFD — manufactured</p> <p>MTR — manufacture(1)/min.</p> <p>MG — make good</p> <p>MOTIVE — make good to match existing</p> <p>MH — mirror</p> <p>MN — minimum</p> <p>MISC — miscellaneous</p> <p>MM — millimetres</p> <p>MO — masonry opening</p> <p>MRT — marble tile</p> <p>MR — moisture resistance</p> <p>MT — mosaic tile</p> <p>MTD — mounted</p> <p>N/A — not applicable</p> <p>NIC — not included in contract</p> <p>NO — number</p> <p>NOM — nominal</p> <p>NTS — not to scale</p> <p>OA — overall</p> <p>OC — on centre</p> <p>OD — outside dimension</p> <p>OGL — obscure glass</p> <p>OH — overhead</p> <p>OFS — overflow scuppers</p> <p>OPNG — opening</p> <p>OPP — opposite</p> <p>OWSJ — open-web steel joist</p> <p>P — point</p> <p>PA — public address</p> <p>PB — B/F push button</p> <p>PB-1 — B/F push button — to lock</p> <p>PC or PCC — precast concrete</p> <p>PE — porcelain enamel</p> <p>PEP — porcelain enamel panel</p> <p>PERIM — perimeter</p> <p>PERF — perforate(s)</p> <p>PF — prefinished</p> <p>PL — plaster, plote, or properly line</p> <p>PL — plastic laminate</p> <p>PLAM — plate</p> <p>PLT — plaster</p> <p>PLSTR — plywood</p> <p>PML — panel</p> <p>PTD — paper towel dispenser</p> <p>PPN — partition</p>			<p>PT — porcelain tile</p> <p>QT — quarry tile</p> <p>R — resilient (base or flooring), receptacle riser, or radius</p> <p>RAD — radius, radiator</p> <p>RC — recessed convector</p> <p>RCR — rubber continuous base</p> <p>RDR — roof drain</p> <p>REC — recessed</p> <p>RECP — receptacle</p> <p>RENF — reinforced</p> <p>REQ, REQ'D — required</p> <p>REV — revised or revision</p> <p>RFG — rigid fiberglass (insul.)</p> <p>RF — rubber flooring</p> <p>RES — resilient sheet flooring</p> <p>RSF — rubber sports flooring</p> <p>RH — roof hopper</p> <p>RO — rough opening</p> <p>RP — receptacle panel</p> <p>RT — rubber tile</p> <p>RUB — rubber</p> <p>RWL — rainwater leader</p> <p>S — stone</p> <p>Saf — safety</p> <p>SAN — sanitary</p> <p>SCA, SCB — special coating (Type A.B., etc.)</p> <p>SD — soap dispenser</p> <p>SECT — section</p> <p>SFPRG — sprayed fireproofing</p> <p>SGL — single glazed</p> <p>SM — similar</p> <p>SND — sanitary napkin disposal</p> <p>SNV — sanitary napkin vendor/dispenser</p> <p>SPEC — specifications</p> <p>SPD — standard proctor density</p> <p>SF — sports surface flooring</p> <p>SQ — square</p> <p>SRC — semi-recessed convector</p> <p>SS — stainless steel, or slip sink</p> <p>ST or STL — steel</p> <p>STD — standard</p> <p>STM — structural</p> <p>STR or STRUCT — structural</p> <p>SUSP — suspended</p> <p>SV — sheet vinyl flooring</p> <p>SW — switch</p> <p>SWBD — switchboard</p> <p>T — tread or terrazzo</p> <p>TB — tackboard</p> <p>T &amp; G — tongue and grooved</p> <p>TO — toilet tissue dispenser</p> <p>TD — towel dispenser and disposal unit</p> <p>TEL — telephone</p> <p>TER — terrazzo</p> <p>TM — tilted mirror</p> <p>TME — to match existing</p> <p>T/G — top of</p> <p>TP — telephone pole</p> <p>TRANSF — transformer</p> <p>TRR — temperature rise rating</p> <p>TSTAT — thermostat</p> <p>TT — terrazzo tile</p> <p>TY — typical</p> <p>U — up</p> <p>UC — undercut</p> <p>U/F — unfinished</p> <p>UFD — underfloor duct</p> <p>UNO — unless noted otherwise</p> <p>UP or UP — under painted</p> <p>U/S — underside</p> <p>V — varnish</p> <p>VAR — variable or varies</p> <p>VAT — vinyl asbestos tile</p> <p>VB — vapour barrier</p> <p>VCT — vinyl composition tile</p> <p>VENT — ventilated, ventilator or ventilation</p> <p>VERT — vertical</p> <p>VEST — vestibule</p> <p>VOL — volume</p> <p>VWP — vinyl wall panel</p> <p>VF — vinyl faced</p> <p>VT — vinyl tile</p> <p>WBLKG — wood blocking</p> <p>WD — wood</p> <p>WIN — window</p> <p>WDW — window</p> <p>WP — waterproof</p> <p>WPGF — waterproofing</p> <p>W/ — with</p> <p>WPG — wired plate glass</p> <p>WR — washroom</p>								
			DEMOLITION NOTES											
			<p>1. ALL EXISTING ITEMS NOT INCORPORATED INTO THE REVISED LAYOUT TO BE REMOVED AND DISPOSED.</p> <p>2. DISPOSE OF MATERIALS IN LEGAL LANDFILL OR RECYCLING SITES IN ACCORDANCE WITH THE REGION OF YORK REGULATIONS.</p> <p>3. ALL EXISTING SURFACES AND PARTITIONS ETC. WHICH ARE TO REMAIN SHALL BE PROTECTED DURING DEMOLITION.</p> <p>4. MAKE GOOD ALL DISTURBED SURFACES, ADJACENT FLOORS, WALLS AND CEILINGS TO MATCH EXISTING AFTER COMPLETION OF WORK, UNLESS OTHERWISE NOTED.</p>											
			CONSTRUCTION NOTES											
			<p>1. MAINTAIN ANY EXISTING FIRE RATED SEPARATIONS &amp; ASSEMBLIES. MAKE GOOD ANY FIREPROOFING DISTURBED BY CONSTRUCTION.</p> <p>2. GENERAL CONTRACTOR SHALL CUT WALLS, FLOOR ETC., FOR MECHANICAL AND ELECTRICAL ACCESS AND SERVICES TO SUIT REQUIRED DIMENSIONS.</p> <p>3. FILL ALL OPENINGS &amp; CRACKS DUE TO REMOVAL OF EXISTING PIPES, DUCTS, CONDUITS &amp; FITMENTS PRIOR TO FINISHING FLOORS &amp; WALLS.</p> <p>4. MAKE GOOD ALL PENETRATIONS THROUGH FIRE SEPARATIONS. ALL PENETRATIONS TO BE SEALED WITH RATED MATERIAL. REPAIR EXISTING SPRAYED ON FIREPROOFING AT ALL EXISTING DAMAGED AREAS AND WHERE DISTURBED BY THE WORK OF THIS CONTRACT. MAXIMUM FLAME-SPREAD RATING OF 150 FOR ALL INTERIOR FINISHES.</p> <p>5. MODIFY TELEPHONE, ELECTRICAL ALARM &amp; HVAC AS REQUIRED REFER TO M&amp;E DRAWINGS.</p> <p>6. ALL EXPOSED DUCTWORK, CONDUIT AND M&amp;E EQUIPMENT TO BE PAINTED TO MATCH ADJACENT SURFACES UNLESS SPECIFICALLY NOTED. CONFIRM ALL FINISHES WITH ARCHITECT PRIOR TO PROCEEDING.</p> <p>7. SEE M &amp; E DRAWINGS FOR RE-LOCATION AND/OR REMOVAL OF OBSOLETE EQUIPMENT. PATCH &amp; MAKE GOOD AND FINAL FINISH TO MATCH NEW CONDITION</p> <p>8. HAZARDOUS AND DESIGNATED SUBSTANCES IF HAZARDOUS MATERIALS / DESIGNATED SUBSTANCES ARE ENCOUNTERED DURING CONSTRUCTION, OWNER IS TO BE NOTIFIED IMMEDIATELY. MATERIALS ARE NOT TO BE REMOVED BY CONTRACTOR. CONTRACTOR TO COORDINATE W/ OWNER AND OWNER'S CONTRACTOR.</p> <p>9. ENTIRE FLOOR AREA: PROVIDE COVERS FOR ALL OPENINGS, SOCKETS, ETC. TO EXISTING UNDER FLOOR RACEWAY SYSTEM. PATCH OVER AND SEAL ALL CUTTING, DRILLING AND BORING OF EXISTING FLOOR OR STRUCTURAL CEILING SLAB MUST ENSURE INTEGRITY OF STRUCTURAL SYSTEM (IE. REBAR, STEEL, ETC.) FIRE PROTECTION AND AIR TIGHTNESS ARE MAINTAINED.</p> <p>10. COORDINATE ALL CUTTING AND PATCHING AROUND SERVICES ETC., PENETRATING EXISTING OR NEW WALLS TO MAINTAIN STRUCTURAL, FIRESTOPPING, AIR TIGHTNESS INTEGRITY AND APPEARANCE. FINISH ALL OPENINGS AROUND DUCTS &amp; OTHER OPENINGS, ETC. WITH DRYWALL PRIOR TO DUCT PLACEMENT-TAPE, SEAL &amp; PRIME. PROVIDE FIRE STOPPING / AIR BARRIER SEALANT BETWEEN DUCT, ETC. AND DRYWALL PERIMETER. MAKE GOOD ALL SURFACES FOR FINAL FINISH.</p> <p>11. ALL EQUIPMENT LOCATIONS TO BE COORDINATED WITH THE OWNER. EQUIPMENT LOCATIONS INDICATED ARE FOR INFORMATION ONLY - CONTRACTOR TO COORDINATE INTERACTING TRADES TO FACILITATE FULL OPERATION WHEN THE EQUIPMENT IS INSTALLED BY OWNER.</p> <p>12. MOBBY CEILING &amp; LIGHTING AT EXISTING AREAS AS REQD.</p> <p>13. CONTRACTOR SHALL CHALK/LINE ALL PARTITIONS AND EQUIPMENT POSITIONS FOR REVIEW &amp; APPROVAL BY OWNER PRIOR TO COMMENCEMENT OF WORK. IF CONFLICT ARISES BETWEEN DRAWINGS AND FIELD MEASUREMENTS THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ARCHITECT FOR DIRECTION. AT NO TIME SHALL THE CONTRACTOR PROCEED IN UNCERTAINTY.</p> <p>14. ALL ELECTRICAL BOXES, PENETRATIONS, ETC. THROUGH WALLS DESIGNATED TO BE AIR-TIGHT TO BE AIR SEALED.</p> <p>15. ELECTRONIC COPIES OF THE ARCHITECTURAL DRAWINGS FOR THIS PROJECT FOR USE IN THE PREPARATION OF SHOP DRAWINGS AND AS-BUILT DRAWINGS (AND FOR NO OTHER PURPOSE) ARE AVAILABLE. DRAWINGS ARE IN AUTOCAD LATEST VERSION FILE FORMATS. THE DRAWINGS ARE AVAILABLE AS-BIS AND AT A COST OF \$100.00 PER DRAWING WITH A MINIMUM OF \$400.00 PER SUBMISSION. THE DRAWINGS WILL BE PROVIDED WITHOUT ANY TITLE BLOCKS OR SEALS.</p>											
			DEMOLITION LEGEND											
			<p>EXISTING DOOR TO REMAIN</p> <p>DOOR TO BE DEMOLISHED</p> <p>ACT TO BE DEMOLISHED</p> <p>E DENOTES: EXISTING DEVICE TO REMAIN</p> <p>ER DENOTES: EXISTING DEVICE TO BE RELOCATED</p> <p>R DENOTES: EXISTING DEVICE TO BE REMOVED AND DISPOSED</p> <p>REFER TO MECHANICAL &amp; ELECTRICAL DRAWINGS FOR LIGHT FIXTURES, GRILLES, DIFFUSERS &amp; DEVICES. LOCATIONS TO BE CONFIRMED.</p>											
			CONSTRUCTION LEGEND											
			<p>NEW DOOR</p> <p>NEW WALL</p> <p>NEW ACT</p> <p>N DENOTES: NEW DEVICE</p> <p>RL DENOTES: EXISTING RELOCATED DEVICE</p>											





1 EXISTING PHOTOS – CORRIDOR 200



2 EXISTING GIRLS WR 216



3 EXISTING BOYS WR 217



4 EXISTING GIRLS CHANGE RM 130B



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3	FEB 5 2026	ISSUED FOR PERMIT AND TENDER
2	JAN 30 2026	ISSUED FOR CLIENT REVIEW
1	DEC 5 2025	ISSUED FOR REVIEW

Revisions, Issues

Project:  
**WASHROOM RENOVATIONS**  
**BELLWOOD PS**  
30 BELLWOOD DR.  
WHITBY, ON L1N 8M4

T26-12

Title:  
EXISTING PROJECT  
PHOTOS

Scale:  
As Noted

Date:  
DEC 1 2025

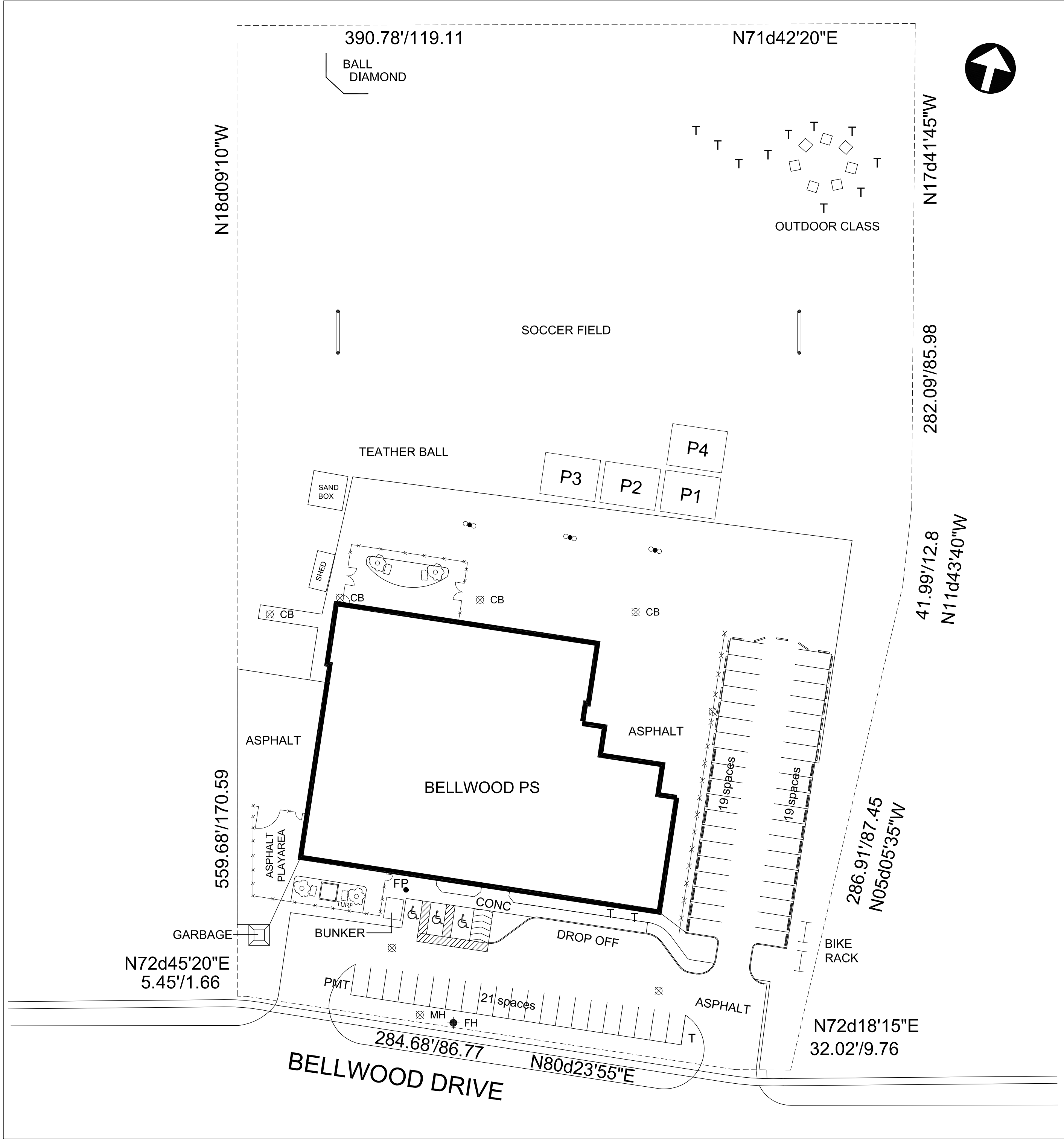
Project:  
25-30

Drawn By:

Drawing:  
**A004**



2 EXISTING AERIAL LOCATION PLAN  
SCALE NTS



1 EXISTING SITE PLAN  
SCALE 1:500

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Revisions, Issues

Project:

**WASHROOM RENOVATIONS**

**BELLWOOD PS**

30 BELLWOOD DR.  
WHITBY, ON L1N 8M4

T26-12

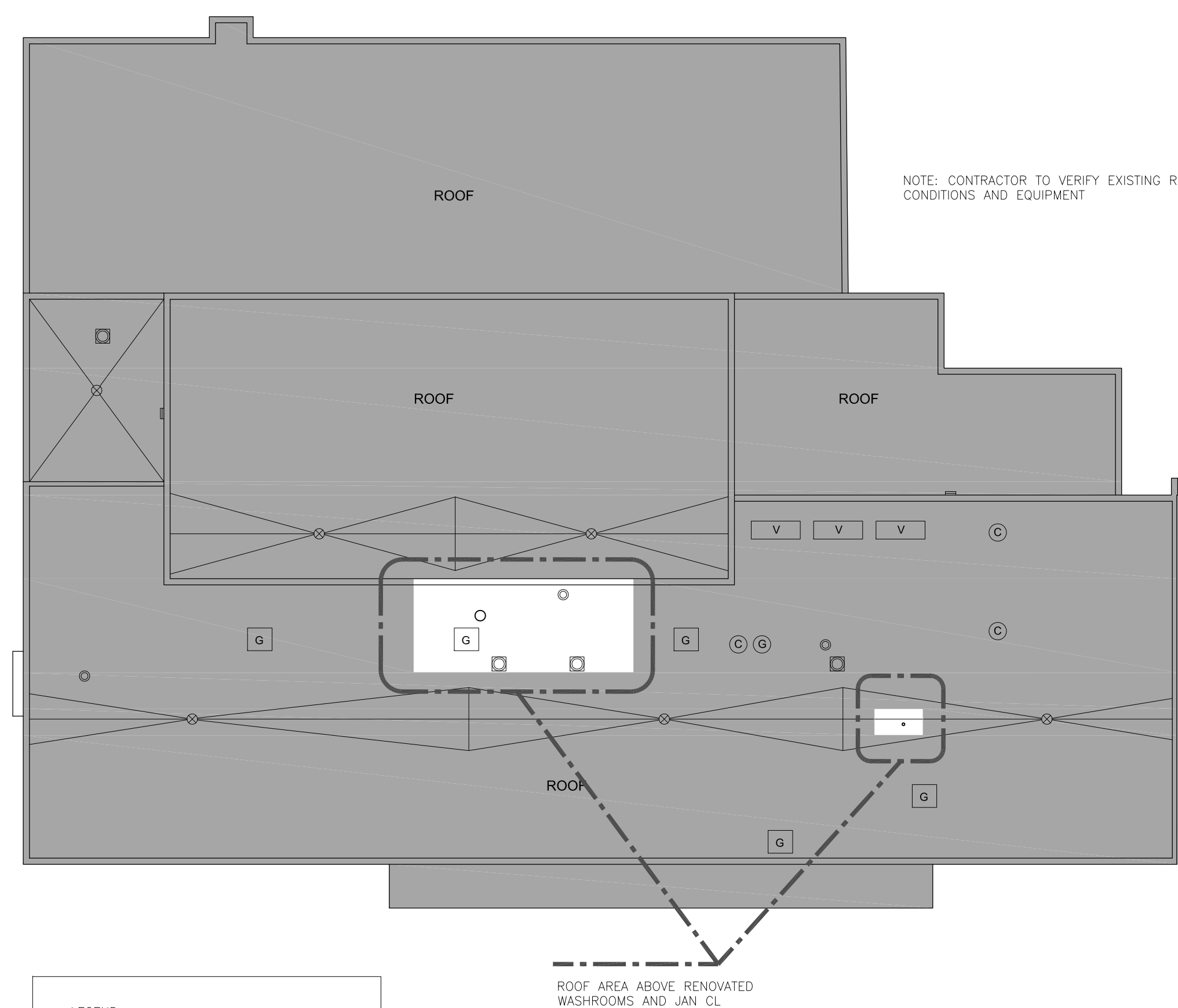
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EXISTING SITE PLAN

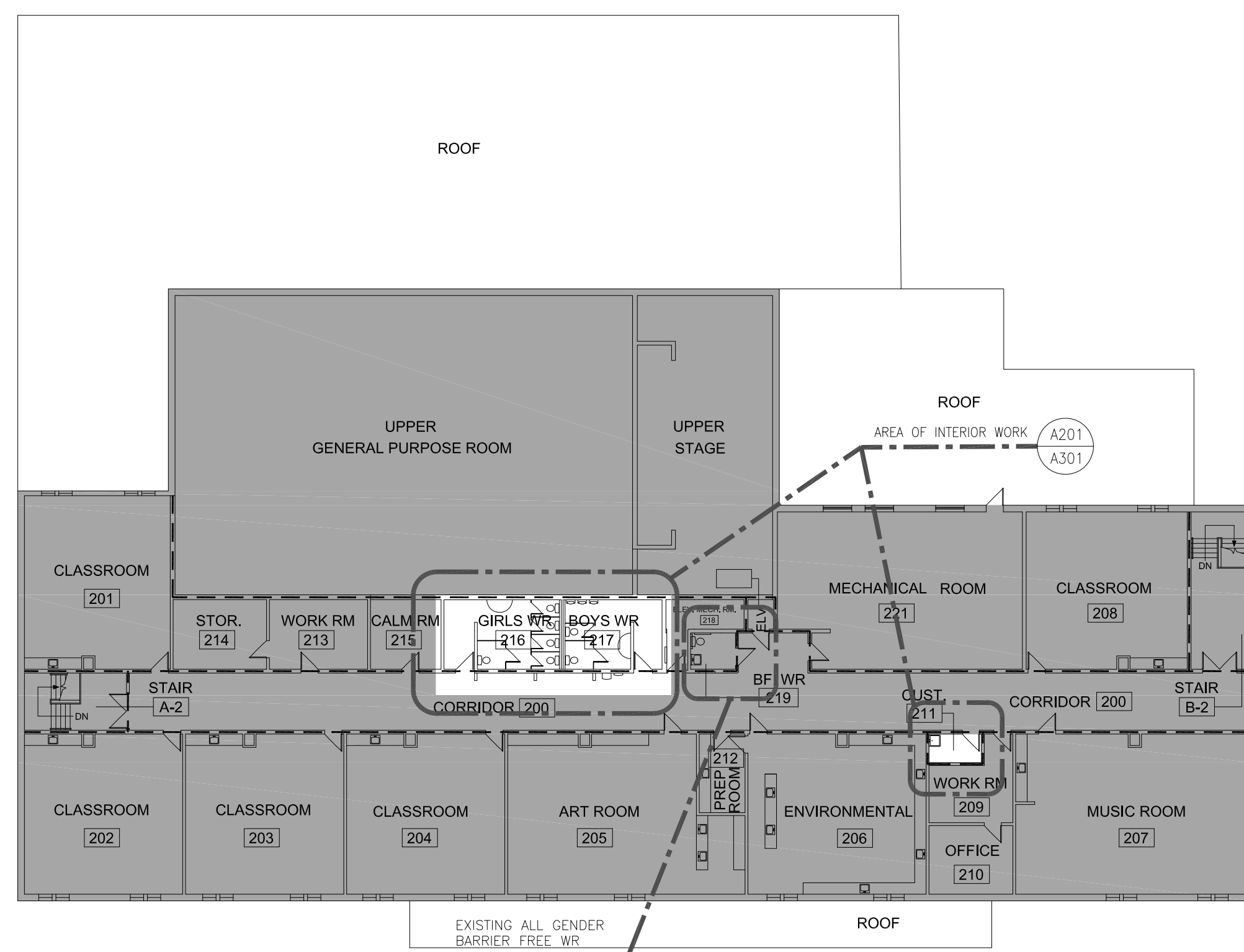
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25-30		

DATE PLOTTED: FEB 05 2026

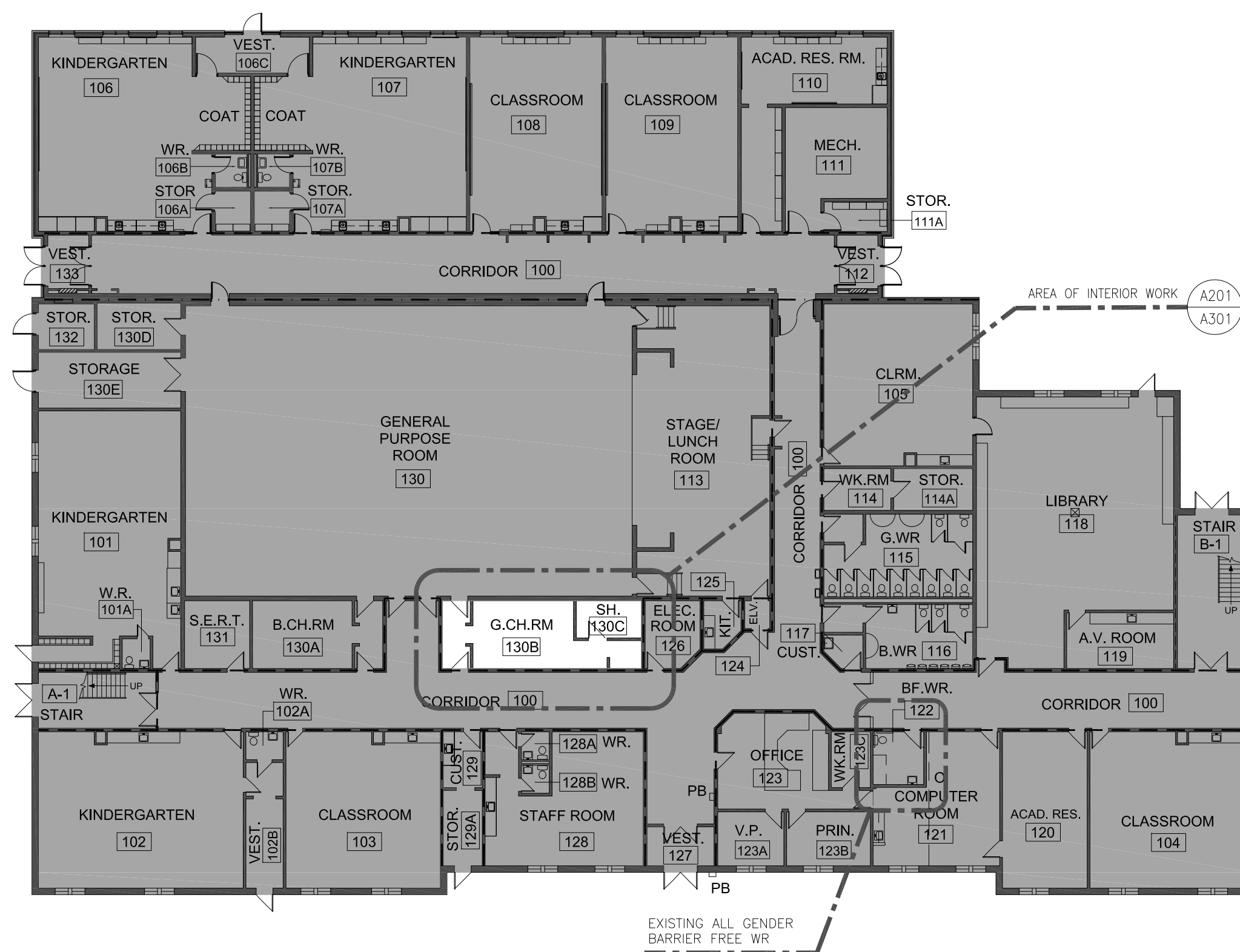
• PLOT SCALE 1:1 AT 34x36 SHEET SIZE READ DRAWING ACCORDINGLY  
• PLOT SCALE 1:2 AT 11x17 SHEET SIZE READ DRAWING ACCORDINGLY



3 EXISTING ROOF KEY PLAN  
SCALE 1:250



2 EXISTING 2ND FLOOR KEY PLAN  
SCALE 1:250



1 EXISTING GROUND FLOOR KEY PLAN  
SCALE 1:250

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DO NOT SCALE DRAWINGS.

LEGEND:

- DENOTES EXISTING BUILDING (NOT AREA OF WORK)
- DENOTES 1HR RATED WALL
- DENOTES 2HR RATED WALL

3	FEB 5 2026	ISSUED FOR PERMIT AND TENDER
2	JAN 30 2026	ISSUED FOR CLIENT REVIEW
1	DEC 5 2025	ISSUED FOR REVIEW

Revisions, Issues

Project:  
**WASHROOM RENOVATIONS**  
**BELLWOOD PS**  
30 BELLWOOD DR.  
WHITBY, ON L1N 8M4

Title:  
EXISTING FLOOR  
KEY PLANS

Scale: As Noted Date: DEC 1 2025 Drawing: A102

Project: 25-30 Drawn By:

DATE PLOTTED: FEB 05 2026

• PLOT SCALE 1:1 AT 3438 SHEET SIZE READ DRAWING ACCORDINGLY  
• PLOT SCALE 1:2 AT 11X17 SHEET SIZE READ DRAWING ACCORDINGLY

DEMOLITION NOTES:

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.

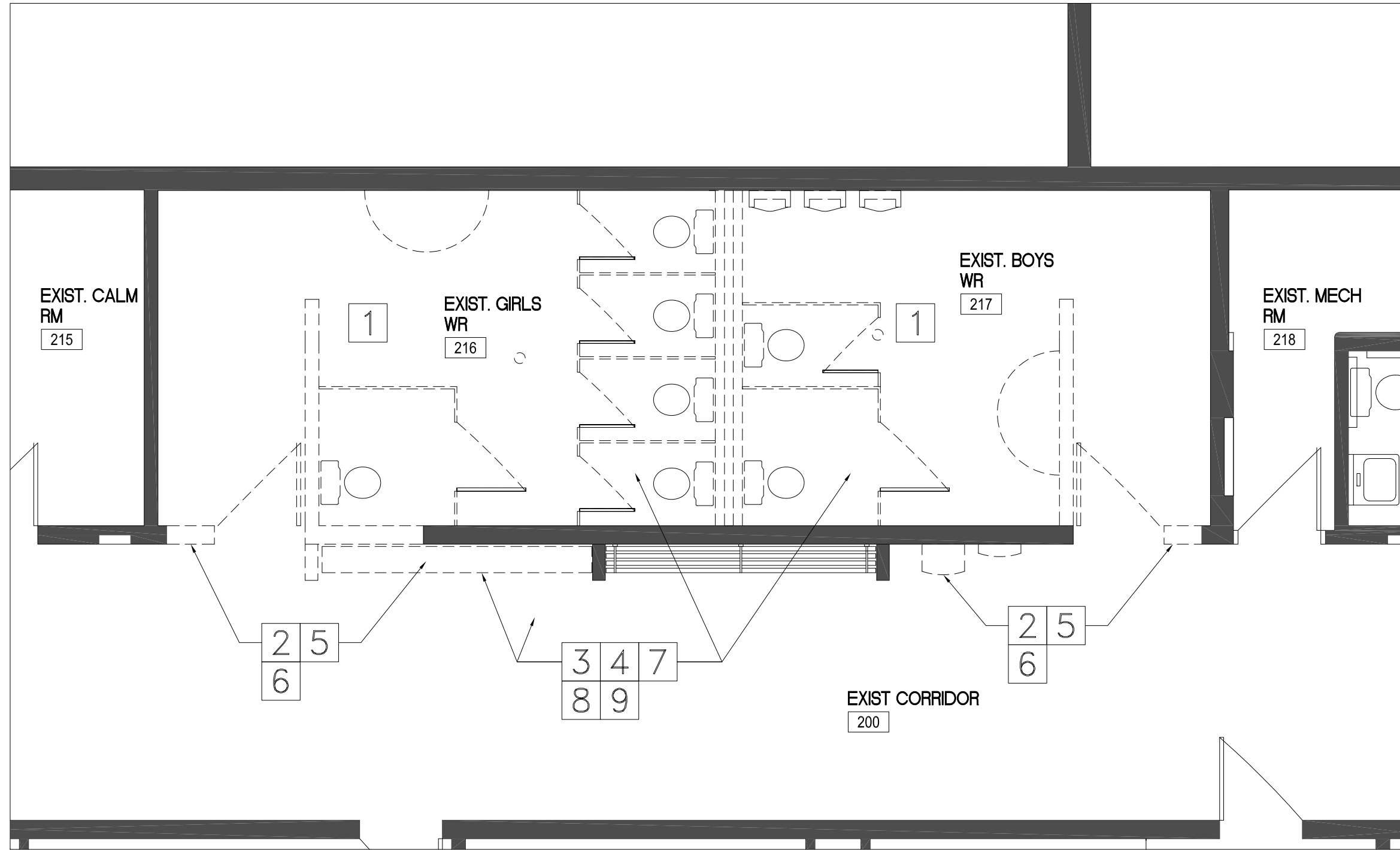
- AT EXISTING GIRLS WASHROOM 216 AND BOYS WASHROOM 217:
  - REMOVE FLOOR AND WALL FINISHES, FIXTURES, TOILET PARTITIONS, WR ACCESSORIES
  - REMOVE WALL PARTITIONS BETWEEN WASHROOMS AND AT ENTRY AREAS AS NOTED ON PLAN
  - PREPARE EXISTING FLOOR AT NEW WRs AND NEW CORRIDOR AREA TO SLOPE TO NEW FLOOR DRAIN AND LEVELLED FOR NEW FLOORING AS SPECIFIED
  - PREPARE EXISTING FLOOR TO BE LEVELED TO RECEIVE NEW FLOORING AS SPECIFIED (TYPICAL)
  - WASHROOM ACCESSORIES TO BE TURNED OVER TO THE SCHOOL
  - REMOVE SUSPENDED T-BAR CEILINGS, CEILING TILES, AND ACCESSORIES
  - ALL WALLS, FLOORS, CEILING AND BULKHEADS AFFECTED FOR THIS SCOPE OF WORK TO PATCH AND MAKE GOOD ALL DISTURBED AREA TO MATCH EXISTING
  - REFER M&E DWGS FOR ALL M&E DEMOLITIONS AND RELOCATIONS
  - REFER STRUCTURAL DWGS FOR ALL STRUCTURAL SUPPORT AND DETAILS
- AT EXISTING CORRIDOR 212:
  - REMOVE MASONRY PARTITION, DOORS AND DOOR FRAMES BETWEEN THE CORRIDOR AND EXISTING WASHROOMS AS NOTED ON PLAN
  - REMOVE PARTIAL HEIGHT MASONRY WALL AND ADJACENT SHELVING AS NOTED ON PLAN. TURN OVER SHELVING TO OWNER.
  - ALL WALLS, FLOORS, CEILINGS AND BULKHEADS AFFECTED FOR THIS SCOPE OF WORK TO PATCH AND MAKE GOOD ALL DISTURBED AREA TO MATCH EXISTING
  - REFER M&E DWGS FOR ALL M&E DEMOLITIONS AND RELOCATIONS
  - REFER STRUCTURAL DWGS FOR ALL STRUCTURAL SUPPORT AND DETAILS
- ALL DEMOLITIONS AFFECTED FOR THIS SCOPE OF WORK:
  - PATCH AND MAKE GOOD ALL DISTURBED AREA TO MATCH EXISTING - TYPICAL
- ALL M&E DEMOLITION/RELOCATIONS REFER M&E DWGS - TYPICAL
  - ALL OPENINGS ON EXISTING WALLS/FLOORS/CEILINGS AFFECTED FOR THIS SCOPE OF WORK TO BE PATCHED AND MAKE GOOD TO MATCH EXISTING + ALL FIRE RATED AREAS TO BE FIRESTOPPED AND SMOKE SEALED WITH RATED MATERIAL TO MATCH EXISTING - TYPICAL
- WHERE EXISTING FLOOR/CEILING AT EXISTING CORRIDOR AFFECTED FOR THIS SCOPE OF WORK AND/OR TO BE CUT FOR NEW M&E SERVICES:
  - REMOVE EXISTING VCT AS REQUIRED AND SUPPLY/INSTALL NEW VCT TO MATCH EXISTING (TYP.)
  - REMOVE AND REWORK EXISTING ACT/GWB CEILING AS NEEDED TO SUIT ALL NEW M&E WORK
  - PATCH AND MAKE GOOD ALL DISTURBED AREA TO MATCH EXISTING (TYP.)
  - REFER M&E DWGS FOR THE EXTENT OF M&E WORK (TYPICAL)
- EXISTING WALLS AT CORRIDOR:
  - ALL OPENINGS IN THE AREA OF WORK TO BE INFILLED, FIRE STOPPED AND SMOKE SEALED WITH RATED MATERIAL (TYPICAL). NEW MASONRY INFILL TO MATCH EXISTING.
- REFER STRUCTURAL DWGS FOR ALL STRUCTURAL SUPPORT AND DETAILS (TYPICAL)
- DUSTPROOF PARTITIONS SHALL CONSIST OF 25 GAUGE STEEL STUDS WITH STABILIZER BAR, EXTEND FROM FLOOR TO THE UNDERSIDE OF CEILING OR ROOF DECK, WITH DUST CONTROL 10 MIL POLYETHYLENE ABOVE CEILING WHERE NEEDED. APPLY 16 MM TYPE X GYPSUM WALL BOARD SCREWED TO STEEL STUDS WITH TAPED JOINTS TO PREVENT DUST GOING INTO OCCUPIED SPACES. LOCKABLE TEMPORARY HOLLOW METAL DOOR AND FRAME INTO WORKSPACE TO PREVENT STAFF OR STUDENTS FROM ENTERING.
- ALL ITEMS EXISTING NOT INCORPORATED INTO THE REVISED LAYOUT TO BE REMOVED AND DISPOSED OF UNLESS NOTED. MAKE GOOD ALL DISTURBED SURFACES, ADJACENT FLOORS, WALLS AND CEILINGS TO MATCH EXISTING AFTER COMPLETION OF WORK, UNLESS OTHERWISE NOTED
  - ALL ABANDONED ELECTRIC PANELS, EQUIPMENT, CONDUIT, ETC., TO BE REMOVED
  - GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS ON SITE PRIOR TO INSTALLATION OF NEW WORK
- REMOVE EXISTING ACT CEILING AS REQUIRED TO SUIT NEW M&E SERVICES. RESTORE, PATCH AND MAKE GOOD ALL DISTURBED AREAS TO MATCH EXISTING.

