

Consultants Mechanical and Electrical Consultants DEI & Associates Inc. 55 Northland Rd. Waterloo, Ontario, N2L 4E4 Tel: 519-725-3555

Snyder Architects Inc. 260 King St. E, Unit A101, Toronto, ON M5A 4L5 tel. 416.966.5444 fax. 416.966.4443 w w w . s n y d e r a r c h i t e c t s . c a

Key Plan N.T.S.

ECOLE ELEMENTAIRE SAINTE JEANNE D'ARC RENOVATIONS

25 RUE LAURELCREST, BRAMPTON, ON

ARCHITECTURAL:

MECHANICAL & ELECTRICAL:

COVER SHEET LEGEND, SCHEDULE AND SPECIFICATIONS EXISTING GROUND FLOOR - DEMOLITION GROUND FLOOR DEMOLITION PART PLAN **EXISTING GROUND FLOOR - RENOVATION** GROUND FLOOR RENOVATION PART PLAN

Tru	e North	Project N		
No.	Revisions	Date		
1	Issued for Tender	2020 12 0		
No.	Issue	Date		

Drawing Title: **COVER SHEET**

2003	A0-0
Job No.	Drawing No.
Drawn by: JS	Checked by: AG
Scale:	Date: 03/26/2020

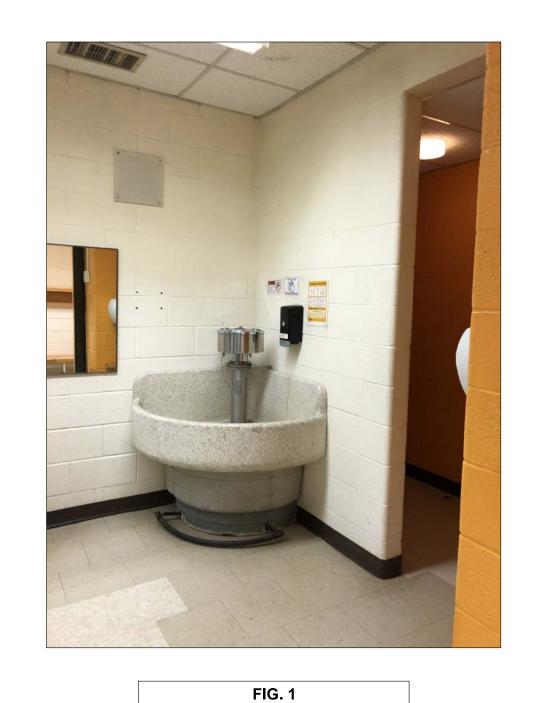


FIG. 3

FIG. 5







FIG. 4



FIG. 6



FIG. 8

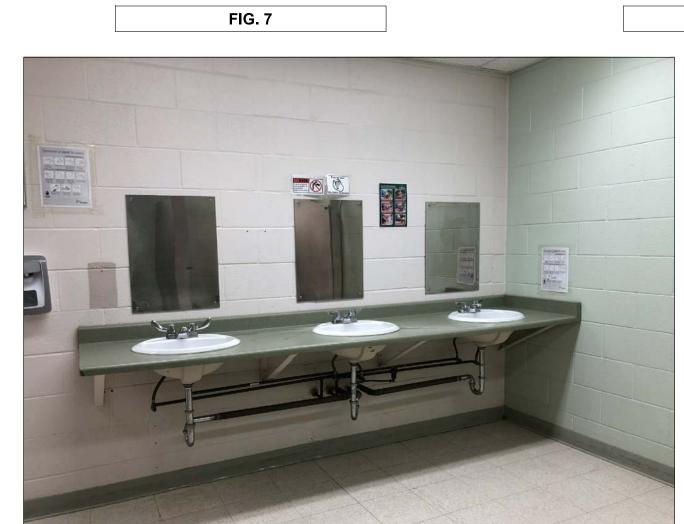


FIG. 9

DEMOLISH AND DISPOSE OF EXISTING CMU BLOCK WALL (FULL HEIGHT), COMPLETE W/ TILE FIN. REMOVE EDGE BLOCKS AND SAW-TOOTH IN NEW SOLID CMU TO FORM NEW EDGE. COORDINATE W/ MECH. / ELEC. DWGS FOR ADDITIONAL DEMOLITION SCOPE OF WORK. MAKE GOOD AFFECTED SURFACES.

DEMOLITION NOTES

- DEMOLISH PORTION OF EXISTING CMU BLOCK WALL. $\langle \, \mathsf{1b} \, \rangle$ REMOVE EDGE BLOCKS AND SAW-TOOTH IN NEW SOLID $-\!\!/$ CMU TO FORM NEW EDGE. COORDINATE W/ MECH. / ELEC. DWGS FOR ADDITIONAL DEMOLITION SCOPE OF WORK. MAKE GOOD AFFECTED SURFACES.
- 2a ADHESIVE & BASE. PATCH AND MAKE GOOD CONC. SLAB TO RECEIVE NEW FLOOR FINISH AFTER MECH. CONNECTIONS COMPLETED. REFER TO MECH DWGS FOR EXTENT OF WORK AFFECTING EX. CONC. SLAB (TYP.).

2b ADHESIVE & BASE. PATCH AND MAKE GOOD CONC. SLAB

- TO RECEIVE NEW FLOOR FINISH AFTER MECH. CONNECTIONS COMPLETED. REFER TO MECH DWGS FOR EXTENT OF WORK AFFECTING EX. CONC. SLAB (TYP.). $\langle 2c \rangle$ concrete floor & base. Patch and make good conc. SLAB TO RECEIVE NEW FLOOR FINISH AFTER MECH.
- EXTENT OF WORK AFFECTING EX. CONC. SLAB (TYP.). REMOVE AND DISPOSE OF EXISTING MILLWORK 3 COUNTERTOP COMPLETE WITH ASSOCIATED PLUMBING FIXTURES - COORDINATE W/ M&E DWGS AND MAKE GOOD

AFFECTED SURFACES.

CONNECTIONS COMPLETED. REFER TO MECH DWGS FOR

- REMOVE AND STORE EXISTING ACT TILES FOR REUSE. 4 SUPPORT T-BAR WHERE NECESSARY. RETAIN EXISTING LIGHT FIXTURES, MECH DIFFUSERS, AND GRILLS. REFER TO MECH., ELEC, & SPRINKLER DRAWING FOR ADDITIONAL SCOPE AND REQUIREMENTS. REINSTALL ACT TILES AFTER COMPLETION OF MECH. SERVICES- RENOVATION WORK. UNDAMAGED CLG COMPONENTS ARE ACCEPTABLE FOR
- REMOVE AND DISPOSE OF EXISTING WATER CLOSET & LAVATORY. PROVIDE CAPPING FOR SERVICES FLUSH ── WITH SLAB WHERE INDICATED AND RECONNECT THE REMAINING TO NEW SERVICES. REFER MECH DWG FOR DETAILS. MAKE GOOD AFFECTED SURFACES TO RECEIVE
- REMOVE AND DISPOSE OF EXISTING WATER FOUNTAIN. $\langle \, \mathsf{5b} \,
 angle$ provide capping for services flush with slab WHERE INDICATED AND RECONNECT THE REMAINING TO NEW SERVICES. REFER MECH DWG FOR DETAILS. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK. REMOVE AND DISPOSE OF EXISTING WASH FOUNTAIN.
- NEW SERVICES. REFER MECH DWG FOR DETAILS. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK. REMOVE AND DISPOSE OF EXISTING LAV. PROVIDE $\langle 5d \rangle$ Capping for services flush with slab where INDICATED AND RECONNECT THE REMAINING TO NEW

 \langle 5c \rangle provide capping for services flush with slab WHERE INDICATED AND RECONNECT THE REMAINING TO

- SERVICES. REFER MECH DWG FOR DETAILS. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK. REMOVE AND DISPOSE OF EXISTING MOPPING SINK, \langle 5e \rangle PLUMBING FIXTURES. PROVIDE CAPPING FOR SERVICES FLUSH WITH SLAB WHERE INDICATED AND RECONNECT THE REMAINING TO NEW SERVICES. REFER MECH DWG FOR DETAILS. MAKE GOOD AFFECTED SURFACES TO
- RECEIVE NEW WORK. REMOVE AND DISPOSE OF EXISTING URINALS. PROVIDE $\langle 5f \rangle$ capping for services flush with slab where INDICATED AND RECONNECT THE REMAINING TO NEW SERVICES. REFER MECH DWG FOR DETAILS. MAKE GOOD
- AFFECTED SURFACES TO RECEIVE NEW WORK. CAREFULLY REMOVE AND STORE MIRRORS TO BE

GENERAL NOTES:

- 1. COORDINATE DEMOLITION AREAS AND MATERIALS REQUIRING ABATEMENT PROCEDURES PER 'LIMITED DESIGNATED SUBSTANCES SURVEY', AS PREPARED BY S2D ENVIRONMENTAL INC., DATED JUNE 3 2020.
- DEMO & CONSTRUCTION WORK, PROTECT AND PROPERLY STORE ANY ACOUSTIC CEILING TILES TEMPORARILY REMOVED BY CONTRACTOR TO FACILITATE CONSTRUCTION ACTIVITIES. REINSTATE AFTER CONSTRUCTION IS 3. ARCHITECTURAL DEMOLITION DRAWINGS MUST BE READ IN

CONJUNCTION WITH MECH AND ELEC DEMOLITION DRAWINGS.

BUILDING BEING RETAINED IS HANDED BACK TO THE OWNER (ON COMPLETION OF CONSTRUCTION) IN A CONDITION

2. CAREFULLY REMOVE ACT WHERE NECESSARY TO ENABLE

REFER TO MECH & ELEC DEMOLITION DRAWINGS FOR COORDINATION. 4. CONTRACTOR TO FILL IN AND FINISH HOLES LEFT ON THE FLOORS OR WALLS AFTER DEMOLITION TO MATCH WITH EXISTING SURROUNDING MATERIALS.

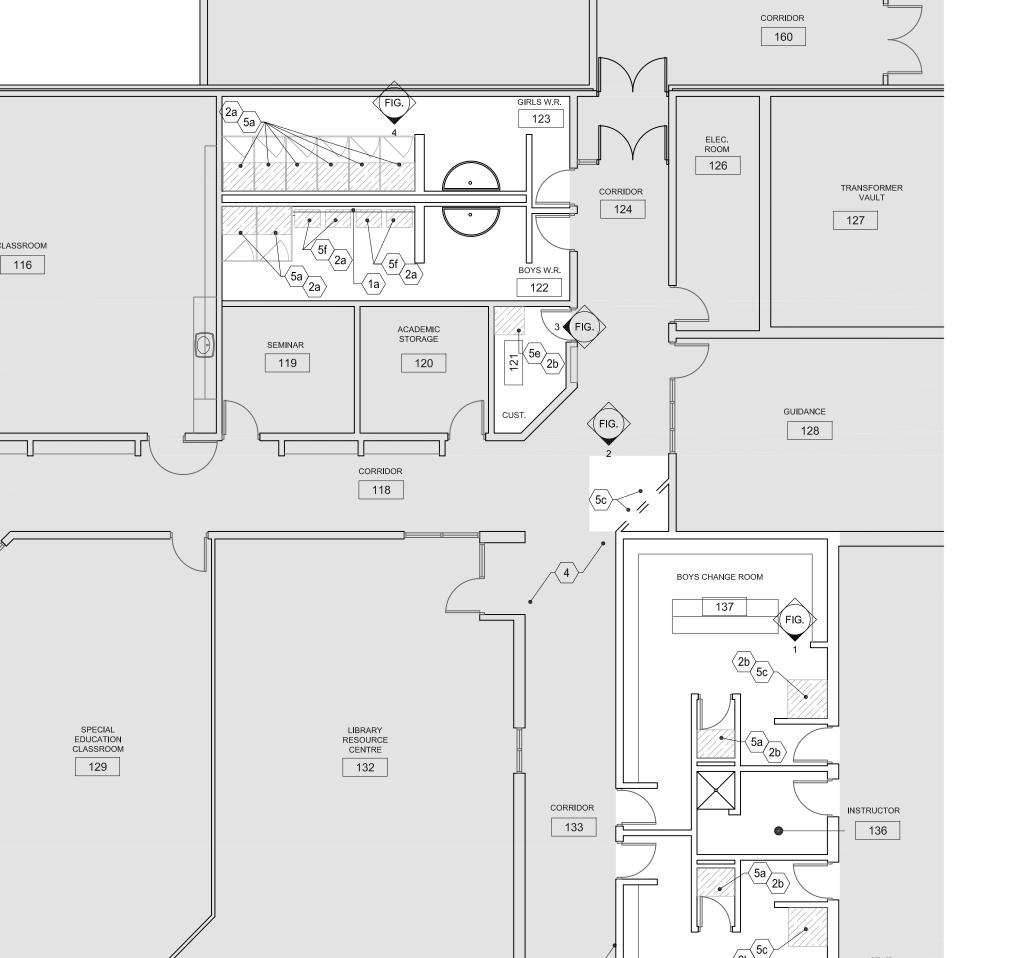
5. CONTRACTOR TO ENSURE THAT THE PORTION OF THE

- SIMILAR TO ITS EXISTING CONDITION OR BETTER. THIS REQUIREMENT INCLUDES PROVISION OF ALL NECESSARY PROTECTIVE MEASURES LIKE SECURITY, PROTECTION FROM THE ELEMENTS AND WEATHER, HEATING / DEHUMIDIFICATION AS NECESSARY, ETC. 6. CONTRACTOR TO PROVIDE 4 OPENINGS OF 450mm x 450mm AS DIRECTED BY CONSULTANT ON SITE IN EXISTING GYPSYM BOARD CEILING FOR MECH. & ELEC. SERVICES. PATCH HOLE WITH NEW GYPSUM BOARD & PAINT TO MATCH EXISTING. MAKE GOOD AFFECTED SURFACES. COORDINATE W/
- MECH/ELEC DWGS FOR ADDTIONAL DEMOLITION SCOPE FOR 7. CONTRACTOR TO PROVIDE 10 NEW ACOUSTIC CEILING TILES IN CORRIDORS IN CASE OF EXISTING TILES BEING DAMAGED

ABBREVIATIONS

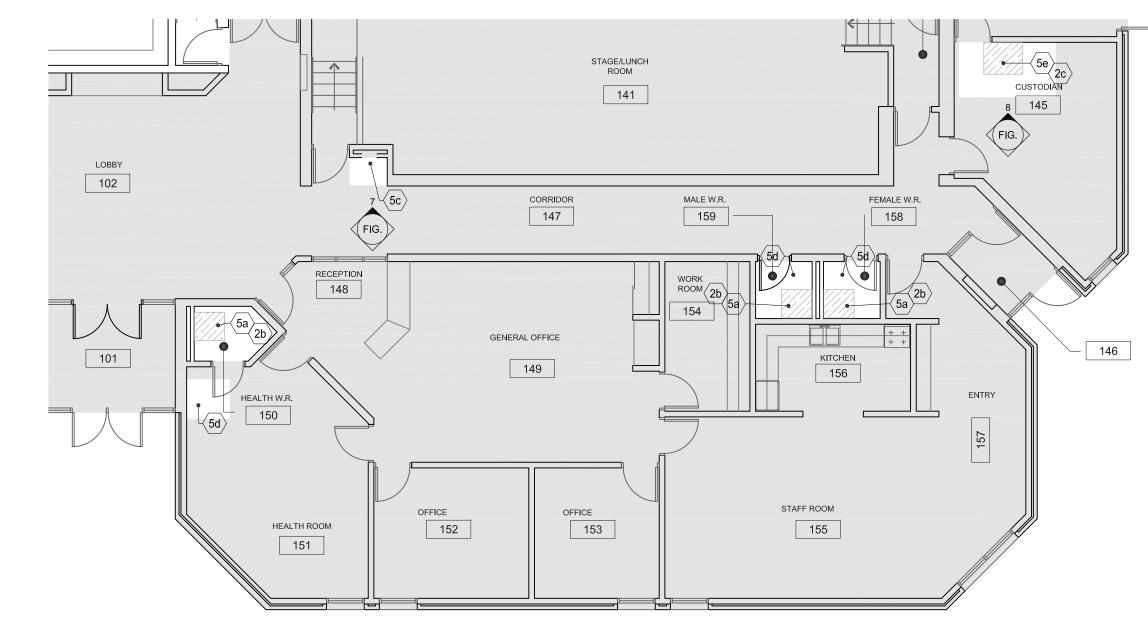
BEYOND REUSABILITY.

