



SIR JOHN A MACDONALD SECONDARY SCHOOL

CLASSROOM RENOVATIONS

650 Laurelwood Dr, Waterloo, ON

CORNERSTONE ARCHITECTURE INCORPORATED
ARCHITECT

DEI CONSULTING ENGINEERS
MECHANICAL & ELECTRICAL ENGINEERS

DRAWING LIST

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- A3.02 PARTIAL FLOOR PLANS

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- A4.02 PARTIAL CEILING PLANS

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- E1.03 PANEL SCHEDULES
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GENERAL NOTES

- APPLICABLE TO ALL DRAWINGS
- CONTRACTOR TO VERIFY DIMENSIONS ON SITE AND REPORT AND DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING.
 - REFER TO FLOOR PLANS FOR FIRE SEPARATION LOCATIONS.
 - CARRY ALL PARTITIONS TO 1/2 OF STRUCTURE OR METAL DECK UNLESS NOTED OR DETAILED OTHERWISE.
 - ALL WALLS TO BE CONSTRUCTED AS 0-HOUR FIRE SEPARATIONS UNLESS NOTED OTHERWISE.
 - FIRE STOP ALL JOINTS AND PENETRATIONS IN FIRE SEPARATIONS TO MAINTAIN FIRE RATING.
 - INTERIOR DIMENSIONS ARE FROM FACE G.W.B. TO FACE OF G.W.B. OR FACE OF BLOCK TO FACE OF BLOCK.
 - ALL CONCRETE BLOCK TO BE LIGHT WEIGHT UNLESS NOTED OTHERWISE.
 - PATCH WALLS AT LOCATIONS WHERE EXISTING MECHANICAL OR ELECTRICAL DEVICES HAVE BEEN REMOVED WITH NEW WALL CONSTRUCTION INFILL TO MATCH.
 - CUT BACK EXISTING CONCRETE BLOCK WALL TIES WHERE EXISTING WALLS HAVE BEEN REMOVED AND PATCH WITH MORTAR TO MATCH EXISTING.
 - INFILL ALL FLOOR CUTS IN EXISTING FLOOR WITH CONCRETE TO MATCH SURROUNDING FLOOR HEIGHTS. FINISH AS INDICATED IN ROOM FINISH SCHEDULE.
 - PATCH ALL HOLES IN EXISTING WALLS WHERE MOUNTING HARDWARE HAS BEEN REMOVED.
 - ALL EXPOSED CONCRETE BLOCK CORNERS TO BE BULLNOSE FINISH.
 - ALL PARTITIONS TO CARRY OVER OPENINGS UNLESS NOTED OTHERWISE.
 - PATCH AND MAKE GOOD ALL SURFACES WHERE DEMOLITION OCCURS. THIS WILL INCLUDE, BUT NOT BE LIMITED TO:
 - PATCHING WITH MATERIALS TO MATCH EXISTING
 - REFINISHING WITH MATERIALS TO MATCH EXISTING
 - PAINTING AND/OR REPAINTING SURFACE OVER THEIR ENTIRE PLANE, NOT JUST THE PATCH ITSELF
 - REFER TO DESIGNATED SUBSTANCE REPORT FOR LOCATIONS OF PRODUCTS TO BE REMOVED UNDER SPECIAL PROCEDURES

DEMOLITION NOTES

- APPLICABLE TO DEMOLITION DRAWINGS
- CONTRACTOR TO VERIFY DIMENSIONS ON SITE AND REPORT AND DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING.
 - CONFIRM THE REMOVAL OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS.
 - CONFIRM THE REMOVAL OF ALL ELECTRICAL EQUIPMENT WITH ELECTRICAL DRAWINGS.
 - CONFIRM THE EXTENT AND DIMENSIONS OF ALL AREAS TO BE REMOVED WITH FLOOR PLANS.
 - WORK TO BE PERFORMED BY THE FOLLOWING TERMS:
 - 'REMOVE' - ITEM SHALL BE REMOVED & DEMOLISHED
 - 'RELOCATE' - ITEM SHALL BE CAREFULLY REMOVED & RELOCATED AS INDICATED.
 - 'RTO' - ITEM SHALL BE CAREFULLY REMOVED & TURNED OVER TO OWNER.
 - 'SALVAGE' - ITEM SHALL BE CAREFULLY REMOVED & PROTECTED / STORED FOR RE-INSTALLATION.
 - WHERE EXISTING FLOOR FINISHES ARE TO BE REMOVED INCLUDE THE REMOVAL OF EXISTING FLOOR BASE.
 - WHERE FLOOR SLAB IS BEING REMOVED TO ACCESS UNDERSLAB SERVICES, FLOOR SLAB IS TO BE REPLACED TO MATCH EXISTING FLOOR ELEVATION, AND CONSTRUCTED AS INDICATED ON STRUCTURAL DRAWINGS.
 - REFER TO DESIGNATED SUBSTANCE REPORT FOR LOCATIONS OF PRODUCTS TO BE REMOVED UNDER SPECIAL PROCEDURES
 - WHERE EXISTING CEILINGS ARE TO BE REMOVED, INCLUDE ANY ASBESTOS TILE, GYPSUM BOARD, SECONDARY LAY-IN TILE CEILINGS AND/OR STRAPPING ABOVE EXISTING LAY-IN TILE CEILINGS.
 - WHERE EXISTING WINDOWS ARE TO BE REMOVED, SALVAGE ALL WINDOW COVERINGS C/W MOUNTING HARDWARE.
 - OWNER TO RELOCATE ALL FURNITURE, SMART BOARDS, PROJECTORS, ELECTRONIC DEVICES, ACCESSORIES AND CHATEL PRIOR TO ANY WORK COMMENCING.
 - R.T.O. ALL CHALKBOARDS, TACK BOARDS, WHITEBOARDS AND ANY WALL MOUNTED ACCESSORIES WHERE INDICATED.
 - REMOVE ALL MOUNTING HARDWARE (SCREWS, HOOKS, NAILS, ANCHORS, ETC.) FROM WALLS THAT WILL REMAIN IN AREAS TO BE RENOVATED. PATCH AND REPAIR WALLS AND MAKE GOOD FOR NEW FINISHES.

LEGEND

APPLICABLE TO ALL DRAWINGS

	NEW DOOR AND FRAME (REFER TO DOOR SCHEDULE)
	ROOM NUMBER
	OPENING NUMBER
	ASSEMBLY TYPE (REFER TO WALL TYPE LEGENDS ON THIS PAGE)
	INTERIOR ELEVATION TAG
	ELEVATION NUMBER
	SHEET LOCATION
	NEW MILLWORK (FLOOR PLANS)

DEMOLITION LEGEND

APPLICABLE TO DEMOLITION DRAWINGS

	EXISTING CONSTRUCTION TO REMAIN
	EXISTING CONSTRUCTION TO BE DEMOLISHED
	BREAK OUT NEW OPENINGS IN EXISTING WALL
	EXISTING DOOR TO REMAIN
	REMOVE EXISTING DOOR & FRAME. REMOVE ALL DOOR HARDWARE, (HINGES, LOCKSETS & CLOSURES)
	REMOVE, RELOCATE OR SALVAGE EXISTING MILL WORK c/w SINKS, FITTINGS & ACCESSORIES AS INDICATED
	INDICATES REMOVAL OF FLOOR FINISH TO CONCRETE SLAB AND/OR CEILINGS c/w SUPPORTS, UNLESS OTHERWISE NOTED
	INDICATES REMOVAL OF EXISTING CONCRETE SLAB FOR INSTALLATION OF NEW STRUCTURAL, MECHANICAL OR ELECTRICAL ITEMS. INSTALL NEW CONCRETE SLAB AS INDICATED ON STRUCTURAL DRAWINGS.

FIRE SEPARATIONS

NEW 1/2 HOUR FIRE SEPARATION

NOTE:
FIRE-STOP ALL PENETRATIONS TO SUIT REQUIRED RATING.

ABBREVIATIONS

APPLICABLE TO ALL DRAWINGS

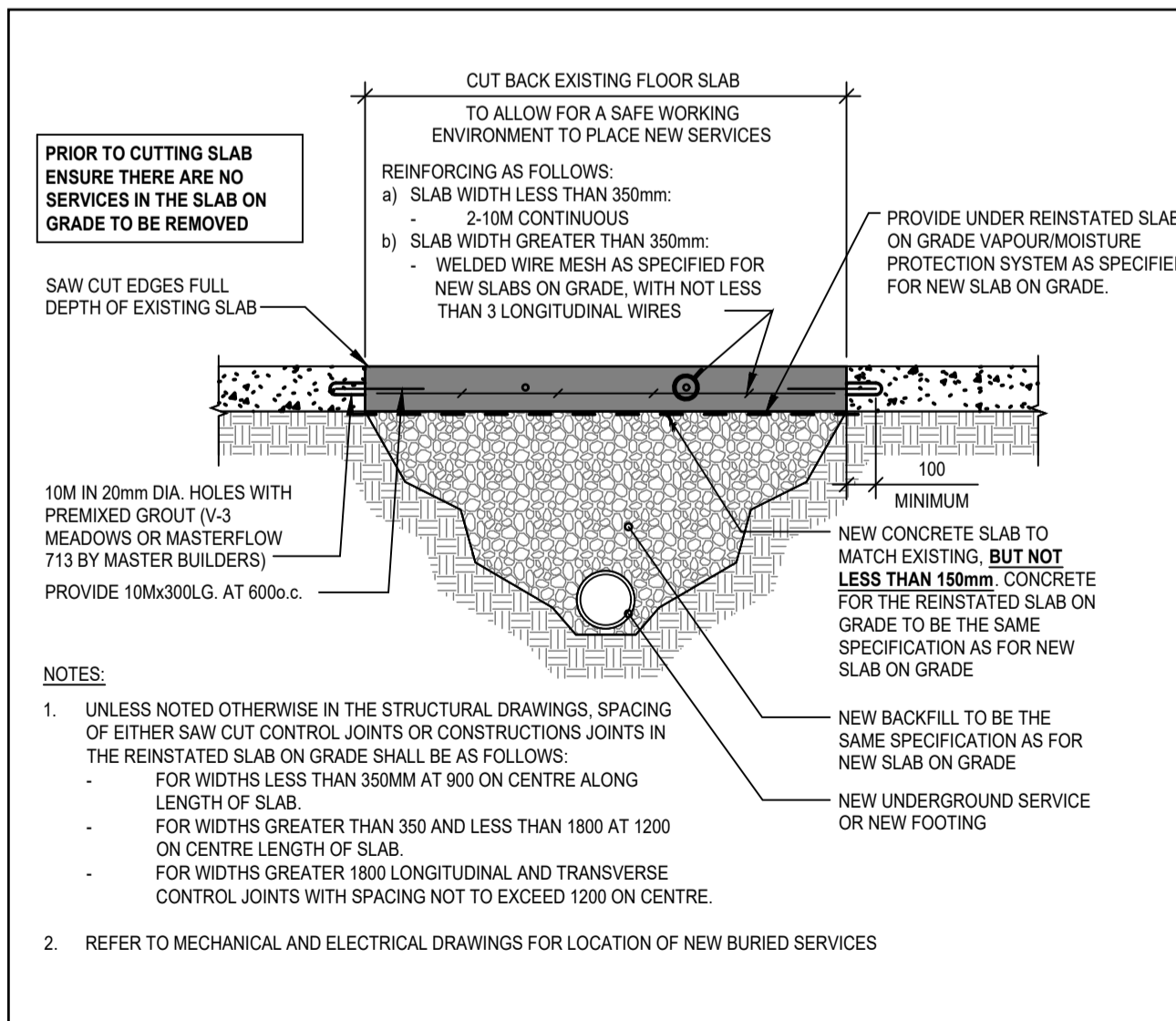
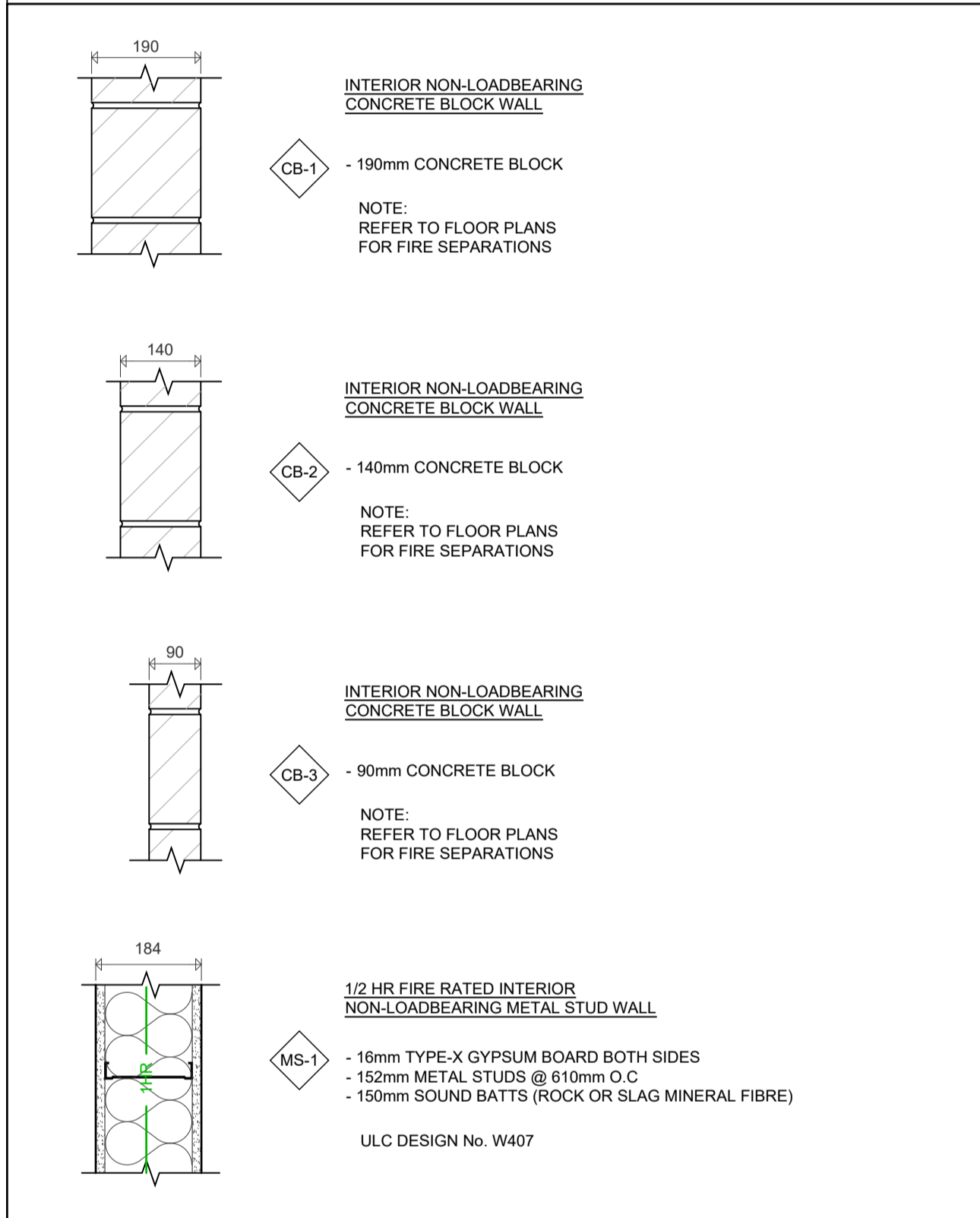
ACT	ACOUSTIC CEILING TILE	EXIST	EXISTING
BLK	MASONRY BLOCK	FD	FLOOR DRAIN
BN	BULL NOSE	GWB	GYPSUM WALL BOARD
CONC	CONCRETE	GMWB	GLASS MATT WALL BOARD
E.P.	ELECTRICAL PANEL (REFER TO ELECTRICAL)	LGW	LAB GAS VALVE
EW	EYE WASH STATION (REFER TO MECHANICAL)		

CLASSROOM ACCESSORIES

WB.1 WHITE BOARD: 2400mm x 1200mm WITH MAP RAIL & MARKER TRAY

WALL TYPES

- THIS LEGEND IS APPLICABLE TO TYPICAL WALL CONDITIONS ON ALL FLOOR PLANS. THERE ARE SPECIALIZED CONDITIONS THAT OCCUR, THAT ARE NOTED / DETAILED ELSEWHERE, IN THESE DOCUMENTS.
- ALL NON LOAD BEARING INTERIOR WALLS ARE CB-1 UNLESS NOTED OTHERWISE.
- WALLS DESCRIBED HERE APPLY ABOVE AND BELOW OPENINGS.
- REFER TO INTERIOR & EXTERIOR ELEVATIONS FOR MASONRY FINISHES.
- ALL WALL ASSEMBLY HEIGHTS ARE TO UNDERSIDE OF STRUCTURE ABOVE (FLOOR JOISTS, BOTTOM CHORD, SLAB) UNLESS NOTED OR DETAILED OTHERWISE.
- ALL WALLS ARE CONSTRUCTED AS 0-HOUR FIRE SEPARATIONS UNLESS NOTED OTHERWISE
- FIRE STOP ALL JOINTS AND PENETRATIONS IN FIRE SEPARATIONS.
- WHERE INDICATED ON FLOOR PLAN, CONSTRUCTION MATERIALS / WALL ASSEMBLY TO COMPLY WITH REQUIRED FIRE RESISTANCE RATING. JOINTS TO BE SEALED CONTINUOUS AND BE FIRE STOPPED TO PREVENT THE PASSAGE OF SMOKE.



1 SLAB INFILL DETAIL N.T.S.

ONTARIO BUILDING CODE DATA MATRIX
PART 11 - RENOVATION OF EXISTING BUILDING

11.00	BUILDING CODE VERSION:	O_REG. 332/12	LAST AMENDMENT:	O_REG. 191-14	BUILDING CODE REFERENCE
11.01	PROJECT TYPE:	<input type="checkbox"/> ADDITION <input checked="" type="checkbox"/> RENOVATION <input type="checkbox"/> ADDITION & RENOVATION <input type="checkbox"/> CHANGE OF USE			[A] 1.1.2.
11.02	MAJOR OCCUPANCY CLASSIFICATION:	OCCUPANCY USE: GROUP A, DIVISION 2 SECONDARY SCHOOL			3.1.2.1.(1)
11.03	SUPERIMPOSED MAJOR OCCUPANCIES:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, PLEASE DESCRIBE			3.2.2.7.
11.04	BUILDING AREA (m ²):	EXISTING NEW TOTAL GROUND FLOOR: 9,147.5m ² 0m ² 9,147.5m ² SECOND FLOOR: 5,734.2m ² 0m ² 5,734.2m ² THIRD FLOOR: 4,266.1m ² 0m ² 4,266.1m ² GROSS: 19,147.8m ² 0m ² 19,147.8m ²			[A] 1.4.1.2.
11.05	BUILDING HEIGHT:	STOREYS ABOVE GRADE: 3 HEIGHT ABOVE GROUND (m): 13.2m STOREYS BELOW GRADE: 0			[A] 1.4.1.2. & 3.2.1.1.
11.06	NUMBER OF STREETS / FIREFIGHTER ACCESS:	1 STREET(S)			3.2.2.10. & 3.2.5.
11.07	BUILDING SIZE:	<input type="checkbox"/> SMALL <input type="checkbox"/> MEDIUM <input checked="" type="checkbox"/> LARGE <input type="checkbox"/> > LARGE			T 11.2.1.1. B TO N
11.08	EXISTING BUILDING CLASSIFICATION:	CHANGE IN MAJOR OCCUPANCY: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NOT APPLICABLE (NO CHANGE OF MAJOR OCCUPANCY) CONSTRUCTION INDEX: N/A HAZARD INDEX: N/A IMPORTANCE CATEGORY: <input type="checkbox"/> LOW <input type="checkbox"/> NORMAL <input type="checkbox"/> HIGH <input type="checkbox"/> POST-DISASTER			11.2.1.1. T 11.2.1.1A T 11.2.1.1. B TO N 4.2.1.(3), 5.2.2.1.(2)
11.09	RENOVATION TYPE:	<input checked="" type="checkbox"/> BASIC RENOVATION <input type="checkbox"/> EXTENSIVE RENOVATION			11.3.3.1. & 11.3.3.2.
11.10	OCCUPANT LOAD:	OCCUPANCY USE: SECONDARY SCHOOL LOAD BASED ON: <input type="checkbox"/> m ² / PERSON <input checked="" type="checkbox"/> DESIGN OF BUILDING TOTAL OCCUPANT LOAD: 1890 (STUDENTS + STAFF)			3.2.17.
11.11	PLUMBING FIXTURE REQUIREMENTS:	OCCUPANT LOAD: 1890 RATIO: 1 FIXTURE / 30 MALES 1 FIXTURE / 26 FEMALES STUDENTS: 1750 (87M, 875F) MALE REQUIRED 29 FEMALE REQUIRED 34 STAFF: 140 (70M, 70F) MALE REQUIRED 3 FEMALE REQUIRED 3 TOTAL REQUIRED: 32 TOTAL PROVIDED: 37			3.7.4.
11.12	BARRIER FREE DESIGN:	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES			11.3.3.2.(2)
11.13	REDUCTION IN PERFORMANCE LEVEL:	STRUCTURAL: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES BY INCREASE IN OCCUPANT LOAD: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES BY CHANGE IN MAJOR OCCUPANCY: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES PLUMBING: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES SEWAGE SYSTEMS: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES EXTENSION OF COMBUSTIBLE CONSTRUCTION: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			11.4.2.1. 11.4.2.2. 11.4.2.3. 11.4.2.4. 11.4.2.5. 11.4.2.6.
11.14	COMPENSATING CONSTRUCTION:	<input type="checkbox"/> NO <input type="checkbox"/> YES STRUCTURAL: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES INCREASE IN OCCUPANT LOAD: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES CHANGE IN MAJOR OCCUPANCY: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES FOR ANY, PLEASE DESCRIBE PLUMBING: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES SEWAGE SYSTEMS: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES EXTENSION OF COMBUSTIBLE CONSTRUCTION: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			11.4.3.1. 11.4.3.2. 11.4.3.3. 11.4.3.4. 11.4.3.5. 11.4.3.6. 11.4.3.7.
11.15	COMPLIANCE ALTERNATIVES PROPOSED:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, PLEASE DESCRIBE			11.5.1.
11.16	NOTES:				

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ISSUED FOR TENDER
2022-03-31



Sir John A Macdonald Secondary School
CLASSROOM RENOVATIONS

650 Laurelwood Dr. Waterloo, ON

Project No.: 1036A
Drawn By: BC
Reviewed: 2022-03-31

GENERAL NOTES, O.B.C. MATRIX, WALL TYPES, LEGENDS, AND TYPICAL DETAILS

ROOM FINISH SCHEDULE

ACT	ACOUSTIC CEILING TILE	CN	CONCRETE	GMWB	GLASS MATT WALL BOARD	VCT	VINYL COMPOSITE TILE
CB	CONCRETE BLOCK	EX	EXISTING	P	PAINT	WD	WOOD
CF	CEILING FINISH	FF	FLOOR FINISH	RB	RUBBER BASE	WF	WALL FINISH
CM	CEILING MATERIAL	FM	FLOOR MATERIAL	S&V	STAIN & VARNISH	WM	WALL MATERIAL

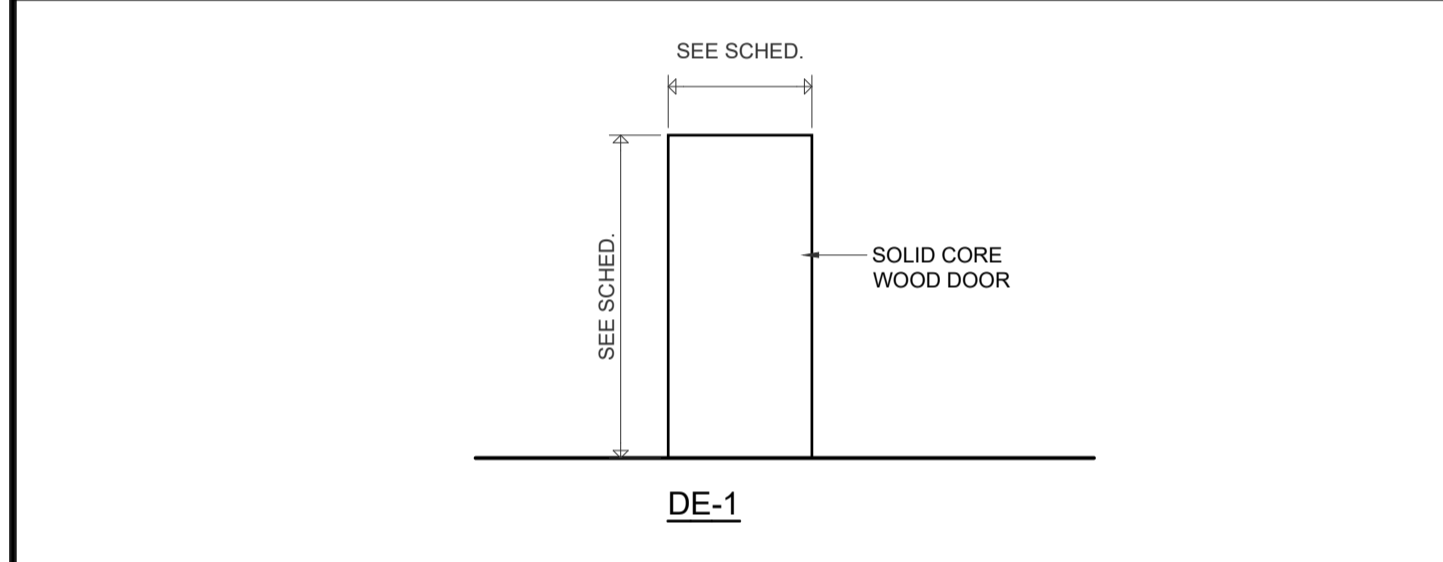
NOTES:
 1. PATCH AND MAKE GOOD ALL SURFACES WHERE DEMOLITION OCCURS. THIS WILL INCLUDE, BUT NOT BE LIMITED TO:
 - PATCHING WITH MATERIALS TO MATCH EXISTING
 - REFINISHING WITH MATERIALS TO MATCH EXISTING
 - PAINTING AND/OR REPAINTING SURFACE OVER THEIR ENTIRE PLANE, NOT JUST THE PATCH ITSELF
 2. PAINT ALL EXISTING PAINTED ROOMS AND FRAMES IN WALLS THAT ARE TO RECEIVE NEW PAINT

NO.	ROOM NAME	FLOOR			WALLS						CEILING		REMARKS		
		FM	FF	BASE	NORTH	EAST	SOUTH	WEST	CM	CF					
809	CORRIDOR	EX / CN	EX / VCT	EX / RB	EX	-	-	-	EX / CB	P	-	-	EX / GB	- / P	PAINT NEW CONCRETE PLUMBING CHASE TO MATCH EXISTING ADJACENT WALLS PATCH FLOOR AT NEW CONCRETE INFILL WITH NEW VCT TO MATCH EXISTING
820	CORRIDOR	EX	EX	EX / RB	EX	-	-	-	EX / CB	P	-	-	EX / GB	- / P	PAINT NEW CONCRETE PLUMBING CHASE TO MATCH EXISTING ADJACENT WALLS PATCH FLOOR AT NEW CONCRETE INFILL WITH NEW VCT TO MATCH EXISTING
840	CORRIDOR	EX	EX / VCT	EX / RB	EX	-	EX / CB	P	EX / CB	P	EX / CB	P	EX / GB	- / P	PAINT ENTIRETY OF BOTH NEW AND EXISTING GB CEILING PATCH FLOOR AT NEW DOOR ALCOVE WITH NEW VCT TO MATCH EXISTING
3600	NEW SCIENCE LAB	EX	EX / VCT	EX / RB	EX / CB / GMWB	P	EX / CB	P	EX / CB	P	EX / CB	P	ACT	-	PATCH FLOOR AT DEMOLISHED MILLWORK WITH NEW VCT TO MATCH EXISTING
3600A	NEW CLASSROOM VESTIBULE	EX	EX	EX / RB	EX / CB	P	EX / CB	P	EX	P	EX	P	EX	-	
3600B	NEW CLASSROOM VESTIBULE	EX	EX	EX / RB	EX	P	EX	P	EX	P	EX / CB	P	EX	-	

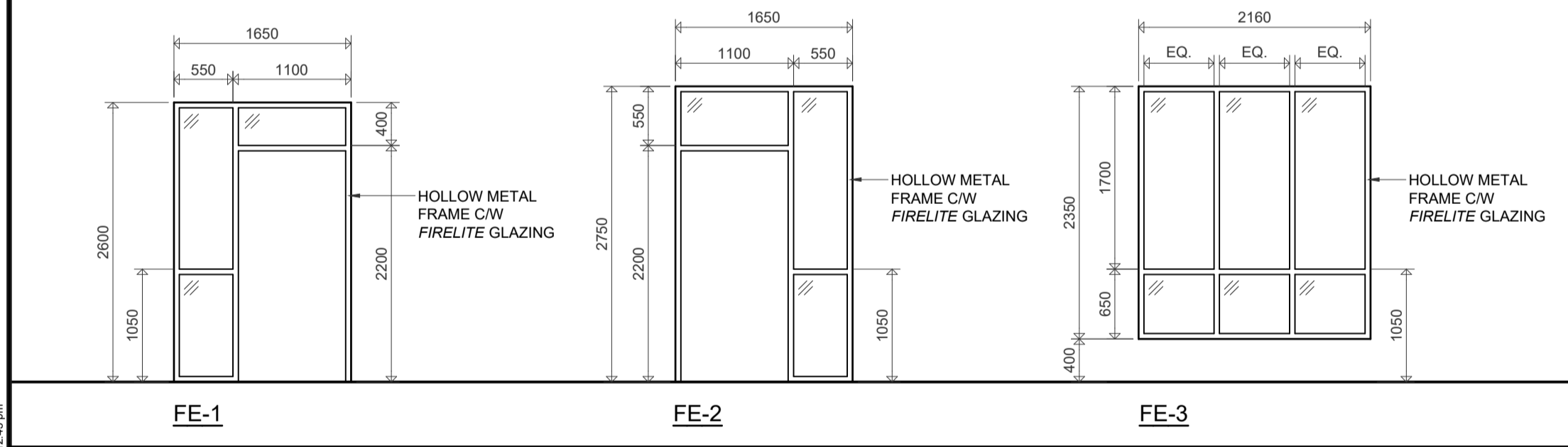
DOOR AND FRAME SCHEDULE

ANOD.	ANODIZED ALUMINUM	DM	DOOR MATERIAL	FF	FRAME FINISH	INSUL.	INSULATED GLAZING	S&V	STAIN & VARNISH
ALUM.	ALUMINUM	EX	EXISTING	FM	FRAME MATERIAL	MIN	MINUTE	T	THICKNESS
DE	DOOR ELEVATION	FD	FRAME DETAIL	H	HEIGHT	PAINT	PAINT	TEMP.	TEMPERED GLASS
DF	DOOR FINISH	FE	FRAME ELEVATION	HM	HOLLOW METAL	P	SWC	W	WIDTH

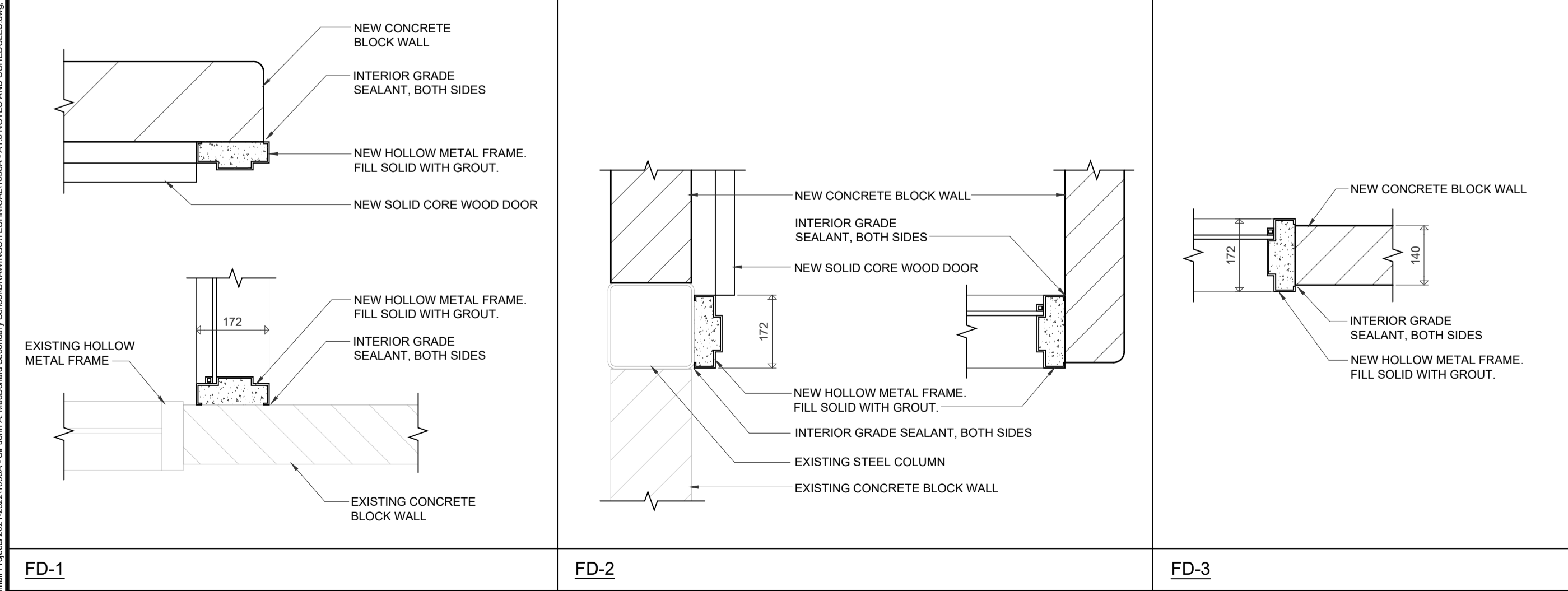
DOOR	SIZE (WxHxT)	DE	DM	DF	GLASS	LABEL	FRAME	HARDWARE	REMARKS
3600-1	950x2134x45	DE-1	SWC	S&V	FIRELITE	45 MIN.	FE-1	HM	FD-1 P PANIC YES YES
3600-2	950x2134x45	DE-1	SWC	S&V	FIRELITE	45 MIN.	FE-2	HM	FD-2 P PANIC YES YES
3600-3	WINDOW SCREEN				FIRELITE	45 MIN.	FE-3	HM	FD-3 P - - -



1 DOOR ELEVATIONS 1:50



2 FRAME ELEVATIONS 1:50



3 FRAME DETAILS 1:10

ROOM FINISH SCHEDULE - ITEMIZED PRICE #1 - REFER TO SPECIFICATIONS

ACT	ACOUSTIC CEILING TILE	CN	CONCRETE	GMWB	GLASS MATT WALL BOARD	VCT	VINYL COMPOSITE TILE
CB	CONCRETE BLOCK	EX	EXISTING	P	PAINT	WD	WOOD
CF	CEILING FINISH	FF	FLOOR FINISH	RB	RUBBER BASE	WF	WALL FINISH
CM	CEILING MATERIAL	FM	FLOOR MATERIAL	S&V	STAIN & VARNISH	WM	WALL MATERIAL

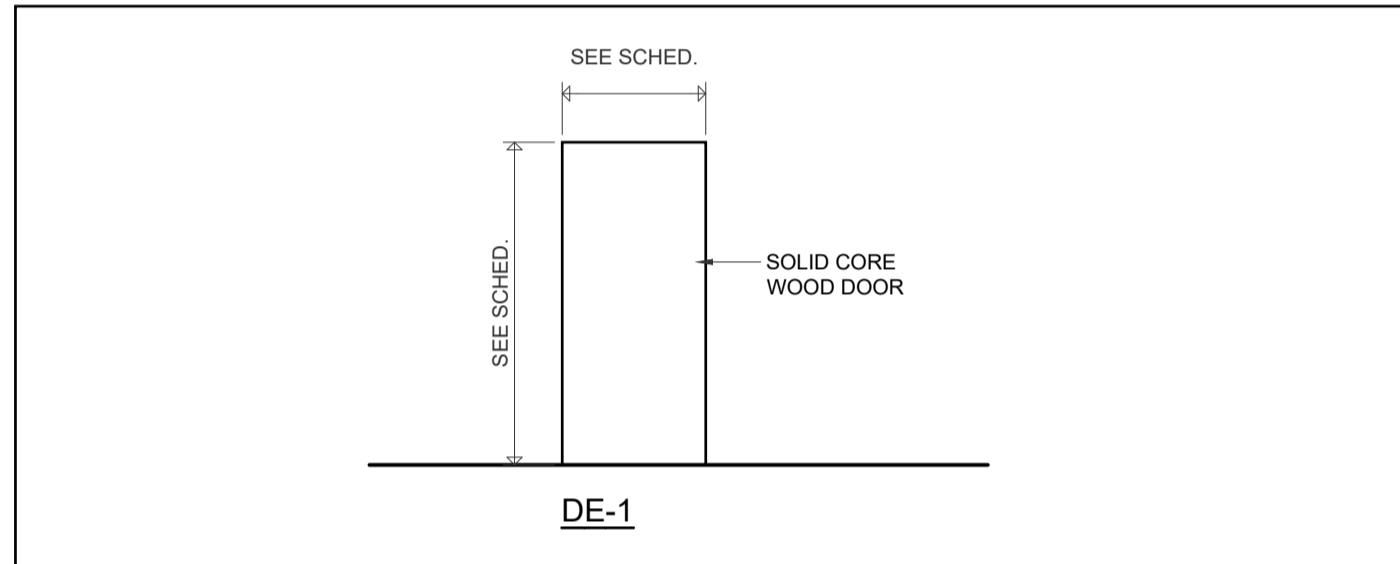
NOTES:
 1. PATCH AND MAKE GOOD ALL SURFACES WHERE DEMOLITION OCCURS. THIS WILL INCLUDE, BUT NOT BE LIMITED TO:
 - PATCHING WITH MATERIALS TO MATCH EXISTING
 - REFINISHING WITH MATERIALS TO MATCH EXISTING
 - PAINTING AND/OR REPAINTING SURFACE OVER THEIR ENTIRE PLANE, NOT JUST THE PATCH ITSELF
 2. PAINT ALL EXISTING PAINTED ROOMS AND FRAMES IN WALLS THAT ARE TO RECEIVE NEW PAINT

NO.	ROOM NAME	FLOOR			WALLS						CEILING		REMARKS		
		FM	FF	BASE	NORTH	EAST	SOUTH	WEST	CM	CF					
2600	NEW CLASSROOM	EX	EX / VCT	EX / RB	EX	P	EX / CB	P	EX / CB	P	EX / CB	P	EX / ACT / GB	- / - / P	PAINT ENTIRETY OF BOTH NEW AND EXISTING GB CEILING. PATCH FLOOR AT DEMOLISHED MILLWORK WITH NEW VCT TO MATCH EXISTING
2600A	NEW CLASSROOM VESTIBULE	EX	EX	EX / RB	EX / CB	P	EX / CB	P	EX	P	EX	P	EX	-	
2600B	NEW CLASSROOM VESTIBULE	EX	EX	EX / RB	EX	P	EX	P	EX	P	EX / CB	P	EX	-	
2700	NEW CLASSROOM	EX	EX / VCT	EX / RB	EX	P	EX / CB	P	EX / CB	P	EX / CB	P	EX / ACT / GB	- / - / P	PAINT ENTIRETY OF BOTH NEW AND EXISTING GB CEILING. PATCH FLOOR AT DEMOLISHED MILLWORK WITH NEW VCT TO MATCH EXISTING
2700A	NEW CLASSROOM VESTIBULE	EX	EX	EX / RB	EX / CB	P	EX / CB	P	EX	P	EX	P	EX	-	
2700B	NEW CLASSROOM VESTIBULE	EX	EX	EX / RB	EX	P	EX	P	EX	P	EX / CB	P	EX	-	

DOOR AND FRAME SCHEDULE - ITEMIZED PRICE #1 - REFER TO SPECIFICATIONS

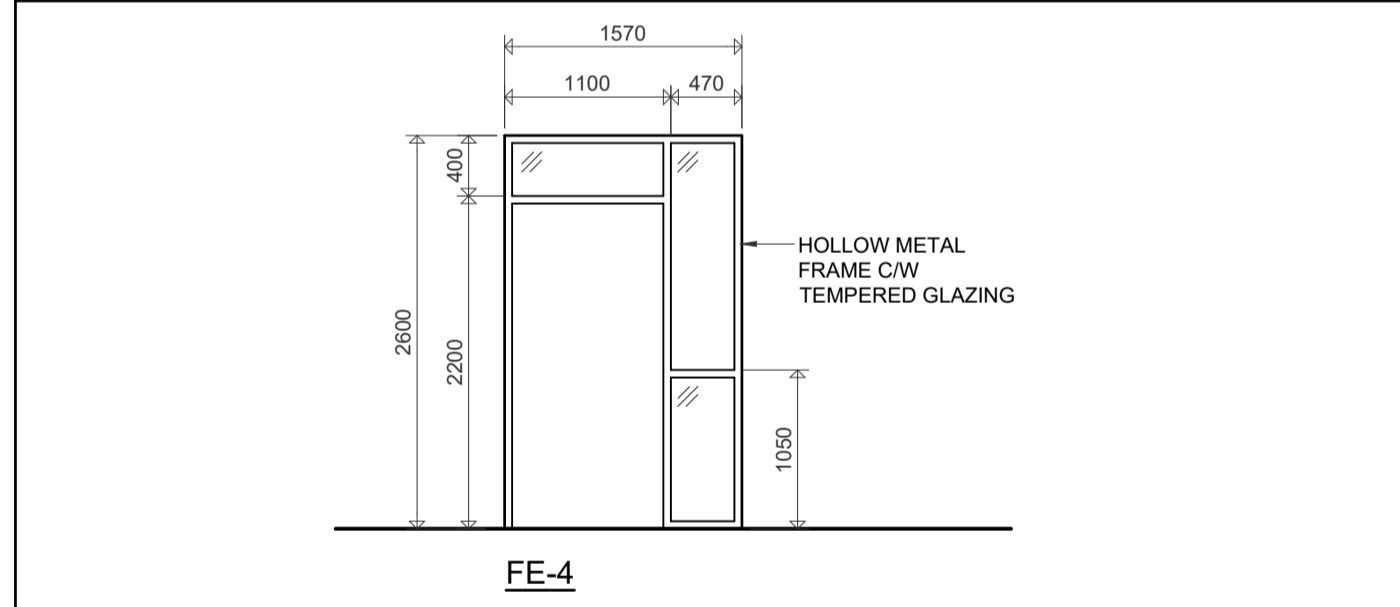
ANOD.	ANODIZED ALUMINUM	DM	DOOR MATERIAL	FF	FRAME FINISH	INSUL.	INSULATED GLAZING	S&V	STAIN & VARNISH
ALUM.	ALUMINUM	EX	EXISTING	FM	FRAME MATERIAL	MIN	MINUTE	T	THICKNESS
DE	DOOR ELEVATION	FD	FRAME DETAIL	H	HEIGHT	PAINT	PAINT	TEMP.	TEMPERED GLASS
DF	DOOR FINISH	FE	FRAME ELEVATION	HM	HOLLOW METAL	P	SWC	W	WIDTH

DOOR	SIZE (WxHxT)	DE	DM	DF	GLASS	LABEL	FRAME	HARDWARE	REMARKS
2600-1	950x2134x45	DE-1	SWC	S&V	TEMP.	-	FE-4	HM	FD-4 P LEVER YES YES
2700-1	950x2134x45	DE-1	SWC	S&V	TEMP.	-	FE-4	HM	FD-4 P LEVER YES YES



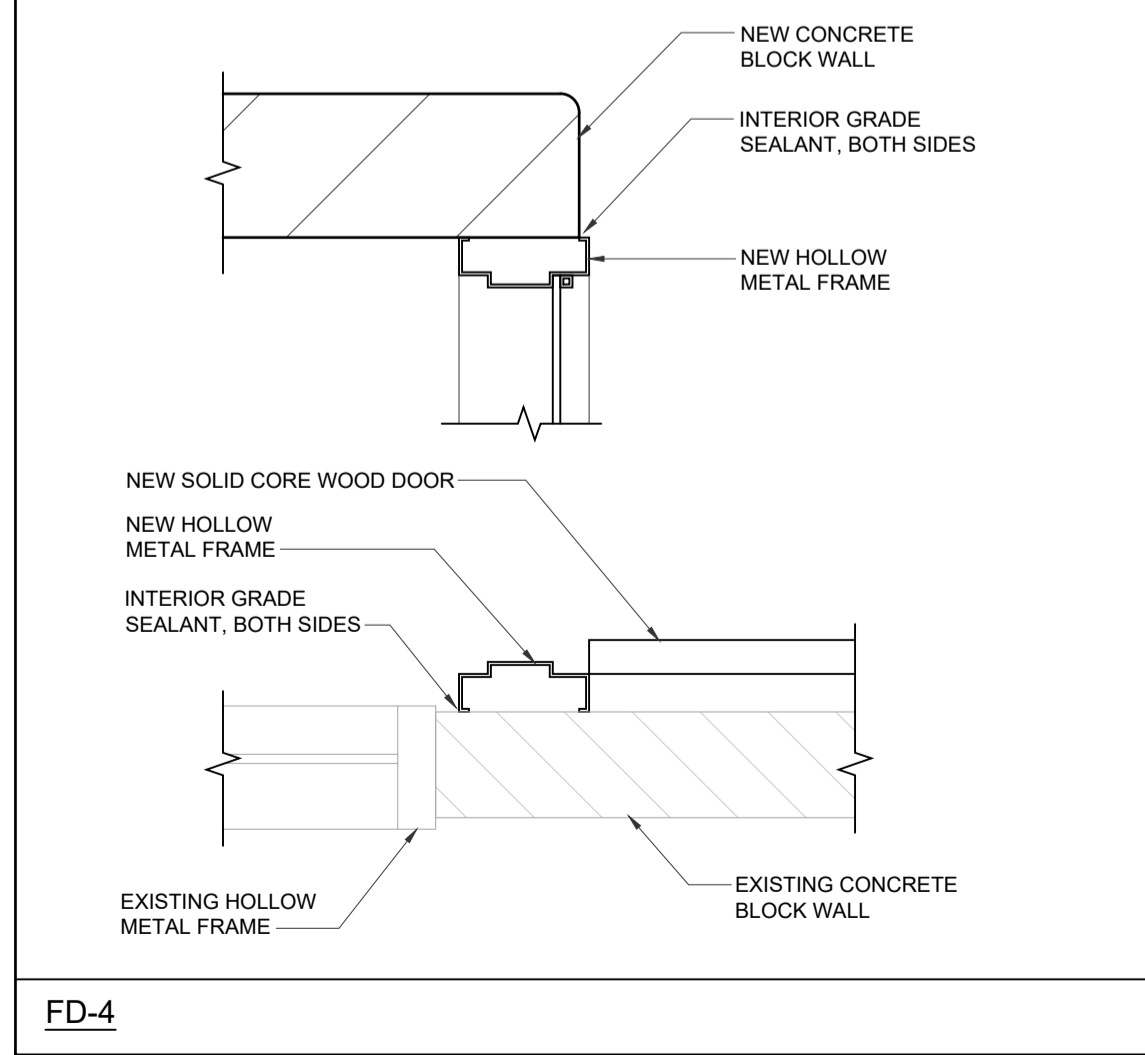
ITEMIZED PRICE #1 - REFER TO SPECIFICATIONS

4 DOOR ELEVATIONS 1:50



ITEMIZED PRICE #1 - REFER TO SPECIFICATIONS

5 FRAME ELEVATIONS 1:50



ITEMIZED PRICE #1 - REFER TO SPECIFICATIONS

6 FRAME DETAILS 1:10

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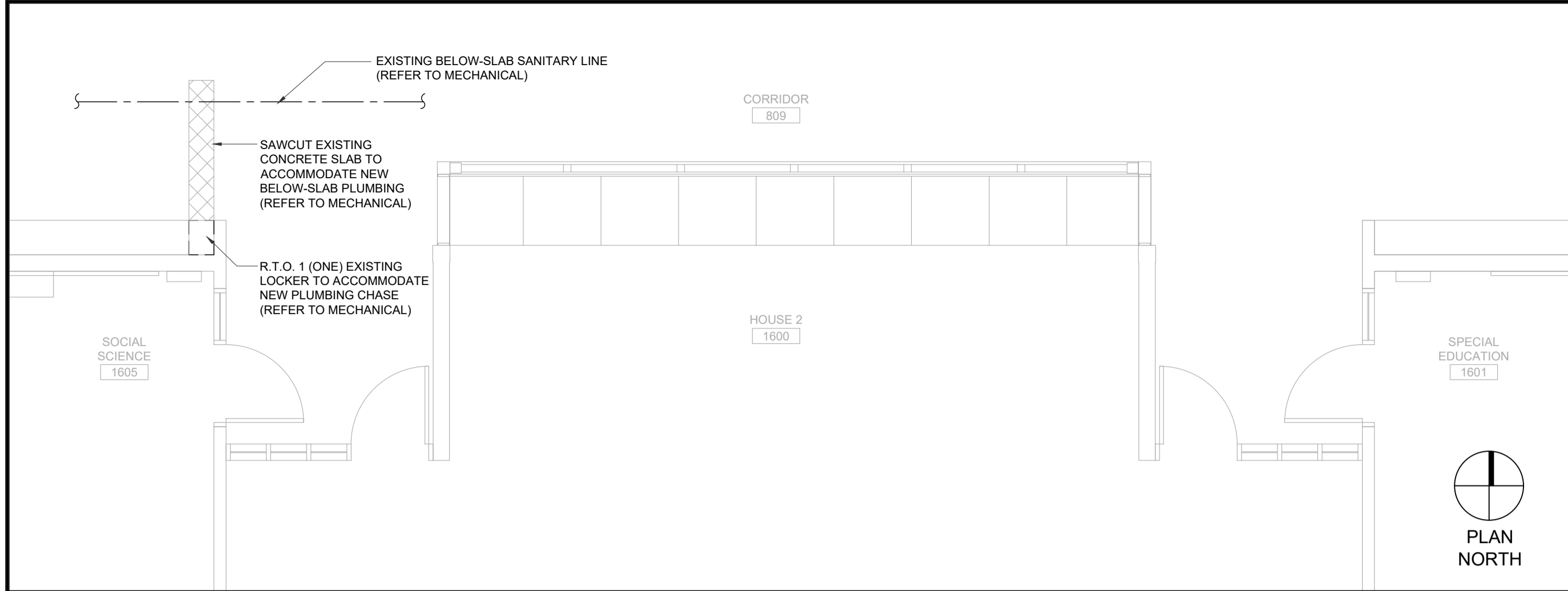


