

EASTDALE ELEMENTARY SCHOOL

RENOVATION PROJECT

99 Lincoln Rd, Hamilton, ON L8E 1Z4



ISSUED FOR TENDER
MAY 09, 2024

DRAWING LIST

ARCHITECTURAL

- COVER PAGE
- A001 DRAWING LIST, GENERAL NOTES, KEY PLAN AND WASHROOM CALCULATION
- A100 OVERALL GROUND AND SECOND FLOOR PLANS
- A101 PARTIAL GROUND FLOOR PLAN - GENERAL AND FLOOR FINISH DEMO-GENERAL NEW
- A102 PARTIAL SECOND FLOOR PLAN- GENERAL FLOOR PLAN- NEW
- A103 PARTIAL GROUND FLOOR PLAN - REFLECTED CEILING PLAN- DEMO & NEW
- A104 PARTIAL SECOND FLOOR PLAN - REFLECTED CEILING PLAN- DEMO & NEW
- A105 PARTIAL GROUND AND SECOND FLOOR PLAN- FLOOR FINISH- NEW
- A200 INTERIOR ELEVATIONS

MECHANICAL

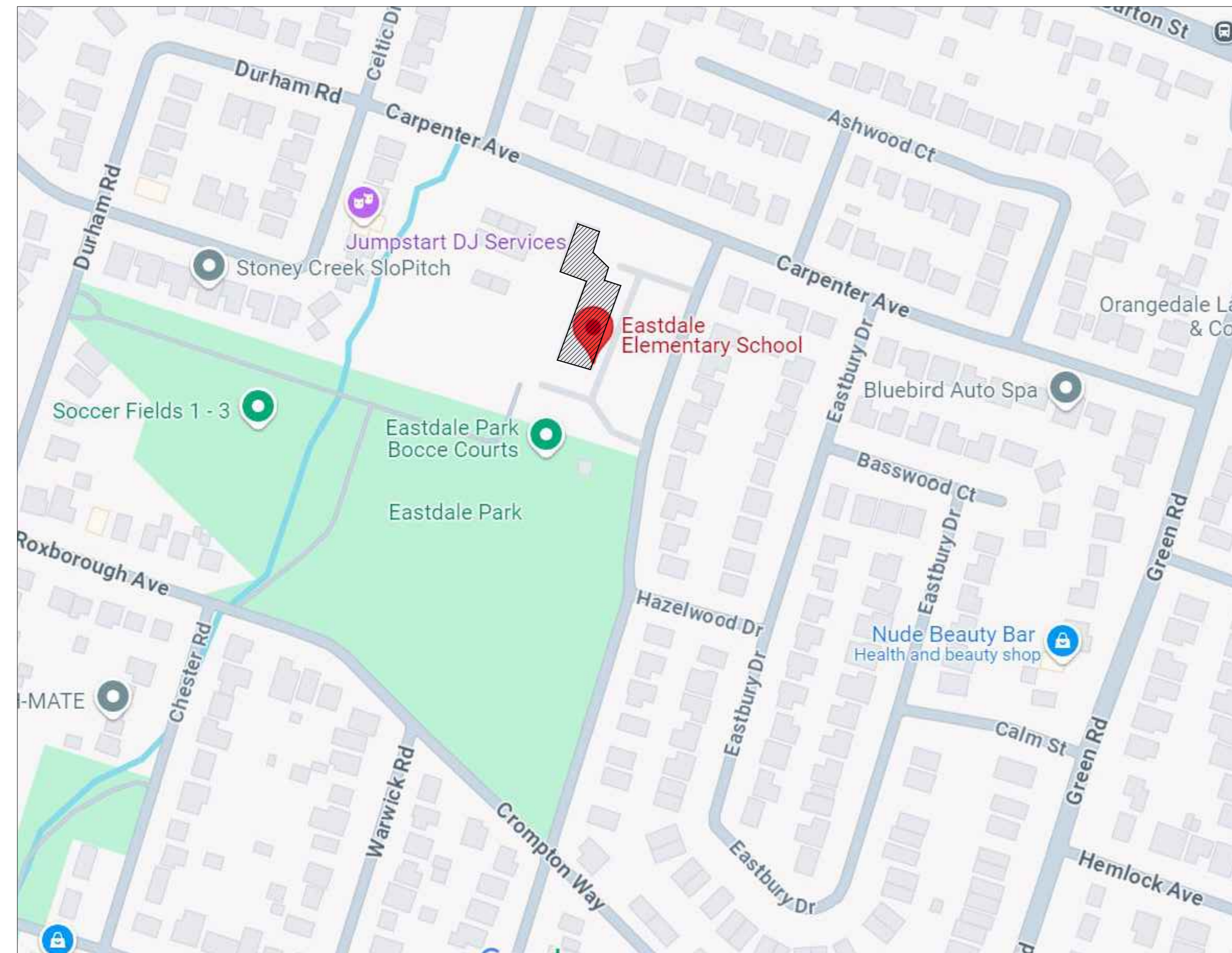
*REFER TO MECHANICAL DRAWING PACKAGE FOR THE FULL MECHANICAL DRAWINGS LIST

ELECTRICAL:

*REFER TO ELECTRICAL DRAWING PACKAGE FOR THE FULL ELECTRICAL DRAWINGS LIST

GENERAL NOTES & CONIDITIONS

- GENERAL CONTRACTOR IS RESPONSIBLE TO CHECK AND VERIFY ALL DIMENSIONS ON SITE.
- CHECK ALL MATERIALS USED IN CONSTRUCTION FOR DEFECTS. ONLY NEW, UNBLEMISHED MATERIALS TO BE USED.
- THE WORK SHOWN ON THE DRAWINGS AND SPECIFICATIONS MAY OR MAY NOT BE ALL THE WORK REQUIRED. DO ALL DEMOLITION, MAKE GOOD ALL FINISHES AND EXECUTE ALL NECESSARY WORK INCLUDING INCIDENTALS TO MAKE A COMPLETE JOB OF THE ALTERATIONS.
- WHERE NEW WORK, INCLUDING ALL ELECTRICAL AND MECHANICAL WORK, CONNECTS WITH EXISTING AND WHERE EXISTING WORK IS ALTERED, ALL NECESSARY CUTTING AND FITTING REQUIRED TO MAKE SATISFACTORY CONNECTIONS WITH THE EXISTING WORK SHALL BE PERFORMED UNDER THIS CONTRACT SO AS TO LEAVE THE ENTIRE WORK IN A FINISHED AND WORKMANLIKE CONDITION.
- WHERE EXISTING WORK IS TO BE MADE GOOD THE NEW WORK SHALL MATCH EXACTLY THE OLD WORK IN MATERIAL, FORM, CONSTRUCTION AND FINISH UNLESS OTHERWISE NOTED OR SPECIFIED.
- WORKING HOURS: CONFIRM WORK SCHEDULE WITH THE BOARD PRIOR TO THE COMMENCEMENT OF THE WORK. CONTRACT TO INCLUDE WORK TO BE PERFORMED AFTER SCHOOL HOURS AND ON WEEKENDS.
- MAKE GOOD ALL SURFACES DISTURBED BY THE EXECUTION OF THIS CONTRACT WHETHER SUCH SURFACES ARE LOCATED WITHIN THE AREA OF WORK OR NOT. MAKE GOOD TO NEW CONDITION MATCHING SURROUNDING SURFACES.
- GENERAL CONTRACTOR SHALL CORRELATE AND COORDINATE HIS WORK WITH THAT OF OTHER CONTRACTORS HAVING SEPARATE CONTRACTS WITH THE OWNER IN ORDER TO COMPLETE THE WORK AS EXPEDITIOUSLY AS POSSIBLE.
- REFER TO DESIGNATED SUBSTANCE REPORT FOR THE EXTENT AND LEVEL OF ABATEMENT REQUIRED TO PERFORM CONTRACT.
- SUBMIT ONE (1) ELECTRONIC COPY OF BUILT DRAWINGS (IN AUTOCAD AND PDF FORMATS) PRIOR TO SUBSTANTIAL COMPLETION OR WORK.



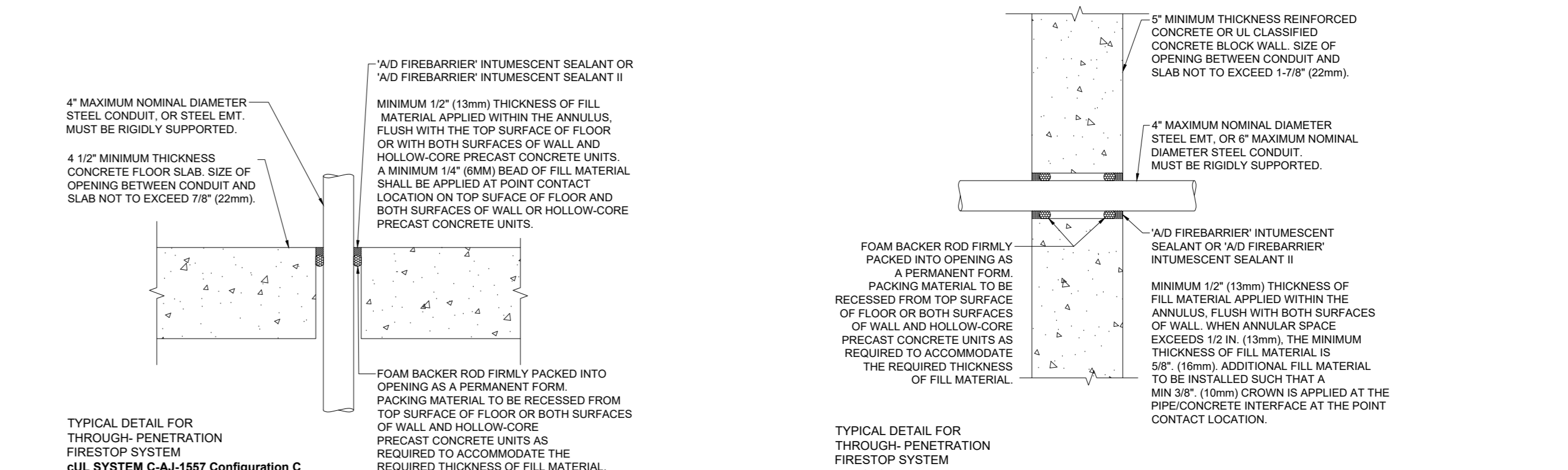
WASHROOM CALCULATION				
STUDENT POPULATION: 841 STAFF POPULATION: 60	OBC REQUIREMENT WATER CLOSETS/ URINALS	TOTAL EXISTING	TOTAL NEW	OBC REFERENCE
UNIVERSAL WASHROOM (ENTIRE SCHOOL)	1	1	0	3.8.2.3 TABLE 3.8.2.3.A
STUDENT WASHROOM				
BOYS (420) GIRLS(421)	14 17	4 W.C. & 9 Urinals = 13 14	1 W.C. & 2 Urinals = 3 4	3.7.4.3.(14)
B/F WATER CLOSET STALL- BOYS GROUND FLOOR	1	1	0	3.8.2.3 TABLE 3.8.2.3.B.
B/F WATER CLOSET STALL- GIRLS GROUND FLOOR	1	1	0	3.8.2.3 TABLE 3.8.2.3.B.
B/F WATER CLOSET STALL- BOYS SECOND FLOOR	1	1	0	3.8.2.3 TABLE 3.8.2.3.B.
B/F WATER CLOSET STALL- GIRLS SECOND FLOOR	1	1	0	3.8.2.3 TABLE 3.8.2.3.B.
GENDER FREE WATER CLOSET STALL- SECOND FLOOR	-	1	0	3.8.2.3 TABLE 3.8.2.3.B.
KINDERGARTEN				
BOYS & GIRLS	-	5	0	
STAFF WASHROOM				
MALE (30) FEMALE (30)	1 2	2 W.C. & 0 Urinals = 2 2	0	3.7.4.3 TABLE 3.7.4.3.A.
B/F WATER CLOSET STALL- MALE STAFF GROUND FLOOR	0	1	0	3.8.2.3 TABLE 3.8.2.3.B.
B/F WATER CLOSET STALL- FEMALE STAFF GROUND FLOOR	0	1	0	3.8.2.3 TABLE 3.8.2.3.B.
B/F WATER CLOSET STALL- STAFF SECOND FLOOR	1	1	0	3.8.2.3 TABLE 3.8.2.3.B.

1 KEY PLAN SCALE: N.T.S.

2 WASHROOM CALCULATION SCALE: N.T.S.

3 2 HOUR VERTICAL FIRESTOPPING DETAIL SCALE: N.T.S.

4 2 HOUR HORIZONTAL FIRESTOPPING DETAIL SCALE: N.T.S.



Item	Ontario's 2012 Building Code Data Matrix Part 3 or 9	OBC Reference
1	Project Description: <input type="checkbox"/> Portable <input type="checkbox"/> New <input type="checkbox"/> Part 11 <input checked="" type="checkbox"/> Part 9 <input checked="" type="checkbox"/> Renovation <input type="checkbox"/> Addition <input type="checkbox"/> Change of Use <input checked="" type="checkbox"/> Alteration	X Part 3 11.1 to 11.4 1.1.2 [A] 1.1.2 [A] & 9.10.1.3.
2	Major Occupancy: <input checked="" type="checkbox"/> Assembly	3.1.2.(1) 9.10.2
3	Building Area (m ²): Existing +/- 3,275 New N/A Total +/- 3,275	1.4.1.2 [A] 1.4.1.2 [A]
4	Gross Area: Existing +/- 5,255 New N/A Total +/- 5,255	1.4.1.2 [A] 1.4.1.2 [A]
5	Number of Storeys: Above grade: 2 Below grade: N/A	1.4.1.2 [A] & 3.2.5.1.1 1.4.1.2 [A] & 9.10.4
6	Number of Streets/Fire Fighter Access: N/A (Existing)	3.2.2.10. & 3.2.5. 9.10.20.
7	Building Classification: Group A Division 2	3.2.2.20.-83 9.10.2.
8	Sprinkler System Proposed: (Existing) <input type="checkbox"/> entire building <input type="checkbox"/> selected compartments <input type="checkbox"/> selected floor areas <input type="checkbox"/> basement <input type="checkbox"/> in lieu of roof rating <input type="checkbox"/> not required	3.2.2.20.-83 3.2.1.5. 3.2.2.17. INDEX INDEX
9	Standpipe required: N/A (Existing)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 3.2.9. N/A
10	Fire Alarm required: (Existing)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 3.2.4. 9.10.18.
11	Water Service/Supply is Adequate: <input type="checkbox"/> N/A Existing <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.2.5.7. N/A
12	High Building: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.2.6. N/A
13	Construction Restrictions: <input type="checkbox"/> Combustible permitted <input checked="" type="checkbox"/> Non-combustible required Actual Construction: <input type="checkbox"/> Combustible <input checked="" type="checkbox"/> Non-combustible	<input type="checkbox"/> Both <input checked="" type="checkbox"/> Both 3.2.2.20.-83 9.10.6.
14	Mezzanine(s) Area m ² : N/A	3.2.1.1.(3)-(8) 9.10.4.1.
15	Occupant load based on: <input type="checkbox"/> m ² /person <input checked="" type="checkbox"/> design of building Basement: Occupancy: NA Load: _____ persons 1 st Floor: Occupancy: 601 Load: _____ persons 2 nd Floor: Occupancy: 300 Load: _____ persons 3 rd Floor: Occupancy: NA Load: _____ persons (Additional floor areas continued below)	3.1.1.7. 9.9.1.3.
16	Barrier-free Design: (Existing) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain) _____ <input type="checkbox"/> Yes (Partial)	3.8. 9.5.2.
17	Hazardous Substances: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.3.1.2. & 3.3.1.19. 9.10.13.(3,4)

NO	DESCRIPTION	DATE
1	ISSUED FOR DESIGN DEVELOPMENT CLIENT REVIEW	18.03.2024
2	ISSUED FOR BUILDING PERMIT	26.04.2024
3	ISSUED FOR TENDER	09.05.2024



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99 Lincoln Rd., Hamilton, ON L8E 1Z4

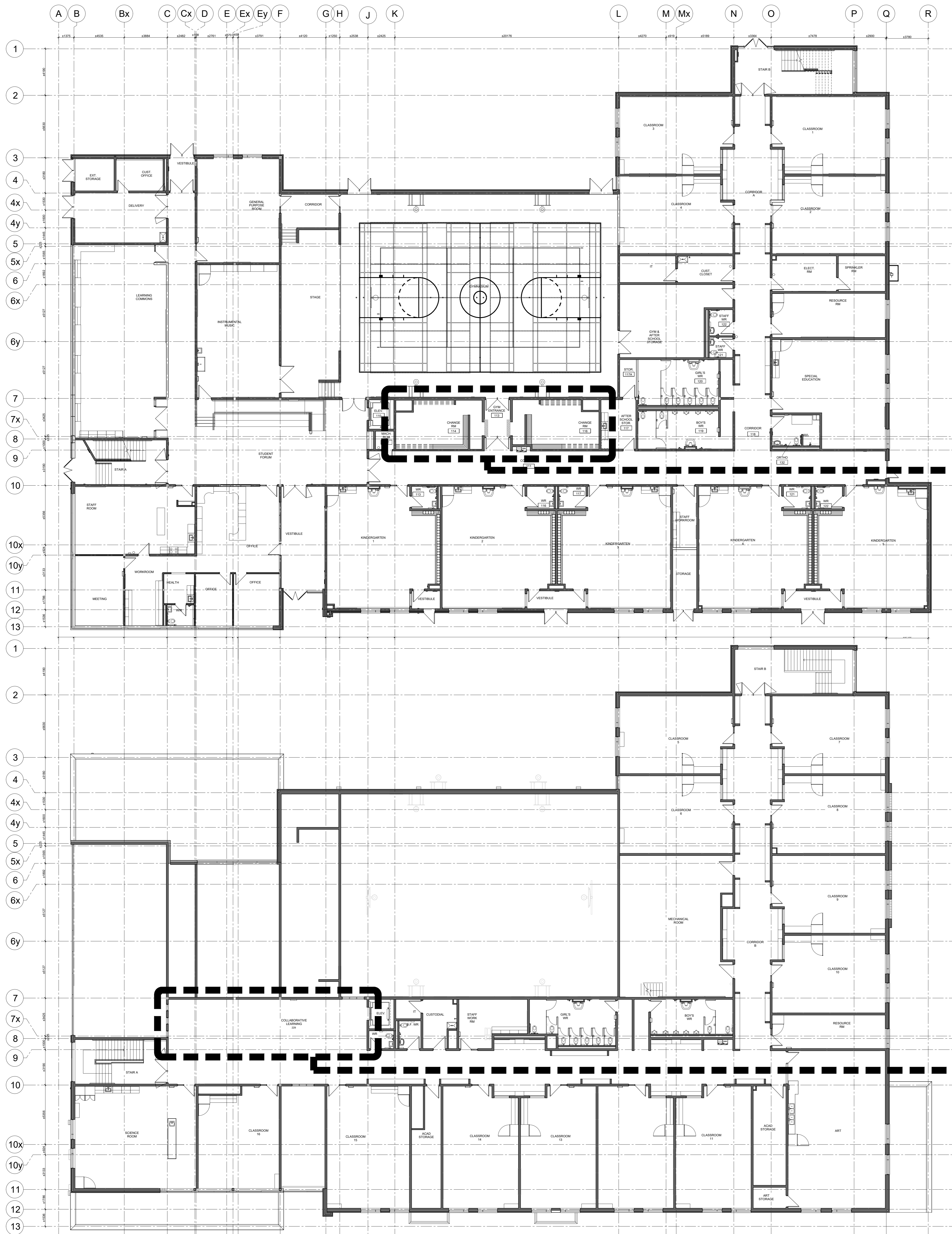
NCA ARCHITECTS
200 FORT ST. 4L, MISSISSAUGA, ON L4X 1L2
TEL: 416 887 8822
www.ncaarch.com

PROJECT NO: 2420777
SCALE: AS NOTED

MECHANICAL CONSULTANT: **CKE**
ELECTRICAL CONSULTANT: **CKE**

SHEET TITLE: DRAWING LIST, GENERAL NOTES, KEY PLAN AND WASHROOM CALCULATION

SHEET NO: A001
DATE: MM/YY
PROJECT NO: 2420777
SCALE: AS NOTED



1&2 A101 1&2 A103 1 A105 1&2&3 A200

1 OVERALL GROUND FLOOR PLAN
SCALE: 1:200

1 A102 1&2 A104 2 A105

2 OVERALL SECOND FLOOR PLAN
SCALE: 1:200

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REVISIONS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD
EASTDALE ELEMENTARY SCHOOL RENOVATION PROJECT
 99 Lincoln Rd, Hamilton, ON L8E 1Z4

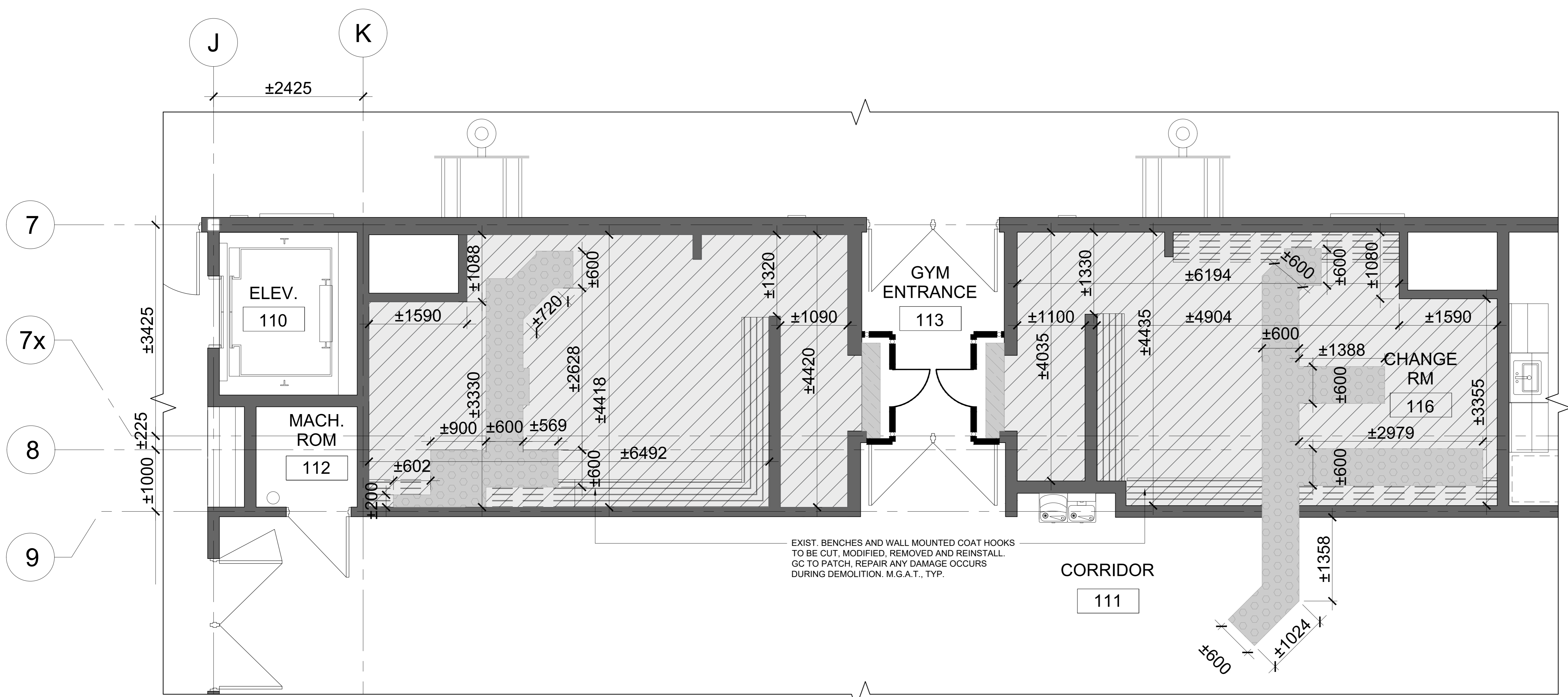
NCA ARCHITECTS
 500 RIVER ST. 4L
 MISSISSAUGA, ONTARIO L4V 1R7
 TEL: 905.887.7000
 WWW.NCAON.COM

PROJECT NO.	DATE
2420777	04/2024

SHEET TITLE
OVERALL GROUND AND SECOND FLOOR PLANS

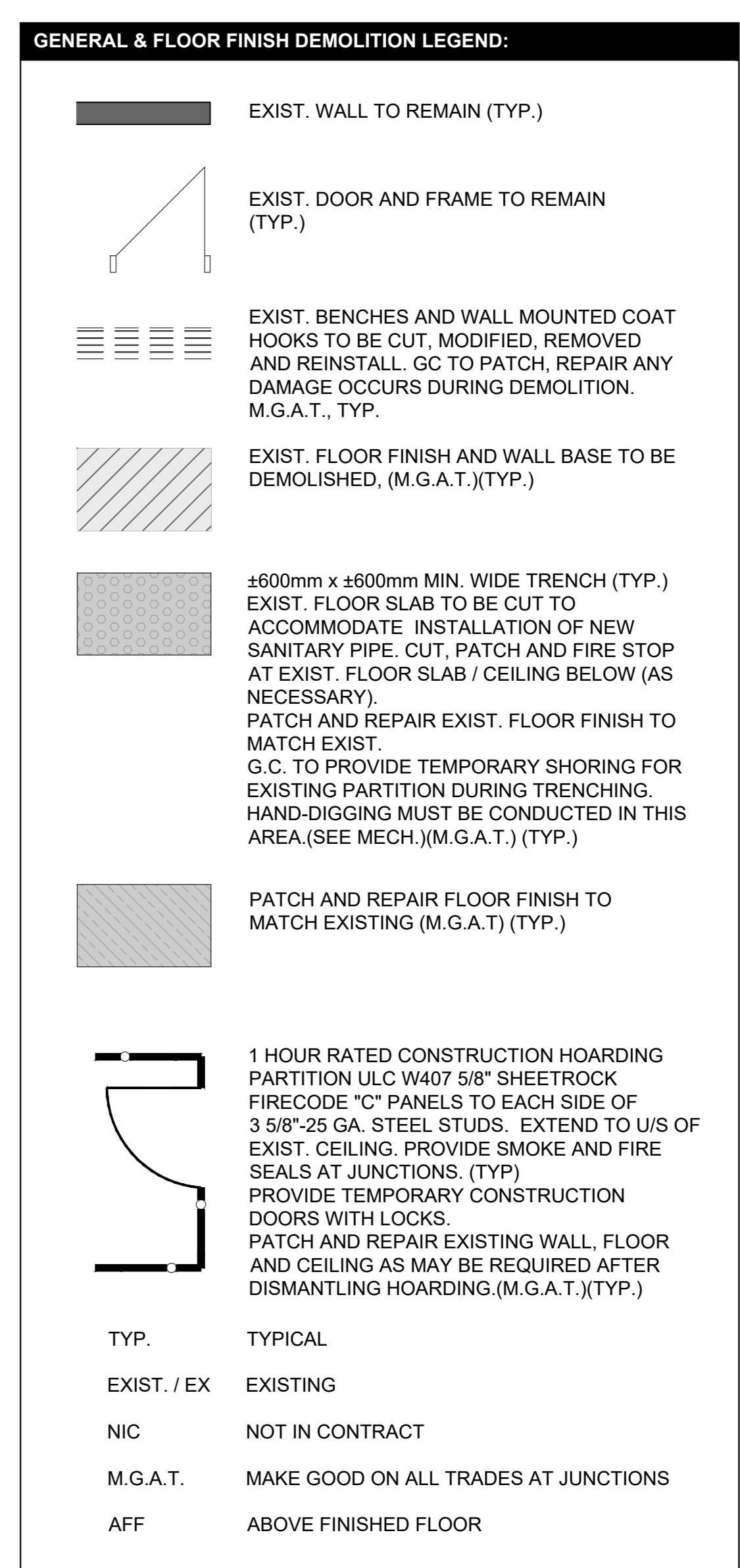
SHEET NO.	DESIGNED BY	CHECKED BY
A100	MM	RN

