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ADDENDUM #2

of pages: 4 + # attachments

PROJECT: Thousand Islands Secondary School
HVAC Replacement & Upgrades
PROJ. NO.: 24078
DATE: April 29, 2026

The following information supplements and/or supersedes the documents issued on April 9, 2026. This addendum forms part of the contract documents and is to be read, interpreted, and coordinated with all other parts. The cost of all contained herein is to be included in the contract sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above-named project to the extent referenced and shall become part thereof. Acknowledge receipt of this Addendum by inserting its number and date on the Bid Form. Failure to do so may subject bidder to disqualification.

1.0 Addenda

- .1 Refer to attached revised architectural drawings 000, 303, 307, 308, 309, 310 and 313. Changes on drawings are bubbled.
- .2 Refer to attached Electrical Addendum E001 including revised drawings. Changes on drawings are bubbled.
- .3 Refer to attached Mechanical Addendum M001.
- .4 Refer to attached Mechanical Addendum M002.
- .5 Refer to attached revised Structural drawings S1, S2, and S3.

2.0 Questions and Clarifications

1. Q: Requesting Clarification for the controls strategy in the classrooms with a New Unit ventilator that are showing the existing Unit ventilators in the same room. Please see classroom 235 and 237 for an example of old and new UVs in the same room. Figure from Drawing M207 Issued for tender & Permit APR 08/28 by McKee Engineering
The New UVs will not have the capacity to control the second UV. Can we maintain the existing room sensor and the existing control system and integrate the controllers into the new front end?

A: Refer to attached mechanical addendum.

2. Q: Architectural drawings state Roof work warranty to be carried out by previous roofing contractor refer to App B or roofing drawings, don't seem to find any contact on who that is or was.

A: Refer to the list of roofers for each area of roof and notes on the roof plan provided in Appendix B.

3. Q: Detail 7/4 on Roofing Drawing 4 shows a built-up wood sleeper for Air Condenser Unit, detail states see structural for wood dimension and connection to building. Structural drawings have no built-up wood detail, instead a different detail using a steel frame and pavers. Please clarify which detail is to be used. If built-up wood please provide details with materials, sizes and how it is to be fastened to structure.

A: The condenser units to be installed on wood sleepers per the roofing details. Refer to revised condensing unit detail on structural drawing S2.

4. Q: Architectural drawing 303 shows a plumbing vent to be relocated. It is not on the roofing drawings to relocate vent or patch roof. Please clarify
A: The vent relocation is indicated on roofing drawings 1 and 2 and the detail is on drawing 5.
5. Q: Architectural drawing 303 note R7 says modify existing roof curb to accept new duct. Mechanical drawing M305 says to elbow into existing opening. Please clarify.
A: The intent is to keep the existing roof opening and roof curb and adjust the curb to suit the smaller duct.
6. Q: Architectural Drawing 303 notes R9 and R10 say to remove HVAC equipment AND curb, patch roofing to match existing. Roofing Drawing 2 note 1 says infill curb with insulation and cap as per details 8/4 and 4/3. Please clarify which is to happen
A: Refer to revised drawing 303, existing roof curbs to remain and be capped.
7. Q: Is there currently a phasing plan to follow?
A: No, contractor is responsible for developing a phasing plan.
8. Q: Architectural drawing 309 has details for felt paper slip sheet and plywood protection for gym floor. Is there a spec'd size of plywood to be used?
A: No, contractor is required to provide adequate protection to prevent damage to the existing floor as a result of work of this contract.
9. Q: In the specs Construction Facilities section 1.7 - Site office - is this required?
A: Space within the school will be provided during July and August only.
10. Q: Is a stair scaffold required for roof access?
A: Yes, stair scaffold is required for construction roof access.
11. Q: Structural drawing S2 has a note area of roof repair with no details - please clarify
A: Delete note on structural drawings, refer to detail 10 on roofing drawing 5 for new duct penetration enclosure.
12. Q: Drawings do not show any sidewalk removal and reinstatement at area of electrical trench from new pole to new transformer. Will the sidewalk need to be cut, removed and replaced? There are also a light and a sign structure in the same area, will these be affected by the trench?
A: Refer to electrical addendum E001.
13. Q: Electrical trench - is detail 3 on drawing ES101 to be followed, or are the specs section 33 65 73 - Part 3 to be followed?
A: Documents to be read together, refer to electrical addendum E001.
14. For gas line supports roofing drawing has them sitting on a rubber protection pad and structural drawings have them on neoprene pads. Are these the same? Please clarify.
A: Yes, neoprene is a synthetic rubber.
15. Q: Windows at new Unit Ventilator locations have valances - there is no mention to remove or modify. Are these valances to remain?
A: Yes, valances to remain.

16. Q: In Gym A in the area of ceiling removals for mechanical work there is ceiling mounted gym equipment (basketball nets). Are these to be removed and reinstalled?
A: Allow for removal and reinstallation of existing basketball nets as required to complete new work.
17. Q: It was brought up at the site meeting that floors in electrical rooms would need to be cut and broken up to expose feeder cables. This is not on any drawing - please clarify.
A: Refer to attached revised drawings for floor removals and reinstatement.
18. Q: Is there a specific spec for roofing protection other than just plywood? Type and thickness?
A: Protection is the responsibility of the contractor and is to be implemented to eliminate the potential for damage.
19. Q: In the specs it calls for 2% extra materials for gross ceiling area for each pattern and type. Does this include the tectum panels in the gym. If so is there a specific product spec'd?
A: The intent is to remove and reinstall the existing tiles. If tiles are damaged as a result of this work, they will need to be replaced to match existing. The Gym Tectum tiles are assumed to be Tectum Lay-In ceiling panels by Armstrong or equal.
20. Q: Architectural drawing 313 note D18 - remove gypsum board and steel stud chase - this wall had electrical in it. Is it to be removed and relocated? Not on any electrical drawing to do so. Please clarify.
A: Chase to remain, refer to revised drawings included in this addendum.
21. Q: Architectural drawing 303 note R12 - there doesn't appear to be any insulated metal wall panels - please clarify what product is to be used to patch at HVAC removal.
A: Wall may be patched with a prefinished metal siding to match existing colour and profile. Openings to be insulated.
22. Q: Can we get a copy of the response from the ESA plan approval office that the designer must submit?
We cannot start any work until they approve them.
A: ESA review in progress.
23. Q: Can we get a copy of the Hydro One layout that was already completed and sent to the Upper Canada School Board?
A: Hydro One layout in progress.
24. Q: Which Hydro One 44kV circuit are we using for this Project at the property line as there are two on the Hydro Pole that we need to tie into?
A: Hydro One layout in progress.
25. Q: What is the fault current on this 44kV circuit?
A: Contractor to confirm with Hydro One.
26. Q: What is the impedance requirement for the 44kV to 8.3kV transformer?
A: Refer to electrical addendum E001.

27. Q: What is the impedance requirement for the two 8.3kV to 120/208V transformers?
A: Refer to electrical addendum E001.
28. Q: Has Hydro One approved the metering method?
A: Refer to electrical addendum E001.
29. Q: It is acceptable to remove glazing and board windows up in order to be prepared for louvre and unit ventilator installation?
A: This is dependent on procurement timelines and how long the hoarding would be in place. This needs to be approved by UCDSB after award.
30. Q: Will any construction work be permitted during the school year, or is all work restricted to the two summer periods?
A: Refer to Section 01 11 00, item 1.8 work may be done throughout the school year outside of regular hours and as coordinated with the Owner.
31. Q: Would UCDSB accept dry-type transformers in the indoor unit substations instead of liquid-filled?
A: Refer to electrical addendum E001.
32. Q: There is a strong possibility that no pre-qualified excavation companies are going to price this job. What happens in that case?
A: Pre-qualified excavation companies only.
33. Q: In the event that electrical equipment cannot be delivered on schedule, what work would still be able to proceed during the summer period?
A: The contractor is responsible for developing a phasing plan and coordinating schedule of work with the Owner.
34. Q: In the event that mechanical equipment cannot be delivered on schedule, what work would still be able to proceed during the summer period?
A: The contractor is responsible for developing a phasing plan and coordinating schedule of work with the Owner.
35. Q: On the mechanical drawings some Unit Ventilators are shown with pumped condensate lines and some are not. Are pumped condensate lines required on all Unit Ventilators
A: As per the classroom ventilator specifications, units that can not be drained by gravity are to be equipped with internal condensate pumps. Units where pumped drainage is required are indicated on the drawings.

End of Addendum (refer to attachments)

List of Attachments:

- Architectural drawings 000, 303, 307, 308, 309, 310, and 313. (7 pages)
- Electrical Addendum E001 (26 pages)
- Mechanical Addendum M001 (4 pages)
- Mechanical Addendum M002 (6 pages)
- Structural drawing S1, S2, and S3 (3 pages)

2024 OBC DATA MATRIX - PART 11 - RENOVATION TO EXISTING BUILDING			OBC REFERENCE
11.1 EXISTING BUILDING CLASSIFICATION:	DESCRIBE EXISTING USE: A2 ASSEMBLY (SCHOOL) CONSTRUCTION INDEX: HAZARD INDEX: AREA OF EXISTING BUILDING: AREA OF SUITE: <input checked="" type="checkbox"/> NOT APPLICABLE (NO CHANGE IN MAJOR OCCUPANCY)		11.2.1 11.2.1.1A 11.2.1.1B TO N
11.2 ALTERATION TO EXISTING BUILDING IS:	<input checked="" type="checkbox"/> BASIC RENOVATION <input type="checkbox"/> EXTENSIVE RENOVATION		11.3.3.1 11.3.3.2
11.3 REDUCTION IN PERFORMANCE LEVEL:	STRUCTURAL BY INCREASE IN OCCUPANT LOAD BY CHANGE OF MAJOR OCCUPANCY PLUMBING SEWAGE SYSTEM	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	11.4.2 11.4.2.1 11.4.2.2 11.4.2.3 11.4.2.4 11.4.2.5
11.4 COMPENSATING CONSTRUCTION:	STRUCTURAL BY INCREASE IN OCCUPANT LOAD BY CHANGE OF MAJOR OCCUPANCY PLUMBING SEWAGE SYSTEM	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)	11.4.3 11.4.3.2 11.4.3.3 11.4.3.4 11.4.3.5 11.4.3.6
11.5 COMPLIANCE ALTERNATIVE PROPOSED:	<input type="checkbox"/> NO <input type="checkbox"/> YES (GIVE NUMBERS)		11.5.1
11.6 ALTERNATIVE MEASURES PROPOSED:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)		11.5.2

FIRE SEPARATIONS:

- PROVIDE FIRE STOPPING FOR ALL NEW PENETRATIONS AS REQUIRED TO MAINTAIN RATINGS AS FOLLOWS:
 - MAINTAIN 1 HOUR F.R.R. BETWEEN FIRST AND SECOND FLOORS AND MEZZANINES
 - MAINTAIN 1 HOUR F.R.R. AT ALL WALLS, FLOORS, AND CEILINGS OF ALL MECHANICAL, ELECTRICAL, AND JANITOR ROOMS.
 - MAINTAIN 1 HOUR F.R.R. AT WALLS, FLOORS, AND CEILINGS (WHERE THERE IS A SECOND FLOOR ABOVE) OF ALL WOODWORKING, CONSTRUCTION, AND MACHINE SHOPS.
 - MAINTAIN 2 HOUR F.R.R. AT WALLS, FLOORS, AND CEILINGS (WHERE THERE IS A SECOND FLOOR ABOVE) OF ALL WELDING AND AUTO/ TRANSPORTATION SHOPS.
 - NO ROOF RATING.
- DUCT PENETRATIONS THROUGH CORRIDOR WALLS:
 - AT EXISTING DUCT REMOVALS, LEAVE EXISTING FIRE DAMPERS IN CLOSED POSITION, PROVIDE BLANK OFF PANEL ON CORRIDOR SIDE. REFER ALSO TO MECHANICAL DRAWINGS
 - PROVIDE FIRE DAMPERS AND FIRESTOPPING, REFER ALSO TO MECHANICAL DRAWINGS

DESIGNATED SUBSTANCES:

DESIGNATED SUBSTANCES HAVE BEEN IDENTIFIED ON THIS PROJECT. REFER TO HAZARDOUS BUILDING MATERIALS ASSESSMENT INCLUDED IN SPECIFICATION. COMPLY WITH ALL APPLICABLE LEGISLATION AND REGULATIONS WHEN HANDLING AND DISPOSING OF DESIGNATED SUBSTANCES. IDENTIFIED ASBESTOS-CONTAINING MATERIALS INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO:

- PIPE FITTINGS
- PIPE INSULATION
- DUCT INSULATION
- GASKETS
- LAY-IN ACOUSTIC CEILING TILES
- VINYL FLOOR TILES
- VINYL SHEET FLOORING

GENERAL NOTES:

- REFER ALSO TO MECHANICAL, ELECTRICAL, STRUCTURAL, AND ROOFING DRAWINGS FOR ITEMS TO BE REMOVED OR RELOCATED. PATCH AND MAKE GOOD ALL ADJACENT SURFACES IN AREAS OF REMOVALS TO MATCH EXISTING.
- ALL DIMENSIONS SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY ALL DIMENSIONS ON SITE.

LIST OF ABBREVIATIONS

#	AND	JAN	JANITOR
4	ANGLE	JN5H	JANITOR SHELF
6	AT		
8	NUMBER	KPL	KICK PLATE
A/C	AIR CONDITIONER	LAM	LAMINATE
ACT	ACOUSTIC TILE	LAV	LAVATORY
ADJ	ADJUSTABLE	LCK	LOCK
AFF	ABOVE FINISH FLOOR	LNO	LINOLEUM
ALT	ALTERNATE	LSO	LIQUID SOAP DISPENSER
ALUM	ALUMINUM	LTGH	LATCH
ANOD	ANODIZED	LTNT	LIGHTSIGHT
APPRX	APPROXIMATE	M	METRE (S)
ARCH	ARCHITECTURAL	MAS	MASONRY
AUTO	AUTOMATIC	MATL	MATERIAL
		MAX	MAXIMUM
BD	BOARD	MEGH	MECHANICAL
BITUM	BITUMINOUS	MEZZ	MEZZANINE
BLDG	BUILDING	MFR	MANUFACTURER
BLK	BLOCK	MH	MANHOLE
BM	BEAM	MID	MIDDLE
BSMT	BASEMENT	MIN	MINIMUM
BUR	BUILT-UP ROOF	MISC	MISCELLANEOUS
BF	BARRIER-FREE	mm	MILLIMETER (S)
		MNO	MASONRY OPENINGS
CA	CLEAR ANODIZED	MOD	MODIFIED BITUMEN
CAB	CABINET	MR	MIRROR
CANT	CANTILEVER	MTL	METAL
CB	CONCRETE BLOCK	MJLN	MULLION
CEM	CEMENT	N	NORTH
CG	CORNER GUARD	NC	NOT IN CONTRACT
CH	COAT HOOK	NTS	NOT TO SCALE
CJ	CONTROL JOINT		
CLS	CELLS		
CLSR	CLOSER	O.C.	ON CENTER
CMU	CONCRETE MASONRY UNIT	OD	OUTSIDE DIAMETER
COL	COLUMN	OHD	OVERHEAD DOOR
CONC	CONCRETE		
CONT	CONTINUOUS	PDO	POWER DOOR OPERATOR
CORR	CORRIDOR	FLAM	FLAME
CFT	CARPET	FLAS	FLASTER
CT	CERAMIC TILE	FLYNO	FLYWOOD
CTR	CENTER	FR	FIRE FINISHED
C/A	COMPLETE WITH	FAIR	FAIR
		FRS	POWERED ROLLER SHADE
D	DRYER	FSH	FUSH
DBL	DOUBLE	PAINT	PAINT
DEPT	DEPARTMENT	FUL	FULL
DET	DETAIL		
DF	DRINKING FOUNTAIN	R	RISER
DIA	DIAMETER	RAD	RADIUS
DN	DOWN	RB	RUBBER
DR	DOOR	REINP	REINFORCED
DS	DOWNSPOUT	REV	REVISIONS
DWS	DRAWING	RM	ROOM
		RO	ROUGH OPENING
EA	EACH	RS	ROLLER SHADE
EB	EXPANSION BOLT	RT	RUBBER TILE
EF	EACH FACE		
EIFS	EXTERIOR INSULATION FINISH SYSTEM	SEAL	SEALER
EJ	EXPANSION JOINT	SCHED	SCHEDULE
ELEV	ELEVATION	SCR	SHOWER ROD AND CURTAIN
ELEC	ELECTRICAL	SD	SMOKE DETECTOR
EMERG	EMERGENCY	SDP	SOAP DISPENSER
ENCL	ENCLOSURE	SDVCT	STATIC DISSIPATIVE VINYL TILE
EP	ELECTRICAL PANEL	SECT	SECTION
EPDM	ETHYLENE-PROPYLENE-DIENE POLYMER	SH	SHELF
EPT	EPOXY PAINT	SHT	SHEET
EQ	EQUIPMENT	SHTV	SHEET VINYL
EQUIP	EQUIPMENT	SHR	SHOWER
EN	EACH WAY	SM	SMILAR
EX	EXISTING	SP	SPANDREL PANEL
EXIST	EXISTING	SPEC	SPECIFICATION
EXP	EXPOSED	SPKR	SPEAKER
EXT	EXTERIOR	SQ	SQUARE
		SS	STAINLESS STEEL
FA	FIRE ALARM	STD	STANDARD
FD	FLOOR DRAIN	STL	STEEL
FE	FIRE EXTINGUISHER	STOR	STORAGE
FEC	FIRE EXTINGUISHER AND CABINET	STP	STOP
FHC	FIRE HOSE CABINET	STR	STRUCTURE
F.F.	FINISH FLOOR	SUSP	SUSPENDED
FG	FIXED GLASS	SW	SWIM
FIN	FINISHED		
FL	FLOOR	T	TREAD
FLUOR	FLUORESCENT	TB	TOMEL BAR
FND	FOUNDATION	TBD	TO BE DETERMINED
FT	FOOT, FEET	TEMP	TEMPERED
FTG	FOOTING	T&G	TONGUE AND GROOVE
FURN	FURNITURE	THK	THICK
		THR	THRESHOLD
GA	GAGE, GAUGE	THRU	THROUGH
GALV	GALVANIZED	TPD	TOILET PAPER DISPENSER
GB	GRAB BAR	TYP	TYPICAL
GB-L	L-SHAPED GRAB BAR		
GB-FD	FOLD DOWN GRAB BAR	U/S	UNDERSIDE
GC	GENERAL CONTRACTOR		
GL	GLASS/GLAZING	V	VINYL
GRND	GROUND	VARN	VARNISHED
GR	GRADE	VB	VAPOUR BARRIER
GNB	GYPSUM WALL BOARD	VCT	VINYL COMPOSITE TILE
GWS	GEORGIAN WIRE GLASS	VENT	VENTILATION
GYP	GYPSUM	VERT	VERTICAL
		VEST	VESTIBULE
		VT	VINYL TILE
HB	HOSE BIBB		
H/C	HANDICAP(ED)	W	WITH
HD	HAND DRYER	WASH	WASHER
HDWD	HARDWOOD	WOD	WOOD
HDWR	HARDWARE	WR	WATER RESISTANT
HM	HOLLOW METAL	W/O	WITHOUT
HNS	HINGE	WR	WASTE RECEPTACLE
HO	HOLD OPEN	WT	WEIGHT
HORZ	HORIZONTAL	WVF	WELDED WIRE FABRIC
HR	HOUR		
HT	HEIGHT		
HVAC	HEATING, VENTILATING, AIR CONDITIONING		
HWH	HOT WATER HEATER		
ID	INSIDE DIAMETER		
INFO	INFORMATION		
INSUL	INSULATION / INSULATED		
INT	INTERIOR		
INV	INVERT		