Sir John A Macdonald Secondary School
 CLASSROOM RENOVATIONS

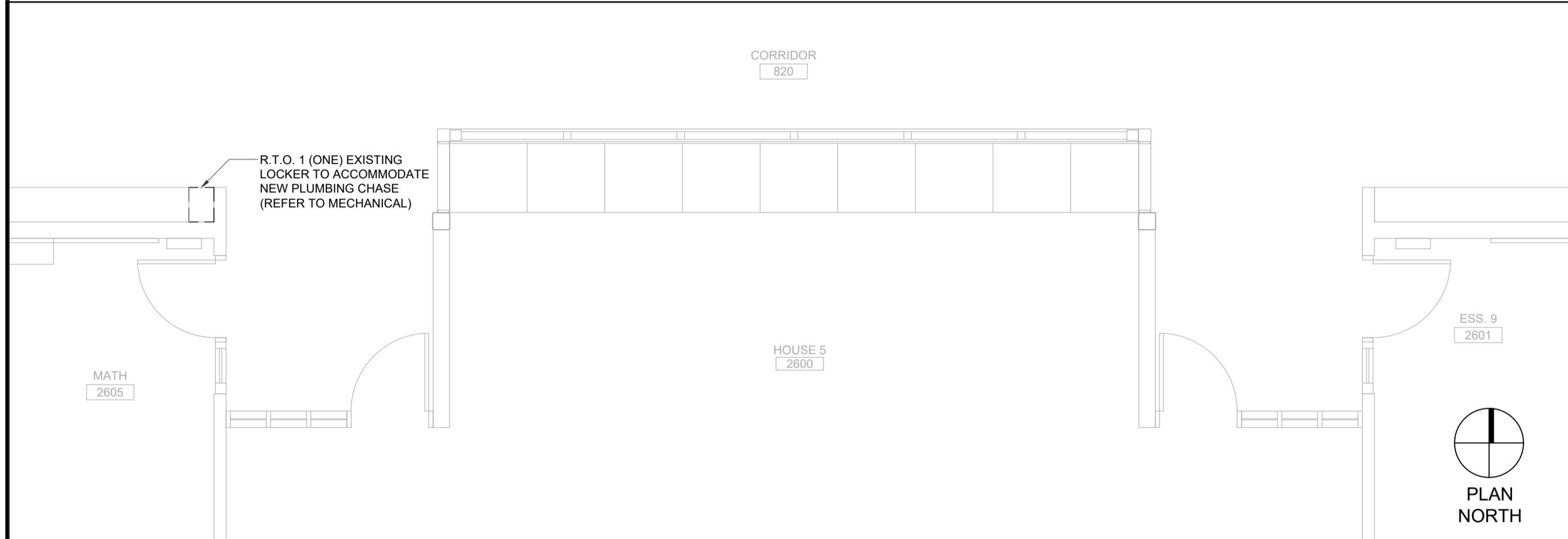
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 Project No.: 1036A
 Drawn By: BC
 Reviewed: 2022-03-31

**ROOM FINISH SCHEDULES,
 DOOR SCHEDULE, DOOR AND FRAME DETAILS**

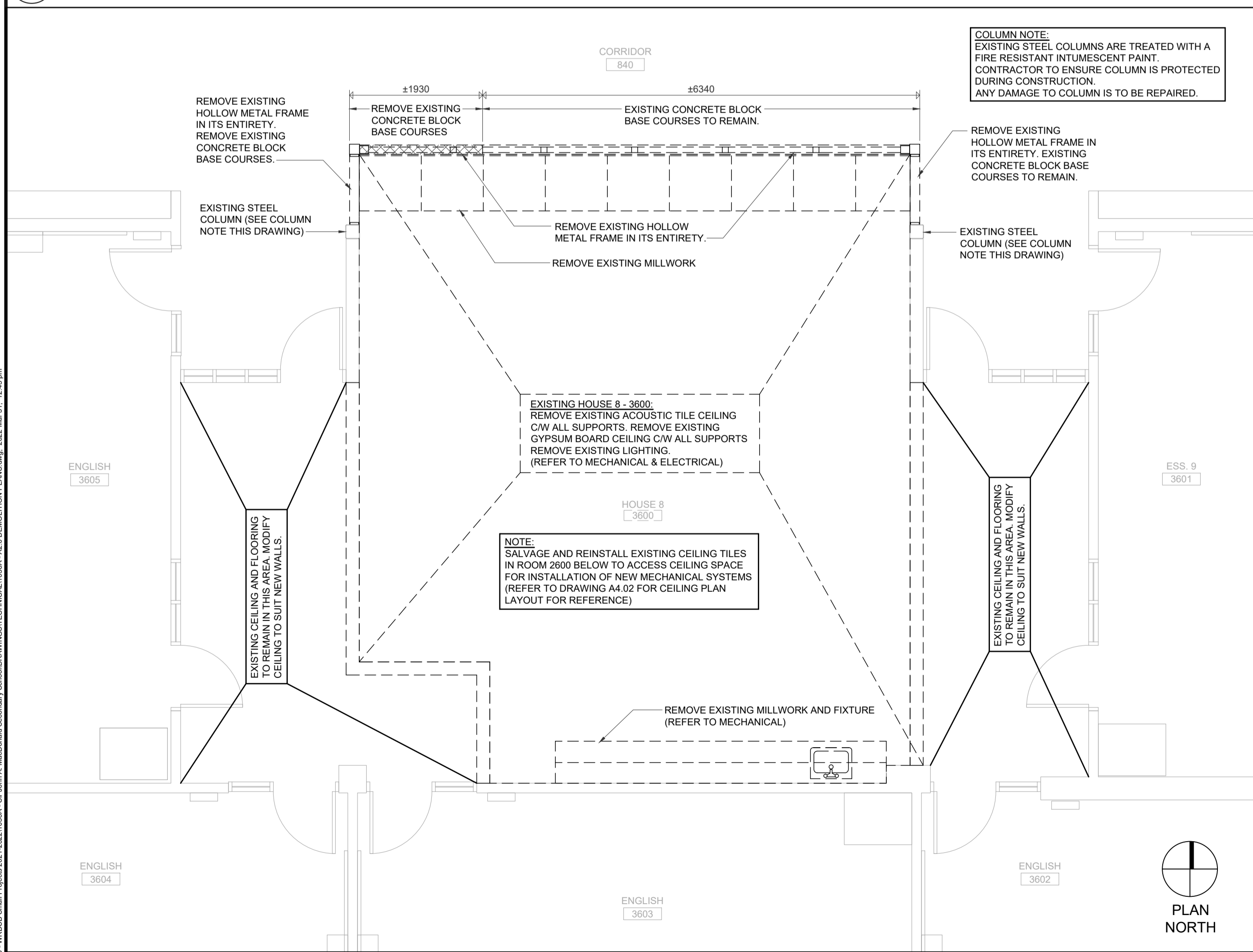
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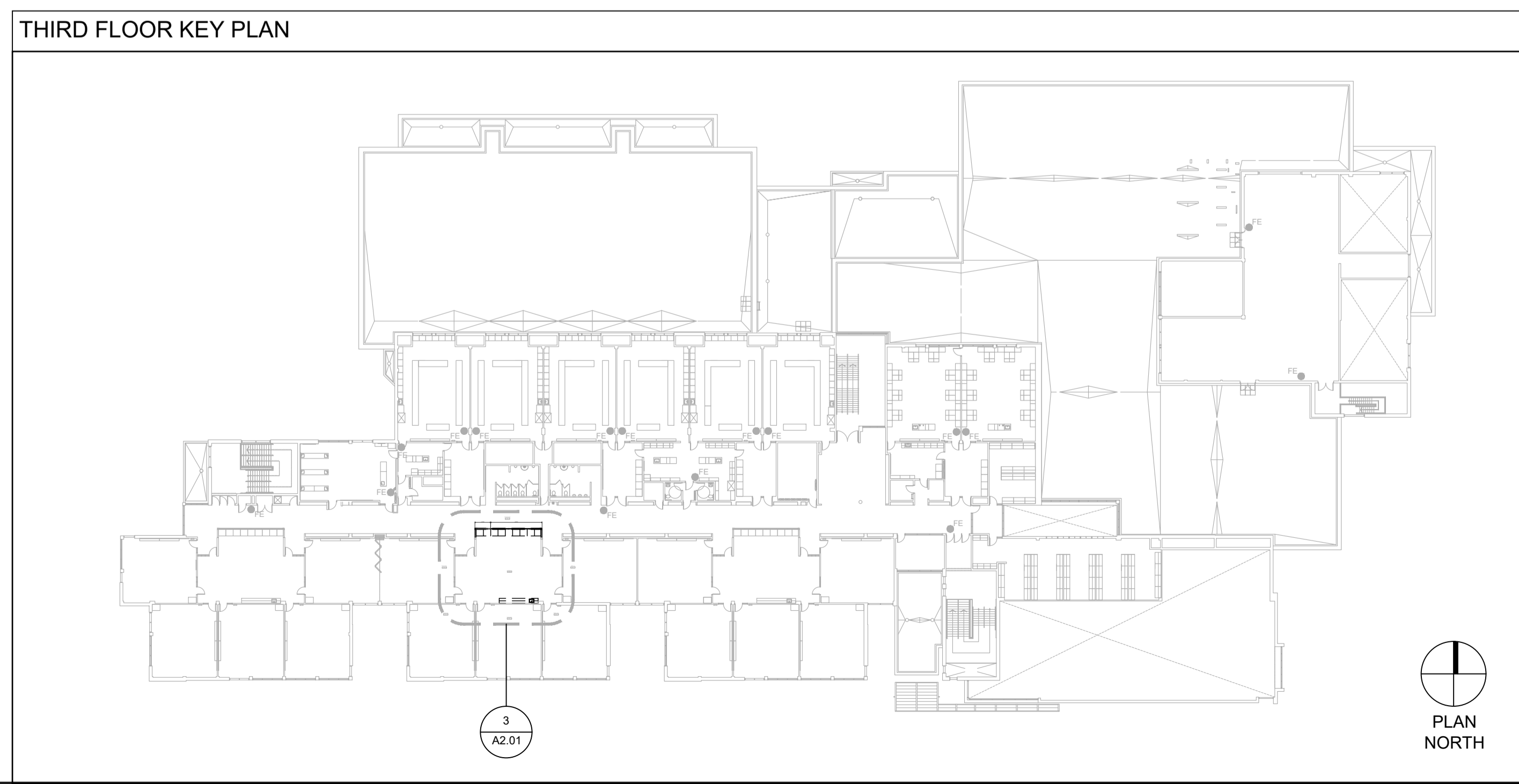
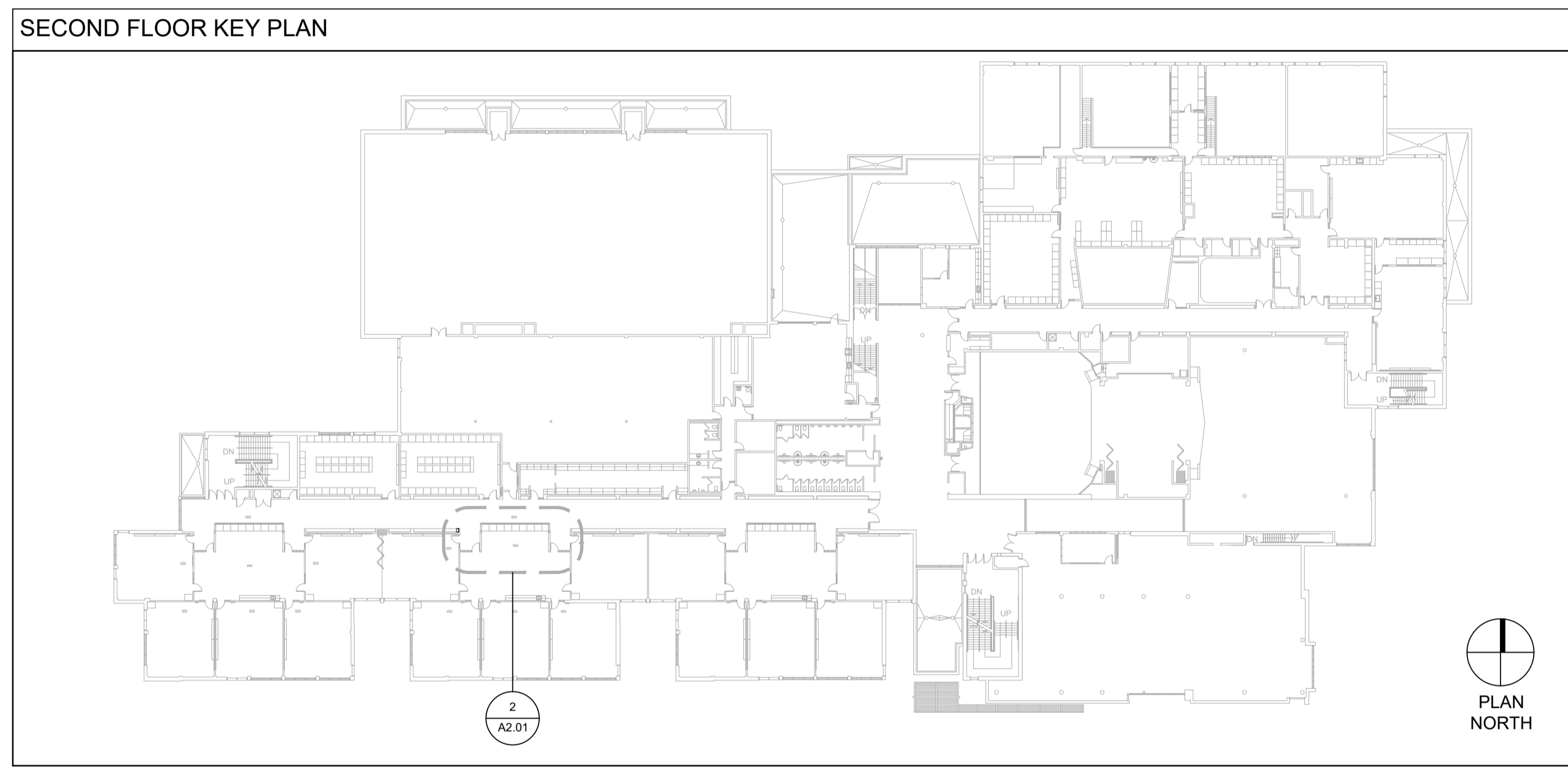
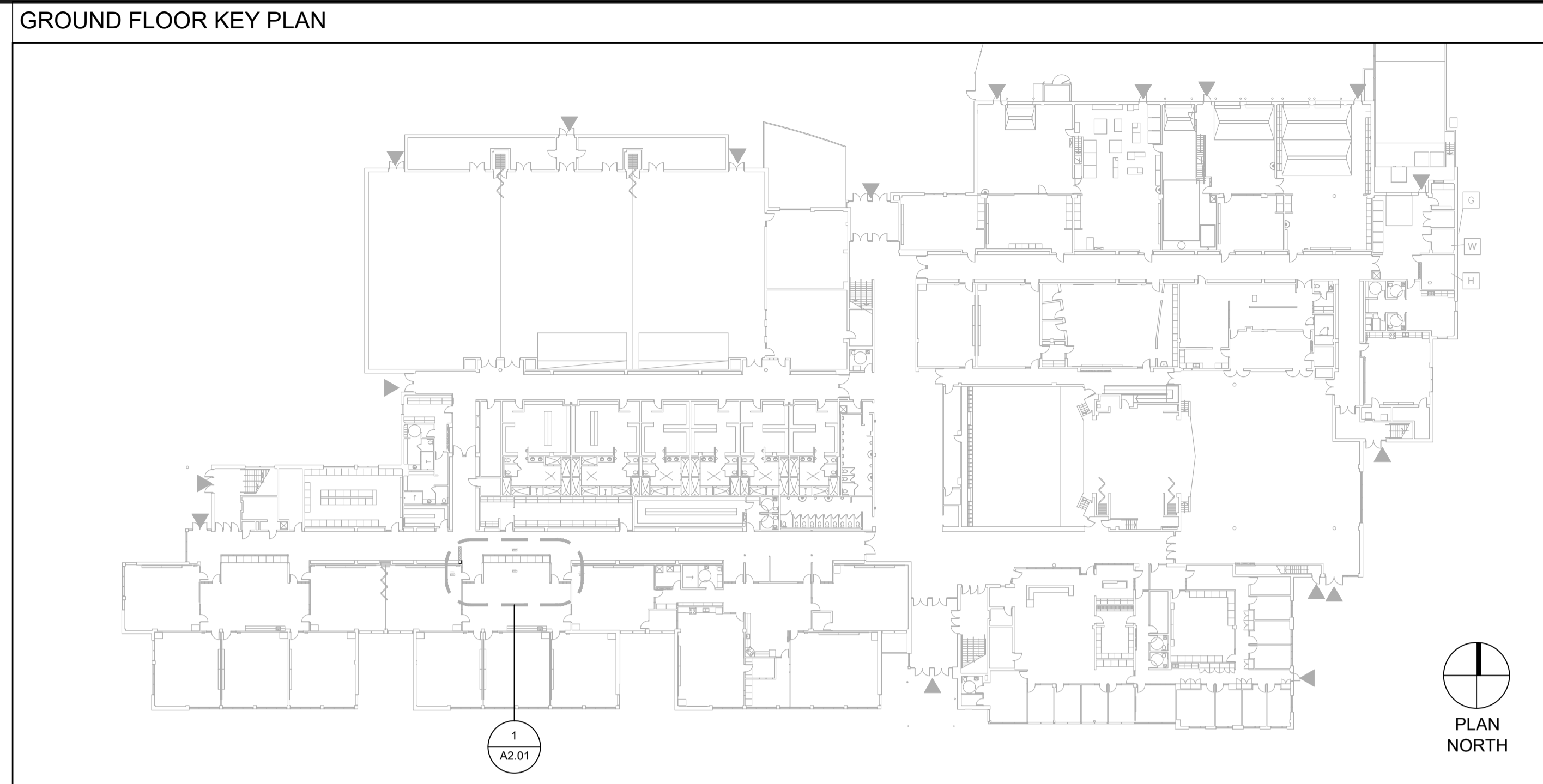
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2 PARTIAL SECOND FLOOR PLAN - DEMOLITION 1:50



3 PARTIAL THIRD FLOOR PLAN - DEMOLITION 1:50



W:\projects\1036 - Waterloo Region District School Board - Sir John A. Macdonald Secondary School Classroom Renovations\1036 - A2.01 DEMO PARTIAL FLOOR PLANS.dwg 2022 Mar 31 12:45 pm

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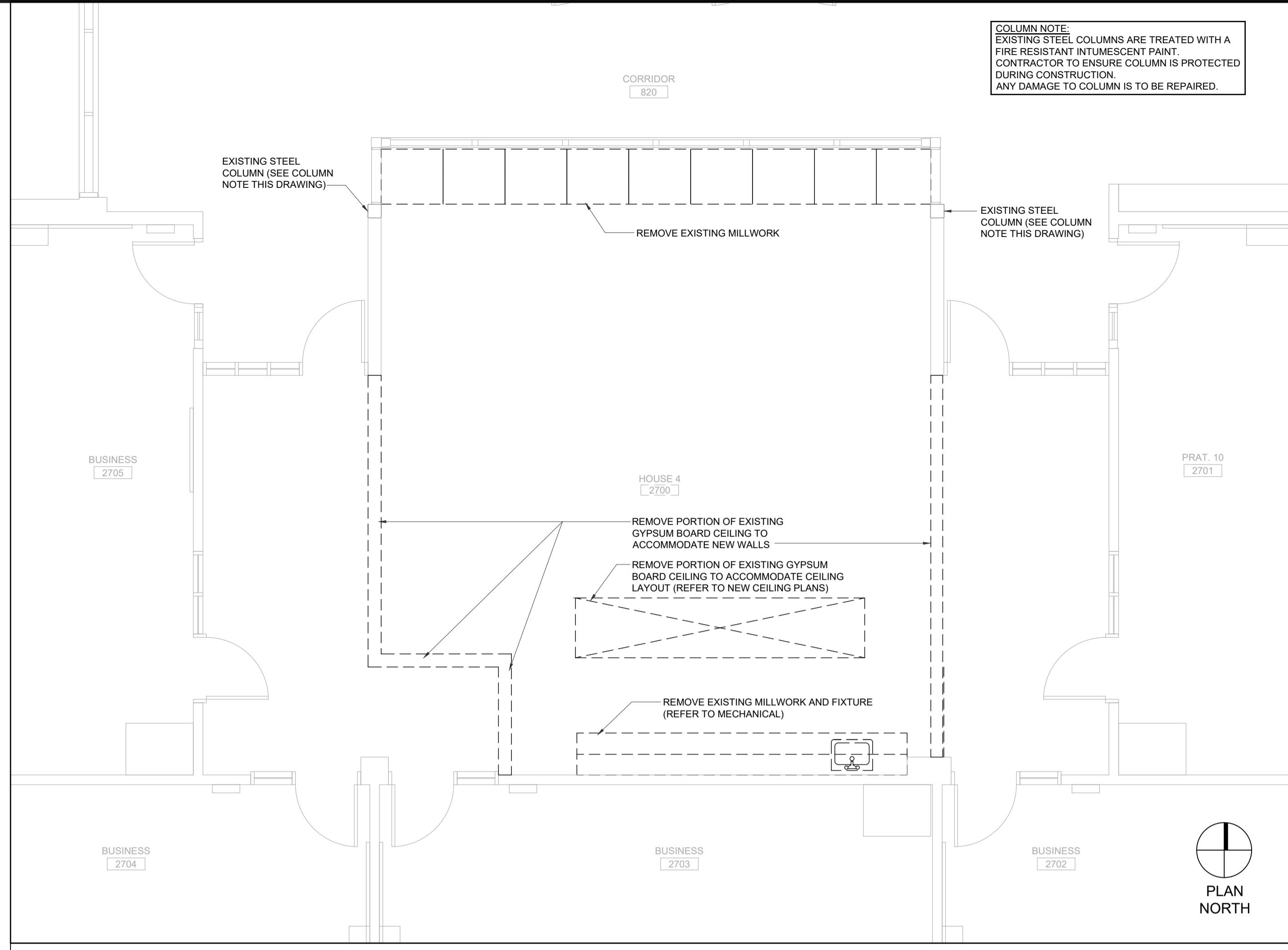
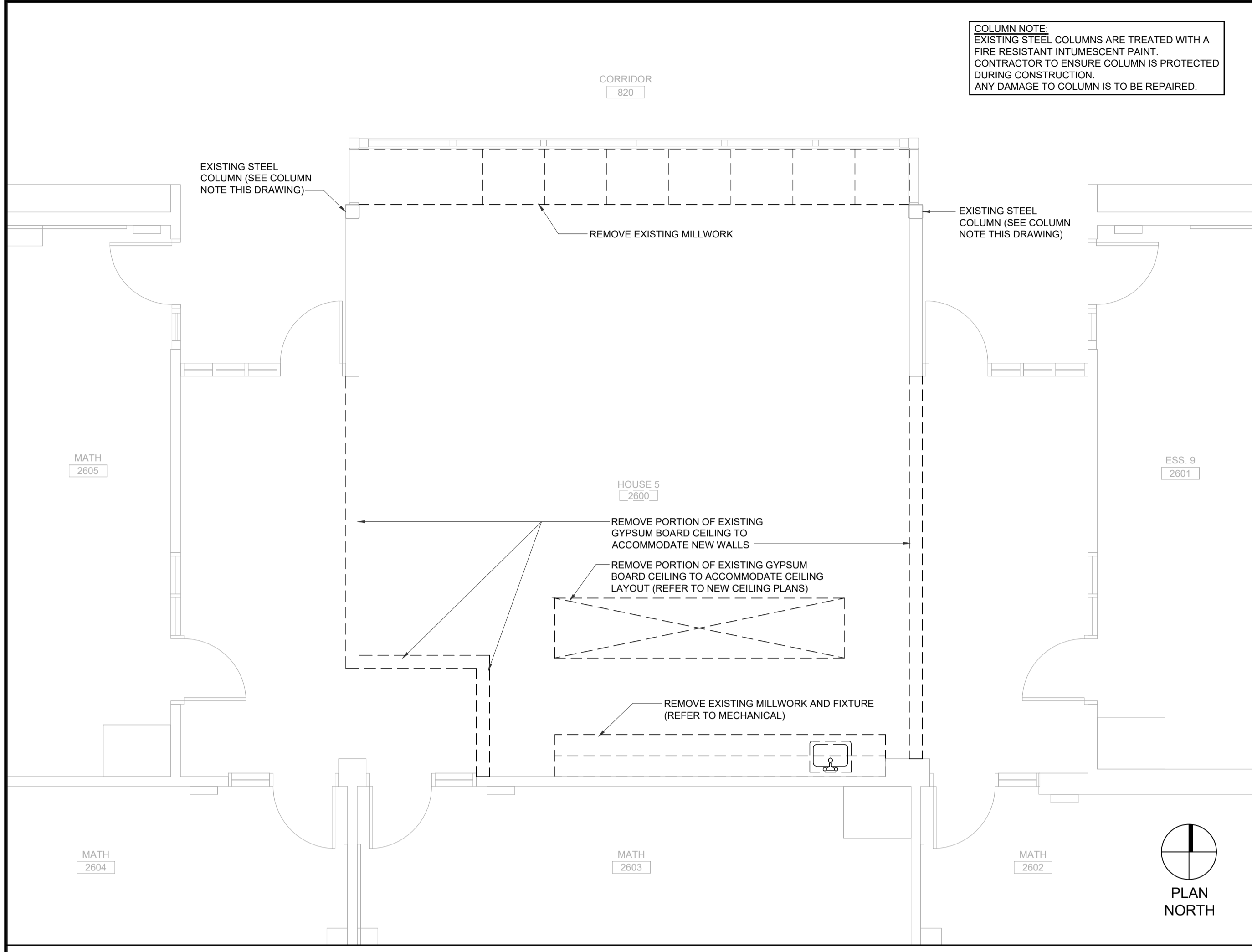
Sir John A Macdonald Secondary School
CLASSROOM RENOVATIONS

650 Laurelwood Dr. Waterloo, ON

Project No.: 1036A
Drawn By: BC
Reviewed: 2022-3-31

PARTIAL FLOOR PLANS - DEMOLITION

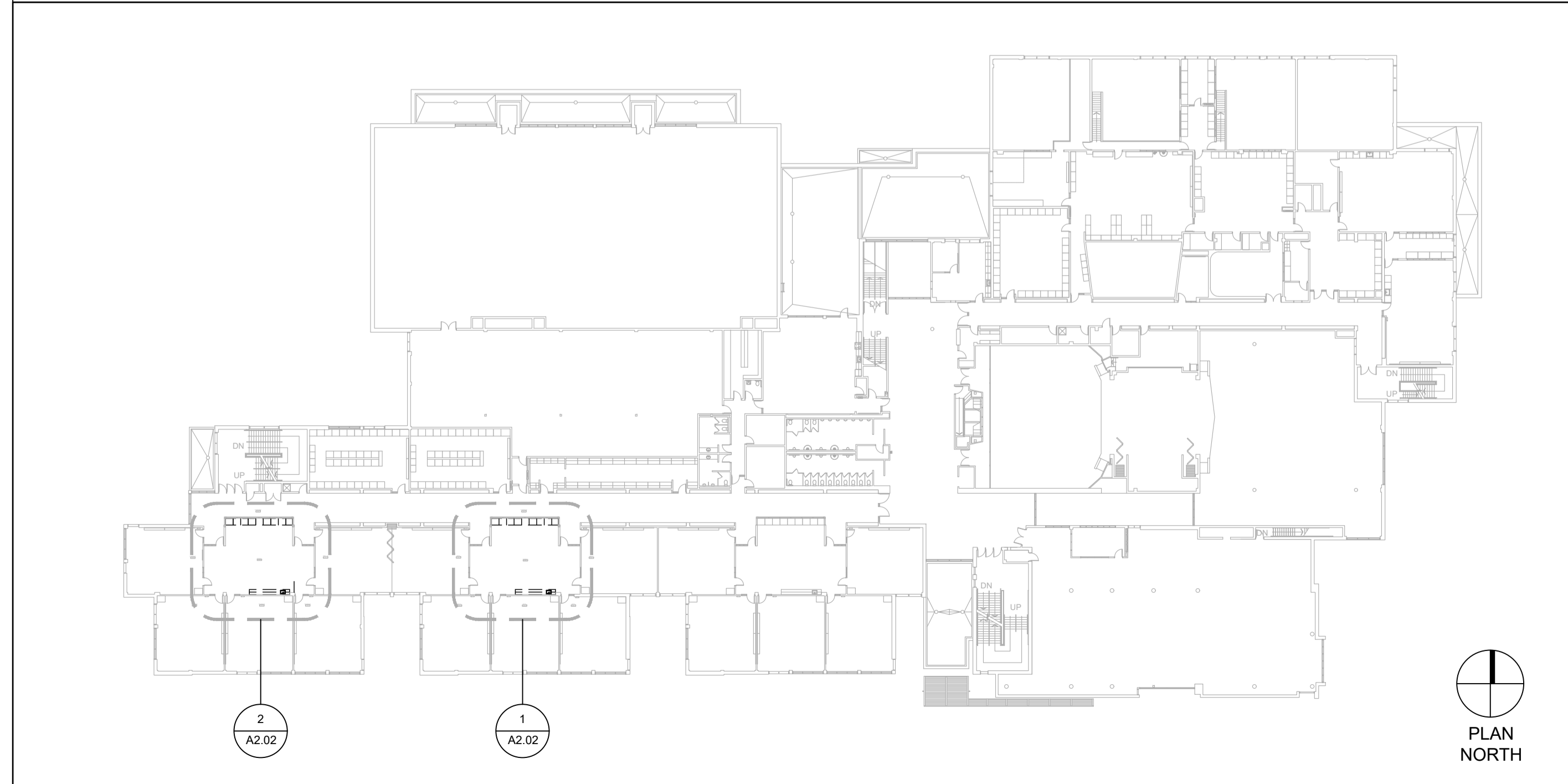
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ITEMIZED PRICE #1 - REFER TO SPECIFICATIONS
 1 PARTIAL SECOND FLOOR PLAN - DEMOLITION
 A2.02 1:50

ITEMIZED PRICE #1 - REFER TO SPECIFICATIONS
 2 PARTIAL SECOND FLOOR PLAN - DEMOLITION
 A2.02 1:50

SECOND FLOOR KEY PLAN - ITEMIZED PRICE #1 - REFER TO SPECIFICATIONS



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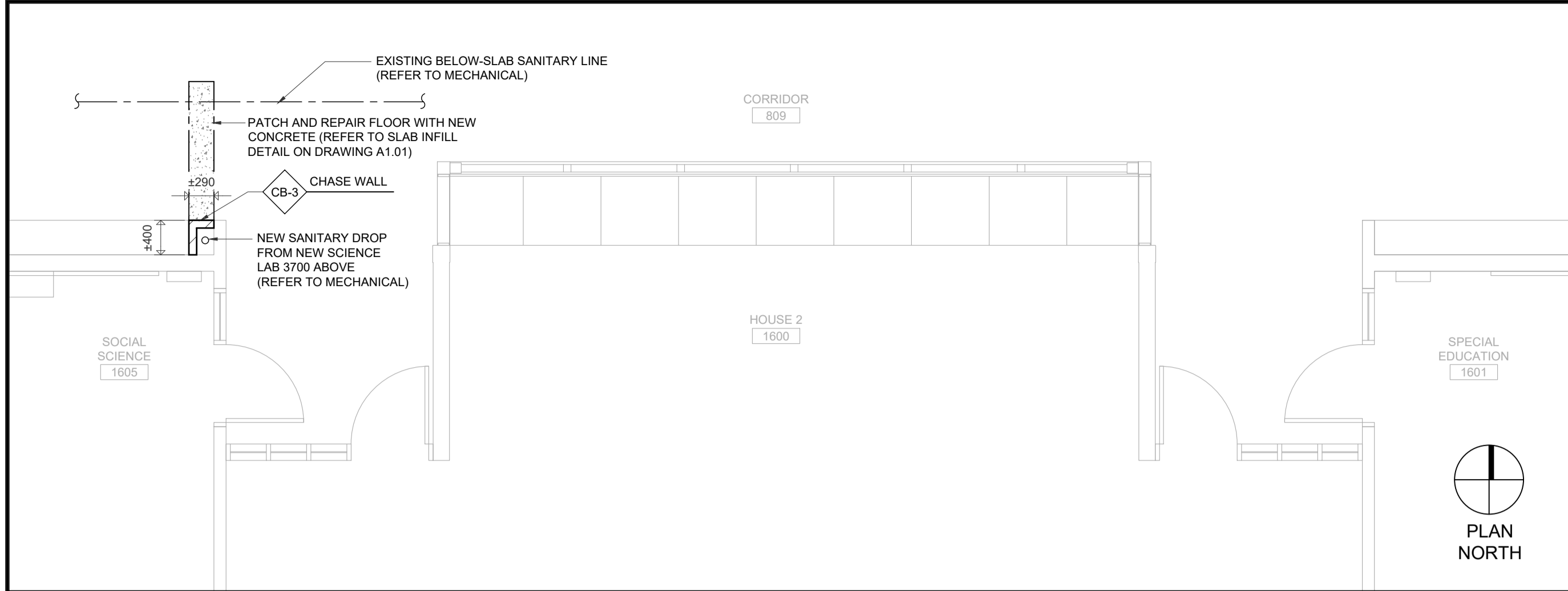
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Project No.: 1036A
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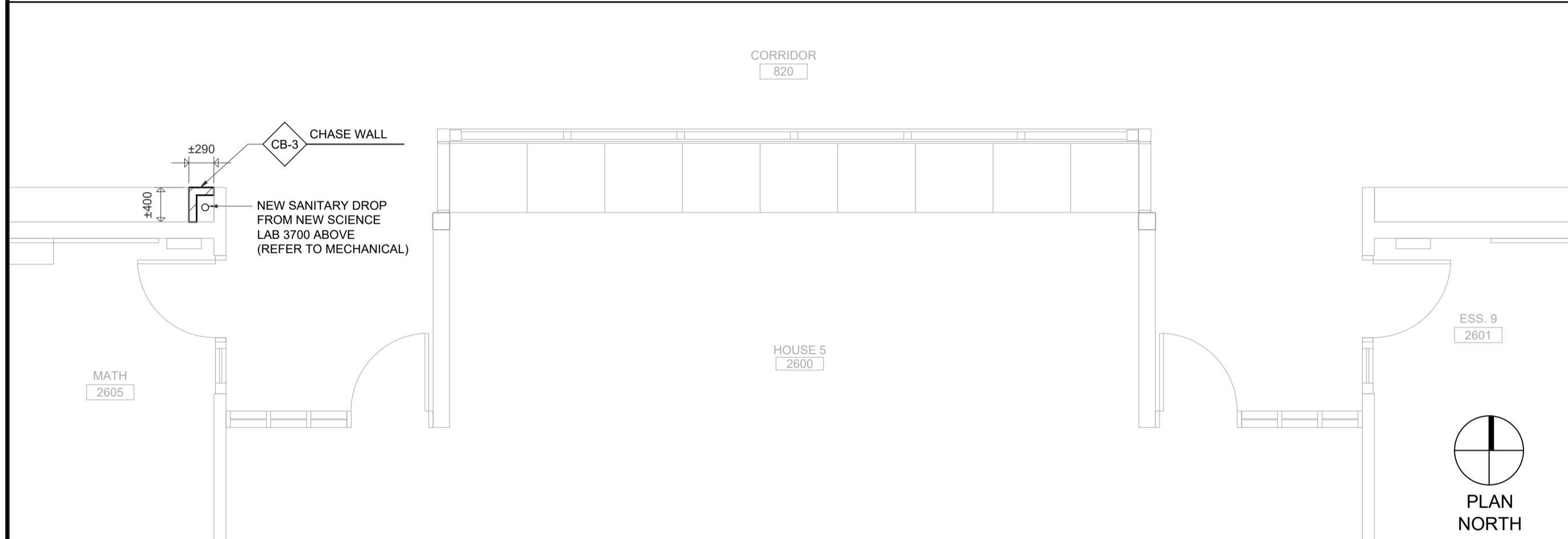
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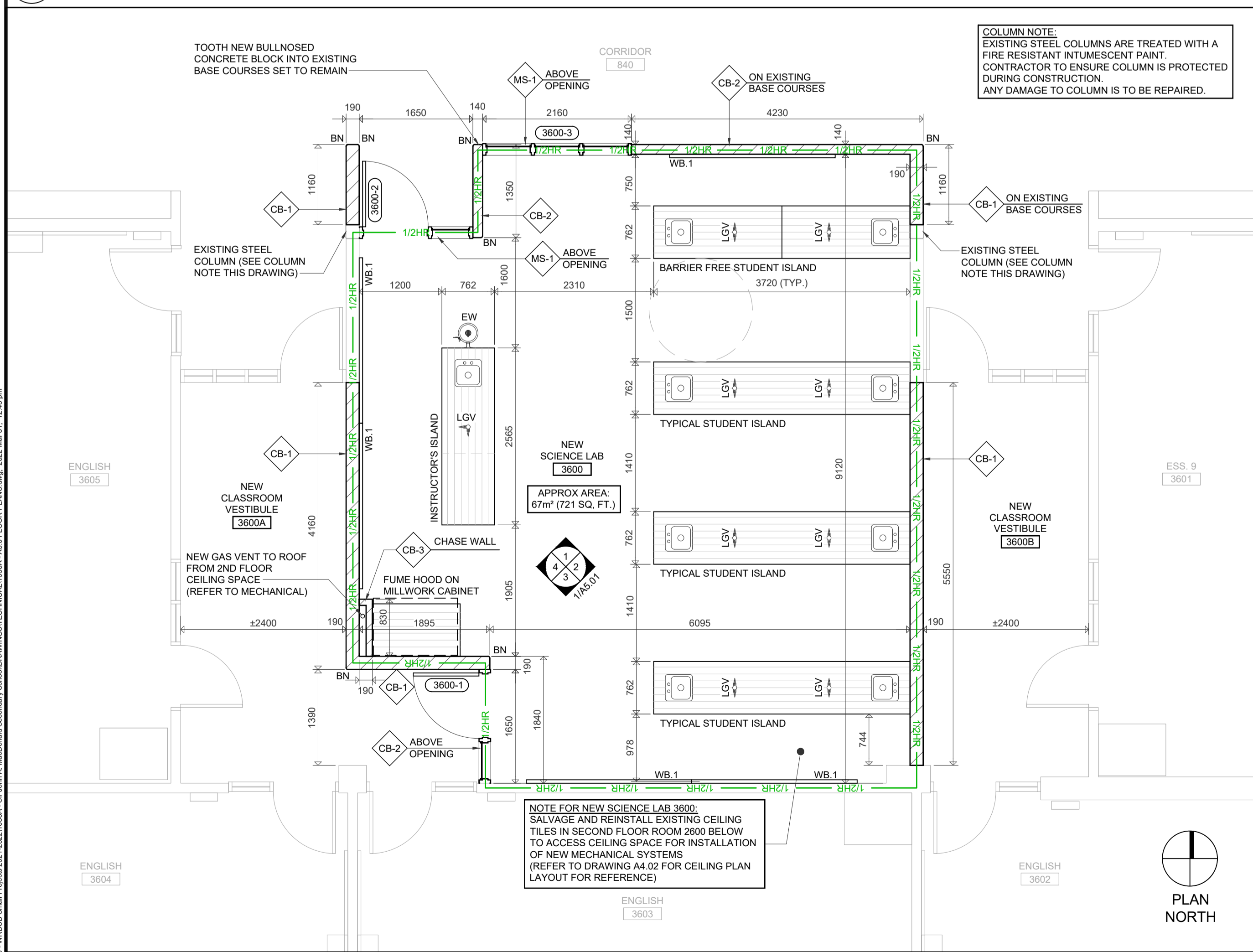
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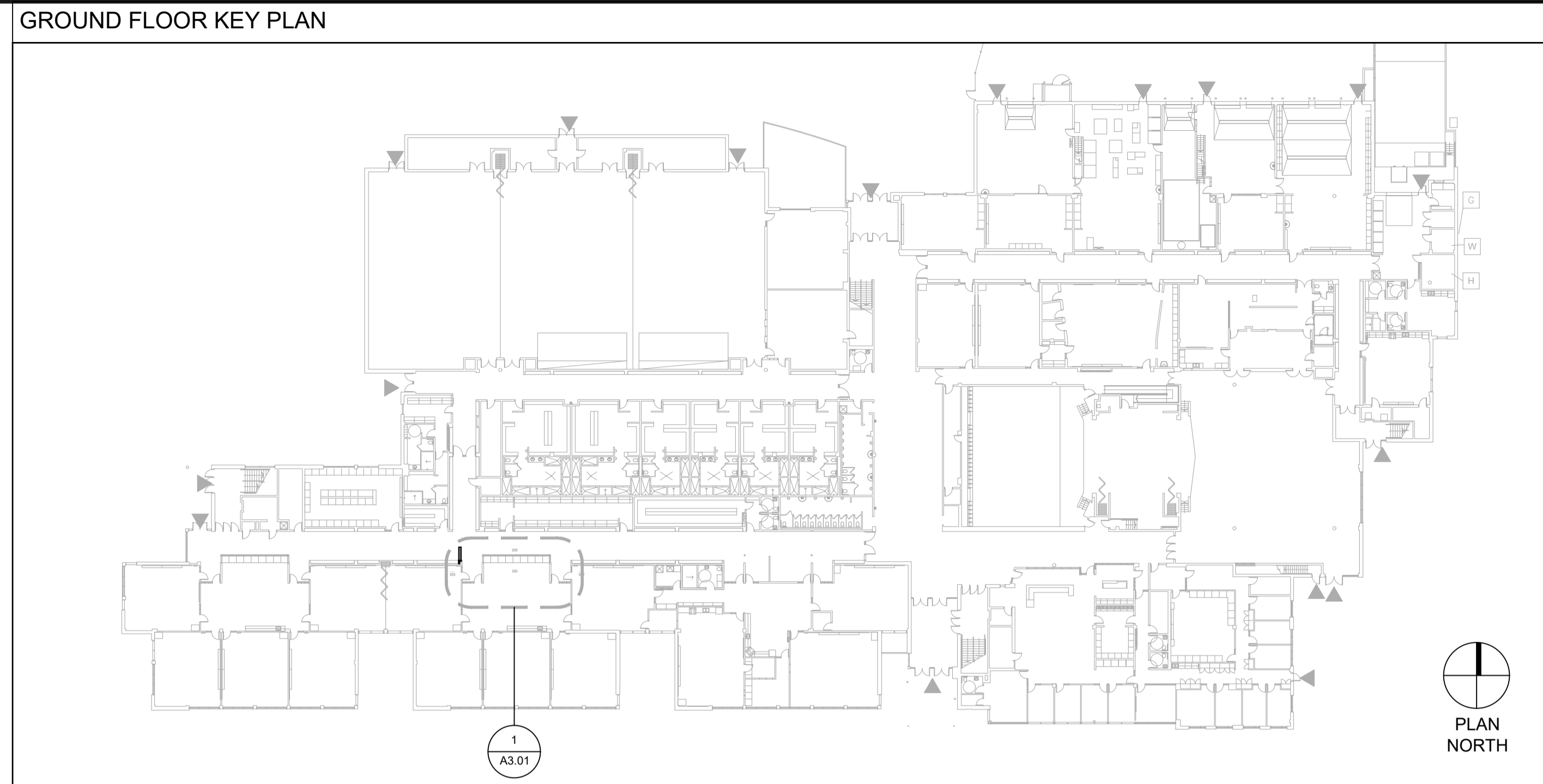
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A3.01



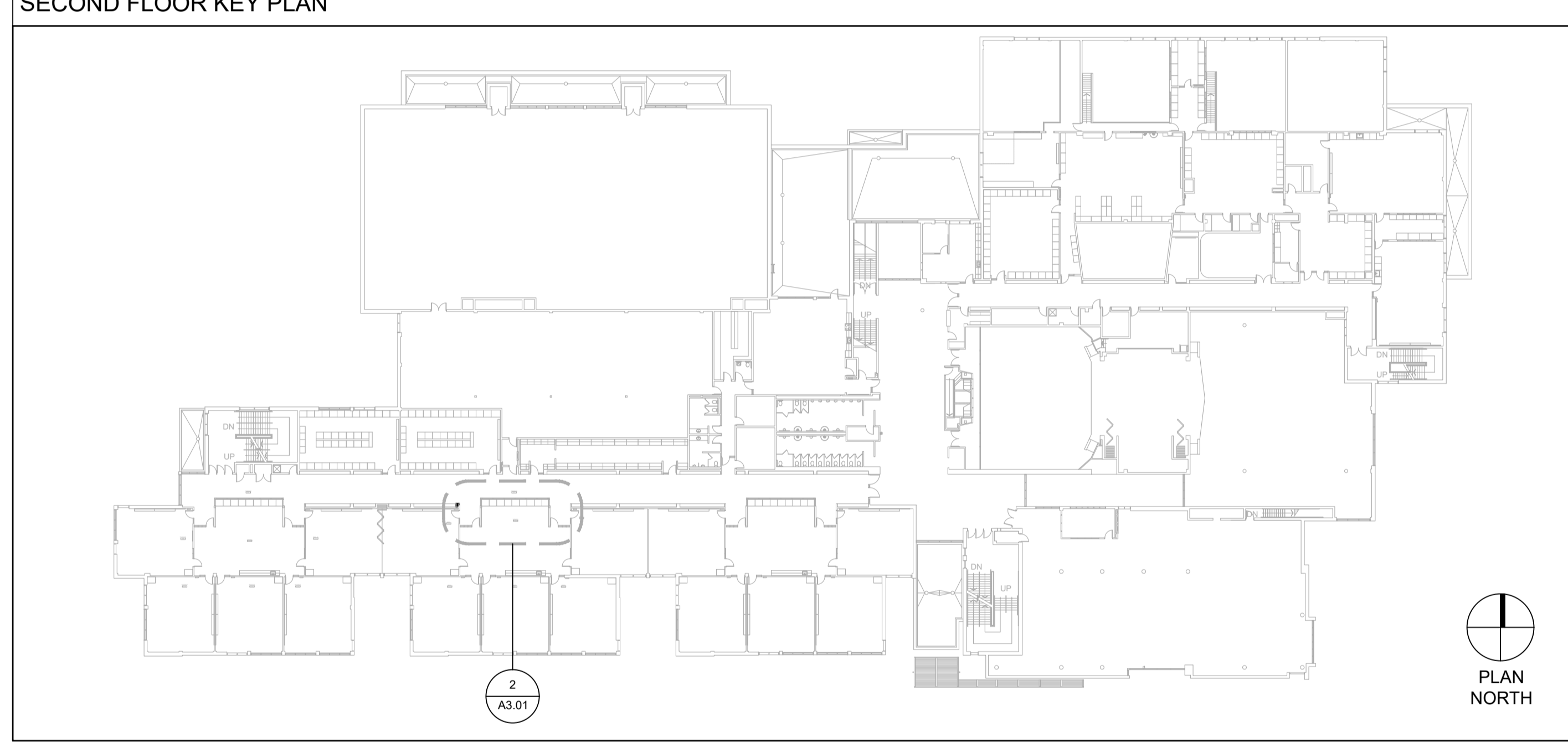
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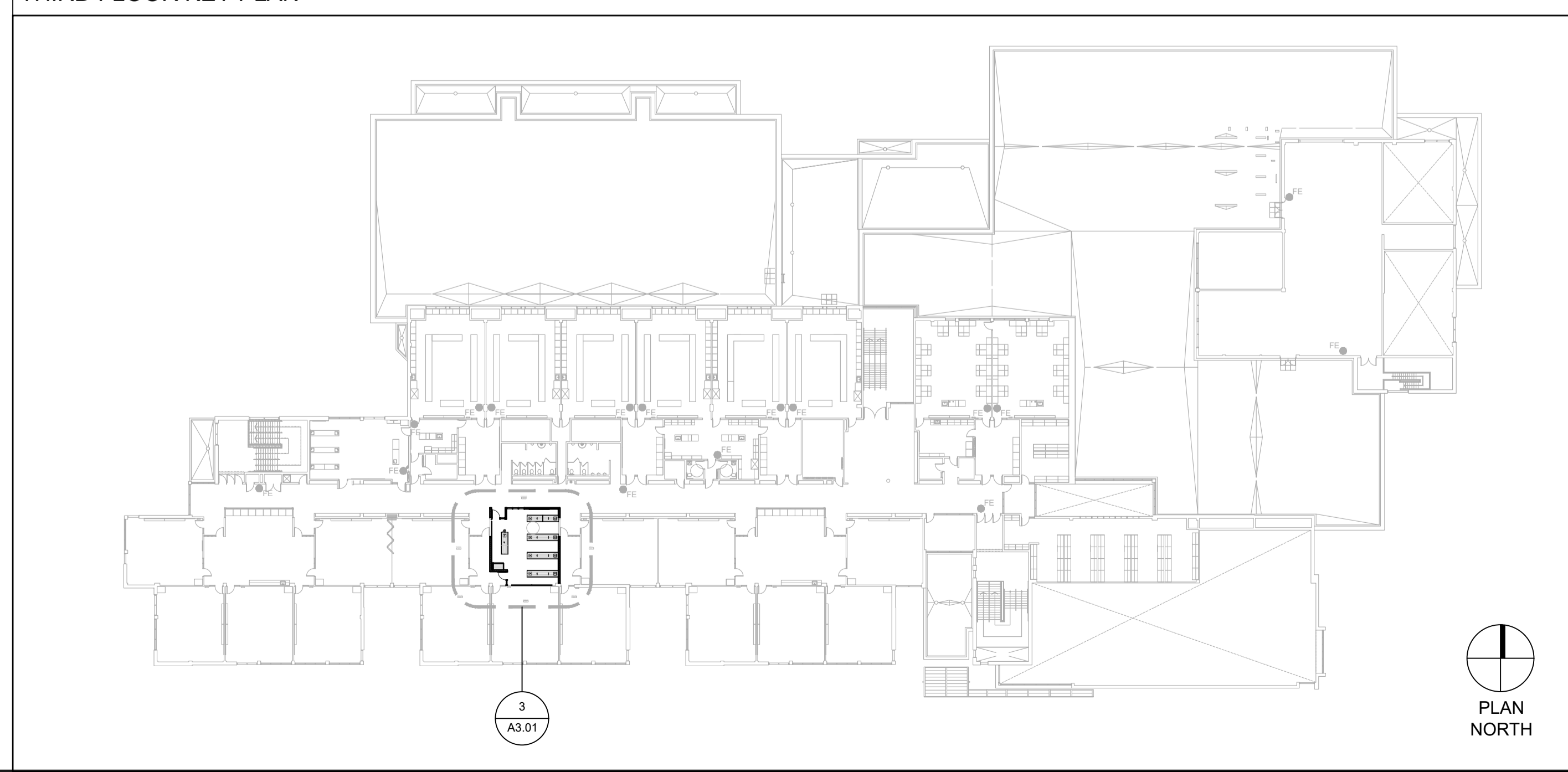
3 PARTIAL THIRD FLOOR PLAN
A3.01



