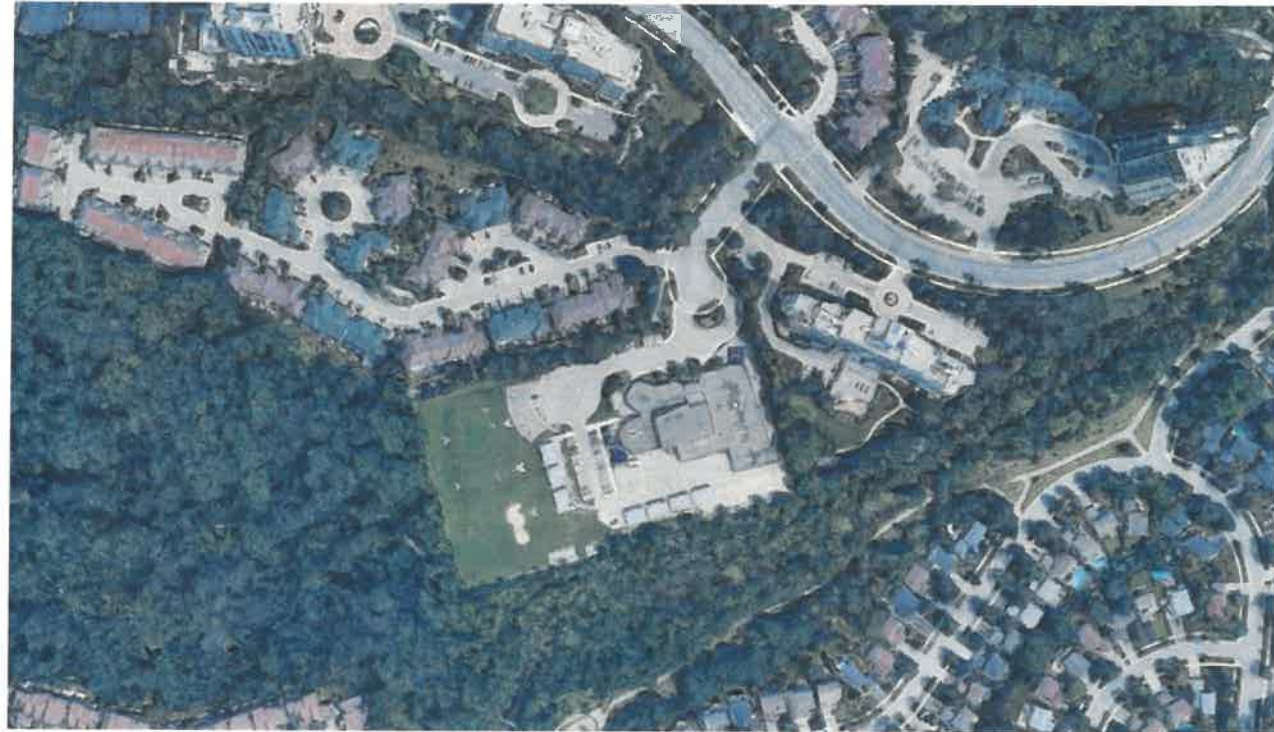


PLUMBING UPGRADES

ÉÉC SAINT-JEAN-BAPTISTE

MISSISSAUGA, ONTARIO



1 KEY PLAN
A000 SCALE: NTS

DWG NO.	ARCHITECTURAL DRAWING TITLE
A000	KEY PLAN & OBC MATRIX
A100	OVERALL PLAN
A101	GENERAL NOTES
A200	BOYS & GIRLS WASHROOM - DEMOLITION PLAN & NOTES
A201	BOYS & GIRLS WASHROOM - RENOVATION PLAN & NOTES
A202	STAFF WASHROOM - DEMOLITION & RENOVATION PLAN
A203	WASHROOM 140B - DEMOLITION PLAN
A204	NEW UNIVERSAL WASHROOM 140B
A205	WORKROOM 140A AND UNIVERSAL WASHROOM 140B - REFLECTED CEILING PLAN
A300	BOYS & GIRLS WASHROOM & WORKROOM 140A - ELEVATIONS
A301	UNIVERSAL WASHROOM 140B, AND WASHROOM ACCESSORIES ELEVATIONS

DWG NO.	MECHANICAL DRAWING TITLE
M-1	PART GROUND FLOOR PLAN - PLUMBING
M-2	PLUMBING BOYS AND GIRLS WASHROOM
M-3	PLUMBING AND HVAC NEW UNIVERSAL WASHROOM
M-4	PART SECOND FLOOR PLAN, SCHEMATICS, AND SCHEDULES
M-5	PLUMBING FIXTURE SCHEDULE
M-6	SPECIFICATIONS

DWG NO.	ELECTRICAL DRAWING TITLE
E-1	PART GROUND FLOOR PLAN - ELECTRICAL
E-2	ELECTRICAL BOYS AND GIRLS WASHROOM
E-3	ELECTRICAL NEW UNIVERSAL WASHROOM
E-4	PART SECOND FLOOR PLAN - ELECTRICAL
E-5	UNIVERSAL WASHROOM DOOR OPERATOR DETAIL
E-6	ELECTRICAL SPECIFICATIONS

ITEM	ONTARIO BUILDING CODE DATA MATRIX PART 3	OBC REFERENCES
1	PROJECT DESCRIPTION: <input type="checkbox"/> NEW <input type="checkbox"/> PART 11 <input type="checkbox"/> ADDITION <input type="checkbox"/> CHANGE OF USE <input checked="" type="checkbox"/> ALTERATION	<input checked="" type="checkbox"/> PART 3
2	MAJOR OCCUPANCY(S) GROUP A, DIVISION 2	3.1.2.1. (1), 3.2.2.22
3	MAIN BUILDING AREA (m2) 3229 NEW 0 TOTAL 3229	
4		
5	GROSS AREA (M2) 3229 NEW 0 TOTAL 3229	1.1.3.2
6	NUMBER OF STOREYS ABOVE GRADE 1 BELOW GRADE 0	3.2.1.1 & 1.1.3.2
7	HEIGHT OF BUILDING (m) : 7.5	
8	NUMBER OF STREETS / ACCESS ROUTES 1	3.2.2.10 & 3.2.5.5
9	BUILDING CLASSIFICATION 3.2.2.22	3.2.2.20-83
10	SPRINKLER SYSTEM PROPOSED <input type="checkbox"/> ENTIRE BUILDING <input type="checkbox"/> BASEMENT ONLY <input type="checkbox"/> IN LIEU OF ROOF RATING <input checked="" type="checkbox"/> NOT REQUIRED	3.2.2.20-83 3.2.1.5 3.2.2.17
11	STANDPIPE REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	3.2.9
12	FIRE ALARM REQUIRED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3.2.4.1
13	WATER SERVICE / SUPPLY IS ADEQUATE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
14	HIGH BUILDING <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	3.2.6
15	PERMITTED CONSTRUCTION <input type="checkbox"/> COMBUSTIBLE <input checked="" type="checkbox"/> NON-COMBUSTIBLE OR BOTH ACTUAL CONSTRUCTION <input type="checkbox"/> COMBUSTIBLE <input checked="" type="checkbox"/> NON-COMBUSTIBLE OR BOTH	3.2.2.20-83
16	MEZZANINE(S) AREA (m2) N/A	
17	OCCUPANT LOAD BASED ON <input type="checkbox"/> m2 / PERSON <input checked="" type="checkbox"/> DESIGN OF BUILDING 1ST FLOOR () OCCUPANCY UNCHANGED LOAD UNCHANGED PERSONS	
18	BARRIER FREE DESIGN <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (EXPLAIN)	3.8
19	HAZARDOUS SUBSTANCES <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	3.3.1.2.(1) & 3.3.1.19.(1)
20	WASHROOM FIXTURES SCHOOL: UNCHANGED ✓ DAYCARE: UNCHANGED ✓	REQUIRED PROVIDED UNCHANGED ✓ UNCHANGED ✓ UNCHANGED ✓ UNCHANGED ✓

DENIS GERALD RIOUX
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ALL CONSTRUCTION TO BE ACCORDING TO BEST COMMON PRACTICE AND CONFORM TO THE ONTARIO BUILDING CODE IN EFFECT AT THE TIME.

PROJECT
PLUMBING UPGRADES
ÉÉC Saint-Jean-Baptiste
1910 BROAD HOLLOW GATE
L5L 3T4
MISSISSAUGA, ONTARIO

CLIENT
MON AVENIR
110, AVENUE DREWRY
TORONTO, ON
M2M 1C8

DRAWING
KEY PLAN & OBC MATRIX

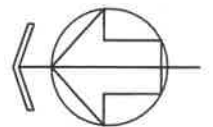
PROJECT NUMBER 2409	DATE Mar 04, 2025
SCALE AS NOTED	PLOTTED DATE

DRAWING NO.

A000

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PROJECT
 PLUMBING UPGRADES
 ÉEC Saint-Jean-Baptiste
 1810 BROAD HOLLOW GATE
 L5L 3T4
 MISSISSAUGA, ONTARIO

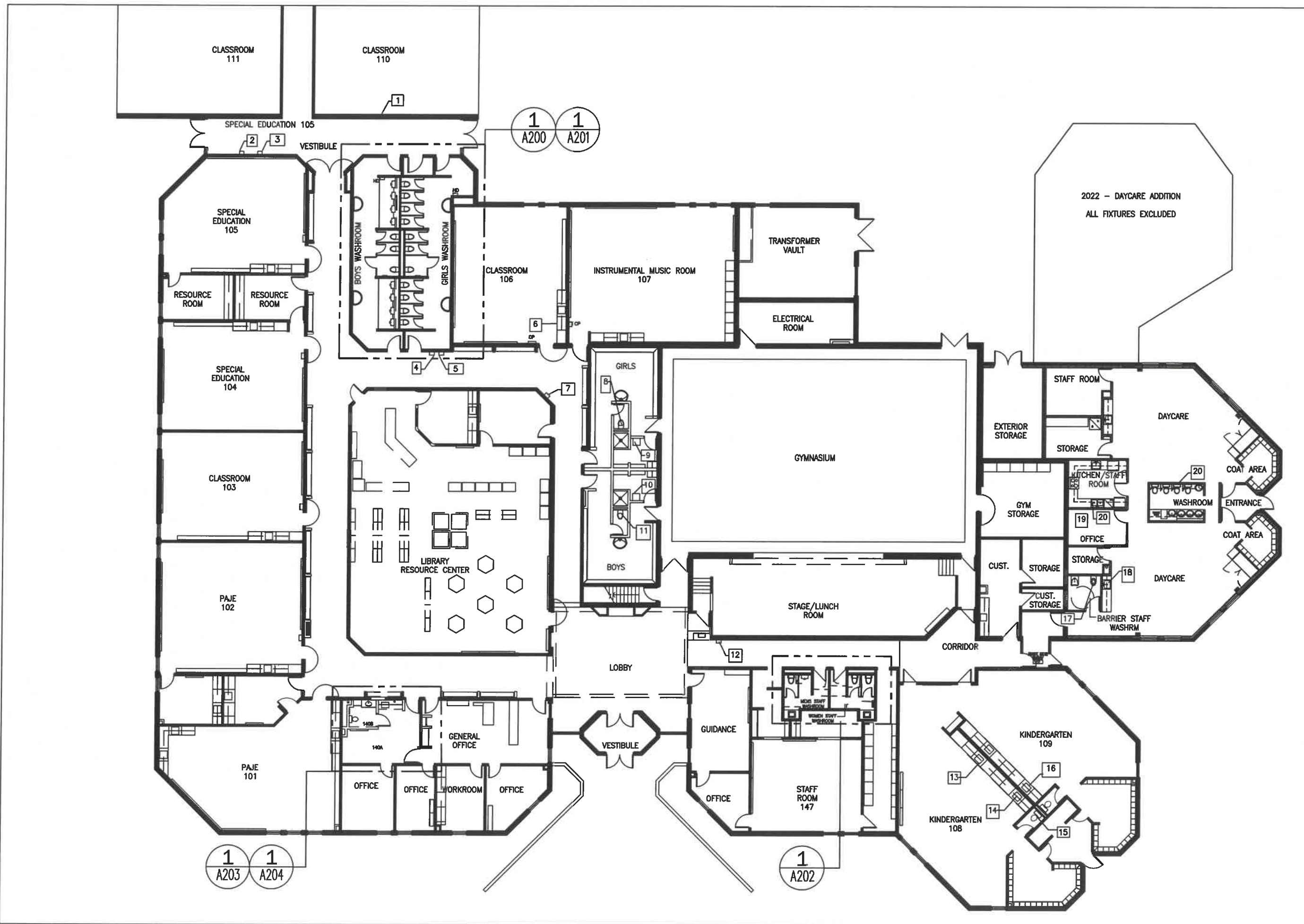
CLIENT
 MON AVENIR
 110, AVENUE DREWRY
 TORONTO, ON
 M2M 1C8

DRAWING
 OVERALL PLAN

PROJECT NUMBER 2409	DATE Mar 04, 2025
SCALE AS NOTED	PLOTTED DATE

DRAWING NO.

A100



GENERAL NOTES:

REFER TO DRAWING A-100 FOR LOCATION OF NOTE NUMBERS.

1. SINK DRAINAGE IN CLASSROOM 110 TO BE REPLACED - REFER TO MECHANICAL DRAWINGS.
2. EXISTING DRINKING FOUNTAIN TO BE REMOVED - REFER TO MECHANICAL DRAWINGS EXISTING OPENING IN BRICK WALL. TO BE FILLED WITH BRICK TO MATCH.
3. EXISTING DRINKING FOUNTAIN TO BE REPLACED WITH NEW UNIT - REFER TO MECHANICAL DRAWINGS.
4. EXISTING DRINKING FOUNTAIN TO BE REPLACED WITH NEW UNIT - REFER TO MECHANICAL DRAWINGS.
5. EXISTING DRINKING FOUNTAIN TO BE REPLACED WITH NEW UNIT - REFER TO MECHANICAL DRAWINGS - EXISTING OPENINGS IN CONCRETE BLOCK WALLS TO BE INFILLED WITH BLOCK TO MATCH AND WALL REPAINTED FROM DOORWAY TO CORNER.
6. SINK DRAINAGE IN CLASSROOM 106 TO BE REPLACED - REFER TO MECHANICAL DRAWINGS.
7. EXISTING DRINKING FOUNTAIN TO BE REPLACED WITH NEW UNIT - REFER TO MECHANICAL DRAWINGS.
8. TOILET IN GIRLS CHANGE ROOM TO BE REPLACED - REFER TO MECHANICAL DRAWINGS.
- 9&10. SINK DRAINAGE IN INSTRUCTOR 'S TO BE REPLACED - REFER TO MECHANICAL DRAWINGS.
11. TOILET IN BOYS CHANGE ROOM TO REMAIN. REPAIR DUE TO LEAKAGE AT FLOOR LEVEL. REFER TO MECHANICAL DRAWINGS.
12. EXISTING DRINKING FOUNTAIN TO BE REPLACED - REFER TO MECHANICAL DRAWINGS.
13. EXISTING DRAINAGE IN KINDERGARTEN 108 TO BE REPLACED - REFER TO MECHANICAL DRAWINGS.
14. EXISTING DRAINAGE IN KINDERGARTEN 108 TO BE REPLACED. EXISTING DRINKING BUBBLER AT SINK TO BE REMOVED & OPENING IN COUNTERTOP CAPPED - REFER TO MECHANICAL DRAWINGS.
15. REPLACE EXISTING TOILET - REFER TO MECHANICAL DRAWINGS.
16. EXISTING DRINKING BUBBLER AT SINK TO BE REMOVED & OPENING IN COUNTERTOP CAPPED - REFER TO MECHANICAL DRAWINGS.
17. REPLACE EXISTING TOILET - REFER TO MECHANICAL DRAWINGS.
18. REPAIR LEAKING THERMOSTATIC VALVE UNDER SINK - REFER TO MECHANICAL DRAWINGS.
19. SINK DRAINAGE IN KITCHEN TO BE REPLACED - REFER TO MECHANICAL DRAWINGS.
20. FOUR (4) BABY DEVORO TOILETS TO BE REPLACED - REFER TO MECHANICAL DRAWINGS.

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ARCHITECT

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PROJECT

PLUMBING UPGRADES
ÉEC Saint-Jean-Baptiste
1915 BROAD HOLLOW GATE
L5L 3T4
MISSISSAUGA, ONTARIO

CLIENT

 MON AVENIR
110, AVENUE DREWRY
TORONTO, ON
M2M 1C8

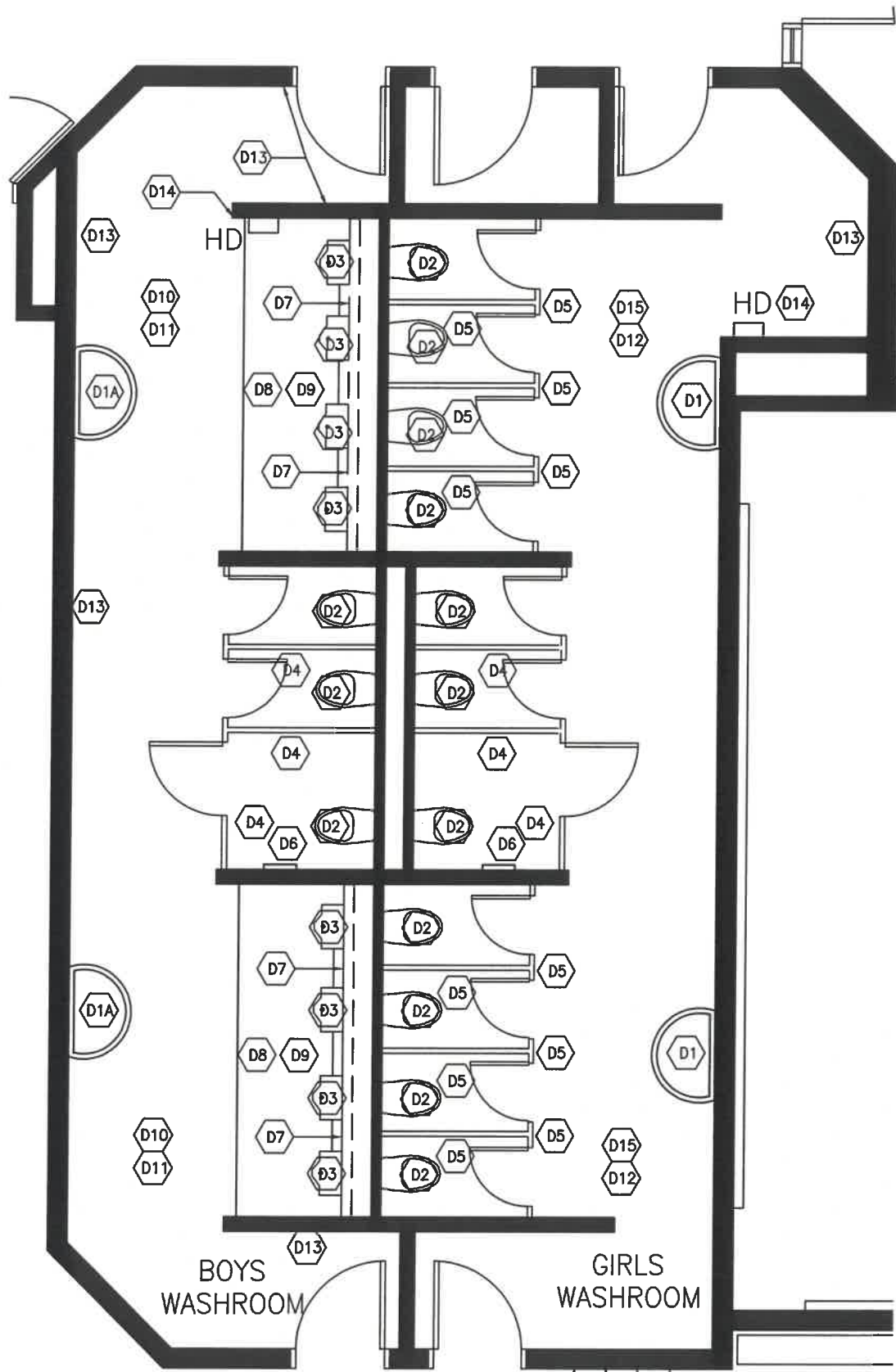
DRAWING

GENERAL NOTES

PROJECT NUMBER	DATE
2409	Mar 04, 2025
SCALE	PLOTTED DATE
AS NOTED	

DRAWING NO.

A101



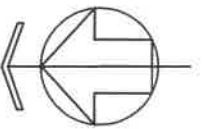
DEMOLITION KEY NOTES:

SYMBOL	DESCRIPTION
D1	EXISTING WASH FOUNTAIN TO REMAIN. (D1A) FOUNTAINS TO BE REMOVED AND REINSTALLED AFTER NEW FLOOR FINISH INSTALLED.
D2	EXISTING TOILETS TO BE REPLACED – REFER TO MECHANICAL DRAWINGS.
D3	FLOOR MOUNTED URINALS TO BE REMOVED – REFER TO MECHANICAL DRAWINGS.
D4	EXISTING TOILET PARTITIONS TO BE REMOVED. (EXISTING TOILET PAPER DISPENSERS TO BE SALVAGED FOR RE-INSTALLATION.)
D5	EXISTING TOILET PARTITIONS TO REMAIN.
D6	EXISTING GRAB BAR TO BE REMOVED.
D7	EXISTING MASONRY WALL ON PIPE SPACE TO BE REMOVED.
D8	EXISTING CONCRETE FLOOR SLAB TO BE REMOVED & REPLACED FOR ACCESS TO BURIED SANITARY DRAINAGE – REFER TO MECHANICAL DRAWINGS.
D9	EXISTING 2-48" WALL MOUNTED LIGHT FIXTURES AT UPPER WALL LEVEL TO BE SALVAGED FOR RE-INSTALLATION – REFER TO ELECTRICAL DRAWINGS.
D10	EXISTING 2"x4" CERAMIC TILE FLOOR FINISH TO BE REMOVED INCLUDING BASE AND MAKE GOOD FOR NEW CERAMIC TILE FINISH..
D11	EXISTING T-BAR SUSPENDED CEILING AT 7'-10" A.F.F. TO REMAIN, MODIFY AS REQUIRED FOR NEW WALLS AT URINALS.
D12	EXISTING T-BAR CEILING AT 7'-10" TO REMAIN.
D13	EXISTING PAINTED CONCRETE BLOCK WALLS (TO REMAIN), EXCEPT AS NOTED ON DRAWINGS A201, AND TO BE REPAINTED.
D14	HD – EXISTING ELECTRIC HAND DRYER TO REMAIN.
D15	EXISTING 2" X 4" CERAMIC TILE FLOOR FINISH TO REMAIN.