LEGEND OF SYMBOLS

	ROOM NAME AND NUMBER		WINDOW TYPE, REFER TO WINDOW TYPE ELEVATIONS FOR SCOPE OF REMOVALS AND NEW WORK.
	SECTION NUMBER		DEMOLITION NOTE
	SECTION REFERENCE		CONSTRUCTION NOTE
	SHEET WHERE DETAILED		DOOR TYPE, REFER TO DOOR SCHEDULES
	SHEET WHERE DETAILED		EXISTING DOOR AND FRAME TO REMAIN
	ELEVATION REFERENCE		
	ELEVATION NUMBER		

LIST OF DRAWINGS

GENERAL	COVER PAGE AND LIST OF DRAWINGS
000	
ARCHITECTURAL	
301	GROUND FLOOR PLAN
302	SECOND FLOOR PLAN
303	ROOF PLAN
304	GROUND FLOOR REFLECTED CEILING PLAN
305	SECOND FLOOR REFLECTED CEILING PLAN
307	GROUND FLOOR PLAN PART 2
308	GROUND FLOOR PLAN PART 3 AND PHOTOS
309	GROUND FLOOR PLAN PART 4
310	GROUND FLOOR PLAN - PART 5
311	SECOND FLOOR PLAN - PART 1 AND PART 2
312	SECOND FLOOR PLAN - PART 3
313	SECOND FLOOR PLAN - PART 4
314	GROUND FLOOR REFLECTED CEILING PLAN PART 1
315	GROUND FLOOR REFLECTED CEILING PLAN PART 2
316	GROUND FLOOR REFLECTED CEILING PLAN PART 3
317	GROUND FLOOR REFLECTED CEILING PLAN PART 4
318	GROUND FLOOR REFLECTED CEILING PLAN PART 5
319	SECOND FLOOR REFLECTED CEILING PLAN PART 1 & 2
320	SECOND FLOOR REFLECTED CEILING PLAN PART 3
321	SECOND FLOOR REFLECTED CEILING PLAN PART 4
322	WINDOW TYPE ELEVATIONS
323	WINDOW TYPE ELEVATIONS
324	WINDOW DETAILS
STRUCTURAL	
51	FIRST FLOOR STRUCTURAL WALL UNITS PLAN
52	STRUCTURAL ROOF FRAMING PLAN
53	SECOND FLOOR STRUCTURAL SEISMIC SUPPORT DETAILS
MECHANICAL	
M002	MECHANICAL - LEGEND AND DRAWING LIST
M002	MECHANICAL - KEY PLANS
MD101	MECHANICAL - GROUND FLOOR PART 1 - PLUMBING AND FIRE PROTECTION DEMOLITION
MD102	MECHANICAL - GROUND FLOOR PART 2 - PLUMBING AND FIRE PROTECTION DEMOLITION
MD103	MECHANICAL - GROUND FLOOR PART 3 - PLUMBING AND FIRE PROTECTION DEMOLITION
MD104	MECHANICAL - GROUND FLOOR PART 4 - PLUMBING AND FIRE PROTECTION DEMOLITION
MD105	MECHANICAL - GROUND FLOOR PART 5 - PLUMBING AND FIRE PROTECTION DEMOLITION
MD106	MECHANICAL - SECOND FLOOR PART 1 - PLUMBING AND FIRE PROTECTION DEMOLITION
MD107	MECHANICAL - SECOND FLOOR PART 2 - PLUMBING AND FIRE PROTECTION DEMOLITION
MD108	MECHANICAL - SECOND FLOOR PART 3 - PLUMBING AND FIRE PROTECTION DEMOLITION
MD109	MECHANICAL - SECOND FLOOR PART 4 - PLUMBING AND FIRE PROTECTION DEMOLITION
MD201	MECHANICAL - GROUND FLOOR PART 1 - HVAC DEMOLITION
MD202	MECHANICAL - GROUND FLOOR PART 2 - HVAC DEMOLITION
MD203	MECHANICAL - GROUND FLOOR PART 3 - HVAC DEMOLITION
MD204	MECHANICAL - GROUND FLOOR PART 4 - HVAC DEMOLITION
MD205	MECHANICAL - GROUND FLOOR PART 5 - HVAC DEMOLITION
MD206	MECHANICAL - SECOND FLOOR PART 1 - HVAC DEMOLITION
MD207	MECHANICAL - SECOND FLOOR PART 2 - HVAC DEMOLITION
MD208	MECHANICAL - SECOND FLOOR PART 3 - HVAC DEMOLITION
MD209	MECHANICAL - SECOND FLOOR PART 4 - HVAC DEMOLITION
MD301	MECHANICAL - ROOF PLAN PART 1 - DEMOLITION
MD302	MECHANICAL - ROOF PLAN PART 2 - DEMOLITION
MD303	MECHANICAL - ROOF PLAN PART 3 - DEMOLITION
MD304	MECHANICAL - ROOF PLAN PART 4 - DEMOLITION
MD305	MECHANICAL - ROOF PLAN PART 5 - DEMOLITION
MD101	MECHANICAL - GROUND FLOOR PART 1 - PLUMBING AND FIRE PROTECTION
M102	MECHANICAL - GROUND FLOOR PART 2 - PLUMBING AND FIRE PROTECTION
M103	MECHANICAL - GROUND FLOOR PART 3 - PLUMBING AND FIRE PROTECTION
M104	MECHANICAL - GROUND FLOOR PART 4 - PLUMBING AND FIRE PROTECTION
M105	MECHANICAL - GROUND FLOOR PART 5 - PLUMBING AND FIRE PROTECTION
M106	MECHANICAL - SECOND FLOOR PART 1 - PLUMBING AND FIRE PROTECTION
M107	MECHANICAL - SECOND FLOOR PART 2 - PLUMBING AND FIRE PROTECTION
M108	MECHANICAL - SECOND FLOOR PART 3 - PLUMBING AND FIRE PROTECTION
M109	MECHANICAL - SECOND FLOOR PART 4 - PLUMBING AND FIRE PROTECTION
M201	MECHANICAL - GROUND FLOOR PART 1 - HVAC
M202	MECHANICAL - GROUND FLOOR PART 2 - HVAC
M203	MECHANICAL - GROUND FLOOR PART 3 - HVAC
M204	MECHANICAL - GROUND FLOOR PART 4 - HVAC
M205	MECHANICAL - GROUND FLOOR PART 5 - HVAC
M206	MECHANICAL - SECOND FLOOR PART 1 - HVAC
M207	MECHANICAL - SECOND FLOOR PART 2 - HVAC
M208	MECHANICAL - SECOND FLOOR PART 3 - HVAC
M209	MECHANICAL - SECOND FLOOR PART 4 - HVAC
M301	MECHANICAL - ROOF PLAN PART 1 - NEW
M302	MECHANICAL - ROOF PLAN PART 2 - NEW
M303	MECHANICAL - ROOF PLAN PART 3 - NEW
M304	MECHANICAL - ROOF PLAN PART 4 - NEW
M305	MECHANICAL - ROOF PLAN PART 5 - NEW
M401	MECHANICAL - SCHEDULES
M501	MECHANICAL - DETAILS
M502	MECHANICAL - DETAILS
M503	MECHANICAL - DETAILS
ELECTRICAL	
E000	ELECTRICAL - LEGEND, DRAWING LIST AND KEY PLAN
EB101	ELECTRICAL - SITE PLAN
ED101	ELECTRICAL - GROUND FLOOR PART 2 - DEMOLITION
ED101A	ELECTRICAL - GROUND FLOOR PART 3 - DEMOLITION
ED102	ELECTRICAL - GROUND FLOOR PART 4 - DEMOLITION
ED103	ELECTRICAL - SECOND FLOOR PART 1 - DEMOLITION
ED104	ELECTRICAL - SECOND FLOOR PART 2 - POWER
ED105	ELECTRICAL - SECOND FLOOR PART 4 - POWER
ED106	ELECTRICAL - ROOF PLAN PART 1 - DEMOLITION
ED107	ELECTRICAL - ROOF PLAN PART 3 - DEMOLITION
ED108	ELECTRICAL ROOF PLAN PART 4 - DEMOLITION
ED109	ELECTRICAL - ROOF PLAN PART 5 - DEMOLITION
E001	ELECTRICAL - SINGLE LINE DRAWING
E101	ELECTRICAL - GROUND FLOOR PART 1 - SYSTEMS
E102	ELECTRICAL - GROUND FLOOR PART 2 - SYSTEMS
E103	ELECTRICAL - GROUND FLOOR PART 3 - SYSTEMS
E104	ELECTRICAL - GROUND FLOOR PART 4 - SYSTEMS
E105	ELECTRICAL - GROUND FLOOR PART 5 - SYSTEMS
E201	ELECTRICAL - SECOND FLOOR PART 1 - SYSTEMS
E202	ELECTRICAL - SECOND FLOOR PART 2 - SYSTEMS
E203	ELECTRICAL - SECOND FLOOR PART 3 - SYSTEMS
E204	ELECTRICAL - SECOND FLOOR PART 4 - SYSTEMS
E301	ELECTRICAL - ROOF PLAN PART 1 - POWER
E302	ELECTRICAL - ROOF PLAN PART 2 - POWER
E303	ELECTRICAL - ROOF PLAN PART 3 - POWER
E304	ELECTRICAL - ROOF PLAN PART 4 - POWER
E305	ELECTRICAL - ROOF PLAN PART 5 - POWER
E401	ELECTRICAL - DETAILS
ROOFING	
1	EXISTING CONDITIONS PLAN
2	PROPOSED ROOF PLAN
3	DETAILS
4	DETAILS
5	DETAILS

NOTES

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2	TC	ISSUED FOR ADDENDUM 1	2026-04-29
1	TC	ISSUED FOR TENDER & PERMIT	2026-04-09
NO.	BY	REVISIONS/SUBMISSIONS	DATE



PROJECT

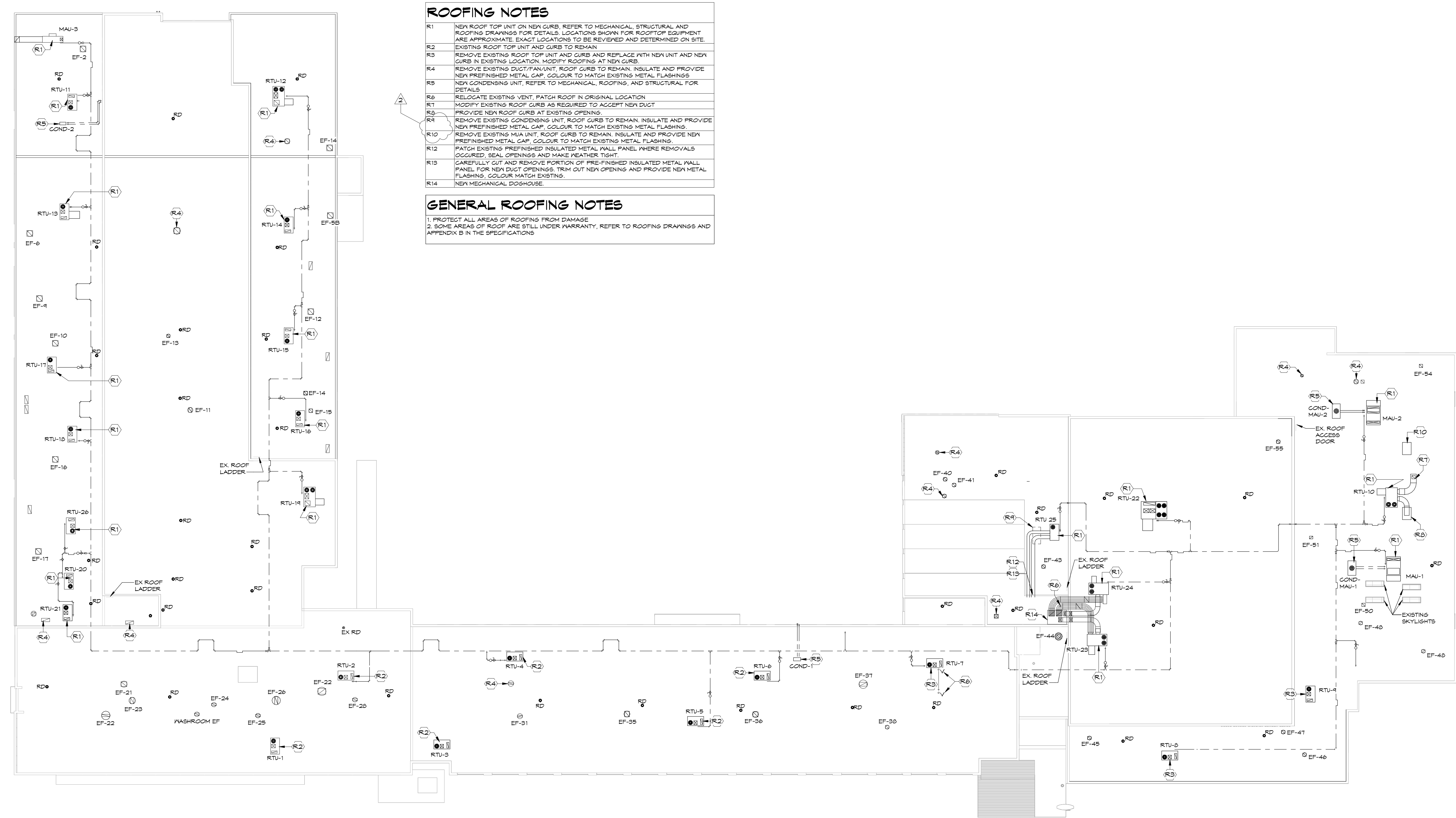
TISS - MECHANICAL REPLACEMENT

2510 PARKEDALE AVE., BROCKVILLE, ON

DRAWING

COVER PAGE AND LIST OF DRAWINGS

SCALE	As indicated		
PROFESSIONAL SEAL	DRAWN	DATE	
	ZB/MY	PRINTED	
	CHECKED	LS	
	REVIEWED	TC	DRAWING No.
	PROJECT No.	4157	
	24078	000	
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1

ROOF PLAN

SCALE:

1 : 250

0m

5m

10m

15m

20m

25m

ROOFING NOTES

R1

NEW ROOF TOP UNIT ON NEW CURB, REFER TO MECHANICAL, STRUCTURAL AND ROOFING DRAWINGS FOR DETAILS. LOCATIONS SHOWN FOR ROOFTOP EQUIPMENT ARE APPROXIMATE. EXACT LOCATIONS TO BE REVIEWED AND DETERMINED ON SITE.

R2

EXISTING ROOF TOP UNIT AND CURB TO REMAIN

R3

REMOVE EXISTING ROOF TOP UNIT AND CURB AND REPLACE WITH NEW UNIT AND NEW CURB IN EXISTING LOCATION. MODIFY ROOFING AT NEW CURB.