- ACOUSTIC CEILING TILE - CONCRETE MASONRY UNIT
- PORCELAIN FLOOR TILE
- UNLESS OTHERWISE NOTED VCT - VINYL COMPOSITE TILE

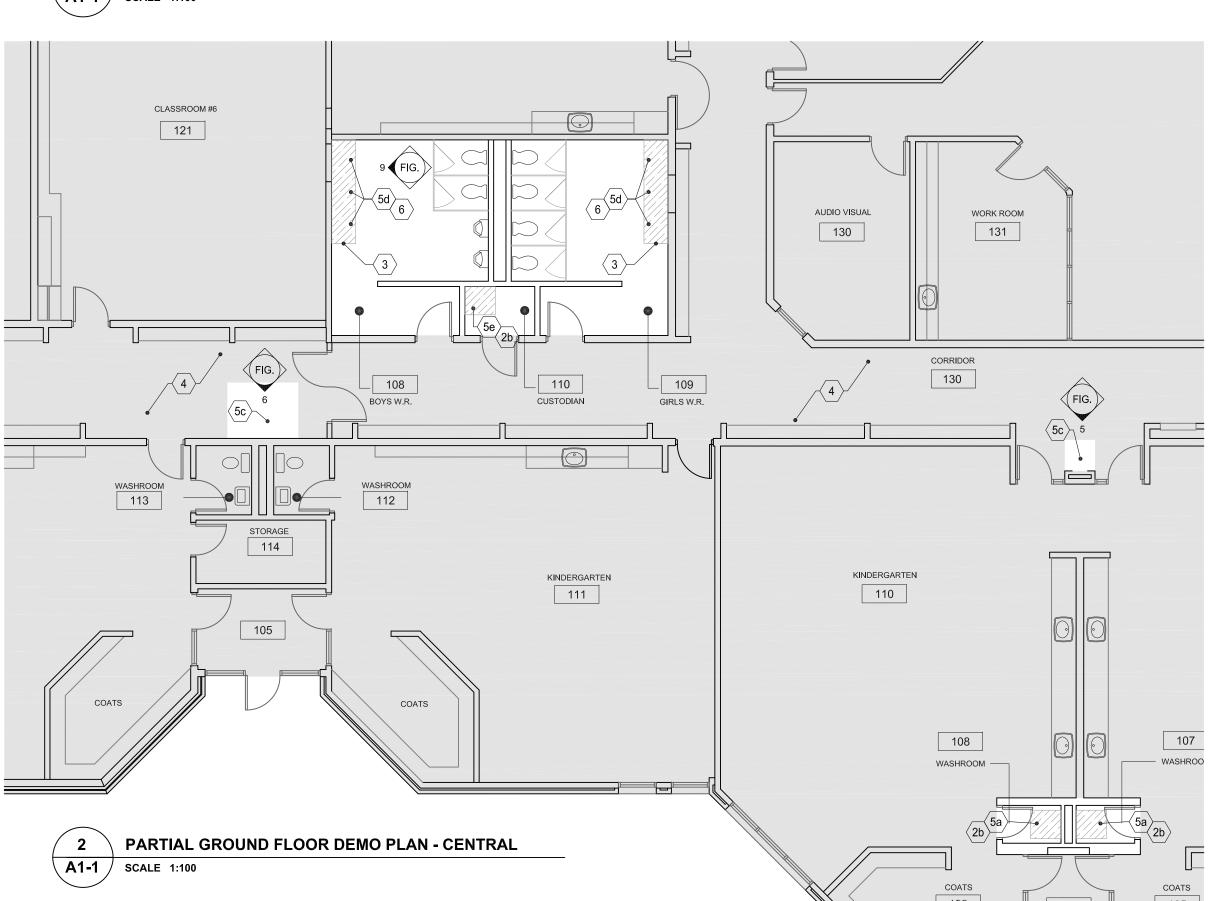


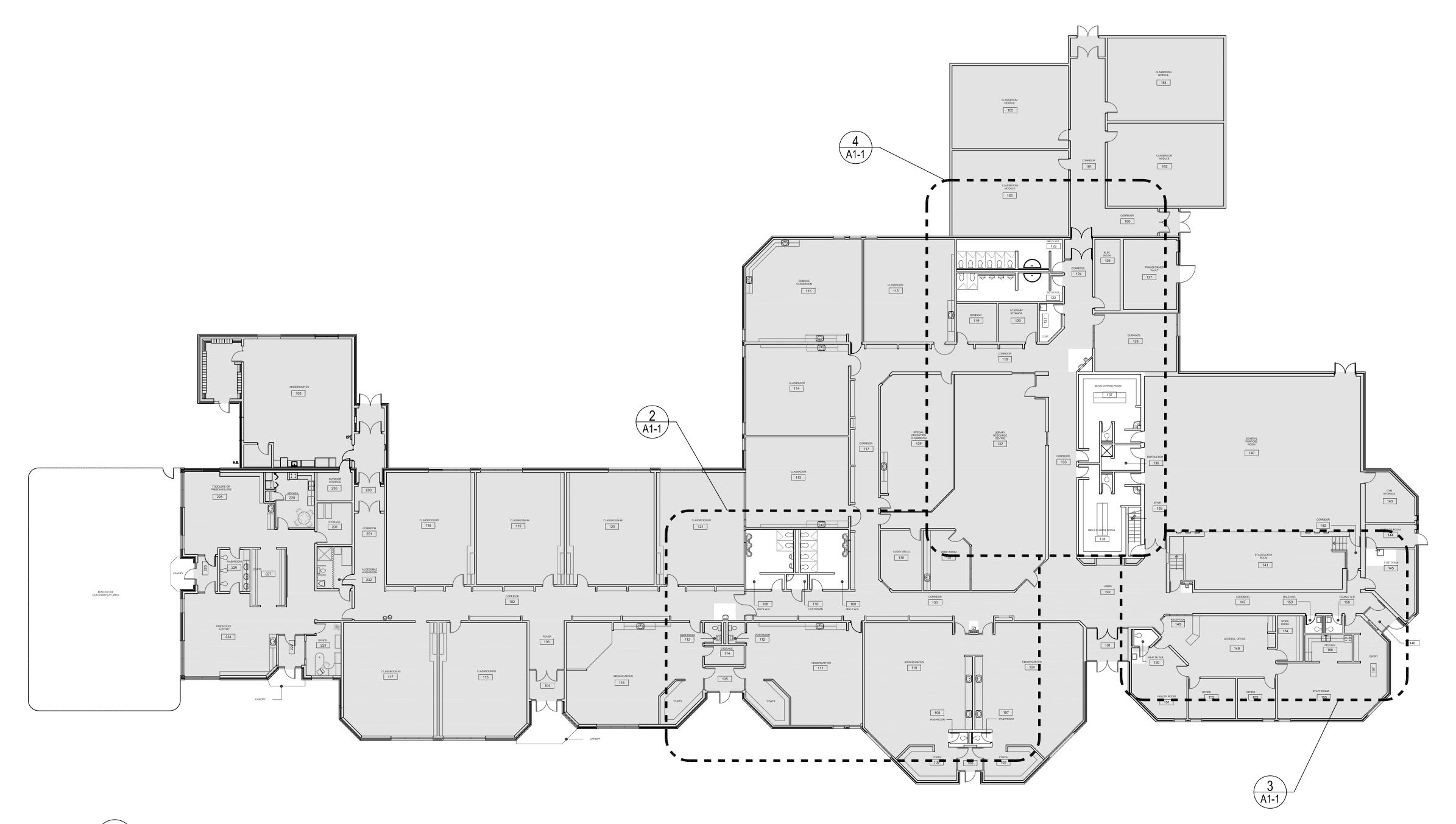
WORK ROOM

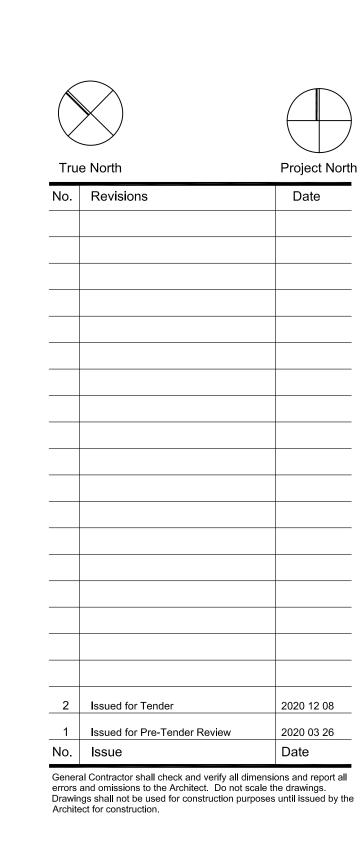
4 PARTIAL GROUND FLOOR DEMO PLAN - NORTH



3 PARTIAL GROUND FLOOR DEMO PLAN - EAST A1-1 | SCALE 1:100







ÉCOLE ÉLÉMENTAIRE SAINTE-JEANNE-D'ARC RENOVATIONS 25 Rue Laurelcrest, Brampton, Ontario.

Architect

Snyder Architects Inc. 260 King St. E, Unit A101, Toronto, ON M5A 4L5 tel. 416.966.5444 fax. 416.966.4443 www.snyderarchitects.ca

Consultants

Mechanical and Electrical Consultants

DEI & Associates Inc.

55 Northland Rd.

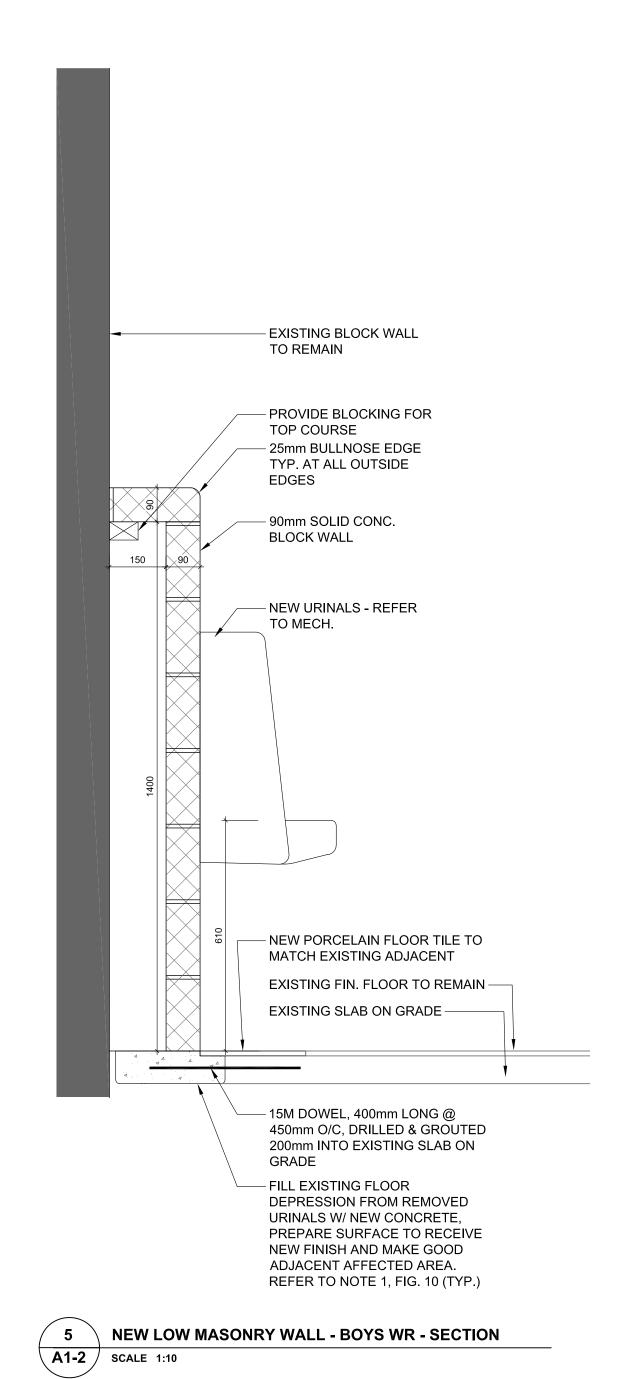
Key Plan N.T.S.

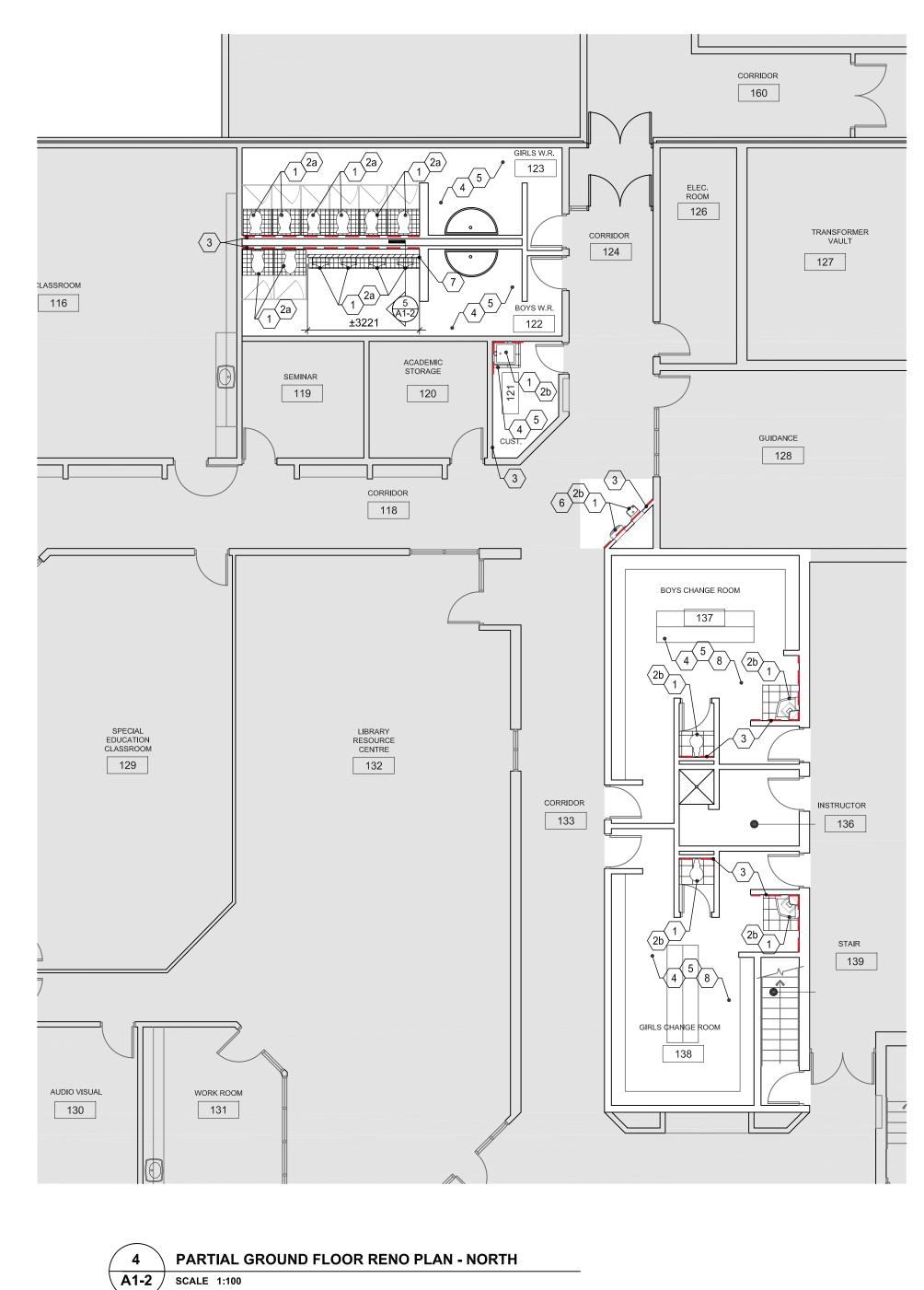
Waterloo, Ontario, N2L 4E4 Tel: 519-725-3555

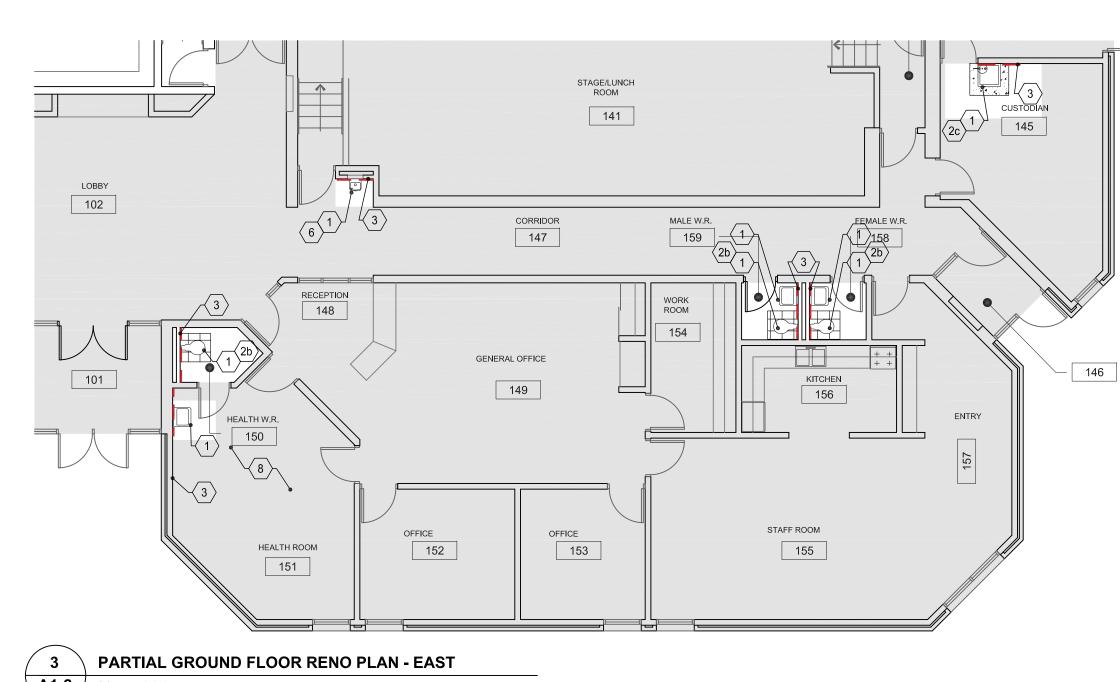
Drawing Title: EXISTINGROUNDEMOL	ID FLO		
Scale:	1:100	Date:	03/26/202
Drawn by:	JS	Checked by	y: A(
Job No.		Drawing No).
20	003		A1-1