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PROJECT
PLUMBING UPGRADES
ÉEC Saint-Jean-Baptiste
1810 BROAD HOLLOW GATE
L5L 3T4
MISSISSAUGA, ONTARIO

CLIENT
MON AVENIR
110, AVENUE DREWRY
TORONTO, ON
M2M 1C8

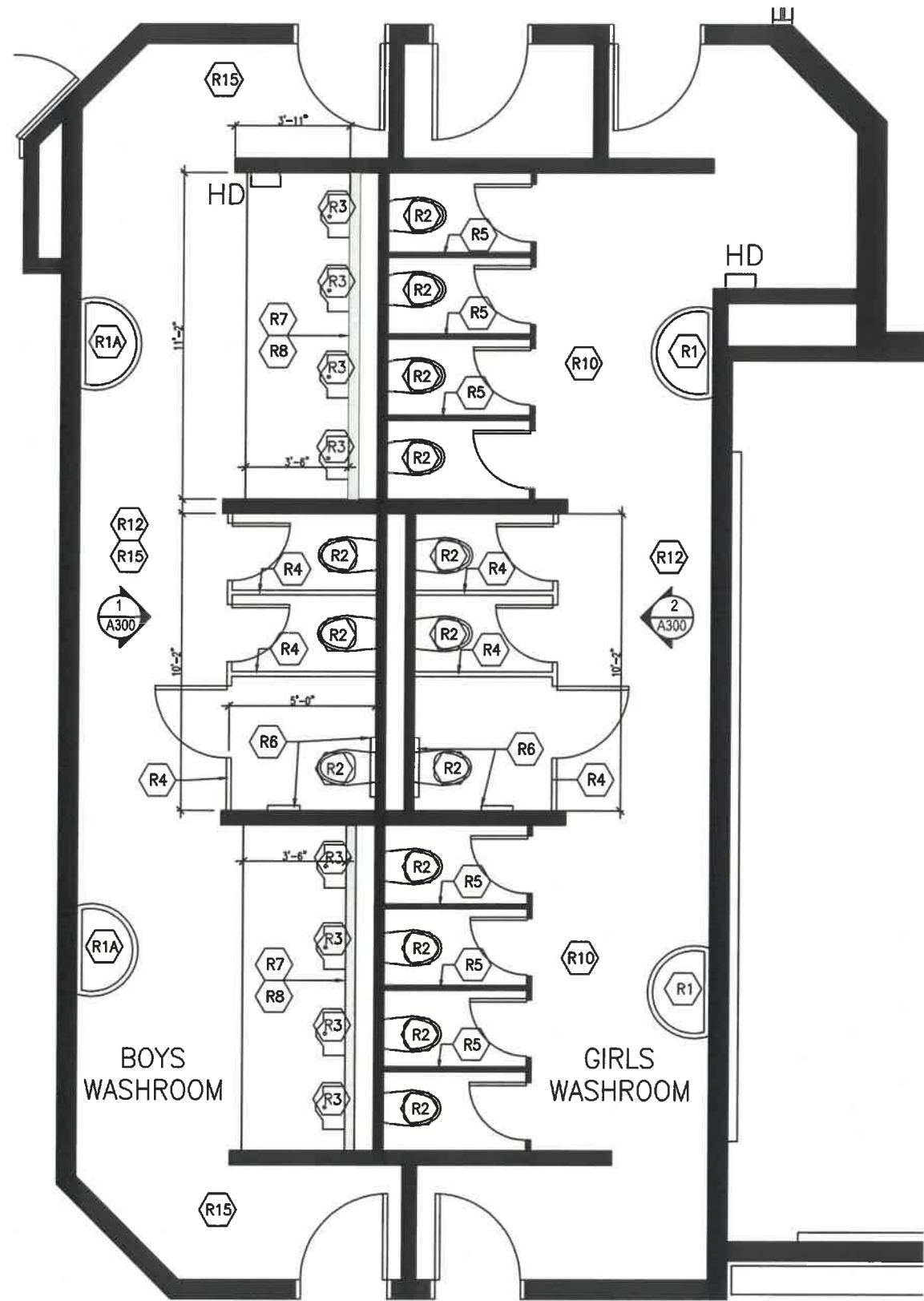
DRAWING
BOYS & GIRLS WASHROOM
DEMOLITION PLAN & NOTES

PROJECT NUMBER	DATE
2409	Mar 04, 2025
SCALE	PLOTTED DATE
AS NOTED	

DRAWING NO.

A200

1 **BOYS + GIRLS WASHROOM - DEMOLITION PLAN**
A200 SCALE: 3/16"=1'-0"



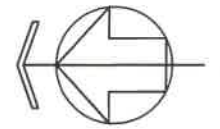
RENOVATION KEY NOTES:

SYMBOL	DESCRIPTION
R1	EXISTING WASH FOUNTAIN. WASH FOUNTAIN 1A TO BE REINSTALLED AFTER NEW FLOOR INSTALLED.
R2	NEW TOILETS – REFER TO MECHANICAL DRAWINGS.
R3	NEW URINALS – REFER TO MECHANICAL DRAWINGS AND 1/A300.
R4	NEW TOILET PARTITIONS – REFER TO SPECIFICATIONS AND 1/A300. – REINSTALL EXISTING PAPER TOWELL DISPENSERS.
R5	EXISTING TOILET PARTITIONS.
R6	NEW GRAB BARS – REFER TO SPECIFICATIONS.
R7	NEW WALL – CERAMIC TILE ON CEMENT BOARD ON 3 5/8" STEEL STUDS AT 16" O.C. BRACED BACK TO EXISTING MASONRY.
R8	NEW 4" MINIMUM THICKNESS CONCRETE SLAB (3500 LBS @ 28DAYS) ON VAPOUR BARRIER ON COMPACTED FILL C/W NEW PORCELAIN TILE FLOORING – REFER TO SPECIFICATIONS.
R9	RE-INSTALLED 2-48" WALL MOUNTED LIGHT FIXTURES – REFER TO DETAIL 1/A300.
R10	EXISTING MOSAIC TILE FLOOR FINISH TO REMAIN.
R11	EXISTING T-BAR CEILING AT 7'-10" A.F.F. TO BE RESTORED AT AREAS ABOVE NEW URINALS AND WALLS.
R12	EXISTING T-BAR CEILING AT 7'-10" TO REMAIN.
R13	REPAINT ALL EXISTING CONCRETE BLOCK WALLS – COLOUR TO MATCH EXISTING.
R14	EXISTING ELECTRIC HAND DRYER TO REMAIN.
R15	NEW PORCELAIN TILE FLOORING AND BASE..

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PROJECT
PLUMBING UPGRADES
ÉEC Saint-Jean-Baptiste
1910 BROAD HOLLOW GATE
L5L 3T4
MISSISSAUGA, ONTARIO

CLIENT
 MON AVENIR
110, AVENUE DREWRY
TORONTO, ON
M2M 1C8

DRAWING
BOYS & GIRLS WASHROOM -
RENOVATION PLAN & NOTES

PROJECT NUMBER 2409	DATE Mar 04, 2025
SCALE AS NOTED	PLOTTED DATE

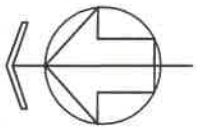
DRAWING NO.

A201

1 **BOYS + GIRLS WASHROOM - RENOVATION PLAN**
A201 SCALE: 3/16"=1'-0"

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PROJECT
 PLUMBING UPGRADES
 ÉCÉ Saint-Jean-Baptiste
 1910 BROAD HOLLOW GATE
 L5L 3T4
 MISSISSAUGA, ONTARIO

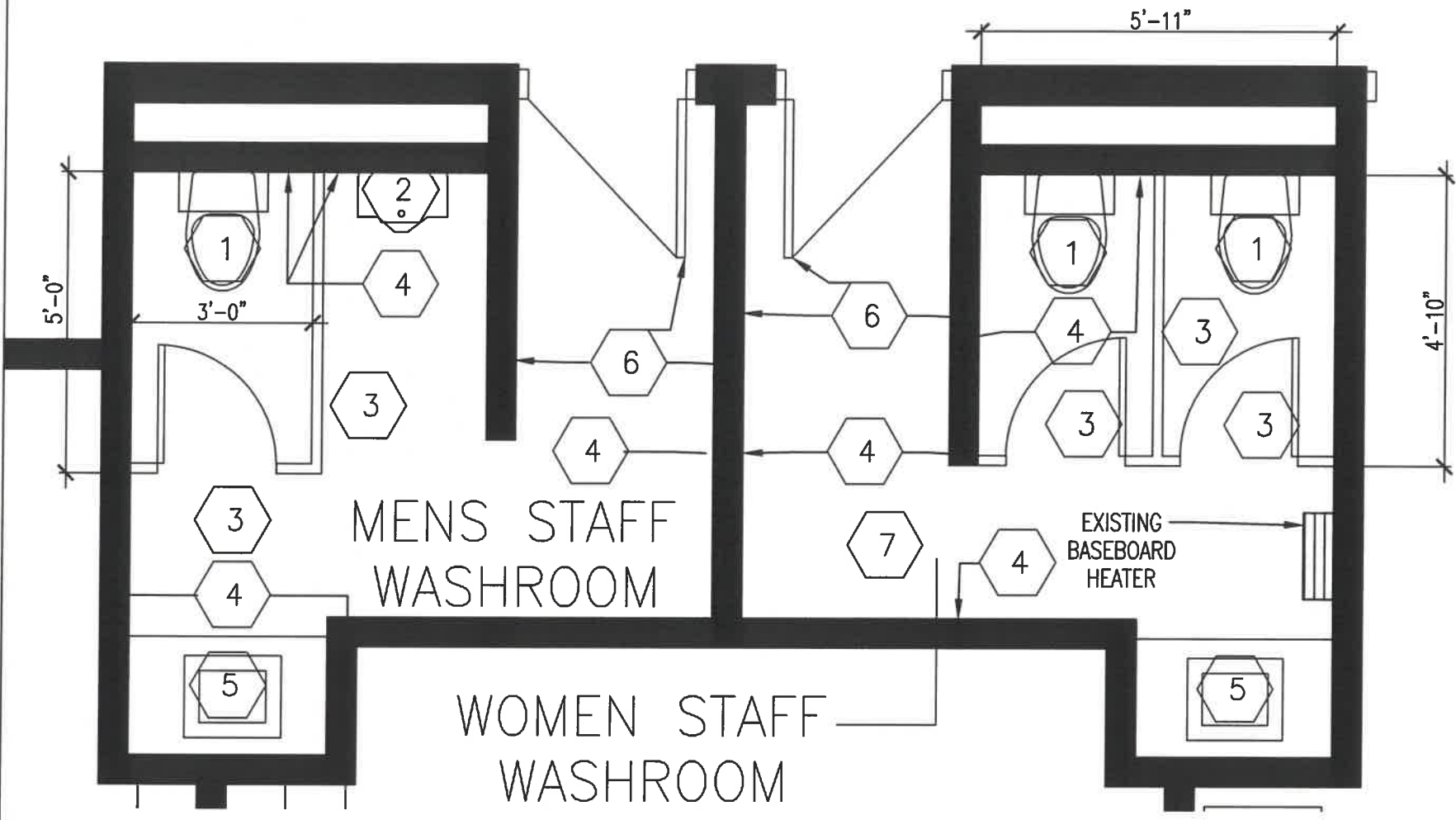
CLIENT
 MON AVENIR
 110, AVENUE DREWRY
 TORONTO, ON
 M2M 1C8

DRAWING
 STAFF WASHROOM -
 DEMOLITION & RENOVATION
 PLAN & NOTES

PROJECT NUMBER 2409	DATE Mar 04, 2025
SCALE AS NOTED	PLOTTED DATE

DRAWING NO.

A202



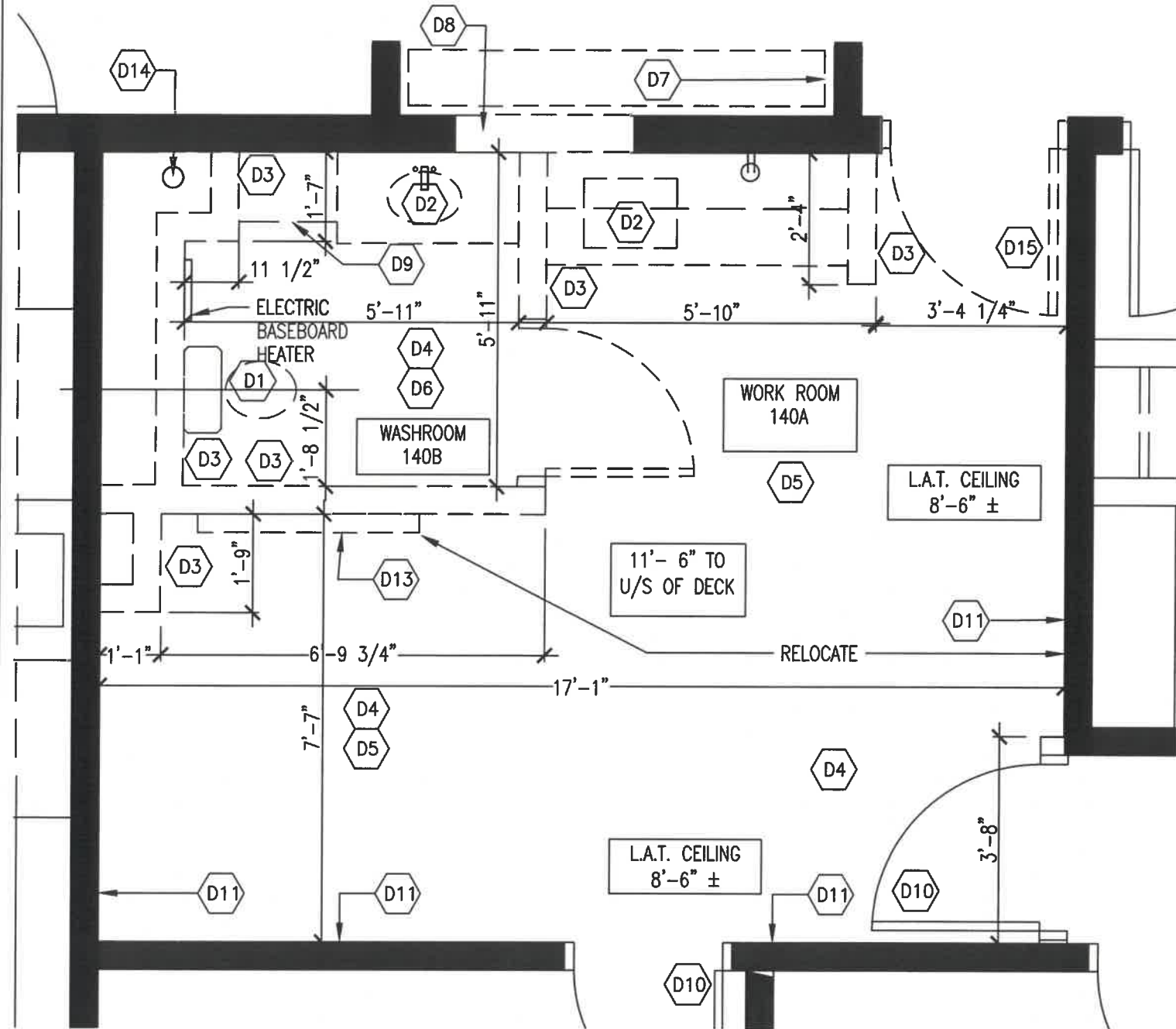
1 STAFF WASHROOM - DEMOLITION + RENOVATION PLAN
 A202 SCALE: 3/8"=1'-0"

DEMOLITION & RENOVATION KEY NOTES:

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
1	EXISTING TOILET TO BE REPLACED. REFER TO MECHANICAL DRAWINGS.	5	EXISTING VANITY AND SINK TO REMAIN.
2	EXISTING WALL MOUNTED URINAL TO BE REPLACED. REFER TO MECHANICAL DRAWINGS.	6	ALL EXISTING DOORS AND WALLS TO REMAIN.
3	EXISTING TOILET PARTITIONS TO BE REMOVED – NEW TOILET PARTITIONS TO BE INSTALLED. REFER TO SPECIFICATIONS. REINSTALL EXISTING TOILET PAPER HOLDERS.	7	EXISTING FLOOR FINISH AND CEILING TO REMAIN.
4	REPAIR AND REPAINT EXISTING WALL OF NEW URINAL.		

WASHROOM - 140A
LAT CEILING @ 8'-6"

WASHROOM - 140B
DRYWALL CEILING @ 7'-10"



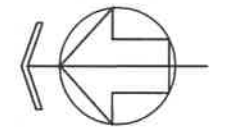
DEMOLITION KEY NOTES:

SYMBOL	DESCRIPTION
D1	EXISTING TOILET TO BE REMOVED AND EXISTING SLAB ON GRADE TO BE REMOVED FOR SANITARY DRAINAGE ALTERATION. - REFER TO MECHANICAL DRAWINGS.
D2	EXISTING VANITY, UPPER & LOWER CUPBOARDS TO BE REMOVED, INCLUDING RELATED PLUMBING - REFER TO MECHANICAL DRAWINGS.
D3	REMOVE EXISTING MASONRY WALLS INCLUDING DOOR & FRAME. EXISTING TOILET PAPER DISPENSER, EXISTING TOWEL DISPENSER, SOAP DISPENSER AND ELECTRIC HAND DRYER TO BE SALVAGED FOR RE-INSTALLATION.
D4	REMOVE EXISTING VINYL TILE FLOORING AND MAKE GOOD FOR NEW PORCELAIN TILE FLOORING, INCLUDING BASE. REFER TO SPECIFICATIONS.
D5	REMOVE EXISTING T-BAR CEILING AND ASSOCIATED MECHANICAL AND ELECTRICAL ITEMS. CAREFULLY REMOVE CEILING TILES AND T-BAR ALONG WALL LABELED (D11) AS EXISTING EXTENDS BEYOND THE WALL. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.
D6	REMOVE EXISTING DRYWALL CEILING AT 7'-6" A.F.F. INCLUDING LIGHT FIXTURE AND EXHAUST GRILLE.
D7	REMOVE EXISTING COAT SHELVING.
D8	REMOVE EXISTING MASONRY WALL FOR NEW DOOR TO NEW WASHROOM. REFER TO DRAWING A204.
D9	REMOVE EXISTING STEEL SHELF.
D10	EXISTING DOORS TO REMAIN.
D11	EXISTING MASONRY WALLS TO REMAIN.
D12	EXISTING PRE-FINISHED DRYWALL PARTITION TO REMAIN.
D13	REMOVE EXISTING TACK BOARD AND RELOCATE AS NOTED.
D14	EXISTING RAINWATER PIPE FROM ROOF DRAIN TO REMAIN.
D15	REMOVE EXISTING DOOR, EXISTING FRAME TO REMAIN. EXISTING CEILING MOUNTED EXIT LIGHT TO BE REMOVED.

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PROJECT
PLUMBING UPGRADES
ÉEC Saint-Jean-Baptiste
1810 BROAD HOLLOW GATE
L5L 3T4
MISSISSAUGA, ONTARIO

CLIENT
MON AVENIR
110, AVENUE DREWRY
TORONTO, ON
M2M 1C8

DRAWING
WASHROOM 140B -
DEMOLITION PLAN

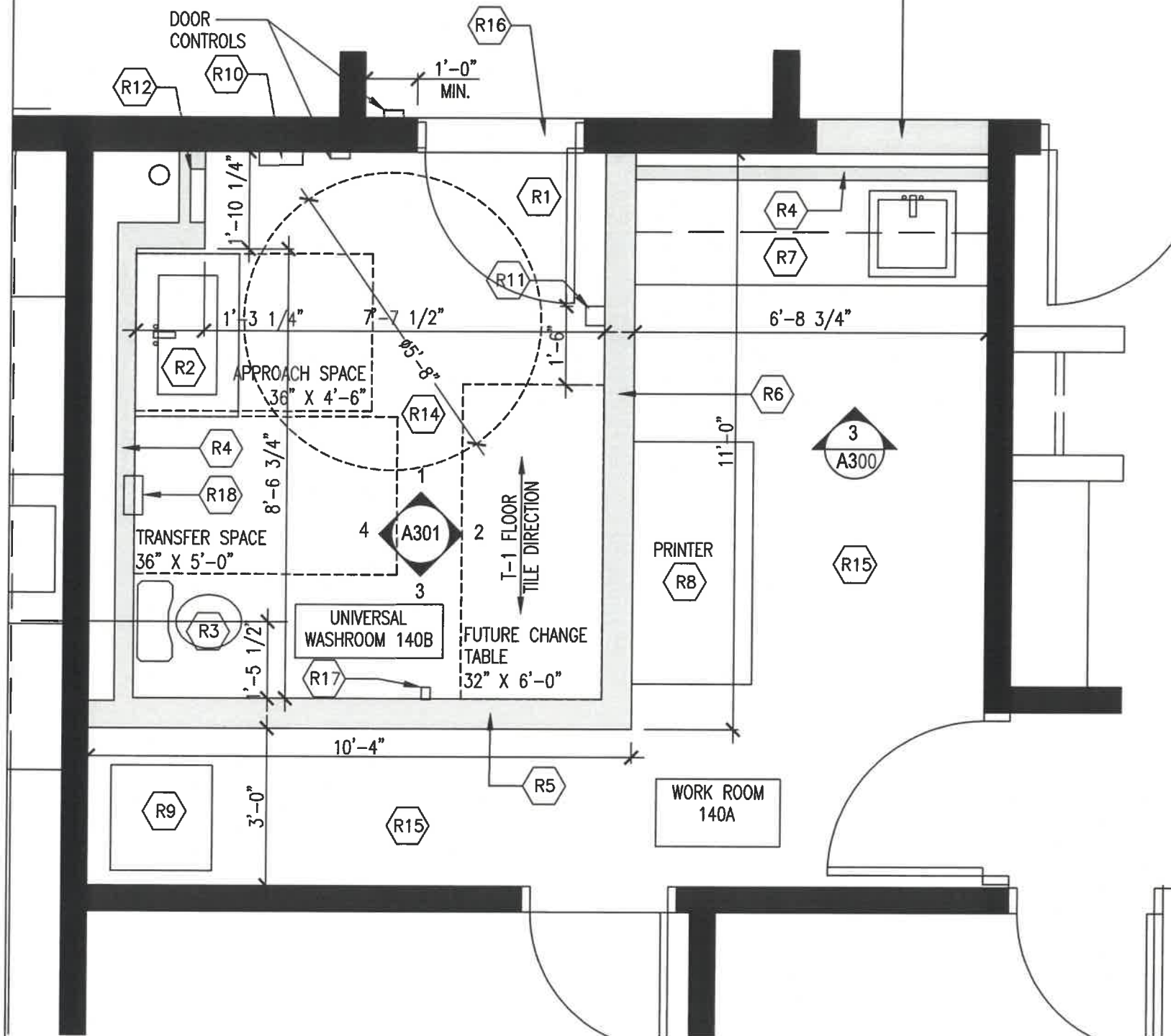
PROJECT NUMBER	DATE
2409	Mar 04, 2025
SCALE	PLOTTED DATE
AS NOTED	

DRAWING NO.

1 WASHROOM 140B - DEMOLITION PLAN
A203 SCALE: 3/8"=1'-0"

A203

EXISTING DOOR OPENING TO BE CLOSED DRYWALL PARTITION (5/8" GYPSUM BOARD BOTH SIDES OF 3 5/8" STEEL STUDS INSIDE EXISTING H.M. FRAME, SPACE FILLED WITH BATT INSULATION. CORRIDOR SIDE TO BE COVERED WITH 3'x7" TACK BOARD.



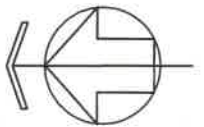
RENOVATION KEY NOTES:

SYMBOL	DESCRIPTION
R1	NEW 3'-2" X 7'-0" X 1 3/4" WOOD 20 MINUTES DOOR WITH NEW HOLLOW METAL FRAME, 1 HR FIRE RATED, PAINTED FINISH WITH NEW 2-5" X 3 1/2" X 3/8" LLV STEEL ANGLES BEARING 8" ON SOLID FILLED MASONRY BLOCK AND SOLID FILLED JAMBS AT CUT MASONRY. RELOCATE EXISTING MECHANICAL AND ELECTRICAL SERVICES AS REQUIRED.
R2	NEW WASHROOM LAVATORY - REFER TO MECHANICAL DRAWINGS.
R3	NEW TOILETS - REFER TO MECHANICAL DRAWINGS.
R4	NEW DRYWALL PAINTED PARTITION - 5/8" GYPSUM BOARD ON 3 5/8" STEEL STUDS AT 12" O.C., BRACED ONTO EXISTING MASONRY WALL. REINFORCE AS REQUIRED FOR NEW GRAB BARS AND ACCESSORIES.
R5	NEW DRYWALL PAINTED PARTITION TO UNDERSIDE OF ROOF DECK ABOVE (15'-4" ± A.F.F.) STUDS AT 16" O.C., FILLED WITH BATT INSULATION. REINFORCE AS REQUIRED FOR NEW GRAB BARS AND ACCESSORIES.
R6	NEW DRYWALL PARTITION TO UNDERSIDE OF ROOF DECK ABOVE (15'-4" A.F.F.) 5/8" GYPSUM BOARD ON 1" PLYWOOD (ON 3 5/8" STEEL STUDS AT 12" O.C. WITH 5/8" GYPSUM BOARD ON WORKROOM SIDE, FILLED WITH BATT INSULATION. REINFORCE AS REQUIRED FOR NEW MILLWORK.
R7	NEW WORKROOM CABINET (MILLWORK) COMPLETE WITH NEW SINK. REFER TO ELEVATION 1/A301 AND MECHANICAL DRAWINGS.
R8	EXISTING PRINTER (N.I.C.)
R9	EXISTING REFRIGERATOR (N.I.C.)
R10	RELOCATED PAPER TOWEL DISPENSER - REFER TO NORTH ELEVATION, DWG 4/A301.
R11	RELOCATED ELECTRIC DRYER - REFER TO SOUTH ELEVATION, DWG 2/A301.
R12	RECESSED WASTE PAPER RECEPTACLE - REFER TO SPECIFICATIONS.
R13	RECESSED NAPKIN DISPOSAL UNIT - REFER TO SPECIFICATIONS.
R14	NEW PORCELAIN TILE FLOORING AND BASE - REFER TO SPECIFICATIONS.
R15	NEW VINYL TILE FLOORING AND 4" HIGH BASE - REFER TO SPECIFICATIONS.
R16	NEW ALUMINUM THRESHOLD - REFER TO SPECIFICATIONS.
R17	COAT HOOK - REFER TO SPECIFICATIONS.
R18	RECESSED SANITARY NAPKIN DISPOSAL UNIT.

