

1 SITE PLAN
MO.01 N.T.S.

AREA OF WORK

LEGEND	
	EXISTING EQUIPMENT
	NEW EQUIPMENT
	EXISTING EQUIPMENT TO BE REMOVED / DEMOLISHED
	EQUIPMENT CONNECTION
	FUSED DISCONNECT SWITCH
	WIRELESS ACCESS POINT
	FREE STAND PANEL
	VARIABLE FREQUENCY DRIVE
	SURFACE MOUNTED POWER PANEL
	TRANSFORMER
	UNFUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	COMBINATION MOTOR STARTER C/W HOA FUNCTION & PILOT LIGHTS
	SPLITTER
	TRANSFORMER
	DUCT SMOKE DETECTOR
	RELAY MODULE
	ELECTRICAL POWER PANEL
	CEILING MOUNTED SINGLE FACE COMPACT EMERGENCY LIGHTING REMOTE HEADS & RUNNING MAN EXIT SIGN C/W BATTERY, STRAIGHT FROM HERE. FACE ON SHADED SIDES. ARROWS AS INDICATED
	CEILING MOUNTED DOUBLE FACE COMPACT EMERGENCY LIGHTING REMOTE HEADS & RUNNING MAN EXIT SIGN C/W BATTERY UP FROM HERE. FACE ON SHADED SIDES
	EMERGENCY LIGHTING C/W BATTERY UNIT, RECHARGEABLE, 90min
	EMERGENCY LIGHTING REMOTE HEADS
	3 GANG, 3 WAY SWITCH
	2 GANG SWITCH
	3 GANG SWITCH
	EXISTING EXIT SIGN
	OCCUPANCY SENSOR
	SMOKE DETECTOR

DRAWING LIST	
E0.01	COVER PAGE
E1.01	KEYPLAN - FIRST FLOOR
E1.02	FIRST FLOOR POWER LAYOUT
E1.03	FIRST FLOOR LIGHTING LAYOUT A - DEMOLITION
E1.04	FIRST FLOOR LIGHTING LAYOUT B - DEMOLITION
E1.05	FIRST FLOOR LIGHTING LAYOUT A - NEW CONSTRUCTION
E1.06	FIRST FLOOR LIGHTING LAYOUT B - NEW CONSTRUCTION
E2.01	KEYPLAN - SECOND FLOOR
E2.02	SECOND FLOOR POWER LAYOUT

ABBREVIATIONS	
CTE	CONNECT TO EXISTING
EX	EXISTING DEVICE TO REMAIN
RE	REMOVE AND REINSTALL EXISTING DEVICE
RP	REPLACE EXISTING DEVICE WITH NEW DEVICE
R/R	REUSE AND RELOCATE
ER	EXISTING DEVICE TO REMOVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
CM	CEILING MOUNTED
WM	WALL MOUNTED
FM	FLOOR MOUNTED
EM	EMERGENCY
SLD	SINGLE LINE DIAGRAM

2	RE-ISSUED FOR TENDER	2025-02-05
1	ISSUED FOR TENDER	2025-01-21
0	ISSUED FOR PERMIT	2024-12-02
A	ISSUED FOR 33%	2024-08-06
No	Revisions	Date

Orientation	Seal

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A	A Detail No
B	B Sheet No where detailed



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Ministry PSF Number

Project
HOLBROOK ELEMENTARY SCHOOL
GYM RENOVATION

Location
450 SANATORIUM ROAD
HAMILTON, ONTARIO
IO Project No P2024-2081 Site No Building No

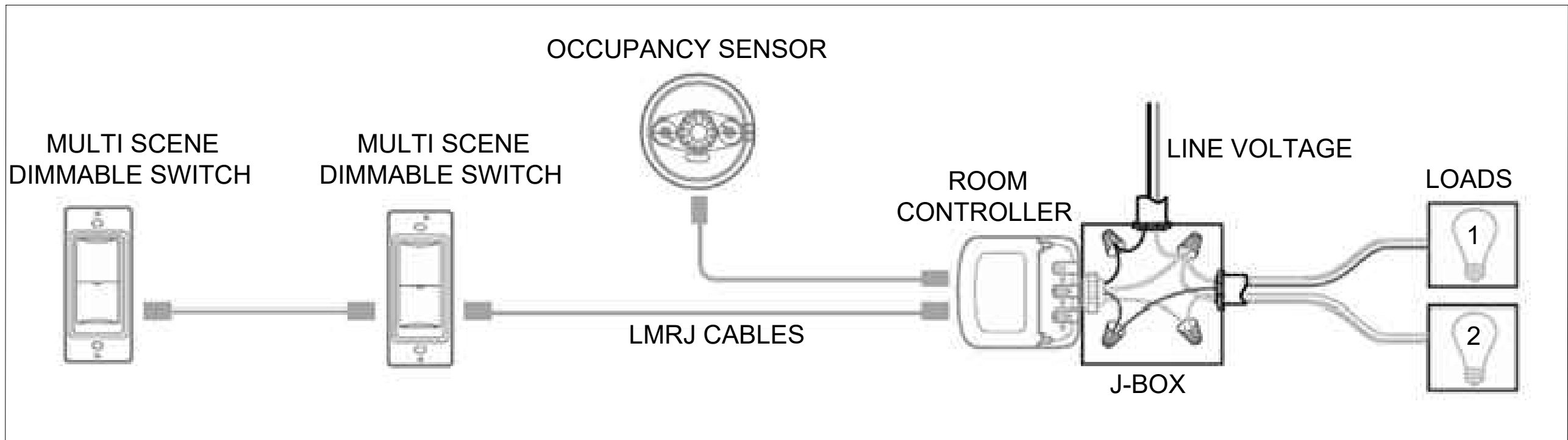
Client
HAMILTON-WENWORTH DISTRICT S.B

Drawing Title

COVER PAGE

Scale N.T.S.	Project Start Date
Drawn by ML	Substantial Performance Date
Designed by FZ	Drawing No E0.01 of
Approved by FZ	Floor No
CADD File NAME	

Luminaire Schedule							
Symbol	Qty	AREA	Lumens	Watts	Description	[MANUFAC]	TEMPERATURE
	52	CLASSROOM	3820	27	2FGXG38L840-4-RS-UNV	SIGNIFY by DAY-BRITE	4000K
	30	GYM	8318	54	FLP480LHE840-R-UNV-DIM	SIGNIFY by DAY-BRITE	4000K
	11	STAFF ROOM	3042	21	1FGXG30L840-4-RS-UNV-DIM	SIGNIFY by DAY-BRITE	4000K
	05	STORAGE ROOM	3084	20	FLP430L840-R-UNV-DIM	SIGNIFY by DAY-BRITE	4000K



TYPICAL LIGHTING CONTROL SCHEMATIC USING SWITCHES, MOTION SENSOR, AND ROOM CONTROLLER.

GENERAL NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC ONLY. PRIOR TO ANY ELECTRICAL ROUGH IN, VERIFY THE EXACT LOCATIONS OF NEW EQUIPMENT AND DEVICES AS INDICATED ON DRAWINGS. ELEVATIONS AND/OR DETAILS ON THE ELECTRICAL DRAWINGS, WHERE DETAILED INFORMATION IS NOT INDICATED ON THE DRAWINGS, VERIFY THE EXACT LOCATION ON THE SITE WITH THE DIRECTION FROM THE RESPECTIVE CONSULTANT OR THE OWNER'S REPRESENTATIVE.
- ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO THE DESIGNER FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
- DETAILS ON ELECTRICAL DRAWINGS ARE INTENDED TO BE FOR GENERAL ARRANGEMENT ONLY. DETAILS MAY DO NOT SHOW ALL COMPONENTS BUT ARE MERELY A GUIDE AS TO THE ORIENTATION OF EQUIPMENT THAT IS REQUIRED TO ASSIST THE INSTALLATION..
- THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DISRUPTION TO THE EXISTING SERVICES. THE EXISTING BUILDING MUST BE KEPT IN OPERATION AT ALL THE TIMES. ARRANGE WORK IN SUCH A MANNER THAT INTERRUPTIONS TO THE SERVICES OCCUR ONLY AT SCHEDULED TIMES. UNAVOIDABLE INTERRUPTIONS SHALL BE SCHEDULED WITH THE BOARD AT LEAST 48 HOURS IN ADVANCE. OVERTIME WORK THAT MAY BE REQUIRED TO TIE-IN SERVICES AT NIGHT OR ON WEEKENDS SHALL BE INCLUDED IN THE TENDER AMOUNT.
- ELECTRICAL CONTRACTOR SHALL APPLY & OBTAIN ALL NECESSARY PERMITS AND OBTAIN INSPECTION CERTIFICATE. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PAY ANY RELATED FEES.
- CARRY OUT CHANGES AS INDICATED TO THE DISTRIBUTION SYSTEM AS INDICATED ON THE DRAWINGS.
- PENETRATION THROUGH FLOORS, CEILINGS AND WALLS SHALL BE PACKED WITH GLASS FIBER FIRE RETARDANT INSULATION AND OR FIRE STOP CAULKING TO MAINTAIN FIRE RATING.
- GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ALL COORDINATION TO ACCESS THE SITE FOR DELIVERY AND REMOVAL OF GOODS WITH OWNER.
- ALL EXISTING MECHANICAL EQUIPMENT NOTED AS TO BE REMOVED HERE OR ON THE MECHANICAL DRAWINGS, SHALL BE DISCONNECTED AND ALL WIRING MADE SAFE.
- CONTRACTOR TO PERFORM SITE INSPECTION, INCLUDING CEILING SPACES DURING THE TENDER PERIOD AND ENSURE THAT ALL WORK THAT IS VISIBLE IS INCLUDED IN THE DEMOLITION CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTING AND REMOVING ALL ELECTRICAL EQUIPMENT FROM AREAS BEING ALTERED OR DEMOLISHED. WIRING, CONDUIT AND EQUIPMENT REQUIRED TO MAINTAIN SERVICE IN OTHER PARTS OF THE BUILDING SHALL BE TEMPORARILY SUPPORTED, REROUTED, SERVICED OR RELOCATED AS REQUIRED. OBSOLETE CONDUITS AND CABLES SHALL BE REMOVED. ALL EXISTING WIRING WHICH ARE NOT REMOVED SHALL BE DISCONNECTED, BLANKED-OFF AND MADE SAFE.
- THE CONTRACTOR SHALL REPLACE OR REPAIR ANY ITEMS WHICH ARE DAMAGED DUE TO THIS WORK AT NO EXTRA COST TO THE BUILDING OWNER.
- WORK PERFORMED SHALL BE IN CONFORMITY WITH ALL LAWS, BYLAWS, OR REGULATIONS OF THE MUNICIPAL, PROVINCIAL OR OTHER AUTHORITIES HAVING JURISDICTION. NOTHING CONTAINED IN THESE DRAWINGS SHALL BE CONSTRUCTED AS TO BE IN CONFLICT WITH ANY SUCH LAWS.
- ELECTRICAL CONTRACTOR MUST COORDINATE FOR THE CABLE ROUTING AND INSTALLATION OF CONDUIT FOR THE NEW EQUIPMENT.
- CONTRACTOR SHALL PROVIDE POWER TO THE NEW MECHANICAL EQUIPMENT AND BAS CONTROL EQUIPMENT INDICATED ON THE DRAWINGS. REFER TO MECHANICAL SCHEDULE FOR MORE DETAILS.
- DOCUMENT ALL FUSE SIZES, TYPES, WIRE AND CONDUIT SIZES.
- ALL JUNCTION BOXES ARE TO BE IDENTIFIED PER THE SPECIFICATION SECTION. ELECTRICAL CONTRACTOR SHALL ENSURE ACCESS TO ALL JUNCTION BOXES ARE NOT IMPEDED.
- ELECTRICAL CONTRACTOR SHALL TAKE NOTE OF THE DRAWING SCALES AND GOVERN HIMSELF ACCORDINGLY. ALSO COORDINATE ALL DIMENSIONS WITH EQUIPMENT SHOP DRAWINGS.
- ALL NEW WALL MOUNTED ELECTRICAL PANELS TO BE PROVIDED WITH THE FIRE RETARDANT BACK BOARDS.
- ALL WORKS SHALL BE SCHEDULED AND COORDINATED

TO AVOID ANY CONFLICTS WITH OTHER TRADES DURING OR AFTER CONSTRUCTION.