1 GROUND FLOOR - KEY PLAN

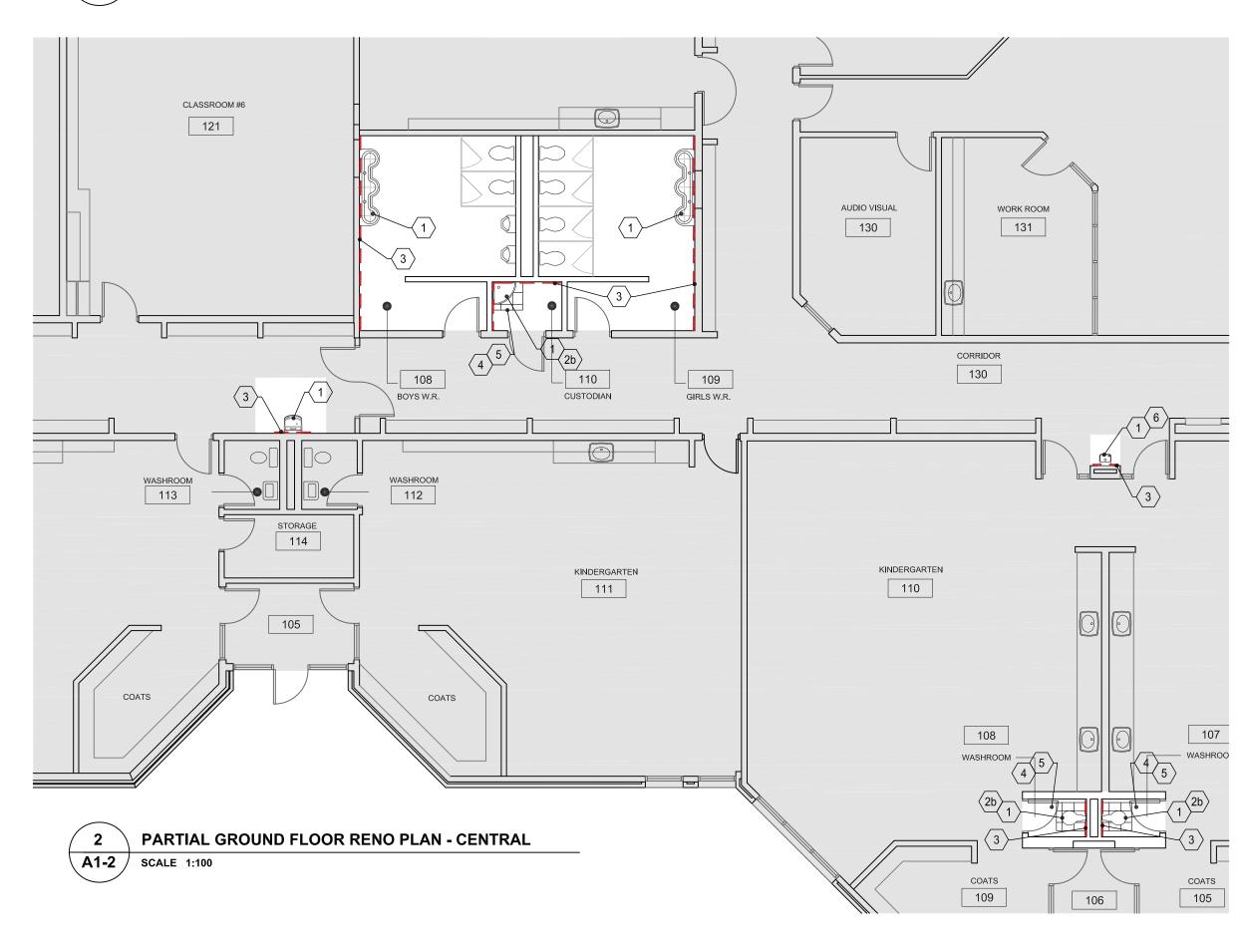














- 1. ACOUSTIC CEILING TILE (ACT): WET-FORMED MINERAL FIBER LAY-IN TILE, TO ASTM E1264, TYPE III, FORM 2, PATTERN C E; COMPLETE WITH ANTI-MOULD AND MILDEW TREATMENT, AND SAG RESISTING TREATMENT; AS FOLLOWS: 1.1. SIZE: 610 x 1,220 mm SIZE.
- 1.2. THICKNESS: 19mm. 1.3. PATTERN: OMNIDIRECTIONAL FISSURED. 1.4. EDGE: SQUARE.
- WEIGHT: 6.74kg/m2. FINISH: FACTORY-APPLIED LATEX SURFACE, WHITE COLOUR.
- FIRE RESISTANCE: CLASS A. 1.8. NOISE REDUCTION COEFFICIENT: 0.70. 1.9. LIGHT REFLECTANCE: 0.85.

AIR CONTENT: 0 TO 3%.

- 1.10. MANUFACTURER AND PRODUCT NAME: eg. FINE FISSURED 1714 BY ARMSTRONG WORLD INDUSTRIES.
- 2.1. FIT LAY-IN TILES IN PLACE, FREE FROM DAMAGED EDGES. 2.2. CUT AND RABBET LAY-IN TILES AT BORDER AREAS AND VERTICAL SURFACES.

CONCRETE

- CONCRETE MIXES 1.1. PROPORTION NORMAL DENSITY CONCRETE IN ACCORDANCE CSA A23.1
- 1.1.1. CEMENT: TYPE GU PORTLAND CEMENT MAXIMUM 25% SLAG CEMENT CONTENT
- MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: 25 MPa. NOMINAL SIZE OF COUARSE AGGREGATE: 20mm. SLUMP AT TIME AND POINT OF DISCHARGE: 50 TO 100mm.

1.1.6.

- 1.1. PORCELAIN TILE (PFT): TO ANSI A137.1; 50 x 50 mm SIZE PORCELAIN TILE, KEYSTONE AS DISTRIBUTED BY DALTILE, IN
- 2. INSTALLATION: INSTALL PRODUCTS TO TTMAC SPECIFICATION GUIDE 09 30 00. APPLY TILE USING WATER-RESISTANT ORGANIC ADHESIVES TO ANSI A108.4.
- APPLY TILE USING DRY-SET PORTLAND CEMENT MORTAR OR LATEX-PORTLAND CEMENT MORTAR BEDS TO ANSI A108.5. INSTALL TILES WITH STRAIGHT, UNIFORM JOINTS, AT TILE MANUFACTURERS' RECOMMENDED WIDTHS. FIT TILE UNITS AROUND CORNERS, FITMENTS, FIXTURES, DRAINS, AND OTHER BUILT-IN OBJECTS TO MAINTAIN UNIFORM
- JOINT APPEARANCE. MAKE CUT EDGES SMOOTH, EVEN AND FREE FROM CHIPPING. DO NOT SPLIT TILE. LAY OUT TILES ACCORDING TO PATTERNS INDICATED ON DRAWINGS.
- ENSURE PERIMETER AND CUT TILES ARE MINIMUM HALF SIZE. SET TILES IN PLACE WHILE BOND COAT IS WET AND TACKY, PRIOR TO SKINNING OVER. SLIDE TILE BACK AND FORTH TO ENSURE A PROPER BOND AND LEVEL SURFACE.
- AVOID LIPPAGE. 2.9. CLEAN BACKS OF TILES AND BACK BUTTER TILES TO ENSURE A 95 PERCENT BOND COVERAGE. 2.10. CLEAN EXCESS MORTAR FROM SURFACE PRIOR TO FINAL SET.
- 2.11. SOUND TILES AFTER SETTING MATERIALS HAVE CURED AND REPLACE HOLLOW SOUNDING TILE BEFORE GROUTING. 2.12. EXTERIOR SURFACES AND WET AREAS (THIN SET METHOD); NOTCH ADHESIVE IN STRAIGHT LINES, BACKBUTTER TILE AND SET ON FRESHLY TROWELLED THIN-SET MORTAR. MOVE TILE BACK AND FORTH PERPENDICULAR TO NOTCHES.
- 2.13. INSTALL CUT TILES WITH CUT EDGES CONCEALED WITHIN EITHER A GROUTED JOINT OR A METAL TRIM. VISUALLY ESPOSE ONLY FACTORY-MADE EDGES. 2.14. KEEP TWO-THIRDS THE DEPTH OF GROUT JOINTS FREE OF SETTING MATERIAL.

3. ALLOW PROPER SETTING TIME PRIOR TO GROUTING. PRESEAL TILES REQUIRING PROTECTION FROM GROUT STAINING.

APPLY CEMENTITIOUS GROUT TO ANSI A108.10. FORCE GROUT INTO JOINTS TO ENSURE DENSE FINISH. REMOVE EXCESS AND POLISH WITH CLEAN CLOTHS. 4. LEVEL TILES TO CONFORM TO A 1mm TOLERANCE OVER A 3mm JOINT.

5. DRY-SET PORTLAND CEMENT MORTAR: TO ANSI A118.1. LATEX-PORTLAND CEMENT MORTAR: TO ANSI A118.4. CEMENTITIOUS

- GROUT: TO ANSI A118.6; RAPID SETTING TYPE, POLYMER-MODIFIED SANDED GROUT; EG. MAPEI ULTRACOLOR PLUS, COLOUR AS SELECTED BY CONSULTANT. ACESSORIES: 6.1. CRACK ISOLATION MEMBRANE: LOADBEARING MEMBRANE, TO ANSI A118.12, HIGH PERFORMANCE RATING.
- ORGANIC ADHESIVE: TO ANSI A136.1, TYPE 1 FOR WET AREAS AND TYPE 2 FOR DRY AREAS. 6.3. LATEX ADDITIVE: FORMULATED FOR USE IN PORTLAND CEMENT MORTARS AND GROUT. WATER: CLEAN, COLD AND POTABLE.
- JOINT SEALANT: AS SPECIFIED IN SECTION 07 92 00. 6.6. TILE SEALER: TO CAN/CGSB-25.20, TYPE 1 - PENETRATING; AS RECOMMENDED BY TILE MANUFACTURER. MANUFACTURERS OF MORTARS, GROUTS, AND ADHESIVES HAVING PRODUCT CONSIDERED ACCEPTABLE FOR USE:
- 7.0.1. FLEXTILE 7.0.2. LATICRETE 7.0.3.

7.0.4. PROMA ADHESIVES, INC. 7.0.5.

RESILIENT TILE FLOORING

PATTERNS.

- 1.1. VINYL COMPOSITION TILE (VCT): TO ASTM F1066, COMPOSITION 1, CLASS 2; 305 x 305 mm SIZE, 3.2mm THICK REINFORCED RESILIENT VINYL, EG. STANDARD EXCELON - IMPERIAL TEXTURE BY ARMSTRONG WORLD INDUSTRIES; COLOUR AS
- SELECTED BY CONSULTANT. 1.2. ADHESIVE FOR VINYL COMPOSITION TILE: WATER-BASED / LATEX RESIN ADHESIVE, CLEAR COLOUR; EG. S-515 CLEAR THIN SPREAD FLOOR FILE ADHESIVE BY ARMSTRONG WORLD INDUSTRIES.
- 1.3. PRIMERS, SEALERS, AND WAX AS RECOMMENDED BY FLOORING MANUFACTURER. 2. INSTALLATION INSTALL PRODUCTS WITH JOINTS AND SEAMS PARALLEL TO BUILDING LINES TO PRODUCE SYMMETRICAL TILE

2.2. SET PRODUCTS IN PLACE, PRESS WITH HEAVY ROLLER TO ATTAIN FULL ADHESION.

PROVIDE PERIMETER TILE OF SIMILAR SIZE WITHIN ANY GIVEN AREA. 2.4. SCRIBE FLOORING TO WALLS, FIXTURES, AND ANOTHER APPURTENANCES TO PRODUCE TIGHT JOINTS.

- PAINTING AND COATING
- FOR REPAINTING OF EXISTING FINISHES. PREPARE SURFACES TO RECEIVE NEW PAINT & PROVIDE PRIMER AS RECOMMENDED BY PAINT MANUFACTURER, BEFORE APPLYING FINISH COAT. USE SYSTEM PRIMER WHERE EXISTING

1. REPAINTING OF THE EXISTING AND PREVIOUSLY FINISHED SURFACES: REFER TO MPI MAINTENANCE REPAINTING MANUAL

FINISHES ARE DAMAGED DOWN TO BARE SURFACE. 2. INTERIOR PAINTING (NEW UNPAINTED SURFACES): USE WATER BASED EPOXY FINISH AS ONE COAT PRIMER. REFER TO MANUFACTURER RECOMMENDED PRIMER FOR INDICATED SUBSTRATE. APPLY MINIMUM 2 LAYERS OF TOP COATS. PRODUCTS CONSIDERED ACCEPTABLE FOR USE: ONLY PAINT MANUFACTURERS AND PRODUCTS LISTED IN THE MPI

ARCHITECTURAL PAINTING SPECIFICATION MANUAL. ALLOW FOR 4 COLOURS AS CHOSEN BY CONSULTANT.

RENOVATION NOTES

- REMOVE EX. MECH. FIXTURE AND REPLACE W/ NEW. $1 \,$ angle REFER TO MECH. DWGS. PATCH AND MAKE GOOD AFFECTED EX. CONC. SLAB SURFACE OR EX. CONC.
- BLOCK WALL (TYP.) NEW PFT AND BASE AS REQUIRED TO MATCH EXISTING $\langle 2a \rangle$ adjacent.
- NEW VCT AND BASE AS REQUIRED TO MATCH EXISTING
- $\langle \, \mathsf{2b} \, \rangle$ adjacent. PATCH AND REPAIR SEALED CONCRETE FLOOR AS

 $\langle\,2{
m c}\,
angle$ required to match existing adjacent.

PRIME AND PAINT WALL (FULL HEIGHT) COMPLETE. PATCH

 $\langle \ 4 \
angle$ FLOOR FINISH AFTER MECH. CONNECTIONS COMPLETED.

- (REMOVED MILLWORK, ETC). EXTENT OF WALLS TO BE PAINTED AS DENOTED BY: — — — — — — PATCH AND MAKE GOOD CONC. SLAB TO RECEIVE NEW
- AFFECTING EX. CONC. SLAB (TYP.) PATCH AND MAKE GOOD ANY DAMAGED FLOOR FINISH $\langle b \rangle$ WITH NEW FLOOR. PROVIDE NEW BASE ALONG NEW WALL

REFER TO MECH. DWGS FOR EXTENT OF WORK

6 INFILL HOLE IN CONC. BLOCK WALL FROM REMOVED MECH. FIXTURE W/ NEW BLOCK TO MATCH EXISTING ADJACENT.

—/ AND REPLACE ANY DAMAGED BASE WITH NEW BASE.