PROJECT NO. 2420777
SCALE: AS NOTED

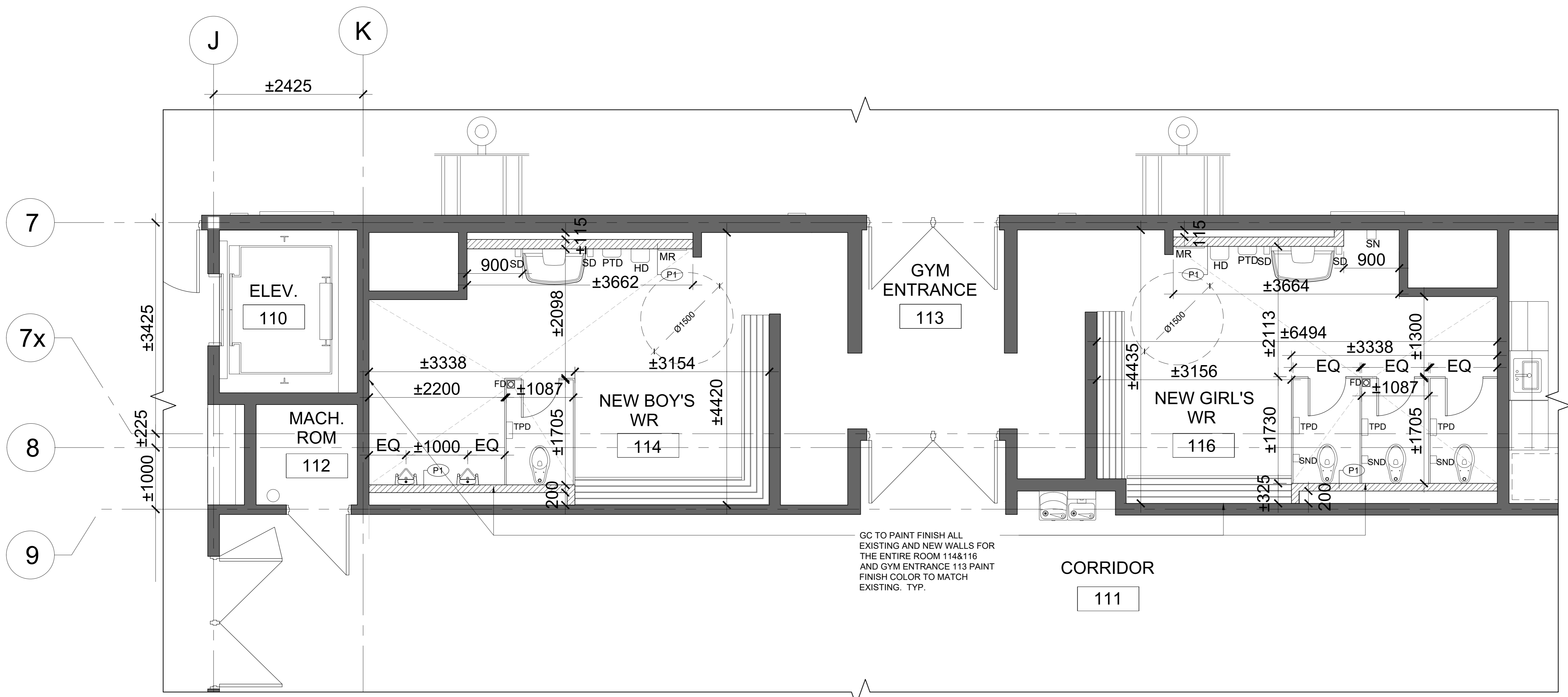


1 PARTIAL GROUND FLOOR PLAN - GENERAL AND FLOOR FINISH- DEMO
SCALE: 1:50

- GENERAL DEMOLITION NOTES:**
1. ALL EXISTING MASONRY WALLS DISTURBED AND DAMAGED DURING DEMOLITION TO BE REPAIRED, PATCHED & CEMENTED, READY FOR FINISH.
 2. THIS DRAWING TO BE READ IN CONJUNCTION W/ STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. REPORT ANY DISAGREEMENTS OR CONFLICTS BETWEEN CONSULTANT'S DRAWINGS TO THE ARCHITECT.
 3. CUT OUT SCRATCHES, CRACKS AND ABRASIONS IN WALL SURFACES AND ADJOINING TRIMS AS REQUIRED AND FILL WITH AN APPROVED NON-SHRINKPATCHING COMPOUND FLUSH WITH ADJOINING SURFACE. WHEN DRY, SAND THE PATCH SMOOTH AND SEAL BEFORE THE APPLICATION OF THE PRIME COAT.
 4. CONTRACTOR IS TO PROVIDE TEMPORARY PLASTIC COVER SHEETS TO EXISTING GRILLES, RADIATORS AND EQUIPMENTS PRIOR TO THE DEMOLITION WORKS.
 5. CONTRACTOR TO CHECK ALL MATERIALS USED IN CONSTRUCTION FOR DEFECTS. ONLY NEW, UNBLEMISHED MATERIALS ARE TO BE USED.
 6. WHERE NEW WORK, INCLUDING ALL ELECTRICAL & MECHANICAL WORK CONNECTS WITH EXISTING & WHERE EXISTING WORK IS ALTERED, ALL NECESSARY CUTTING & FITTING REQUIRED TO MAKE SATISFACTORY CONNECTIONS WITH THE EXISTING WORK SHALL BE PERFORMED UNDER THIS CONTRACT, SO AS TO LEAVE THE ENTIRE WORK IN FINISHED AND WORKMANLIKE CONDITION.
 7. ALL DIMENSIONS SHOWN ARE APPROXIMATE. DIMENSIONS MUST BE SITE VERIFIED BY CONTRACTOR.
 8. GENERAL CONTRACTOR IS TO PROVIDE ALL NECESSARY FRAMING AND EQUIPMENT TO SUPPORT THE CUTTING OF OPENINGS IN A LOAD SUPPORTING WALL.
 9. GENERAL CONTRACTOR IS RESPONSIBLE TO CO-ORDINATE W/ MECH & ELEC SUB-CONTRACTORS TO CONFIRM QUANTITIES LOCATION FOR THE DEMO OF ALL, INCLUDING BUT NOT LIMITED TO EXISTING DUCTWORK, PIPING, CONDUIT, ETC.
 10. GENERAL CONTRACTOR TO REPAIR, PATCH, FIRESTOP & INFILL EXISTING WALLS & PARTITION OPENINGS FROM THE DEMO OF EXISTING MECH & ELEC SYSTEM (TYP.) (M.G.A.T.)
 11. ANY CONFLICTS, OMISSIONS, DISCREPANCIES AND DISAGREEMENT IN ARCHITECTURAL DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO ANY PROCEEDING FOR ITS CLARIFICATIONS AND INSTRUCTIONS.
 12. GC WILL BE RESPONSIBLE TO CONTACT THE ARCHITECT FOR REVIEW AND APPROVAL OF SETTING OUT LINES (CHALK LINES) PRIOR TO STUD AND/OR PARTITION CONSTRUCTION.
 13. GC AND ALL SUB-CONTRACTOR SHALL VERIFY ALL JOB SITE DIMENSIONS WITH ALL DRAWINGS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH WORK.
 14. GC IS TO PROVIDE ALL NECESSARY FRAMING AND EQUIPMENT TO SUPPORT THE CUTTING OF OPENINGS IN A LOAD SUPPORTING WALL.
 15. UPON COMPLETION, CLEAN THE ENTIRE AREA OF DEMOLITION TO A TIDY, UNIFORM CONDITION REMOVING ALL DEBRIS, DUST, PARTITIONS AND ASSOCIATED MATERIALS USED DURING THE DEMOLITION. CLEAN ALL AREAS IMPACTED BY THE DEMOLITION, INCLUDING BUT NOT LIMITED TO ADJACENT OCCUPIED AREAS AND AREAS NOT WITHIN THE SCOPE OF WORK.
 16. ALL EXIST. WASHROOM ACCESSORIES TO BE TURNED OVER TO THE CLIENT.



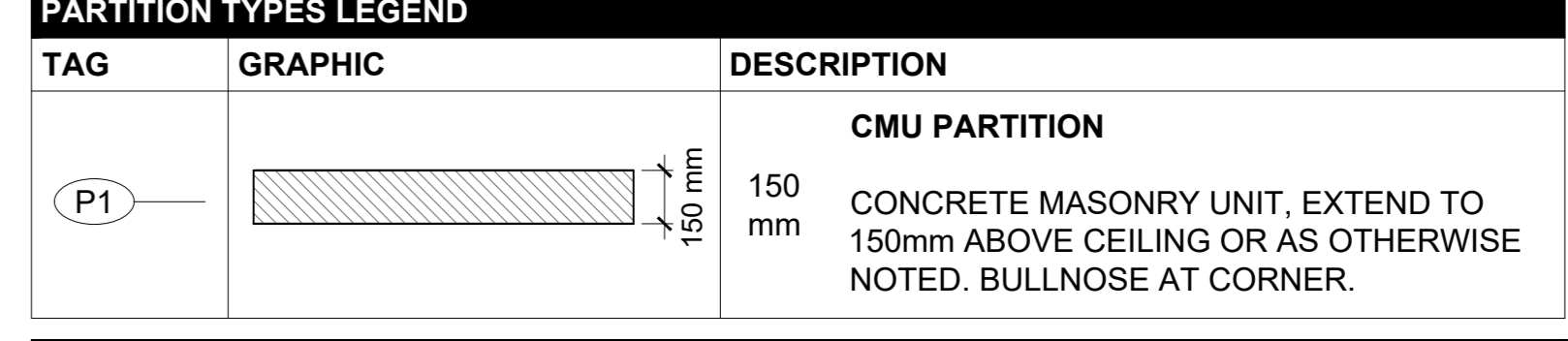
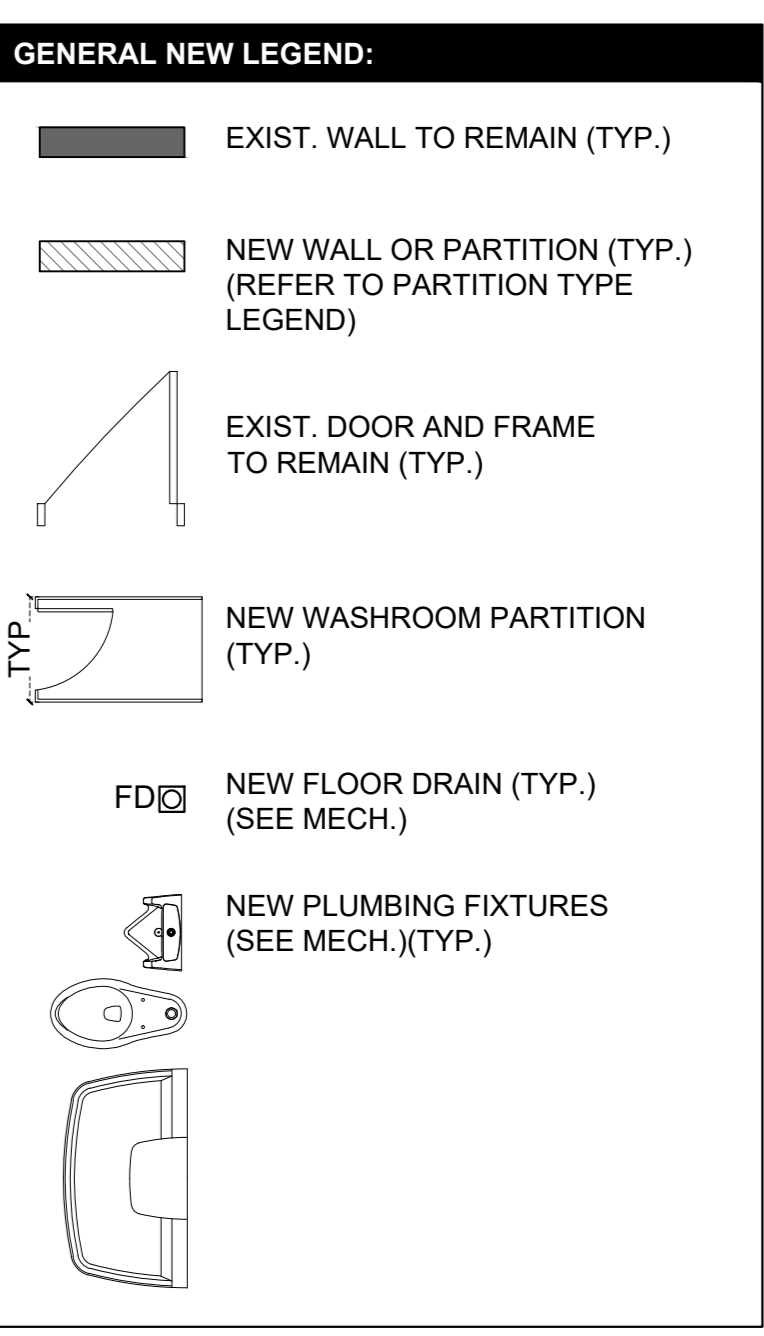
- FLOOR FINISH DEMOLITION NOTES:**
1. ALL DIMENSIONS SHOWN ARE APPROXIMATE. DIMENSIONS MUST BE SITE VERIFIED BY CONTRACTOR.
 2. THIS DRAWING TO BE READ IN CONJUNCTION W/ FLOOR FINISH NEW + ROOM FINISH SCHEDULE DRAWINGS. REPORT ANY DISAGREEMENTS OR CONFLICTS BETWEEN CONSULTANT'S DRAWINGS TO THE ARCHITECT.
 3. CONTRACTOR TO SUPPLY AND INSTALL TEMPORARY PLYWOOD SHEETING TO PROTECT NEW FLOORING BEING INSTALLED IN ALL AREAS WHERE PUBLIC ACCESS MUST BE MAINTAINED DURING CONSTRUCTION.
 4. GENERAL CONTRACTOR IS RESPONSIBLE FOR X-RAY STUDY OF EXIST. CONCRETE FLOOR SLAB BEFORE CUTTING TO ENSURE STRUCTURAL INTEGRITY OF THE / FLOOR SLAB AND NO EXIST. UNDERGROUND SERVICES TO BE AFFECTED.
 5. ALL FLOOR AREAS WHERE EXISTING FLOOR FINISH HAS BEEN REMOVED TO ACCOMMODATE NEW FINISHES TO BE PROPERLY PREPARED WITH LEVELING COMPOUND UP TO ±3" THICK, SMOOTH & CLEAN TO RECEIVE NEW FLOORING.
 6. REPAIR, PATCH, MAKE GOOD AT WALLS AND FLOOR JUNCTIONS AND PAINT FINISH TO ALL RELATED EXISTING AREAS TO ACCOMMODATE NEW MECHANICAL & ELECTRICAL MODIFICATIONS, FIXTURES AND NEW CONNECTIONS.



2 PARTIAL GROUND FLOOR PLAN- GENERAL- NEW
SCALE: 1:50

- WASHROOM ACCESSORIES LEGEND:**
- CH COAT HOOK
 - HD HAND DRYER (SEE ELEC.)
 - MR MIRROR (TILTED)
 - PTD PAPER TOWEL DISPENSER
 - SD SOAP DISPENSER
 - SN SANITARY NAPKIN DISPENSER
 - SND SANITARY NAPKIN DISPOSAL
 - TPD TOILET PAPER DISPENSER
- TYPICAL LEGEND:**
- TYP. TYPICAL
 - EXIST. EXISTING
 - NIC NOT IN CONTRACT
 - M.G.A.T. MAKE GOOD ON ALL TRADES AT JUNCTIONS
 - AFF ABOVE FINISHED FLOOR

- GENERAL NEW NOTES:**
1. ALL DIMENSIONS TO BE SITE MEASURED AND VERIFIED.
 2. ALL PARTITIONS AND CONC. BLK WALLS EXTEND TO UIS OF SLAB UNLESS NOTED OTHERWISE.
 3. SUPPLY & INSTALL METRIC DIMENSION CONCRETE BLOCKS. ANY LOCATIONS WHERE CONCRETE BLOCKS ARE TO INFILL AN OPENING OR EXTEND AN EXISTING WALL, CONCRETE BLOCK DIMENSIONS AND PATTERN TO MATCH EXISTING (IMPERIAL OR METRIC AS APPLICABLE).
 4. ALL CONCRETE BLOCK WALL EXPOSED CORNERS AND EDGES TO BE FINISHED WITH BULLNOSE UNIT. TYP.
 5. FIRE STOPPING SHALL BE PROVIDED ON TOP OF ALL WALLS FORMING FIRE SEPARATIONS AND AROUND ALL PIPE, CONDUIT AND DUCT PENETRATIONS AT FIRE SEPARATIONS.
 6. GC IS RESPONSIBLE TO DEMOLISH EXISTING CONCRETE BLOCK WALL AND PROVIDE SHORING TO ACCOMMODATE INSTALLATION OF NEW WASHROOM FIXTURES. INFILL OPENING WITH SIMILAR SIZE MASONRY UNIT. M.G.A.T., TYP.



- NEW PARTITION NOTES**
- ALL PARTITIONS EXTEND TO UNDERSIDE OF STRUCTURAL SLAB OR ROOF DECKING UNLESS OTHERWISE NOTED.
- ALL FIRE SEPARATIONS, EXTERIOR WALL FIRE RESISTANCE RATINGS AND FIREWALL RATINGS SHALL CONFORM TO SUPPLEMENTARY STANDARDS SB-2 TO THE LATEST OBC, WITH RESPECT TO EQUIVALENT THICKNESS AND TYPE OF CONCRETE.
- SUPPLY & INSTALL METRIC DIMENSION MASONRY UNIT. ANY LOCATIONS WHERE MASONRY UNITS ARE TO INFILL AN OPENING AT AN EXISTING WALL, MASONRY UNIT DIMENSIONS TO MATCH EXISTING (IMPERIAL OR METRIC AS APPLICABLE).
- ALL CORNERS TO EXTERIOR AND INTERIOR MASONRY WALL TO BE ROUNDED BULLNOSE, TYP
- GENERAL CONTRACTOR IS RESPONSIBLE TO SUPPLY AND INSTALL ALL REQUIRED UNISTRUT FRAMING, BLOCKING, AND REINFORCEMENT TO SUPPORT WALL HUNG TOILETS, LAVATORIES, GRAB BARS, CEILING HUNG TOILET PARTITIONS, WALL STOPS, NEW MOTORIZED GYM CURTAIN DIVIDER, NEW MOTORIZED GYM STAGE DRAPING CURTAIN, BASKET BALL HOOP, ETC. GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE LOCATIONS WITH SUB-CONTRACTORS.

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REVISIONS

EASTDALE ELEMENARY SCHOOL RENOVATION PROJECT
99 Lincoln Rd, Hamilton, ON L8E 1Z4

NCA ARCHITECTS
200 RICHMOND ST. W.
SUITE 200
TORONTO, ONT. M5V 2E4
TEL: 416 597 8822
WWW.NCA-ARCH.COM

MECHANICAL CONSULTANT
CKE

ELECTRICAL CONSULTANT
CKE

SHEET TITLE
PARTIAL GROUND FLOOR PLAN - GENERAL AND FLOOR FINISH DEMO- GENERAL NEW

SHEET NO: A101
SCALE: AS NOTED

DESIGNED BY: MM
CHECKED BY: RN
PROJECT NO: 2420777

PARTITION TYPES LEGEND		
TAG	GRAPHIC	DESCRIPTION
PS		150 mm GYPSUM BOARD PARTITION • 13 mm GYPSUM WALLBOARD • 92 mm STEEL STUDS AT 400 mm O.C. FILLED WITH ROCKWOOL SAFE'n'SOUND SOUNDPROOFING INSULATION [3"] • 13 mm GYPSUM WALLBOARD CAULK AND SOUND SEALANT AT JUNCTION. TYP. WALL HEIGHT TO UNDERSIDE OF EXISTING DRYWALL BULKHEAD. USE 3/8" STEEL RIVERTS ON BOTH SIDE OF THE STUDS. PAINT FINISH TO MATCH EXISTING FINISH. M.G.A.T., TYP.
PS		150 mm DRYWALL PARTITION • 13 mm GYPSUM WALLBOARD • 92 mm STEEL STUDS AT 400 mm O.C. FILLED WITH ROCKWOOL SAFE'n'SOUND SOUNDPROOFING INSULATION [3"] • 13 mm GYPSUM WALLBOARD WALL HEIGHT TO UNDERSIDE OF EXISTING STRUCTURE. WITH SOUND SEALANT AT JUNCTIONS. USE 3/8" STEEL RIVERTS ON BOTH SIDE OF THE STUDS. PAINT FINISH TO MATCH EXISTING FINISH. M.G.A.T., TYP.

NEW PARTITION NOTES

ALL PARTITIONS EXTEND TO UNDERSIDE OF STRUCTURAL SLAB OR ROOF DECKING UNLESS OTHERWISE NOTED.

ALL FIRE SEPARATIONS, EXTERIOR WALL FIRE RESISTANCE RATINGS AND FIREWALL RATINGS SHALL CONFORM TO SUPPLEMENTARY STANDARDS S9-2 TO THE LATEST OBC, WITH RESPECT TO EQUIVALENT THICKNESS AND TYPE OF CONCRETE.

SUPPLY & INSTALL METRIC DIMENSION MASONRY UNIT. ANY LOCATIONS WHERE MASONRY UNITS ARE TO INFILL AN OPENING AT AN EXISTING WALL, MASONRY UNIT DIMENSIONS TO MATCH EXISTING (IMPERIAL OR METRIC AS APPLICABLE).

ALL CORNERS TO EXTERIOR AND INTERIOR MASONRY WALL TO BE ROUNDED BULLNOSE, TYP

GENERAL CONTRACTOR IS RESPONSIBLE TO SUPPLY AND INSTALL ALL REQUIRED UNISTRUT FRAMING, BLOCKING, AND REINFORCEMENT TO SUPPORT WALL HUNG TOILETS, LAVATORIES, GRAB BARS, CEILING HUNG TOILET PARTITIONS, WALL STOPS, NEW MOTORIZE GYM CURTAIN DIVIDER, NEW MOTORIZE GYM STAGE DRAPING CURTAIN, BASKET BALL HOOP, ETC. GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE LOCATIONS WITH SUB-CONTRACTORS.

- GENERAL NEW NOTES:**
- ALL DIMENSIONS TO BE SITE MEASURED AND VERIFIED.
 - ALL PARTITIONS AND CONC. BLK WALLS EXTEND TO U/S OF SLAB UNLESS NOTED OTHERWISE.
 - SUPPLY & INSTALL METRIC DIMENSION CONCRETE BLOCKS. ANY LOCATIONS WHERE CONCRETE BLOCKS ARE TO INFILL AN OPENING OR EXTEND AN EXISTING WALL, CONCRETE BLOCK DIMENSIONS AND PATTERN TO MATCH EXISTING (IMPERIAL OR METRIC AS APPLICABLE).
 - ALL CONCRETE BLOCK WALL EXPOSED CORNERS AND EDGES TO BE FINISHED WITH BULLNOSE UNIT, TYP.
 - FIRE STOPPING SHALL BE PROVIDED ON TOP OF ALL WALLS FORMING FIRE SEPARATIONS AND AROUND ALL PIPE, CONDUIT AND DUCT PENETRATIONS AT FIRE SEPARATIONS.
 - GC IS RESPONSIBLE TO DEMOLISH EXISTING CONCRETE BLOCK WALL AND PROVIDE SHORING TO ACCOMMODATE INSTALLATION OF NEW WASHROOM FIXTURES. INFILL OPENING WITH SIMILAR SIZE MASONRY UNIT, M.G.A.T., TYP.

- TYPICAL LEGEND:**
- TYP. TYPICAL
 EXIST. EXISTING
 NIC NOT IN CONTRACT
 M.G.A.T. MAKE GOOD ON ALL TRADES AT JUNCTIONS
 AFF ABOVE FINISHED FLOOR

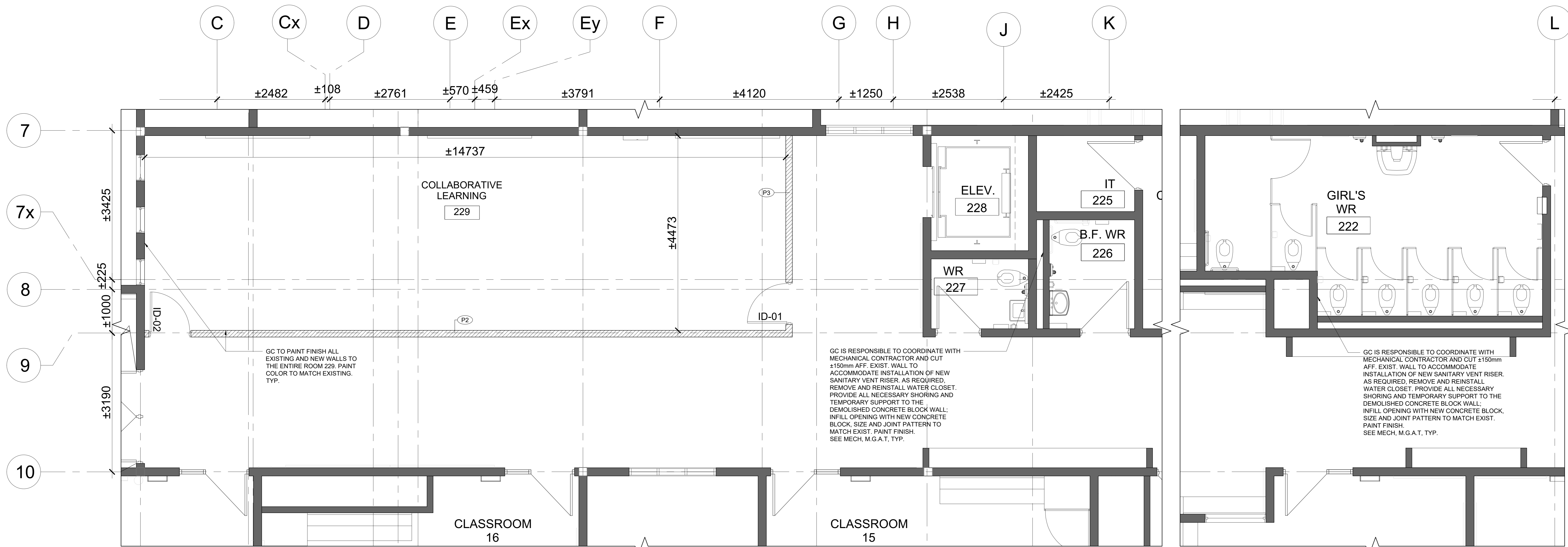
GENERAL NEW LEGEND:

- EXIST. WALL TO REMAIN (TYP.)
- NEW WALL OR PARTITION (TYP.) (REFER TO PARTITION TYPE LEGEND)
- EXIST. DOOR AND FRAME TO REMAIN (TYP.)
- NEW DOOR AND FRAME, 2(065mmx2150mm) WOOD DOOR WITH TEMPERED GLASS (TG) GLAZED SCREEN, AND NEW HOLLOW METAL FRAME. PAINT FINISH, STYLE FINISH TO MATCH EXISTING. NEW KICK PLATE (KP) TO BE INSTALLED ON THE PUSH SIDE OF THE NEW DOOR.

MARKING: Single Classroom x OHS

TAB	DESCRIPTION	TA2714 8" x 4-1/2"	US26D	McKinney
3	Hinge, Full Mortise	TA2714 8" x 4-1/2"	US26D	McKinney
1	Classroom Lock	LC 10X037 LL	US26D	SARGENT
1	Cylinder	PER OWNER REQUIREMENTS		Other
1	Surf Overhead Stop	55-X36	689	Rason
1	Kick Plate	K1050 8" x WIDTH 5A	US26D	Rockwood
3	Stapler	60B-RKW		Rockwood

TYPE A WOOD DOOR WITH GLAZING
TYPE 1 HOLLOW METAL FRAME



GC TO PAINT FINISH ALL EXISTING AND NEW WALLS TO THE ENTIRE ROOM 229. PAINT COLOR TO MATCH EXISTING. TYP.

GC IS RESPONSIBLE TO COORDINATE WITH MECHANICAL CONTRACTOR AND CUT ±150mm AFF. EXIST. WALL TO ACCOMMODATE INSTALLATION OF NEW SANITARY VENT RISER. AS REQUIRED, REMOVE AND REINSTALL WATER CLOSET. PROVIDE ALL NECESSARY SHORING AND TEMPORARY SUPPORT TO THE DEMOLISHED CONCRETE BLOCK WALL; INFILL OPENING WITH NEW CONCRETE BLOCK. SIZE AND JOINT PATTERN TO MATCH EXIST. PAINT FINISH. SEE MECH. M.G.A.T., TYP.

GC IS RESPONSIBLE TO COORDINATE WITH MECHANICAL CONTRACTOR AND CUT ±150mm AFF. EXIST. WALL TO ACCOMMODATE INSTALLATION OF NEW SANITARY VENT RISER. AS REQUIRED, REMOVE AND REINSTALL WATER CLOSET. PROVIDE ALL NECESSARY SHORING AND TEMPORARY SUPPORT TO THE DEMOLISHED CONCRETE BLOCK WALL; INFILL OPENING WITH NEW CONCRETE BLOCK. SIZE AND JOINT PATTERN TO MATCH EXIST. PAINT FINISH. SEE MECH. M.G.A.T., TYP.