CONCRETE CUTTING AND CORING:

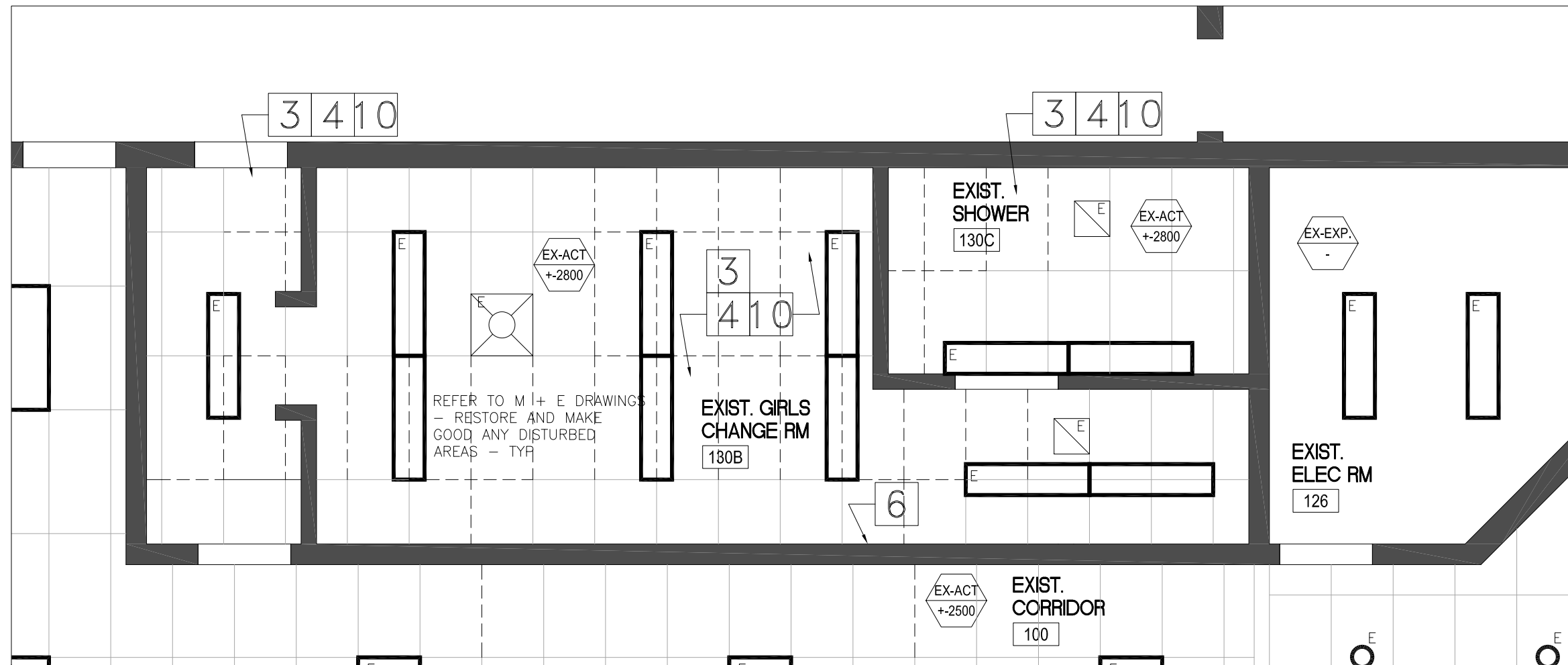
- PRIOR TO CUTTING OR CORING ANY CONCRETE SLAB OR ON GRADE, OR ANY CONCRETE BEAM, INVESTIGATE BY TELEMETRICALLY SCANNING THE ELEMENT FOR PRESENCE OF EMBEDDED SERVICES (PIPING, CABLING, CONDUIT, ETC.), AND FOR LOCATIONS OF REINFORCING STEEL IN CONCRETE SLABS AND BEAMS.
- ACCEPTABLE TELEMETRIC SCANNING SYSTEMS INCLUDE:
  - X-RAY SCANNING OF SLABS AND FOR CONCRETE BEAMS. (GROUND-PENETRATING) RADAR FOR SLAB ON GRADE, FOR SLABS AND FOR CONCRETE BEAMS.
  - MAGNETIC RADIO SCANNERS NOT ACCEPTABLE FOR TELEMETRIC CANNING. THE TERM X-RAYS INCLUDE GAMMA RAY METHODS, AND PROCEDURES THAT USE ELECTRICALLY GENERATED X-RAYS.
  - WHERE X-RAYS EMPLOYED:
    - PROVIDE OWNER MINIMUM 5 WORKING DAYS ADVANCE NOTICE OF SCANNING TIME IN ORDER TO PROVIDE SUFFICIENT ADVANCE NOTICE TO PERSONNEL THAT MAY BE AFFECTED BY THE X-RAY WORK.
    - CONFORM TO OWNER'S RADIATION PROTECTION REQUIREMENTS PRIOR TO START OF ANY XRAY WORK.
    - PROVIDE OWNER AND CONSULTANT WITH INSPECTION AGENCY'S WRITTEN REPORT, SUMMARIZING INVESTIGATIONS AND CONCLUSIONS.
    - OBTAIN CONSULTANT'S DIRECTION WHERE INVESTIGATIONS REVEAL THAT CUTTING OR CORING REQUIRED IN CONTRACT WOULD CUT OR DAMAGE EMBEDDED SERVICES, OR CUT OR DAMAGE REINFORCING STEEL IN CONCRETE SLABS OR BEAMS.
    - EXECUTE CUTTING AND CORING TO PREVENT DAMAGE TO ALL EMBEDDED SERVICES. MAKE GOOD ALL DAMAGE ARISING FROM CUTTING EMBEDDED SERVICES.
    - EXECUTE CUTTING AND CORING TO PREVENT DAMAGE (CUTTING IN WHOLE OR IN PART) REINFORCING STEEL IN CONCRETE SLABS WITH CONSULTANT'S PRIOR AUTHORIZATION.
    - MAKE GOOD ALL DAMAGE ARISING FROM CUTTING REINFORCING STEEL IN CONCRETE SLABS AND BEAMS.

ADDITIONAL CEILING DEMOLITION NOTES:

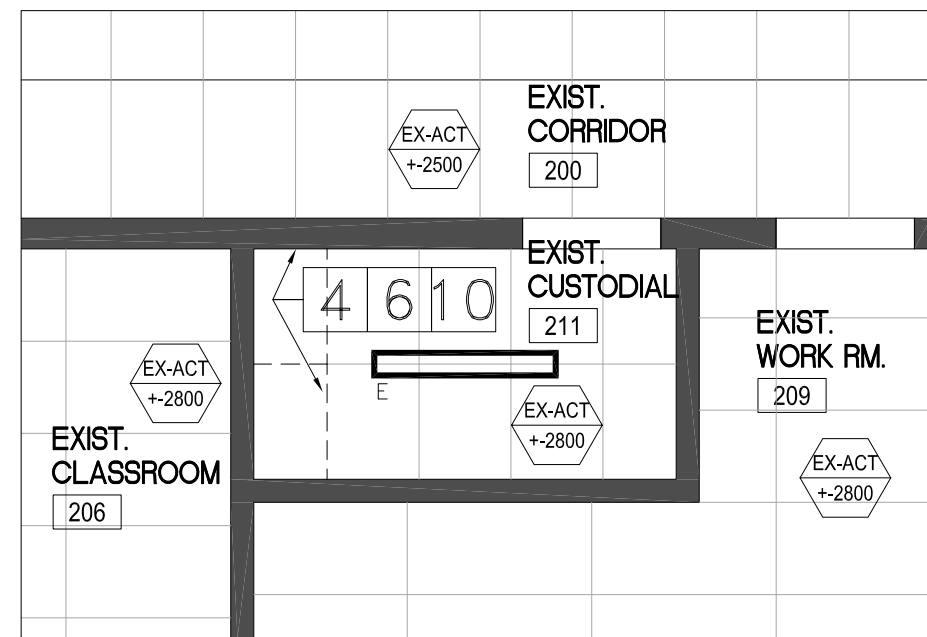
- FOR ALL M&E DEMOLITION/RELOCATIONS (ON WALLS AND CEILING) INCLUDING BUT NOT LIMITED TO HVAC DIFFUSERS/ RETURNS; EXHAUST FANS; SPRINKLERS; ETC. REFER TO M&E DWGS (TYPICAL).
- WHERE EXISTING ACT/GWB CEILING AFFECTED FOR THIS SCOPE OF WORK FOR NEW M&E SERVICES:
  - REMOVE AND REWORK EXISTING ACT/GWB CEILING AS NEEDED TO SUIT ALL NEW M&E WORK
  - REFER M&E DWGS FOR THE EXTENT OF M&E WORK (TYP.)
- PATCH AND MAKE GOOD ALL DISTURBED AREA TO MATCH EXISTING (TYP.)
- ALL DISTURBED FIREPROOFING AREA TO BE RESTORED, FIRE-STOPPED AND SMOKE SEALED TO MATCH EXISTING TYP.



1 PART 2ND FLOOR DEMOLITION PLAN  
AT EXISTING CORRIDOR AND WASHROOMS SCALE 1:50



2 PART GROUND FL RCP DEMOLITION PLAN  
EXIST CHANGE RM SCALE 1:50



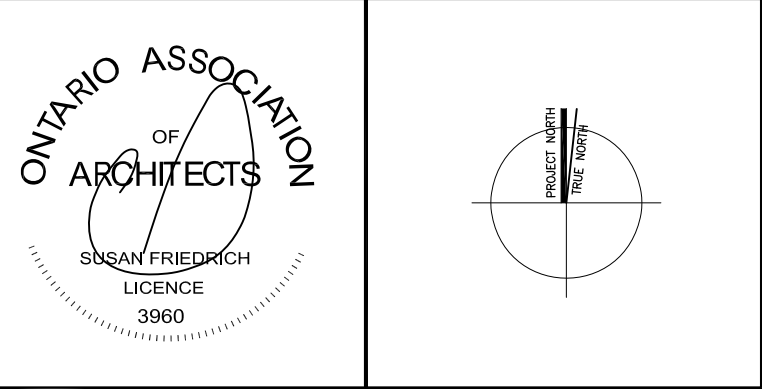
3 PART 2ND FL RCP DEMO PLAN  
EXIST CUSTODIAL. 211 SCALE 1:50

3	FEB 5 2026	ISSUED FOR PERMIT AND TENDER
2	JAN 30 2026	ISSUED FOR CLIENT REVIEW
1	DEC 5 2025	ISSUED FOR REVIEW

Revisions, Issues

Project: <div>WASHROOM RENOVATIONS</div> <div>BELLWOOD PS</div> <div>30 BELLWOOD DR.</div> <div>WHITBY, ON L1N 8M4</div>			T26-12
Title: <div>PART FLOOR PLANS</div> <div>DEMOLITION</div>			
Scale: As Noted	Date: DEC 4 2025	Drawing: <div>A201</div>	
Project: 25-30	Drawn By:		

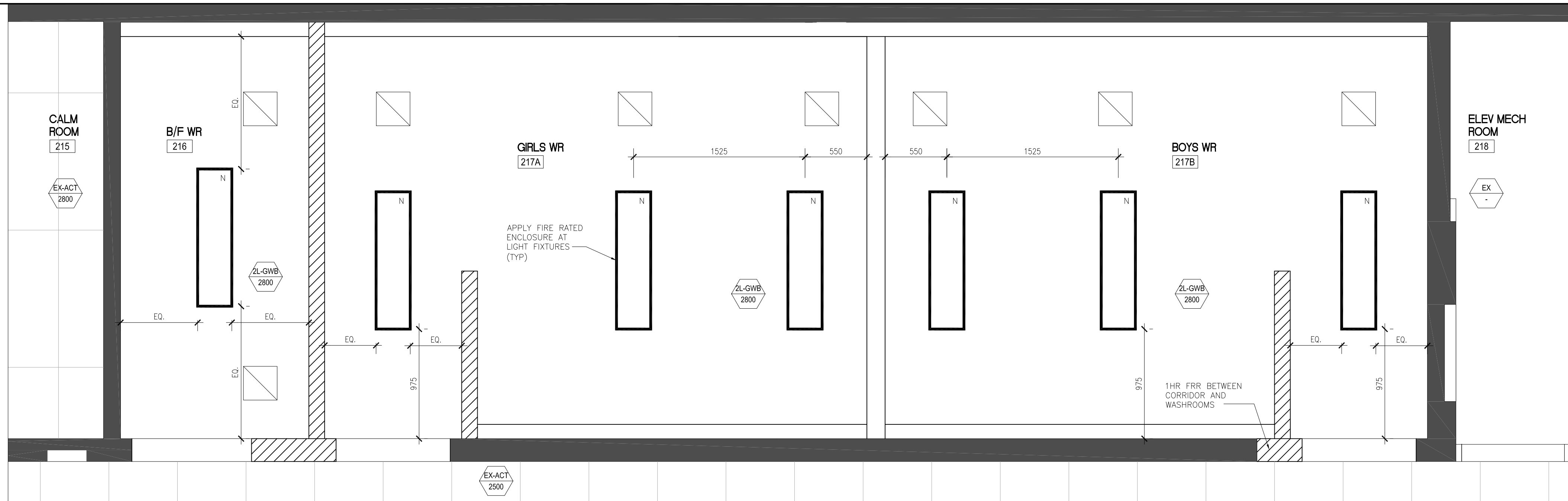
DATE PLOTTED: FEB 05 2026



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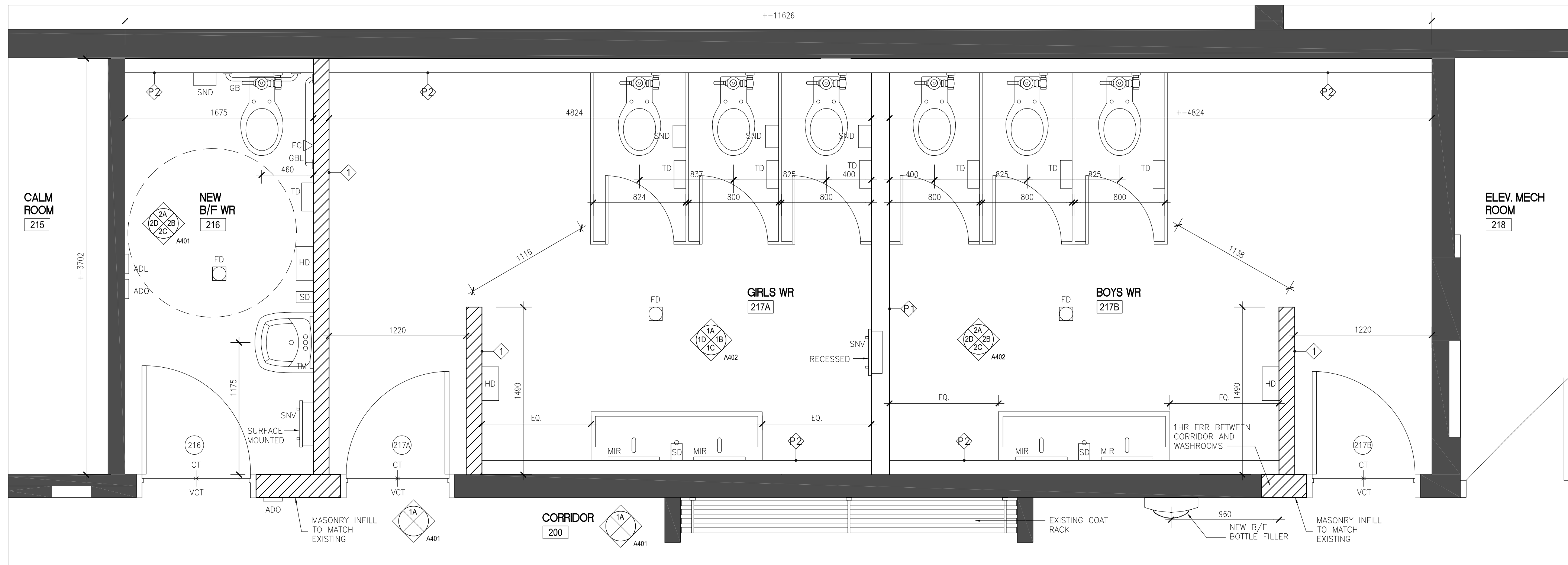
DO NOT SCALE DRAWINGS.

• PLOT SCALE 1:12 AT 34x36" SHEET SIZE READ DRAWINGS ACCORDINGLY  
• PLOT SCALE 1:12 AT 11x17" SHEET SIZE READ DRAWING ACCORDINGLY



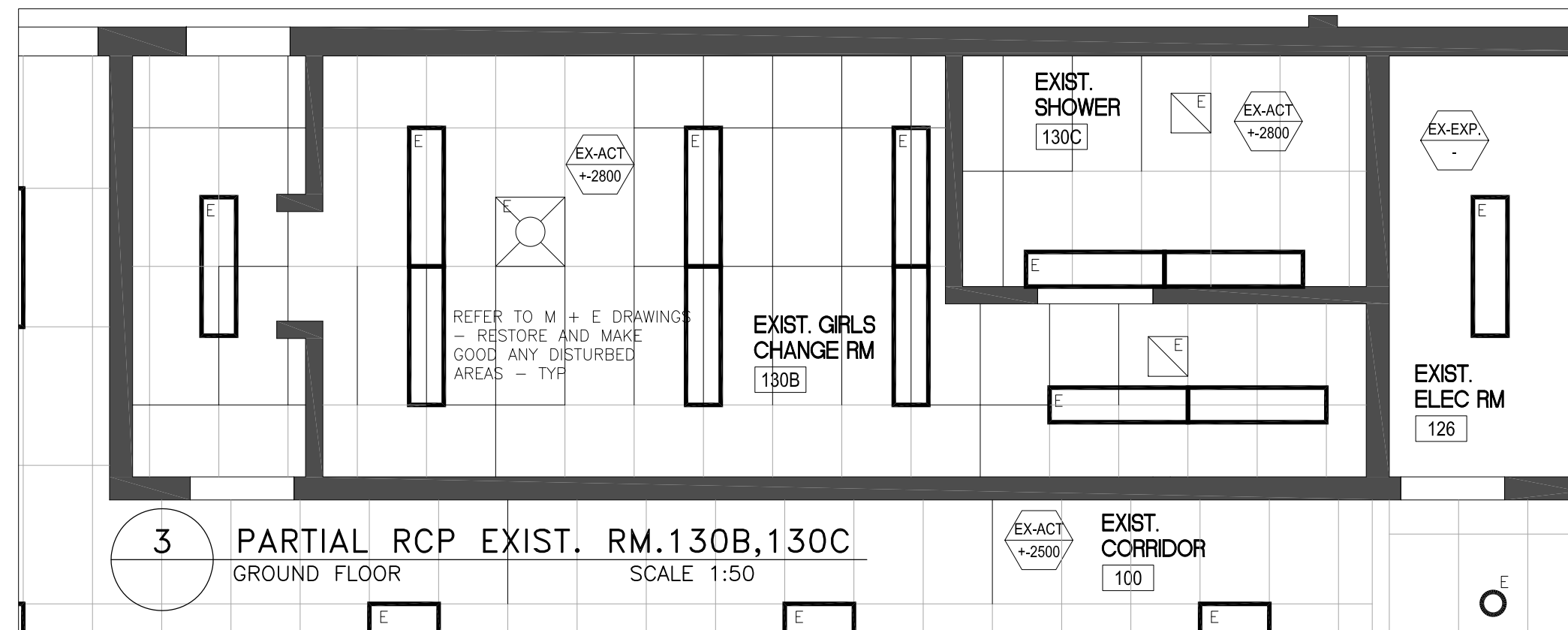
1 PARTIAL 2ND FLOOR RCP — NEW WASHROOMS  
SCALE 1:25

- RCP NOTES AT NEW WASHROOMS AND NEW CORRIDOR:
- AT 2-LAYER GWB CEILING APPLY DOUBLE LAYER 16MM TYPE X GYPSUM BOARD W/ 64MM (18MLS) STEEL STUDS @406MM O.C.  
1HR RATING BY MEMBRANE ONLY PER OBC SB2 TABLE 2.3.12.
  - ALL PENETRATIONS TO BE FIRE STOPPED IN CONFORMANCE WITH ARTICLE 3.1.9.1. OF DIVISION B OF THE ONTARIO BUILDING CODE
  - APPLY FIRE RATED ENCLOSURES AT LIGHT FIXTURES (TYP) — REFER TO ELEC. DWGS



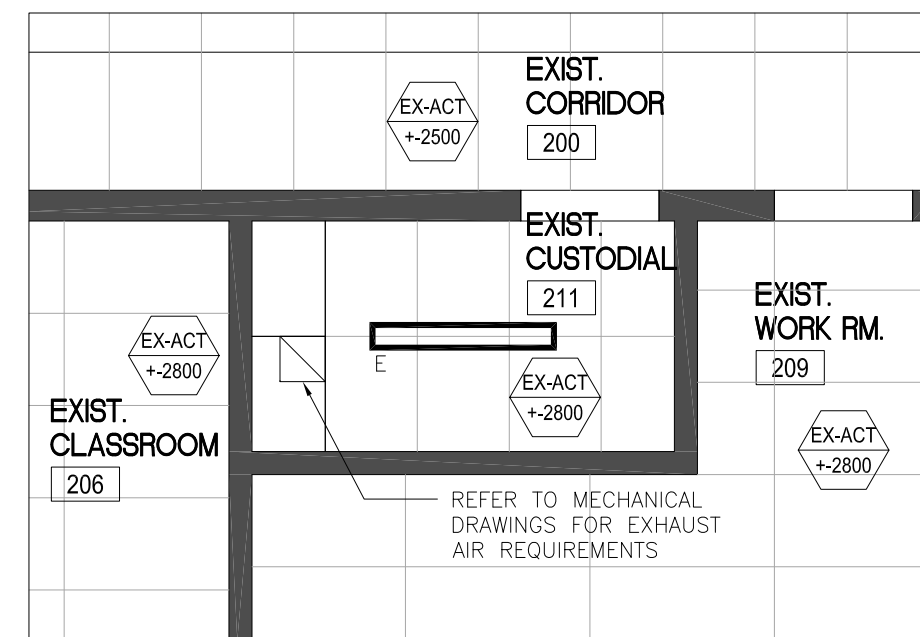
2 PARTIAL 2ND FLOOR PLAN — NEW WASHROOMS  
SCALE 1:25

- NOTES AT GROUND FL RCP:
- GC TO RESTORE AND MAKE GOOD ALL DISTURBED CONDITIONS AT GIRLS CHANGE ROOM, SHOWER ROOM, AND ADJACENT SPACES — TYP



3 PARTIAL RCP EXIST. RM.130B,130C  
GROUND FLOOR SCALE 1:50

- PLAN NOTES:
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE TO FLOOR DRAINS
- ALL CONDUIT TO BE INSTALLED WITHIN MASONRY AND STUD WALL PARTITIONS — TYP



4 PARTIAL RCP EXIST. RM.211  
2ND FLOOR SCALE 1:50

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4	JAN 30 2026	ISSUED FOR CLIENT REVIEW
3	DEC 19 2025	ISSUED FOR REVIEW
2	DEC 05 2025	ISSUED FOR REVIEW
1	DEC 04 2025	ISSUED FOR CLIENT REVIEW

Revisions, Issues

Project:

**WASHROOM RENOVATIONS**

**BELLWOOD PS**

30 BELLWOOD DR.  
WHITBY, ON L1N 8M4

T26-12

Title:

PART FLOOR PLANS + RCP

Scale:

As Noted

Date:

DEC 2 2025

Drawing:

A301

Project:

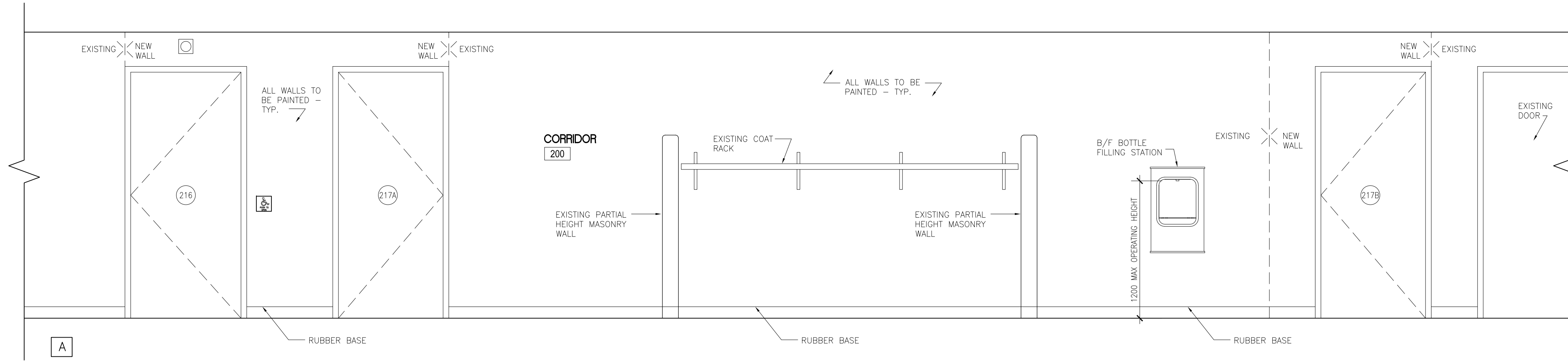
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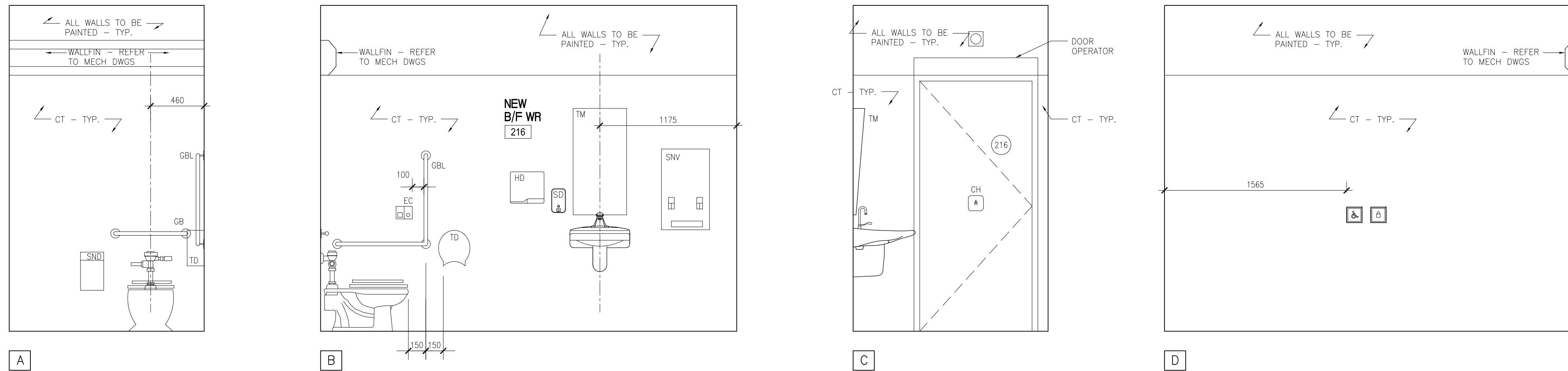
DATE PLOTTED:

FEB 05 2026

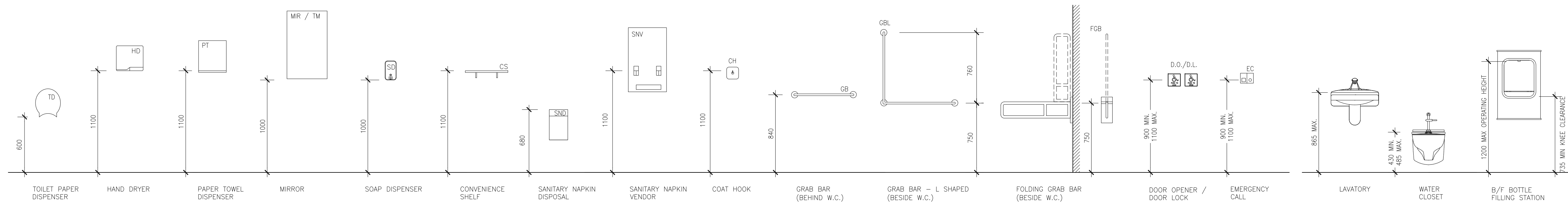
• PLOT SCALE 1:1 AT 3435 SHEET SIZE READ DRAWINGS ACCORDINGLY  
• PLOT SCALE 1:2 AT 1117 SHEET SIZE READ DRAWINGS ACCORDINGLY



1 INTERIOR ELEVATION – CORRIDOR 200  
SCALE 1:25



2 INTERIOR ELEVATION – B/F WASHROOM 216  
SCALE 1:25



3 TYPICAL WR FIXTURE AND ACCESSORY HEIGHTS  
SCALE 1:25

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1	DEC 5 2025	ISSUED FOR REVIEW

Revisions, Issues

Project:  
**WASHROOM RENOVATIONS**  
**BELLWOOD PS**  
30 BELLWOOD DR.  
WHITBY, ON L1N 8M4

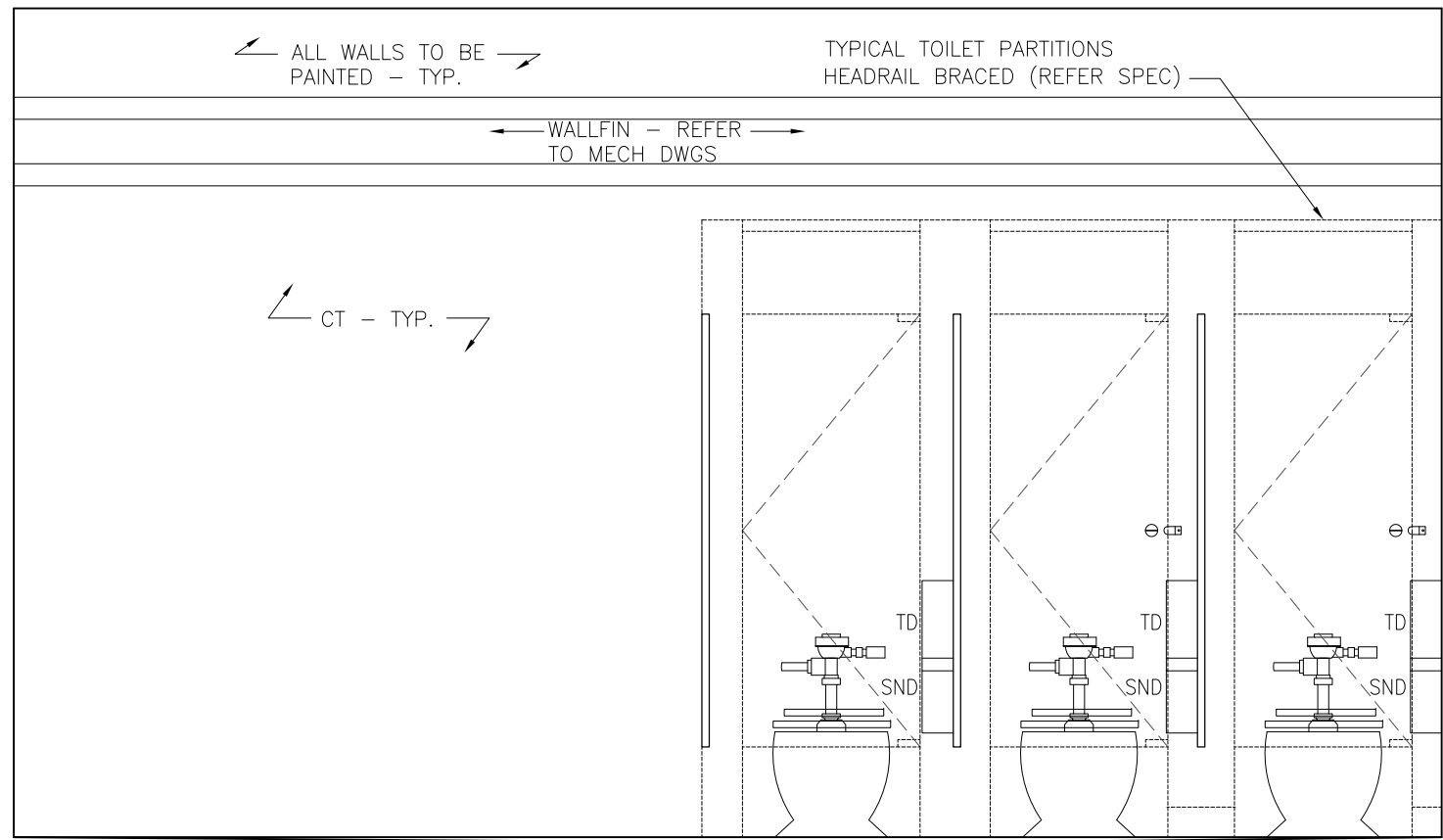
Title:  
INTERIOR ELEVATIONS

Scale: As Noted  
Date: DEC 1 2025  
Drawing: A401

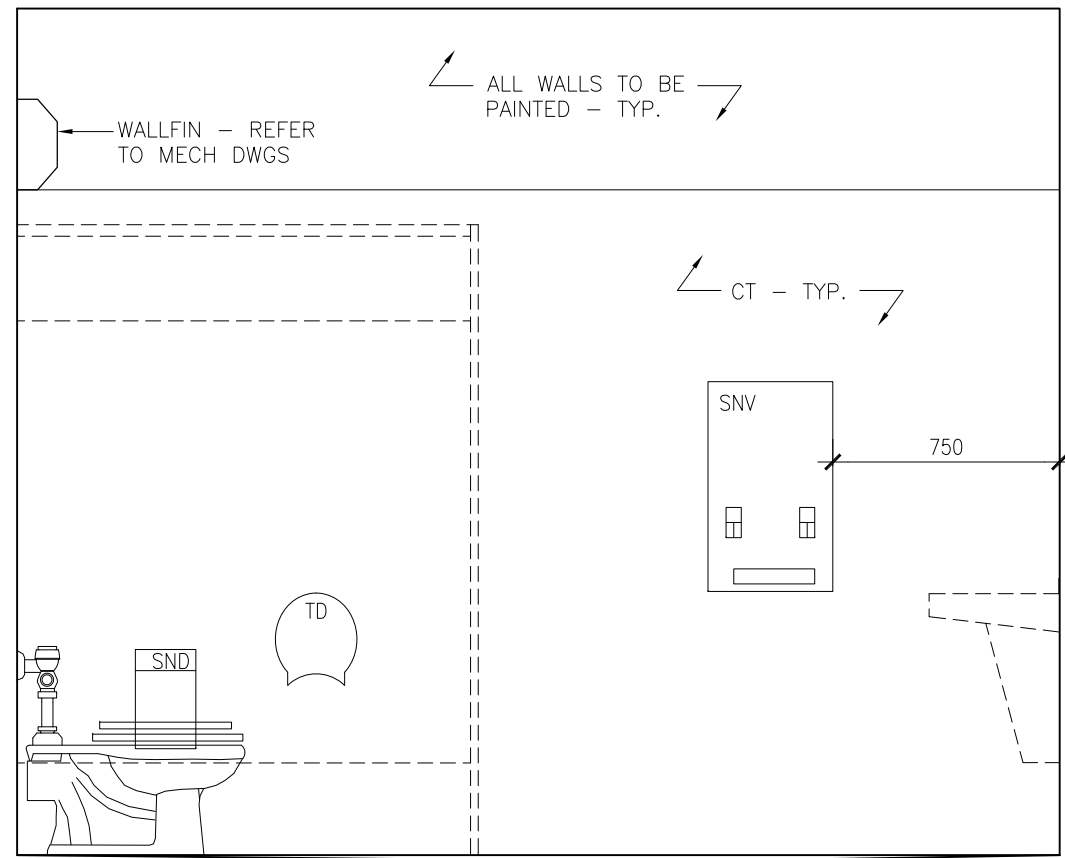
Project: 25-30  
Drawn By:

DATE PLOTTED: FEB 05 2026

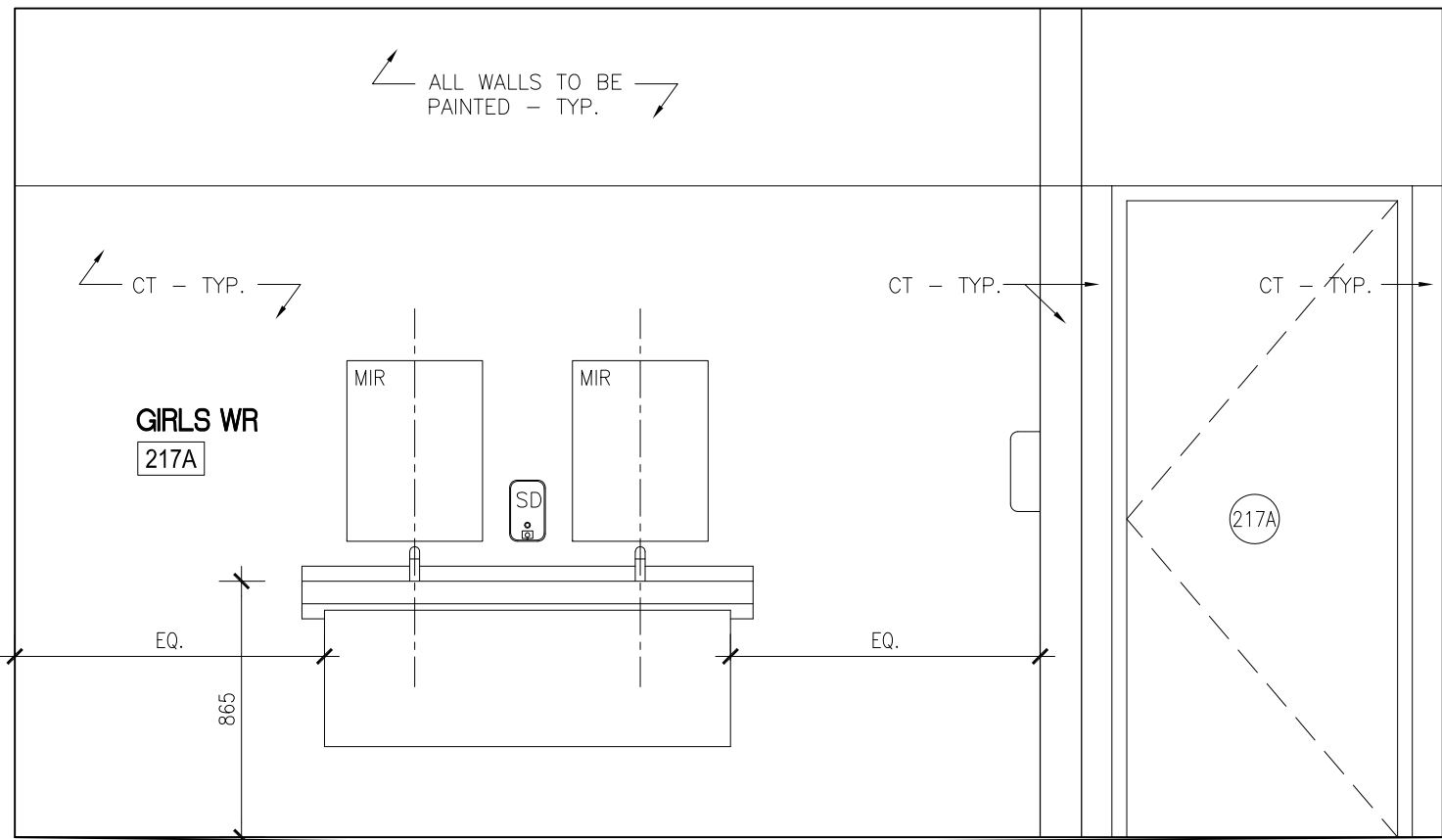
• PLOT SCALE 1:1 AT 3438 SHEET SIZE READ DRAWING ACCORDINGLY  
• PLOT SCALE 1:2 AT 1117 SHEET SIZE READ DRAWING ACCORDINGLY



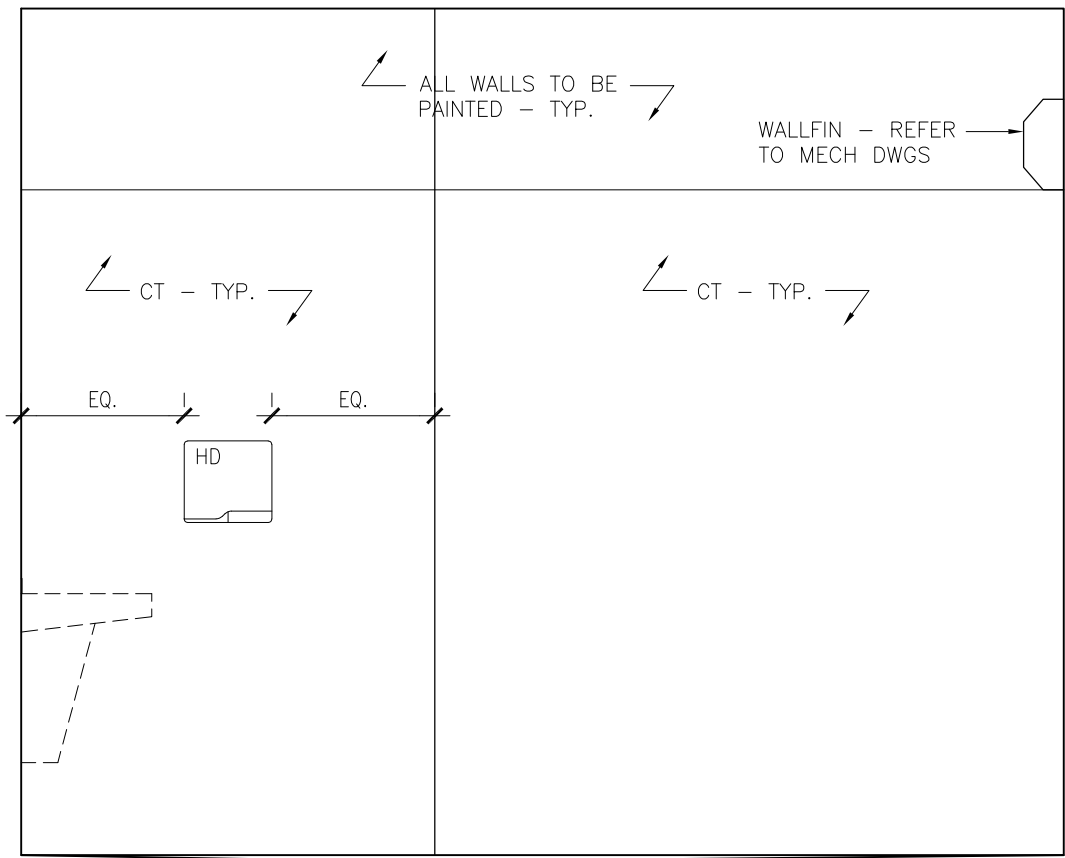
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B

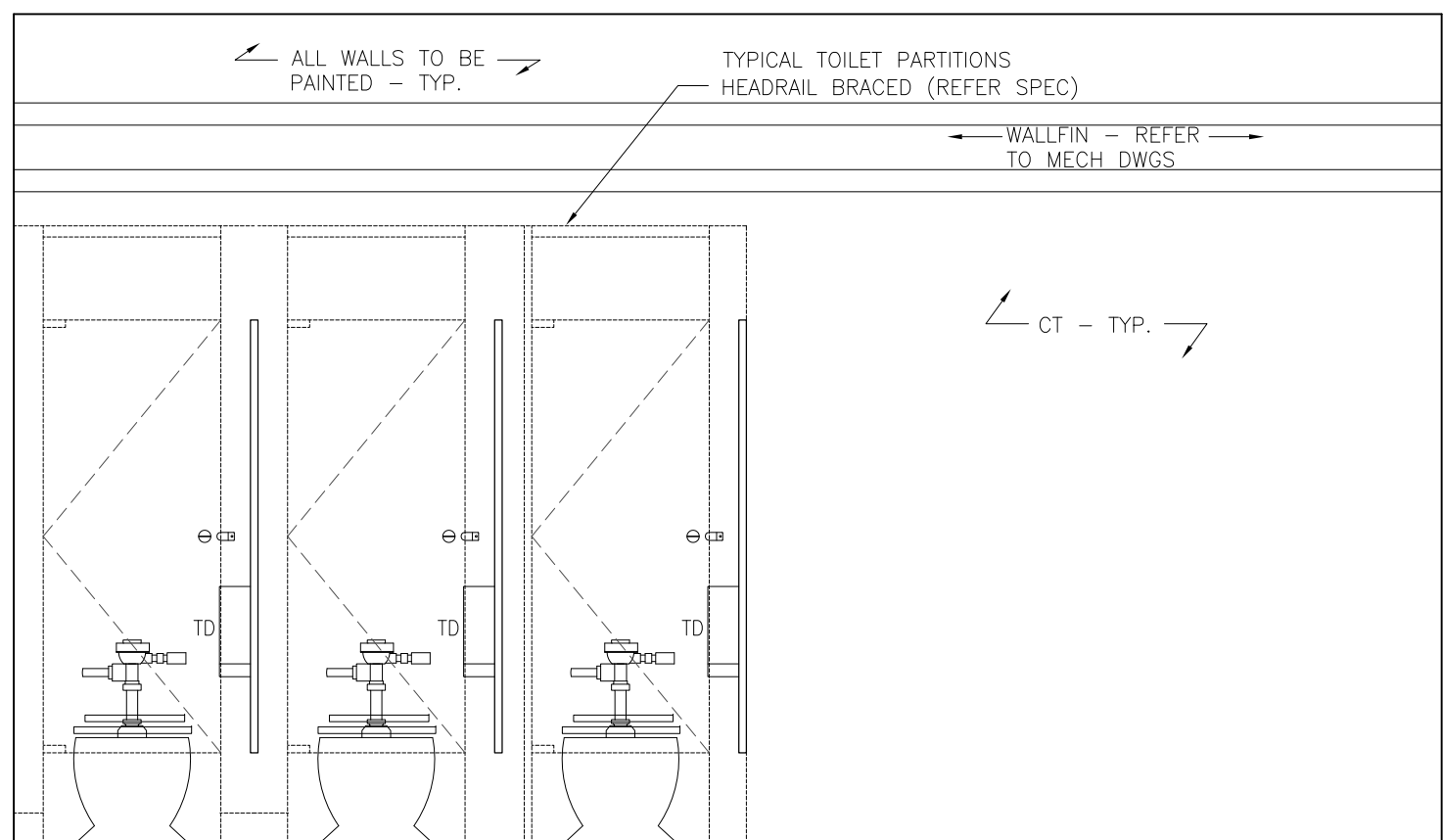


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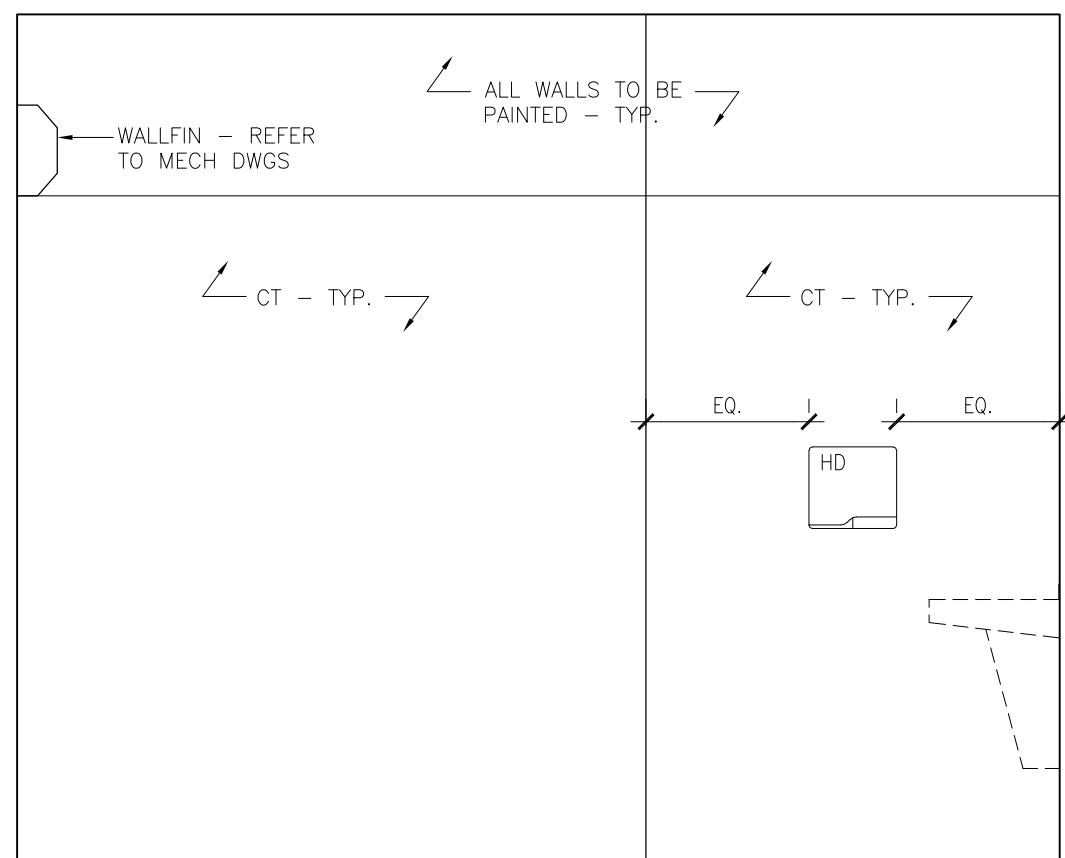


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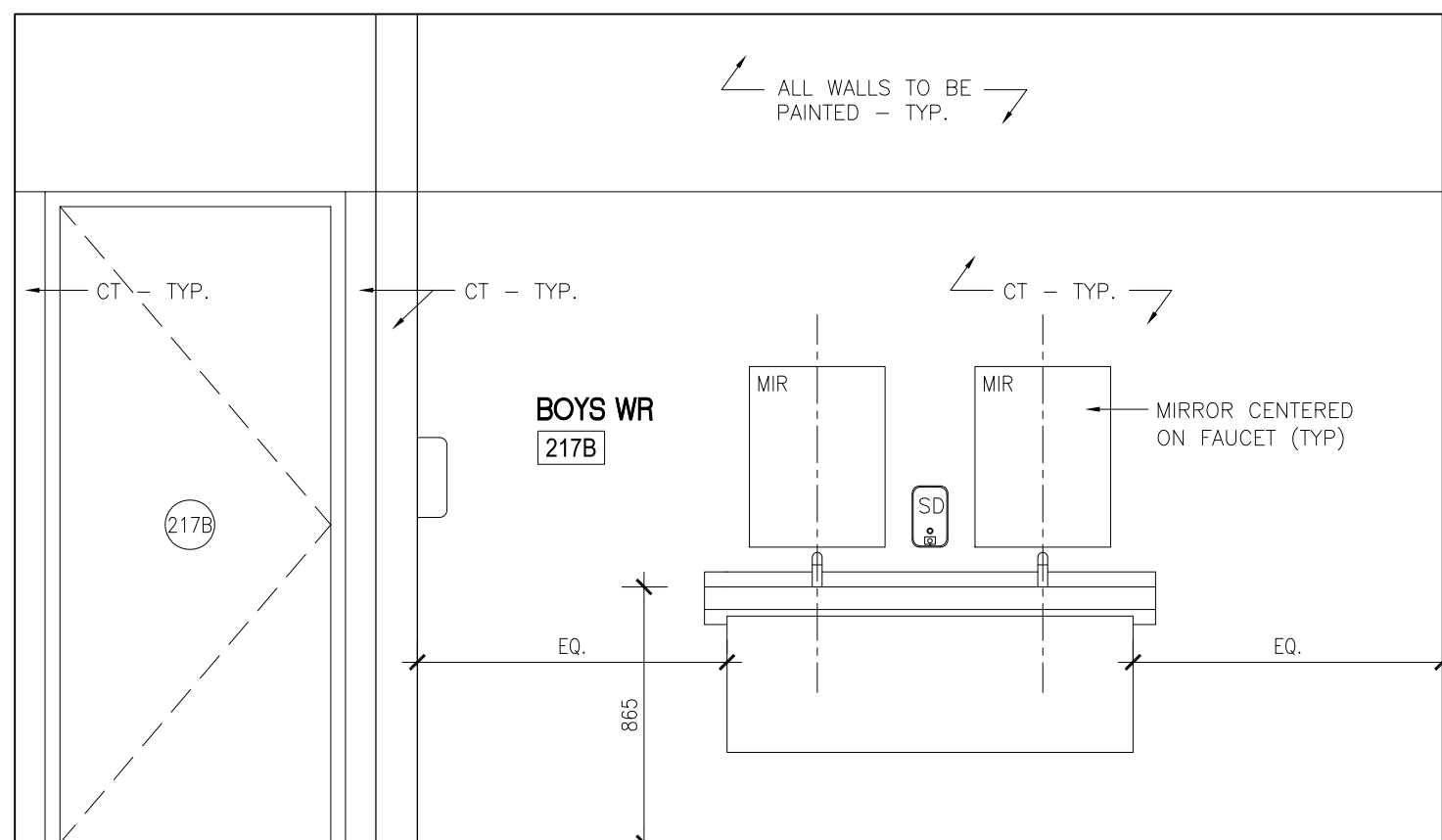
1 INTERIOR ELEVATION – GIRLS WR 217A  
SCALE 1:25



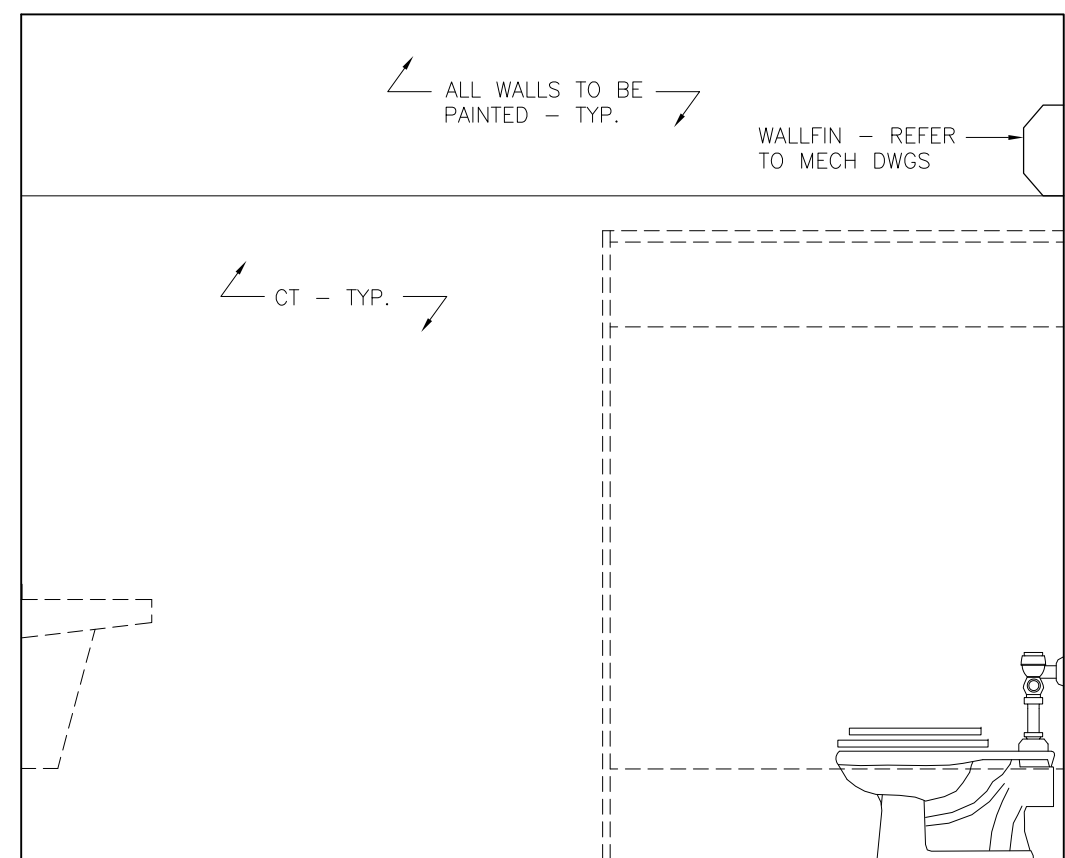
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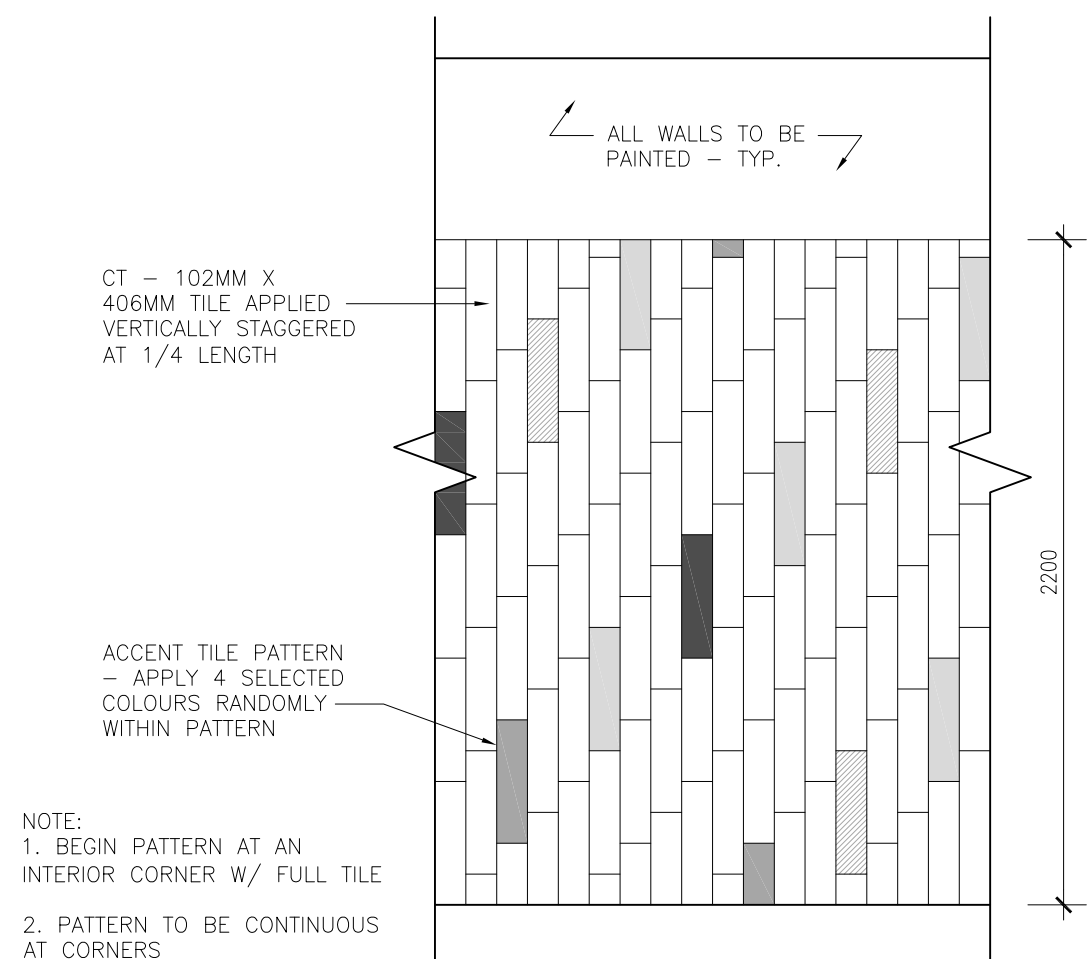


C



D

2 INTERIOR ELEVATION – BOYS WR 217B  
SCALE 1:25



3 TYPICAL WALL TILE PATTERN  
SCALE 1:25

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Revisions, Issues

Project:  
**WASHROOM RENOVATIONS**  
**BELLWOOD PS**  
30 BELLWOOD DR.  
WHITBY, ON L1N 8M4

Title:  
INTERIOR ELEVATIONS

Scale:  
As Noted

Date:  
DEC 3 2025

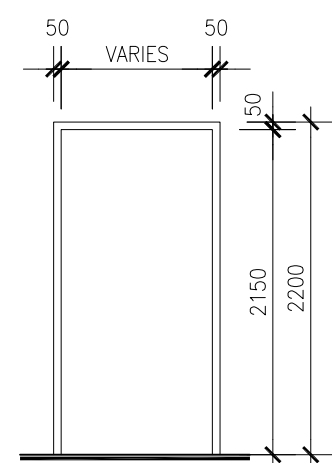
Project:  
25-30

Drawn By:  
A402

T26-12

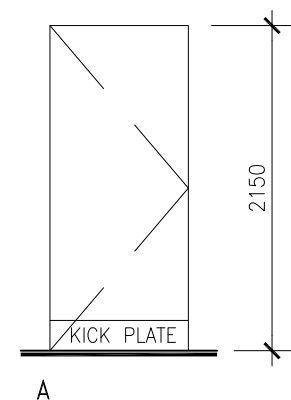
DATE PLOTTED: FEB 05 2026

• PLOT SCALE 1:12 AT 343mm SHEET SIZE READ DRAWING ACCORDINGLY  
• PLOT SCALE 1:12 AT 1117mm SHEET SIZE READ DRAWING ACCORDINGLY



2 FRAME TYPE SCALE 1:50

ALL KICK PLATE 200 AND LOCK SET AT 950 TYP.



1 DOOR TYPE

SCALE 1:50

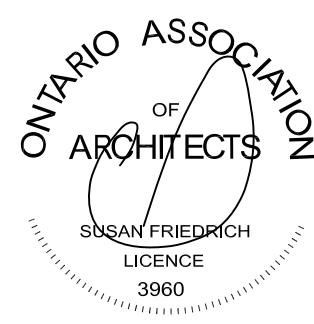
ROOM FINISH SCHEDULE - 2nd FLOOR																	NOTE: REFER TO PLANS, ELEVATIONS AND DETAILS																																																																																																																																																																																																																																																																																																																																																																																													
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		T-BAR/ACT SUSPENDING GWB CLING. PAINTED	EXISTING T-BAR/ACT CLG. MAKE GOOD	EXISTING GWB CLG. MAKE GOOD AND PAINT	GWB-PAINTED	N.		F.		S.		W.		TERRAZZO FLOORING TO MATCH EXIST.	VCT	RESILIENT FLOOR	CERAMIC TILE EXIST. CERAMIC TILE MAKE GOOD	EXIST. RESIDENT TILE MAKE GOOD	TERRAZZO EXIST. CLG. MAKE GOOD	NONE	RESILIENT BASE TO MATCH EXIST.		CERAMIC TILE CERAMIC TILE	TERRAZZO EXIST. RESILIENT BASE MAKE GOOD	EXIST. TILE BASE MAKE GOOD	EXIST. TERRAZZO MAKE GOOD																																																																																																																																																																																																																																																																																																																																																																																				
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WALL MAKE GOOD	CERAMIC TILE EXIST.	GWB-PAINTED

DOOR SCHEDULE													LEGEND:		ALUM. CA FR/MP HM HCW PT		ALUMINUM CLEAR ANODIZED FIRE-RATED METAL PANEL HOLLOW METAL HOLLOW CORE WD PAINT		IGU IM SCW ST TGL FRG		INSULATED GLASS UNIT INSULATED METAL SOLID CORE WOOD STAIN- URETHANE TEMPERED GLASS FIRE-RATED GLASS		ALL DOOR CLOSERS TO BARRIER FREE STANDARD • ALL DOOR FRAMES SPECIFIED WITH ALUM. CLADDING - ISOLATE DISSIMILAR METALS • ALL FINGER GUARDS NGP 2248A TYPICAL. NO SUBSTITUTIONS LENGTH 50MM LESS THAN OPENING HEIGHT.	
DOOR NO.	GROUND FLOOR PLAN	SIZE	TYPE	FIRE RATING	DOOR	MATERIAL OF FRAME	FINISH	SELF CLOSER	LATCH	LOCK	PANIC	GLAZING	REMARKS											
216	NEW B/F WR 216	965x2150x44	A	45 MIN	HM	HM	PT	○		○			AUTO DOOR OPERATOR, PRIVACY LOCK DOOR SWEEP, KICKPLATE											
217A	NEW GIRLS WR 217A	915x2150x44	A	45 MIN	HM	HM	PT	○		○			DOOR SWEEP, KICKPLATE, HOLD OPEN DEVICE, FIRE ALARM ACTIVATED CLOSER											
217B	NEW BOYS WR 217B	915x2150x44	A	45 MIN	HM	HM	PT	○		○			DOOR SWEEP, KICKPLATE, HOLD OPEN DEVICE, FIRE ALARM ACTIVATED CLOSER											



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3	FEB 5 2026	ISSUED FOR PERMIT AND TENDER
2	JAN 30 2026	ISSUED FOR CLIENT REVIEW
1	DEC 5 2025	ISSUED FOR REVIEW

Revisions, Issues

Project

*WASHROOM RENOVATIONS*

*BELLWOOD PS*

30 BELLWOOD DR.  
WHITBY, ON L1N 8M4

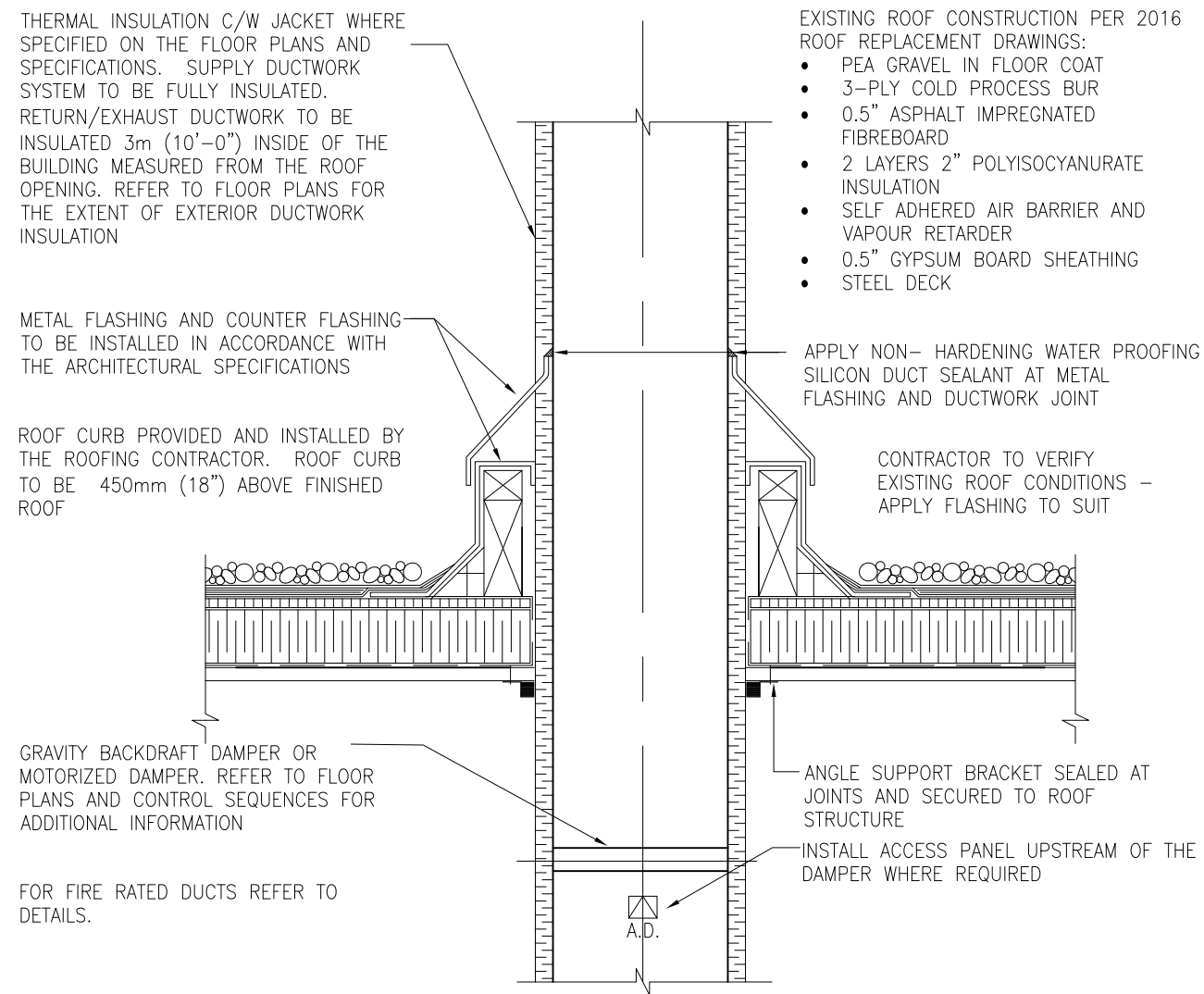
T26-12

Title: SCHEDULES

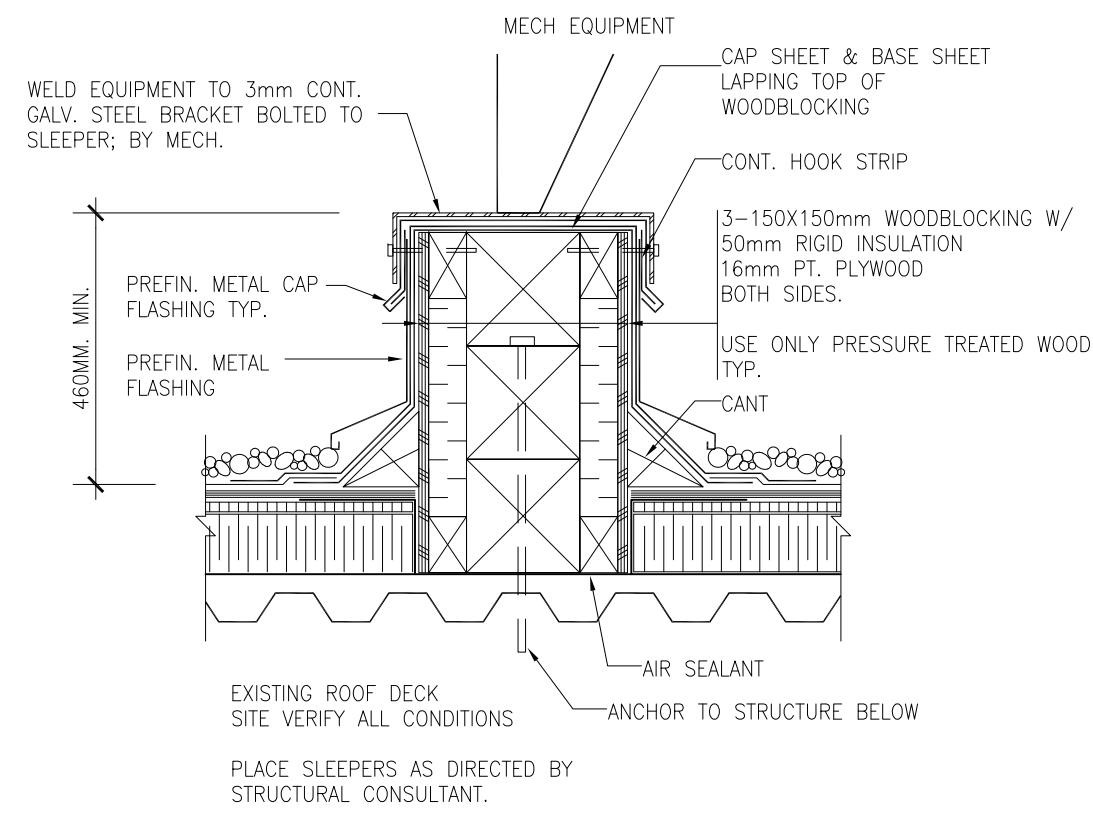
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Project: 25-30	Drawn By:	

DATE PLOTTED: FEB 05 2026

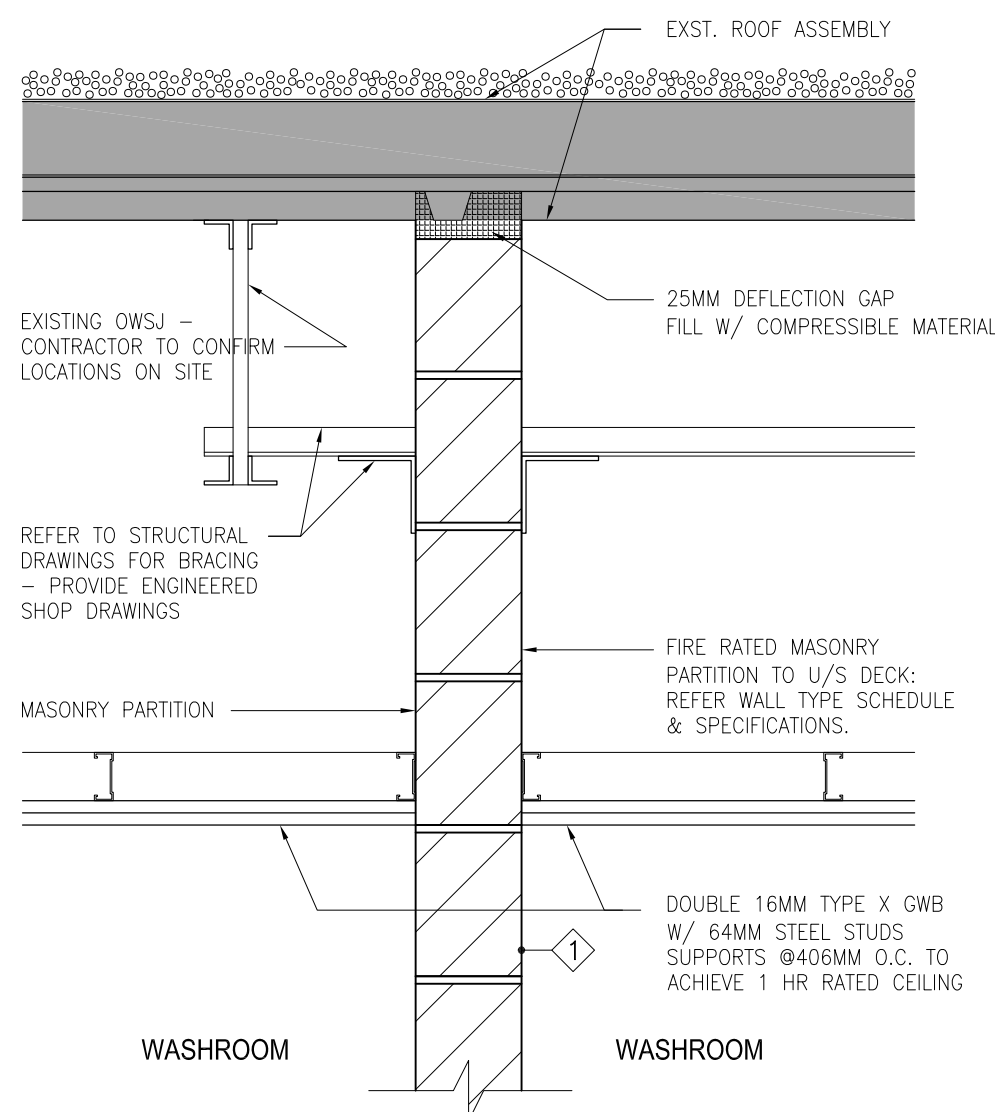
● PLOT SCALE: 1:1 AT 24"x36" SHEET SIZE. READ DRAWING ACCORDINGLY.  
PLOT SCALE: 1:2 AT 11"x17" SHEET SIZE. READ DRAWING ACCORDINGLY.