GROUND FLOOR KEY PLAN
1 A3.01



SECOND FLOOR KEY PLAN
2 A3.01



THIRD FLOOR KEY PLAN
3 A3.01

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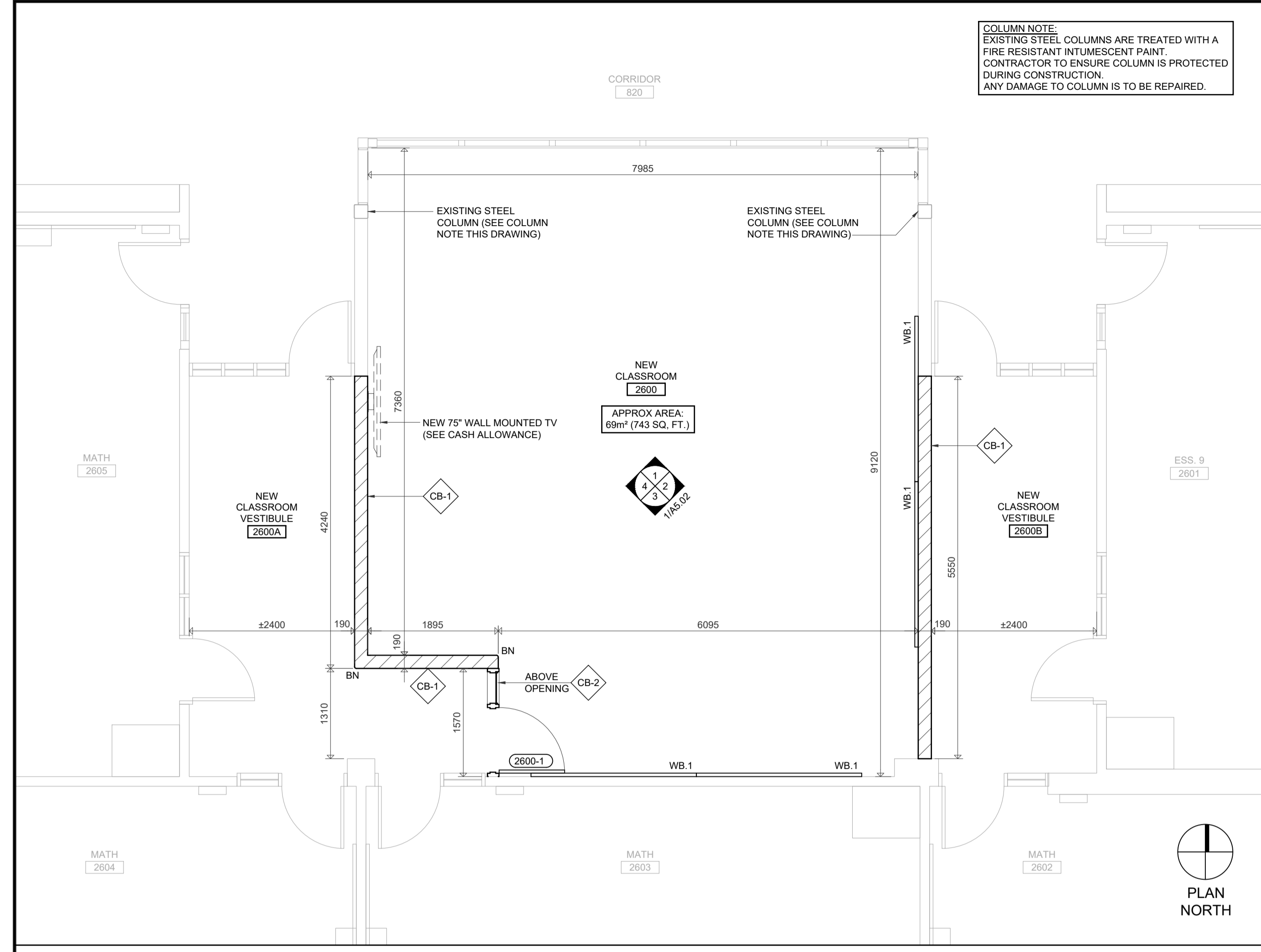
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Drawn By: BC
Reviewed: 2022-3-31

PARTIAL FLOOR PLANS

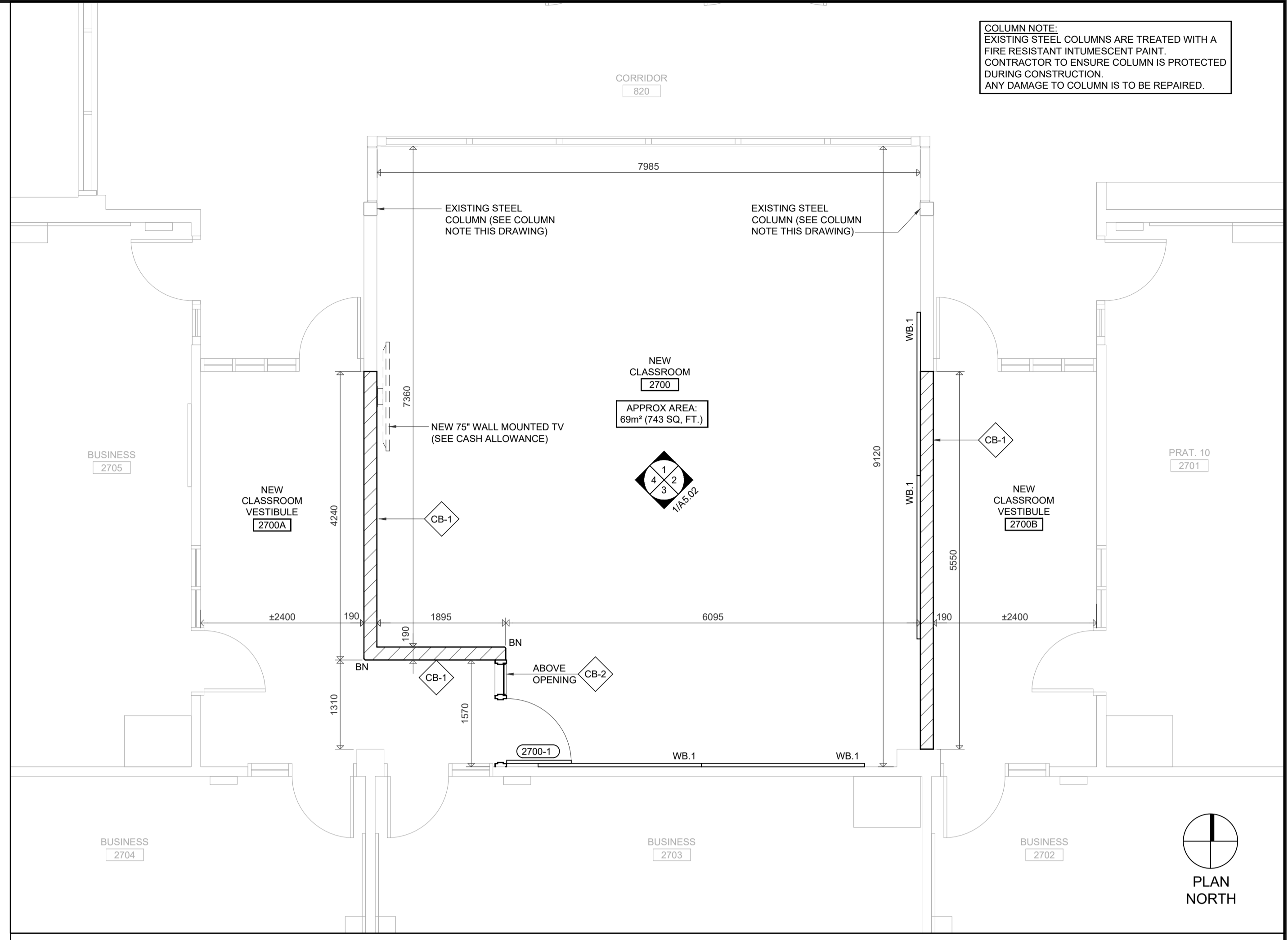
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ITEMIZED PRICE #1 - REFER TO SPECIFICATIONS

1 PARTIAL SECOND FLOOR PLAN

Scale: 0 0.5 1 2.5 5m
1:50

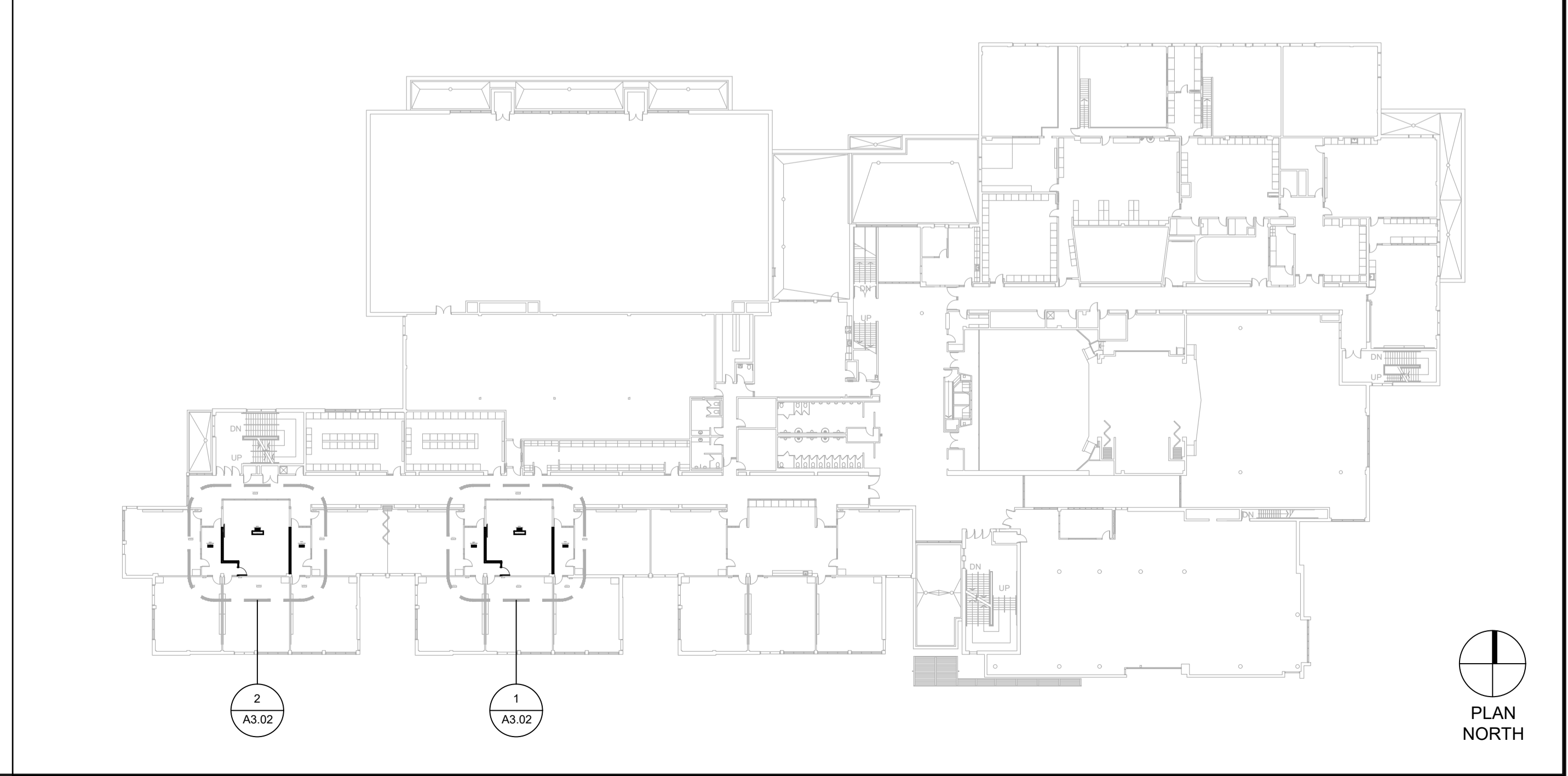


ITEMIZED PRICE #1 - REFER TO SPECIFICATIONS

2 PARTIAL SECOND FLOOR PLAN

Scale: 0 0.5 1 2.5 5m
1:50

SECOND FLOOR KEY PLAN - ITEMIZED PRICE #1 - REFER TO SPECIFICATIONS



W:\Projects\1036 - Waterloo Region District School Board - Sir John A. Macdonald Secondary School\Classroom Renovations\Classroom Renovations\A3.02 - Partial 2nd Floor Plans.dwg, 2022, Mar 31, 12:25 pm

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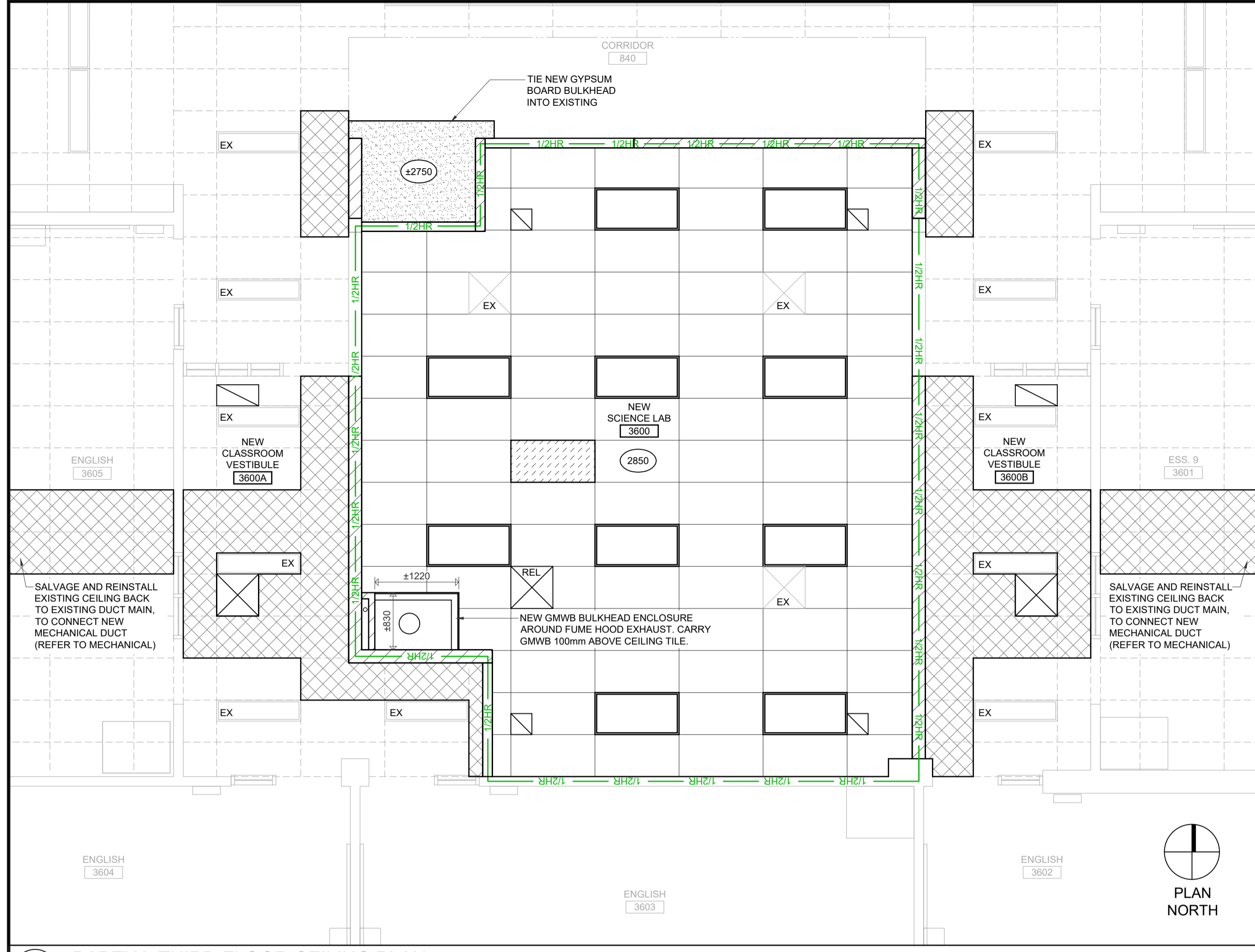
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Drawn By: BC
Reviewed: 2022-3-31

PARTIAL FLOOR PLANS

A3.02



1 PARTIAL THIRD FLOOR CEILING PLAN 0 0.5 1 2.5 5m
1:50

REFLECTED CEILING PLAN NOTES

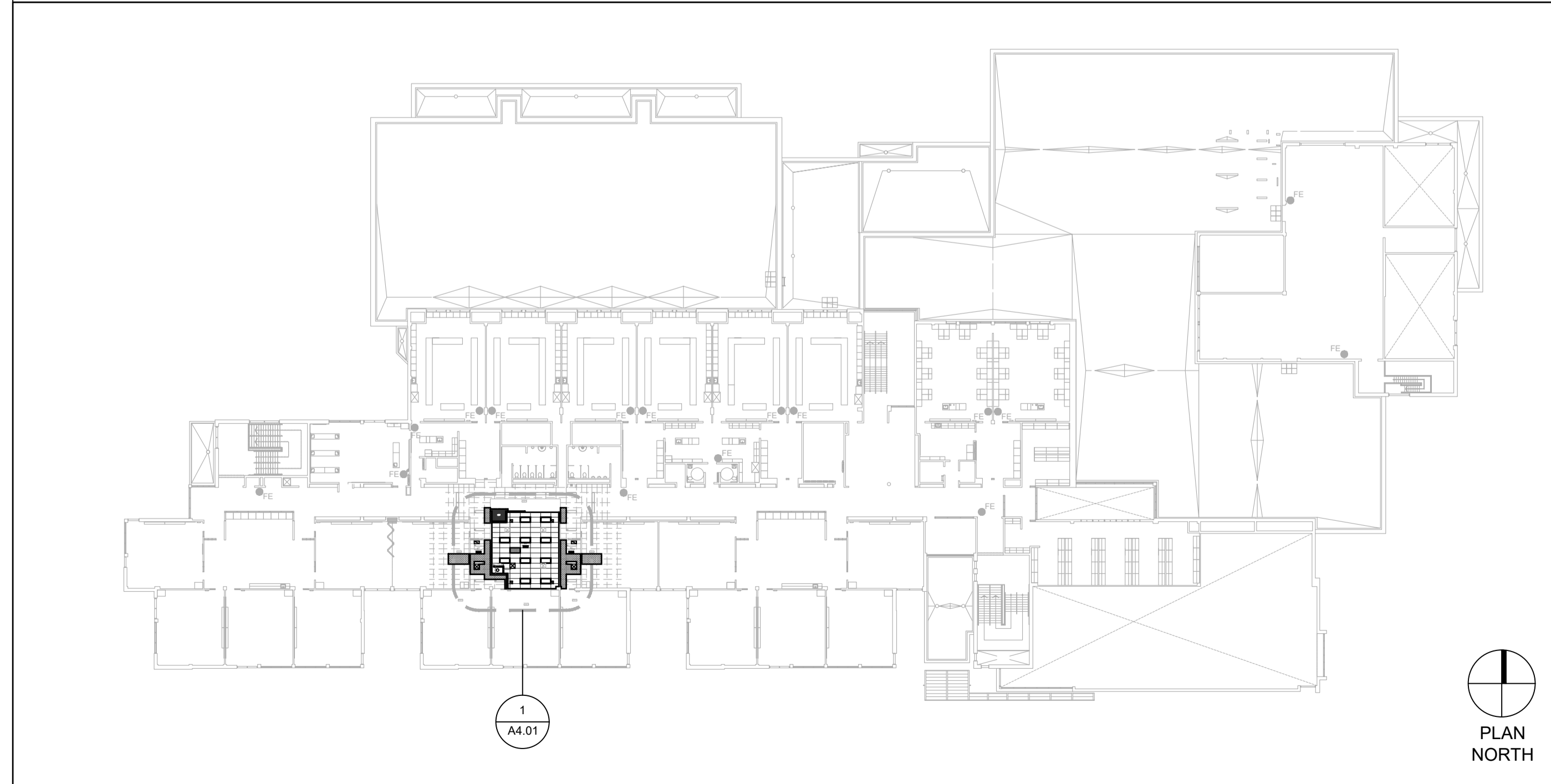
1. READ REFLECTED CEILING PLANS IN CONJUNCTION WITH ROOM FINISH SCHEDULE, AND MECHANICAL & ELECTRICAL DOCUMENTS.
2. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
3. LOCATIONS OF ITEMS SHOWN ON ARCHITECTURAL DRAWINGS SHALL GOVERN OVER OTHER REFERENCES.
4. FIRE SEPARATIONS ARE CONTINUOUS ABOVE ALL OPENINGS.

REFLECTED CEILING PLAN LEGEND

APPLICABLE TO CEILING DRAWINGS

(XXXX)	CEILING HEIGHT (ABOVE FINISHED FLOOR) EXIST. INDICATED MATCH EXISTING CEILING HEIGHT EXP. INDICATES EXPOSED CEILING	(Hatched)	WHITE MELAMINE PANEL IN CEILING GRID, PRE-CUT FOR NEW DEVICE BOXES (REFER TO ELECTRICAL DRAWINGS)
(Grid)	EXISTING SUSPENDED CEILING TILE SYSTEM TO REMAIN	EX	EXISTING CEILING FIXTURE TO REMAIN (REFER TO MECHANICAL & ELECTRICAL)
(Grid)	NEW SUSPENDED CEILING TILE SYSTEM	REL	RELOCATED EXISTING CEILING FIXTURE (REFER TO MECHANICAL & ELECTRICAL)
(Hatched)	SALVAGE AND REINSTALL EXISTING CEILING TO SUIT NEW CONSTRUCTION	(Box with X)	SUPPLY DIFFUSER / GRILLE / REGISTER (REFER TO MECHANICAL)
(Dotted)	NEW GYPSUM BOARD CEILING	(Box with diagonal lines)	RETURN GRILLE / REGISTER (REFER TO MECHANICAL)
(BULKHEAD CJ)	NEW GYPSUM BOARD BULKHEAD BULKHEAD CONSTRUCTION: 16mm GYPSUM BOARD ON 92mm METAL STUDS @ 400mm O.C. MAX CJ = CONTROL JOINT	(Box)	RECESSED LIGHT FIXTURE (REFER TO ELECTRICAL)

THIRD FLOOR KEY PLAN



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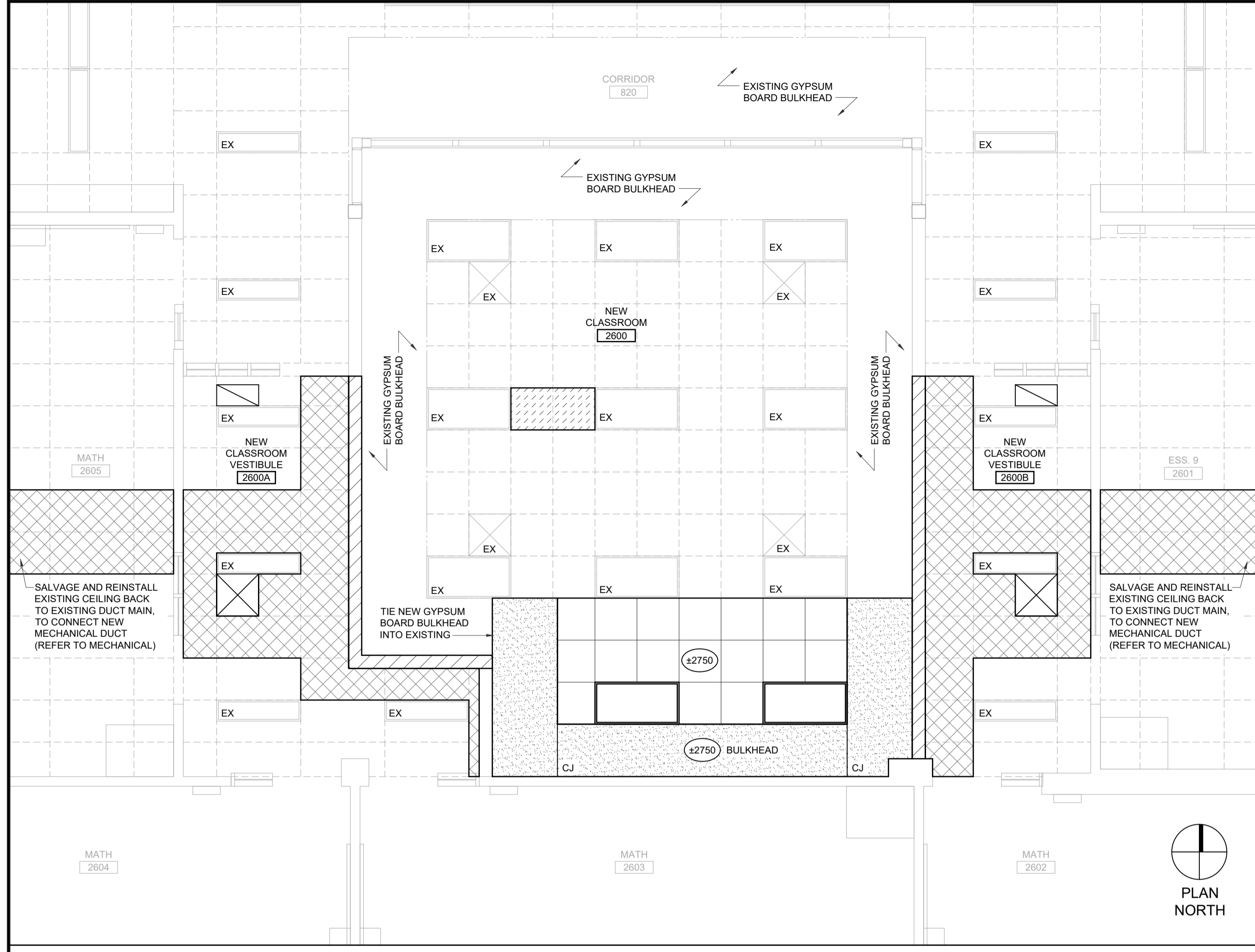
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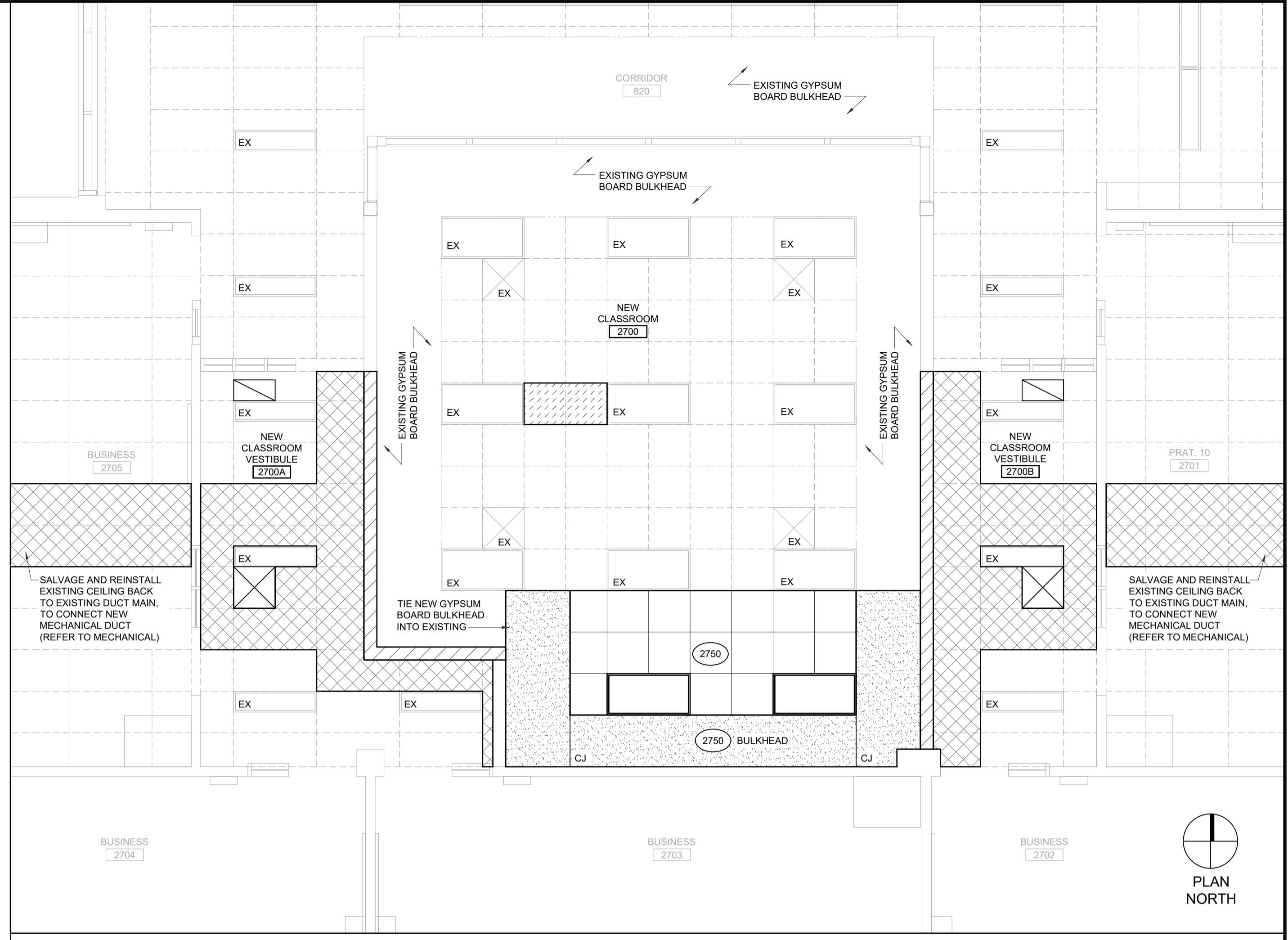
PARTIAL CEILING PLANS

A4.01

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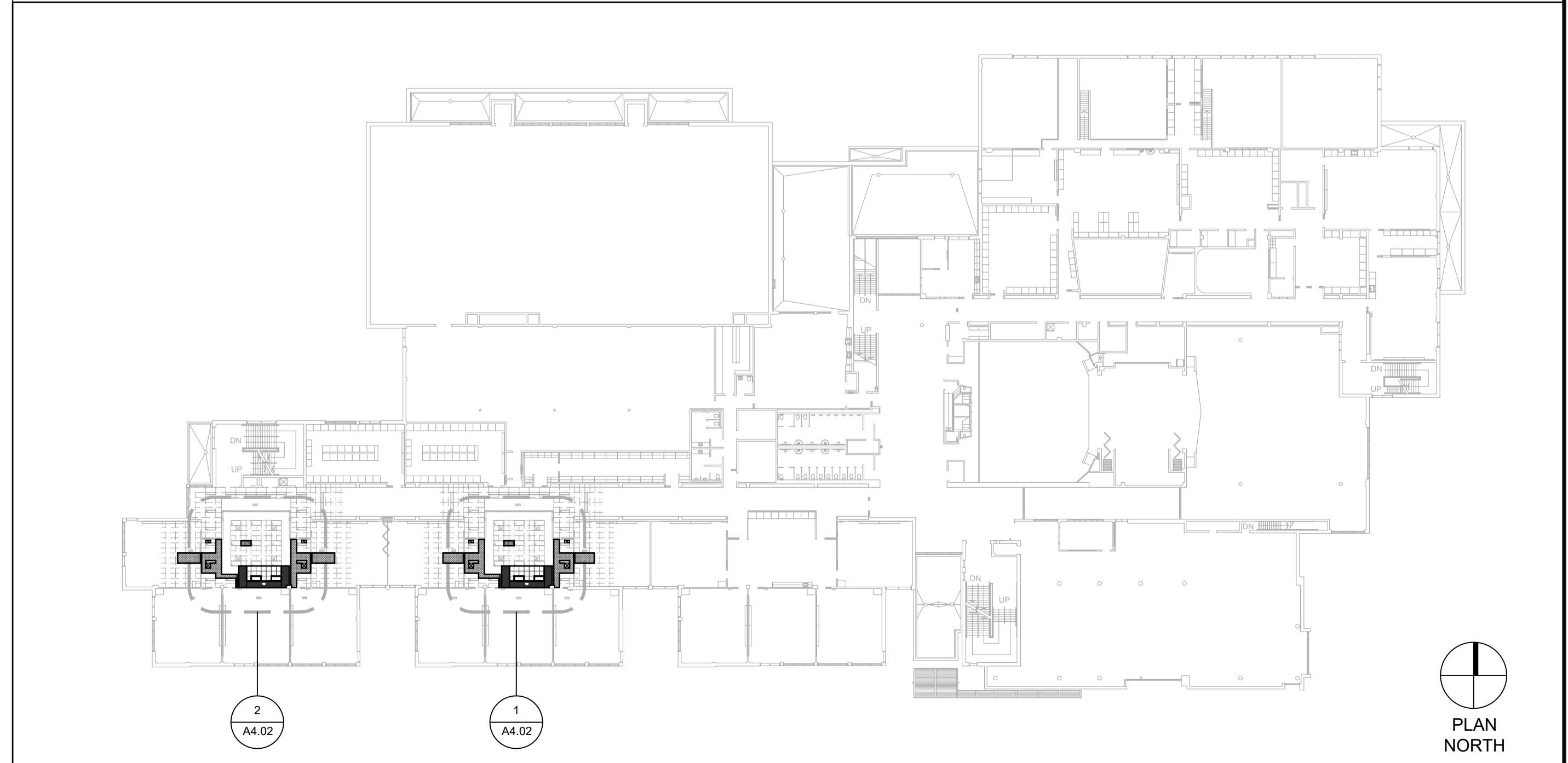


ITEMIZED PRICE #1 - REFER TO SPECIFICATIONS
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ITEMIZED PRICE #1 - REFER TO SPECIFICATIONS
 2 PARTIAL SECOND FLOOR CEILING PLAN 1:50

SECOND FLOOR KEY PLAN - ITEMIZED PRICE #1 - REFER TO SPECIFICATIONS



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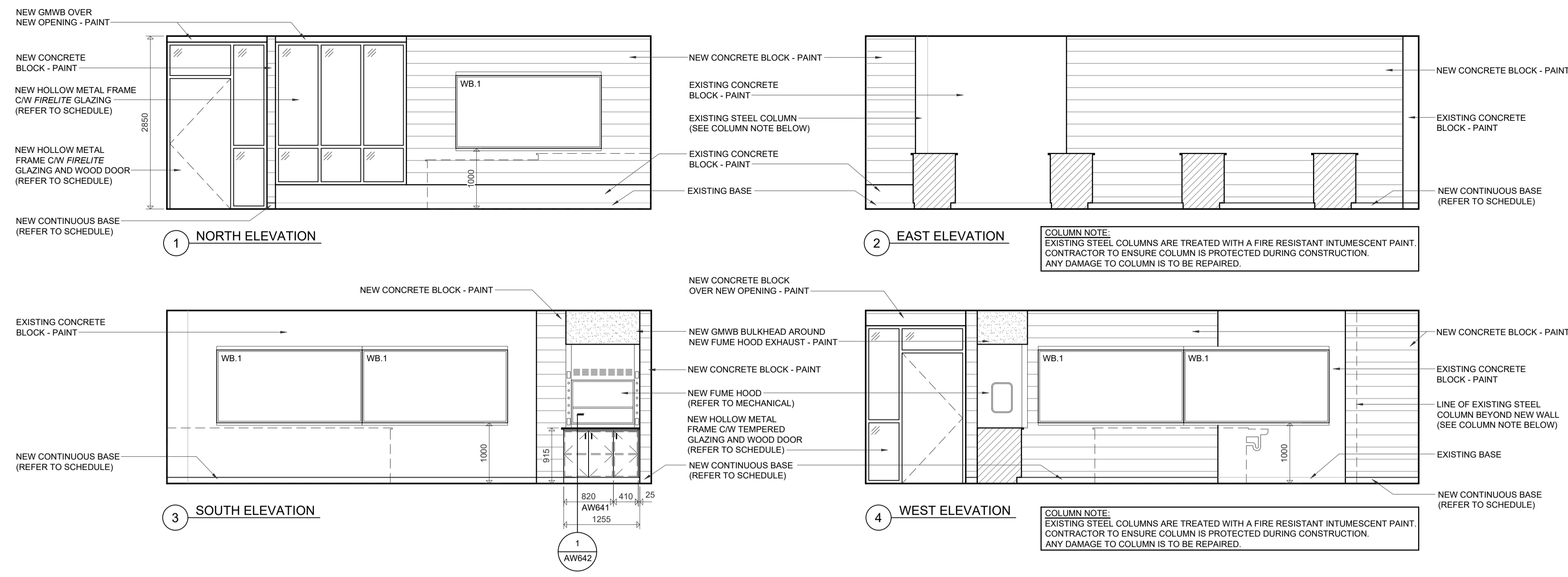
Sir John A Macdonald Secondary School
 CLASSROOM RENOVATIONS

650 Laurelwood Dr. Waterloo, ON

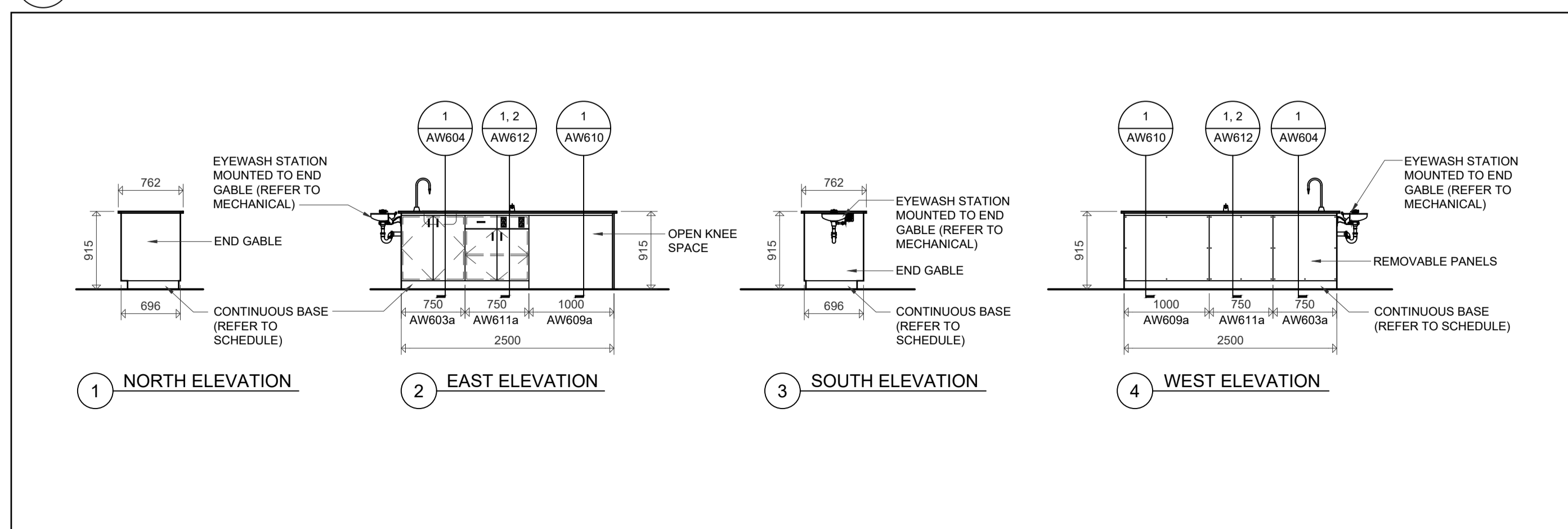
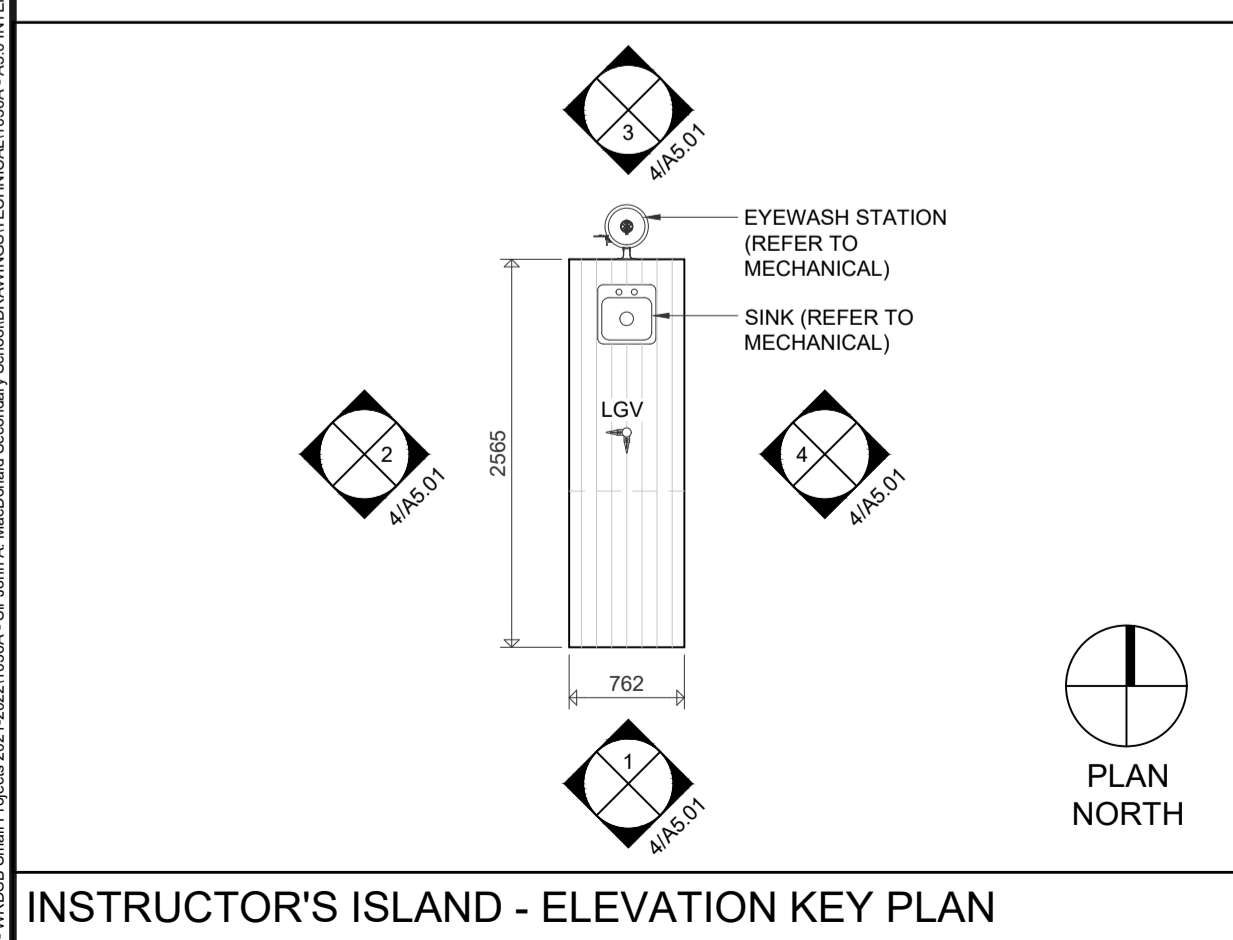
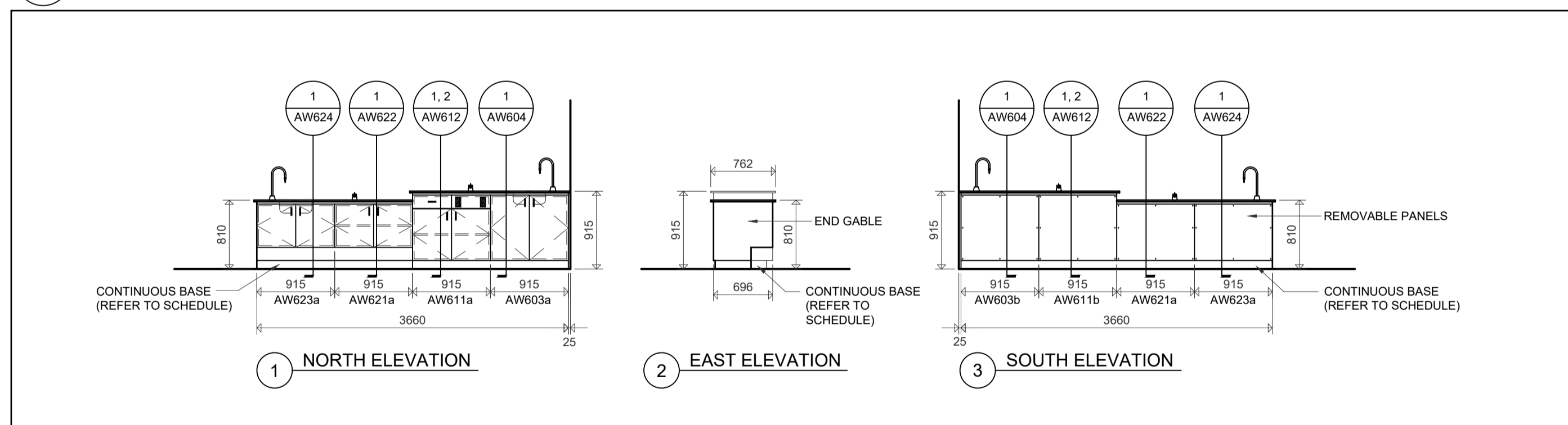
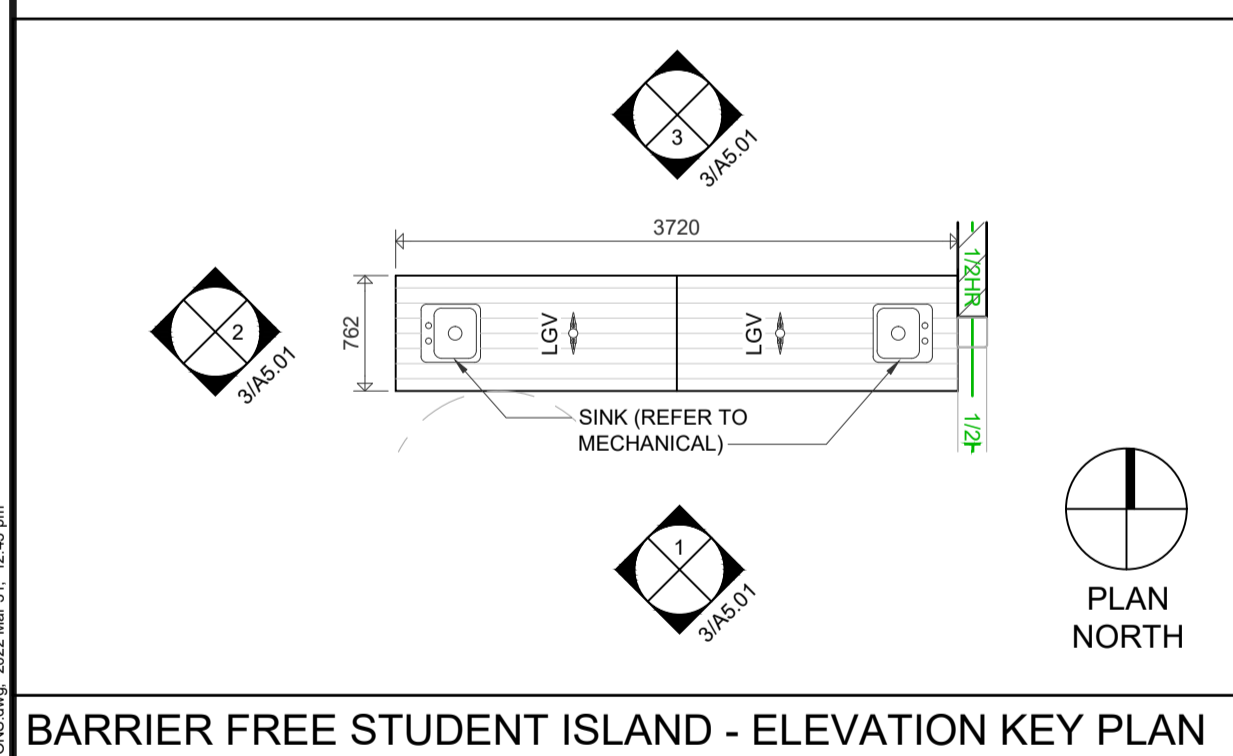
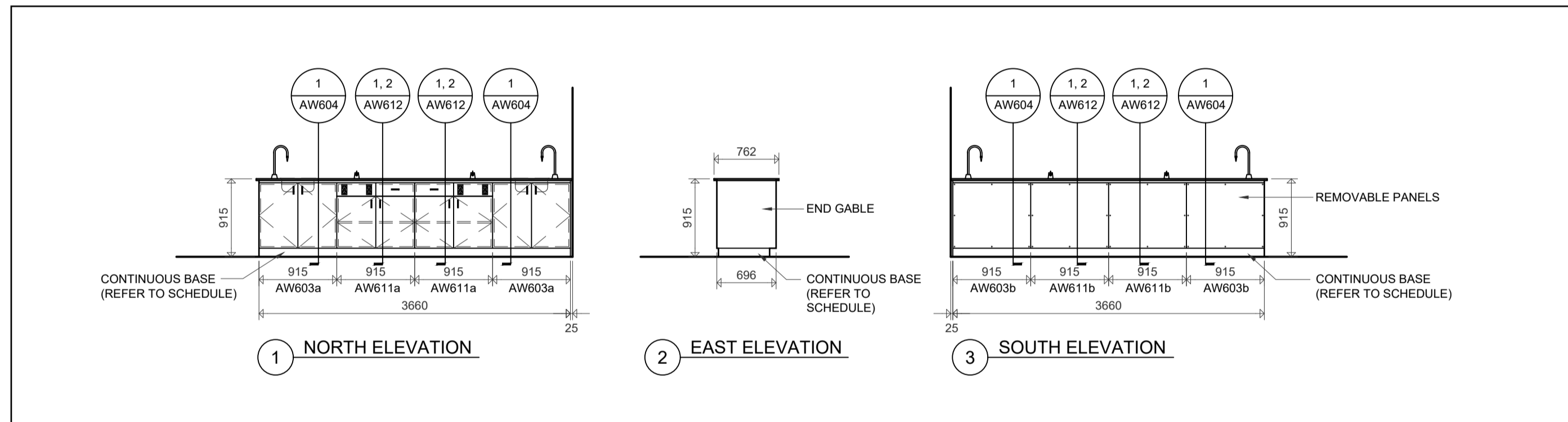
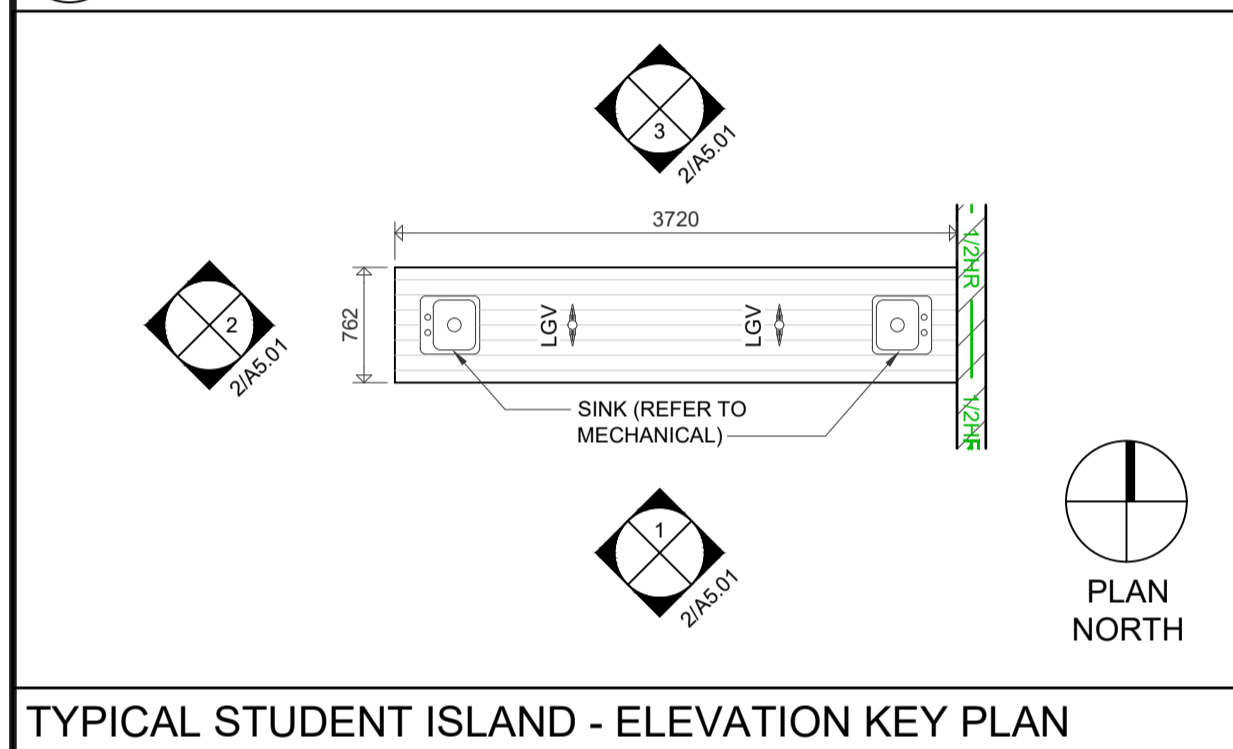
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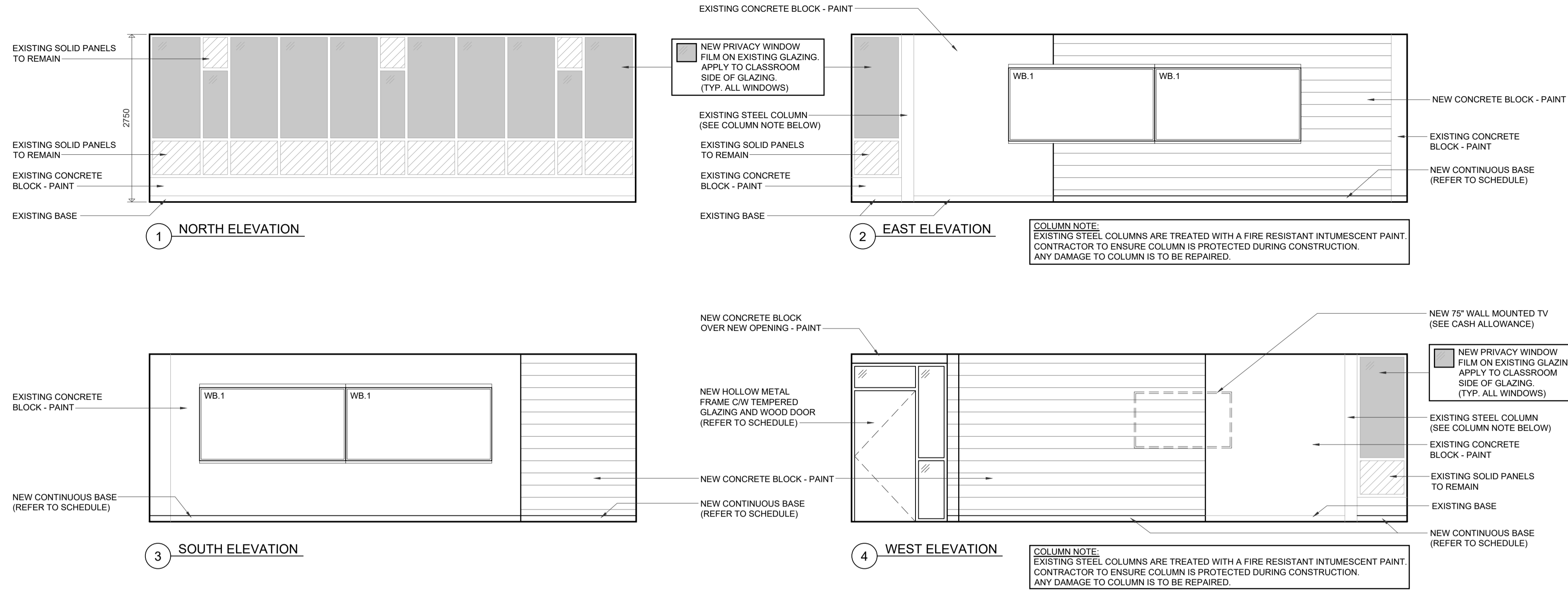
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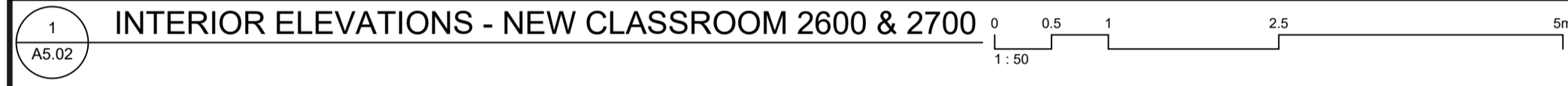
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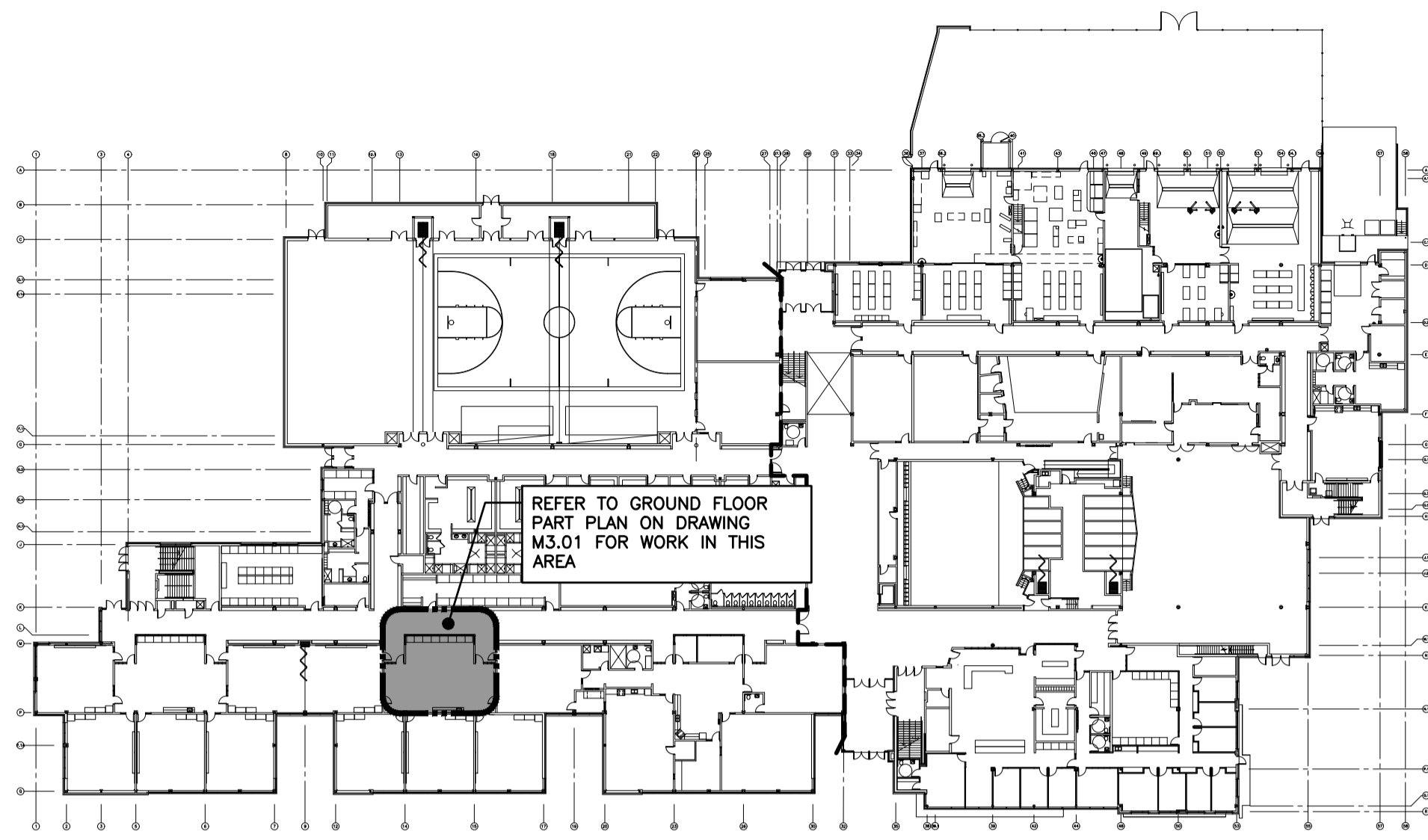