1 PARTIAL SECOND FLOOR PLAN - GENERAL FLOOR PLAN-NEW
 SCALE: 1:50

NO.	DESCRIPTION	DATE
1	ISSUED FOR DESIGN DEVELOPMENT CLIENT REVIEW	18.03.2024
2	ISSUED FOR BUILDING PERMIT	26.04.2024
3	ISSUED FOR TENDER	08.05.2024

REVISIONS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

EASTDALE ELEMENTARY SCHOOL RENOVATION PROJECT
 99 Lincoln Rd, Hamilton, ON L8E 1Z4

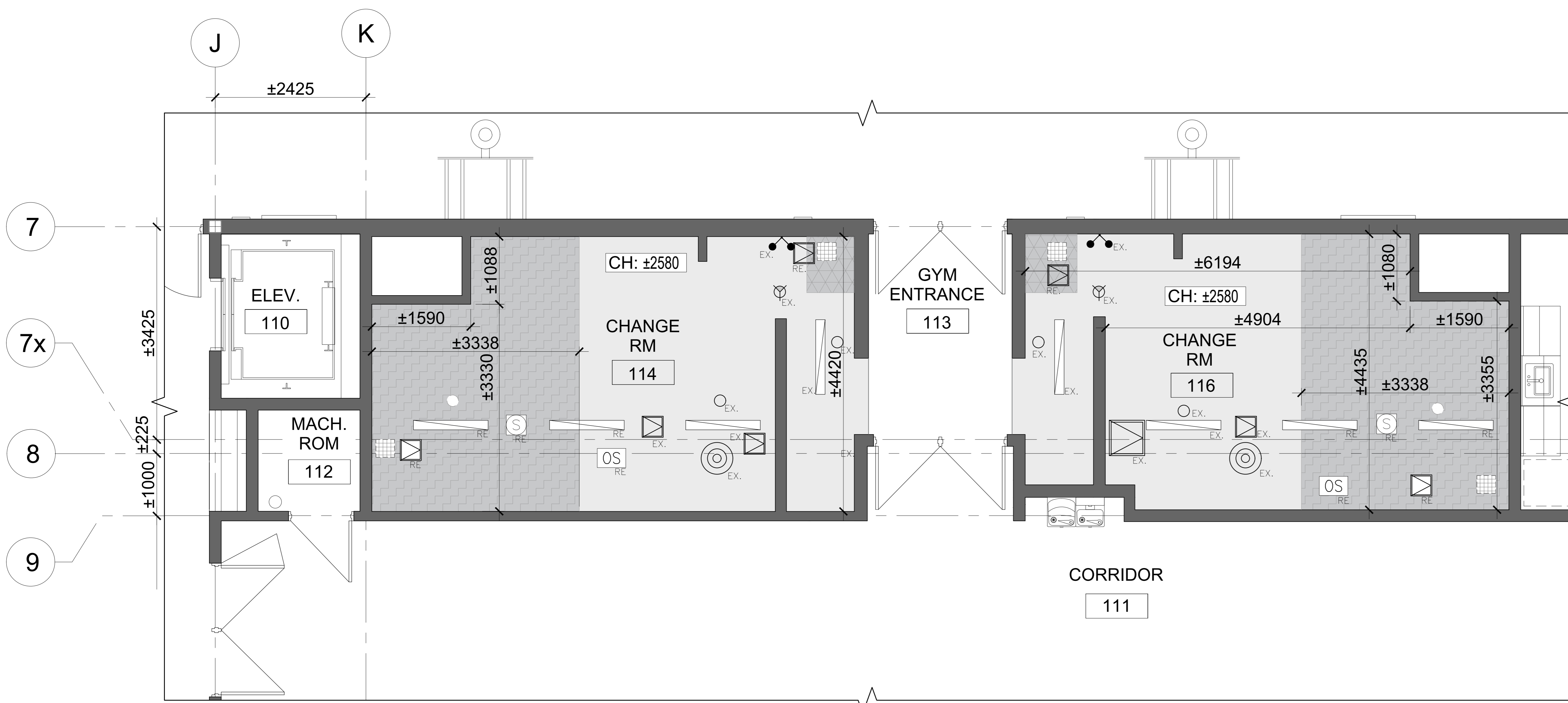
NCA ARCHITECTS
 200 RICHMOND ST. W. TORONTO, ONT. M5V 2E4
 TEL: 416 597 8877
 WWW.NCA-ARCH.COM

MECHANICAL CONSULTANT
 CKE

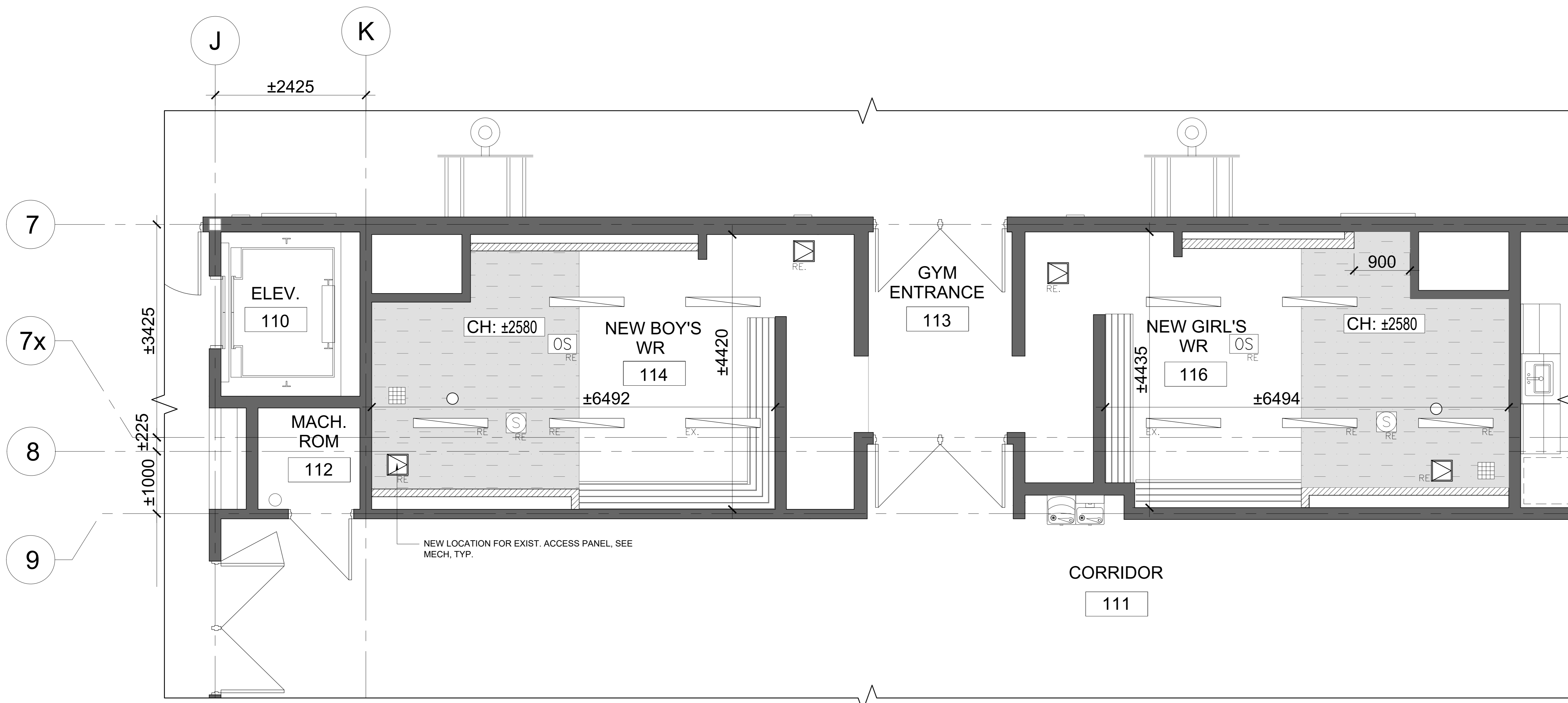
ELECTRICAL CONSULTANT
 CKE

SHEET TITLE
 PARTIAL SECOND FLOOR PLAN-GENERAL FLOOR PLAN-NEW

SHEET NO. A102
PROJECT NO. 2420777
SCALE AS NOTED



1 PARTIAL GROUND FLOOR PLAN - REFLECTED CEILING PLAN- DEMO
SCALE: 1:50



2 PARTIAL GROUND FLOOR PLAN- REFLECTED CEILING PLAN- NEW
SCALE: 1:50

- CEILING DEMOLITION NOTES**
- THIS DRAWING IS TO BE COORDINATED WITH MECHANICAL & ELECTRICAL DRAWINGS. ANY DISCREPANCIES IN THE DRAWINGS TO BE REPORTED TO ARCHITECT/ENGINEER.
 - REFER TO REFLECTED CEILING PLAN TO MAKE NECESSARY CHANGES OR DEMOLITION TO MATCH NEW LAYOUT AND FRAMES.
 - REFER TO ELECTRICAL DRAWINGS FOR DEMOLITION OF EXISTING BUT NOT LIMITED TO DEVICES, LIGHT FIXTURES, RECEPTACLES, CONDUITS, SWITCHES, ETC.
 - REFER TO MECHANICAL DRAWINGS FOR DEMOLITION OF EXISTING BUT NOT LIMITED TO MECHANICAL EQUIPMENTS, CONTROLS, DUCTS, PIPING, PLUMBING FIXTURES, ETC.
 - WHERE EXISTING SUSPENDED ACOUSTIC CEILING TILES ARE DISTURBED TO PERFORM NECESSARY ALTERATIONS, THEY MUST BE RETURNED TO A CONDITION EQUIVALENT TO BEFORE THEY WERE DISTURBED. ACOUSTIC CEILING TILES DAMAGED DURING THE ALTERATIONS MUST BE REPLACED.
 - WHERE EXISTING DUCTWORK IS ALTERED, ALL NECESSARY CUTTING & PATCHING OF EXISTING BULKHEADS, WALLS & CEILINGS REQUIRED SHALL BE PERFORMED UNDER THIS CONTRACT, SO AS TO LEAVE THE ENTIRE WORK IN A FINISHED AND WORKMAN LIKE CONDITION.
 - REPAIR, PATCH, AND MAKE GOOD AT JUNCTIONS TO ALL RELATED EXISTING AREAS WHERE NEW STRUCTURAL FRAMES CONNECT.
 - REPAIR, PATCH, AND MAKE GOOD AT JUNCTIONS ALL RELATED EXISTING AREAS TO ACCOMMODATE NEW MECHANICAL AND ELECTRICAL MODIFICATIONS AND NEW CONNECTIONS.
 - CUT AND MAKE GOOD EXIST. CEILING WHERE TO RECEIVE NEW PARTITION, MODIFY AND PROVIDE ALL REQUIRED CEILING COMPONENTS TO INCLUDE BUT NOT LIMITED TO, HANGERS, EXPOSED MAIN TEE, EXPOSED CROSS TEE, WALL MOLDING LAY-IN PANELS AND HOLD DOWN CLIPS WHERE REQUIRED.
 - GENERAL CONTRACTOR IS RESPONSIBLE TO SUPPLY AND INSTALL ALL REQUIRED TEES, FRAMING SUPPORT, BRACING, MAIN TEES, CARRYING CHANNELS, ACCESSORIES AND ALL RELATED COMPONENTS, TYP.

REFLECTED CEILING PLAN DEMOLITION LEGEND

	EXISTING DRYWALL CEILING TO BE DEMOLISHED, ALL RELATED MECHANICAL AND ELECTRICAL SYSTEMS, DEVICES AND COMPONENTS TO BE REMOVED AND REINSTALLED UNLESS OTHERWISE NOTED. M.G.A.T., TYP.
	EXIST. RETURN GRILL TO BE REMOVED. CAP THE CONNECTED DUCT. GC TO FILL THE OPENINGS. CUT, PATCH, REPAIR THE EXIST DRYWALL CEILING TO RECEIVE NEW PAINT FINISH. SEE MECH., M.G.A.T., TYP.
	EXISTING DRYWALL CEILING AND ALL RELATED MECHANICAL AND ELECTRICAL SYSTEMS, DEVICES AND COMPONENTS TO REMAIN, INCLUDING BUT NOT LIMITED TO, LIGHT FIXTURES, SMOKE DETECTORS, DIFFUSERS, SPRINKLERS, ETC. UNLESS OTHERWISE NOTED. SEE MECHANICAL AND ELECTRICAL, M.G.A.T., TYP. GC TO CUT, PATCH AND REPAIR EXIST. DRYWALL CEILING IF ANY DAMAGE OCCURRED DURING DEMOLITION TO MATCH EXISTING AND TO RECEIVE NEW LIGHT FIXTURES. SEE ELEC, M.G.A.T., TYP.
	EXISTING WALL OR PARTITION TO REMAIN, TYP.
	EXIST. DOOR TO REMAIN, TYP.
	EXISTING
	MAKE GOOD ON ALL TRADES AT JUNCTION
	TYPICAL
	REMOVE EXIST. ACCESS PANEL AND REINSTALL, SEE MECH, TYP.
	EXIST. SPRINKLER HEAD TO REMAIN, SEE MECH, TYP.
	REMOVE EXIST. SPRINKLER HEAD AND REPLACE WITH NEW, SEE MECH, TYP.
	REMOVE EXIST. RETURN GRILLE AND REPLACE WITH NEW, SEE MECH, TYP.
	REMOVE EXIST. LIGHT FIXTURE AND REINSTALL, SEE ELEC, TYP.
	REMOVE AND REINSTALL EXISTING. SPEAKER AND OCCUPANCY SENSOR, SEE ELEC, TYP.

NOTE:
1. REPAIR, PATCH, MAKE GOOD AT CEILING, WALL AND FLOOR JUNCTIONS AND PAINT TO ALL RELATED EXISTING AREA AS TO ACCOMMODATE NEW MECHANICAL & ELECTRICAL MODIFICATIONS, FIXTURES AND NEW CONNECTIONS.

REFLECTED CEILING PLAN NEW LEGEND

	NEW WATER-RESISTANT GYPSUM BOARD CEILING, TYP. HANGER SPACING 1200mm O.C. MAX WIRE TIED OR CLIPPED TO 38mm METAL CARRYING CHANNELS @ 1200mm O.C. MAX USING METAL FURRING CHANNEL CLIPS TO ATTACH TO METAL FURRING CHANNELS SPACED AT 600mm O.C. MAX.
	HEIGHT TO UNDERSIDE OF CEILING FROM FINISH FLOOR
	NEW 200mmx200mm RECTANGULAR RETURN AIR GRILLE, SEE MECH., TYP.
	NEW RECESSED LED LIGHT FIXTURE, SEE ELEC, TYP.
	REINSTALL EXIST. LIGHT FIXTURE, SEE ELEC, TYP.
	NEW LOCATION FOR EXIST. SPEAKER AND OCCUPANCY SENSOR, SEE ELEC, TYP.
	NEW SPRINKLER HEAD, SEE MECH, TYP.
	NEW LOCATION FOR EXIST. ACCESS PANEL, SEE ELEC, TYP.

- REFLECTED CEILING PLAN NEW NOTES**
- ALL DIMENSIONS TO BE SITE MEASURED AND VERIFIED.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL, ELECTRICAL, REFLECTED CEILING PLAN DEMOLITION + ROOM FINISH SCHEDULE DRAWINGS. REPORT ANY DISAGREEMENTS OR CONFLICTS BETWEEN CONSULTANTS DRAWINGS TO THE ARCHITECT.
 - IN ALL AREAS OF WORK, SMOKE AND FIRE SEAL ALL CONNECTIONS AND WALL PENETRATIONS.
 - REPAIR, PATCH, AND MAKE GOOD AT JUNCTIONS ALL RELATED EXISTING AREAS TO ACCOMMODATE NEW MECHANICAL AND ELECTRICAL MODIFICATIONS AND NEW CONNECTIONS.

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99 Lincoln Rd, Hamilton, ON L8E 1Z4

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Tel: 905.887.8822
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PROJECT ARCHITECT
CKE

STRUCTURAL CONSULTANT
CKE

MECHANICAL CONSULTANT
CKE

ELECTRICAL CONSULTANT
CKE

SHEET TITLE
PARTIAL GROUND FLOOR PLAN - REFLECTED CEILING PLAN- DEMO & NEW

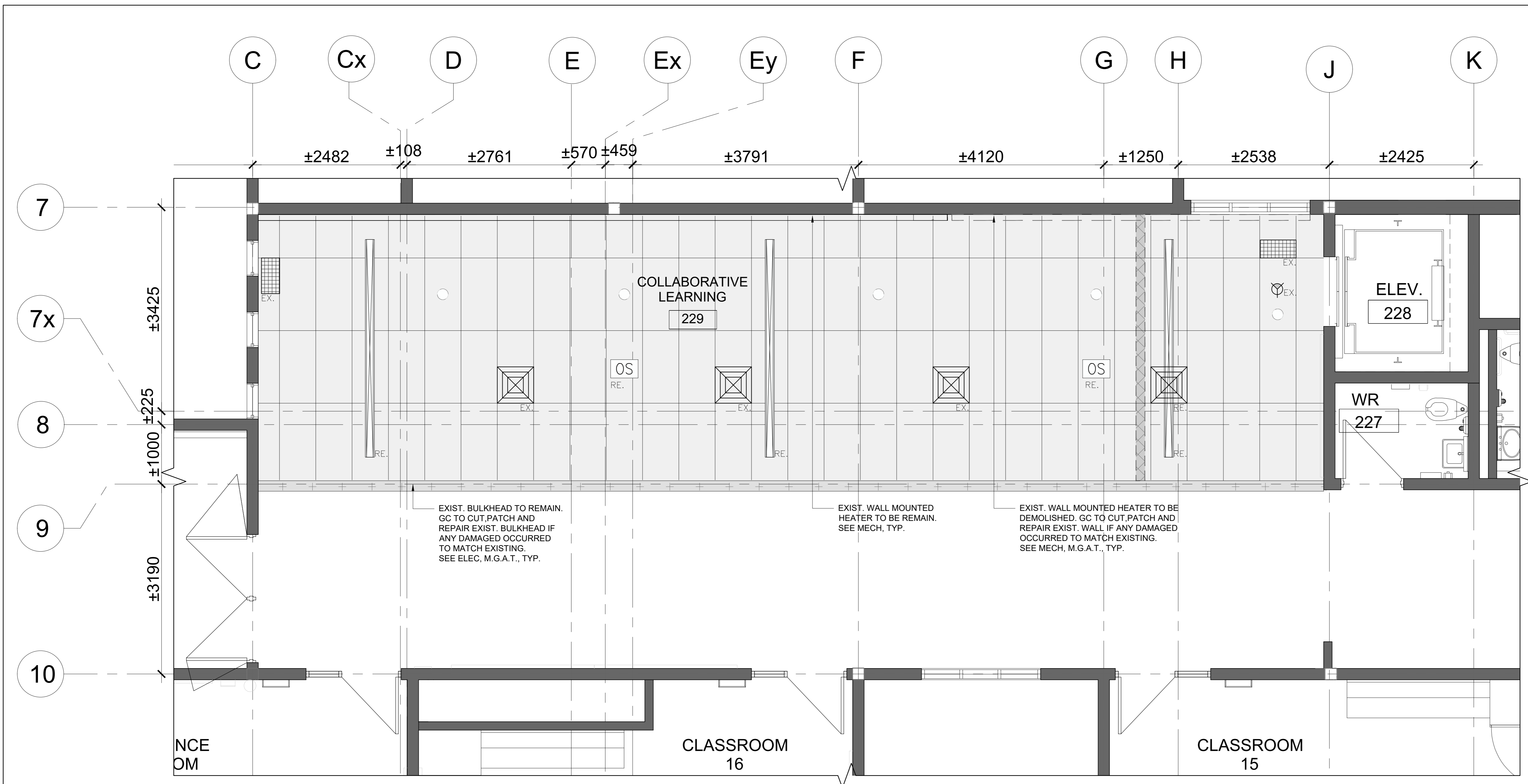
SHEET NO.
A103

DESIGNED BY
MM

CHECKED BY
RN

PROJECT NO.
2420777

SCALE
AS NOTED

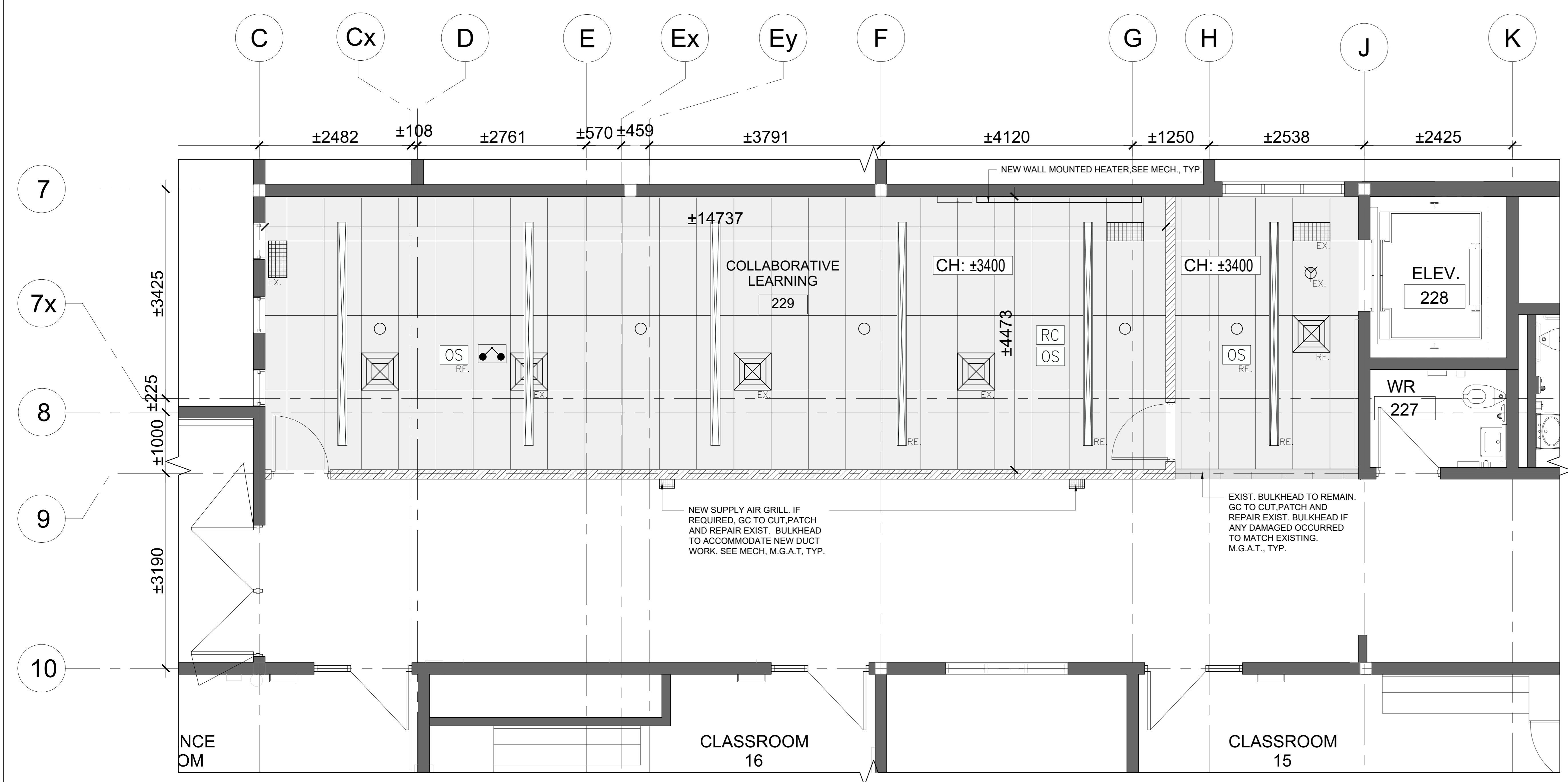


- CEILING DEMOLITION NOTES**
- THIS DRAWING IS TO BE COORDINATED WITH MECHANICAL & ELECTRICAL DRAWINGS. ANY DISCREPANCIES IN THE DRAWINGS TO BE REPORTED TO ARCHITECT/ENGINEER.
 - REFER TO REFLECTED CEILING PLAN TO MAKE NECESSARY CHANGES OR DEMOLITION TO MATCH NEW LAYOUT AND FRAMES.
 - REFER TO ELECTRICAL DRAWINGS FOR DEMOLITION OF EXISTING BUT NOT LIMITED TO DEVICES, LIGHT FIXTURES, RECEPTACLES, CONDUITS, SWITCHES, ETC.
 - REFER TO MECHANICAL DRAWINGS FOR DEMOLITION OF EXISTING BUT NOT LIMITED TO MECHANICAL EQUIPMENTS, CONTROLS, DUCTS, PIPING, PLUMBING FIXTURES, ETC.
 - WHERE EXISTING SUSPENDED ACOUSTIC CEILING TILES ARE DISTURBED TO PERFORM NECESSARY ALTERATIONS, THEY MUST BE RETURNED TO A CONDITION EQUIVALENT TO BEFORE THEY WERE DISTURBED. ACOUSTIC CEILING TILES DAMAGED DURING THE ALTERATIONS MUST BE REPLACED.
 - WHERE EXISTING DUCTWORK IS ALTERED, ALL NECESSARY CUTTING & PATCHING OF EXISTING BULKHEADS, WALLS & CEILINGS REQUIRED SHALL BE PERFORMED UNDER THIS CONTRACT, SO AS TO LEAVE THE ENTIRE WORK IN A FINISHED AND WORKMAN LIKE CONDITION.
 - REPAIR, PATCH, AND MAKE GOOD AT JUNCTIONS TO ALL RELATED EXISTING AREAS WHERE NEW STRUCTURAL FRAMES CONNECT.
 - REPAIR, PATCH, AND MAKE GOOD AT JUNCTIONS ALL RELATED EXISTING AREAS TO ACCOMMODATE NEW MECHANICAL AND ELECTRICAL MODIFICATIONS AND NEW CONNECTIONS.
 - CUT AND MAKE GOOD EXIST. CEILING WHERE TO RECEIVE NEW PARTITION. MODIFY AND PROVIDE ALL REQUIRED CEILING COMPONENTS TO INCLUDE BUT NOT LIMITED TO, HANGERS, EXPOSED MAIN TEE, EXPOSED CROSS TEE, WALL MOLDING LAY-IN PANELS AND HOLD DOWN CLIPS WHERE REQUIRED.
 - GENERAL CONTRACTOR IS RESPONSIBLE TO SUPPLY AND INSTALL ALL REQUIRED TEES, FRAMING SUPPORT, BRACING, MAIN TEES, CARRYING CHANNELS, ACCESSORIES AND ALL RELATED COMPONENTS, TYP.

REFLECTED CEILING PLAN DEMOLITION LEGEND

	EXIST. ACOUSTIC CEILING AND ALL RELATED MECHANICAL AND ELECTRICAL SYSTEMS, DEVICES AND COMPONENTS TO REMAIN UNLESS OTHERWISE NOTED. REPLACE DAMAGED ACP PANELS WITH NEW. SEE MECHANICAL AND ELECTRICAL, M.G.A.T., TYP.
	EXISTING T-BAR CEILING TO BE DEMOLISHED. GC TO CUT, PATCH AND MAKE GOOD EXIST. T-BAR CEILING AND PROVIDE ALL REQUIRED CEILING COMPONENTS TO RECEIVE NEW DRYWALL PARTITION, M.G.A.T., TYP.
	EXIST. BULKHEAD TO REMAIN. GC TO CUT, PATCH AND REPAIR EXIST. BULKHEAD TO RECEIVE NEW DRYWALL PARTITION PAINT FINISH TO MATCH EXISTING, M.G.A.T., TYP.
	EXISTING WALL OR PARTITION TO REMAIN, TYP.
	EXIST. DOOR TO REMAIN, TYP.
EX.	EXISTING
M.G.A.T	MAKE GOOD ON ALL TRADES AT JUNCTION
TYP.	TYPICAL
	REMOVE EXIST. SPRINKLE HEAD AND REPLACE WITH NEW, SEE MECH, TYP.
	EXIST. SPRINKLE HEAD TO REMAIN, SEE MECH, TYP.
	REMOVE EXIST. SUSPENDED LIGHT FIXTURE AND REINSTALL, SEE ELEC, TYP.
	REMOVE AND REINSTALL EXISTING. SPEAKER AND OCCUPANCY SENSOR, SEE ELEC, TYP.

NOTE:
1. REPAIR, PATCH, MAKE GOOD AT CEILING, WALL AND FLOOR JUNCTIONS AND PAINT TO ALL RELATED EXISTING AREA AS TO ACCOMMODATE NEW MECHANICAL & ELECTRICAL MODIFICATIONS, FIXTURES AND NEW CONNECTIONS.



REFLECTED CEILING PLAN NEW LEGEND

	EXIST. ACOUSTIC CEILING AND ALL RELATED MECHANICAL AND ELECTRICAL SYSTEMS, DEVICES AND COMPONENTS TO REMAIN UNLESS OTHERWISE NOTED. AS REQUIRED, REPLACE DAMAGED ACP PANELS WITH NEW. SEE MECHANICAL AND ELECTRICAL, M.G.A.T., TYP.
	EXIST. BULKHEAD TO REMAIN. GC TO CUT, PATCH AND REPAIR EXIST. BULKHEAD IF ANY DAMAGED OCCURRED TO MATCH EXISTING FINISH, M.G.A.T., TYP.
CH: xxxx	HEIGHT TO UNDERSIDE OF CEILING FROM FINISH FLOOR
	EXISTING SUPPLY AIR GRILLE AND RECTANGULAR RETURN AIR GRILLE TO REMAIN, SEE MECH., TYP.
	NEW LOCATION FOR EXISTING SUPPLY AIR GRILLE, SEE MECH., TYP.
	NEW SUPPLY AIR GRILLE AND RECTANGULAR RETURN AIR GRILLE, SEE MECH., TYP.
	EXIST. SMOKE DETECTOR TO REMAIN, SEE ELEC, TYP.
	NEW CEILING MOUNTED EMERGENCY LIGHT, SEE ELEC, TYP.
	NEW LOCATION FOR EXIST. SUSPENDED LIGHT FIXTURE, SEE ELEC, TYP.
	NEW SUSPENDED LIGHT FIXTURE, SEE ELEC, TYP.
	NEW LOCATION FOR EXIST. OCCUPANCY SENSOR, SEE ELEC, TYP.
	NEW OCCUPANCY SENSOR AND ROOM CONTROLLER, SEE ELEC, TYP.
	NEW SPRINKLE HEAD, SEE MECH, TYP.

- REFLECTED CEILING PLAN NEW NOTES**
- ALL DIMENSIONS TO BE SITE MEASURED AND VERIFIED.
 - THIS DRAWING TO BE READ IN CONJUNCTION W/ STRUCTURAL, MECHANICAL, ELECTRICAL, REFLECTED CEILING PLAN DEMOLITION DRAWINGS. REPORT ANY DISAGREEMENTS OR CONFLICTS BETWEEN CONSULTANTS DRAWINGS TO THE ARCHITECT.
 - CUT AND MAKE GOOD EXISTING CEILING TO RECEIVE NEW PARTITION. MODIFY AND PROVIDE ALL REQUIRED CEILING SYSTEM COMPONENTS INCLUDE BUT NOT LIMITED TO HANGERS, EXPOSED MAIN TEE, EXPOSED CROSS TEE, WALL MOLDING LAY IN PANELS AND HOLD DOWN CLIPS WHERE REQUIRED.
 - ALL ACOUSTIC TILE CEILINGS WILL BE AN ADDITIONAL FINISH LAYER TO THE RATED FLOOR ASSEMBLY AND ROOF ASSEMBLIES EXCEPT AS SHOWN OTHERWISE.
 - IN ALL AREAS OF WORK, SMOKE AND FIRE SEAL ALL CONNECTIONS AND WALL PENETRATIONS.