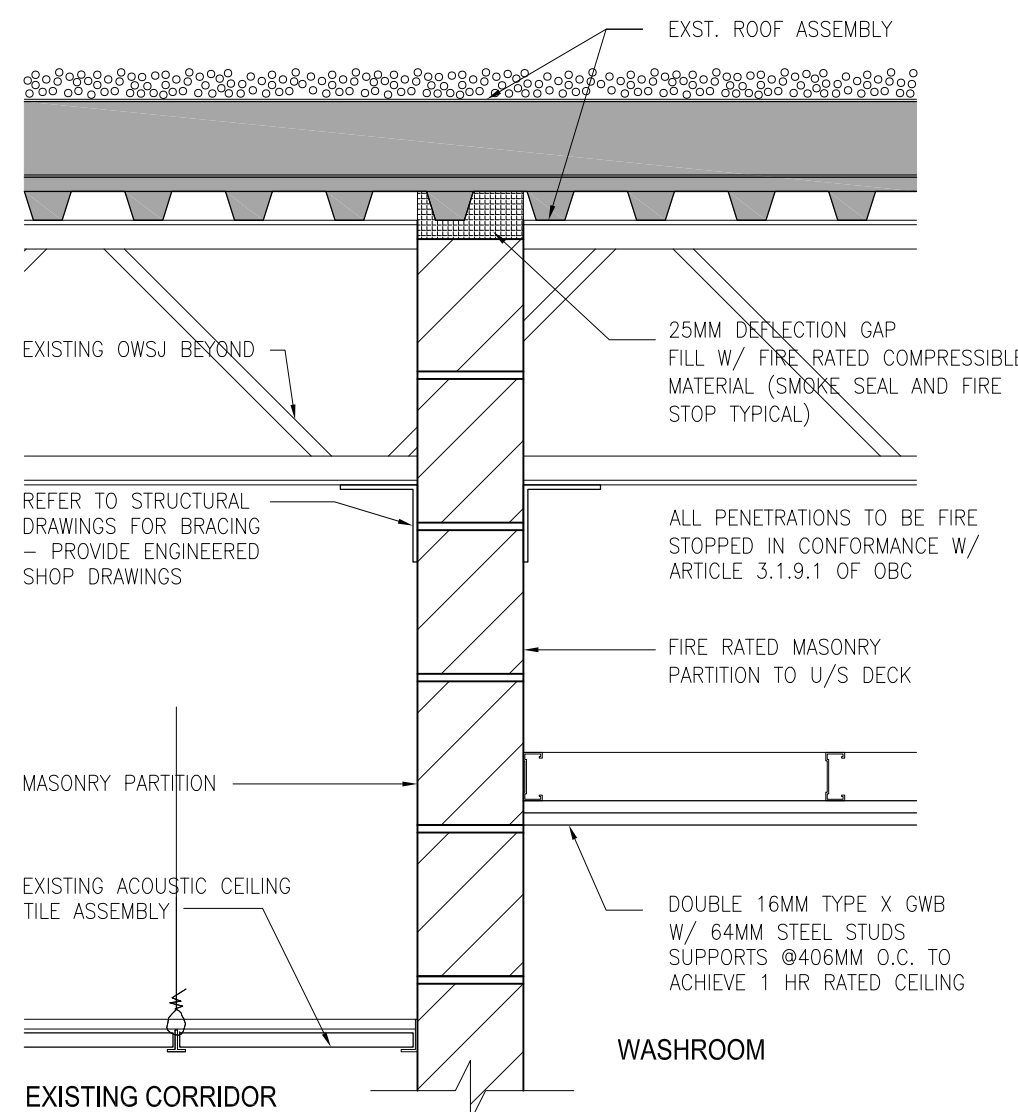
11 DUCTWORK ROOF PENETRATION AND FLASHING  
SCALE NTS



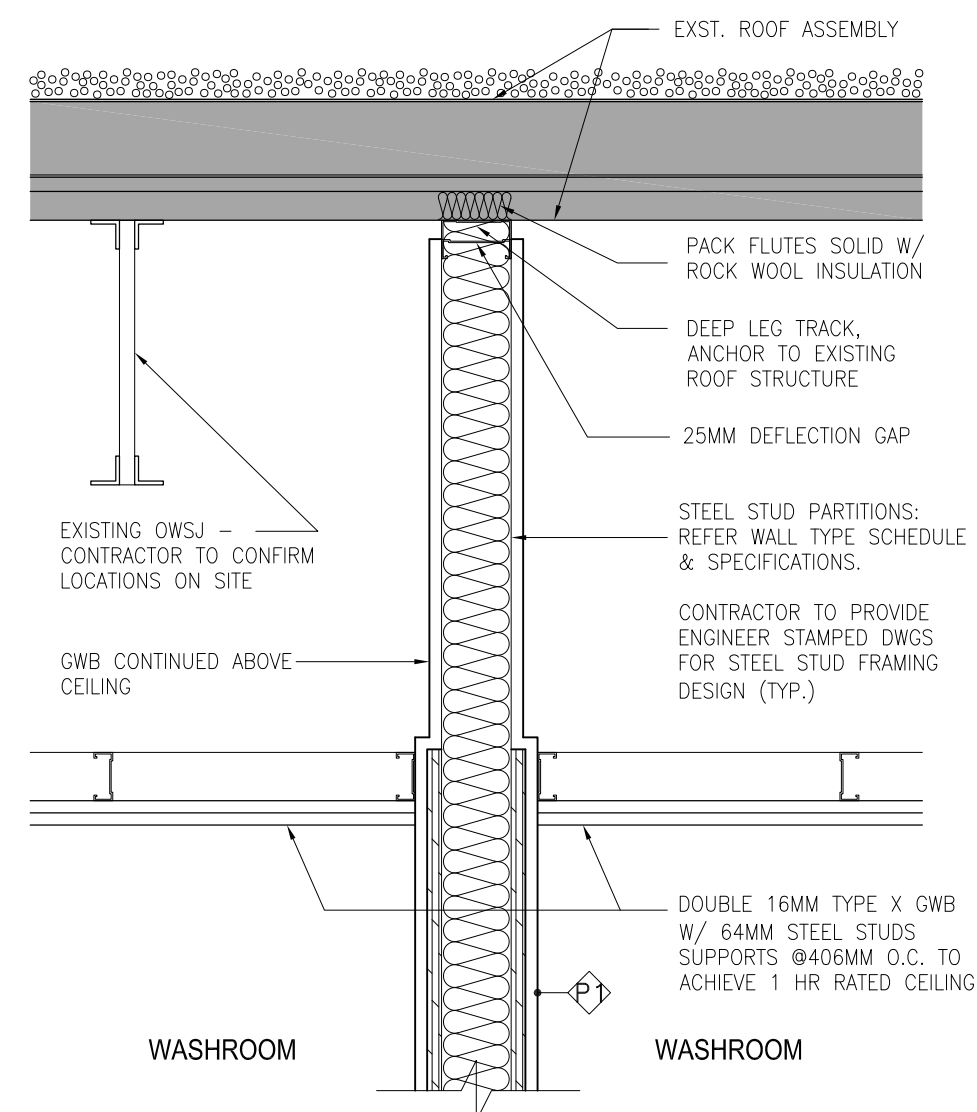
10 TYP. ROOF CURB AT MECH EQUIPMENT  
SCALE NTS



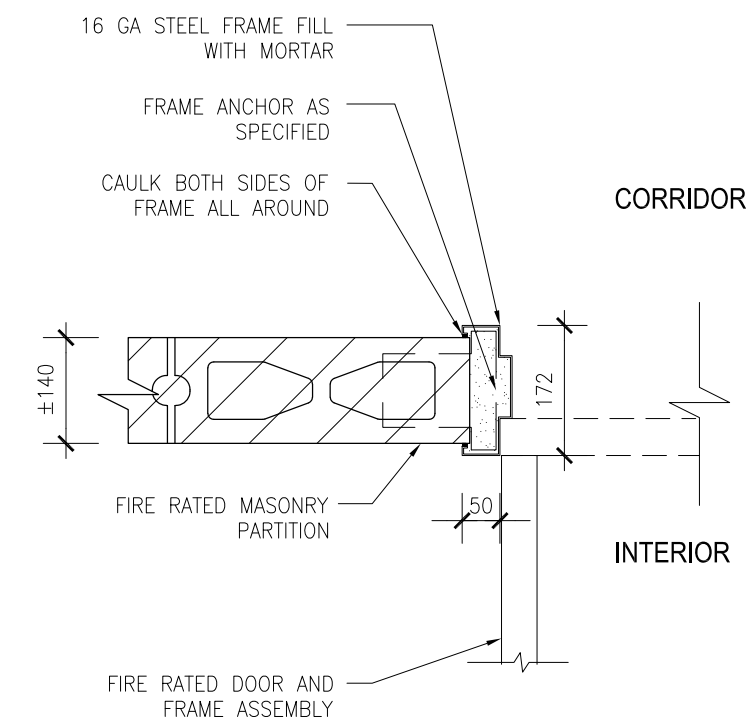
8 TYP. MASONRY PARTITION AT WASHROOMS  
SCALE 1:10



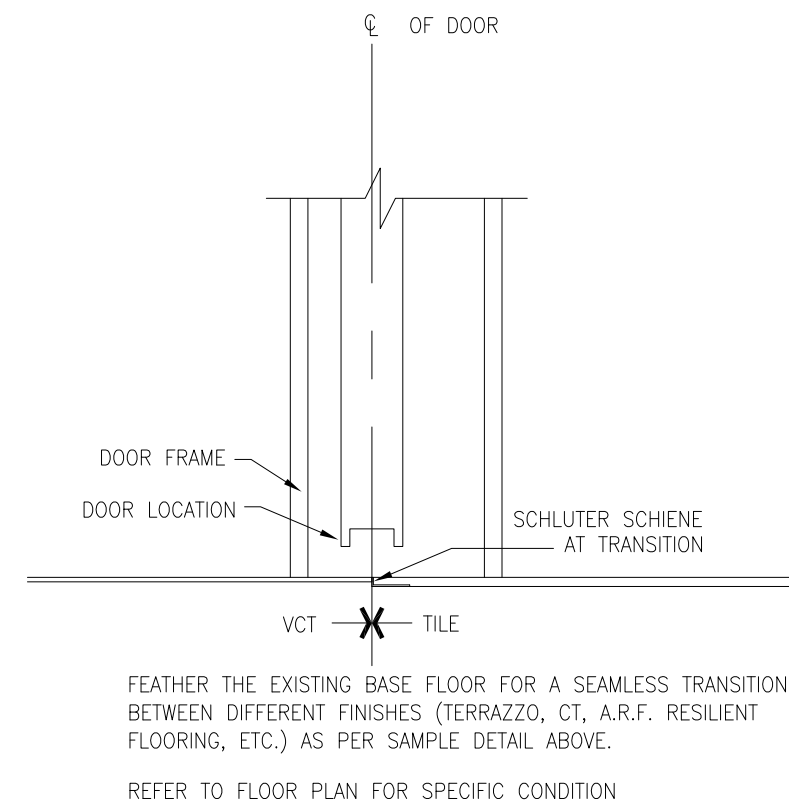
7 TYP. MASONRY PARTITION AT CORRIDOR  
SCALE 1:10



6 TYP. GWB PARTITION AT WASHROOMS  
SCALE 1:10



5 TYP. DOOR JAMB AT MASONRY WALL  
SCALE 1:10



1 TYPICAL FLOOR TRANSITION AT DOOR  
SCALE 1:10

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2	FEB 5 2026	ISSUED FOR PERMIT AND TENDER
1	JAN 30 2026	ISSUED FOR CLIENT REVIEW



Revisions, Issues


Project: <b>WASHROOM RENOVATIONS</b> <b>BELLWOOD PS</b> <b>30 BELLWOOD DR.</b> <b>WHITBY, ON L1N 8M4</b> <div>T26-12</div>		
Title: DETAILS		
Scale: As Noted	Date: DEC 5 2025	Drawing: A502
Project: 25-30	Drawn By:	


DATE PLOTTED: FEB 05 2026

• PLOT SCALE 1:1 AT 3438 SHEET SIZE READ DRAWINGS ACCORDINGLY  
• PLOT SCALE 1:2 AT 11X17 SHEET SIZE READ DRAWING ACCORDINGLY



GENERAL NOTES		GNS-001 June 20, 2022	STRUCTURAL MASONRY		GNS-006 June 20, 2022	
<div><div>1. THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT. BREAKDOWN OF THE WORK BY TRADE IS THE RESPONSIBILITY OF THE CONTRACTOR. EXISTING CONDITIONS ARE ASSUMED. REPORT ANY INCONSISTENCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.</div><div>2. THIS IS A METRIC PROJECT. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.</div><div>3. DO NOT SCALE THESE DRAWINGS.</div><div>4. SEE ARCHITECTURAL DRAWINGS FOR FIREPROOFING REQUIREMENTS.</div><div>5. CODES AND STANDARDS:<div>A. COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE ONTARIO BUILDING CODE (OBC) IN FORCE AND ALL REGULATIONS AND STANDARDS THAT ARE IN EFFECT AT THE TIME OF THE CONSTRUCTION.</div></div></div>			<div><div>1. CONFORM TO CSA-A371 "MASONRY CONSTRUCTION FOR BUILDINGS".</div><div>2. MATERIALS:<div>A. HOLLOW BLOCK: CSA A165.1-H/15/C/M</div><div>B. ABOVE-GRADE MORTAR: CSA A179M - TYPE S</div><div>C. GROUT FOR BLOCK CORES: CSA A179M - COARSE GROUT 1:3:2</div><div>D. CEMENT-SAND/PEA STONE BY VOLUME WITH 20mm (3⁄4") SLUMP</div></div></div> <div><div>3. DRILLED MASONRY ANCHORS (DMA) TO BE HILTI HLC SLEEVE ANCHORS OR EQUIVALENT. PULL TEST ANCHORS TO RATED CAPACITY AND REPORT RESULTS.</div><div>4. NON LOAD-BEARING MASONRY WALLS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS.</div><div>5. LAY UNITS IN RUNNING BOND. ALL FACE SHELLS SHALL BE FULLY BEDDED. GROUT USING LOW LIFT GROUTING METHODS AND MAXIMUM 150mm (5⁄8") LIFTS. DO NOT USE MORTAR INSTEAD OF GROUT.</div><div>6. UNLESS OTHERWISE NOTED ON THE DRAWINGS, PROVIDE 3.6mm (3⁄64") GALVANIZED STEEL LADDER-TYPE JOINT REINFORCING EVERY SECOND BLOCK COURSE. PROVIDE JOINT REINFORCING IN THE FIRST TWO COURSES ABOVE AND BELOW WALL OPENINGS, AND EXTEND 600mm (2'-0") BEYOND EACH SIDE OF OPENING. USE HOT-DIPPED GALVANIZED MATERIAL FOR METAL TIES, GALVANIZED AFTER FABRICATION. USE PREFABRICATED CORNERS AND SPLICE LENGTHS OF 300mm (12") MINIMUM.</div><div>7. PROVIDE LATERAL SUPPORT AT TOPS OF ALL WALLS.</div><div>8. UNLESS OTHERWISE NOTED, PROVIDE MINIMUM 25 (1") DEFLECTION GAP AT TOP OF ALL NON LOAD BEARING MASONRY WALLS.</div><div>9. WHERE MASONRY WALLS ABUT COLUMNS OR CONCRETE WALLS, PROVIDE MINIMUM 25 (1") WIDE MOVEMENT JOINTS BETWEEN THEM AND FILL WITH COMPRESSIBLE MATERIAL. BUILD TIGHT FOR MASONRY SHEAR WALLS.</div><div>10. PROVIDE CONTROL JOINTS AT 6m (20'-0") CENTRES MAXIMUM.</div><div>11. PROVIDE STANDARD LINTELS OVER ALL OPENINGS IN MASONRY WALLS AND PARTITIONS AS SHOWN ON TYPICAL DETAILS. CHECK ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR OPENINGS REQUIRING STANDARD LINTELS WHICH ARE NOT NECESSARILY SHOWN ON THE STRUCTURAL DRAWINGS.</div></div>			
SHOP DRAWING AND OTHER SUBMITTALS			GNS-002 June 20, 2022			
<div><div>1. SUBMIT FOR REVIEW BEFORE START OF WORK:<div>A. TEMPORARY SHORING</div><div>B. EXISTING STRUCTURE SCANS AT PROPOSED OPENINGS</div></div></div> <div><div>2. REVIEW OF SHOP DRAWINGS IS ONLY FOR GENERAL CONFORMITY WITH STRUCTURAL CONTRACT DOCUMENTS AND SPECIFICATIONS. COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE STRUCTURAL CONTRACT DOCUMENTS AND SPECIFICATIONS. NOR DO THEY AUTHORIZE ANY CHANGES TO THE CONTRACT. REVIEW OF A SPECIFIC ITEM SHALL NOT INCLUDE REVIEW OF AN ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. THE CONTRACTOR'S RESPONSIBILITIES INCLUDE ALL QUANTITIES, DETAIL DIMENSIONS, FIELD MEASUREMENTS, FABRICATION PROCESS, MEANS, METHODS, SEQUENCES AND PROCEDURES OF CONSTRUCTION, COORDINATION OF WORK WITH ALL TRADES AND PERFORMING ALL WORK IN A SAFE AND SATISFACTORY MANNER. THE REVIEW OF SHOP DRAWINGS DOES NOT IMPLY ANY CHANGE IN ANY OTHER CONSULTANTS' OR PROFESSIONALS' RESPONSIBILITIES RELATED TO DESIGN OF SPECIFIC ITEMS AS OUTLINED BY THE SPECIFICATIONS (SUCH AS STRUCTURAL STEEL CONNECTIONS, STEEL JOISTS, PRECAST ELEMENTS, ETC.).</div><div>3. AFTER REVIEW OF SHOP DRAWINGS, ONLY ERECTION DIAGRAMS WILL BE RETURNED TO THE CONTRACTOR STAMPED TO SHOW ONE OF THE FOLLOWING:<div>A. NOT REVIEWED – IF THE WORK IS NOT IN LEA CONSULTING LTD. SCOPE</div><div>B. REVIEWED – NO COMMENTS NOTED</div><div>C. REVIEWED AS MODIFIED – COMMENTS NOTED ON THE DRAWINGS</div><div>D. RESUBMIT – CORRECTION OF THE NOTED ITEMS MUST BE MADE AND RESUBMITTED FOR REVIEW</div></div></div> <div><div>4. ALLOW A MINIMUM OF 10 WORKING DAYS FOR REVIEW OF EACH SUBMISSION OF SHOP DRAWINGS IN THE STRUCTURAL OFFICE. ALLOW MORE TIME WHEN LARGE QUANTITIES OF SHOP DRAWINGS ARE SUBMITTED ALONG WITH A PRIORITY LIST OF SUBMITTALS. SUBMIT IN ORDER WITH THE INTENDED SEQUENCE OF CONSTRUCTION.</div></div>			TEMPORARY WORKS			GNS-013 June 20, 2022
<div><div>1. MAKE ADEQUATE PROVISIONS FOR ALL LOADS ACTING ON THE STRUCTURE DURING ERECTION. PROVIDE TEMPORARY SHORING AND BRACING TO KEEP THE STRUCTURE PLUMB AND IN TRUE ALIGNMENT DURING CONSTRUCTION. MEMBERS SHOWN ON THE PLANS ARE THOSE REQUIRED FOR THE COMPLETED STRUCTURE AND MAY NOT BE SUFFICIENT DURING CONSTRUCTION.</div><div>2. TEMPORARY BRACING AND SHORING ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL SHORING SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR. PREPARE SHORING DRAWINGS SIGNED AND SEALED BY THE ENGINEER.</div><div>3. REROUTE ALL SERVICES IN AREAS AFFECTED BY CONSTRUCTION AS REQUIRED. PROVIDE TEMPORARY REROUTING AS REQUIRED TO KEEP THE BUILDING OPERATIONAL DURING CONSTRUCTION. SITE VERIFY SERVICES IMPACTED BY THE WORK. SERVICES PRESENT NOT NECESSARILY SHOWN ON PLANS.</div></div>						
EXISTING STRUCTURES			GNS-003 June 20, 2022			
<div><div>1. EXISTING BUILDING STRUCTURAL INFORMATION IS BASED UPON DRAWINGS PREPARED BY DAVID A G MILL DATED 1987.</div><div>2. EXISTING CONDITIONS ARE ASSUMED. REPORT ANY VARIATIONS TO THE CONSULTANT IMMEDIATELY BEFORE PROCEEDING WITH THE WORK.</div><div>3. PROTECT EXISTING STRUCTURE EXPOSED TO TEMPORARY CONSTRUCTION LOADING AND ACTIVITIES. WORK REQUIRED TO CONNECT OR REWORK EXISTING STRUCTURE FOR THE NEW WORK IS WITHIN THIS CONTRACT.</div><div>4. PROVIDE TEMPORARY SHORING AND BRACING REQUIRED WHERE NEEDED.</div><div>5. MAKE GOOD ONCE STRUCTURAL WORK IS DONE AND REVIEWED.</div><div>6. SEISMIC</div></div>			REJECTED WORK			GNS-014 June 20, 2022
<div><div>1. DO NOT DELIVER TO THE SITE MATERIALS, WHICH ARE KNOWN NOT TO MEET THE REQUIREMENTS OF THE SPECIFICATIONS, IF REJECTED AFTER DELIVERY, REMOVE IMMEDIATELY FROM SITE.</div></div>						
CUTTING AND CORING			GNS-011 June 20, 2022			
<div><div>1. THE CONTRACTOR SHALL CARRY THE PRICE TO RETAIN AN INDEPENDENT TESTING COMPANY TO LOCATE EXISTING REINFORCEMENT AND CONDUIT IN THE AREAS OF PROPOSED OPENINGS AND TO MARK LOCATIONS ON THE SURFACES OF SLABS AND WALLS ON WHICH THE CORES AND CUTS ARE TO BE STARTED. MARK LOCATIONS USING INDELIBILE MARKERS AS FOLLOWS: RED FOR TOP BARS, GREEN FOR BOTTOM BARS, AND BLACK FOR CORES, OPENINGS, AND CONDUITS. X-RAY CONCRETE UNLESS OTHER METHODS CAN BE SHOWN BY CONTRACTOR TO ACCURATELY LOCATE REINFORCEMENT AND CONDUIT. THE CONTRACTOR SHALL ALSO LOCATE ALL SUSPENDED SERVICES ON BOTH SIDES OF THE PROPOSED OPENING. IF LOCATIONS ARE NOT ACCEPTABLE TO CONSULTANT, RELOCATE PROPOSED OPENINGS AND REPEAT PROCESS AT NO EXTRA COST TO THE CONTRACT.</div><div>2. CORING: DO NOT CUT EXISTING REINFORCEMENT AND CONDUIT WHEN CORING EXISTING CONCRETE UNLESS APPROVED IN ADVANCE BY THE CONSULTANT. SAVE THE COMPLETE LENGTH OF ALL CORES. LABEL EACH CORE WITH LOCATION TAKEN, MAKE ALL CORES AVAILABLE FOR REVIEW BY CONSULTANT. DISPOSE OF CORES ONLY WITH APPROVAL OF CONSULTANT.</div><div>3. CUTTING: DO NOT CUT EXISTING REINFORCEMENT AND CONDUIT WHEN CUTTING EXISTING CONCRETE UNLESS APPROVED IN ADVANCE BY THE CONSULTANT. DO NOT OVER CUT OPENINGS. CORE FOUR CORNERS AND ENDS OF INTERMEDIATE SAWCUTS OF ALL OPENINGS PRIOR TO CUTTING SIDES AND INTERMEDIATE LINES. SAWCUT SIDES AND INTERMEDIATE LINES. CHIP CORNERS SQUARE IF NECESSARY. IF NEW REINFORCEMENT IS REQUIRED AT AN OPENING, INSTALL REINFORCEMENT BEFORE CUTTING OPENING OR SHORE UP STRUCTURE UNTIL NEW REINFORCEMENT IS INSTALLED.</div></div>						
CONSTRUCTION REVIEW			GNS-012 June 20, 2022			
<div><div>1. NOTIFY THE CONSULTANT TWO WORKING DAYS PRIOR TO CONCRETE POURS, BACKFILLING, AND COVERING UP THE STRUCTURE WITH FINISHES</div></div>						



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1	2026-02-05	ISSUED FOR PERMIT AND TENDER
REV.	DATE	DESCRIPTION


**Project**

**WASHROOM RENOVATIONS**

**BELLWOOD PS**

**30 BELLWOOD DR.**

**WHITBY, ON L1N 8M4**



**Title**

**GENERAL NOTES & PROJECT DETAILS**

<p><b>Scale</b></p> <p style="text-align: center;">1 : 20</p>	<p><b>Date</b></p> <p style="text-align: center;">05/02/26</p>	<p><b>Drawing No.</b></p> <p style="text-align: center; font-size: 1.5em;"><b>S100</b></p>
<p><b>Project No.</b></p> <p style="text-align: center;">26289</p>	<p><b>Drawn</b></p> <p style="text-align: center;">A.K.</p>	<p><b>Check</b></p> <p style="text-align: center;">I.B.</p>

MD-300  
October 29, 2020

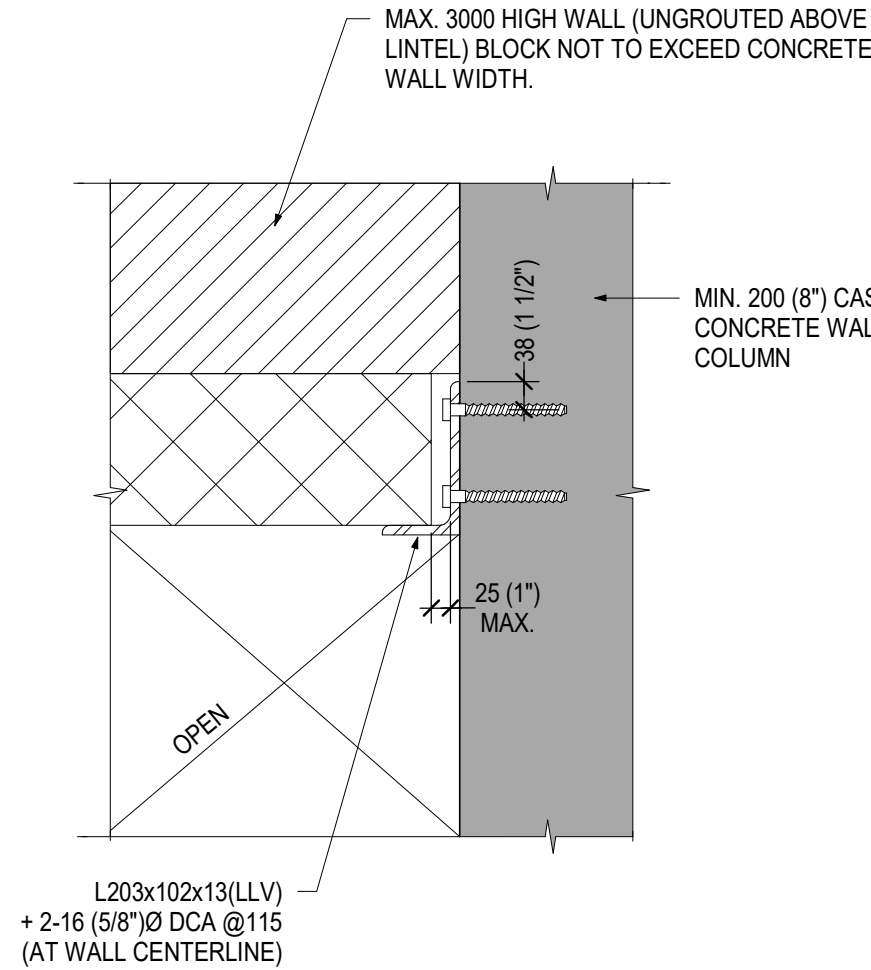
October 29, 2020

PD-M-001

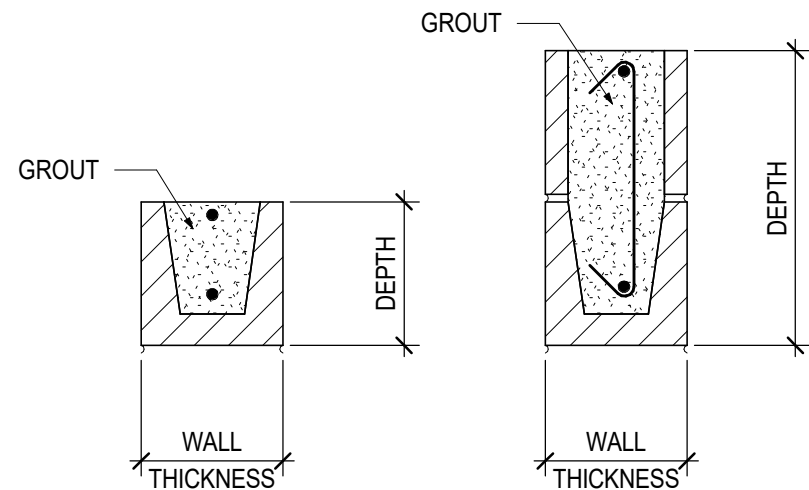
April 29, 2021

Diagram illustrating the components and dimensions of a Standard Block Lintel:

- REINFORCEMENT AT SIDES OF OPENINGS (IF SHOWN ON PLANS OR DETAILS)**: Indicated by cross-hatching on the left and right sides of the lintel.
- STANDARD BLOCK LINTEL**: The main horizontal component.
- SOLID OF FULLY GROUTED**: The central vertical section of the lintel.
- SPAN**: The horizontal distance between the bearing points.
- 200 (8")**: Vertical dimension of the solid grouted section.
- 200 (8") BEARING**: Horizontal dimension of the bearing area on the right.
- WHERE WALL THICKNESS IS REDUCED BY RECESSES INCLUDE IN LINTEL SPAN**: Dimension indicating the span length when wall thickness is reduced by recesses.
- MIN. 0.5 SPAN**: Minimum bearing dimension required.
- MOVEMENT JOINT OR END/CORNER OF WALL**: Indicated by a vertical line on the right side of the wall.



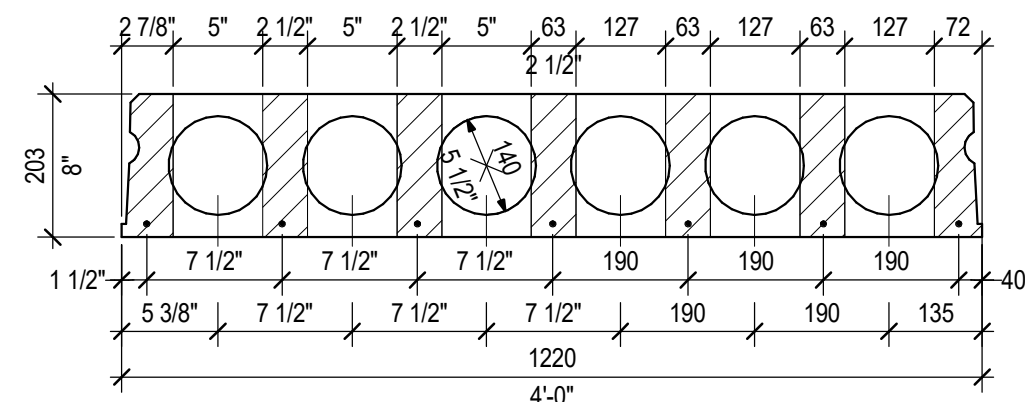
1. DO NOT USE MASONRY LINTELS FOR OPENINGS WHERE MOVEMENT JOINT OR WALL END OR CORNER IS LOCATED LESS THAN 0.5 OF THE LINTEL SPAN AWAY FROM THE FACE OF THE OPENING.
2. STANDARD LINTELS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR OPENING LOCATIONS.
3. SEE PLANS FOR SPECIAL LINTELS.
4. FILL LINTEL BLOCKS WITH 20MPa GROUT. IT IS NOT ACCEPTABLE TO FILL LINTELS WITH MORTAR.



WALL THICKNESS	SPAN	BLOCK LINTEL DEPTH	REINFORCEMENT TOP & BOTTOM
90 (4")	UP TO 1200 (4'-0")	190	1-10
	1200 (4'-0") TO 1800 (6'-0")	N/A	N/A
	1800 (6'-0") TO 2400 (8'-0")	N/A	N/A
	2400 (8'-0") TO 3000 (10'-0")	N/A	N/A
140 (6")	UP TO 1200 (4'-0")	190	1-10
	1200 (4'-0") TO 1800 (6'-0")	190	1-10
	1800 (6'-0") TO 2400 (8'-0")	390	1-10 +1-10@200 (8") STIRRUP
	2400 (8'-0") TO 3000 (10'-0")	N/A	N/A
190 (8")	UP TO 1200 (4'-0")	190	1-15
	1200 (4'-0") TO 1800 (6'-0")	190	1-15
	1800 (6'-0") TO 2400 (8'-0")	390	1-10 +1-10@200 (8") STIRRUP
	2400 (8'-0") TO 3000 (10'-0")	390	1-10 +1-10@200 (8") STIRRUP
240 (10")	UP TO 1200 (4'-0")	190	1-15
	1200 (4'-0") TO 1800 (6'-0")	190	1-15
	1800 (6'-0") TO 2400 (8'-0")	390	1-10 +1-10@200 (8") STIRRUP
	2400 (8'-0") TO 3000 (10'-0")	390	1-10 +1-10@200 (8") STIRRUP
290 (12")	UP TO 1200 (4'-0")	190	1-15
	1200 (4'-0") TO 1800 (6'-0")	190	1-15
	1800 (6'-0") TO 2400 (8'-0")	390	1-10 +1-10@200 (8") STIRRUP
	2400 (8'-0") TO 3000 (10'-0")	390	1-10 +1-10@200 (8") STIRRUP

## PD-003

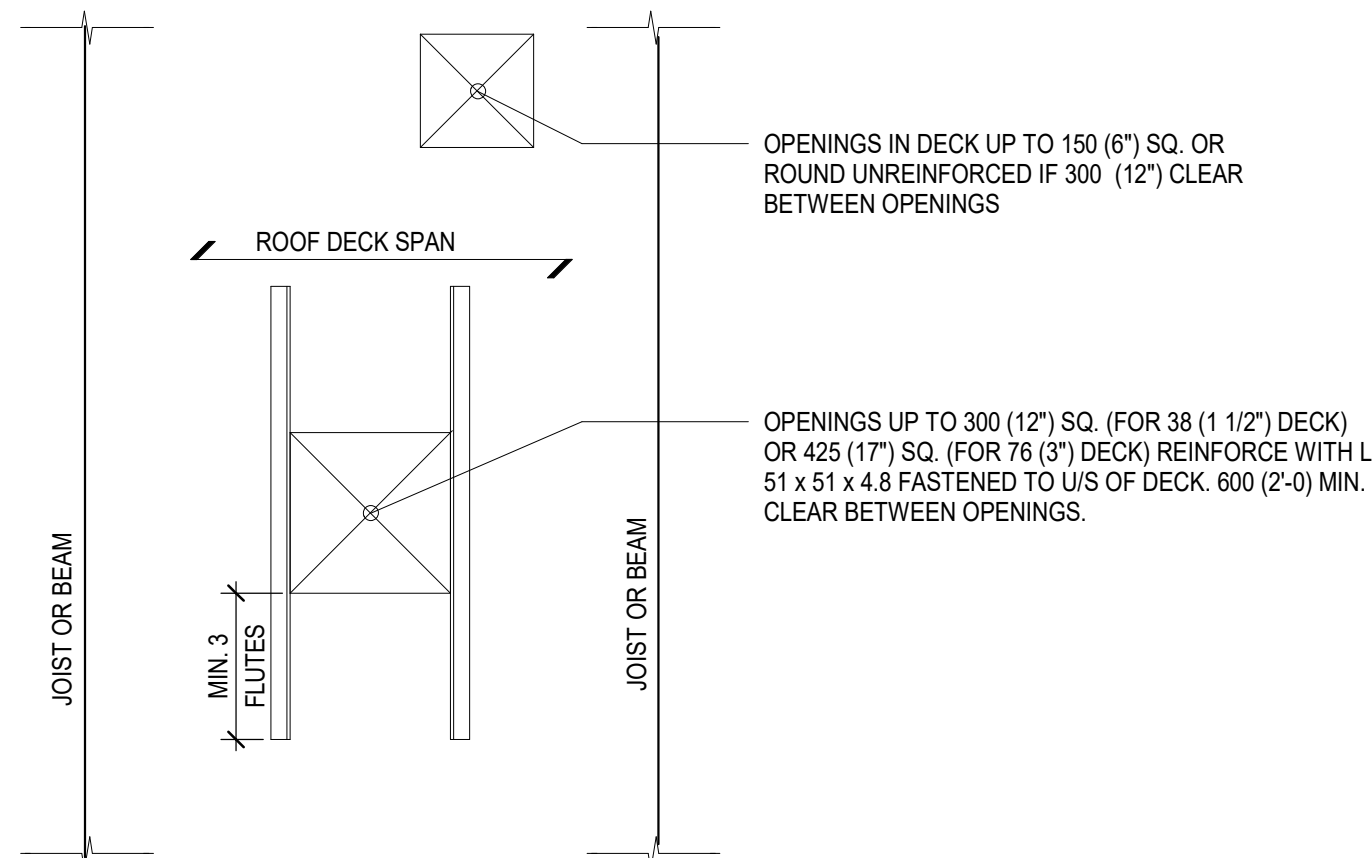
November 22, 202



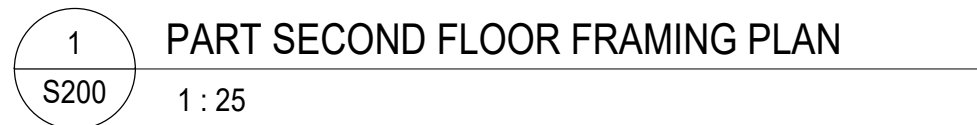
1. SCAN SLAB LOCATE TENDONS.
2. DO NOT CORE THROUGH TENDON OR SHADED REGION. CORE TO MISS TENDON AND BE LOCATED WITHIN HOLLOW REGIONS.
3. NO MORE THAN 2 OPENINGS TO OCCUR ACROSS SLAB AT ONE PLANK.
4. MAXIMUM CORE SIZE TO BE 125.

