

LIST OF ABBREVIATIONS			
#	AND	JAN	JANITOR
^	ANGLE	JNSH	JANITOR SHELF
@	AT		
#	NUMBER	KPL	KICK PLATE
A/C	AIR CONDITIONER	LAM	LAMINATE
ACT	ACOUSTIC TILE	LAV	LAVATORY
ADJ	ADJUSTABLE	LCK	LOCK
AF	ABOVE FINISH FLOOR	LNO	LINEOLEUM
ALT	ALTERNATE	LSD	LIQUID SOAP DISPENSER
ALUM	ALUMINUM	LTC	LATCH
AND	AND	LTWT	LIGHTWEIGHT
APPROX	APPROXIMATE	M	METRE (S)
ARCH	ARCHITECTURAL	MAS	MASONRY
AUTO	AUTOMATIC	MATL	MATERIAL
		MAX	MAXIMUM
BD	BOARD	MECH	MECHANICAL
BTUM	BITUMINOUS	MEZZ	MEZZANINE
BLDG	BUILDING	MFR	MANUFACTURER
BLK	BLACK	MH	MANHOLE
BM	BEAM	MPD	MIDDLE
BSMT	BASEMENT	MIN	MINIMUM
BUR	BUILT UP ROOF	MSG	MISCELLANEOUS
BF	BARRIER-FREE	mm	MILLIMETER (S)
		MO	MASONRY OPENING
CA	CLEAR ANCHORED	MOD	MODIFIED BITUMEN
CAB	CABINET	MR	MIRROR
CANT	CANTILEVER	MTL	METAL
CB	CONCRETE BLOCK	MUL	MULLION
CEM	CEMENT		
CG	CORNER GUARD		
CH	COAT HOOK		
CJ	CONTROL JOINT	N	NORTH
CLS	CELLING	NC	NOT IN CONTRACT
CLSR	CLOSER	NTS	NOT TO SCALE
CMU	CONCRETE MASONRY UNIT	NUMBER	NUMBER
COL	COLUMN		
CONC	CONCRETE	O.C.	ON CENTER
CONT	CONTINUOUS	OD	OUTSIDE DIAMETER
CORR	CORRIDOR	CHD	OVERHEAD DOOR
CPT	CARPET		
CT	CERAMIC TILE	PDO	POWER DOOR OPERATOR
CTR	CENTER	FLAM	FLAMMABLE
C/H	COMPLETE WITH	PLAS	PLASTER
		PLYND	PLYWOOD
D	DRYER	PREFIN	PRE FINISHED
DBL	DOUBLE	PSH	PAINT
DEPT	DEPARTMENT	PTD	PAPER TOWEL DISPENSER
DET	DETAIL	PTDD	PAPER TOWEL DISPENSER / DISPOSAL
DF	DRINKING FOUNTAIN	PUL	FILL
DI	DIAMETER		
DM	DIMENSION	R	RISER
DN	DOWN	RAD	RADIUS
DR	DOOR	RB	RUBBER
DS	DOWNSPOUT	REIN	REINFORCED
DWG	DRAWING	REQD	REQUIRED
		REV	REVISION
EA	EACH	RH	ROBE HOOK
EB	EXPANSION BOLT	RM	ROOM
EF	EACH FACE	RO	ROUGH OPENING
EIFS	EXTERIOR INSULATION FINISH SYSTEM	RT	RUBBER TILE
EJ	EXPANSION JOINT		
ELEV	ELEVATION	SEAL	SEALER
ELEC	ELECTRICAL	SCHED	SCHEDULE
EMERG	EMERGENCY	SCR	SHOWER ROD AND CURTAIN
ENCL	ENCLOSURE	SD	SMOKE DETECTOR
EPDM	ETHYLENE-PROPYLENE-DIENE POLYMER	SDP	SOAP DISPENSER
EPT	EPOXY PAINT	SECT	SECTION
EQ	EQUAL	SH	SHIELD
EQUIP	EQUIPMENT	SHT	SHEET
EA	EACH WAY	SHTV	SHEET VINYL
EX	EXISTING	SHR	SHOWER
EXIST	EXISTING	SM	SIMILAR
EXP	EXPOSED	SNDP	SANITARY NAPKIN DISPENSER
EXT	EXTERIOR	SND	SANITARY NAPKIN DISPOSAL
		SPGC	SPECIFICATION
FA	FIRE ALARM	SPKR	SPEAKER
FD	FLOOR DRAIN	SS	SQUARE
FE	FIRE EXTINGUISHER	SS	STAINLESS STEEL
FG	FIRE EXTINGUISHER AND CABINET	STD	STANDARD
FHG	FIRE HOSE CABINET	STL	STEEL
F.F.	FINISH FLOOR	STC	STORAGE
FTS	FIXED GLASS	STP	STOP
FIN	FINISH(ED)	STR	STRUCTURE
FLR	FLOOR	SUSP	SUSPENDED
FLUOR	FLUORESCENT	SM	SIMILAR
FND	FOUNDATION	SWP	SWEET
FT	FOOT, FEET		
FTG	FOOTING	T	TREAD
FURN	FURNITURE	TEMP	TEMPERED
		T&G	TONGUE AND GROOVE
GA	GAGE, GAUGE	THK	THICK
GALV	GALVANIZED	THR	THRESHOLD
GB	GRAB BAR	THRU	THROUGH
GB-L	"L" SHAPED GRAB BAR	TPD	TOILET PAPER DISPENSER
GB-FD	FOLD DOWN GRAB BAR	TYP	TYPICAL
GC	GENERAL CONTRACTOR		
GL	GLASS/GLAZING		
GRD	GROUND	U/S	UNDERSIDE
GR	GRADE		
GMB	GYPSED WALL BOARD	V	VINYL
GNG	GEORGIAN WIRE GLASS	VARN	VARNISHED
GYP	GYPSED	VB	VAPOR BARRIER
		VCT	VINYL COMPOSITE TILE
HB	HOSE BIBB	VENT	VENTILATION
H/C	HANDICAPPED	VERT	VERTICAL
HD	HAND DRYER	VEST	VESTIBULE
HDND	HARDWOOD	VNLT	VINYL TILE
HDNR	HARDWARE		
HM	HOLLOW METAL	W	WITH
HNG	HINGE	WASH	WASHER
HO	HOLD OPEN	WD	WOOD
HORZ	HORIZONTAL	WSTRP	WEATHERSTRIPPING
HR	HOUR	WR	WATER RESISTANT
HT	HEIGHT	X/O	WITHOUT
HVAC	HEATING, VENTILATING, AIR CONDITIONING	MGR	WASTE RECEPTACLE
HWH	HOT WATER HEATER	MT	MEET
		MWF	WELDED WIRE FABRIC
ID	INSIDE DIAMETER		

# LIST OF DRAWINGS



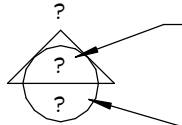



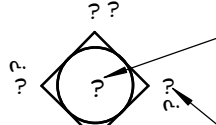





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000	COVER PAGE, GBC MATRIX, KEY PLANS AND LIST OF DRAWINGS
301	GROUND FLOOR - 5TOR 121 PLANS
302	GROUND FLOOR - CORRIDOR CONSTRUCTION PLAN
303	SECOND FLOOR - 4VR 221 PLANS
304	BARRIER FREE ELEVATIONS, FRAME DETAILS, DOOR AND INTERIOR FINISH SCHEDULES
400	FLUWING, FIRE PROTECTION, SCHEDULES, LEGENDS, DETAILS 1 SPECIFICATIONS
401	PLUMBING 1 HVAC LAYOUTS
500	SPECIFICATIONS DETAILS SCHEDULES
501	1ST FLOOR UNIVERSAL, M/G, EXISTING CONDITIONS, NEW CONDITIONS

OBC DATA MATRIX - PART 11 - RENOVATION TO EXISTING BUILDING					OBC REFERENCE
11.1	PROJECT TYPE:	<input type="checkbox"/> ADDITION <input type="checkbox"/> CHANGE OF USE <input checked="" type="checkbox"/> RENOVATION <input type="checkbox"/> ADDITION AND RENOVATION			[A] 1.1.2.
		DESCRIPTION: RENOVATIONS TO EXISTING ELEMENTARY SCHOOL			
11.2	MAJOR OCCUPANCY CLASSIFICATION:	OCCUPANCY GROUP A2 USE SECONDARY SCHOOL			3.1.2.1.(1) & 3.2.2.20. - 83.
11.3	SUPERIMPOSED MAJOR OCCUPANCIES:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES DESCRIPTION: _____			3.2.2.1.
11.4	BUILDING AREA (m2):	EXIST'G BUILDING: 7847	NEW: 0	TOTAL: 7847	[A]1.4.1.2.
11.5	GROSS AREA (m2):	EXIST'G BUILDING: 15820	NEW: 0	TOTAL: 15820	[A]1.4.1.2.
11.6	BUILDING HEIGHT:	2 STOREYS ABOVE GRADE (m) ABOVE GRADE NO CHANGE			[A]1.4.1.2. & 3.2.1.1.
11.7	NUMBER OF STREETS/ FIREFIGHTER ACCESS:	3			3.2.2.10. & 3.2.5.
11.8	BUILDING SIZE:	<input type="checkbox"/> SMALL <input type="checkbox"/> MEDIUM <input type="checkbox"/> LARGE <input type="checkbox"/> > LARGE NOT APPLICABLE (NO CHANGE OF MAJOR OCCUPANCY)			T.11.2.1.B-N.
11.9	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.11.2.1.1B-N 4.1.2.
11.10	OCCUPANT LOAD:	FLOOR/LEVEL AREA	OCCUPANCY TYPE	BASED ON OCCUPANT LOAD (PERSONS) EXISTING NO CHANGE	3.1.17.
11.11	REDUCTION IN PERFORMANCE LEVEL:	STRUCTURAL: BY INCREASE IN OCCUPANT LOAD: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES BY CHANGE OF 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.
11.12	REQUIRED FIRE RESISTANCE RATINGS:	HORIZONTAL ASSEMBLIES FRR (HOURS)		LISTED DESIGN NUMBER OR DESCRIPTION (SB-2)	3.2.2.25. AND 3.2.1.4.
		FLOORS	1 HOURS	EXISTING	
		ROOF	N/A HOURS	N/A	
		MEZZANINE	1 HOURS	EXISTING	
		FRR OF SUPPORTING MEMBERS		LISTED DESIGN NUMBER OR DESCRIPTION (SB-2)	
		FLOORS	1 HOURS	EXISTING	
		ROOF	N/A HOURS	N/A	
		MEZZANINE	1 HOURS	EXISTING	
11.13	BARRIER FREE DESIGN:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			11.3.3.2.(2)