NEW FIXTURE. REFER TO MECH DWGS FOR CONNECTIONS. PROVIDE NEW SOLID FILLED 90mm CONC. BLOCK WALL AT 1400mm HEIGHT, COMPLETE WITH 90mm CONC. BLOCK

PATCH AND MAKE GOOD AFFECTED AREAS TO RECEIVE

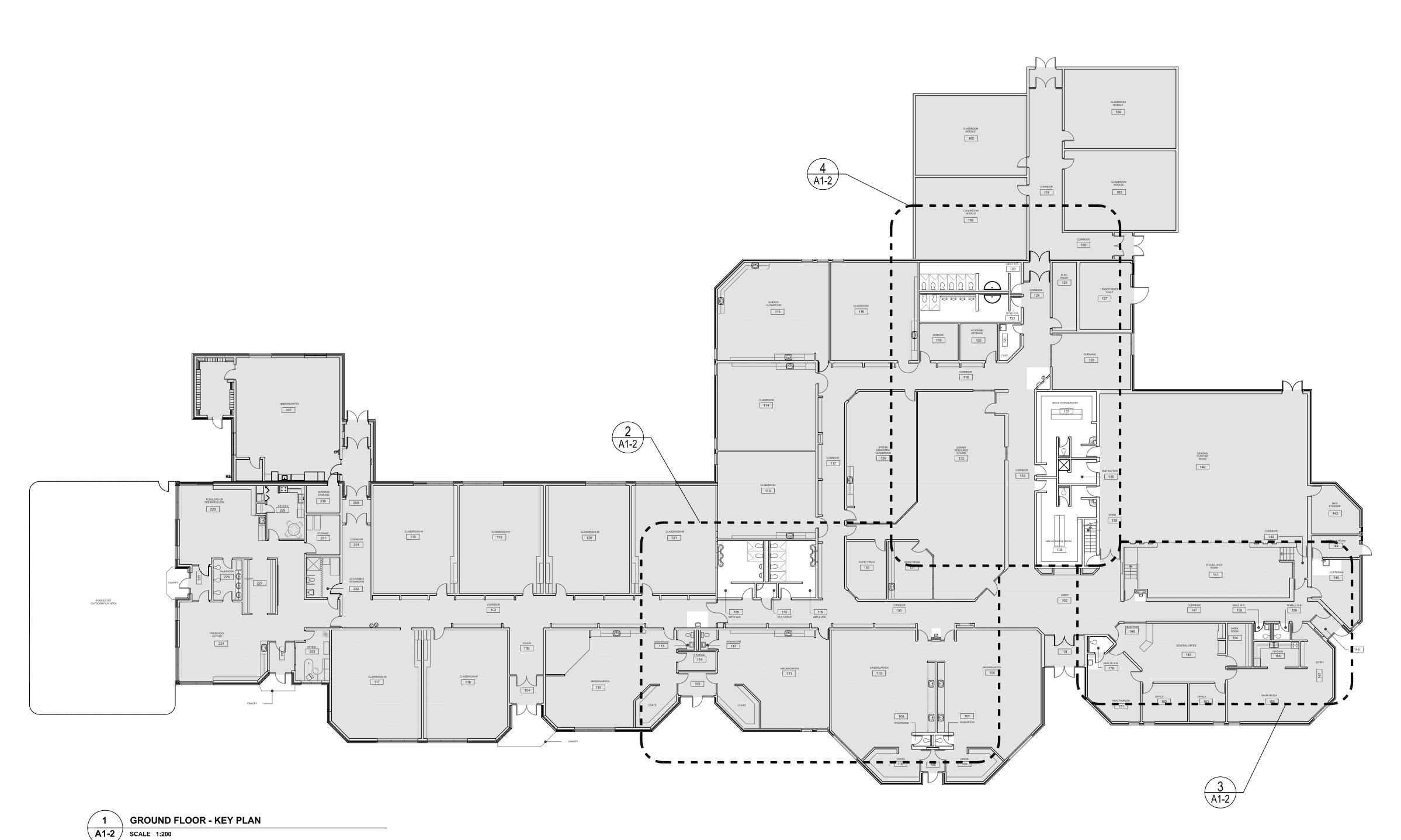
PROVIDE ADDITIONAL 200sq.ft. (TOTAL) OF NEW VINYL $\langle 8 \rangle$ FLOORING, IN AREAS AS IDENTIFIED BY CONSULTANT. REFER TO GENERAL NOTES #1.

CAP. REFER TO SECTION 5/A1-2

GENERAL NOTES:

- 1. COORDINATE DEMOLITION AREAS AND MATERIALS REQUIRING ABATEMENT PROCEDURES PER 'LIMITED DESIGNATED SUBSTANCES SURVEY', AS PREPARED BY S2D
- ENVIRONMENTAL INC., DATED JUNE 3 2020. 2. CAREFULLY REMOVE ACT WHERE NECESSARY TO ENABLE DEMO & CONSTRUCTION WORK. PROTECT AND PROPERLY STORE ANY ACOUSTIC CEILING TILES TEMPORARILY REMOVED BY CONTRACTOR TO FACILITATE CONSTRUCTION ACTIVITIES. REINSTATE AFTER CONSTRUCTION IS
- COMPLETED. 3. ARCHITECTURAL DEMOLITION DRAWINGS MUST BE READ IN CONJUNCTION WITH MECH AND ELEC DEMOLITION DRAWINGS. REFER TO MECH & ELEC DEMOLITION DRAWINGS FOR COORDINATION.
- 4. CONTRACTOR TO FILL IN AND FINISH HOLES LEFT ON THE FLOORS OR WALLS AFTER DEMOLITION TO MATCH WITH EXISTING SURROUNDING MATERIALS. 5. CONTRACTOR TO ENSURE THAT THE PORTION OF THE BUILDING BEING RETAINED IS HANDED BACK TO THE OWNER (ON COMPLETION OF CONSTRUCTION) IN A CONDITION SIMILAR TO ITS EXISTING CONDITION OR BETTER. THIS REQUIREMENT INCLUDES PROVISION OF ALL NECESSARY PROTECTIVE MEASURES LIKE SECURITY, PROTECTION FROM
- THE ELEMENTS AND WEATHER, HEATING / DEHUMIDIFICATION AS NECESSARY, ETC. 6. CONTRACTOR TO PROVIDE 4 OPENINGS OF 450mm x 450mm AS DIRECTED BY CONSULTANT ON SITE IN EXISTING GYPSYM BOARD CEILING FOR MECH. & ELEC. SERVICES. PATCH HOLE WITH NEW GYPSUM BOARD & PAINT TO MATCH EXISTING. MAKE GOOD AFFECTED SURFACES. COORDINATE W/
- 7. CONTRACTOR TO PROVIDE 10 NEW ACOUSTIC CEILING TILES IN CORRIDORS IN CASE OF EXISTING TILES BEING DAMAGED BEYOND REUSABILITY.

MECH/ELEC DWGS FOR ADDTIONAL DEMOLITION SCOPE FOR





ÉCOLE ÉLÉMENTAIRE SAINTE-JEANNE-D'ARC RENOVATIONS 25 Rue Laurelcrest, Brampton, Ontario.

Snyder Architects Inc. 260 King St. E, Unit A101, Toronto, ON M5A 4L5 tel. 416.966.5444 fax. 416.966.4443 www.snyderarchitects.ca

Consultants

Mechanical and Electrical Consultants

DEI & Associates Inc.

55 Northland Rd.

Key Plan N.T.S.

Waterloo, Ontario, N2L 4E4 Tel: 519-725-3555

Drawing Title: **GROUND FLOOR**

m 	Type HW CW WATER CLOSET FLUSH 1/2				Acceptable Manufacturer AMERICAN STANDARD	Fixture Description Acceptable Manufacture VITREOUS CHINA, TANK WITH LINER, SIPHON JET, ELONGATED RIM, METAL	Trim Description	Acceptable Manufacturer SEAT:	Accessory Description SEAT: WHITE, ELONGATED, OPEN FRONT, MOLDED SOLID
•	TANK		5		CADET PRO 215CA KOHLER WELLWORTH ZURN	CHROME TRIP LEVER, TWO PIECE (TANK & BOWL) CLOSE COUPLED, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.6 gal) PER FLUSH.		BEMIS 2155SSCT	ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
2	BARRIER FREE WATER CLOSET FLUSH TANK, 16" HIGH		3		AMERICAN STANDARD CADET PRO 215AA KOHLER HIGHLINE ZURN	BARRIER FREE, 16" TALL TO RIM, VITREOUS CHINA, TANK WITH LINER, SIPHON JET, ELONGATED RIM, METAL TRIP LEVER TWO PIECE (TANK & BOWL) CLOSE COUPLED, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.6 gal) PER FLUSH.		SEAT: BEMIS 7850TDG CENTOCO AM820STS	SEAT: WHITE, ELONGATED, OPEN FRONT WITH COVER, MOLD SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
3	WATER CLOSET FLUSH 1/2 TANK ROUND FRONT FOR KINDERGARTENS		3		AMERICAN STANDARD CADET PRO 215DA KOHLER WELLWORTH ZURN	VITREOUS CHINA, TANK WITH LINER & FLAPPER TYPE VALVE ASS'Y, SIPHON JET, ROUND RIM, TWO PIECE (TANK & BOWL) CLOSE COUPLED, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.6 gal) PER FLUSH.		SEAT: BEMIS 7750TDG CENTOCO 460TM	SEAT: WHITE, ROUND, CLOSED FRONT WITH COVER, MOLDE SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
1	WATER CLOSET FLUSH MANUAL VALVE (BASE BID)		3		AMERICAN STANDARD MADERA 2234.001 KOHLER WELLCOMME ZURN	VITREOUS CHINA, SIPHON JET, ELONGATED RIM, TOP SPUD FOR FLUSH VALVE, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.6 gal) PER FLUSH. MOEN 8310M16 DELTA ZURN SLOAN	EXPOSED, POLISHED CHROME PLATTED, SINGLE FLUSH, DIAPHRAGM TYPE FLUSH VALVE WITH 25mm (1") SCREWDRIVER ANGLE STOP, OSCILLATING HANDLE, VACUUM BREAKER ADJUSTABLE TAIL PIECE, FLUSH CONNECTION & COUPLING FOR 40mm (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS. VANDAL RESISTANT SCREWS, FLUSH CYCLE SET FOR 6.0 LITRES (1.6 GAL) PER FLUSH.	BEMIS 2155SSCT	SEAT: WHITE, ELONGATED, OPEN FRONT, LESS COVER, MOL SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
1	WATER CLOSET FLUSH VALVE, HANDS FREE (REFER TO ALTERNATE PRICE)		3	, i	AMERICAN STANDARD MADERA 2234.001 KOHLER WELLCOMME ZURN	VITREOUS CHINA, SIPHON JET, ELONGATED RIM, TOP SPUD FOR FLUSH VALVE, BOLT CAP, BOTTOM OUTLET, FLOOR—MOUNTED, 12" ROUGH—IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.6 gal) PER FLUSH. WAY, MAXIMUM 6 litres (1.6 gal) PER FLUSH.	EXPOSED, POLISHED CHROME PLATTED, DIAPHRAGM TYPE FLUSH VALVE WITH 25mm (1") SCREWDRIVER ANGLE STOP, MOTORIZED ACTUATOR, AUTOMATIC SENSOR WITH MANUAL PUSH BUTTON OVERRIDE IN VALVE, VACUUM BREAKER ADJUSTABLE TAIL PIECE, AUTOMATIC 8 HR COURTESY FLUSH, FLUSH CONNECTION & COUPLING FOR 40mm (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS. BATTERY OPERATED C/W 4 'C' CELL BATTERIES, VANDAL RESISTANT SCREWS, FLUSH CYCLE SET FOR 6.0 LITRES (1.6 GAL) PER FLUSH.	SEAT: BEMIS 2155SSCT CENTOCO AM500STSCCSS	SEAT: WHITE, ELONGATED, OPEN FRONT, LESS COVER, MOI SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
	URINAL MANUAL FLUSH 3/4 VALVE (BASE BID)		2		AMERICAN STANDARD WASHBROOK 6590.001 KOHLER BARDON ZURN	VITREOUS CHINA, WASHOUT TYPE, INTEGRAL FLUSHING RIM, EXTENDED SHIELDS, INTEGRAL TRAP, BACK OUTLET, WALL—MOUNTED, TOP SUPPLY SPUD, MIN 2" TRAP WAY, MAXIMUM 3.8 litres (1.0 gal) PER FLUSH. C/W FLOOR MOUNTED CARRIER MOEN 8312M10 DELTA ZURN SLOAN	POLISHED CHROME PLATED VANDAL RESISTANT METAL COVER, OSCILLATING HANDLE, RIGHT OR LEFT—HAND SUPPLY INSTALLATION, TOP SPUD, WALL AND SPUD ESCUTCHEONS, FLUSH CYCLE SET 3.8 LITRE (1.0 GAL.)		
	URINAL FLUSH VALVE, HANDS FREE (REFER TO ALTERNATE PRICE)		2		AMERICAN STANDARD WASHBROOK 6590.001 KOHLER BARDON ZURN	VITREOUS CHINA, WASHOUT TYPE, INTEGRAL FLUSHING RIM, EXTENDED SHIELDS, INTEGRAL TRAP, BACK OUTLET, WALL-MOUNTED, TOP SUPPLY SPUD, MIN 2" TRAP WAY, MAXIMUM 3.8 litres (1.0 gal) PER FLUSH. C/W FLOOR MOUNTED CARRIER MOEN 8312 DELTA 81T231-WMSBT ZURN SLOAN	POLISHED CHROME PLATED VANDAL RESISTANT METAL COVER WITH BATTERY OPERATED IN VALVE SENSOR, TOP SPUD, WALL AND SPUD ESCUTCHEONS, RIGHT OR LEFT—HAND SUPPLY INSTALLATION, AUTOMATIC OPERATION POWERED SENSOR. INFRARED SENSOR TO HAVE A RANGE ADJUSTMENT OF 305MM — 711MM (12"—28") AND ELECTRONIC MANUAL OVERRIDE BUTTON. FLUSH CYCLE SET 3.8 LITRE (1.0 GAL.)		
	WALL MOUNTED LAV 1/2 1/2 MANUAL FAUCET (BASE BID)	1	1/4		AMERICAN STANDARD MURRO KOHLER ZURN	WALL-HUNG SINK, VITREOUS CHINA, WITH SPLASH LIP, SUPPLY OPENINGS ON 100 MM (4") CENTRES, OVERFLOW. SIZE: 540 MM X 520 MM (21 1/4" X 20 1/2"). PROVIDE KNEE CONTACT GUARD. MOEN COMMERCIAL 8215F15 DELTA ZURN	CHROME PLATED BRASS, INDEXED BLADE HANDLES, WASHERLESS, AERATOR, AND DECK PLATE. PROVIDE ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 5.7 L/MIN (1.5 GPM) AT 413 KPA (60 PSI).		WASTE FITTING: OPEN GRID STRAINER. PROVIDE FLOOR MOUNTED WALL CARRIER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-1 POWERS LM490 OR EQUAL.
	WALL MOUNTED LAV ELECTRONIC FAUCET (REFER TO ALTERNATE PRICE)	1	1/4		AMERICAN STANDARD MURRO KOHLER ZURN	WALL-HUNG SINK, VITREOUS CHINA, WITH SPLASH LIP, SUPPLY OPENINGS ON 100 MM (4") CENTRES, OVERFLOW. SIZE: 540 MM X 520 MM (21 1/4" X 20 1/2"). PROVIDE KNEE CONTACT GUARD. MOEN COMMERCIAL 830 DELTA 591T1230 ZURN Z6915-XL	1 BATTERY OPERATED ELECTRONIC FAUCET. CAST BRASS ONE PIECE BODY WITH INTEGRAL WATER PROOF INFRA—RED SENSOR AND CONNECTOR. ADJUSTABLE SENSING RANGE 76mm TO 381mm (3" TO 15") AND TIME OUT 15 TO 75 SECONDS CHROME FINISH. VANDAL RESISTANT AERATOR HAVING INTEGRAL FLOW CONTROL FOR 0.5gpm (1.9 L/MIN) @ 413 KPA (60 PSI) MAX. AUDIBLE LOW BATTERY INDICATOR. UNDER COUNTER PLASTIC SURFACE MOUNTED HOUSING FOR SOLENOID AND CONTROLLER. SENSOR ACTIVATES IN PRESENCE OF PERSON'S HANDS IN LAVATORY.		WASTE FITTING: OPEN GRID STRAINER. PROVIDE FLOOR MOUNTED WALL CARRIER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070— POWERS LM490 OR EQUAL.
	B.F. WALL MOUNTED 1/2 1/2 MANUAL LAV (BASE BID)	1	1/4		AMERICAN STANDARD MURRO KOHLER ZURN	WALL-HUNG SINK, VITREOUS CHINA, WITH SPLASH LIP, SUPPLY OPENINGS ON 100 MM (4") CENTRES, OVERFLOW. SIZE: 540 MM X 520 MM (21 1/4" X 20 1/2"). PROVIDE KNEE CONTACT GUARD. MOEN COMMERCIAL 8215F15 DELTA ZURN	CHROME PLATED BRASS, INDEXED BLADE HANDLES, WASHERLESS, AERATOR, AND DECK PLATE. PROVIDE ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 5.7 L/MIN (1.5 GPM) AT 413 KPA (60 PSI).	MCGUIRE PROWRAP PWV8902	INSULATION: INSULATE WASTE AND SUPPLIES WITH UL LIS PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLE JACKET. WASTE FITTING: NPS 32 MM (1½") OFFSET WASTE WITH GRID STRAINER. PROVIDE FLOOR MOUNTED WALL CARRIER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070—POWERS LM490 OR EQUAL.
:	B.F. WALL MOUNTED 1/2 1/2 LAV ELECTRONIC FAUCET (REFER TO ALTERNATE PRICE)	1	1/4		AMERICAN STANDARD MURRO KOHLER ZURN	WALL-HUNG SINK, VITREOUS CHINA, WITH SPLASH LIP, SUPPLY OPENINGS ON 100 MM (4") CENTRES, OVERFLOW. SIZE: 540 MM X 520 MM (21 1/4" X 20 1/2"). PROVIDE KNEE CONTACT GUARD. MOEN COMMERCIAL 830 DELTA 591T1230 ZURN Z6915-XL	INTEGRAL WATER PROOF INFRA—RED SENSOR AND CONNECTOR. ADJUSTABLE SENSING RANGE 76mm TO 381mm (3" TO 15") AND TIME OUT 15 TO 75	INSULATION: MCGUIRE PROWRAP PWV8902 TRUEBRO LAV GUARD	INSULATION: INSULATE WASTE AND SUPPLIES WITH UL LIS PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLE JACKET. WASTE FITTING: NPS 32 MM (1½") OFFSET WASTE WITH GRID STRAINER. PROVIDE FLOOR MOUNTED WALL CARRIER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070—POWERS LM490 OR EQUAL.
1	DECK LAVATORY MANUAL FAUCET (BASE BID)	1	1/2		BRADLEY EXD—3N (NO ALTERNATES)	WALL HUNG BARRIER FREE THREE STATION, CONTINUOUS BOWL, VANDAL RESISTANT TERREON SOLID SURFACE MATERIAL, CENTERSHANK, STANDARD FRAME, THERMOSTATIC MIXING ASSEMBLY. ALLOW FOR PREMIUM DESIGNER COLOUR SELECTION BY ARCHITECT. MOEN COMMERCIAL 8215F15 DELTA ZURN	CHROME PLATED BRASS, INDEXED BLADE HANDLES, WASHERLESS, AERATOR, AND DECK PLATE. PROVIDE ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 5.7 L/MIN (1.5 GPM) AT 413 KPA (60 PSI). (THREE FAUCETS REQUIRED)		WASTE FITTING: NPS 32 MM (11/4") OFFSET WASTE WITH (STRAINER. (THREE REQUIRED) PROVIDE FLOOR MOUNTED WALL CARRIER
1	DECK LAVATORY ELECTRONIC FAUCET (REFER TO ALTERNATE PRICE)	1	1/2		BRADLEY EXD—3N (NO ALTERNATES)	WALL HUNG BARRIER FREE THREE STATION, CONTINUOUS BOWL, VANDAL RESISTANT TERREON SOLID SURFACE MATERIAL, CENTERSHANK, STANDARD FRAME, THERMOSTATIC MIXING ASSEMBLY. ALLOW FOR PREMIUM DESIGNER COLOUR SELECTION BY ARCHITECT. MOEN COMMERCIAL 8301 DELTA 591T1230 ZURN Z6915-XL	BATTERY OPERATED ELECTRONIC FAUCET. CAST BRASS ONE PIECE BODY WITH INTEGRAL WATER PROOF INFRA—RED SENSOR AND CONNECTOR. ADJUSTABLE SENSING RANGE 76mm TO 381mm (3" TO 15") AND TIME OUT 15 TO 75 SECONDS CHROME FINISH. VANDAL RESISTANT AERATOR HAVING INTEGRAL FLOW CONTROL FOR 0.5gpm (1.9 L/MIN) @ 413 KPA (60 PSI) MAX. AUDIBLE LOW BATTERY INDICATOR. UNDER COUNTER PLASTIC SURFACE MOUNTED HOUSING FOR SOLENOID AND CONTROLLER. SENSOR ACTIVATES IN PRESENCE OF PERSON'S HANDS IN LAVATORY. (THREE FAUCETS REQUIRED)		WASTE FITTING: NPS 32 MM (11/4") OFFSET WASTE WITH (STRAINER. (THREE REQUIRED) PROVIDE FLOOR MOUNTED WALL CARRIER
1	MOP SINK 1/2 1/2		3		FIAT MSB 2424 STERN WILLIAMS MTB-2424	SINK: MOLDED HIGH DENSITY COMPOSITE BASIN WITH 80 mm (3") CHROME PLATED CAST BRASS DOME STRAINER AND GASKETED OUTLET CONNECTION. OVERALL SIZE: 600 mm X 600 mm X 250 mm HIGH (24" X 24" X 10").	WALL MOUNTED FAUCET: CHROME PLATED CAST BRASS WALL MOUNTED FAUCET WITH WALL BRACE, 20 mm (3/4") THREADED OUTLET SPOUT WITH PAIL HOOK, 200 mm (8") CENTRESET LEVER HANDLES, VACUUM BREAKER, ESCUTCHEONS, UNION INLETS, AERATOR, & INTEGRAL STOP VALVES. PROVIDE ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 I/min (2.2 gpm) AT 413 KPA (60 psi).	FIAT ZURN STERN WILLIAMS DELTA	HOSE AND HOSE BRACKET: 1200 mm (48") LONG RUBB HOSE MOP HANGER WALL GUARD: STAINLESS STEEL 600 mm (24") HIGH CONTINUOUS ON ADJACENT WALLS.
2	MOP SINK 1/2 1/2		3		FIAT TSBCR1100 (NO ALTERNATES)	SINK: PRECAST POLISHED TERRAZZO BASIN WITH 80 mm (3") CHROME PLATED CAST BRASS DOME STRAINER, CURVED FRONT, 300mm (12") HIGH SHOULDERS, 150mm (6") DROP FRONT, AND GASKETED OUTLET CONNECTION. FIAT 830-AA ZURN Z842M1-5H DELTA 28T9	WALL MOUNTED FAUCET: CHROME PLATED CAST BRASS WALL MOUNTED FAUCET WITH WALL BRACE, 20 mm (3/4") THREADED OUTLET SPOUT WITH PAIL HOOK, 200 mm (8") CENTRESET LEVER HANDLES, VACUUM BREAKER, ESCUTCHEONS, UNION INLETS, AERATOR, & INTEGRAL STOP VALVES. PROVIDE ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 I/min (2.2 gpm) AT 413 KPA (60 psi).		HOSE AND HOSE BRACKET: 1200 mm (48") LONG RUBB HOSE MOP HANGER WALL GUARD: SATIN STAINLESS STEEL FINISH 600 mm (: HIGH CONTINUOUS ON ADJACENT WALLS. EXTEND TO COV 50mm HORIZONTAL BUMP OUT AT MOPSINK EDGE. STAINLESS STEEL CAP ON THRESHOLD
	SINGLE DRINKING 1/2 FOUNTAIN	1	1/4	1 1/4	ELKAY EDFP210C	NON-REFRIGERATED, 18 GAUGE TYPE 304 STAINLESS STEEL CONSTRUCTION WITH VANDAL-RESISTANT BOTTOM, INTEGRAL BACK, STRAINER, ACCESS PANEL AND GRILLE, ELEVATED BUBBLER BASES. CHROME PLATED BRASS BUBBLER, PUSH-BUTTON OPERATOR, SELF-REGULATING, ANGLE STREAM, SQUIRT-PROOF, WITH NOZZLES AND GUARDS. PROVIDE STAINLESS STEEL BOTTOM PANEL.			PROVIDE FLOOR MOUNTED WALL CARRIER
	SINGLE BOTTLE FILLER 1/2	1	1/4	1 1/4	ELKAY EZH20 EZWSSM	NON-REFRIGERATED, 18 GAUGE TYPE 304 STAINLESS STEEL CONSTRUCTION WITH ELECTRONIC SENSOR ACTIVATED BOTTLE FILLER, GREEN TICKER, INTEGRAL BACK, STRAINER, STAINLESS STEEL BOTTOM PANEL, SQUIRT PROOF. SUITABLE FOR 120/1/60.			PROVIDE FLOOR MOUNTED WALL CARRIER
	WASH FOUNTAIN (BASE BID) 1/2 1/2	1	1/2	1 1/4	BRADLEY TERREON MF2922	CORNER MOUNTED BARRIER FREE TERREON BOWL. ALL EXPOSED COMPONENTS TO BE STAINLESS STEEL. SUITABLE FOR TWO (2) USERS. STANDARD PEDESTAL HEIGHT. C/W BACKSPLASH. TRIM: AIR-METERED CONTROL, AT EACH INDIVIDUAL USER, MOLDED SPRAYHEAD, STOP VALVES, HORIZONTAL SWING CHECK VALVES, THERMOSTATIC MIXING VALVE PRESET AT 40°C. NO SOAP DISPENSER. COLOUR BY ARCHITECT.			
	WASH FOUNTAIN ELECTRONIC (REFER TO ALTERNATE PRICE)	1	1/2	1 1/4	BRADLEY TERREON MF2922	CORNER MOUNTED BARRIER FREE TERREON BOWL. ALL EXPOSED COMPONENTS TO BE STAINLESS STEEL. SUITABLE FOR TWO (2) USERS. STANDARD PEDESTAL HEIGHT. C/W BACKSPLASH. TRIM: INFRARED CONTROLLED, AT EACH INDIVIDUAL USER, MOLDED SPRAYHEAD, STOP VALVES, HORIZONTAL SWING CHECK VALVES, THERMOSTATIC MIXING VALVE PRESET AT 40°C. NO SOAP DISPENSER. SUITABLE FOR 120 V/1/60 COMPLETE WITH CLASS II 120/24V PLUG IN TRANSFORMER. COLOUR BY ARCHITECT.			
	EYE WASH 1/2 1/2	1	1/4		HAWS 7260BT-7270BT BRADLEY S19-220 GUARDIAN G1750P-TMV	250 MM (10") DIAMETER IMPACT RESISTANT BOWL CHROME PLATED BRASS SPRAY HEADS COMPLETE WITH COVERS, AND WALL MOUNTING BRACKET. TEPID WATER MIXING VALVE MEETING REQUIREMENTS OF ANSI STANDARD Z358.1—2004. MIXING VALVE IS TO PROVIDE WATER TEMPERATURE BETWEEN 15.5°C (60°) AND 38°C (100°F). 15 MM (1/2") CHROME PLATED BRASS STAY OPEN BALL VALVE COMPLETE WITH PUSH HANDLE.		HAWS TWBS.EWE BRADLEY S19-2000 GUARDIAN G3600	TEMPERING VALVE TO BLEND HOT AND COLD WATER TO DELIVER TEPID WATER. AS REQUIRED BY ANSI Z358.1