DENIS GERALD RIOUX
ARCHITECT
63 HEMAN STREET, TORONTO, ONTARIO M8V 1K4

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NORTH



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ALL CONSTRUCTION TO BE ACCORDING TO BEST COMMON PRACTICE AND CONFORM TO THE ONTARIO BUILDING CODE IN EFFECT AT THE TIME.

PROJECT
PLUMBING UPGRADES
ÉCÉ Saint-Jean-Baptiste
1810 BROAD HOLLOW GATE
L5L 3T4
MISSISSAUGA, ONTARIO

CLIENT
MON AVENIR
110, AVENUE DREWRY
TORONTO, ON
M2M 1C8

DRAWING
NEW UNIVERSAL WASHROOM
140B

PROJECT NUMBER 2409	DATE Mar 04, 2025
SCALE AS NOTED	PLOTTED DATE

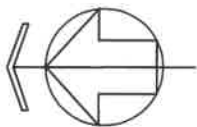
DRAWING NO.

A204

1 **NEW UNIVERSAL WASHROOM 140B**
A204 SCALE: 3/8"=1'-0"

NO.	DATE	REVISIONS
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NORTH



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PROJECT
 PLUMBING UPGRADES
 ÉC Saint-Jean-Baptiste
 1910 BROAD HOLLOW GATE
 L5L 3T4
 MISSISSAUGA, ONTARIO

CLIENT
 MON AVENIR
 110, AVENUE DREWRY
 TORONTO, ON
 M2M 1C8

DRAWING
 WORK ROOM 140A AND
 UNIVERSAL WASHROOM 140B
 - REFLECTED CEILING PLAN

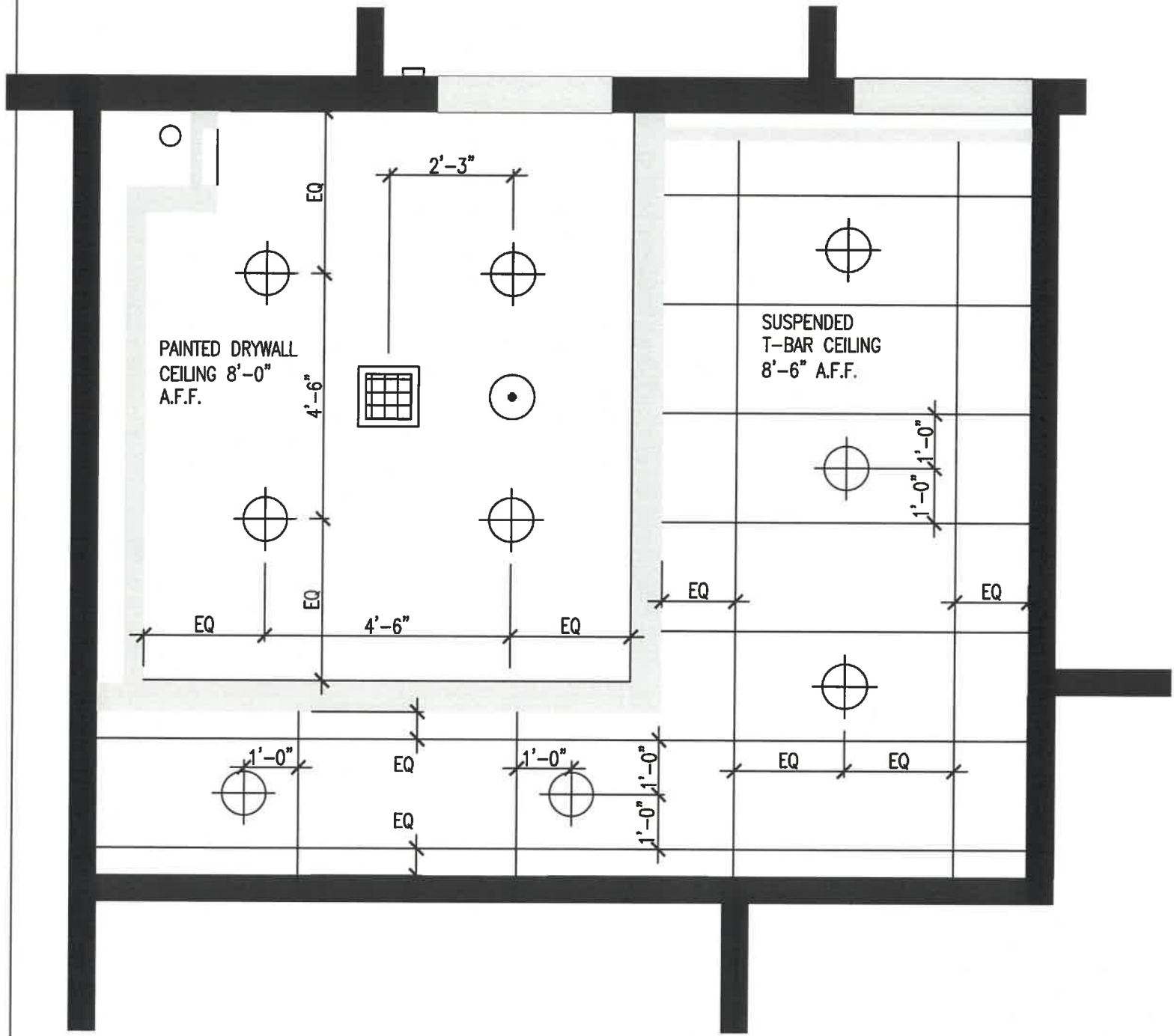
PROJECT NUMBER 2409	DATE Mar 04, 2025
SCALE AS NOTED	PLOTTED DATE

DRAWING NO.

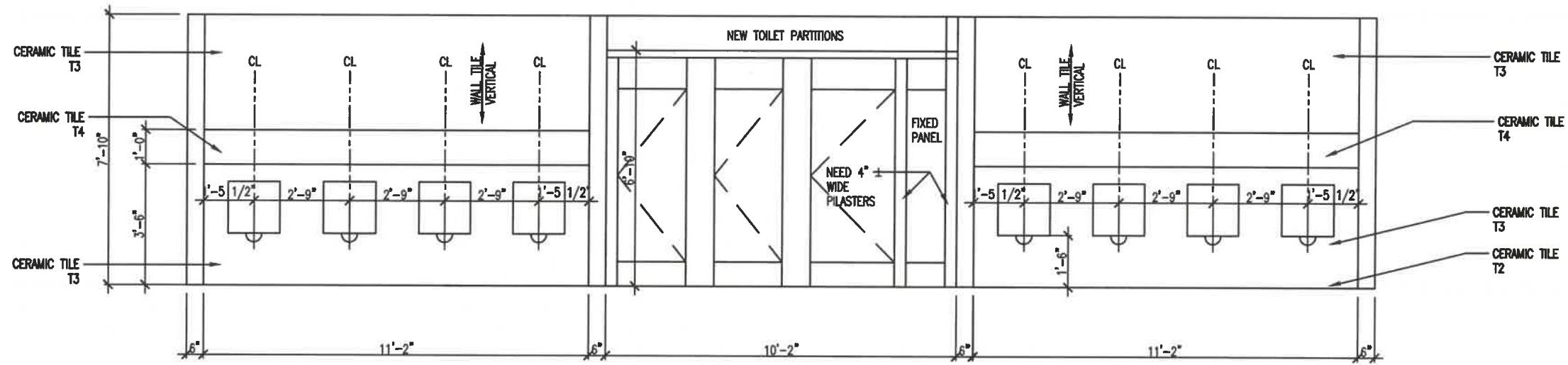
A205

NOTES:

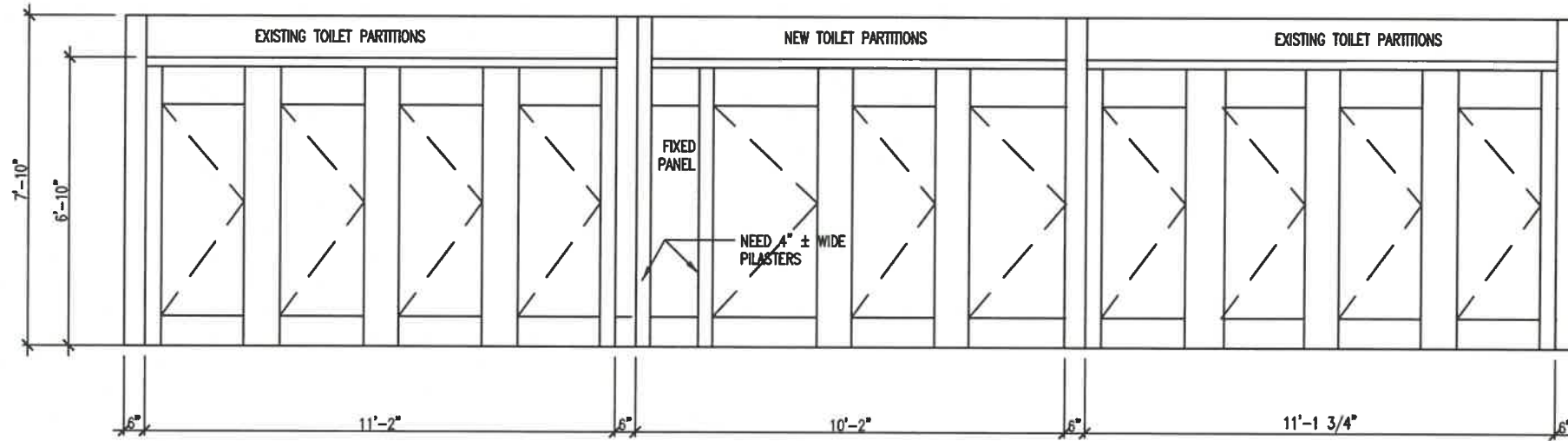
	POT LIGHT – REFER TO ELECTRICAL DRAWINGS
	OCCUPANCY SENSOR – REFER TO ELECTRICAL DRAWINGS
	EXHAUST FAN – REFER TO MECHANICAL DRAWINGS



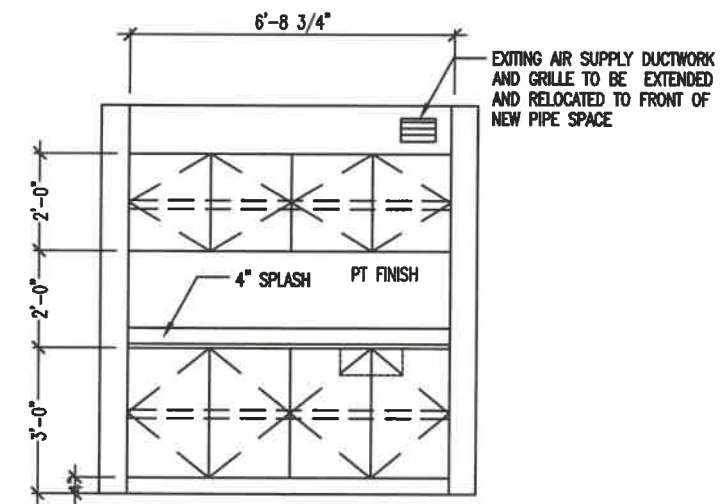
1 WORKROOM 140A AND UNIVERSAL WASHROOM 140B - REFLECTED CEILING PLAN
 A205 SCALE: 3/8"=1'-0"



1 **BOYS WASHROOM - ELEVATION**
 A300 SCALE: 1/4"=1'-0"



2 **GIRLS WASHROOM - ELEVATION**
 A300 SCALE: 1/4"=1'-0"



3 **WORKROOM ELEVATION**
 A300 SCALE: 1/4"=1'-0"

DENIS GERALD RIOUX
 ARCHITECT
 63 HEMAN STREET, TORONTO, ONTARIO M8V 1K4

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PROJECT
 PLUMBING UPGRADES
 ÉEC Saint-Jean-Baptiste
 1910 BROAD HOLLOW GATE
 L5L 3T4
 MISSISSAUGA, ONTARIO

CLIENT
 MON AVENIR
 110, AVENUE DREWRY
 TORONTO, ON
 M2M 1C8

DRAWING
 BOYS & GIRLS WASHROOM &
 WORK ROOM ELEVATIONS

PROJECT NUMBER 2409	DATE Mar 04, 2025
SCALE AS NOTED	PLOTTED DATE

DRAWING NO.

A300

ITEM	WASHROOM ACCESSORIES	MOUNTING HEIGHT	ITEM	WASHROOM ACCESSORIES	MOUNTING HEIGHT
TTD	TOILET TISSUE DISPENSER (EXISTING-REINSTALL)	24" (660 MM) A.F.F.	HD	HAND DRYER IN BARRIER-FREE WRs (REFER TO INT. ELEV.) (EXISTING-REINSTALL)	3'-11" (1200 MM)
PTD	PAPER TOWEL DISPENSER IN BARRIER-FREE WASHROOMS: (EXISTING-REINSTALL)	3'- 11" (1200 MM) A.F.F.	TD	RECESSED PAPER TOWEL DISPOSAL UNIT	3'-7" (1000 MM) TO TOP OF DISPOSAL BIN - REFER TO SPECIFICATIONS.
SD	LIQUID SOAP DISPENSER IN BARRIER-FREE WASHROOM: (EXISTING-REINSTALL)	3'- 11" (1200 MM) A.F.F. MAX			
SND	RECESSED SANITARY NAPKIN DISPOSAL	850 MM A.F.F.			
MR1	MIRROR TYPE 1 (457X760) TILTED B-F	3'-3 1/2" (1000 MM) A.F.F.			
GB	GRAB BAR	B.F. STANDARD (O.B.C.)			

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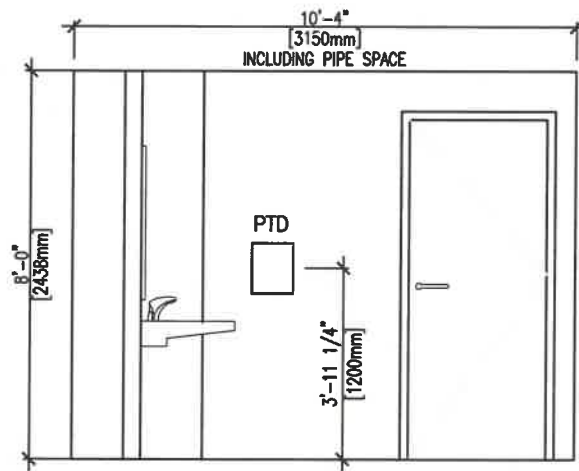
PROJECT
PLUMBING UPGRADES
ÉEC Saint-Jean-Baptiste
1910 BROAD HOLLOW GATE
L5L 3T4
MISSISSAUGA, ONTARIO

CLIENT
MON AVENIR
110, AVENUE DREWRY
TORONTO, ON
M2M 1C8

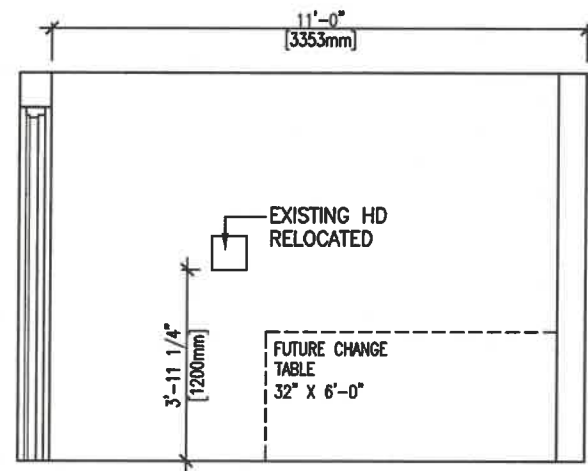
DRAWING
WORKROOM 140A, UNIVERSAL
WASHROOM, AND WASHROOM
ACCESSORIES ELEVATIONS

PROJECT NUMBER 2409	DATE Mar 04, 2025
SCALE AS NOTED	PLOTTED DATE

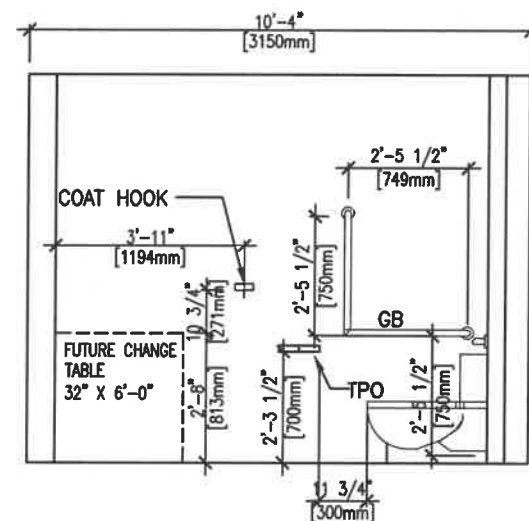
DRAWING NO.



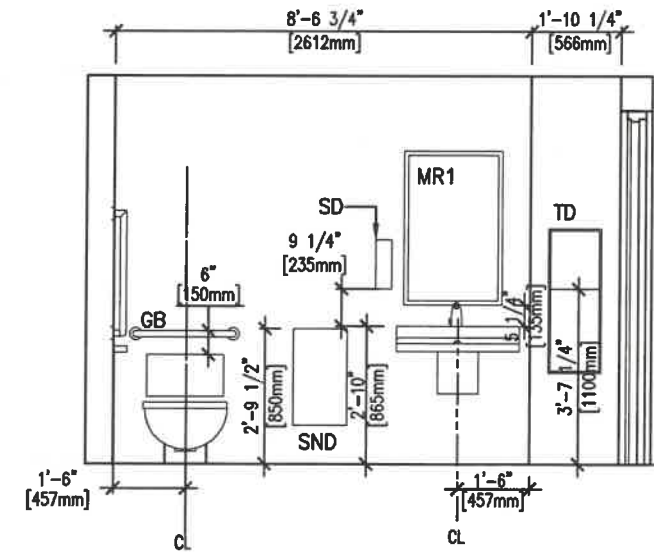
1 EAST ELEVATION
A301 SCALE: 1/4"=1'-0"



2 SOUTH ELEVATION
A301 SCALE: 1/4"=1'-0"



3 WEST ELEVATION
A301 SCALE: 1/4"=1'-0"



4 NORTH ELEVATION
A301 SCALE: 1/4"=1'-0"

A301

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PROJECT
PLUMBING UPGRADES

ÉÉC SAINT-JEAN-BAPTISTE
MISSISSAUGA, ON

CLIENT



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PART GROUND FLOOR
PLAN - PLUMBING

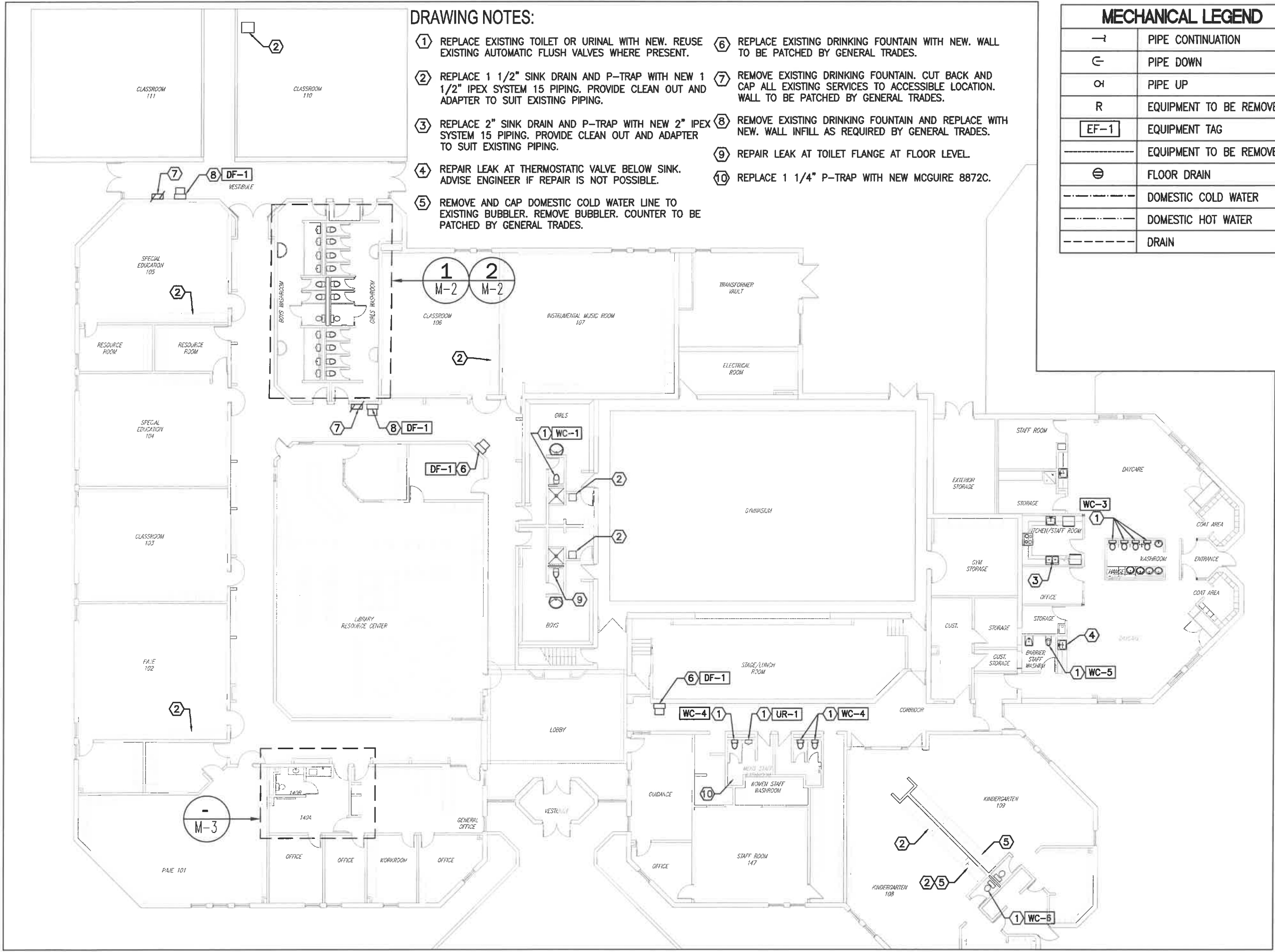
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JP/GL 24017 M-1

DRAWING NOTES:

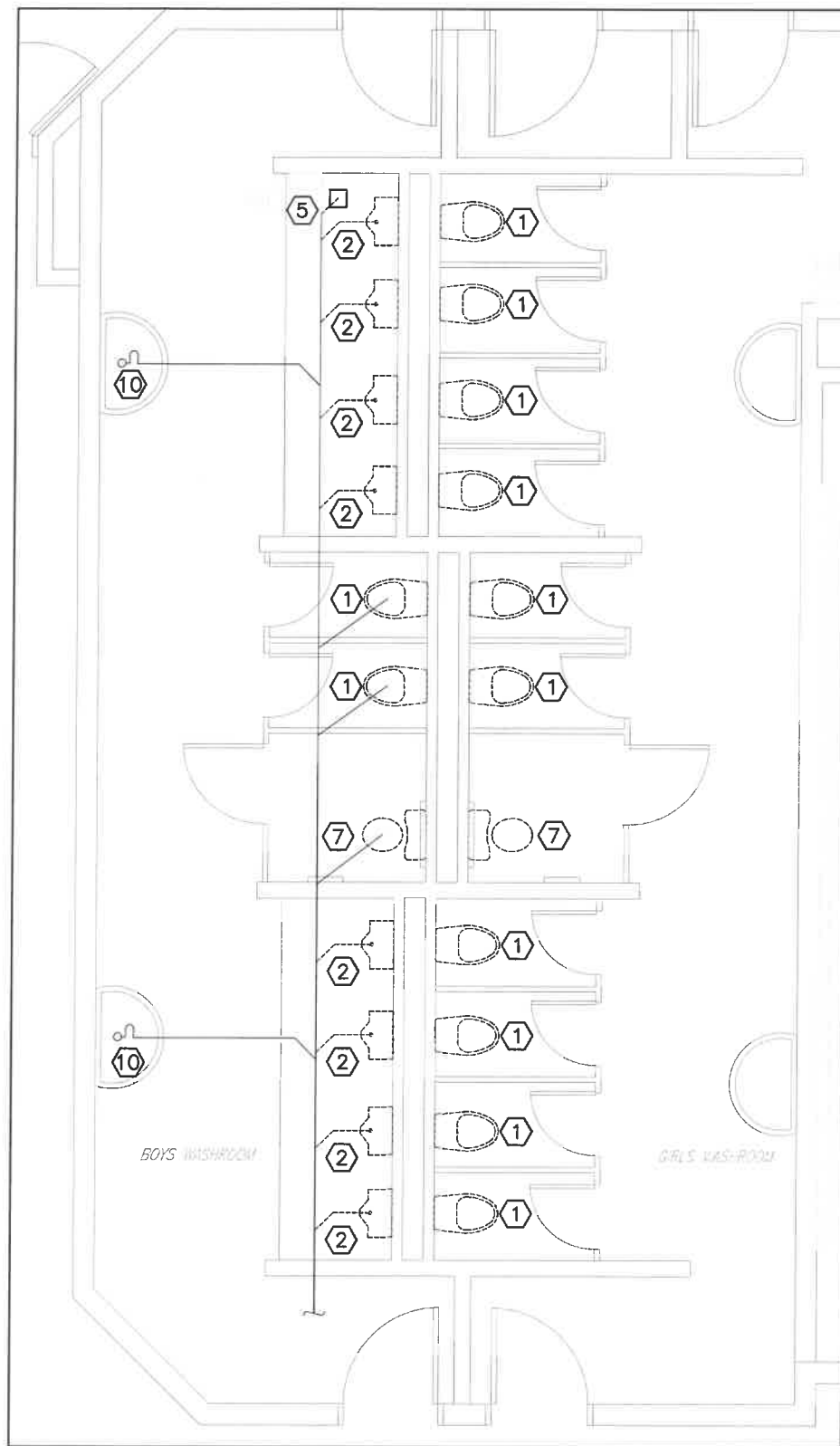
- ① REPLACE EXISTING TOILET OR URINAL WITH NEW. REUSE EXISTING AUTOMATIC FLUSH VALVES WHERE PRESENT.
- ② REPLACE 1 1/2" SINK DRAIN AND P-TRAP WITH NEW 1 1/2" IPEX SYSTEM 15 PIPING. PROVIDE CLEAN OUT AND ADAPTER TO SUIT EXISTING PIPING.
- ③ REPLACE 2" SINK DRAIN AND P-TRAP WITH NEW 2" IPEX SYSTEM 15 PIPING. PROVIDE CLEAN OUT AND ADAPTER TO SUIT EXISTING PIPING.
- ④ REPAIR LEAK AT THERMOSTATIC VALVE BELOW SINK. ADVISE ENGINEER IF REPAIR IS NOT POSSIBLE.
- ⑤ REMOVE AND CAP DOMESTIC COLD WATER LINE TO EXISTING BUBBLER. REMOVE BUBBLER. COUNTER TO BE PATCHED BY GENERAL TRADES.
- ⑥ REPLACE EXISTING DRINKING FOUNTAIN WITH NEW. WALL TO BE PATCHED BY GENERAL TRADES.
- ⑦ REMOVE EXISTING DRINKING FOUNTAIN. CUT BACK AND CAP ALL EXISTING SERVICES TO ACCESSIBLE LOCATION. WALL TO BE PATCHED BY GENERAL TRADES.
- ⑧ REMOVE EXISTING DRINKING FOUNTAIN AND REPLACE WITH NEW. WALL INFILL AS REQUIRED BY GENERAL TRADES.
- ⑨ REPAIR LEAK AT TOILET FLANGE AT FLOOR LEVEL.
- ⑩ REPLACE 1 1/4" P-TRAP WITH NEW MCGUIRE 8872C.