CLASSROOM ACCESSORIES	
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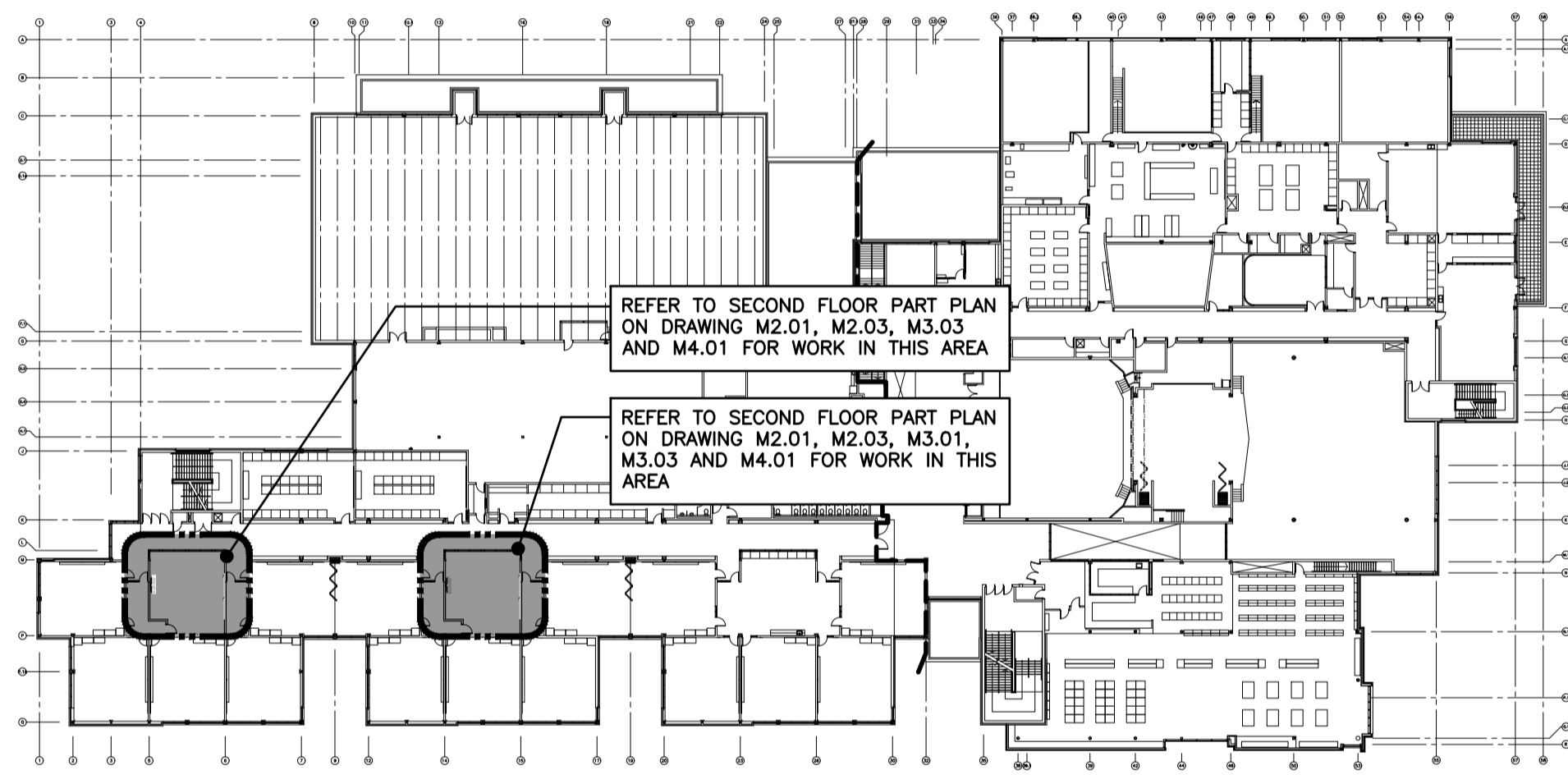


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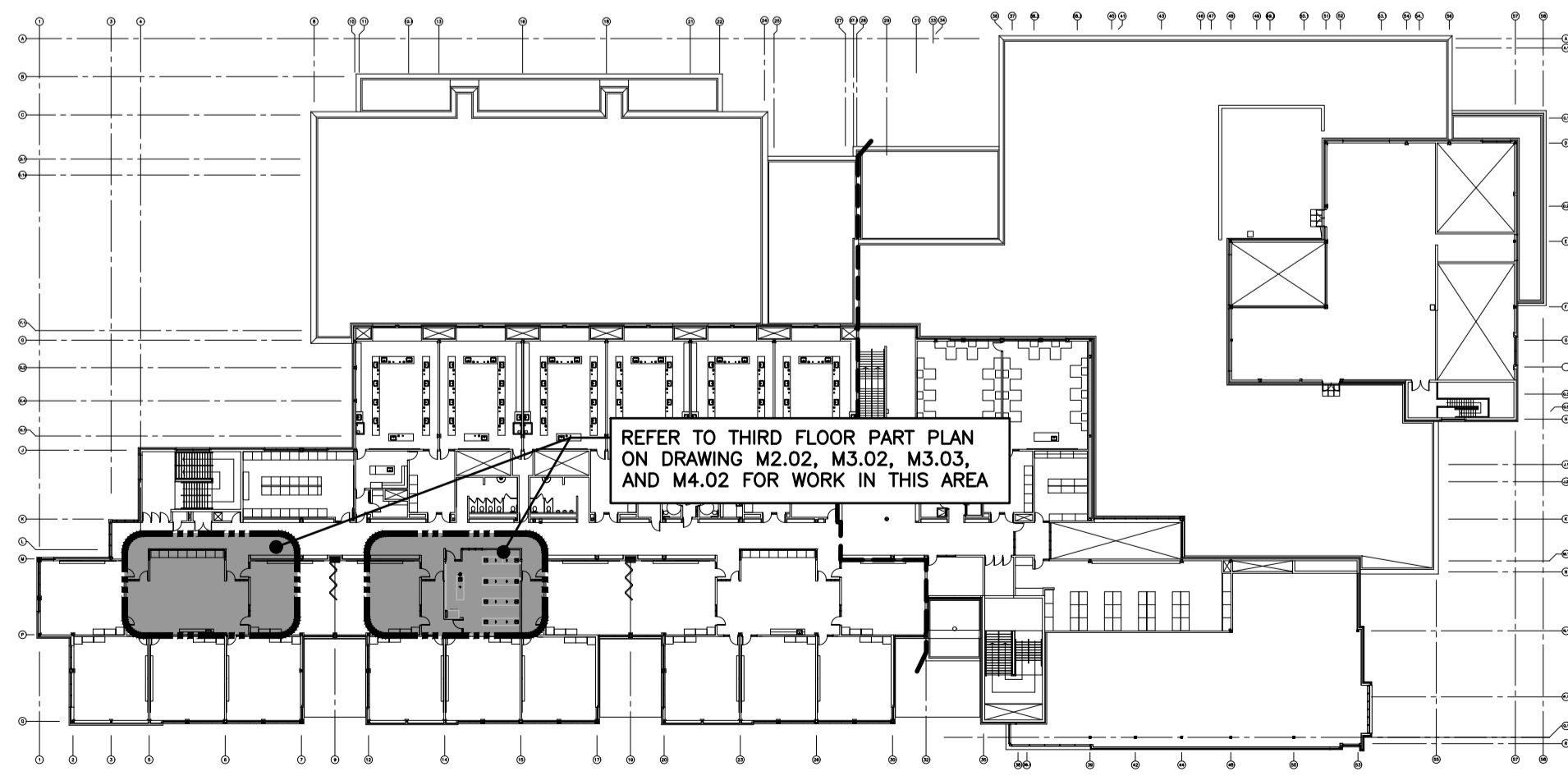




GROUND FLOOR



SECOND FLOOR



THIRD FLOOR

KEY PLAN
SCALE: N.T.S.

GRILLE SCHEDULE

Item	Type	Manufacturer & Model	Finish	Remarks
D1	DIRECTIONAL CEILING DIFFUSER (3 WAY)	KRUEGER SHPC	BRITISH WHITE	STEEL, 3-WAY AS INDICATED. SUITABLE FOR T-BAR & DRYWALL INSTALLATIONS
R1	CEILING RETURN	KRUEGER EG5	BRITISH WHITE	C/W CHANNEL FRAME
R2	CEILING RETURN/EXHAUST	KRUEGER S580	BRITISH WHITE	C/W SCREWED FASTENING

FAN SCHEDULE

Item	Type	Service	Capacity cfm	Exhaust Air Size hp	Air Data SP in. wc	Voltage	Manufacturer	Model	Remarks
EF-101	ROOF MOUNTED UPBLAST EXHAUST	SCIENCE LAB 3600	1200	1/3	0.375	120/1/60	PENN BARRY	FX16S	C/W 600mm (24") HIGH ROOF CURB & BACKDRAFT DAMPER. DWR BY BAS CONTRACTOR
EF-102	FUMEHOOD UPBLAST EXHAUST	SCIENCE LAB 3600	800	1/3	1.0	120/1/60	PENN BARRY	FX16R	CONNECT TO FUMEHOOD. C/W 24" HIGH ROOF CURB & HERESITE COATING

MECHANICAL LEGEND

Item	Description	Item	Description	Item	Description
— —	CUT EXISTING & CONNECT NEW PIPING	— —	FLEXIBLE CONNECTION	— —	SOLENOID VALVE
—▶—	FLOW DIRECTION	— —	REDUCER/INCREASER	— —	THERMOSTAT (WITH OR WITHOUT GUARD)
— —	DOMESTIC COLD WATER PIPING	— —	CHECK VALVE	— —	TURNING VANES
— —	DOMESTIC HOT WATER PIPING	— —	BACKFLOW PREVENTOR	— —	SUPPLY AIR DUCT
— —	DOMESTIC HOT WATER RECIRC. PIPING	— —	REDUCED PRESSURE BACKFLOW PREVENTOR	— —	RETURN/EXHAUST AIR DUCT
— —	DOMESTIC TEMPERED WATER PIPING	— —	UNION	— —	ACOUSTIC DUCT LINING
—EX-SAN—	EXISTING SANITARY PIPING ABOVE FLOOR	— —	STRAINER	— —	BRANCH LINE SPIN-IN COLLAR C/W BALANCING DAMPER
—EX-SAN—	EXISTING SANITARY PIPING BELOW FLOOR	— —	DRAIN (SCHEMATICS)	— —	BALANCING DAMPER
—SAN—	SANITARY PIPING ABOVE FLOOR	— —	VACUUM BREAKER	— —	OPOSED BLADE DAMPER
—SAN—	SANITARY PIPING BELOW FLOOR	— —	SCREWED OR WELDED PIPE CAP	— —	MOTORIZED DAMPER (OPOSED BLADE)
—AW—	ACID WASTE	— —	PLUG VALVE	— —	FIRE DAMPER
—AV—	ACID VENT PIPING	— —	BALL VALVE	— —	COMBINATION FIRE/SMOKE DAMPER
—EX-ST—	EXISTING STORM PIPING ABOVE FLOOR	— —	AIR VENT	— —	SMOKE DAMPER
—EX-ST—	EXISTING STORM PIPING BELOW FLOOR	— —	RISER VALVE	— —	BACKDRAFT DAMPER
—V—	VENT PIPING	— —	BALANCING VALVE	— —	FLEXIBLE ROUND DUCT
—SP—	SPRINKLER PIPING	— —	FIRE BLANKET	— —	RIGID ROUND DUCT
—G—	NATURAL GAS PIPING	— —	RECESSED CABINET MOUNTED FIRE EXTINGUISHER	— —	DIFFUSER/GRILLE SIZE (imp), TYPE & CAPACITY (cfm)
—HPG—	HIGH PRESSURE NATURAL GAS PIPING	— —	WALL MOUNTED FIRE EXTINGUISHER	— —	ACCESS DOOR
—FD—	FLOOR DRAIN	— —	FLOOR CLEANOUT	— —	ABOVE FINISHED FLOOR
—	TRAP PRIMER	— —	LINE CLEANOUT	— —	ABOVE FINISHED ROOF
—	TEE CONNECTION	— —	PRESSURE GAUGE	— —	EXISTING DUCT (SIZE AS INDICATED)
—	PIPE DOWN	— —	PRESSURE REDUCING VALVE		
—	PIPE UP				

MECHANICAL DRAWING LIST

M1.01	KEY PLAN, LEGEND AND SCHEDULES
M1.02	SCHEDULES
M2.01	SECOND FLOOR PART PLANS - DRAINAGE AND PLUMBING DEMOLITION
M2.02	THIRD FLOOR PART PLANS - DRAINAGE, PLUMBING AND DUCTWORK - DEMOLITION
M2.03	SECOND FLOOR PART PLANS - DUCTWORK DEMOLITION
M3.01	GROUND & SECOND FLOOR PART PLANS - DRAINAGE RENOVATION AND DETAILS
M3.02	THIRD FLOOR PART PLAN - DRAINAGE RENOVATION
M3.03	SECOND & THIRD FLOOR PART PLANS - PLUMBING RENOVATION AND DETAILS
M4.01	SECOND FLOOR PART PLAN - DUCTWORK RENOVATION
M4.02	THIRD FLOOR PART PLAN - DUCTWORK RENOVATION AND DETAILS
M5.01	SECOND & THIRD FLOOR PART PLANS - SPRINKLER DEMOLITION & RENOVATION
M6.01	PART ROOF PLAN - RENOVATION



ISSUED FOR TENDER
2022-03-31



Sir John A Macdonald Secondary School
CLASSROOM RENOVATIONS
650 Laurelwood Dr. Waterloo, ON
Project No.: 1036A
Drawn By: [Blank]
Reviewed: [Blank]
KEY PLAN, LEGEND AND SCHEDULES

M1.01

PLUMBING FIXTURE SCHEDULE

Item	Type	Connection Sizes					Fixture		Trim		Accessories	
		HW	CW	TW	Drain	Vent	Acceptable Manufacturer	Fixture Description	Acceptable Manufacturer	Trim Description	Acceptable Manufacturer	Accessory Description
S-1	STAINLESS STEEL SCIENCE SINK (TEACHER)	1/2	1/2		1 1/2	1 1/4	KINDRED LBS6807/316P-1 NOVANNI	SINK: SINGLE COMPARTMENT, LEDGE-BACK. FROM 1.0 mm (18 GAUGE) THICK TYPE 316 POLISHED STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 520 mm X 510 mm X 175 mm (20 1/2" X 20" X 7").	DELTA W6720 ZURN Z825B1-6F MOEN COMMERCIAL 8113	FAUCET: CHROME PLATED BRASS, LABORATORY TYPE WITH GOOSENECK SWING SPOUT WITH SERRATED NOZZLE, VACUUM BREAKER, AERATOR, INDEXED HOODED LEVER HANDLES, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 kPa (60 psi).		
S-2	STAINLESS STEEL SCIENCE SINK (STUDENT)	1/2			1 1/2	1 1/4	KINDRED LBS6807/316P-1 NOVANNI	SINK: SINGLE COMPARTMENT, LEDGE-BACK. FROM 1.0 mm (18 GAUGE) THICK TYPE 316 POLISHED STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 520 mm X 510 mm X 175 mm (20 1/2" X 20" X 7").	DELTA W6600-9 ZURN MOEN COMMERCIAL	FAUCET: CHROME PLATED BRASS, LABORATORY TYPE WITH GOOSENECK SWING SPOUT WITH SERRATED NOZZLE, VACUUM BREAKER, AERATOR, LAB HANDLE, VANDAL RESISTANT LOCKING PIN, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 kPa (60 psi).		
S-3	STAINLESS STEEL SCIENCE SINK (BARRIER-FREE) (STUDENT)	1/2			1 1/2	1 1/4	KINDRED ALBS6805/316P-1 NOVANNI	SINK: SINGLE COMPARTMENT, LEDGE-BACK. FROM 1.0 mm (18 GAUGE) THICK TYPE POLISHED STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 520 mm X 510 mm X 125 mm (20 1/2" X 20" X 5").	DELTA W6600-9 ZURN MOEN COMMERCIAL	FAUCET: CHROME PLATED BRASS, LABORATORY TYPE WITH GOOSENECK SWING SPOUT WITH SERRATED NOZZLE, VACUUM BREAKER, AERATOR, LAB HANDLE, VANDAL RESISTANT LOCKING PIN, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 kPa (60 psi).		
EW-1	EYE WASH	1/2	1/2		1 1/4	1 1/4	HAWS 7260BT-7270BT BRADLEY S19-220 GUARDIAN G1750P-TM	250mm (10") DIAMETER IMPACT RESISTANT BOWL CHROME PLATED BRASS SPRAY HEADS COMPLETE WITH COVERS, AND WALL MOUNTING BRACKET. TEPID WATER MIXING VALVE MEETING REQUIREMENTS OF ANSI STANDARD Z358.1-2004. MIXING VALVE IS TO PROVIDE WATER TEMPERATURE BETWEEN 15.5°C (60°F) AND 38°C (100°F). 15 MM (1/2") CHROME PLATED BRASS STAY OPEN BALL VALVE COMPLETE WITH PUSH HANDLE.	HAWS TWBS.EME BRADLEY S19-2000 GUARDIAN G3600	TEMPERING VALVE TO BLEND HOT AND COLD WATER TO DELIVER TEPID WATER. AS REQUIRED BY ANSI Z358.1		
GC-1	GAS TURRET (DOUBLE)						ZURN Z8001B-CS & Z8B100-AR DELTA W6225	COUNTER MOUNTED DOUBLE BALL VALVE HOSE COCK 180° PATTERN. VANDAL RESISTANT HANDLE, INDEX BUTTON, O-RING SEAL, SERRATED HOSE, TAILPIECE WITH COUPLING NUT.				
HD-1	HUB DRAIN				NOTED	1 1/2	ZURN Z415 C/W Z-400-S MIFAB F1100-C-DD CONTOUR C2000-F WATTS FD-100-C-DD	GENERAL DUTY HUB DRAIN CAST IRON BODY, CLAMPING COLLAR, NICKEL-BRONZE ADJUSTABLE HEAD HUB. C/W TRAP PRIMER.				



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2022-03-31



Sir John A Macdonald Secondary School
CLASSROOM RENOVATIONS
SCHEDULES

650 Laurelwood Dr., Waterloo, ON

Project No.: 1036A
Drawn By:
Reviewed:

M1.02



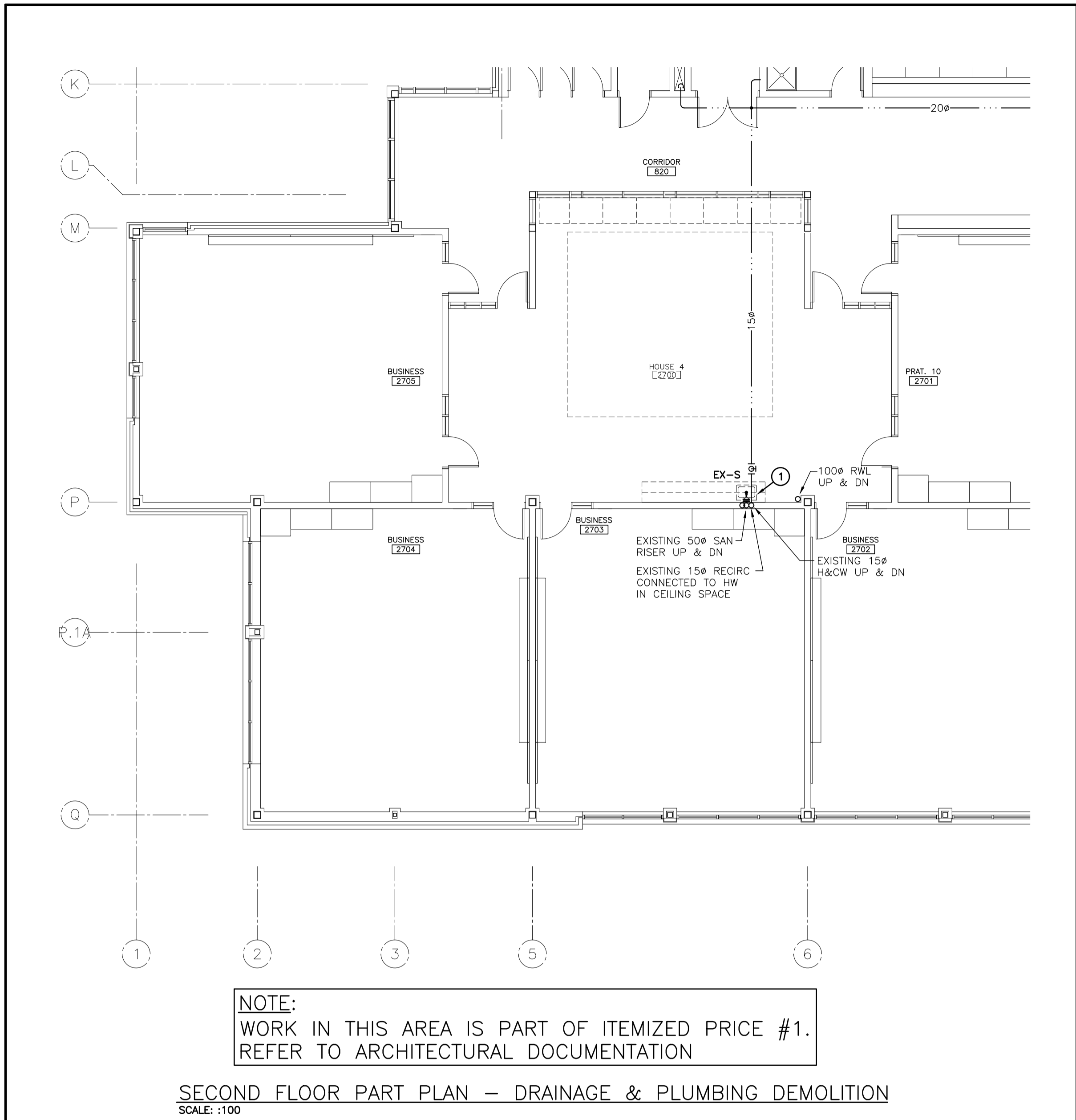
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2022-03-31



Project No.: 1036A
Drawn By:
Reviewed:

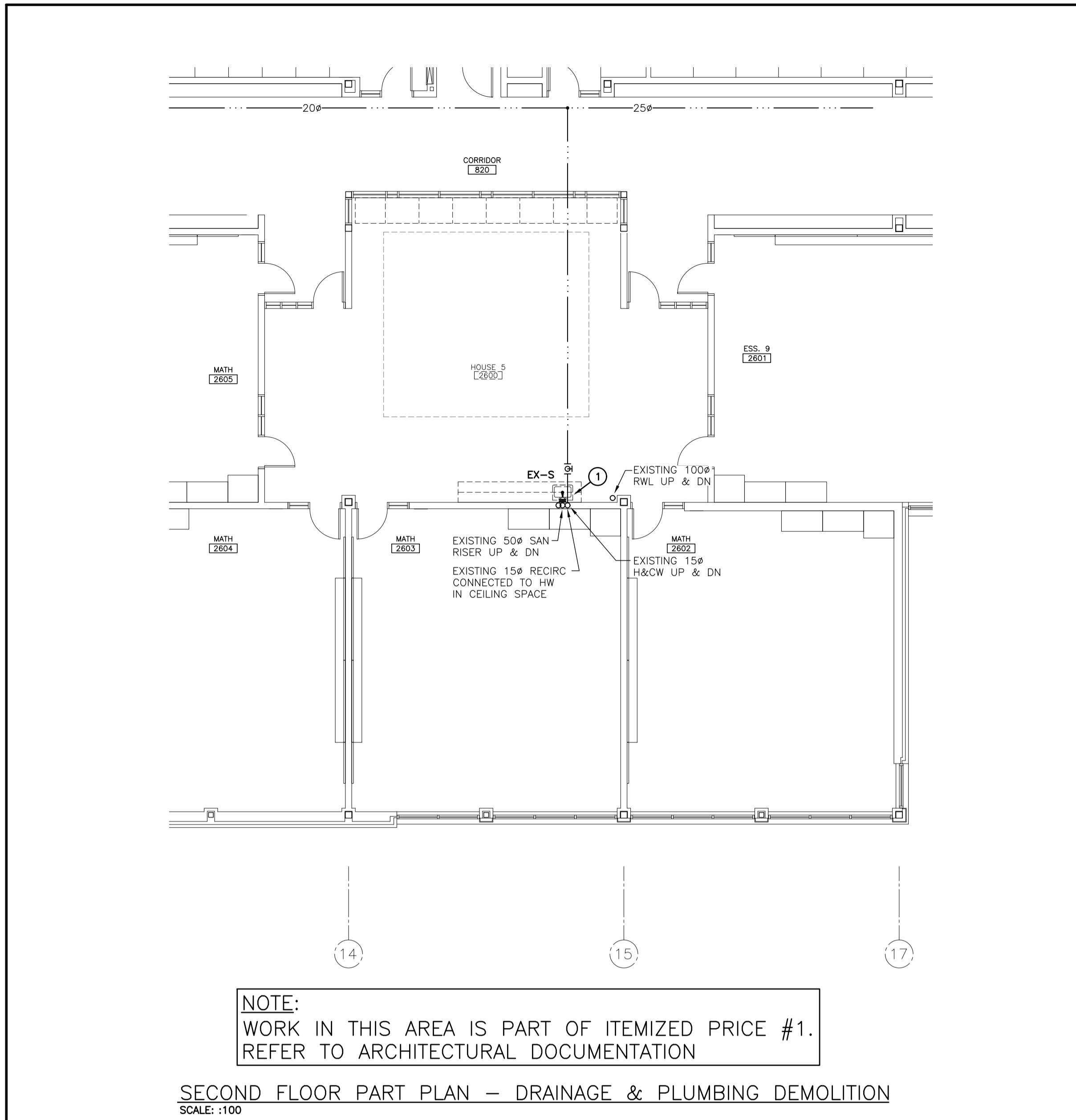
Sir John A Macdonald Secondary School
CLASSROOM RENOVATIONS
SECOND FLOOR PART PLANS - DRAINAGE AND PLUMBING DEMOLITION

M2.01



NOTE:
WORK IN THIS AREA IS PART OF ITEMIZED PRICE #1.
REFER TO ARCHITECTURAL DOCUMENTATION

SECOND FLOOR PART PLAN – DRAINAGE & PLUMBING DEMOLITION
SCALE: :100



NOTE:
WORK IN THIS AREA IS PART OF ITEMIZED PRICE #1.
REFER TO ARCHITECTURAL DOCUMENTATION

SECOND FLOOR PART PLAN – DRAINAGE & PLUMBING DEMOLITION
SCALE: :100

GENERAL DEMOLITION NOTES

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

SPECIFIC DEMOLITION NOTES

- EXISTING SINK TO BE REMOVED COMPLETE. CAP EXISTING SANITARY, DOMESTIC & VENT PIPING IN WALL AND REMOVE BEYOND COMPLETE. MAINTAIN ALL OTHER PIPING SERVING FIXTURES THAT ARE NOT BEING DEMOLISHED.
- EXISTING DUCTWORK TO BE CUT AND REMOVED BEYOND COMPLETE.
- EXISTING GRILLE/DIFFUSER TO BE REMOVED AND RELOCATED COMPLETE. CLEAN/VACUUM PRIOR TO RE-INSTALLATION.
- EXISTING DUCTWORK TO BE REMOVED COMPLETE.
- EXISTING THERMOSTAT/SENSOR TO BE REMOVED COMPLETE. REMOVE EXISTING CONTROL WIRING BACK TO SOURCE.

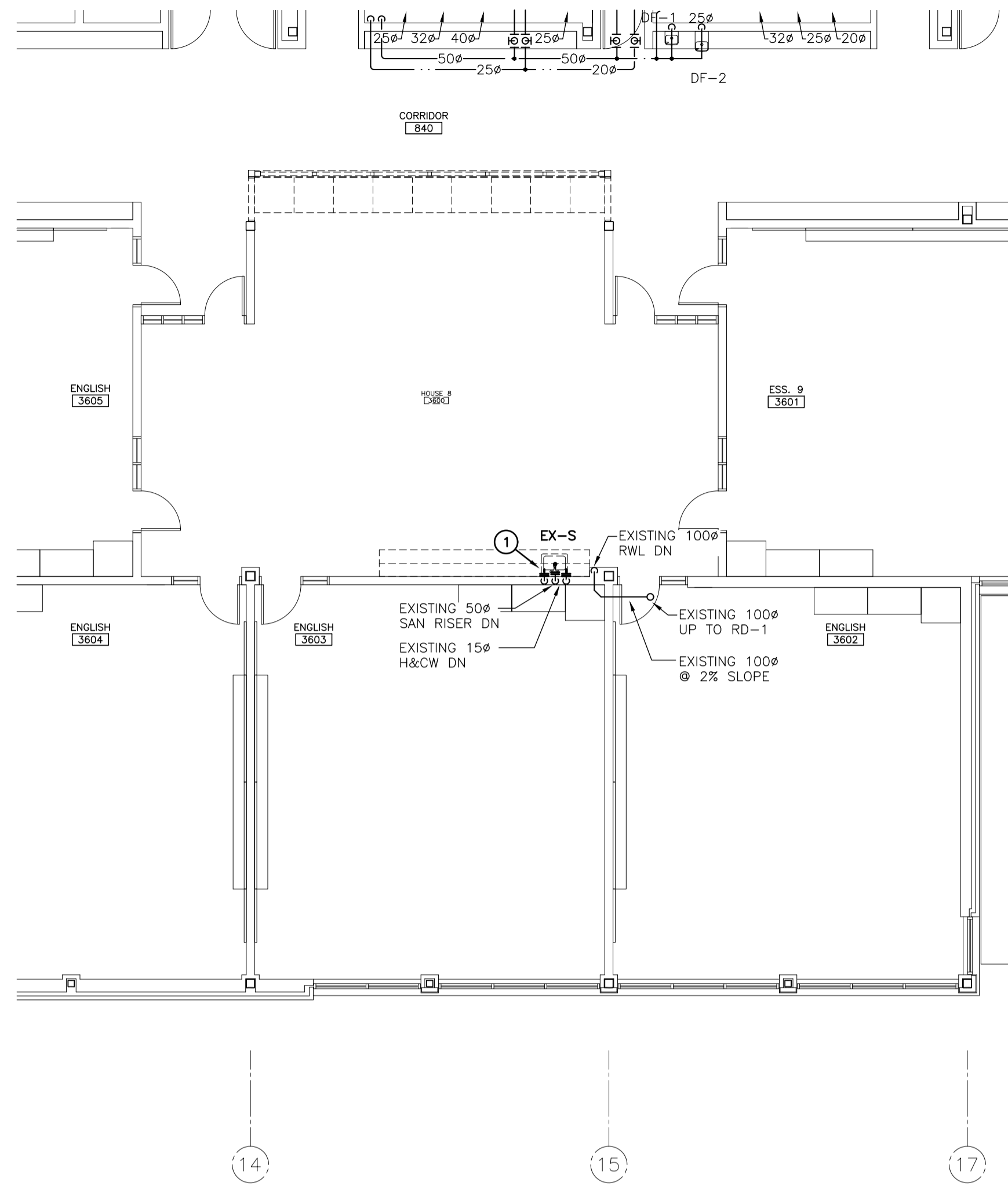


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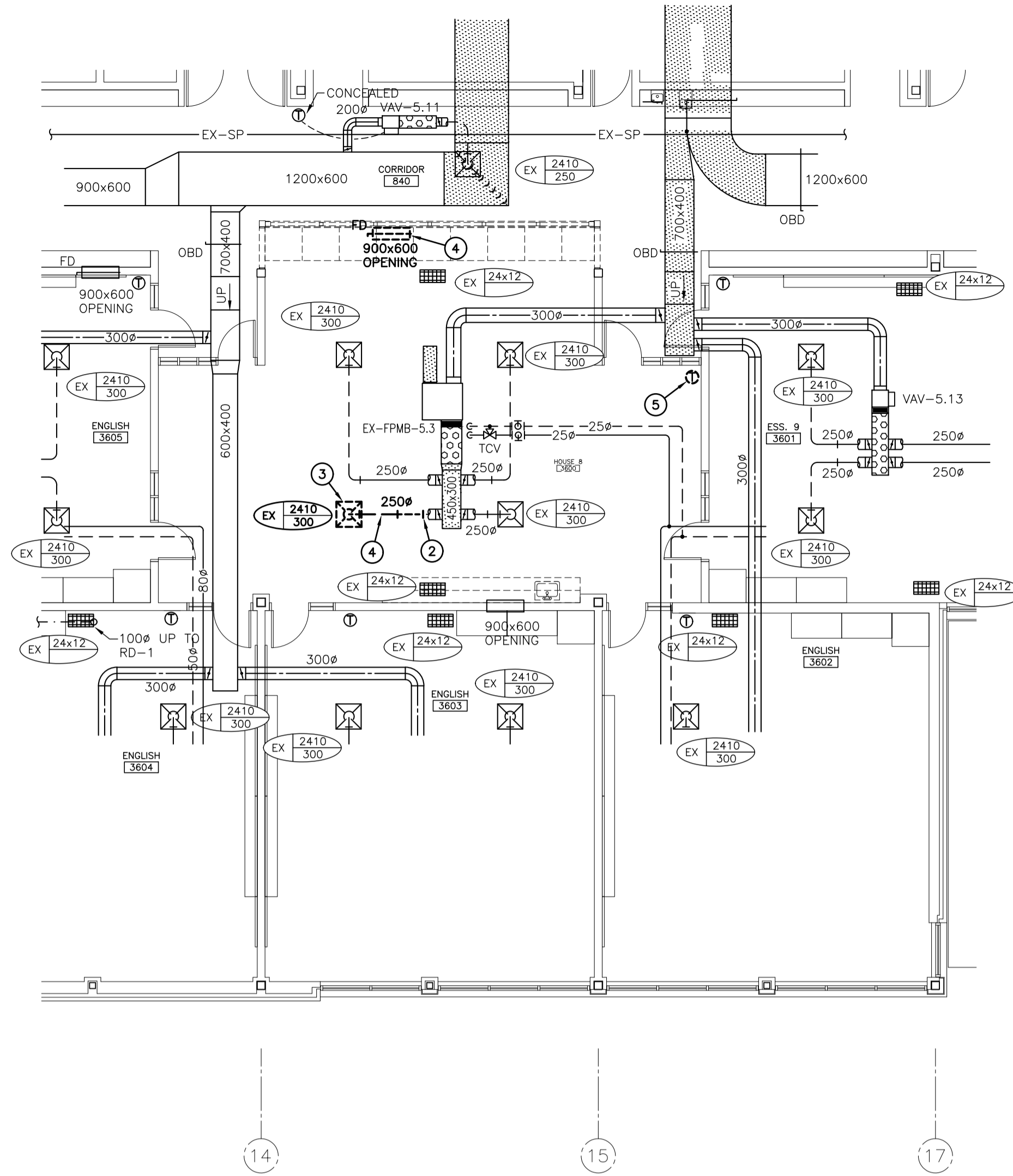


Sir John A Macdonald Secondary School
CLASSROOM RENOVATIONS
650 Laurelwood Dr., Waterloo, ON
Project No.: 1036A
THIRD FLOOR PART PLANS - DRAINAGE, PLUMBING AND DUCTWORK - DEMOLITION

M2.02



THIRD FLOOR PART PLAN – DRAINAGE & PLUMBING DEMOLITION
SCALE: :100



THIRD FLOOR PART PLAN – HEATING & DUCTWORK DEMOLITION
SCALE: :100

GENERAL DEMOLITION NOTES

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- EXISTING THERMOSTAT/SENSOR TO BE REMOVED COMPLETE. REMOVE EXISTING CONTROL WIRING BACK TO SOURCE.