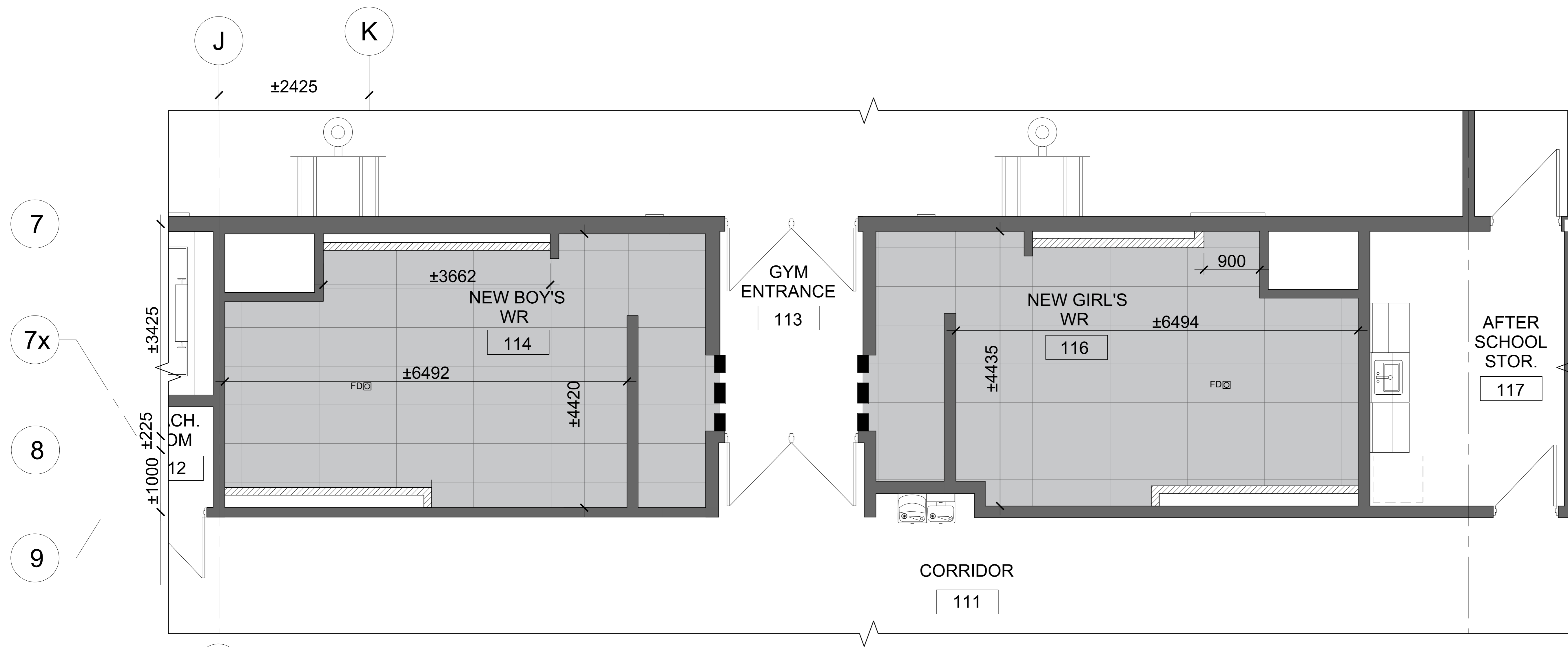
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HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD
EASTDALE ELEMENTARY SCHOOL RENOVATION PROJECT
99 Lincoln Rd, Hamilton, ON L8E 1Z4

NCA ARCHITECTS
PROJECT ARCHITECT
STRUCTURAL CONSULTANT
MECHANICAL CONSULTANT
ELECTRICAL CONSULTANT

SHEET TITLE
PARTIAL SECOND FLOOR PLAN - REFLECTED CEILING PLAN- DEMO & NEW

SHEET NO. A104
DATE MM: 04/24
PROJECT NO. 2420777
SCALE AS NOTED

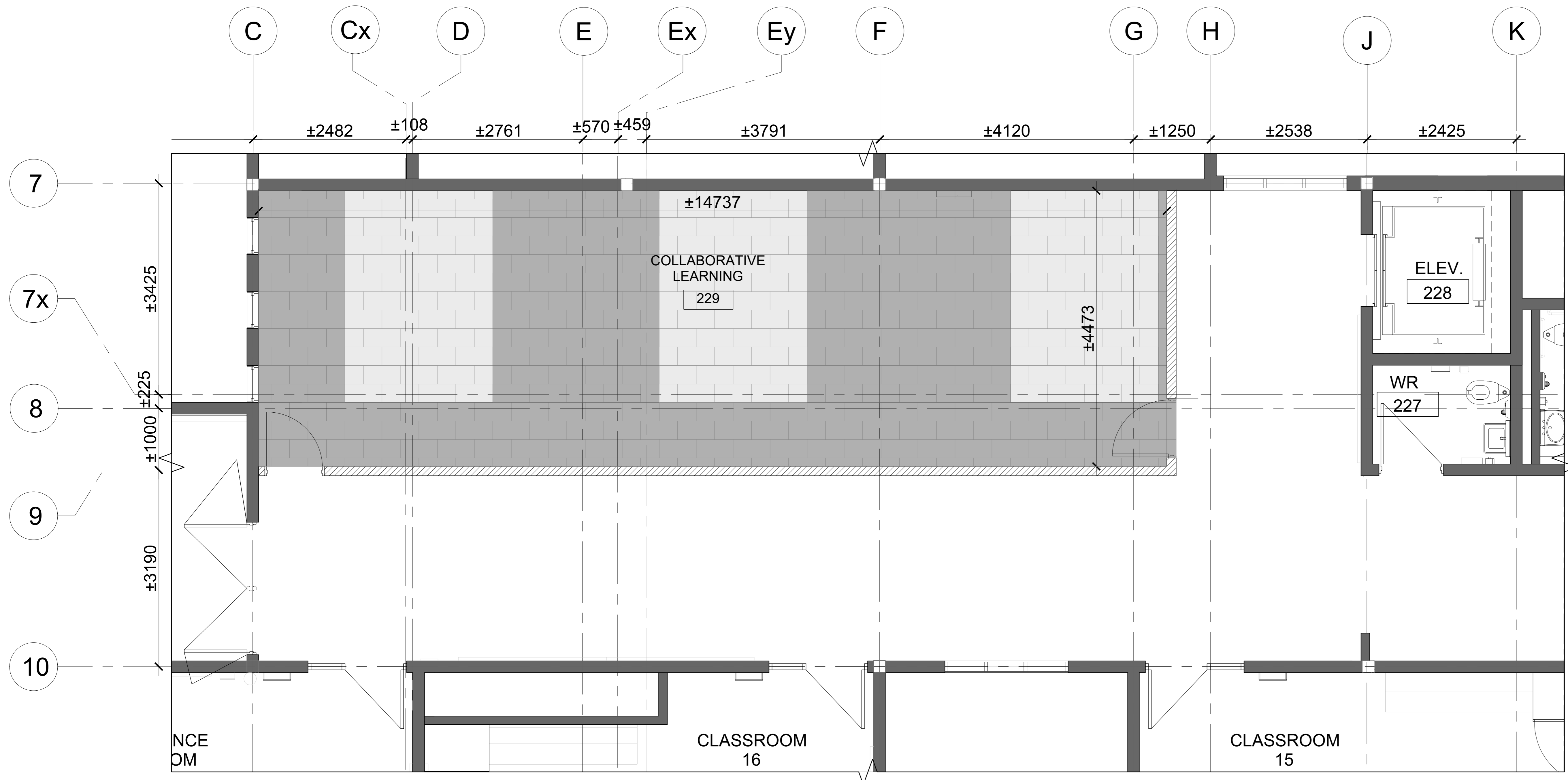


1 PARTIAL GROUND FLOOR PLAN- FLOOR FINISH- NEW
SCALE: 1:50

FLOOR FINISH NEW LEGEND:

- EXIST. WALL TO REMAIN (TYP.)
- NEW WALL OR PARTITION (TYP.) (REFER TO PARTITION TYPE LEGEND)
- NEW SLIP RESISTANT 600mmX1200mm PORCELAIN TILE. COLOR TO BE CONFIRMED WITH CLIENT/ARCHITECT (TYP.)
- EXIST. FLOOR FINISH AND WALL BASE TO REMAIN (M.G.A.T.) (TYP.)
- NEW FLOOR DRAIN (TYP.) (SEE MECH.)
- NEW FLOOR TRANSITION STRIP TYP. (REFER TO DETAIL 2/A102)
- TYP. TYPICAL
- EXIST/ EX EXISTING
- NIC NOT IN CONTRACT
- M.G.A.T. MAKE GOOD ON ALL TRADES AT JUNCTIONS
- AFF ABOVE FINISHED FLOOR

- FLOOR FINISH NEW NOTES:**
- ALL DIMENSIONS TO BE SITE MEASURED AND VERIFIED.
 - THIS DRAWING TO BE READ IN CONJUNCTION W/ FLOOR FINISH DEMOLITION + ROOM FINISH SCHEDULE DRAWINGS. REPORT ANY DISAGREEMENTS OR CONFLICTS BETWEEN CONSULTANT'S DRAWINGS TO THE ARCHITECT.
 - GC IS TO SUPPLY AND INSTALL NEW PORCELAIN WALL BASE WITH METAL TRIM CAP AT ALL PARTITIONS TO MATCH EXISTING. COLOR (BLACK) TO MATCH EXISTING. (TYP.)



2 PARTIAL SECOND FLOOR PLAN- FLOOR FINISH- NEW
SCALE: 1:50

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REVISIONS

**EASTDALE
ELEMENTARY SCHOOL
RENOVATION PROJECT**
99 Lincoln Rd, Hamilton, ON
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NCA ARCHITECTS
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TORONTO, ONTARIO
M5V 1C5
TEL: 416 597 8877
WWW.NCA-ON.COM

PROJECT MANAGER: **TRACY BROWN**

ISSUED FOR CONSTRUCTION

STRUCTURAL CONSULTANT: **MM**

MECHANICAL CONSULTANT: **CKE**

ELECTRICAL CONSULTANT: **CKE**

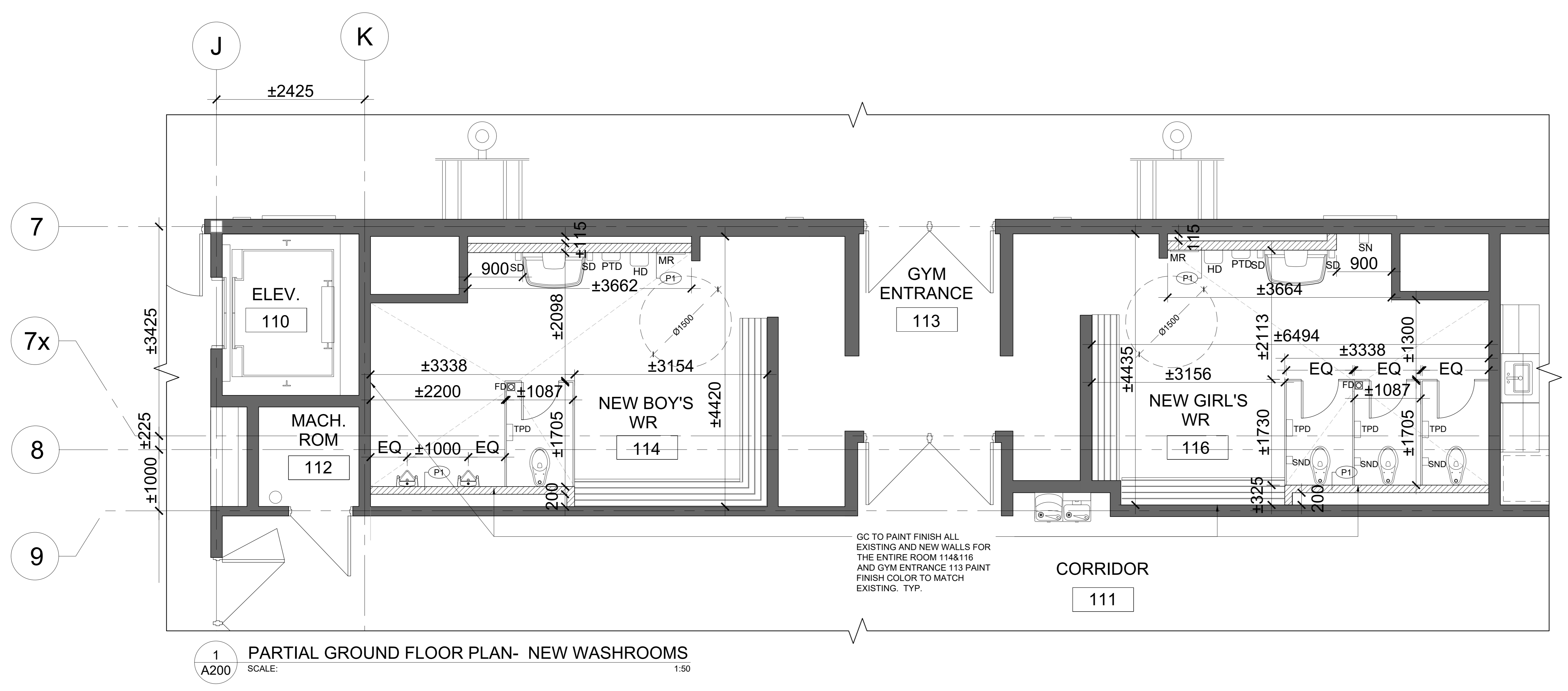
SHEET TITLE
PARTIAL GROUND AND SECOND FLOOR PLAN- FLOOR FINISH- NEW

SHEET NO.	DESIGNED BY	CHECKED BY
A105	MM	RN

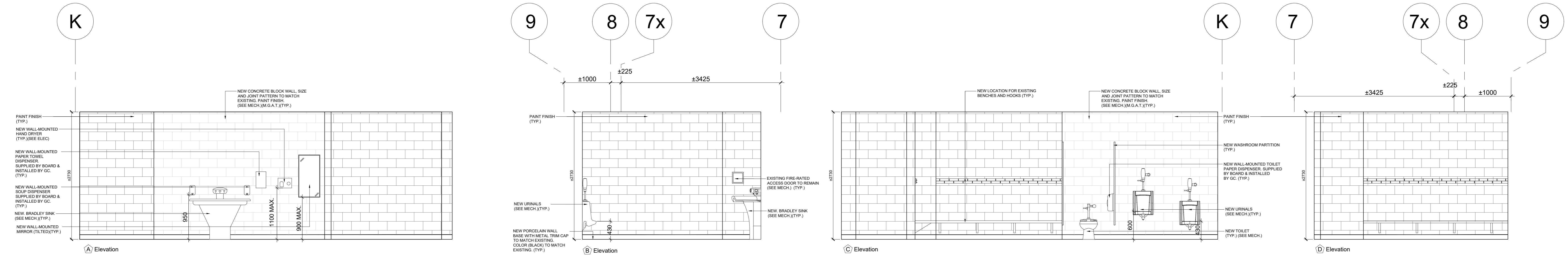
PROJECT NO. 2420777
SCALE: AS NOTED

WASHROOM ACCESSORIES LEGEND:	
CH	COAT HOOK
HD	HAND DRYER (SEE ELEC.)
MR	MIRROR (TILTED)
PTD	PAPER TOWEL DISPENSER
SD	SOAP DISPENSER
SN	SANITARY NAPKIN DISPENSER
SND	SANITARY NAPKIN DISPOSAL
TPD	TOILET PAPER DISPENSER

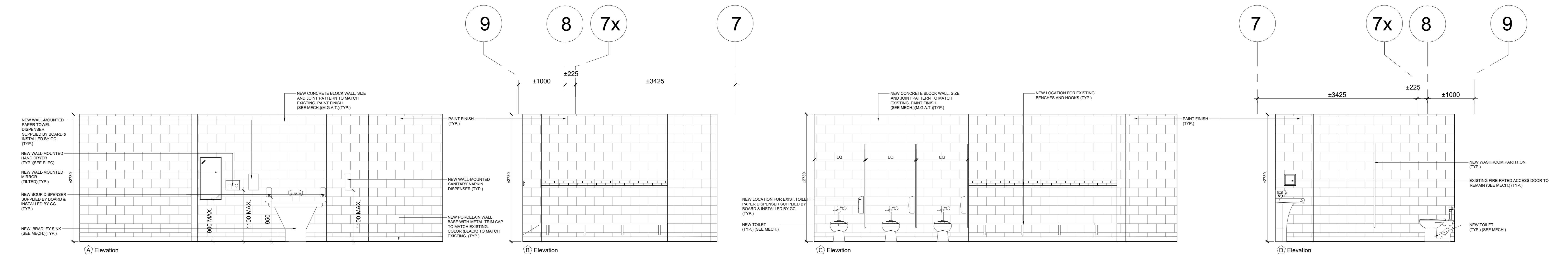
TYPICAL LEGEND:	
TYP.	TYPICAL
EXIST.	EXISTING
NIC	NOT IN CONTRACT
M.G.A.T.	MAKE GOOD ON ALL TRADES AT JUNCTIONS
AFF	ABOVE FINISHED FLOOR



1 PARTIAL GROUND FLOOR PLAN- NEW WASHROOMS
SCALE: 1:50



2 NEW BOYS WASHROOM 114- INTERIOR ELEVATION
SCALE: 1:50



3 NEW GIRLS WASHROOM 116- INTERIOR ELEVATION
SCALE: 1:50

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PROJECT ARCHITECT
MECHANICAL CONSULTANT
ELECTRICAL CONSULTANT

SHEET TITLE		
INTERIOR ELEVATIONS		
SHEET NO. A200	DESIGNED BY MM	CHECKED BY RN
PROJECT NO. 2420777		SCALE AS NOTED

MECHANICAL LEGEND			
SITE PLAN	EXISTING BUILDING	HVAC	ANNOTATION LEGEND
<p> NEW BUILDING SITE BOUNDARY STORM PIPING WATERMAIN FIRE WATERMAIN SANITARY SEWER (ABOVE GROUND) SANITARY SEWER (BURIED) GAS LINE WATER METER CATCH BASIN MANHOLE GAS METER </p>	<p> BD DUCTWORK R.A. BALANCING DAMPER S.A. RETURN AIR DUCT FD SUPPLY AIR DUCT FD THERMOSTAT FD FIRE DAMPER SD TEMPERATURE SENSOR CO2 CO2 SENSOR CO2 SUPPLY DUCT UP CO2 RETURN OR EXHAUST UP CO2 SUPPLY TURNING DOWN CO2 RETURN OR EXHAUST DOWN FD FLEXIBLE DUCT ET HVAC EQUIPMENT TAG ET DIFFUSER A RETURN AIR GRILLE A A=DIFFUSER TYPE A 200-AIRFLOW IN CFM A 300-SIZE (mm) VAV VAV-BOX SIZE VAV 200-MIN.AIRFLOW IN CFM VAV 300-MAX.AIRFLOW IN CFM RAD RADIATOR TYPE RAD LENGTH IN FT/IN MBH MBH-HEAT CAPACITY BS BOOSTER SWITCH KS-1 DUCT WITH ACOUSTICAL LINING </p>	<p> CTE CONNECT TO EXISTING FFD FUNNEL FLOOR DRAIN T/B TO BELOW T/A TO ABOVE F/B FROM BELOW F/A FROM ABOVE U/C UNDERCUT DOOR CBV CIRCUIT BALANCING VALVE ACCESS PANEL A.P. ACCESS PANEL VTR VENT THRU ROOF BDD BACK DRAFT DAMPER ABD AUTOMATIC BALANCING DAMPER FC FLEX CONNECTOR </p>	

MECHANICAL DRAWING LIST	
M0.01	MECHANICAL SPECIFICATIONS I
M0.02	MECHANICAL SPECIFICATIONS II
M0.03	MECHANICAL LEGEND AND SCHEDULE
M0.04	MECHANICAL DETAILS
P1.01	PARTIAL GROUND FLOOR PLUMBING LAYOUT
M1.01	PARTIAL GROUND FLOOR H.V.A.C. LAYOUT
M1.02	PARTIAL SECOND FLOOR H.V.A.C. LAYOUT
M5.01	PARTIAL GROUND FLOOR SPRINKLER LAYOUT
M5.02	PARTIAL SECOND FLOOR SPRINKLER LAYOUT

DIFFUSER & GRILLE SCHEDULE									
TAG	MANUFACTURER	MODEL NO.	TYPE	SIZE (IN X IN)	NECK SIZE (IN)	FINISH	MOUNTING	DAMPER	REMARKS
SA1	PRICE	SCD	SUPPLY	24"x24"	-	B12	T-BAR/ DRYWALL		NOTE 1
SA2	PRICE	520	SUPPLY	AS NOTED	-	B12	T-BAR/ DRYWALL		NOTE 1, 2
RA1	PRICE	535	RETURN	AS NOTED	-	B12	T-BAR/ DRYWALL	YES	NOTE 1
RA2	PRICE	80	EXHAUST	AS NOTED	-	B12	T-BAR/ DRYWALL		NOTE 1

NOTES:
1. ACCEPTABLE EQUIVALENT: KRUEGER, NAILOR, METALAIR.
2. DOUBLE DEFLECTION

HYDRONIC WALL FIN HEATER SCHEDULE													
TAG	MANUFACTURER	MODEL NO.	PRODUCT CODE	WORKING FLUID	HEIGHT (INCH)	DEPTH (INCH)	HEATING ELEMENT LENGTH (INCH)	ENCLOSURE LENGTH (FT)	NO. OF ROWS	HEATING (BTU/HR/FT)	FLOW (USGPM)	PRESSURE DROP (FT)	REMARKS
H-1	RUNTAL	TYPE R-5	TYPE C - LEFT PIPING	WATER	14.4	3	-	6'-0"	-	600	0.3	-	SEE NOTES BELOW

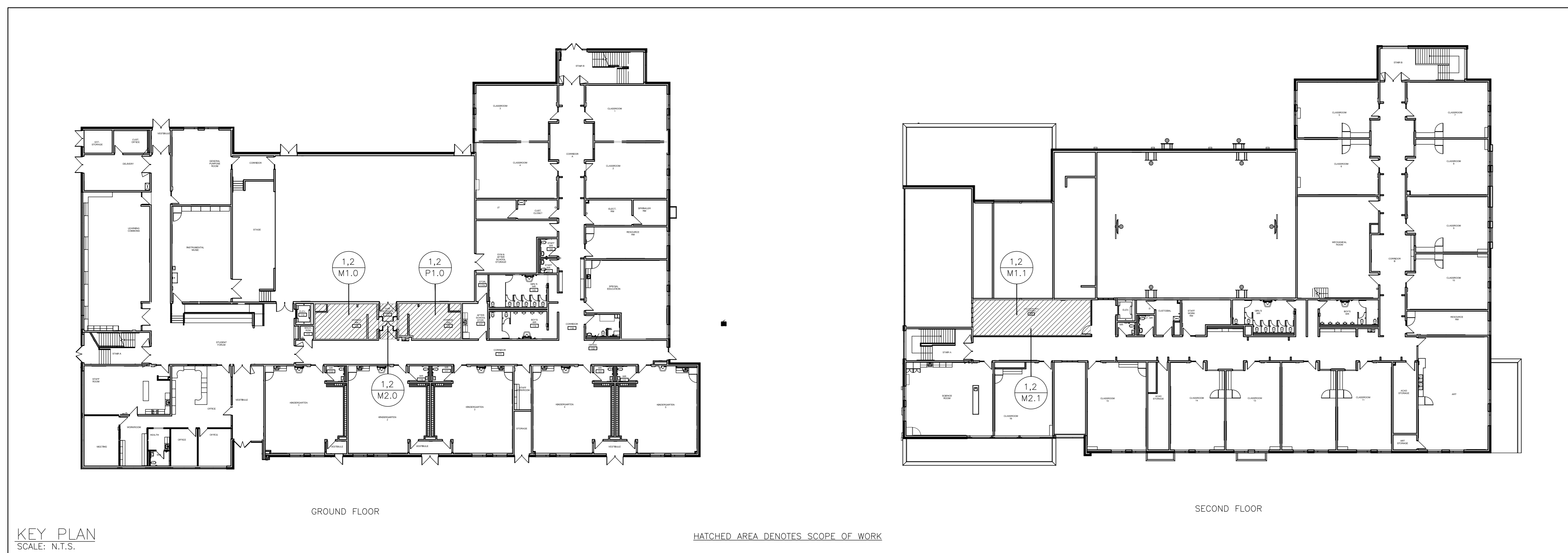
NOTES:
1. C/W 16 GAUGE STRAIGHT ENCLOSURE IN DARK GREY, END TRIMS, K-12 WALL BRACKETS. HEATER SHALL HAVE SAME APPEARANCE AS EXISTING. REFER TO M0.04.
2. CONTRACTOR SHALL ENSURE TO INCLUDE ALL REQUIRED ACCESSORIES AND FITTING FOR A FULLY FUNCTIONAL SYSTEM.
3. ASSUMED HOT WATER SUPPLY/ RETURN TEMPERATURE: 180F/150F. CONTRACTOR TO SITE VERIFY EXISTING HYDRONIC SYSTEM TEMPERATURES.
4. CONTRACTOR TO COORDINATE, INLET & OUTLET ORIENTATION ON SITE WITH EXISTING SYSTEM.
5. COORDINATE UNIT DIMENSIONS WITH EXISTING SPACE PRIOR TO SHOP DRAWING SUBMISSION.

PLUMBING FIXTURE SCHEDULE								
TYPE	SPECIFICATION	ACCESSORIES	POWER	CW	HW	WASTE	VENT	REMARKS
WC-1	WATER CLOSET AMERICAN STANDARD MADERA FLOWISE 15" RIM HEIGHT ELONGATED FLUSHMETER TOILET, TOP SPUD MODEL No. 3451001, FLOOR MOUNTED VITREOUS CHINA BOLT CAPS WITH RETAINERS. FLUSH LEVER ON OPPOSITE SIDE OF GRAB BAR (CONTRACTOR TO VERIFY).	DELTA MODEL 811201 EXPOSED FLUSH VALVE WITH MANUAL HANDLE FOR 1-1/2" WATER CLOSET FIXTURE, 1" INLET, VACUUM BREAKER	-	25MM (1")	-	75MM (3")	50MM (2")	TOILET SEAT SHALL BE OPEN ELONGATED FRONT TYPE.
WF-1	BRADLEY WASHFOUNTAIN MODEL No. TERREON TRIFOUNTAIN MF2933, 3-PERSON, JUVENILE HEIGHT (30"), INFRARED HARDWIRED SENSOR C/W SOLENOID AND 120VAC/12VDC LOW VOLTAGE PLUG-IN ADAPTER, NAVIGATOR THERMOSTATIC MIXING ASSEMBLY, WHITE SAND COLOR	-	120VAC	19MM (3/4")	19MM (3/4")	50MM (2")	32MM (1-1/4")	
UR-1	URINAL AMERICAN STANDARD WASHBROOK FLOWISE BARRIER FREE UNIVERSAL TOP SPUD MODEL No. 6590.001 WITH LOW CONSUMPTION 1.0 GPF, FLUSHING RIM, ELONGATED RIM, EXTENDED SIDES, WALL HANGERS, STRAINER	PROVIDE NEW WATER MATRIX FLUSH CONTROLLER AND DISTRIBUTION PIPING. SEE DETAILS M0.04	-	19MM (3/4")	-	50MM (2")	38MM (1-1/2")	CO-ORDINATE MOUNTING HEIGHT WITH ARCH. DRAWING
TP	TRAP PRIMER P.P.P. INC. MODEL PR-500 AUTOMATIC TRAP SEAL PRIMER VALVE, CAST BRASS BODY SERVING INDIVIDUAL OR REMOTE AREA DRAINS WITH 1/2" CONNECTIONS WITH STRAINER AND INTEGRAL BACKFLOW PREVENTER AND VACUUM BREAKER.	EXACT LOCATION NOT SHOWN IN DRAWING. CONTRACTOR SHALL INSTALL IN A CONCEALED LOCATION WITH ACCESS PANEL.	-	13MM (1/2")	-	-	-	
FD	FLOOR DRAIN ZURN ZN-211-B-P, CAST IRON FLOOR DRAIN WITH 5" ROUND NICKEL BRONZE STRAINER, AND 1/2" TRAP PRIMER CONNECTION OR EQUAL.	-	-	-	-	75MM (3")	38MM (1-1/2")	
CO	CLEANOUT FOR ABOVE GROUND PIPING ZURN MODEL: C02413 FOR DWV PIPING.	-	-	-	-	-	-	
FCD	FLOOR CLEANOUT ZURN ZN-1602 CAST IRON CLEAN OUT WITH 5" NICKEL BRONZE COVER.	-	-	-	-	-	-	

NOTES:
1. CONTRACTOR IS RESPONSIBILITIES TO VERIFY ALL EQUIPMENTS AND ITEM QUANTITY.
2. COORDINATE WITH GENERAL CONTRACTOR BEFORE INSTALLATION.
3. CONTRACTOR TO CONFIRM ALL EQUIPMENT SPECS PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO VERIFY ALL OUTLET LOCATIONS.
5. PROVIDE ISOLATING VALVE ON HOT AND COLD WATER LINES TO EACH PIECE OF PLUMBING FIXTURE. ALL ANGLE STOPS TO BE DAHL 1/4 TURN MINI BALL VALVE. NO ALTERNATE WILL BE ACCEPTABLE. (TYPICAL UNLESS NOTED OTHERWISE)
6. WRAP ALL EXPOSED HOT WATER AND DRAIN PIPING AT HANDICAPPED LAVATORY WITH INSULATION. PROVIDE INSULATION AND COVERING FOR ALL BARRIER FREE KITCHEN SINK AND LAVATORY PIPING.
7. EACH PLUMBING FIXTURE SHALL BE LOW WATER CONSUMPTION IN ACCORDANCE TO ONTARIO BUILDING CODE.
8. PROVIDE ALL REQUIRED FITTINGS, TRAPS, VALVES, FAUCETS AND ESCUTCHEONS TO COMPLETE EACH FIXTURE INSTALLATION.
9. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BEFORE ORDERING ANY FIXTURE.

EXISTING PACKAGED ROOF TOP UNIT SCHEDULE																				
UNIT No.	AREA SERVED	MODEL AND NUMBER	EVAPORATOR FAN COIL SECTION						HEATING SECTION			ELECTRICAL		O/A	UNIT ARRANGEMENT	REMARKS				
			CFM	EX.P.	R.P.M.	BP (IP)	ICE CAP (TON)	TOTAL CLG (MBH)	SENSIBLE CLG (MBH)	QAS (IN/UT (MBH)	HEATING OUTPUT (MBH)	T.R. °F	V/PH/Hz.				MCA	MOC	WEIGHT (LB)	%
EX-HVAC-7	COLLAR LEARNING #229, CORRIDOR	CARRIER 48HCE05	1,000	1.2	-	-	3.0	36.0	-	-	115.0	-	575/3/60	10	15	1,200	-	275	BOTTOM SUPPLY & RETURN	

NOTES:
1. PROVIDE BAS CONTROLS:
1.1. OCCUPIED TEMP. SETPOINT AT 75F SUMMER, 70F WINTER. OPEN O/A DAMPER TO SET-POINT.
1.2. UNOCCUPIED TEMP. SETPOINT AT 80F SUMMER, 68F WINTER, O/A DAMPER IN CLOSED POSITION.
1.3. ECONOMIZER MODE:
1.3.1. ECONOMIZER ON WHEN O/A TEMP. LESS THAN RETURN AIR TEMPERATURE, MODULATE ECONOMIZER DAMPER TO REACH ZONE TEMP. SETPOINT.
1.3.2. ECONOMIZER OFF WHEN O/A TEMP. EXCEEDS RETURN AIR TEMPERATURE.
1.4. RTU COOLING MODE LOCK WHEN HEATING RADIATORS CONTROL VALVE IS IN OPEN POSITION TO PREVENT SIMULTANEOUS HEATING & COOLING.
1.5. BAS CONTROLS BY: CONVERGINET, PATRICK COUSINEAU, +1 519-754-7408 CELL, PATRICK.COUSINEAU@CONVERGINET.COM
2. ADJUST OUTDOOR AIR DAMPER TO SETPOINT POSITION.
3. RELOCATE CONCEALED TEMP. SENSOR AS INDICATED ON DRAWINGS.