MECHANICAL SPECIFICATION

PART A GENERAL NOTES

- PROVIDE LABOUR, MATERIAL AND EQUIPMENT REQUIRED TO PROVIDE A COMPLETE INSTALLATION WITH QUALITY WORKMANSHIP ACCEPTABLE TO OWNER AND
- . OBTAIN ALL PERMITS AND PAY ALL TAXES, FEES, AND OTHER COSTS INCURRED WITH THIS WORK. FILE ALL PLANS. OBTAIN ALL NECESSARY APPROVALS. CERTIFICATES. SUBMIT ALL FINAL CERTIFICATES TO THE CONSULTANT. COMPLY WITH RULES AND RECOMMENDATIONS OF THE BOARD OF FIRE UNDERWRITERS, THE CANADIAN GAS ASSOCIATION, THE LOCAL BUILDING CODE, AND ALL REQUIREMENTS OF THE LOCAL UTILITY COMPANY AND BY-LAWS. POST BUILDING PERMIT AT SITE IN ACCORDANCE WITH O.B.C. REQUIREMENTS.
- VISIT THE SITE BEFORE SUBMITTING TENDERS TO EVALUATE ANY SITE CONDITIONS THAT MIGHT ARISE. INCLUDE ALL SITE CONDITIONS IN TENDER, EXTRAS WILL NOT BE ACCEPTED UNLESS BELIEVED TO BE REASONABLE BY THE OWNER AND CONSULTANT. . COORDINATE WITH OTHER CONTRACTORS INSTALLING EQUIPMENT OR MATERIAL AND ARRANGE EQUIPMENT IN PROPER RELATION WITH ALL OTHER TRADES. ENSURE
- SYSTEMS ARE SERVICEABLE.
- . CUTTING AND PATCHING SHALL BE BY THE CONTRACTOR REQUIRED TO INSTALL THE THE DRAWINGS ARE DIAGRAMMATIC. THE SERVICES SHALL BE INSTALLED TO
- CONSERVE HEADROOM AND INTERFERE AS LITTLE AS POSSIBLE WITH THE FREE USE OF THE SPACES THROUGH WHICH THEY PASS. PROVIDE TWO MARKED COPIES OF "AS-BUILT DRAWINGS" SHOWING THE SYSTEM AS INSTALLED. THE CONTRACTOR WILL INCLUDE IN HIS TENDER \$150.00 FOR DEI & ASSOCIATES INC. TO CAD THE RED-LINE RECORD DRAWINGS. THE CAD DRAWINGS
- FILES WILL BE PROVIDED TO THE OWNER AS PART OF THE MAINTENANCE MANUALS. 9. WHERE WORK INVOLVES BREAKING INTO OR CONNECTING TO EXISTING SERVICES, 8. THE MECHANICAL SYSTEMS OF THIS BUILDING MUST ACHIEVE THE ENERGY EFFICIENCY LEVELS BY CONFORMING TO ANSI/ASHRAE/IESNA 90.1 "ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS" AND CHAPTER 2 OF DIVISION 3 OF SB-10 PRESCRIPTIVE METHOD FROM THE ONTARIO BUILDING 10. WHERE UNKNOWN SERVICES ARE ENCOUNTERED, IMMEDIATELY ADVISE CONSULTANT
- ALL EQUIPMENT AND MATERIAL SHALL BE NEW. REPLACE ALL DAMAGED EQUIPMENT. IO. MATERIAL AND EQUIPMENT ARE NAMED IN THE SPECIFICATION TO ESTABLISH AN ACCEPTABLE STANDARD OF MATERIALS AND THE QUALITY OF WORKMANSHIP BY WHICH TO ADHERE.
- . SUBMIT SIX (6) COPIES OF SHOP DRAWINGS FOR ALL EQUIPMENT. THESE WILL BE REVIEWED BY THE CONSULTANT. RESUBMIT AS OFTEN AS MAY BE FOUND NECESSARY. SUBMIT ONE COMPLETE SUBMISSION IN A 3 RING BINDER INDEXED AND LABELED FOR THIS PROJECT. 2. PROVIDE ALL NECESSARY PROTECTION FOR FINISHED OR UNFINISHED WORK. ALL

OPENINGS IN PIPES, DUCTS AND EQUIPMENT SHALL BE CAPPED TO ENSURE

5. PROVIDE STRUCTURAL SUPPORTS, PLATFORMS, SUPPORTING RODS, HANGERS,

INSERTS AND BRACKETS FOR EQUIPMENT AND SERVICES. DO NOT SUPPORT

SERVICES ARE KEPT CLEAN WHEN NOT IN USE.

- 3. MAINTAIN INSURANCE TO FULLY PROTECT THE CONTRACTOR, OWNER AND CONSULTANT FROM ANY AND ALL CLAIMS SUCH AS UNDER THE WORKMEN'S COMPENSATION ACT, ETC. POST PROJECT NOTIFICATION AT THE SITE IN ACCORDANCE WITH THE MINISTRY OF LABOUR REQUIREMENTS.
- 14. EXCAVATION AND BACK FILLING SHALL BE BY THE TRADE INSTALLING THE SERVICE. PROVIDE COMPACTED 'A' GRAVEL FOR BEDDING AND BACKFILLING AS INDICATED. REMOVE SURPLUS MATERIAL FROM SITE.
- SERVICES FROM STEEL DECK. 6. INSTRUCT THE OWNER'S STAFF IN THE CARE, MAINTENANCE AND OPERATION OF THE
- 7. SUBMIT THREE (3) COPIES OF OPERATING AND MAINTENANCE INSTRUCTIONS IN A 3 RING BINDER LABÉLED FOR THE PROJECT. 18. REMOVE ALL PROTECTIVE COVERINGS, CLEAN AND POLISH ALL EQUIPMENT, FREE
- ALL OBSTRUCTIONS, CLEAN AND REPLACE ALL FILTERS WITH NEW, AND LEAVE ALL KEYS AND WRENCHES WITH THE OWNER. 19. ALL SURPLUS AND WASTE MATERIALS SHALL BE PROMPTLY REMOVED FROM THE
- 20. ALL AREAS NOT AFFECTED BY RENOVATION OR DEMOLITION SHALL REMAIN AS PRESENTLY INSTALLED UNLESS NOTED OTHERWISE
- 1. THE OWNER WILL DECIDE WHICH ITEMS OR EQUIPMENT SLATED FOR REMOVAL THAT THEY WISH TO RETAIN AS THEIR PROPERTY AND THIS CONTRACTOR SHALL REMOVE ALL OTHER MATERIALS FROM THE PREMISES. 22. PROVIDE LAMICOID TAGS FOR IDENTIFICATION OF NEW EQUIPMENT ADDED. 23. ALL ELECTRICAL LINE AND LOW VOLTAGE WIRING WHICH IS TO BE PROVIDED BY THE
- MECHANICAL CONTRACTOR AS SPECIFIED ELSEWHERE HEREIN SHALL BE RUN IN EMT CONDUIT TO STANDARDS OF DIVISION 16000. 24. WARRANTY ALL MATERIAL AND EQUIPMENT FOR A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE OF SYSTEM.
- 25. VIDEO RECORDING OF NEW & EXISTING UNDERGROUND SERVICES PRIOR TO FINAL ACCEPTANCE OF THE NEW UNDERGROUND PLUMBING SYSTEM AND PRIOR TO POURING THE FLOOR THIS CONTRACTOR SHALL RETAIN A QUALIFIED CONTRACTOR TO VIDEO TAPE THE NEW, EXISTING AND REVISED SANITARY AND STORM DRAINAGE PIPING AND BRANCH PIPING. TRANSFER ALL VIDEOTAPE INFORMATION TO DVD. THIS CONTRACTOR SHALL FLUSH THE NEW AND EXISTING STORM AND SANITARY SYSTEM TO REMOVE ALL DEBRIS PRIOR TO FINAL VIDEO TAPING OF SYSTEMS. PROVIDE 3 COPIES OF DVD. IDENTIFY VIDEO ROUTING ON
- 26. LOCATION OF EXISTING UNDERGROUND SERVICES THIS CONTRACTOR SHALL LOCATE EXISTING SERVICES PRIOR TO STARTING ANY WORK IN THE AFFECTED AREA. THIS CONTRACTOR SHALL USE A VIDEO CAMERA FOR THE EXISTING STORM AND/OR SANITARY DRAINAGE AT THE INDICATED CONNECTION POINT TO CONFIRM LOCATION, SIZE AND INVERT OF THE EXISTING PIPING.