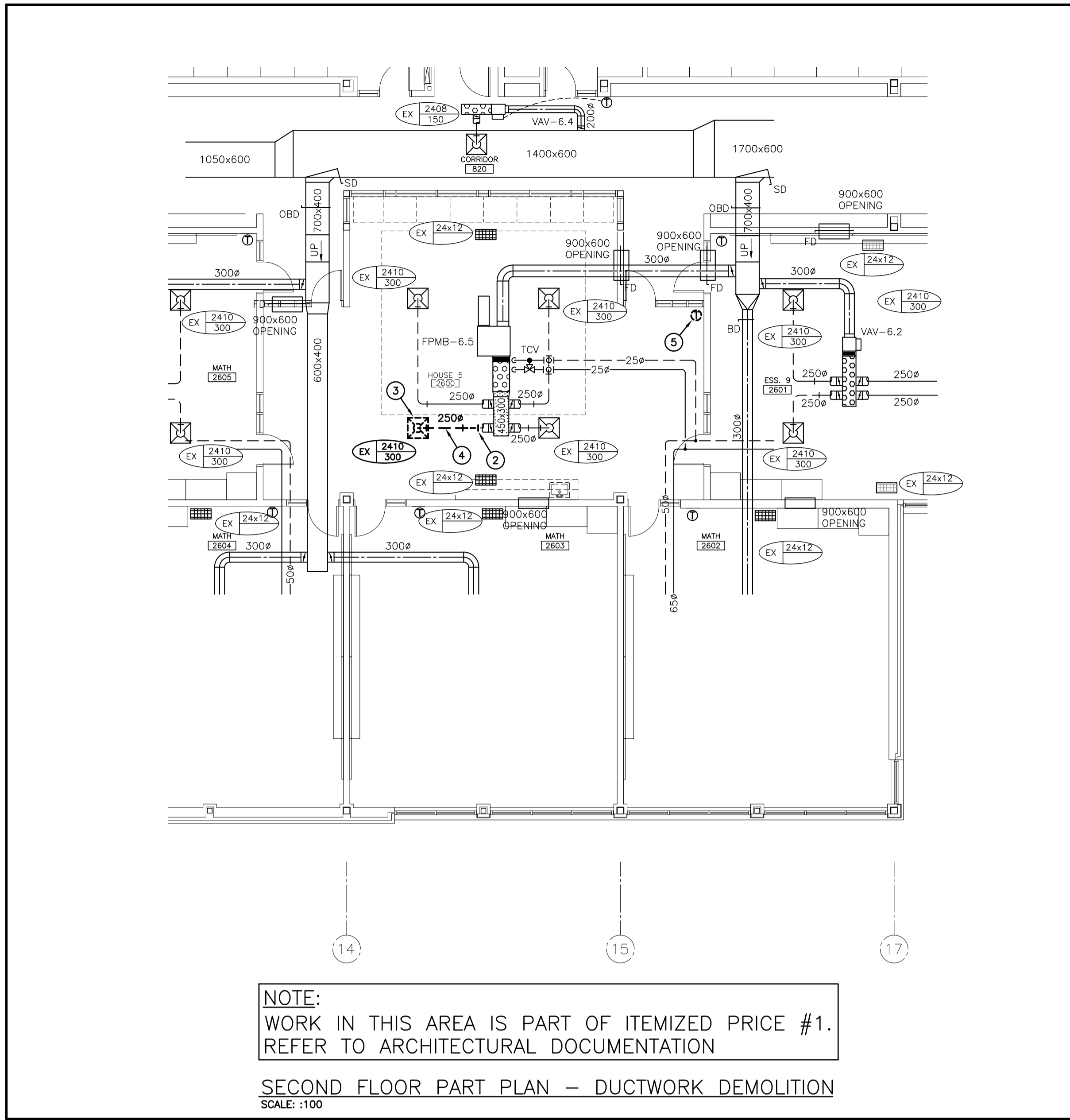
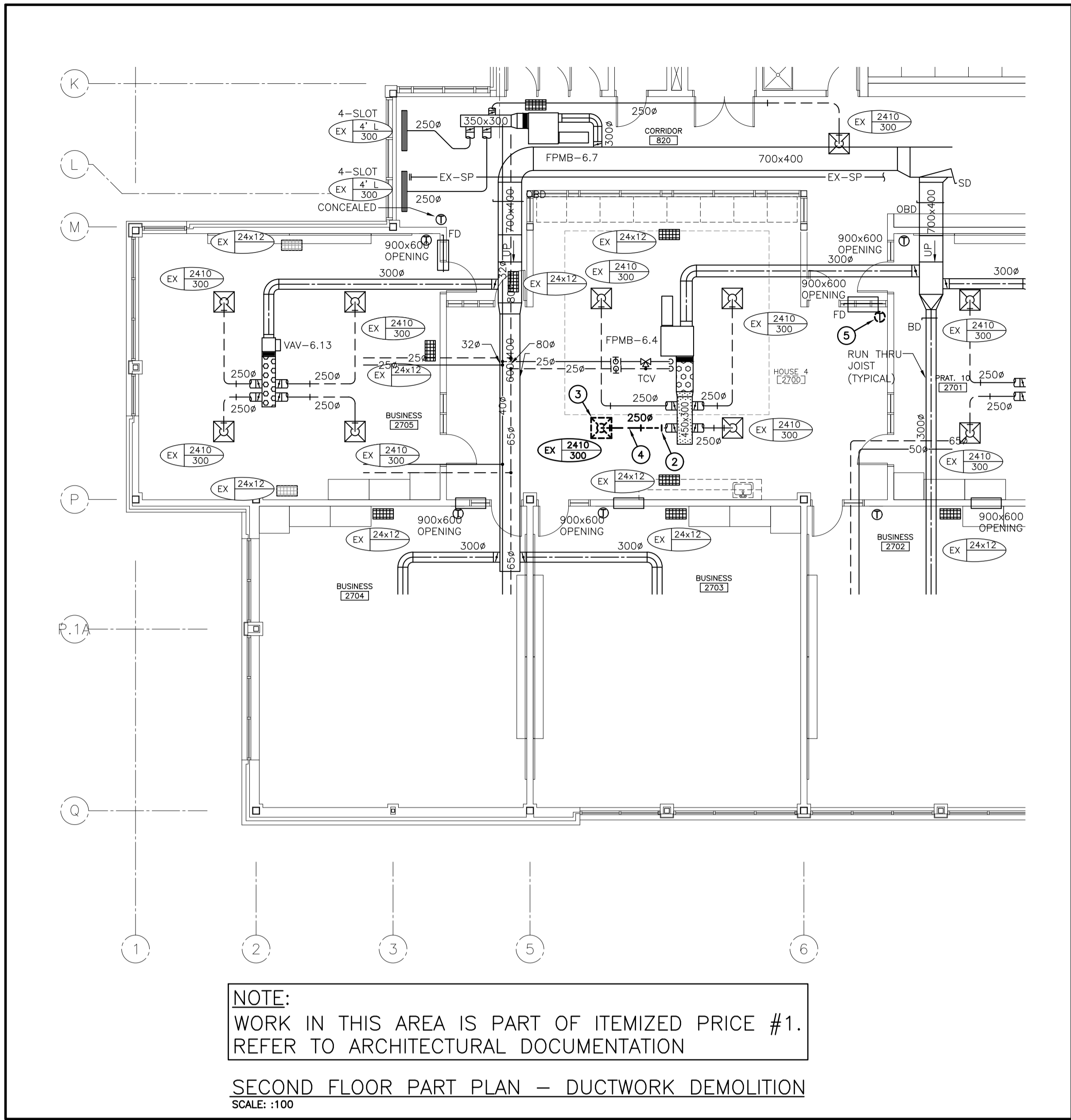


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2022-03-31



Sir John A Macdonald Secondary School
CLASSROOM RENOVATIONS
650 Laurelwood Dr., Waterloo, ON
Project No.: 1036A
Drawn By: [Blank]
Reviewed: [Blank]

M2.03



- GENERAL DEMOLITION NOTES**
- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
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 - EXISTING DUCTWORK TO BE REMOVED COMPLETE.
 - EXISTING THERMOSTAT/SENSOR TO BE REMOVED COMPLETE. REMOVE EXISTING CONTROL WIRING BACK TO SOURCE.

15 Northland Road,
Waterloo, ON, N2Y 1Y8
Waterloo: 519-739-5555 ext 4
Windsor: 519-253-5555 ext 4
Project Number: 24073



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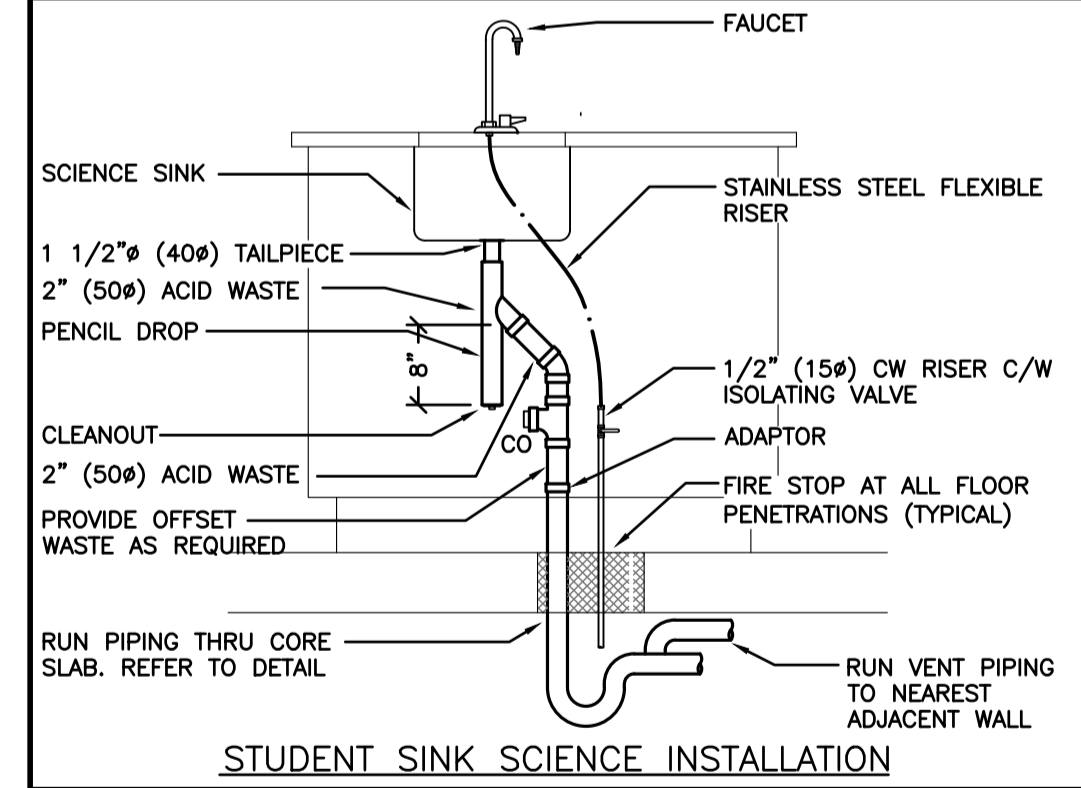
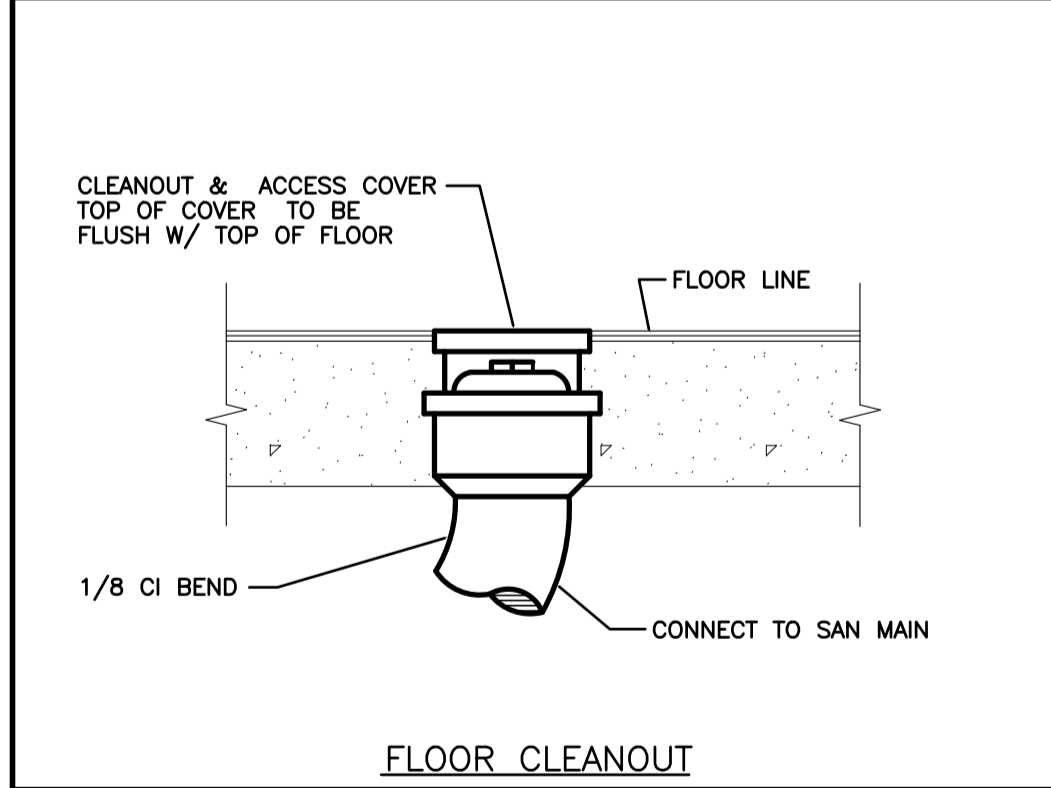
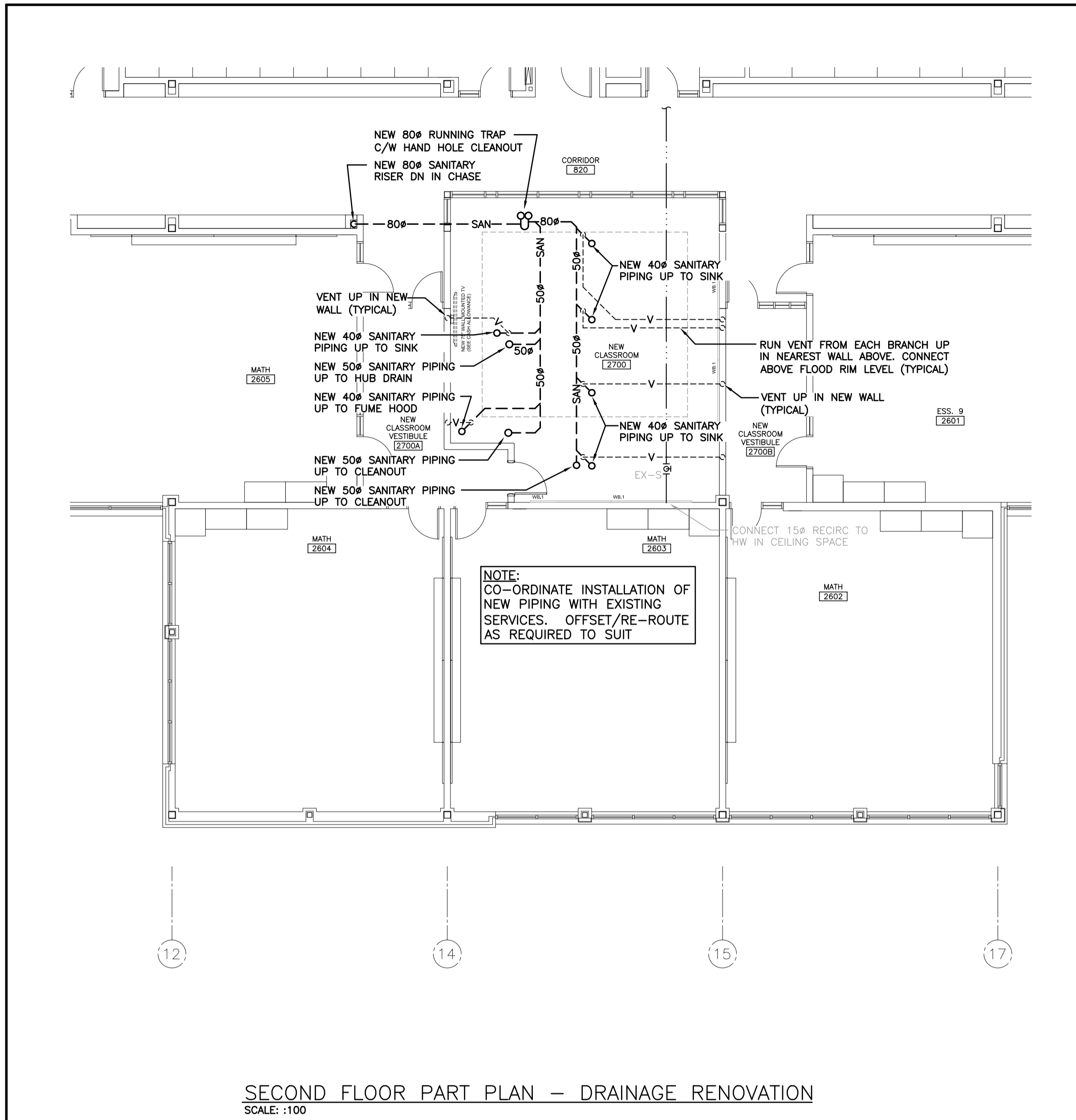
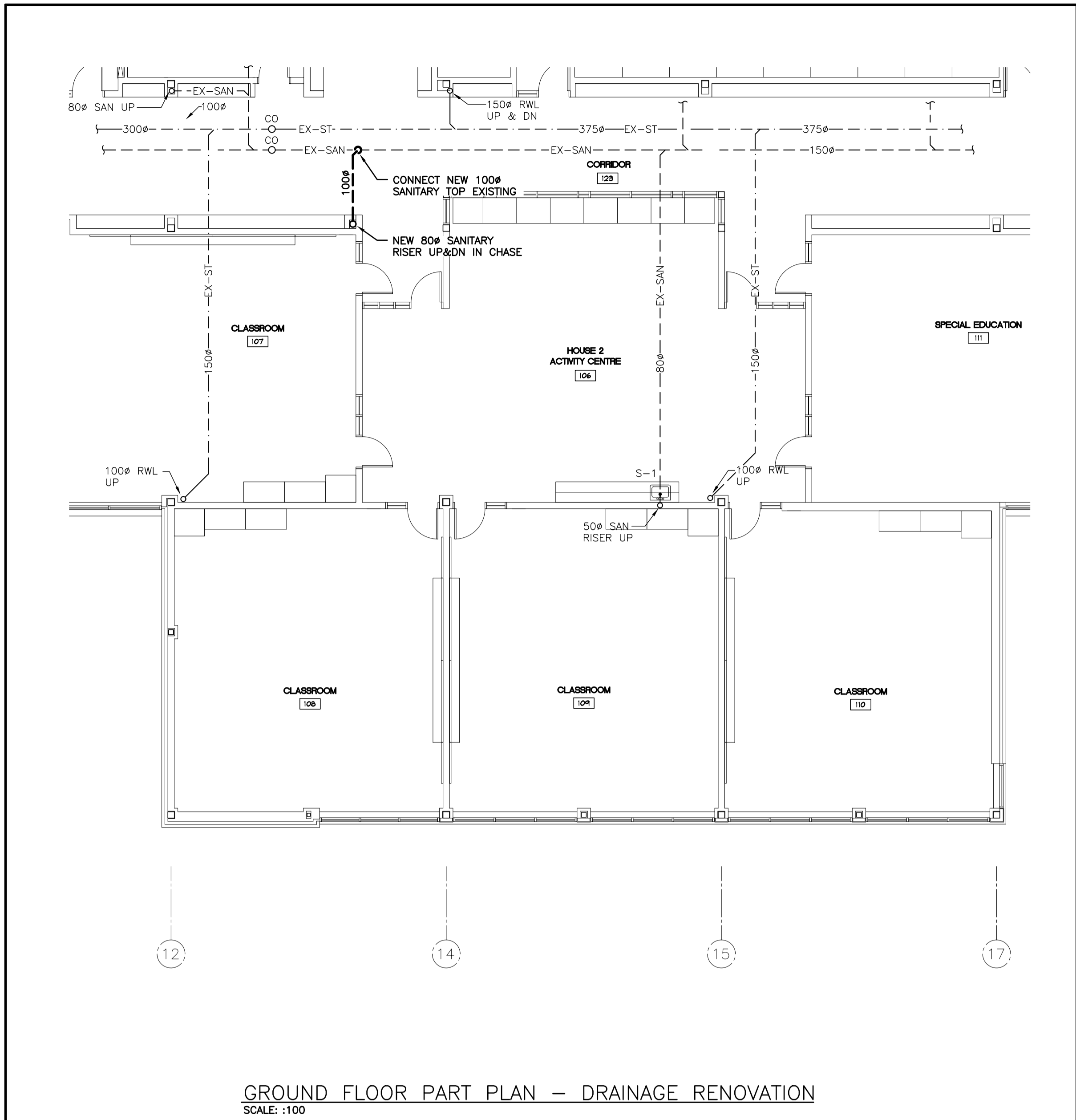


Sir John A Macdonald Secondary School
CLASSROOM RENOVATIONS
650 Laurelwood Dr., Waterloo, ON

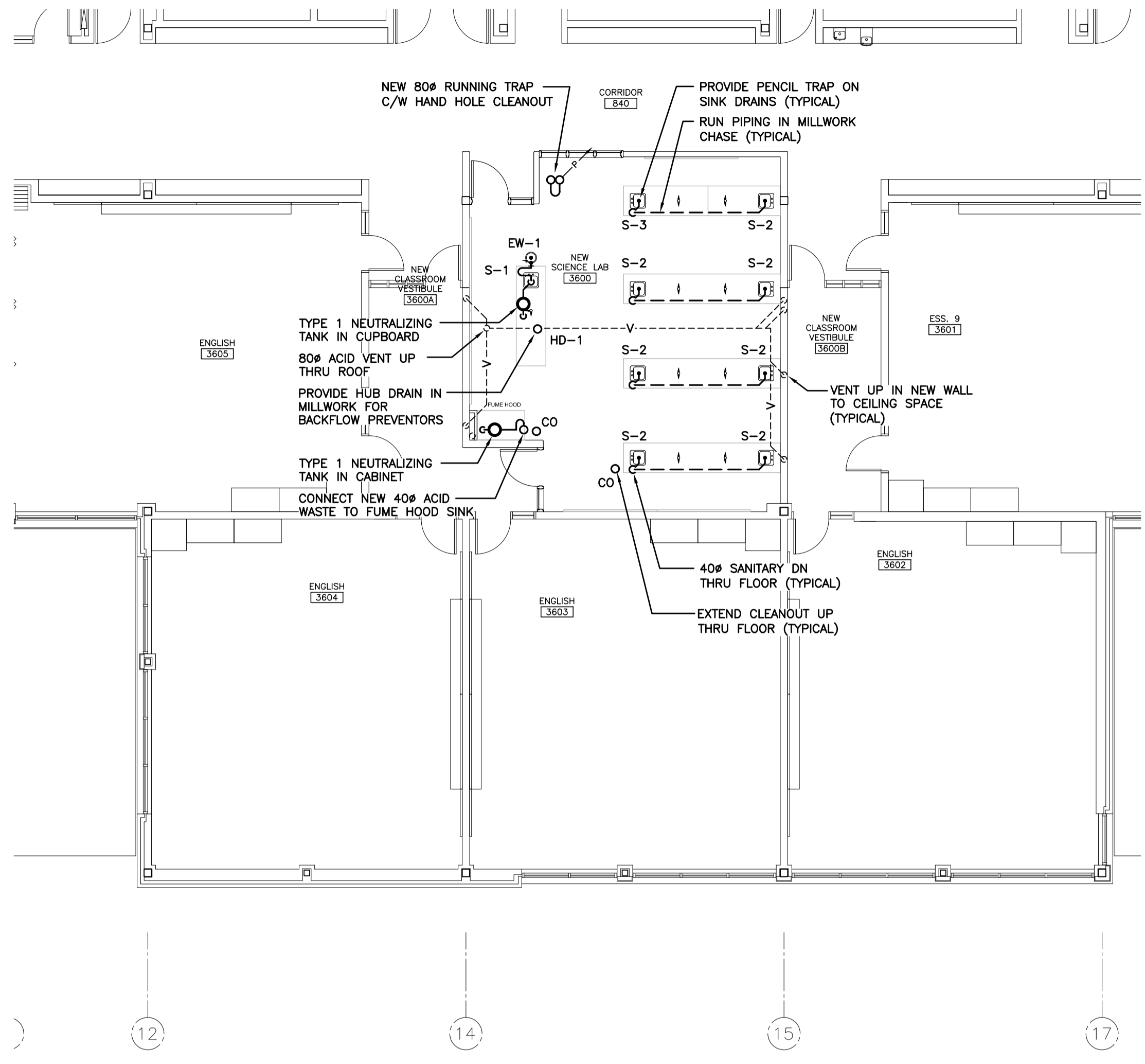
Project No.: 1036A
Drawn By: [Redacted]
Revised: [Redacted]

GROUND & SECOND FLOOR PART PLANS - DRAINAGE RENOVATION AND DETAILS

M3.01



- GENERAL NOTES**
- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.
 - SANITARY VENT PIPING IS NOT SHOWN. PROVIDE ALL NECESSARY VENT PIPING FROM ALL FIXTURES FOR A COMPLETE SYSTEM TO ALL LOCAL PLUMBING CODE & LOCAL AUTHORITY REQUIREMENTS, CONNECTED TO EXISTING VENTS OR NEW VENTS AS REQUIRED. CO-ORDINATE VENT LOCATION(S) WITH GENERAL CONTRACTOR. MAINTAIN MINIMUM 3700mm (12'-0") FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.
 - CO-ORDINATE UNDERGROUND STORM AND SANITARY PIPING WITH WEEPING TILE SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR PROPOSED LOCATIONS.
 - ALL FLOOR DRAINS ARE TO BE VENTED AND TRAP SEAL PRIMED. PROVIDE AUTOMATIC TRAP SEAL PRIMERS, MANIFOLDS AND ASSOCIATED PIPING AS REQUIRED.
 - EXTEND CLEANOUTS UP THROUGH FLOOR (TYPICAL).



THIRD FLOOR PART PLAN - DRAINAGE RENOVATION
SCALE: 1:100

GENERAL NOTES

- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.
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- EXTEND CLEANOUTS UP THROUGH FLOOR (TYPICAL).



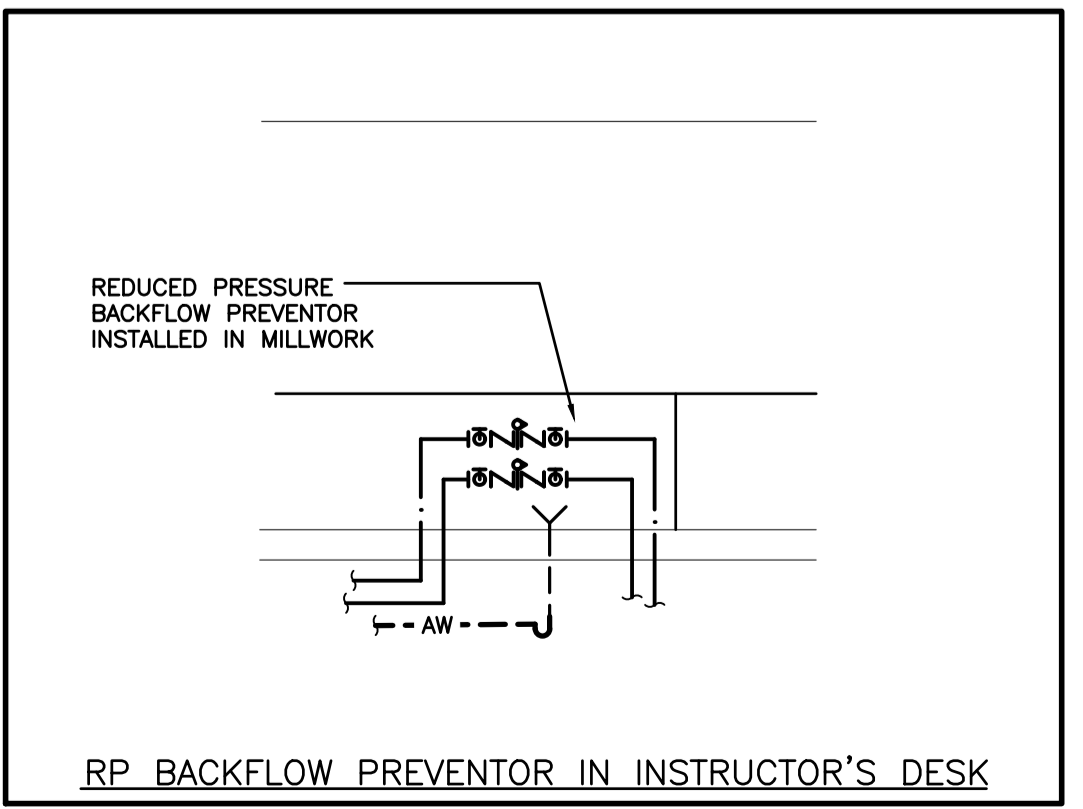
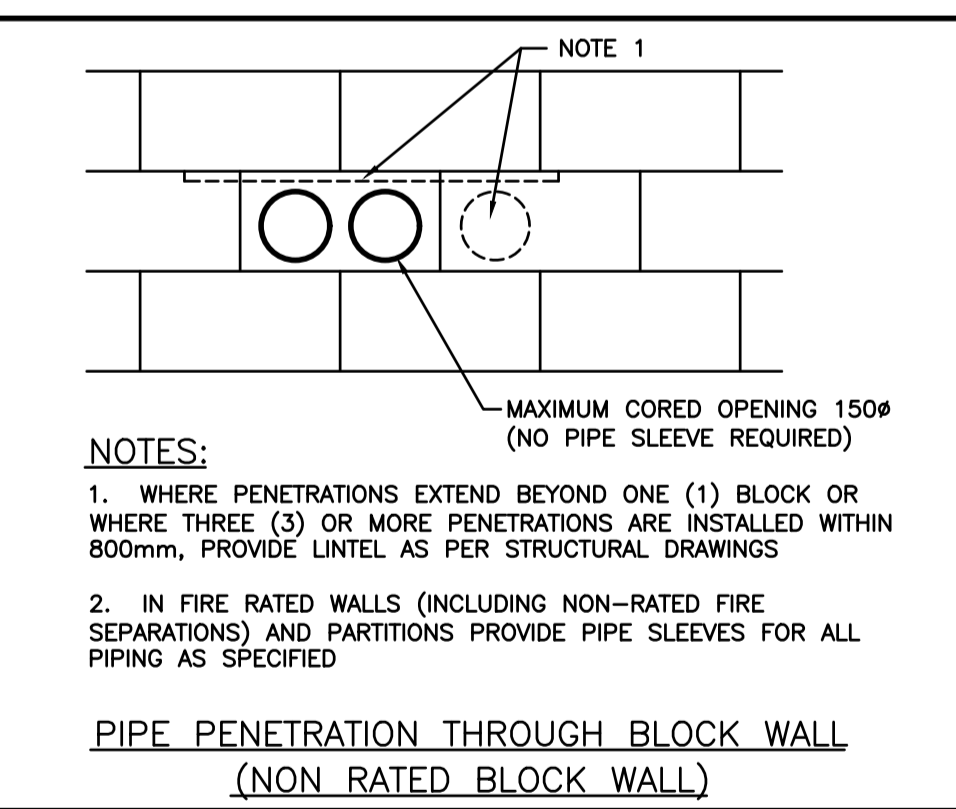
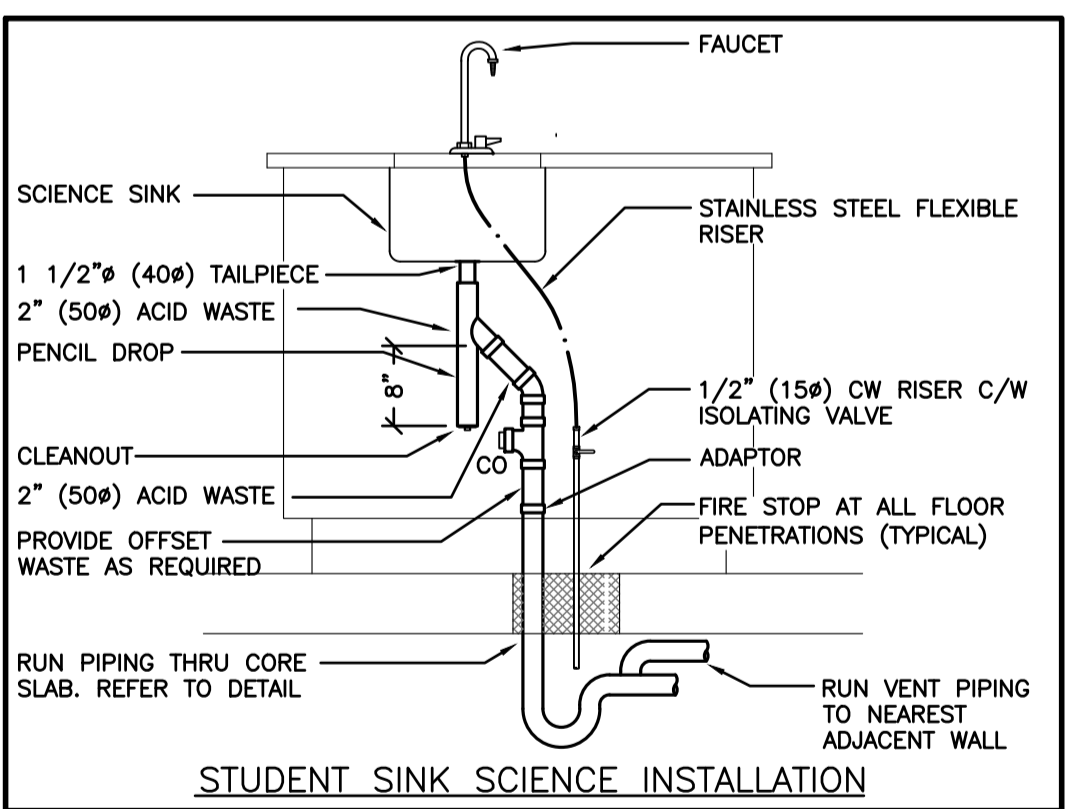
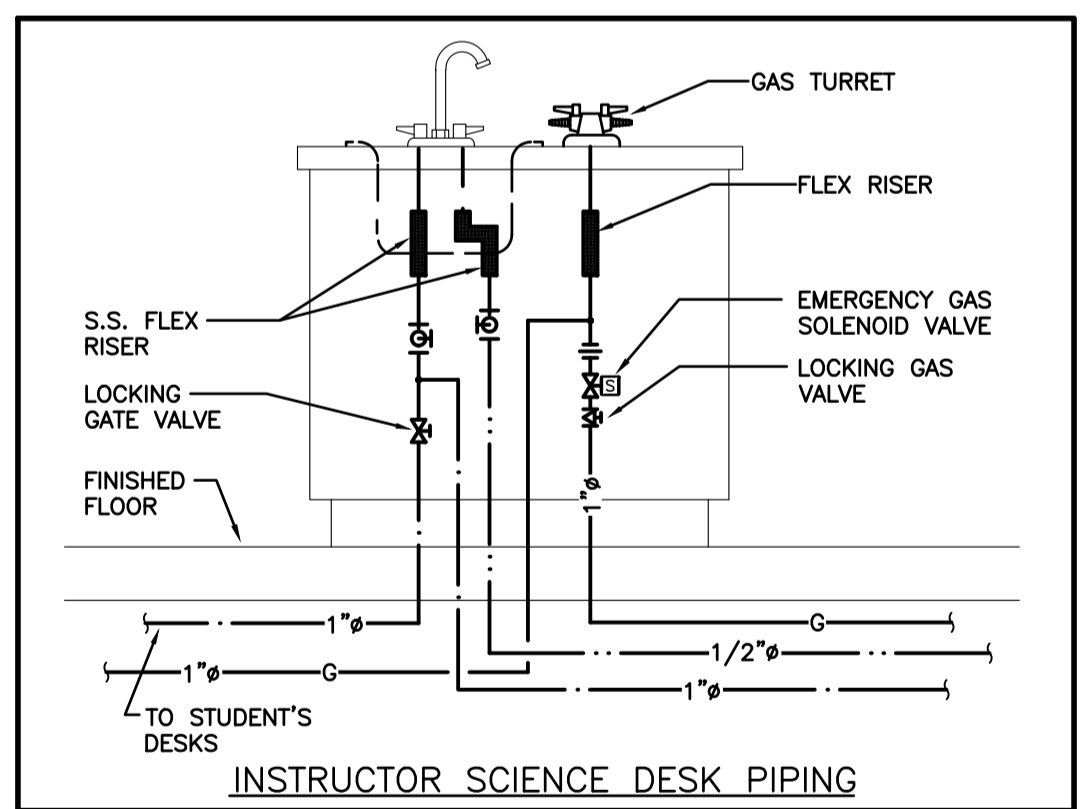
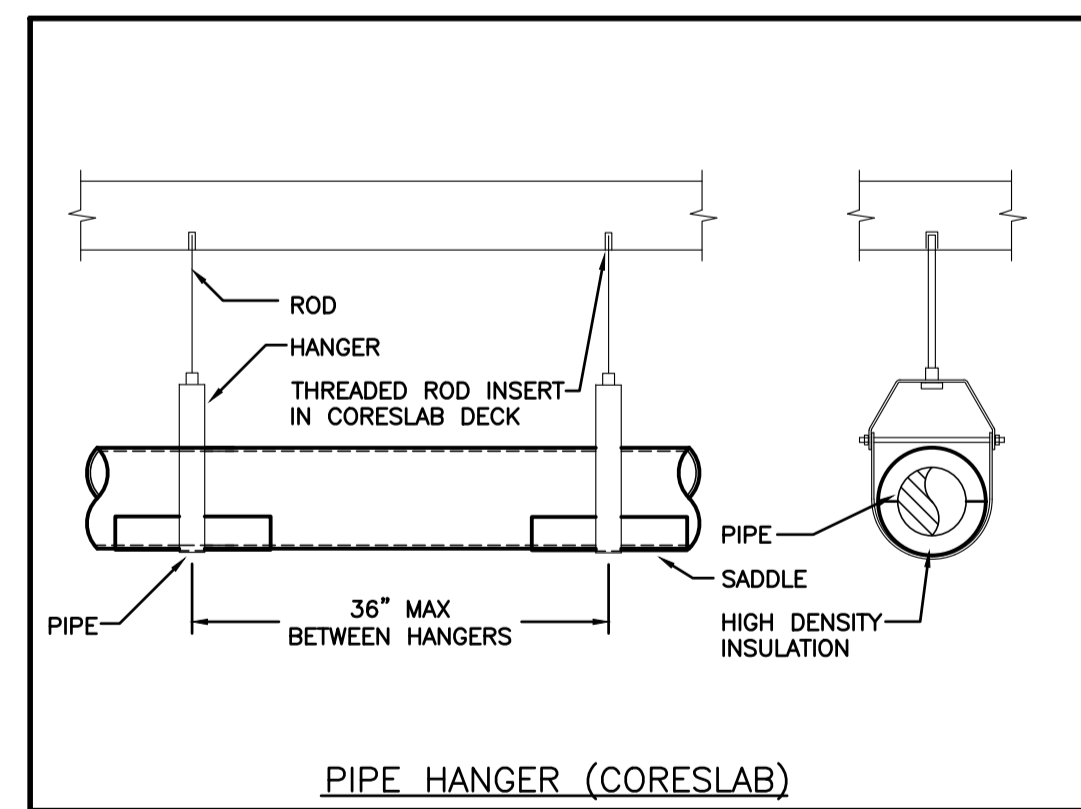
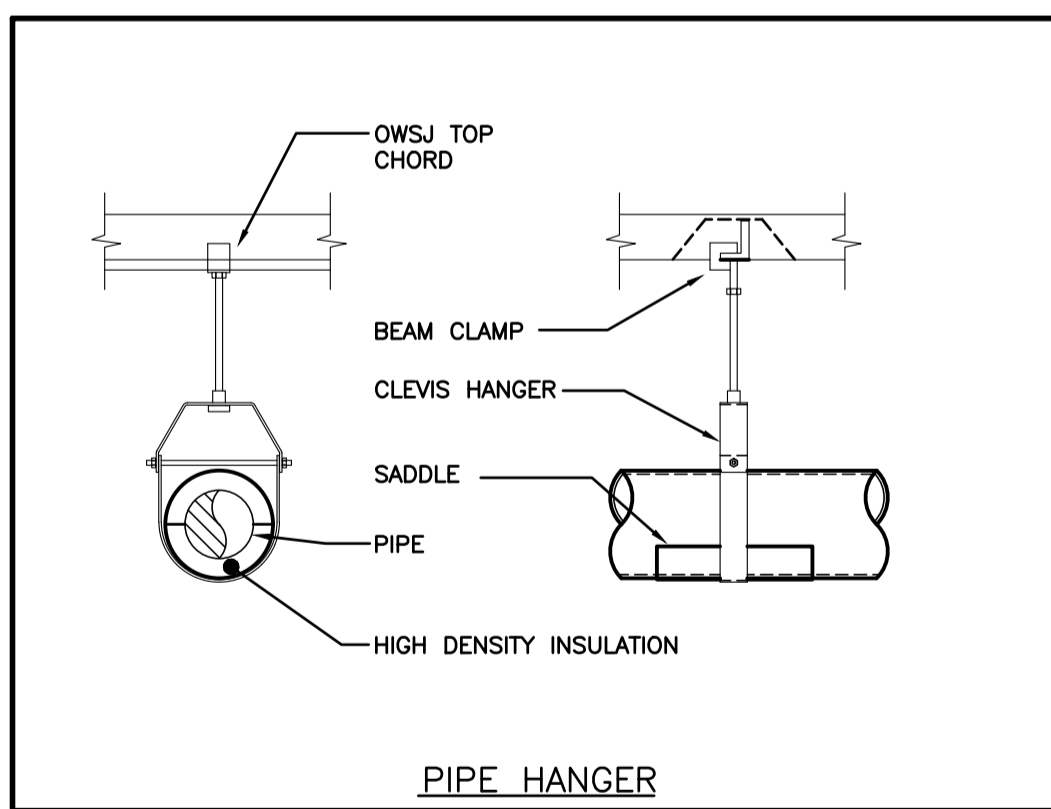
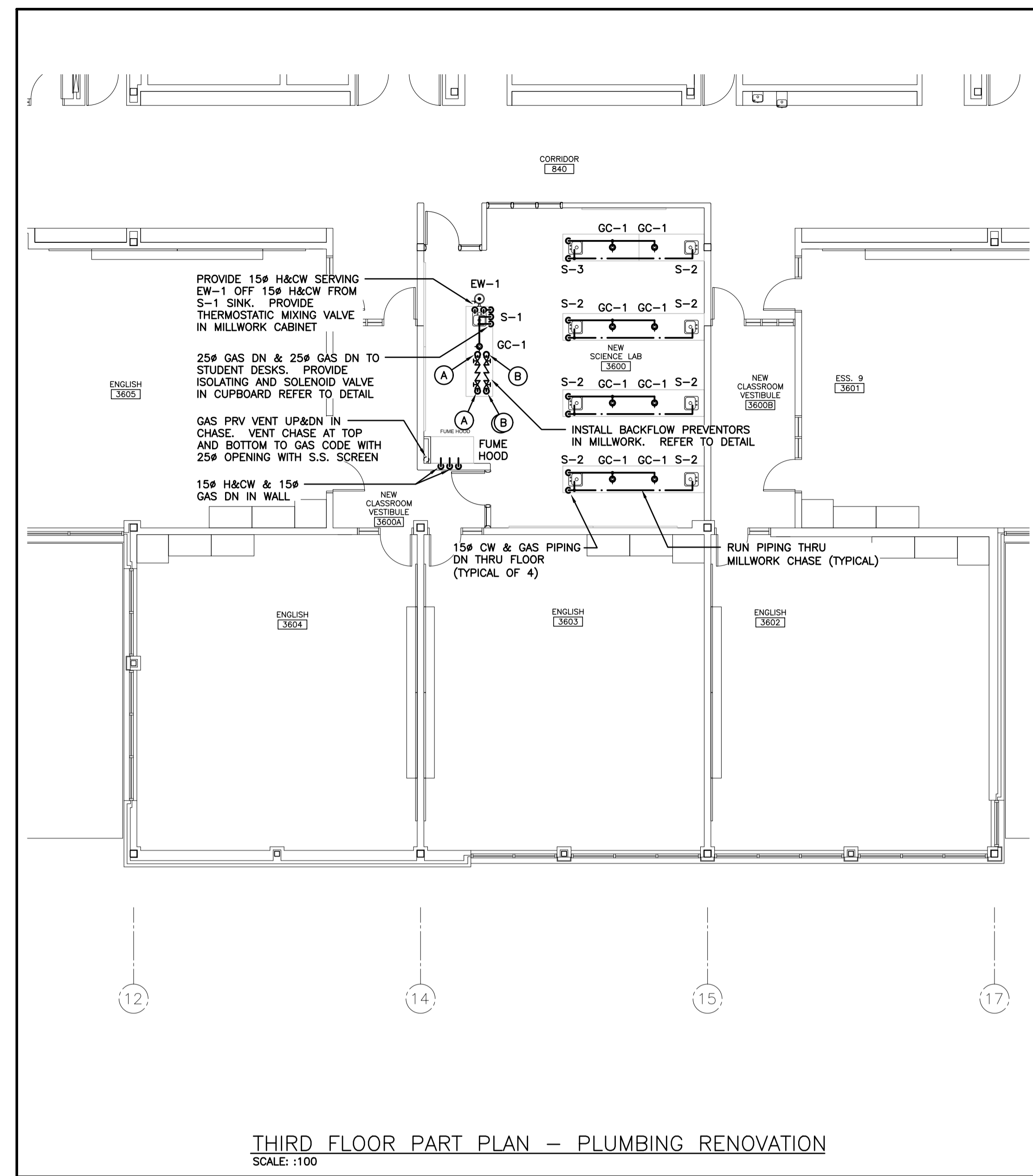
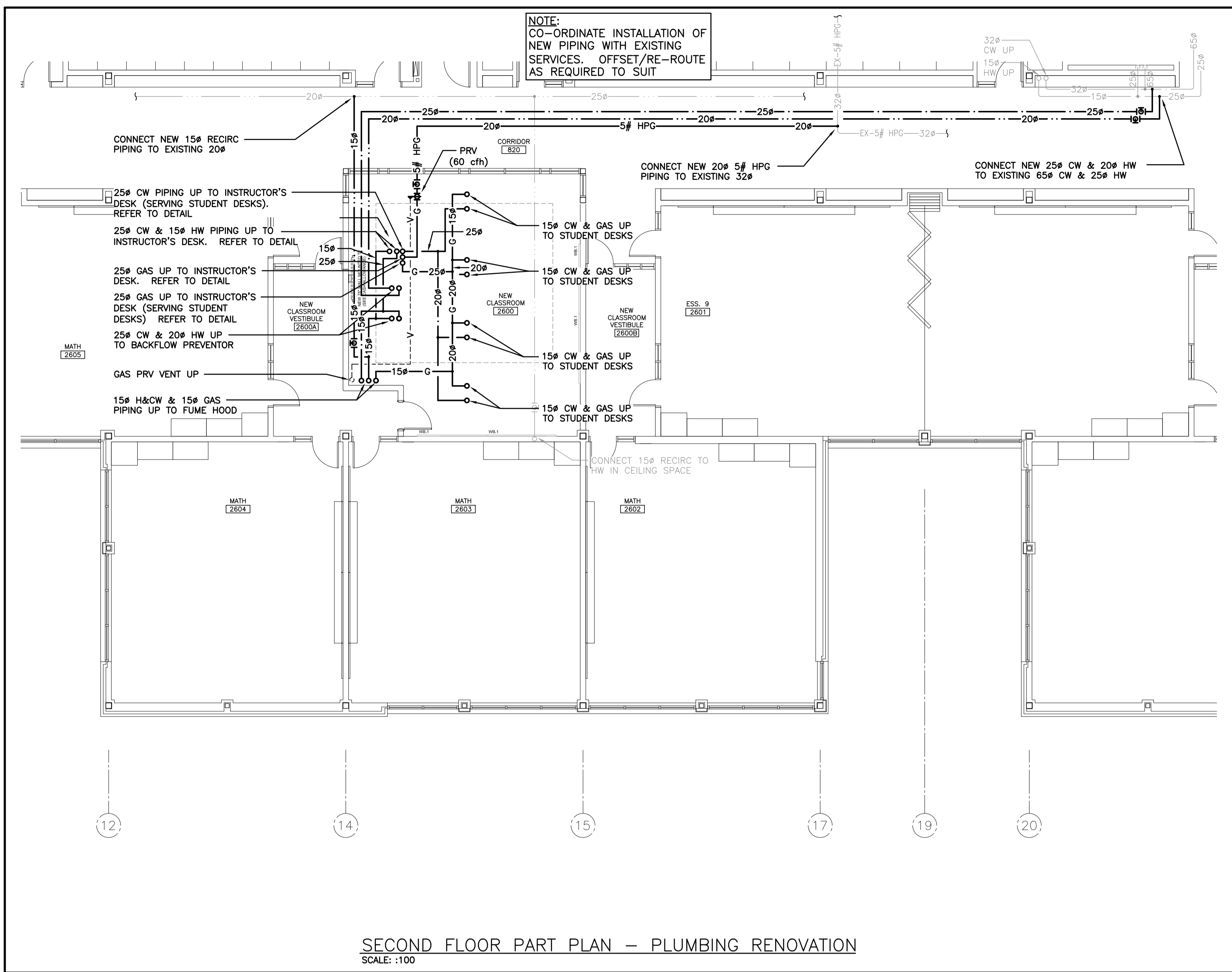
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2022-03-31



Sir John A Macdonald Secondary School
CLASSROOM RENOVATIONS
650 Laurelwood Dr. Waterloo, ON

THIRD FLOOR PART PLAN - DRAINAGE RENOVATION

Project No.: 1036A
Drawn By:
Revised:



GENERAL NOTES

- REFER TO 4 SERIES DRAWINGS FOR THERMOSTAT/SENSORS NOT INDICATED ON THIS DRAWING.
- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.

SPECIFIC RENOVATION NOTES

- 20# HW DN THROUGH FLOOR.
- 25# CW DN THROUGH FLOOR.
- REDUCED PRESSURE BACKFLOW PREVENTOR IN MILLWORK. REFER TO DETAIL.