MECHANICAL LEGEND

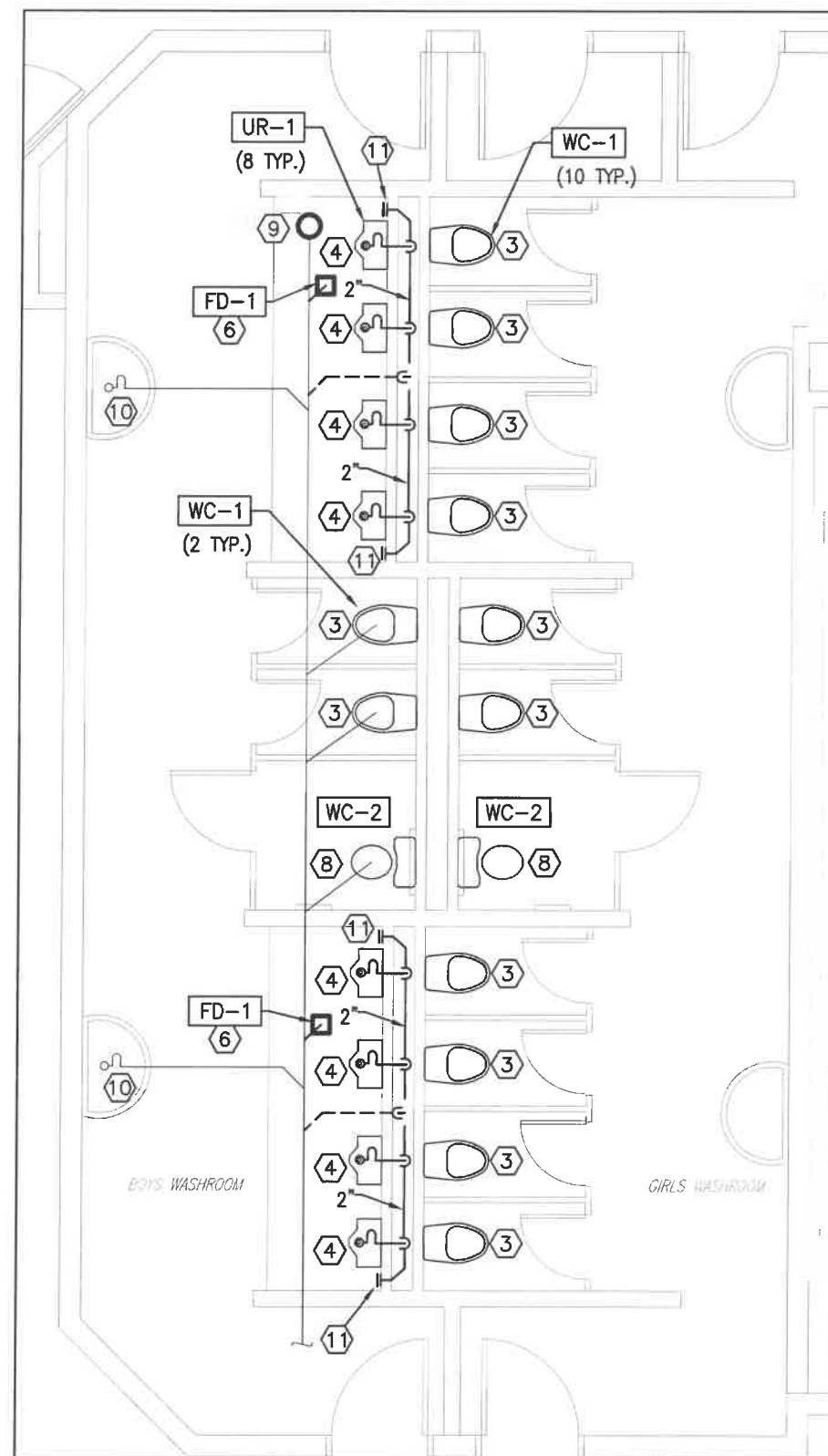
—	PIPE CONTINUATION
⊖	PIPE DOWN
⊕	PIPE UP
R	EQUIPMENT TO BE REMOVED
EF-1	EQUIPMENT TAG
---	EQUIPMENT TO BE REMOVED
⊖	FLOOR DRAIN
---	DOMESTIC COLD WATER
---	DOMESTIC HOT WATER
---	DRAIN



1 PLUMBING — DEMO & NEW
SCALE: N.T.S.



1 PLUMBING - DEMO
SCALE: 3/16" = 1'0"



2 PLUMBING - NEW
SCALE: 3/16" = 1'0"

DRAWING NOTES:

- ① REMOVE EXISTING TOILET. RETAIN FLUSH VALVE FOR RE-INSTALLATION.
- ② REMOVE EXISTING FLOOR-MOUNTED URINAL. RETAIN FLUSH VALVE FOR RE-INSTALLATION. REMOVE BELOW GRADE DRAINAGE LINE TO URINAL AS SHOWN.
- ③ REPLACE EXISTING TOILET WITH NEW. REINSTALL EXISTING AUTOMATIC FLUSH VALVE.
- ④ NEW WALL-MOUNTED URINAL C/W CARRIER. REINSTALL EXISTING AUTOMATIC FLUSH VALVE. PROVIDE NEW DRAINAGE LINES AS SHOWN IN WALL AND CONNECT TO EXISTING BELOW FLOOR. CUTTING/PATCHING OF FLOOR AND WALL BY GENERAL TRADES.
- ⑤ REMOVE EXISTING FLOOR DRAIN OR CLEAN OUT FOR TILE REMOVAL BY OTHERS.
- ⑥ PROVIDE NEW FLOOR DRAIN WITH TRAP SEAL PRIMER, CONNECT TO EXISTING DRAINAGE LINE.
- ⑦ REMOVE EXISTING TOILET. TURN OVER EXISTING FLUSH VALVE TO CLIENT.
- ⑧ REPLACE EXISTING TOILET WITH NEW INCLUDING NEW FLUSH VALVE AND SEAT WITH COVER.
- ⑨ NEW CLEAN OUT FOR MAIN DRAINAGE LINE. CONFIRM SIZE ON SITE.
- ⑩ TEMPORARILY REMOVE WASHFOUNTAINS FOR NEW FLOOR TILE INSTALLATION. REINSTALL ON COMPLETION.
- ⑪ CLEAN OUT WITH STAINLESS STEEL ROUND COVER.

Do not scale drawing.

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PROJECT
PLUMBING UPGRADES
ÉÉC SAINT-JEAN-BAPTISTE
MISSISSAUGA, ON

CLIENT
MonAvenir
CONSEIL SCOLAIRE CATHOLIQUE

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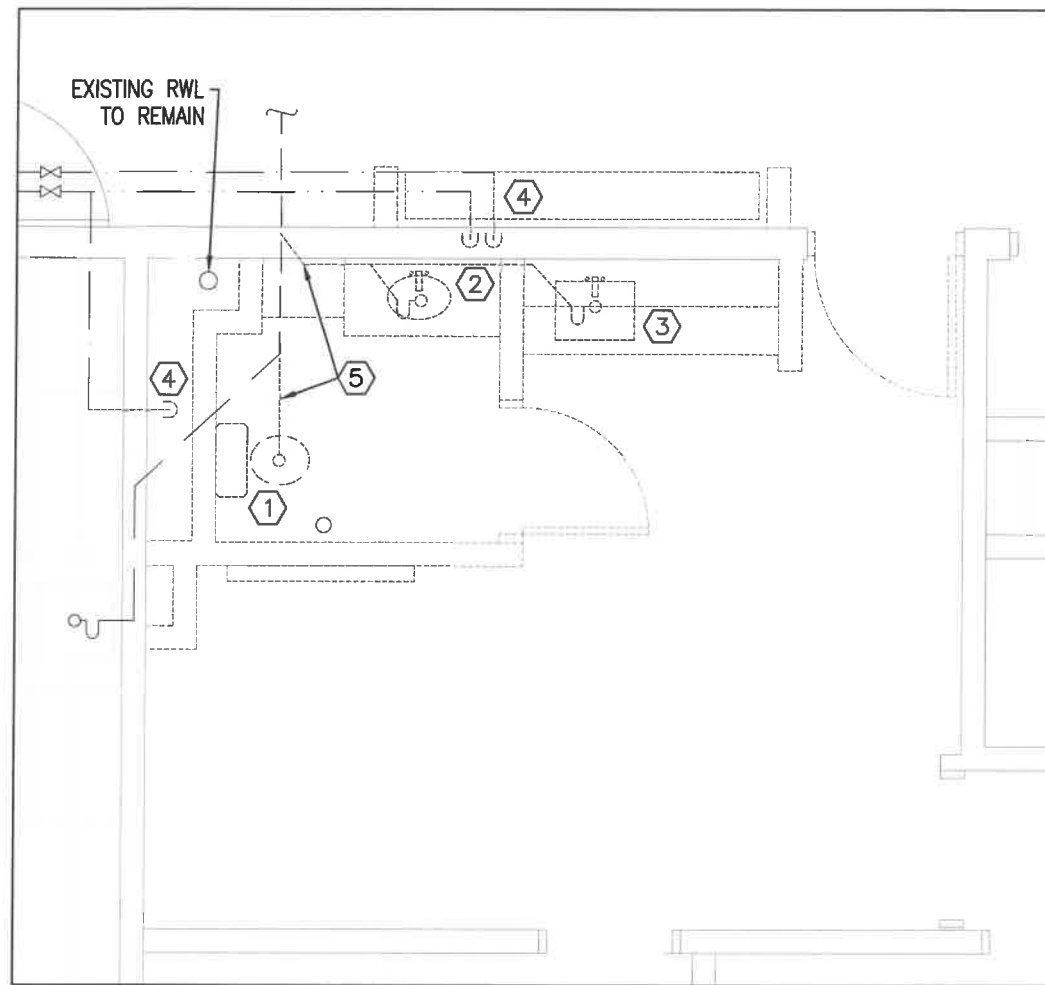
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PLUMBING
BOYS AND GIRLS
WASHROOM

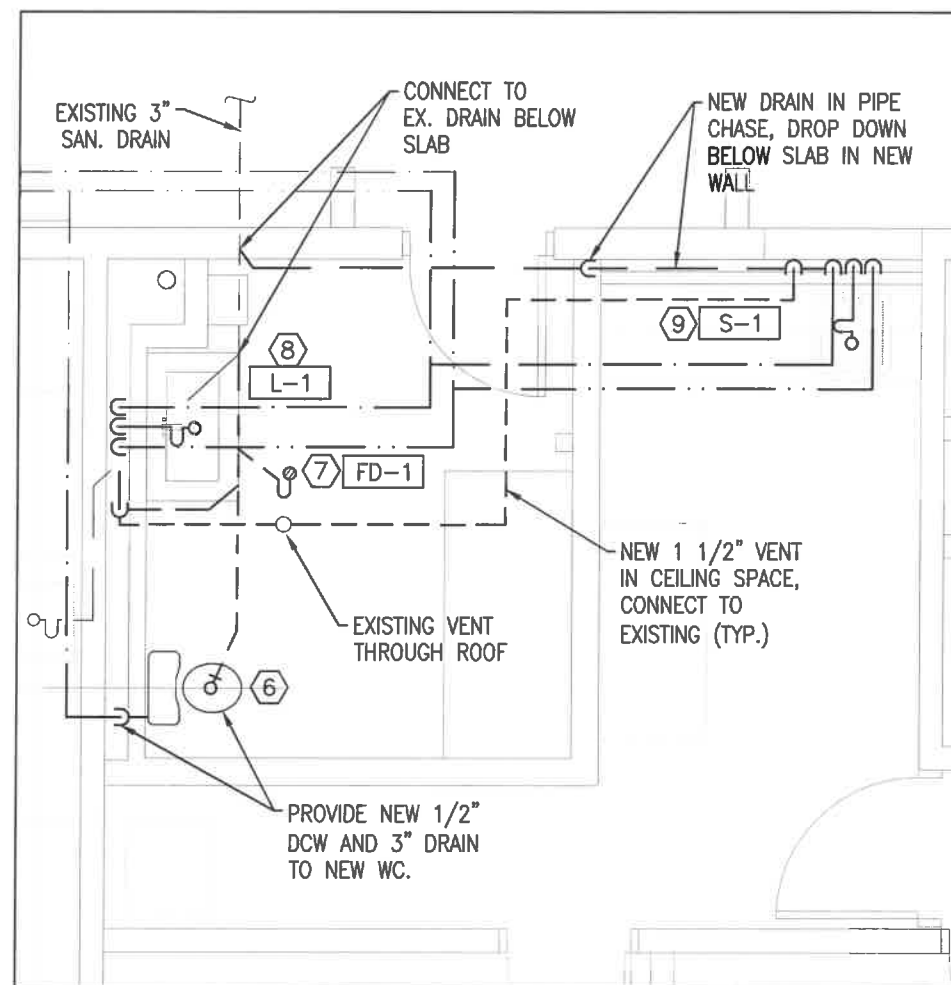
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JP/GL 24017 M-2

DRAINAGE SCHEDULE

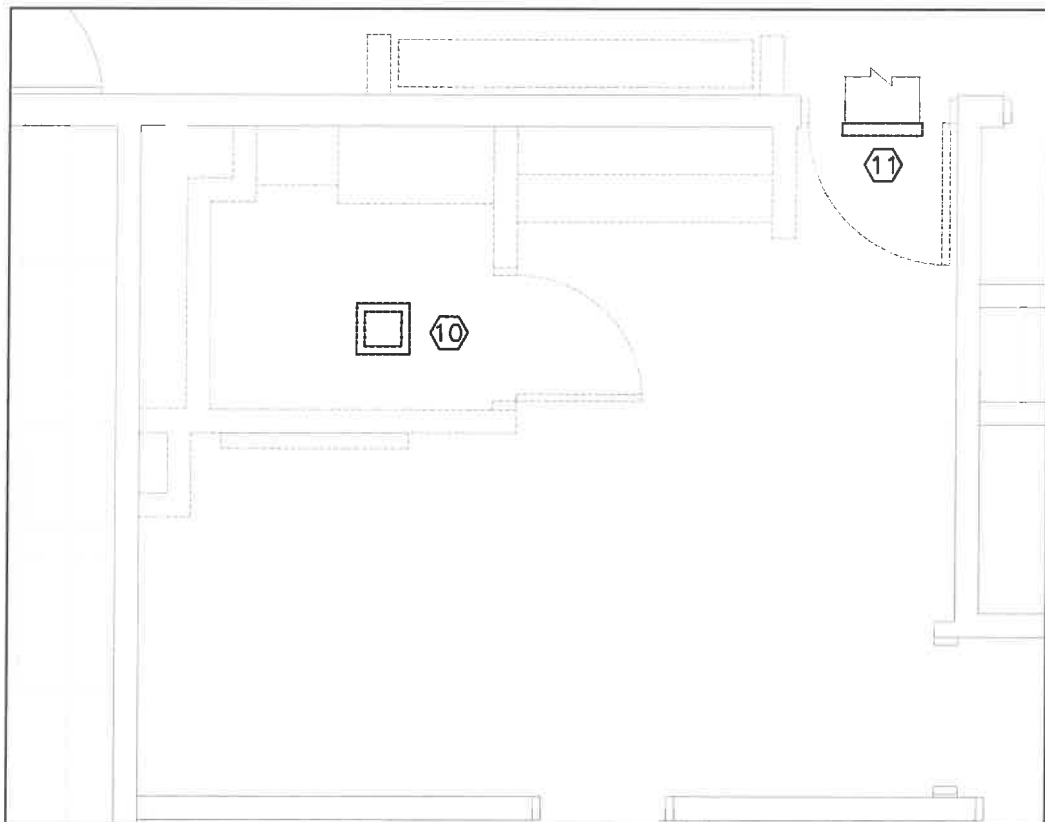
TAG	MAKE	MODEL	DESCRIPTION	BODY MATERIAL	STRAINER	OUTLET SIZE
FD-1	WATTS	FD-103-P-M5-7	FINISHED AREA, TRAP PRIMER TAPPING, FLOOR DRAIN, ANCHOR FLANGE, REVERSIBLE MEMBRANE CLAMP, COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES. PROVIDE SERIES A200 TRAP SEAL PRIMER.	EPOXY COATED CAST IRON, STANDARD BODY MATERIAL	ADJUSTABLE, 6 MM (1/4") THICK TOP, SQUARE 5"x5" NICKEL BRONZE STRAINER	76 MM (3") PIPE SIZE, PUSH-ON OUTLET



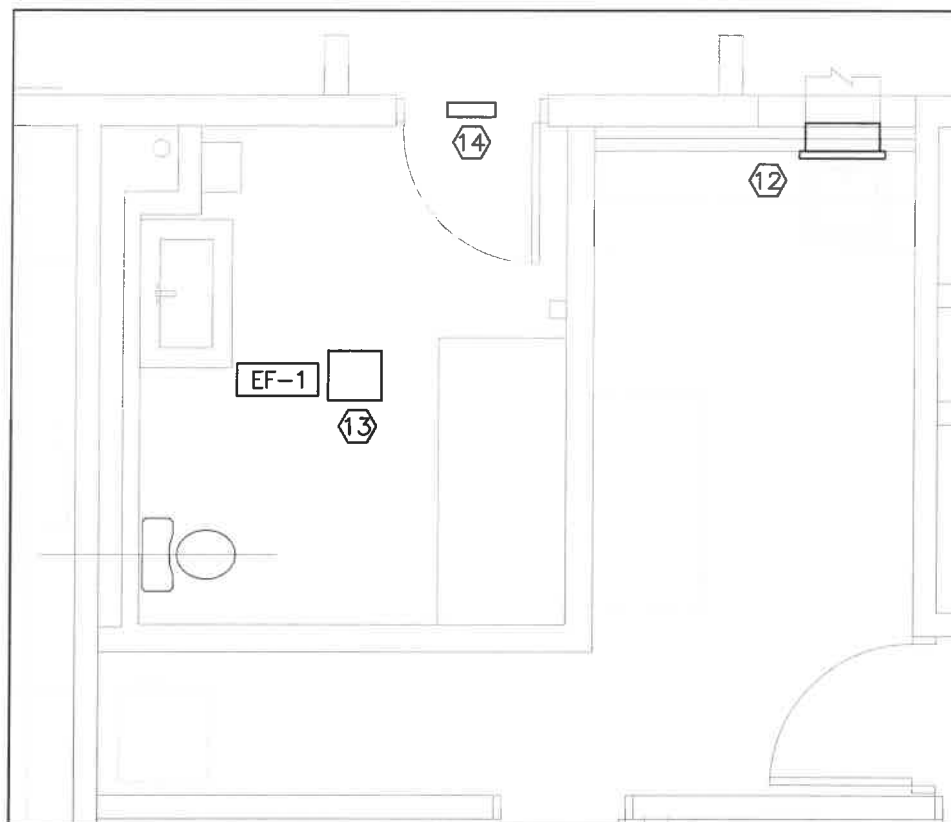
1 PLUMBING - DEMO
SCALE: 1/4" = 1'0"



2 PLUMBING - NEW
SCALE: 1/4" = 1'0"



3 HVAC - DEMO
SCALE: 1/4" = 1'0"



4 HVAC - NEW
SCALE: 1/4" = 1'0"

DRAWING NOTES:

- ① REMOVE EXISTING TOILET.
- ② REMOVE EXISTING LAVATORY AND FAUCET.
- ③ REMOVE EXISTING SINK AND FAUCET.
- ④ CUT BACK EXISTING DOMESTIC WATER LINES TO CEILING IN PREPARATION FOR NEW WORK.
- ⑤ CUT BACK EXISTING DRAINAGE LINES BELOW SLAB. CUTTING/PATCHING OF FLOOR BY GENERAL TRADES.
- ⑥ NEW BARRIER-FREE TOILET. PROVIDE NEW DRAINAGE LINES AS SHOWN AND CONNECT TO EXISTING BELOW FLOOR. CUTTING/PATCHING OF FLOOR BY GENERAL TRADES.
- ⑦ PROVIDE NEW FLOOR DRAIN, CONNECT TO EXISTING DRAINAGE LINE.
- ⑧ PROVIDE NEW LAVATORY C/W THERMOSTATIC VALVE UNDER SHROUD. ROUTE SERVICES IN NEW PIPE CHASE.
- ⑨ PROVIDE NEW COUNTER-MOUNTED SINK. ROUTE SERVICES IN NEW PIPE CHASE.
- ⑩ REMOVE EXISTING EXHAUST FAN.
- ⑪ EXISTING EXHAUST GRILLE TO BE REMOVED.
- ⑫ EXTEND EXISTING EXHAUST FLUSH WITH NEW WALL. PROVIDE NEW ALUMINUM LOUVERED GRILLE EQUAL TO EH PRICE 630SF. SIZE TO MATCH EXISTING DUCT.
- ⑬ NEW CEILING MOUNTED EXHAUST FAN. CONNECT TO EXISTING DUCTWORK. MOUNT SPEED CONTROLLER IN CEILING SPACE. BALANCE TO 100 CFM.
- ⑭ NEW 12x10 SIGHTPROOF DOOR TRANSFER GRILLE EQUAL TO EH PRICE ATG1-BF.