21.ELECTRICAL CONTRACTOR TO INCLUDE SCANNING FOR ALL CORE DRILLING AND TO BE CARRIED OUT AFTER HOURS. PRIOR PERMISSION TO BE OBTAINED.

22.OUTDOOR MATERIAL TO BE WEATHERPROOF

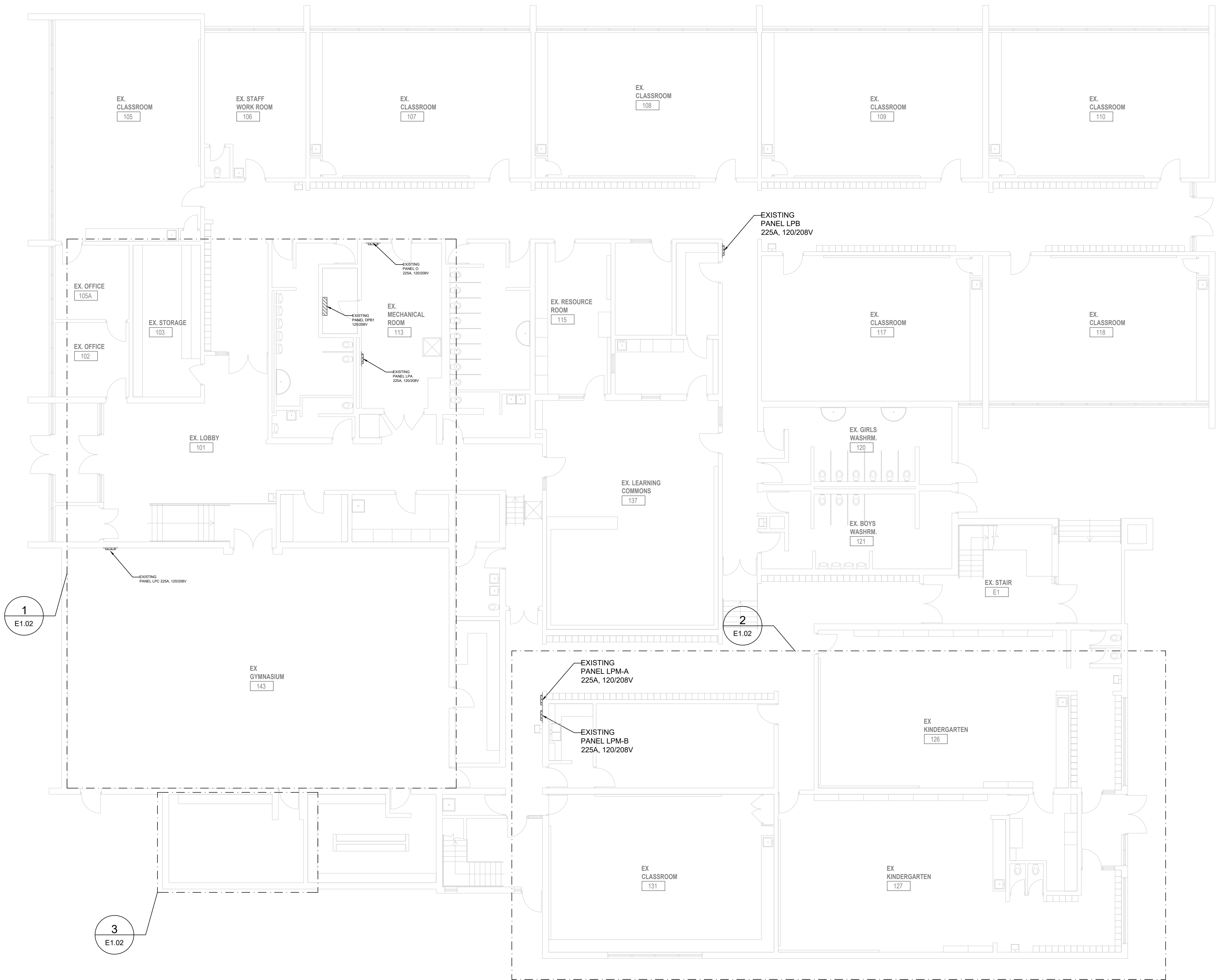
23.CONTRACTOR TO CARRY COST FOR ANY ADDITIONAL STRUCTURAL SUPPORTS FOR INSTALLING NEW ELECTRICAL EQUIPMENT INCLUDING NOT LIMITED TO DISCONNECT SWITCHES, BOXES, VFDs, SPLITTERS, PANELS AND ETC.

24.EXACT LOCATION OF THE NEW ELECTRICAL EQUIPMENT TO BE DEFINED ON-SITE. CONTRACTOR TO COORDINATE WITH OTHER TRADES FOR THE EXACT LOCATION BEFORE COMMENCING THE WORK AND CARRY COST FOR ANY RELOCATIONS TO EXISTING EQUIPMENT FOR INSTALLING NEW ELECTRICAL EQUIPMENT.

25.CONTRACTOR TO REPLACE AND UPDATE AFFECTED PANELS DIRECTORY WITH TYPED DIRECTORY/SCHEDULE TO REFLECT CHANGE.

26.CONTRACTOR TO CARRY ADDITIONAL COSTS TO RE-INSTATE THE FIRE ALARM, FIRE SUPPRESSION, PA SPEAKERS, WAP, ETC DUE TO CONSTRUCTION ACTIVITY WITHIN THIS PROJECT SCOPE. COORDINATE WITH MECHANICAL AND GENERAL CONTRACTOR FOR THE EXACT SCOPE OF THE WORK.

27.ALL LIGHTING FIXTURES, DIMMABLE KEYPAD SWITCHES AND OCCUPANCY SENSORS TO BE COMPATIBLE TO IMPLEMENT THE LIGHTING SEQUENCE. COORDINATE WITH HWDSB FOR THE SCENE SELECTION.



1
E1.01
KEYPLAN
1:100

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A	ISSUED FOR 33%	2024-08-16
No	Revisions	Date

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Ministry PSF Number

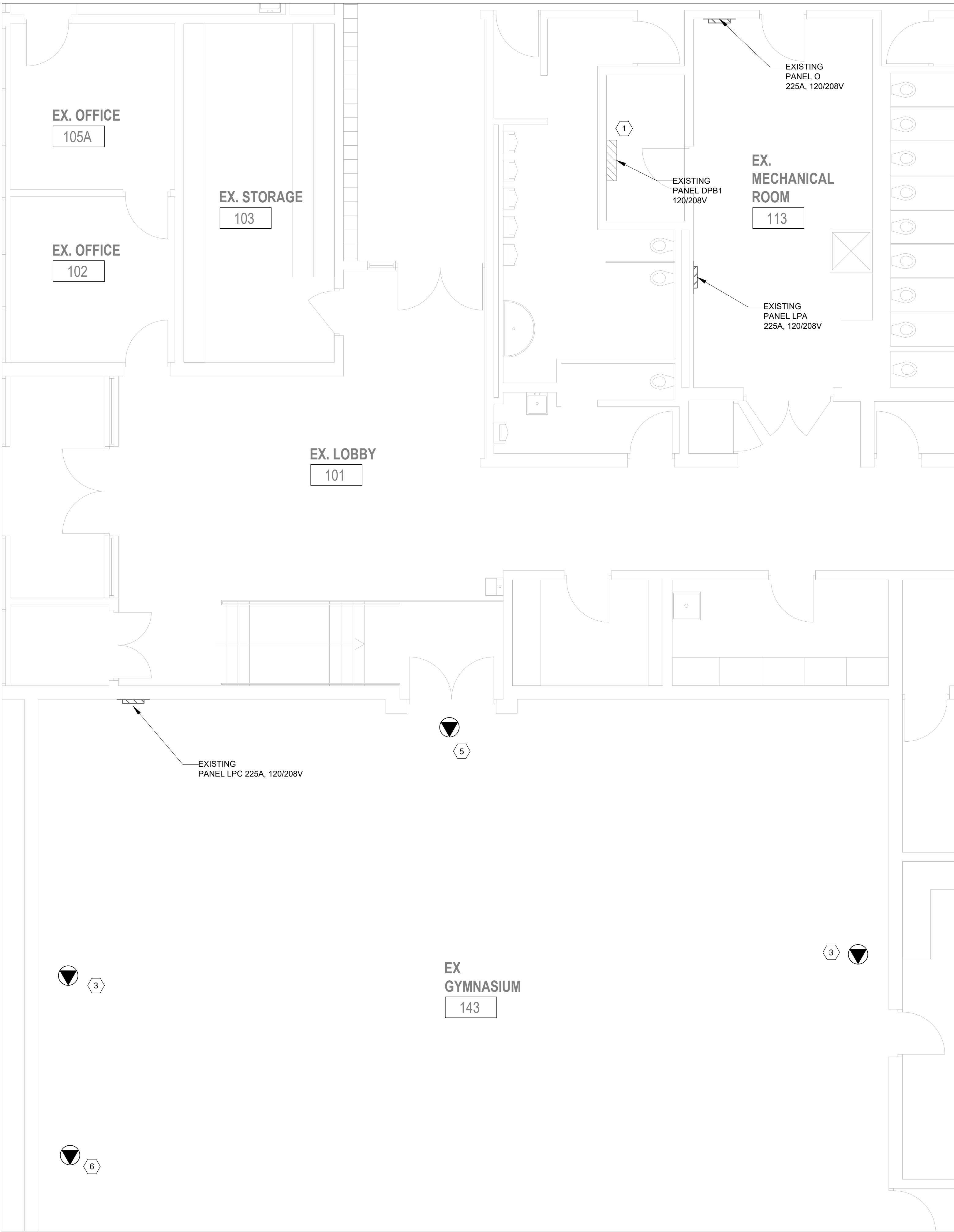
Project:
**HOLBROOK ELEMENTARY SCHOOL
GYM RENOVATION**

Location:
**450 SANITORIUM ROAD
HAMILTON, ONTARIO**
IO Project No: **P2024-2081** Site No: Building No:

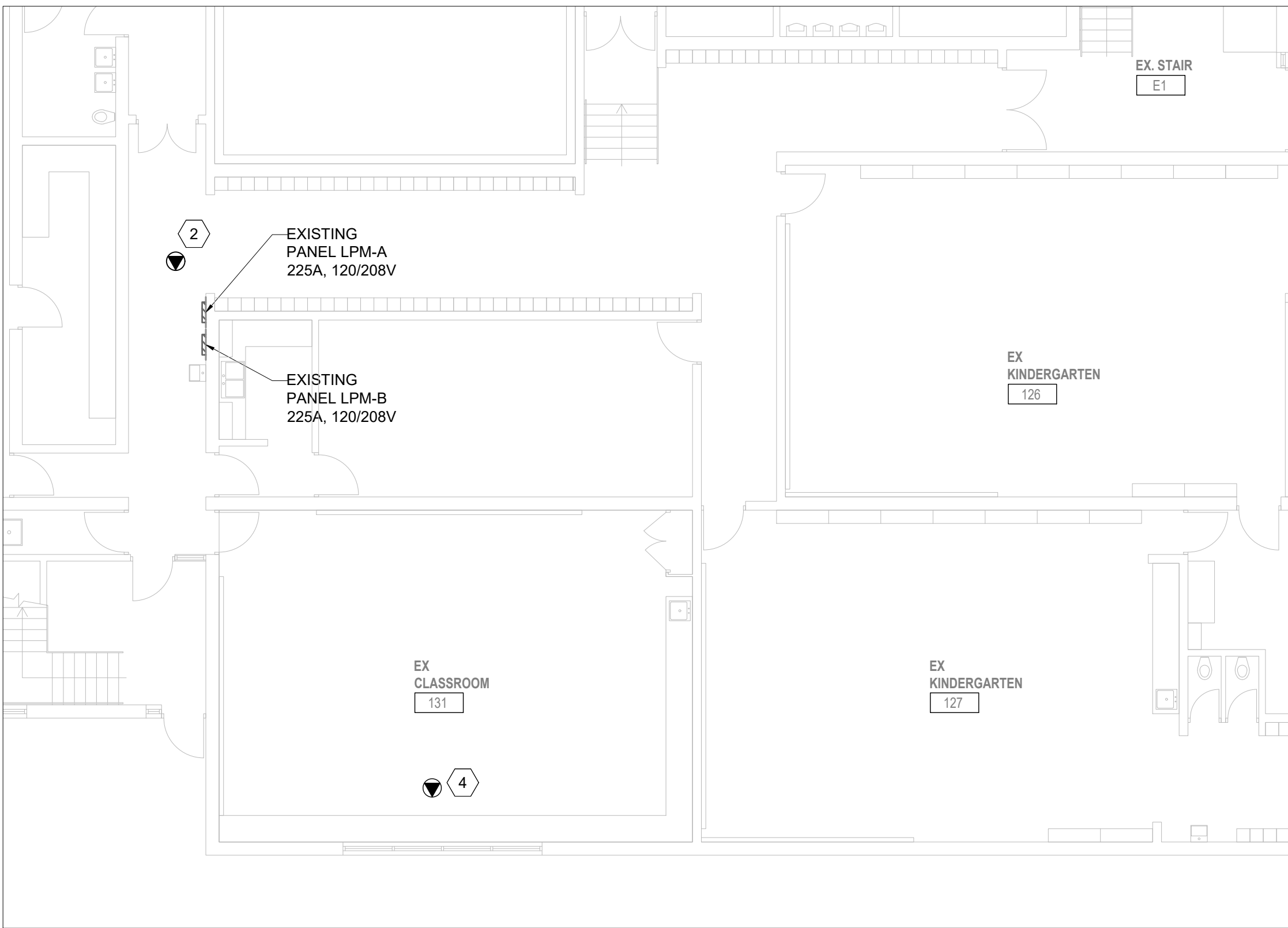
Client:
HAMILTON-WENWORTH DISTRICT S.B.

Drawing Title:
**KEYPLAN
FIRST FLOOR**

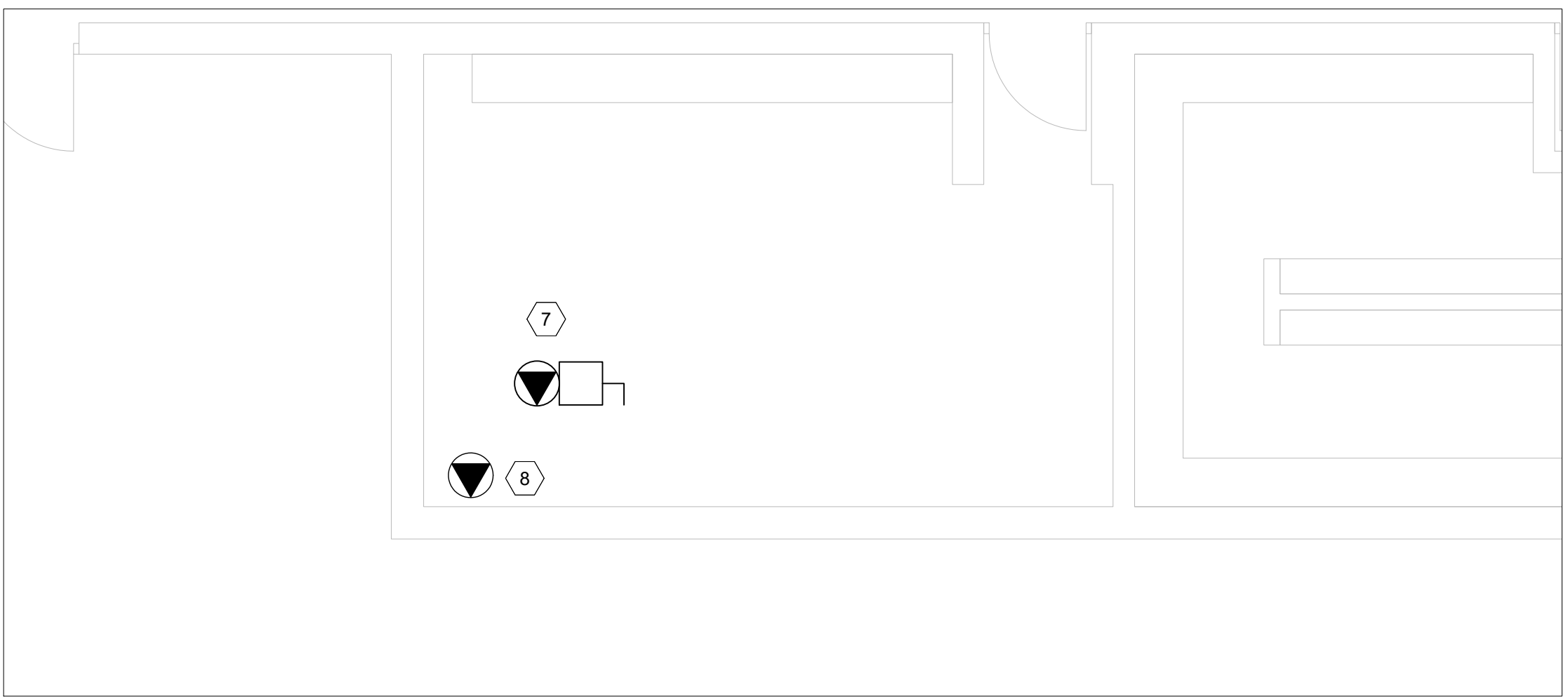
Scale 1:100	Project Start Date
Drawn by ML	Substantial Performance Date
Designed by FZ	Drawing No E1.01 of
Approved by FZ	Floor No
CADD File NAME	



1 FIRST FLOOR - GYMNASIUM
E1.02 1:50



2 FIRST FLOOR - CLASSROOMS
E1.02 1:100



3 FIRST FLOOR - STORAGE ROOM
E1.02 1:50

- DEMOLITION & NEW CONSTRUCTION NOTES:**
- SUPPLY AND INSTALL TWO NEW 100A BREAKERS IN MAIN DISTRIBUTION PANEL DP-B1 LOCATED IN THE MAIN ELECTRICAL ROOM TO FEED RTU UNITS ON THE ROOF.
 - SUPPLY AND INSTALL NEW 20A BREAKER IN PANEL LP-M TO FEED NEW PUMP P-1. REFER TO MECHANICAL DRAWINGS AND COORDINATE WITH MECHANICAL TRADE FOR EXACT LOCATION. CONTRACTOR TO INCLUDE COSTING AS A SEPARATE PRICE IN CONJUNCTION WITH MECHANICAL.
 - SUPPLY AND INSTALL NEW 20A-1P BREAKER IN PANEL LP-C TO FEED NEW BASKETBALL BACKBOARD MOTORS. WIRING TO BE #12AWG+G. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
 - REMOVE AND DEMOLISH EXISTING UNIT VENTILATOR TO UPSTREAM PANEL AND UPDATE THE PANEL SCHEDULE WITH THE SPARE BREAKER. CONTRACTOR TO INCLUDE COSTING AS A SEPARATE PRICE IN CONJUNCTION WITH MECHANICAL.
 - SUPPLY AND INSTALL NEW CLOCK, C/W POWER AND CONTROL WIRING TO CONNECT TO EXISTING CLOCK SYSTEM. THE CLOCK PROCUREMENT TO BE AS PART OF THE CASH ALLOWANCE.
 - SUPPLY AND INSTALL NEW MOTORIZED PROJECTOR C/W POWER AND LOW VOLTAGE WIRING.
 - SUPPLY AND INSTALL NEW UNFUSED DISCONNECT SWITCH F.F. PANEL LP-C WITH NEW 15A-1P BREAKER C/W WIRING, CONDUIT, ETC TO FEED NEW MUA. COORDINATE WITH MECHANICAL TRADE FOR EXACT LOCATION.
 - DEMOLISH EXISTING EXHAUST FAN C/W WIRING AND MAKE SAFE

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GYM RENOVATION

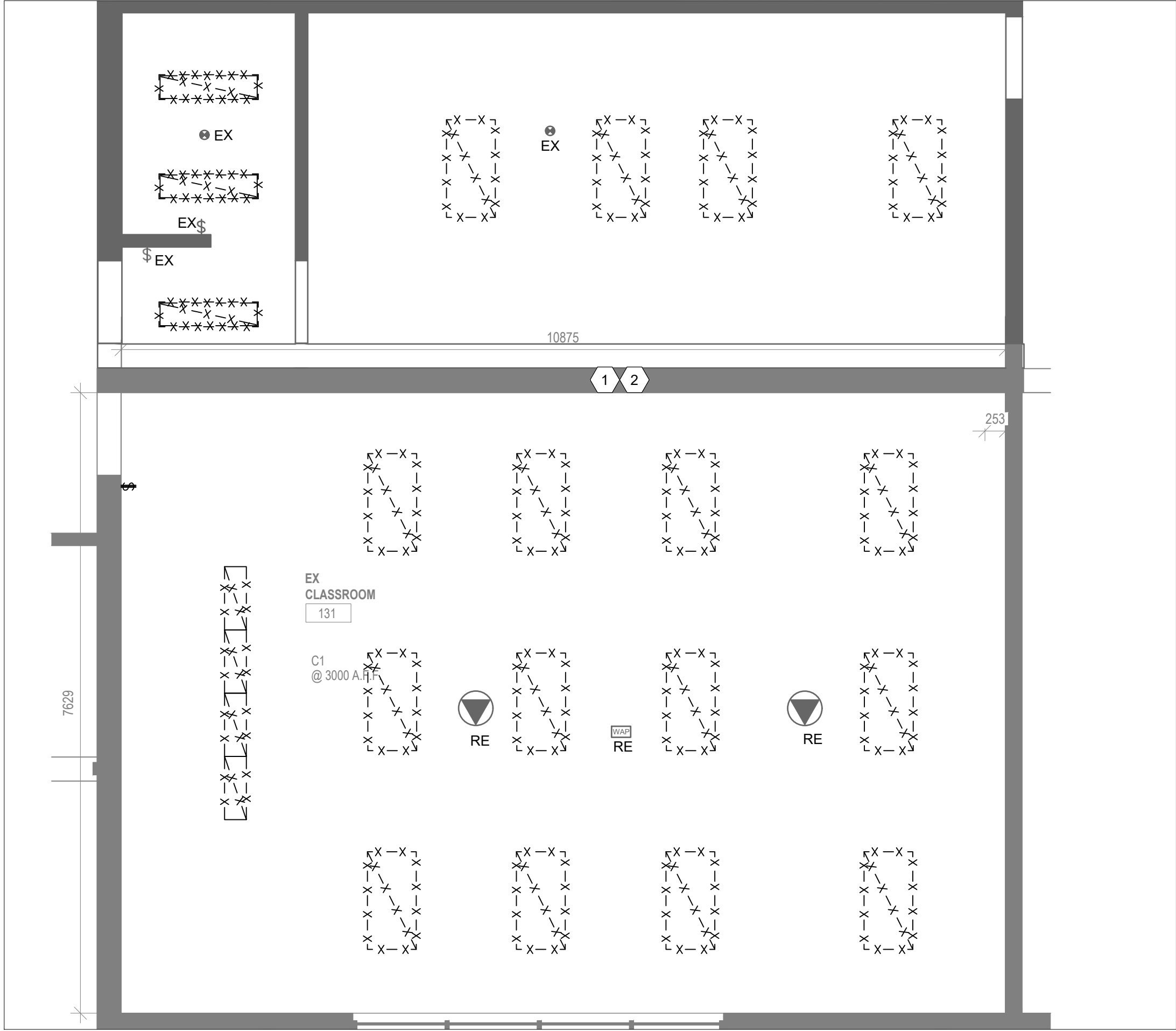
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IO Project No P2024-2081 Site No Building No