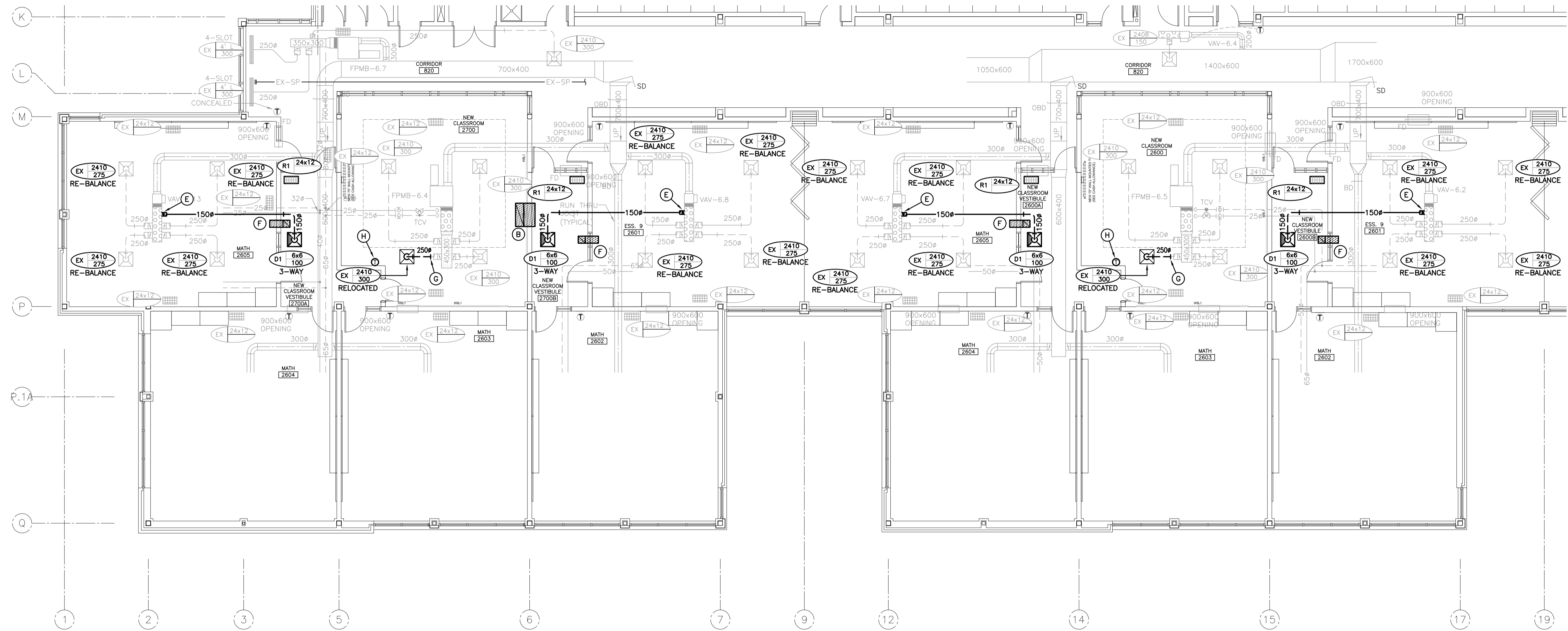


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Sir John A Macdonald Secondary School
CLASSROOM RENOVATIONS
650 Laurelwood Dr. Waterloo, ON
Project No.: 1036A
Second Floor Part Plan - Ductwork Renovation

M4.01



NOTE:
RE-BALANCE DIFFUSERS TO
CAPACITIES AS INDICATED

NOTE:
WORK IN THIS AREA IS PART OF ITEMIZED PRICE #1.
REFER TO ARCHITECTURAL DOCUMENTATION

NOTE:
RE-BALANCE DIFFUSERS TO
CAPACITIES AS INDICATED

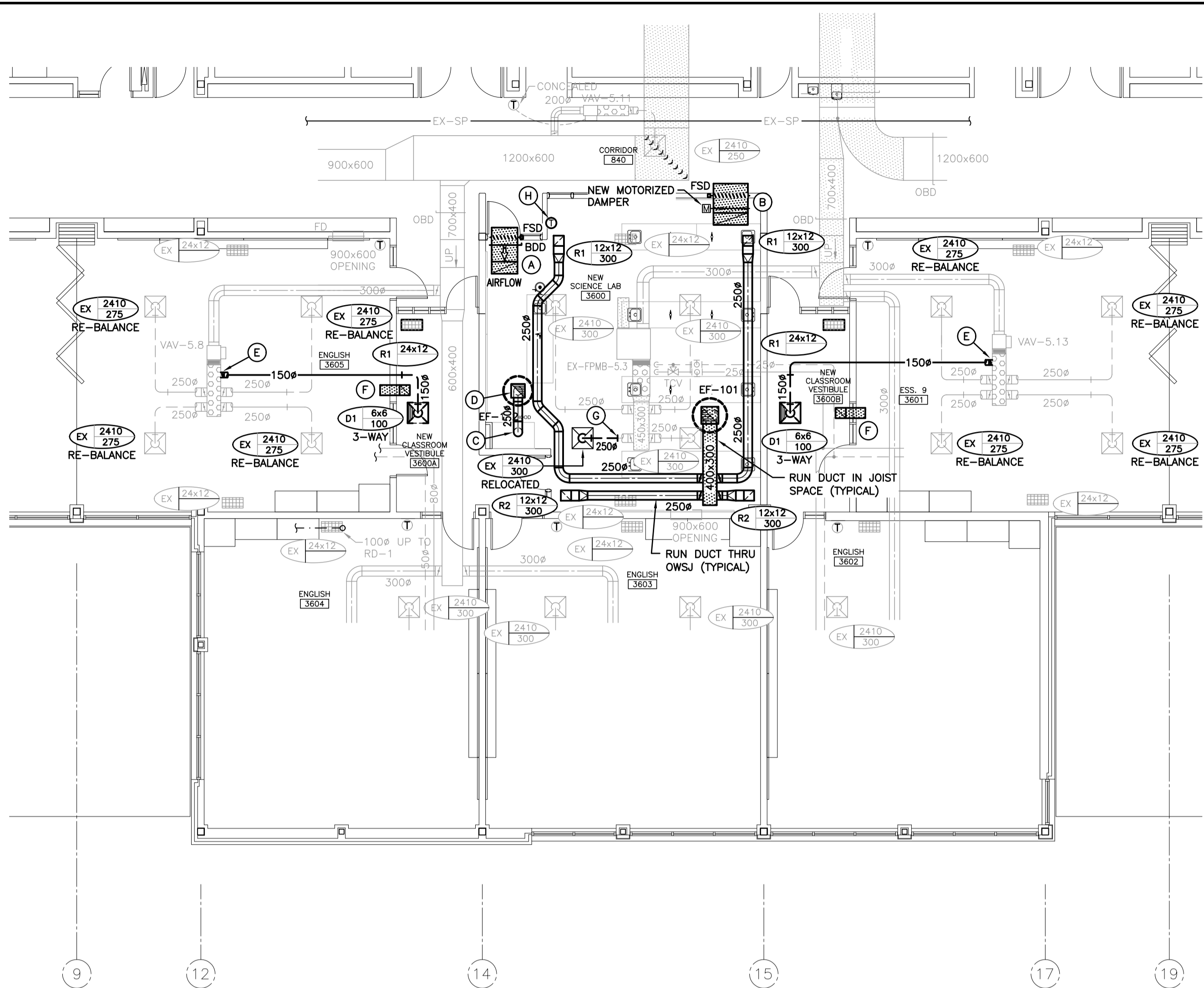
SECOND FLOOR PART PLAN - DUCTWORK RENOVATION
SCALE: :100

GENERAL RENOVATION NOTES

- CLEAN AND VACUUM EXISTING DUCTWORK ADJACENT TO NEW CONNECTIONS 10'-0"± IN EACH DIRECTION.
- CO-ORDINATE ANY OWSJ BRIDGING RELOCATION OR REMOVAL/REPLACEMENT WITH THE GENERAL CONTRACTOR. PAY ALL COSTS REQUIRED TO MODIFY BRIDGING FOR INSTALLATION OF DUCTWORK.
- SANITARY VENT PIPING IS NOT SHOWN. PROVIDE ALL NECESSARY VENT PIPING FROM ALL FIXTURES FOR A COMPLETE SYSTEM TO ALL LOCAL PLUMBING CODE & LOCAL AUTHORITY REQUIREMENTS, CONNECTED TO EXISTING VENTS OR NEW VENTS AS REQUIRED. CO-ORDINATE VENT LOCATION(S) WITH GENERAL CONTRACTOR. MAINTAIN MINIMUM 3700MM (12'-0") FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.
- CO-ORDINATE LOCATIONS OF GRILLES/DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLANS. FINAL LOCATION TO BE DETERMINED ON SITE. CONTRACTOR TO NOTIFY CONSULTANT OF ANY DISCREPANCIES PRIOR TO INSTALLATION. FAILURE TO DO SO WILL RESULT IN RELOCATION COSTS BORNE BY THIS CONTRACTOR.
- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.
- REFER TO 3 SERIES DRAWINGS FOR THERMOSTAT/SENSORS NOT INDICATED ON THIS DRAWING.
- WHERE DUCTWORK PENETRATES CORRIDOR WALL, CENTER DUCT(S) BETWEEN OWSJ.

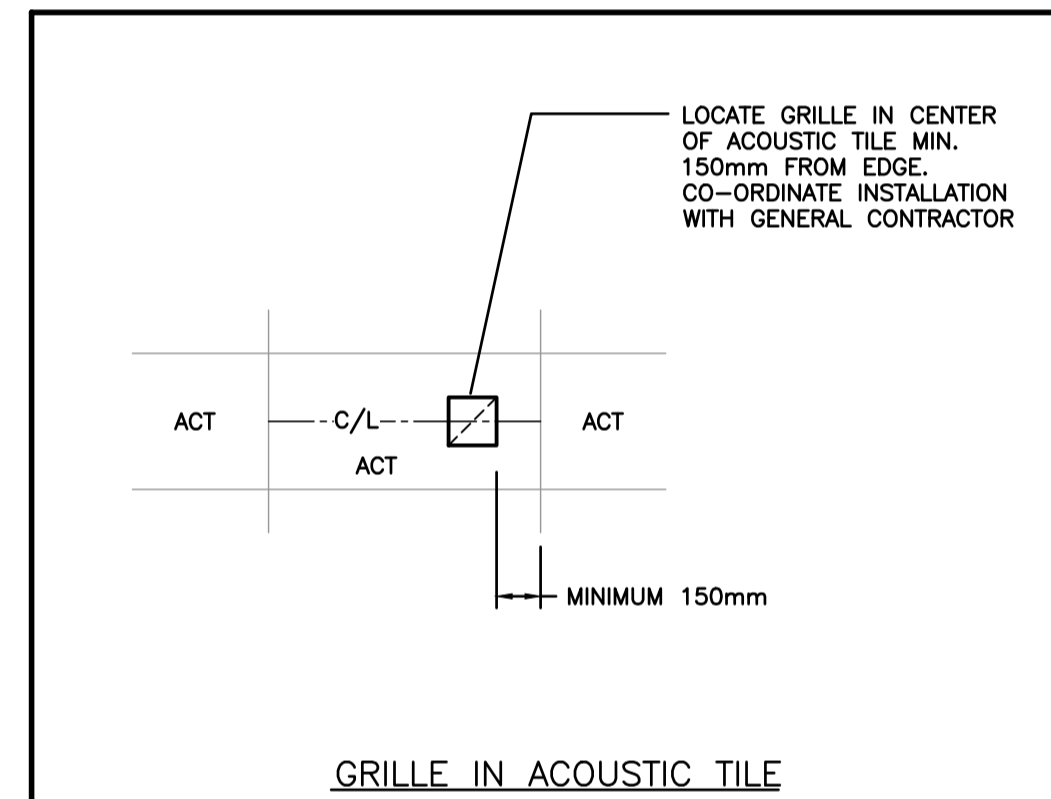
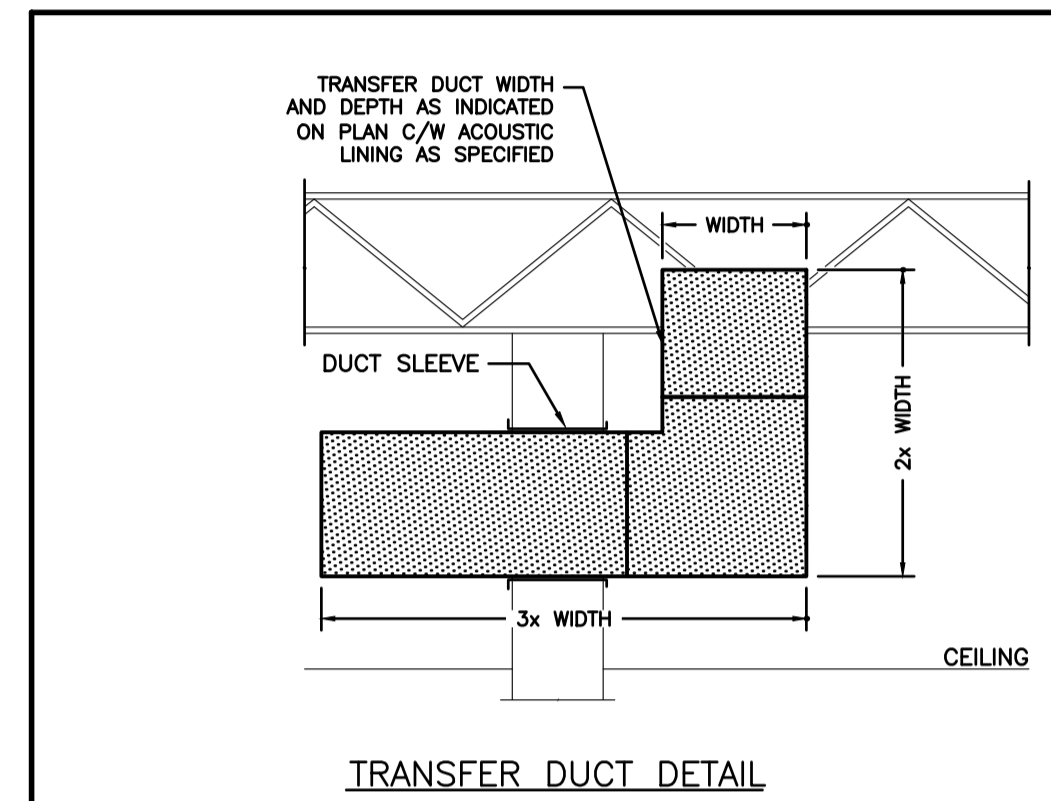
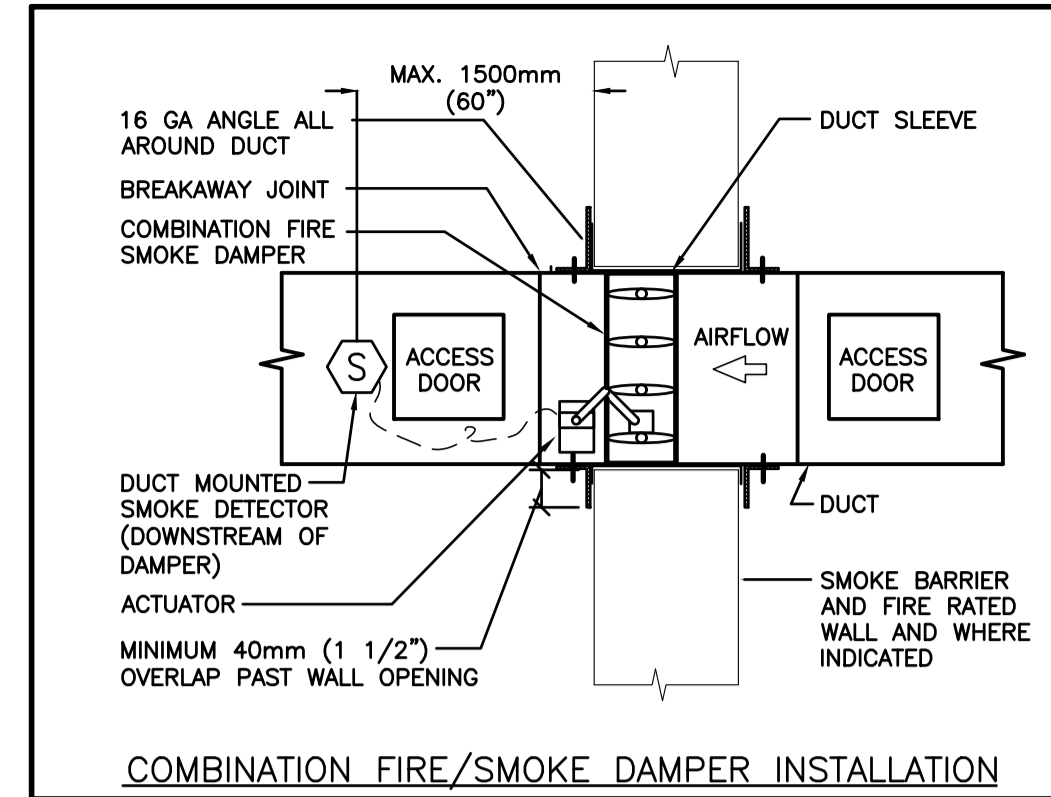
SPECIFIC RENOVATION NOTES

- A. NEW 750x350 TRANSFER DUCT. REFER TO DETAIL.
- B. NEW 900x600 TRANSFER DUCT. REFER TO DETAIL.
- C. 300# S.S EXHAUST DUCT DN. CONNECT TO FUMEHOOD.
- D. 300# S.S EXHAUST DUCT UP. TRANSITION THRU ROOF TO EF-102.
- E. CONNECT NEW 150# SUPPLY DUCT TO EXISTING DUCT MAIN.
- F. 300x300 TRANSFER DUCT. REFER TO DETAIL.
- G. CONNECT NEW 250# SUPPLY DUCT TO EXISTING 250#.
- H. NEW DDC THERMOSTAT. CONNECT TO EXISTING TCV.



NOTE:
RE-BALANCE DIFFUSERS TO
CAPACITIES AS INDICATED

THIRD FLOOR PART PLAN - DUCTWORK RENOVATION
SCALE: 1:100

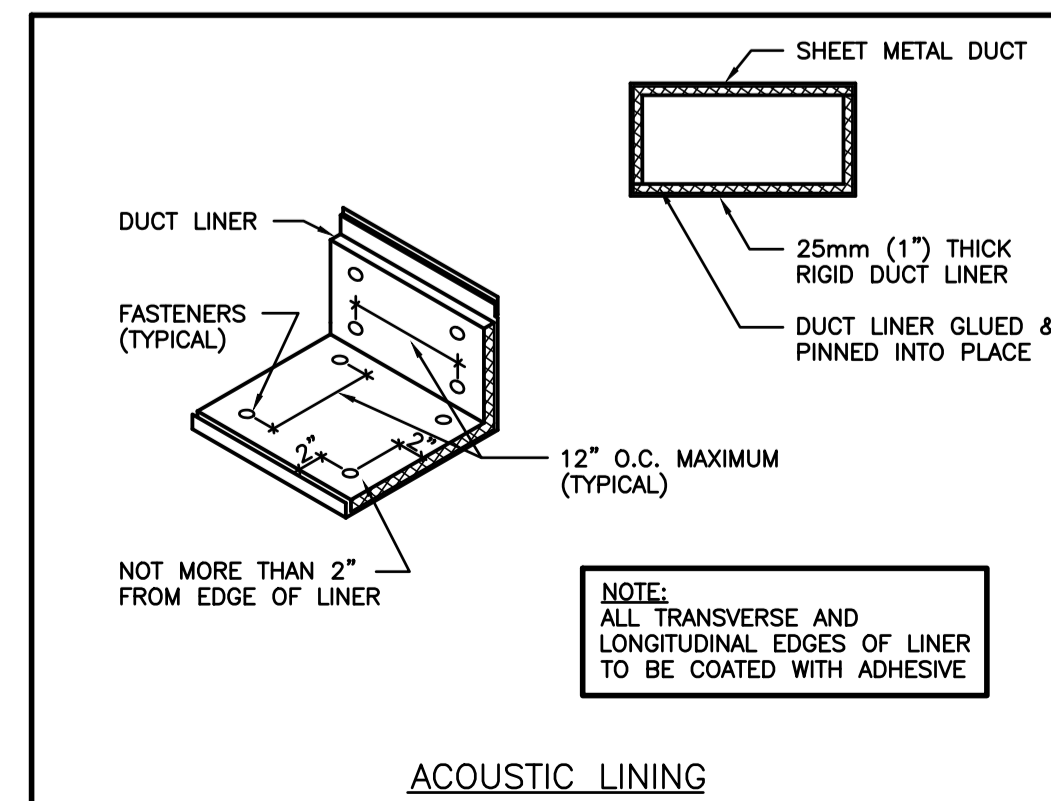
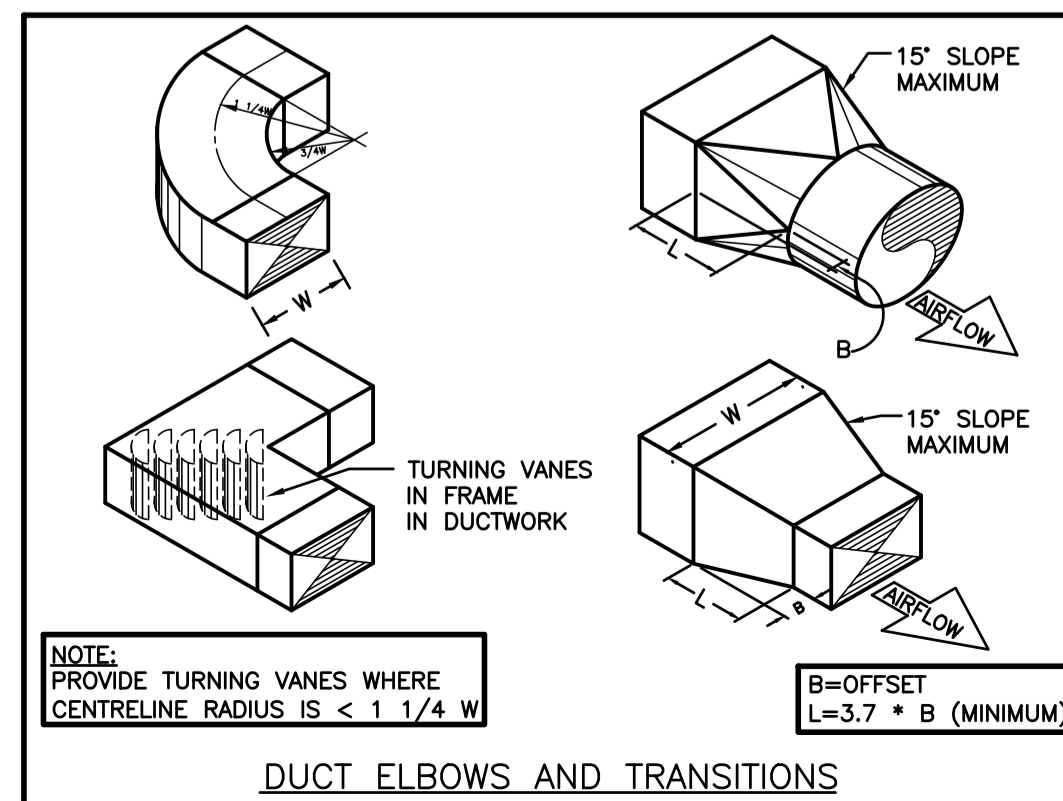
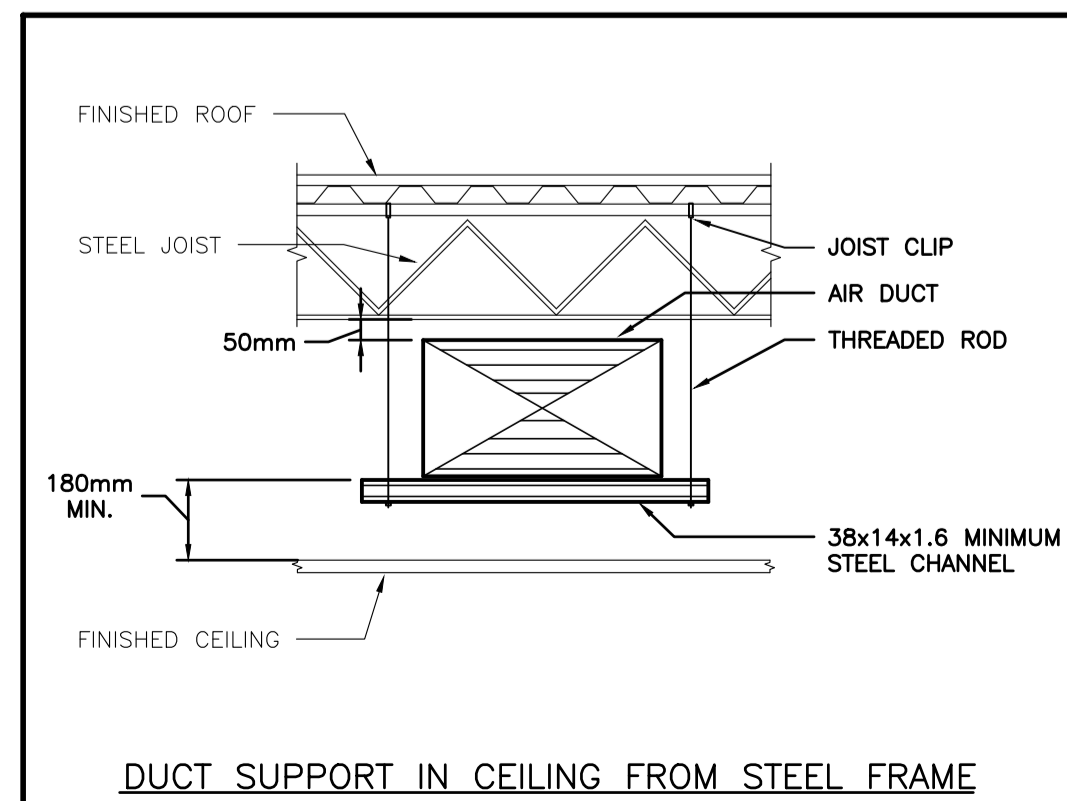
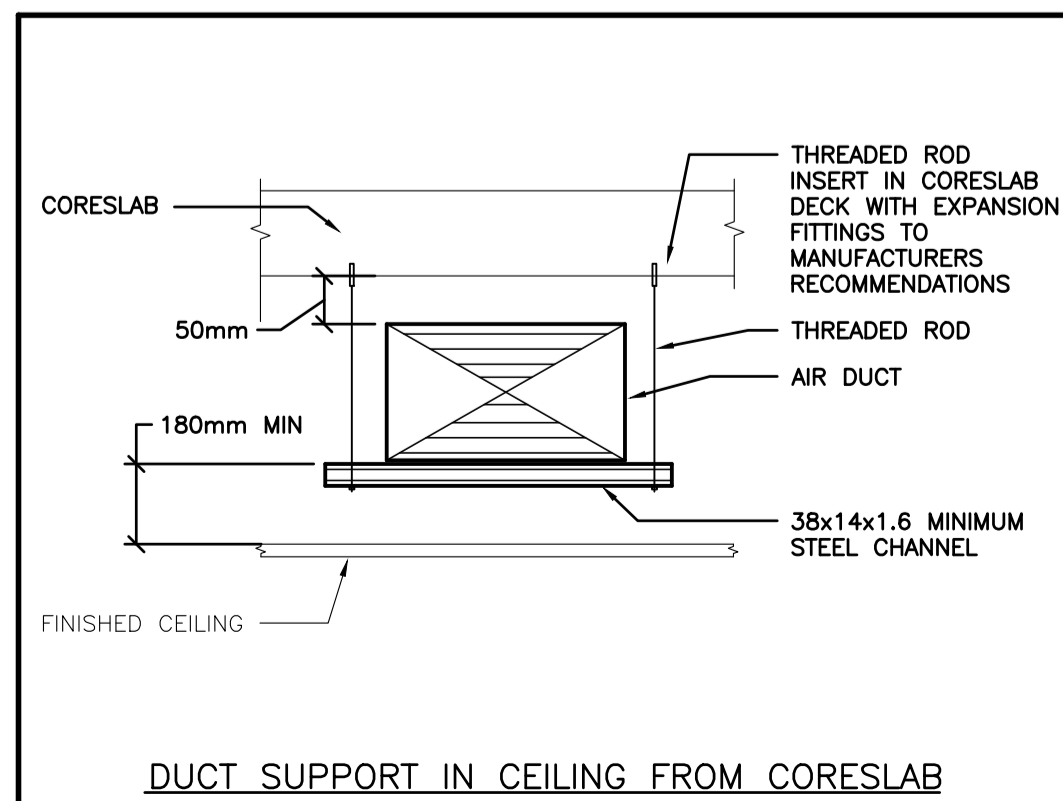
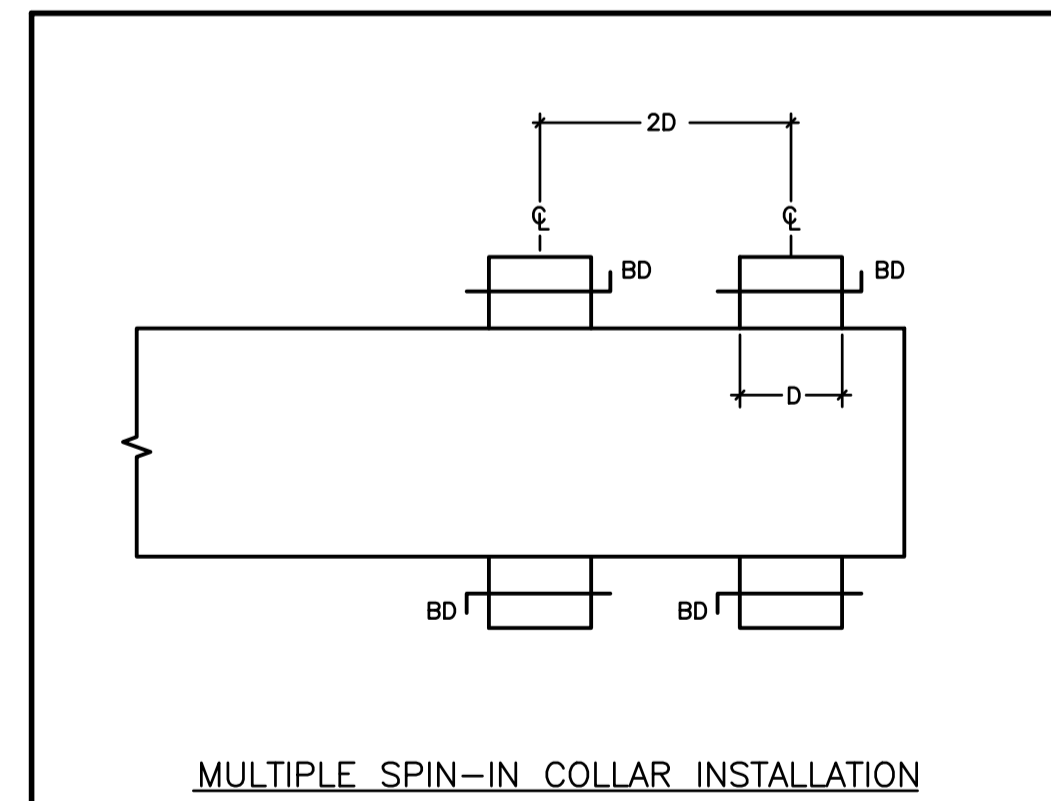
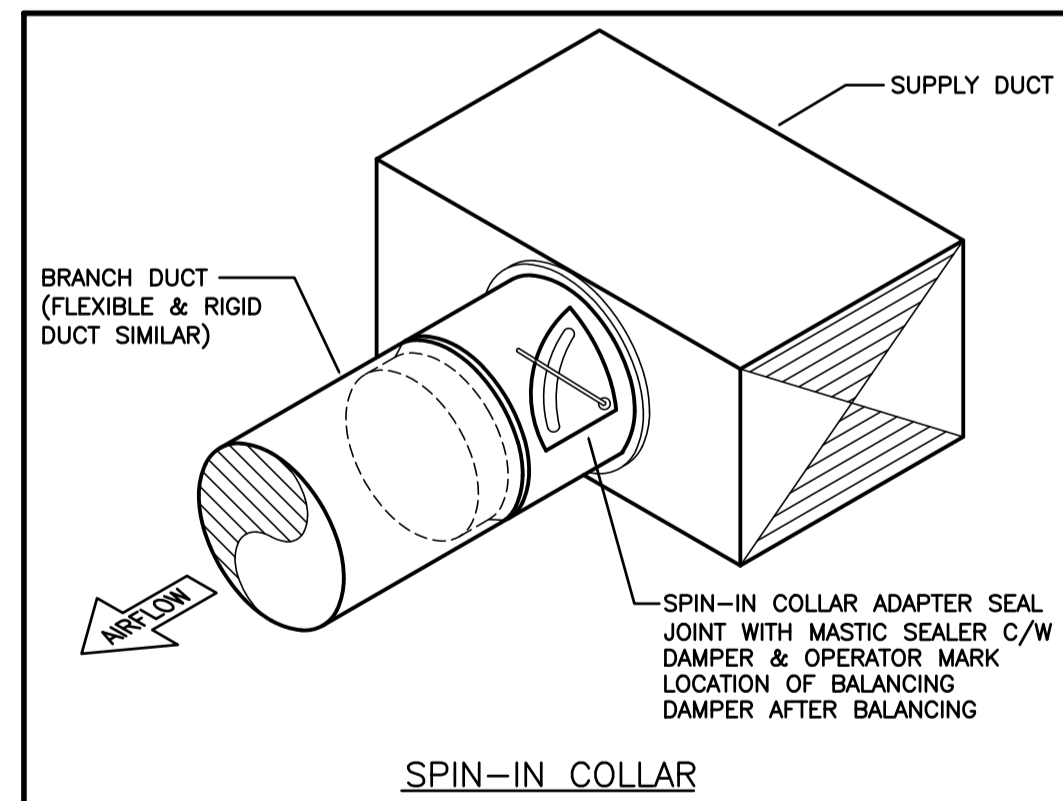
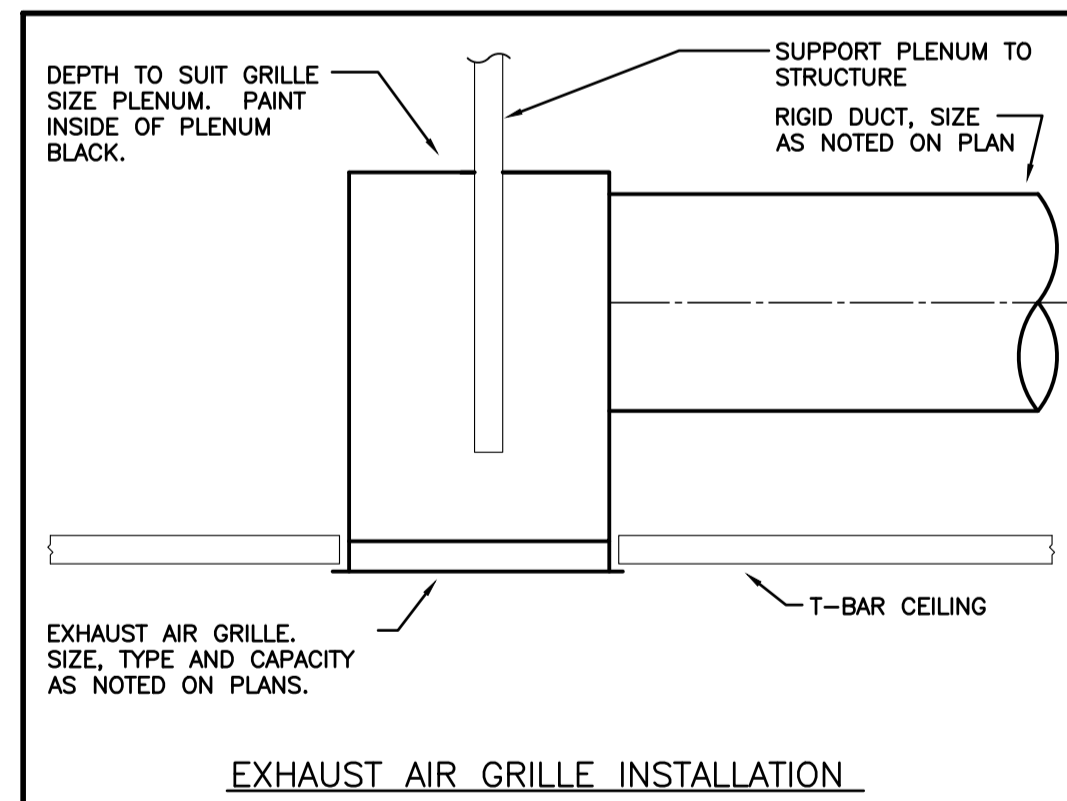
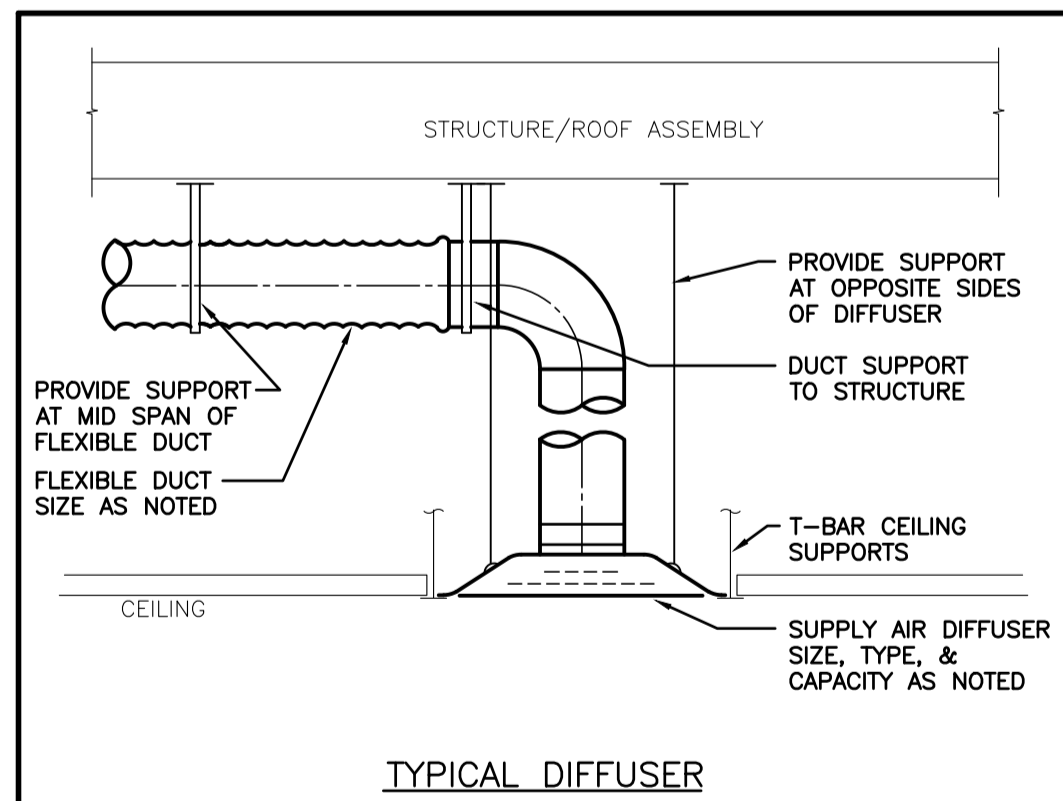


GENERAL RENOVATION NOTES

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- CO-ORDINATE LOCATIONS OF GRILLES/DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLANS. FINAL LOCATION TO BE DETERMINED ON SITE. CONTRACTOR TO NOTIFY CONSULTANT OF ANY DISCREPANCIES PRIOR TO INSTALLATION. FAILURE TO DO SO WILL RESULT IN RELOCATION COSTS BORNE BY THIS CONTRACTOR.
- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.
- REFER TO 3 SERIES DRAWINGS FOR THERMOSTAT/SENSORS NOT INDICATED ON THIS DRAWING.
- WHERE DUCTWORK PENETRATES CORRIDOR WALL, CENTER DUCT(S) BETWEEN OWSJ.

SPECIFIC RENOVATION NOTES

- A. NEW 750x350 TRANSFER DUCT. REFER TO DETAIL.
- B. NEW 900x600 TRANSFER DUCT. REFER TO DETAIL.
- C. 300ø S.S EXHAUST DUCT DN. CONNECT TO FUMEHOOD.
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- E. CONNECT NEW 150ø SUPPLY DUCT TO EXISTING DUCT MAIN.
- F. 300x300 TRANSFER DUCT. REFER TO DETAIL.
- G. CONNECT NEW 250ø SUPPLY DUCT TO EXISTING 250ø.
- H. NEW DDC THERMOSTAT. CONNECT TO EXISTING TCV.



ISSUED FOR TENDER
2022-03-31



Sir John A Macdonald Secondary School
CLASSROOM RENOVATIONS
650 Laurelwood Dr. Waterloo, ON
Project No.: 1036A
Drawn By: [Blank]
Reviewed: [Blank]

THIRD FLOOR PART PLAN - DUCTWORK RENOVATION AND DETAILS
M4.02



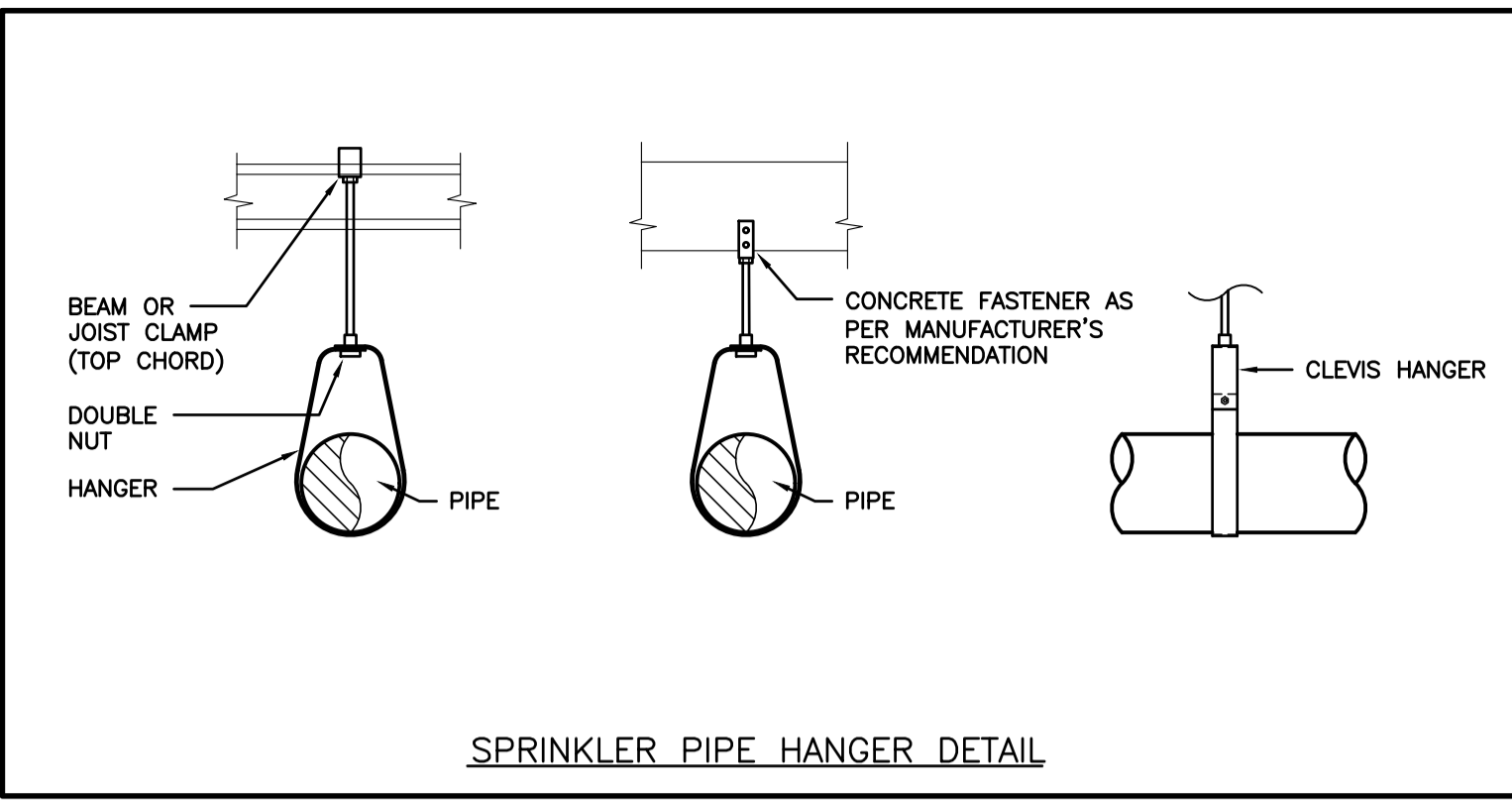
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2022-03-31



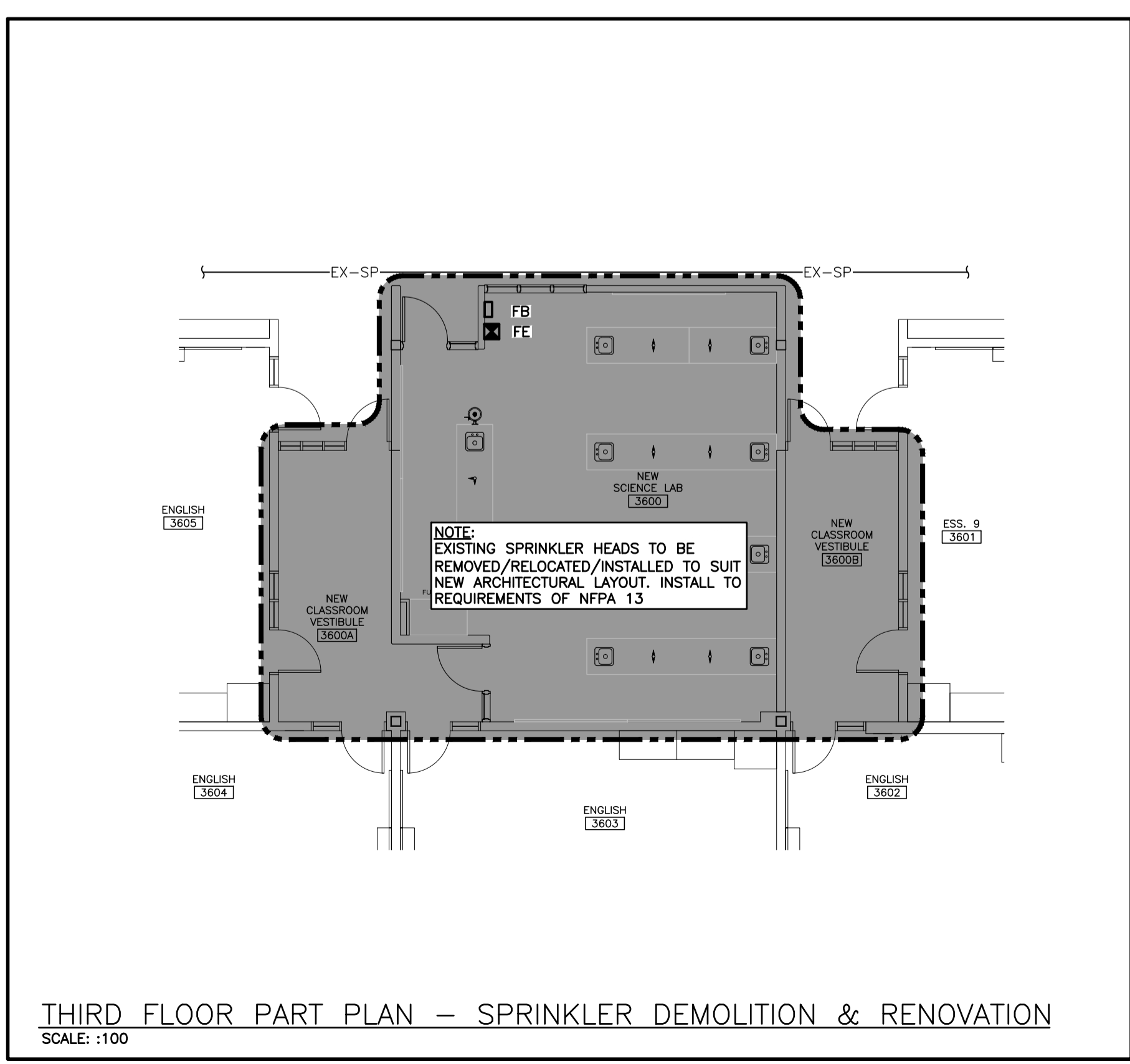
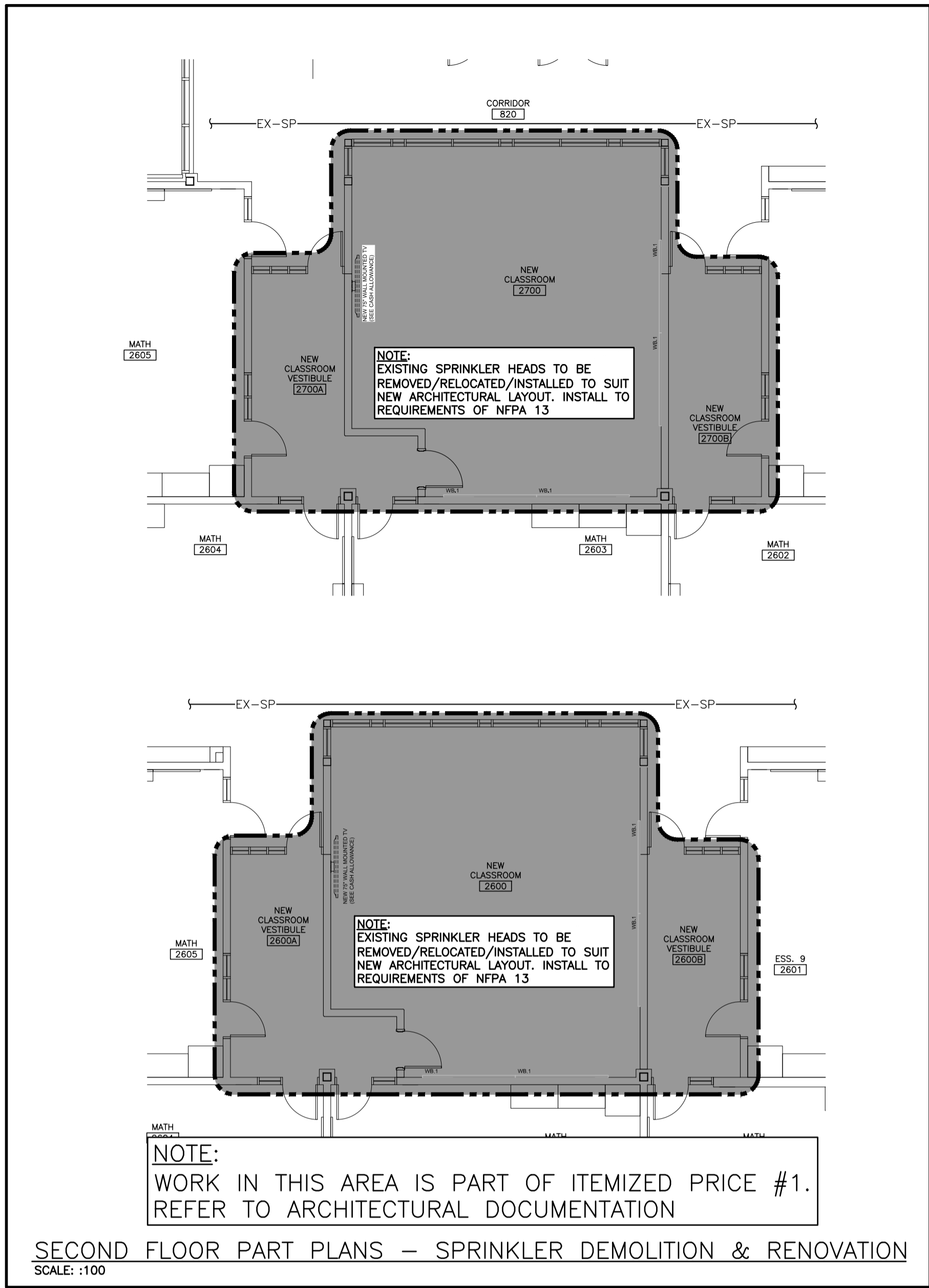
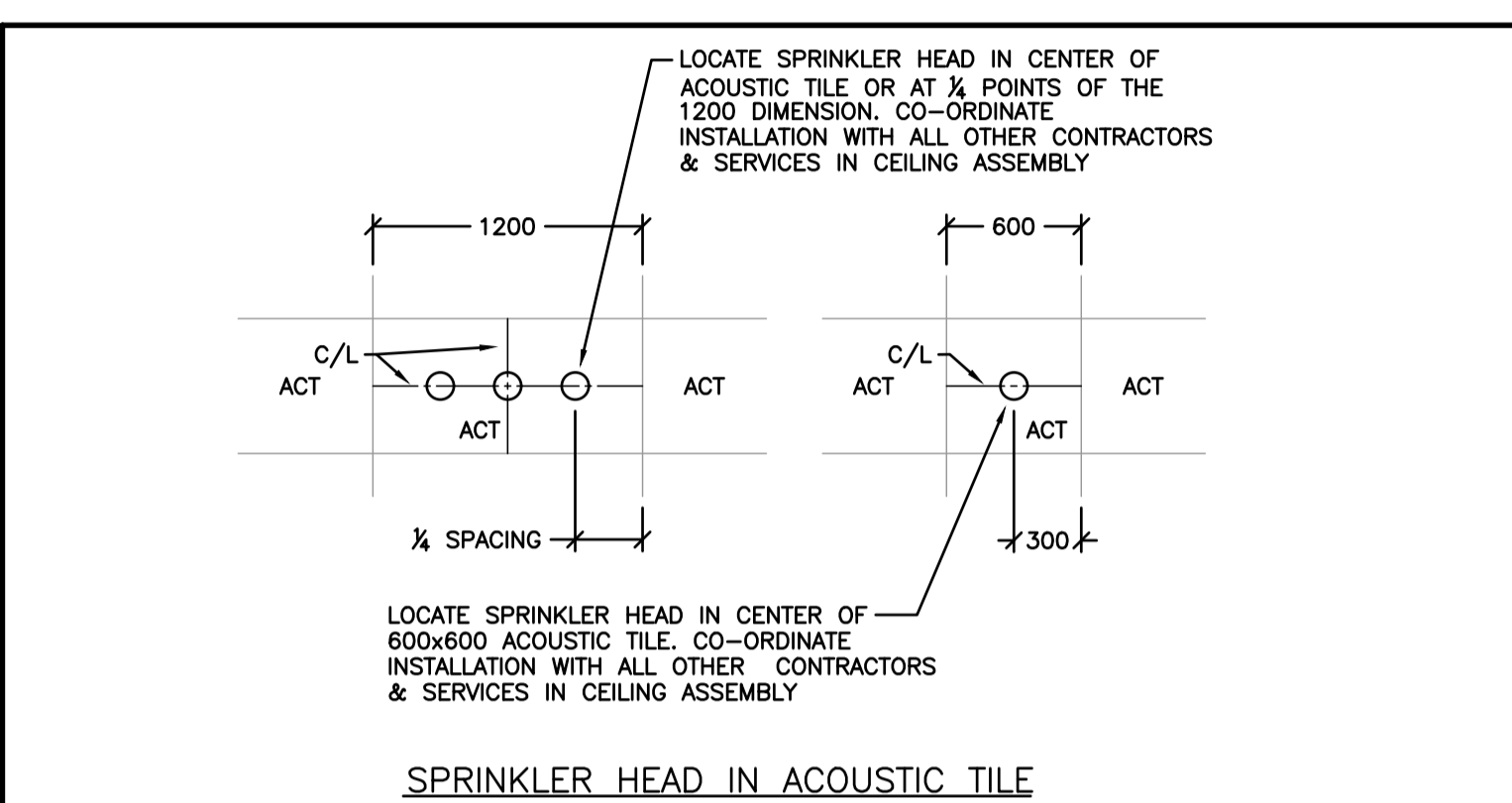
Sir John A Macdonald Secondary School
 CLASSROOM RENOVATIONS
 650 Laurelwood Dr., Waterloo, ON
 Project No.: 1036A
 Drawn By: [Blank]
 Revised: [Blank]
**SECOND & THIRD FLOOR PART PLANS -
 SPRINKLER DEMOLITION AND RENOVATION**