ACCESS TO EQUIPMENTS AND ACCESSORIES

ALL MECHANICAL EQUIPMENTS, PIPING AND ACCESSORIES MUST BE ACCESSIBLE FOR OTHER TRADES. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO REVIEW AND PROVIDE ACCESS PANELS. DIVISION 09 SHALL ASSIST MECHANICAL CONTRACTOR TO INSTALL ACCESS PANELS. THE MECHANICAL PLAN DRAWINGS ATTEMPTS TO SHOW AS MUCH AS ACCESS PANELS. HOWEVER, THE QUANTITIES AND SIZE OF ACCESS PANEL SHALL VARY AS REQUIRED FOR INSTALLATION AS PER SITE CONDITION. ALL ACCESS PANELS MUST BE AIR TIGHT. PROVIDE NEOPRENE GASKETS EXCEPT FIRE DAMPERS. CONTRACTOR SHALL ALLOW FOR 4 ADDITIONAL ACCESS PANELS APART FROM THE ONE SHOWN ON THE DRAWINGS.

NO.	DESCRIPTION	DATE

B ISSUED FOR TENDER 2024.05.09
A ISSUED FOR PERMIT 2024.04.26

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

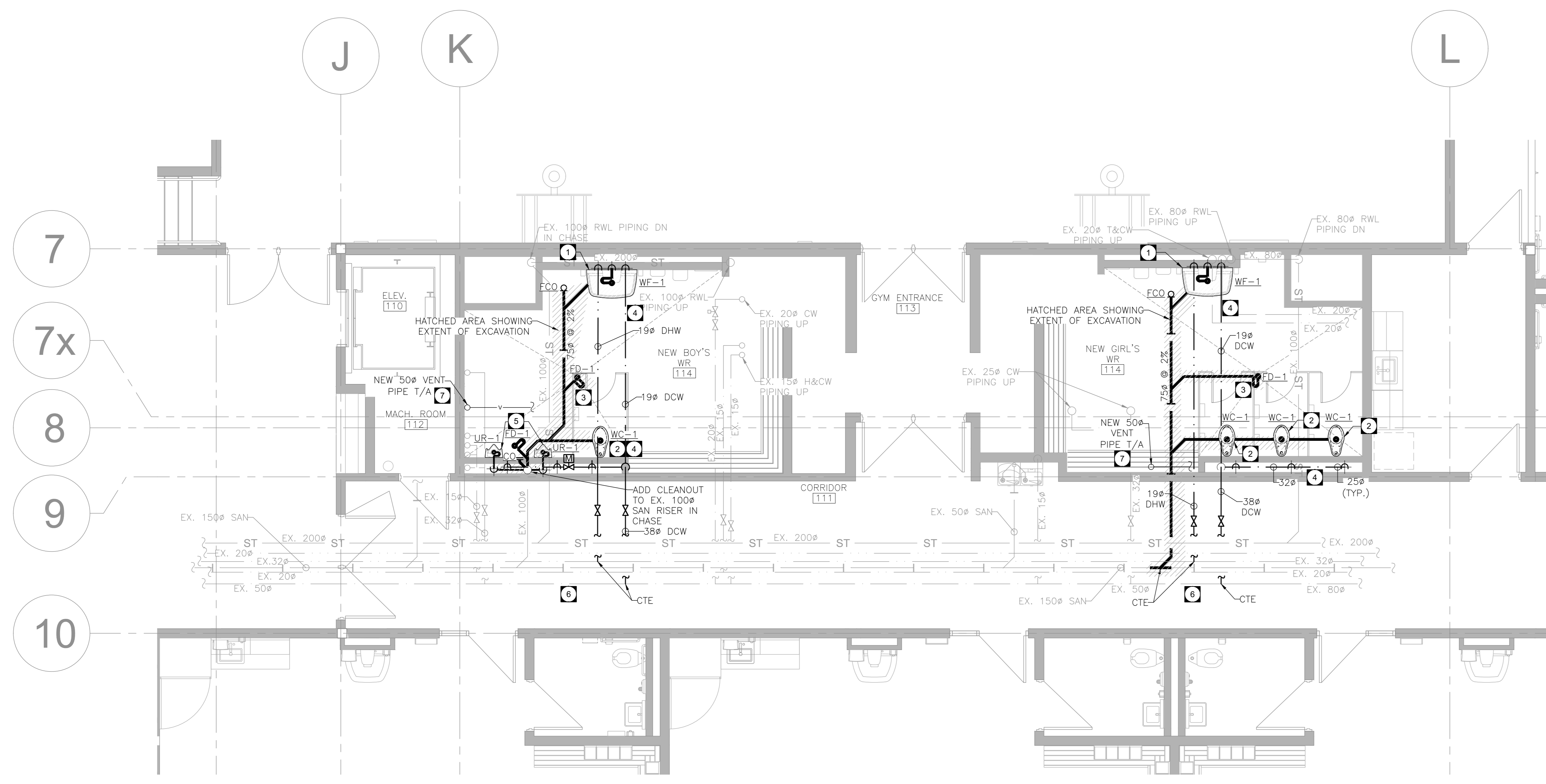
EASTDALE ELEMENTARY SCHOOL RENOVATION PROJECT
99 Lincoln Rd. Stony Creek, ON L8E 1Z4

NCA ARCHITECTS
100 Spadina Ave., 15th Floor
Toronto, Ontario M5S 2B1
Tel: 416 593 8877
Fax: 416 593 8888
www.nca.com

REGULATED PROFESSIONAL ORGANIZATION
REGULATED PROFESSIONAL ORGANIZATION

STRUCTURAL CONSULTANT: N/A
MECHANICAL CONSULTANT: CK ENGINEERING
ELECTRICAL CONSULTANT: CK ENGINEERING

MECHANICAL LEGEND AND SCHEDULE		
SHEET NO.	DESIGN BY	CHECKED
M0.03	VA	BM
PROJECT NO.	24021	
SCALE:	AS NOTED	



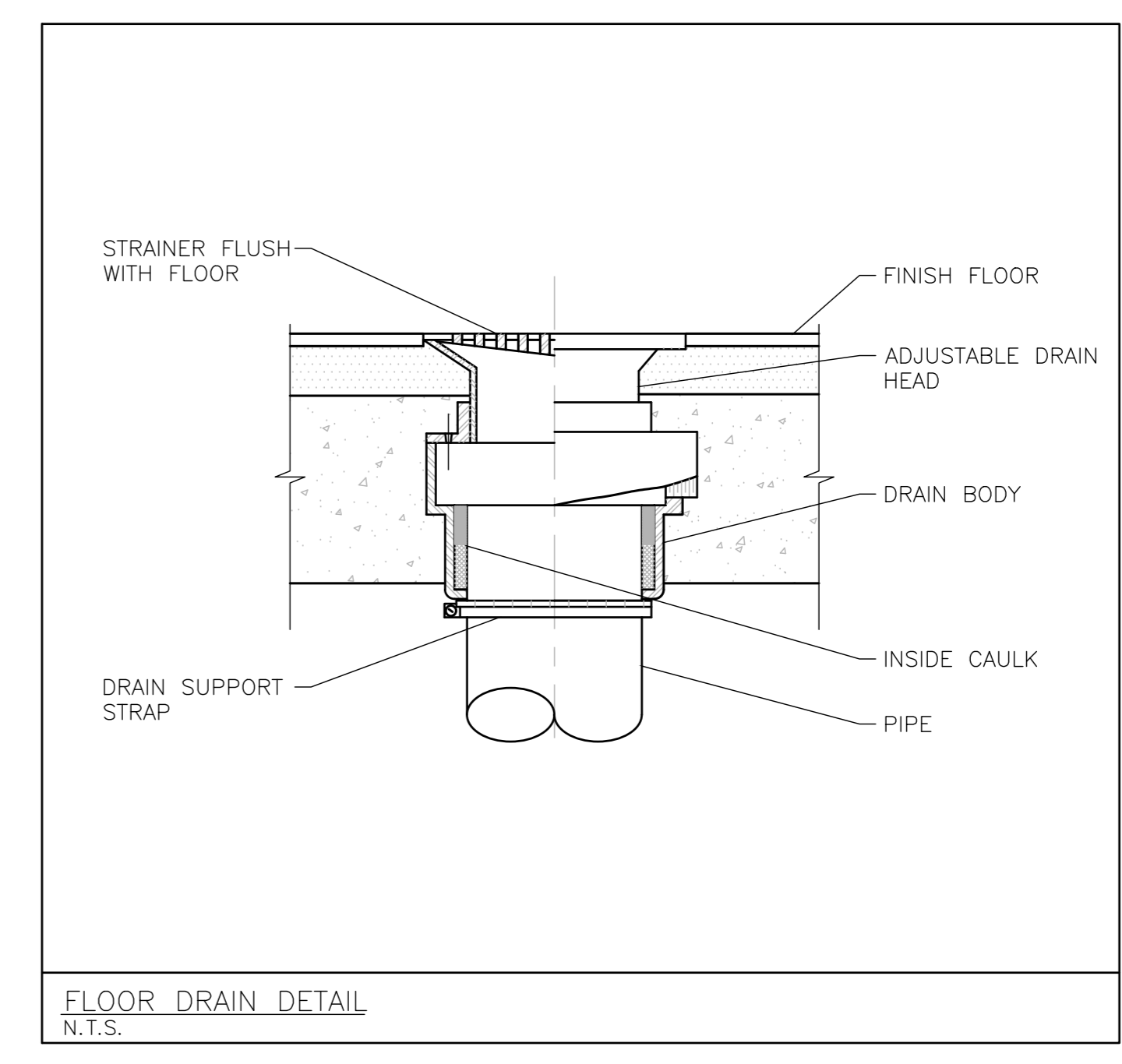
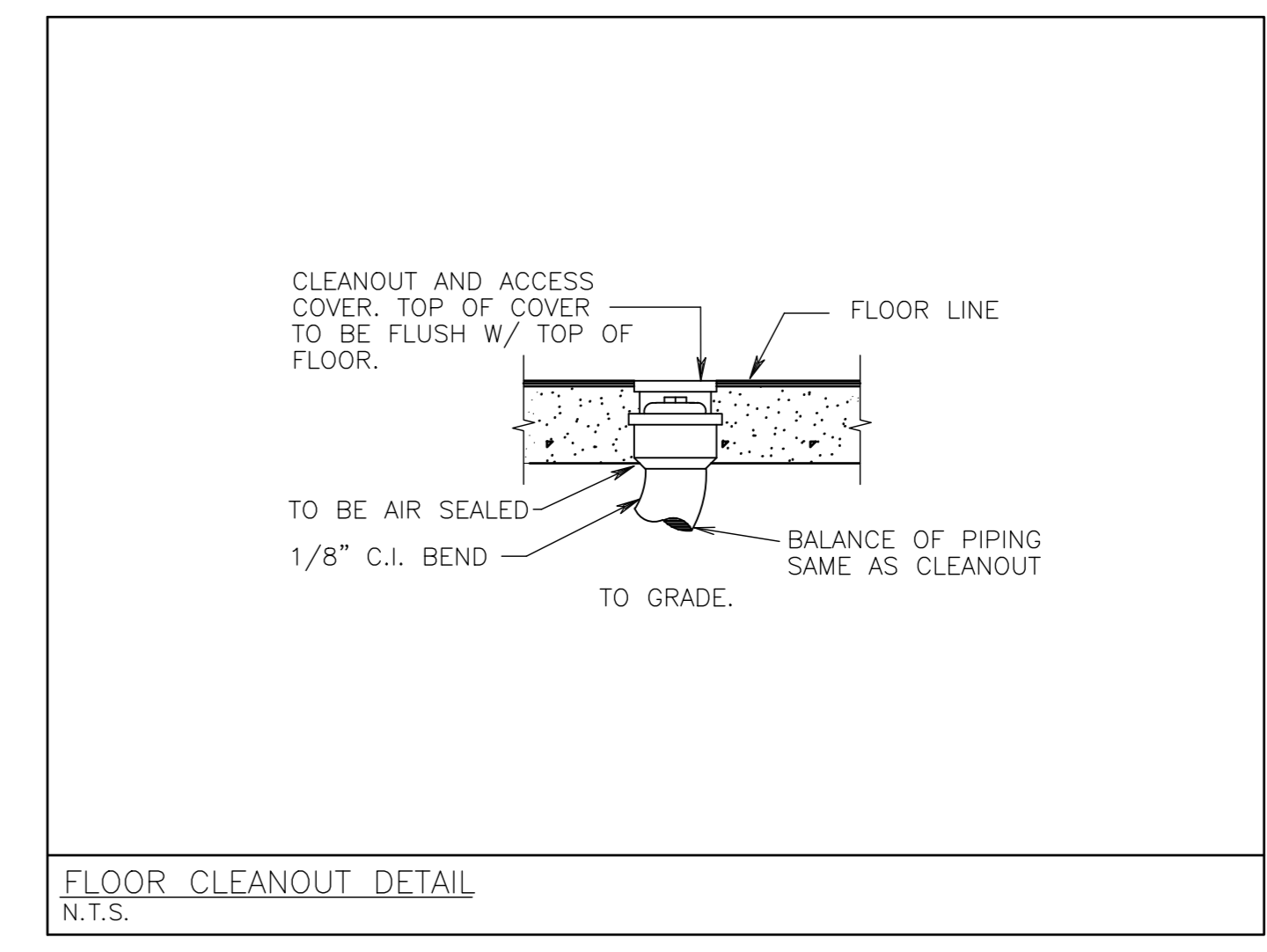
1 PARTIAL GROUND FLOOR CHANGE ROOMS 114 & 116 NEW PLUMBING LAYOUT
SCALE: 1/50

NEW GENERAL NOTES:

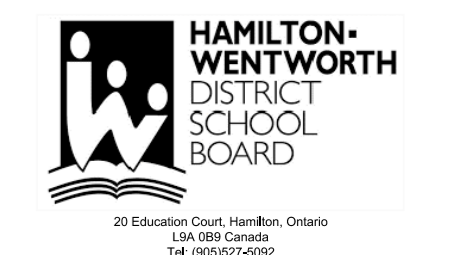
- A. ALL PLUMBING WORK TO CONFORM TO ONTARIO BUILDING CODE, PROVIDE COMPLETE VENT SYSTEM TO MEET SECTION 7 OF ONTARIO BUILDING CODE.
- B. REFER TO MECHANICAL SPECIFICATIONS FOR ACCEPTABLE PIPING MATERIALS.
- C. PROVIDE ISOLATION VALVES FOR EACH PLUMBING FIXTURE.
- D. CONTRACTOR TO FIELD VERIFY WORK SITE CONDITIONS.
- E. COORDINATE PIPES WITH DUCTS, ELECTRICAL AND STRUCTURAL, OFFSET IF REQUIRED.
- F. INSULATE ALL DCW, DHW AND DHWR PIPES WITH PIPE INSULATION, COVER EXPOSED PIPES WITH PVC JACKETS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING LAYOUT. REFER TO MECHANICAL SPECIFICATIONS.
- G. INSULATE ALL EXPOSED SANITARY PIPING WITH FIBERGLASS INSULATION WITH POLYVINYL COVERING. VENT PIPING TO BE INSULATED UP TO 3.0METRES FROM THE POINT OF ROOF PENETRATION WITH INSULATION.
- H. ALL RUNNING TRAPS TO BE COMPLETE WITH PRIMER CONNECTION AND TRAP SEAL PRIMER. PROVIDE TRAP SEAL PRIMER IN A CONCEALED LOCATION WITH ACCESS PANEL.
- I. ALL DOMESTIC WATER PIPING WITHIN FIRE RATED SHAFTS SHALL BE COPPER. PLASTIC PIPES AND FITTINGS ARE NOT ALLOWED IN FIRE RATED SHAFTS.
- J. INSTALL FIRE STOPS TO APPROVED STANDARD IN ALL PIPING PENETRATIONS THROUGH RATED WALLS.
- K. PROVIDE ACCESS DOORS FOR CLEANOUTS INSIDE VERTICAL CHASES OR WALLS.
- L. ANY EXPOSED REFRIGERANT & CONDENSATE PIPING TO BE CONCEALED WITHIN LINE-SET COVERS.
- M. ALL MECHANICAL PENETRATIONS (PIPES, DUCTS) THROUGH SUITE WALLS AND BUILDING ENVELOPE (BASEMENT FLOORS, WALLS, ROOF DECK, ETC) SHALL BE AIR TIGHT SEALED, EXCLUDING FIRE DAMPERS.


NEW DRAWING NOTES:

- ① 19# DCW & DHW LINES DOWN TO NEW WASH FOUNTAIN, 50# SANITARY LINE DOWN AND 32# VENT UP. (TYP.)
- ② 25# DCW LINE DOWN TO WATER CLOSET, 75# SANITARY LINE DOWN FROM THE WATER CLOSET AND 50# VENT UP FROM THE WATER CLOSET. (TYP.)
- ③ 75# FLOOR DRAINS C/W TRAP AND PRIMER. (TYP.)
- ④ PROVIDE SHUT OFF VALVE FOR EACH PLUMBING FIXTURE. (TYP.)
- ⑤ 19# DCW LINE DOWN TO URINAL, 50# SANITARY LINE DOWN FROM URINAL AND 38# VENT LINE UP. PROVIDE WATER MATRIX SYSTEM, SOLENOID VALVE, CONTROLLER, OCCUPANCY SENSOR, ACCESS DOOR IN CEILING. REFER TO MECH. DETAILS.
- ⑥ CONTRACTOR TO PRICE IN TENDER FOR X-RAY SLAB SCAN TO VERIFY LOCATION OF BURIED LINES, AND DOMESTIC WATER PIPES FREEZING WHERE ISOLATION VALVES ARE NOT PRESENT. ALL WORK INVOLVING TIE-INS TO EX. SERVICES THAT MAY CAUSE INTERRUPTIONS SHALL BE PERFORMED AFTER SCHOOL HOURS, AND CO-ORDINATED WITH SCHOOL BOARD.
- ⑦ ROUTE NEW SANITARY VENT PIPE UP TO SECOND FLOOR WASHROOMS AND TIE-IN TO EX. VENT PIPE RISER. EX. WALLS' DEMOLITION AND PATCHWORK BY G.C.



NO.	DESCRIPTION	DATE
B	ISSUED FOR TENDER	2024.05.09
A	ISSUED FOR PERMIT	2024.04.28
REVISIONS		


**EASTDALE
ELEMENTARY SCHOOL
RENOVATION PROJECT**
 99 Lincoln Rd. Stoney Creek,
ON L8E 1Z4

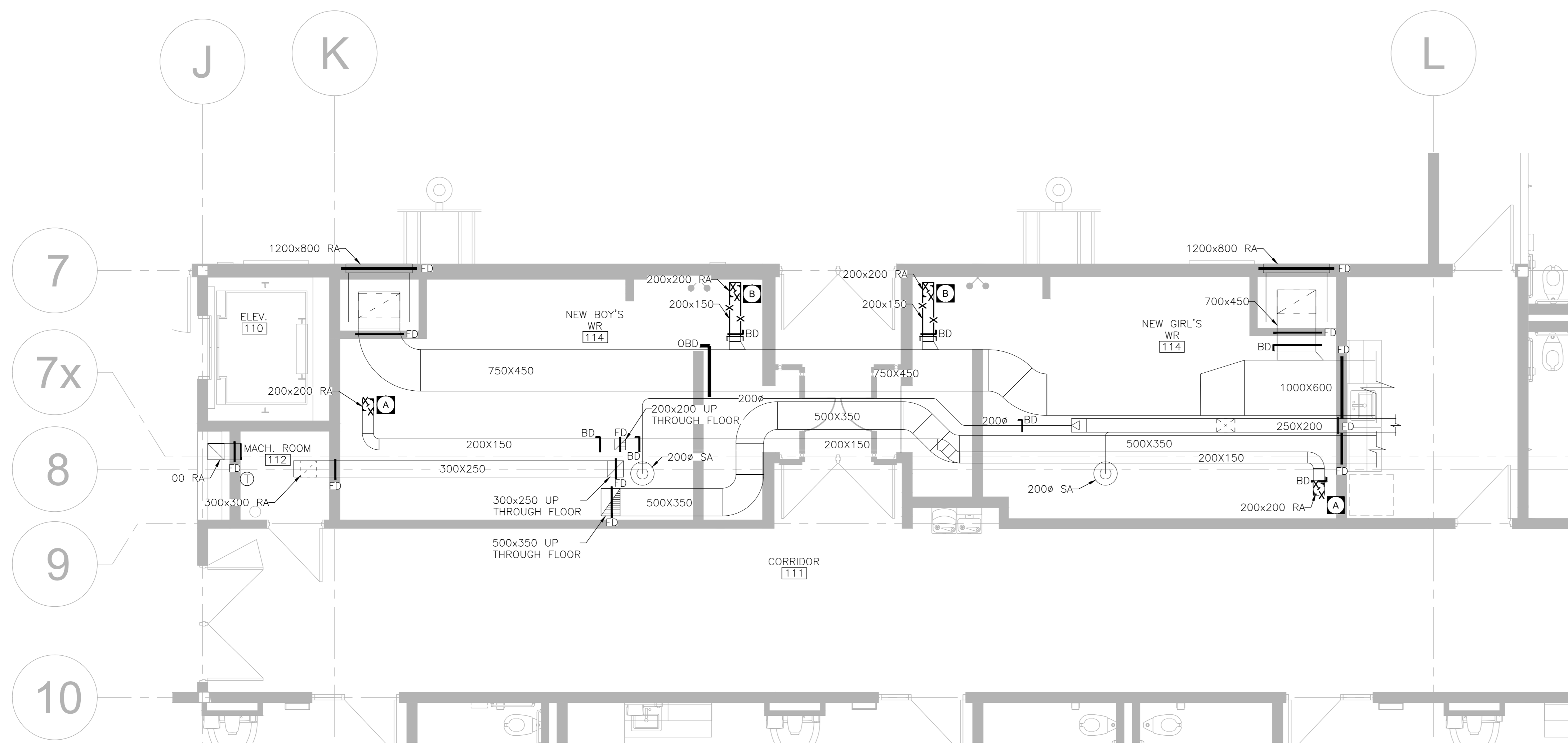

 NCA ARCHITECTS
 125 BRIMLEY RD.
 UNIT 203
 MISSISSAUGA, ONTARIO
 L4W 1B1
 TEL: 416 881 8877
 FAX: 416 881 9825
 www.nca.com

The contractor shall check and verify all dimensions and details in this drawing and construction documents against the actual field conditions. If any discrepancy is found, the contractor shall immediately notify the architect in writing. If any discrepancy is found, the contractor shall immediately notify the architect in writing. If any discrepancy is found, the contractor shall immediately notify the architect in writing.

SHEET TITLE
PARTIAL GROUND FLOOR PLUMBING LAYOUT

SHEET NO. P1.01	DRAWN BY VA	CHECKED BY BM
PROJECT NO. 24021		SCALE AS NOTED

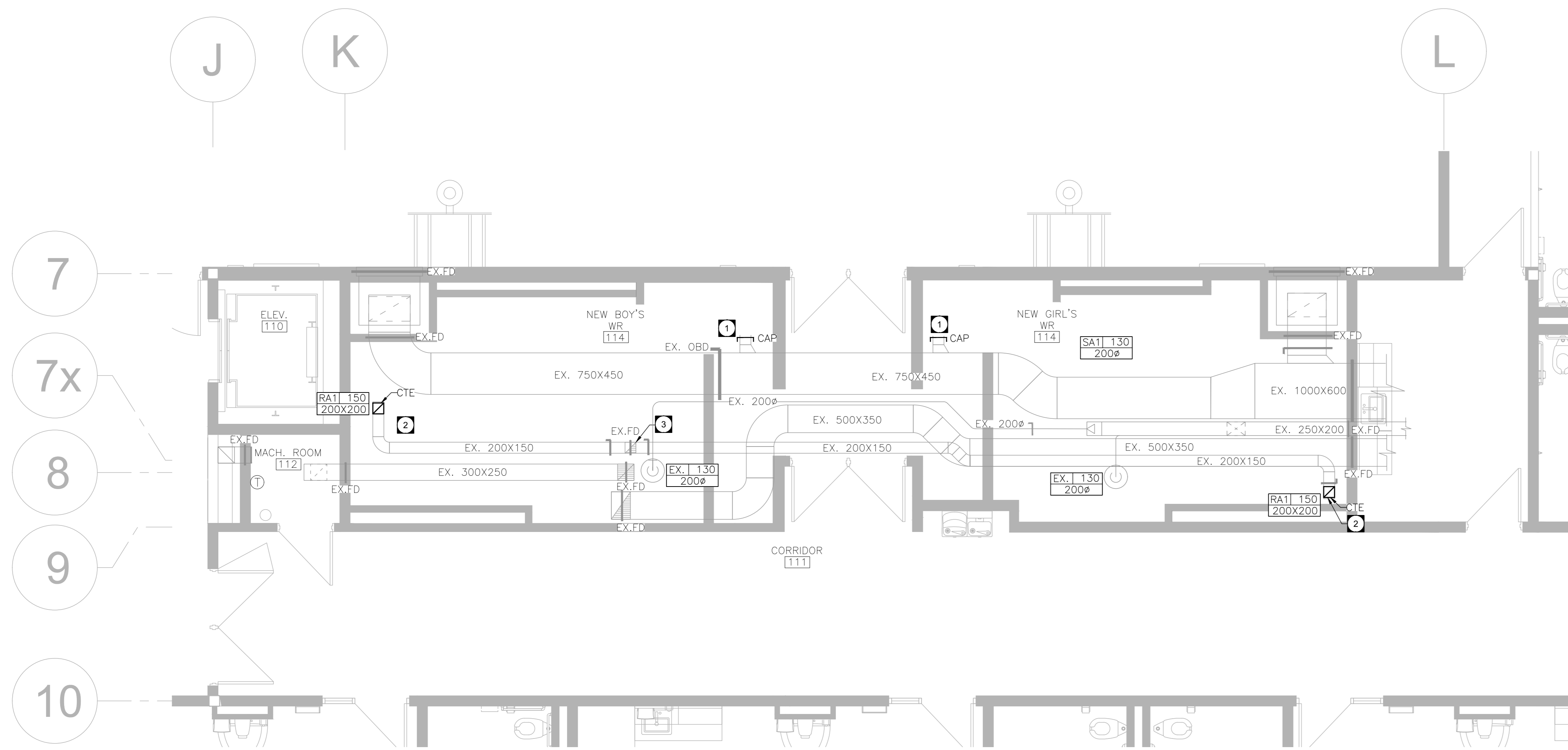
ISSUED FOR CONSTRUCTION DATE
 STRUCTURAL CONSULTANT
 N/A
 MECHANICAL CONSULTANT
CK ENGINEERING
 ELECTRICAL CONSULTANT
CK ENGINEERING



- GENERAL DEMOLITION NOTES:**
- REVIEW DRAWINGS BEFORE COMMENCING WITH DEMOLITION WORK
 - REMOVE ALL EQUIPMENT, PIPING, STEEL SUPPORTS, CONTROLS, PLUMBING MATERIAL, HOUSE KEEPING PAD, SHOWN APPROXIMATELY WITH 'X' THROUGHOUT (UNLESS OTHERWISE INDICATED)
 - THIS DRAWING DOES NOT SHOW ALL HIDDEN OR CONCEALED PIPING, DUCTS, PLUMBING AND EQUIPMENT TO BE REMOVED.
 - REFER TO ARCHITECTURAL DRAWINGS FOR WALL REPAIR DETAIL UNLESS NOTED OTHERWISE.
 - THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE SITE INVESTIGATION. THIS INFORMATION MUST NOT BE ASSUMED TO BE COMPLETE OR UP-TO-DATE. THE MECHANICAL CONTRACTOR SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES AND STRUCTURE TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES, BEFORE THE COMMENCEMENT OF ANY WORK.

- DEMOLITION DRAWING NOTES:**
- REMOVE AIR SUPPLY OR EXHAUST GRILLES AND REMOVE THE DUCT CONNECTIONS. (TYP.)
 - REMOVE EXISTING GRILLE AND CAP THE CONNECTED DUCT.