RECORD DRAWINGS.

- 27. EXISTING CONCRETE SLAB X-RAY/SCANNING THIS CONTRACTOR SHALL RETAIN THE SERVICES OF A QUALIFIED COMPANY TO PROVIDE AND X-RAY AND/OR SCAN OF THE EXISTING BURIED SERVICES IN WALL AND/OR FLOORS PRIOR TO STARTING ANY WORK IN THE AFFECTED AREA. FAILURE TO LOCATE EXISTING PIPING, CONDUIT REBAR ETC., SHALL NOT RELIEVE THIS CONTRACTOR OF REPAIR OF SAME PRIOR TO INSTALLING HIS SERVICE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS AND/OR REPLACEMENT OF EXISTING SERVICES CAUSED BY CUTTING THE EXISTING CONCRETE SLABS AND/OR
- 28. EXCAVATING AND BACKFILLING PROVIDE ALL EXCAVATING AND BACKFILLING INSIDE AND OUTSIDE THE BUILDING FOR PLUMBING PIPES, DRAINS AND EQUIPMENT. ALL BACKFILLING SHALL BE NEW CLEAN GRANULAR 'A' FILL BROUGHT IN SPECIFICALLY FOR THE PURPOSE OF BACKFILLING TO THE UNDERSIDE OF FLOOR SLAB. ALL BACKFILLING SHALL BE COMPACTED AT INTERVALS NOT MORE THAN 150 MM (6") LAYER TO THE SATISFACTION OF THE CONSULTANT. PROVIDE EXCAVATING AND BACKFILLING OUTSIDE THE BUILDING WITH GRANULAR A BROUGHT IN SPECIFICALLY FOR BACKFILLING TO A MINIMUM OF 450 MM (18") OVER THE PIPE. BACKFILLING OUTSIDE BUILDING OVER AND ABOVE THE 450 MM (18") BACKFILL AS PREVIOUSLY SPECIFIED HEREIN SHALL BE BY THE MECHANICÀL CONTRACTOR AS SPECIFIED UNDER DIVISION 2. WHERE BACKFILLING OUTSIDE THE BUILDING IS NOT SPECIFIED UNDER DIVISION 2 THE MECHANICAL CONTRACTOR SHALL PROVIDE NEW CLEAN GRANULAR 'A' FILL TO GRADE LEVEL. BOTTOMS OF TRENCHES SHALL BE EXCAVATED SO THAT THE PIPE WILL BE SUPPORTED ON A 150 MM (6") COMPACTED BED OF CLEAN GRANULAR 'A' FILL. PROVIDE ALL NECESSARY PUMPING TO MAINTAIN EXCAVATION FREE OF WATER. SHOULD WATER BE ENCOUNTERED DURING EXCAVATION, THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL LABOUR AND MATERIAL, INCLUDING ALL EQUIPMENT REQUIRED FOR DEWATERING THE EXCAVATION. AFTER THE WATER HAS BEEN REMOVED, THIS CONTRACTOR SHALL INSTALL A 300 MM (12") BASE OF COMPACTED 50 MM (2") CLEAR STONE COVERED WITH FILTER CLOTH BEFORE INSTALLING BACKFILL AS DETAILED AND/OR AS SPECIFIED. BE RESPONSIBLE FOR ALL WEATHER PROTECTION REQUIRED TO INSTALL PIPING AND/OR EQUIPMENT TO THE SATISFACTION OF THE CONSULTANT. BE RESPONSIBLE FÓR PROVIDING ALL CLEAR STONE OR GRANULAR 'A' MATERIAL SUITABLE FOR APPLICATION TO REPLACE EXISTING SOIL NOT SUITABLE FOR BACKFILLING ABOVE THE 450 MM (18") BEDDING
- PROVIDE SCHEDULE 40 STEEL PIPE SLEEVES AT POINTS WHERE PIPES PASS THROUGH MASONRY, CONCRETE OR FIRE RATED ASSEMBLIES AND AS INDICATED. GROUT SLEEVES IN PLACE. MINIMUM 6 MM (1/4") CLEARANCE ALL AROUND, BETWEEN SLEEVE AND UN-INSULATED PIPE OR BETWEEN SLEEVE AND INSULATION. CAULK BETWEEN SLEEVE AND PIPE IN FOUNDATION WALLS AND BELOW GRADE FLOORS WITH WATERPROOF FIRE RETARDANT NON-HARDENING MASTIC. WHERE SLEEVES PASS THROUGH WALLS OR FLOORS. PROVIDE SPACE FOR FIRESTOPPING. WHERE PIPES PASS THROUGH FIRE RATED WALLS, FLOORS AND PARTITIONS, MAINTAIN FIRE RATING INTEGRITY. ENSURE NO CONTACT BETWEEN COPPER TUBE OR PIPE AND FERROUS SLEEVE. FILL FUTURE—USE SLEEVES WITH LIME PLASTER OR OTHER EASILY REMOVABLE FILLER. COAT EXPOSED EXTERIOR SURFACES OF FERROUS SLEEVES WITH HEAVY APPLICATION OF ZINC RICH PAINT TO CGSB

AND EFFICIENT MANNER.

AND THEN RESTORED TO MATCH EXISTING.

AND CONFIRM FINDINGS IN WRITING.

- PART B DEMOLITION NOTES THIS PROJECT IS ONE OF A RETROFIT NATURE IN PART, AND WHICH WILL REQUIRE SOME DEMOLITION. ALLOW FOR ALL REMEDIAL WORK IN AREAS INDICATED ON THE
- DRAWINGS AND AS GENERALLY DEFINED IN THE RELEVANT SECTIONS OF THE THE SCOPE OF WORK IS ESSENTIALLY THE SELECTED DISCONNECTION AND/OR REMOVAL OF SERVICES AND/OR EQUIPMENT, PIPING ETC. AS INDICATED OR

5. THE GENERAL EXECUTION OF THE DEMOLITION IS TO BE CARRIED OUT IN A CLEAN

DEMOLITION OF EXISTING CEILING, WALLS ETC., TO FACILITATE REMOVAL OF EXISTING

SERVICES OR EQUIPMENT OR INSTALLATION OF NEW TO BE KEPT TO A MINIMUM

WHICH ARE NOT BEING REUSED ARE TO BE PATCHED WITH THE SAME MATERIAL

OCCURRING AS A RESULT OF THE WORK OF THIS DIVISION SHALL BE REPAIRED OR

CARRY OUT WORK AT TIMES DIRECTED BY THE OWNERS IN AN EXPEDIENT MANNER

11. WHERE THE LOCATION OF ANY SERVICES HAS BEEN SHOWN ON THE PLANS, SUCH

EXISTING CONDITIONS IS NOT DONE AT THE OUTSET AND ANY PROBLEMS ARISE,

ACCEPTANCE OF SAME. REMOVE ALL EQUIPMENT FROM SITE WHICH THE OWNER

CONFINES OF THE WORK AREA AND IN SUCH A WAY AS THE DUST PRODUCED AND

15. MAINTAIN EQUIPMENT TO BE RETAINED BY OWNER ON SITE WHERE DIRECTED BY

FOR ANY REASON THE INFORMATION OBTAINED NECESSITATES CHANGES IN PROCEDURE OR DESIGN, ADVISE THE CONSULTANT AT ONCE. IF VERIFICATION OF

THE RESPONSIBILITY FOR SAME IS ENTIRELY THIS DIVISION'S.

13. CAP AND CONCEAL ALL REDUNDANT AND OBSOLETE CONNECTIONS.

MINIMUM REQUIRED TO COMPLETE THE WORK.

PROVINCIAL REGULATIONS.

PART C PLUMBING NOTES

CODES AND REGULATIONS

FLUSHING AND DISINFECTING

SERVICE CONNECTIONS.

LATEST EDITION.

AND/OR PROVINCIAL REGULATIONS.

OF SECURITY BETWEEN BUILDING USERS AND THE WORK.

OF FIXTURES PRIOR TO COMMENCEMENT OF DEMOLITION.

12. DISCONNECT AND/OR REMOVE EQUIPMENT PIPING, ETC. AS INDICATED.

14. PROVIDE A LIST OF EQUIPMENT TO BE REMOVED TO THE OWNER, FOR HIS

16. DEMOLITION OF ALL PARTS OF THE WORK MUST BE COMPLETED WITHIN THE

RISK TO INJURY OF WILL NOT ADVERSELY AFFECT THE BUILDING USERS.

17. DEMOLISHED AREAS OF THE EXISTING BUILDING WILL REMAIN IN THEIR CURRENT USE IN SOME CASES. DEMOLITION IN THESE AREAS MUST BE KEPT TO THE

18. DEMOLITION SHALL TAKE PLACE WITHIN AREAS ISOLATED FROM ALL OTHER AREAS WITH APPROPRIATE HOARDING. SCAFFOLDING, NETTING, FENCING OR OTHER MEANS

20. ALL PIPING AND EQUIPMENT TO BE REMOVED AND/OR ABANDONED SHALL BE

21. DRAIN ALL EXISTING PIPING AND DRAINAGE SYSTEMS INCLUDING ALL RELATED

EQUIPMENT AS REQUIRED TO FACILITATE SYSTEM RENOVATIONS.

DRAINED PRIOR TO CAPPING AND/OR ABANDONING. DISPOSAL OF ALL LIQUIDS SHALL BE TO THE APPROVAL OF AUTHORITY OF HAVING JURISDICTION AND/OR

22. DISPOSAL OF EXISTING SYSTEM SHALL BE TO THE REQUIREMENTS OF THE LOCAL

CONTRACTOR TO PROVIDE POTABLE WATER CERTIFICATE FOR E. COLI AND COLIFORM

FROM A RECOGNIZED TESTING LABORATORY UPON COMPLETION OF THE PROJECT.

SANITARY, SOIL WASTE, VENT, AND ALL WATER PIPING SHALL CONFORM AND BE

INSTALLED TO THE ONTARIO PLUMBING CODE AND THE CANADIAN PLUMBING CODE,

SANITARY PIPING: ALL SANITARY PIPING SHALL BE TESTED WITH WATER UNDER THE

GUIDANCE OF THE LOCAL PLUMBING INSPECTOR. SMOKE TESTS OR ANY OTHER

PIPING: ALL WATER PIPING SHALL BE TESTED TO 150 PSI. PRESSURE FOR NOT

PLUMBING SYSTEM. ENSURE A MINIMUM OF 90% OF PLUMBING FIXTURES ARE

MAINTAIN TESTABLE RP BACKFLOW PREVENTOR BETWEEN MUNICIPAL WATER AND NEW

FLOW OF POTABLE WATER TO PRODUCE A VELOCITY OF 1.5 M/S. WITHIN PIPE FOR

INSTALLED. FLUSH WATER MAINS THROUGH AVAILABLE OUTLETS WITH A SUFFICIENT

10 MIN, OR UNTIL FOREIGN MATERIALS HAVE BEEN REMOVED AND FLUSHED WATER S CLEAR WITH BACKFLOW PROTECTION. PROVIDE CONNECTIONS AND PUMPS FOR

FLUSHING AS REQUIRED. OPEN AND CLOSE VALVES, AND OPERATE FIXTURES TO

ENSURE THOROUGH FLUSHING. TAKE WATER SAMPLES AT REMOTE FIXTURES AND

STORM, SANITARY AND VENT DRAINS: (ABOVE GRADE), MEDIUM WEIGHT CAST IRON WITH MECHANICAL RUBBER JOINTS OR TYPE DWV COPPER PIPE. STORM, SANITARY AND VENT PIPING: (BELOW GRADE) PVC DRAINAGE PIPE TO SDR 35 WITH SOLVENT

WELDED JOINTS. ABS DRAINAGE PIPE WITH SOLVENT WELDED JOINTS. WATER PIPING:

ISOLATION VALVES: HOT AND COLD WATER BRONZE BODY, CLASS 150, STAINLESS STEEL BALL, FULL PORT, PTFE SEAT AND PACKING, STEEL LEVER HANDLE.

MILWAUKEE BA-455, CRANE, TOYO CHECK VALVES: HOT AND COLD WATER SIZES

1/2" DIAMETER TO 2" DIAMETER CRANE FIG. 1342, OR EQUAL JENKINS, BRONZE

CHECK VALVE, SCREWED ENDS ON VERTICAL PIPING. GAS VALVES: SHALL BE GSA

AIR CHAMBERS: SHALL BE ONE PIPE SIZE LARGER THAN THE BRANCH PIPE END

DRIP COCKS: SUPPLY AND INSTALL 1/2" DIAMETER MUELLER OR EQUAL DRAIN

SYSTEMS, ALL DRIP COCKS SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS.

VALVES AT ALL LOW POINTS IN THE WATER SYSTEMS TO COMPLETELY DRAIN THE

FIXTURES AS LISTED ON THE DRAWINGS. ALL FIXTURES MUST BE NEW AND CLEAN WHEN THE WORK IS TAKEN OVER BY THE OWNER. ALL PLUMBING FIXTURES SHALL BE EQUIPPED WITH SUPPLY VALVES, FAUCETS, TRAPS, SUPPORTS, WATER

CONNECTIONS, ESCUTCHEONS, HANGERS, BOLTS. ETC. FIXTURES SHALL BE CRANE OR EQUAL AMERICAN STANDARD, KOHLER. TRAPS: 2" DIAMETER AND SMALLER. SHALL BE CAST BRASS AND CHROME PLATED IN EXPOSED AREAS. ALL SINK TRAPS

SHALL BE TWO PIECE CONSTRUCTION. ALL TRIM MUST BE CAMBRIDGE BRASS OR

EQUAL. ON COMPLETION ALL FIXTURES, ACCESSORIES AND EXPOSED PIPING SHALL

THE PLUMBING INSPECTOR CAULK AROUND BASE OF ALL FIXTURES TO THE WALL

INSULATE ALL DOMESTIC HOT AND COLD WATER PIPING AND STORM PIPING ABOVE

GRADE. WITH 1" (FOR PIPING UNDER 1 1/2" DIAMETER) OR 1 1/2" (FOR PIPING 1

1/2" DIAMETER AND HIGHER) FIBERGLASS INSULATION WITH VAPOUR BARRIER. INSTALL AS PER MANUFACTURERS RECOMMENDATIONS. RECOVER EXPOSED PIPING WITH PVC JACKET. IDENTIFY PIPING C/W COLOUR CODED VINYL LABELS WITH BLACK

E THOROUGHLY CLEANED AND LEFT READY FOR USE. AFTER FINAL INSPECTION BY

SWING CHECK, SOLDER ENDS. CRANE FIG. 29 OR EQUAL JENKINS VERTICAL LIFT

TEST REQUIRED BY THE PLUMBING INSPECTOR SHALL ALSO BE MADE. WATER

WATER IS TO BE TAKEN FROM A NEW FIXTURE TO TEST THE NEW PIPING

CONNECT TO EXISTING SERVICES WHERE SHOWN ON DRAWINGS.

LESS THAN FOUR HOURS WITHOUT A LOSS IN PRESSURE

TYPE L COPPER WITH LEAD FREE SOLDER JOINTS.

APPROVED LUBRICATED PLUG TYPE.

OR FLOOR WITH SILICONE CAULKING.

AND AT LEAST 2'-0" HIGH.

8. DRAIN VALVES

19. CO-ORDINATE MAKING SAFE ELECTRICAL DEVICES, CAPPING PLUMBING AND REMOVAL

INFORMATION IS NOT GUARANTEED. IT IS THIS DIVISION'S RESPONSIBILITY TO VERIFY LOCATIONS, INVERT ELEVATIONS, ETC., IMMEDIATELY AFTER MOVING ON SITE. SHOULD

7. ALL OPENINGS OR HOLES CREATED BY REMOVAL OF EXISTING MECHANICAL SYSTEMS

8. PROTECT ALL EXISTING FURNISHINGS MATERIALS AND EQUIPMENT. ANY DAMAGE

WITH MINIMUM DISRUPTION TO THE FACILITY AND SYSTEMS DOWNTIME.