M5.01

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



- ### GENERAL RENOVATION NOTES
- SUBMIT PRELIMINARY DESIGN & HYDRAULIC CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER, AND MANUFACTURERS' PRODUCT SHEETS FOR SHOP DRAWING SUBMISSION AS SPECIFIED PRIOR TO COMMENCING WORK.
 - ENSURE DESIGN MEETS OR EXCEEDS PRESENT NFPA 13 STANDARDS. ENSURE SPRINKLER SYSTEMS ARE INSTALLED TO NFPA 13 STANDARDS. UPON COMPLETION, SPRINKLER CONTRACTOR TO PROVIDE REPRODUCIBLE DRAWING (AT 1/8"=1'-0" SCALE) AND HYDRAULIC CALCULATIONS OF AS-BUILT CONDITION.
 - SPRINKLER CONTRACTOR'S 'PROFESSIONAL ENGINEER' TO PROVIDE O.B.C. AND NFPA REQUIRED INSPECTION AND CERTIFICATION.
 - REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLAN.
 - PROVIDE SPRINKLER HEAD TYPES AS FOLLOWS:
 - PROVIDE CONCEALED PENDENT HEADS IN CEILINGS OF CORRIDORS, CLASSROOMS, AND VESTIBULES. COVER PLATE FINISH SELECTED BY CONSULTANT.
 - SPRINKLER HEADS TO BE IN CENTRELINE OF CEILING TILE. MINIMUM 150mm (6") FROM EDGE.
 - FINAL NUMBER AND LOCATION OF SPRINKLER HEADS TO BE DETERMINED BY CONTRACTOR'S HYDRAULIC CALCULATIONS AND APPROVED DRAWINGS.
 - SPRINKLER PIPING TO BE CO-ORDINATED WITH OTHER SERVICES PRIOR TO INSTALLATION
 - SPRINKLER CONTRACTOR TO VISIT SITE AND EVALUATE EXISTING CONDITIONS PRIOR TO TENDER CLOSING. INCLUDE ALL MODIFICATIONS IN TENDER PRICE.
 - EXISTING SPRINKLER SYSTEM TO BE RENOVATED/MODIFIED TO SUIT NEW LAYOUT. CONTRACTOR IS RESPONSIBLE TO SURVEY EXISTING SYSTEMS FOR CREATION OF SHOP DWGS.
 - PROVIDE SPRINKLER HEADS UNDER ALL DUCTWORK AND EQUIPMENT OVER 1200mm WIDE.
 - COMMISSIONING OF INTEGRATED TESTING OF FIRE PROTECTION AND LIFE SAFETY SYSTEM.
 - SPRINKLER CONTRACTOR TO PROVIDE SERVICES WITH THE FIRE COMMISSIONING AGENT (FCA) TO MEET THEIR REQUIREMENTS OF ADMINISTRATION, VERIFICATION, AND FINAL SIGNOFF TO THE LOCAL AUTHORITIES AND CONSULTANT. THE FCA IS BEING RETAINED BY THE ELECTRICAL CONTRACTOR, HOWEVER, THIS CONTRACTOR'S WORK TO SATISFY THE FCA REQUIREMENTS SHALL BE INCLUDED IN THE TENDER PRICE.
 - CHECK/TEST: MOVEMENT OF ALL VALVES, CREATE WATER FLOW AT ALL DEVICES TO VERIFY DETECTION AT FIRE ALARM PANEL. OPERATION OF ALL PUMPS &/OR COMPRESSORS.
 - PERFORM ALL WORK IN ACCORDANCE WITH NFPA 3.
 - RETURN SPRINKLER SYSTEM TO NORMAL OPERATION ON COMPLETION OF TESTING





ISSUED FOR TENDER
2022-03-31

65 Northland Road,
Waterloo, ON, N2V 1Y8
Waterloo: 519-735-5555
Windsor: 519-253-8888
Project Number: 22073



650 Laurelwood Dr., Waterloo, ON

Project No.: 1036A

Drawn By: [Blank]

Revised: [Blank]

CLASSROOM RENOVATIONS

PART ROOF PLAN - RENOVATION

Sir John A Macdonald Secondary School

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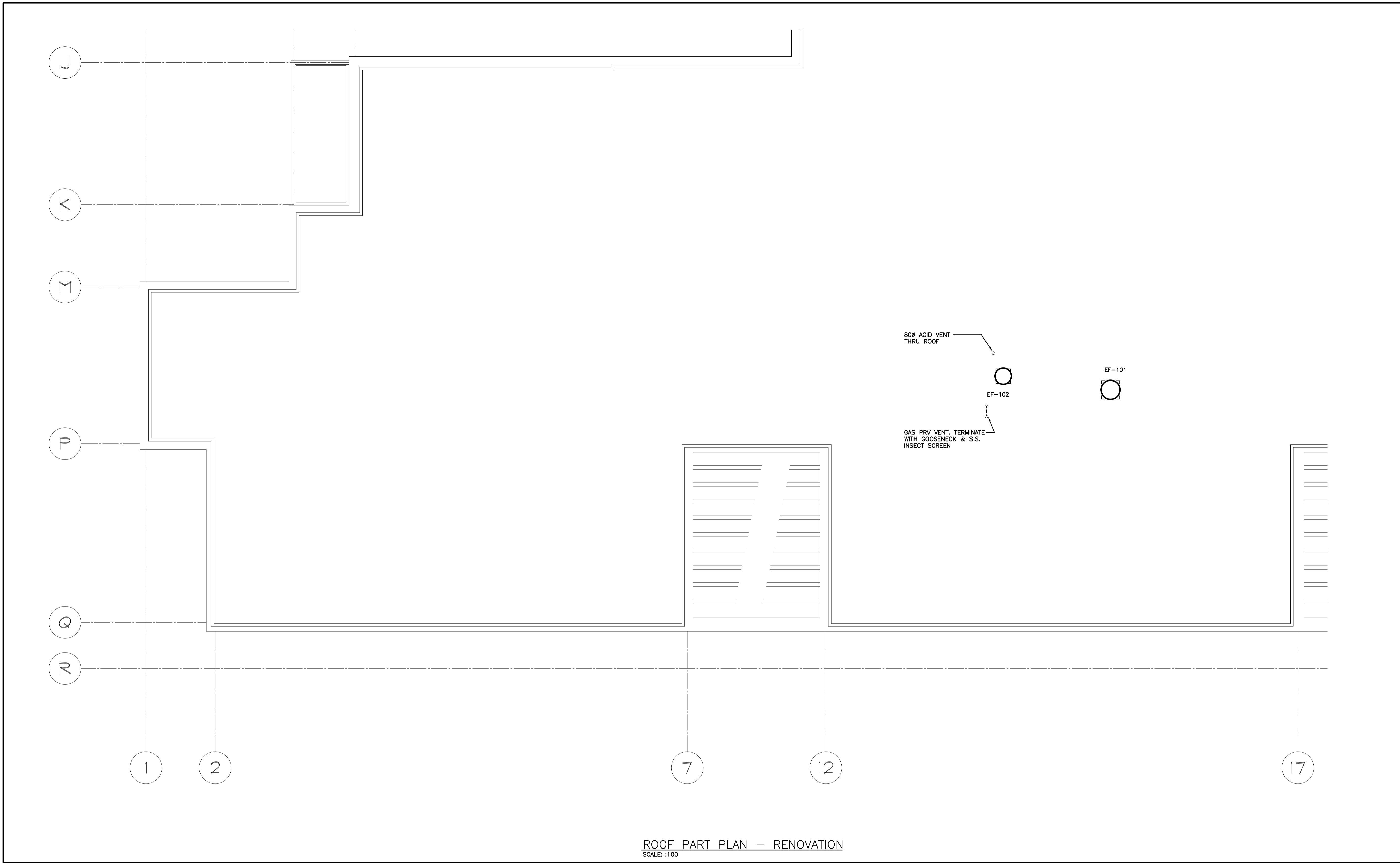
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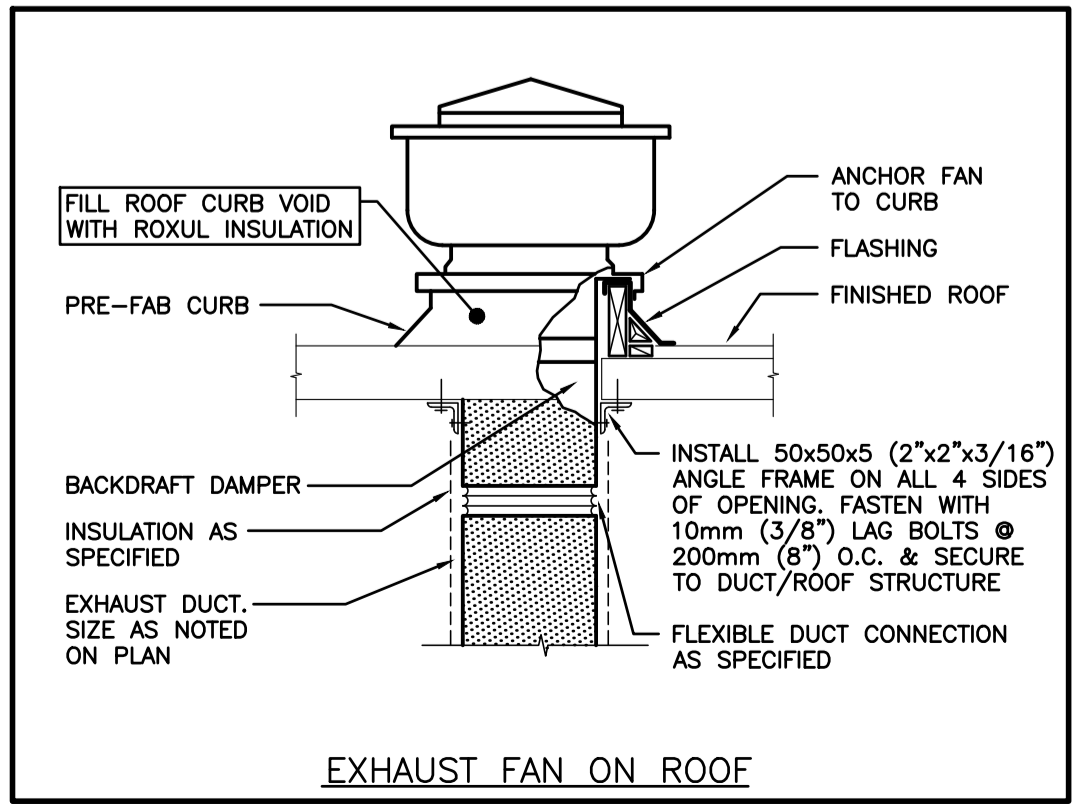
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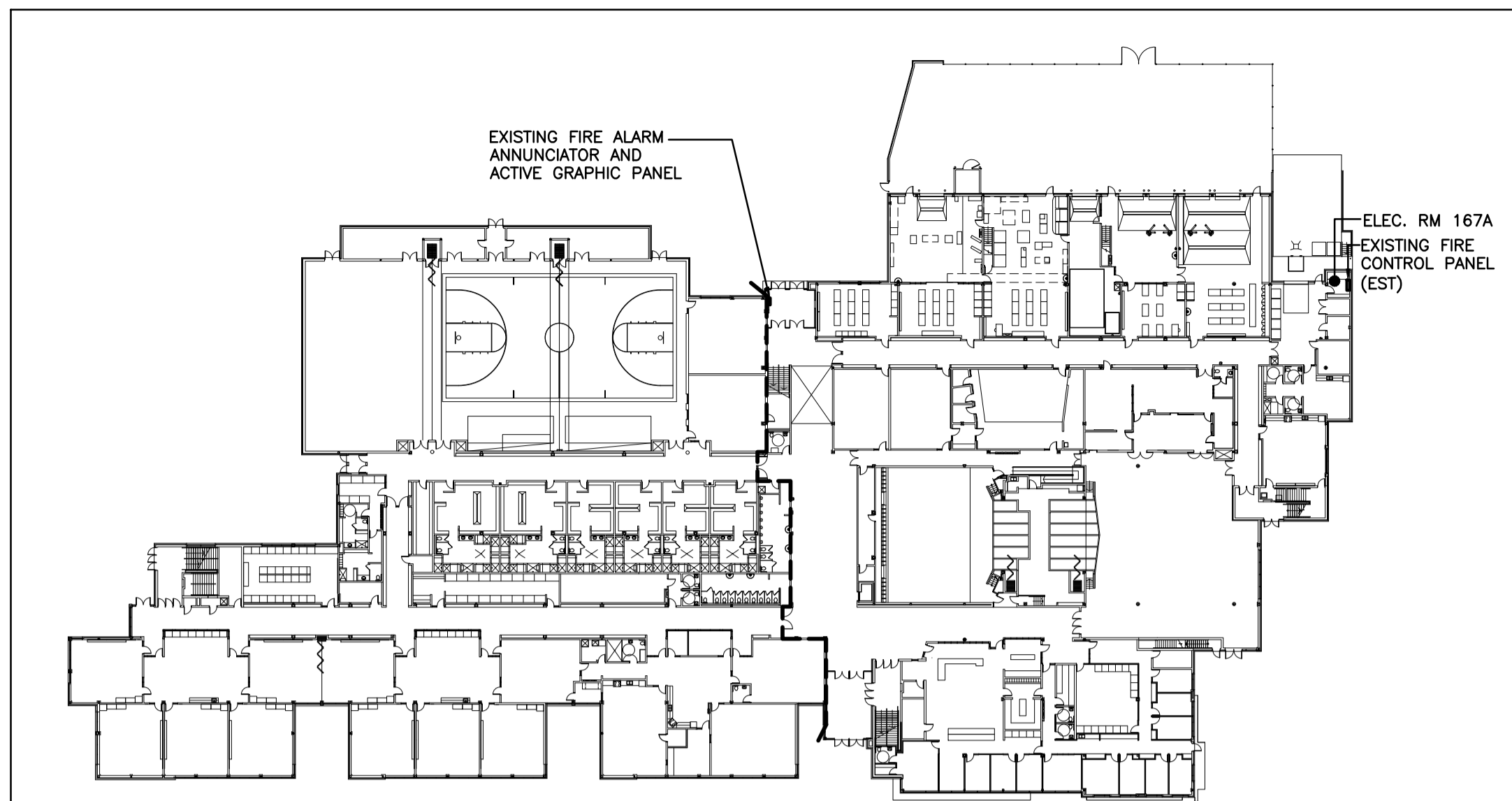
ROOF PART PLAN - RENOVATION

SCALE: 1:100

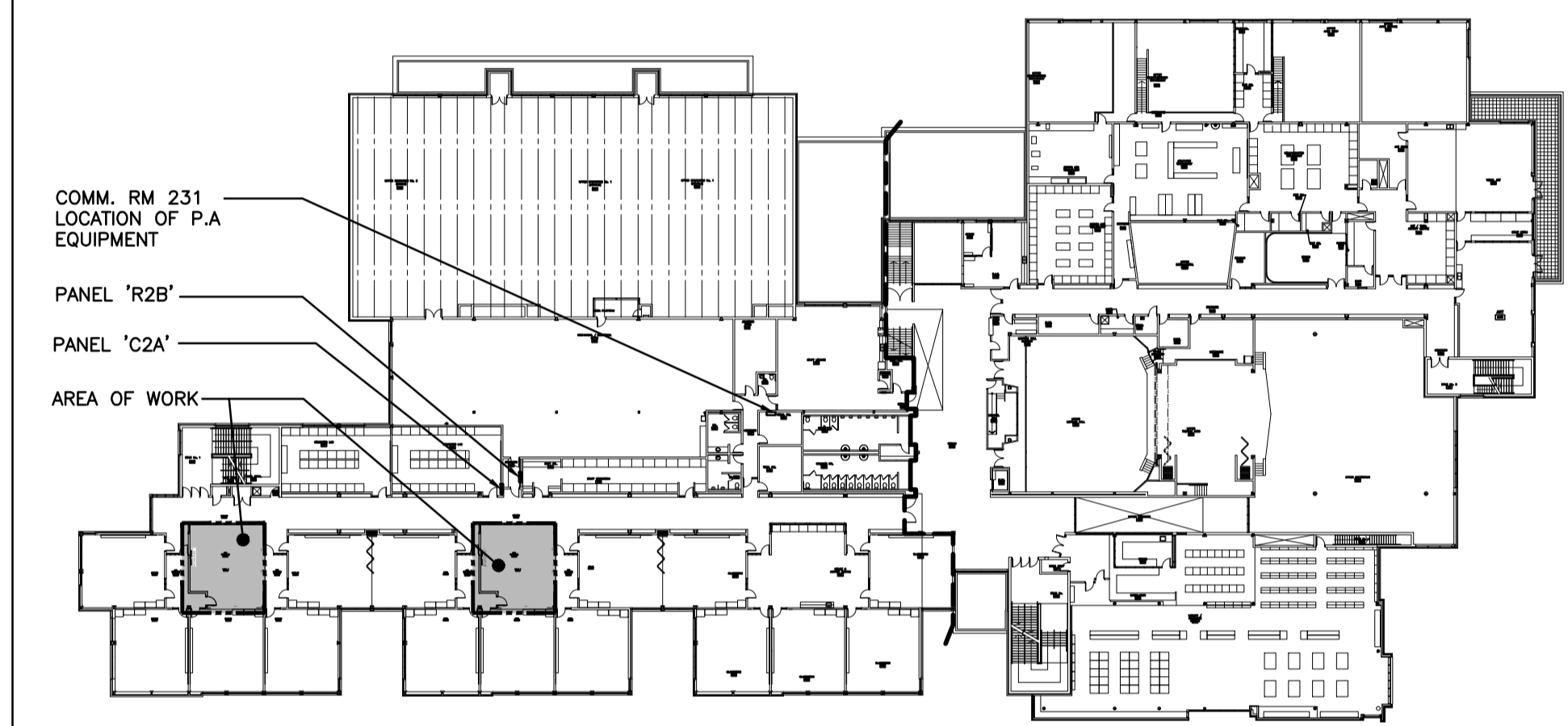


GENERAL NOTES

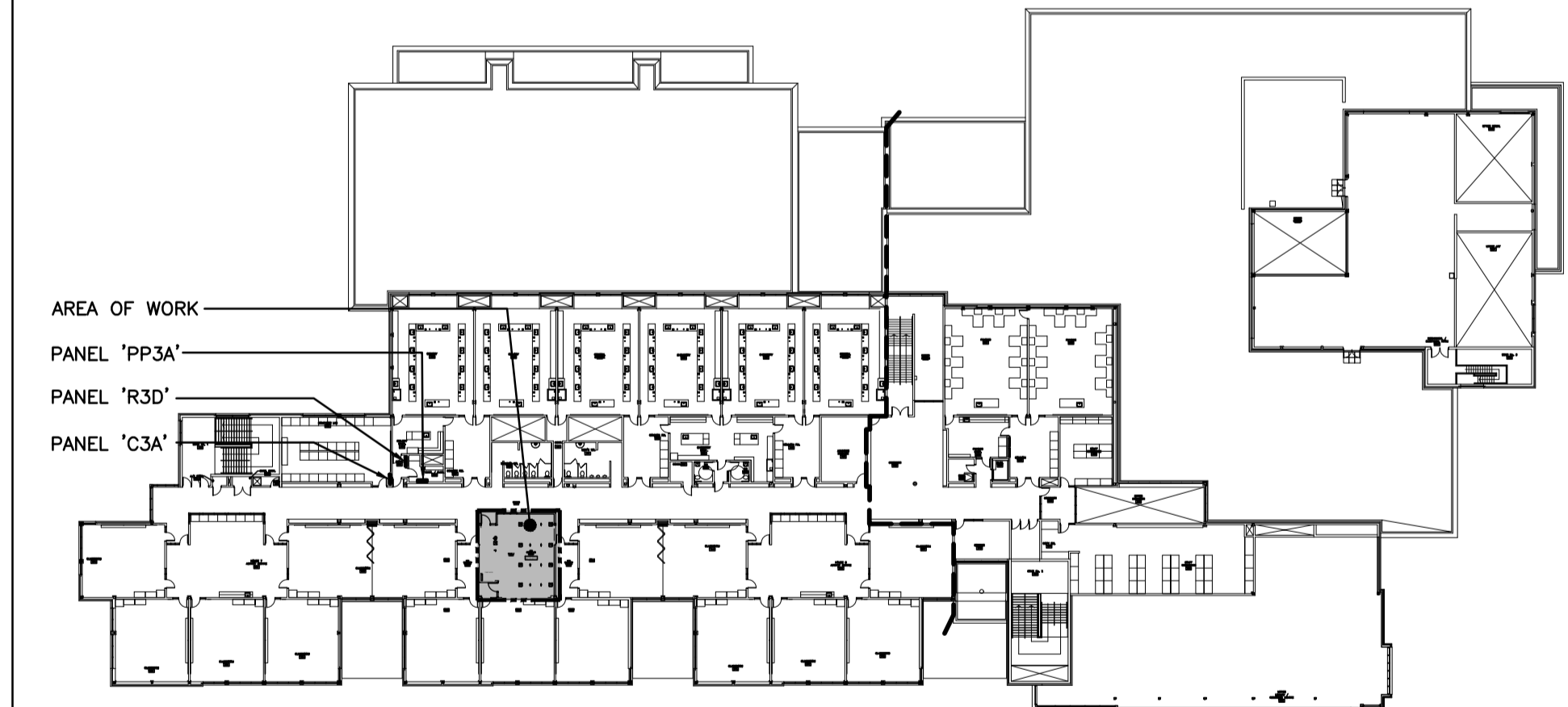
- MAINTAIN MINIMUM 3600mm (12'-0") LATERAL DISTANCE BETWEEN SANITARY VENTS AND ALL AIR INTAKE/EXHAUST OPENINGS.
- MAINTAIN MINIMUM 3000mm (10'-0") LATERAL DISTANCE BETWEEN PRV, FUEL FIRED APPLIANCE, AND/OR EXHAUST VENTS AND ALL AIR INTAKE/EXHAUST OPENINGS.
- ALL EQUIPMENT SHALL BE MINIMUM 3.0m FROM EDGE OF ROOF.



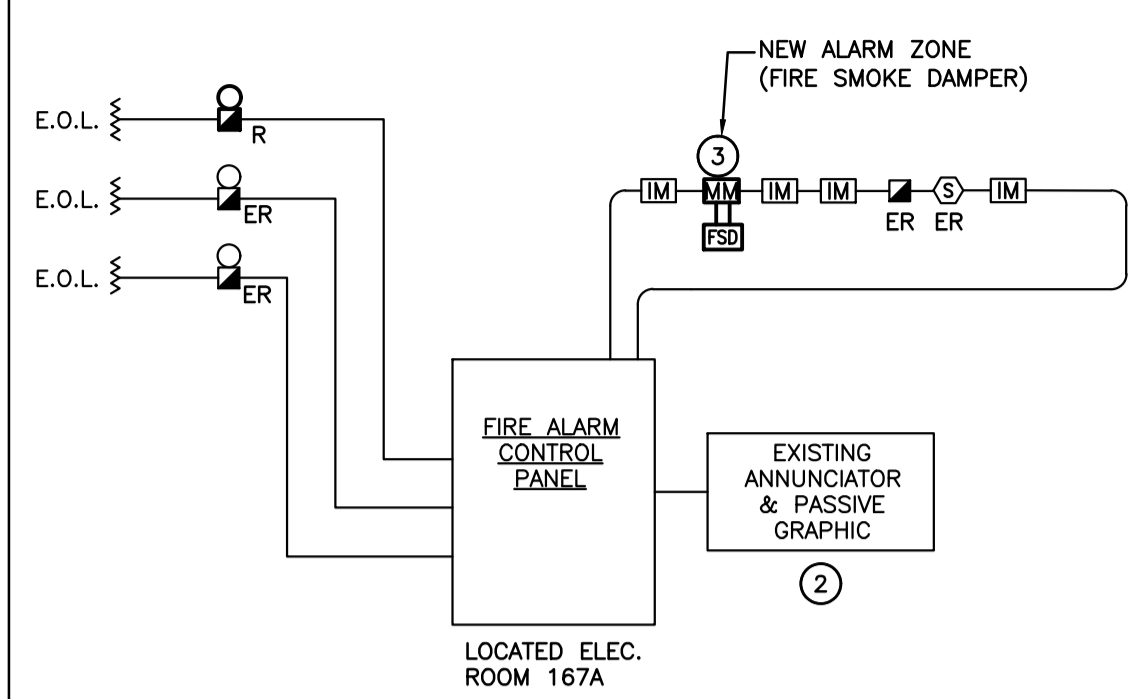
FIRST FLOOR KEYPLAN
SCALE: N.T.S.



SECOND FLOOR KEYPLAN
SCALE: N.T.S.



THIRD FLOOR KEYPLAN
SCALE: N.T.S.



A-PARTIAL FIRE ALARM RISER
SCALE: N.T.S.

ELECTRICAL DRAWING LIST

SHEET NUMBER	SHEET NAME
E1.01	LEGEND, KEY PLAN AND PARTIAL FIRE ALARM RISER
E1.02	DETAILS AND SCHEDULES
E1.03	PANEL SCHEDULES
E1.04	PANEL SCHEDULES
E2.01	DEMOLITION PLANS
E2.02	NEW CLASSROOM 2600 & 2700 RENOVATION PLANS
E2.03	NEW SCIENCE LAB 3600 RENOVATION PLANS

NOTES

- ELECTRICAL CONTRACTOR IS TO PROVIDE BOOSTER MODULE FOR NEW SIGNAL CIRCUIT AND EXISTING SIGNAL CIRCUIT TO SUPPORT ADDITIONAL SIGNAL DEVICES.
- INDICATES EXISTING PASSIVE GRAPHIC TO BE REVISED WITH NEW FIRE ALARM ZONE(S). PROVIDE ALTERNATIVE LAYOUT FOR EACH PASSIVE GRAPHIC ORIENTATION VIA SHOP DRAWING SUBMISSION. REVISE ORIENTATION AND "YOU ARE HERE" LOCATION TO SUIT.
- INDICATES 120V POWER AND FIRE ALARM CONNECTIONS TO SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR. REFER TO FIRE ALARM SPECIFICATIONS. COORDINATE EXACT LOCATION/CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. SMOKE/FIRE DAMPER AND ASSOCIATED INTEGRAL SMOKE DETECTOR TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE MONITORING MODULE(S) PER SMOKE/FIRE DAMPER TO 120V POWER SUPPLY CONNECTION TO THE DAMPER ACTUATOR, AND INTEGRAL SMOKE DETECTOR ALARM AS SIGNAL. A TROUBLE CONDITION SHALL BE ACTIVATED DUE TO THE LOSS OF AC POWER AT THE MAIN CONTROL PANEL, CONSISTING OF AUDIBLE AND VISUAL TROUBLE SIGNAL UNTIL ACKNOWLEDGED BY OPERATOR.

ELECTRICAL SYMBOLS

LIGHTING	
	LIGHT FIXTURE TYPE AS INDICATED
	CEILING OR WALL MOUNTED LIGHT FIXTURE TYPE AS INDICATED
	SINGLE OR TWIN EMERGENCY LIGHTING FIXTURE
	SINGLE POLE SWITCH (3=3 WAY, 4=4 WAY, P=PILOT LIGHT, K=KEYED, DM=DIMMER, M=MOTOR RATED)
	DIGITAL CEILING MOUNTED MOTION SENSOR
	POWER PACK
POWER	
	WALL MOUNTED RECEPTACLE (15A-120V)
	WALL MOUNTED T-SLOT RECEPTACLE (20A-120V)
	T-SLOT RECEPTACLE MTD. ABOVE COUNTER (20A-120V)
	DIRECT CONNECTION
	JUNCTION BOX
	PANEL AS INDICATED
	CLOCK AS PER SPECIFICATION
	PUSH-BUTTON STATION
	SOLENOID VALVE
FIRE ALARM	
	SMOKE DETECTOR (RL=RELAY BASE)
	FIRE SMOKE DAMPER
	ALARM BELL (A, B = SIGNAL CIRCUIT)
COMMUNICATIONS	
	SINGLE COMPUTER OUTLET UNLESS OTHERWISE NOTED C/W 1" (27mm) C TO HANGER SYSTEM IN NEAREST CORRIDOR CEILING SPACE. # INDICATES THE QUANTITY OF ACTIVE PORTS BEYOND ONE TO BE PROVIDED. 'R' INDICATES ROUGHED IN OUTLET C/W BLANK FACE PLATE BY THE ONSITE ELECTRICAL CONTRACTOR.
	WALL MOUNTED SPEAKER
	CEILING MOUNTED SPEAKER
GENERAL	
ER	INDICATED EXISTING ITEM TO REMAIN
D	INDICATES EXISTING ITEM TO BE DELETED
R	INDICATES EXISTING ITEM TO BE RELOCATED/IN RELOCATED POSITION
GF	GROUND FAULT
CLG	CEILING MOUNTED
	NOTE INDICATOR
	MECHANICAL ITEM NO.
STANDARD CIRCUITING LABELING	
	POWER PANEL LABEL
	CIRCUIT INDICATION
	SWITCH LEG (IF APPLICABLE)



ISSUED FOR TENDER
2022-03-31



Sir John A Macdonald Secondary School
CLASSROOM RENOVATIONS
650 Laurelwood Dr. Waterloo, ON

Project No.: 1036A
Drawn By: [Blank]
Reviewed: [Blank]

LEGEND, KEY PLAN AND PARTIAL FIRE ALARM RISER

EXISTING PANEL 'R2B' SCHEDULE

VOLTAGE: 120/208 VOLTS
 PHASE: 3P, 4W
 MAINS: 225A
 NEUTRAL BUS: FULL
 MOUNTING: RECESSED
 NOTES: SPRINKLER HOOD

ER	CORRIDOR PLUGS	15A	1	2	15A	SPARE
ER	CORRIDOR PLUGS	15A	3	4	15A	CLASSRM 2502/2501 PLUGS
ER	CORRIDOR PLUGS	15A	5	6	15A	HOUSE #6 CLASSRM 2501 PLUG
ER	SPARE	15A	7	8	15A	CLASSRM 2503/2502 PLUGS
ER	HOUSE #5 CLASSRM 2602 PLUG	15A	9	10	15A	HOUSE #6 CLASSRM 2505 PLUG
ER	CLASSROOM 2604/2603 PLUG	15A	11	12	15A	CLASSRM 2504/2503 PLUGS
ER	HOUSE #5 CLASSRM 2605 PLUG	15A	13	14	15A	CLASSRM 2504/2503 PLUGS
ER	HOUSE #4 CLASSRM 2701 PLUG	15A	15	16	15A	CLASSRM 2601/2505 PLUGS
ER	CLASSROOM 2703/2702 PLUG	15A	17	18	15A	HOUSE #5 CLASSRM 2602/2601 PLUG
ER	HOUSE #4 CLASSRM 2703/2702 PLUG	15A	19	20	15A	CLASSRM 2603/2602 PLUG
ER	HOUSE #4 CLASSRM 2703/2702 PLUG	15A	21	22	15A	HOUSE #4 CLASSRM 2705/2703 PLUG
ER	COMPUTER LAB'S 2707/2706 PLUGS	15A	23	24	15A	CLASSRM 2704/2703 PLUG
ER	FAN POWERED MIXING BOX	15A	25	26	15A	CLASSRM 2705/2704 PLUG
ER	FAN POWERED MIXING BOX	15A	27	28	15A	FAN POWERED MIXING BOX
ER	CORRIDOR HOUSE UP LIGHTS	15A	29	30	15A	FAN POWERED MIXING BOX
ER	SPARE	15A	31	32	15A	FAN POWERED MIXING BOX
ER	SPARE	15A	33	34	15A	SPARE
			35	36		
			37	38		
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			83	84		

PROPOSED PANEL 'R2B' SCHEDULE

AT THE COMPLETION OF THE PROJECT, PROVIDE A NEW TYPEWRITTEN PANEL DIRECTORY AND INCLUDE A COPY IN THE MAINTENANCE MANUALS

ER	CORRIDOR PLUGS	15A	1	2	15A	SPARE
ER	CORRIDOR PLUGS	15A	3	4	15A	CLASSRM 2502/2501 PLUGS
ER	CORRIDOR PLUGS	15A	5	6	15A	HOUSE #6 CLASSRM 2501 PLUG
ER	SPARE	15A	7	8	15A	CLASSRM 2503/2502 PLUGS
ER	HOUSE #5 CLASSRM 2602 PLUG	15A	9	10	15A	HOUSE #6 CLASSRM 2505 PLUG
ER	CLASSROOM 2604/2603 PLUG	15A	11	12	15A	CLASSRM 2504/2503 PLUGS
ER	CLASSROOM 2604/2603 PLUG	15A	13	14	15A	CLASSRM 2504/2503 PLUGS
ER	HOUSE #5 CLASSRM 2605 PLUG	15A	15	16	15A	CLASSRM 2601/2505 PLUGS
ER	HOUSE #4 CLASSRM 2701 PLUG	15A	17	18	15A	HOUSE #5 CLASSRM 2602/2601 PLUG
ER	CLASSROOM 2703/2702 PLUG	15A	19	20	15A	CLASSRM 2603/2602 PLUG
ER	HOUSE #4 CLASSRM 2703/2702 PLUG	15A	21	22	15A	HOUSE #4 CLASSRM 2705/2703 PLUG
ER	COMPUTER LAB'S 2707/2706 PLUGS	15A	23	24	15A	CLASSRM 2704/2703 PLUG
ER	FAN POWERED MIXING BOX	15A	25	26	15A	CLASSRM 2705/2704 PLUG
ER	FAN POWERED MIXING BOX	15A	27	28	15A	FAN POWERED MIXING BOX
ER	CORRIDOR HOUSE UP LIGHTS	15A	29	30	15A	FAN POWERED MIXING BOX
ER	HOUSE #5 2600 REC	15A	31	32	15A	FAN POWERED MIXING BOX
RW	NEW CLASSRM VEST. 2600A/B REC.	20A	33	34	15A	HOUSE #4 2700 REC
			35	36	20A	NEW CLASSRM VEST. 2700A/B REC.
			37	38		
			39	40		
			41	42		

			43	44		
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			81	82		
			83	84		

DESIGNATION

'ER' INDICATES EXISTING SERVICE AND BREAKER THAT SHOULD REMAIN UNTOUCHED
 'SP' INDICATES EXISTING BREAKER THAT MAY BECOME SPARE DUE TO DEMOLITION. (CONFIRM ON SITE)
 'RW' INDICATES EXISTING BREAKER THAT SHOULD BE REWIRED TO SERVICE DEVICES INDICATED ON PLAN
 'SB' INDICATES SPARE BREAKER TO BE USED FOR NEW SERVICE INDICATED.
 'NB' INDICATES NEW BREAKER AND WIRING TO SERVICE INDICATED. PROVIDE MOUNTING HARDWARE AS REQUIRED.
 'D' INDICATES EXISTING BREAKER TO BE REMOVED COMPLETE. PROVIDE FILLER PLATES AS REQUIRED.

NOTES:

THIS CONTRACTOR IS TO INVESTIGATE BREAKERS AND REVISE PANEL SCHEDULES TO SUIT RENOVATION, NOTING ANY BREAKERS THAT BECOME SPARE DUE TO DEMOLITION. THIS CONTRACTOR IS ALSO TO NOTIFY THE CONSULTANT OF ANY BREAKERS THAT ARE INDICATED TO BE DEMOLISHED OR REUSED, BUT WHICH ARE IN USE BY OTHER DEVICES OR SERVICES.

EXISTING PANEL 'C2A' SCHEDULE

VOLTAGE: 120/208 VOLTS
 PHASE: 3P, 4W
 MAINS: 225A
 NEUTRAL BUS:
 MOUNTING: SURFACE
 NOTES: EXISTING

ER	COMPUTER LAB 2707 NORTH PLUGS	15A	1	2	15A	COMPUTER LAB 2707 NORTH PLUGS
ER	COMPUTER LAB 2707 NORTH PLUGS	15A	3	4	15A	COMPUTER LAB 2707 NORTH PLUGS
ER	COMPUTER LAB 2707 WEST PLUGS	15A	5	6	15A	COMPUTER LAB 2707 ISLAND PLUGS
ER	COMPUTER LAB 2707 ISLAND PLUGS	15A	7	8	15A	COMPUTER LAB 2707 ISLAND PLUGS
ER	COMPUTER LAB 2707 ISLAND PLUGS	15A	9	10	15A	COMPUTER LAB 2707 SOUTH PLUGS
ER	COMPUTER LAB 2707 SOUTH PLUGS	15A	11	12	15A	COMPUTER LAB 2707 SOUTH PLUGS
ER	COMPUTER LAB 2706 NORTH PLUGS	15A	13	14	15A	COMPUTER LAB 2706 NORTH PLUGS
ER	COMPUTER LAB 2706 NORTH PLUGS	15A	15	16	15A	COMPUTER LAB 2706 NORTH PLUGS
ER	COMPUTER LAB 2706 WEST PLUGS	15A	17	18	15A	COMPUTER LAB 2706 ISLAND PLUGS
ER	COMPUTER LAB 2706 ISLAND PLUGS	15A	19	20	15A	COMPUTER LAB 2706 ISLAND PLUGS
ER	COMPUTER LAB 2706 ISLAND PLUGS	15A	21	22	15A	COMPUTER LAB 2706 SOUTH PLUGS
ER	COMPUTER LAB 2706 SOUTH PLUGS	15A	23	24	15A	COMPUTER LAB 2706 SOUTH PLUGS
ER	HOUSE #6 RACEWAY PLUGS	15A	25	26	15A	HOUSE #5 RACEWAY PLUGS
ER	HOUSE #6 RACEWAY PLUGS	15A	27	28	15A	HOUSE #5 RACEWAY PLUGS
ER	HOUSE #6 RACEWAY PLUGS	15A	29	30	15A	HOUSE #5 RACEWAY PLUGS
ER	CLASSRM 2503/2502/2501 COMPUTER PLUGS	15A	31	32	15A	CLASSRM 2703/2702/2701 COMPUTER PLUGS
ER	CLASSRM 2504/2503 COMPUTER PLUGS	15A	33	34	15A	CLASSRM 2705/2704 COMPUTER PLUGS
ER	CLASSRM 2603/2602/2601 COMPUTER PLUGS	15A	35	36	15A	HOUSE #4 RACEWAY PLUGS
ER	CLASSRM 2605/2604 COMPUTER PLUGS	15A	37	38	15A	HOUSE #4 RACEWAY PLUGS
ER	HOUSE #4 COUNTER PLUGS	15A	39	40	15A	HOUSE #4 RACEWAY PLUGS
ER	HOUSE #5 COUNTER PLUGS	15A	41	42	15A	HOUSE #6 COUNTER PLUG
ER	STAFF WORKROOM RACEWAY PLUGS	15A	43	44	15A	STAFF LOUNGE COMPUTER PLUG
ER	STAFF WORKROOM RACEWAY PLUGS	15A	45	46	15A	TECH RN 2203 RACE PLUGS
ER	STAFF WORKROOM RACEWAY PLUGS	15A	47	48	15A	TECH RN 2203 RACE PLUGS
ER	STAFF WORKROOM RACEWAY PLUGS	15A	49	50	15A	TECH RN 2203 RACE PLUGS
ER	STAFF WORKROOM RACEWAY PLUGS	15A	51	52	15A	TECH RN 2203 RACE PLUGS
ER	STAFF WORKROOM RACEWAY PLUGS	15A	53	54	15A	TECH RN 2203 RACE PLUGS
ER	STAFF WORKROOM RACEWAY PLUGS	15A	55	56	15A	TECH RN 2203 RACE PLUGS
ER	SPARE	15A	57	58	15A	SPARE
ER	SPARE	15A	59	60	15A	SPARE
ER	X	15A	61	62	15A	X
ER	X	15A	63	64	15A	X
ER	X	15A	65	66	15A	X
ER	X	15A	67	68	15A	X
ER	X	15A	69	70	15A	X
ER	X	15A	71	72	15A	X

PROPOSED PANEL 'C2A' SCHEDULE

AT THE COMPLETION OF THE PROJECT, PROVIDE A NEW TYPE WRITTEN PANEL DIRECTORY AND INCLUDE A COPY IN THE MAINTENANCE MANUALS

ER	COMPUTER LAB 2707 NORTH PLUGS	15A	1	2	15A	COMPUTER LAB 2707 NORTH PLUGS
ER	COMPUTER LAB 2707 NORTH PLUGS	15A	3	4	15A	COMPUTER LAB 2707 NORTH PLUGS
ER	COMPUTER LAB 2707 WEST PLUGS	15A	5	6	15A	COMPUTER LAB 2707 ISLAND PLUGS
ER	COMPUTER LAB 2707 ISLAND PLUGS	15A	7	8	15A	COMPUTER LAB 2707 ISLAND PLUGS
ER	COMPUTER LAB 2707 ISLAND PLUGS	15A	9	10	15A	COMPUTER LAB 2707 SOUTH PLUGS
ER	COMPUTER LAB 2707 SOUTH PLUGS	15A	11	12	15A	COMPUTER LAB 2707 SOUTH PLUGS
ER	COMPUTER LAB 2706 NORTH PLUGS	15A	13	14	15A	COMPUTER LAB 2706 NORTH PLUGS
ER	COMPUTER LAB 2706 NORTH PLUGS	15A	15	16	15A	COMPUTER LAB 2706 NORTH PLUGS
ER	COMPUTER LAB 2706 WEST PLUGS	15A	17	18	15A	COMPUTER LAB 2706 ISLAND PLUGS
ER	COMPUTER LAB 2706 ISLAND PLUGS	15A	19	20	15A	COMPUTER LAB 2706 ISLAND PLUGS
ER	COMPUTER LAB 2706 ISLAND PLUGS	15A	21	22	15A	COMPUTER LAB 2706 SOUTH PLUGS
ER	COMPUTER LAB 2706 SOUTH PLUGS	15A	23	24	15A	COMPUTER LAB 2706 SOUTH PLUGS
ER	HOUSE #6 RACEWAY PLUGS	15A	25	26	15A	SPARE
ER	HOUSE #6 RACEWAY PLUGS	15A	27	28	15A	SPARE
ER	HOUSE #6 RACEWAY PLUGS	15A	29	30	15A	SPARE
ER	CLASSRM 2503/2502/2501 COMPUTER PLUGS	15A	31	32	15A	CLASSRM 2703/2702/2701 COMPUTER PLUGS
ER	CLASSRM 2504/2503 COMPUTER PLUGS	15A	33	34	15A	CLASSRM 2705/2704 COMPUTER PLUGS
ER	CLASSRM 2603/2602/2601 COMPUTER PLUGS	15A	35	36	15A	SPARE
ER	CLASSRM 2605/2604 COMPUTER PLUGS	15A	37	38	15A	SPARE
ER	HOUSE #4 COUNTER PLUGS	15A	39	40	15A	SPARE
ER	HOUSE #5 COUNTER PLUGS	15A	41	42	15A	HOUSE #6 COUNTER PLUG
ER	STAFF WORKROOM RACEWAY PLUGS	15A	43	44	15A	STAFF LOUNGE COMPUTER PLUG
ER	STAFF WORKROOM RACEWAY PLUGS	15A	45	46	15A	TECH RN 2203 RACE PLUGS
ER	STAFF WORKROOM RACEWAY PLUGS	15A	47	48	15A	TECH RN 2203 RACE PLUGS
ER	STAFF WORKROOM RACEWAY PLUGS	15A	49	50	15A	TECH RN 2203 RACE PLUGS
ER	STAFF WORKROOM RACEWAY PLUGS	15A	51	52	15A	TECH RN 2203 RACE PLUGS
ER	STAFF WORKROOM RACEWAY PLUGS	15A	53	54	15A	TECH RN 2203 RACE PLUGS
ER	STAFF WORKROOM RACEWAY PLUGS	15A	55	56	15A	TECH RN 2203 RACE PLUGS
ER	SPARE	15A	57	58	15A	SPARE
ER	SPARE	15A	59	60	15A	SPARE
ER	X	15A	61	62	15A	X
ER	X	15A	63	64	15A	X
ER	X	15A	65	66	15A	X
ER	X	15A	67	68	15A	X
ER	X	15A	69	70	15A	X
ER	X	15A	71	72	15A	X

DESIGNATION

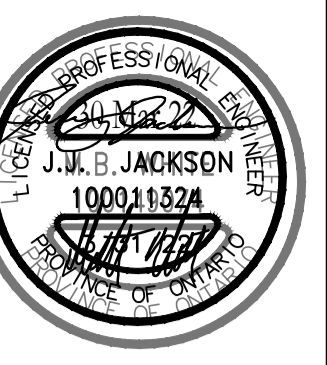
'ER' INDICATES EXISTING SERVICE AND BREAKER THAT SHOULD REMAIN UNTOUCHED
 'SP' INDICATES EXISTING BREAKER THAT MAY BECOME SPARE DUE TO DEMOLITION. (CONFIRM ON SITE)
 'RW' INDICATES EXISTING BREAKER THAT SHOULD BE REWIRED TO SERVICE DEVICES INDICATED ON PLAN
 'SB' INDICATES SPARE BREAKER TO BE USED FOR NEW SERVICE INDICATED.
 'NB' INDICATES NEW BREAKER AND WIRING TO SERVICE INDICATED. PROVIDE MOUNTING HARDWARE AS REQUIRED.
 'D' INDICATES EXISTING BREAKER TO BE REMOVED COMPLETE. PROVIDE FILLER PLATES AS REQUIRED.

NOTES: THIS CONTRACTOR IS TO INVESTIGATE BREAKERS AND REVISE PANEL SCHEDULES TO SUIT RENOVATION, NOTING ANY BREAKERS THAT BECOME SPARE DUE TO DEMOLITION. THIS CONTRACTOR IS ALSO TO NOTIFY THE CONSULTANT OF ANY BREAKERS THAT ARE INDICATED TO BE DEMOLISHED OR REUSED, BUT WHICH ARE IN USE BY OTHER DEVICES OR SERVICES.