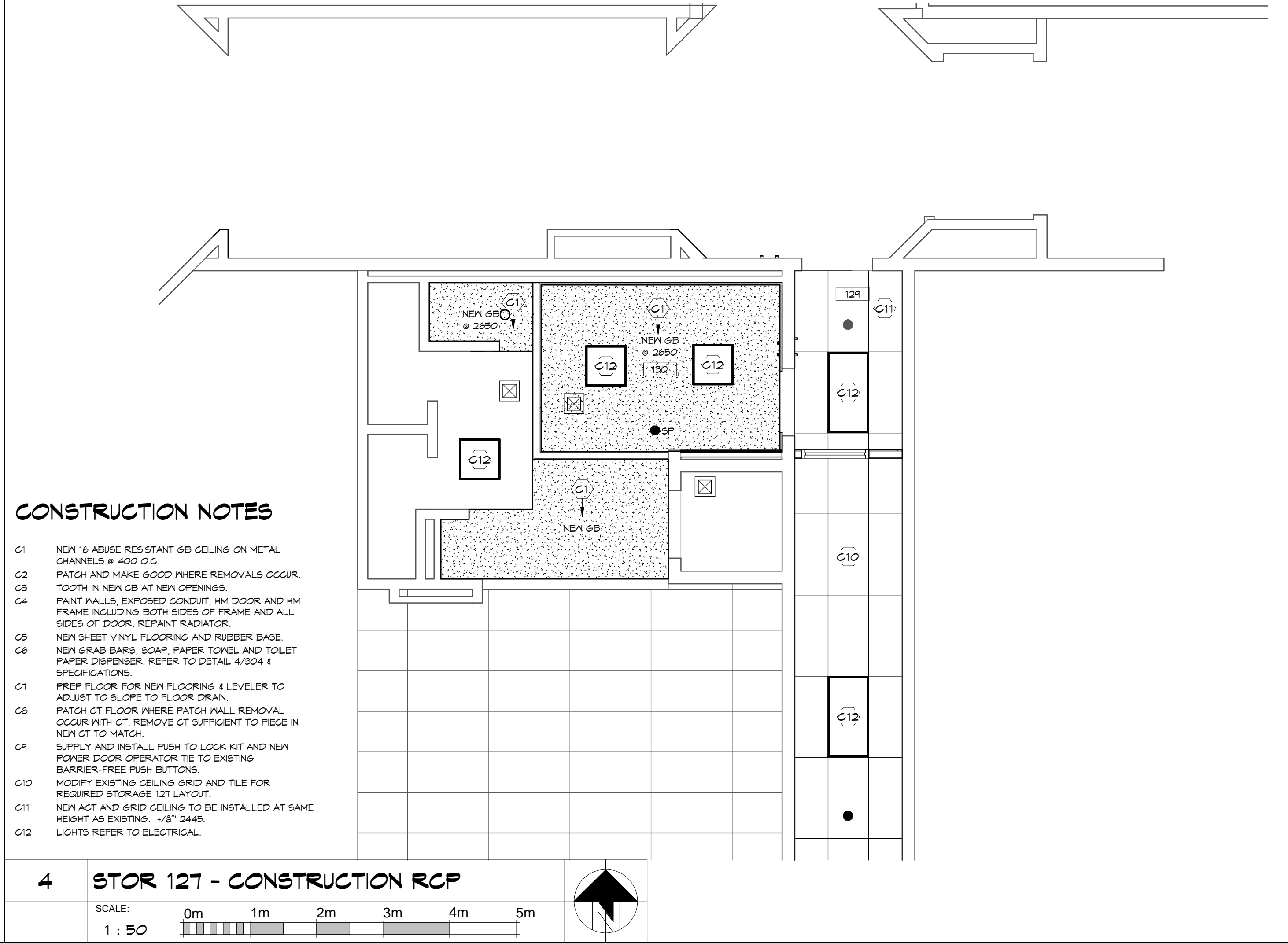
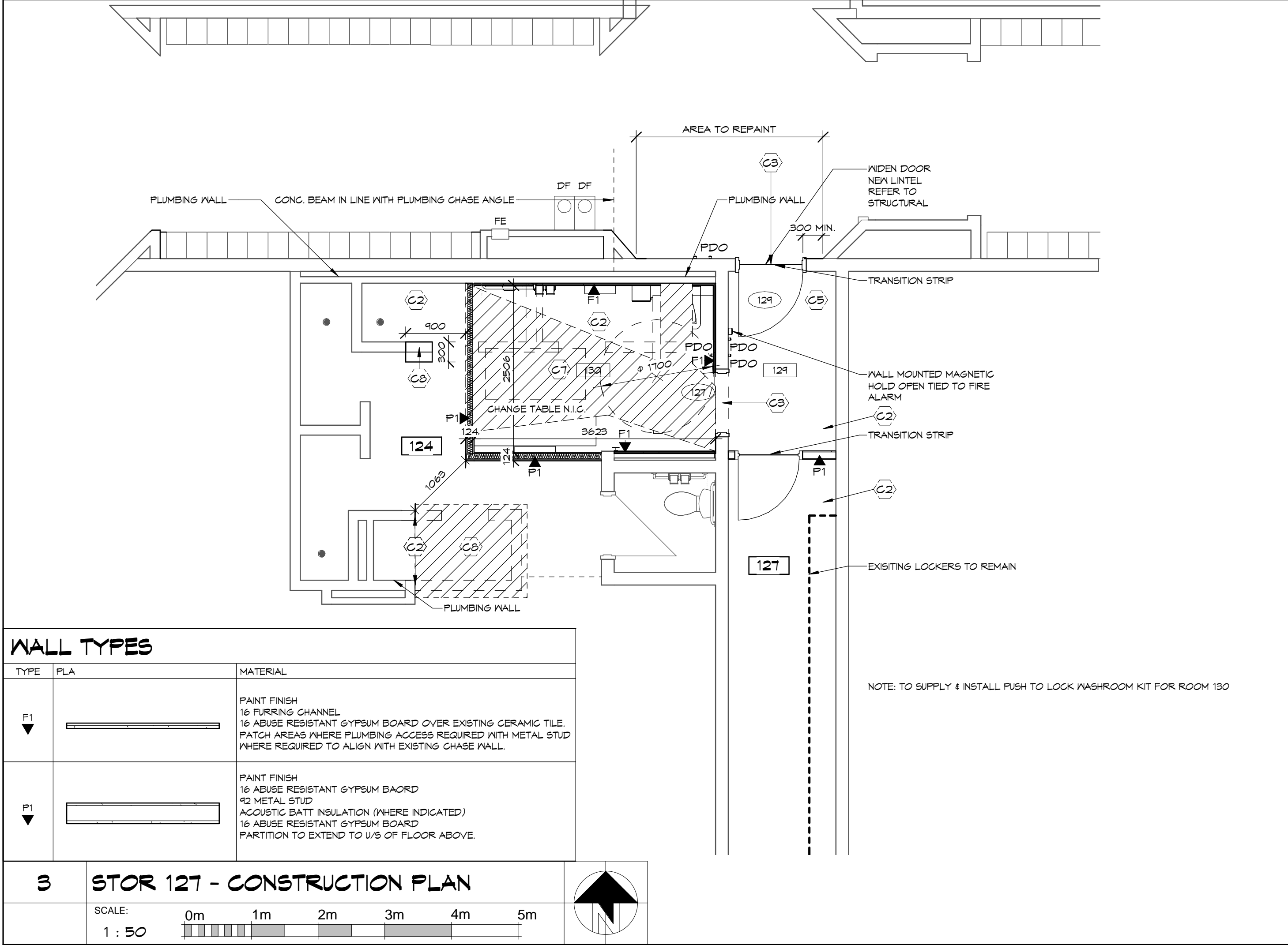
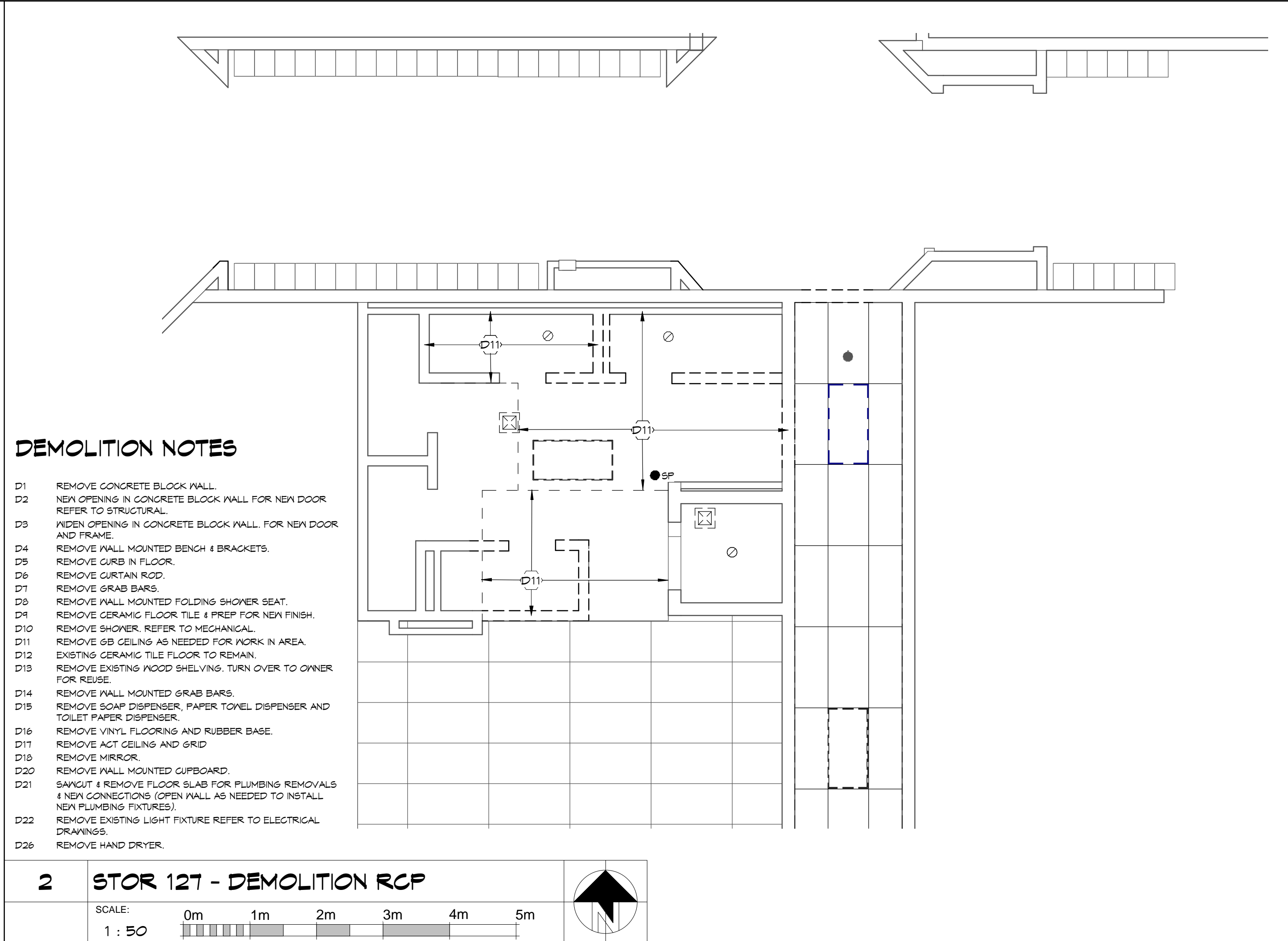
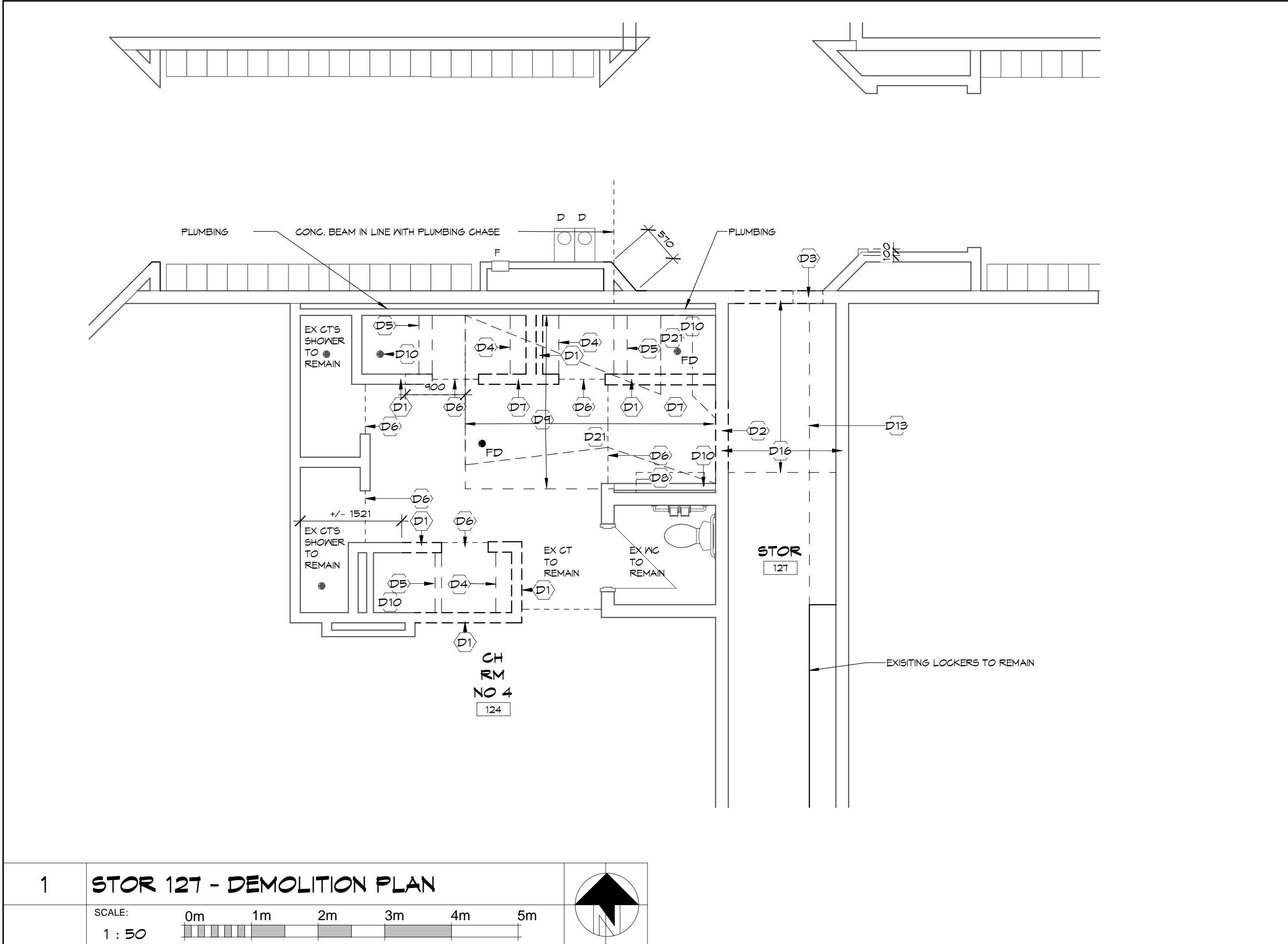
OTHER	NON COMBUSTIBLE CONSTRUCTION SPRINKLERED BUILDING
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# LEGEND OF SYMBOLS

	ROOM NAME AND NUMBER, REFER TO INTERIOR FINISH SCHEDULE FOR FINISHES		KEYNOTE, REFER TO NOTES ON SAME SHEET
	SECTION NUMBER SECTION REFERENCE		DOOR NUMBER, REFER TO DOOR SCHEDULE
	SHEET WHERE DETAILED		WINDOW TYPE, REFER TO LEGEND OF WINDOW TYPES
	SHEET WHERE DETAILED ELEVATION REFERENCE		NEW DOOR AND FRAME, REFER TO DOOR SCHEDULE
	ELEVATION NUMBER		EXISTING DOOR AND FRAME, TO REMAIN
	WALL TYPE, REFER TO LEGEND OF WALL TYPES		REMOVE EXISTING DOOR AND FRAME