R4

REMOVE EXISTING DUCT/FAN/UNIT, ROOF CURB TO REMAIN. INSULATE AND PROVIDE NEW PREFINISHED METAL CAP, COLOUR TO MATCH EXISTING METAL FLASHINGS

R5

NEW CONDENSING UNIT, REFER TO MECHANICAL, ROOFING, AND STRUCTURAL FOR DETAILS

R6

RELOCATE EXISTING VENT, PATCH ROOF IN ORIGINAL LOCATION

R7

MODIFY EXISTING ROOF CURB AS REQUIRED TO ACCEPT NEW DUCT

R8

PROVIDE NEW ROOF CURB AT EXISTING OPENING.

R9

REMOVE EXISTING CONDENSING UNIT, ROOF CURB TO REMAIN. INSULATE AND PROVIDE NEW PREFINISHED METAL CAP, COLOUR TO MATCH EXISTING METAL FLASHING.

R10

REMOVE EXISTING MUA UNIT, ROOF CURB TO REMAIN. INSULATE AND PROVIDE NEW PREFINISHED METAL CAP, COLOUR TO MATCH EXISTING METAL FLASHING.

R12

PATCH EXISTING PREFINISHED INSULATED METAL WALL PANEL WHERE REMOVALS OCCURED. SEAL OPENINGS AND MAKE WEATHER TIGHT.

R13

CAREFULLY CUT AND REMOVE PORTION OF PRE-FINISHED INSULATED METAL WALL PANEL FOR NEW DUCT OPENINGS. TRIM OUT NEW OPENING AND PROVIDE NEW METAL FLASHING, COLOUR MATCH EXISTING.

R14

NEW MECHANICAL DOGHOUSE

GENERAL ROOFING NOTES

1. PROTECT ALL AREAS OF ROOFING FROM DAMAGE

2. SOME AREAS OF ROOF ARE STILL UNDER WARRANTY, REFER TO ROOFING DRAWINGS AND APPENDIX B IN THE SPECIFICATIONS

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13RD ARLINGTON PARK PLACE

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PROJECT

TISS - MECHANICAL REPLACEMENT

2510 PARKEDALE AVE., BROCKVILLE, ON

DRAWING

ROOF PLAN

SCALE

As indicated

PROFESSIONAL SEAL	DRAWN	DATE
	ZB/MY	
	CHECKED	PRINTED
	LS	02/21/25
	REVIEWED	DRAWING No.
TC		
PROJECT No.	4157	
24078		303

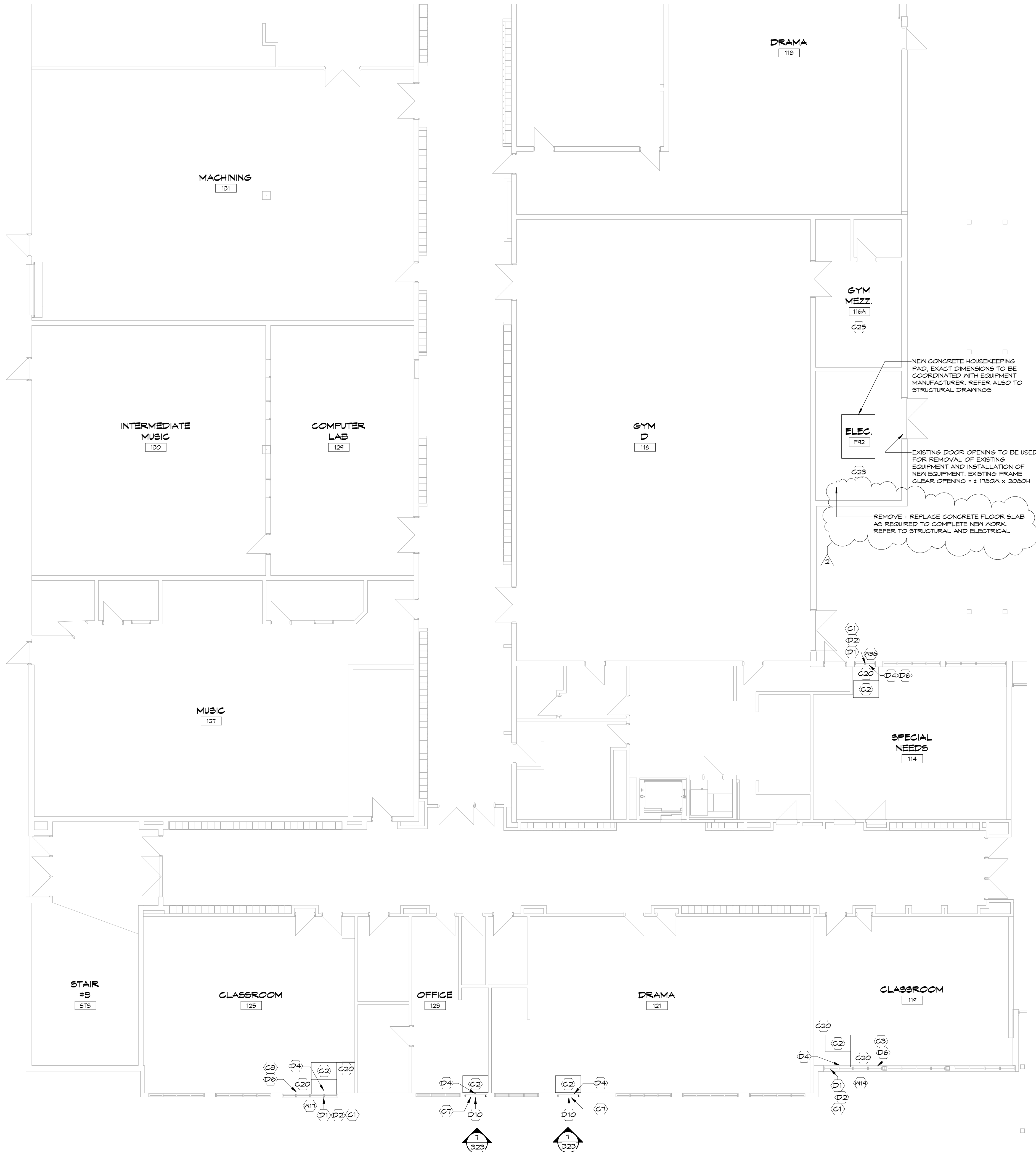
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DEMOLITION NOTES

D1	REMOVE EXISTING SEALED INSULATING GLASS UNIT TO ACCOMMODATE NEW LOUVRE. ALUMINUM FRAME TO REMAIN.
D2	REMOVE EXISTING ALUMINUM AWNING OPERATOR TO ACCOMMODATE NEW LOUVRE. ALUMINUM FRAME TO REMAIN.
D3	REMOVE EXISTING WALL MOUNTED GRAB BAR. PATCH HOLES IN BLOCK WALL AND TOUCH UP PAINT TO MATCH EXISTING.
D4	REMOVE PORTION OF EXISTING RADIATOR TO ALLOW FOR NEW UNIT INSTALLATION. REFER MECHANICAL.
D5	REMOVE WALL MOUNTED FRAMED TACKBOARD AND REINSTALL AT LOCATION DIRECTED BY OWNER.
D6	REMOVE EXISTING ROLLER SHADE AND HAND OVER TO OWNER.
D7	REMOVE EXISTING WALL MOUNTED WOOD SHELVING. REFER TO PHOTO 1.
D8	REMOVE EXISTING FULL HEIGHT WOOD STORAGE CABINET. REFER TO PHOTO 1.
D9	CUT BACK AND MODIFY EXISTING WALL MOUNTED FRAMED TACKBOARD TO ALLOW FOR NEW UNIT VENTILATOR.
D10	CUT AND REMOVE PORTION OF EXTERIOR WALL FOR NEW LOUVRE. EXISTING WALL CONSTRUCTION IS 80mm Limestone EXTERIOR, 19mm AIR SPACE AND 200mm INTERIOR CONCRETE BLOCK. REFER ALSO TO STRUCTURAL AND MECHANICAL.
D11	REMOVE EXISTING FLOOR MOUNTED ALUMINUM FRAMED CHALKBOARD UNIT. REFER TO PHOTO 2.
D12	CAREFULLY CUT BACK AND MODIFY EXISTING FRAMED TACKBOARD AND SLOPED CHALKBOARD BELOW. PROVIDE FINISHED END, REMOVE LOWER END METAL SHELVING UNIT(S). SHELVES TO BE RELOCATED, LOCATION TBD. REFER PHOTO 3.
D13	CAREFULLY CUT AND REMOVE PORTION OF GYPSUM BOARD CEILING AS REQUIRED TO COMPLETE WORK.
D14	CUT AND REMOVE PORTION OF EXTERIOR WALL FOR NEW LOUVRE. EXISTING WALL CONSTRUCTION IS BRICK VENEER, 19mm AIR SPACE, AND 200mm INTERIOR CONCRETE BLOCK. REFER ALSO TO STRUCTURAL AND MECHANICAL.
D15	CUT AND REMOVE PORTION OF GYPSUM BOARD WALL FOR THE NEW DUCT OPENINGS. SEAL AROUND DUCT, PATCH AND PAINT AS REQUIRED TO MATCH EXISTING.
D16	CAREFULLY CUT/GORE THROUGH EXISTING BLOCK WALL FOR NEW DUCT OPENING. SEAL AROUND DUCT, PATCH AND PAINT AS REQUIRED TO MATCH EXISTING.
D17	REMOVE EXISTING LIGHT FIXTURE. REFER TO ELECTRICAL. PROVIDE NEW ACOUSTIC TILE TO MATCH EXISTING IN AREA OF REMOVAL.
D18	REMOVE GYPSUM BOARD AND STEEL STUD CHASE FROM FLOOR TO U/S OF CEILING.
D19	REMOVE EXISTING CEILING (13 FIBRE TILE ADHERED TO 13 GYPSUM BOARD ON WOOD FRAMING).
D20	CAREFULLY SAWCUT AND REMOVE PORTION OF EXISTING TERRAZZO FLOOR AND 150 THICK CONCRETE SLAB AS REQUIRED FOR NEW ELECTRICAL WORK.
D21	CAREFULLY REMOVE LOCKERS + TERRAZZO CURB AS REQUIRED FOR NEW ELECTRICAL WORK.
D22	REMOVE PORTION OF 150 THICK CONCRETE SLAB AND VGT FINISH AS REQUIRED FOR NEW ELECTRICAL WORK.

CONSTRUCTION NOTES

C1	PROVIDE PRE-FINISHED ALUMINUM LOUVRE IN EXISTING ALUMINUM WINDOW FRAME. REFER TO MECHANICAL.
C2	PROVIDE NEW UNIT VENTILATOR WITH CUSTOM SHROUD TO U/S OF EXISTING CEILING. REFER MECHANICAL. NEW UV TO BE INSTALLED AS TIGHT AS POSSIBLE TO EXTERIOR AND ADJACENT WALLS.
C3	PROVIDE NEW ROLLER SHADE.
C4	PATCH AND PAINT WALL TO MATCH EXISTING IN AREA OF REMOVALS.
C5	PROVIDE NEW FLOOR TILE AND BASE IN AREA OF REMOVALS TO MATCH EXISTING.
C6	PROVIDE NEW FINISHED WOOD END PANEL ON EXISTING CABINETS TO REMAIN.
C7	PROVIDE PRE-FINISHED ALUMINUM LOUVRE. REFER TO MECHANICAL.
C8	RELOCATE TACKBOARD, LOCATION TBD.
C9	EXISTING WALL MOUNTED SHELF TO REMAIN.
C10	REMOVE FRAMED CHALKBOARD. PATCH AND PAINT WALL TO MATCH EXISTING.
C11	EXISTING SUSPENDED ACOUSTIC CEILING TILE AND GRID TO REMAIN. REMOVE AS REQUIRED TO COMPLETE WORK. REFER ALSO TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS FOR LOCATIONS OF REMOVALS AND NEW WORK. REINSTALL TILES AND GRID UPON COMPLETION OF WORK. REPLACE TILES DAMAGED BY THIS CONTRACT.
C12	NEW EXPOSED DUCTWORK. PROVIDE PAINT FINISH. REFER TO MECHANICAL.
C13	NEW WALL MOUNTED A/C UNIT. REFER TO MECHANICAL.
C14	PATCH GYPSUM BOARD CEILING IN AREA OF REMOVALS. PROVIDE NEW PAINT FINISH ON ENTIRE CEILING.
C15	REMOVE PORTION OF EXISTING SUSPENDED TECTUM TILE AND GRID AS REQUIRED TO COMPLETE WORK. REFER ALSO TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS. REINSTALL TILES AND GRID UPON COMPLETION OF WORK. REPLACE TILES DAMAGED BY THIS CONTRACT.
C16	PROVIDE NEW CEILING TILE IN AREAS OF FAN REMOVALS AND REPLACEMENTS AS REQUIRED.
C17	PATCH FLOOR AT LOCATION OF MECHANICAL REMOVALS WITH STEEL DECK AND CONCRETE. REFER TO STRUCTURAL.
C18	RELOCATE LIGHT FIXTURE. REFER TO ELECTRICAL. ALLOW FOR 2 NEW ACOUSTIC CEILING TILES TO MATCH EXISTING AT EACH LIGHT RELOCATION LOCATION.
C20	PROVIDE CUSTOM METAL FILLER PANEL(S) FROM NEW UNIT TO WALL/WINDOW FRAME. FULL HEIGHT. MIN. 20 GAUGE. COLOUR TO MATCH UNIT CABINET COLOUR.
C21	PATCH VGT AND VINYL WALL BASE IN AREA OF REMOVALS TO MATCH EXISTING.
C22	PATCH AND MODIFY ACOUSTIC TILE CEILING AND GRID IN AREA OF REMOVALS.
C23	PRIME AND PAINT EXISTING UNPAINTED CONCRETE BLOCK WALLS THROUGHOUT.
C24	PROVIDE NEW PAINT FINISH ON EXISTING GYPSUM BOARD CEILING.
C25	PROVIDE NEW PAINT FINISH ON EXISTING PAINTED CONCRETE BLOCK WALLS THROUGHOUT.
C26	PROVIDE 100mm THICK INSULATED METAL BLANK OFF PANEL ON BACK OF EXISTING LOUVRES TO REMAIN. SEAL AND MAKE WEATHERTIGHT.
C27	PROVIDE NEW 610 X 1220 SUSPENDED ACOUSTIC TILE CEILING AND GRID.
C28	PATCH CONCRETE FLOOR + TERRAZZO FINISH IN AREA OF REMOVALS TO MATCH EXISTING.
C29	REBUILD LOCKER CURB WITH COVED TERRAZZO BASE AND REINSTALL LOCKERS.
C30	PATCH CONCRETE FLOOR + VGT FINISH IN AREA OF REMOVALS TO MATCH EXISTING.
C31	AREA OF MASONRY REPAIR. REFER TO STRUCTURAL. PROVIDE PAINT FINISH TO MATCH EXISTING.



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2	TC	ISSUED FOR ADDENDUM 1	2026-04-29
1	TC	ISSUED FOR TENDER & PERMIT	2026-04-08
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PROJECT
TISS - MECHANICAL REPLACEMENT
2510 PARKEDALE AVE., BROCKVILLE, ON

DRAWING
GROUND FLOOR PLAN PART 2

SCALE
1 : 100

PROFESSIONAL SEAL 	DRAWN ZB/MY CHECKED LS REVIEWED TC PROJECT No. 24078	DATE PRINTED DRAWING No. 307
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PHOTO 1 - ART ROOM CABINET REMOVALS