ALL DOMESTIC HOT AND COLD WATER LINES SHALL BE 1/2" UNLESS OTHERWISE NOTED. INSULATE ALL NEW DOMESTIC WATER LINES.

PROVIDE ISOLATION VALVES AS REQUIRED TO ALLOW ISOLATION OF ALL INDIVIDUAL PLUMBING FIXTURES. COORDINATE LOCATION OF ACCESS DOORS WITH GENERAL TRADES.

Do not scale drawing.

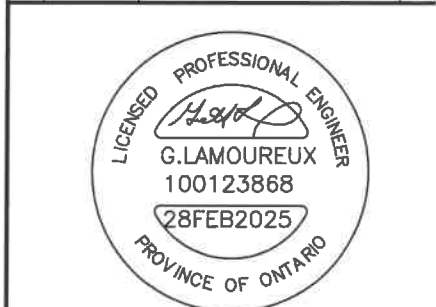
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PROJECT
PLUMBING UPGRADES
ÉEC SAINT-JEAN-BAPTISTE
MISSISSAUGA, ON

CLIENT
MonAvenir
CONSEIL SCOLAIRE CATHOLIQUE

REVISIONS			
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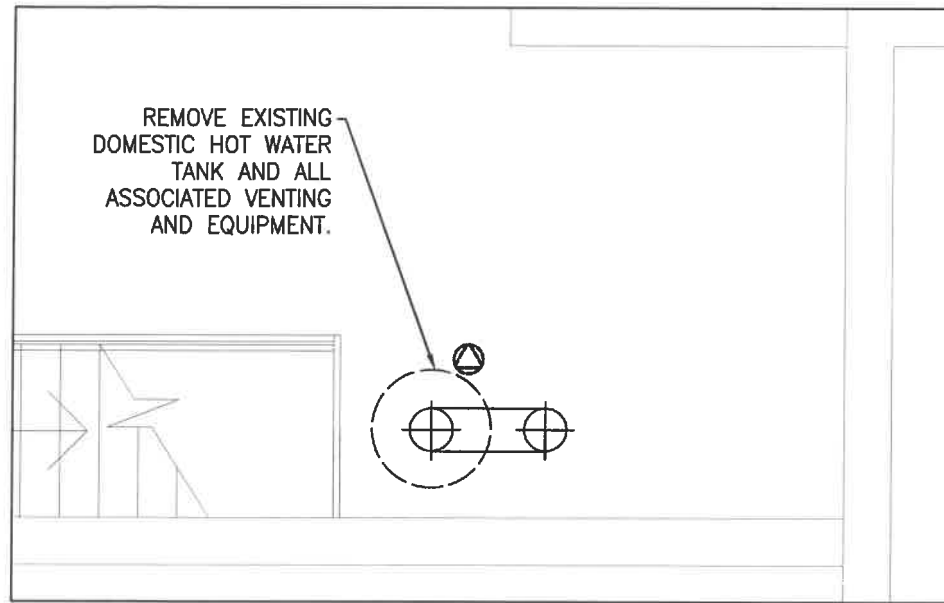


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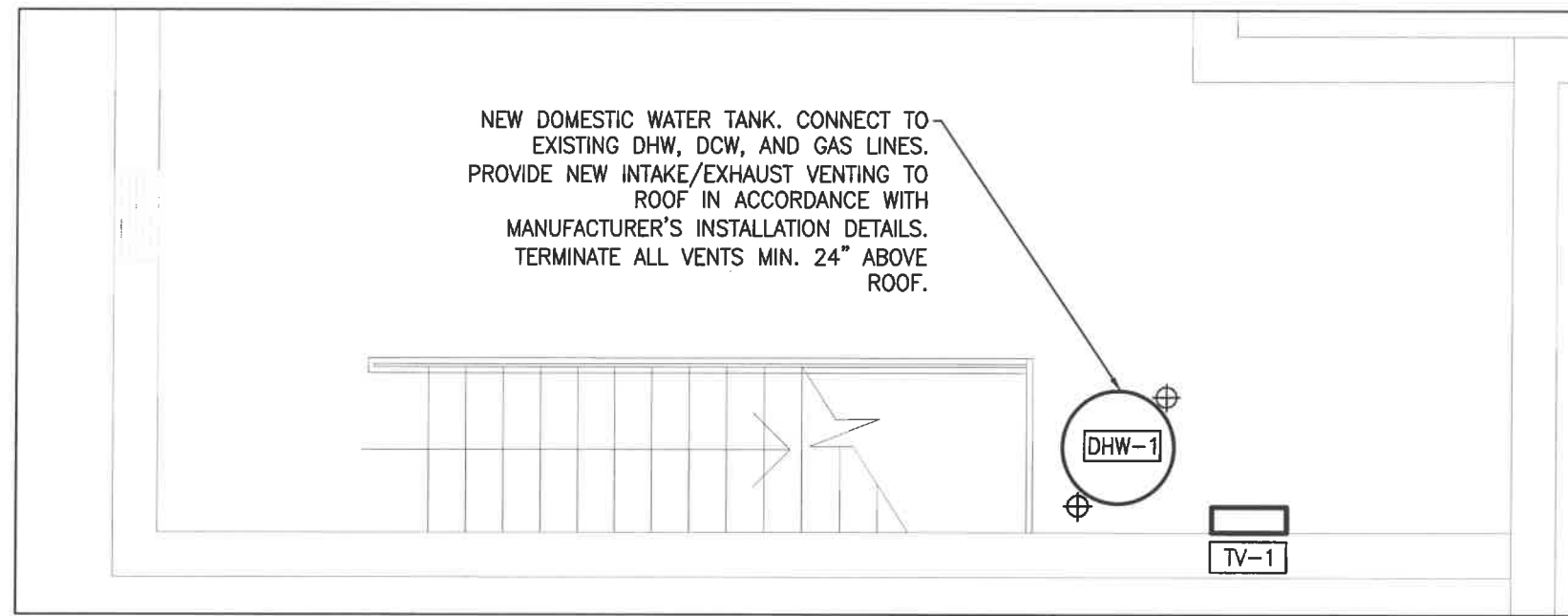
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PLUMBING & HVAC
NEW UNIVERSAL
WASHROOM

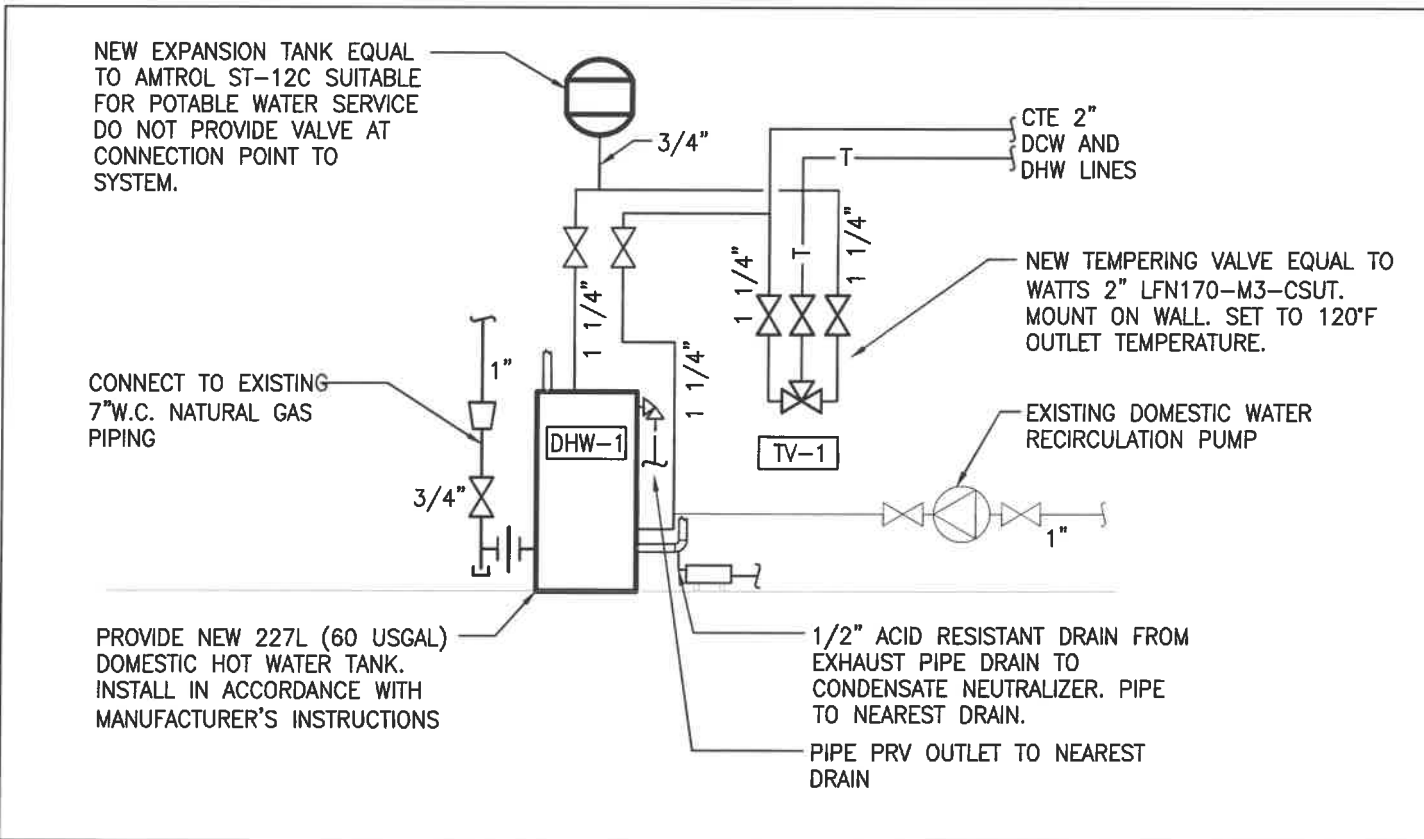
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JP/GL 24017 M-3



1 PART SECOND FLOOR – PLUMBING DEMO
SCALE: 1/4" = 1'0"



2 PART SECOND FLOOR – NEW PLUMBING
SCALE: 1/4" = 1'0"



3 DOMESTIC HOT WATER SYSTEM SCHEMATIC – NEW
SCALE: N.T.S.

GAS-FIRED WATER HEATER

TAG	SERVICE	LOCATION	MANUFACTURER	TYPE	MODEL	SIZE	GAS CONNECTION SIZE	HEATING CAPACITY	EFFICIENCY	RECOVERY (LPH @ 44C)	ELECTRICAL	SHIPPING WT. (KG)
DHW-1	DOMESTIC HOT WATER	MECHANICAL ROOM	A.O. SMITH	CYCLONE Mxi MODULATING	BTH-120	227L	20mm (3/4")	35 KW	95%	654	120VAC/1PH	208

Do not scale drawing.

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PROJECT

PLUMBING UPGRADES

ÉEC SAINT-JEAN-BAPTISTE
MISSISSAUGA, ON

CLIENT



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SCALE: N.T.S. DATE: FEB 2025

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PART SECOND FLOOR
PLAN, SCHEMATICS, AND
SCHEDULES

DRAWN/CHK'D PROJECT NO. DWG NO.
JP/GL 24017 M-4

PLUMBING FIXTURES SCHEDULE

TAG	SERVES	MANUFACTURER	MODEL NUMBER	DESCRIPTION	ROUGH IN				FAUCET/FLUSH VALVE	ACCESSORIES	REMARKS/COMMENTS
					DRAIN	VENT	HOT	COLD			
UR-1	STUDENT WR	AMERICAN STANDARD	6590001.020	WASHBROOK® FLOWISE®, WALL-HUNG, FLUSH VALVE URINAL, STANDARD USE, VITREOUS CHINA, WHITE FINISH, 19 MM (3/4") SPUD CONNECTION, TOP SPUD, URINAL OPERATES IN THE RANGE OF 0.5 TO 3.8 LPF (0.125 - 1.0 GPF), POWERFUL WASHDOWN	2"	1 1/2"	N/A	3/4"	EXISTING FLUSH VALVE	CARRIER: WATTS CA-311, URINAL CARRIER, WALL PLATE COUPLING: MISSION CK 22	PROVIDE CLEAN OUT FOR EACH URINAL BANK. EXISTING POWER FOR FLUSH VALVE, CONNECTION BY DIV. 16.
WC-1	STUDENT WR	AMERICAN STANDARD	3451001.020	MADERA™ FLOWISE®, VITREOUS CHINA, EVERCLEAN® ANTIMICROBIAL SURFACE, TOILET OPERATES IN THE RANGE OF 4.2 TO 6.0 LPF (1.1 - 1.6 GPF), FULLY-GLAZED 54 MM (2-1/8") TRAPWAY, 254 MM (10") TO 305 MM (12") ROUGH-IN FROM WALL TO THE CENTER OF WASTE OUTLET, WHITE FINISH, 381 MM (15") RIM HEIGHT, ELONGATED BOWL, FOR FLUSH VALVE	3"	1 1/2"	N/A	1"	EXISTING FLUSH VALVE	SEAT: CENTOCO 1500STSCC-001, FOR ELONGATED BOWL, OPEN FRONT, WHITE FINISH, POLYPROPYLENE	EXISTING POWER FOR FLUSH VALVE, CONNECTION BY DIV. 16.
WC-2	STUDENT WR, BF	AMERICAN STANDARD	3451001.020	MADERA™ FLOWISE®, VITREOUS CHINA, EVERCLEAN® ANTIMICROBIAL SURFACE, TOILET OPERATES IN THE RANGE OF 4.2 TO 6.0 LPF (1.1 - 1.6 GPF), FULLY-GLAZED 54 MM (2-1/8") TRAPWAY, 254 MM (10") TO 305 MM (12") ROUGH-IN FROM WALL TO THE CENTER OF WASTE OUTLET, WHITE FINISH, 381 MM (15") RIM HEIGHT, ELONGATED BOWL, FOR FLUSH VALVE	3"	1 1/2"	N/A	1"	SLOAN ECOS 115-1.28-HW, HIGH EFFICIENCY 4.8 LPF (1.28 GPF), AUTOMATIC NO-TOUCH, 24" ROUGH-IN	SEAT: CENTOCO 820STSS-001, FOR ELONGATED BOWL, WHITE, POLYPROPYLENE PLASTIC	EXISTING POWER FOR FLUSH VALVE, CONNECTION BY DIV. 16.
WC-3	DAYCARE	AMERICAN STANDARD	2315613.020	BABY DEVORO™ FLOWISE®, TWO PIECE, VITREOUS CHINA, HIGH EFFICIENCY HET 4.8 LPF (1.28 GPF), FULLY-GLAZED TRAPWAY, MINIMUM 254 MM (10") ROUGH-IN FROM WALL TO THE CENTER OF WASTE OUTLET, WHITE FINISH, 260 MM (10-1/4") RIM HEIGHT FOR TODDLERS, ACTUATOR ON LEFT HAND, JUNIOR BOWL, TANK TYPE	3"	1 1/2"	N/A	1/2"		SEAT: AMERICAN STANDARD BABY DEVORO 5001G055.020, FOR BABY SEAT, WHITE, SOLID PLASTIC, EVERCLEAN® ANTIMICROBIAL SURFACE SUPPLY: MCGUIRE LFBV172	
WC-4	STAFF	AMERICAN STANDARD	2886204.020	H2OPTION®, TWO PIECE, EPA WATERSENSE® COMPLIANT, VITREOUS CHINA, EVERCLEAN® ANTIMICROBIAL SURFACE, 3.4 LPF (0.92 GPF) PARTIAL FLUSH AND 4.8 LPF (1.28 GPF) FULL FLUSH, FULLY-GLAZED 51 MM (2") TRAPWAY, MINIMUM 305 MM (12") ROUGH-IN FROM WALL TO THE CENTER OF WASTE OUTLET, WHITE FINISH, RIGHT HEIGHT® RIM AT 419 MM (16-1/2"), ACTUATOR ON LEFT HAND, ELONGATED BOWL, TANK TYPE	3"	1 1/2"	N/A	1/2"		SEAT: CENTOCO 1500STSCC-001, FOR ELONGATED BOWL, OPEN FRONT, WHITE FINISH, POLYPROPYLENE SUPPLY: MCGUIRE LFBV172	
WC-5	STAFF, BF	AMERICAN STANDARD	2886204.020	H2OPTION®, TWO PIECE, EPA WATERSENSE® COMPLIANT, VITREOUS CHINA, EVERCLEAN® ANTIMICROBIAL SURFACE, 3.4 LPF (0.92 GPF) PARTIAL FLUSH AND 4.8 LPF (1.28 GPF) FULL FLUSH, FULLY-GLAZED 51 MM (2") TRAPWAY, MINIMUM 305 MM (12") ROUGH-IN FROM WALL TO THE CENTER OF WASTE OUTLET, WHITE FINISH, RIGHT HEIGHT® RIM AT 419 MM (16-1/2"), ACTUATOR ON LEFT HAND, ELONGATED BOWL, TANK TYPE	3"	1 1/2"	N/A	1/2"		SEAT: CENTOCO 820STSS-001, FOR ELONGATED BOWL, WHITE, POLYPROPYLENE PLASTIC SUPPLY: MCGUIRE LFBV172	
WC-6	KINDERGARDEN	AMERICAN STANDARD	215CA104.020	CADET® PRO™, TWO PIECE, EPA WATERSENSE® COMPLIANT, VITREOUS CHINA, EVERCLEAN® ANTIMICROBIAL SURFACE, HIGH EFFICIENCY HET 4.8 LPF (1.28 GPF), FULLY-GLAZED 54 MM (2-1/8") TRAPWAY, MINIMUM 305 MM (12") ROUGH-IN FROM WALL TO THE CENTER OF WASTE OUTLET, WHITE FINISH, 381 MM (15") RIM HEIGHT, ACTUATOR ON LEFT HAND, ELONGATED BOWL, TANK TYPE	3"	1 1/2"	N/A	1/2"		SEAT: CENTOCO 1500STSCC-001, FOR ELONGATED BOWL, OPEN FRONT, WHITE FINISH, POLYPROPYLENE SUPPLY: MCGUIRE LFBV172C	
L-1	UNIVERSAL WR	AMERICAN STANDARD	0955001EC.020 0097000.020	MURRO, VITREOUS CHINA, SINGLE HOLE CENTERSET, WALL-HUNG, WHITE FINISH, REAR OVERFLOW	1 1/4"	1 1/4"	1/2"	1/2"	AMERICAN STANDARD COLONY® MANUAL, SINGLE HOLE CENTERSET, 7075104.002, 4.5 LPM (1.2 GPM) MAXIMUM FLOWRATE	FIXTURE DRAIN: MCGUIRE 155A SUPPLY: MCGUIRE LFBV170 P-TRAP: MCGUIRE 8872C CARRIER: WATTS WCA-411, LAVATORY CARRIER, FOR CONCEALED ARM CARRIER MIXING VALVE: LAWLER 570-86821 POINT OF USE. 15 LPM (4 GPM) FLOWRATE @ 5 PSI PRESSURE DROP	
S-1	STAFF	FRANKE COMMERCIAL	LBS4010P-1-3	STAINLESS STEEL, TYPE 304, 18 GAUGE, COUNTER MOUNTED, WITH FAUCET LEDGE, SINGLE COMPARTMENT, COMMERCIAL SINKS	1 1/2"	1 1/4"	1/2"	1/2"	AMERICAN STANDARD COLONY PRO, MANUAL, 203 MM (8") CENTERSET, 7074000.002, 5.7 LPM (1.5 GPM) MAXIMUM FLOWRATE	SUPPLY: MCGUIRE LFBV170 P-TRAP: MCGUIRE 8912CB OR IPEX SYSTEM 15	
TV-1	SCHOOL TEMPERED WATER	WATTS	LFN170-M3-CSUT	MASTER MIXING VALVE SHALL FEATURE PARAFFIN-BASED, THERMAL ACTUATION TECHNOLOGY FOR PRECISE TEMPERATURE CONTROL. VALVE SHALL BE LISTED TO ASSE 1017 AND CUPC AND SHALL BE APPROVED TO ASSE 1017 & CSA B125.3 STANDARDS. MASTER MIXING VALVE SHALL HAVE AN APPROACH TEMPERATURE OF 5°F (3°C). VALVE SHALL HAVE AN OUTLET TEMPERATURE RANGE FROM 90 - 180°F (32 TO 82°C) WITH A LOCKABLE TEMPERATURE-SETTING FEATURE. VALVE SHALL BE MANUFACTURED OF CORROSION RESISTANT MATERIALS AND FEATURE A SINGLE-SEAT DESIGN FOR POSITIVE SHUTOFF. IT SHALL HAVE A LEAD FREE* BRASS BODY. BODY SHALL BE CONSTRUCTED USING LEAD FREE* BRASS.	N/A	N/A	1 1/4"	1 1/4"	N/A	N/A	SET TO 120F OUTLET TEMPERATURE
DF-1	STUDENT CORRIDOR	ELKAY	LZS8WSLP	ENHANCED EZH2O BOTTLE FILLING STATION & SINGLE ADA COOLER FILTERED REFRIGERATED LIGHT GRAY. CHILLING CAPACITY OF 8.0 GPH. ANTIMICROBIAL*, AUTOMATIC FILTER STATUS RESET, ENERGY SAVINGS, FILTERED, GREEN TICKER™, HANDS FREE, LAMINAR FLOW, REAL DRAIN, VISUAL FILTER MONITOR. FURNISHED WITH FLEXI-GUARD® SAFETY BUBBLER. ELECTRONIC BOTTLE FILLER SENSOR WITH ELECTRONIC FRONT AND SIDE BUBBLER PUSHBAR ACTIVATION. PRODUCT SHALL BE WALL MOUNT (ON WALL), FOR INDOOR APPLICATIONS, SERVING 1 STATION(S). UNIT SHALL BE CERTIFIED TO UL 399 AND CAN/CSA C22.2 NO. 120.	1 1/4"	1 1/4"	N/A	1/2"	N/A	SUPPLY: MCGUIRE LFBV170 P-TRAP: MCGUIRE 8872C	INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

Do not scale drawing.

Contractor must verify all dimensions on the job and report any discrepancies to the engineer before proceeding with the work.

This drawing shall not be reproduced in whole or in part without the written approval of the engineer.