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1	RHM	ISSUED FOR TENDER PERMIT & CONSTRUCTION	05/06/22																
No.	BY	REVISIONS/SUBMISSIONS	DATE																
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: left;"> <b>COLBOURNE &amp; KEMBEL, ARCHITECTS INC.</b>   <small>                         1310 ARLINGTON PARK PLACE                          KINGSTON, ONTARIO K7M 8M9                          TEL 613-364-2240 FAX 613-364-1271                          INFO@C&amp;K.CO WWW.C&amp;K.CO                     </small> </div> </div>																			
PROJECT <h2 style="margin: 0;">HOLY CROSS SECONDARY SCHOOL</h2> <p style="margin: 5px 0 0 0;">103 WOODBINE ROAD, KINGSTON, ON.</p>																			
DRAWING <h2 style="margin: 0;">COVER PAGE, OBC MATRIX, KEY PLANS AND LIST OF DRAWINGS</h2>																			
SCALE As indicated																			
<div style="text-align: center;">             PROFESSIONAL SEAL   <p style="font-size: small;">               NOT FOR PERMIT OR CONSTRUCTION                WITHOUT SEAL AND ISSUED NOTE             </p> </div>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">DRAWN</td> <td style="width: 50%; text-align: center;">DATE</td> </tr> <tr> <td style="text-align: center;">EM</td> <td style="text-align: center;">FEB 2022</td> </tr> <tr> <td style="text-align: center;">CHECKED</td> <td style="text-align: center;">PRINTED</td> </tr> <tr> <td style="text-align: center;">RHM</td> <td style="text-align: center;">05/06/22</td> </tr> <tr> <td style="text-align: center;">REVIEWED</td> <td style="text-align: center;">DRAWING No.</td> </tr> <tr> <td style="text-align: center;">RHM</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: center;">PROJECT No.</td> </tr> <tr> <td colspan="2" style="text-align: center;">22016</td> </tr> </table>		DRAWN	DATE	EM	FEB 2022	CHECKED	PRINTED	RHM	05/06/22	REVIEWED	DRAWING No.	RHM		PROJECT No.		22016	
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No.	BY	REVISIONS/SUBMISSIONS	DATE

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PROJECT  
**HOLY CROSS SECONDARY SCHOOL**

108 WOODBINE ROAD, KINGSTON, ON.

DRAWING  
**GROUND FLOOR - STOR 127 PLANS**

SCALE  
As indicated

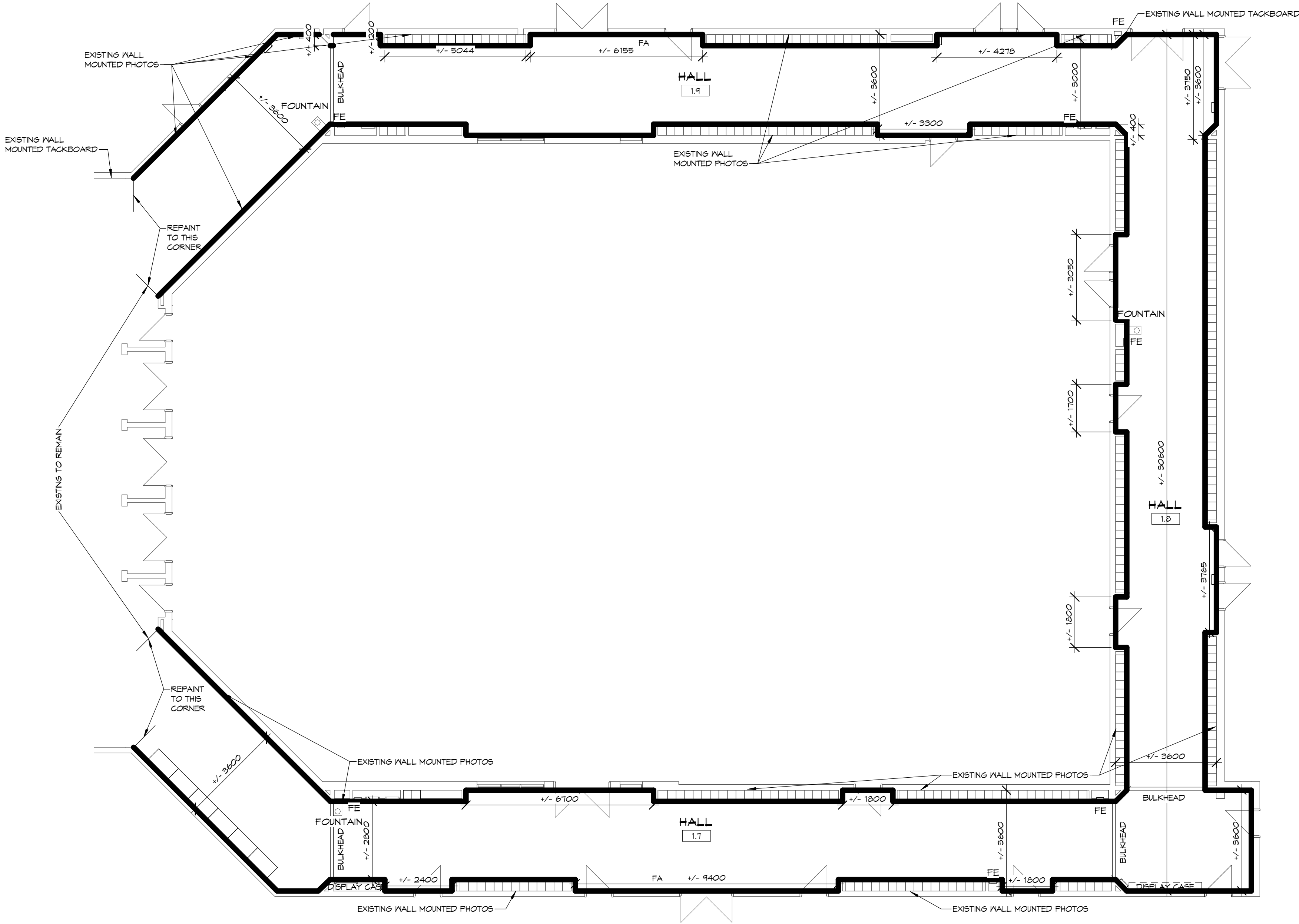
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 Rhonda Lorraine Horne-McCorday LICENCE 6075 NOT FOR PERMIT OR CONSTRUCTION WITHOUT SEAL AND ISSUED NOTE	EM	FEB 2022
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	REVIEWED: RHM	DRAWING No.

PROJECT No. 22016

**301**

CORRIDOR SCOPE OF WORK

1. PAINT ALL CONCRETE BLOCK WALLS, NIB WALLS, AND BULKHEADS TO CORRIDOR 1.1, 1.2 & 1.9. WALL/BULKHEAD ABOVE LOCKERS TO BE REPAINTED. REPAINT ACCESS AND ELECTRICAL PANELS.
2. PROTECT EXISTING ITEMS TO REMAIN. LOCKERS AND LOCKER FRAMES TO REMAIN WITH EXISTING FINISH.
3. PAINT ALL HM DOORS & DOOR FRAMES. BOTH SIDES OF DOORS AND FRAMES TO BE PAINTED.
4. EXISTING ACT GRID & TILE TO REMAIN - HEIGHT APPROX. 2625mm A.F.F.
5. LOCKERS ARE APPROX. 1875 HIGH WITH EXISTING GB WALL ABOVE TO EXISTING ACT CEILING.
6. EXISTING PAINT IS TWO TONE WITH DEEP PEACH COLOUR ON LOWER PORTION OF WALLS AND EXISTING DEEP COLOURS ON DOORS. INCLUDE FOR FULL COVERAGE OF DEEP PAINT COLOURS.
7. REFER TO DESIGNATED SUBSTANCES REPORT IN SPECIFICATIONS APPENDIX A AND B.
8. OWNER TO REMOVE ALL WALL MOUNTED PLAQUES, AWARDS AND PHOTOS. CONTRACTOR TO PATCH WALLS TO PREP FOR NEW PAINT.



1CORRIDOR - CONSTRUCTION PLAN

SCALE: 1 : 100

0m2m4m6m8m10m

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PROJECT

HOLY CROSS SECONDARY SCHOOL

108 WOODBINE ROAD, KINGSTON, ON.

DRAWING

GROUND FLOOR - CORRIDOR CONSTRUCTION PLAN

SCALE

1 : 100

PROFESSIONAL SEAL

ONTARIO ASSOCIATION  
OF  
ARCHITECTS  
Rhonda Lorraine Horne-McCorday  
RHONDA LORRAINE HORNE-MCCORDAY  
LICENCE  
6075  
NOT FOR PERMIT OR CONSTRUCTION  
WITHOUT SEAL AND ISSUED NOTE

DRAWN

EM

DATE

FEB 2022

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DRAWING No.

PROJECT No.

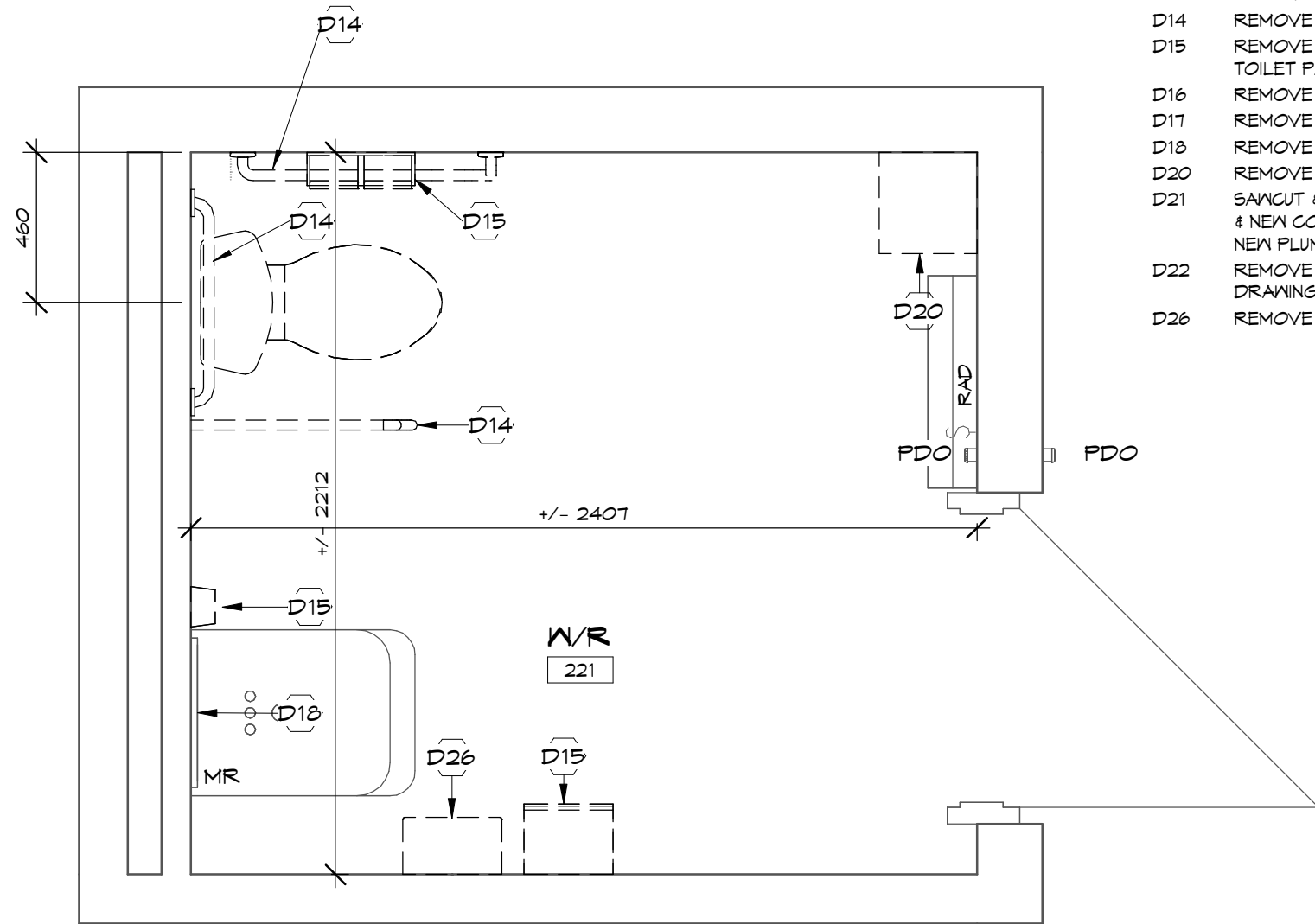
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302