PHOTO 2 - CHALKBOARD UNIT TO BE REMOVED



PHOTO 3 - SLOPED CHALKBOARD UNIT

CONSTRUCTION NOTES

- C1 PROVIDE PRE-FINISHED ALUMINUM LOUVRE IN EXISTING ALUMINUM WINDOW FRAME, REFER TO MECHANICAL.
- C2 PROVIDE NEW UNIT VENTILATOR WITH CUSTOM SHROUD TO U/S OF EXISTING CEILING, REFER MECHANICAL. NEW UV TO BE INSTALLED AS TIGHT AS POSSIBLE TO EXTERIOR AND ADJACENT WALLS
- C3 PROVIDE NEW ROLLER SHADE
- C4 PATCH AND PAINT WALL TO MATCH EXISTING IN AREA OF REMOVALS
- C5 PROVIDE NEW FLOOR TILE AND BASE IN AREA OF REMOVALS TO MATCH EXISTING
- C6 PROVIDE NEW FINISHED WOOD END PANEL ON EXISTING CABINETS TO REMAIN
- C7 PROVIDE PRE-FINISHED ALUMINUM LOUVRE, REFER TO MECHANICAL
- C8 RELOCATE TACKBOARD, LOCATION TBD
- C9 EXISTING WALL MOUNTED SHELF TO REMAIN
- C10 REMOVE FRAMED CHALKBOARD, PATCH AND PAINT WALL TO MATCH EXISTING
- C11 EXISTING SUSPENDED ACOUSTIC CEILING TILE AND GRID TO REMAIN, REMOVE AS REQUIRED TO COMPLETE WORK, REFER ALSO TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS FOR LOCATIONS OF REMOVALS AND NEW WORK. REINSTALL TILES AND GRID UPON COMPLETION OF WORK. REPLACE TILES DAMAGED BY THIS CONTRACT.
- C12 NEW EXPOSED DUCTWORK, PROVIDE PAINT FINISH, REFER TO MECHANICAL.
- C13 NEW WALL MOUNTED A/C UNIT, REFER TO MECHANICAL.
- C14 PATCH GYPSUM BOARD CEILING IN AREA OF REMOVALS, PROVIDE NEW PAINT FINISH ON ENTIRE CEILING.
- C15 REMOVE PORTION OF EXISTING SUSPENDED TECTUM TILE AND GRID AS REQUIRED TO COMPLETE WORK, REFER ALSO TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS. REINSTALL TILES AND GRID UPON COMPLETION OF WORK. REPLACE TILES DAMAGED BY THIS CONTRACT.
- C16 PROVIDE NEW CEILING TILE IN AREAS OF FAN REMOVALS AND REPLACEMENTS AS REQUIRED.
- C17 PATCH FLOOR AT LOCATION OF MECHANICAL REMOVALS WITH STEEL DECK AND CONCRETE, REFER TO STRUCTURAL.
- C18 RELOCATE LIGHT FIXTURE, REFER TO ELECTRICAL. ALLOW FOR 2 NEW ACOUSTIC CEILING TILES TO MATCH EXISTING AT EACH LIGHT RELOCATION LOCATION
- C20 PROVIDE CUSTOM METAL FILLER PANEL(S) FROM NEW UNIT TO WALL/WINDOW FRAME, FULL HEIGHT, MIN. 20 GAUGE, COLOUR TO MATCH UNIT CABINET COLOUR
- C21 PATCH VGT AND VINYL WALL BASE IN AREA OF REMOVALS TO MATCH EXISTING
- C22 PATCH AND MODIFY ACOUSTIC TILE CEILING AND GRID IN AREA OF REMOVALS
- C23 PRIME AND PAINT EXISTING UNPAINTED CONCRETE BLOCK WALLS THROUGHOUT.
- C24 PROVIDE NEW PAINT FINISH ON EXISTING GYPSUM BOARD CEILING
- C25 PROVIDE NEW PAINT FINISH ON EXISTING PAINTED CONCRETE BLOCK WALLS THROUGHOUT.
- C26 PROVIDE 100mm THICK INSULATED METAL BLANK OFF PANEL ON BACK OF EXISTING LOUVRES TO REMAIN, SEAL AND MAKE WEATHERTIGHT.
- C27 PROVIDE NEW 610 X 1200 SUSPENDED ACOUSTIC TILE CEILING AND GRID
- C28 PATCH CONCRETE FLOOR + TERRAZZO FINISH IN AREA OF REMOVALS TO MATCH EXISTING.
- C29 REBUILD LOCKER CURB WITH COVERED TERRAZZO BASE AND REINSTALL LOCKERS
- C30 PATCH CONCRETE FLOOR + VGT FINISH IN AREA OF REMOVALS TO MATCH EXISTING.
- C31 AREA OF MASONRY REPAIR, REFER TO STRUCTURAL. PROVIDE PAINT FINISH TO MATCH EXISTING.

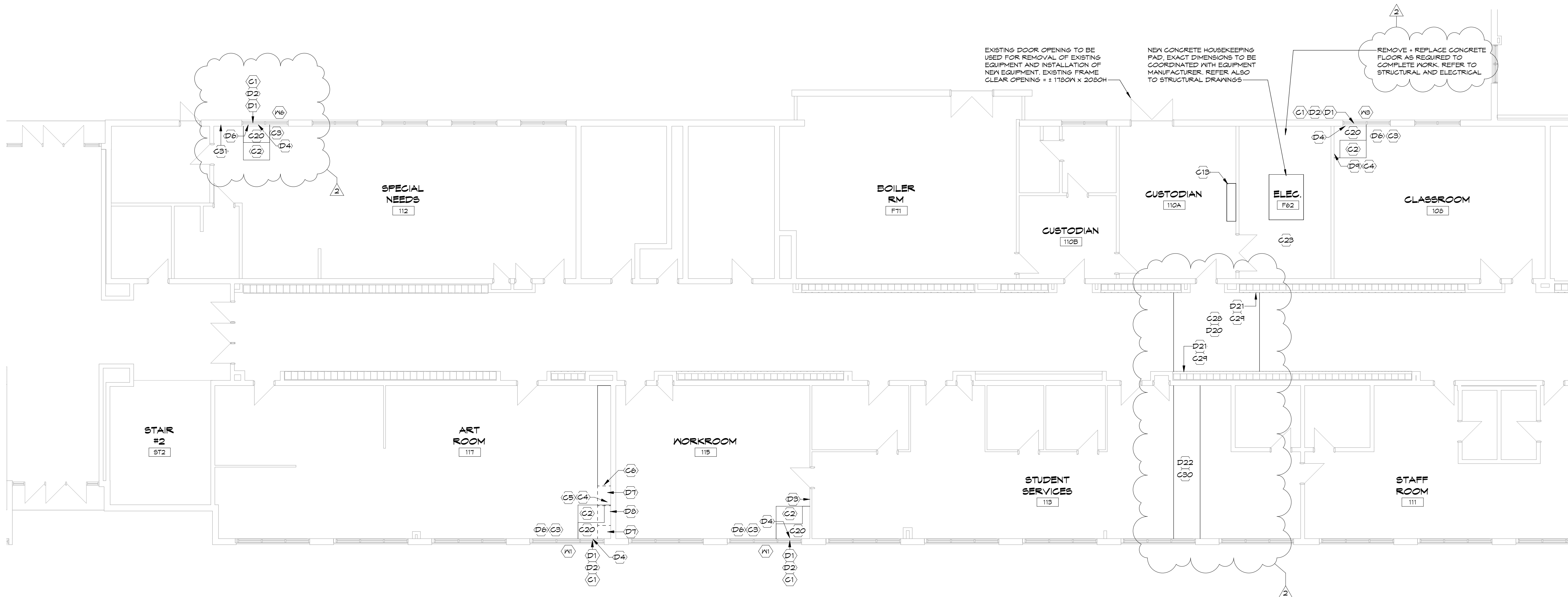
DEMOLITION NOTES

- D1 REMOVE EXISTING SEALED INSULATING GLASS UNIT TO ACCOMMODATE NEW LOUVRE, ALUMINUM FRAME TO REMAIN
- D2 REMOVE EXISTING ALUMINUM WINNING OPERATOR TO ACCOMMODATE NEW LOUVRE, ALUMINUM FRAME TO REMAIN
- D3 REMOVE EXISTING WALL MOUNTED GRAB BAR. PATCH HOLES IN BLOCK WALL AND TOUCH UP PAINT TO MATCH EXISTING
- D4 REMOVE PORTION OF EXISTING RADIATOR TO ALLOW FOR NEW UNIT INSTALLATION, REFER MECHANICAL
- D5 REMOVE WALL MOUNTED FRAMED TACKBOARD AND REINSTALL AT LOCATION DIRECTED BY OWNER
- D6 REMOVE EXISTING ROLLER SHADE AND HAND OVER TO OWNER
- D7 REMOVE EXISTING WALL MOUNTED WOOD SHELVING, REFER TO PHOTO 1
- D8 REMOVE EXISTING FULL HEIGHT WOOD STORAGE CABINET, REFER TO PHOTO 1
- D9 CUT BACK AND MODIFY EXISTING WALL MOUNTED FRAMED TACKBOARD TO ALLOW FOR NEW UNIT VENTILATOR
- D10 CUT AND REMOVE PORTION OF EXTERIOR WALL FOR NEW LOUVRE. EXISTING WALL CONSTRUCTION IS 300mm LIMESTONE EXTERIOR, 130mm AIR SPACE AND 200mm INTERIOR CONCRETE BLOCK. REFER ALSO TO STRUCTURAL AND MECHANICAL.
- D11 REMOVE EXISTING FLOOR MOUNTED ALUMINUM FRAMED CHALKBOARD UNIT, REFER TO PHOTO 2
- D12 CAREFULLY CUT BACK AND MODIFY EXISTING FRAMED TACKBOARD AND SLOPED CHALKBOARD BELOW, PROVIDE FINISHED END, REMOVE LOWER END METAL SHELVING UNIT(S). SHELVES TO BE RELOCATED, LOCATION TBD. REFER PHOTO 3
- D13 CAREFULLY CUT AND REMOVE PORTION OF GYPSUM BOARD CEILING AS REQUIRED TO COMPLETE WORK.
- D14 CUT AND REMOVE PORTION OF EXTERIOR WALL FOR NEW LOUVRE. EXISTING WALL CONSTRUCTION IS BRICK VENEER 130mm AIR SPACE, AND 200mm INTERIOR CONCRETE BLOCK. REFER ALSO TO STRUCTURAL AND MECHANICAL.
- D15 CUT AND REMOVE PORTION OF GYPSUM BOARD WALL FOR THE NEW DUCT OPENINGS. SEAL AROUND DUCT, PATCH AND PAINT AS REQUIRED TO MATCH EXISTING.
- D16 CAREFULLY CUT/CORE THROUGH EXISTING BLOCK WALL FOR NEW DUCT OPENING. SEAL AROUND DUCT, PATCH AND PAINT AS REQUIRED TO MATCH EXISTING.
- D17 REMOVE EXISTING LIGHT FIXTURE, REFER TO ELECTRICAL. PROVIDE NEW ACOUSTIC TILE TO MATCH EXISTING IN AREA OF REMOVAL
- D18 REMOVE GYPSUM BOARD AND STEEL STUD CHASE FROM FLOOR TO U/S OF CEILING
- D19 REMOVE EXISTING CEILING (13 FIBRE TILE ADHERED TO 13 GYPSUM BOARD ON WOOD FRAMING)
- D20 CAREFULLY SAWCUT AND REMOVE PORTION OF EXISTING TERRAZZO FLOOR AND 150 THICK CONCRETE SLAB AS REQUIRED FOR NEW ELECTRICAL WORK.
- D21 CAREFULLY REMOVE LOCKERS + TERRAZZO CURB AS REQUIRED FOR NEW ELECTRICAL WORK
- D22 REMOVE PORTION OF 150 THICK CONCRETE SLAB AND VGT FINISH AS REQUIRED FOR NEW ELECTRICAL WORK.

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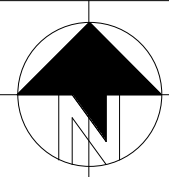
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1 GROUND FLOOR - PART 3

SCALE:
1 : 100

0m 2m 4m 6m 8m 10m



2	TC	ISSUED FOR ADDENDUM 1	2026-04-29
1	TC	ISSUED FOR TENDER & PERMIT	2026-04-08
No.	BY	REVISIONS/SUBMISSIONS	DATE



PROJECT
TISS - MECHANICAL REPLACEMENT
2510 PARKEDALE AVE., BROCKVILLE, ON

DRAWING
GROUND FLOOR PLAN PART 3 AND PHOTOS

SCALE:
1 : 100

PROFESSIONAL SEAL 	DRAWN ZB/MY	DATE
CHECKED LS	PRINTED	
REVIEWED TC	DRAWING No.	
PROJECT No. 24078		308
NOT FOR PERMIT OR CONSTRUCTION WITHOUT SEAL AND ISSUED NOTE		

DEMOLITION NOTES

- D1 REMOVE EXISTING SEALED INSULATING GLASS UNIT TO ACCOMMODATE NEW LOUVRE. ALUMINUM FRAME TO REMAIN.
- D2 REMOVE EXISTING ALUMINUM AINING OPERATOR TO ACCOMMODATE NEW LOUVRE. ALUMINUM FRAME TO REMAIN.
- D3 REMOVE EXISTING WALL MOUNTED GRAB BAR. PATCH HOLES IN BLOCK WALL AND TOUCH UP PAINT TO MATCH EXISTING.
- D4 REMOVE PORTION OF EXISTING RADIATOR TO ALLOW FOR NEW UNIT INSTALLATION. REFER MECHANICAL.
- D5 REMOVE WALL MOUNTED FRAMED TACKBOARD AND REINSTALL AT LOCATION DIRECTED BY OWNER.
- D6 REMOVE EXISTING ROLLER SHADE AND HAND OVER TO OWNER.
- D7 REMOVE EXISTING WALL MOUNTED PHOTO SHELVE, REFER TO PHOTO 1.
- D8 REMOVE EXISTING FULL HEIGHT WOOD STORAGE CABINET. REFER TO PHOTO 1.
- D9 CUT BACK AND MODIFY EXISTING WALL MOUNTED FRAMED TACKBOARD TO ALLOW FOR NEW UNIT VENTILATOR.
- D10 CUT AND REMOVE PORTION OF EXTERIOR WALL FOR NEW LOUVRE. EXISTING WALL CONSTRUCTION IS 90mm LIMESTONE EXTERIOR, 13mm AIR SPACE AND 200mm INTERIOR CONCRETE BLOCK. REFER ALSO TO STRUCTURAL AND MECHANICAL.
- D11 REMOVE EXISTING FLOOR MOUNTED ALUMINUM FRAMED CHALKBOARD UNIT. REFER TO PHOTO 2.
- D12 CAREFULLY CUT BACK AND MODIFY EXISTING FRAMED TACKBOARD AND SLOPED CHALKBOARD BELOW. PROVIDE FINISHED END. REMOVE LOWER END METAL SHELVING UNIT(S). SHELVES TO BE RELOCATED. LOCATION TBD. REFER PHOTO 3.
- D13 CAREFULLY CUT AND REMOVE PORTION OF GYPSUM BOARD CEILING AS REQUIRED TO COMPLETE WORK.
- D14 CUT AND REMOVE PORTION OF EXTERIOR WALL FOR NEW LOUVRE. EXISTING WALL CONSTRUCTION IS BRICK VENEER 13mm AIR SPACE, AND 200mm INTERIOR CONCRETE BLOCK. REFER ALSO TO STRUCTURAL AND MECHANICAL.
- D15 CUT AND REMOVE PORTION OF GYPSUM BOARD WALL FOR THE NEW DUCT OPENINGS. SEAL AROUND DUCT. PATCH AND PAINT AS REQUIRED TO MATCH EXISTING.
- D16 CAREFULLY CUT/CORE THROUGH EXISTING BLOCK WALL FOR NEW DUCT OPENING. SEAL AROUND DUCT. PATCH AND PAINT AS REQUIRED TO MATCH EXISTING.
- D17 REMOVE EXISTING LIGHT FIXTURE. REFER TO ELECTRICAL. PROVIDE NEW ACOUSTIC TILE TO MATCH EXISTING IN AREA OF REMOVAL.
- D18 REMOVE GYPSUM BOARD AND STEEL STUD CHASE FROM FLOOR TO U/S OF CEILING.
- D19 REMOVE EXISTING CEILING (13 FIBRE TILE ADHERED TO 13 GYPSUM BOARD ON WOOD FRAMING).
- D20 CAREFULLY SAWCUT AND REMOVE PORTION OF EXISTING TERRAZZO FLOOR AND 150 THICK CONCRETE SLAB AS REQUIRED FOR NEW ELECTRICAL WORK.
- D21 CAREFULLY REMOVE LOCKERS + TERRAZZO CURB AS REQUIRED FOR NEW ELECTRICAL WORK.
- D22 REMOVE PORTION OF 150 THICK CONCRETE SLAB AND VGT FINISH AS REQUIRED FOR NEW ELECTRICAL WORK.