## SD-206

March 17, 2020



• ALL LARGER OPENINGS AND OPENINGS SPACED CLOSER THAN SPECIFIED ABOVE TO BE FRAMED BY STRUCTURAL STEEL, SEE DRAWING NOTES.



EXISTING 240 LOAD  
BEARING MASONRY  
WALL TYP.

- [illegible]

2 KEY PLAN  
S200 1 : 500

1	2026-02-05	ISSUED FOR PERMIT AND TENDER
REV.	DATE	DESCRIPTION

Scale As indicated	Date 05/02/26	Drawing No.  \$200
Project No.	Drawn      Check	

GENERAL

PERFORM ALL MECHANICAL WORK DETAILED ON THESE DRAWINGS TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL OPERATING SYSTEM TO THE SATISFACTION OF THE MECHANICAL CONSULTANT.

WHEN THERE IS APPARENT CONTRADICTION OR AMBIGUITY IN THE DOCUMENTS, OR WHERE THERE ARE APPARENT DISCREPANCIES IN OR OMISSIONS FROM THE DOCUMENTS, OR IF THERE IS ANY DOUBT AS TO THE INTENT OF THE DOCUMENTS, THE BIDDER SHALL REQUEST AND OBTAIN WRITTEN CLARIFICATION(S) FROM THE CONSULTANT PRIOR TO SUBMITTING A TENDER. CONSIDERATION SHALL NOT BE GRANTED FOR MISUNDERSTANDING OF THE INTENT OF THE DOCUMENTS OR THE EXTENT OF THE WORK TO BE PERFORMED.

EQUIPMENT SUBSTITUTIONS AFTER AWARD OF CONTRACT WILL NOT BE CONSIDERED WITHOUT WRITTEN EXPLANATION AND CONSULTANT'S WRITTEN AUTHORIZATION. THE QUALITY AND PERFORMANCE CHARACTERISTICS OF SUBSTITUTED PRODUCT SHALL BE EQUIVALENT TO THE SPECIFIED PRODUCT. ALL SUBSTITUTE PRODUCTS SHALL BE APPROVED BY CONSULTANTS. ANY ADDITIONAL COSTS INCURRED BY ALL TRADES FOR SUBSTITUTED EQUIPMENT INSTALLATION MUST BE INCURRED BY THIS CONTRACT.

BASE BUILDING STANDARDS SHALL FORM THE BASIS FOR THIS CONSTRUCTION. COMPLY WITH SCHOOL BOARDS' REQUIREMENTS FOR SYSTEM SHUTDOWN AND CONNECTION.

CODES AND BYLAWS SHALL BE STRICTLY ADHERED TO. OBTAIN NECESSARY PERMITS, APPROVALS AND INSPECTIONS FROM THE AUTHORITIES HAVING JURISDICTION.

PERMITS AND FEES REQUIRED BY THE AUTHORITIES HAVING JURISDICTION SHALL BE OBTAINED AND PAID FOR BY THIS CONTRACTOR. INCLUDE ALL APPLICABLE TAXES.

EXISTING SITE CONDITIONS AFFECTING THE WORK OF THIS TRADE SHALL BE REVIEWED PRIOR TO TENDER SUBMISSION. FAILURE TO DO SO SHALL NOT RELIEVE CONTRACTOR OF FULL CONTRACT RESPONSIBILITY.

CUTTING, PATCHING AND CORE DRILLING REQUIRED BY THIS TRADE SHALL BE PAID FOR BY THIS CONTRACTOR. COORDINATE PATCHING WITH GENERAL CONTRACTOR. ANY FLOOR CUTTING, TRENCHING AND EXCAVATION FOR UNDERGROUND PLUMBING SHALL BE BY THE GENERAL CONTRACTOR. BACKFILL SHALL BE BY THIS CONTRACTOR. ALL SAW CUTTING AND RESTORATION OF CONCRETE FLOOR BY GENERAL CONTRACTOR. COORDINATE WITH SAME.

FIRE STOP SHALL BE ULC LISTED FOR THE REQUIRED SEPARATION AND PROVIDED AT ALL PIPE PENETRATIONS THROUGH RATED ASSEMBLIES.

PREMIUM TIME COSTS SHALL BE INCLUDED FOR WORK OUTSIDE OF NORMAL WORKING HOURS.

SHOP DRAWINGS SHALL BE SUBMITTED WITH CONTRACTORS' REVIEWED STAMP. SUBMIT ONE ELECTRONIC COPY. ALLOW ONE (1) WEEK FOR ENGINEERS REVIEW.

CONTROL WIRING AND DEVICES SHALL BE PROVIDED UNDER THIS CONTRACT. WHEN REQUIRED, CONTROL WORK SHALL BE COMPLETED BY SCHOOL BOARDS' APPROVED CONTRACTOR AND PAID FOR UNDER THIS CONTRACT.

ELECTRICAL DEVICES SHALL BE PROVIDED FOR ALL LOAD SIDES INCLUDING WIRING, STARTERS, DISCONNECT, ETC. VERIFY AND COORDINATE VOLTAGE AND PHASE WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.

ACCESS DOORS SHALL BE PROVIDED FOR ALL INACCESSIBLE MECHANICAL EQUIPMENT AND SERVICES REQUIRING INSPECTION OR SERVICE. FINISH SHALL SUIT DESIGNERS REQUIREMENTS. ACCESS DOORS SHALL BE RECESSED AS REQUIRED TO SUIT WALL FINISH (EG. TILE.)

ENGINEERS FINAL INSPECTION IS IMPERATIVE. PRIOR TO INSTALLATION OF ALL CEILINGS, THIS CONTRACTOR SHALL CONTACT MARGARET EDWARDS (ROMAR) AT MEDWARDS@ROMARENGINEERING.COM TO PERFORM A FINAL INSPECTION. WHEN CEILING TILES HAVE BEEN INSTALLED IT WILL BE NECESSARY FOR THE CONTRACTOR TO REMOVE PORTIONS FOR INSPECTION.

ONE YEAR WRITTEN WARRANTY SHALL BE PROVIDED FOR THE COMPLETE MECHANICAL INSTALLATION FROM DATE OF ACCEPTANCE.

CAD AS-BUILT DRAWINGS SHALL BE COMPLETED UTILIZING AUTOCAD. RECORD ACCURATELY INSTALLED WORK ON WHITE PRINTS TRANSFERRING TO AUTOCAD. SUBMIT BOTH COPIES.

OPERATING AND MAINTENANCE MANUALS CONTAINING APPROVED SHOP DRAWINGS, AIR AND WATER BALANCING REPORTS, EQUIPMENT DATA SHEETS, WRITTEN WARRANTY, OPERATING INSTRUCTIONS AND MAINTENANCE PROCEDURES SHALL BE SUBMITTED TO CONSULTANT FOR REVIEW. MANUALS SHALL BE SEPARATED WITH DIVIDERS IN APPROPRIATE SECTIONS. MAKE ALL CORRECTIONS REQUESTED BY CONSULTANT AND RESUBMIT FOR REVIEW.

WHEN THERE IS APPARENT CONTRADICTION OR AMBIGUITY IN THE DOCUMENTS, OR WHERE THERE ARE APPARENT DISCREPANCIES IN OR OMISSIONS FROM THE DOCUMENTS, OR IF THERE IS ANY DOUBT AS TO THE INTENT OF THE DOCUMENTS, THE BIDDER SHALL REQUEST AND OBTAIN WRITTEN CLARIFICATION(S) FROM THE CONSULTANT PRIOR TO SUBMITTING A TENDER. CONSIDERATION SHALL NOT BE GRANTED FOR MISUNDERSTANDING OF THE INTENT OF THE DOCUMENTS OR THE EXTENT OF THE WORK TO BE PERFORMED.

CHANGE NOTICE QUOTATIONS SHALL BE SUBMITTED COMPLETE WITH COST BREAKDOWN OF LABOUR AND MATERIALS. FAILURE TO PROVIDE WILL RESULT IN REJECTION. ALL MECHANICAL CHANGE NOTICES SHALL BE PRICED IN ACCORDANCE WITH "MECHANICAL CONTRACTORS' ASSOCIATION" (MCA), LABOUR UNITS STRICTLY FOR LABOUR AND FOR MATERIAL COST USE "ALL PRISER" LESS 50% DISCOUNT FOR PIPE AND FITTINGS, 35% DISCOUNT FOR INSULATION, AND 25% FOR VALVES AND OTHER MATERIALS.

TEMPORARY FILTERS 25MM (1 IN.) SHALL BE PROVIDED AT ALL BASE BUILDING RETURN AIR OPENINGS WHICH REMAIN OPERATIONAL DURING CONSTRUCTION. FILTERS TO BE REPLACED WEEKLY. REMOVE UPON CONSTRUCTION COMPLETION.

MECHANICAL DEMOLITION

PROVIDE LABOUR, MATERIALS, PRODUCTS, EQUIPMENT AND SERVICES REQUIRED TO COMPLETE THE DEMOLITION WORK SPECIFIED HEREIN. REFER TO DRAWINGS FOR EXTENT OF DEMOLITION WORK. THE DRAWINGS INDICATE THE APPROXIMATE LOCATIONS OF SERVICES AS FAR AS THESE ARE KNOWN. DISPOSE, OFF SITE, OF ALL DEBRIS IN ACCORDANCE WITH THE JURISDICTIONAL AUTHORITIES. REMOVAL AND STORAGE OF SALVAGEABLE ITEMS AS DIRECTED BY THIS SPECIFICATION SECTION UND THE OWNER OF THEIR REPRESENTATIVE.

MEET THE REQUIREMENTS AND RECOMMENDATIONS OF ALL MUNICIPAL, PROVINCIAL AND FEDERAL BYLAWS AND ORDINANCES. EXECUTE THIS WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING CODES AND STANDARDS. CAN/CSA-S350-M1980 CODE OF PRACTICE FOR SAFETY IN DEMOLITION OF STRUCTURES. ONTARIO BUILDING CODE. OCCUPATIONAL HEALTH AND SAFETY ACT. REGULATIONS FOR CONSTRUCTION PROJECTS. ONTARIO FIRE CODE. REGULATIONS UNDER FIRE MARSHALS ACT.

REMOVAL FROM SITE AND DISPOSAL OF DEBRIS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL JURISDICTIONAL AUTHORITIES. ARRANGE AND PAY FOR ALL PERMITS, NOTICES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE DEMOLITION WORK. ALL MATERIALS WHICH HAVE NOT BEEN DESIGNATED FOR SALVAGE FROM THE DEMOLITION SHALL BECOME THE PROPERTY OF THE CONTRACTOR. REMOVE ALL MATERIAL AND DEBRIS FROM THE SITE AS QUICKLY AS POSSIBLE AND DISPOSE OF LEGALLY. BURNING OF DEBRIS OR SELLING OF MATERIALS ON THE SITE WILL NOT BE PERMITTED. CONFORM TO REQUIREMENTS OF MUNICIPALITY'S WORKS DEPARTMENT REGARDING DISPOSAL OF

WASTE MATERIALS. MATERIALS PROHIBITED FROM MUNICIPALITY WASTE MANAGEMENT FACILITIES SHALL BE REMOVED FROM SITE AND DISPOSED OF THROUGH RECYCLING COMPANIES. SPECIALIZING IN RECYCLABLE MATERIALS. AT THE END OF EACH WORK SHIFT, LEAVE WORK IN A SAFE CONDITION. PATCH FIRE RATED PARTITIONS AND FLOORS TO MAINTAIN RATING UPON REMOVAL OF MECHANICAL SERVICES. ORIGINALLY SPANNING FIRE RATED ASSEMBLIES. DEMOLISH WORK INTO SECTIONS OF PRACTICAL SIZE FOR REMOVAL WITHOUT ALTERATION OR DAMAGE TO EXISTING BUILDING. STORE MATERIALS ONLY IN AREAS DESIGNATED BY THE OWNER AND AS PERMITTED BY THE LOCAL JURISDICTIONAL AUTHORITIES. MATERIALS AND DEBRIS SHALL NOT BE STACKED IN BUILDING TO THE EXTENT THAT OVERLOADING OF ANY PART OF THE STRUCTURE WILL OCCUR.

CONFER WITH THE OWNER CONCERNING SCHEDULE, DUST AND NOISE CONTROL. PRIOR TO COMMENCING WORK IN OR ADJACENT TO EXISTING FACILITIES WHERE SUCH WORK MIGHT AFFECT EITHER THOSE FACILITIES OR THEIR OCCUPANTS. EXECUTE WORK WITH LEAST POSSIBLE INTERFERENCE OR DISTURBANCE TO OCCUPANTS. PUBLIC AND NORMAL USE OF PREMISES. PROVIDE TEMPORARY MEANS TO MAINTAIN SECURITY WHEN SECURITY HAS BEEN REDUCED BY DIVISION 15.

PROVIDE TEMPORARY DUST SCREENS, BARRIERS, WARNING SIGNS IN LOCATIONS WHERE RENOVATIONS AND ALTERNATION WORK IS ADJACENT TO AREAS WHICH WILL BE OPERATIVE DURING WORK.

PROTECT ALL MECHANICAL SYSTEMS, INDICATED TO REMAIN, FROM DAMAGE. PROVIDE AND MAINTAIN READY ACCESS TO PREFIGHTING EQUIPMENT AT ALL TIMES. PROVIDE AND MAINTAIN PROPER AND SUITABLE FIRE EXTINGUISHERS THROUGHOUT THE DURATION OF THE WORK.

THE DRAWINGS INDICATE THE APPROXIMATE LOCATIONS OF SERVICES AS FAR AS THESE ARE KNOWN. SHOULD ANY MECHANICAL OR ELECTRICAL SERVICE LINE BE BROKEN, OR DISRUPTED BY OPERATIONS SPECIFIED UNDER THIS CONTRACT, REPAIR SERVICE LINES, AND MAKE GOOD ALL DAMAGE DUE TO THE DISRUPTION OR BREAK. AT NO EXPENSE TO THE OWNER. NOTIFY THE OWNER IMMEDIATELY WHENEVER ANY SERVICE LINE IS BROKEN OR DAMAGED.

DEMOLISH AND REMOVE ALL REDUNDANT AND OBSOLETE CONTROLS (I.E. PNEUMATIC TUBING) AND/OR MECHANICAL EQUIPMENT (I.E. EXHAUST FANS, TRANSFER DUCTS, AIR TERMINAL UNIT) WHICH ARE NOT IDENTIFIED TO REMAIN ON NEW LAYOUT PLANS.

ACCEPT LIABILITY FOR COSTS INCURRED BY THE OWNER IN REPAIRING AND CLEANING EQUIPMENT, ETC., RESULTING FROM FAILURE TO COMPLY WITH THE ABOVE REQUIREMENTS.

CLEAN UP

DURING THE PROCESS OF WORK EACH CONTRACTOR SHALL KEEP HIS WORK TIDY. THE PREMISES SHALL AT ALL TIMES BE FREE FROM RUBBISH AND SURPLUS MATERIALS, CLEAN DAILY.

PROTECTING-TRADES

DIVISION 15 IS ENTIRELY FINANCIALLY RESPONSIBILITY FOR ALL DAMAGE TO PROPERTY OR ADJACENT PROPERTY, ARISING OF THE WORK OF THIS CONTRACTOR, WHETHER CAUSED BY HIMSELF OR ANY PERSONS ENGAGED ON HIS WORK.

DIVISION 15 CONTRACTORS ARE RESPONSIBLE TO ENSURE THAT THEIR EMPLOYEES AND SUB-TRADES USE ONLY SAFE PRACTICES AND CONDITIONS, OBSERVE ALL SAFETY REGULATIONS, SECURITY REGULATIONS AND FIRE SAFETY RULES.

DUCTWORK

NEW MATERIAL AND EQUIPMENT SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH BASE BUILDING STANDARDS.

DUCTWORK AND HANGERS SHALL BE FABRICATED IN ACCORDANCE WITH THE LATEST SMACNA STANDARDS.

FLEXIBLE DUCTWORK SHALL BE FLEXMASTER TRIPLE LOC OR EQUAL, SPIRAL WOUND ALUMINUM. SECURE TO RIGID DUCT USING GEAR CLAMPS. AT THE INLET OF EACH VAV TERMINAL CONTROL UNIT, PROVIDE A MINIMUM OF 3 DIAMETERS OF STRAIGHT FLEX DUCT. MAXIMUM LENGTH 1200 MM [4 FT.-0 IN.]. FLEXIBLE DUCTS SERVING DIFFUSERS SHALL BE INSTALLED AS ONE CONTINUOUS PIECE AND SHALL NOT EXCEED 10'-0" LENGTHS.

FIRE SMOKE DAMPERS SHALL BE OUT OF STREAM ULC LABELED. PROVIDE FIRE DAMPERS AS REQUIRED IN NEW AND EXISTING DUCTWORK C/W ACCESS DOORS.

ACOUSTIC DUCT LINING 25MM (1 IN.) SHALL BE PROVIDED WHERE SHOWN ON DRAWINGS. SECURE WITH MECHANICAL FASTENERS AND ADHESIVE. SEAL RAW EDGES. NOTE DUCT DIMENSIONS ARE CLEAR INSIDE.

THERMAL INSULATION WITH VAPOUR BARRIER SHALL BE PROVIDED ON ALL NEW SUPPLY AIR DUCTWORK TO MATCH BASE BUILDING STANDARDS OR REFER TO INSULATION SECTION.

FLEXIBLE DUCT CONNECTIONS SHALL BE DUKODYNE NEOPRENE AND INSTALLED BETWEEN ALL AIR HANDLING EQUIPMENT AND SYSTEM DUCTWORK.

AIR TRANSFER OPENINGS INDICATED WITHOUT DUCT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO ADVISE AND CONFIRM PROVISION BY GENERAL TRADES.

BALANCING AND VOLUME CONTROL. DAMPERS SHALL BE PROVIDED IN NEW OR EXISTING DUCTWORK TO PROVIDE A COMPLETE AND BALANCED SYSTEM. BALANCING CONTRACTOR SHALL BE A MEMBER OF AABC OR NEBC. SUBMIT BALANCING REPORT IN TRIPLICATE TO THE CONSULTANT AND THE OWNER INDICATING TERMINAL DESIGN AND MEASURED FLOW RATES. PROVIDE EIGHT (8) ADDITIONAL HOURS OF BALANCING WORK. THIS WORK SHALL BE PERFORMED AFTER THE OCCUPANTS HAVE MOVED IN, AS MAY BE REQUIRED FOR COMFORT BALANCING.

BALANCING WORK SHALL BE COMPLETED BY SCHOOL BOARD APPROVED CONTRACTORS - QUALITY AIR DISTRIBUTION INC. AT 289-892-7168 OR AIRFLOW TESTING AND BALANCING AT 613-876-9314.

FAN SHEAVES SHALL BE ADJUSTED OR REPLACED AS REQUIRED TO OBTAIN DESIGN AIR QUANTITIES. COORDINATE THIS WORK WITH SCHOOL BOARD.

HVAC PIPING SYSTEMS

PIPING MATERIAL FOR HEATING, CHILLED AND HEAT PUMP CIRCUITS SHALL BE ASTM A53 BLACK STEEL SCHEDULE 40, ELECTRIC RESISTANCE WELDED. PIPING UNDER 65MM (2-1/2") SHALL BE THREADED FOR 1035 KPA (150 PSI) BEADED MALLEABLE IRON LINE JOINT COUPLINGS AND 860 KPA (125 PSI) THREADED CAST IRON FITTINGS.

PIPING 65MM (2-1/2") AND LARGER SHALL HAVE WELDED LINE JOINTS WITH ENDS BEVELED FOR WELDING AND STANDARD WALL SEAMLESS STEEL, GRINNEL, TUBETURN OR LADISH FITTINGS AND 1035 KPA (150 PSI) SLIP-ON FLANGES.

CONDENSATE DRAINS SHALL BE DWV COPPER DRAINAGE TUBE WITH CAST BRASS FITTINGS AND 50/50 SOLDERED JOINTS.

VALVES CRANE OR JENKINS (JENKINS FIGURE NUMBER LISTED BELOW):

1. TO 1379 KPA [200 PSI] WORKING PRESSURE:

	GATE	GLOBE	BALL
50 MM [2 IN.] AND SMALLER	813	106-BP	34
SOLDERED	810	106-B	33
SCREWED			

65 MM [2-1/2 IN.] AND LARGER	454	2342	NOT APPLICABLE
FLANGED			

2. TO 2068 KPA [300 PSI] WORKING PRESSURE:

	GATE	GLOBE	BALL
50 MM [2 IN.] AND SMALLER	902A	106-BP	34
SOLDERED	2810	106-B	33
SCREWED			

65 MM [2-1/2 IN.] AND LARGER	204	162	NOT APPLICABLE
FLANGED			

CHECK VALVE: CRANE 37

3. PROVIDE BALL OR BUTTERFLY VALVES FOR ALL SHUT-OFF REQUIREMENTS. GATE VALVES WILL NOT BE APPROVED.

4. PROVIDE 20 MM [3/4" IN.] HOSE END DRAIN VALVES WITH CAP AND CHAIN AT ALL SYSTEM LOW POINTS.

5. PROVIDE DI-ELECTRIC COUPLINGS FOR CONNECTION OF DISSIMILAR PIPING MATERIALS.

PROVIDE CIRCUIT BALANCING VALVES AS REQUIRED TO BALANCE WATER FLOW. CIRCUIT BALANCING VALVES SHALL BE ARMSTRONG MODEL C614 - Y PATTERN STYLE. ALL METAL WITH SOLDERED OR SCREWED CONNECTIONS, BUILT-IN DRAIN CONNECTION WITH SHUT OFF VALVE AND PROTECTIVE CAPS AND INTEGRAL VAPOR INSULATION. PROVIDE FOR EACH VALVE:

1. VERNIER TYPE HANDWHEEL SETTINGS FOR PRECISION FLOW BALANCING.

2. POSITIVE SHUT OFF VALVE WITH NO DRIP SEAT AND PLUG TYPE STEM WITH TEFLON DISC.

3. TAMPER PROOF HIDDEN MEMORY.

4. POSITIVE SHUT OFF METERING VALVES WITH CONNECTIONS FOR PORTABLE METER.

SELECT CIRCUIT BALANCING VALVE SIZE TO GIVE A PRESSURE DROP AT 100% OPEN BETWEEN 3.0 KPA [1 FT.] AND 21 KPA [7 FT.]. SELECT VALVES LOCATION REMOTE FROM THE PUMPS IN THE CIRCUIT NEAR MINIMUM PRESSURE DROP AND THOSE LOCATED NEAR THE PUMPS AT HIGHER PRESSURE DROPS.

PROVIDE SAFETY AND RELIEF VALVES FOR ALL CLOSED WATER SYSTEMS. PIPE RELIEF TO NEAREST FLOOR DRAIN. PROVIDE WATTS 174A VALVES RATED AT 1035 KPA [150 PSIG] AT 99°C [210°F] ASTM RATED. CAST IRON BODY BRONZE DISC AND SEAT, STEEL SPINDLE ASSEMBLY, CARBON STEEL SPRING.

PROVIDE STRAINERS UPSTREAM OF EACH PUMP AND WHERE INDICATED ON DRAWINGS. STRAINERS SHALL BE BRONZE BODY TYPE WITH SCREWED CONNECTIONS, STAINLESS STEEL SCREENS WITH 1.6 MM [1/16 IN.] PERFORATIONS AND CAPABLE OF SYSTEM PRESSURE OF 860 KPA [125 PSI].

AUTOMATIC AIR VENTS AND COLLECTING CHAMBERS SPIRAX 13W SHALL BE PROVIDED AT ALL HIGH POINTS OF PIPING SYSTEM. ENSURE RATINGS ARE COMPATIBLE WITH SYSTEM PRESSURE.

INSULATION SHALL BE PROVIDED TO MATCH BASE BUILDING STANDARDS OR REFER TO INSULATION SECTION.

FLUSH CLEAN AND PRESSURE TEST ALL HVAC PIPING SYSTEMS. CHEMICALLY CLEAN ALL PIPING SYSTEMS UTILIZING LOW FOAMING CHEMICAL DETERGENTS WHICH SHALL NOT ADVERSELY AFFECT SYSTEM COMPONENTS.

WATER BALANCING SHALL BE PROVIDED FOR ALL CHILLED WATER SYSTEMS AND SHALL INCLUDE A WRITTEN REPORT INDICATING TEMPERATURE, FLOW RATES, OPERATING PRESSURES AND PRESSURE DIFFERENTIAL BETWEEN THE SUPPLY AND RETURN AT EACH PIECE OF EQUIPMENT.

PERFORM PRESSURE TESTING ON ALL NEW AND MODIFIED PIPES TO ENSURE TIGHTNESS OF ALL NEW JOINTS USING HYDROSTATIC TEST AT 150% OF DESIGN WORKING PRESSURE BUT NOT LESS THAN 700KPA (100 PSI). TEST WITHOUT PRESSURE DROP FOR MIN. 4 HOURS AND REMOVE AND REPLACE DEFECTIVE PARTS AND COMPONENTS THAT WILL NOT WITHSTAND PRESSURE.

EF SCHEDULE												
TAG	LOCATION	MANUFACTURER	MODEL	ENCLOSURE TYPE	ENCLOSURE HEIGHT	FIN LENGTH	ROWS	HEATING CAPACITY	FLUID	EWT	LWT	REMARKS
					(IN)	(IN)	(QTY)	(BTU/FT.)				
WF-1	RM. 216	SIGMA	SWE-SS	DOUBLE SLOPED, TOP OUTLET, BOTTOM INLET.	12	16	1	630	WATER	160	140	
WF-2	RM. 217A	SIGMA	SWE-SS	DOUBLE SLOPED, TOP OUTLET, BOTTOM INLET.	12	42	1	630	WATER	160	140	
WF-3	RM. 217B	SIGMA	SWE-SS	DOUBLE SLOPED, TOP OUTLET, BOTTOM INLET.	12	58	1	630	WATER	160	140	
ACCEPTABLE ALTERNATE: GREENHECK, CARNES, PENN.												

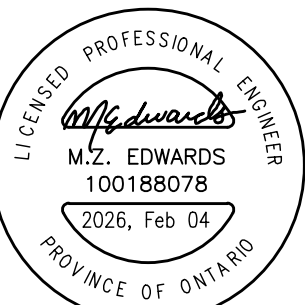
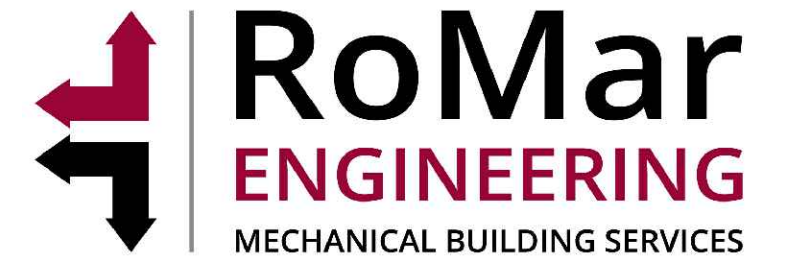
IMPERIAL TO METRIC SIZING CONVERSION					
1/8"	3mm	1"	25mm	3"	75mm
1/4"	6mm	1 1/4"	32mm	3 1/2"	90mm
3/8"	10mm	1 1/2"	40mm	4"	100mm
1/2"	15mm	2"	50mm	5"	125mm
3/4"	20mm	2 1/2"	65mm	6"	150mm

MECHANICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EXISTING DUCTS, PIPES & EQUIPMENT TO REMAIN		NEW FLOOR DRAIN
	DUCTS, PIPES & EQUIPMENT TO BE REMOVED		NEW ROOF DRAIN
	NEW DUCT OR PIPE		NEW ISOLATION VALVE
	NEW DUCT OR EQUIPMENT		EXISTING BALL VALVE TO REMAIN
	NEW FLEXIBLE DUCT		NEW BALL VALVE
	NEW CAP ON EXISTING DUCT OR PIPE		EXISTING CONTROL VALVE TO REMAIN
	NEW CAP ON EXISTING DUCT		NEW CONTROL VALVE
	EXISTING VAV BOX TO REMAIN		NEW PRESSURE REDUCING VALVE
	EXISTING THERMOSTAT		NEW CIRCUIT BALANCING VALVE
	REMOVE OR RE-USE WHERE SHOWN AS NEW		NEW THREE WAY AUTOMATIC CONTROL VALVE
	NEW THERMOSTAT		VENT THROUGH ROOF
	FAN SWITCH		DOWN THROUGH FLOOR
	EXISTING SPRINKLER HEAD TO REMAIN		PIPE UP
	REMOVE OR RELOCATE EXISTING SPRINKLER HEAD		PIPE DOWN
	NEW FIRE DAMPER		NEW METER
	NEW SMOKE DAMPER		NEW UNION
	NEW MANUAL BALANCING DAMPER		NEW STRAINER
	NEW VOLUME DAMPER		NEW BACKFLOW PREVENTER
	NEW MOTORIZED COMBINATION FIRE AND SMOKE DAMPER		EXISTING SANITARY DRAIN TO REMAIN
	NEW SANITARY VENT PIPE		EXISTING SANITARY DRAIN UNDER FLOOR TO REMAIN
	EXISTING SANITARY VENT PIPE TO REMAIN		EXISTING STORM DRAIN TO REMAIN
	NEW NATURAL GAS PIPE		EXISTING STORM DRAIN UNDER FLOOR TO REMAIN
	EXISTING NATURAL GAS PIPE TO REMAIN		NEW SANITARY DRAIN
	NEW CONDENSATE DRAIN		NEW SANITARY DRAIN UNDER FLOOR
	EXISTING CONDENSATE DRAIN TO REMAIN		P-TRAP
	HEATED WATER SUPPLY		EXISTING DOMESTIC COLD WATER TO REMAIN
	EXISTING HEATED WATER SUPPLY TO REMAIN		EXISTING DOMESTIC HOT WATER TO REMAIN
	NEW HEATED WATER RETURN		EXISTING DOMESTIC HOT WATER RECIRCULATION TO REMAIN
	EXISTING HEATED WATER RETURN TO REMAIN		NEW DOMESTIC COLD WATER
	NEW CHILLED WATER SUPPLY		NEW DOMESTIC HOT WATER
	EXISTING FIRE LINE TO REMAIN		NEW DOMESTIC HOT WATER RECIRCULATION
	EXISTING SPRINKLER LINE TO REMAIN		CIRCULATING PUMP
	GRILLE OR REGISTER SIZE TYPE		DIFF NECK SIZE DIFF TYPE
	EXHAUST OR RETURN AIR CFM		SUPPLY AIR L/S

DRAWING SCHEDULE	
DWG NO	DRAWING TITLE
M-100	MECHANICAL LEGEND, SPECIFICATIONS, SCHEDULES & DRAWING LIST
M-101	SCHEDULES AND PLUMBING CUT SHEETS
M-102	DETAILS
M-200	1ST FLOOR CHANGEROOM - MECHANICAL (DEMO/NEW)
M-201	2ND FLOOR WASHROOM - PD (DEMO/NEW)
M-202	2ND FLOOR WASHROOM - HVAC (DEMO/NEW)

AIR TERMINAL SCHEDULE						
TAG	SIZE	MANUFACTURER	TYPE	DESCRIPTION	FINISH	OPTIONS/ ACCESSORIES
A	300/300	EH PRICE	535-FR-(D)	FIRE RATED LOUVERED FACE RETURN	B12	SINGLE DEFLECTION, 1/2" BLADE SPACING, CEILING FIRESTOP FLAP, 165°F FUSEABLE LINK, ULC LISTED C/W DAMPER.
B	300/300	EH PRICE	535-FR-L	FIRE RATED LOUVERED FACE RETURN	B12	SINGLE DEFLECTION, 1/2" BLADE SPACING, CEILING FIRESTOP FLAP, 165°F FUSEABLE LINK, ULC LISTED.
NOTES: EH PRICE OR APPROVED EQUAL						

EF SCHEDULE							
TAG	MANUFACTURER	AIR VOLUME (CFM)	ESP (IN H2O)	MOTOR (HP)	ELECTRICAL (V/PH/HZ)	FLA	REMARKS
EF-216	COOK	375	0.5	FRACTIONAL	120/1/60		ROOF MOUNTED
EF-211	BROAN L100MG	100	0.25	FRACTIONAL	120/1/60		CEILING MOUNTED
ACCEPTABLE ALTERNATE: GREENHECK, CARNES, PENN.							



2	FEB 05, 2026	ISSUED FOR PERMIT/TENDER
1	JAN 28, 2026	ISSUED FOR REVIEW

Revisions, Issues

Project: WASHROOM RENOVATIONS		
BELLWOOD PS		
30 BELLWOOD DR. WHITBY, ON L1N 8M4		
Title: MECHANICAL LEGEND, SPECIFICATIONS, SCHEDULES & DRAWING LIST		
Scale: NTS	Date:	Drawing: M-100
Project: 25-17	Drawn By: GPC	

DATE PLOTTED: JAN 05 2026

PLUMBING SYSTEM

EXISTING SANITARY DRAIN LOCATIONS AND INVERT ELEVATIONS SHALL BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF WORK.

PIPING MATERIALS:

1. DOMESTIC HOT AND COLD WATER PIPING – TYPE “L” HARD COPPER WITH SOLDER JOINTS. PROVIDE TYPE “K” SOFT COPPER PIPING WITHOUT JOINTS BELOW GROUND. VICTAULIC FITTINGS ARE ACCEPTABLE FOR PIPE SIZES 2.5” AND OVER.

2. DRAINAGE AND VENT PIPING (2-1/2”Ø AND SMALLER):

SANITARY PIPING, ABOVE GROUND – DWV COPPER PIPE WITH WROUGHT COPPER SOLDER FITTINGS OR IPX EXF OR PVC DWV.

SANITARY PIPING, BELOW GROUND – TYPE L COPPER WITH 50/50 SOLDER JOINTS.

VENT PIPING, ABOVE GROUND – DWV COPPER PIPE WITH DRAINAGE FITTINGS, 50/50 SOLDER JOINTS.

VENT PIPING, BELOW GROUND – TYPE L COPPER PIPE WITH WROUGHT COPPER FITTINGS AND 50/50 SOLDER JOINTS.

3. DRAINAGE AND VENT PIPING (3”Ø AND LARGER):

SANITARY PIPING, ABOVE GROUND – CAST IRON MJ PIPE WITH MJ FITTINGS AND STAINLESS STEEL CLAMPS.

SANITARY PIPING, BELOW GROUND – ULC CERTIFIED PVC 40 DWV PIPE TO CAN/CSA B181.2 COMPLETE WITH PVC DWV FITTINGS TO CAN/CSA B181.2 WITH SOLVENT WELD JOINT, OR

ULC CERTIFIED PVCSDR 36 BBS PIPE TO CAN/CSA B182.1 COMPLETE WITH PVC BBS FITTINGS TO CAN/CSA B182.2 WITH SOLVENT WELD JOINTS.

VENT PIPING, ABOVE GROUND – CSA CLASS 4000 CAST IRON SOIL PIPE AND FITTINGS, WITH MECHANICAL JOINTS.

VENT PIPING, BELOW GROUND – CSA CLASS 4000 CAST IRON SOIL PIPE AND FITTINGS, WITH MECHANICAL JOINTS.

PROVIDE A SUPPLY SHUT OFF VALVE ON HOT, COLD, AND/OR TEMPERED WATER SUPPLY TO EACH INDIVIDUAL FIXTURE. SUPPLY SHUT OFF SHALL BE EQUAL TO MCQUIRE H165. ALL VALVES SHALL BE LINE SIZE.

BALL VALVES SHALL BE LEAD FREE WITH SOLDERED OR THREADED ENDS. BALL VALVES SHALL BE EQUAL TO KITZ #858 AND #859. ALL VALVES SHALL BE LINE SIZE.

CHECK VALVES SHALL BE LEAD FREE. CHECK VALVES 2” AND SMALLER SHALL BE EQUAL TO KITZ #822 AND #823 WITH SOLDER OR THREADED ENDS. 2 1/2” AND LARGER CHECK VALVES SHALL BE EQUAL TO KITZ #15010AM WITH FLANGED ENDS. ALL VALVES SHALL BE LINE SIZE.

FLEXIBLE SUPPLIES ARE NOT ACCEPTABLE FOR FLUSH TANK TOILETS OR ANY EXPOSED INSTALLATION. WHERE SUPPLIES ARE INSTALLED UNDER COUNTER OR BEHIND SHROUDS FLEXIBLE SUPPLIES ARE ACCEPTABLE.

PLUMBING FIXTURES INCLUDING DOMESTIC HOT WATER HEATERS SHALL BE NEW, OF FIRST QUALITY, IN PERFECT CONDITION AND INSTALLED IN BEST WORKMANLIKE MANNER. VERIFY PLUMBING FIXTURE QUANTITIES AND LOCATIONS WITH ARCHITECT’S/DESIGNER’S DRAWINGS. REUSE OF DOMESTIC WATER HEATER IS NOT PERMITTED.

TRAP SEAL PRIMER MUST BE PROVIDED ON ALL NEW FLOOR DRAINS, FUNNEL FLOOR DRAINS AND HUB DRAINS.

EXPOSED PIPING AND FITTINGS WITHIN WASHROOMS SHALL BE CHROME PLATED. PROVIDE CHROME PLATED ESCUTCHEONS ON ALL PIPING PASSING THROUGH FINISHED SURFACES AND MILLWORK.