1 PARTIAL GROUND FLOOR CHANGE ROOMS 114 & 116 HVAC DEMOLITION
SCALE: 1/50



- NEW GENERAL NOTES:**
- THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM EXISTING DRAWINGS AND SITE SURVEY. THIS INFORMATION MUST NOT BE ASSUMED TO BE COMPLETE OR UP-TO-DATE. THIS MECHANICAL CONTRACTOR SHALL CARRYOUT A FULL SURVEY OF ALL EXISTING SERVICES AND STRUCTURE TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES, BEFORE THE COMMENCEMENT OF ANY WORK.
 - THIS DRAWING DOES NOT SHOW ALL CONCEALED PIPING, DUCT AND EQUIPMENT. CONTRACTOR TO COORDINATE WITH LIGHTING FIXTURES AND OTHER ELECTRICAL EQUIPMENT. CONTRACTOR TO VERIFY ALL EXISTING SITE CONDITIONS INCLUDING DUCTWORK SIZES AND EQUIPMENT.
 - CONTRACTOR TO ALLOW FOR RELOCATION OF EXISTING SERVICES AS REQUIRED TO ACCOMMODATE THIS WORK.
 - FIRESTOP AND SEAL ALL DUCTWORK AND PIPING WALL/CEILING/FLOOR PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.
 - REPAIR ANY DAMAGE CAUSED BY THIS WORK AND MAKE GOOD.
 - REMOVE ALL DEBRIS AND CLEAN FROM SITE DAILY.
 - CONTRACTOR SHALL ADJUST THE NEW DUCTWORK ELEVATION AS REQUIRED TO MAINTAIN THE CODE PRESCRIBED MINIMUM HEAD CLEARANCE, SATISFYING THE DESIGN INTENT.
 - CONTRACTOR TO UPSIZE DUCTWORK WITH INTERNALLY LINED ACOUSTIC INSULATION TO MAINTAIN CLEAR INSIDE DIMENSION AS INDICATED.
 - INSULATE FIRST 10 FEET OF ALL DUCTS CONNECTING TO EXTERIOR WALL.
 - MECHANICAL CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE ACCESS PANEL FOR ALL EQUIPMENTS THAT REQUIRES ACCESS FOR MAINTENANCE.
 - PROVIDE AIR TESTING & BALANCING FOR NEW DIFFUSERS AS WELL AS EXISTING DIFFUSERS WHERE FLOWRATES ARE INDICATED. PROVIDE WATER BALANCING FOR NEW OR RELOCATED HYDRONIC RADIATORS.

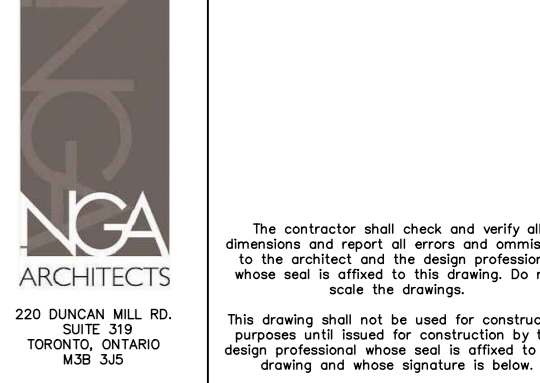
- NEW DRAWING NOTES:**
- CAP AND MAKE AIRTIGHT ALL UNUSED BRANCH CONNECTIONS AT EXHAUST DUCTS.
 - PROVIDE NEW EXHAUST AND SUPPLY GRILLES AND DUCTWORK AT THE SPECIFIED LOCATIONS.
 - RE-BALANCE THE EXISTING BELT DRIVEN ROOF EXHAUST FAN FE-7 TO 300 CFM @ 0.5" WG., 1550 RPM, 1/6 HP.

2 PARTIAL GROUND FLOOR CHANGE ROOMS 114 & 116 NEW HVAC LAYOUT
SCALE: 1/50

NO.	DESCRIPTION	DATE
B	ISSUED FOR TENDER	2024.05.09
A	ISSUED FOR PERMIT	2024.04.28



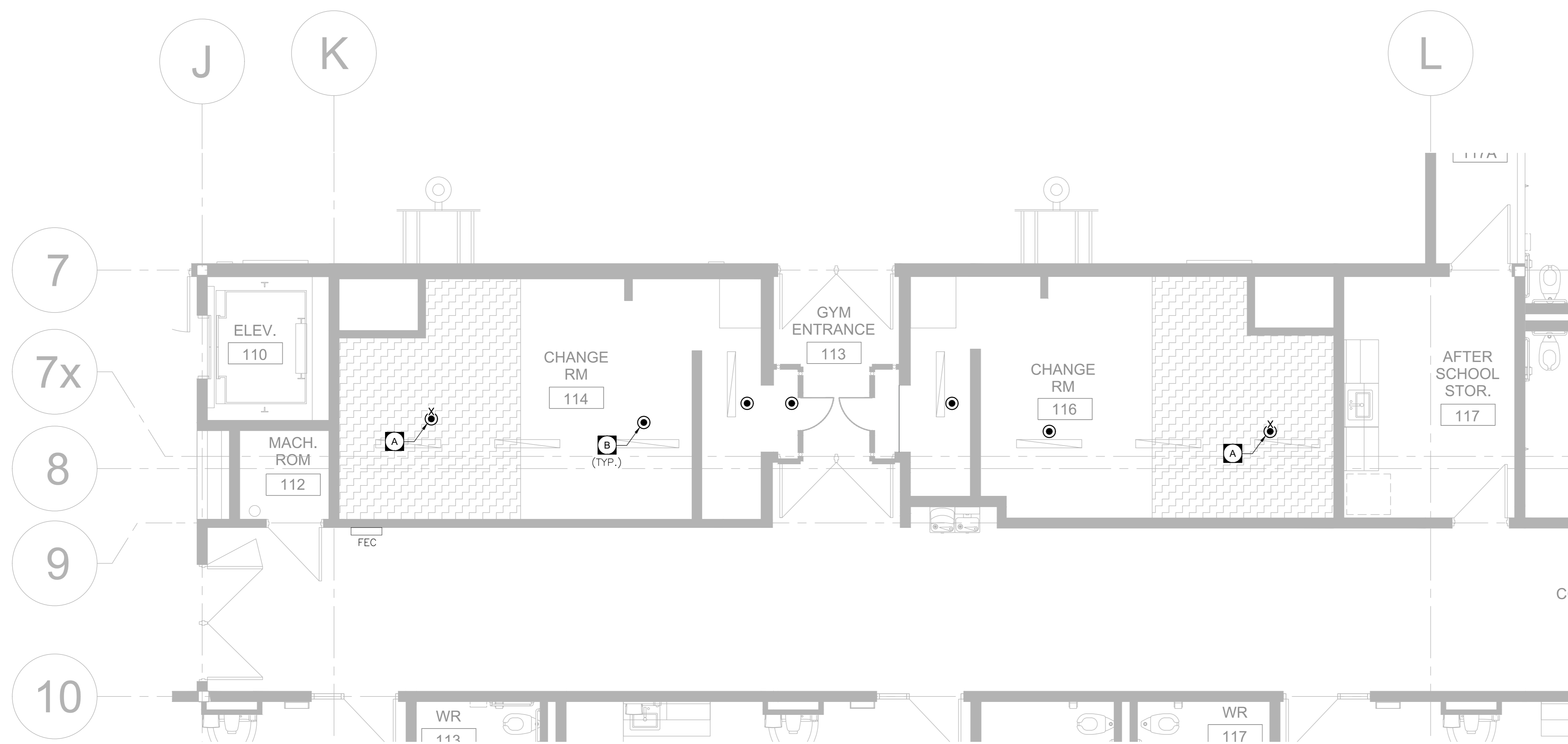
**EASTDALE
ELEMENTARY SCHOOL
RENOVATION PROJECT**
99 Lincoln Rd. Stony Creek,
ON L9E 1Z4



STRUCTURAL CONSULTANT	N/A
MECHANICAL CONSULTANT	CK ENGINEERING
ELECTRICAL CONSULTANT	CK ENGINEERING

SHEET TITLE
PARTIAL GROUND FLOOR HVAC LAYOUT

SHEET NO.	DESIGNED BY	DRAWN BY
M1.01	VA	BM
PROJECT NO.	SCALE	
24021	AS NOTED	



1 PARTIAL GROUND FLOOR CHANGE ROOMS 114 & 116 SPRINKLER DEMOLITION
SCALE: 1/50

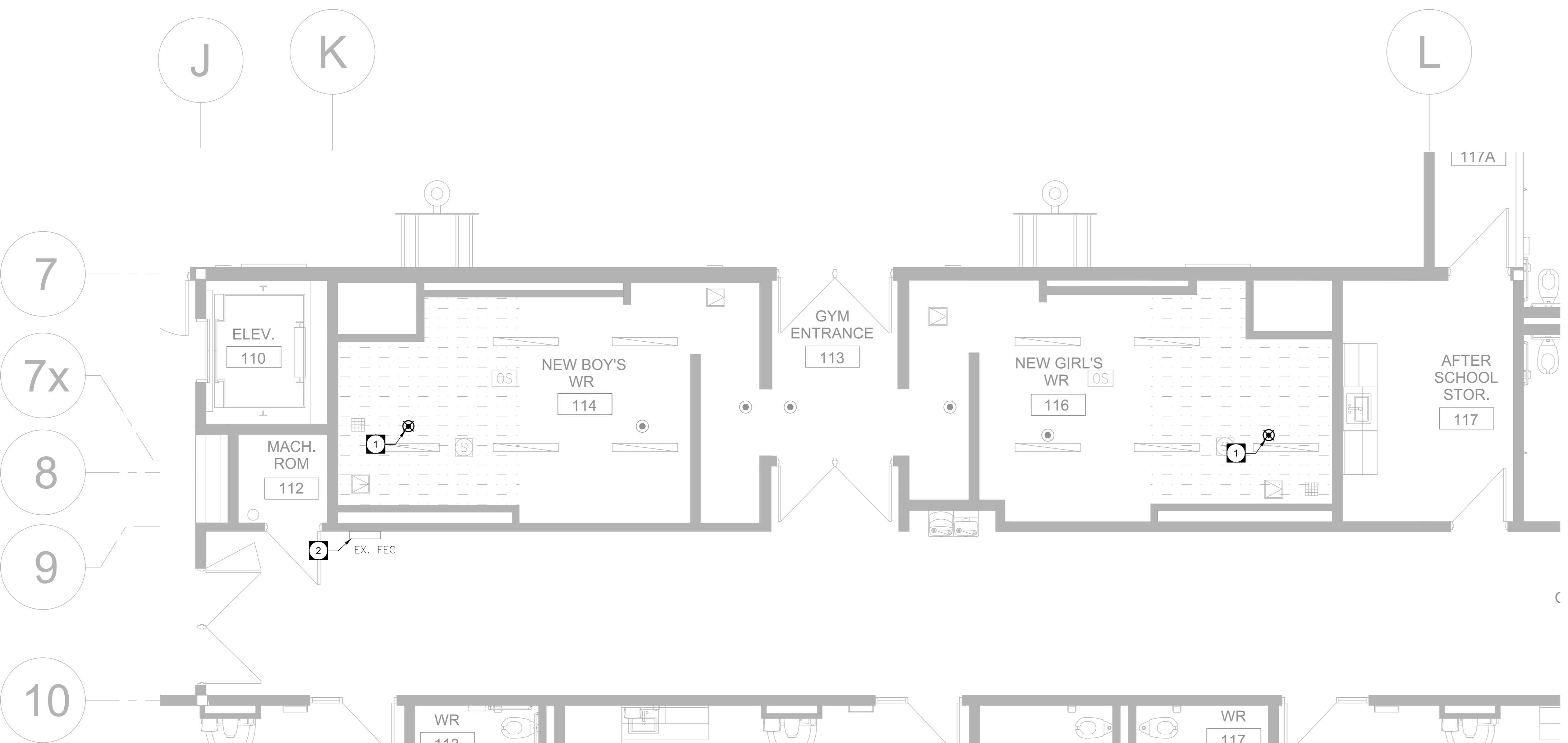
DEMO GENERAL NOTES:

- REVIEW DRAWINGS BEFORE COMMENCING WITH DEMOLITION WORK
- REMOVE ALL EQUIPMENT, PIPING, STEEL SUPPORTS, CONTROLS, PLUMBING MATERIAL, HOUSE KEEPING PAD, SHOWN APPROXIMATELY WITH HEAVY BROKEN LINES THROUGHOUT (UNLESS OTHERWISE INDICATED)
- THIS DRAWING DOES NOT SHOW ALL HIDDEN OR CONCEALED PIPING, DUCTS, PLUMBING AND EQUIPMENT TO BE REMOVED.
- REFER TO ARCHITECTURAL DRAWINGS FOR WALL REPAIR DETAIL UNLESS NOTED OTHERWISE.
- THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE SITE INVESTIGATION. THIS INFORMATION MUST NOT BE ASSUMED TO BE COMPLETE OR UP-TO-DATE. THE MECHANICAL CONTRACTOR SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES AND STRUCTURE TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES, BEFORE THE COMMENCEMENT OF ANY WORK.

DEMO DRAWING NOTES:

A REMOVE EXISTING CONCEALED SPRINKLER HEADS.(TYP.)
 B EXISTING CONCEALED SPRINKLERS TO REMAIN. (TYP.)

SYMBOL	DESCRIPTION	REMARKS
⊙	CONCEALED PENDENT SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊗	UPRIGHT SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊙	SEMI RECESSED WALL MOUNTED SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊙	CONCEALED DRY TYPE SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊗	UPRIGHT DRY TYPE SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊙	CONCEALED WINDOW SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED



2 PARTIAL GROUND FLOOR CHANGE ROOMS 114 & 116 NEW SPRINKLER LAYOUT
SCALE: 1/50

THESE SPRINKLER LAYOUT DRAWINGS INDICATE A GENERAL LOCATION OF SPRINKLER HEADS AND MAIN PIPES. THIS CONTRACTOR IS REQUIRED TO PROVIDE SPRINKLER HEADS IN ALL BUILDING AREAS IN ACCORDANCE TO NFPA 13. LOCATION AND ROUTING OF PIPES SHALL BE COORDINATED WITH OTHER TRADES BEFORE SUBMITTING SHOP DRAWINGS. NO EXTRA WILL BE APPROVED FOR CHANGES OR REVISIONS DUE TO LACK OF COORDINATION. CARRY ALLOWANCE FOR 20 ADDITIONAL SPRINKLER HEADS.

SPRINKLER FIRE NOTES:

- PROVIDE NEW CONCEALED PENDANT SPRINKLER HEAD AS SHOWN. (TYP.)
- EXISTING FIRE EXTINGUISHER CABINET TO REMAIN.

SYMBOL	DESCRIPTION	REMARKS
⊙	CONCEALED PENDENT SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊗	UPRIGHT SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊙	SEMI RECESSED WALL MOUNTED SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊙	CONCEALED DRY TYPE SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊗	UPRIGHT DRY TYPE SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊙	CONCEALED WINDOW SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED

NO.	DESCRIPTION	DATE
B	ISSUED FOR TENDER	2024.05.09
A	ISSUED FOR PERMIT	2024.04.26

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

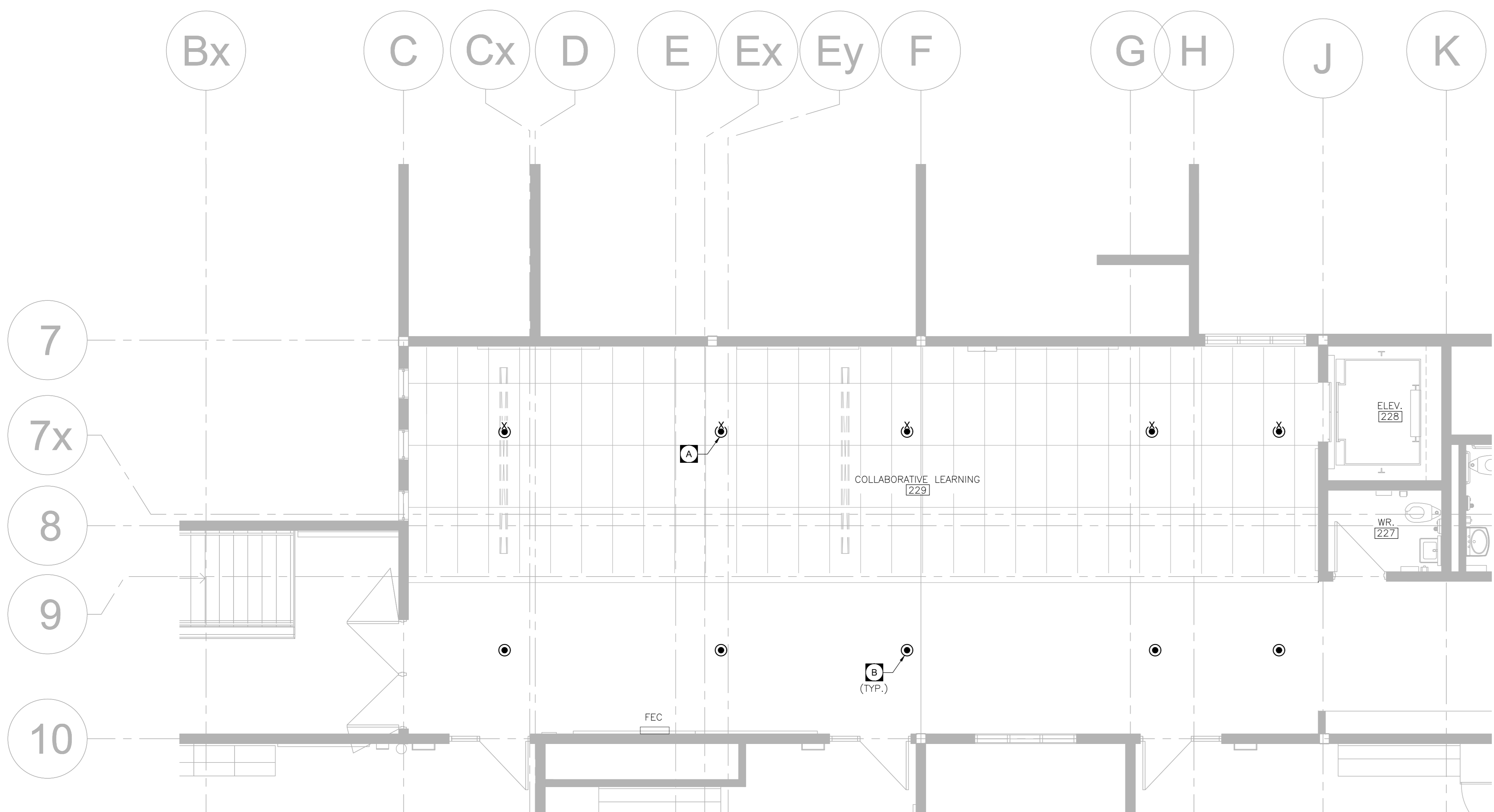
EASTDALE ELEMENTARY SCHOOL RENOVATION PROJECT
 99 Lincoln Rd. Stoney Creek, ON L8E 1Z4

NCA ARCHITECTS
 220 BROADVIEW AVE. TORONTO, ONT. M5H 1R5
 TEL: 416 363 9877 FAX: 416 363 9828 www.nca.com

ISSUED FOR CONSTRUCTION DATE:
 STRUCTURAL CONSULTANT: N/A
 MECHANICAL CONSULTANT: CK ENGINEERING
 ELECTRICAL CONSULTANT: CK ENGINEERING

SHEET TITLE:
PARTIAL GROUND FLOOR SPRINKLER LAYOUT

SHEET NO.: M5.01 **DRAWN BY:** VA **CHECKED BY:** BM
PROJECT NO.: 24021 **SCALE:** AS NOTED



1 PARTIAL SECOND FLOOR COLLABORATIVE LEARNING ROOM SPRINKLER DEMOLITION
SCALE: 1/50

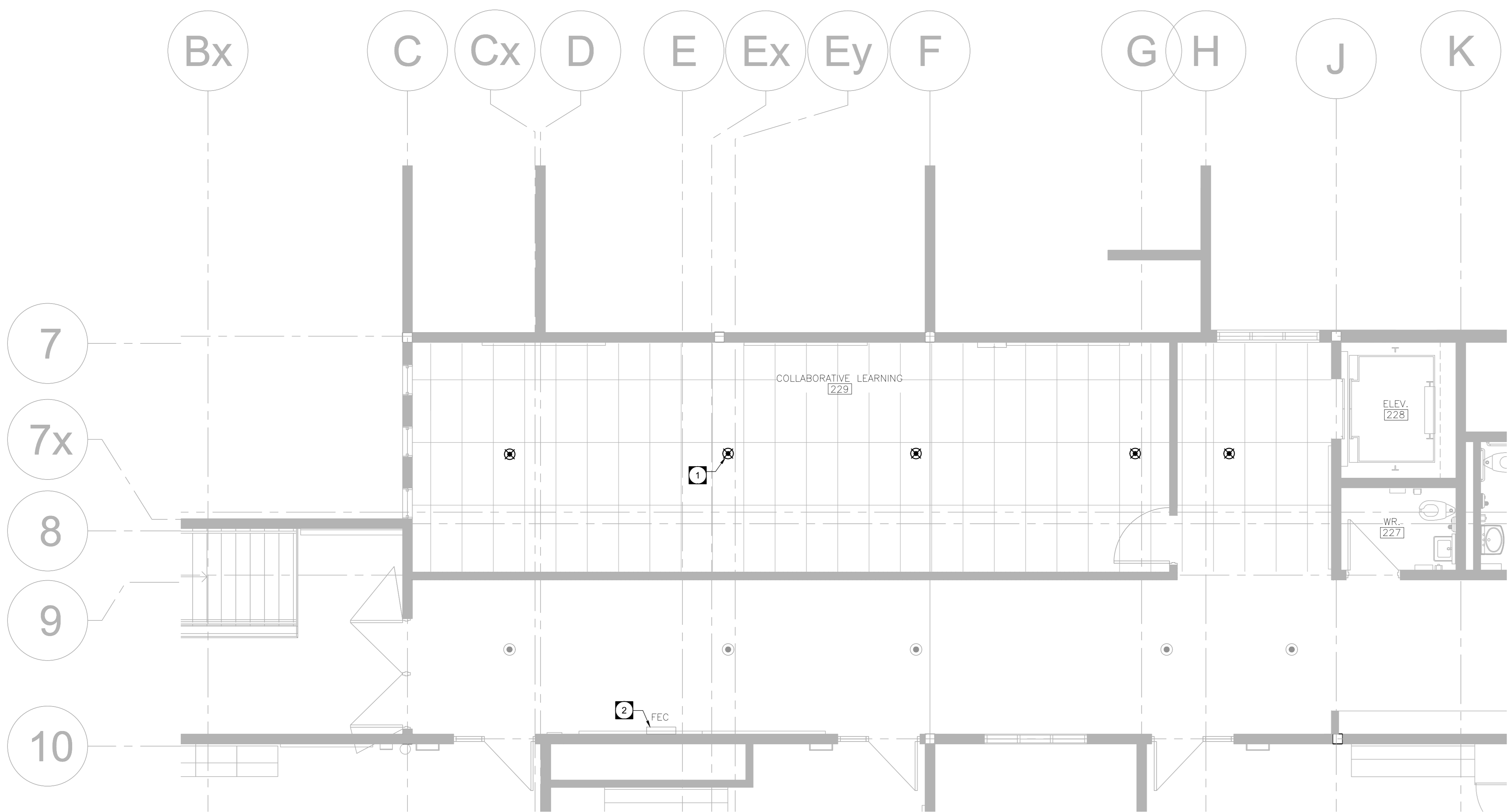
DEMO GENERAL NOTES:

1. REVIEW DRAWINGS BEFORE COMMENCING WITH DEMOLITION WORK
2. REMOVE ALL EQUIPMENT, PIPING, STEEL SUPPORTS, CONTROLS, PLUMBING MATERIAL, HOUSE KEEPING PAD, SHOWN APPROXIMATELY WITH HEAVY BROKEN LINES THROUGHOUT (UNLESS OTHERWISE INDICATED)
3. THIS DRAWING DOES NOT SHOW ALL HIDDEN OR CONCEALED PIPING, DUCTS, PLUMBING AND EQUIPMENT TO BE REMOVED.
4. REFER TO ARCHITECTURAL DRAWINGS FOR WALL REPAIR DETAIL UNLESS NOTED OTHERWISE.
5. THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE SITE INVESTIGATION. THIS INFORMATION MUST NOT BE ASSUMED TO BE COMPLETE OR UP-TO-DATE. THE MECHANICAL CONTRACTOR SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES AND STRUCTURE TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES, BEFORE THE COMMENCEMENT OF ANY WORK.

DEMO DRAWING NOTES:

- A REMOVE EXISTING CONCEALED SPRINKLER HEADS.(TYP.)
- B EXISTING CONCEALED SPRINKLERS TO REMAIN. (TYP.)

SYMBOL	DESCRIPTION	REMARKS
⊗	CONCEALED PENDENT SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊗	UPRIGHT SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊗	SEMI RECESSED WALL MOUNTED SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊗	CONCEALED DRY TYPE SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊗ ^D	UPRIGHT DRY TYPE SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊗	CONCEALED WINDOW SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED



2 PARTIAL SECOND FLOOR COLLABORATIVE LEARNING ROOM NEW SPRINKLER LAYOUT
SCALE: 1/50

THESE SPRINKLER LAYOUT DRAWINGS INDICATE A GENERAL LOCATION OF SPRINKLER HEADS AND MAIN PIPES. THIS CONTRACTOR IS REQUIRED TO PROVIDE SPRINKLER HEADS IN ALL BUILDING AREAS IN ACCORDANCE TO NFPA 13. LOCATION AND ROUTING OF PIPES SHALL BE COORDINATED WITH OTHER TRADES BEFORE SUBMITTING SHOP DRAWINGS. NO EXTRA WILL BE APPROVED FOR CHANGES OR REVISIONS DUE TO LACK OF COORDINATION. CARRY ALLOWANCE FOR 20 ADDITIONAL SPRINKLER HEADS.

SPRINKLER FIRE NOTES:

- 1 PROVIDE NEW CONCEALED PENDANT SPRINKLER HEAD AS SHOWN. (TYP.)
- 2 EXISTING FIRE EXTINGUISHER CABINET TO REMAIN.

SYMBOL	DESCRIPTION	REMARKS
⊗	CONCEALED PENDENT SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊗	UPRIGHT SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊗	SEMI RECESSED WALL MOUNTED SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊗	CONCEALED DRY TYPE SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊗ ^D	UPRIGHT DRY TYPE SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED
⊗	CONCEALED WINDOW SPRINKLER HEAD	UL/ULC LISTED, FM APPROVED

NO.	DESCRIPTION	DATE

B ISSUED FOR TENDER 2024.05.09
A ISSUED FOR PERMIT 2024.04.28

REVISIONS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD
MEMBERS: (List of names)
EASTDALE ELEMENTARY SCHOOL RENOVATION PROJECT
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PREPARED FOR: CONSTRUCTION DATE: N/A
STRUCTURAL CONSULTANT: N/A
MECHANICAL CONSULTANT: CK ENGINEERING
ELECTRICAL CONSULTANT: CK ENGINEERING

SHEET TITLE:
PARTIAL SECOND FLOOR SPRINKLER LAYOUT

SHEET NO. M5.02 DRAWN BY VA CHECKED BM PROJECT NO. 24021 SCALE: AS NOTED

ELECTRICAL SPECIFICATIONS

A. GENERAL CONDITIONS

- 1. CONFORM WITH LATEST EDITION OF THE ONTARIO BUILDING CODE (OBC), ONTARIO ELECTRICAL SAFETY CODE (OESC), CANADIAN STANDARDS ASSOCIATION (CSA), UNDERWRITERS LABORATORIES OF CANADA (ULC) AND LOCAL BY-LAWS AND AUTHORITIES HAVING JURISDICTION.
2. MATERIALS & EQUIPMENT SHALL CARRY APPROVAL AND CONFORM WITH CSA OR ULC STANDARDS.
3. BIDDERS ARE RECOMMENDED TO ATTEND A SITE VISIT, AS INDICATED IN THE RFT DOCUMENT, PRIOR TO SUBMITTED TENDER IN ORDER TO EXAMINE ALL EXISTING CONDITIONS WHICH MAY AFFECT THE CONTRACT.
4. SUPPLY AND INSTALL COMPLETE ELECTRICAL SYSTEMS AS SHOWN AND/OR SPECIFIED HEREIN.
5. FURNISH ALL REQUIRED LABOUR AND MATERIALS, MACHINERY, AND TOOLS.
6. MOUNTING HEIGHT OF EQUIPMENT IS FROM FINISHED FLOOR TO CENTER LINE OF EQUIPMENT.
6.1. GENERAL SWITCHES, DIMMERS, CARD READERS: 1100mm (43")
6.2. WALL RECEPTACLES (GENERAL): 450mm (18")
6.3. DATA, VOIP, TELEPHONE OUTLETS: 450mm (18")
6.4. OUTLET ABOVE COUNTER: 150mm (6")
6.5. LOW VOLTAGE THERMOSTAT FOR CEILING MOUNTED HEATER: 1200mm (47")
6.6. POWER DOOR OPERATORS: 1100mm (43")
6.7. EMERGENCY REMOTE DC HEAD(S): 2440mm (96") A.F.F.
6.8. RUNNING MAN SIGN/EMERGENCY COMBO UNIT: 305mm (12") ABOVE DOOR FRAME
6.9. FIRE PULL STATION: 1150mm (45")
6.10. FIRE ALARM VISUAL, AUDIBLE OR COMBINATION OF BOTH DEVICES" 150mm (6") BELOW CEILING TO THE TOP OF THE DEVICE
7. CO-ORDINATE ON SITE THE LOCATION OF EQUIPMENT, CONTROL DEVICES, SERVICE DISTRIBUTION SYSTEMS, ETC.
8. AT ALL TIMES KEEP THE OWNER'S PROPERTY CLEAN AND IN TIDY CONDITION.
9. PROVIDE WARNING SIGNS AND BARRIERS AS REQUIRED TO MEET INSPECTION DEPARTMENT'S REQUIREMENTS.
10. DRAWINGS SHOW GENERAL INTENT OF WORK AND NOT THE DETAILS OF THE INSTALLATION.
11. GUARANTEE IN WRITING ALL MATERIAL AND WORKMANSHIP INCLUDING THE MANUFACTURER'S GUARANTEE
12. NO EXTRA CHARGES SHALL BE HONOURED EXCEPT WHERE THE CONTRACTOR RECEIVES A WRITTEN ORDER
13. AFTER THE APPROVAL OF DRAWINGS, THE RIGHT IS RESERVED TO MAKE REASONABLE CHANGES IN THE DESIGN
14. THE CONSULTANT RESERVES THE RIGHT TO SELECT THE FINAL PRODUCT AND OR OPTIONS/ACCESSORIES DURING SHOP DRAWING REVIEW

B. SUBMITTALS

- 1. BEFORE FABRICATION OF ANY MATERIALS OR EQUIPMENT, SUBMIT ONE (1) COPY OF DETAILED MANUFACTURER'S SHOP DRAWINGS OF EQUIPMENT AND APPARATUS FOR REVIEW.
2. THE ELECTRICAL CONTRACTOR IS TO REVIEW, DATE AND SIGN ALL ELECTRICAL SHOP DRAWINGS PRIOR TO SUBMITTING TO THE CONSULTANT FOR REVIEW.
3. THE ELECTRICAL CONTRACTOR TO PREPARE RECORD DRAWINGS (IN AUTOCAD AND PDF FORMATS) INCLUDING ALL CHANGES AND DEVIATIONS IN COLOUR RED FROM CONSTRUCTION SET AND SUBMIT THEM TO THE CONSULTANT
4. THE FOLLOWING ITEMS ARE TO BE SUBMITTED TO THE CONSULTANT AND THE OWNER AT THE END OF THE PROJECT IN A HARD COVER, THREE-RING BINDER WITH TABS INDICATING EACH SECTION:
4.1. FINAL INSPECTION/VERIFICATION REPORTS FROM THE INSPECTION AUTHORITIES AND TESTING AGENCIES
4.2. MANUFACTURER'S SPECIFICATION SHEETS AND PHOTOMETRIC DATA FOR LIGHT FIXTURES
4.3. A COPY OF ALL FINAL REVIEWED SHOP DRAWINGS
4.4. AUTOCAD AND PDF RECORD DRAWINGS
4.5. OPERATING INSTRUCTIONS FOR EACH SYSTEM INCLUDING CONTROL AND WIRING DIAGRAMS
4.6. MANUFACTURER RECOMMENDED MAINTENANCE PROCEDURES AND SCHEDULES
4.7. LIGHTING VERIFICATION AND COMMISSIONING DOCUMENT FROM THIRD PARTY
4.8. WARRANTY LETTER FOR ALL MATERIAL AND WORKMANSHIP
4.9. USB DRIVE WITH ELECTRONIC COPY OF ITEMS 4.1 TO 4.8

C. PERMITS, TEST, REGULATIONS, ETC.

- 1. CARRY OUT ALL CHANGES AND ALTERATIONS REQUIRED BY THE AUTHORIZED INSPECTOR OF ANY AUTHORITY HAVING JURISDICTION WITHOUT DELAY TO THE PROGRESS OF THE WORK AND WITHOUT EXTRA COST.
2. PROVIDE WARNING SIGNS AND ARC FLASH LABELS AS SPECIFIED OR TO MEET REQUIREMENTS OF O.E.S.C, INSPECTION DEPARTMENT AND THE CONSULTANT.
3. UPON COMPLETION OF THE CONTRACT, ISSUE TO THE OWNER A FORMAL CERTIFICATION OF COMPLETION OF WORK BEFORE FINAL PAYMENT FOR WORK MAY BE CONSIDERED DUE.
4. PAYMENTS FOR ALL PERMITS, DEPOSITS, INSPECTION, SERVICES, AND OTHER FEES NECESSARY FOR THE WORK SHALL BE INCLUDED IN THE TENDER.