- REQUIRED TO COMPLETE THE WORK. UPON COMPLETION OF THE PROJECT OR UPON COMPLETION OF EACH INDIVIDUAL PHASE OF THE PROJECT THE CONTRACTORS SHALL PROVIDE TH THIS DIVISION IS TO LIAISE WITH THE OWNERS OR CONSULTANT FOR EQUIPMENT BEING REMOVED THAT MAY BE SUITABLE FOR REUSE TO THAT SPECIFIED OR THE CONSULTANT: HANDED OVER TO THE OWNER.
- FOLLOWING CERTIFICATES BEFORE CONFORMANCE LETTERS ARE ISSUED BY - POTABLE WATER TEST (SEE SPEC 15142/22 11 16 PART 3) - ELECTRICAL SAFETY AUTHORITY - FINAL INSPECTION CERTIFICATE THIS DIVISION TO TAKE FULL RESPONSIBILITY FOR ANY SPECIAL TOOLS OR EQUIPMENT REQUIRED TO DISASSEMBLE OR REMOVE MATERIAL FROM BUILDING.

GROUND FAULT

VENT PIPING HIGH IN JOIST SPACE.

GENERAL NOTES

SPECIFICATION.

ALL CERTIFICATES ARE TO BE SUBMITTED TOGETHER IN A SINGLE PACKAGE.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PREPARED

SANITARY VENT PIPING IS NOT SHOWN. PROVIDE ALL NECESSARY VENT PIPING

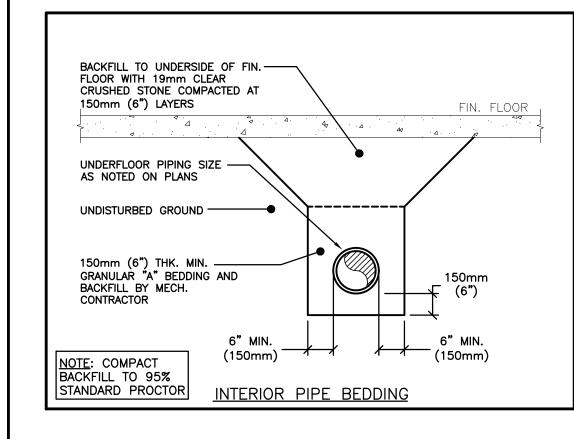
FROM ALL FIXTURES FOR A COMPLETE SYSTEM TO ALL LOCAL PLUMBING

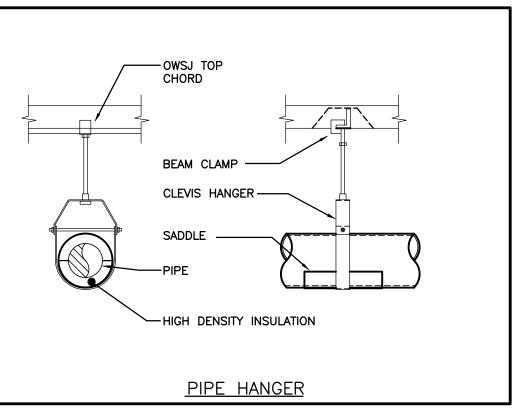
OR NEW VENTS AS REQUIRED. CO-ORDINATE VENT LOCATION(S) WITH

CODE & LOCAL AUTHORITY REQUIREMENTS, CONNECTED TO EXISTING VENTS

GENERAL CONTRACTOR. MAINTAIN MIN 14'-0" FROM ANY AIR INLET. INSTALL

LEGE	<u>ND</u>
Item	Description
	CUT EXISTING & CONNECT NEW PIPING
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	DOMESTIC HOT WATER RECIRC. PIPING
EX-SAN-	EXISTING SANITARY PIPING ABOVE FLOOR
EX-SAN-	EXISTING SANITARY PIPING BELOW FLOOR
SAN	SANITARY PIPING ABOVE FLOOR
——SAN——	SANITARY PIPING BELOW FLOOR
——EX-F——	STANDPIPE PIPING
	TEE CONNECTION
c —	PIPE DOWN
o —	PIPE UP
	SCREWED OR WELDED PIPE CAP
<u> </u>	BALL VALVE
•co	FLOOR CLEANOUT
AD	ACCESS DOOR
_	PANEL AS INDICATED
ER	INDICATED EXISTING ITEM TO REMAIN
D	INDICATES EXISTING ITEM TO BE DELETED
R	INDICATES EXISTING ITEM TO BE RELOCATED/IN RELOCATED POSITION





25 Rue Laurelcrest, Brampton, Ontario. Architect Snyder Architects Inc. 260 King St. E, Unit A101, Toronto, ON M5A 4L5 tel. 416.966.5444 fax. 416.966.4443 www.snyderarchitects.ca

Conseil scolaire

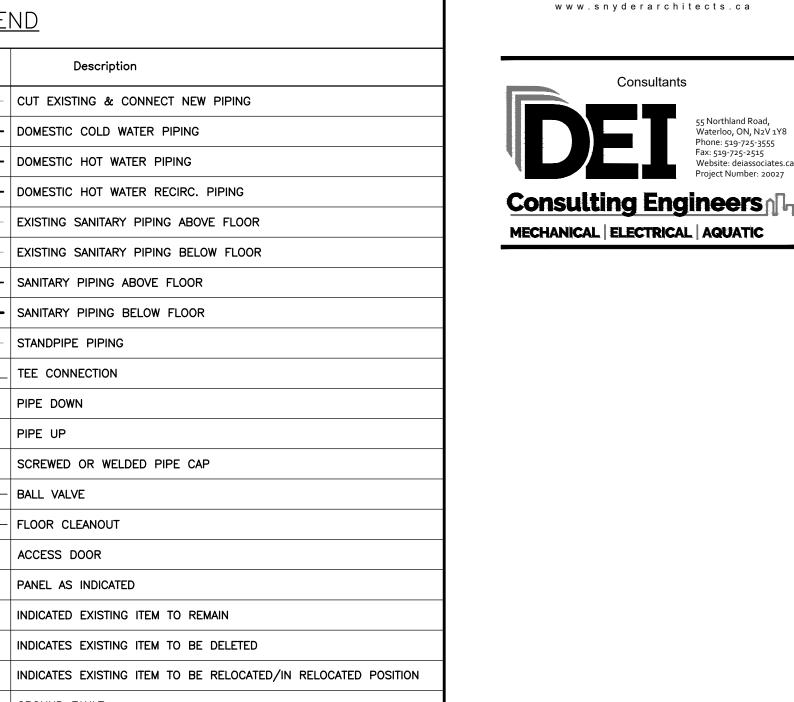
Centre-Sud

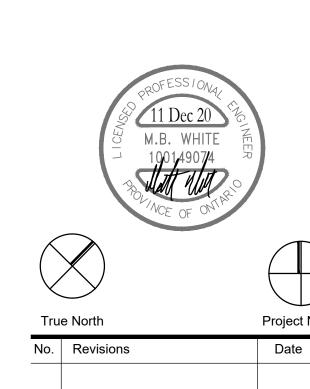
ÉCOLE ÉLÉMENTAIRE

SAINTE-JEANNE-D'ARC

Consultants

de district catholique





Project North Date 4 ISSUED FOR TENDER 2020/12/11 ISSUED FOR TENDER 2020/03/24 ISSUED FOR FINAL COORDINATION 2020/03/16 ISSUED FOR 80% COORDINATION 2020/02/28 The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction wil permit. Obtain approval for relocation of service from Consultant before commencement of the work The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Do not scale this drawing. © 2020 DEI & Associates Inc. Drawing Title:

LEGEND, SCHEDULE AND SPECIFICATIONS

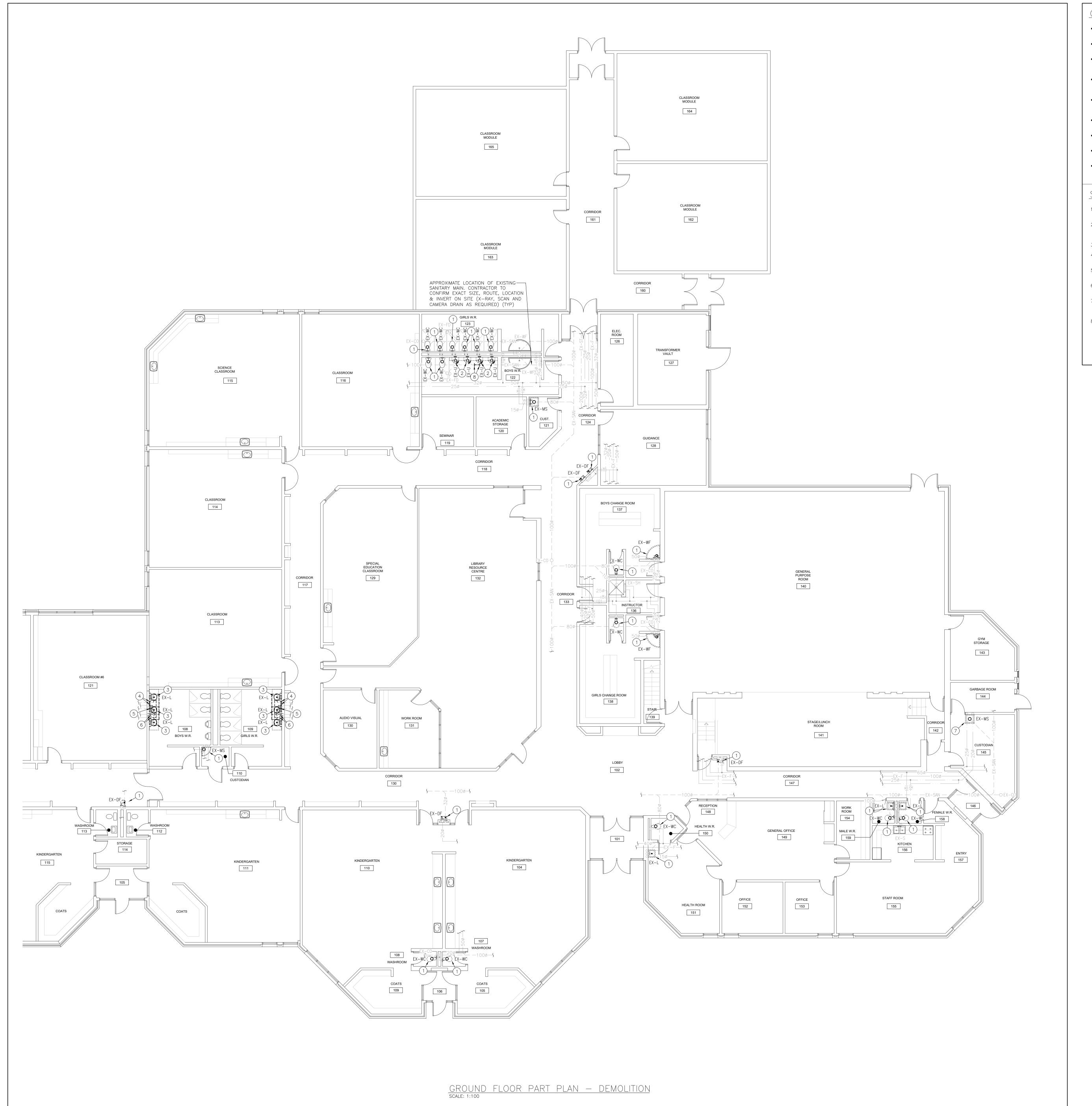
2003	ME1-1
Job No.	Drawing No.
Drawn by: RP	Checked by: MW
Scale: AS NOTED	Date: Feb. 4, 2020

1-GP-181M+AMDT-MAR-78.

- **GENERAL NOTES** PROVIDE LABOUR MATERIAL AND EQUIPMENT REQUIRED TO PROVIDE A COMPLETE INSTALLATION WITH QUALITY WORKMANSHIP ACCEPTABLE TO THE OWNER, ARCHITECT
- OBTAIN ALL PERMITS AND PAY ALL TAXES, FEES AND OTHER COSTS INCURRED WITH THIS WORK. FILE ALL PLANS. OBTAIN NECESSARY APPROVALS, CERTIFICATES AND INSPECTIONS. SUBMIT ALL FINAL CERTIFICATES TO THE CONSULTANT.
- COMPLY WITH RULES AND RECOMMENDATIONS OF THE BOARD OF UNDERWRITERS ELECTRICAL SAFETY AUTHORITY, THE CANADIAN STANDARDS ASSOCIATION AND ALL REQUIREMENTS OF THE LOCAL UTILITY. VISIT THE SITE BEFORE SUBMITTING TENDERS TO EVALUATE ANY SITE CONDITIONS THAT MIGHT ARISE. INCLUDE ALL SITE CONDITIONS IN TENDER, EXTRAS WILL NOT BE
- ACCEPTED UNLESS BELIEVED TO BE REASONABLE BY THE OWNER AND CONSULTANT. CUTTING AND PATCHING SHALL BE BY THE CONTRACTOR REQUIRING TO INSTALL THE THE DRAWINGS ARE DIAGRAMMATIC, THE SERVICES SHALL BE INSTALLED TO CONSERVE
- HEADROOM AND INTERFERE AS LITTLE AS POSSIBLE WITH THE FREE USE OF THE SPACES THROUGH WHICH THEY PASS.
- PROVIDE ONE MARKED COPY OF AS-BUILT DRAWINGS SHOWING THE SYSTEM AS SUBMIT SHOP DRAWINGS FOR ALL MAJOR EQUIPMENT. THESE WILL BE REVIEWED BY THE CONSULTANT. RESUBMIT AS OFTEN AS MAY BE FOUND NECESSARY.
- PROVIDE ALL NECESSARY PROTECTION FOR FINISHED OR UNFINISHED WORK. ALL OPENINGS IN CONDUITS, DUCTS AND EQUIPMENT SHALL BE CAPPED TO ENSURE SERVICES ARE KEPT CLEAN WHEN NOT IN USE.
- MAINTAIN INSURANCE TO FULLY PROTECT THE CONTRACTOR, OWNER AND CONSULTANT FROM ANY AND ALL CLAIMS SUCH AS UNDER THE WORKMEN'S COMPENSATION ACT, ETC. POST PROJECT NOTIFICATION AT THE SITE IN ACCORDANCE WITH THE MINISTRY OF LABOUR REQUIREMENTS.
- INSTRUCT THE OWNER'S STAFF IN THE CARE, MAINTENANCE AND OPERATION OF THE
- 2 SUBMIT THREE (3) COPIES OF OPERATING AND MAINTENANCE INSTRUCTIONS IN A THREE RING BINDER LABELED FOR THE PROJECT COMPLETE WITH ITEMIZED SECTIONS
- CONTAINING PROJECT DATA, SHOP DRAWINGS, ETC. I.3 COORDINATE WITH OTHER CONTRACTORS INSTALLING EQUIPMENT OR MATERIAL AND
- ARRANGE EQUIPMENT IN PROPER RELATION WITH APPARATUS OF ALL OTHER TRADES. 14 PROVIDE LAMICOID TAGS FOR IDENTIFICATION OF NEW EQUIPMENT ADDED.