INSULATION

PIPING INSULATION

PROVIDE ALL LABOUR, MATERIALS, PRODUCTS, EQUIPMENT AND SERVICES TO SUPPLY AND INSTALL THERMAL INSULATION, VAPOUR BARRIERS AND FINISHES FOR MECHANICAL WORK AS INDICATED ON THE DRAWINGS AND SPECIFIED IN THIS SECTION OF THESE SPECIFICATIONS.

MAINTAIN AMBIENT TEMPERATURES AND CONDITIONS REQUIRED BY MANUFACTURERS OF ADHESIVES, MASTICS AND INSULATING CEMENTS.

INSULATION MATERIALS MUST BE MANUFACTURED AT FACILITIES CERTIFIED AND REGISTERED WITH AN APPROVED REGISTRAR TO CONFORM TO ISO 9000 QUALITY STANDARD.

ALL INSULATION PERTAINING TO DIVISION 15 SHALL BE CARRIED OUT BY ONE FIRM SPECIALIZING IN INSULATION WORK. DO NOT MIX SIMILAR PRODUCTS OF MULTIPLE MANUFACTURERS.

ACCEPTABLE INSULATION MANUFACTURERS ARE OWENS CORNING CANADA, JOHNS MANVILLE, MANSION INSULATION INC. KNAUF FIBER GLASS AND CERTANTEED.

PROVIDE INSULATION AND COVERS IN STRICT ACCORDANCE WITH AUTHORITIES GOVERNING COMBUSTIBILITY AND FIREPROOFING OF MATERIALS AND IN ACCORDANCE WITH MANUFACTURER’S RECOMMENDATIONS.

PROVIDE NON-COMBUSTIBLE INSULATION, JACKETS AND FINISHES HAVING A FLAME SPREAD/SMOKE DEVELOPED RATING OF 25/50 OR LESS, MEETING CAN/ULC S-102 REQUIREMENTS.

ATTAIN A COMPLETE AND CONTINUOUS VAPOUR BARRIER OVER INSULATION APPLIED TO COLD AND DUAL TEMPERATURE PIPING, SHEET METAL AND EQUIPMENT. USE EITHER FACTORY APPLIED VAPOUR BARRIER JACKET OF FIELD APPLIED REINFORCED FOIL FLAME RESISTANT KRAFT VAPOUR BARRIER JACKET. APPLY TO PIPING AND FITTINGS, VALVES AND INLINE COMPONENTS. SHEET METAL AND FITTINGS AND EQUIPMENT. SEAL LONGITUDINAL AND CIRCUMFERENTIAL LAPS WITH CHILDERS CP82 OR BAKOR 230-39 ADHESIVE. IF VAPOUR BARRIER JACKET IS NOT LAPPED, SEAL JOINTS WITH SELF-ADHERING 4” WIDE PLAIN ALUMINUM FOIL TAPE, OR ADHERE 4” WIDE ALUMINUM FOIL TAPE WITH CHILDERS CP82 OR BAKOR 230-39 ADHESIVE. JACKETING WITH SELF-ADHESIVE LAPS AND SELF-ADHESIVE BARRIER TAPE WILL BE AN ACCEPTABLE ALTERNATIVE CLOSURE SYSTEM.

PROVIDE INSULATION MATERIALS WITH A MINIMUM THERMAL CONDUCTIVITY OF 0.24BTU/(HR. SQ.FT.FT) AT 100°F MEAN TEMPERATURE.

ON HOT PIPING APPLICATIONS, HOLD INSULATION IN PLACE WITH FLARE TYPE STAPLES (OUTWARD CLINCH).

ON COLD PIPING APPLICATIONS, APPLY VAPOUR BARRIER JACKET OVER INSULATION AND SEAL LONGITUDINAL AND CIRCUMFERENTIAL LAPS WITH CHILDERS CP82 OR BAKELITE 230-39 ADHESIVE. SEAL ALL PIPE TERMINATIONS, INCLUDING FITTINGS, WALL PENETRATIONS AND PIPE SUPPORTS WITH VAPOUR BARRIER MASTIC. FOR CHILLED WATER SYSTEMS PROVIDE VAPOUR SEAL PIPE TERMINATIONS EVERY FOUR PIPE SECTIONS.

APPLY PIPE INSULATION OVER 1-1/2” THICKNESS IN TWO LAYERS WITH JOINTS STAGGERED.

INSULATE FITTINGS WITH FABRICATED MITERED OR PREFORMED SECTIONS OF SPECIFIED INSULATION.

INSULATE OVER FLANGES AND MECHANICAL COUPLINGS WITH SPECIFIED INSULATION AND THICKNESS, SIZED TO SUIT FLANGE DIAMETERS. FILL SPACES BETWEEN INSULATION AND ADJOINING PIPE INSULATION WITH SIMILAR MATERIAL.

INSULATE VALVES AND INLINE COMPONENTS WITH FLEXIBLE INSULATION DENSITY (3/4 LBS./CU.FT.) COMPRESSED NOT MORE THAN 50% OF ORIGINAL THICKNESS. BUILD UP TO SPECIFIED THICKNESS WITH APPROVED ASBESTOS FREE FINISHING CEMENT.

DO NOT INSULATE TERMINAL UNIT AUTOMATIC CONTROL VALVES INSTALLED IN HOT PIPING. DO NOT INSULATE TERMINAL UNIT AUTOMATIC CONTROL VALVES WHICH ARE INSTALLED IN COLD PIPING AND WHICH ARE LOCATED OVER CONDENSATE DRAIN PANS.

UNDER ALL HANGERS USED ON CHILLED WATER AND DOMESTIC COLD WATER, PROVIDE AN INSERT BETWEEN SUPPORT SHIELD AND PIPING FOR PIPING 1-1/2”Ø OR LARGER.

PROVIDE THE FOLLOWING PIPE INSULATION TYPE AS INDICATED IN THE PIPE INSULATION TABLE BELOW.

TYPE P1” OWENS CORNING 850 PIPE INSULATION, JOHNS MANVILLE MICRO-LOK AP-T PLUS FIBERGLAS PIPE INSULATION, MANSION FIBERGLAS PIPE INSULATION OR KNAUF PIPE INSULATION WITH FACTORY APPLIED ALL PURPOSE VAPOUR BARRIER JACKET WHERE SCHEDULED.

DUTY	INSULATION TYPE	THICKNESS	VAPOUR BARRIER
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DOMESTIC COLD WATER 4” AND LESS	P-1	1/2”	YES
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DOMESTIC HOT WATER LESS THAN 1-1/2”	P-1	1”	NO
1-1/2” AND LARGER	P-1	1-1/2”	NO

BUILDING HOT WATER 2” AND LESS	P-1	1”	NO
2-1/2” AND LARGER	P-1	1-1/2”	NO

HORIZONTAL STORM AND SANITARY DRAINAGE ALL PIPE SIZES	P-1	1”	YES
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SHEET METAL INSULATION

PROVIDE INSULATION WITH A MINIMUM THERMAL RESISTANCE OF 0.25 BTU/(HR. SQ.FT. °F AT 75°F MEAN TEMPERATURE.

APPLY VAPOUR BARRIER OVER INSULATION ON COLD TEMPERATURE DUCTWORK.

CIRCULAR SILENCERS AND ACOUSTIC PLENUMS NEED NOT BE EXTERNALLY INSULATED.

DUCTWORK AND CASINGS LINED WITH ACOUSTIC INSULATION 1” OR MORE IN THICKNESS NEED NOT BE EXTERNALLY INSULATED.

PROVIDE THE FOLLOWING DUCTWORK INSULATION TYPE AS INDICATED IN THE DUCTWORK INSULATION TABLE BELOW.

TYPE D1” OWENS CORNING RIGID VAPOUR SEAL DUCT INSULATION, JOHN MANSVILLE 814 SPIN-GLAS WITH FSK FACING, MANSION SPIN-GLAS RIGID INSULATING BOARD WITH REINFORCED FOIL FACING, OR KNAUF RIGID INSULATION BOARD WITH FSK FACING. DENSITY SHALL BE NOT LESS THAN 3LBS./CU.FT. IMPALE ON MECHANICALLY FASTENED PINS LOCATED AT NOT GREATER THAN 12” CENTERS. SECURE WITH SPEED WASHERS. BUTT JOINTS TIGHTLY TOGETHER AND SEAL WASHERS, BREAKS AND JOINTS WITH SELF-ADHERING 4” WIDE PLAIN ALUMINUM TAPE, OR ADHERE FOIL WITH CHILDERS CP82 OR BAKELITE 230-39 ADHESIVE.

TYPE D2” OWENS CORNING FLEXIBLE DUCT INSULATION, JOHNS MANVILLE MICROLITE TYPE 75 DUCT WRAP, MANSION MICROLITE INSULATION OR KRAFT DUCT WRAP. (3/4LB./CU.FT.) DENSITY WITH FACTORY APPLIED REINFORCED FOIL FACING. ADHERE INSULATION TO DUCT SURFACE WITH CHILDERS CP82 OR BAKELITE 230-39 ADHESIVE, WHICH SHALL BE APPLIED IN STRIPS 6” WIDE AT NOT GREATER THAN 12” CENTERS. BUTT EDGES OF INSULATION TIGHTLY TOGETHER, AND SEAL BREAKS AND JOINTS OF FACING WITH SELF-ADHERING 4” WIDE ALUMINUM TAPE OR ADHERE FOIL WITH CHILDER CP82 OR BAKELITE 230-39 ADHESIVE.

DUTY	INSULATION TYPE	THICKNESS	VAPOUR BARRIER
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PANELS BEHIND UNSEID PORTION OF LOUVRES	D-1	2”	YES
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FINAL 10” OF EXHAUST DUCT BEFORE EXITING BUILDING	D-1	1”	YES
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EXPOSED DUCTWORK	D-1	1”	YES
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DUCTWORK OUTSIDE OF BUILDING OR EXPOSED TO WEATHER	D-1	2”	YES
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CONCEALED DUCTWORK UP TO TERMINAL CONTROL UNITS	D-2	1”	YES
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CONCEALED DUCTWORK FROM AIR TERMINAL CONTROL UNIT DISCHARGE TO AIR TERMINALS EXCLUDING FLEXIBLE DUCTWORK.	D-2	1”	YES
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PROTECT THE WORK OF THIS TRADE FROM BEING DEFACED BY OTHER TRADES. MAKE GOOD ANY DAMAGE AND LEAVE IN PERFECT CONDITION, READY FOR FINAL PAINTING.

APPLY INSULATION OVER CLEAN DRY SURFACES, FIRMLY BUTTING ALL SECTIONS TOGETHER.

CONTROLS

EXISTING BAS SYSTEM WITHIN SCHOOL IS SIEMENS CONTROLS. MECHANICAL CONTRACTOR TO CARRY \$7,500 CASH ALLOWANCE FOR BAS INSTALL.

ONCE CONTRACT IS AWARDED, DDSB SHALL SELECT A PRE-QUALIFIED INSTALLING CONTROLS CONTRACTOR.

MECHANICAL AND CONTROLS CONTRACTOR SHALL ENSURE BAS COMMUNICATIONS WIRING REMAINS FULLY OPERATIONAL DURING RENOVATION. PROVIDE TEMPORARY WIRING AS REQUIRED. BAS CONTRACTOR TO BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY BAS WIRING DEMO SUCH THAT NO DAMAGE IS DONE TO EXISTING HARDWARE WHICH WILL BE TURNED OVER TO DDSB FOR RE-USE.

MOUNTING HEIGHT SHALL BE 1500 MM [5 FT.] FROM FINISHED FLOOR. COORDINATE LOCATION WITH ARCHITECT/DESIGNER. DO NOT INSTALL IN VICINITY OF ELECTRICAL LIGHTING DIMMERS.

COORDINATE FINAL LOCATION OF THERMOSTATS WITH THE INTERIOR DESIGNER WITHIN 1000MM (40 IN) OF LOCATION SHOWN. ALL RELOCATIONS OUTSIDE OF THIS RANGE SHALL BE REVIEWED WITH THE CONSULTANT.

CLEAN AND RECALIBRATE ALL EXISTING THERMOSTATS UPON COMPLETION OF CONSTRUCTION. SUBMIT REPORT THAT THIS WORK WAS COMPLETED.

PROVIDE ALL NECESSARY EMT CONDUIT, FITTINGS AND WIRE TO PROVIDE A COMPLETE AND OPERATING CONTROL SYSTEM. HARD WIRE ALL ELECTRICAL CONTROL DEVICES INTO THE ASSOCIATED SYSTEM MAGNETIC STARTER. ELECTRICAL TO PROVIDE 120V POWER TO CONTROL PANEL FROM THE NEAREST NORMAL POWER ELECTRICAL DISTRIBUTION PANEL.

PROVIDE ONE (1) YEAR WARRANTY ON ALL CONTROLS MATERIAL AND LABOUR. PROVIDE ALL CONTROL SHOP DRAWINGS C/W ALL CONTROL COMPONENTS, SCHEMATICS, SEQUENCES, AND WIRING DETAILS. PROVIDE AS BUILT CONTROLS DRAWINGS FOR INCLUSION IN O&M MANUALS.

BAS CONTRACTOR SHALL UPDATE ALL GRAPHICS, PROGRAMMING, PANELS, ETC. TO REFLECT CURRENT SCOPE OF WORK AND FLOOR PLANS INCLUDING ROOM NAMES AND NUMBERS.

PERMANENTLY IDENTIFY EACH WIRE, CABLE, CONDUIT AND TUBE AT EACH POINT OF CONNECTION. REMOVE AND DISPOSE OF EXISTING INSTRUMENTATION WHICH BECOMES REDUNDANT IN ACCORDANCE WITH THE OWNER’S DIRECTION.

PLUMBING FIXTURES:

WC-1 FLOOR MOUNTED TOILET – VITREOUS CHINA – FLUSH VALVE – BARRIER FREE

AMERICAN STANDARD MADERA FLOWISE RIGHT HEIGHT ELONGATED #3461.001 HIGH EFFICIENCY, LOW CONSUMPTION TOILET, WHITE VITREOUS CHINA WITH EVERCLEAN ANTIMICROBIAL SURFACE WHICH INHIBITS THE GROWTH OF STAIN AND ODOR CAUSING BACTERIA MOLD AND MILDEW, ELONGATED BOWL, WHITE FINISH, FLOOR MOUNTED, SIPHON JET FLUSH ACTION, OPERATES IN THE RANGE OF 4.2 L TO 6 L (1.1 US GAL TO 1.6 US GAL) PER FLUSH, CONDENSATE CHANNEL, 420MM RIM HEIGHT, 305 MM X 254 MM (12” X 10”) WATER SURFACE, ELONGATED BOWL, 54 MM (2-1/8”) FULLY GLAZED INTERNAL TRAPWAY, 38 MM (1-1/2”) DIA. TOP SPUD, FLOOR OUTLET, BOLT CAPS, TOILET SEAT NOT INCLUDED.

DELTA TECK B17201-48 MANUAL WATER CLOSET FLUSH VALVE, PISTON-OPERATED DELIVERING 1.28GPF (4.8L/M) VOLUME, NON-HOLD OPEN HANDLE, CAST-BRASS BODY AND STOP.

CENTOCO #8025T5.407 TOILET SEAT, EXTRA HEAVY DUTY, BLACK FINISH, FOR ELONGATED BOWL, OPEN FRONT, SOLID PLASTIC, WITH COVER, STAINLESS STEEL SELF-SUSTAINING CHECK HINGES, METAL FLAT WASHERS STAINLESS STEEL POSTS AND NUTS. MCQUIRE #LFH168LKX3 TOILET SUPPLY, CHROME PLATED FINISH POLISHED BRASS, HEAVY DUTY ANGLE STOPS, 13 MM (1/2”) I.P.S. INLET X 76 MM (3”) LONG RIGID HORIZONTAL NIPPLES, V.P. LOOSE KEYS, ESCUTCHEON AND FLEXIBLE COPPER RISERS.

PROVIDE FLOOR FLANGE, (SAME MATERIAL AS THE CONNECTING PIPE DRAIN), WITH ALL BRASS BOLTS AND WITH RUBBER GASKET.

WC-2 FLOOR MOUNTED TOILET – VITREOUS CHINA – FLUSH VALVE

AMERICAN STANDARD MADERA FLOWISE ELONGATED #3451.001 HIGH EFFICIENCY, LOW CONSUMPTION TOILET, WHITE VITREOUS CHINA WITH EVERCLEAN ANTIMICROBIAL SURFACE WHICH INHIBITS THE GROWTH OF STAIN AND ODOR CAUSING BACTERIA MOLD AND MILDEW, ELONGATED BOWL, WHITE FINISH, FLOOR MOUNTED, SIPHON JET FLUSH ACTION, OPERATES IN THE RANGE OF 4.2 L TO 6 L (1.1 US GAL TO 1.6 US GAL) PER FLUSH, CONDENSATE CHANNEL, 305 MM X 254 MM (12” X 10”) WATER SURFACE, ELONGATED BOWL, 54 MM (2-1/8”) FULLY GLAZED INTERNAL TRAPWAY, 38 MM (1-1/2”) DIA. TOP SPUD, FLOOR OUTLET, BOLT CAPS, TOILET SEAT NOT INCLUDED.

DELTA TECK B17201-48 MANUAL WATER CLOSET FLUSH VALVE, PISTON-OPERATED DELIVERING 1.28GPF (4.8L/M) VOLUME, NON-HOLD OPEN HANDLE, CAST-BRASS BODY AND STOP.

CENTOCO #5005TSC55.407 TOILET SEAT, EXTRA HEAVY DUTY, FOR ELONGATED BOWL, BLACK FINISH, OPEN FRONT, SOLID PLASTIC, LESS COVER, STAINLESS STEEL SELF-SUSTAINING CHECK HINGES, METAL FLAT WASHERS STAINLESS STEEL POSTS AND NUTS.

MCQUIRE #LFH168LKX3 TOILET SUPPLY, CHROME PLATED FINISH POLISHED BRASS, HEAVY DUTY ANGLE STOPS, 13 MM (1/2”) I.P.S. INLET X 76 MM (3”) LONG RIGID HORIZONTAL NIPPLES, V.P. LOOSE KEYS, ESCUTCHEON AND FLEXIBLE COPPER RISERS.

PROVIDE FLOOR FLANGE, (SAME MATERIAL AS THE CONNECTING PIPE DRAIN), WITH ALL BRASS BOLTS AND WITH RUBBER GASKET.

LAV-1 WALL HUNG BASIN – SINGLE HAND FAUCET – BARRIER FREE

AMERICAN STANDARD MURRO WITH EVERCLEAN #0954.004EC.020/0062.000EC.020 BASIN, 3 HOLES, 4” (102 MM) CENTER, 540 MM X 550 MM X 165 MM (21-1/4” X 21-1/2” X 6-1/2”) HIGH, VITREOUS CHINA, WHITE FINISH, FOR CARRIER WITH CONCEALED ARMS, REAR OVERFLOW, RECESSED SELF-DRAINING FAUCET LEDGE, SEMI-PEDESTAL P-TRAP COVER.

MOEN COMMERCIAL #8984 M-PRESS FAUCET WITH 4” DECK PLATE, CHROME PLATED BRASS CONSTRUCTION, VANDAL RESISTANT, ADA LEVER STYLE HANDLE, CYCLE TIME ADJUSTMENT FROM 5 TO 60 SECONDS, 0.5 GPM (1.9L/MIN) VANDAL-RESISTANT MULTI-STREAM LAMINAR FLOW LIMITS WATER DISCHARGE TO A MAXIMUM OF 0.25 GPC (0.96L/CYCLE) @ 30 SECONDS OR 0.20 GPC (0.76L/CYCLE) @ 24 SECONDS.

MCQUIRE #LFH168LKX3 FAUCET SUPPLIES, CHROME PLATED FINISH POLISHED BRASS, HEAVY DUTY ANGLE STOPS, 10 MM (3/8”) I.P.S. INLET X 76 MM (3”) LONG RIGID HORIZONTAL NIPPLES, V.P. LOOSE KEYS, ESCUTCHEON AND FLEXIBLE COPPER RISERS.

MCQUIRE #8872C P-TRAP, HEAVY CAST BRASS ADJUSTABLE BODY, WITH SLP NUT, 32 MM (1-1/4”) SIZE, SHALLOW WALL FLANGE AND SEAMLESS TUBULAR WALL BEND.

MCQUIRE PROWRAP #PW2000 SANITARY COVERING, VANDAL-RESISTANT, FLEXIBLE SEAMLESS MOULDED CLOSED-CELL PVC RESIN, FORMULATED WITH ANTI-MICROBIAL ADDITIVE TO LIMIT THE GROWTH OF FUNGUS AND BACTERIA, TO EXPOSED PIPING (TO PROTECT AGAINST HEAT/CONTUSIONS) AS PER LOCAL CODES.

WATTS #WCA-411 BASIN CARRIER, CONCEALED ARMS, WALL FLANGES TO ATTACH TO BACKING PLATE. SECURED IN WALL WITH LOCKING DEVICE AND LEVELLING SCREWS. HEAVY GAUGE STEEL UPRIGHTS WITH INTEGRAL WELDED FEET. FOR ONE UNIT: 102 MM (4”) FINISHED METAL STUD WALL TO BACK OF PIPE SPACE.

S-1 WALL-HUNG TWO-STATION TROUGH SINK

DSW260 WALL-MOUNTED TROUGH 60” LENGTH. DECK IS PRE-DRILLED AT EACH STATION WITH (3) Ø 1-5/16” HOLE PUNCHING FOR A 4” CENTERSET FAUCET. A PRE-DRILLED BACKSPASH RETURN IS PROVIDED FOR MOUNTING UNIT TO A REINFORCED WALL. BASIN IS FORMED TO FACILITATE DRAINAGE AND IS PUNCHING TO ACCEPT A 1-1/2” DRAIN ASSEMBLY. UNIT IS FABRICATED FROM 16 GAUGE, TYPE 304 STAINLESS STEEL WITH EXPOSED SURFACES POLISHED TO A #4 SATIN FINISH. TO BE PROVIDED WITH 54” WIDTH TRAP COVER.

MOEN COMMERCIAL #8984 M-PRESS FAUCET WITH 4” DECK PLATE, CHROME PLATED BRASS CONSTRUCTION, VANDAL RESISTANT, ADA LEVER STYLE HANDLE, CYCLE TIME ADJUSTMENT FROM 5 TO 60 SECONDS, 0.5 GPM (1.9L/MIN) VANDAL-RESISTANT MULTI-STREAM LAMINAR FLOW LIMITS WATER DISCHARGE TO A MAXIMUM OF 0.25 GPC (0.96L/CYCLE) @ 30 SECONDS OR 0.20 GPC (0.76L/CYCLE) @ 24 SECONDS.

MCQUIRE #LFH168LKX3 FAUCET SUPPLIES, CHROME PLATED FINISH POLISHED BRASS, HEAVY DUTY ANGLE STOPS, 10 MM (3/8”) I.P.S. INLET X 76 MM (3”) LONG RIGID HORIZONTAL NIPPLES, V.P. LOOSE KEYS, ESCUTCHEON AND FLEXIBLE COPPER RISERS.

MCQUIRE #8872C P-TRAP, HEAVY CAST BRASS ADJUSTABLE BODY, WITH SLP NUT, 32 MM (1-1/4”) SIZE, SHALLOW WALL FLANGE AND SEAMLESS TUBULAR WALL BEND.

DE-1 – BOTTLE FILLING STATION

MURDOCK MODEL NO. BF16, NON-REFRIGERATED, NON-FILTERED, LEAD-FREE, WALL MOUNTED, SENSOR OPERATED BOTTLE FILLING STATION WITH STAINLESS STEEL FINISH, BARRIER FREE ADA COMPLIANT, 1.0 GPM DELIVERY, PUSH BUTTON ACTIVATION.

FD – FLOOR DRAIN – FINISHED AREA – ADJUSTABLE STRAINER

WATTS #FD-100-C-7-A5-1 FLOOR DRAIN – EPOXY COATED, CAST IRON BODY, REVERSIBLE FLASHING CLAMP WITH PRIMARY AND SECONDARY WEIPEHOLES, TRAP PRIMER CONNECTION WITH PLUG, NO HUB OUTLET. WATTS-A5-1 5” (127MM) DIAMETER, NICKEL BRONZE, ADJUSTABLE, ROUND STRAINER.

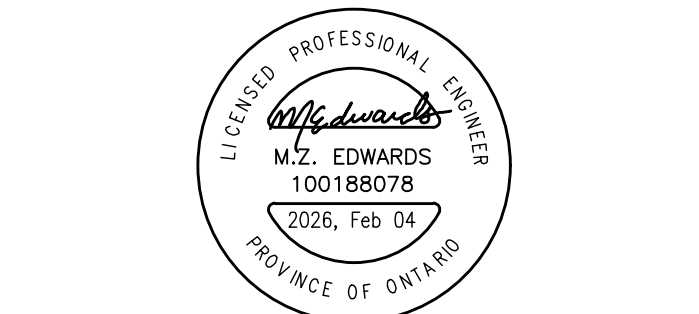
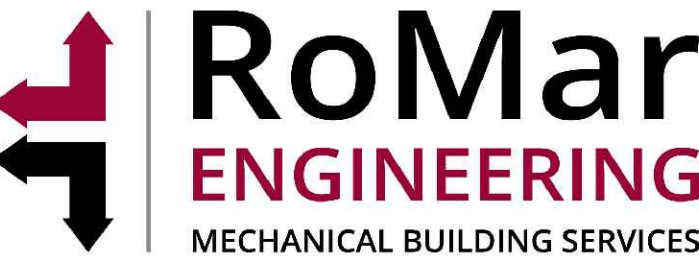
ALTERNATES: ZURN, J.R. SMITH

ACCESS DOORS/COVERS – FLUSH ACCESS DOOR – UNIVERSAL

ACODOR #JUF-5000 UNIVERSAL ACCESS DOORS, 14 GA. (1.7MM) STEEL, BAKED ENAMEL PRIME COAT, CONTINUOUS CONCEALED HINGE, WITH POSITIVE AND SELF-OPENING SCREWDRIWER OPERATED LOCK. DOORS IN WASHROOM SHALL BE STAINLESS STEEL. ALL OTHER PANELS SHALL BE BAKED ENAMEL PRIME COATED FOR FIELD PAINTING. MINIMUM SIZE OF PANELS SHALL BE 12” X 18” (300MM X 450MM). WHEREVER POSSIBLE 24” X 24” (600MM X 600MM) PANELS SHALL BE USED.

TSP – TRAP SEAL PRIMERS

SILOUX CHIEF #695-ES01, SURFACE MOUNT ELECTRONIC TRAP PRIMER, SINGLE OUTLET, SOLENOID VALVE, VACUUM BREAKER, CONFIGURABLE ELECTRONIC PRIMER CONTROLLER, WATER HAMMER ARRESTOR, 120VAC POWER, 1/2” (13MM) INLET AND OUTLET. PROVIDE MANIFOLD AS REQUIRED TO SUIT NUMBER OF TRAPS.

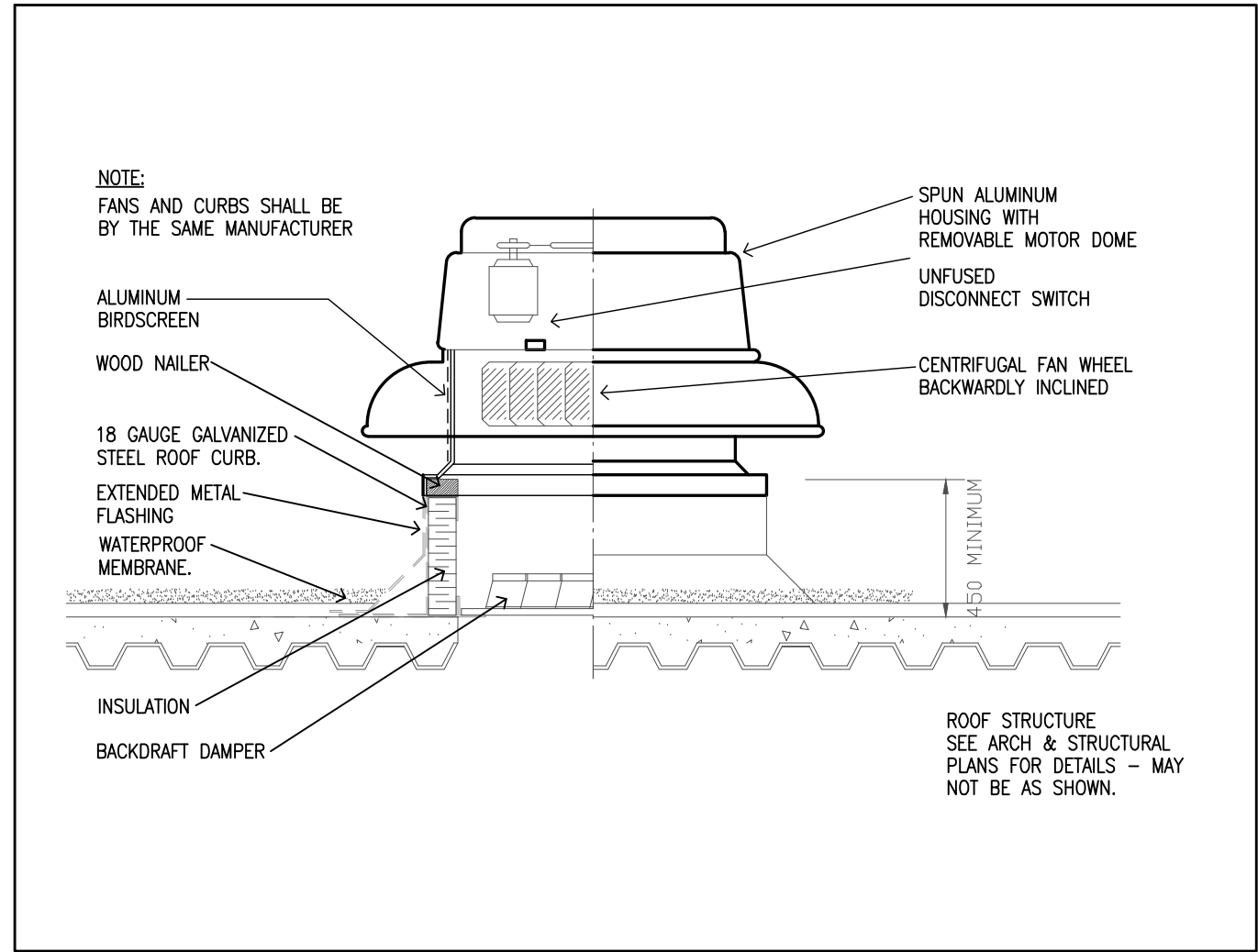


2	FEB 05, 2026	ISSUED FOR PERMIT/TENDER
1	JAN 28, 2026	ISSUED FOR REVIEW

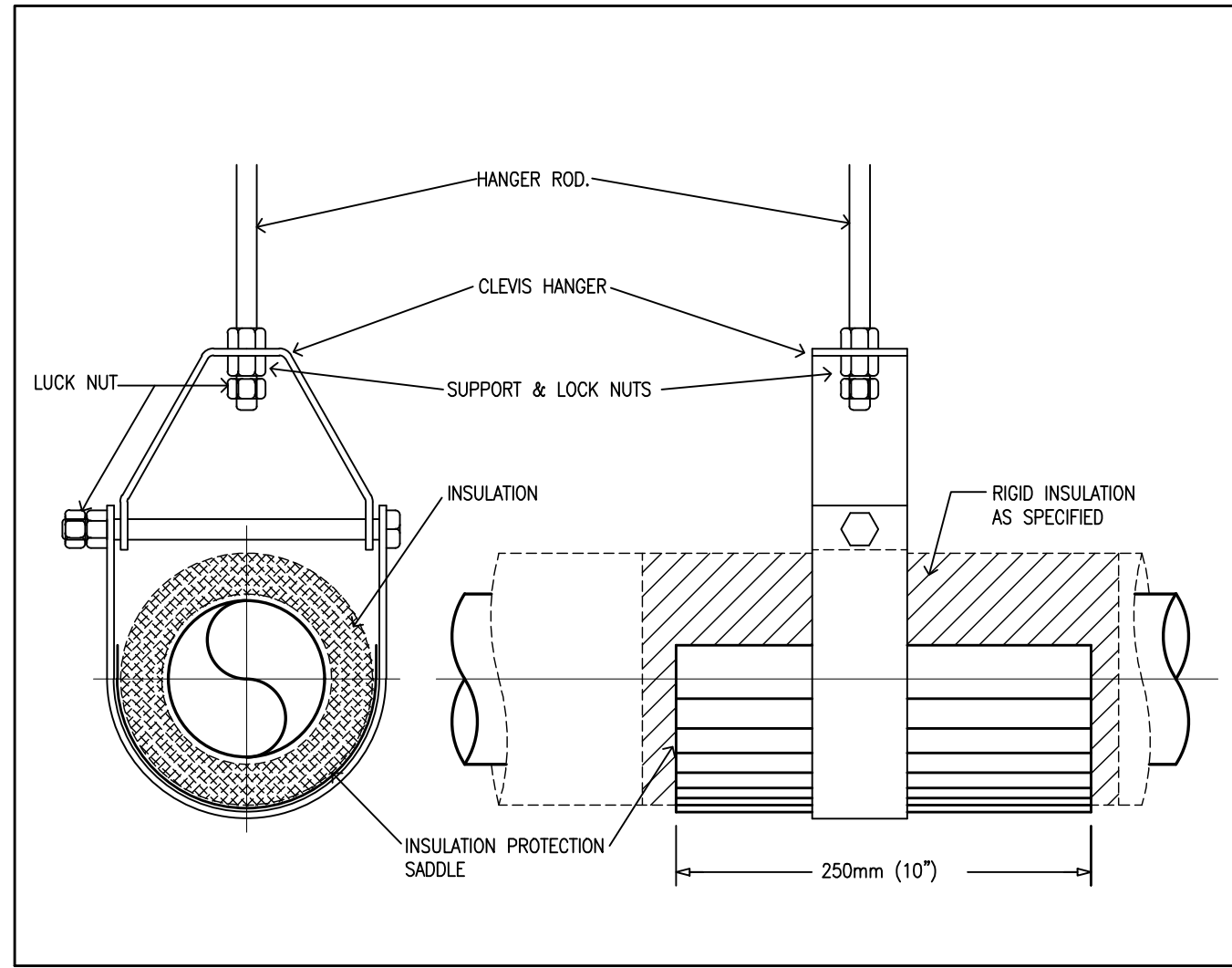
Revisions, Issues

Project: WASHROOM RENOVATIONS		
BELLWOOD PS		
30 BELLWOOD DR. WHITBY, ON L1N 8M4		
Title: SCHEDULES & PLUMBING CUT-SHEETS		
Scale: NTS	Date:	Drawing: M-101
Project: 25-17	Drawn By: GPC	