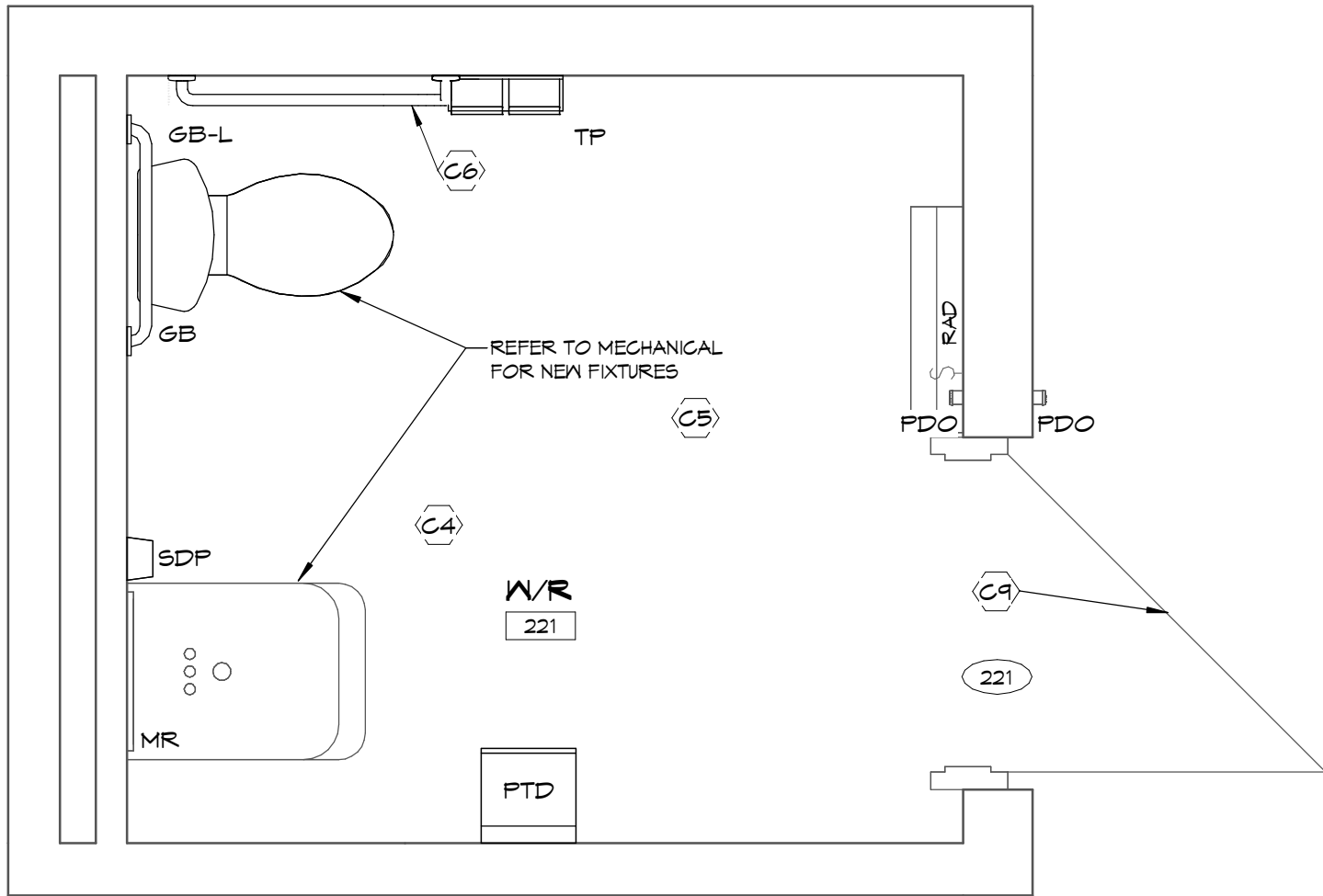
DEMOLITION NOTES

- D1 REMOVE CONCRETE BLOCK WALL.  
D2 NEW OPENING IN CONCRETE BLOCK WALL FOR NEW DOOR REFER TO STRUCTURAL.  
D3 WIDEN OPENING IN CONCRETE BLOCK WALL, FOR NEW DOOR AND FRAME.  
D4 REMOVE WALL MOUNTED BENCH & BRACKETS.  
D5 REMOVE CURB IN FLOOR.  
D6 REMOVE CURTAIN ROD.  
D7 REMOVE GRAB BARS.  
D8 REMOVE WALL MOUNTED FOLDING SHOWER SEAT.  
D9 REMOVE CERAMIC FLOOR TILE & PREP FOR NEW FINISH.  
D10 REMOVE SHOWER REFER TO MECHANICAL.  
D11 REMOVE GB CEILING AS NEEDED FOR WORK IN AREA.  
D12 EXISTING CERAMIC TILE FLOOR TO REMAIN.  
D13 REMOVE EXISTING MOOD SHELVS. TURN OVER TO OWNER FOR REUSE.  
D14 REMOVE WALL MOUNTED GRAB BARS.  
D15 REMOVE SOAP DISPENSER, PAPER TOWEL DISPENSER AND TOILET PAPER DISPENSER.  
D16 REMOVE VINYL FLOORING AND RUBBER BASE.  
D17 REMOVE ACT CEILING AND GRID.  
D18 REMOVE MIRROR.  
D20 REMOVE WALL MOUNTED CUPBOARD.  
D21 SAWCUT & REMOVE FLOOR SLAB FOR PLUMBING REMOVALS & NEW CONNECTIONS (OPEN WALL AS NEEDED TO INSTALL NEW PLUMBING FIXTURES).  
D22 REMOVE EXISTING LIGHT FIXTURE REFER TO ELECTRICAL DRAWINGS.  
D26 REMOVE HAND DRYER.



CONSTRUCTION NOTES

- C1 NEW 16 ABUSE RESISTANT GB CEILING ON METAL CHANNELS @ 400 O.C.  
C2 PATCH AND MAKE GOOD WHERE REMOVALS OCCUR.  
C3 TOOTH IN NEW GB AT NEW OPENINGS.  
C4 PAINT WALLS, EXPOSED CONDUIT, HM DOOR AND HM FRAME INCLUDING BOTH SIDES OF FRAME AND ALL SIDES OF DOOR, REPAINT RADIATOR.  
C5 NEW SHEET VINYL FLOORING AND RUBBER BASE.  
C6 NEW GRAB BARS, SOAP, PAPER TOWEL AND TOILET PAPER DISPENSER. REFER TO DETAIL 4/304 & SPECIFICATIONS.  
C7 PREP FLOOR FOR NEW FLOORING & LEVELER TO ADJUST TO SLOPE TO FLOOR DRAIN.  
C8 PATCH GT FLOOR WHERE PATCH WALL REMOVAL OCCUR WITH GT. REMOVE GT SUFFICIENT TO PIECE IN NEW GT TO MATCH.  
C9 SUPPLY AND INSTALL PUSH TO LOCK KIT AND NEW POWER DOOR OPERATOR TIE TO EXISTING BARRIER-FREE PUSH BUTTONS.  
C10 MODIFY EXISTING CEILING GRID AND TILE FOR REQUIRED STORAGE 121 LAYOUT.  
C11 NEW ACT AND GRID CEILING TO BE INSTALLED AT SAME HEIGHT AS EXISTING: 1/8" 2445.  
C12 LIGHTS REFER TO ELECTRICAL.



NOTES

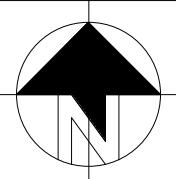
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1 W/R 221 - DEMOLITION PLAN

SCALE: 1 : 20

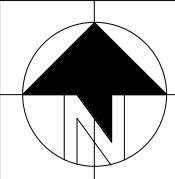
0m 0.4m 0.8m 1.2m 1.6m 2m



2 W/R 221 - CONSTRUCTION PLAN

SCALE: 1 : 20

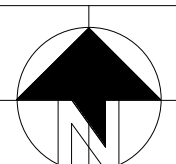
0m 0.4m 0.8m 1.2m 1.6m 2m



3 W/R 221 - DEMOLITION/CONSTRUCTION RCP

SCALE: 1 : 20

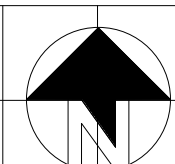
0m 0.4m 0.8m 1.2m 1.6m 2m



4 STOR 127 - CONSTRUCTION PLAN COPY

SCALE: 1 : 20

0m 0.4m 0.8m 1.2m 1.6m 2m



1	RHM	ISSUED FOR TENDER PERMIT & CONSTRUCTION	05/06/22
No.	BY	REVISIONS/SUBMISSIONS	DATE



PROJECT

**HOLY CROSS SECONDARY SCHOOL**

108 WOODBINE ROAD, KINGSTON, ON.

DRAWING

**SECOND FLOOR - W/R 221 PLANS**

SCALE

1 : 20

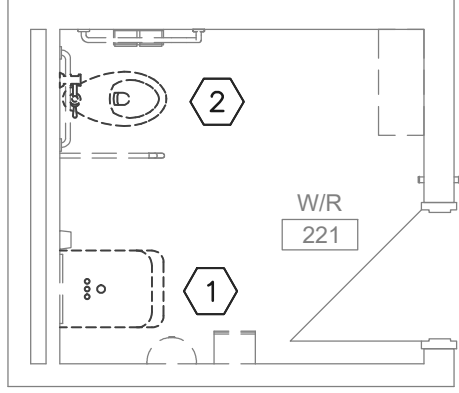
PROFESSIONAL SEAL	DRAWN	DATE
	EM	FEB 2022
	CHECKED	PRINTED
	RHM	05/06/22
	REVIEWED	DRAWING No.
	RHM	
	PROJECT No.	
	22016	<b>303</b>
NOT FOR PERMIT OR CONSTRUCTION WITHOUT SEAL AND ISSUED NOTE		







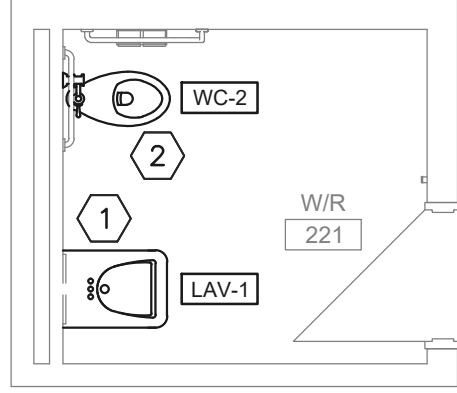




1 2ND FLR WSHRM FLOOR PLAN - DEMO PLUMBING  
M2 SCALE: 1:50

**DEMO WASHROOM PLUMBING  
DRAWING NOTES:**

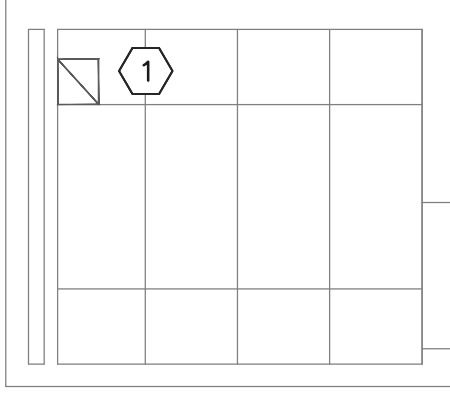
- 1 REMOVE AND DISPOSE OF EXISTING LAVATORY. EXISTING PLUMBING ROUGH-IN TO REMAIN FOR FUTURE TIE-INS.
- 2 REMOVE AND DISPOSE OF EXISTING WATER CLOSET. EXISTING PLUMBING ROUGH-IN TO REMAIN FOR FUTURE TIE-INS.



2 2ND FLR WSHRM FLOOR PLAN - NEW PLUMBING  
M2 SCALE: 1:50

**NEW WASHROOM PLUMBING  
DRAWING NOTES:**

- 1 PROVIDE NEW LAVATORY ONTO EXISTING PLUMBING ROUGH-IN. INSTALL AT A HEIGHT AS DIRECTED BY ARCHITECTURAL DRAWINGS.
- 2 PROVIDE NEW WATER CLOSET ONTO EXISTING PLUMBING ROUGH-IN.



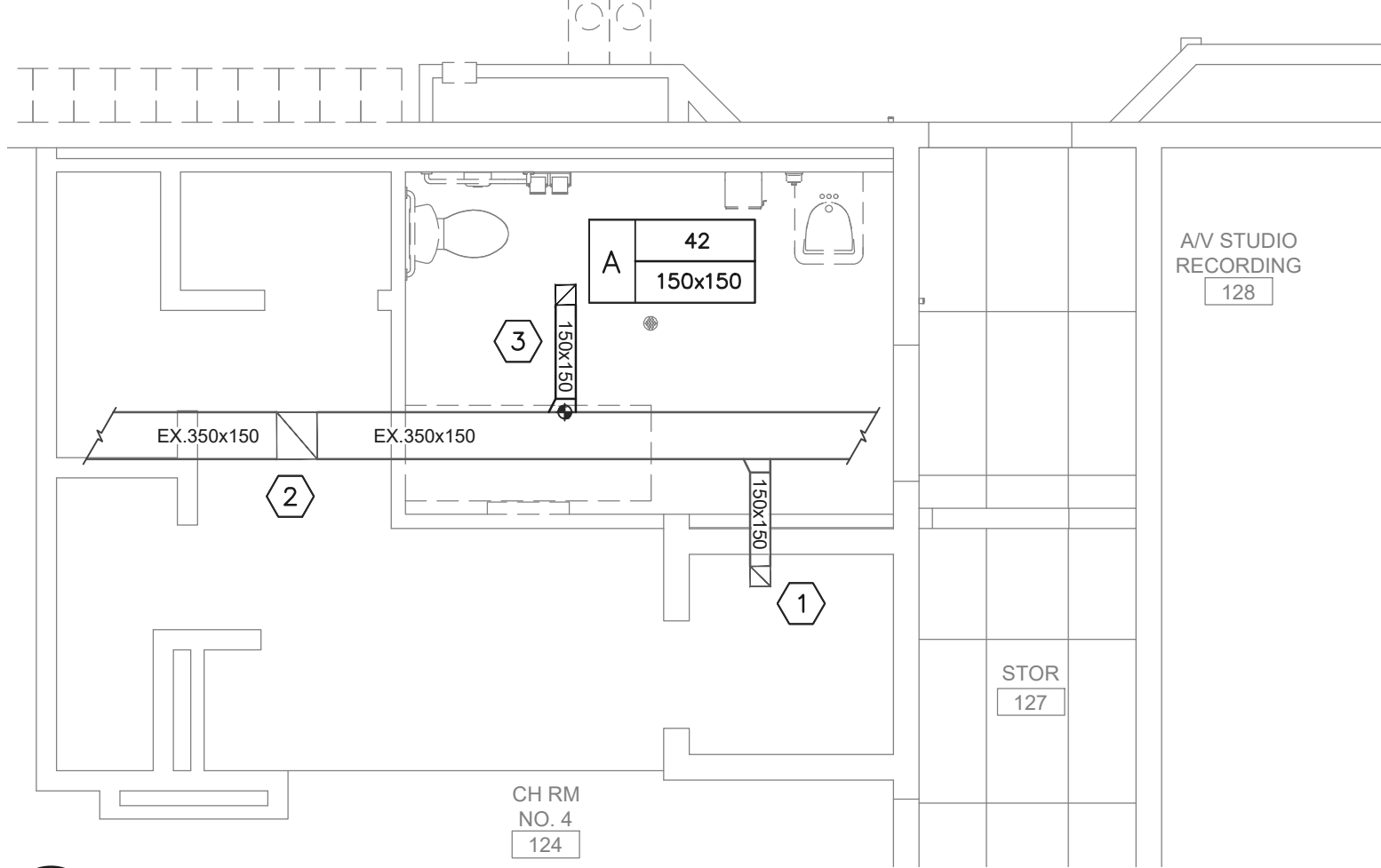
3 2ND FLR WSHRM FLOOR PLAN - NEW HVAC  
M2 SCALE: 1:50