CONSTRUCTION NOTES

- C1 PROVIDE PRE-FINISHED ALUMINUM LOUVRE IN EXISTING ALUMINUM WINDOW FRAME. REFER TO MECHANICAL.
- C2 PROVIDE NEW UNIT VENTILATOR WITH CUSTOM SHROUD TO U/S OF EXISTING CEILING. REFER MECHANICAL. NEW UV TO BE INSTALLED AS TIGHT AS POSSIBLE TO EXTERIOR AND ADJACENT WALLS.
- C3 PROVIDE NEW ROLLER SHADE.
- C4 PATCH AND PAINT WALL TO MATCH EXISTING IN AREA OF REMOVALS.
- C5 PROVIDE NEW FLOOR TILE AND BASE IN AREA OF REMOVALS TO MATCH EXISTING.
- C6 PROVIDE NEW FINISHED WOOD END PANEL ON EXISTING CABINETS TO REMAIN.
- C7 PROVIDE PRE-FINISHED ALUMINUM LOUVRE. REFER TO MECHANICAL.
- C8 RELOCATE TACKBOARD. LOCATION TBD.
- C9 EXISTING WALL MOUNTED SHELF TO REMAIN.
- C10 REMOVE FRAMED CHALKBOARD. PATCH AND PAINT WALL TO MATCH EXISTING.
- C11 EXISTING SUSPENDED ACOUSTIC CEILING TILE AND GRID TO REMAIN. REMOVE AS REQUIRED TO COMPLETE WORK. REFER ALSO TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS FOR LOCATIONS OF REMOVALS AND NEW WORK. REINSTALL TILES AND GRID UPON COMPLETION OF WORK. REPLACE TILES DAMAGED BY THIS CONTRACT.
- C12 NEW EXPOSED DUCTWORK. PROVIDE PAINT FINISH. REFER TO MECHANICAL.
- C13 NEW WALL MOUNTED A/C UNIT. REFER TO MECHANICAL.
- C14 PATCH GYPSUM BOARD CEILING IN AREA OF REMOVALS. PROVIDE NEW PAINT FINISH ON ENTIRE CEILING.
- C15 REMOVE PORTION OF EXISTING SUSPENDED TECTUM TILE AND GRID AS REQUIRED TO COMPLETE WORK. REFER ALSO TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS. REINSTALL TILES AND GRID UPON COMPLETION OF WORK. REPLACE TILES DAMAGED BY THIS CONTRACT.
- C16 PROVIDE NEW CEILING TILE IN AREAS OF FAN REMOVALS AND REPLACEMENTS AS REQUIRED.
- C17 PATCH FLOOR AT LOCATION OF MECHANICAL REMOVALS WITH STEEL DECK AND CONCRETE. REFER TO STRUCTURAL.
- C18 RELOCATE LIGHT FIXTURE. REFER TO ELECTRICAL. ALLOW FOR 2 NEW ACOUSTIC CEILING TILES TO MATCH EXISTING AT EACH LIGHT RELOCATION LOCATION.
- C20 PROVIDE CUSTOM METAL FILLER PANEL(S) FROM NEW UNIT TO WALL/WINDOW FRAME. FULL HEIGHT. MIN. 20 GAUGE. COLOUR TO MATCH UNIT CABINET COLOUR.
- C21 PATCH VGT AND VINYL WALL BASE IN AREA OF REMOVALS TO MATCH EXISTING.
- C22 PATCH AND MODIFY ACOUSTIC TILE CEILING AND GRID IN AREA OF REMOVALS.
- C23 PRIME AND PAINT EXISTING UNPAINTED CONCRETE BLOCK WALLS THROUGHOUT.
- C24 PROVIDE NEW PAINT FINISH ON EXISTING GYPSUM BOARD CEILING.
- C25 PROVIDE NEW PAINT FINISH ON EXISTING PAINTED CONCRETE BLOCK WALLS THROUGHOUT.
- C26 PROVIDE 100mm THICK INSULATED METAL BLANK OFF PANEL ON BACK OF EXISTING LOUVRES TO REMAIN. SEAL AND MAKE WEATHERTIGHT.
- C27 PROVIDE NEW 610 X 1220 SUSPENDED ACOUSTIC TILE CEILING AND GRID.
- C28 PATCH CONCRETE FLOOR + TERRAZZO FINISH IN AREA OF REMOVALS TO MATCH EXISTING.
- C29 REBUILD LOCKER CURB WITH COVERED TERRAZZO BASE AND REINSTALL LOCKERS.
- C30 PATCH CONCRETE FLOOR + VGT FINISH IN AREA OF REMOVALS TO MATCH EXISTING.
- C31 AREA OF MASONRY REPAIR. REFER TO STRUCTURAL. PROVIDE PAINT FINISH TO MATCH EXISTING.

NOTES

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2	TC	ISSUED FOR APPENDUM 1	2026-04-29
1	TC	ISSUED FOR TENDER & PERMIT	2026-04-09
No.	BY	REVISIONS/SUBMISSIONS	DATE

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PROJECT

**TISS - MECHANICAL
REPLACEMENT**
2510 PARKEDALE AVE., BROCKVILLE,
ON

DRAWING

GROUND FLOOR PLAN PART 4

SCALE

1 : 100

PROFESSIONAL SEAL
ONTARIO ASSOCIATION
OF
ARCHITECTS
TODD M. COLBOURNE
LICENCE
4157

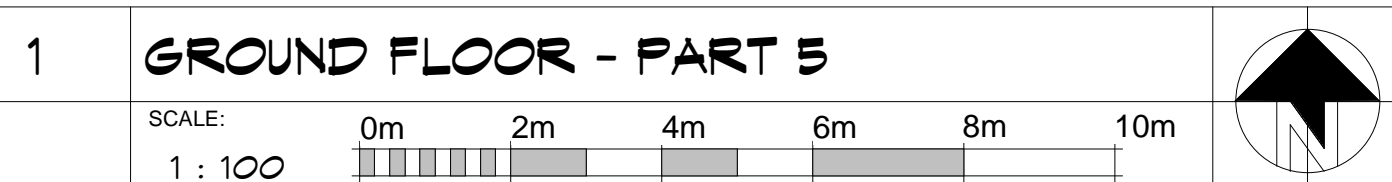
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CHECKED	LS	PRINTED
REVIEWED	TC	DRAWING No.
PROJECT No.	4157	24078

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309

D1	REMOVE EXISTING SEALED INSULATING GLASS UNIT TO ACCOMMODATE NEW LOUVRE. ALUMINUM FRAME TO REMAIN
D2	REMOVE EXISTING ALUMINUM SPINNING OPERATOR TO ACCOMMODATE NEW LOUVRE. ALUMINUM FRAME TO REMAIN
D3	REMOVE EXISTING WALL MOUNTED GRAB BAR. PATCH HOLES IN BLOCK WALL AND TOUCH UP PAINT TO MATCH EXISTING
D4	REMOVE PORTION OF EXISTING RADIATOR TO ALLOW FOR NEW UNIT INSTALLATION. REFER TO ELECTRICAL. PATCH AND PAINT AS REQUIRED TO MATCH EXISTING
D5	REMOVE WALL MOUNTED FRAMED TACKBOARD AND REINSTALL AT LOCATION DIRECTED BY OWNER
D6	REMOVE EXISTING ROLLER SHADE AND HAND OVER TO OWNER
D7	REMOVE EXISTING WALL MOUNTED WOOD SHELVING. REFER TO PHOTO 1
D8	REMOVE EXISTING FULL HEIGHT STORAGE CABINET. REFER TO PHOTO 1
D9	CUT BACK AND MODIFY EXISTING WALL MOUNTED FRAMED TACKBOARD TO ALLOW FOR NEW UNIT VENTILATOR
D10	CUT AND REMOVE PORTION OF EXTERIOR WALL FOR NEW LOUVRE. EXISTING WALL CONSTRUCTION IS 8" CONCRETE BLOCK, 13mm AIR SPACE, AND 200mm INTERIOR CONCRETE BLOCK. REFER ALSO TO STRUCTURAL AND MECHANICAL.
D11	REMOVE EXISTING FLOOR MOUNTED ALUMINUM FRAMED CHALKBOARD UNIT. REFER TO PHOTO 2
D12	CAREFULLY CUT BACK AND MODIFY EXISTING FRAMED TACKBOARD AND SLOPED CHALKBOARD BELONG. PROVIDE FINISHED END. REMOVE LOWER END SHELVING UNITS(S). SHELVES TO BE RELOCATED. LOCATION TBD. REFER PHOTO 3
D13	CAREFULLY CUT AND REMOVE PORTION OF GYPSUM BOARD CEILING AS REQUIRED TO COMPLETE WORK.
D14	CUT AND REMOVE PORTION OF EXISTING WALL FOR NEW LOUVRE. EXISTING WALL CONSTRUCTION IS BRICK VENEER 13mm AIR SPACE, AND 200mm INTERIOR CONCRETE BLOCK. REFER ALSO TO STRUCTURAL AND MECHANICAL.
D15	CUT AND REMOVE PORTION OF GYPSUM BOARD WALL FOR THE NEW DUCT OVERLAP. SEAL AROUND DUCT, PATCH AND PAINT AS REQUIRED TO MATCH EXISTING.
D16	REMOVE EXISTING CUT/SCORE THROUGH EXISTING BLOCK WALL FOR NEW DUCT OPENING. SEAL AROUND DUCT, PATCH AND PAINT AS REQUIRED TO MATCH EXISTING.
D17	REMOVE EXISTING LIGHT FIXTURE. REFER TO ELECTRICAL. PROVIDE NEW ACOUSTIC TILE TO MATCH EXISTING IN AREA OF REMOVAL.
D18	REMOVE GYPSUM BOARD AND STEEL STUD CHASE FROM FLOOR TO U/S OF CEILING
D19	REMOVE EXISTING CEILING (13 FIBRE TILE ADHERED TO 13 GYPSUM BOARD ON WOOD FRAMING)
D20	CAREFULLY CUT/OUT AND REMOVE PORTION OF EXISTING TERRAZZO FLOOR AND 150 THICK CONCRETE SLAB AS REQUIRED FOR NEW ELECTRICAL WORK.
D21	CAREFULLY REMOVE LOCKERS + TERRAZZO CURB AS REQUIRED FOR NEW ELECTRICAL WORK.
D22	REMOVE PORTION OF 150 THICK CONCRETE SLAB AND VCT FINISH AS REQUIRED FOR NEW ELECTRICAL WORK.

C1	PROVIDE PRE-FINISHED ALUMINUM LOUVRE N EXISTING ALUMINUM WINDOW FRAME, REFER TO MECHANICAL.
C2	PROVIDE NEW UNIT VENTILATOR WITH CUSTOM SHROUD TO U/S OF EXISTING CEILING, REFER MECHANICAL. NEW UV TO BE INSTALLED AS TIGHT AS POSSIBLE TO EXTERIOR AND ADJACENT WALLS.
C3	PROVIDE NEW ROLLER SHADE.
C4	PATCH AND PAINT WALL TO MATCH EXISTING IN AREA OF REMOVALS.
C5	REMOVE NEW FLOOR TILE AND BASE IN AREA OF REMOVALS TO MATCH EXISTING.
C6	REMOVE NEW FINISHED WOOD END PANEL ON EXISTING CABINETS TO REMAIN.
C7	PROVIDE PRE-FINISHED ALUMINUM LOUVRE, REFER TO MECHANICAL.
C8	RELOCATE TAGBOARD, LOCATION TBD.
C9	EXISTING WALL MOUNTED SHELF TO REMAIN.
C10	REMOVE FRAMED CHALKBOARD, PATCH AND PAINT WALL TO MATCH EXISTING.
C11	EXISTING SUSPENDED ACOUSTIC CEILING TILE AND GRID TO REMAIN, REMOVE AS REQUIRED TO COMPLETE WORK. REFER ALSO TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS FOR LOCATIONS OF REMOVALS AND NEW WORK. REINSTALL TILES AND GRID UPON COMPLETION OF WORK. REPLACE TILES DAMAGED BY THIS CONTRACT.
C12	NEW EXPOSED DUCTWORK, PROVIDE PAINT FINISH, REFER TO MECHANICAL.
C13	NEW WALL MOUNTED A/C UNIT, REFER TO MECHANICAL.
C14	PATCH GYPSUM BOARD CEILING IN AREA OF REMOVALS, PROVIDE NEW PAINT FINISH ON ENTIRE CEILING.
C15	REMOVE PORTION OF EXISTING SUSPENDED TEXTURE TILE AND GRID AS REQUIRED TO COMPLETE WORK. REFER ALSO TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS. REINSTALL TILES AND GRID UPON COMPLETION OF WORK. REPLACE TILES DAMAGED BY THIS CONTRACT.
C16	REMOVE NEW CEILING TILE IN AREAS OF FAN REMOVALS AND REPLACEMENTS AS REQUIRED.
C17	PATCH FLOOR AT LOCATION OF MECHANICAL REMOVALS WITH STEEL DECK AND CONCRETE, REFER TO STRUCTURAL.
C18	RELOCATE LIGHT FIXTURE, REFER TO ELECTRICAL. ALLOW FOR 2 NEW ACOUSTIC CEILING TILES TO MATCH EXISTING AT EACH LIGHT RELOCATION LOCATION.
C20	PROVIDE CUSTOM METAL FILLER PANEL(S) FROM NEW UNIT TO WALL/WINDOW FRAME, FULLY HEIGHT, MIN. 20 GAUGE, COLOUR TO MATCH UNIT CABINET COLOUR.
C21	REMOVE CEILING AND VENTILATOR IN AREA OF REMOVALS TO MATCH EXISTING.
C22	PATCH AND MOUNT ACOUSTIC TILE CEILING AND GRID IN AREA OF REMOVALS.
C23	PRIME AND PAINT EXISTING UNPAINTED CONCRETE BLOCK WALLS THROUGHOUT.
C24	PROVIDE NEW PAINT FINISH ON EXISTING GYPSUM BOARD CEILING.
C25	PROVIDE NEW PAINT FINISH ON EXISTING PAINTED CONCRETE BLOCK WALLS THROUGHOUT.
C26	REMOVE 1/2" THICK INSULATED METAL BLANK OFF PANEL ON BACK OF EXISTING LOUVRES TO REMAIN, SEAL AND MAKE WEATHERTIGHT.
C27	PROVIDE NEW 610 x 1220 SUSPENDED ACOUSTIC TILE CEILING AND GRID.
C28	PATCH CONCRETE FLOOR + TERRAZZO FINISH IN AREA OF REMOVALS TO MATCH EXISTING.
C29	REINSTALL LOCKER URBIS WITH COVERED TERRAZZO BASE AND REINSTALL LOCKERS.
C30	PATCH CONCRETE FLOOR + VCT FINISH IN AREA OF REMOVALS TO MATCH EXISTING.
C31	ANALYSIS OF MASONRY REPAIR, REFER TO STRUCTURAL. PROVIDE PAINT FINISH TO MATCH EXISTING.



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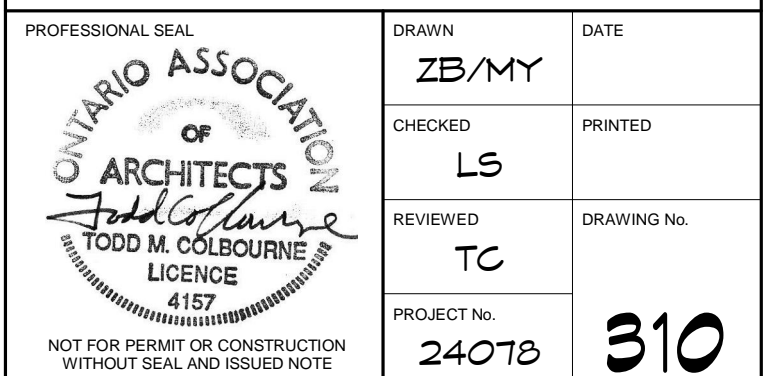
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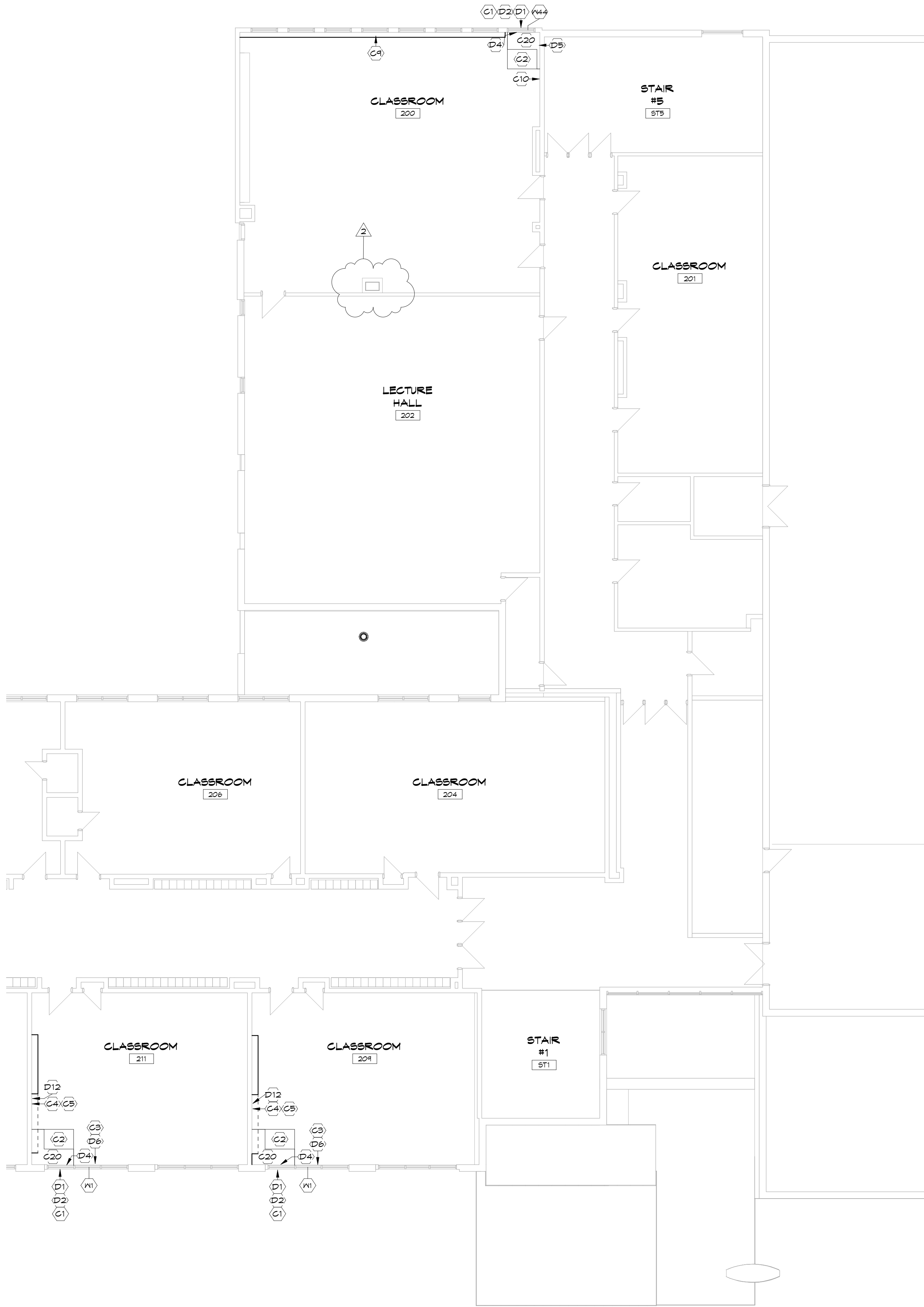
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**TISS - MECHANICAL
REPLACEMENT**
2510 PARKEDALE AVE., BROCKVILLE,
ON