PROJECT
PLUMBING UPGRADES
ÉÉC SAINT-JEAN-BAPTISTE
MISSISSAUGA, ON



REVISIONS

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SCALE: N.T.S. DATE: FEB 2025



PLUMBING FIXTURE
SCHEDULE

DRAWN/CHK'D PROJECT NO. DWG NO.
JP/GL 24017 M-5

MECHANICAL SPECIFICATIONS

1.0 GENERAL INSTRUCTIONS

1. REVIEW WORK AREA AND READ DRAWINGS IN CONJUNCTION WITH ALL DISCIPLINES BEFORE COMMENCING WORK. NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN PLANS AND POTENTIAL ISSUES ON WORK-SITE. NO ADDITIONAL PAYMENTS WILL BE MADE RELATED TO CLAIMS FOR ITEMS THAT WOULD HAVE BEEN APPARENT IF THE WORK AREA AND ALL PLANS WERE REVIEWED PRIOR TO PRICING THE WORKS.
2. THE GENERAL CONTRACTOR SHALL OBTAIN AND PAY FOR NECESSARY PERMITS PERTAINING TO THE INSTALLATION OF THEIR WORK AND PROVIDE ANY CERTIFICATES AND SIGN-OFFS AS CIRCUMSTANCES REQUIRE.
 - 2.1. NOTE: BUILDING PERMIT WILL BE OBTAINED BY OWNER.
3. PERFORM ALL MECHANICAL WORK DETAILED ON THESE DRAWINGS TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL OPERATING SYSTEM TO THE SATISFACTION OF THE MECHANICAL CONSULTANT.
4. SPECIFIED WORK DESCRIBED OR INDICATED ON DRAWINGS DOES NOT DELEGATE FUNCTION TO ANY SPECIFIED SUBCONTRACTOR OR IDENTIFY ABSOLUTE CONTRACTUAL LIMITS BETWEEN MECHANICAL OR SUBCONTRACTORS.
5. DURING THE PROCESS OF THE WORK EACH CONTRACTOR SHALL KEEP HIS WORK TIDY. THE PREMISES SHALL AT ALL TIMES BE FREE FROM RUBBISH AND SURPLUS MATERIALS, CLEAN DAILY.
6. THIS CONTRACTOR IS 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.
7. WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE ONTARIO BUILDING CODE, ONTARIO FIRE CODE, OCCUPATIONAL HEALTH AND SAFETY ACT, AND AUTHORITIES HAVING JURISDICTION. MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE CANADIAN STANDARDS ASSOCIATION, AND AUTHORITIES HAVING JURISDICTION. STANDARDS SET OUT IN DESIGN DRAWINGS SHALL NOT BE REDUCED BY CONFORMANCE TO APPLICABLE CODES AND STANDARDS. MAKE ALL MINOR MODIFICATIONS AS REQUIRED BY AUTHORITIES HAVING JURISDICTION AT NO COST TO THE OWNER.
8. SUBMIT ELECTRONIC SHOP DRAWINGS FOR REVIEW PRIOR TO ORDERING. REVIEW OF SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITIES TO PROVIDE A COMPLETE WORKING SYSTEM CONSISTENT WITH THE INTENT OF THE DESIGN DRAWINGS. CONTRACTOR SHALL REVIEW DESIGN DRAWINGS, EQUIPMENT SCHEDULES AND SHOP DRAWINGS FOR ERRORS AND OMISSIONS AND ELEMENTS RELATING TO WORKS/ASSEMBLY ON-SITE.
 - 8.1. SHOP DRAWINGS REQUIRED:
 - 8.1.1. PLUMBING FIXTURES
 - 8.1.2. EXHAUST FAN
 - 8.1.3. DOMESTIC WATER HEATER
9. LABEL ALL EQUIPMENT, PIPING, CONDUIT ETC.
10. ACCESS DOORS SHALL BE PROVIDED FOR ALL INACCESSIBLE MECHANICAL EQUIPMENT, VALVES AND SERVICES REQUIRING INSPECTION OR SERVICE. FINISH SHALL SUIT ARCHITECT/DESIGNERS REQUIREMENTS. ACCESS DOORS SHALL BE RECESSED AS REQUIRED TO SUIT WALL FINISH (EG. TILE.) AND SIZED FOR ADEQUATE ACCESS.
11. THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND SECURITY OF MATERIALS AND EQUIPMENT ON THE JOB SITE.
12. DESIGN DRAWINGS ILLUSTRATE THE GENERAL LAYOUT OF THE WORK ONLY. COORDINATE THE INSTALLATION OF WORK WITH OTHER TRADES. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LAYOUT OF EQUIPMENT AND MATERIALS AND ENSURING THERE ARE NO INTERFERENCES WITH OTHER SYSTEMS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING REQUIRED FOR THE INSTALLATION OF THEIR WORK.
14. EQUIPMENT SHALL BE INSTALLED, STARTED, TESTED, AND ADJUSTED AS PER THE MANUFACTURERS' INSTRUCTIONS, AND AS NECESSARY TO ENSURE OPTIMUM PERFORMANCE. EQUIPMENT SHALL BE INSTALLED TO ALLOW FOR EASY ACCESS AND MAINTENANCE.
15. MATERIALS AND EQUIPMENT SHALL BE NEW AND TOP QUALITY, EXCEPT WHERE NOTED OTHERWISE.
16. THE CONTRACTOR SHALL NOT WELD TO OR MAKE A HOLE IN A STRUCTURAL MEMBER WITHOUT REVIEW FROM THE STRUCTURAL ENGINEER. ATTACHMENTS TO STRUCTURAL MEMBERS SHALL BE MADE WITH SUITABLE CLAMPS OR CLIPS.
17. THE GENERAL CONTRACTOR SHALL PROVIDE ALL OPENINGS AND REINFORCEMENT FRAMING AS REQUIRED.
18. ALL MATERIALS IN CEILING SPACE USED FOR RETURN AIR PLENUM MUST BE PLENUM RATED.
19. CONFIRM FIRE SEPARATIONS WITH ARCHITECTURAL DRAWINGS AND GENERAL CONTRACTOR. ALL PENETRATIONS THROUGH FIRE SEPARATIONS SHALL BE FITTED WITH EXPANSION SLEEVES AND ULC CERTIFIED FIRE STOPPING. ACCEPTABLE MATERIAL: HILTI OR APPROVED EQUIVALENT.
20. THESE DRAWINGS ARE INTENDED TO SERVE AS A GUIDE SHOWING QUANTITIES AND GENERAL ARRANGEMENTS AND ARE NOT NECESSARILY WORKING DRAWINGS FROM WHICH MEASUREMENTS CAN BE TAKEN, EXCEPT WHERE DIMENSION FIGURES ARE SPECIFICALLY SHOWN. INFORMATION INVOLVING ACCURATE MEASUREMENTS OF BUILDING SHALL BE TAKEN FROM BUILDING DRAWING OR FROM THE SITE.
21. MAINTAIN LIABILITY INSURANCE TO PROTECT OWNER AND ALL CONTRACTORS.

2.0 HVAC

1. NEW MATERIAL AND EQUIPMENT SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.
2. DUCTS MUST BE SEALED TO PREVENT AIR LEAKAGE. SEAL TO SMACNA AND ASHRAE 90.1 STANDARDS.
3. DUCTS AND HANGERS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE ONTARIO BUILDING CODE, ONTARIO FIRE CODE, AND THE ASHRAE AND SMACNA STANDARDS.
4. AIR DISTRIBUTION SYSTEMS MUST BE BALANCED TO WITHIN 5% OF THE SPECIFIED VALUES SHOWN ON THE DRAWINGS. THE BALANCING MUST BE PERFORMED BY AN INDEPENDENT FIRM SPECIALIZING IN THIS WORK. THE MECHANICAL CONTRACTOR SHALL PROVIDE AIR BALANCING REPORT PRIOR TO ENGINEER SIGN-OFF.
5. FLEXIBLE DUCTWORK SHALL BE FLEXMASTER TRIPLE LOC OR EQUAL, SPIRAL WOUND ALUMINUM. SECURE TO RIGID DUCT USING GEAR CLAMPS. FLEXIBLE DUCTS SERVING DIFFUSERS SHALL BE INSTALLED AS ONE CONTINUOUS PIECE AND SHALL NOT EXCEED 1800mm (6'-0") LENGTHS. FLEXIBLE DUCT SHALL FOLLOW MOST DIRECT ROUTE AND BE INSTALLED WITHOUT KINKS OR SUDDEN CHANGE IN DIRECTION.
6. INSTALLATION OF AIR CONDITIONING EQUIPMENT SHALL BE DONE BY A LICENSED CONTRACTOR IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS.
7. DUCT SIZES ARE SHOWN IN INCHES AND DO NOT INCLUDE FOR INTERNAL INSULATION.
8. PIPES AND EQUIPMENT MUST BE INSTALLED SO AS TO MINIMIZE THE TRANSFER OF VIBRATION TO THE BUILDING AND ALSO TO ALLOW FOR EXPANSION AND CONTRACTION AS NECESSARY.
9. SUITABLE ACCESS DOORS MUST BE PROVIDED WHERE NECESSARY FOR ADJUSTING VALVES, ACCESSING OTHER EQUIPMENT OR CLEAN OUTS, OR FOR INSPECTION OF FIRE DAMPERS.
10. EQUIPMENT, INCLUDING DAMPERS, SHALL BE ASHRAE 90.1 COMPLIANT.
11. ALL EQUIPMENT SHALL BE INSTALLED IN SUCH A MANNER THAT MANUFACTURER'S RECOMMENDED CLEARANCES ARE MAINTAINED. THE CONTRACTOR SHALL LAY OUT THE WORK BASED ON THE MANUFACTURER'S RECOMMENDED CLEARANCES AND ADVISE ENGINEER IMMEDIATELY IF ANY SITE CONDITIONS NEGATIVELY AFFECT THE PROPER INSTALLATION OF ALL EQUIPMENT.
12. ELECTRICAL WIRING AND STARTERS TO BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. LOW VOLTAGE (31V TO 750V) CONTROLS BY THE ELECTRICAL CONTRACTOR. EXTRA-LOW VOLTAGE (UP TO AND INCLUDING 30V) CONTROLS BY THE MECHANICAL CONTRACTOR.
13. THE MECHANICAL CONTRACTOR SHALL INSTALL PIPE WITH SLEEVES IN ORDER TO PREVENT CONTACT WITH CONCRETE, MASONRY OR SIMILAR MATERIALS.
14. ROOF CURBS AND FLASHINGS ARE TO BE SUPPLIED BY THE MECHANICAL CONTRACTOR, INSTALLED BY THE GENERAL CONTRACTOR/ROOFER.
15. THE MECHANICAL CONTRACTOR SHALL PROVIDE SEISMIC BRACING AND RESTRAINT SYSTEMS FOR MECHANICAL EQUIPMENT, DUCTWORK AND PIPING AS REQUIRED BY APPLICABLE LOCAL BUILDING CODES. PROVIDE ENGINEERED, SEALED SHOP DRAWINGS FOR ANY REQUIRED AND INSTALLED SEISMIC BRACING. PROVIDE A SEALED LETTER OF CONFORMANCE UPON COMPLETION.

3.0 INSULATION

1. SHEET METAL INSULATION
- 1.2 PROVIDE INSULATION WITH A MINIMUM THERMAL RESISTANCE OF 0.25 BTU.IN/HR. SQ.FT'F AT 75°F MEAN TEMPERATURE (R-3.5). FIRE AND SMOKE RATING SHALL BE IN ACCORDANCE WITH CAN/ULC-S102 - MAXIMUM FLAME SPREAD RATING 25, MAXIMUM SMOKE DEVELOPED RATING 50.
- 1.3 APPLY VAPOUR BARRIER OVER INSULATION ON COLD TEMPERATURE AND DUCTWORK CONNECTING TO OUTDOORS.
- 1.4 PROVIDE THE FOLLOWING DUCTWORK INSULATION TYPE AS INDICATED IN THE DUCTWORK INSULATION TABLE BELOW.

1.4.2 TYPE D1' OWENS CORNING FLEXIBLE DUCT INSULATION, JOHNS MANVILLE MICROLITE TYPE 75 DUCT WRAP, MANSON 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.	INSULATION TYPE	THICKNESS	VAPOUR BARRIER
1.4.3 TYPE D2' RIGID MINERAL FIBRE BOARD TO ASTM C612 WITH FACTORY APPLIED VAPOUR RETARDER JACKET.	D-1	25mm (1")	YES
- 1.4.4 DUTY
CONCEALED SUPPLY DUCTWORK EXCLUDING FLEXIBLE DUCT AND EXHAUST DUCTWORK WITHIN 6' OF EXTERIOR

4.0 PLUMBING SPECIFICATIONS

1. THE PLUMBING CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE GENERAL SPECIFICATIONS ABOVE.
2. WORK MUST BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE ONTARIO BUILDING CODE, ONTARIO FIRE CODE, AND LOCAL CODES.
3. DRAIN LINES ARE TO BE SUBJECT TO A WATER TEST AND WATER LINES ARE TO BE TESTED TO THE SATISFACTION OF THE LOCAL PLUMBING INSPECTOR.
4. FLOOR DRAINS AND HUB DRAINS ARE TO BE TRAP SEAL PRIMED.
5. ALL CLEANOUTS ARE NOT SHOWN. CLEANOUTS ARE TO BE PROVIDED IN ACCORDANCE WITH THE ONTARIO PLUMBING CODE AND REQUIREMENTS INCLUDING AT THE BOTTOM OF STACKS AND ALONG HORIZONTAL RUNS. ENSURE THAT CLEANOUTS ARE INCLUDED AT INTERVALS NECESSARY AND ARE ACCESSIBLE FOR SERVICE.
6. WATER HAMMER ARRESTORS ARE TO BE INSTALLED WHERE NECESSARY TO PREVENT WATER HAMMER IN WATER LINES.
7. CONNECT WATER LINES AT POINTS OF DISTRIBUTION TO NEARBY EQUIPMENT. SIZE WATER LINES TO EACH PIECE OF EQUIPMENT AS SHOWN BY THE PLUMBING EQUIPMENT SCHEDULE.
8. GRADE HORIZONTAL WATER LINES TO ENSURE PROPER DRAINAGE. INSTALL DRAIN VALVES IN ACCESSIBLE LOCATIONS AT LOW POINTS.
9. HANGERS FOR HORIZONTAL PIPING SHALL BE BLACK OR COPPER, AS APPROPRIATE, CLEVIS HANGERS MANUFACTURED BY ANVL OR MYATT.
10. HANGERS FOR VERTICAL PIPING SHALL BE BLACK OR COPPER, AS APPROPRIATE, RISER CLAMPS MANUFACTURED BY ANVL OR MYATT.
11. BALL VALVES SHALL BE FULL PORT AND SOLID BALL.
12. SET FIXTURES LEVEL, SQUARE, AND CENTERED WITH RELATION TO FLOORS, WALLS, AND PARTITIONS.
13. SET FIXTURES AT STANDARD HEIGHT FROM FLOOR TO RIM UNLESS DIRECTED OTHERWISE.
14. INSTALL SHUT OFF VALVES ON EACH WATER SUPPLY TO EQUIPMENT.
15. PIPES AND EQUIPMENT MUST BE INSTALLED SO AS TO MINIMIZE THE TRANSFER OF VIBRATION TO THE BUILDING AND ALSO TO ALLOW FOR EXPANSION AND CONTRACTION AS NECESSARY.
16. SUITABLE ACCESS DOORS MUST BE PROVIDED WHERE NECESSARY FOR ADJUSTING VALVES, ACCESSING OTHER EQUIPMENT OR CLEAN OUTS, OR FOR INSPECTION OF FIRE DAMPERS.
17. EQUIPMENT SHALL BE ASHRAE 90.1 COMPLIANT.
18. THE MECHANICAL CONTRACTOR SHALL INSTALL PIPE WITH SLEEVES IN ORDER TO PREVENT CONTACT WITH CONCRETE, MASONRY OR SIMILAR MATERIALS.
19. ALL PENETRATIONS THROUGH FIRE SEPARATIONS SHALL BE FITTED WITH EXPANSION SLEEVES AND ULC CERTIFIED FIRE STOPPING. ACCEPTABLE MATERIAL: HILTI OR APPROVED EQUIVALENT.
20. ALL DOMESTIC WATER PIPING ABOVE GRADE SHALL BE CSA B137.5 OR B137.6 FOR POTABLE WATER USE AND CAN/ULC-S102.2 CERTIFIED FOR FLAME SPREAD AND SMOKE DEVELOPMENT. ACCEPTABLE MATERIAL:
 - 20.1. ANY SIZE: HARD DRAWN TYPE 'L' COPPER PIPE WITH SOLDER JOINT PRESSURE FITTINGS AND LEAD FREE SOLDER;
 - 20.2. 4" AND SMALLER: IPEX AQUA-RISE, IPEX BLUE904 OR APPROVED EQUIVALENT;
21. ALL NON-ACID SANITARY, STORM AND VENT PIPING ABOVE GRADE SHALL BE TO CSA B181.2. ACCEPTABLE MATERIAL:
 - 21.1. 2" OR SMALLER: SHALL BE COPPER DWV PIPE WITH WROUGHT COPPER OR CAST BRASS SOLDER JOINT FITTINGS;
 - 21.2. OVER 2": SHALL BE CAST IRON PIPE AND FITTINGS WITH MECHANICAL JOINTS;
 - 21.3. ANY SIZE: IPEX SYSTEM 15 PVC OR APPROVED EQUIVALENT. IPEX SYSTEM XFR OR APPROVED EQUIVALENT SHALL BE USED IN PLENUMS AS REQUIRED.
27. ALL SANITARY, STORM AND VENT PIPING BELOW GRADE SHALL BE TO CSA B181.1. ACCEPTABLE MATERIAL:
 - 27.1. IPEX SCH 40 PVC OR SDR35 OR APPROVED EQUIVALENT.
28. COORDINATE REQUIREMENTS FOR CHASES WITH GENERAL CONTRACTOR.
29. INSULATE DOMESTIC WATER PIPING AND FITTINGS WITH THICK PREFORMED FIBERGLASS INSULATION WITH AN ASJ VAPOUR BARRIER. JOINTS AND SEAMS MUST BE SEALED. COVER INSULATION WITH 6 OZ. CANVAS WRAP AND FIRE RETARDANT MASTIC OR WITH PREFORMED PVC JACKET. INSULATION SHALL BE BANDED WITH 1/2" ALUMINUM STRAPS. INSULATE VALVES ON ALL PIPING LARGER THAN 1".
 - 29.1. DCW
 - 29.1.1. <2" PIPE = 1" INSULATION
 - 29.1.2. 2" TO 4" = 1-1/2" INSULATION
 - 29.2. DHW 105°F to 140°F
 - 29.2.1. <1" PIPE = 1" INSULATION
 - 29.2.2. 1" TO 1-1/2" = 1" INSULATION
 - 29.2.3. 1-1/2" TO 4" = 1.5" INSULATION
30. PROVIDE TRAP SEAL PRIMER FOR ALL FLOOR DRAINS.
31. PROVIDE TRAPS/DRAINS AND VENTS FROM INDIVIDUAL FIXTURES SIZED PER OBC. PROVIDE TRAPS/DRAINS AND VENTS FOR MULTIPLE FIXTURES PER DESIGN DRAWINGS. DO NOT REDUCE THE STANDARDS SET BY THE OBC IN ANY CASE.
32. SCAN/X-RAY ALL FLOOR PENETRATION LOCATIONS PRIOR TO CORING.

Do not scale drawing.

Contractor must verify all dimensions on the job and report any discrepancies to the engineer before proceeding with the work.

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PROJECT
PLUMBING UPGRADES
ÉCÉC SAINT-JEAN-BAPTISTE
MISSISSAUGA, ON



REVISIONS			
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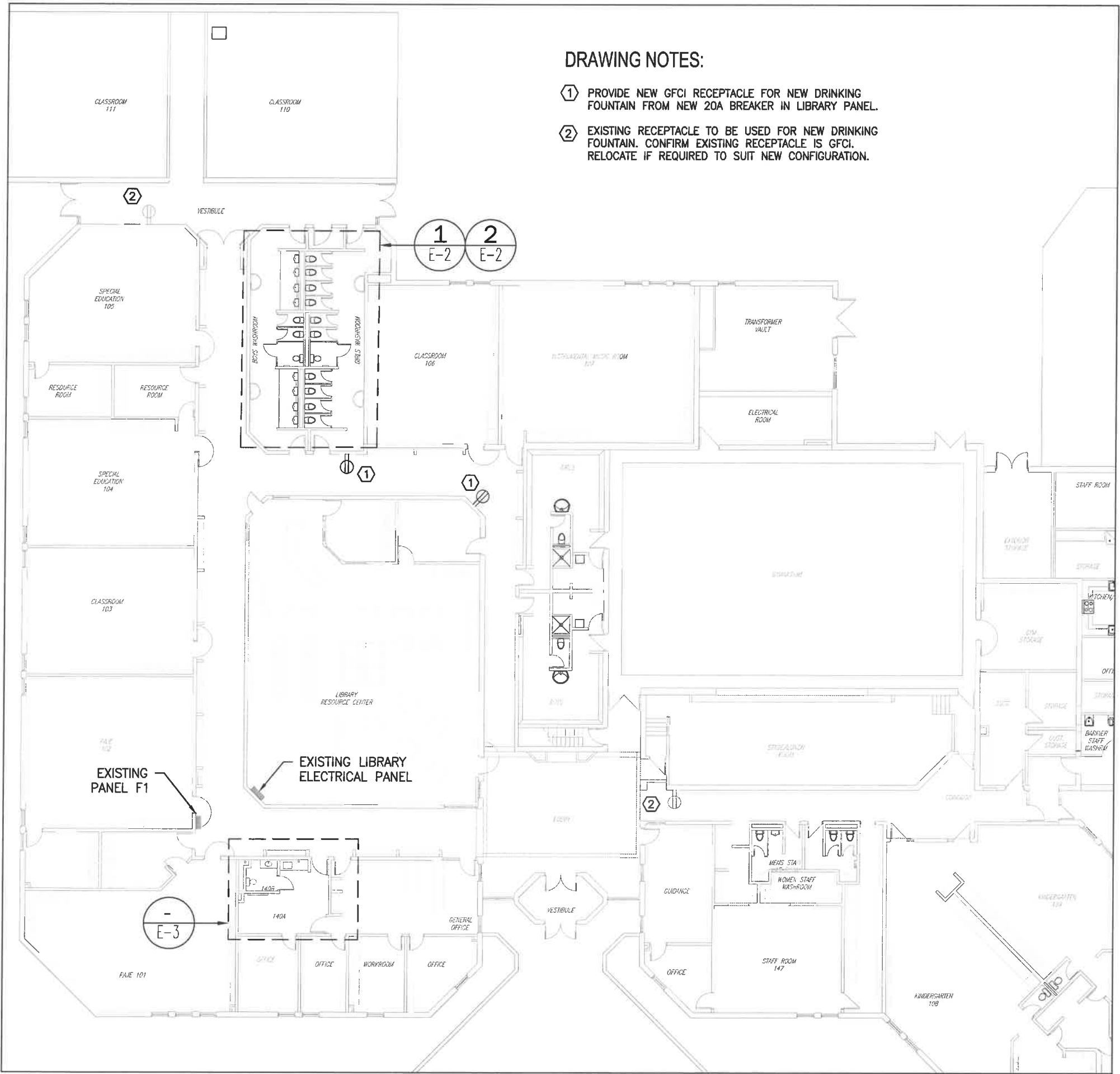
SPECIFICATIONS

DRAWN/CHK'D PROJECT NO. DWG NO.
JP/GL 24017 M-6

NEW EXHAUST FAN SCHEDULE

TAG	LOCATION	SERVES	MAKE	MODEL	AIRFLOW (CFM)	E.S.P. (IN. W.C.)	AMPS	VOLT S	ELECTRICAL	NOTES
EF-1	CEILING	UNIVERSAL WASHROOM	BROAN	L100E	100	0.25	0.3	120V	CONNECT TO EXISTING POWER FEED. PROVIDE LOCAL DISCONNECT.	PROVIDE SPEED CONTROL MOUNTED AT FAN. CONTROLLED BY WALL MOUNTED TIMER SWITCH (SUPPLIED BY DIV. 16)

ACCEPTABLE ALTERNATES: GREENHECK, CARNES.



DRAWING NOTES:

- ① PROVIDE NEW GFCI RECEPTACLE FOR NEW DRINKING FOUNTAIN FROM NEW 20A BREAKER IN LIBRARY PANEL.
- ② EXISTING RECEPTACLE TO BE USED FOR NEW DRINKING FOUNTAIN. CONFIRM EXISTING RECEPTACLE IS GFCI. RELOCATE IF REQUIRED TO SUIT NEW CONFIGURATION.

ACCESSIBILITY LEGEND	
	POWER DOOR PLATE SWITCH
	POWER DOOR OPERATOR
	ELECTRIC DOOR STRIKE, FAIL SECURE
	UNIVERSAL WR ASSISTANCE LIGHT AND SOUNDER. MOUNT 12" BELOW CEILING.

LIGHTING LEGEND	
	RECESSED CEILING FIXTURE, TYPE AS INDICATED, SEE LIGHTING FIXTURE SCHEDULE
	OCCUPANCY SENSOR, CEILING MOUNT, DUAL TECHNOLOGY WITH LOW VOLTAGE SWITCH INPUT
	EMERGENCY LIGHT

ELECTRICAL LEGEND	
	LIGHT SWITCH
	EXHAUST FAN TIMER SWITCH
	120V - 15A OR 20A DUPLEX RECEPTACLE H - HIGH LEVEL, WP - WEATHERPROOF GFCI - GROUND FAULT CIRCUIT INTERRUPTED
	OUTLET MOUNTED 6" ABOVE COUNTER
	MANUAL DISCONNECT SWITCH FED FROM LOCATION / FUSED AS INDICATED
	120 / 208V ELECTRICAL PANEL LABEL INDICATES PANEL NAME
	120V SINGLE PHASE DIRECT CONNECTION TO EQUIPMENT
	208/240V SINGLE PHASE DIRECT CONNECTION TO EQUIPMENT
	EMERGENCY EXIT SIGN, WALL MOUNTED OR PENDANT, ARROWS INDICATE DIRECTION OF FACE

- LEGEND NOTES:**
- BOLD LINETYPE INDICATES NEW OR MODIFIED OR REMOVED EQUIPMENT OR WIRING.
 - LIGHT LINETYPE OR 'E' INDICATES EXISTING EQUIPMENT OR WIRING.
 - CROSSED OUT LINETYPE INDICATES REMOVED EQUIPMENT OR WIRING.
 - THIS LEGEND REPRESENTS THE SYMBOLS COMMONLY USED. NOT ALL SYMBOLS MAY APPEAR ON THE DRAWINGS. SHOULD A SYMBOL BE FOUND ON THE DRAWING AND NOT APPEARING ON THE LEGEND, THE CONTRACTOR SHALL SUBMIT A QUESTION TO HAVE THE SYMBOL CLARIFIED IN AN ADDENDUM PRIOR TO SUBMITTING A BID.