Client
HAMILTON-WENWORTH DISTRICT S.B.

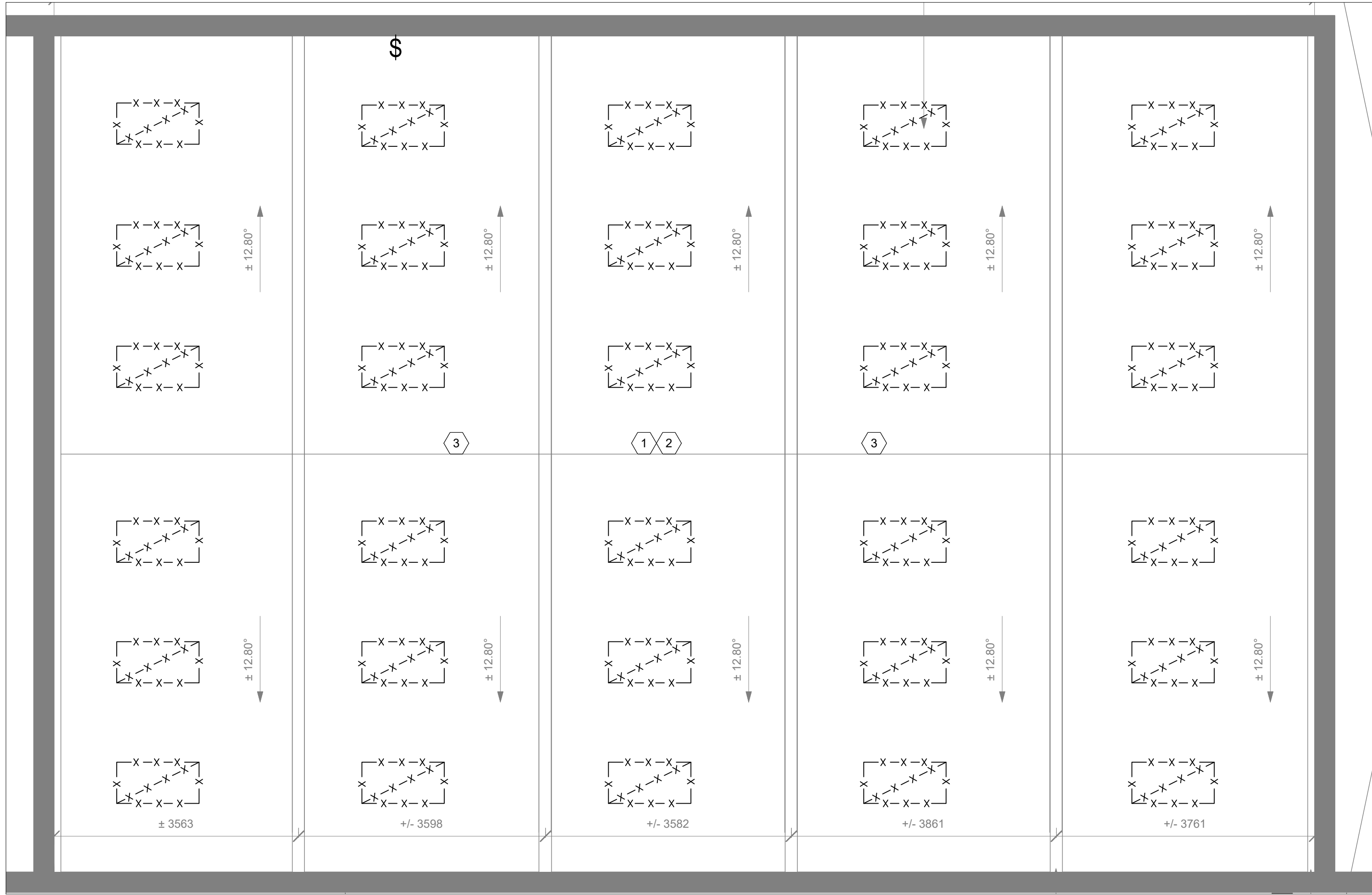
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FIRST FLOOR
DEMOLITION AND NEW CONSTRUCTION
POWER LAYOUT

Scale AS SHOWN	Project Start Date
Drawn by ML	Substantial Performance Date
Designed by FZ	Drawing No E1.02
Approved by FZ	Floor No

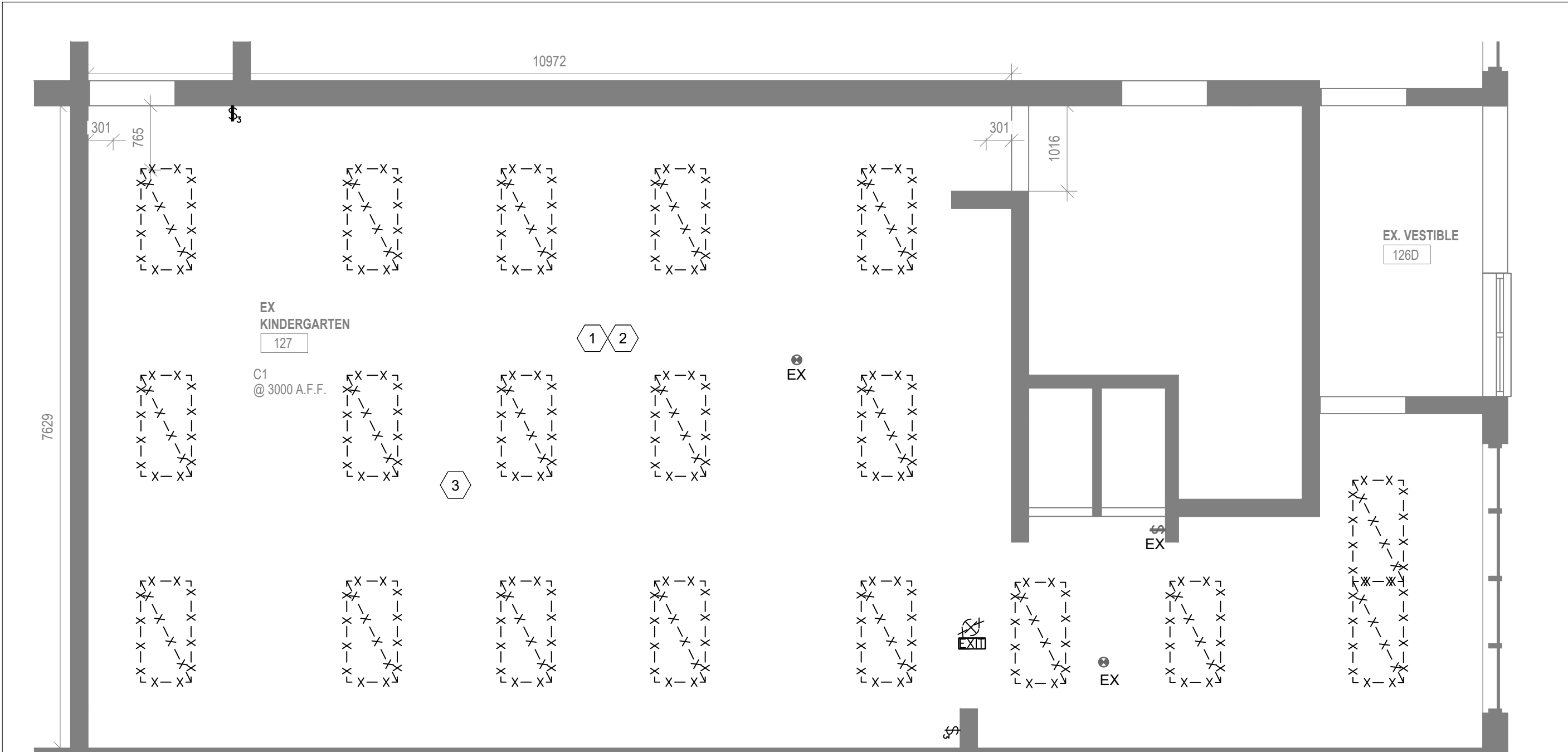
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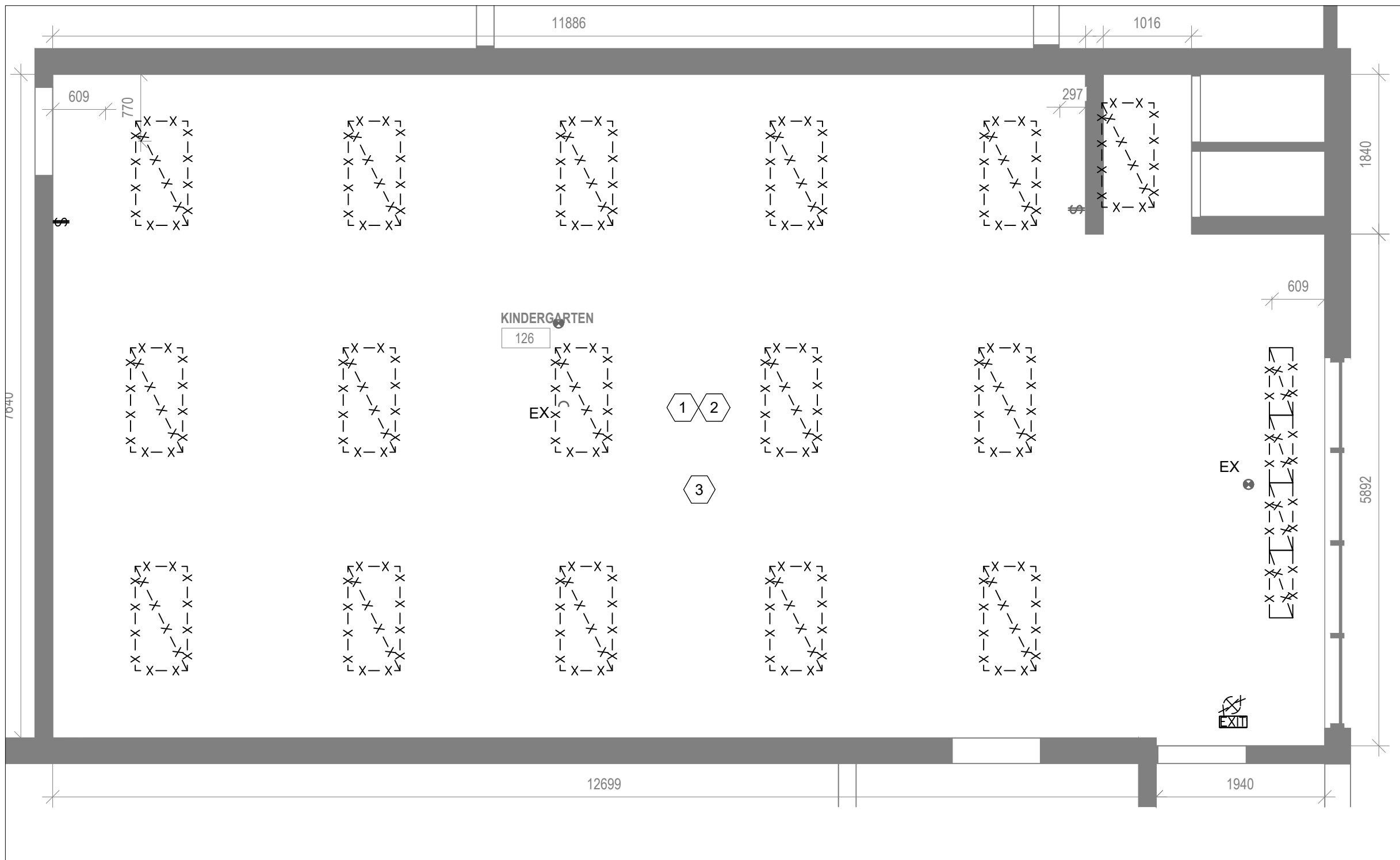
1 FIRST FLOOR - CLASSROOM 131 & 128 - LIGHTING LAYOUT
E1.03 1:50