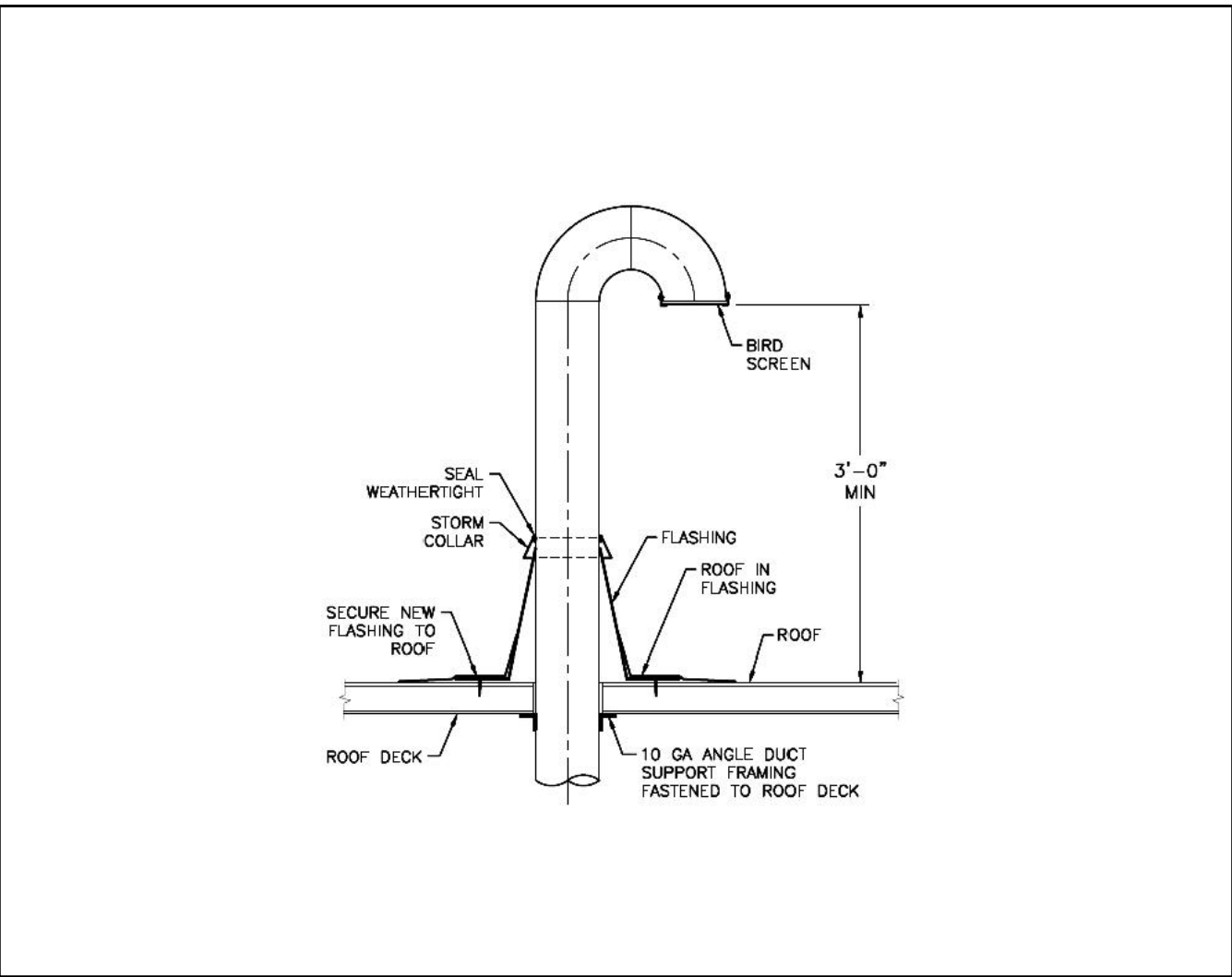
DATE PLOTTED: JAN 05 2026



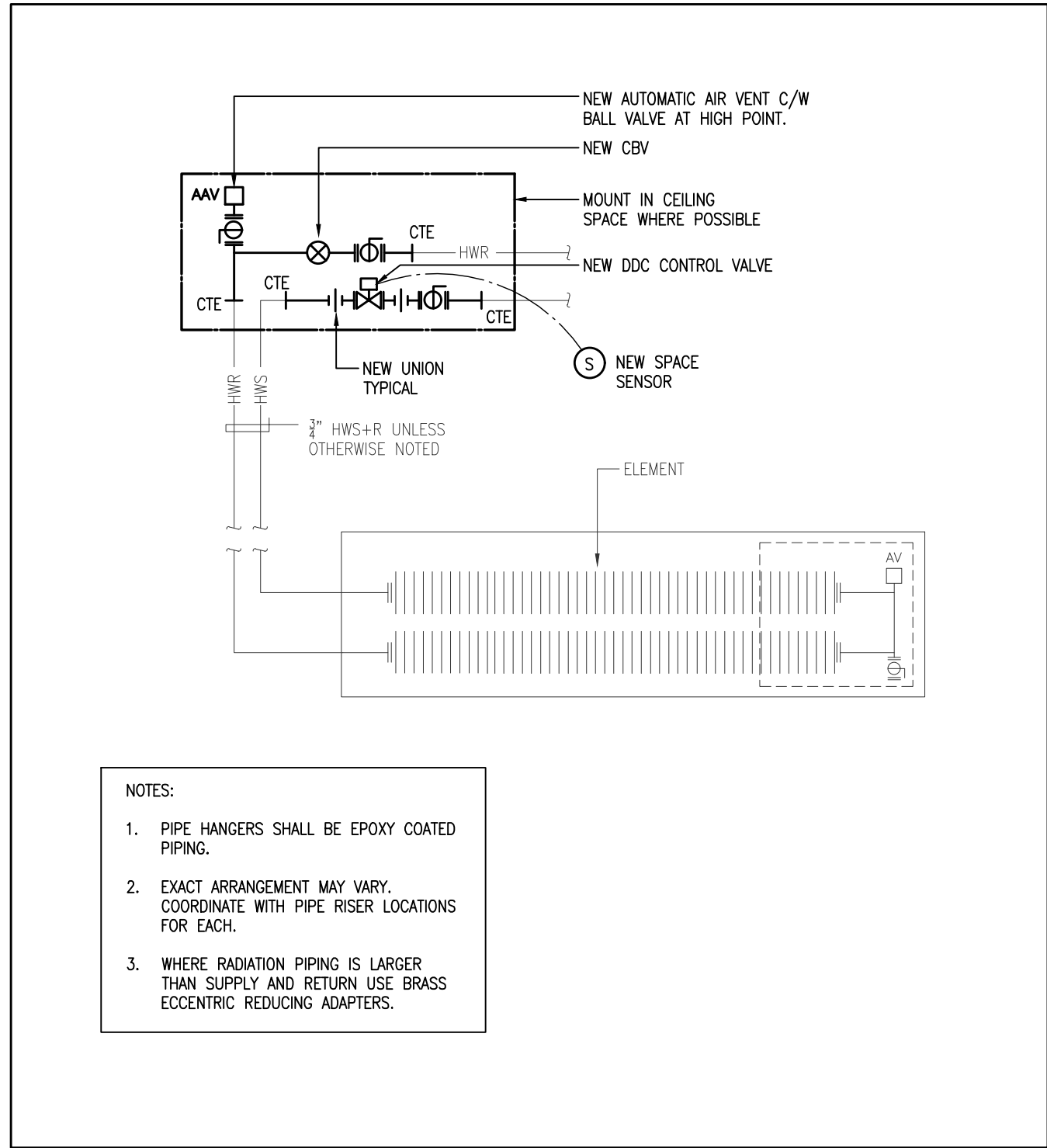
1 ROOF MOUNTED EXHAUST FAN  
M-102 NTS



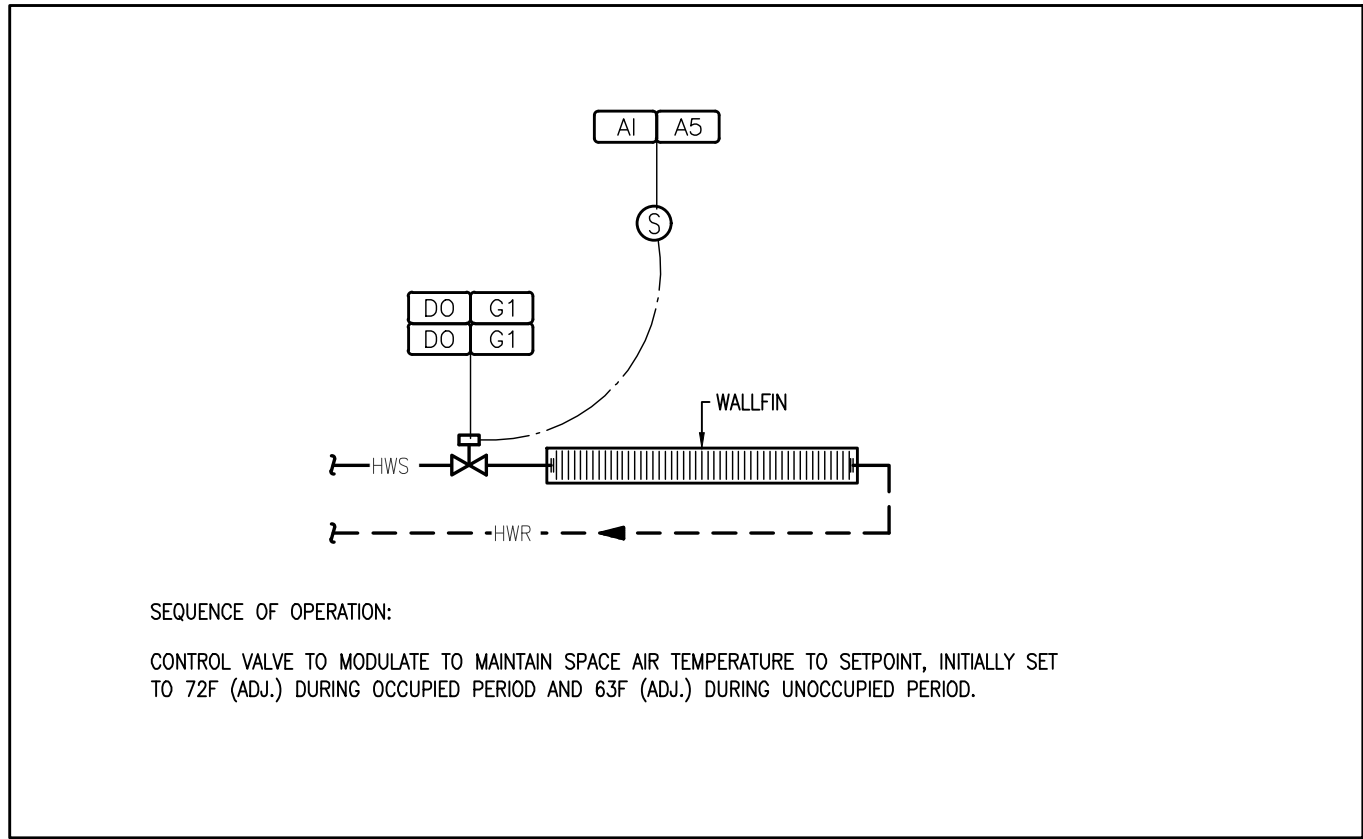
2 PIPE HANGER  
M-102 NTS



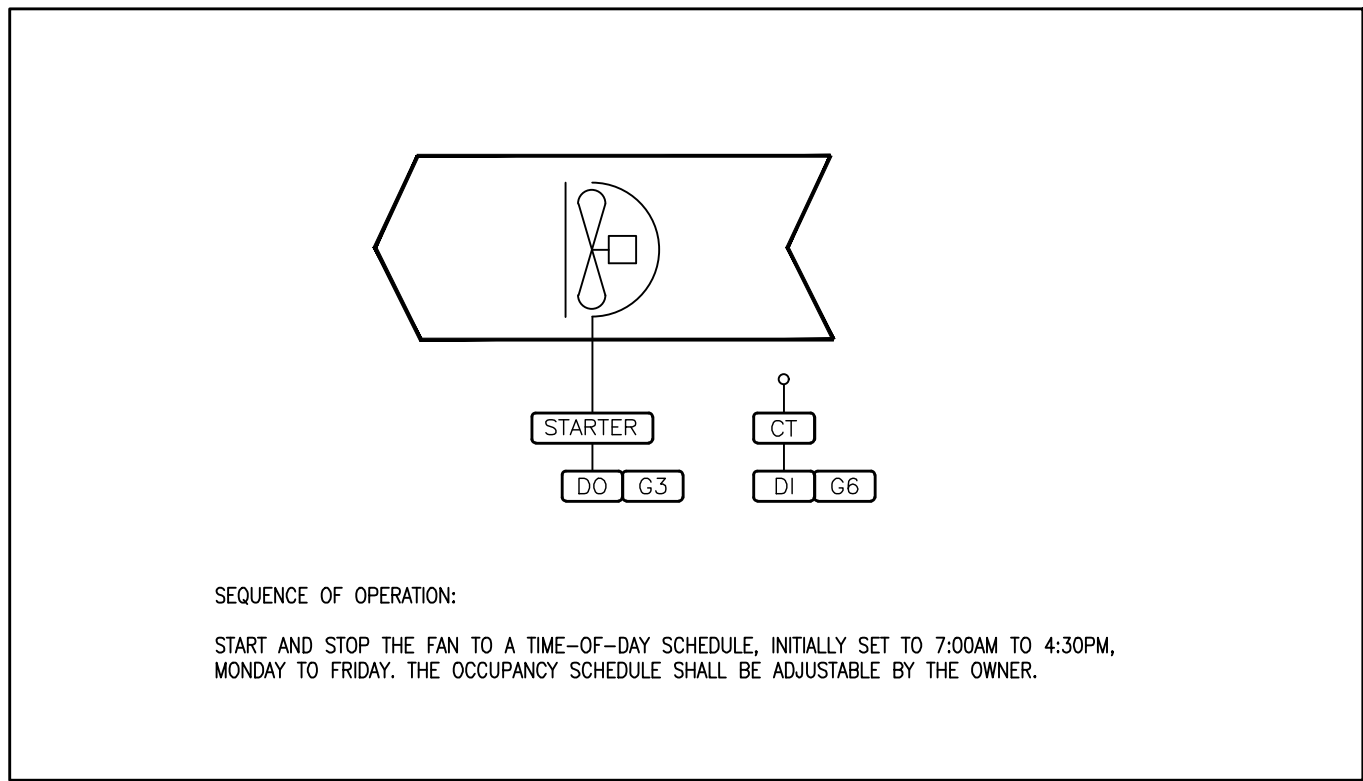
3 GOOSENECK THROUGH ROOF  
M-102 NTS



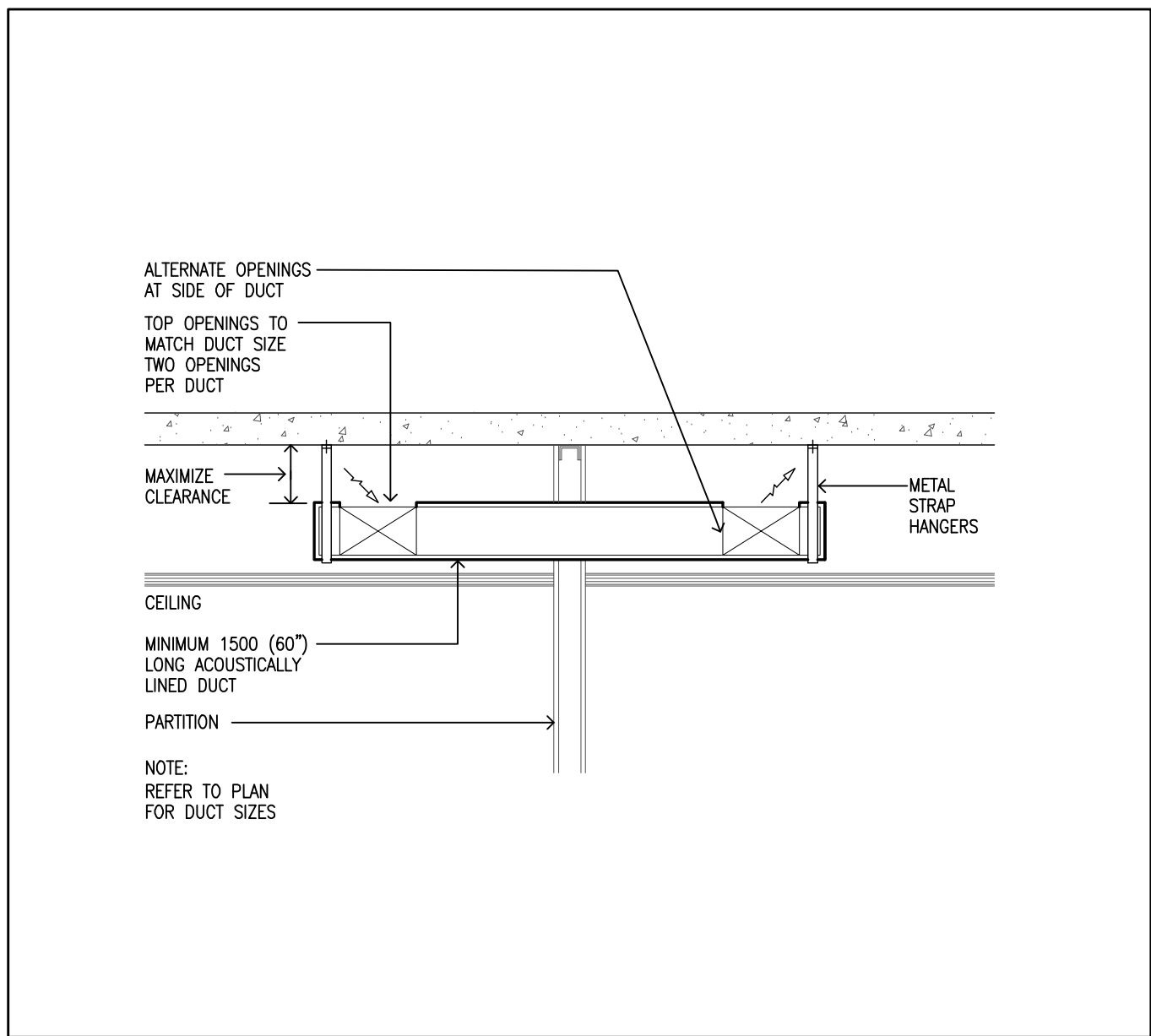
4 HOTWATER WALLFIN  
M-102 NTS



5 WALLFIN CONTROL SCHEMATIC  
M-102 NTS



6 EXHAUST FAN CONTROL SCHEMATIC  
M-102 NTS



7 TRANSFER AIR DUCT  
M-102 NTS

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1	JAN 28, 2026	ISSUED FOR REVIEW

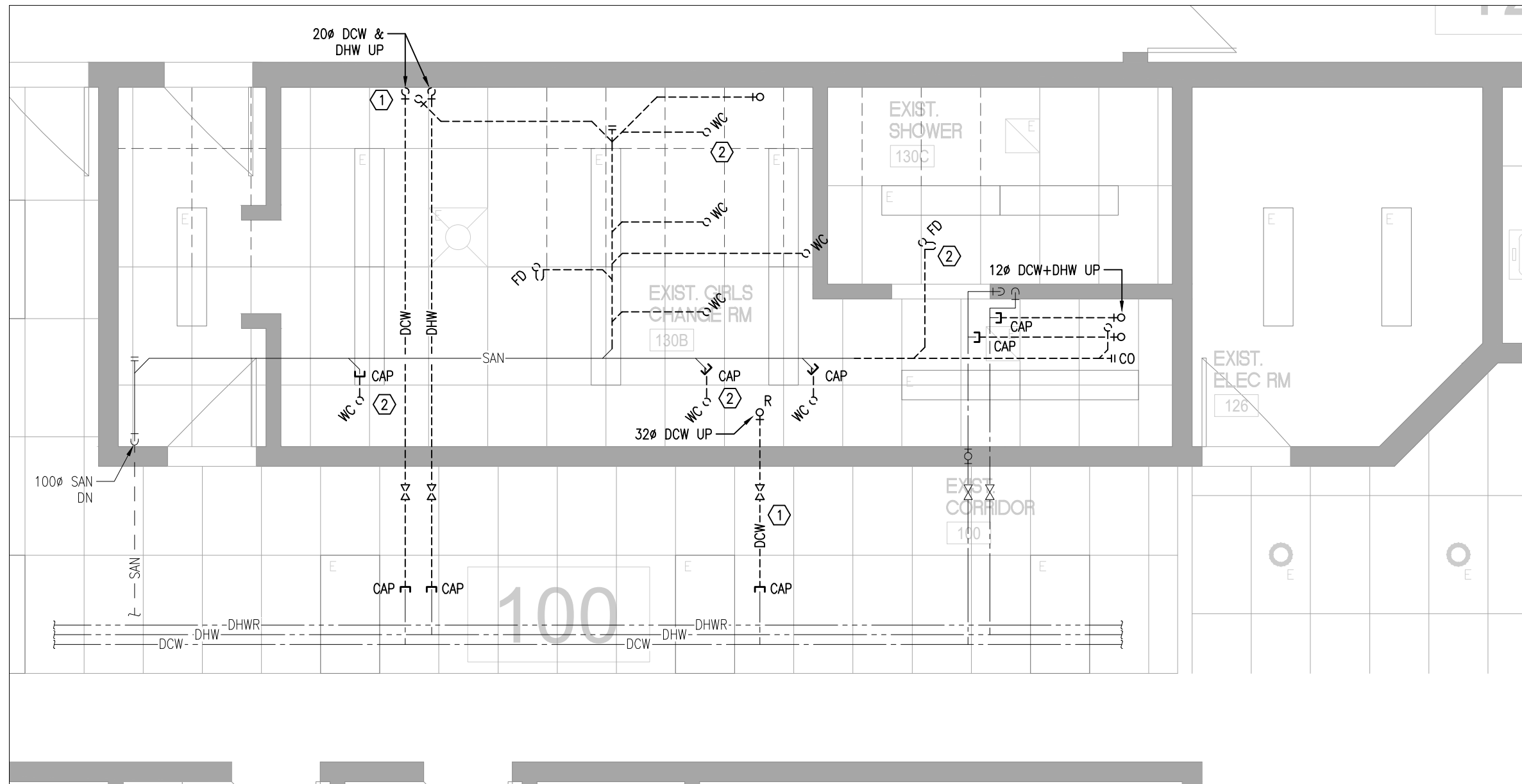
Revisions, Issues

Project:  
WASHROOM RENOVATIONS  
**BELLWOOD PS**  
30 BELLWOOD DR.  
WHITBY, ON L1N 8M4

Title:  
DETAILS

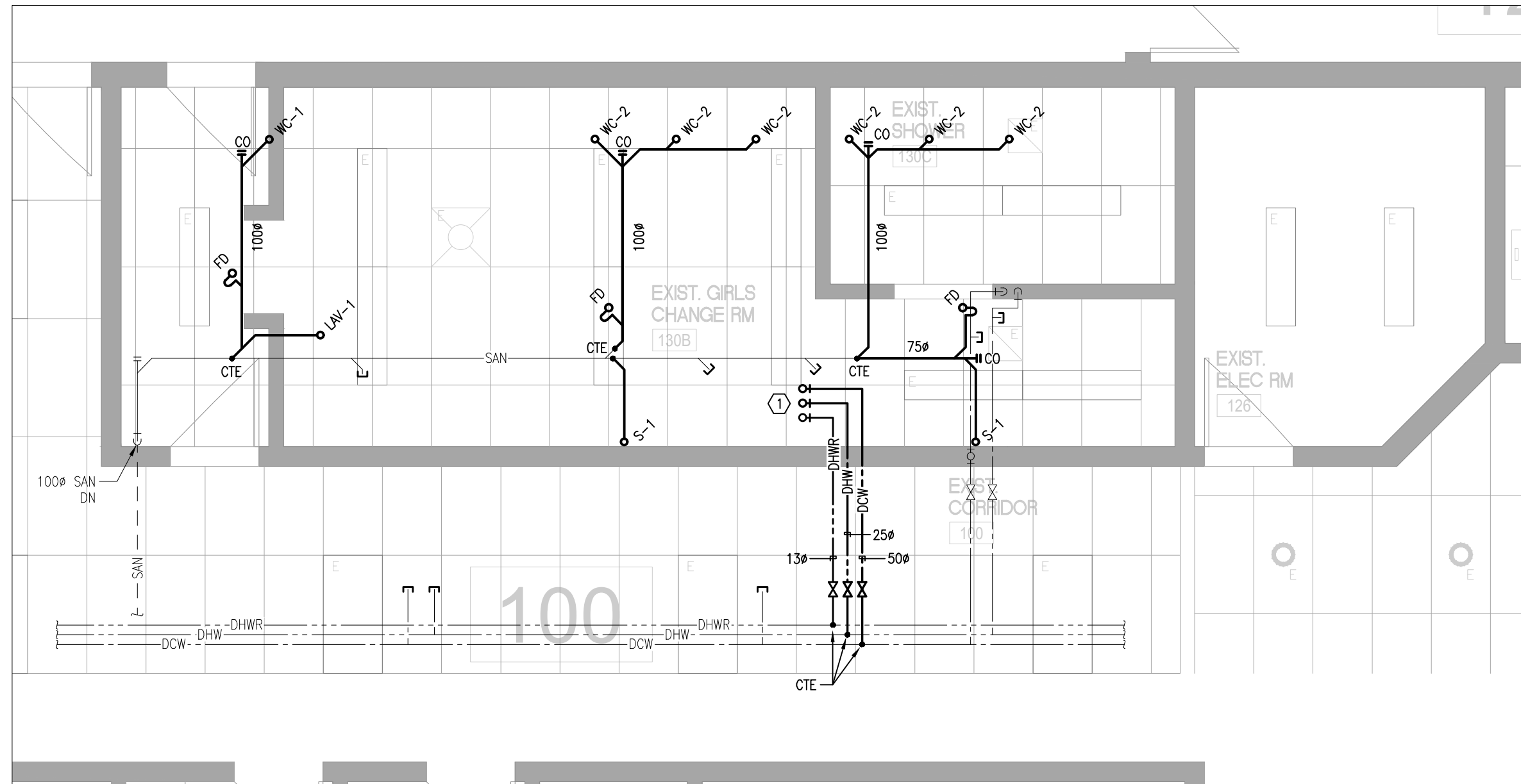
Scale: NTS	Date:	Drawing: M-102
Project: 25-17	Drawn By: GPC	

DATE PLOTTED: JAN 05 2026



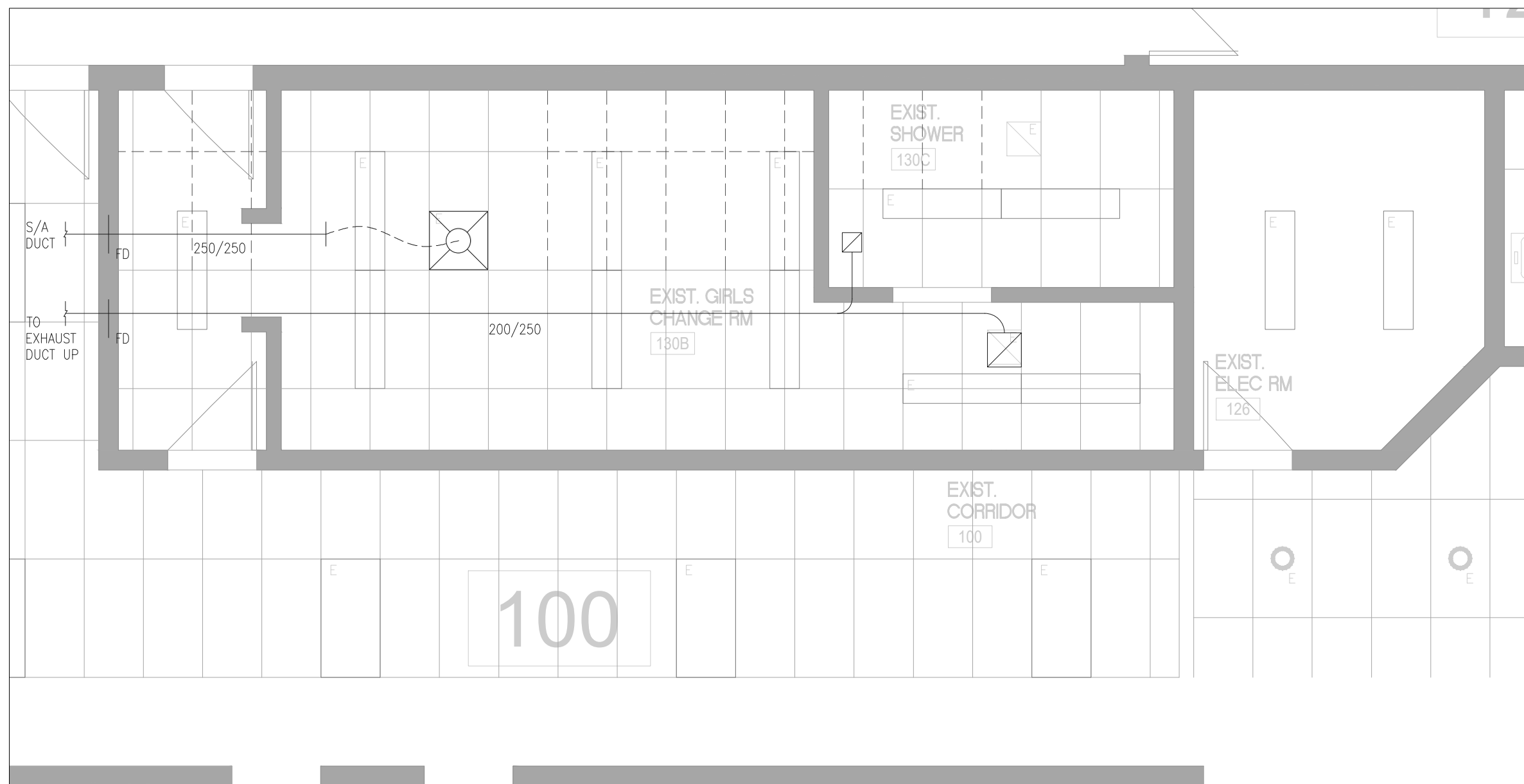
**1 1ST FLOOR GIRLS CHANGEROOM FP/PD – DEMO**  
M-200 SCALE 1:50

- KEYED NOTES:**
- REMOVE DOW'S & DHW AS SHOWN. CAP AT MAIN IN HALLWAY.
  - REMOVE REDUNDANT SANITARY PIPING IN CEILING SPACE. CAP AS SHOWN. MAIN TO REMAIN TO ACCOMMODATE NEW LAYOUT.



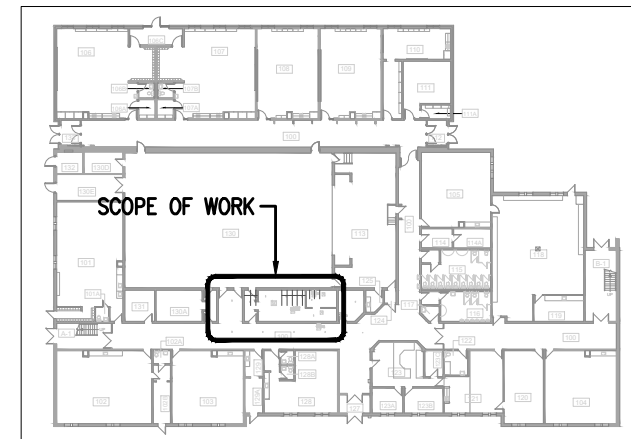
**3 1ST FLOOR GIRLS CHANGEROOM FP/PD – NEW**  
M-200 SCALE 1:50

- KEYED NOTES:**
- 50# DOW, 25# DHW AND 13# DHWR UP TO SECOND FLOOR. PROVIDE NEW TIE-INS WITH ISOLATION VALVE IN 1ST FLOOR HALLWAY AS SHOWN. FIRESTOP PIPING AT FLOOR AND WALL PENETRATIONS.



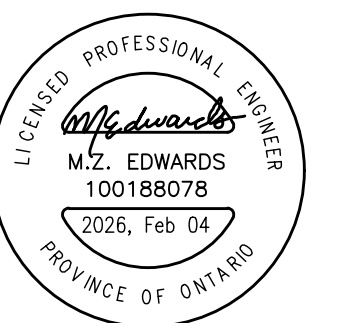
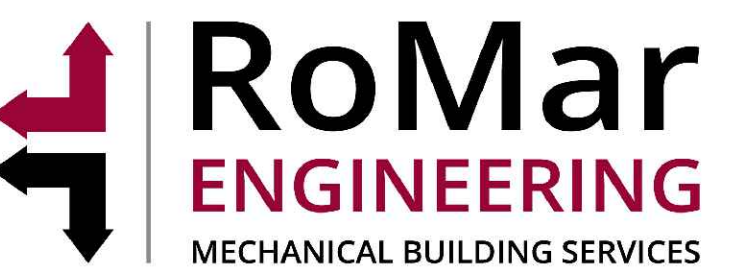
**2 1ST FLOOR GIRLS CHANGEROOM HVAC – DEMO**  
M-200 SCALE 1:50

- GENERAL NOTES:**
- EXISTING EXHAUST AND SUPPLY DUCTWORK AND GRILLES TO REMAIN AS IS. CONTRACTOR TO RE-AND RE AS REQUIRED TO ACCOMMODATE NEW PLUMBING LAYOUT AND ASSOCIATED PIPING.



KEYPLAN – 1ST FLOOR

**SUSAN FRIEDRICH ARCHITECT INC.**  
443 St. Clair Avenue West, Toronto, Ontario M6C 1A7  
Telephone (416) 588-3740

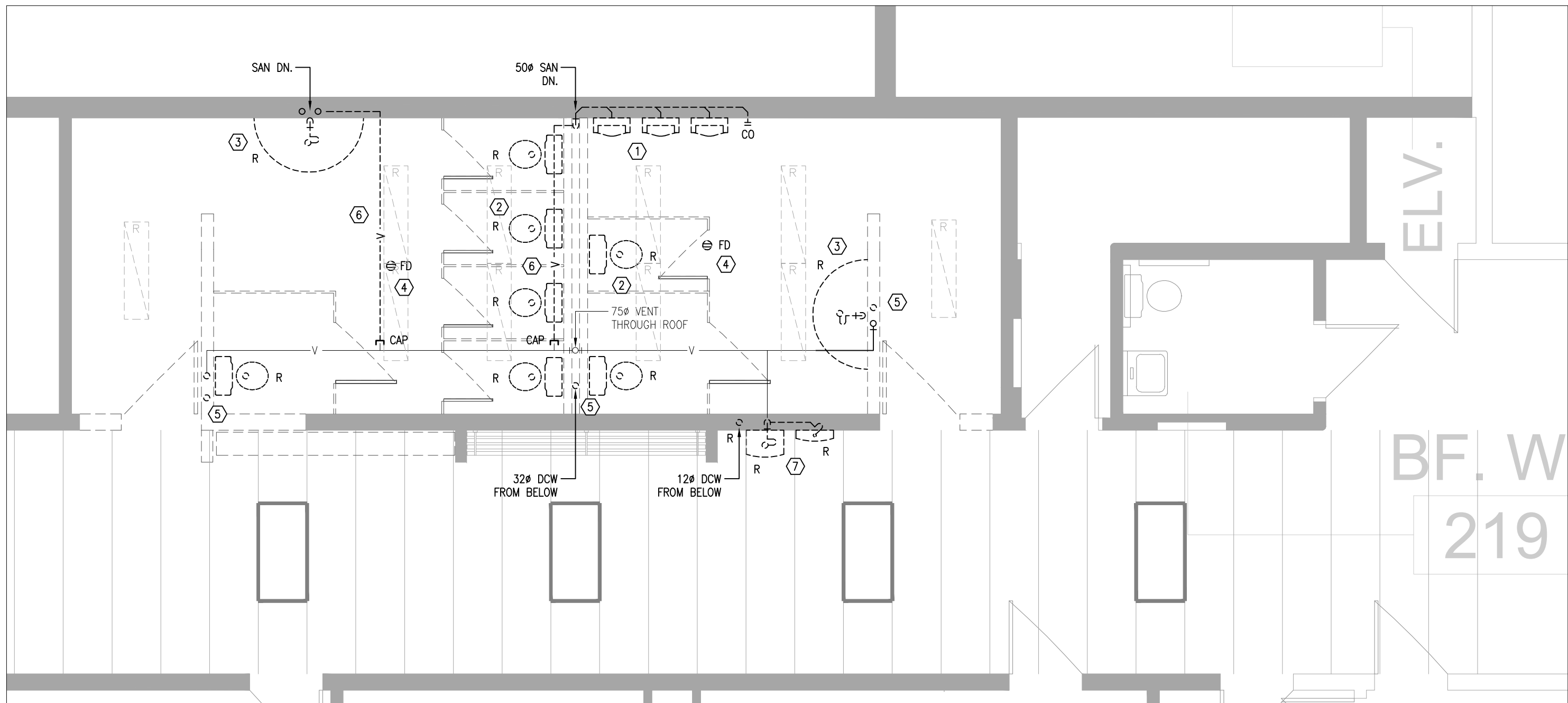


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Revisions, Issues

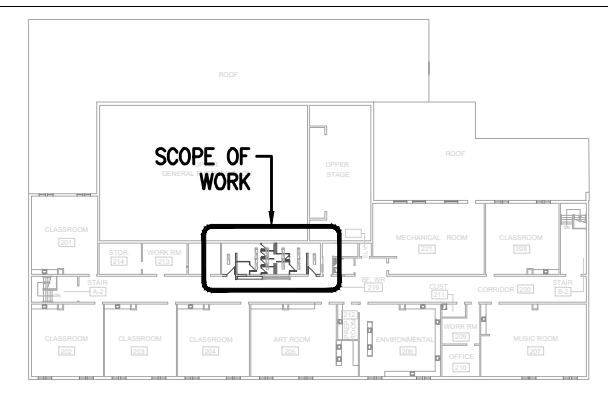
Project: WASHROOM RENOVATIONS <b>BELLWOOD PS</b> 30 BELLWOOD DR. WHITBY, ON L1N 8M4		
Title: 1ST FLOOR CHANGEROOM – MECHANICAL (DEMO/NEW)		
Scale: As Noted	Date:	Drawing: <b>M-200</b>
Project: 25-17	Drawn By: GPC	

DATE PLOTTED: JAN 05 2026

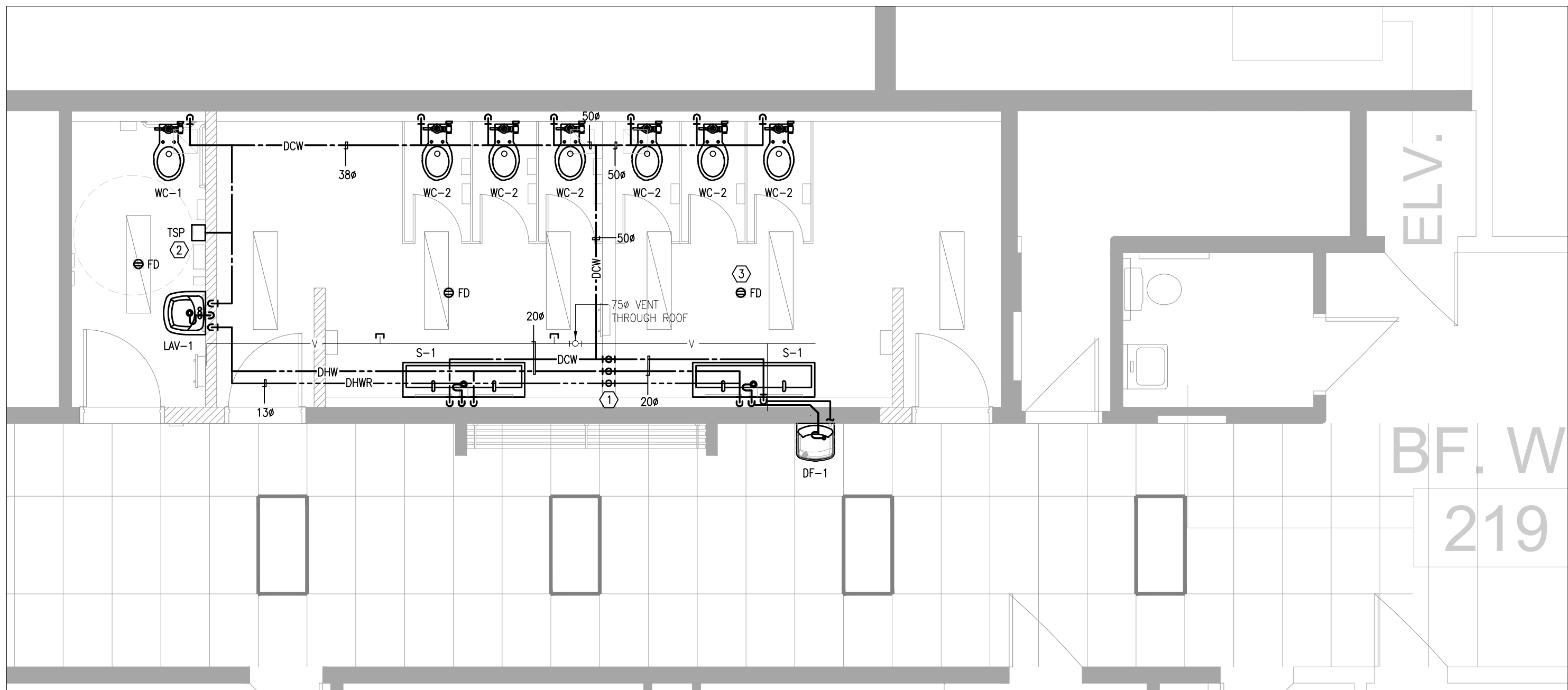


1 2ND FLOOR WASHROOM FP/PD - DEMO  
M-201 SCALE 1:50

- KEYED NOTES:
- 1 REMOVE EXISTING URINALS AND ASSOCIATED DCW AND SANITARY LINES AS WELL AS URINAL FLUSH TANK AND ASSOCIATED VALVES AND ACCESSORIES.
  - 2 REMOVE EXISTING WATER CLOSETS AND ASSOCIATED DCW AND SAN PIPING (TYPICAL).
  - 3 REMOVE EXISTING WASH FOUNTAIN AND ASSOCIATED VALVES AND ACCESSORIES. REMOVE ASSOCIATED DCW AND DHW LINES AS SHOWN.
  - 4 REMOVE EXISTING FLOOR DRAIN AND ASSOCIATED SAN PIPING AS SHOWN.
  - 5 REMOVE EXISTING DCW AND DHW LINES AS SHOWN FROM BELOW.
  - 6 REMOVE EXISTING VENTING WITHIN 2ND FLOOR CEILING SPACE AS SHOWN.
  - 7 REMOVE EXISTING DRINKING FOUNTAIN AND BOTTLE FILLER COMPLETE WITH ASSOCIATED DCW AND SAN PIPING AS SHOWN.