Do not scale drawing.
Contractor must verify all dimensions on the job and report any discrepancies to the engineer before proceeding with the work.
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PROJECT
PLUMBING UPGRADES
ÉC SAINT-JEAN-BAPTISTE
MISSISSAUGA, ON



REVISIONS

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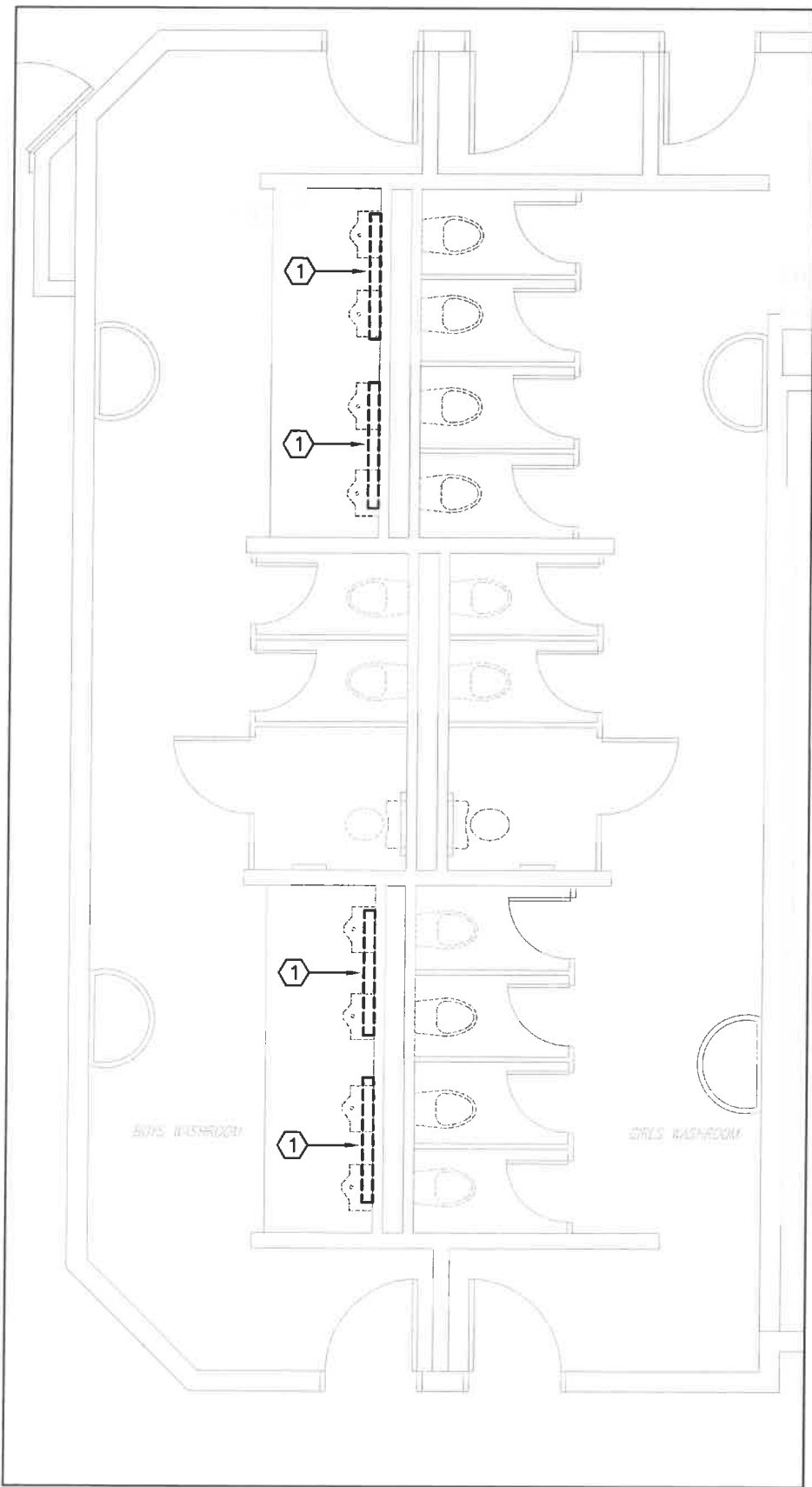
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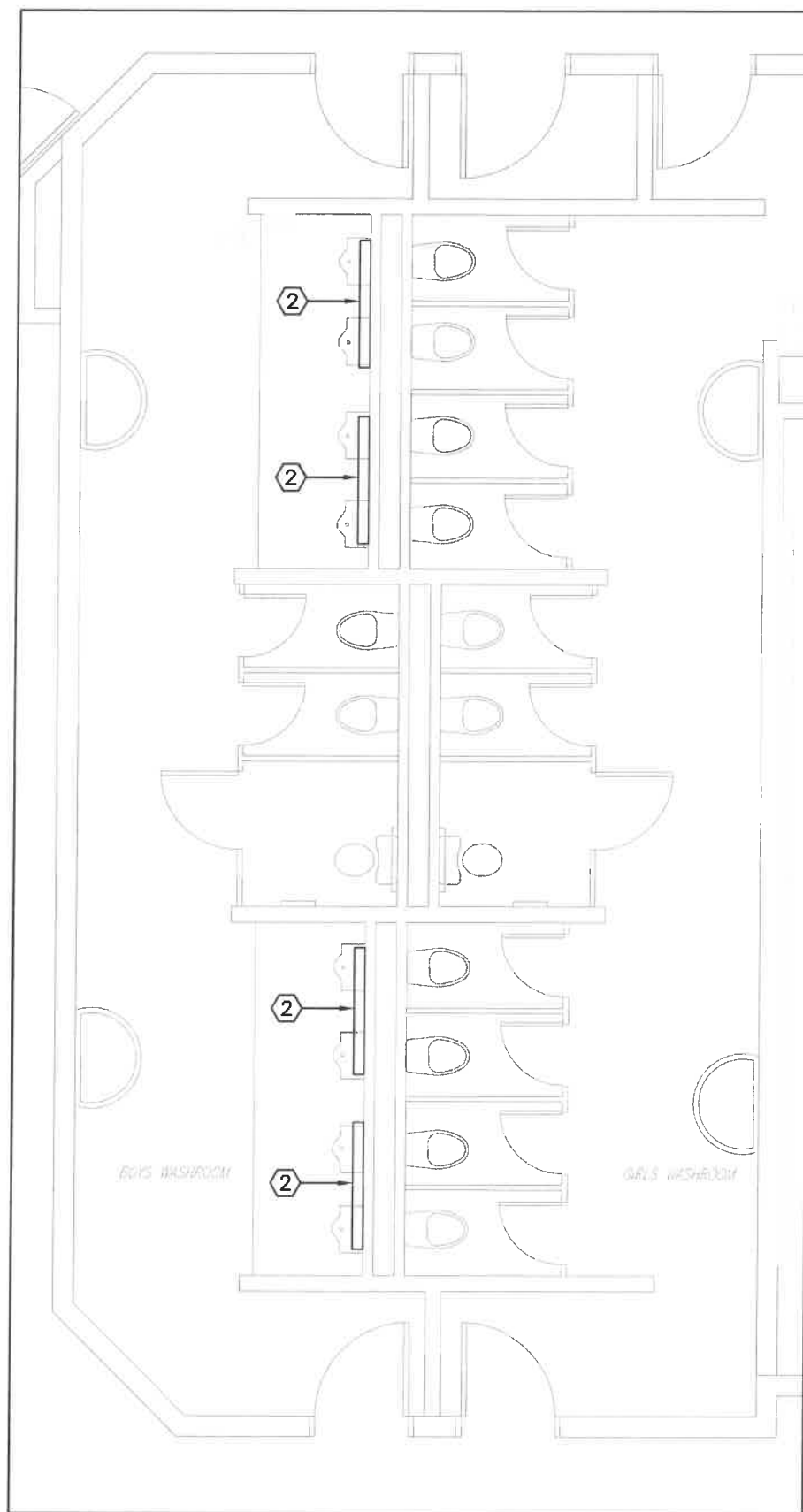
**PART GROUND FLOOR
PLAN - ELECTRICAL**

1 **ELECTRICAL - NEW**
SCALE: N.T.S.

DRAWN/CHK'D PROJECT NO. DWG NO.
JP/GL 24017 E-1



1 ELECTRICAL - DEMO
SCALE: 3/16" = 1'0"



2 ELECTRICAL - NEW
SCALE: 3/16" = 1'0"

DRAWING NOTES:

- ① REMOVE EXISTING LIGHT FIXTURE AND RETAIN FOR REINSTALLATION.
- ② REINSTALL EXISTING LIGHT FIXTURE ON NEW WALL.

Do not scale drawing.

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Nortek
Consulting Group

ELECTRICAL
BOYS AND GIRLS
WASHROOM

DRAWN/CHK'D JP/GL	PROJECT NO. 24017	DWG NO. E-2
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PROJECT

PLUMBING UPGRADES

ÉEC SAINT-JEAN-BAPTISTE
MISSISSAUGA, ON

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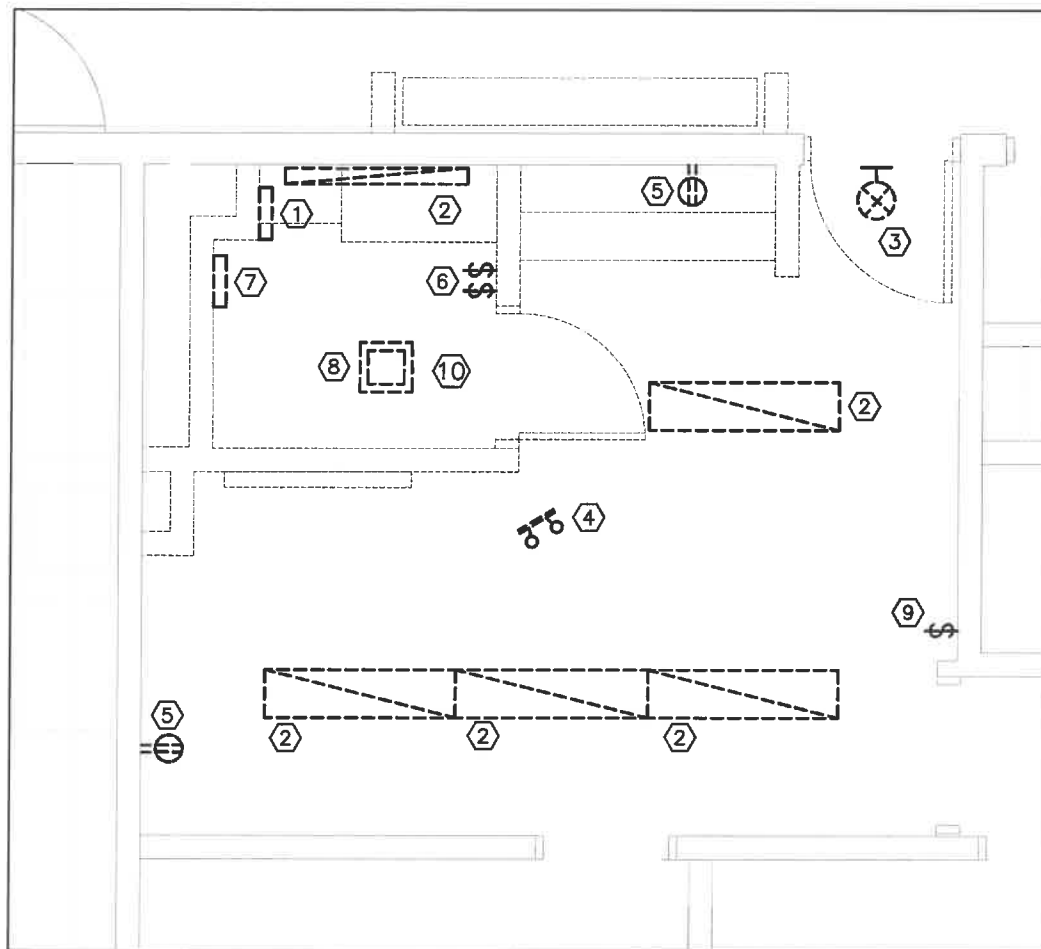
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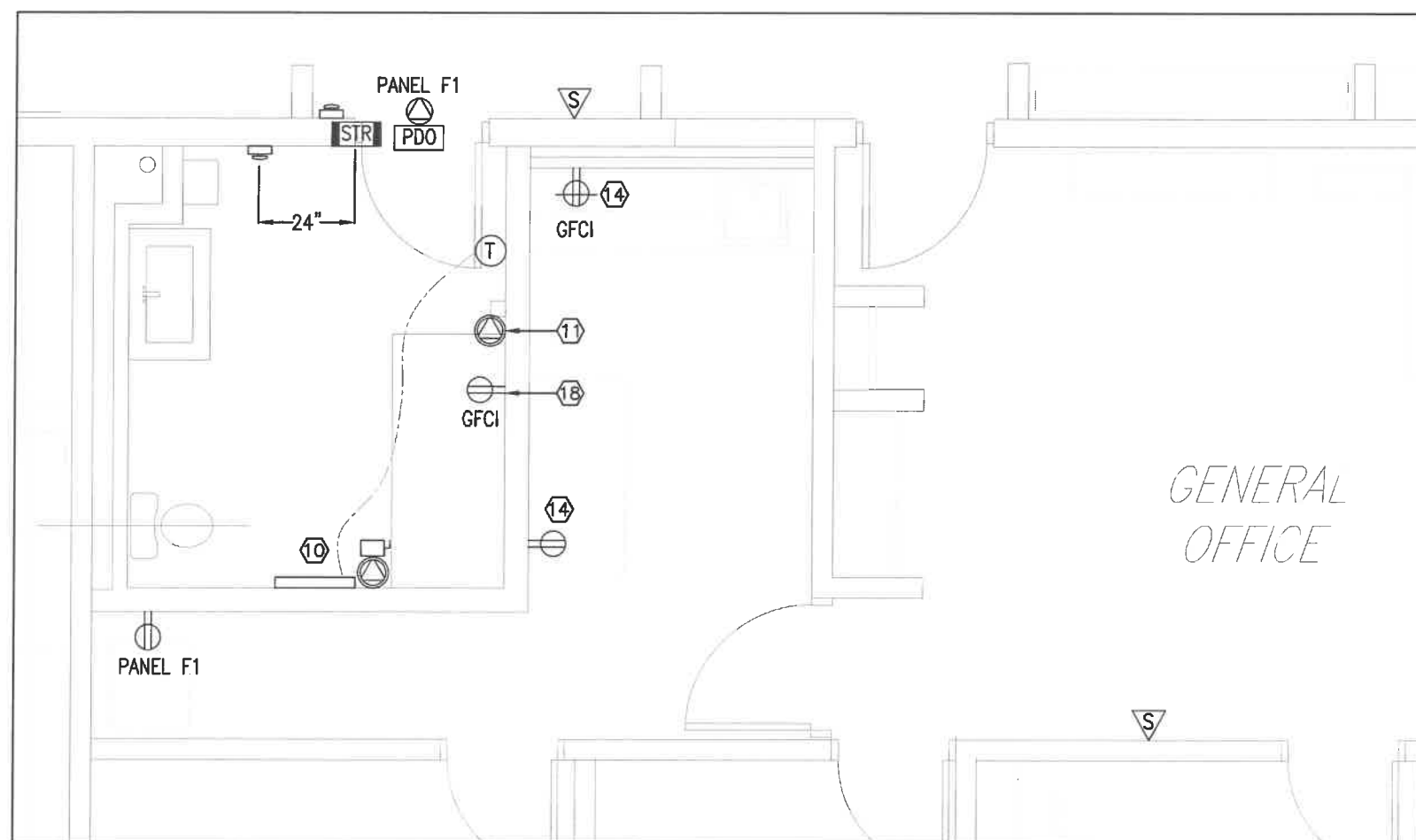
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ELECTRICAL
NEW UNIVERSAL
WASHROOM

DRAWN/CHK'D PROJECT NO. DWG NO.
JP/GL 24017 E-3



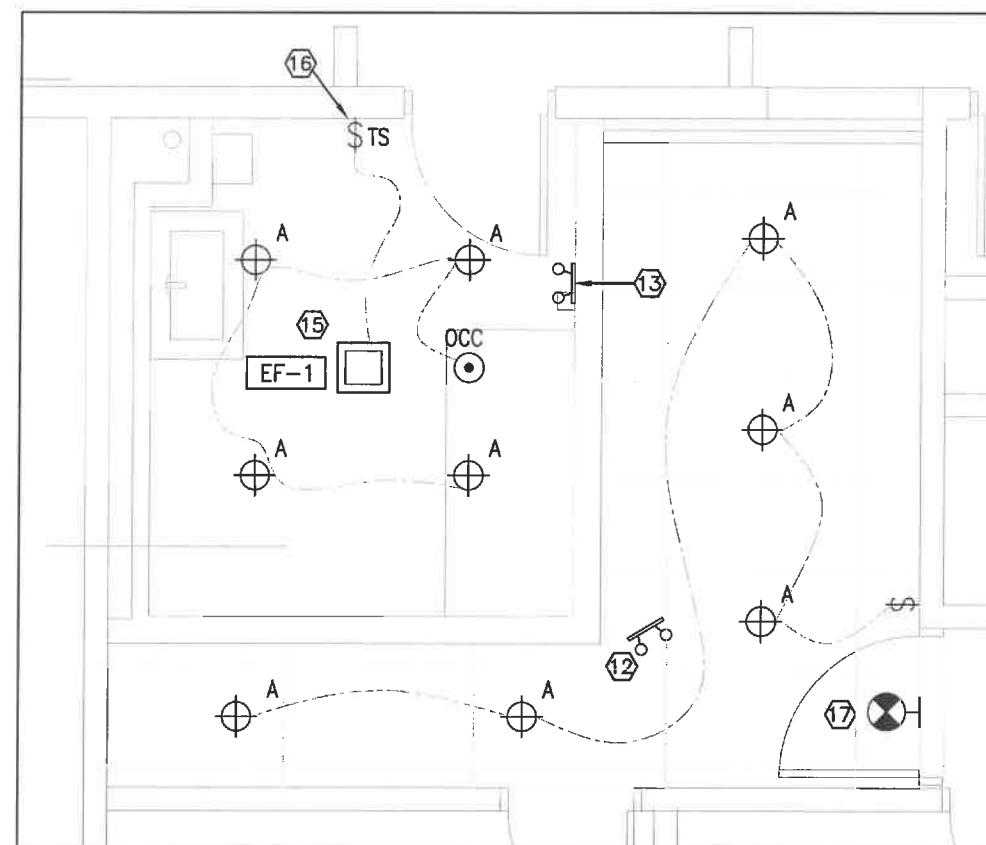
1 ELECTRICAL - DEMO
SCALE: 1/4" = 1'0"



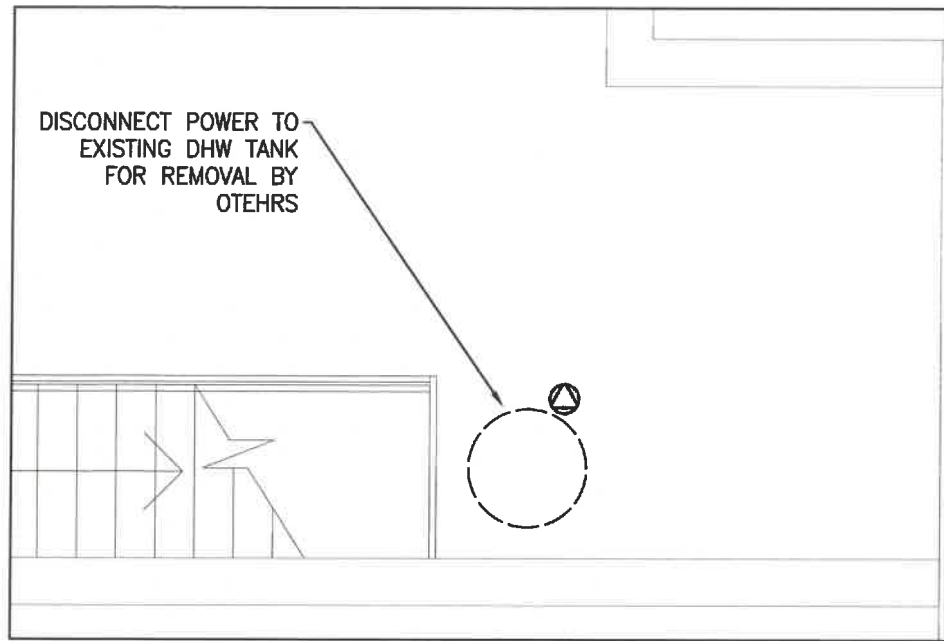
2 ELECTRICAL - POWER - NEW
SCALE: 1/4" = 1'0"

DRAWING NOTES:

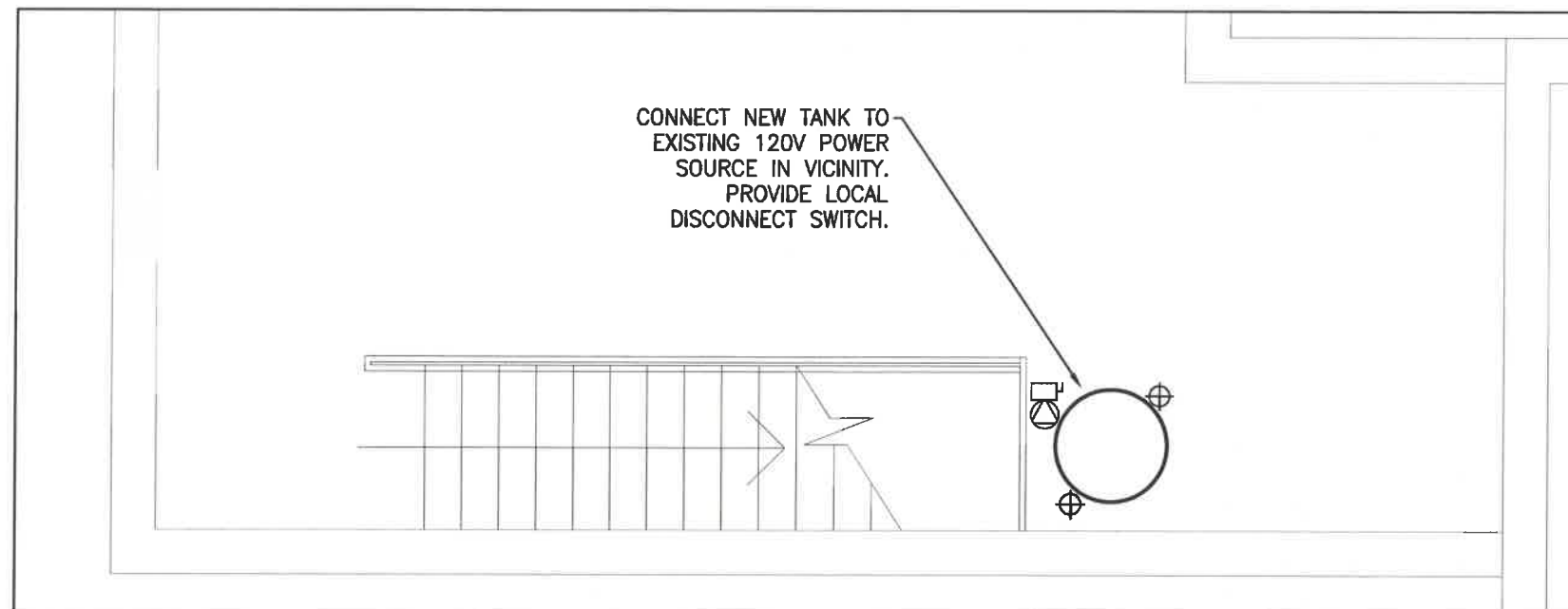
- ① REMOVE EXISTING HAND DRYER AND RETAIN FOR REINSTALLATION.
- ② REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURE. CUT BACK WIRING TO NEAREST JUNCTION BOX.
- ③ REMOVE AND DISPOSE OF EXISTING EXIT SIGN.
- ④ REMOVE EXISTING EMERGENCY LIGHTING HEAD AND RETAIN FOR REINSTALLATION.
- ⑤ REMOVE EXISTING DUPLEX RECEPTACLE. CUT BACK WIRING TO NEAREST JUNCTION BOX.
- ⑥ REMOVE EXISTING LIGHT SWITCH AND EXHAUST FAN SPEED CONTROLLER. CUT BACK WIRING TO NEAREST JUNCTION BOX.
- ⑦ REMOVE AND DISPOSE OF EXISTING BASEBOARD HEATER. CUT BACK WIRING TO NEAREST JUNCTION BOX.
- ⑧ DISCONNECT POWER FROM EXISTING EXHAUST FAN FOR REMOVAL BY OTHERS.
- ⑨ REMOVE EXISTING LIGHT SWITCH. RETAIN BACK BOX FOR NEW SWITCH.
- ⑩ NEW 500W BASEBOARD HEATER EQUAL TO OUELLET OFM0502. PROVIDE WALL MOUNTED THERMOSTAT. FEED FROM PANEL F-1 OR REUSE FEED TO EX. HEATER.
- ⑪ EXTEND EXISTING POWER FEED TO RELOCATED ELECTRIC HAND DRYER.
- ⑫ RELOCATED EMERGENCY LIGHTING HEAD.
- ⑬ NEW EMERGENCY LIGHTING HEAD TO MATCH EXISTING. CONNECT TO EXISTING BATTERY PACK.
- ⑭ REUSE EXISTING CIRCUIT FOR NEW RECEPTACLE.
- ⑮ NEW EXHAUST FAN CONNECTED TO EXISTING POWER SOURCE. INSTALL NEW SPEED CONTROLLER IN CEILING SPACE. SEE NOTE 16 FOR SWITCH.
- ⑯ NEW EXHAUST FAN TIMER SWITCH EQUAL TO LEVITON DT260-1LW (60/30/20/10 MIN. SETTINGS).
- ⑰ NEW EXIT SIGN.
- ⑱ FOR FUTURE ELECTRIC CHANGE TABLE. FEED FROM PANEL F1. CONFIRM EXACT LOCATION PRIOR TO INSTALLATION.