3 FIRST FLOOR - EX. GYMNASIUM 143 - EXISTING LIGHTING
E1.03 1:50



2 FIRST FLOOR - KINDERGARTEN 127 - LIGHTING LAYOUT
E1.03 1:50



4 FIRST FLOOR CLASSROOM 126
E1.03 1:50

DEMOLITION NOTES:

- DEMOLISH AND REMOVE EXISTING LIGHTING FIXTURES C/W WIRING BACK TO SWITCH. CONTRACTOR TO USE EXISTING CIRCUIT CONFIGURATION FOR NEW LIGHTING FIXTURES.
- CONTRACTOR TO ALLOW FOR ADDITIONAL COST TO REMOVE AND RECONNECT EXISTING FIRE ALARM DEVICES INCLUDING NOT LIMITED TO SMOKE/HEAT DETECTORS, HORNS/STROBES, SPEAKERS IN ADDITION TO WAPS, PROJECTORS, FIRE SUPPRESSION SYSTEM, ETC. AS SHOWN ON THE DRAWINGS. TO ACCOMMODATE NEW CEILING TILES AND LIGHTING FIXTURES REPLACEMENT.
- REMOVE AND REINSTALL EMERGENCY LIGHTING

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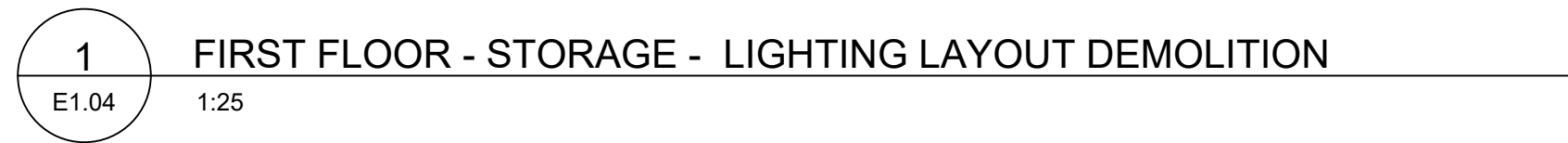
Project
HOLBROOK ELEMENTARY SCHOOL
GYM RENOVATION

Location
450 SANITORIUM ROAD
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IO Project No P2024-2081 Site No Building No

Client
HAMILTON-WENWORTH DISTRICT S.B.

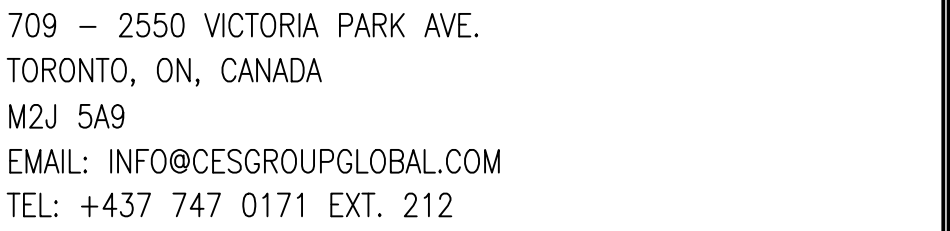
Drawing Title
FIRST FLOOR
DEMOLITION
LIGHTING LAYOUT A

Scale AS SHOWN	Project Start Date
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Designed by FZ	Drawing No E1.03
Approved by FZ	Floor No
CADD File NAME	



Orientation	Seal
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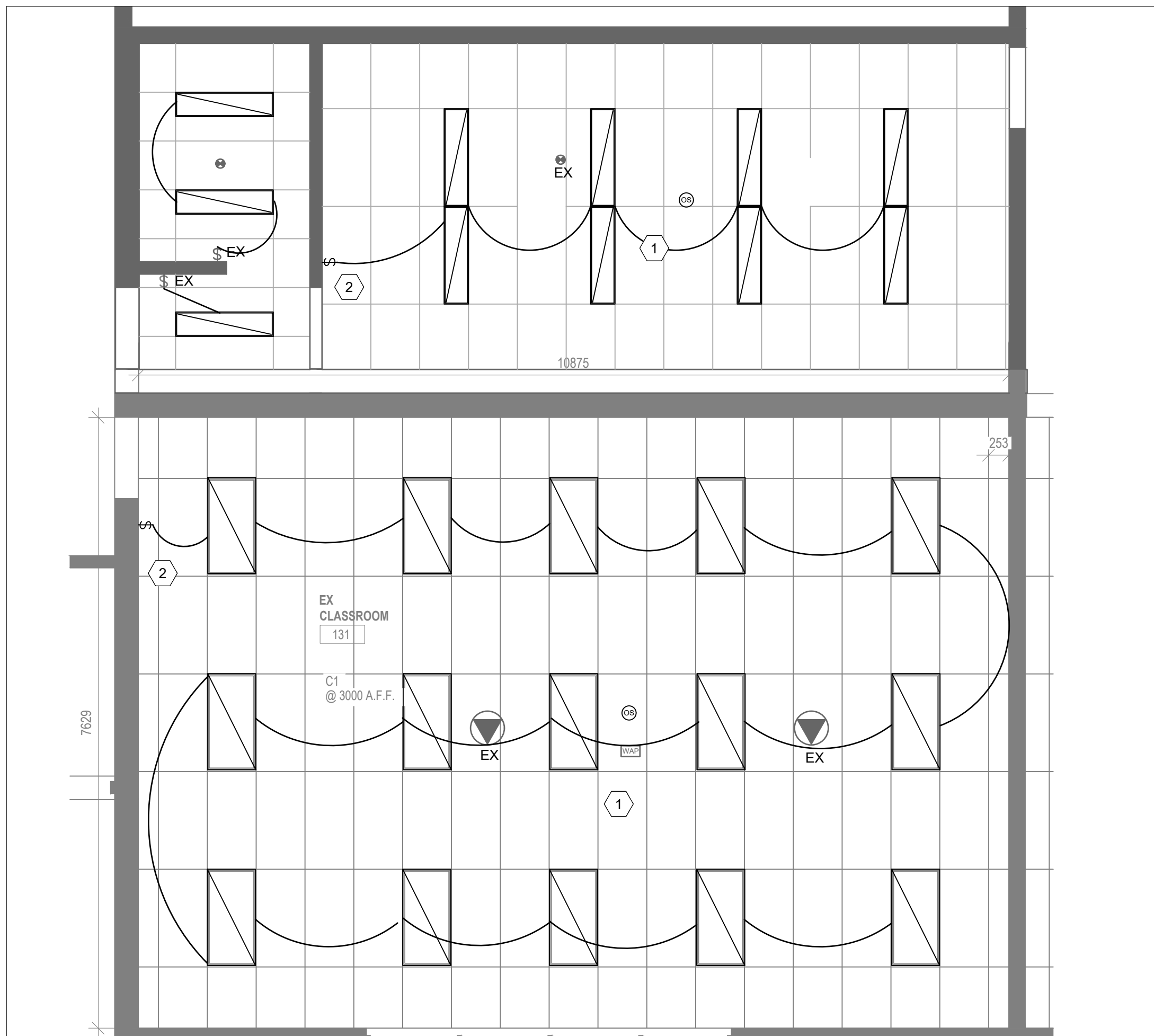
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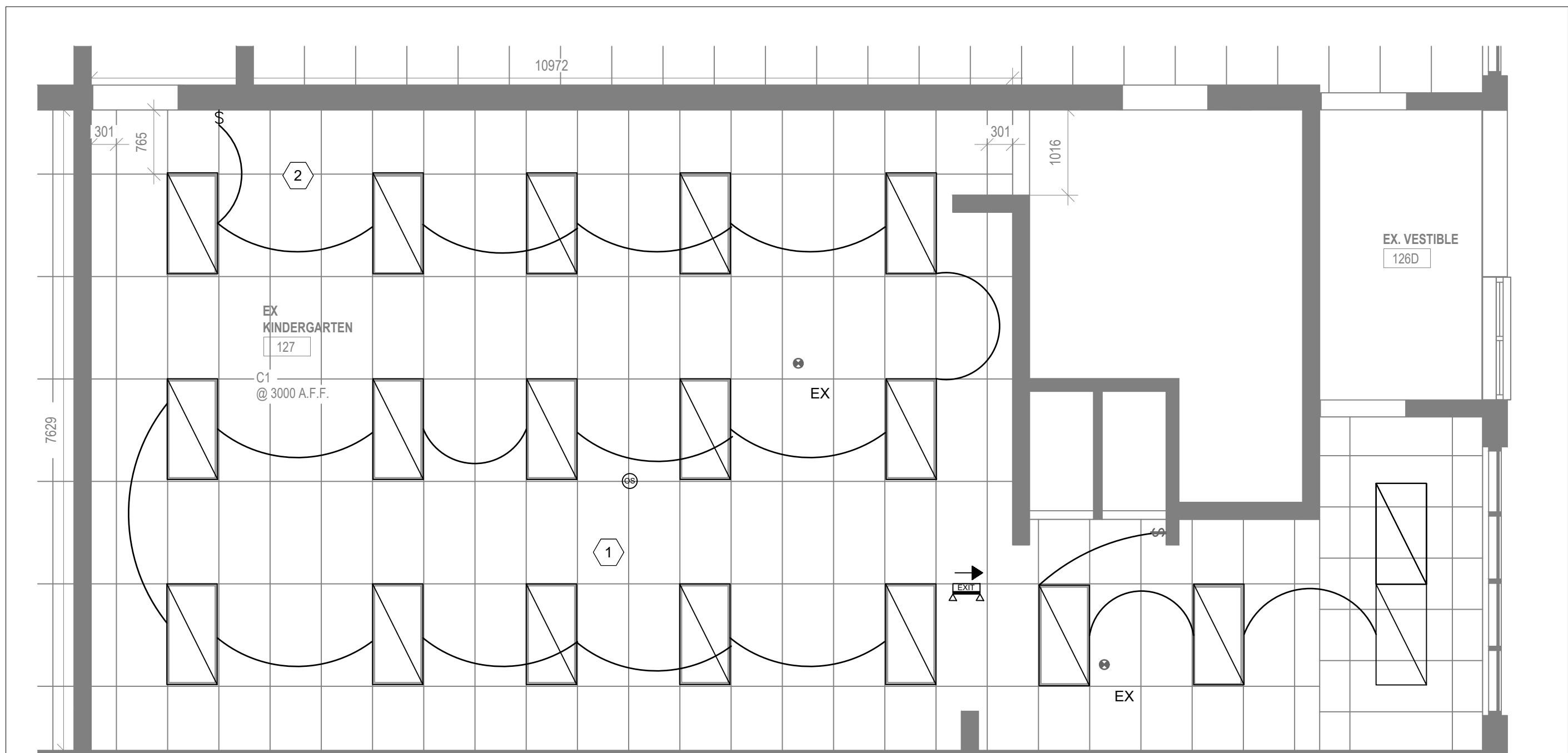
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450 SANATORIUM ROAD
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P2024-2081