D. MATERIALS

- 1. ALL MATERIALS AND EQUIPMENT (PRODUCTS) TO BE NEW AND FREE OF DEFECTS, CSA, ULC OR CANADIAN RECOGNIZED CERTIFICATION.
2. THIS IS A BASE BID SPECIFICATION. ITEMS ON THE DRAWINGS AND SUBSEQUENT DIVISIONS OF THESE SPECIFICATIONS ARE LISTED WITH THE NAMES OF A SPECIFIC MANUFACTURER, THE FIRST OF WHICH IS BASE BID AND HAS BEEN USED IN THE DESIGN AND IS THE EQUIPMENT SHOWN ON THE DRAWINGS.
3. WHERE MORE THAN ONE MANUFACTURER IS LISTED FOR A PARTICULAR ITEM OR GROUPS OF ITEMS, THE CONTRACTOR SHALL STATE IN HIS TENDER FORM COST SAVINGS (IF ANY) FOR THE USE OF ALTERNATE PRODUCTS, AND SHALL NAME THE ALTERNATE MANUFACTURERS.
4. WHERE OTHER THAN A FIRST-NAMED PRODUCT IS PROPOSED, THE BIDDER WILL BE DEEMED TO REPRESENT THAT NAMED PRODUCT CONFORMS TO THE PERFORMANCE, QUALITY, SPACE AND WEIGHT CHARACTERISTICS OF THE BASE BID PRODUCT.
5. THE CATALOG NUMBER OF THE SPECIFIED DEVICE MAY NOT DESIGNATE ALL THE ACCESSORY PARTS AND APPURTENANCES REQUIRED FOR THE PARTICULAR USE OR FUNCTION.

E. WIRES AND CABLES

- 1. ALL WIRING SHALL BE MINIMUM COPPER NO. 12 AWG WITH 600V INSULATION FOR 120/208V WIRING AND 1000V FOR 600V WIRING OF CHEMICALLY CROSS-LINKED THERMOSETTING POLYETHYLENE (XLPE) MATERIAL SUITABLE FOR 90° OPERATION.
2. ALUMINUM WIRING IS NOT ACCEPTABLE UNLESS NOTED OTHERWISE.
3. NMD90 (PVC JACKETED) WIRING SHALL NOT BE USED AND IS NOT ACCEPTABLE.
4. ALL LOW VOLTAGE 6-24VDC EMERGENCY LIGHTING WIRING SHALL BE MINIMUM COPPER NO.10 AWG.
5. AC90 CABLE MAY ONLY BE USED FOR SHORT RUNS WITH MAXIMUM DISTANCE OF 3660mm (12ft) TO LIGHT FIXTURES AND RECEPTACLES IN CONCEALED AREAS ONLY UNLESS NOTED OTHERWISE.
6. WHERE CONDUCTOR SIZES ARE NOT INDICATED THEY SHALL BE SIZED TO ENSURE THE VOLTAGE DROP DOES NOT EXCEED 2% FOR BRANCH CIRCUIT AND 3% FOR MAIN FEEDER AND THE REQUIREMENTS OF THE OESC.
7. ALL WIRING TO BE INSTALLED IN CONDUIT OR RACEWAY AND SHALL BE EQUIPPED WITH A GREEN INSULATED BOND CONDUCTOR SIZED TO MEET THE REQUIREMENTS OF THE OESC.

F. CONDUIT

- 1. EMT AND RIGID GALVANIZED STEEL (RGS) CONDUIT TO BE CONCEALED IN FINISHED AREAS OF THE BUILDING.
2. FLEXIBLE METALLIC CONDUIT MAY BE USED FOR SHORT CONNECTIONS TO VIBRATING MECHANICAL EQUIPMENT.
3. MINIMUM CONDUIT SIZE SHALL BE 21mm (3/4") UNLESS NOTED OTHERWISE ON THE DRAWINGS.
4. WHERE SLEEVES OR OPENINGS ARE INSTALLED IN WALLS, FLOORS, ROOF OR PARTITIONS TO ACCOMMODATE RACEWAYS OR CABLES, PROVIDE ALL NECESSARY SEALS, FITTINGS, BARRIERS AND FIRE-RESISTANT MATERIALS TO RESTORE THE INSTALLATION TO ITS ORIGINAL FIRE RATING TO THE SATISFACTION OF THE GOVERNING AUTHORITIES.
5. WHERE CONDUIT MUST BE SURFACE MOUNTED TO EXPOSED CEILING/WALL SURFACES, PROVIDE METALLIC WIREMOLD PAINTED TO MATCH CEILING/WALL SURFACES UNLESS NOTED OTHERWISE.
6. ALL LOW VOLTAGE WIRING IS TO BE INSTALLED IN CONDUIT UNLESS NOTED OTHERWISE ON DRAWINGS

G. OUTLETS AND JUNCTION BOXES

- 1. PROVIDE STICK ON LABELS (BLACK LETTERING ON WHITE BACKGROUND) INDICATING THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES AND CONTROL DEVICES.
2. ALL JUNCTION BOXES AND CONDUIT SUPPORT SYSTEM SHALL BE SECURED TIGHT TO THE UNDERSIDE OF THE BUILDING STRUCTURE.
3. ALL DEVICE BOXES TO BE RECESSED WHEREVER POSSIBLE. ALL JUNCTION BOXES SHALL BE SIZED TO ACCOMMODATE THE NUMBER OF RACEWAYS AND CONDUCTORS AND BE EASILY ACCESSIBLE AFTER INSTALLATION.
4. WHERE BOXES MUST BE SURFACE MOUNTED TO EXPOSED CEILING/WALL SURFACES, PROVIDE SURFACE MOUNTED DIE-CAST ALUMINUM BOXES PAINTED TO MATCH CEILING/WALL SURFACES UNLESS NOTED OTHERWISE.

H. WIRING DEVICES

- 1. SWITCHES, RECEPTACLES AND OUTLETS TO BE DECORA STYLE, WHITE COLOR WITH STAINLESS STEEL COVER PLATES.
2. RECEPTACLES TO BE TAMPER RESISTANT AND MARKED "TR".
3. TOGGLE SWITCHES TO BE 15 OR 20 AMP, 120 OR 347 VOLT AS REQUIRED COMPLETE WITH BACK BOX.
4. LOW VOLTAGE SWITCHES, SENSORS OR DEVICES TO BE INSTALLED COMPLETE WITH DEVICE BACK BOX. ALL BOXES FOR CEILING MOUNTED DEVICES TO BE OCTAGON TYPE.
5. MAINTAIN A MINIMUM OF 150mm HORIZONTAL CLEARANCE BETWEEN BOXES INSTALLED BACK-TO-BACK IN WALL.

I. FIRE STOPPING

- 1. SEALS FOR CABLES AND CONDUIT:
• PROVIDE FIRE RATED SEALS FOR CONDUITS AND WIRING AT ALL FIRE RATED WALL/FLOOR PENETRATIONS.
• APPLY FIRE SEALANT 3M CP 25WB+ , 4 HR FIRE BARRIER, L RATED, STC 54 TO SEAL ALL PENETRATIONS THROUGH ANY FIRE RATED ASSEMBLIES.

J. LIGHTING

- 1. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL ALL LIGHT FIXTURES AS SPECIFIED ON PLANS.
2. SUPPLY AND INSTALL ALL MOUNTING HARDWARE AND ACCESSORIES TO SUIT THE CEILING AND INSTALLATION.
3. ALL LIGHT FIXTURES THAT ARE NOT SUPPORTED DIRECTLY BY AN OUTLET BOX AS PER OESC 30-302, ARE TO BE SECURED TO BUILDING STRUCTURE INDEPENDENTLY BY JACK CHAINS OR AIRCRAFT CABLES.
4. EMERGENCY LIGHTING SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 3.2.7.3 OF THE LATEST EDITION OF ONTARIO BUILDING CODE.
5. LOCATE EACH EMERGENCY LIGHT ON SITE TO SUIT EXIT ROUTING AND LINE OF SIGHT.
6. EACH EMERGENCY POWER BATTERY UNIT SHALL PROVIDE SUFFICIENT WATTAGE TO LIGHT ALL REMOTE EMERGENCY EXIT LIGHT HEADS WIRED TO IT FOR A MINIMUM PERIOD DESCRIBED IN SECTION 3.2.7.4 OF OBC.
7. ALL LOW VOLTAGE LIGHTING CONTROL DEVICES TO BE CSA OR ULC LISTED.

K. LIGHTING CONTROLS

- 1. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL ALL LIGHTING CONTROL DEVICES AS SPECIFIED ON PLANS.
2. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL ALL LOW VOLTAGE LIGHTING CONTROL DEVICES INCLUDING WIRING, ACCESSORIES, COVER PLATES, ETC.
3. ALL LOW VOLTAGE LIGHTING CONTROL WIRING TO BE INSTALLED IN CONDUIT WHERE INSTALLED IN EXPOSED AREAS.
4. ELECTRICAL CONTRACTOR TO SUBMIT DETAILED OCCUPANCY SENSOR, LOW VOLTAGE SWITCHING AND POWER PACK WIRING DIAGRAMS SPECIFIC TO THIS PROJECT DURING SHOP DRAWING SUBMISSION STAGE FOR REVIEW BY THE CONSULTANT.
5. ELECTRICAL CONTRACTOR TO FIELD ADJUST AIMING, SENSITIVITY AND TIME DELAY AS REQUIRED.
6. LIGHTING CONTROL DEVICES AND CONTROL SYSTEMS SHALL BE TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION.
6.1. CERTIFY THAT OCCUPANT SENSORS HAVE BEEN LOCATED AND AIMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
6.2. OCCUPANCY SENSORS AND EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY.
6.2.1. STATUS INDICATOR OPERATES PROPERLY
6.2.2. CONTROLLED LIGHTS TURN OFF OR DOWN TO THE PERMITTED LEVEL WITHIN REQUIRED TIME
6.2.3. FOR AUTO-ON OCCUPANT SENSORS, THE LIGHTS TURN ON TO THE PERMITTED LEVEL WITH THE TIME REQUIRED
6.2.4. FOR MANUAL-ON SENSORS, THE LIGHTS TURN ON ONLY WHEN MANUALLY ACTIVATED
6.2.5. THE LIGHTS ARE NOT INCORRECTLY TURNED ON BY MOVEMENT IN NEARBY AREAS OR BY HVAC OPERATION
6.3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO HIRE THE LIGHTING CONTROL MANUFACTURER'S INDIVIDUAL TO CARRY OUT AN INSPECTION AND PROVIDE DOCUMENTATION CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET OR EXCEED ALL DOCUMENTED PERFORMANCE CRITERIA.

L. GROUNDING

- 1. GROUND THE SERVICE AND ALL NON-CURRENT CARRYING METAL PARTS IN ACCORDANCE WITH OESC.
2. PROVIDE COMPLETE GROUNDING AND BONDING SYSTEM AS REQUIRED BY OESC.
3. PROVIDE GROUND CONNECTION TO TELEPHONE PANEL, WATER MAIN AND ALL METALLIC PIPING.

Table with 2 columns: Item Code, Description. Includes items E0.01 (Specifications and Drawing List), E0.02 (Specifications and Schedules), E0.03 (Legends, Details and Panel Schedules Sheet), E0.10 (Electrical Keyplan), E1.01 (Ground Floor Electrical Demo), E1.02 (Second Floor Electrical Demo), E1.03 (Ground Floor Electrical New), E1.04 (Second Floor Electrical New).

Revision table with columns: NO, DESCRIPTION, DATE. Includes entries for 'ISSUED FOR TENDER' (2024.05.17) and 'ISSUED FOR PERMIT' (2024.04.26).

Professional stamps and logos including Hamilton-Wentworth District School Board, NCA Architects, and a table for project roles like Structural Consultant, Mechanical Consultant, and Electrical Consultant.

Project information block including 'SHEET TITLE: SPECIFICATIONS AND DRAWING LIST', 'DRAWN BY: SA', 'CHECKED BY: JS', and 'SCALE: AS NOTED'.

ELECTRICAL SPECIFICATIONS

M. FIRE ALARM SYSTEM RENOVATIONS

1. THE ELECTRICAL CONTRACTOR SHALL HIRE A FIRE ALARM SYSTEM COMPANY TO TEST AND VERIFY ANY NEW OR RELOCATED FIRE ALARM DEVICES AND PROVIDE WRITTEN VERIFICATION REPORT INDICATING THE DEVICES HAVE BEEN TESTED AND VERIFIED TO THE LATEST APPLICABLE CODES AND STANDARDS.
2. THE ELECTRICAL CONTRACTOR SHALL CARRY ALL COSTS ASSOCIATED WITH TESTING AND VERIFICATION AS REQUIRED BY THE FIRE ALARM WORK INDICATED ON THE ELECTRICAL DRAWINGS.
3. THE FIRE ALARM SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH THE LATEST EDITION OF CAN/ULC-S524, "INSTALLATION OF FIRE ALARM SYSTEMS".
4. THE FIRE ALARM SYSTEM SHALL BE VERIFIED IN CONFORMANCE WITH THE LATEST EDITION OF CAN/ULC-S537, "VERIFICATION OF FIRE ALARM SYSTEM" TO ENSURE SATISFACTORY PERFORMANCE.
5. ALL STROBE CANDELAS TO BE 15cd UNLESS OTHERWISE NOTED.

N. FIELD QUALITY CONTROL

1. TEST ALL WORK. REMEDY AND MAKE GOOD ANY DEFECTS DISCLOSED BY SUCH TESTS AND TEST THE WORK AGAIN. TEST IN ACCORDANCE WITH APPROVED PROCEDURE.
2. TEST EACH POWER AND CONTROL CONDUCTOR FOR CONTINUITY AND GROUNDS. IMMEDIATELY FOLLOWING THIS TEST, CONNECT CONDUCTOR TO ITS PERMANENT TERMINAL.
3. INSPECT ALL CONNECTIONS, PROTECTIVE AND SAFETY DEVICES PRIOR TO ENERGIZING ANY EQUIPMENT AND MAKE NECESSARY ADJUSTMENTS, WHERE REQUIRED, TO ASSURE A PROPER AND SAFE OPERATION.
4. ALL EQUIPMENT SHALL BE WIPED CLEAN AND VACUUMED.

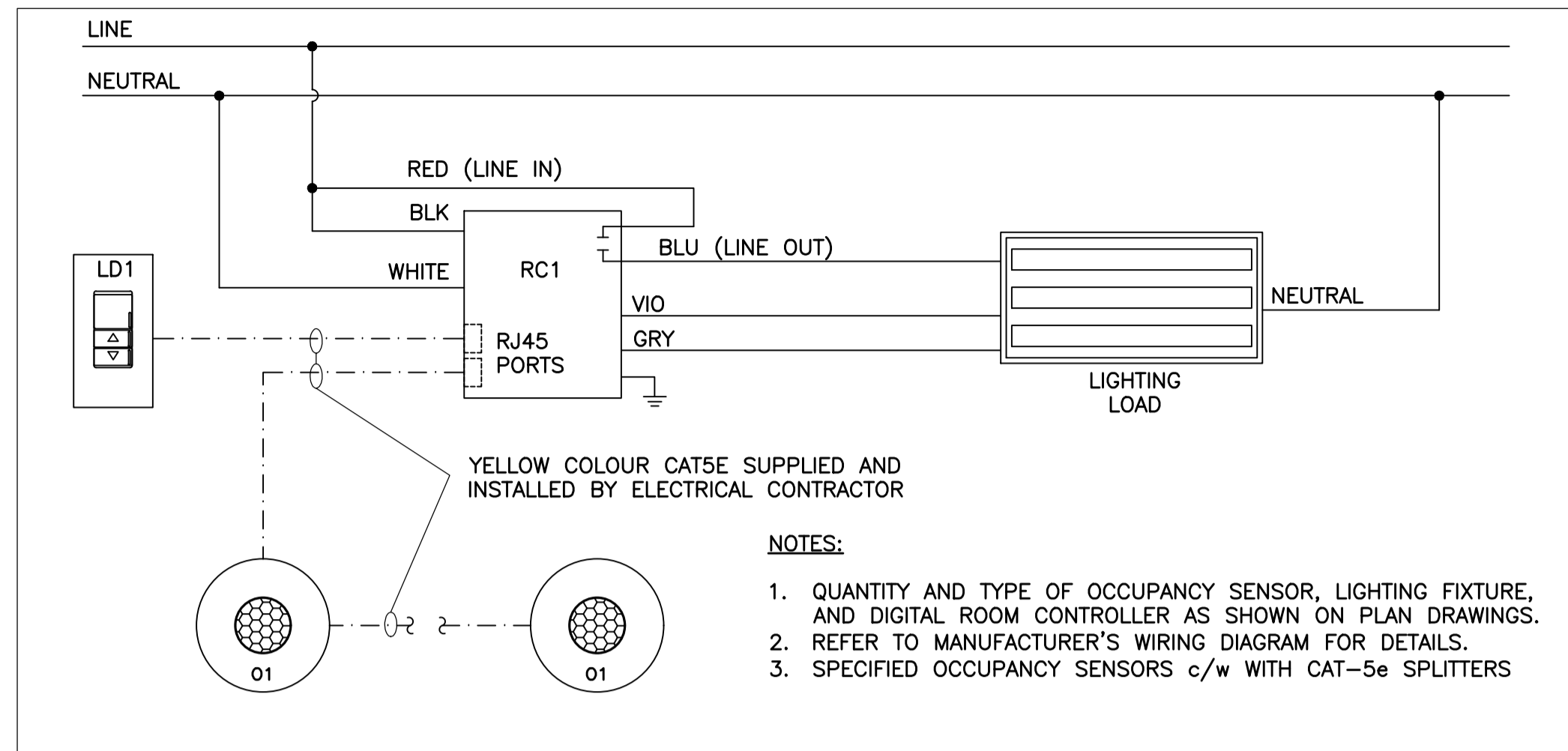
P. PUBLIC ADDRESS (PA) SYSTEMS

1. THE GENERAL CONTRACTOR TO CARRY CASH ALLOWANCE FOR A PA SYSTEMS CONTRACTOR. THE PA SYSTEMS CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING, MAKING ALL NECESSARY TERMINATIONS, TESTING AND SUPPLY AND INSTALLATION OF NEW EQUIPMENT.
2. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL COMPLETE RACEWAY (CONDUIT) SYSTEM c/w PULL STRING AND FIELD DEVICE BACK BOXES FOR PUBLIC ADDRESS/CCTV SYSTEM. COORDINATE ALL WORK WITH PA SYSTEMS CONTRACTOR AS REQUIRED TO COMPLETE THE INSTALLATION OF THE SYSTEM.
3. ALL PUBLIC ADDRESS CABLING TO BE INSTALLED IN 3/4" EMT CONDUIT FROM EACH SPEAKER TO ACCESSIBLE CEILING SPACE. IF SURFACE MOUNT IS REQUIRED BELOW THE CEILING THAN WIREMOLD AND WIREMOLD BOXES ARE TO BE USED. ALL PUBLIC ADDRESS CABLING IN EXPOSED CEILING SPACES TO BE INSTALLED IN EMT CONDUIT AND PULL BOXES AND SIZED ACCORDING TO NUMBER OF DATA CABLES LOCATED IN THAT SPACE. WHERE PUBLIC ADDRESS CABLING IS INSTALLED ABOVE DROPPED ACCESSIBLE CEILING SPACES THE ELECTRICAL CONTRACTOR IS TO PROVIDE 'J HOOKS' AS REQUIRED TO SUPPORT ALL PUBLIC ADDRESS CABLING. UNDER NO CIRCUMSTANCES SHOULD PUBLIC ADDRESS CABLING BE INSTALLED LOOSE OR ON TOP OF T-BAR CEILINGS.

O. EXECUTION

WIRES AND CABLES:

1. DO NOT PULL THE WIRES BEFORE THE ENTIRE CONDUIT SYSTEM IS COMPLETED AND CLEANED.
2. ENSURE THAT WIRES INSTALLED IN THE INTERIOR OF EQUIPMENT ARE NEATLY LACED WITH PLASTIC TIES AND GRASPED AND SECURED IN PLACE.
3. RUN POWER CONDUCTORS FULL LENGTH WITHOUT SPLICES OR TAPS FROM ORIGIN TO DESTINATION, UNLESS SPECIFICALLY CALLED FOR ON THE DRAWINGS.
4. IDENTIFY EACH CABLE AND WIRE AT BOTH ENDS WITH PROPER CABLE AND WIRE NUMBER AS SHOWN ON THE DRAWINGS AND CABLE SCHEDULES IN ALL CONTROL PANELS, CONTROL DEVICES, DISTRIBUTION PANELS, PULL AND JUNCTION BOXES, ETC., USING APPROVED CABLE AND WIRE MARKERS.
5. FOLLOW NORMAL RECOMMENDED PRACTICES WHEN INSTALLING CABLES IN CABLE TRAYS TO AVOID DAMAGE TO CABLE SHEATHS, CONDUCTORS OR INSULATION. ENSURE THAT CABLES ARE NOT DAMAGED BY EXCESSIVE TENSION WHEN PULLING. REPLACE ANY DAMAGED AND REJECTED CABLE WITHOUT COST TO THE OWNER.
6. USE SUITABLE NON-HARDENING CABLE LUBRICANTS, WHERE REQUIRED, WHICH DO NOT CONTAIN ANY MATERIALS SUCH AS OIL, GREASE OR OTHER COMPOUNDS HARMFUL TO RUBBER, PVC OR POLYETHYLENE.
7. MAKE SPLICES AND TAPS FOR CONTROL CONDUCTORS AT APPROVED TERMINAL BLOCKS IN JUNCTION BOXES.



- NOTES:
1. QUANTITY AND TYPE OF OCCUPANCY SENSOR, LIGHTING FIXTURE, AND DIGITAL ROOM CONTROLLER AS SHOWN ON PLAN DRAWINGS.
 2. REFER TO MANUFACTURER'S WIRING DIAGRAM FOR DETAILS.
 3. SPECIFIED OCCUPANCY SENSORS c/w WITH CAT-5e SPLITTERS

WIRING DIAGRAM FOR ROOM CONTROLLER WITH MULTIPLE OCCUPANCY SENSORS AND SWITCHES

ABBREVIATIONS	
ED	DENOTES EXISTING DEVICE TO BE DEMOLISHED INCLUDING WIRING/CONDUIT(S) STRIPPED BACK TO SOURCE
ER	DENOTES EXISTING DEVICE TO BE RELOCATED
EX	DENOTES EXISTING DEVICE TO REMAIN
REL	DENOTES EXISTING DEVICE AT RELOCATED LOCATION
TYP	DENOTES TYPICAL
WG	DENOTES WIRE GUARD SUITABLE FOR DEVICE SHOWN
TR	DENOTES TAMPER RESISTANT

LINE TYPES	
LINE TYPE	DESCRIPTION
-----	DENOTES LINE VOLTAGE WIRE
-----	DENOTES 0-10V DIMMING WIRE
-----	DENOTES CAT-5e CABLE
-----	DENOTES DEVICE TO BE DEMOLISHED OR RELOCATED
-----	DENOTES NEW OR RELOCATED DEVICE
-----	DENOTES EXISTING DEVICE TO REMAIN

CONTROL DEVICE SCHEDULE									
TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLTAGE AC (V)	VOLTAGE DC (VDC)	NO. OF RELAYS	EQUIVALENT ACCEPTED	COMMENTS	
OA			EXISTING ROOM CONTROL SYSTEM OCCUPANCY SENSOR						
OB			EXISTING LV CONTROL SYSTEM OCCUPANCY SENSOR						
PPA			EXISTING OCCUPANCY SENSOR POWER PACK						
O1	ACUITY BRANDS	nCM-PDT-10-RJB	DIGITAL DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR		15		YES		
LD1	ACUITY BRANDS	nPODMA-DX-WH	DIGITAL 0-10V DIMMING SWITCH		15		YES		
RC1	ACUITY BRANDS	nPP16 D EFP	DIGITAL ROOM CONTROLLER WITH 0-10V DIMMING	120	15	1	YES		

GENERAL LIGHTING SCHEDULE																
TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLTAGE (V)	WATTS (W)	LUMENS	EFFICACY (LUMENS/W)	0-10V DIMMING	DLC	LISTING REQUIRED	DISTR. TYPE	COLOUR TEMP(K)	CRI	MOUNTING	EQUIVALENT ACCEPTED	COMMENTS
LA			EXISTING 4'x4" RECESSED LED FIXTURE													
LB			EXISTING 2'x4" RECESSED LED FIXTURE													
LC	NEO RAY		EXISTING 12'x4" SUSPENDED LED FIXTURE													
L1	MARK LIGHTING	SL4L-LOP-4FT-FLP-FL-80CRI-40K-800LMF-MIN1-120-ZT	4'x4" RECESSED LED FIXTURE	120	32	2936	93	YES				4000	80	RECESSED	YES	
L2	NEO RAY	S124DIP-C1020D810U840-C4JB12FO-1-UDD-F-W	12'x4" SUSPENDED LIGHT FIXTURE	120	106	DOWN:12362 UP:10180	115	YES				4000	80	SUSPENDED	NO	MOUNTING HEIGHT = 2800mm AFF. CATALOGUE NUMBER IS CONFIRMED TO MATCH EXISTING.