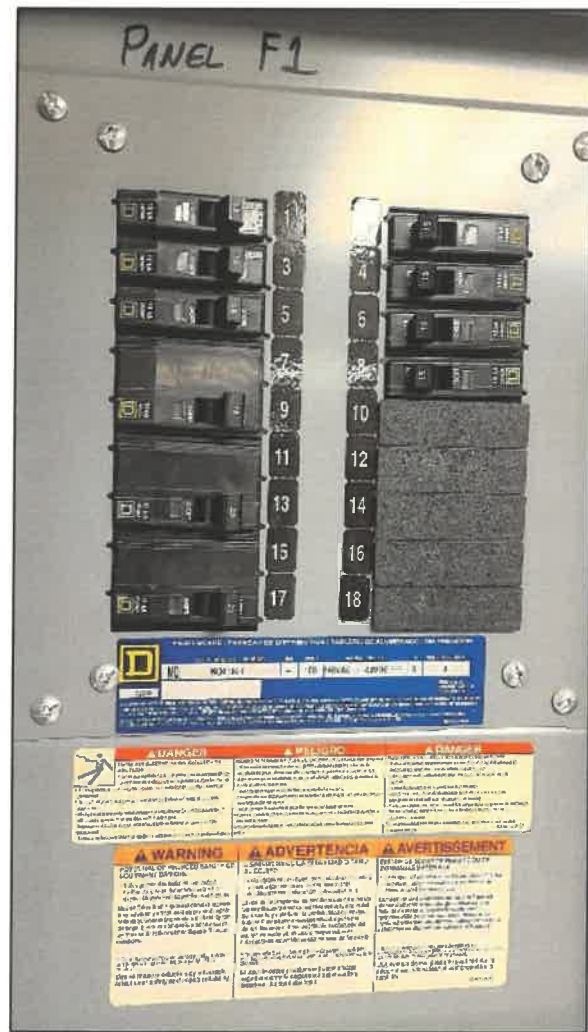
3 ELECTRICAL - LIGHTING & RCP - NEW
SCALE: 1/4" = 1'0"



1 PART SECOND FLOOR – ELECTRICAL DEMO
SCALE: 1/4" = 1'0"



2 PART SECOND FLOOR – NEW ELECTRICAL
SCALE: 1/4" = 1'0"



3 PANEL F1
SCALE: N.T.S.

LIGHTING FIXTURE SCHEDULE					
REFERENCE	MANUFACTURER AND MODEL	FIXTURE WATTAGE	LAMP TYPE	MOUNTING	REMARKS
A	COOPER HALO COMMERCIAL HC6 HC640D010-HM63040835-61WDC	42W	LED	RECESSED POT LIGHT	120V. PROVIDE LOW VOLTAGE (0-10V) OCCUPANCY SENSOR WHERE INDICATED.

Do not scale drawing.

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PROJECT

PLUMBING UPGRADES

ÉÉC SAINT-JEAN-BAPTISTE
MISSISSAUGA, ON

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PART SECOND FLOOR
PLAN - ELECTRICAL

DRAWN/CHK'D
JP/GL

PROJECT NO.
24017

DWG NO.
E-4

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PROJECT

PLUMBING UPGRADES

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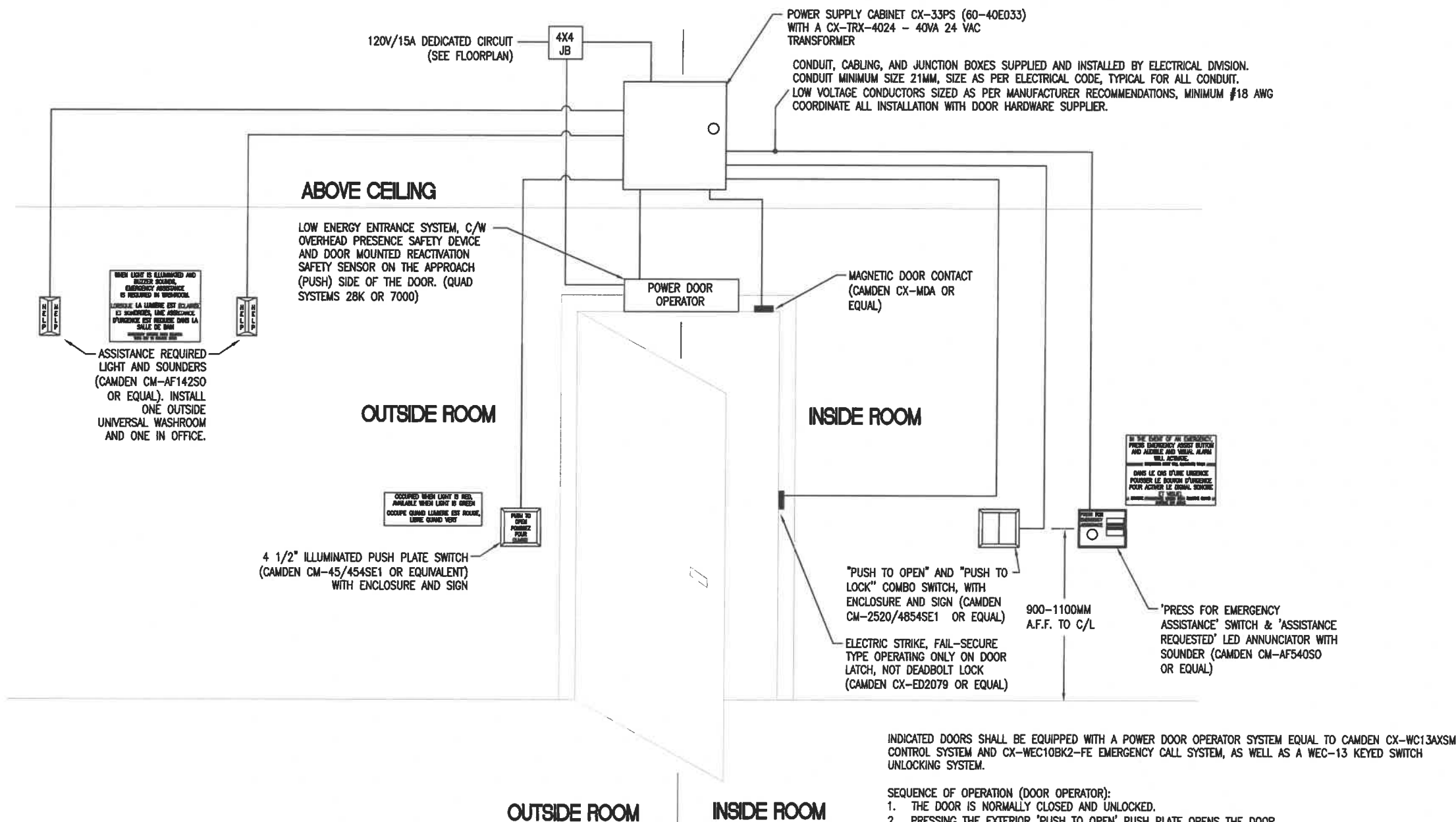
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UNIVERSAL WASHROOM
DOOR OPERATOR
DETAIL

DRAWN/CHK'D
JP/GL

PROJECT NO.
24017

DWG NO.
E-5



POWER SUPPLY CABINET CX-33PS (60-40ED33)
WITH A CX-TRX-4024 - 40VA 24 VAC
TRANSFORMER
CONDUIT, CABLING, AND JUNCTION BOXES SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION.
CONDUIT MINIMUM SIZE 21MM, SIZE AS PER ELECTRICAL CODE, TYPICAL FOR ALL CONDUIT.
LOW VOLTAGE CONDUCTORS SIZED AS PER MANUFACTURER RECOMMENDATIONS, MINIMUM #18 AWG
COORDINATE ALL INSTALLATION WITH DOOR HARDWARE SUPPLIER.

ABOVE CEILING
LOW ENERGY ENTRANCE SYSTEM, C/W
OVERHEAD PRESENCE SAFETY DEVICE
AND DOOR MOUNTED REACTIVATION
SAFETY SENSOR ON THE APPROACH
(PUSH) SIDE OF THE DOOR. (QUAD
SYSTEMS 28K OR 7000)

OUTSIDE ROOM

INSIDE ROOM

4 1/2" ILLUMINATED PUSH PLATE SWITCH
(CAMDEN CM-45/454SE1 OR EQUIVALENT)
WITH ENCLOSURE AND SIGN

"PUSH TO OPEN" AND "PUSH TO
LOCK" COMBO SWITCH, WITH
ENCLOSURE AND SIGN (CAMDEN
CM-2520/4854SE1 OR EQUAL)

ELECTRIC STRIKE, FAIL-SECURE
TYPE OPERATING ONLY ON DOOR
LATCH, NOT DEADBOLT LOCK
(CAMDEN CX-ED2079 OR EQUAL)

IN THE EVENT OF AN EMERGENCY,
PRESS EMERGENCY ASSIST BUTTON
AND ASSISTED AND VISUAL ALARM
WILL ACTIVATE.
DANS LE CAS D'UNE URGENCE,
POUR LE SONNER D'URGENCE
POUR ACTIVER LE SIGNAL SONORE

"PRESS FOR EMERGENCY
ASSISTANCE" SWITCH & "ASSISTANCE
REQUESTED" LED ANNUNCIATOR WITH
SOUNDER (CAMDEN CM-AF540S0
OR EQUAL)

INDICATED DOORS SHALL BE EQUIPPED WITH A POWER DOOR OPERATOR SYSTEM EQUAL TO CAMDEN CX-WC13AXSM CONTROL SYSTEM AND CX-WEC10BK2-FE EMERGENCY CALL SYSTEM, AS WELL AS A WEC-13 KEYED SWITCH UNLOCKING SYSTEM.

SEQUENCE OF OPERATION (DOOR OPERATOR):

1. THE DOOR IS NORMALLY CLOSED AND UNLOCKED.
2. PRESSING THE EXTERIOR "PUSH TO OPEN" PUSH PLATE OPENS THE DOOR.
3. ONCE INSIDE AND THE DOOR IS CLOSED, PRESSING THE "PUSH TO LOCK" PUSH PLATE CHANGES THE ILLUMINATED RING COLOUR TO RED AND LOCKS THE DOOR.
4. TO UNLOCK THE DOOR AND EXIT, PRESS THE INTERIOR "PUSH TO OPEN" PUSH PLATE TO UNLOCK AND OPEN THE DOOR AND RESET THE SYSTEM.
5. ON RESET, THE PUSH PLATE ILLUMINATED RINGS RETURN TO GREEN.
6. IF THE DOOR IS OPENED MANUALLY TO EXIT THE RESTROOM, THE OVERHEAD MAGNETIC CONTACT SWITCH RESETS THE SYSTEM.

SEQUENCE OF OPERATION (EMERGENCY CALL SYSTEM):

1. THE "PRESS FOR EMERGENCY ASSISTANCE" MUSHROOM PUSH BUTTON IS ACTIVATED BY THE OCCUPANT.
2. THIS ENERGIZED THE LED ANNUNCIATOR AND SOUNDER WITHIN THE WASHROOM AND THE REMOTE LED DOME LIGHTS/SOUNDERS.
3. BOTH ANNUNCIATORS ARE ENERGIZED UNTIL THE LATCHING MUSHROOM PUSH BUTTON SWITCH IS PULLED OUT.

NOTE:

1. POWER DOOR OPERATOR HARDWARE SUPPLIED BY DOOR HARDWARE SUPPLIER, INSTALLED BY ELECTRICAL DIVISION. PROVIDE ALL MATERIALS NOT INCLUDED IN DOOR HARDWARE SUPPLIER QUOTE TO FACILITATE A COMPLETE SYSTEM.
2. ALL SIGNAGE SHALL BE SUPPLIED IN BOTH FRENCH & ENGLISH.

1 UNIVERSAL WASHROOM DOOR OPERATOR AND EMERGENCY CALL SYSTEM
SCALE: N.T.S.

ELECTRICAL SPECIFICATIONS

GENERAL REQUIREMENTS:

- 1.1. OBTAIN ALL APPROVALS FROM PUBLIC AUTHORITIES HAVING JURISDICTION BEFORE COMMENCING WORK AND PAY ALL INSPECTION FEES AND ALL PERMITS. COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE APPLICABLE C.S.A STANDARDS, ONTARIO BUILDING CODE. ELECTRICAL SAFETY CODE, APPLICABLE ULC STANDARDS, AND THE OWNER'S REQUIREMENTS. SUBMIT CERTIFICATE OF INSPECTION AND APPROVAL FROM ALL AUTHORITIES HAVING JURISDICTION.
- 1.2 DO NOT REDUCE THE STANDARDS ESTABLISHED BY THE DRAWINGS AND SPECIFICATIONS BY APPLYING ANY OF THE CODES REFERRED TO HEREIN.
- 2. DRAWINGS
 - 2.1 EXAMINE ALL DRAWINGS BEFORE PROCEEDING WITH THE WORK.
 - 2.2 ANY DISCREPANCIES BETWEEN DRAWINGS AND/OR SPECIFICATIONS MUST BE REFERRED TO THE CONSULTANT BEFORE ANY AFFECTED WORK IS COMMENCED.
 - 2.3 ELECTRICAL DRAWINGS SHALL NOT BE USED FOR EQUIPMENT LAYOUT. DO NOT SCALE ELECTRICAL DRAWINGS.
 - 2.4 ENSURE THAT ALL ELECTRICAL EQUIPMENT SUPPLIED BY OTHER TRADES IS SUITABLE FOR THE RESPECTIVE VOLTAGE. CONFIRM POWER REQUIREMENTS OF ALL OWNER SUPPLIED EQUIPMENT.
 - 2.5 ALL CUTTING AND PATCHING REQUIRED FOR THE WORK OF THIS DIVISION SHALL BE CARRIED OUT BY THIS DIVISION. NO CHASING BLOCKWORK WILL BE ALLOWED. ALLOW TO SCAN THE FLOOR PRIOR TO CUTTING IN LOCATION OF EXISTING SERVICES. PROVIDE DUST CONTROL MEASURES DURING CUTTING.
 - 2.6 COMPLY WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR EQUIPMENT AND MATERIAL SUPPLIED.
 - 2.7 BE RESPONSIBLE FOR AND PAY FOR ANY DAMAGE TO THE BUILDING INCURRED BY WORK OF THIS DIVISION.
 - 2.8 SUBMIT PDF SHOP DRAWINGS FOR REVIEW AND RECORDS.
 - 2.9 CO-ORDINATE WITH OTHER TRADES IN LAYING OUT OF THE WORK SO AS NOT TO CONFLICT WITH THE WORK OF OTHER TRADES. CARRY OUT WORK PROMPTLY WHICH MAY INTERFERE WITH THE WORK SCHEDULE OF OTHER TRADES.
- 3. BASIC METHODS AND MATERIALS:
 - 3.1 ALL MATERIALS USED SHALL BE SUITABLE FOR THEIR APPLICATION. ALL EXTERIOR FASTENERS AND SUPPORTING MATERIALS FORMING A COMPLETE ELECTRICAL SYSTEM SHALL BE WEATHERPROOF. NUTS, BOLTS, ETC. MATERIAL SHALL BE STAINLESS STEEL OR APPROVED EQUAL
 - 3.2 ALL MATERIALS USED THROUGHOUT SHALL BE NEW, OF BEST QUALITY C.S.A. APPROVED AND OF ONE MANUFACTURER. WHEREVER TRADE NAMES ARE NOT USED TO DESCRIBE MATERIALS, THESE MATERIALS SHALL BE OF BEST AVAILABLE QUALITY AND MANUFACTURE. OBTAIN AND PAY FOR SPECIAL HYDRO INSPECTION OF SPECIFIED NON-C.S.A ELECTRICAL EQUIPMENT.
 - 3.3 PROVIDE ALL CONDUIT, WIRING, BOXES, SWITCHES, OUTLETS, DEVICES, ETC., AS REQUIRED. MAKE FINAL CONNECTIONS TO VIBRATING EQUIPMENT WITH FLEXIBLE CONDUIT.
 - 3.4 ELECTRICAL BOXES FOR SUPPORT OF EXTERIOR OR WALL LIGHT FIXTURES SHALL BE RIGID TYPE, C/W POINT SUPPORT.
 - 3.5 CLEARLY MARK ALL EXPOSED CONDUIT, PULL BOXES, JUNCTION BOXES, ETC., TO INDICATE THE NATURE OF THE SERVICE.
 - 3.6 PROVIDE LAMICOID LABELS WITH EQUIPMENT IDENTIFICATION, PANEL SOURCE, AND CIRCUIT NUMBER ON ALL NEW PANELS, DISCONNECT SWITCHES, STARTERS, ETC.
 - 3.7 UPDATE ALL AFFECTED PANEL SCHEDULES.

4. CONDUITS:

- 4.1 ALL CONDUIT SHALL BE RIGID STEEL THICK WALLED OR EMT THINWALL WITH STEEL SET SCREW COUPLINGS AND CONNECTORS WITH INSULATED THROATS UNLESS OTHERWISE NOTED. CONDUITS IN FINISHED AREAS SHALL BE CONCEALED UNLESS OTHERWISE NOTED. EXPOSED CONDUITS AND OTHER RACEWAYS SHALL BE NEAT IN APPEARANCE, RUN PARALLEL TO BUILDING LINES AND CONCENTRIC RIGHT ANGLE BENDS ONLY SHALL BE USED. EXPOSED CONDUITS ARE ALLOWED ONLY IN UTILITY ROOMS. CONDUIT WORK FOR ALL EXTERIOR DEVICES SHALL BE INSTALLED, CONCEALED AND ON THE INTERIOR SIDE OF THE BUILDING ENVELOPE.
- 4.2 CONNECTORS TO ELECTRICAL PANELS, FIRE ALARM PANEL, SWITCHBOARDS, HEAD-MAIN EQUIPMENT SHALL BE C/W RAIN TIGHT CONNECTORS TO ENSURE EQUIPMENT INTEGRITY IN CASE OF WATER SPILLAGE.
- 4.3 CONDUITS SHALL NOT BE SUSPENDED FROM THE ROOF DECK. INSTALL ALL CONDUITS AT JOIST LEVEL PROVIDE ALL REQUIRED CONDUIT SUPPORT HARDWARE.
- 4.4 EXTERIOR CONDUITS TO BE LIQUID TIGHT AND RATED FOR EXTERIOR SERVICE.

5. WIRING:

- 5.1 ALL WIRING SHALL BE MINIMUM #12 GAUGE COPPER, EXCEPT AS OTHERWISE NOTED. ALL WIRING SHALL BE 600 VOLT TYPE RW90 INSTALLED IN METALLIC CONDUIT, UNLESS OTHERWISE NOTED. AC-90 CABLES MAY BE USED WHERE PERMITTED BY CODE IN CEILING SPACE FOR FINAL CONNECTION TO LIGHT FIXTURE AND FROM CEILING DISTRIBUTION BOXES.
- 5.2 MINIMUM SIZE WIRING FOR DC WIRING SHALL BE #10 GAUGE. MAXIMUM VOLTAGE DROP SHALL NOT EXCEED 2,C AT ALL FINAL OUTLET LOCATIONS.
- 5.3 ALL WIRING SHALL BE SIZED COMPLIANT WITH 75-C RATED EQUIPMENT, SUBJECT TO DERATING AS PER TABLES SA, SB, SC & 50.
- 5.4 UNDERGROUND WIRING FEEDERS AND BRANCH WIRES SHALL BE RWU RATED FOR DIRECT BURIAL INSTALLED IN SPECIFIED UNDERGROUND CONDUITS AS NOTED ON THE ELECTRICAL DRAWINGS.

6. GROUNDING:

- 6.1 PROVIDE GROUND WIRES WITH ALL FEEDERS AND CIRCUITS IN ACCORDANCE WITH APPLICABLE CODES AND HYDRO REQUIREMENTS.
- 6.2 PROVIDE ALL REQUIRED BONDING AS REQUIRED BY CODE.

7. MECHANICAL TRADES WIRING:

- 7.1 PROVIDE ALL CONDUIT, WIRING, SPLITTERS, OUTLET BOXES AND DISCONNECT SWITCHES AS SHOWN. ALL MOTORS, STARTERS. AND CONTROL WIRING BELOW 120V PROVIDED UNDER DIVISION 15. DIVISION 16 SHALL INSTALL ALL LINE VOLTAGE STARTERS, THERMOSTATS, AND WIRING. PROVIDE ALL LINE VOLTAGE WIRING AS REQUIRED.
- 7.2 CONTRACTOR TO ENSURE THAT THE ELECTRICAL SYSTEMS ARE FUNCTIONAL AND IN GOOD WORKING ORDER AS PER THE ELECTRICAL SPECIFICATIONS AND TO THE INTENT OF THE ELECTRICAL DRAWINGS.

8. COMPLETION OF CONTRACT

- 8.1 ON COMPLETION OF WORK, THIS CONTRACTOR SHALL CONTACT THE ENGINEER (GINETTE LAMOUREUX 647-444-5041) TO PERFORM A FINAL INSPECTION. WHEN CEILING TILES HAVE BEEN INSTALLED IT WILL BE NECESSARY FOR THE CONTRACTOR TO REMOVE PORTIONS FOR INSPECTION.
- 8.2 ONE YEAR WRITTEN WARRANTY SHALL BE PROVIDED COVERING ALL EQUIPMENT, MATERIALS AND WORKMANSHIP FROM THE DATE OF SUBSTANTIAL COMPLETION.

8.3 ALL EQUIPMENT MUST BE CLEANED, TESTED, AND COMMISSIONED PRIOR TO SUBSTANTIAL COMPLETION BEING GRANTED.

9. CLOSE-OUTS

- 9.1 ALL CHANGES AND DEVIATIONS FROM DRAWINGS SHALL BE RECORDED ON A SET OF WHITE PRINTS AT THE SITE DESIGNATED FOR THIS PURPOSE.
- 9.2 PROVIDE COPY OF THESE MARK-UPS TO ENGINEER ON COMPLETION OF THE PROJECT FOR UPDATE OF CAD DRAWINGS.
- 9.3 OPERATING AND MAINTENANCE MANUALS CONTAINING APPROVED SHOP DRAWINGS, ESA CERTIFICATE, 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.
- 9.4 THREE (3) COPIES OF OPERATING AND MAINTENANCE MANUALS SHALL BE SUBMITTED TO THE OWNER ONCE APPROVED BY THE CONSULTANT.

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PROJECT

PLUMBING UPGRADES

**ÉÉC SAINT-JEAN-BAPTISTE
MISSISSAUGA, ON**

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**ELECTRICAL
SPECIFICATIONS**

DRAWN/CHK'D PROJECT NO. DWG NO.
JP/GL 24017 E-6