**NEW WASHROOM HVAC  
DRAWING NOTES:**

- 1 REMOVE, CLEAN AND RE-INSTATE EXISTING RETURN GRILLE.

**GENERAL NEW HVAC NOTES:**

- PRIOR TO CONSTRUCTION BALANCER SHALL MEASURE AND RECORD EXISTING EXHAUST AIRFLOW VALUES FROM EXISTING RETURN GRILLES. BALANCER SHALL REPORT FINDINGS BACK TO ENGINEER.



4 WASHROOM FLOOR PLAN - NEW HVAC  
M2 SCALE: 1:50

**NEW WASHROOM HVAC DRAWING NOTES:**

- 1 REMOVE, CLEAN AND RE-INSTATE EXISTING RETURN GRILLE. EXISTING EXHAUST AIRFLOW TO REMAIN.
- 2 REMOVE, CLEAN AND RE-INSTATE EXISTING RETURN GRILLE. REDUCE PRE-CONSTRUCTION EXHAUST AIRFLOW BY 42L/S (90CFM).
- 3 PROVIDE NEW EXHAUST RETURN GRILLE C/W DUCT TAKE-OFF. BALANCE AIRFLOW AS SHOWN.

**GENERAL NEW HVAC NOTES:**

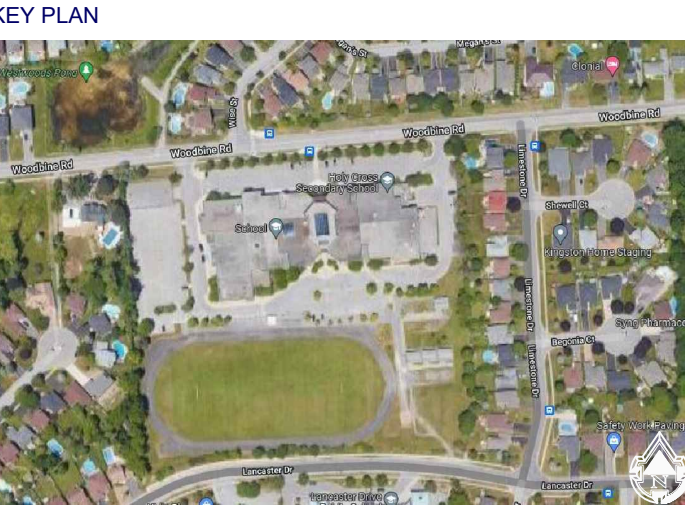
- PRIOR TO CONSTRUCTION BALANCER SHALL MEASURE AND RECORD EXISTING EXHAUST AIRFLOW VALUES FROM EXISTING RETURN GRILLES. BALANCER SHALL REPORT FINDINGS BACK TO ENGINEER.





**NEIVA  
ENGINEERING**

706 NEWMARKET LANE  
KINGSTON, ON, K7K 0C8  
TEL: (613) 766-7114  
WWW.NEIVAENGINEERING.COM

- NOTES:**
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL RELEVANT CODES AND GUIDELINES. THIS INCLUDES, BUT NOT LIMITED TO, THE ONTARIO BUILDING CODE AND ASHRAE STANDARDS.
  2. ALL DRAWINGS AND ADDENDAS ARE TO BE READ AND FOLLOWED IN CONJUNCTION WITH THE SPECIFICATIONS.
  3. ALL EQUIPMENT SHALL BE INSTALLED AS SPECIFIED OR APPROVED EQUIVALENT.
  4. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS PRIOR TO PROCEEDING WITH WORK AND BE RESPONSIBLE FOR SAME.
  5. CONTRACTOR MUST REPORT ANY DISCREPANCIES TO ENGINEER FOR RESOLUTION BEFORE COMMENCING THE WORK.
  6. ANY AND ALL CHANGES MUST BE APPROVED BY THE ENGINEER.



1	ISSUED FOR BP, TENDER & CONSTRUCTION	03.05.2022
REV	DESCRIPTION	DD.MM.YYYY



PROJECT TITLE

**HOLY CROSS  
SECONDARY SCHOOL  
CHANGE ROOM RENO**

108 WOODBINE ROAD,  
KINGSTON, ON

DRAWING TITLE

**PLUMBING & HVAC  
LAYOUTS**

DESIGNED/DRAWN BY

**F. MENDES**

APPROVED BY

**F. MENDES**

PROJECT DATE

**04/04/2022** (DD/MM/YYYY)

PROJECT #	DRAWING SCALE
<b>NE-2022-002</b>	<b>AS SHOWN</b>

DRAWING #

**401**



SPECIFICATIONS

GENERAL

SUPPLY ALL LABOUR, EQUIPMENT AND MATERIALS NECESSARY TO INSTALL COMPLETE AND OPERATIONAL, THE ELECTRICAL SYSTEMS HEREIN DESCRIBED AND SHOWN ON THE DRAWINGS. WHERE THE TERM "PROVIDE" IS USED IT SHALL BE UNDERSTOOD TO INCLUDE ALL LABOUR, MATERIALS AND SERVICES NECESSARY TO SUPPLY AND INSTALL ITEMS OR WORK REFERRED DRAWN OR DESCRIBED.

CODES AND STANDARDS

ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES INCLUDING BUT NOT LIMITED TO:

- ONTARIO BUILDING CODE CURRENT REVISION (REFERRED TO AS OBC HEREAFTER)
- CURRENT VERSION OF THE ONTARIO ELECTRICAL SAFETY CODE INCLUDING ALL AMENDMENTS AND RELEVANT BULLETINS (REFERRED TO AS OESC HEREAFTER).
- CSA 524 CURRENT REVISION
- NFPA 72

PERMITS, FEES AND INSPECTIONS

THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ELECTRICAL INSPECTION CERTIFICATE FOR WORK. THE ELECTRICAL CONTRACTOR SHALL INFORM A2FL ENGINEERING (A2FL HEREAFTER) OF ANY DEFICIENCIES FOUND BY THE ELECTRICAL SAFETY AUTHORITY. A COPY OF THE ELECTRICAL INSPECTION CERTIFICATE SHALL BE FORWARDED TO A2FL ENGINEERING UPON COMPLETION OF THE WORK.

SITE EXAMINATION

EXAMINE THE SITE OF WORK AND BECOME FAMILIAR WITH ALL STRUCTURES AFFECTING THIS WORK. REPORT TO THE ENGINEER ANY UNSATISFACTORY CONDITIONS WHICH MAY AFFECT PROPER COMPLETION OF THIS WORK. NO ADDITIONAL COMPENSATION WILL BE GIVEN FOR EXTRA WORK DUE TO EXISTING CONDITIONS, WHICH SUCH EXAMINATION WOULD REVEAL.

SHOP DRAWINGS

PRIOR TO DELIVERY OF ANY PRODUCTS TO THE SITE AND ADEQUATELY IN ADVANCE TO PERMIT SUFFICIENT TIME FOR CHECKING, SUBMIT SHOP DRAWINGS FOR REVIEW OF REQUIREMENTS AS SPECIFIED.

SHOP DRAWINGS SHALL BE SUBMITTED FOR THE FOLLOWING LIST OF MATERIALS. A2FL RESERVES THE RIGHT TO REQUIRE SUBMISSION OF SHOP DRAWINGS FOR ADDITIONAL MATERIALS NOT LISTED BELOW. ONLY SHOP DRAWINGS LISTED OR REQUESTED WILL BE REVIEWED BY A2FL.

- LUMINAIRES
- EMERGENCY LIGHT FIXTURES
- EXIT SIGNS
- FIRE ALARM CONTROL PANEL AND DEVICES

MANUFACTURE OF PRODUCTS SHALL CONFORM TO REVIEWED SHOP DRAWINGS. KEEP ONE COMPLETE SET OF REVIEWED SHOP DRAWINGS AT THE JOB SITE DURING CONSTRUCTION.

MATERIALS

ALL MATERIALS SUPPLIED SHALL BE NEW AND SHALL CONFORM IN ALL RESPECTS TO THE DRAWINGS AND SPECIFICATIONS. SUPPLIED MATERIAL SHALL ALSO BE CSA OR ULC APPROVED.

PERMITTED CONDUCTORS AND CABLES

ALL WIRING SHALL BE COPPER UNLESS INDICATED OTHERWISE.

MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG.

TYPE AC-90 SHALL BE USED FOR RUN-OUTS TO FIXTURES AND CONCEALED IN WALLS. WHERE AC-90 USED IN WALLS THE TOTAL MAXIMUM HORIZONTAL LENGTH SHALL BE 6M.

TYPE TECK-90 FLEXIBLE ARMoured CABLE TO CSA NO. 131.

TYPE R90 OR T90 SINGLE CONDUCTOR TO CSA 22.2 NO.38. PROVIDE SEPARATE CODE SIZED INSULATED GROUND CONDUCTOR FOR CIRCUITS RUN IN CONDUIT.

CABLE INSTALLATION

BRANCH CIRCUIT WIRE SIZES INDICATED ON ANY EQUIPMENT

SCHEDULES ARE RATED ON 90°C, WHERE EQUIPMENT IS MARKED WITH A MAXIMUM CONDUCTOR TERMINATION TEMPERATURE, REVISE WIRE SIZE AS PER 4-006 OF OESC.

WIRING PENETRATING ANY HORIZONTAL OR VERTICAL ASSEMBLY REQUIRED TO HAVE A FIRE-RESISTANCE RATING SHALL BE IN ACCORDANCE WITH THE LOCAL BUILDING CODE. CONDUITS OR CABLES SHALL BE TIGHTLY FITTED AND FIRE STOPPED WHERE NECESSARY TO MAINTAIN FIRE RATING.

PROVIDE GROUND WIRE IN ALL CONDUITS.

PROVIDE SEPARATE NEUTRAL CONDUCTOR FOR EACH ISOLATED GROUND CIRCUIT. CONNECT INSULATED ISOLATED GROUND CONDUCTORS DIRECTLY TO ISOLATED GROUND PAD IN PANEL.

AC-90 SHALL NOT BE USED TO DAISY CHAIN FIXTURES TOGETHER UNLESS THEY ARE LESS THAN 8' APART AND IN THAT INSTANCE, THE AC-90 SHALL BE SECURED TO THE BUILDING STRUCTURE BETWEEN FIXTURES.

NMD-90 SHALL NOT BE ACCEPTED. IF DISCOVERED ON-SITE THE CONTRACTOR SHALL REMOVE ALL NMD-90 WIRING AT CONTRACTOR'S EXPENSE.

WIRING DEVICES

SWITCHES AND RECEPTACLES SHALL BE CONVENTIONAL STYLE, WHITE. ALL COVER PLATES SHALL BE BRUSHED STAINLESS STEEL IN FINISHED AREAS.

RECEPTACLES SHALL BE COMMERCIAL GRADE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE RECEPTACLE HEIGHT WITH ALL MILLWORK. REFER TO ARCHITECTURAL DRAWINGS FOR MILLWORK LOCATIONS AND DETAILS.

COMMERCIAL GRADE RECEPTACLES WITH USB CHARGERS SHALL HAVE ONE TYPE A AND ONE TYPE C OUTLETS AND MINIMUM 25W CHARGER. LEVITON T5633-W (15A), OR LEVITON T5833-W (20A T-SLOT), OR EQUAL.

SWITCHES SHALL BE COMMERCIAL GRADE, 20A, QUIET ACTION. OTHER SPECIFICATIONS AS NOTED IN SYMBOL LEGEND.