Drawing Title
FIRST FLOOR
DEMOLITION
LIGHTING LAYOUT

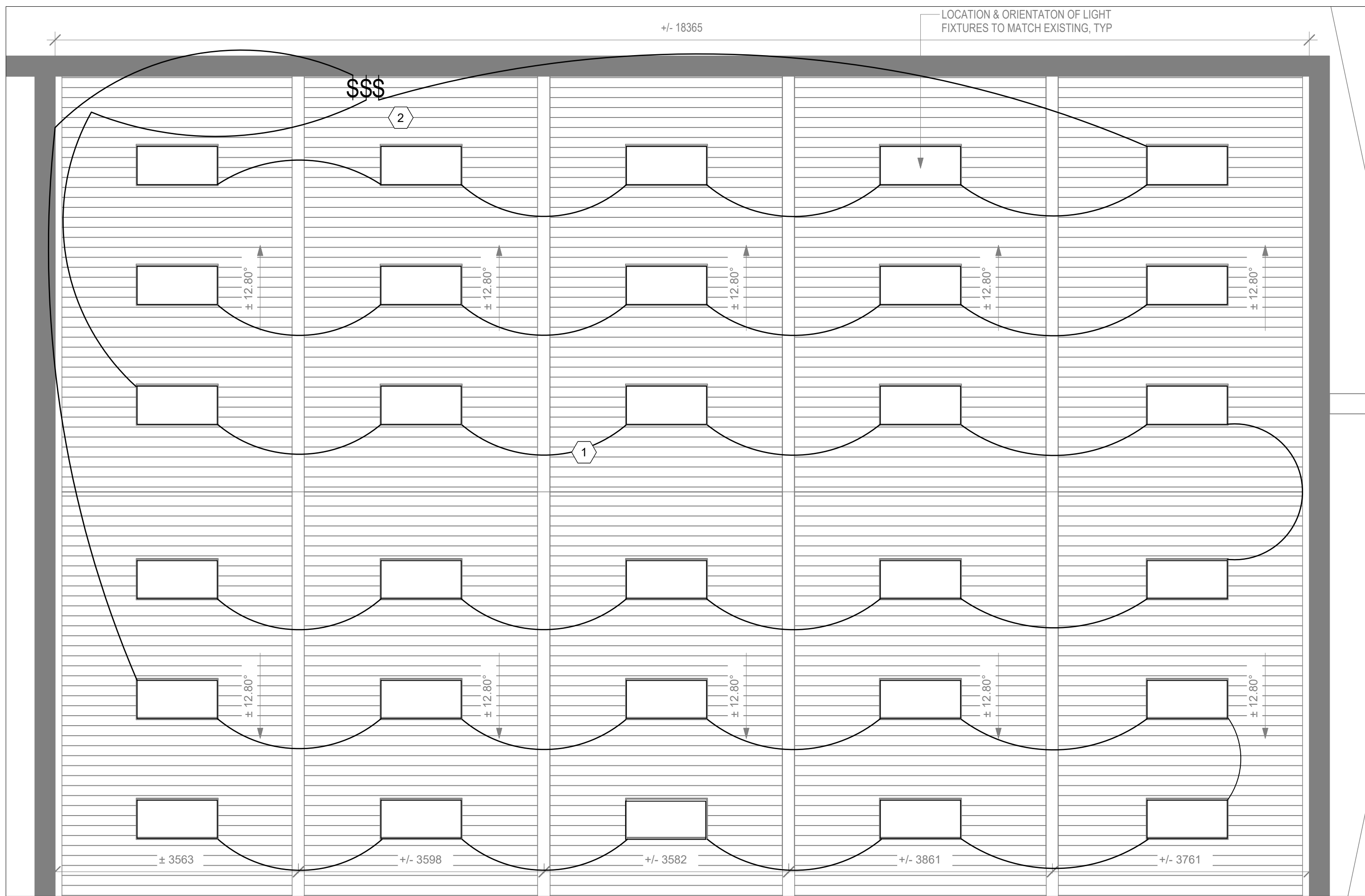
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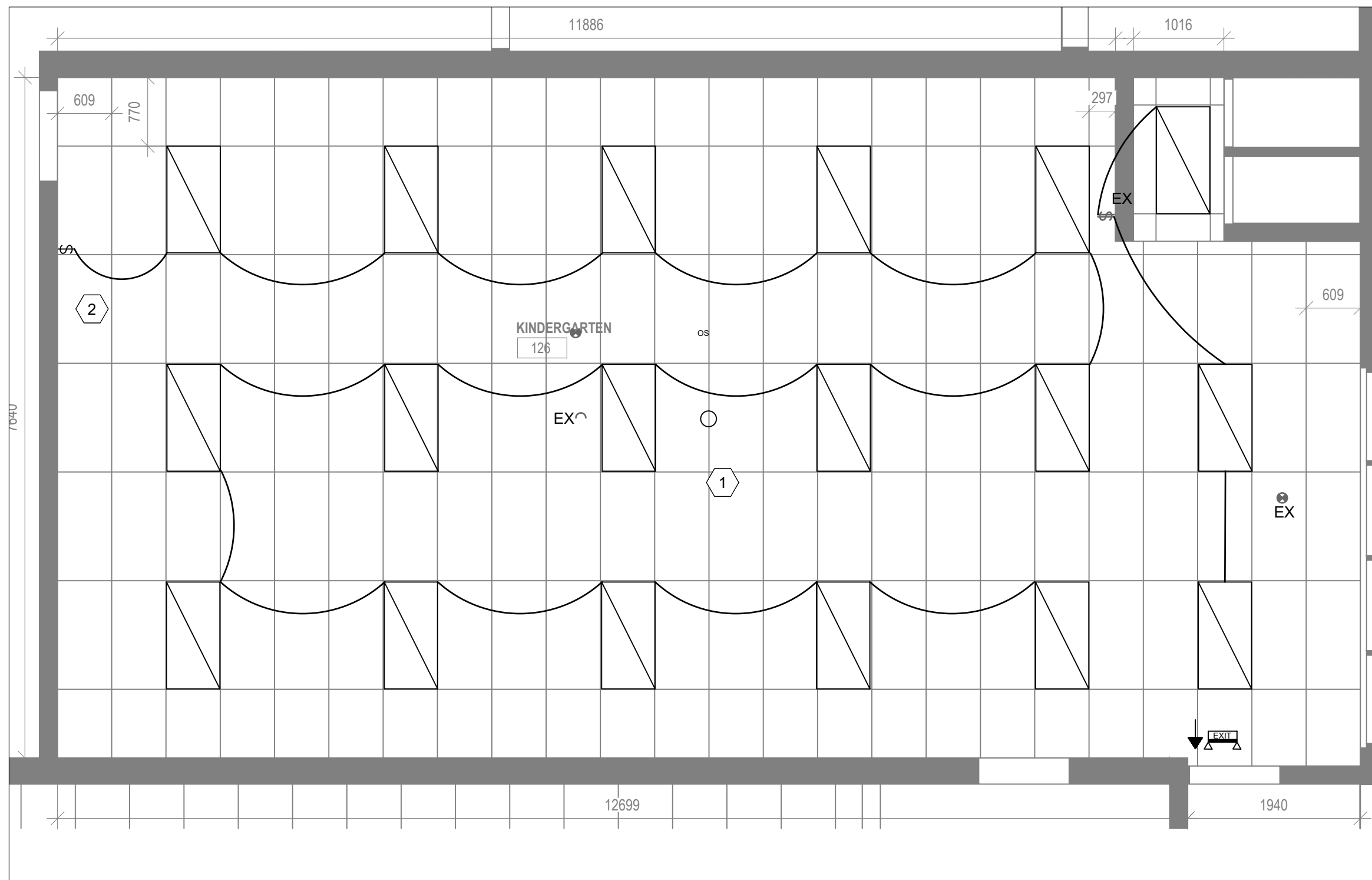
1 FIRST FLOOR - CLASSROOM 131 - NEW LIGHTING LAYOUT
E1.05 1:50



2 FIRST FLOOR - KINDERGARTEN 127 - NEW LIGHTING LAYOUT
E1.05 1:50



3 FIRST FLOOR - GYMNASIUM - NEW LIGHTING LAYOUT
E1.05 1:50



4 FIRST FLOOR - CLASSROOM 126 - NEW LIGHTING LAYOUT
E1.05 1:50

NEW CONSTRUCTION NOTES:

- SUPPLY AND INSTALL NEW LIGHTING FIXTURES UTILIZING EXISTING CIRCUITS, CONTRACTOR TO CARRY THE COST FOR ANY ADDITIONAL WIRING TO RECONNECT NEW FIXTURES TO EXISTING CIRCUITS. ALLOW COSTS TO RECONNECT EXISTING, WAPS, EXIT SIGNS, SWITCHES DUE TO CEILING MODIFICATIONS. REFER TO E1.05 FOR LIGHTING SCHEDULE. FOR THE EXACT LOCATION AND ELEVATIONS REFER TO ARCHITECTURAL DRAWINGS.
- SUPPLY AND INSTALL DIMMABLE WALL KEYPAD WITH 3 LIGHT SCENES C/W REQUIRED DRIVERS, CONTROL WIRING, ETC TO ACCOMMODATE THE SCENE SELECTION BY CLIENT. CONTRACTOR TO COORDINATE WITH HWDSB FOR THE SCENE REQUIREMENTS. OCCUPANCY SENSORS, LIGHTING FIXTURES AND KEYPAD SWITCHES TO BE COMPATIBLE TO IMPLEMENT LIGHTING SCENES. CONTRACTOR TO CARRY THE COST DATA CABLING REQUIRED TO COMPLETE THE JOB.
- CONTRACTOR TO CONFIRM THE LIGHTING GROUPING WITH HWDSB PRIOR TO INSTALLATION AND UPDATE THE GROUPING AND SCENE IMPLEMENTATION AS PER HWDSB REQUIREMENTS.