EXISTING PANEL 'C3A' SCHEDULE

VOLTAGE: 120/208 VOLTS
 PHASE: 3P, 4W
 MAINS: 225A
 NEUTRAL BUS:
 MOUNTING: SURFACE
 NOTES: EXISTING FPE PANELBOARD

ER	SPARE	15A	1	2	15A	COMPUTER LAB 3706 PROJECTER
ER	COMPUTER LAB 3705	20A	3	4	20A	COMPUTER LAB 3706 NORTH RACEWAY PLUGS
ER	SPARE	15A	5	6	20A	X
ER	SPARE	15A	7	8	20A	X
ER	X	15A	9	10	20A	COMPUTER LAB 3706 SOUTH RACEWAY PLUGS
ER	COMP. LAB 3706 WALL REC	15A	11	12	15A	COMPUTER LAB 3706 WALL REC
ER	COMP. LAB 3706 SOUTH RACEWAY PLUGS	15A	13	14	15A	CLASSRM 3603/3602/3601/PLUGS
ER	HOUSE #9 RACEWAY PLUGS	15A	15	16	20A	HOUSE #8 COUNTER PLUG
ER	HOUSE #9 RACEWAY PLUGS	15A	17	18	15A	CLASSRM 3605/3604 PLUGS
ER	HOUSE #9 RACEWAY PLUGS	15A	19	20	15A	HOUSE #8 RACEWAY PLUG
ER	CLASSRM 3503/3502/3501 PLUGS	15A	21	22	15A	HOUSE #8 RACEWAY PLUG
ER	HOUSE #9 COUNTER PLUG	15A	23	24	15A	HOUSE #8 RACEWAY PLUG
ER	CLASSRM 3505/3054 PLUGS	15A	25	26	15A	HOUSE #8 RACEWAY PLUG
ER	CLASSRM 3703/3702/3701 PLUGS	15A	27	28	15A	HOUSE #8 RACEWAY PLUG
ER	HOUSE #7 COUNTER PLUG	15A	29	30	15A	HOUSE #8 RACEWAY PLUG
ER	COMMON RM 3440 RACEWAY PLUGS	15A	31	32	20A	BIOLOGY 3442/3441 DESK PLUGS
ER	COMMON RM 3430 RACEWAY PLUGS	15A	33	34	20A	



2022-03-31 ISSUED FOR TENDER



Sir John A Macdonald Secondary School
CLASSROOM RENOVATIONS
PANEL SCHEDULES
650 Laurierwood Dr. Waterloo, ON
Project No.: 1036A
Drawn By:
Reviewed:

E1.04

EXISTING PANEL 'R3D' SCHEDULE

VOLTAGE: XXX/XXX VOLTS
PHASE: 3P, 4W
MAINS: XXXA
NEUTRAL BUS:
MOUNTING: SURFACE
NOTES: EXISTING

ER	CLASSROOM 316/317 REC.	15A	1	2	15A	CLASSROOM 306/310/311 REC.	ER
ER	CLASSROOM 315/316 REC.	15A	3	4	15A	CLASSROOM 309/310 REC.	ER
ER	CLASSROOM 312/317 REC.	15A	5	6	15A	CLASSROOM 306/307 REC.	ER
ER	CLASSROOM 314/315/316 REC.	15A	7	8	15A	CLASSROOM 308/309 REC.	ER
ER	CLASSROOM 312/313/314/315 REC.	15A	9	10	15A	CLASSROOM 308/309 REC.	ER
ER	CLASSROOM 313/314 REC.	15A	11	12	15A	CLASSROOM 305/307 REC.	ER
ER	CLASSROOM 311/313 REC.	15A	13	14	15A	CLASSROOM 300/305 REC.	ER
ER	CLASSROOM 307 REC.	15A	15	16	15A	CLASSROOM 303/304 REC.	ER
ER	CORRIDOR 319 T-SLOT REC.	20A	17	18	15A	CLASSROOM 302/303/304 REC.	ER
ER	CORRIDOR 319 T-SLOT REC.	20A	19	20	15A	CLASSROOM 302/303 REC.	ER
ER	CORRIDOR 319 T-SLOT REC.	20A	21	22	15A	CLASSROOM 300/301/302/303 REC.	ER
ER	EXHAUST FAN EF-36	15A	23	24	15A	ROOM 319/322/324 REC.	ER
ER	FAN POWERED MIXING BOX	15A	25	26	15A	EXHAUST FAN EF-6	ER
ER	HOUSE #7 FAN POWERED MIXING BOX	15A	27	28	15A	EXHAUST FAN EF-7	ER
ER	HOUSE #8 FAN POWERED MIXING BOX	15A	29	30	15A	HOUSE #9 FAN POWERED MIXING BOX	ER
ER	CORR. 319 FPMB	15A	31	32	15A	CORR. 319 WALL LTG. O/S HOUSES	ER
ER	SPARE	15A	33	34	15A	SPARE	ER
ER			35	36			ER
ER			37	38			ER
ER			39	40			ER
ER			41	42			ER
ER			43	44			ER
ER			45	46			ER
ER			47	48			ER
ER			49	50			ER
ER			51	52			ER
ER			53	54			ER
ER			55	56			ER
ER			57	58			ER
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ER			65	66			ER
ER			67	68			ER
ER			69	70			ER
ER			71	72			ER
ER			73	74			ER
ER			75	76			ER
ER			77	78			ER
ER			79	80			ER
ER			81	82			ER
ER			83	84			ER

PROPOSED PANEL 'R3D' SCHEDULE

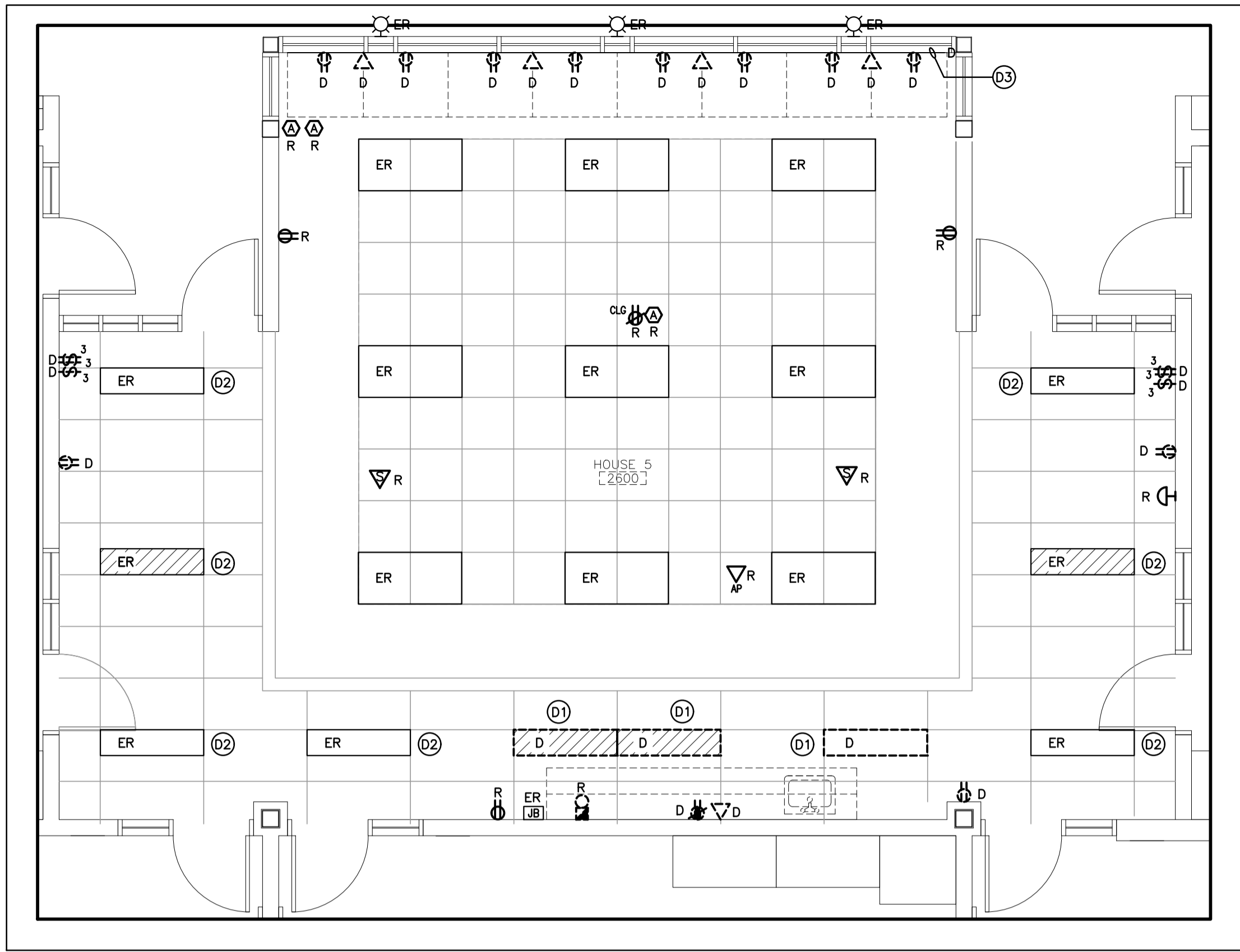
AT THE COMPLETION OF THE PROJECT, PROVIDE A NEW TYPE WRITTEN PANEL DIRECTORY AND INCLUDE A COPY IN THE MAINTENANCE MANUALS

ER	CLASSROOM 316/317 REC.	15A	1	2	15A	CLASSROOM 306/310/311 REC.	RW
ER	CLASSROOM 315/316 REC.	15A	3	4	15A	CLASSROOM 309/310 REC.	RW
ER	CLASSROOM 312/317 REC.	15A	5	6	15A	CLASSROOM 306/307 REC.	RW
ER	CLASSROOM 314/315/316 REC.	15A	7	8	15A	CLASSROOM 308/309 REC.	ER
ER	CLASSROOM 312/313/314/315 REC.	15A	9	10	15A	CLASSROOM 308/309 REC.	ER
ER	CLASSROOM 313/314 REC.	15A	11	12	15A	CLASSROOM 305/307 REC.	ER
ER	CLASSROOM 311/313 REC.	15A	13	14	15A	CLASSROOM 300/305 REC.	ER
ER	CLASSROOM 307 REC.	15A	15	16	15A	CLASSROOM 303/304 REC.	ER
ER	CORRIDOR 319 T-SLOT REC.	20A	17	18	15A	CLASSROOM 302/303/304 REC.	ER
ER	CORRIDOR 319 T-SLOT REC.	20A	19	20	15A	CLASSROOM 302/303 REC.	ER
ER	CORRIDOR 319 T-SLOT REC.	20A	21	22	15A	CLASSROOM 300/301/302/303 REC.	ER
ER	EXHAUST FAN EF-36	15A	23	24	15A	ROOM 319/322/324 REC.	ER
ER	FAN POWERED MIXING BOX	15A	25	26	15A	EXHAUST FAN EF-6	ER
ER	HOUSE #7 FAN POWERED MIXING BOX	15A	27	28	15A	EXHAUST FAN EF-7	ER
ER	HOUSE #8 FAN POWERED MIXING BOX	15A	29	30	15A	HOUSE #9 FAN POWERED MIXING BOX	ER
ER	CORR. 319 FPMB	15A	31	32	15A	CORR. 319 WALL LTG. O/S HOUSES	ER
ER	SPARE	15A	33	34	20A	NEW CLASSRM VEST. 3600A/B REC.	NB
ER			35	36			ER
ER			37	38			ER
ER			39	40			ER
ER			41	42			ER
ER			43	44			ER
ER			45	46			ER
ER			47	48			ER
ER			49	50			ER
ER			51	52			ER
ER			53	54			ER
ER			55	56			ER
ER			57	58			ER
ER			59	60			ER
ER			61	62			ER
ER			63	64			ER
ER			65	66			ER
ER			67	68			ER
ER			69	70			ER
ER			71	72			ER
ER			73	74			ER
ER			75	76			ER
ER			77	78			ER
ER			79	80			ER
ER			81	82			ER
ER			83	84			ER

DESIGNATION

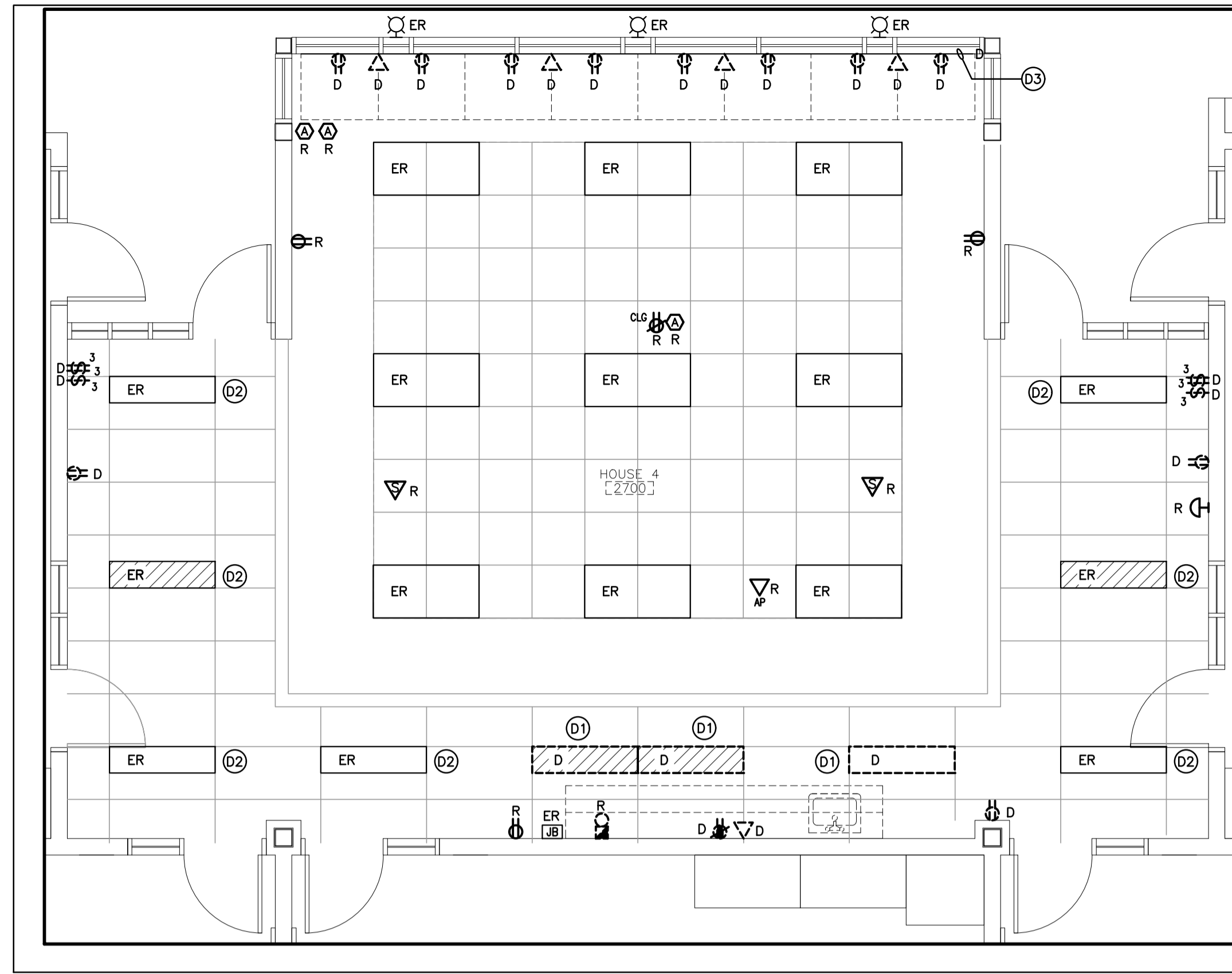
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'SP' INDICATES EXISTING BREAKER THAT MAY BECOME SPARE DUE TO DEMOLITION. (CONFIRM ON SITE)
'RW' INDICATES EXISTING BREAKER THAT SHOULD BE REWIRED TO SERVICE DEVICES INDICATED ON PLAN
'SB' INDICATES SPARE BREAKER TO BE USED FOR NEW SERVICE INDICATED.
'NB' INDICATES NEW BREAKER AND WIRING TO SERVICE INDICATED. PROVIDE MOUNTING HARDWARE AS REQUIRED.
'D' INDICATES EXISTING BREAKER TO BE REMOVED COMPLETE. PROVIDE FILLER PLATES AS REQUIRED.

NOTES: THIS CONTRACTOR IS TO INVESTIGATE BREAKERS AND REVISE PANEL SCHEDULES TO SUIT RENOVATION, NOTING ANY BREAKERS THAT BECOME SPARE DUE TO DEMOLITION. THIS CONTRACTOR IS ALSO TO NOTIFY THE CONSULTANT OF ANY BREAKERS THAT ARE INDICATED TO BE DEMOLISHED OR REUSED, BUT WHICH ARE IN USE BY OTHER DEVICES OR SERVICES.



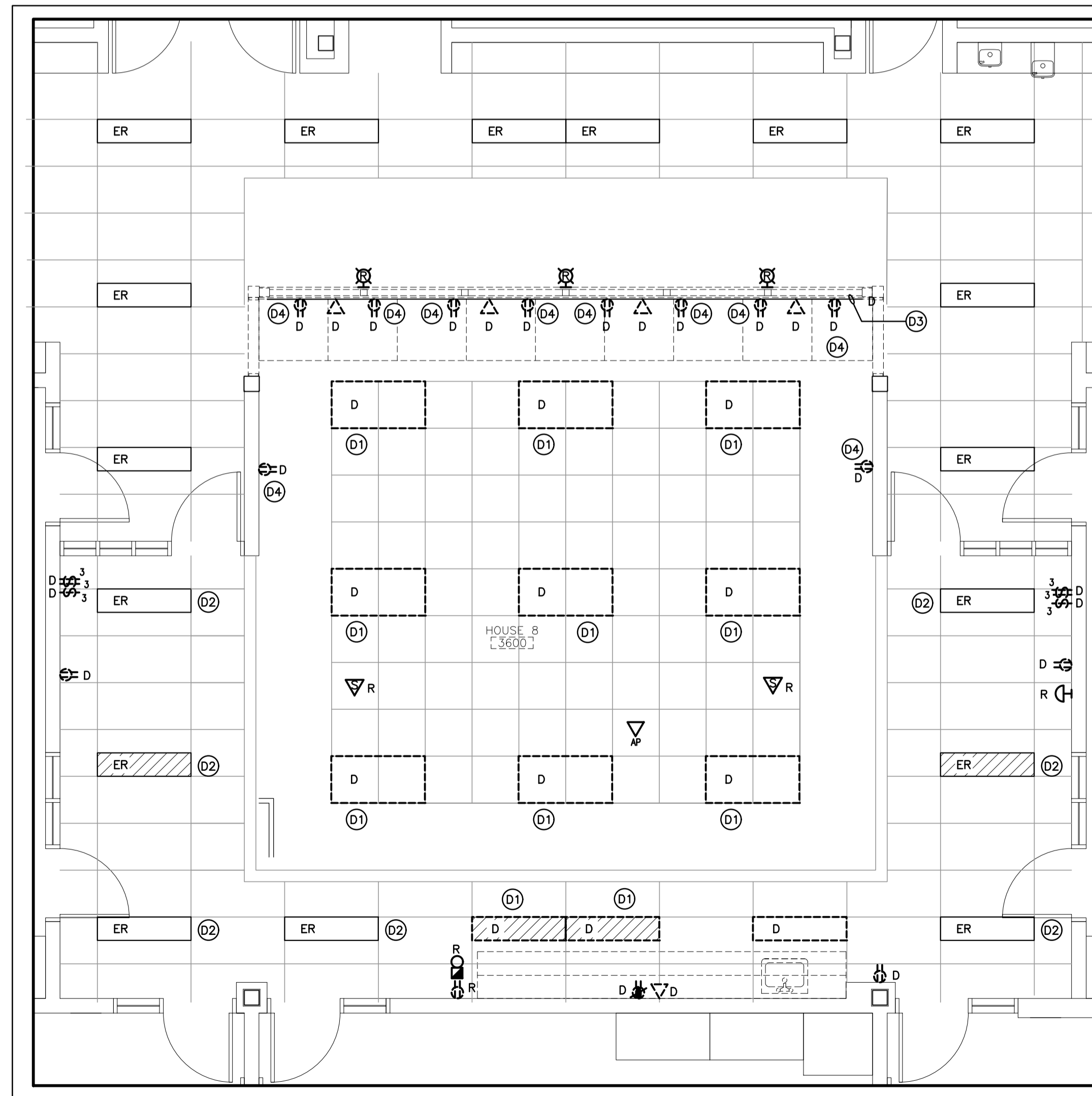
A—SECOND FLOOR HOUSE 5 2600 DEMOLITION PLAN
SCALE: 1:50

ITEMIZED PRICE #1



B—SECOND FLOOR HOUSE 4 2700 DEMOLITION PLAN
SCALE: 1:50

ITEMIZED PRICE #1



C—THIRD FLOOR HOUSE 8 3600 DEMOLITION PLAN
SCALE: 1:50

GENERAL DEMOLITION NOTES

- 'ER' DENOTES EXISTING ITEM TO REMAIN.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- 'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.
- ALL LIGHTING FIXTURES BEING RELOCATED SHALL BE CLEANED AND CHECKED PRIOR TO BEING REINSTALLED.

SPECIFIC DEMOLITION NOTES

- D1 FIXTURES ARE TO BE DISCONNECTED AND REMOVED. MAINTAIN WIRING FOR CONNECTION TO NEW FIXTURES AND CONTROLS AS NOTED ON THE RENOVATION DRAWINGS.
- D2 INDICATES EXISTING PERIMETER LIGHTING TO BE RE-WIRED AS REQUIRED TO SUIT RENOVATED AREA. REFER TO RENOVATION PLANS FOR NEW CONTROLS.
- D3 TWO COMPARTMENT SURFACE RACEWAY FEED POINT FED FROM BELOW TO BE DEMOLISHED.
- D4 INDICATES RECEPTACLE BEING REMOVED. THIS CONTRACTOR IS TO DISCONNECT AND MAINTAINED EXISTING FEEDER FOR NEW RECEPTACLES. EXTEND FEEDER AS REQUIRED.

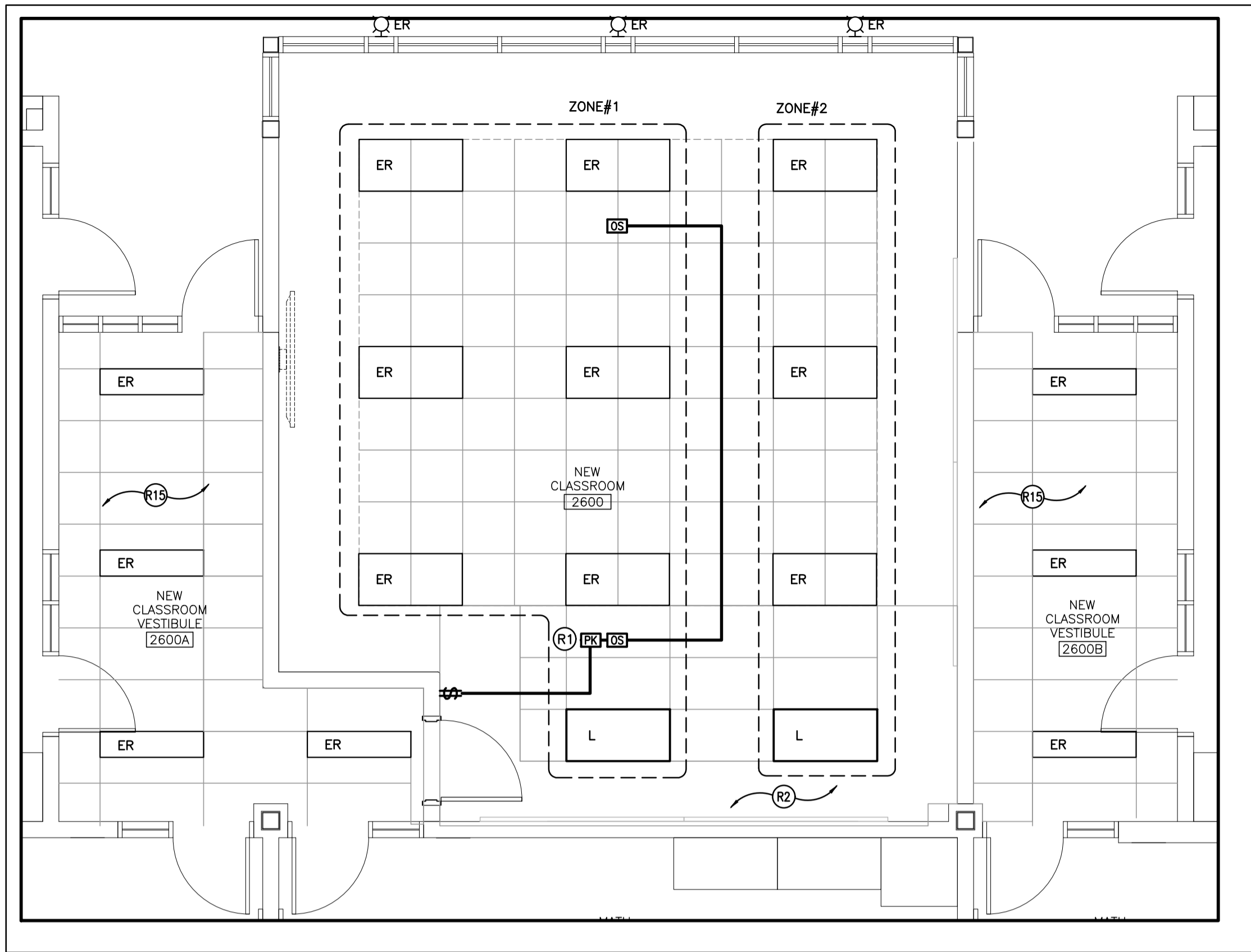


ISSUED FOR TENDER
2022-03-31



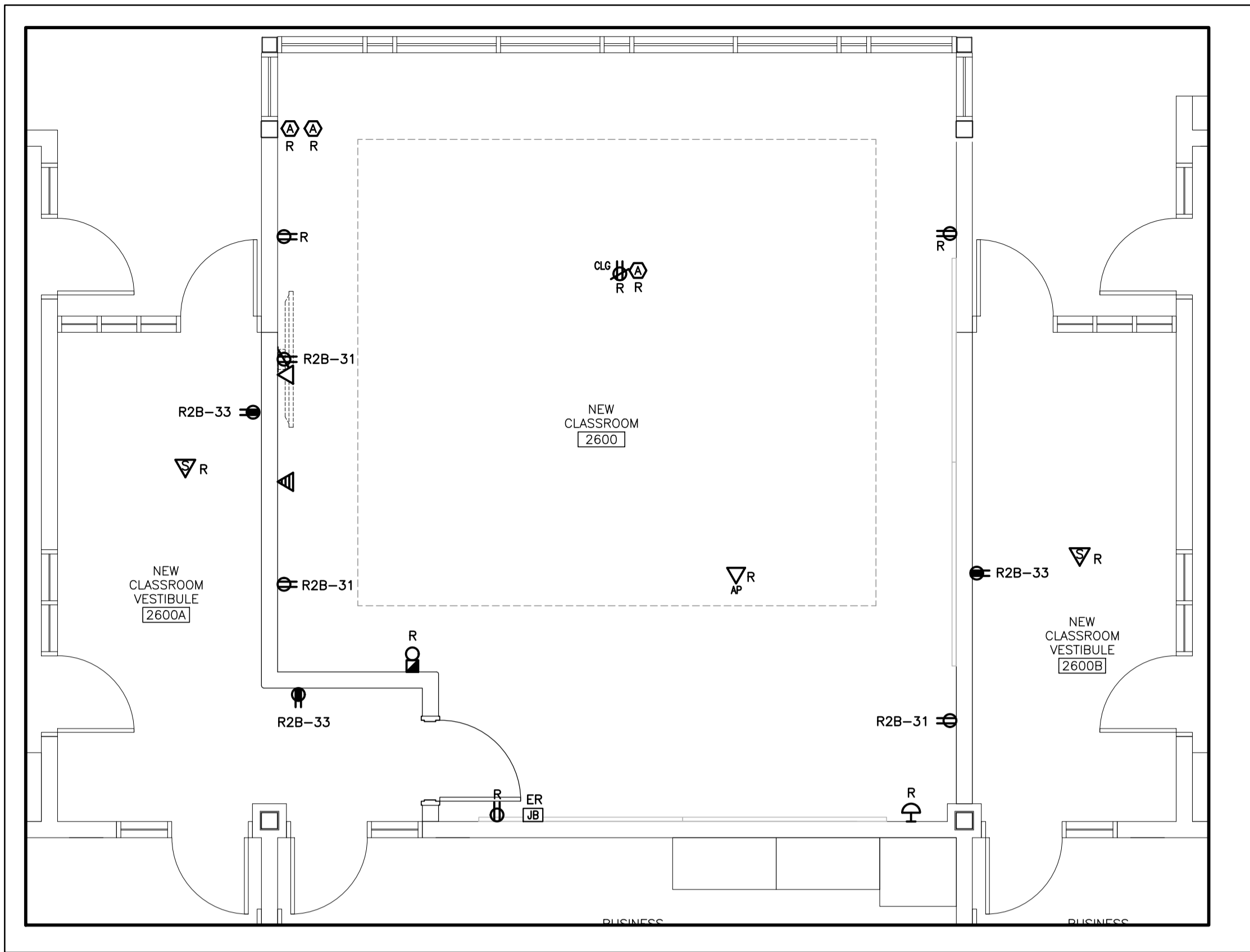
Sir John A Macdonald Secondary School
CLASSROOM RENOVATIONS
DEMOLITION PLANS
650 Laurelwood Dr. Waterloo, ON
Project No.: 1036A
Drawn By: [Blank]
Reviewed: [Blank]

E2.01



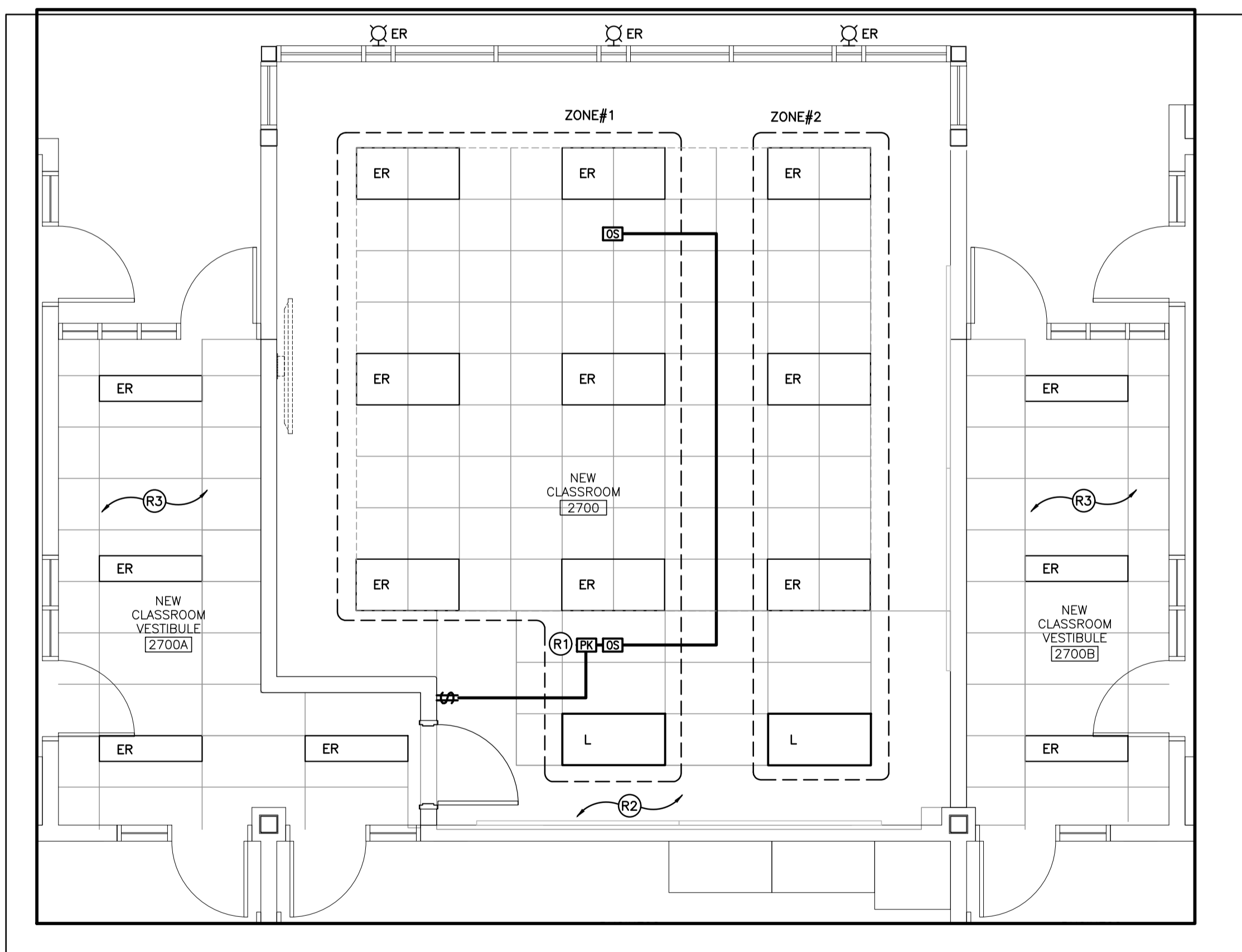
A-SECOND FLOOR NEW CLASSROOM 2600 LIGHTING PLAN
SCALE: 1:50

ITEMIZED PRICE #1



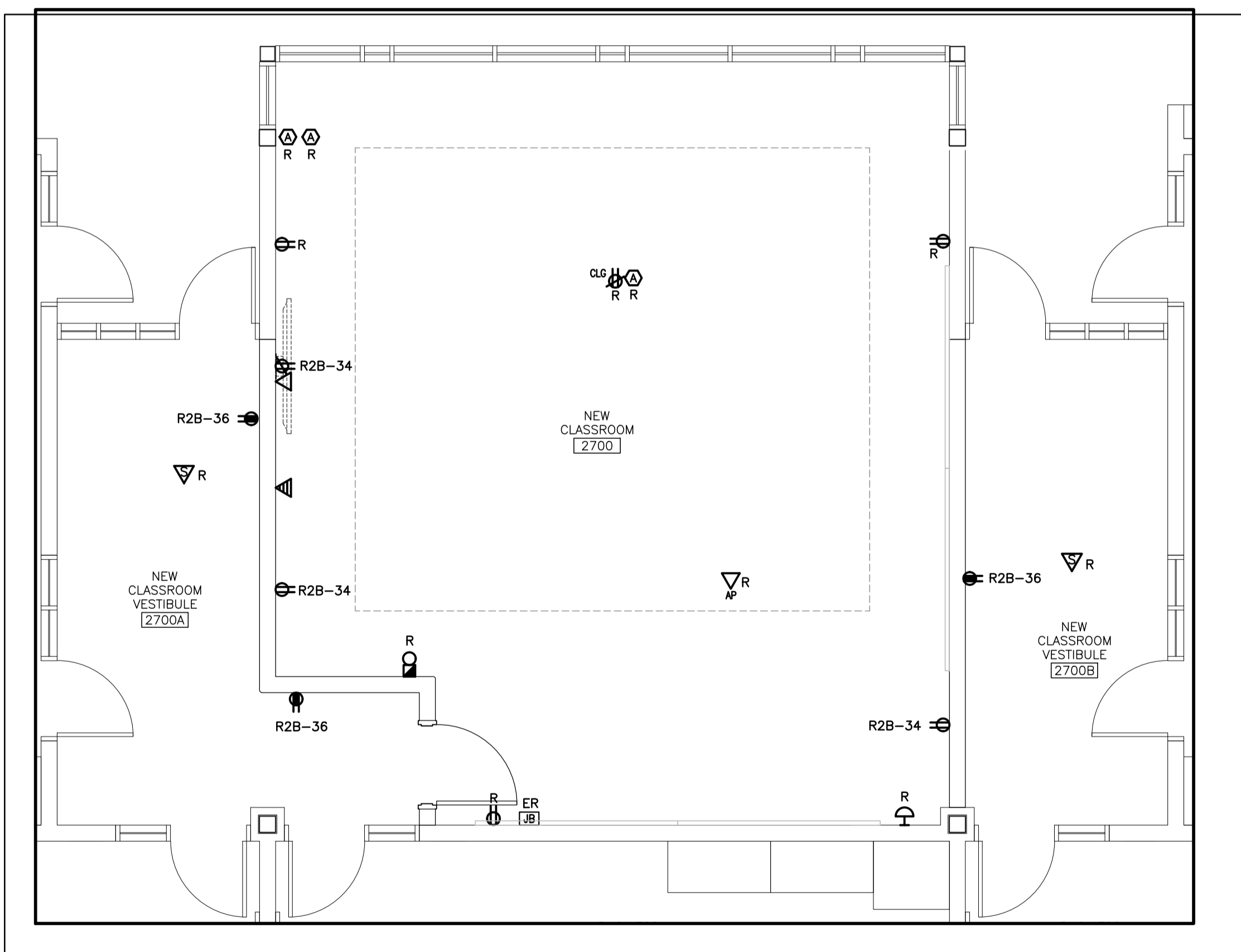
B-SECOND FLOOR NEW CLASSROOM 2600 POWER AND SYSTEMS PLAN
SCALE: 1:50

ITEMIZED PRICE #1



C-SECOND FLOOR NEW CLASSROOM 2700 LIGHTING PLAN
SCALE: 1:50

ITEMIZED PRICE #1



D-SECOND FLOOR NEW CLASSROOM 2700 POWER AND SYSTEMS PLAN
SCALE: 1:50

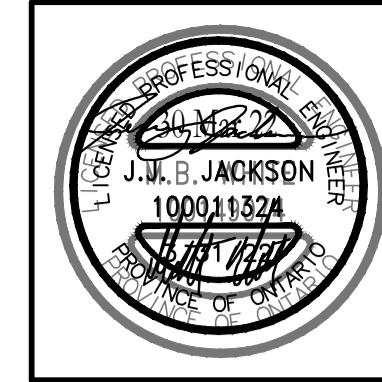
ITEMIZED PRICE #1

GENERAL RENOVATION NOTES

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

SPECIFIC RENOVATION NOTES

- R1 INDICATES POWER PACK INSTALLED WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF CLASSROOM LIGHTING THROUGH WALL MOUNTED TOGGLE SWITCHES. REFER TO LIGHTING CONTROL DETAILS.
- R2 FIXTURES IN INDICATED AREA ARE TO BE CONNECTED TO EXISTING CIRCUIT AND CONTROLLED AS SHOWN.
- R3 FIXTURES IN VESTIBULE ARE TO BE CONNECTED TO EXISTING CORRIDOR CIRCUIT AND CONTROLLED.

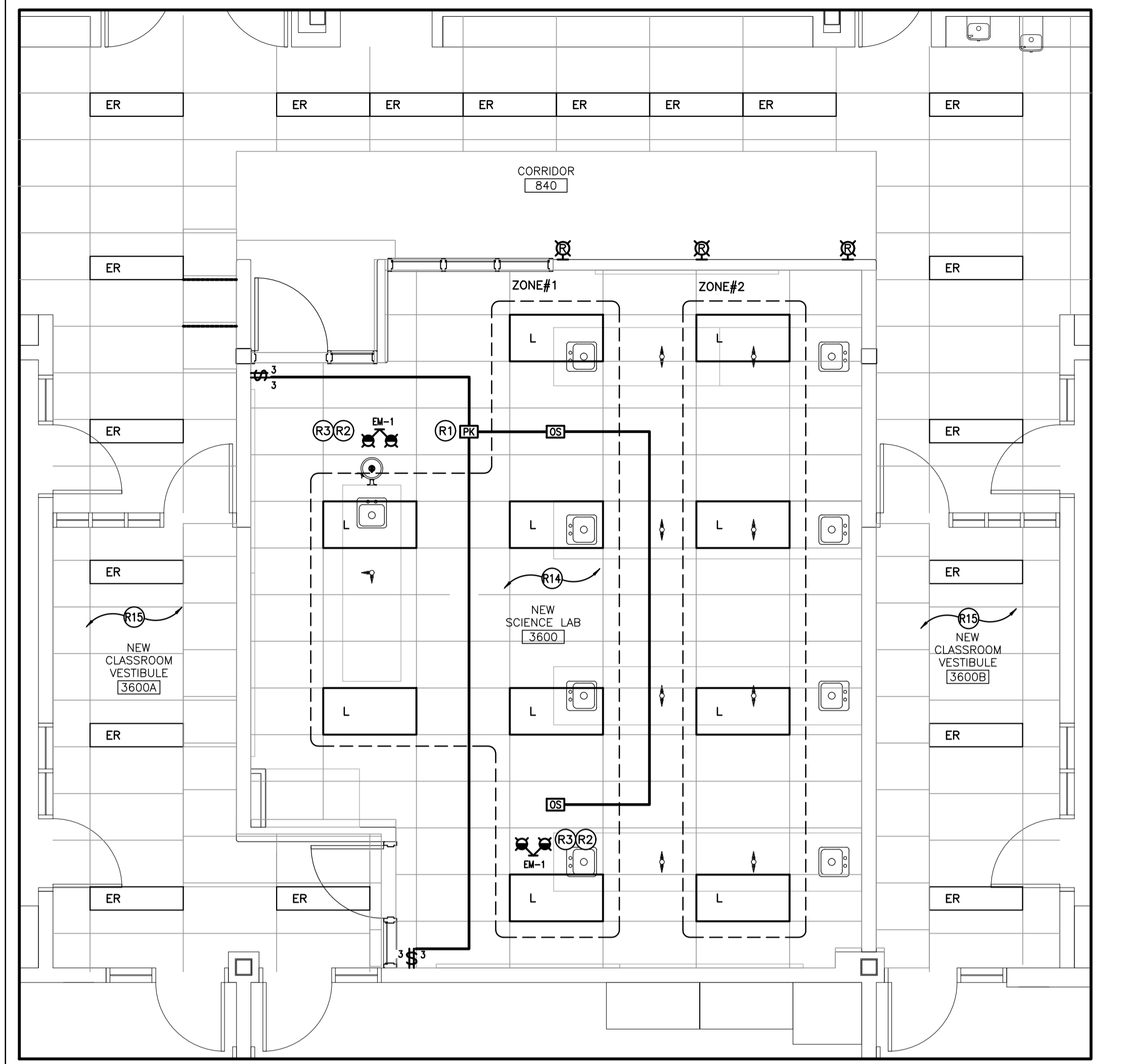


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2022-03-31

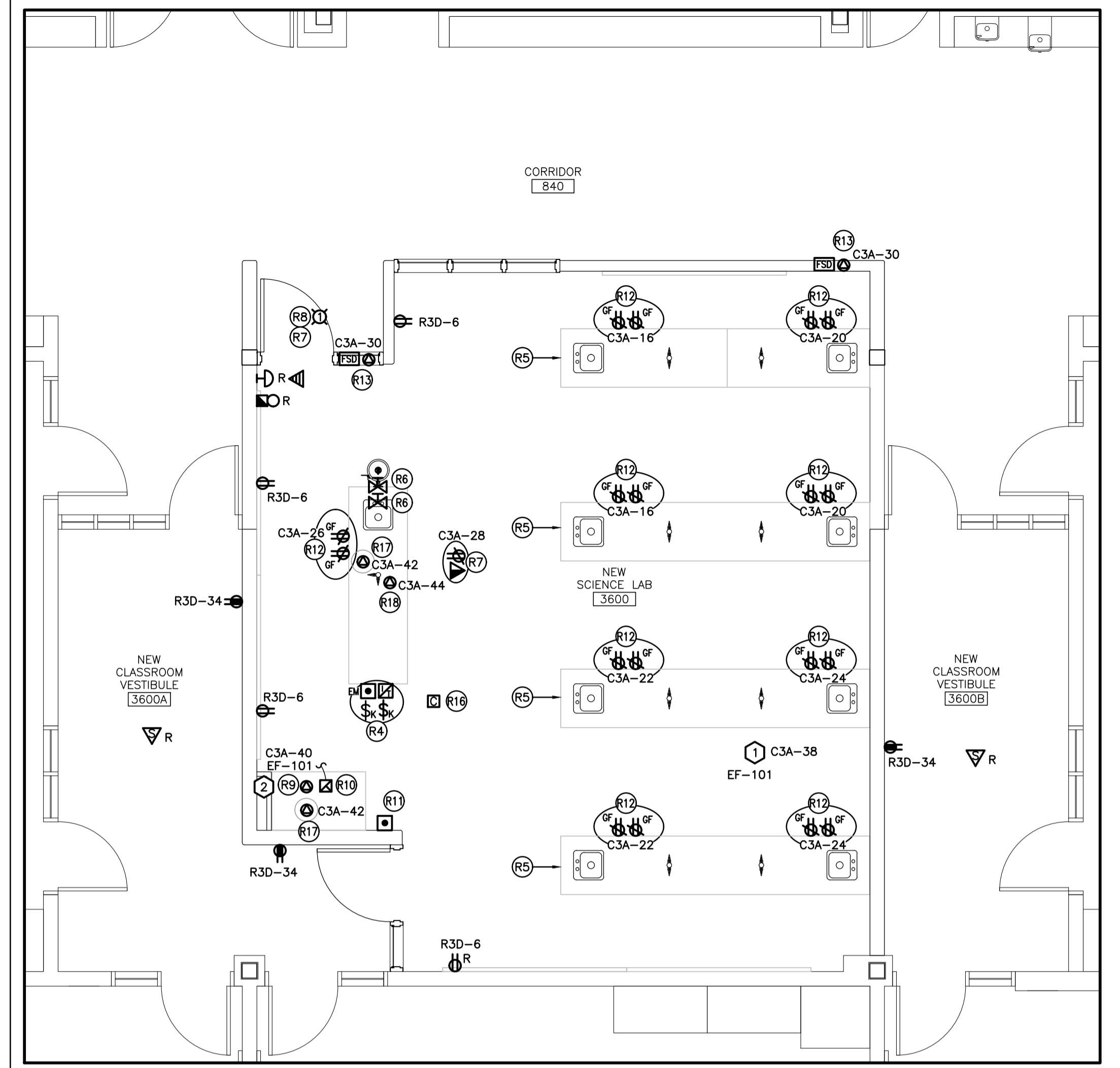


Sir John A Macdonald Secondary School
CLASSROOM RENOVATIONS
NEW CLASSROOM 2600 & 2700 RENOVATION PLANS
650 Laurelwood Dr. Waterloo, ON
Project No.: 1036A
Drawn By: [Blank]
Reviewed: [Blank]

E2.02



A-THIRD FLOOR NEW SCIENCE LAB 3600 LIGHTING PLAN
SCALE: 1:50



B-THIRD FLOOR NEW SCIENCE LAB 3600 POWER AND SYSTEMS PLAN
SCALE: 1:50

GENERAL RENOVATION NOTES

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

SPECIFIC RENOVATION NOTES

- R1 INDICATES POWER PACK INSTALLED WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF CLASSROOM LIGHTING THROUGH WALL MOUNTED TOGGLE SWITCHES. REFER TO LIGHTING CONTROL DETAILS.
- R2 INDICATED DEVICE TO BE CEILING MOUNTED, PROVIDE ADEQUATE SUPPORT.
- R3 CONNECT NEW EMERGENCY FIXTURE TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT.
- R4 INDICATED DEVICES ARE TO BE MOUNTED IN FACE OF MILLWORK, FEED FROM BELOW. REFER TO DETAIL B/E1.02 FOR DESK RECEPTACLE CIRCUIT SHUTDOWN DETAILS AND DETAIL C/E1.02 FOR GAS CONTROL DETAILS. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING LOCATION.
- R5 DEVICES WITHIN THE MILLWORK ARE TO BE FED FROM BELOW VIA PVC PIPE SLEEVES FROM SOURCE PANEL. CO-ORDINATE WITH SERVICES BELOW AND MECHANICAL INSTALLATIONS.
- R6 INDICATES GAS SOLENOID VALVE(S) (REFER TO MECHANICAL DRAWINGS FOR FINAL LOCATION) FOR SCIENCE ROOM(S), FEED AND CONNECT AS PER DETAIL.
- R7 INDICATED DEVICE IS TO BE CEILING MOUNTED. PROVIDE ADEQUATE SUPPORT.
- R8 INDICATES DOME LIGHT TO ACT AS INDICATING LIGHT FOR GAS SOLENOID WITHIN SCIENCE ROOM(S). REFER TO DETAIL C/E1.02.
- R9 INDICATES HARDWIRED CONNECTION TO FUME HOOD FOR FUME HOOD'S INTEGRAL LIGHTING. COORDINATE CONNECTION CONFIGURATION WITH MANUFACTURER PRIOR TO ROUGH-IN.
- R10 INDICATES STARTER FOR FUME HOOD EXHAUST FAN MOUNTED IN CEILING SPACE. WIRE STARTER TO EXHAUST FAN LOCATED ON ROOF AND TO START/STOP PUSHBUTTONS MOUNTED TO FUME HOOD. COORDINATE INSTALLATION WITH HOOD SUPPLIER AND ARCHITECTURAL DETAILS.
- R11 INDICATES START/STOP PUSHBUTTON C/W PILOT LIGHT FOR CONTROL OF FUME HOOD EXHAUST FAN. MOUNT PUSHBUTTON TO FUME HOOD AND WIRE TO FUME HOOD EXHAUST FAN STARTER MOUNTED IN CEILING SPACE. COORDINATE INSTALLATION WITH HOOD SUPPLIER AND ARCHITECTURAL DETAILS.
- R12 INDICATES RECEPTACLES TO BE MOUNTED TO THE FIXED DRAWER FRONT. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND MILLWORK DETAIL.
- R13 INDICATES POWER AND FIRE ALARM CONNECTIONS TO SMOKE/FIRE DAMPERS AT DUCT TRANSFER. REFER TO FIRE ALARM RISER AND SPECIFICATIONS. COORDINATE EXACT LOCATION/CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. SMOKE/FIRE DAMPER AND ASSOCIATED DETECTOR TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. ZONE ASSOCIATED DETECTOR TO FIRE ALARM ZONE PER RISER.
- R14 FIXTURES IN INDICATED AREA ARE TO BE CONNECTED TO EXISTING CIRCUIT AND CONTROLLED AS SHOWN.
- R15 FIXTURES IN VESTIBULE ARE TO BE CONNECTED TO EXISTING CORRIDOR CIRCUIT AND CONTROLLED.
- R16 INDICATES CONTACTOR TO BE INSTALLED WITHIN ACCESSIBLE CEILING SPACE FOR SHUTDOWN OF DESK RECEPTACLES.
- R17 INDICATES POWER CONNECTION TO NEUTRALIZING TANK FOR MONITORING PURPOSES.
- R18 INDICATES POWER CONNECTION FOR EMERGENCY GAS SOLENOID VALVE.



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