GROUND FAULT CIRCUIT INTERRUPTING (GFCI) DUPLEX RECEPTACLES SHALL BE COMMERCIAL GRADE. ALL RECEPTACLES WITHING 3.5M OF A SINK OR WASHBASIN SHALL BE GFCI RECEPTACLES.

LUMINAIRES OR LIGHT FIXTURES

LED LIGHT FIXTURES TO CSA 22.2 NO 250. EMERGENCY LIGHTING TO CSA 22.2 NO 141. EXIT SIGNS TO CSA-C860. PROVIDE LIGHT FIXTURES AS DESCRIBED IN THE LIGHT FIXTURE SCHEDULE IN THE LOCATIONS SHOWN ON THE DRAWINGS.

OUTLET BOXES

STAMPED GALVANIZED SHEET STEEL TO CSA C22.2 NO.18. SIZE AND ACCESSORIES TO SUIT APPLICATION. PLASTER RINGS SCREWED TO STUDS SHALL NOT BE ACCEPTED FOR DATA OUTLETS.

PULL BOXES AND JUNCTION BOXES

GALVANIZED OR PRIME PAINTED SHEET STEEL TO CSA C22.2 NO.40. SIZE AND ACCESSORIES TO SUIT APPLICATION.

CONDUIT

ELECTRIC METALLIC TUBING TO CSA C22.2 NO.83 WITH SET SCREW CONNECTORS. MINIMUM CONDUIT SIZE IS 21MM.

FIRE ALARM SYSTEM

ALL COMPONENTS SHALL BE ULC AND CSA LISTED. FIRE ALARM SHALL BE INSTALLED IN ACCORDANCE WITH CAN/ULC-S-524-01. FIRE ALARM CABLE SHALL MEET CSA C22.2 NO.208. INSTALLATION SHALL COMPLY WITH ALL CODES AND REGULATIONS INCLUDING BUT NOT LIMITED TO THE CURRENT REVISIONS OF THE OESC AND OBC.

LIGHTING POLES

ROUND PAINTED STEEL LIGHTING POLES TO CSA C22.2 NO 206. PROVIDE A TENON TOPPED POLE WHERE NECESSARY TO

ACCOMMODATE A MAST OR SLIP FITTER.

TELEPHONE AND DATA OUTLETS

PROVIDE 100 X 100 X 54MM OUTLET BOXES COMPLETE WITH PLASTER RING AND 21MM CONDUIT C/W PULL STRING TO ACCESSIBLE CEILING SPACE UNLESS OTHERWISE INDICATED ON DRAWINGS. CABLING AND WIRING ARE BY OTHERS.

SECURITY AND ACCESS CONTROL SYSTEMS

PROVIDE 100 X 100 X 54MM OUTLET BOXES COMPLETE WITH PLASTER RING AND 21MM CONDUIT C/W PULL STRING TO ACCESSIBLE CEILING SPACE UNLESS OTHERWISE INDICATED ON DRAWINGS. CABLING AND WIRING ARE BY OTHERS.

P.A SYSTEM

P.A EQUIPMENT PROVIDED SHALL BE COMPATIBLE WITH EXISTING P.A SYSTEM. CABLING AND WIRING ARE BY OTHERS.

Installation

DO COMPLETE INSTALLATION IN ACCORDANCE WITH OESC CURRENT REVISION, CAN/ULC S-524-01, CSA 22.2.1 AND THE ONTARIO BUILDING CODE CURRENT REVISION.

PROTECTION AND REPAIR

TAKE ALL NECESSARY PROVISIONS TO ENSURE THE SAFETY OF OCCUPANTS AND PERSONNEL. PROTECT FINISHED AND UNFINISHED WORK FROM DAMAGE RESULTING FROM ON-GOING WORK. PROVIDE FULL DUST PROTECTION AND KEEP EQUIPMENT DRY AND CLEAN AT ALL TIMES. PROTECT EXISTING SERVICES NOT INCLUDED IN SCOPE OF WORK. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, AT NO COST TO THE OWNER, ANY DAMAGES TO SURFACES AND FINISHES CAUSED DIRECTLY OR INDIRECTLY AS A RESULT OF HIS WORK.

CUTTING AND PATCHING

GET WRITTEN APPROVAL FROM THE OWNER FOR ANY REQUIRED CUTTING. COORDINATE WITH GENERAL CONTRACTOR TO PERFORM ALL CUTTING/CORE DRILLING AND PATCHING FOR ELECTRICAL INSTALLATIONS.

RENOVATIONS IN EXISTING BUILDING REMOVE ALL EXISTING WIRE, OUTLETS, JUNCTION BOXES, LUMINAIRES, SWITCHES, RECEPTACLES, ETC NOT REQUIRED FOR THE RENOVATED LAYOUT SHOWN. ALL EQUIPMENT REMOVED AND NOT REUSED SHALL BECOME THE PROPERTY OF THE OWNER. UNLESS OTHERWISE NOTED, ALL EQUIPMENT INSTALLED IN RENOVATED AREAS SHALL BE NEW. ALL WIRING SHALL BE INSTALLED CONCEALED.

PROVIDE NEW BREAKERS WHERE REQUIRED IN EXISTING PANELS TO PICK UP ADDITIONAL CIRCUITS INDICATED ON THE DRAWINGS. EXISTING BREAKERS MAY BE REUSED IN EXISTING PANELS WHEREVER POSSIBLE.

ALL EXISTING LUMINAIRES THAT REMAIN SHALL BE PUT IN GOOD OPERATING CONDITION. PROVIDE NEW LAMPS AND BALLASTS AND CLEAN ALL LENSES AS REQUIRED.

GROUNDING/BONDING

PROVIDE GROUNDING AND BONDING IN ACCORDANCE WITH SECTION 10 OF THE ONTARIO ELECTRICAL SAFETY CODE. CURRENT REVISION. BONDING CONDUCTORS SHALL BE SIZED AS PER TABLE 16 OF THE ONTARIO ELECTRICAL SAFETY CODE. WHERE NECESSARY, COORDINATE GROUNDING REQUIREMENTS WITH LOCAL AUTHORITIES.

EQUIPMENT LOCATIONS

CONSULT WITH THE OWNER AND ALL OTHER SUBTRADES INVOLVED TO CONFIRM THE LOCATIONS OF THE VARIOUS OUTLETS AND EQUIPMENT AND COOPERATE FULLY TO ENSURE THAT NO CONFLICT ARISES DURING THE INSTALLATION.

FIRE ALARM INSTALLATION

CABLES SHALL BE INSTALLED IN CONDUIT, THE CONDUIT HAVE A RED PAINTED STRIP EVERY 3M/10FT.

FOLLOWING COMPLETION OF THE FIRE ALARM INSTALLATION, ARRANGE AND PAY FOR INSPECTION AND OPERATIONAL TESTS ON EACH SYSTEM COMPONENT IN CONFORMANCE WITH CAN/ULC-S537-04. UPON COMPLETION OF THE INSPECTION ISSUE TO THE ENGINEER:

- COPY OF THE INSPECTING TECHNICIAN'S REPORT.
- "CERTIFICATE OF VERIFICATION"

IDENTIFICATION

COMPLETE CIRCUIT DIRECTORY AT PANELBOARDS. DIRECTORY ENTRIES SHALL BE TYPED AND NOT HAND WRITTEN.

CLOSE OUT DOCUMENTATION

SUBMIT ONE COPY OF THE ELECTRICAL INSPECTION CERTIFICATE TO A2FL ENGINEERING  
SUBMIT THREE (3) COPIES OF ELECTRICAL OPERATING AND MAINTENANCE MANUALS AT CONCLUSION OF WORK. MANUALS SHALL BE ASSEMBLED IN HARD COVERED 3-RING BINDERS AND SHALL INCLUDE THE FOLLOWING:

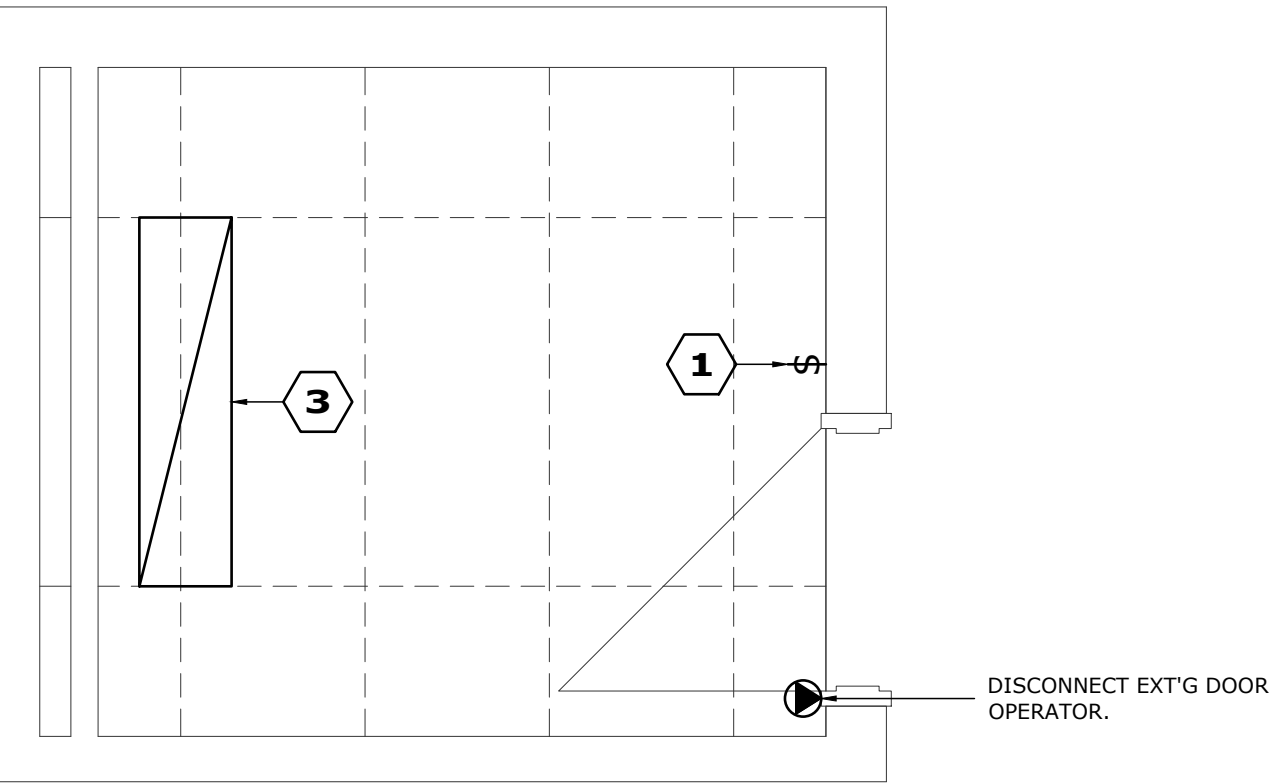
- STATEMENT OF WARRANTY
- REVIEWED SHOP DRAWINGS INSTALLATION AND MAINTENANCE INFORMATION FOR ALL EQUIPMENT, INCLUDING NAMES AND ADDRESSES OF NEAREST SUPPLIERS.
- ELECTRICAL INSPECTION CERTIFICATE
- TWO (2) SETS OF AS-BUILT DRAWINGS PRINTED ON WHITE PAPER, CAREFULLY MARKED UP IN RED PEN TO SHOW ALL ACTUAL DEVIATIONS FROM WORKING DRAWINGS. INDICATE ACTUAL LOCATION AND CIRCUIT NUMBERS FOR ALL DEVICES.
- PDF SCAN OF THE AS-BUILT DRAWINGS
- PROVIDE COPY OF ELECTRICAL SINGLE LINE DIAGRAM ON 24"x36" SHEET MOUNTED UNDER LEXAN NEAR SERVICE ENTRANCE.