EMERGENCY LIGHTING SCHEDULE										
TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLTAGE AC (VAC)	VOLTAGE DC (VDC)	LAMP BASE	LAMP TYPE	LAMP WATTS	EQUIVALENT ACCEPTED	COMMENTS
EMA			EXISTING EXIT SIGN							
RA			EXISTING DOUBLE REMOTE DC HEADS							
BU1	STANPRO	SLA12072-2N5LJWH	72W BATTERY UNIT WITH TWO DC HEADS	120	12		LED	5x2	YES	

OCCUPANCY SENSOR TIME SETTING		
ROOM DESCRIPTION	TIME SETTING (MINUTES)	SWITCHING CONTROL
LEARNING AREAS	10	MANUAL ON/AUTO OFF

POWER AND SYSTEMS SCHEDULE								
TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLTAGE (V)	AMPS (A)	WATTS (W)	PHASE	COMMENTS
HD1	WORLD DRYER	SLIMdri L-972	POLISHED STAINLESS STEEL HAND DRYER	120		950	1	SURFACE MOUNTED

NO. DESCRIPTION DATE

B ISSUED FOR TENDER 2024.05.17
A ISSUED FOR PERMIT 2024.04.26

REVISIONS:

EASTDALE ELEMENTARY SCHOOL RENOVATION PROJECT
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ISSUED FOR CONSTRUCTION DATE: N/A
STRUCTURAL CONSULTANT: N/A
MECHANICAL CONSULTANT: CK ENGINEERING
ELECTRICAL CONSULTANT: CK ENGINEERING

SHEET TITLE: SPECIFICATIONS AND SCHEDULES

SHEET NO. E0.02 DESIGN BY SA CHECKED JS PROJECT NO. 24021 SCALE: AS NOTED

EXISTING

PANEL ID: P1A-TUB 1 MOUNTING: SURFACE LOCATION: GROUND FLOOR ELEC. ROOM PANEL MAINS: 225 A VOLTAGE: 120/208V MAIN BREAKER: X A PHASE/WIRE: 3PH/4W FED FROM: DP-BB KAIC RATING: 10 KAIC

PANEL ID: P1A-TUB 2 MOUNTING: SURFACE LOCATION: GROUND FLOOR ELEC. ROOM PANEL MAINS: 225 A VOLTAGE: 120/208V MAIN BREAKER: X A PHASE/WIRE: 3PH/4W FED FROM: DP-BB KAIC RATING: 10 KAIC

PANEL ID: P1A-TUB 3 MOUNTING: SURFACE LOCATION: GROUND FLOOR ELEC. ROOM PANEL MAINS: 225 A VOLTAGE: 120/208V MAIN BREAKER: X A PHASE/WIRE: 3PH/4W FED FROM: DP-BB KAIC RATING: 10 KAIC

PANEL ID: P1A-TUB 2 MOUNTING: SURFACE LOCATION: GROUND FLOOR ELEC. ROOM PANEL MAINS: 225 A VOLTAGE: 120/208V MAIN BREAKER: X A PHASE/WIRE: 3PH/4W FED FROM: DP-BB KAIC RATING: 10 KAIC

GENERAL LIGHTING SYMBOL DESCRIPTION 2'x4' (610mmx1220mm) LIGHT FIXTURE. 'X' DENOTES TYPE CEILING MOUNTED LINEAR LIGHT FIXTURE. 'X' DENOTES TYPE

EMERGENCY LIGHTING SYMBOL DESCRIPTION WALL MOUNTED EMERGENCY LIGHTING DOUBLE REMOTE DC HEADS. 'X' DENOTES TYPE CEILING MOUNTED EMERGENCY LIGHTING DOUBLE REMOTE DC HEADS. 'X' DENOTES TYPE EMERGENCY WALL MOUNTED RUNNING MAN OR EXIT SIGN. ARROW DENOTES DIRECTION OF EXIT. HATCHED AREA DENOTES ILLUMINATED FACE(S). 'X' DENOTES TYPE EMERGENCY BATTERY UNIT WITH TWO DC HEADS. 'X' DENOTES TYPE

POWER AND SYSTEMS SYMBOL DESCRIPTION 120VAC, 15 AMP DUPLEX RECEPTACLE 120VAC, 20 AMP T-SLOT DUPLEX RECEPTACLE 120VAC, 15 AMP DUPLEX GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE 120VAC, 20 AMP T-SLOT DUPLEX GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE HARD WIRED POWER CONNECTION RATED PER EQUIPMENT SPECIFICATION HAND DRYER. 'X' DENOTES TYPE SURFACE MOUNTED ELECTRICAL PANEL BOARD RECESSED ELECTRICAL PANEL BOARD WALL MOUNTED CLOCK. 'X' DENOTES TYPE CEILING MOUNTED PUBLIC ADDRESS SPEAKER

CONTROL DEVICE SYMBOL DESCRIPTION 120V OR 347V SINGLE GANG, SINGLE POLE SWITCH, UNLESS NOTED WITH CONTROL DEVICE TYPE DESIGNATION LETTER. 'X' DENOTES CONTROL DEVICE TYPE CEILING MOUNTED VACANCY/OCCUPANCY SENSOR. 'X' DENOTES CONTROL DEVICE TYPE POWER PACK. 'X' DENOTES CONTROL DEVICE TYPE ROOM CONTROLLER. 'X' DENOTES CONTROL DEVICE TYPE

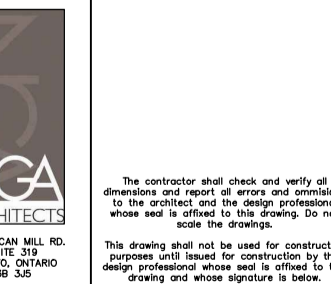
DRAWING KEYNOTES: SUPPLY AND INSTALL NEW CIRCUIT BREAKER(S) IN EXISTING ELECTRICAL PANEL SPACE FOR NEW ELECTRICAL LOADS.

FIRE ALARM SYSTEMS SYMBOL DESCRIPTION FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR FIRE ALARM PULL STATION WALL MOUNTED FIRE ALARM HORN STROBE COMBO

Table with columns: NO., DESCRIPTION, DATE. Includes revision log with dates 2024.05.17 and 2024.04.26.



EASTDALE ELEMENTARY SCHOOL RENOVATION PROJECT 99 Lincoln Rd, Stony Creek, ON L8E 1Z4



STRUCTURAL CONSULTANT N/A MECHANICAL CONSULTANT CK ENGINEERING ELECTRICAL CONSULTANT CK ENGINEERING

SHEET TITLE LEGENDS, DETAILS AND PANEL SCHEDULES SHEET

SHEET NO. E0.03 DRAWN BY SA PROJECT NO. 24021 CHECKED JS SCALE AS NOTED

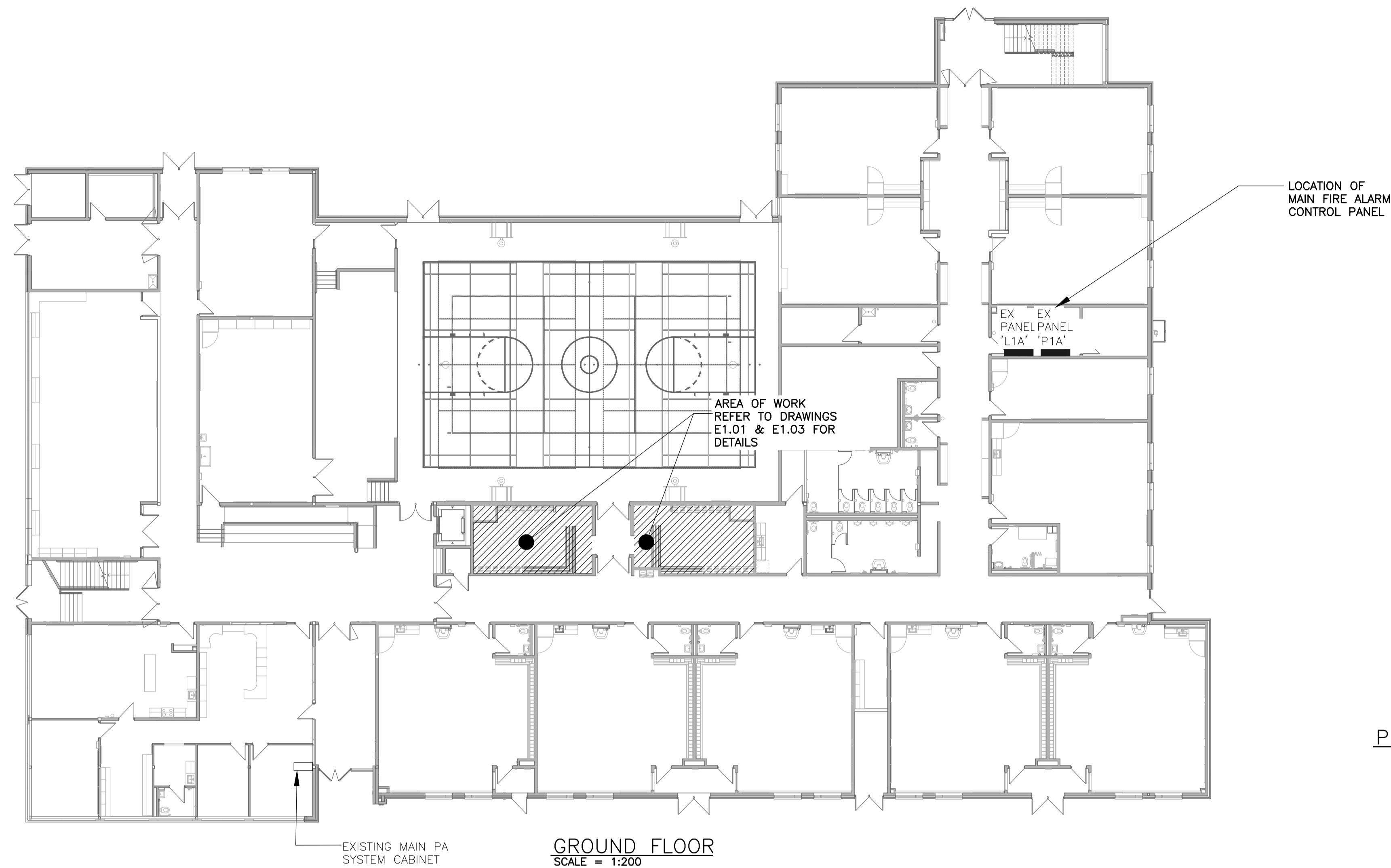
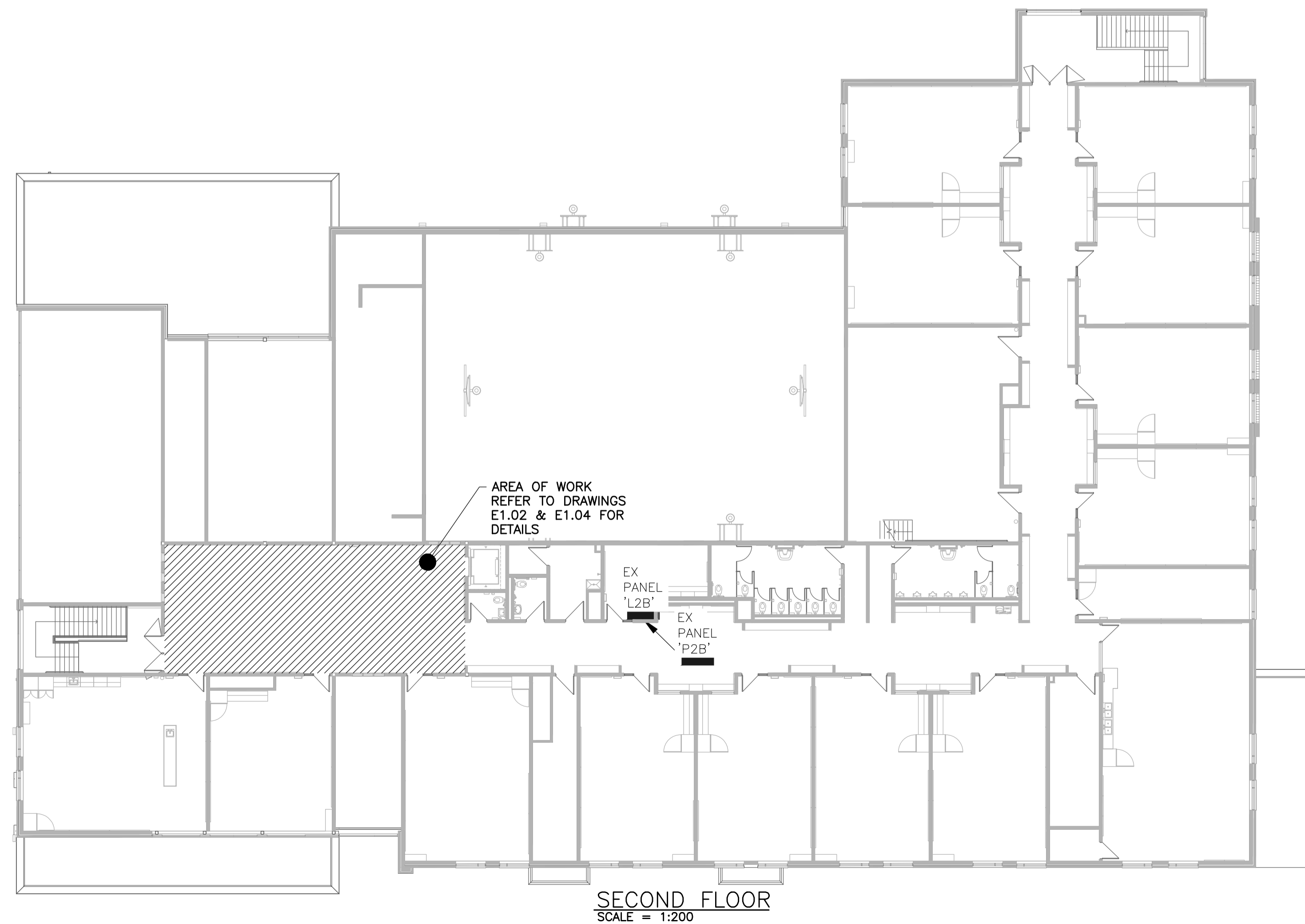
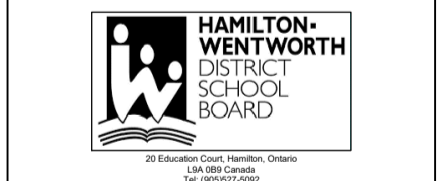


PHOTO – MAIN FIRE ALARM CONTROL PANEL (SIMPLEX 4100 ES)



NO.	DESCRIPTION	DATE
B ISSUED FOR TENDER		2024.05.17
A ISSUED FOR PERMIT		2024.04.26



EASTDALE
ELEMENTARY SCHOOL
 RENOVATION PROJECT
 99 Lincoln Rd, Stoney Creek,
 ON L8E 1Z4

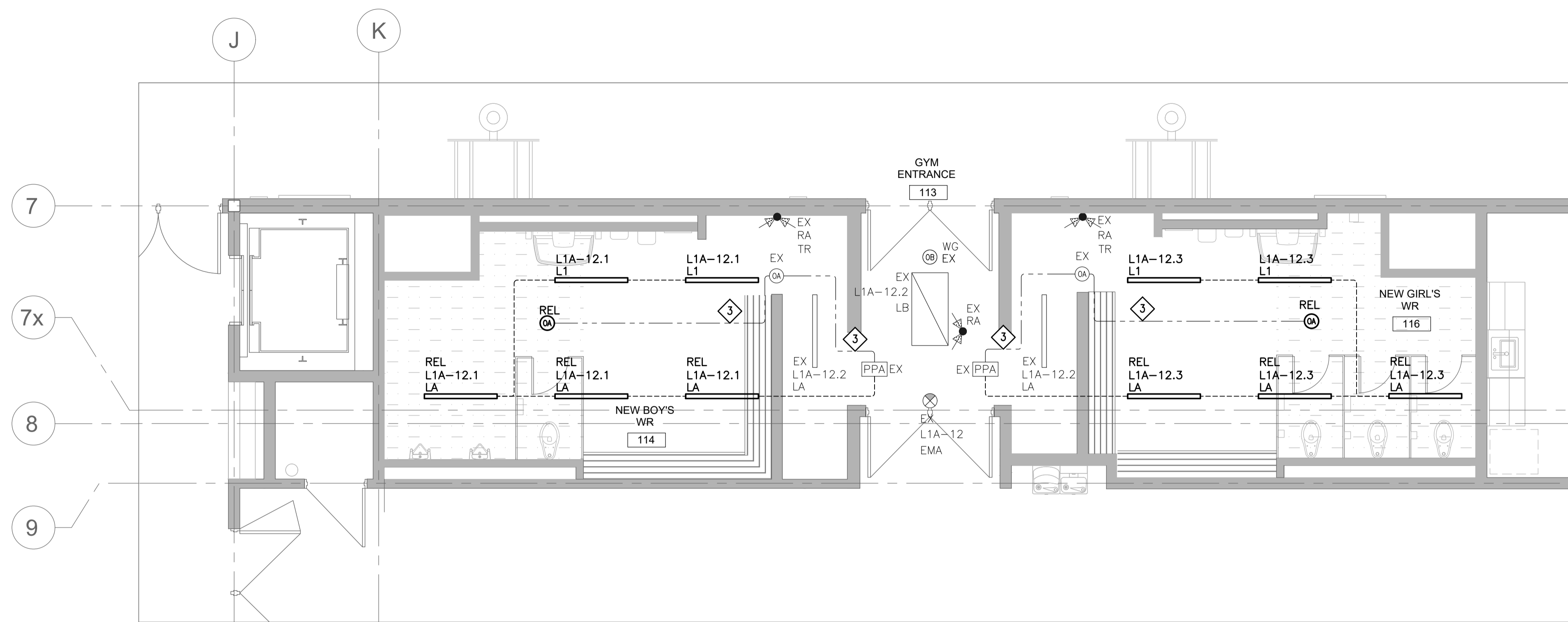
NGA
 ARCHITECTS
200 BLOOR ST. W. TORONTO, ONT. M5G 1B9
TEL: 416 593 8822 FAX: 416 593 8820
www.nga.com

The contractor shall check and verify all drawings and report the results and observations to the architect and retain the drawings as not used for construction and shall be approved by the owner and other signatories to be taken.

ISSUED FOR CONSTRUCTION	DATE
STRUCTURAL CONSULTANT	N/A
MECHANICAL CONSULTANT	CK ENGINEERING
ELECTRICAL CONSULTANT	CK ENGINEERING

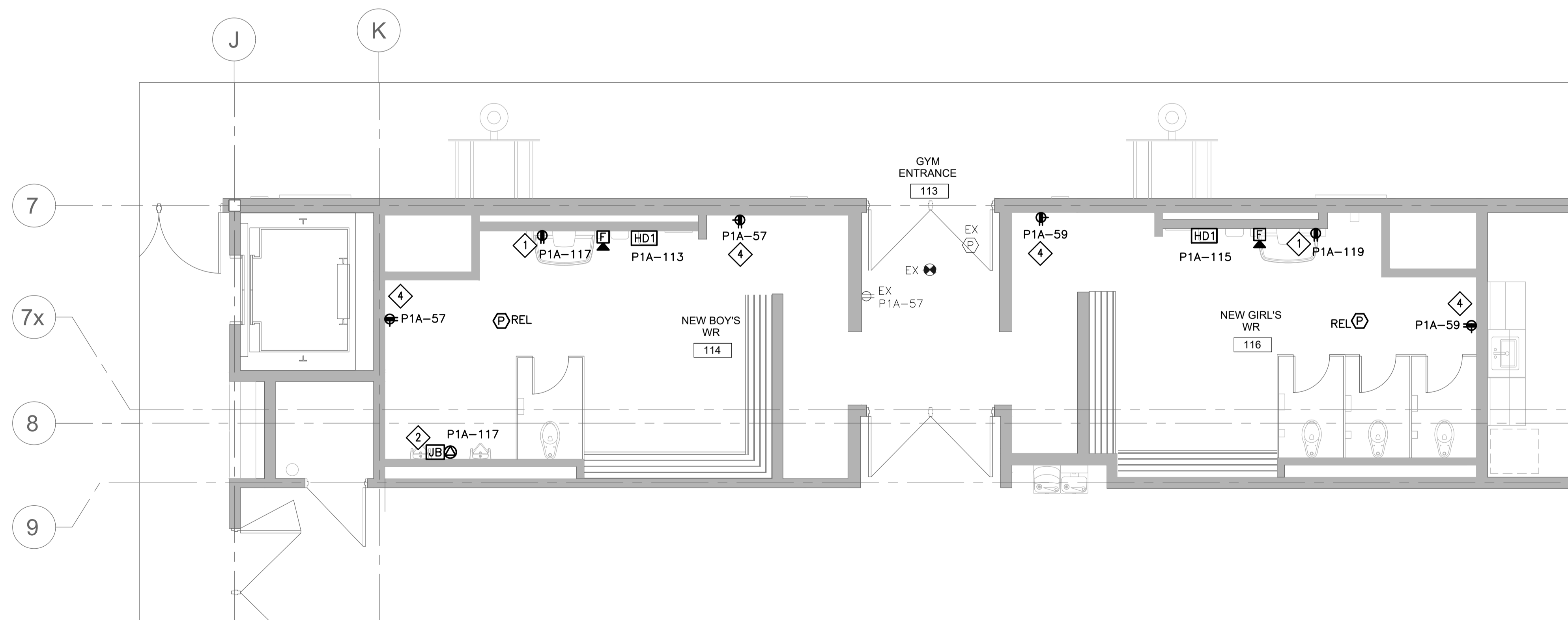
ELECTRICAL KEYPLAN

SHEET NO. E0.10	DRAWN BY SA	CHECKED JS
PROJECT NO. 24021	SCALE AS NOTED	



LIGHTING AND EMERGENCY LIGHTING NEW
SCALE = 1:50

- DRAWING KEYNOTES:**
- 1 CONTRACTOR TO REFER MANUFACTURERS CATALOGUE FOR THE LOCATION OF THE RECEPTACLE.
 - 2 WIRE POWER TO FLUSH SENSOR TRANSFORMER (SUPPLIED BY MECHANICAL) IN ACCESSIBLE CEILING SPACE. LOW VOLTAGE WIRING TO SENSORS INSTALLED IN RECESSED CONDUIT.
 - 3 CONTRACTOR TO FIELD VERIFY THE EXISTING LOW VOLTAGE WIRING AND USE THE SAME TYPE IN NEW INSTALLATION.
 - 4 EXISTING RECEPTACLES TO BE REPLACED BY GFCI RECEPTACLES.



POWER AND SYSTEMS NEW
SCALE = 1:50

NO.	DESCRIPTION	DATE

B	ISSUED FOR TENDER	2024.05.17
A	ISSUED FOR PERMIT	2024.04.26

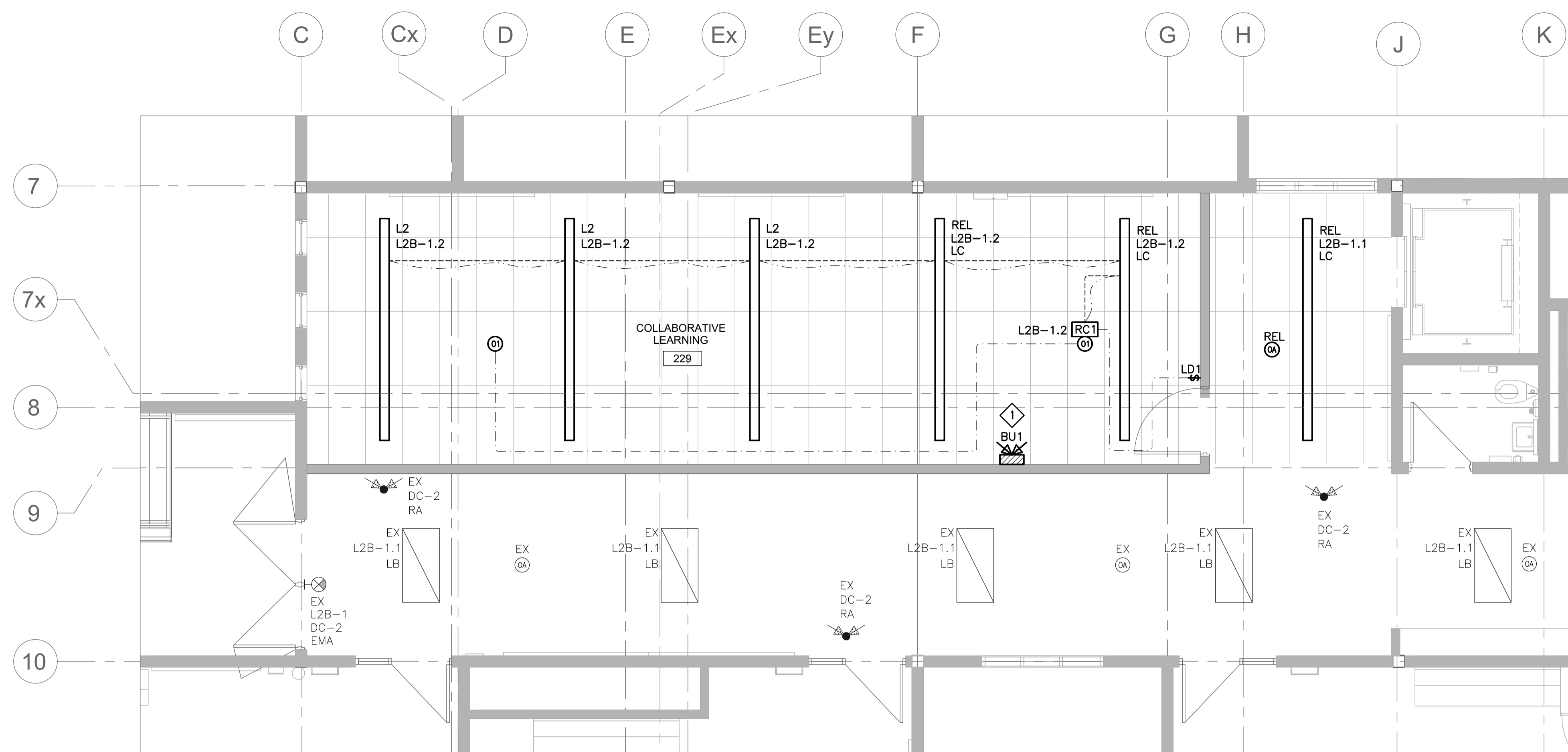


**EASTDALE
ELEMENTARY SCHOOL
RENOVATION PROJECT**
99 Lincoln Rd. Stony Creek,
ON L8E 1Z4

NCA
ARCHITECTS
209 BROADVIEW AVE. #100
TORONTO, ONTARIO
M5S 1W5
TEL: 416 593 8833
WWW.NCA.COM

ISSUED FOR CONSTRUCTION	DATE
STRUCTURAL CONSULTANT	N/A
MECHANICAL CONSULTANT	CK ENGINEERING
ELECTRICAL CONSULTANT	CK ENGINEERING

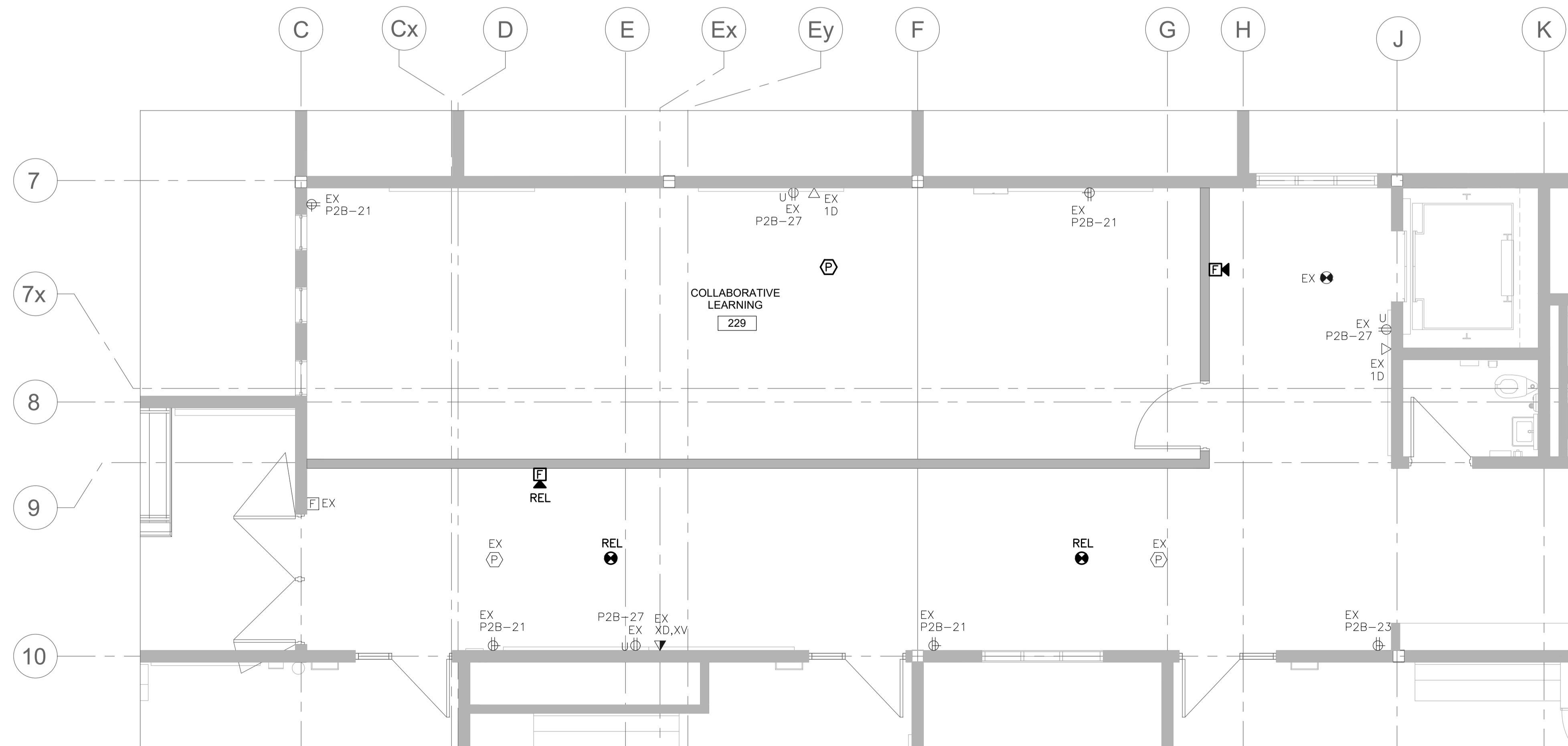
SHEET TITLE		
GROUND FLOOR ELECTRICAL NEW		
SHEET NO.	DRAWN BY	CHECKED
E1.03	SA	JIS
PROJECT NO.	SCALE	
24021	AS NOTED	



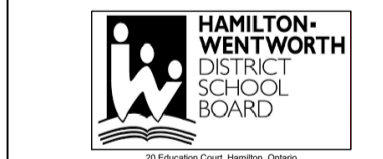

LIGHTING AND EMERGENCY LIGHTING NEW
SCALE = 1:50

DRAWING KEYNOTES:

◆ WIRE A BRANCH CIRCUIT FROM PANEL L2B FOR THE NEW BATTERY UNIT.



POWER AND SYSTEMS NEW
SCALE = 1:50

NO.	DESCRIPTION	DATE
B ISSUED FOR TENDER		2024.05.17
A ISSUED FOR PERMIT		2024.04.26
REVISIONS		
		
EASTDALE ELEMENTARY SCHOOL RENOVATION PROJECT 99 Lincoln Rd, Stoney Creek, ON L8E 1Z4		
		
<small>The contractor shall check and verify all dimensions and notes on plans and elevations and shall be advised of any errors or omissions within 10 days of the date of the drawing. Do not rely on the drawing.</small>		
ISSUED FOR CONSTRUCTION	DATE	
STRUCTURAL CONSULTANT	N/A	
MECHANICAL CONSULTANT	CK ENGINEERING	
ELECTRICAL CONSULTANT	CK ENGINEERING	
SHEET TITLE		
SECOND FLOOR ELECTRICAL NEW		
SHEET NO.	DRAWN BY	CHECKED
E1.04	SA	JIS
PROJECT NO.		DATE
24021		
SCALE		AS NOTED