- .15 ALL AREAS NOT AFFECTED BY RENOVATION OR DEMOLITION SHALL REMAIN AS PRESENTLY INSTALLED UNLESS OTHERWISE NOTED. .16 ALL EXISTING ELECTRICAL DEVICES, OUTLET BOXES, ETC., NOT SHOWN ON DRAWINGS OR MENTIONED IN THE FOLLOWING NOTES AND INSTALLED IN WALLS SLATED FOR DEMOLITION, SHALL BE DISCONNECTED AND REMOVED COMPLETELY IN ALL RESPECTS.
- .17 WARRANTY ALL LABOUR, MATERIAL AND EQUIPMENT FOR A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE OF SYSTEM. .18 PROVIDE MINIMUM FORTY EIGHT (48) HOURS NOTICE FOR ANY AND/OR ALL DISRUPTIONS TO EXISTING SYSTEMS. PROVIDE ESTIMATED TIME OF SERVICE
- BASIC MATERIALS JUNCTION, OUTLET AND PULL BOXES MUST BE APPROVED TO SUIT INSTALLATION METHODS AND ENVIRONMENT.
- CONDUIT MUST BE CONCEALED UNLESS INSTALLED IN SERVICE OR STORAGE ROOMS. .3 CONDUIT MUST BE INSTALLED PARALLEL AND PERPENDICULAR TO BUILDING LINES IN A NEAT AND WORKMANLIKE MANNER. .4 ALL FEEDER AND BRANCH CIRCUIT WIRING MUST BE COPPER, T90 RATING/STYLE RUN IN EMT CONDUIT WITH INTERNAL INSULATED GREEN GROUND WIRE UNLESS NOTED
- OTHERWISE. MINIMUM WIRE SIZE SHALL BE #12 AND MINIMUM CONDUIT SIZE SHALL COLOUR BANDS MUST BE 25mm(1") WIDE AND CODED AS FOLLOWS FOR NOTED SYSTEMS. (WRITER TO EDIT)
- 209 TO 600V THIS CONTRACTOR MUST PAINT ALL SYSTEM JUNCTION BOXES AND COVERS IN CONFORMANCE WITH THE ABOVE SCHEDULE. SHOP DRAWINGS AND PRODUCT DATA
- FURNISH COMPLETE CATALOGUE DATA FOR MANUFACTURED ITEMS OF EQUIPMENT TO BE USED IN THE WORK TO CONSULTANT FOR MAY COMMENCE. NOTE: IF A SHOP DRAWING IS RETURNED "REVIEWED AS NOTED" THIS CONTRACTOR MUST PROVIDE WRITTEN INDICATION THAT THE COMMENTS HAVE BEEN COMPLIED WITH. A PARTIAL LIST OF SHOP DRAWINGS INCLUDES:

.1 BRANCH CIRCUIT BREAKERS



GENERAL DEMOLITION NOTES

- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK. ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO
- REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC. MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE
- INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES. THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

SPECIFIC DEMOLITION NOTES

- 4. EXISTING SANITARY TO BE CUT & CAPPED AT WALL AND REMOVED BEYOND
- 8. EXISTING 1000 SANITARY TO BE CUT AND REMOVED COMPLETE. PREPARE FOR NEW CONNECTION.
- 1. EXISTING PLUMBING FIXTURE TO BE REMOVED COMPLETE. CUT EXISTING DOMESTIC PIPING AT WALL. PREPARE FOR CONNECTION TO NEW FIXTURE. EXISTING PLUMBING FIXTURE TO BE REMOVED COMPLETE. CUT AND CAP EXISTING DOMESTIC PIPING AT WALL. CUT AND CAP EXISTING SANITARY BELOW FLOOR. PREPARE FOR CONNECTION TO NEW FIXTURE. 3. EXISTING PLUMBING FIXTURE TO BE REMOVED COMPLETE.
- 5. EXISTING SANITARY TO BE CUT AND REMOVED BEYOND COMPLETE. PREPARE FOR CONNECTION TO NEW FIXTURE.
- 6. EXISTING H&CW PIPING TO BE CUT AND REMOVED BEYOND COMPLETE. PREPARE FOR CONNECTION TO NEW FIXTURE. 7. EXISTING MOP SINK AND HANDHELD EYEWASH TO BE REMOVED COMPLETE. CUT DOMESTIC PIPING AT WALL. PREPARE FOR CONNECTION TO NEW FIXTURES.
- Consulting Engineers ∩ In MECHANICAL | ELECTRICAL | AQUATIC

de district catholique

Centre-Sud

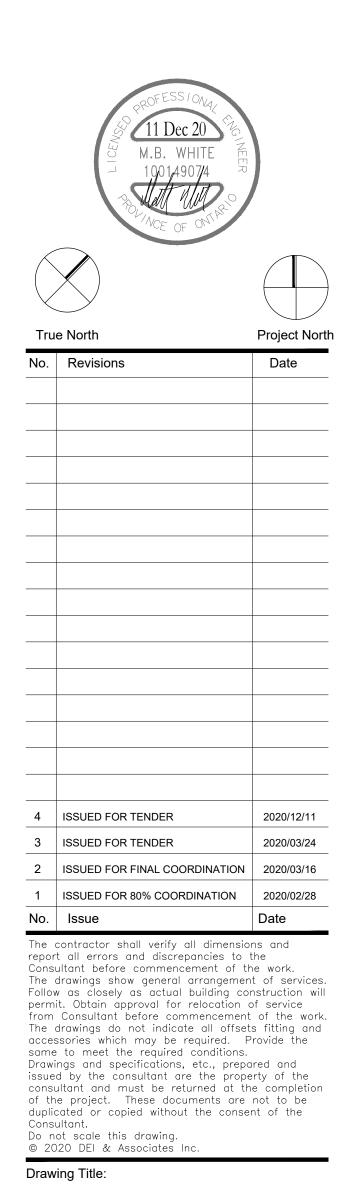
ÉCOLE ÉLÉMENTAIRE

SAINTE-JEANNE-D'ARC 25 Rue Laurelcrest,

Brampton, Ontario.

Architect

Snyder Architects Inc. 260 King St. E, Unit A101, Toronto, ON M5A 4L5 tel. 416.966.5444 fax. 416.966.4443 w w w . snyderarchitects.ca



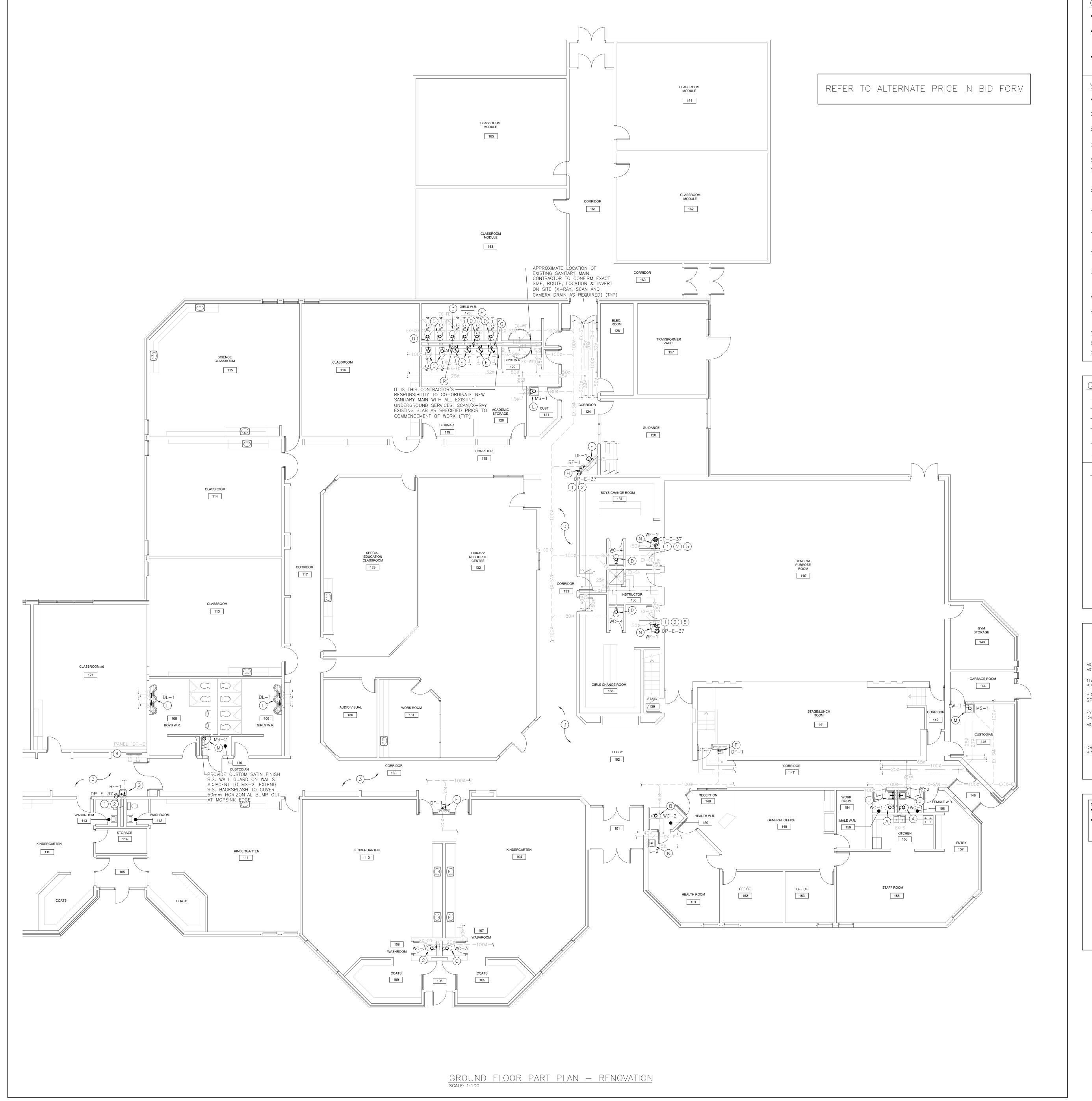
GROUND FLOOR

Scale: AS NOTED

Drawn by: RP

DEMOLITION PART PLAN

Date: Feb. 4, 2020



GENERAL RENOVATION NOTES

 CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS. PROVIDE VENTING FOR SANITARY FIXTURES TO OBC REQUIREMENTS. CO-ORDINATE VENTS THRU ROOF WITH GENERAL CONTRACTOR. MAINTAIN MINIMUM 3600MM (12'-0") BETWEEN SANITARY VENT AND ALL AIR INTAKE/EXHAUST OPENINGŚ.

 CO-ORDINATE SIZE AND LOCATION OF EXISTING SANITARY AND DOMESTIC PIPING PRIOR TO COMMENCING WORK.

SPECIFIC RENOVATION NOTES

TO DRINKING FOUNTAIN.

- A. CONNECT NEW WC-1 TO EXISTING 150 CW PIPING AND EXISTING 800 SANITARY PIPING. PROVIDE NEW FLANGE AND WAX SEAL.
- B. CONNECT NEW BARRIER-FREE WC-2 TO EXISTING 150 CW PIPING AND EXISTING 800 SANITARY PIPING. PROVIDE NEW FLANGE AND WAX SEAL.
- C. CONNECT NEW WC-3 TO EXISTING 150 CW PIPING AND EXISTING 800 SANITARY PIPING. PROVIDE NEW FLANGE AND WAX SEAL.
- D. CONNECT NEW WC-4 WITH FLUSH VALVE TO EXISTING 250 CW PIPING AND EXISTING 800 SANITARY PIPING. PROVIDE NEW FLANGE AND WAX SEAL.
- E. CONNECT NEW 500 SANITARY PIPING TO EXISTING SANITARY MAIN. F. CONNECT NEW DF-1 TO EXISTING 150 CW AND 320 SANITARY PIPING. REWORK EXISTING PIPING AS REQUIRED FOR NEW FIXTURE CONNECTIONS
- G. CONNECT NEW BF-1 TO EXISTING 150 CW AND 320 SANITARY PIPING. REWORK EXISTING PIPING AS REQUIRED FOR NEW FIXTURE CONNECTIONS TO BOTTLE FILLER.
- H. CONNECT NEW BF-1 TO EXISTING 150 CW AND 320 SANITARY PIPING. REWORK EXISTING PIPING AS REQUIRED FOR NEW FIXTURE CONNECTIONS
- TO BOTTLE FILLER. I. CONNECT NEW L-1 TO EXISTING 150 H&CW PIPING AND 400 SANITARY

PIPING. PROVIDE NEW SHUT-OFF VALVES WITH SCREWDRIVER STOP,

- ESCUTCHEONS AND FLEXIBLE SUPPLY PIPES. K. CONNECT NEW BARRIER-FREE L-2 TO EXISTING 150 H&CW PIPING AND 400 SANITARY PIPING. PROVIDE NEW SHUT-OFF VALVES WITH SCREWDRIVER
- . CONNECT NEW DL-1 TO EXISTING 150 H&CW PIPING AND 400 SANITARY PIPING. PROVIDE NEW SHUT-OFF VALVES WITH SCREWDRIVER STOP AND FLEXIBLE SUPPLY PIPES. REWORK EXISTING PIPING AS REQUIRED FOR NEW
- FIXTURE CONNECTIONS. M. CONNECT NEW MS-1 TO EXISTING 150 CW PIPING AND EXISTING 800

STOP, ESCUTCHEONS AND FLEXIBLE SUPPLY PIPES.

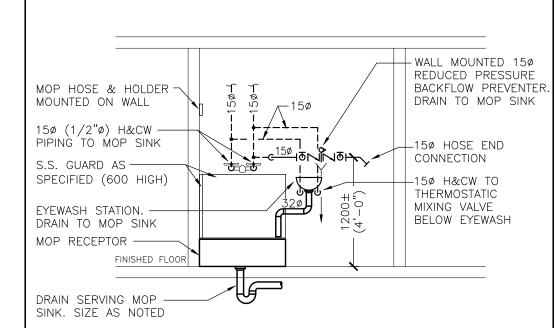
- SANITARY PIPING. PROVIDE NEW FLANGE. N. CONNECT NEW WF-1 TO EXISTING 250 H&CW PIPING AND EXISTING 400 SANITARY PIPING. REWORK EXISTING PIPING AS REQUIRED FOR NEW
- FIXTURE CONNECTIONS. P. CONNECT NEW 400 CW TO EXISTING CW HEADER.
- Q. 400 CW HEADER IN CHASE.
- R. PROVIDE WATER HAMMER ARRESTOR C/W STAINLESS STEEL ACCESS DOOR.

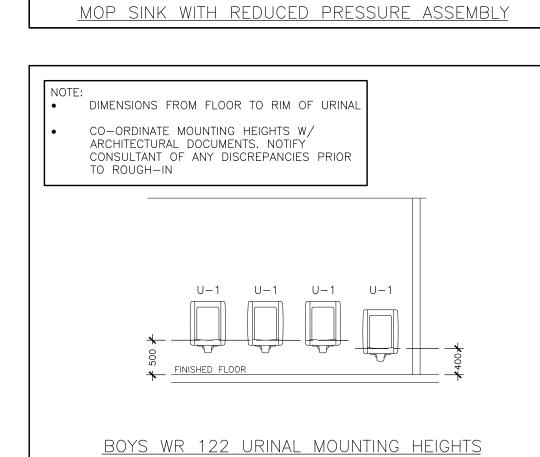
GENERAL ELEC RENOVATION NOTES

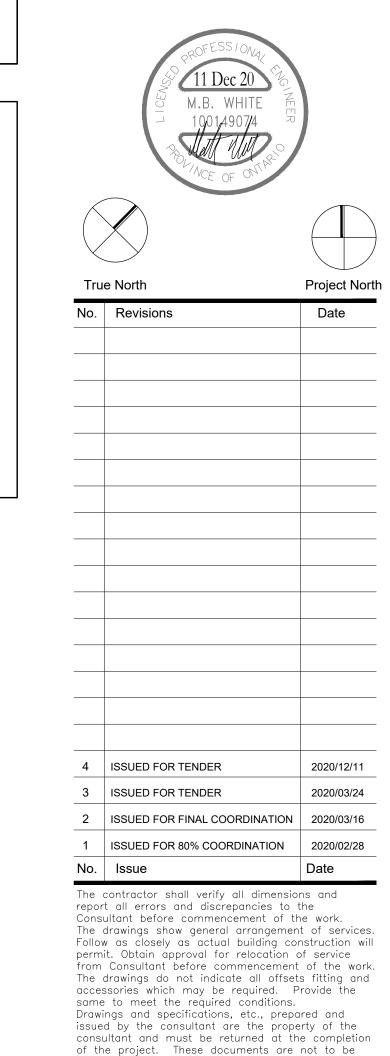
- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED. EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS
- OTHERWISE NOTED. MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

SPECIFIC ELEC RENOVATION NOTES INDICATES 120V FEED TO 24VDC STEP DOWN TRANSFORMER MOUNTED ABOVE CEILING OR AT A HIGH LEVEL FOR AUTOMATIC PLUMBING FIXTURE(S). COORDINATE WITH MECHANICAL TRADE. ELECTRICAL CONTRACTOR TO INCLUDE FOR GF RECEPTACLE INSTALLED AT LOW LEVEL IN CONTRACT, COORDINATE WITH MECHANICAL CONTRACTOR FOR POWER RECUIREMENTS.

- INDICATES CONTRACTOR TO FISH EXISTING BLOCK WALL TO FEED INDICATED DEVICE.
- THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.
- INDICATES EXISTING PANEL 'DP-E', G.E. 'A' SERIES, 120/208V 3P 4W. WITHIN EXISTING PANEL PROVIDE NOTED BREAKERS TO MATCH EXISTING KAIC RATING <u>CIRCUIT</u> <u>BREAKER</u> <u>DESCRIPTION</u> E-37 15A-1P AUTOMATIC PLUMBING FIXTURE
- REFER TO ALTERNATE PRICE FOR POWER FEED TO THIS FIXTURE







Conseil scolaire

Centre-Sud

ÉCOLE ÉLÉMENTAIRE

SAINTE-JEANNE-D'ARC

25 Rue Laurelcrest,

Brampton, Ontario.

Architect

Snyder Architects Inc. 260 King St. E, Unit A101, Toronto, ON M5A 4L5 tel. 416.966.5444 fax. 416.966.4443 w w w . snyderarchitects.ca

Consulting Engineers

MECHANICAL | ELECTRICAL | AQUATIC

55 Northland Road, Waterloo, ON, N2V 1Y8 Phone: 519-725-3555 Fax: 519-725-2515 Website: deiassociates.ca

de district catholique

Drawing Title: **GROUND FLOOR RENOVATION PART PLAN**

duplicated or copied without the consent of the

Do not scale this drawing. © 2020 DEI & Associates Inc.

Scale: AS NOTED	Date: Feb. 4, 2020
Drawn by: RP	Checked by: MW
Job No.	Drawing No.
2003	ME3-1