GUARANTEES

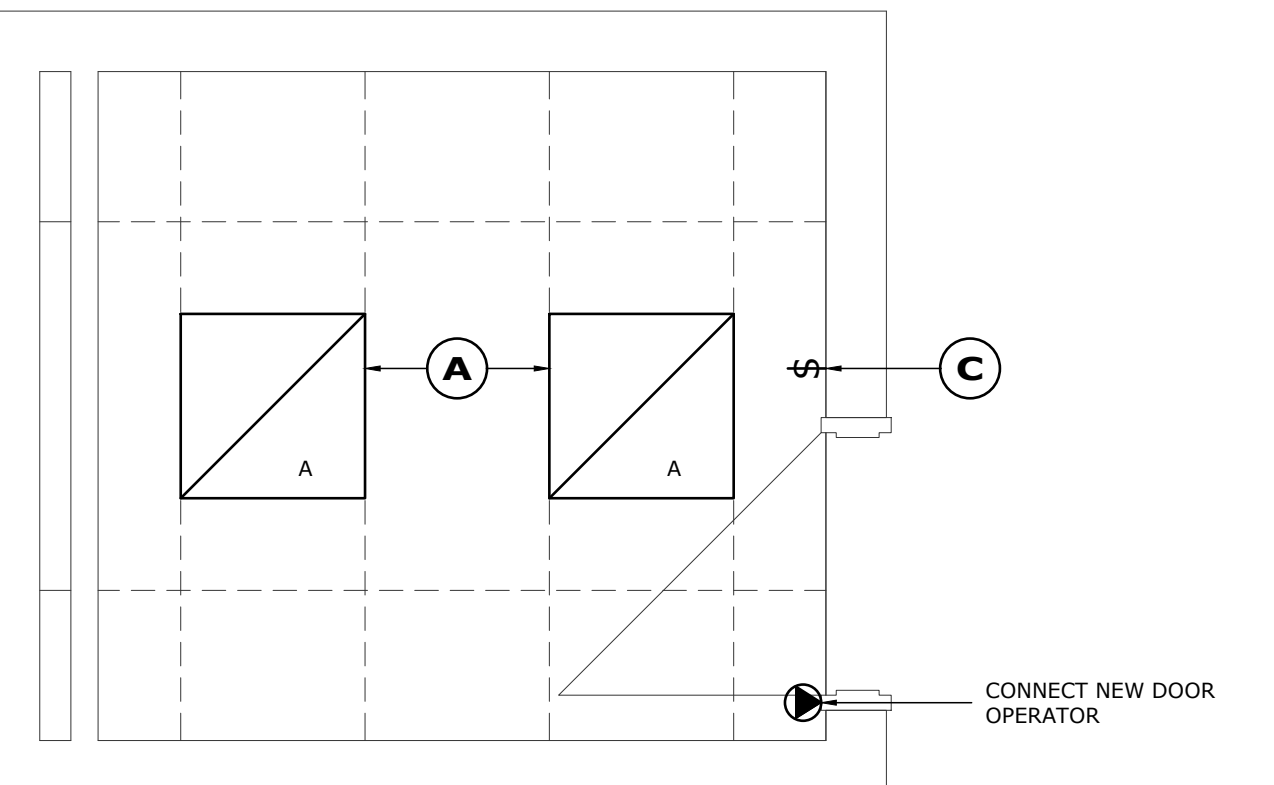
GUARANTEE ALL WORK FOR ONE YEAR FOLLOWING THE DAY OF FINAL ACCEPTANCE BY THE OWNER. THIS GUARANTEE SHALL INCLUDE WORK AND MATERIALS FOR ALL PROBLEMS RESULTING FROM IMPROPER INSTALLATION OR EQUIPMENT FAILURE OR DEFECTS.

DEMOLITIONS NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF DEMOLITION ACTIVITIES.
2. DISCONNECT, CAP OFF AND MAKE SAFE ALL CIRCUITS AFFECTED BY DEMOLITION ACTIVITIES.
3. BACKFEED CIRCUITS INTERRUPTED BY REMOVALS.



2 500 2nd Floor W/C - Ext'g Conditions SCALE: 1:25



3 500 2nd Floor W/C - New Conditions SCALE: 1:25

ABBREVIATIONS AND ACRONYMS	
ABB.	DEFINITION
A AMPS	AMPERES
AF	FUSE RATING FOR FUSED SAFETY SWITCH
AFF	ABOVE FINISHED FLOOR
A/C	AIR CONDITIONER
CCT	CIRCUIT
CON. OR C.	CONDUIT
CRI	COLOUR RENDERING INDEX
C.T.	CURRENT AND PHASE TRANSFORMER CABINET
C/W	COMPLETE WITH
DIA	DIAMETER
EV	ELECTRIC VEHICLE
EXT'G	EXISTING
K	KELVIN (LIGHT TEMPERATURE)
LS	LIGHT STANDARD (POLE MOUNTED LIGHT)
RCPT	RECEPTACLE
SN	SOLID NEUTRAL BUS (SAFETY SWITCH)
V OR VAC	VOLTS
UF	UNFUSED
WP	WEATHER-PROOF
Ø	PHASE

LIGHT FIXTURE SCHEDULE				
TYPE	DESCRIPTION	STANDARD OF ACCEPTANCE	WATTS	NOTES
A	NOMINAL 2X2' RECESSED LED PANEL LUMINAIRE, EXTRUDED ALUMINUM CONSTRUCTION, WHITE POLYESTER POWDERCOAT FINISH, 3500 LUMENS, 3500K, 80 CRI.	LITHONIA LIGHTING CPX 2X2 3200LM 35K M4	31	1,2

NOTES:

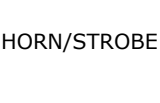
1. PROVIDE DRYWALL MOUNTING KIT IN GYPSUM WALLBOARD CEILINGS.
2. SUBMIT FOR EQUAL STATUS BEFORE QUESTIONS CLOSE. EQUAL STATUS SHALL BE CONFIRMED BY ADDENDUM ONLY. LIGHT FIXTURES THAT HAVE NOT BEEN CONFIRMED AS AN EQUAL SHALL NOT BE ACCEPTED FOR THIS LIGHT FIXTURE.

STANDARD OF ACCEPTANCE:

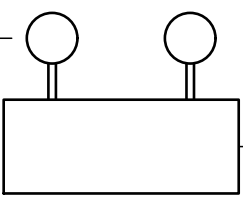
EQUIVALENT FIXTURES SHALL EQUAL OR EXCEED THE LIGHT FIXTURE LISTED IN ALL RESPECTS (LUMEN OUTPUT SHALL BE WITHIN +/-10%). EQUIVALENT FIXTURES SHALL BE EVALUATED DURING SHOP DRAWING REVIEW EXCEPT WHERE NOTED THAT SUBMISSION FOR EQUAL STATUS MUST BE MADE. (SEE NOTES).



150



2300



BATTERY PACK

2440

RECEPTACLES

100

COUNTER-TOP SPLASHBACK

LIGHT SWITCHES, VACUUM SENSORS, USB CHARGING OUTLETS IN BEDROOMS

PULL STATIONS

1100

DATA/TELEPHONE JACKS OR RECEPTACLES

457

1200

1 500 Device Mounting Heights SCALE: 1:10

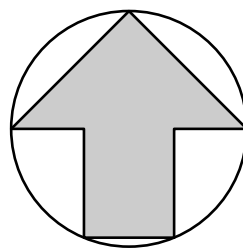
**A2FL**  
ENGINEERING  
*A 2FL OF THINGS ONTARIO LTD*

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**DO NOT SCALE DRAWINGS**  
The A2FL 22mm CONDUIT is intended to be reduced from the original. Check and verify all dimensions and report any discrepancies to the consultant.

**IF IN DOUBT ASK...**



PROFESSIONAL SEAL

Legend

1	WALL MOUNTED SWITCH, 20A, VOLTAGE RATING TO MATCH SYSTEM VOLTAGE, COMMERCIAL GRADE, TOGGLE STYLE, C/W NYLON COVERPLATE. SUBSCRIPTS DENOTE THE FOLLOWING: 3 - THREE WAY SWITCH 4 - FOUR WAY SWITCH D - DIMMER K - KEYSWITCH T - TIMED SWITCH, 0-60 MINUTES
1	CEILING MOUNTED OCCUPANCY SENSOR, PASSIVE INFRARED AND ULTRASONIC SENSING.
1	WALL MOUNTED OCCUPANCY SENSOR, SUBSCRIPTS ARE AS PER THE CEILING MOUNTED OCCUPANCY SENSOR.
1	CORNER MOUNTED OCCUPANCY SENSOR, SUBSCRIPTS ARE AS PER THE CEILING MOUNTED OCCUPANCY SENSOR.
1	RECEPTACLE, 120V, 15A, 5-15R, COMMERCIAL GRADE, U-GROUNDED, SUBSCRIPTS DENOTE THE FOLLOWING: AF - ARC FLASH PROTECTED GFI - GROUND FAULT CIRCUIT INTERRUPTER 20A - 5-20R, 20A USB - TYPE A AND TYPE C USB CHARGING SLOT INTEGRATED IN RECEPTACLE
1	HARDWIRED EQUIPMENT CONNECTION
1	HEAT DETECTOR, ADDRESSABLE, FIXED POINT & RATE OF RISE DETECTION, FIRE RESISTANT HIGH-IMPACT PLASTIC CONSTRUCTION, ADJUSTABLE SENSITIVITY. FP - FIXED POINT ROR - RATE OF RISE

Notes:

1	REMOVE EXISTING DEVICE
2	REMOVE EXISTING DEVICE AND REINSTATE IN NEW CEILING
3	REMOVE EXISTING LUMINAIRE AND TURN OVER TO OWNER
A	NEW DEVICE
B	REINSTATE EXISTING DEVICE IN NEW CEILING
C	REPLACE EXT'G DEVICE
D	NEW LUMINAIRE, POWER FROM EXISTING SWITCHLEG

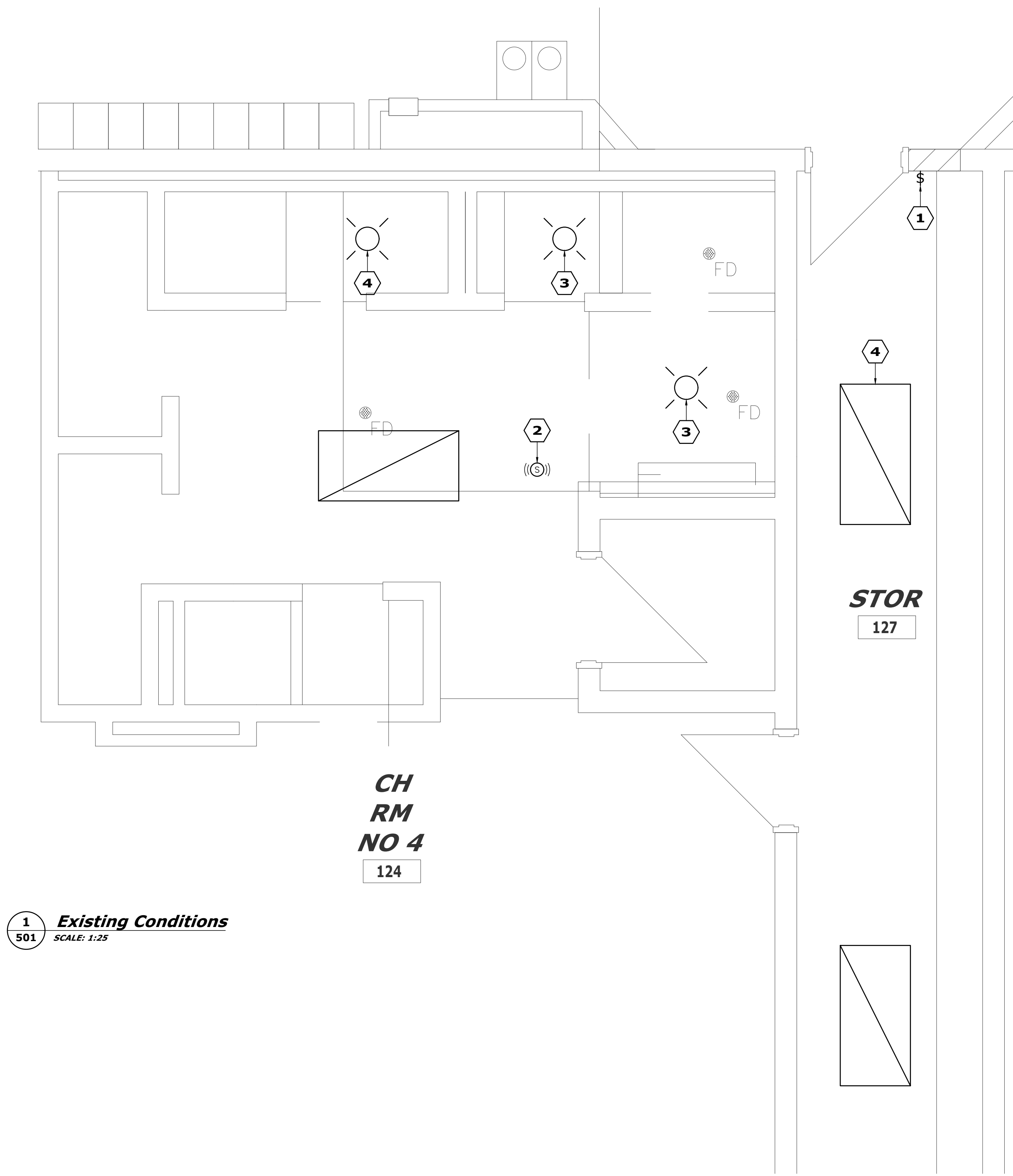
1	Issued for Permit & Construction	2022.05.04
Rev	Revision	YYYY.MM.DD