GROUND FLOOR PLAN - PART 5

1 : 100





DEMOLITION NOTES

D1	REMOVE EXISTING SEALED INSULATING GLASS UNIT TO ACCOMMODATE NEW LOUVRE, ALUMINUM FRAME TO REMAIN
D2	REMOVE EXISTING ALUMINUM WINNING OPERATOR TO ACCOMMODATE NEW LOUVRE, ALUMINUM FRAME TO REMAIN
D3	REMOVE EXISTING WALL MOUNTED GRAB BAR. PATCH HOLES IN BLOCK WALL AND TOUCH UP PAINT TO MATCH EXISTING
D4	REMOVE PORTION OF EXISTING RADIATOR TO ALLOW FOR NEW UNIT INSTALLATION, REFER MECHANICAL
D5	REMOVE WALL MOUNTED FRAMED TACKBOARD AND REINSTALL AT LOCATION DIRECTED BY OWNER
D6	REMOVE EXISTING ROLLER SHADE AND HAND OVER TO OWNER
D7	REMOVE EXISTING WALL MOUNTED WOOD SHELVING, REFER TO PHOTO 1
D8	REMOVE EXISTING FULL HEIGHT WOOD STORAGE CABINET, REFER TO PHOTO 1
D9	CUT BACK AND MODIFY EXISTING WALL MOUNTED FRAMED TACKBOARD TO ALLOW FOR NEW UNIT VENTILATOR
D10	CUT AND REMOVE PORTION OF EXTERIOR WALL FOR NEW LOUVRE. EXISTING WALL CONSTRUCTION IS 50mm LIMESTONE EXTERIOR, 13mm AIR SPACE AND 200mm INTERIOR CONCRETE BLOCK. REFER ALSO TO STRUCTURAL AND MECHANICAL
D11	REMOVE EXISTING FLOOR MOUNTED ALUMINUM FRAMED CHALKBOARD UNIT, REFER TO PHOTO 2
D12	CAREFULLY CUT BACK AND MODIFY EXISTING FRAMED TACKBOARD AND SLOPED CHALKBOARD BELOW. PROVIDE FINISHED END, REMOVE LOWER END METAL SHELVING UNIT(S). SHELVES TO BE RELOCATED, LOCATION TBD, REFER PHOTO 3.
D13	CAREFULLY CUT AND REMOVE PORTION OF GYPSUM BOARD CEILING AS REQUIRED TO COMPLETE WORK.
D14	CUT AND REMOVE PORTION OF EXTERIOR WALL FOR NEW LOUVRE, EXISTING WALL CONSTRUCTION IS BRICK VENEER 13mm AIR SPACE, AND 200mm INTERIOR CONCRETE BLOCK. REFER ALSO TO STRUCTURAL AND MECHANICAL.
D15	CUT AND REMOVE PORTION OF GYPSUM BOARD WALL FOR THE NEW DUCT OPENINGS. SEAL AROUND DUCT, PATCH AND PAINT AS REQUIRED TO MATCH EXISTING.
D16	CAREFULLY CUT/CORE THROUGH EXISTING BLOCK WALL FOR NEW DUCT OPENING. SEAL AROUND DUCT, PATCH AND PAINT AS REQUIRED TO MATCH EXISTING.
D17	REMOVE EXISTING LIGHT FIXTURE, REFER TO ELECTRICAL. PROVIDE NEW ACOUSTIC TILE TO MATCH EXISTING IN AREA OF REMOVAL.
D19	REMOVE EXISTING CEILING (13 FIBRE TILE ADHERED TO 13 GYPSUM BOARD ON WOOD FRAMING)
D20	CAREFULLY SAWCUT AND REMOVE PORTION OF EXISTING TERRAZZO FLOOR AND 150 THICK CONCRETE SLAB AS REQUIRED FOR NEW ELECTRICAL WORK.
D21	CAREFULLY REMOVE LOCKERS + TERRAZZO CURB AS REQUIRED FOR NEW ELECTRICAL WORK
D22	REMOVE PORTION OF 150 THICK CONCRETE SLAB AND VCT FINISH AS REQUIRED FOR NEW ELECTRICAL WORK

CONSTRUCTION NOTES

C1	PROVIDE PRE-FINISHED ALUMINUM LOUVRE IN EXISTING ALUMINUM WINDOW FRAME, REFER TO MECHANICAL
C2	PROVIDE NEW UNIT VENTILATOR WITH CUSTOM SHROUD TO U/S OF EXISTING CEILING. REFER MECHANICAL. NEW UV TO BE INSTALLED AS TIGHT AS POSSIBLE TO EXTERIOR AND ADJACENT WALLS
C3	PROVIDE NEW ROLLER SHADE
C4	PATCH AND PAINT WALL TO MATCH EXISTING IN AREA OF REMOVALS
C5	PROVIDE NEW FLOOR TILE AND BASE IN AREA OF REMOVALS TO MATCH EXISTING
C6	PROVIDE NEW FINISHED WOOD END PANEL ON EXISTING CABINETS TO REMAIN
C7	PROVIDE PRE-FINISHED ALUMINUM LOUVRE, REFER TO MECHANICAL
C8	RELOCATE TACKBOARD, LOCATION TBD
C9	EXISTING WALL MOUNTED SHELF TO REMAIN
C10	REMOVE FRAMED CHALKBOARD, PATCH AND PAINT WALL TO MATCH EXISTING
C11	EXISTING SUSPENDED ACOUSTIC CEILING TILE AND GRID TO REMAIN. REMOVE AS REQUIRED TO COMPLETE WORK. REFER ALSO TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS FOR LOCATIONS OF REMOVALS AND NEW WORK. REINSTALL TILES AND GRID UPON COMPLETION OF WORK. REPLAC TILES DAMAGED BY THIS CONTRACT.
C12	NEW EXPOSED DUCTWORK, PROVIDE PAINT FINISH, REFER TO MECHANICAL
C13	NEW WALL MOUNTED A/C UNIT, REFER TO MECHANICAL
C14	PATCH GYPSUM BOARD CEILING IN AREA OF REMOVALS, PROVIDE NEW PAINT FINISH ON ENTIRE CEILING.
C15	REMOVE PORTION OF EXISTING SUSPENDED TECTUM TILE AND GRID AS REQUIRED TO COMPLETE WORK. REFER ALSO TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS. REINSTALL TILES AND GRID UPON COMPLETION OF WORK. REPLACE TILES DAMAGED BY THIS CONTRACT.
C16	PROVIDE NEW CEILING TILE IN AREAS OF FAN REMOVALS AND REPLACEMENTS AS REQUIRED.
C17	PATCH FLOOR AT LOCATION OF MECHANICAL REMOVALS WITH STEEL DECK AND CONCRETE, REFER TO STRUCTURAL.
C18	RELOCATE LIGHT FIXTURE, REFER TO ELECTRICAL. ALLOW FOR 2 NEW ACOUSTIC CEILING TILES TO MATCH EXISTING AT EACH LIGHT RELOCATION LOCATION
C20	PROVIDE CUSTOM METAL FILLER PANEL(S) FROM NEW UNIT TO WALL/WINDOW FRAME, FULL HEIGHT, MIN. 20 GAUGE, COLOUR TO MATCH UNIT CABINET COLOUR
C23	PRIME AND PAINT EXISTING UNPAINTED CONCRETE BLOCK WALLS THROUGHOUT.
C24	PROVIDE NEW PAINT FINISH ON EXISTING GYPSUM BOARD CEILING
C25	PROVIDE NEW PAINT FINISH ON EXISTING PAINTED CONCRETE BLOCK WALLS THROUGHOUT.
C26	PROVIDE 100mm THICK INSULATED METAL BLANK OFF PANEL ON BACK OF EXISTING LOUVRES TO REMAIN, SEAL AND MAKE WEATHERTIGHT.
C27	PROVIDE NEW 610 X 1220 SUSPENDED ACOUSTIC TILE CEILING AND GRID
C28	PATCH CONCRETE FLOOR + TERRAZZO FINISH IN AREA OF REMOVALS TO MATCH EXISTING.
C29	REBUILD LOCKER CURB WITH COVER TERRAZZO BASE AND REINSTALL LOCKERS.
C30	PATCH CONCRETE FLOOR + VCT FINISH IN AREA OF REMOVALS TO MATCH EXISTING.
C31	AREA OF MASONRY REPAIR, REFER TO STRUCTURAL. PROVIDE PAINT FINISH TO MATCH EXISTING.

NOTES

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2	TC	ISSUED FOR APPENDUM 1	2026-04-29
1	TC	ISSUED FOR TENDER & PERMIT	2026-04-09
NO.	BY	REVISIONS/SUBMISSIONS	DATE

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PROJECT

TISS - MECHANICAL
REPLACEMENT
2510 PARKEDALE AVE., BROCKVILLE,
ON

DRAWING

SECOND FLOOR PLAN - PART 4

SCALE

1 : 100

PROFESSIONAL SEAL

TODD M. COLBOURNE
LICENCE
4157

NOT FOR PERMIT OR CONSTRUCTION
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PROJECT NO.	24078	313

ADDENDUM # E001

PROJECT NAME: TISS – Mechanical Replacement - 2510 Parkedale Ave. Brockville ON.

PROJECT #: 25020

DATE: April 30, 2026

DISTRIBUTION:

CKA

Laura Saucier

laura@ckai.ca

Will Hermer

Will.H@ckai.ca

R.J. McKee Engineering

B. Thornhill, S. Chenier

1. Reference Electrical Drawings and Specifications – Issued for Tender & Permit, April 8, 2026.

.1 Drawings:

.1 Revise layouts as indicated on attached drawings E000, ES101, ED101, E001, E102, E103 and E401 – Issued for ADDE001, 2026-04-29.

.2 Add drawing ED101A – Issued for ADDE001, 2026-04-29.

.2 Specifications:

.1 Add attached Section 26 05 14.1 Power Cable 46000V, 2026-04-29.

.2 Refer to Section 26 05 21 Wires and Cables 0-1000V, item 2.1.1. Replace with: Conductors shall be stranded, all sizes.

.3 Delete Section 26 11 13 – Unit Substations.

.4 Add attached Section 26 12 16.01 Dry Type Transformers Up to 600V Primary, 2026-04-29.

.5 Replace Section 26 12 19 Pad Mounted Distribution Transformers – Customer Owned with attached section dated 2026-04-29.

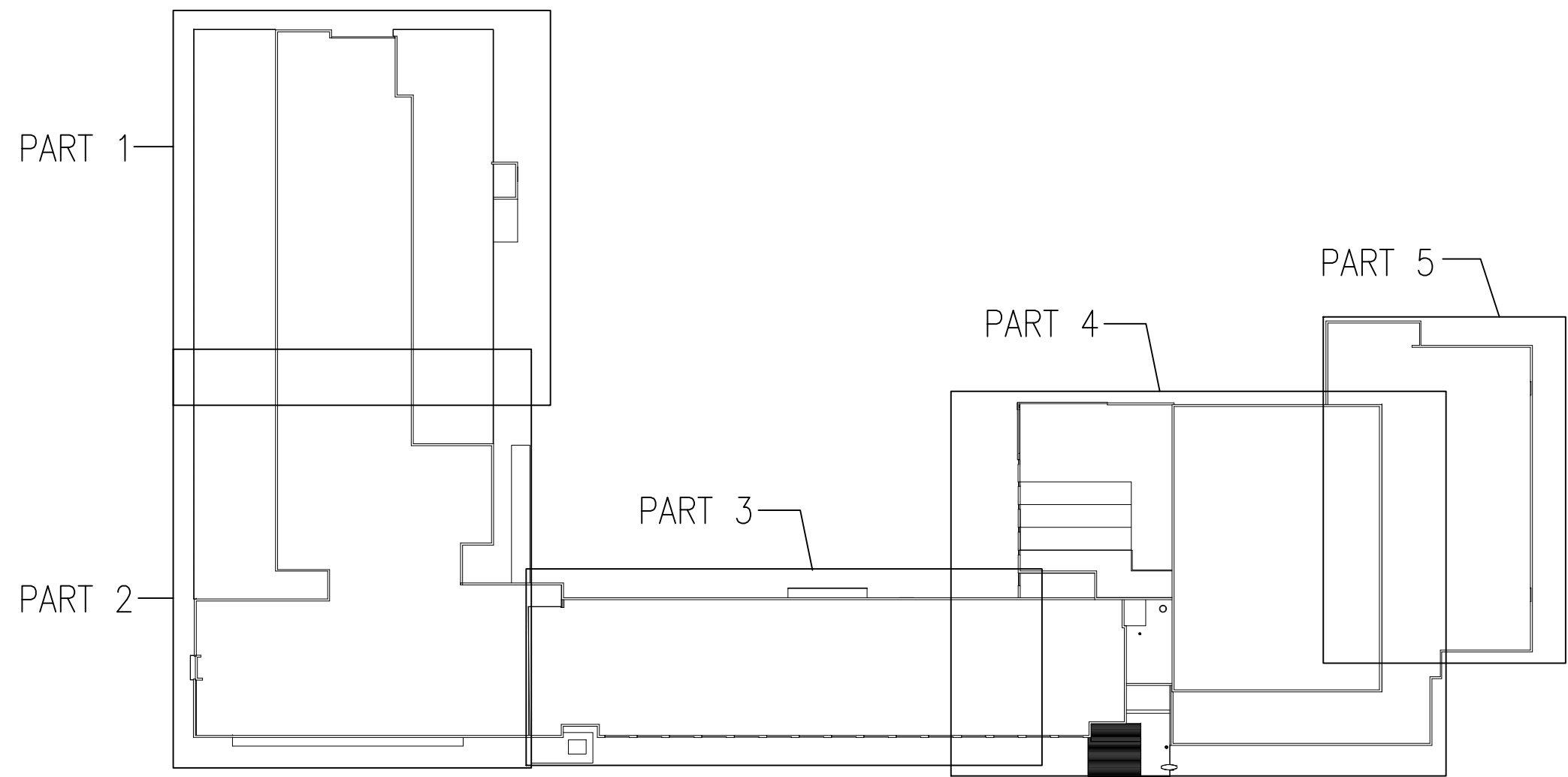
.6 Replace Section 26 24 02 Service Entrance Switchboard with attached section dated 2026-04-29.

.7 Replace Section 26 24 16.01 Panelboards – Breaker Type with attached section dated 2026-04-29.

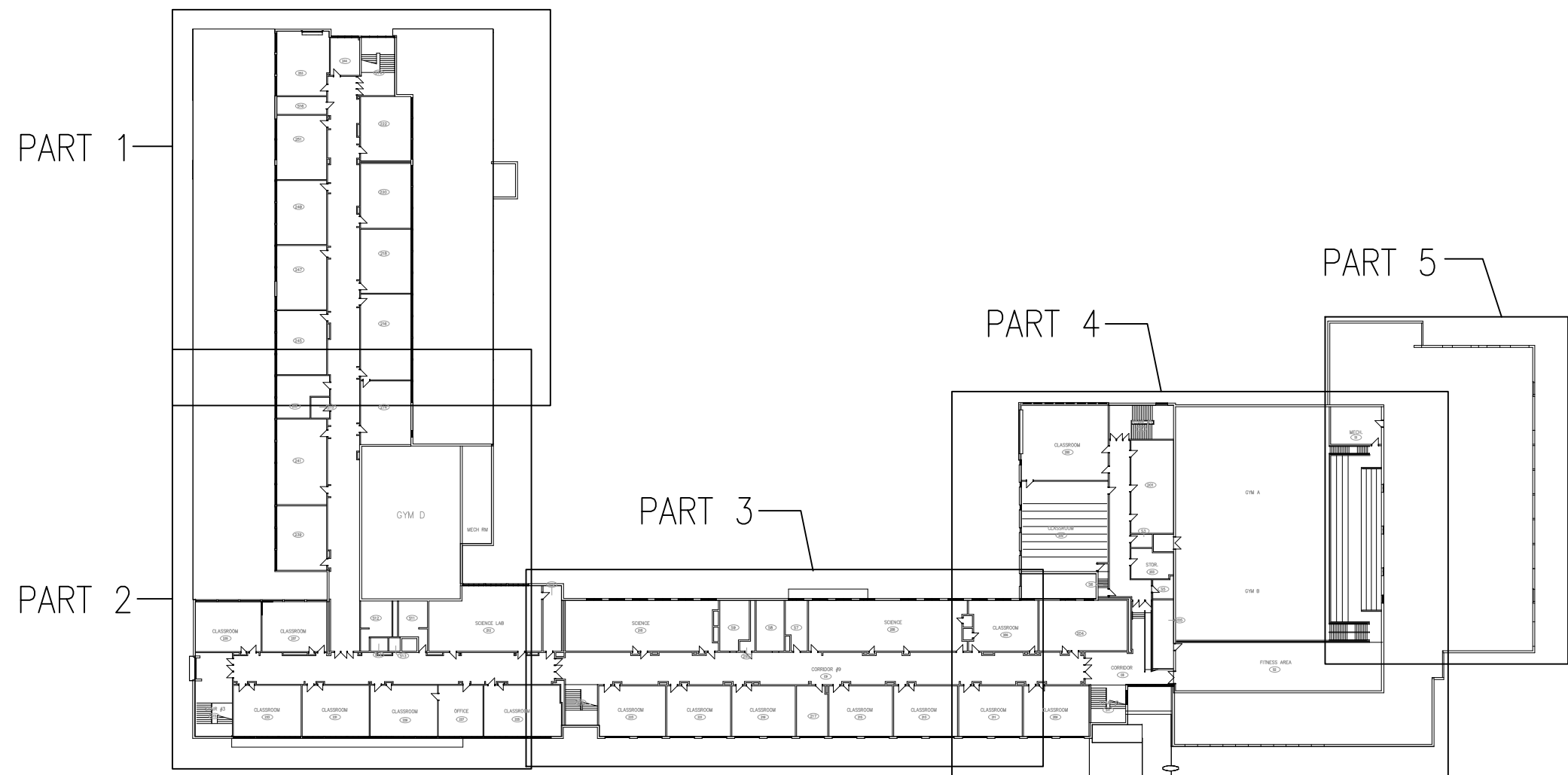
- .8 Refer to Section 26 28 19 Protective Device Coordination and Arc Flash Study, item 1.3.2: replace 8.32 kV with 44 kV.
- .9 Refer to the following sections, revise acceptable materials to be Square D only:
 - .1 Section 26 28 23 Disconnect Switches – Fused and Non-Fused
 - .2 Section 26 29 01 Contactors
 - .3 Section 26 29 10 Motor Starters to 600V
 - .4 Section 26 43 13 Surge Protective Devices (SPDs)
- .10 Refer to Section 26 43 13 Surge Protective Devices (SPDs):
 - .1 Item 2.1.8, replace with: Unit Operating Voltage – 120/208V and 347/600V as indicated on drawings.
 - .2 Item 2.1.17, add the following maximum VPR values:
Modes L-N; L-G; N-G: 1500 at 600Y/347
Modes L-L: 3000 at 600Y/347