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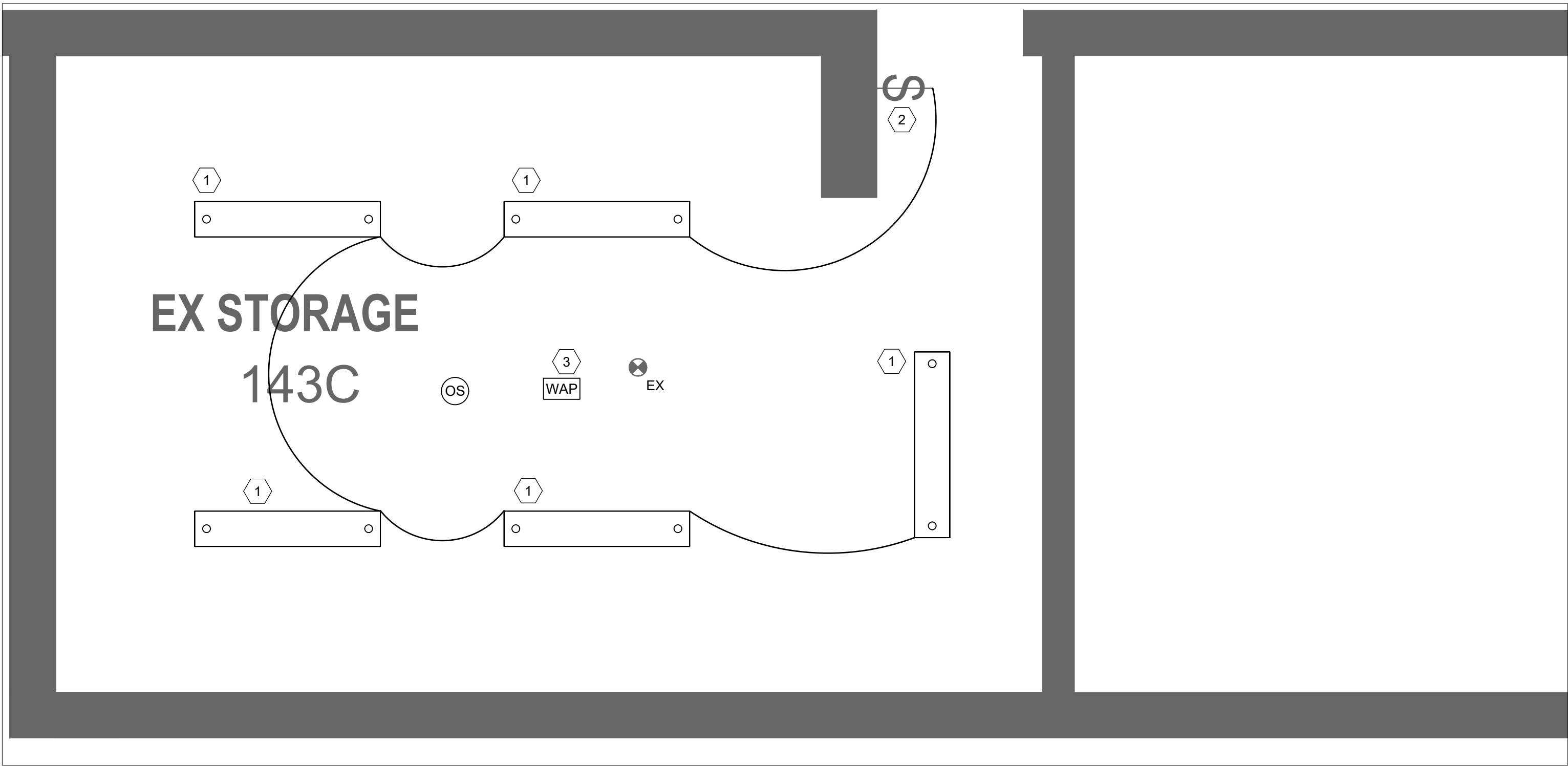
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IO Project No Site No Building No
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Drawing Title
FIRST FLOOR
NEW CONSTRUCTION
LIGHTING LAYOUT-A

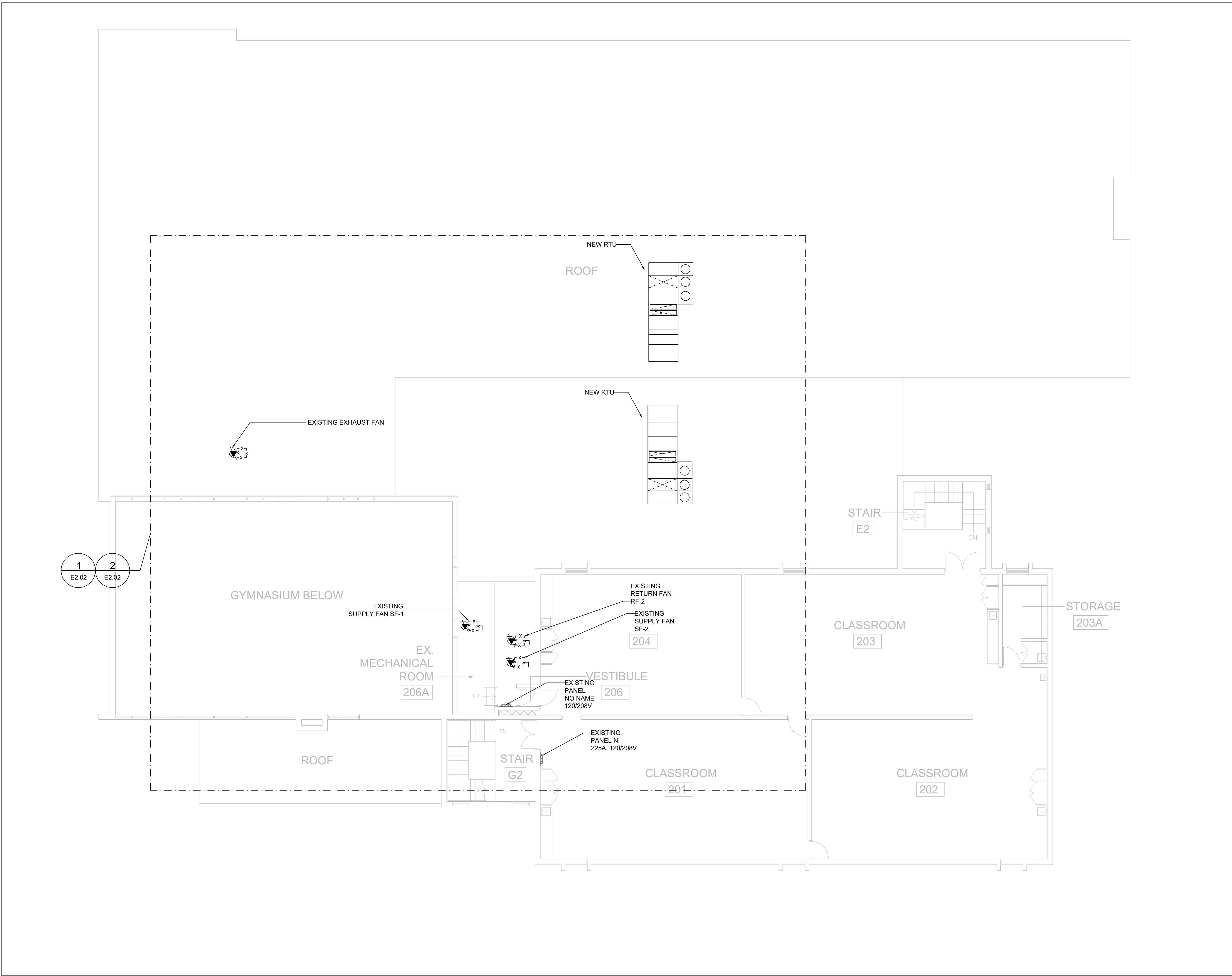
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1 FIRST FLOOR - STORAGE ROOM - NEW LIGHTING LAYOUT
E1.06 1:25

- NEW CONSTRUCTION NOTES:
- 1 SUPPLY AND INSTALL NEW LIGHTING FIXTURES UTILIZING EXISTING CIRCUITS. CONTRACTOR TO CARRY THE COST FOR ANY ADDITIONAL WIRING TO RECONNECT NEW FIXTURES TO EXISTING CIRCUITS. ALLOW COSTS TO RECONNECT EXISTING, WAPS, EXIT SIGNS, SWITCHES DUE TO CEILING MODIFICATIONS. REFER TO E1.05 FOR LIGHTING SCHEDULE. FOR THE EXACT LOCATION AND ELEVATIONS REFER TO ARCHITECTURAL DRAWINGS.
 - 2 SUPPLY AND INSTALL SINGLE POLE SWITCH C/W WIRING. COORDINATE WITH CLIENT AND ARCHITECT FOR THE COLOR AND AESTHETIC.
 - 3 SUPPLY AND INSTALL NEW WIRELESS ACCESS POINT, C/W REQUIRED CABLING, POWER ,ETC.

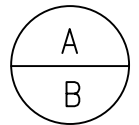
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<div><div>A</div><div>B</div></div>	A Detail No B Sheet No where detailed	
<div><div></div><div>709 - 2550 VICTORIA PARK AVE. TORONTO, ON, CANADA M2J 5A9 EMAIL: INFO@CESGROUPGLOBAL.COM TEL: +437 747 0171 EXT. 212</div></div>		
<div><div></div><div>STOWBRIDGE CRESCENT HAMILTON, ON, CANADA L9G 5E1 EMAIL: INFO@AJA.DESIGN TEL: +1 905 920 5121</div></div>		
<div><div></div><div>HAMILTON-WENTWORTH DISTRICT S.B.</div></div>		
Ministry PSF Number		
Project HOLBROOK ELEMENTARY SCHOOL GYM RENOVATION		
Location 450 SANITORIUM ROAD HAMILTON, ONTARIO		
IO Project No P2024-2081		
Site No Building No		
Client HAMILTON-WENWORTH DISTRICT S.B.		
Drawing Title FIRST FLOOR NEW CONSTRUCTION LIGHTING LAYOUT-B		
Scale 1:25		Project Start Date
Drawn by ML		Substantial Performance Date
Designed by FZ		Drawing No
Approved by FZ		Floor No
E1.06		
CADD File NAME		



1 SECOND FLOOR - KEYPLAN
E2.01 1:100

2	RE-ISSUED FOR TENDER	2025-02-05
1	ISSUED FOR TENDER	2025-01-21
0	ISSUED FOR PERMIT	2024-12-02
A	ISSUED FOR 33%	2024-08-16
No	Revisions	Date
Orientation		Seal

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A Detail No
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Ministry PSF Number