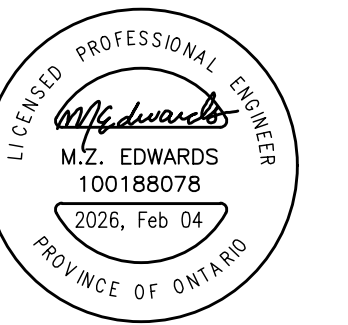
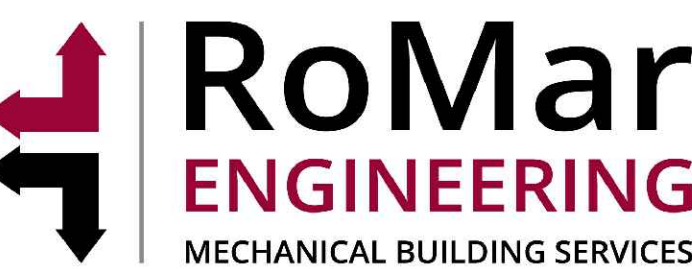
KEY PLAN - 2ND FLOOR



2 2ND FLOOR WASHROOM FP/PD - NEW  
M-201 SCALE 1:50

- KEYED NOTES:
- 1 50% DCW, 25% DHW AND 13% DHWR UP FROM GROUND FLOOR IN PARTITION WALL.
  - 2 PROVIDE NE WTRAP SEAL PRIMER WITHIN BF WASHROOM CEILING SPACE. COORDINATE POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
  - 3 PROVIDE NEW FLOOR DRAIN (TYP.) AND CONNECT TO EXISTING SANITARY IN CEILING BELOW.

SUSAN FRIEDRICH ARCHITECT INC. ■  
443 St. Clair Avenue West, Toronto, Ontario M6C 1A7  
Telephone (416) 588-3740

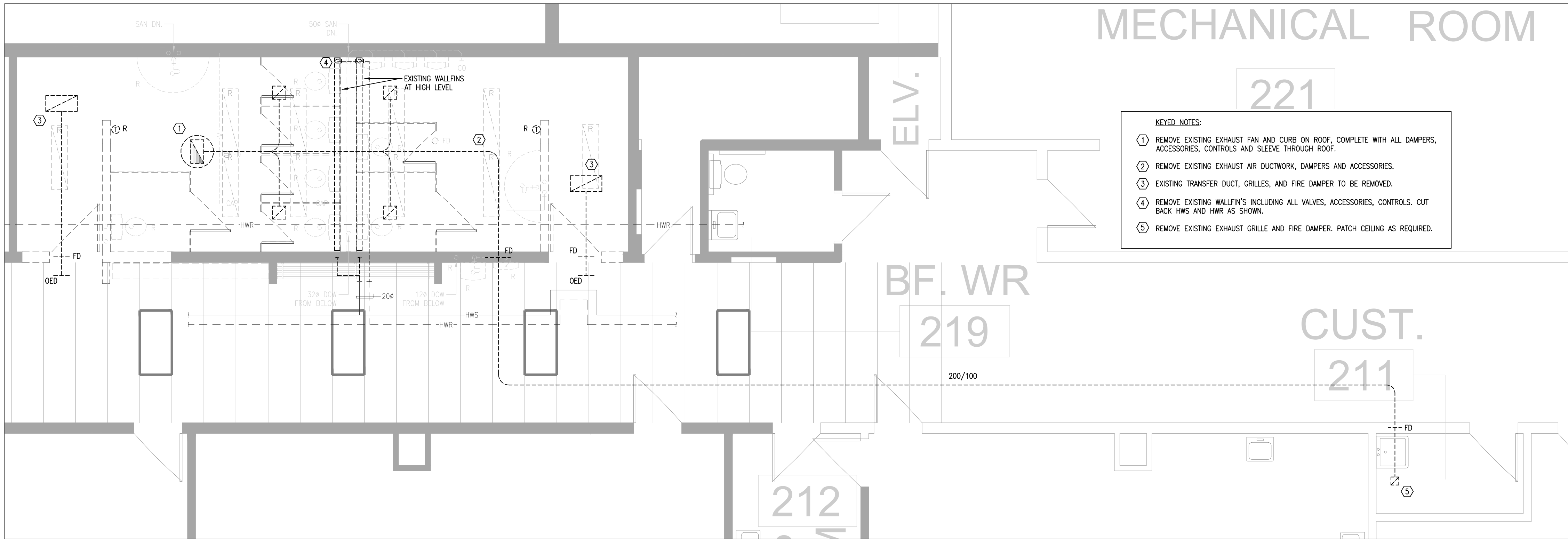


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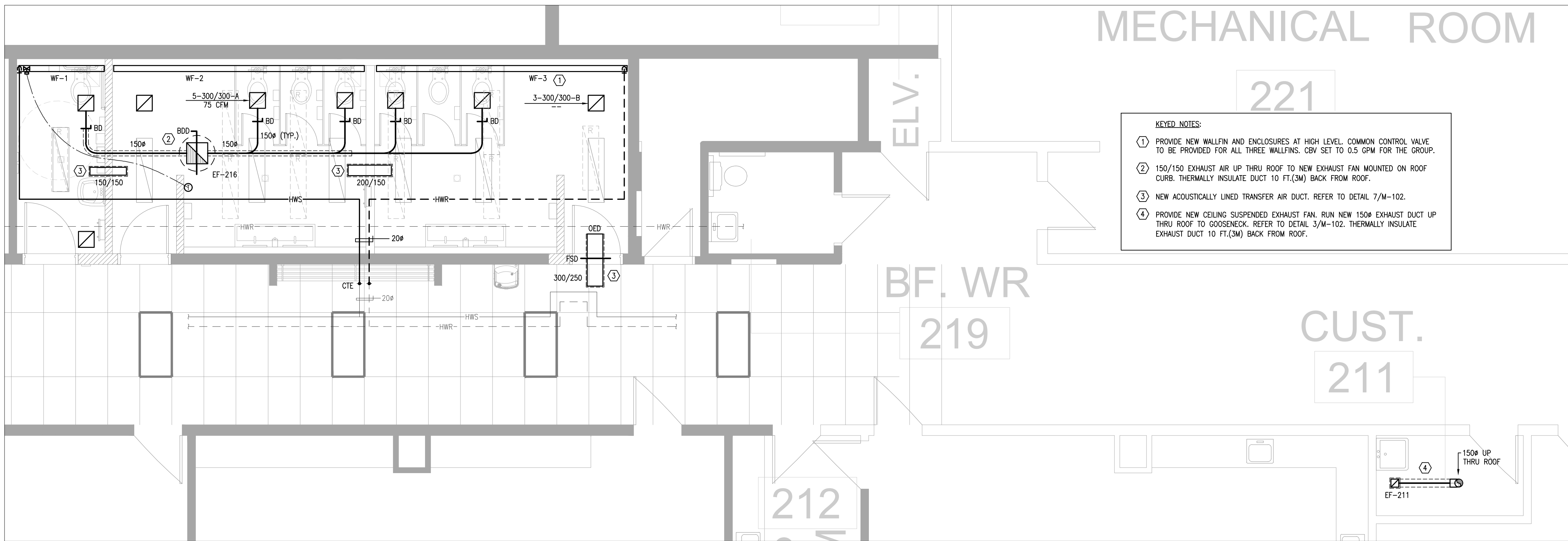
Revisions, Issues

Project: WASHROOM RENOVATIONS <b>BELLWOOD PS</b> 30 BELLWOOD DR. WHITBY, ON L1N 8M4		
Title: 2ND FLOOR WASHROOM - PD (DEMO/NEW)		
Scale: As Noted	Date:	Drawing: M-201
Project: 25-17	Drawn By: GPC	

DATE PLOTTED:

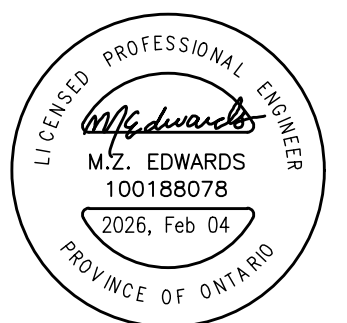
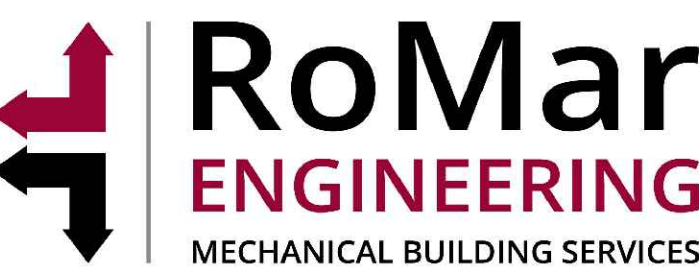


1 2ND FLOOR WASHROOM HVAC – DEMO  
M-202 SCALE 1:50



2 2ND FLOOR WASHROOM HVAC – NEW  
M-202 SCALE 1:50

SUSAN FRIEDRICH ARCHITECT inc. ■  
443 St. Clair Avenue West, Toronto, Ontario M6C 1A7  
Telephone (416) 588-3740



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Revisions, Issues

Project:  
WASHROOM RENOVATIONS  
**BELLWOOD PS**  
30 BELLWOOD DR.  
WHITBY, ON L1N 8M4

Title:  
2ND FLOOR WASHROOM  
– HVAC (DEMO/NEW)

Scale: As Noted	Date:	Drawing: M-202
Project: 25-17	Drawn By: GPC	

DATE PLOTTED: JAN 05 2026

SPECIFICATION NOTES:

DRAWINGS ARE PERFORMANCE IN INTENT AND DIAGRAMMATIC IN NATURE.

PROVIDE ALL PRODUCTS AND LABOUR TO PERFORM COMPLETELY THE WORK AS SHOWN OR REQUIRED TO MEET THE DESIGN INTENT, AT NO EXTRA COST.

PERFORM ALL WORK IN CONFORMANCE TO BUILDING CODE, ELECTRICAL SAFETY CODE, LOCAL ELECTRICAL INSPECTOR'S REQUIREMENTS AND ALL MUNICIPAL BY-LAWS.

DO NOT REDUCE STANDARDS SET BY THESE DRAWINGS BY APPLYING CODES.

EXAMINE SITE FOR CONDITIONS AFFECTING WORK. NO EXTRA COST SHALL BE ALLOWED FOR CONSIDERATIONS OVERLOOKED.

APPLY FOR ALL PERMITS, SERVICES AND INSPECTIONS AND PAY ALL RELATED FEES.

SUBMIT SHOP DRAWINGS TO CONSULTANT FOR ALL ELECTRICAL EQUIPMENT FOR REVIEW AND COMMENTS.

CARRY OUT WORK IN CONFORMANCE TO BASE BUILDING STANDARDS.

MAKE ANY ADJUSTMENTS, REROUTINGS OR RELOCATIONS TO EXISTING ELECTRICAL PRODUCTS AS REQUIRED. PROVIDE SUCH ADJUSTMENTS AT NOT EXTRA COST.

BECOME FULLY FAMILIAR WITH EXISTING BUILDING SYSTEMS & EQUIPMENT OPERATIONS. PROVIDE ALL REQUIRED PRODUCTS TO MAKE NEW WORK FULLY OPERATIONAL TO MEET DESIGN INTENT.

INCLUDE IN QUOTED PRICE FOR ALL ALTERATIONS TO EXISTING BUILDING SYSTEMS AND ANY INSTALLED PRODUCTS AFFECTED IN INTERFACING NEW WORK.

MAINTAIN ALL BUILDING SERVICE IN OPERATION. PROVIDE ALL TEMPORARY WIRING AND CONNECTIONS. SHUTDOWN SERVICES ONLY AS AUTHORIZED IN WRITING.

INCLUDE IN QUOTED PRICE FOR PREMIUM TIME WORK REQUIRED.

COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION. NOTIFY CONSULTANT OF ANY DISCREPANCIES.

TEST NEW AND EXISTING INTERFACED SYSTEMS TO ENSURE PROPER OPERATION. CORRECT ALL DEFICIENCIES.

REPAIR ANY SYSTEM DAMAGED DURING EXECUTION OF WORK.

PRODUCTS SHALL BE OF MANUFACTURE SPECIFIED, WHERE MANUFACTURE IS NOT SPECIFIED, PRODUCTS SHALL BE OF HIGH COMMERCIAL QUALITY AND SHALL BE CSA APPROVED FOR THE APPLICATION.

VERIFY LOADING OF EXISTING CIRCUITS TO BE REUSED. DO NOT EXCEED CODE REQUIREMENTS. VERIFY ON SITE EXISTING CIRCUITS USED, SPARE AND SPACES AVAILABLE WHERE EXISTING PANELS ARE TO BE REUSED. PROVIDE ADDITIONAL BREAKERS AND CIRCUITS AS NECESSARY.

ADJUST PANEL SCHEDULES TO REFLECT ANY CHANGES PERFORMED TO THE CIRCUITS.

ALL NEW BREAKERS SHALL BE BOLT-ON TYPE, 'SWD' RATED TO MATCH EXISTING.

ALL NEW DISCONNECT SWITCHES SHALL BE HEAVY DUTY QUICK-MAKE, QUICK BREAK ENCLOSED SAFETY SWITCHES.

PACK AND SEAL ALL PENETRATIONS THROUGH FLOORS AND FIRE RATED WALLS WITH APPROVED MATERIAL TO RETAIN FIRE RATING.

PROVIDE ALL CUTTING AND PATCHING REQUIRED TO EFFECT WORK WITH THE PRIOR APPROVAL AND INSTRUCTION OF THE OWNER'S REPRESENTATIVE.

WIRE NEW POWER OUTLETS IN EMT CONDUIT.

DO ALL REQUIRED WORK RELATED TO LIFE SAFETY SYSTEMS AT NO EXTRA COST. RETAIN THE SYSTEM MANUFACTURER'S FORCES TO PERFORM FINAL CONNECTIONS, MODIFICATIONS AND PROVISION OF NEW INTERFACING DEVICES IN THE SYSTEM PANELS.

ENSURE FULL COMPATIBILITY OF ALL NEW DEVICES WITH EXISTING LIFE SAFETY SYSTEMS.

HAVE SYSTEM MANUFACTURER TEST AND CERTIFY LIFE SAFETY SYSTEMS FOR PROPER OPERATION AT COMPLETION OF WORK. PROVIDE COMPLETE SYSTEM VERIFICATION TO SUIT LOCAL AUTHORITIES.

DO NOT SCALE DRAWINGS. FOR EXACT LOCATIONS REFER TO ARCHITECTURAL DRAWINGS AND VERIFY ON SITE ALL DIMENSIONS PRIOR TO INSTALLING PRODUCTS.

ADJUST LOCATION OF PRODUCTS UP TO 3m (10 FT) IN ANY DIRECTION AS DIRECTED AT NO EXTRA COST, PROVIDED THE CHANGES ARE REQUESTED PRIOR TO INSTALLATION.

INCLUDE FOR ANY ADDITIONAL COSTS INCURRED BY OTHER TRADES RESULT-ING FROM SUBSTITUTING ANY ALTERNATIVE EQUIPMENT.

PROVIDE RECORD DRAWINGS OF THE AS-CONSTRUCTED WORK. OBTAIN AND PAY FOR ONE (1) SET OF MYLAR SEPIAS. SUBMIT SEPIAS AND ONE (1) SET OF PRINTS FOR APPROVAL.

PROVIDE A FULLY ITEMIZED BREAKDOWN OF LABOUR AND MATERIAL FOR EXTRA OR DELETED WORK.

ARRANGE FOR INSPECTION OF WORK BY INSPECTION AUTHORITY. PROVIDE A FINAL UNCONDITIONAL CERTIFICATE OF APPROVAL.

PROVIDE A WRITTEN GUARANTEE FOR ONE (1) YEAR COVERING MATERIAL AND WORKMANSHIP. RECTIFY ANY DEFECTS PROMPTLY.

REFER TO DIVISION 15 DOCUMENTS AND PROVIDE ALL POWER WIRING AND DISCONNECT SWITCHES REQUIRED.

ENSURE RECEPTACLES ARE INSTALLED WHICH MATCH EQUIPMENT PLUG CON-FIGURATION. MAKE CHANGES TO SUIT AT NO EXTRA COST. TEST EACH RECEPTACLE FOR PROPER POLARITY AND GROUND.

SUPPORT ALL NEW CONDUIT INSTALLATION FROM STRUCTURE. SECURE ALL PRODUCTS IN APPROVED MANNER.

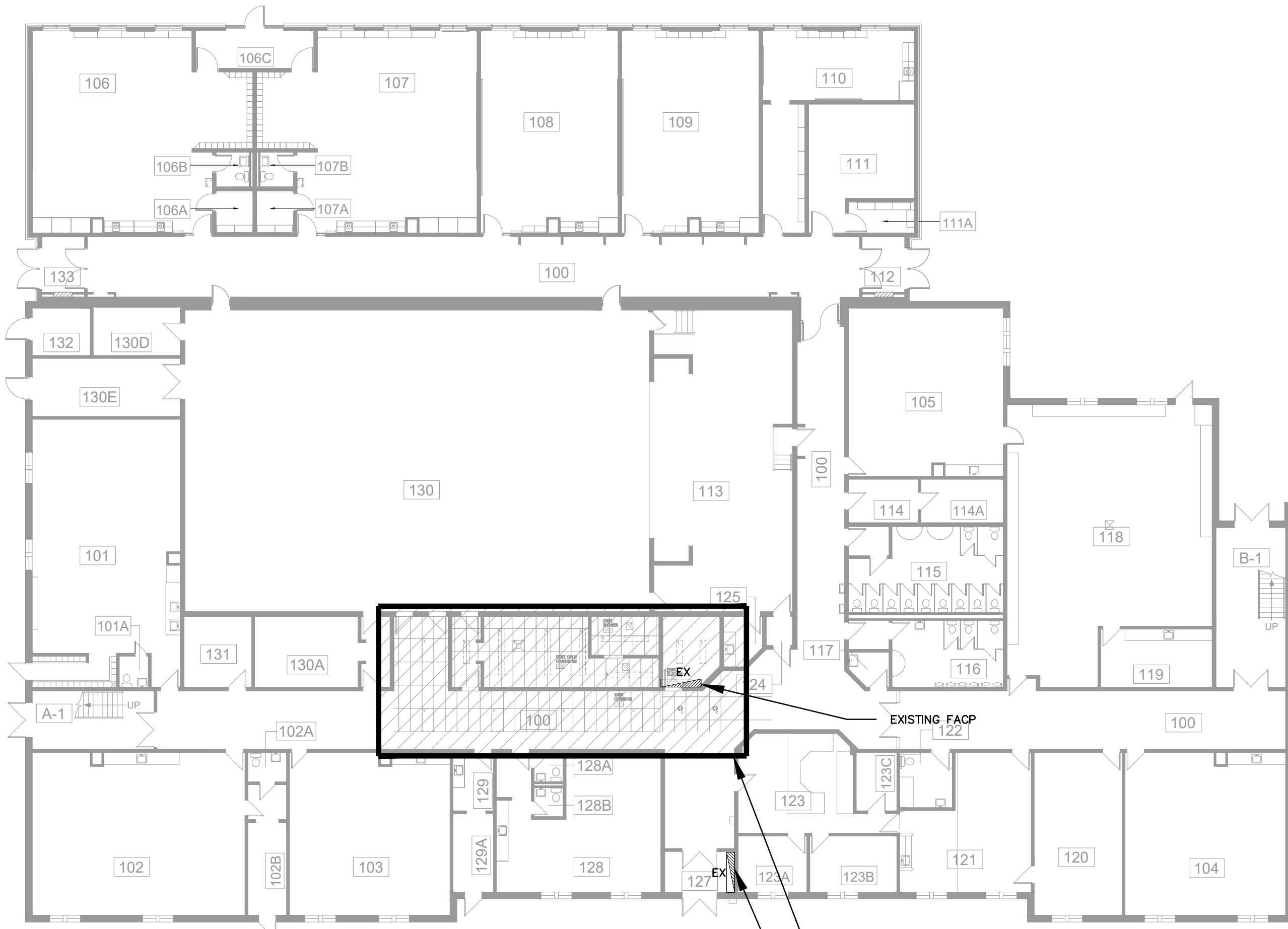
CIRCUIT NUMBERS INDICATED ON DRAWINGS ARE FOR LOAD GROUPING PURPOSES ONLY. BALANCE LOADS ON PANELS TO WITHIN 10% ACROSS PHASES.

PROVIDE ALL WIRING DEVICES AS SPECIFICATION GRADE UNLESS NOTED OTHERWISE.

IDENTIFY ALL EQUIPMENT PROVIDED WITH LAMICOID PLATES WITH 7mm (1/4") HIGH ENGRAVED LETTERS.

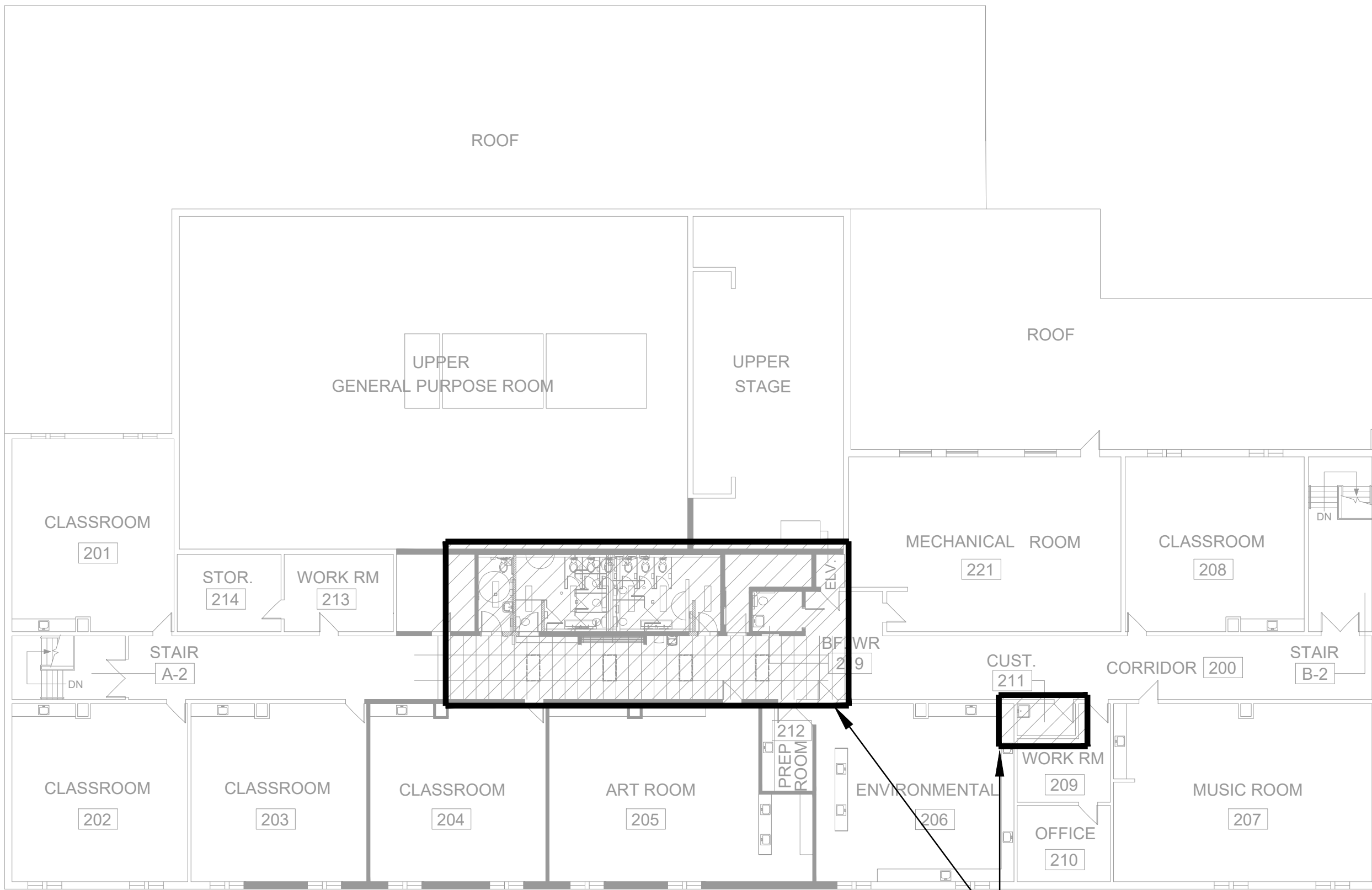
PROVIDE ALL WIRING AS COPPER T90 FOR OVERHEAD INSTALLATION AND RWU90 FOR UNDER GROUND INSTALLATION. ALL WIRING SHALL BE DONE IN CONDUIT UNLESS OTHERWISE NOTED. BY CABLE MAY BE USED IN PARTITION WALLS AND CEILING SPACE FOR RUNS NOT EXCEEDING 10 FT. HORIZONTALLY.

MINIMUM WIRE SIZE IS #12 AWG. INCREASE SIZE AS REQUIRED TO LIMIT BRANCH CIRCUIT VOLTAGE DROP TO 3% AND FEEDER VOLTAGE DROPS TO 2% AT FULL LOAD AS PER OESC AND OBC SB-10 REQUIREMENTS. USE SOLID CONDUCTORS FOR SIZES #10 AWG AND SMALLER AND STRANDED CONDUCTORS FOR SIZES # 8 AWG AND LARGER.



KEY PLAN — FIRST FLOOR

SCALE: 1:200

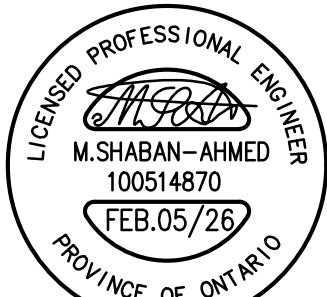


KEY PLAN — SECOND FLOOR

SCALE: 1:200

LEGEND OF SYMBOLS		
EXISTING	NEW	DESCRIPTION
		FLUORESCENT OR LED LIGHT FIXTURE, INSCRIBED LETTER DENOTES TYPE AS PER SCHEDULE.
		H.I.D. OR LED LIGHT FIXTURE, INSCRIBED LETTER DENOTES TYPE AS PER SCHEDULE.
		SIMILAR TO ABOVE BUT CONNECTED TO NIGHT LIGHT CIRCUIT.
		CEILING OR WALL MOUNTED LED SERIES PICTOGRAM "RUNNING MAN" EXIT LIGHT SHADED AREA DENOTES REQUIRED FACE. SELF-POWERED 120/347V. LUMACELL OR EQUAL.
		CEILING OR WALL MOUNTED LED SERIES PICTOGRAM "RUNNING MAN" COMBO EXIT LIGHT C/W SELF-CONTAINED 120/347V. 6V DC EMERGENCY BATTERY PACK AND 2-6W MR16 LED LAMPHEADS. LUMACELL OR EQUAL.
		EMERGENCY BATTERY UNIT AS NOTED ON DRAWINGS C/W 12V, 6 WATT MR16 LED LAMPHEADS, UNLESS NOTED OTHERWISE. LUMACELL RGS SERIES C/W 1/2 HOUR WATTAGE CAPACITY AS NOTED ON DRAWINGS (120/347V INPUT). CONTRACTOR MUST NOT EXCEED 3% VOLTAGE DROP.
		SINGLE OR DOUBLE REMOTE EMERGENCY LAMPHEADS WALL MOUNTED C/W 6 WATT 12V MR16 LED LAMPS, UNLESS NOTED OTHERWISE. LUMACELL OR APPROVED EQUAL.
		CEILING MOUNTED SELF-POWERED, 120/347V EMERGENCY FIXTURE C/W 4 X 2.5 WATT LED LAMP BEGHELLI PL-R-EM SERIES OR APPROVED EQUAL.

NO.	DATE	REVISION	BY
1	JAN.28/26	ISSUED FOR REVIEW	MA
2	FEB.05/26	ISSUED FOR PERMIT AND TENDER	MA



ELECTRICAL CONSULTANT:	
	<b>MJA ENGINEERING LTD.</b> ELECTRICAL ENGINEERS
556 EDWARD AVENUE, UNIT 82 RICHMOND HILL, ONTARIO L4C 9Y5, CANADA PHONE: (905) 780-8590 FAX: (905) 780-8591 EMAIL: engineering@mjoeng.com WEB SITE: www.mjoeng.com	

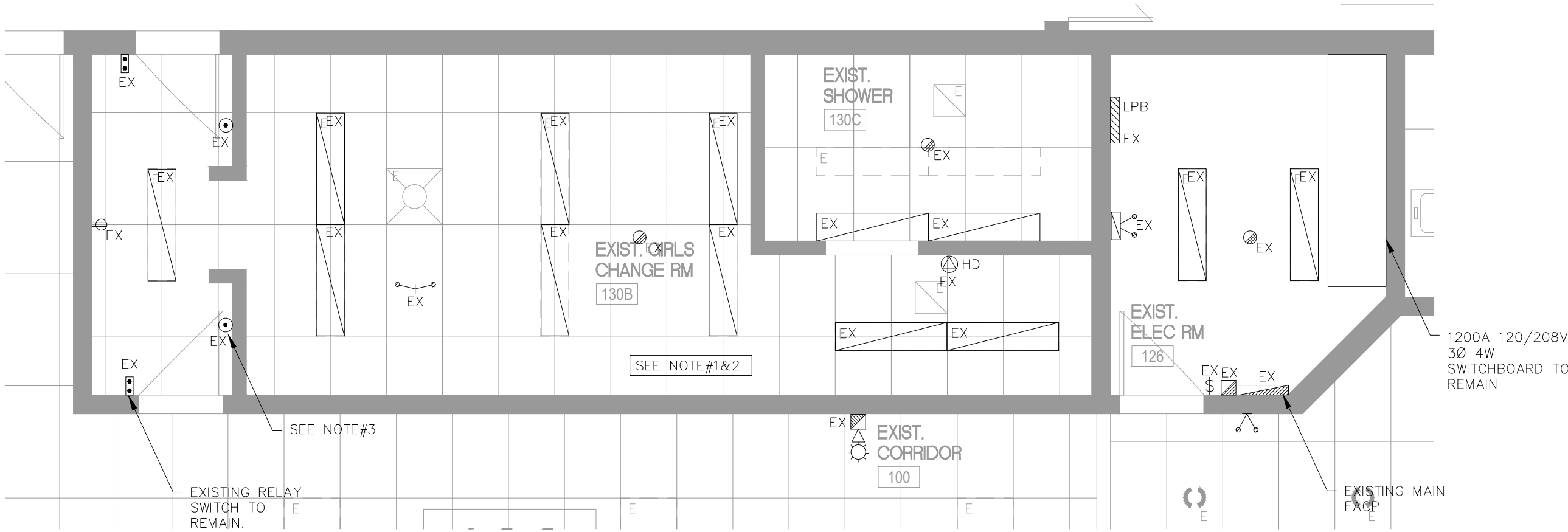
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MECHANICAL CONSULTANT:	
	<b>RoMar</b> <b>ENGINEERING</b> MECHANICAL BUILDING SERVICES

PROJECT/LOCATION	
<b>BELLWOOD P.S</b> <b>WASHROOM RENOVATIONS.</b>	
30 BELLWOOD DR., WHITBY, ON L1N 8M4	

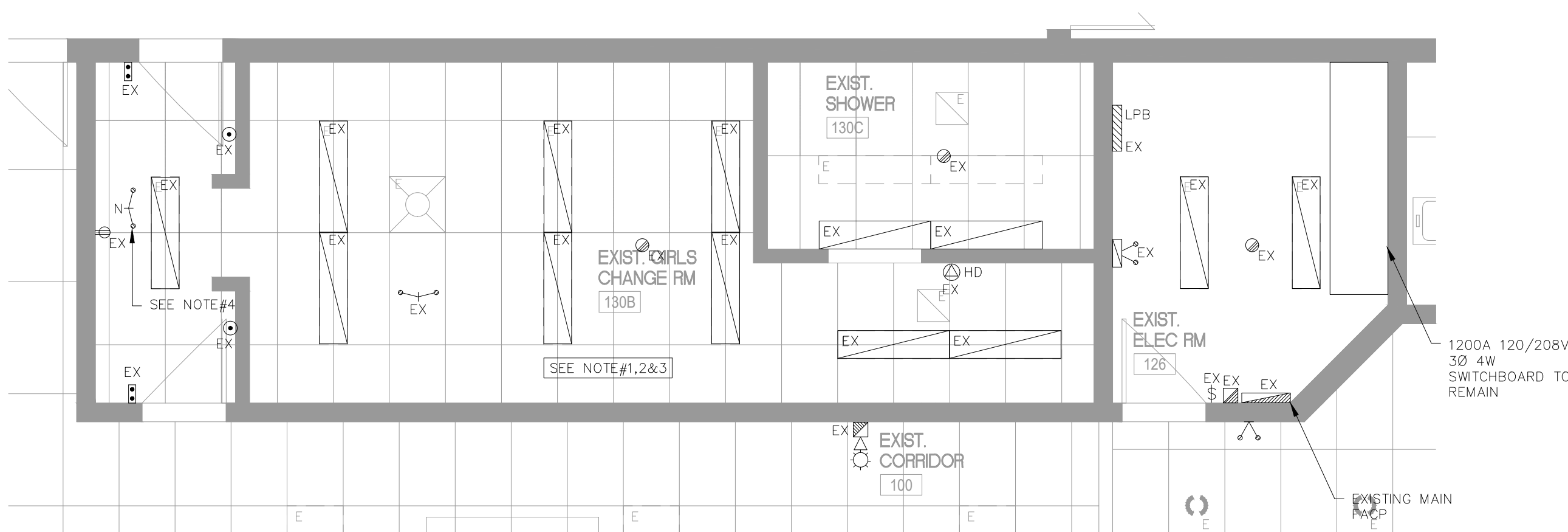
DRAWING NAME		
ELECTRICAL LEGEND, SPECIFICATION AND DETAILS		
DRAWN	SCALE	DRAWING NO.
H.G	N.T.S.	
CHECKED	DATE	E-100
M.A	JAN. 2026	
PROJECT NO.		2026-013



1 GIRLS CHANGEROOM DEMO  
E200 SCALE: 1:50

DEMOLITION NOTES

- UNLESS OTHERWISE NOTED ALL ELECTRICAL EQUIPMENT SHOWN SHALL BE REMOVED AND REINSTALLED AFTER THE RENOVATION PHASE.
- EXISTING CIRCUITS FEEDING CHANGE ROOM FROM PANEL LP-B IN MAIN ELECTRICAL ROOM.
- EXISTING MAGNETIC HOLD-OPEN FOR CHANGE ROOM DOORS TO REMAIN, REMOVE AND REINSTALL AS REQUIRED BY THE RENOVATION.



2 GIRLS CHANGEROOM NEW WORK  
E200 SCALE: 1:50

NEW WORK NOTES

- UNLESS OTHERWISE INDICATED/ OR NOTED ALL EQUIPMENT SHOWN IS NEW OR RELOCATED TO BE PROVIDED BY THIS ELECTRICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR TO INSTALL EXISTING LIGHTING, RECEPTACLES AND FA HEAT DETECTOR AFTER RENOVATION PHASE, REPLACE DAMAGED BALLASTS, LIGHTS TO OPERATIONAL CONDITION AND ADJUST ACCORDINGLY.
- PROVIDE FIRE ALARM VERIFICATION REPORT FOR RE-INSTALLED DEVICES AND ADJUST ACCORDINGLY.
- NEW REMOTE DOUBLE HEAD 2X7W LED CONNECTED TO EXISTING BATTERY UNIT IN ELECTRICAL ROOM.

NO.	DATE	REVISION	BY
1	JAN.28/26	ISSUED FOR REVIEW	M.A
2	FEB.05/26	ISSUED FOR PERMIT AND TENDER	M.A



ELECTRICAL CONSULTANT:

**MJA ENGINEERING LTD.**  
ELECTRICAL ENGINEERS

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RICHMOND HILL, ONTARIO  
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PHONE: (905) 780-8590 FAX: (905) 780-8591  
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MECHANICAL CONSULTANT:

**RoMar**  
ENGINEERING  
MECHANICAL BUILDING SERVICES

PROJECT/LOCATION

**BELLWOOD P.S**  
**WASHROOM RENOVATIONS.**

30 BELLWOOD DR., WHITBY, ON L1N 8M4

DRAWING NAME

FIRST FLOOR GIRLS CHANGE ROOM  
DEMO AND NEW WORK

DRAWN	SCALE	DRAWING NO.
H.G	AS SHOWN	
CHECKED	DATE	
M.A	JAN. 2026	E-200
PROJECT NO. 2026-013		