END OF ADDENDUM

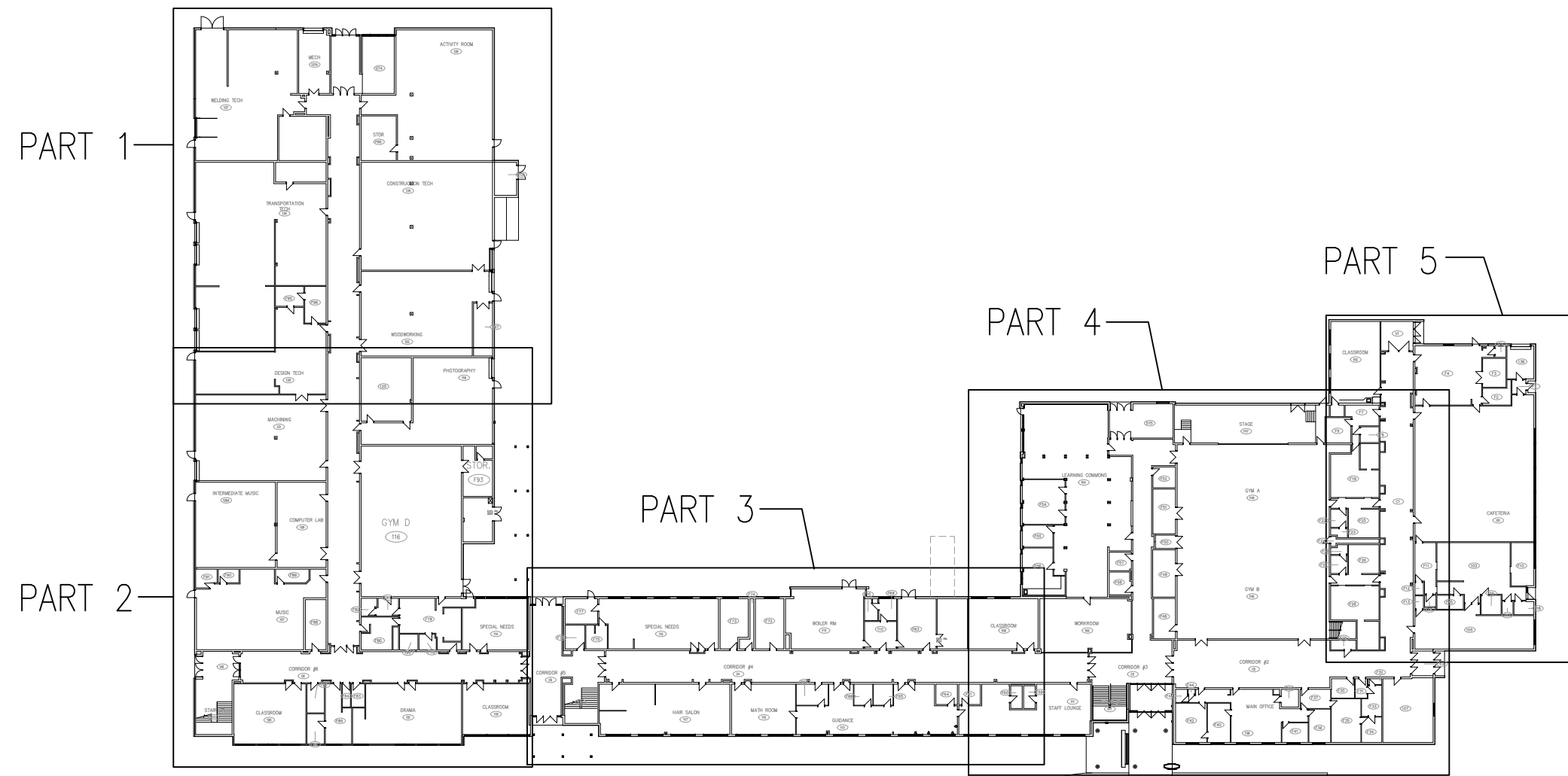
Signed: Brian Thornhill
Brian Thornhill, P.Eng.
Vice President – Electrical



1
E000
ROOF PLAN – KEYPLAN
N.T.S.



2
E000
SECOND FLOOR – KEYPLAN
N.T.S.



3
E000
GROUND FLOOR – KEYPLAN
N.T.S.

ELECTRICAL DRAWING LIST

DWG. #	DESCRIPTION
E000	ELECTRICAL: LEGEND, DRAWING LIST AND KEYPLAN
ES001	ELECTRICAL: SITE PLAN
ED101	ELECTRICAL: GROUND FLOOR PART 2 – DEMOLITION
ED101A	ELECTRICAL: GROUND FLOOR PART 3 – DEMOLITION
ED102	ELECTRICAL: GROUND FLOOR PART 4 – DEMOLITION
ED103	ELECTRICAL: SECOND FLOOR PART 1 – DEMOLITION
ED104	ELECTRICAL: SECOND FLOOR PART 2 – DEMOLITION
ED105	ELECTRICAL: SECOND FLOOR PART 4 – DEMOLITION
ED106	ELECTRICAL: ROOF PLAN PART 1 – DEMOLITION
ED107	ELECTRICAL: ROOF PLAN PART 3 – DEMOLITION
ED108	ELECTRICAL: ROOF PLAN PART 4 – DEMOLITION
ED109	ELECTRICAL: ROOF PLAN PART 5 – DEMOLITION
E001	ELECTRICAL: SINGLE LINE DIAGRAM
E101	ELECTRICAL: GROUND FLOOR PART 1 – SYSTEMS
E102	ELECTRICAL: GROUND FLOOR PART 2 – SYSTEMS
E103	ELECTRICAL: GROUND FLOOR PART 3 – SYSTEMS
E104	ELECTRICAL: GROUND FLOOR PART 4 – SYSTEMS
E105	ELECTRICAL: GROUND FLOOR PART 5 – SYSTEMS
E201	ELECTRICAL: SECOND FLOOR PART 1 – SYSTEMS
E202	ELECTRICAL: SECOND FLOOR PART 2 – SYSTEMS
E203	ELECTRICAL: SECOND FLOOR PART 3 – SYSTEMS
E204	ELECTRICAL: SECOND FLOOR PART 4 – SYSTEMS
E301	ELECTRICAL: ROOF PLAN PART 1 – POWER
E302	ELECTRICAL: ROOF PLAN PART 2 – POWER
E303	ELECTRICAL: ROOF PLAN PART 3 – POWER
E304	ELECTRICAL: ROOF PLAN PART 4 – POWER
E305	ELECTRICAL: ROOF PLAN PART 5 – POWER
E401	ELECTRICAL: DETAILS

REMOVE	EXISTING TO REMAIN	NEW AND/OR RELOCATED	ELECTRICAL LEGEND
			FLUORESCENT FIXTURE.
			DOWNLIGHT FIXTURE, LETTER DENOTES TYPE.
			LOW VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR, CEILING MOUNTED.
			EXIT LIGHT, CEILING MOUNTED, C/W DIRECTIONAL ARROWS AS NOTED.
			EMERGENCY TWIN REMOTE HEADS.
			FIRE ALARM CONTROL PANEL.
			SMOKE DETECTOR, CEILING MOUNTED TYPE.
			SUPERVISED VALVE.
			FIRE ALARM INTELLIGENT ADDRESSABLE MODULE.
			END OF LINE RESISTOR.
			MOTOR CONNECTION.
			MOTOR RATED SWITCH.
			SURFACE MOUNTED ELECTRICAL PANEL.
			UTILITY METER.
			DIGITAL CHECK METER
			SPECIAL RECEPTACLE IS NOTED. 20A, 120V, 3-20A DUPLEX RECEPTACLE U.O.N.
			15A, 120V, DUPLEX RECEPTACLE. LINE ACROSS INDICATES ELEVATED HEIGHT.
			DISCONNECT SWITCH.
			MAGNETIC STARTER. (C DENOTES COMBINATION STARTER).
			SPEED CONTROL.
			TRANSFORMER (RATED AS SHOWN).
			TV OUTLET BACK BOX.
			LOCAL PAGING SPEAKER. CEILING MOUNTED TYPE.
			WIRELESS ACCESS POINT.
			CEILING MOUNTED CAMERA.
ABBREVIATIONS: WP – WEATHER PROOF U.O.N. – UNLESS OTHERWISE NOTED S – SURFACE MOUNTED N.T.S. – NOT TO SCALE N.I.C. – NOT IN CONTRACT RL – DENOTES EXISTING ITEM TO BE RELOCATED IN NEW POSITION 			

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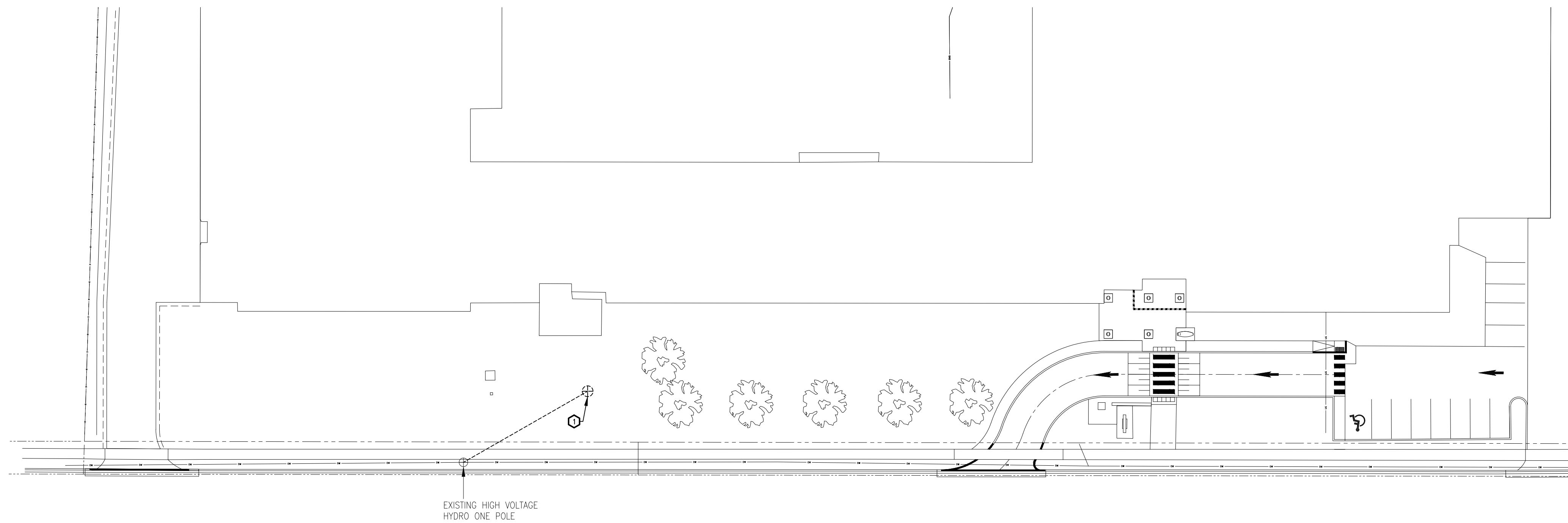
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REVISION No.	DESCRIPTION	DATE

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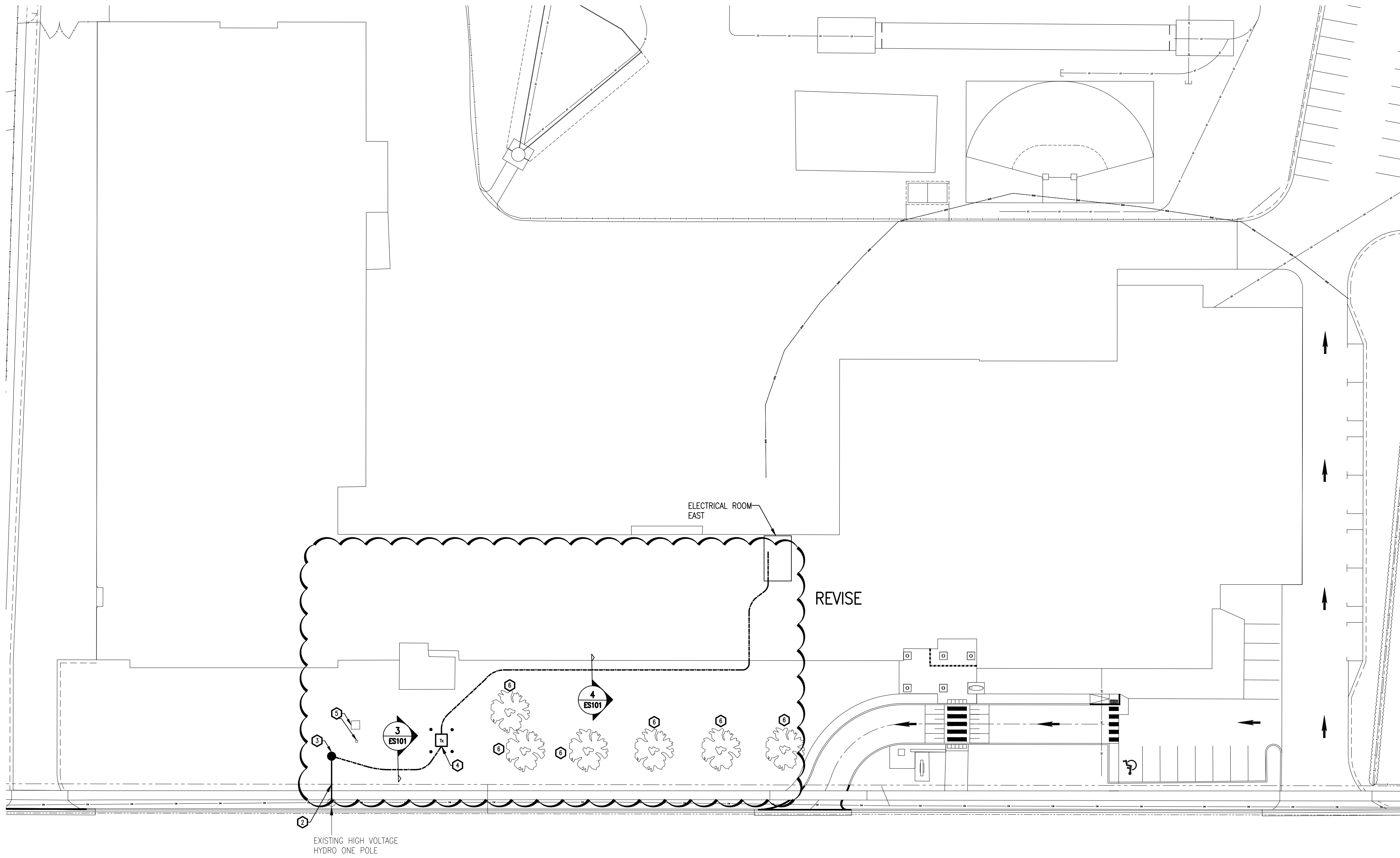
PROJECT:
TISS – MECHANICAL REPLACEMENT
2510 PARKEDALE AVE
BROCKVILLE, ON

DRAWING:
ELECTRICAL:
LEGEND, DRAWING LIST
AND KEYPLAN

	DATE: APRIL 2025
	DESIGNED BY: J.F.B.
	DRAWN BY: J.F.B.
	CHECKED BY: B.T.
	SCALE: N.T.S.
No. DWGS. 28	DRAWING No.
PROJECT No. 25020	E000