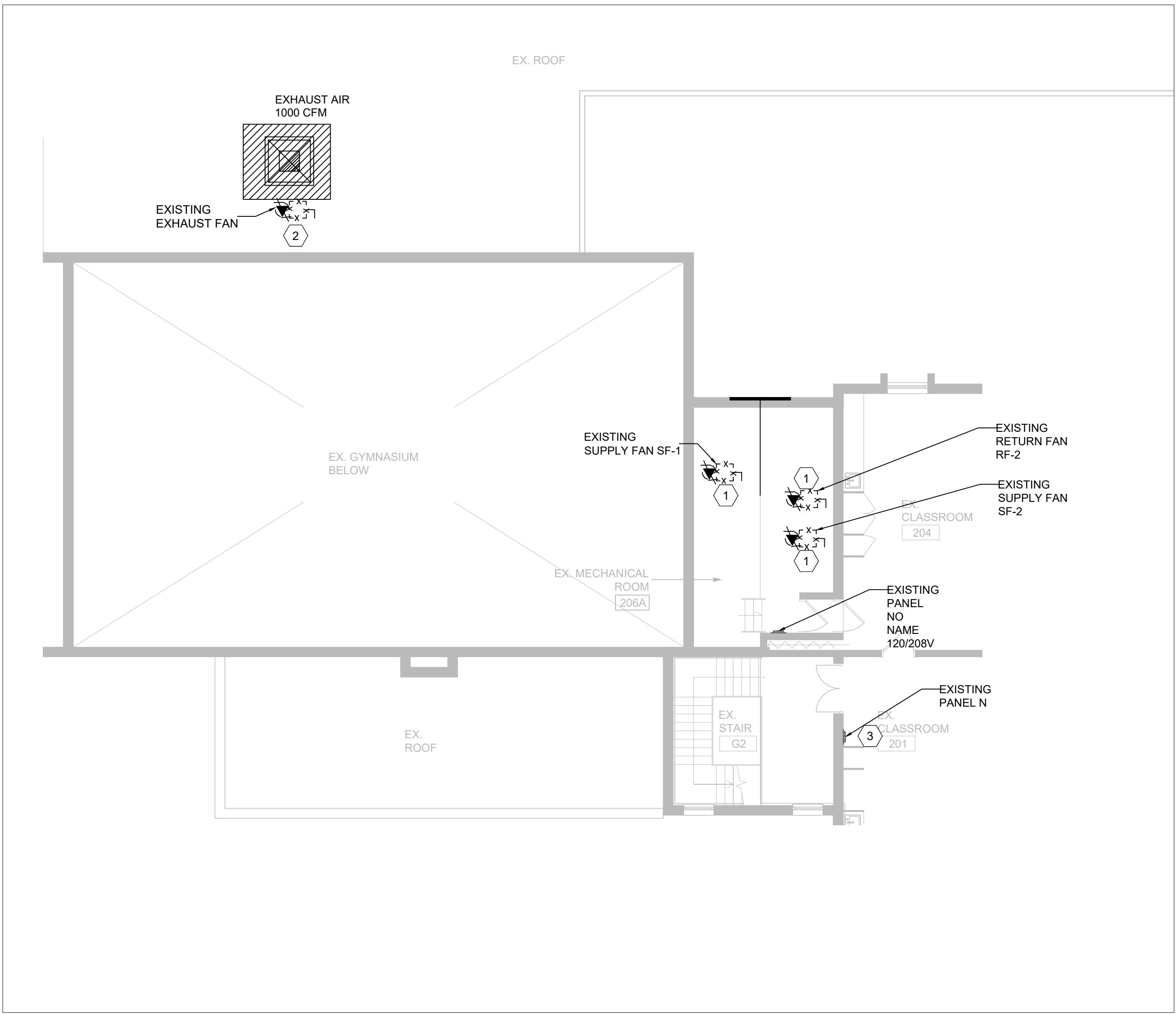
Project
HOLBROOK ELEMENTARY SCHOOL
GYM RENOVATION

Location
450 SANITORIUM ROAD
HAMILTON, ONTARIO
IO Project No P2024-2081 Site No Building No

Client
HAMILTON-WENWORTH DISTRICT S.B.

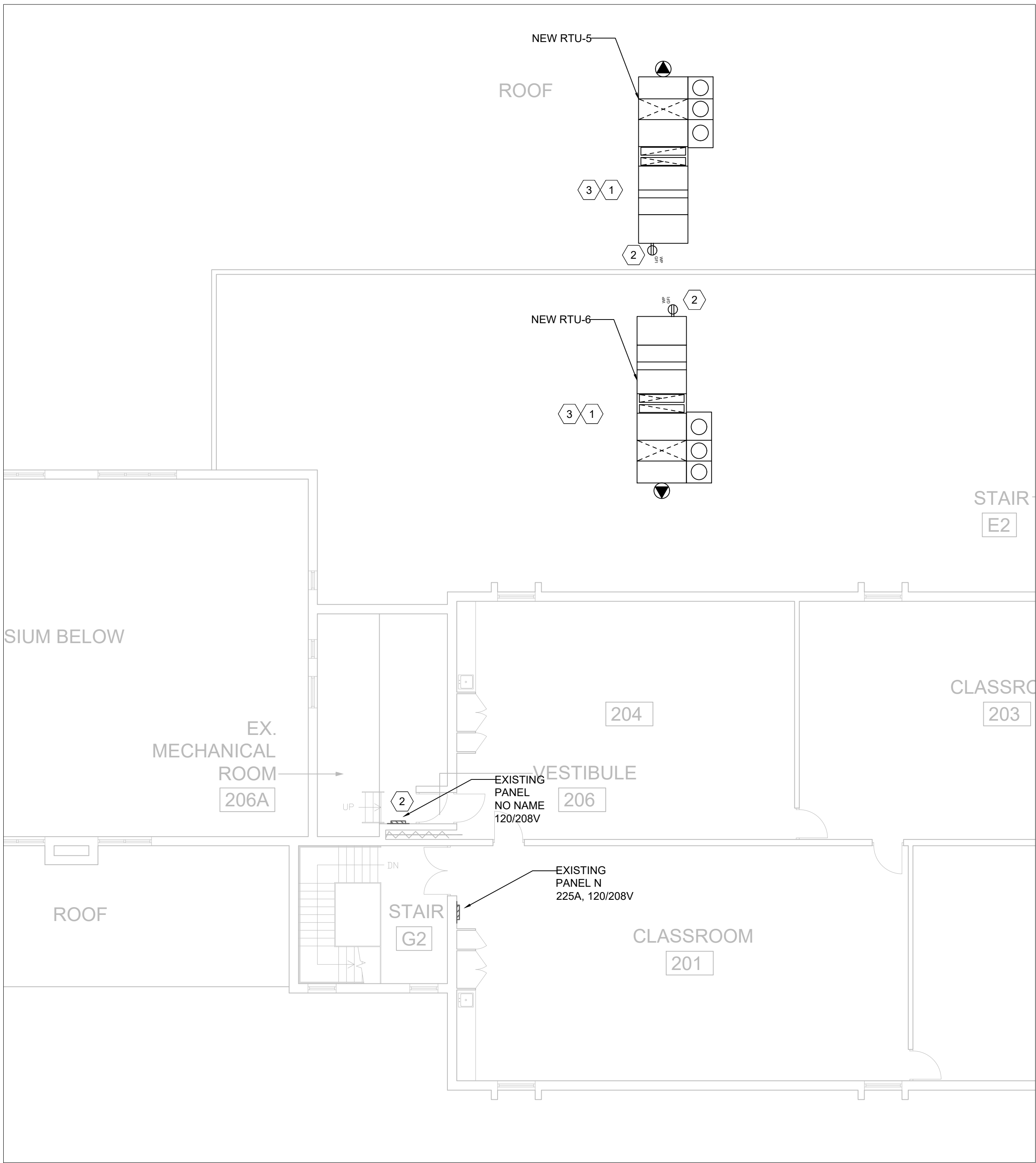
Drawing Title
KEYPLAN
SECOND FLOOR

Scale 1:100	Project Start Date
Drawn by FZ	Substantial Performance Date
Designed by FZ	Drawing No E2.01 of
Approved by FZ	Floor No
CADD File NAME	



1 SECOND FLOOR AND ROOF DEMOLITION
E2.02 1:100

- DEMOLITION NOTES:
- 1 DISCONNECT ALL EXISTING UNITS (SF-1, SF-2 AND RF-2)
 - 2 DISCONNECT EXISTING EXHAUST FAN SERVING GYM, LOCATED ON ROOF.
 - 3 DISCONNECT, DEMOLISH AND DISPOSE EXISTING SUIT CIRCUIT BREAKERS EXISTING FEEDER CIRCUIT AND OUTGOING CIRCUIT FEEDS TO REMAIN (OTHER THAN CIRCUITS FOR REDUNDANT EQUIPMENT WHICH ARE TO BE REMOVED).



2 SECOND FLOOR - NEW CONSTRUCTION
E2.02 1:100

- NEW CONSTRUCTION NOTES:
- 1 SUPPLY AND INSTALL NEW WIRING, CONDUITS, FITTINGS TO CONNECT TO NEW RTU FROM A NEW 100A BREAKER IN MAIN DISTRIBUTION PANEL DP-B1 LOCATED IN THE MAIN ELECTRICAL ROOM. WIRING TO BE 3X#2AWG+G. OUTSIDE CONDUIT TO BE WEATHER PROOF AND SUPPORTED BY UNISTRAT.
 - 2 SUPPLY AND INSTALL NEW 20A BREAKER IN SECOND FLOOR MECHANICAL ROOM PANEL TO FEED RTU MAINTENANCE RECEPTACLE WITH #12 AWG WIRING.
 - 3 SUPPLY AND INSTALL NEW DUCT SMOKE DETECTOR IN THE STRAIGHT PORTION OF MAIN SUPPLY DUCT, DOWNSTREAM OF MIXING BOX, FILTERS AND FANS IN ADDITION TO REQUIRED MODULES TO INTEGRATE FIRE ALARM FAN SHUTDOWNS TO NEW RTU UNIT IN CASE OF FIRE ALARM.DUCT SMOKE DETECTOR TO BE CONNECTED TO NEAREST FA INDICATING LINE CIRCUIT OF EXISTING BASE BUILDING FACP. COORDINATE WITH MECHANICAL TRADE FOR THE EXACT LOCATION OF DETECTOR. LOCATION OF THE DETECTORS TO BE ACCESSIBLE FOR MAINTENANCE.
 - 4 ELECTRICAL CONTRACTOR SHALL CARRY THE COST OF THE BASE BUILDING FIRE ALARM SERVICE PROVIDER - HAMILTON FIRE CONTROL - AND THE REQUIRED COORDINATION TO FULLY INTEGRATE THE NEW SMOKE DETECTORS TO THE EXISTING FIRE ALARM SYSTEM. CARRY THE COST TO UPDATE/EXPAND THE EXISTING FIRE ALARM CONTROL PANEL ZONING, PASSIVE GRAPHICS REPROGRAMMING AND ETC. TO COMPLETE THE NEW SCOPE OF THE WORK AS REQUIRED.

No	Revisions	Date
2	RE-ISSUED FOR TENDER	2025-02-05
1	ISSUED FOR TENDER	2025-01-21
0	ISSUED FOR PERMIT	2024-12-02
A	ISSUED FOR 33%	2024-08-16

Orientation	Seal

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Ministry PSF Number

Project: HOLBROOK ELEMENTARY SCHOOL GYM RENOVATION

Location: 450 SANITORIUM ROAD
HAMILTON, ONTARIO
IO Project No: P2024-2081 Site No: Building No:

Client: HAMILTON-WENWORTH DISTRICT S.B.

Drawing Title: SECOND FLOOR DEMOLITION AND NEW CONSTRUCTION POWER LAYOUT

Scale: 1:100	Project Start Date
Drawn by: FZ	Substantial Performance Date
Designed by: FZ	Drawing No: E2.02
Approved by: FZ	Floor No:
CADD File NAME	