**Holy Cross  
Secondary School  
Renovation**  
**1085 Woodbine Road  
Kingston, ON  
K7P 2V9**

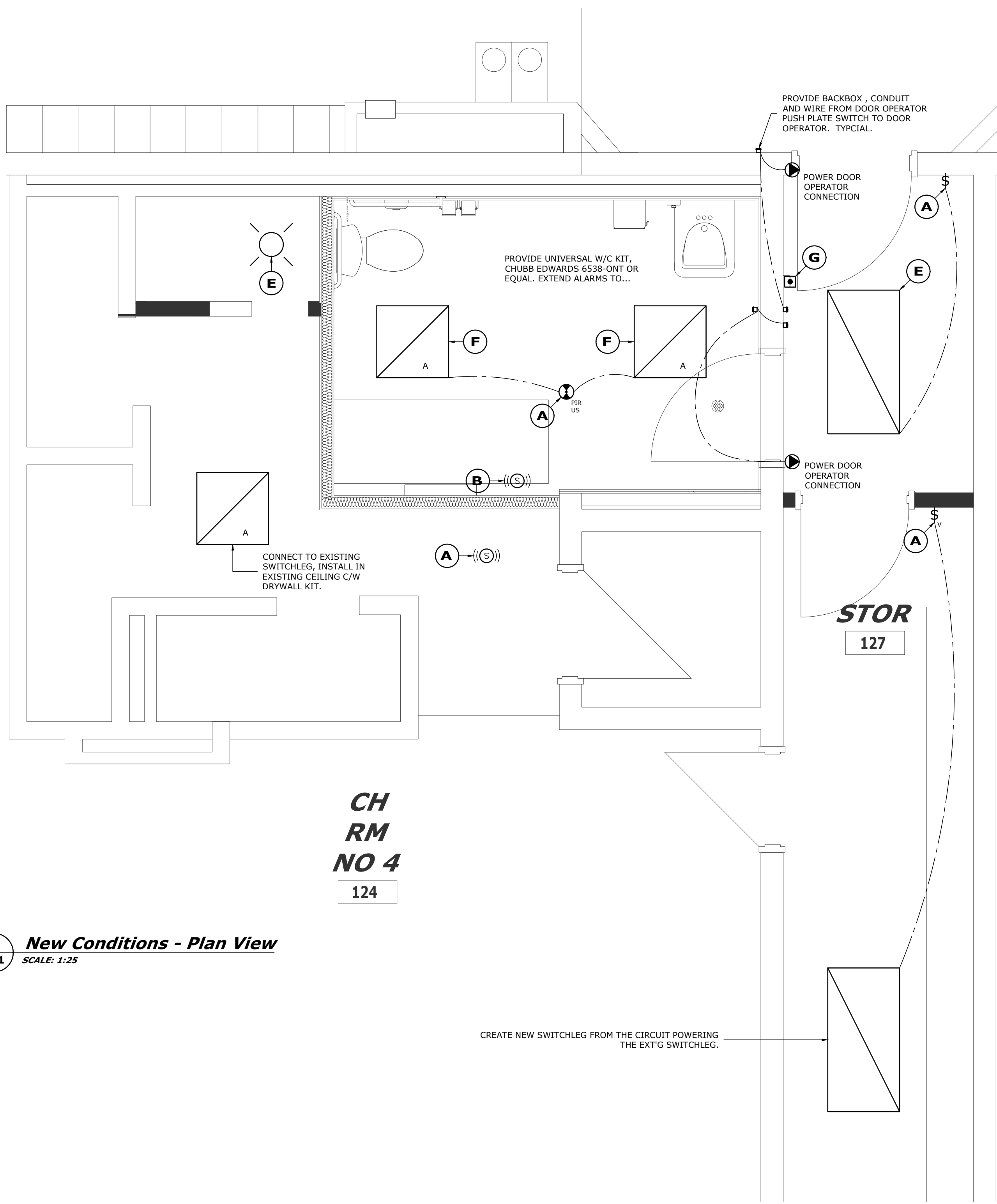
**Specifications  
Details  
Schedules**

DESIGNED BY	DM	DRAWN BY	DM
CLIENT PROJECT NUMBER	22016	500	
DATE PROJECT NUMBER	22013		

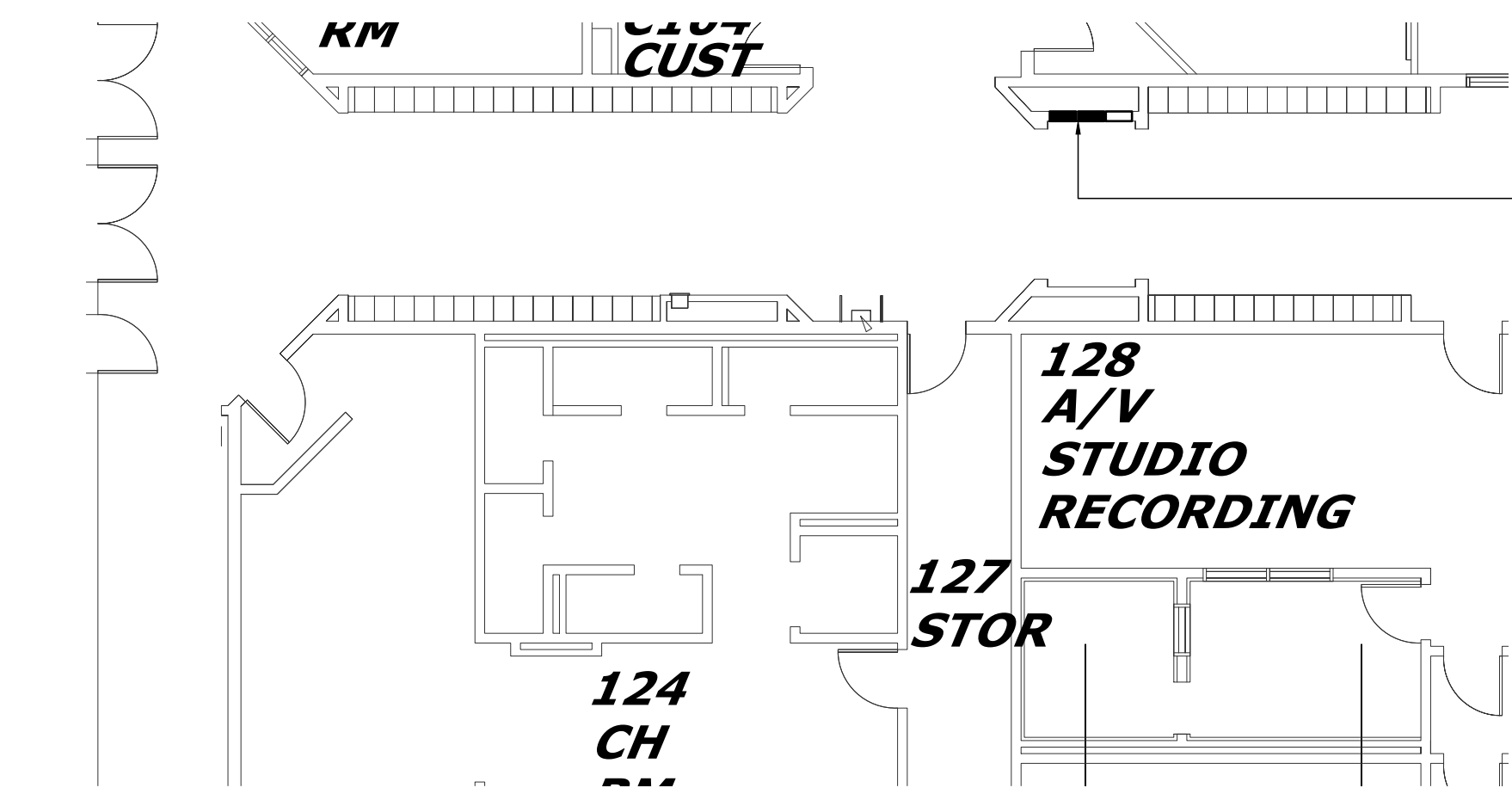




1 Existing Conditions  
SCALE: 1:25



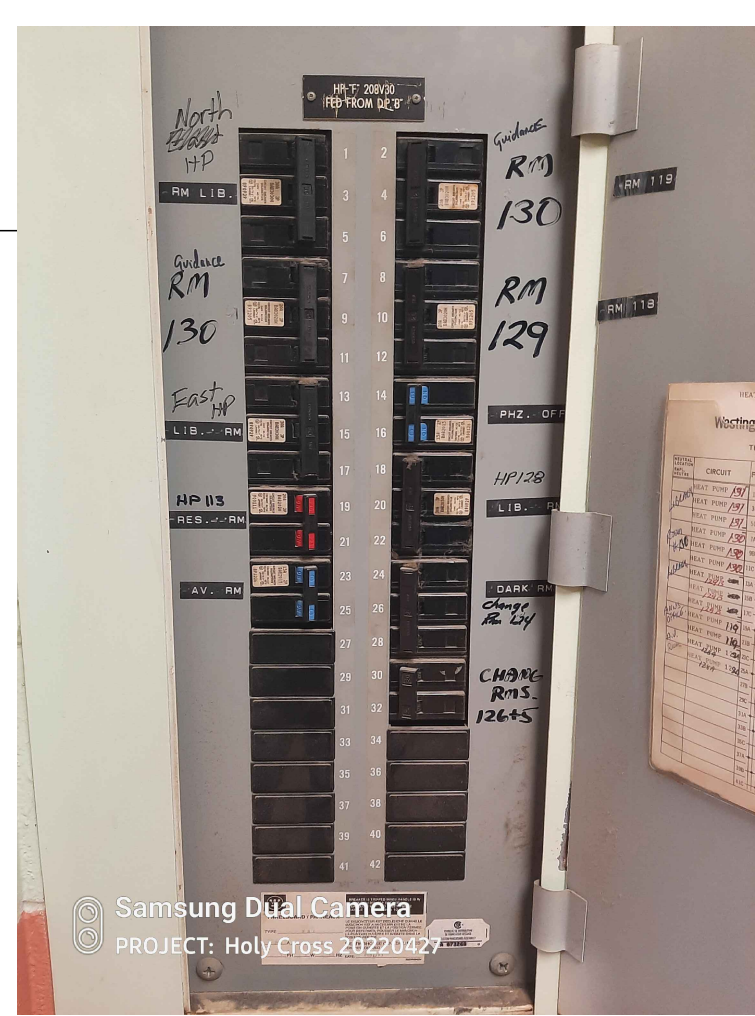
2 New Conditions - Plan View  
SCALE: 1:25



3 Panel Locations (LP-F & LP-N)  
SCALE: 1:50



4 Panel LP-N  
NOT TO SCALE



5 Panel LP-F  
NOT TO SCALE



5 Panels' Brand and Ratings  
NOT TO SCALE

**A2FL**  
ENGINEERING  
A DIV. OF HARVEY DUNSTON LTD

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**IF IN DOUBT ASK...**

PROJECT NORTH

PROFESSIONAL SEAL

**Legend**  
\$ WALL MOUNTED SWITCH, 20A, VOLTAGE RATING TO MATCH SYSTEM VOLTAGE, COMMERCIAL GRADE, TOGGLE STYLE, C/W NYLON COVERPLATE. SUBSCRIPTS DENOTE THE FOLLOWING:  
3 - THREE WAY SWITCH  
4 - FOUR WAY SWITCH  
D - DIMMER  
K - KEYED SWITCH  
T - TIMED SWITCH, 0-60 MINUTES  
PIR US CEILING MOUNTED OCCUPANCY SENSOR, PASSIVE INFRARED (PIR) AND ULTRASONIC SENSING (US).  
PIR US WALL MOUNTED OCCUPANCY SENSOR, SUBSCRIPTS ARE AS PER THE CEILING MOUNTED OCCUPANCY SENSOR.  
PIR US CORNER MOUNTED OCCUPANCY SENSOR, SUBSCRIPTS ARE AS PER THE CEILING MOUNTED OCCUPANCY SENSOR.  
RECEPTACLE, 120V, 15A, 5-15R, COMMERCIAL GRADE, U-GROUNDED, SUPERSCRIPTS DENOTE THE FOLLOWING:  
AF - ARC FLASH PROTECTED  
GFI - GROUND FAULT CIRCUIT INTERRUPTER  
20A - 5-20R, 20A  
USB - TYPE A AND TYPE C USB CHARGING SLOT INTEGRATED IN RECEPTACLE  
HARDWIRED EQUIPMENT CONNECTION  
WALL MOUNTED MAGNETIC DOOR HOLDER  
HEAT DETECTOR, ADDRESSABLE, FIXED POINT & RATE OF RISE DETECTION, FIRE RESISTANT HIGH-IMPACT PLASTIC CONSTRUCTION, ADJUSTABLE SENSITIVITY.  
FP - FIXED POINT  
ROR - RATE OF RISE  
PUBLIC ADDRESS SPEAKER C/W BACK BOX, SPEAKER AND FLUSH MOUNTED COVER.  
**Notes:**  
1 REMOVE EXISTING DEVICE  
2 REMOVE EXISTING DEVICE AND REINSTATE IN NEW CEILING  
3 REMOVE LUMINAIRE AND TURN OVER TO OWNER.  
4 RELOCATE EXT'G LUMINAIRE  
A NEW DEVICE  
B REINSTATE EXISTING DEVICE IN NEW CEILING  
C REPLACE EXT'G DEVICE  
D NEW LUMINAIRE, POWER FROM EXISTING SWITCHLEG  
E RELOCATED EXT'G LUMINAIRE, POWER FROM EXT'G SWITCHLEG.  
F NEW LUMINAIRE, PROVIDE POWER FROM NEW BREAKER IN PANEL LP-N.  
G PROVIDE NEW MAGNETIC DOOR HOLDER, CONNECT TO EXISTING FIRE ALARM CONTROL PANEL.  
PROVIDE TWO NEW B REAKERS IN PANEL LP-F OR LP-N. EXTEND ONE CIRCUIT TO THE TWO NEW DOOR OPERATORS. THE SECOND CIRCUIT SHALL BE USED TO POWER THE NEW UNIVERSAL W/C LIGHTS. IT MAY BE EXTENDED TO THE LIGHTING FOR STOR 127 IF THE CIRCUIT OF THE EXISTING SWITCHLEG IS NOT ACCESSIBLE.

1	Issued for Permit & Construction	2022.05.04
Rev	Revision	YYYY.MM.DD
<b>Holy Cross Secondary School Renovation</b>		
<b>1085 Woodbine Road Kingston, ON K7P 2V9</b>		
<b>1st Floor Universal W/C Existing Conditions New Conditions</b>		
DRAWING TITLE		
CHECKED BY	DM	CHECKED BY
22016		22013
22013		501