1 SITE PLAN – DEMOLITION
ES101

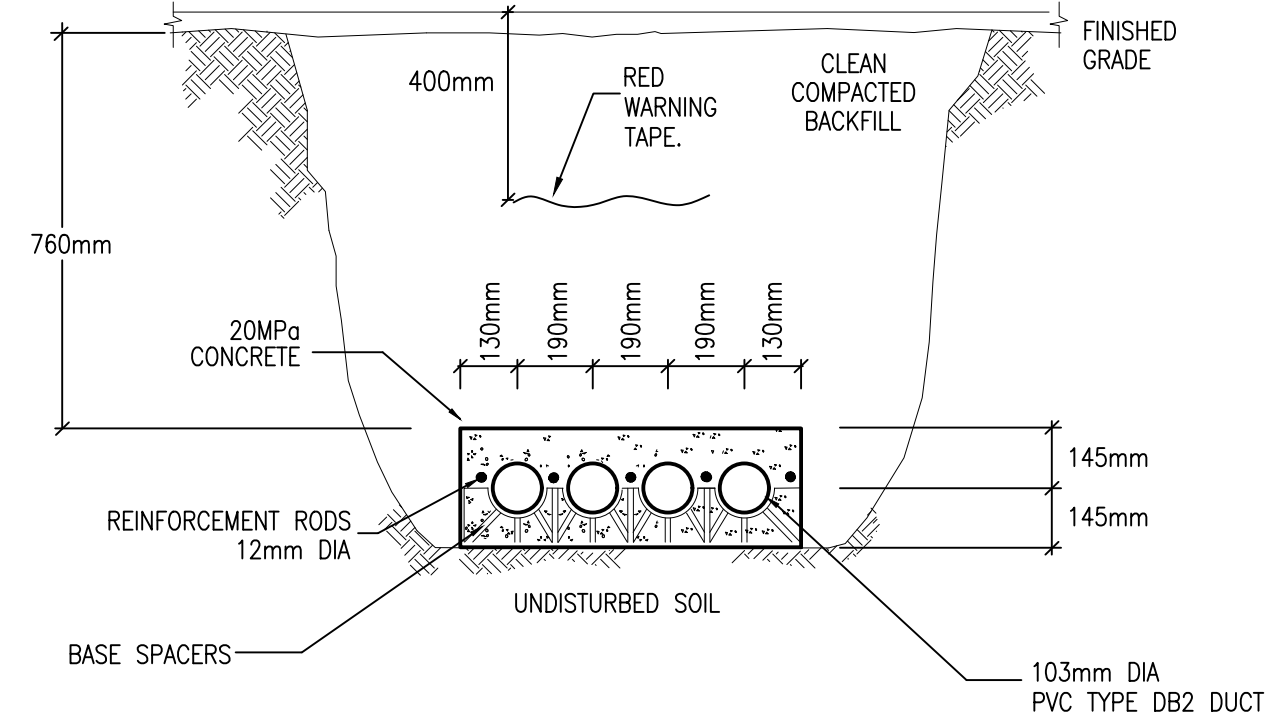


2 SITE PLAN – NEW
ES101

REVISE

- DRAWING NOTES**
- 1 REMOVE EXISTING WOOD POLE AND OVERHEAD WIRING BACK TO HYDRO POLE. REMOVE EXISTING UNDERGROUND DUCTS TO EAST AND WEST ELECTRICAL ROOMS.
 - 2 PROVIDE OVERHEAD SERVICE CABLES FROM HYDRO ONE POLE TO CUSTOMER OWNED POLE ON PROPERTY AS SHOWN. ALLOW FOR AN ADDITIONAL SUFFICIENT AMOUNT OF CABLES COILED AT TOP OF HYDRO POLE TO ALLOW FOR CONNECTIONS. HYDRO ONE TO MAKE FINAL CONNECTIONS AND PROVIDE TERMINATIONS AT TOP OF HYDRO ONE POLE.
 - 3 PROVIDE 16.8m (55'-0") CLASS L CONCRETE POLE US1/H4-550-1-1-PC AND LOAD BREAK 3 POLE GANG OPERATED SWITCH. POLE TO BE BURIED MINIMUM 2.59m (8'-6") IN THE GROUND WITH ENGINEERED BASE TO SUIT EQUIPMENT WEIGHT. PROVIDE US1 W SERIES ENTRY BOXES AND RUN LOAD WIRING INSIDE POLE. TRANSITION FROM UNDERGROUND SERVICES TO LOAD BREAK SWITCH AND DIP BACK DOWN TO UNDERGROUND SERVICE AT THIS LOCATION. PROVIDE GROUNDING AND CABLE GUARDS AS PER SPECIFICATIONS AND AS PER OESC REQUIREMENTS.
 - 4 PROVIDE NEW CUSTOMER OWNED TRANSFORMER C/W PRECAST PAD AND SWITCHING MANHOLE. REFER TO SPECIFICATIONS. COORDINATE WORK WITH HYDRO ONE AND INSPECTION AUTHORITY. PROVIDE PROTECTIVE BOLLARDS AROUND TRANSFORMER EQUAL TO US1 E-90 SERIES.
 - 5 AVOID AND MAINTAIN EXISTING GROUND MOUNTED FLOODLIGHT AND SIGN.
 - 6 AVOID EXISTING TREES AND ROOT BALLS

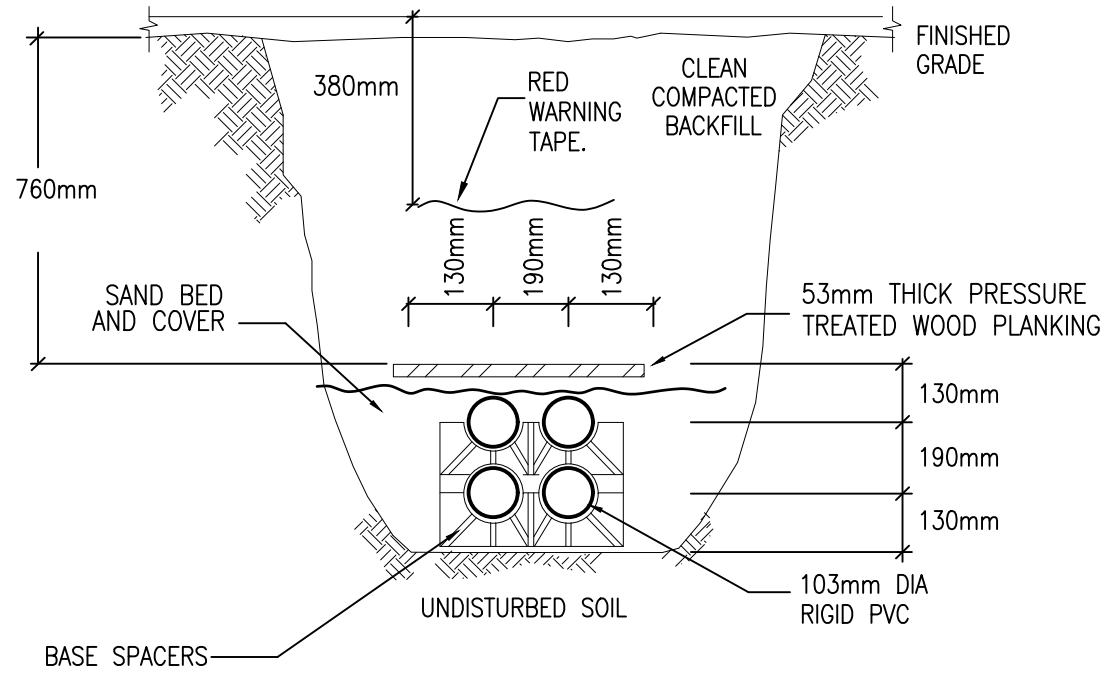
ADD



NOTE: REINSTATE GRASS IN AREA OF NEW TRENCH

3 TRENCH DETAIL – PRIMARY 4 CELL
CONCRETE ENCASED
ES101

ADD



NOTES: DIMENSIONS SHALL BE ACCORDING TO OESC D11, DETAIL 4
REINSTATE GRASS IN AREA OF NEW TRENCH

4 LOW VOLTAGE – 4 CELL TRENCH DETAIL
ES101

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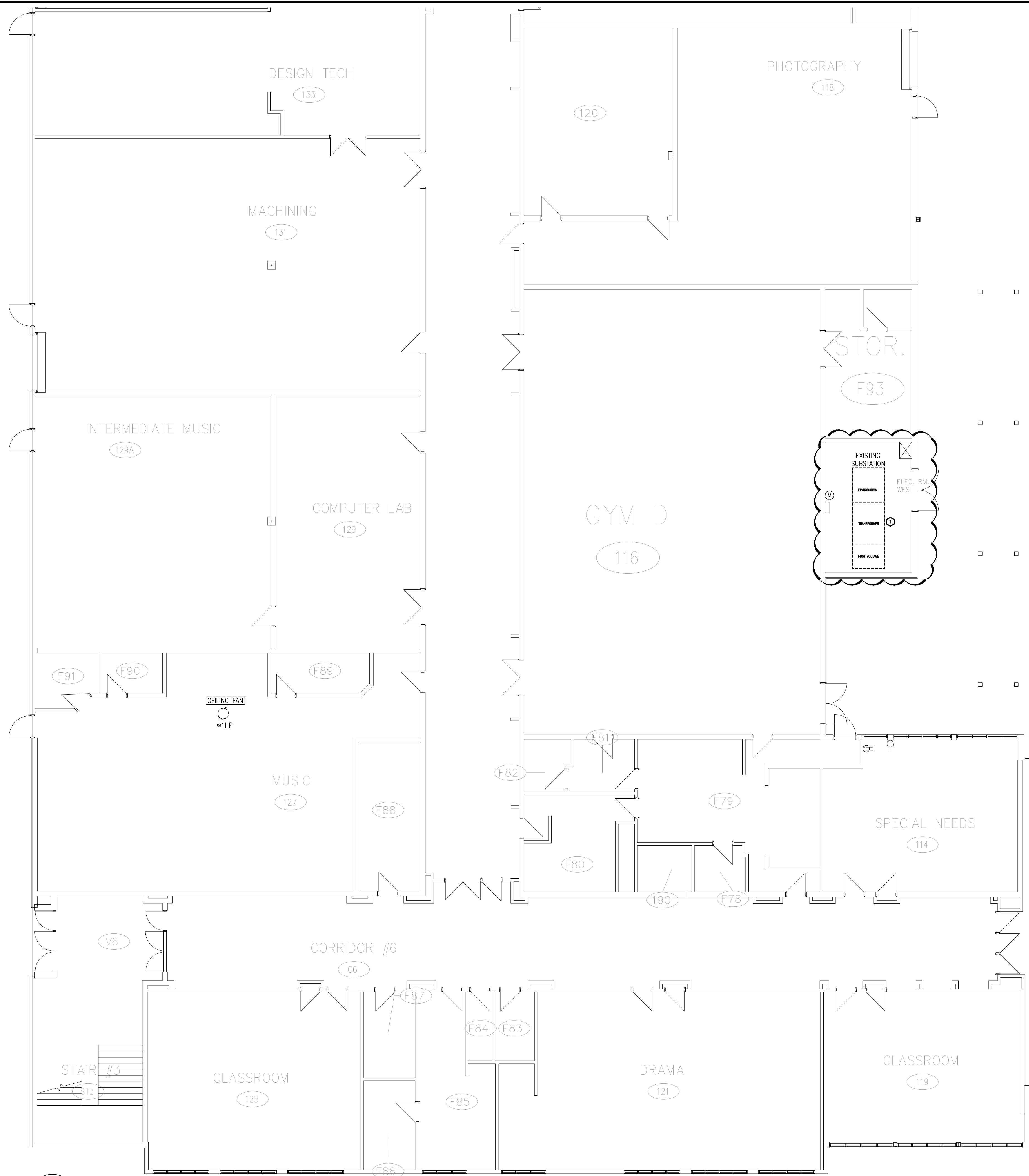
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PROJECT:
TISS – MECHANICAL REPLACEMENT
2510 PARKDALE AVE
BROCKVILLE, ON

DRAWING:
ELECTRICAL:
SITE PLAN

	DATE: APRIL 2025
	DESIGNED BY: J.F.B.
	DRAWN BY: J.F.B.
	CHECKED BY: B.T.
	SCALE: 1:400
No. DWGS: 28	DRAWING No.
PROJECT No. 25020	ES101



DRAWING NOTES

- 1 REMOVE EXISTING CONCRETE FLOOR AS REQUIRED TO EXPOSE EXISTING CONDUIT. PRIOR TO CONCRETE REMOVAL, CONTRACTOR SHALL SCAN THE SLAB TO LOCATE ALL EMBEDDED SERVICES. DISCONNECT AND PULL BACK EXISTING CONDUIT TO NEAREST PARTITION. SPlice EXISTING FEEDERS AND PROVIDE NEW WIRE AND CONDUIT TO MAIN SWITCHBOARD SHOWN ON THE NEW PLANS.

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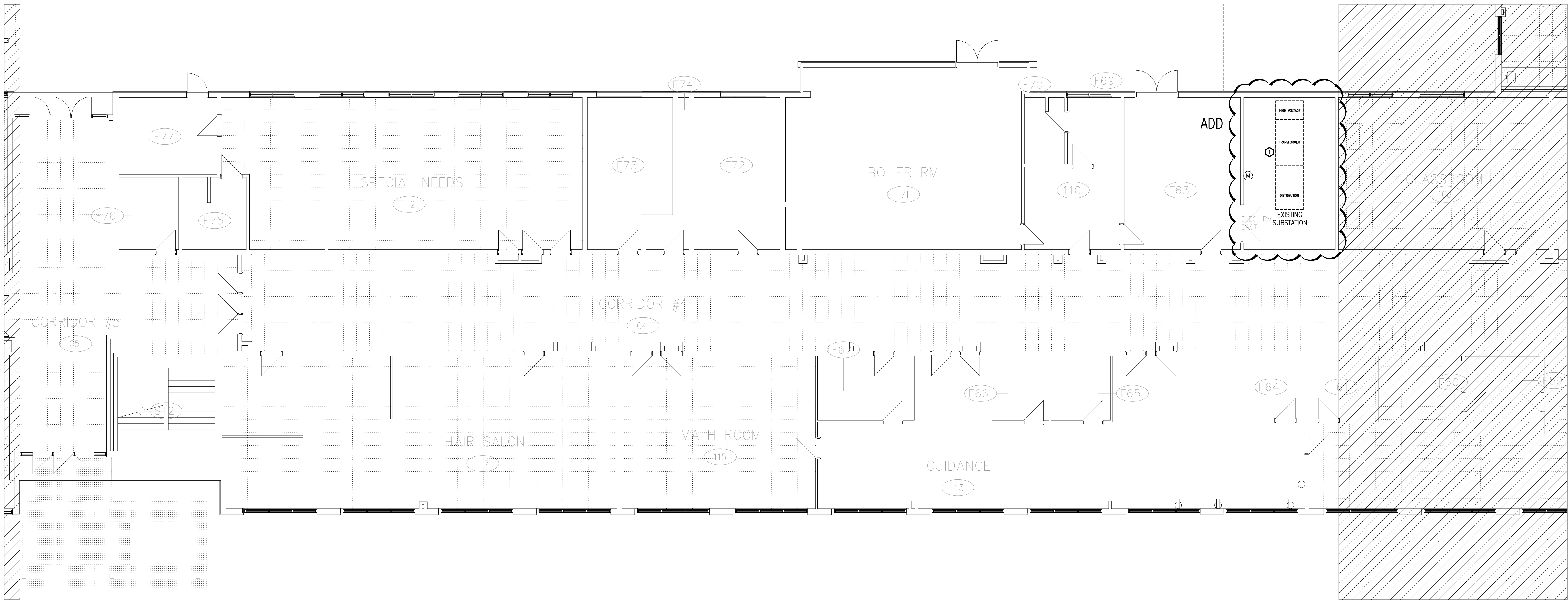
PROJECT:
TISS - MECHANICAL REPLACEMENT
2510 PARKEDALE AVE
BROCKVILLE, ON

DRAWING:
ELECTRICAL:
GROUND FLOOR PART 2 -
DEMOLITION

DATE: APRIL 2025
DESIGNED BY: J.F.B.
DRAWN BY: J.F.B.
CHECKED BY: B.T.
SCALE: 1:100

No. DWGS: 28
PROJECT No.
25020
DRAWING No.
ED101

1
ED101 GROUND FLOOR PART 2 - DEMOLITION



1
ED101A

GROUND FLOOR PART 3 – DEMOLITION

ADD

DRAWING NOTES

Ⓢ REMOVE EXISTING CONCRETE FLOOR AS REQUIRED TO EXPOSE EXISTING CONDUIT. PRIOR TO CONCRETE REMOVAL, CONTRACTOR SHALL SCAN THE SLAB TO LOCATE ALL EMBEDDED SERVICES. DISCONNECT AND PULL BACK EXISTING CONDUIT TO NEAREST PARTITION. SPLICE EXISTING FEEDERS AND PROVIDE NEW WIRE AND CONDUIT TO MAIN SWITCHBOARD SHOWN ON THE NEW PLANS.

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PROJECT:
TISS – MECHANICAL REPLACEMENT
2510 PARKEDALE AVE
BROCKVILLE, ON

DRAWING:
ELECTRICAL:
GROUND FLOOR PART 3 –
DEMOLITION

	DATE: APRIL 2025
	DESIGNED BY: J.F.B.
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	SCALE: 1:100
No. DWGS. 28	DRAWING No.
PROJECT No. 25020	ED101A

DRAWING NOTES

⊙ SURGE PROTECTION LEADS SHALL BE AS SHORT AND STRAIGHT AS POSSIBLE. SURGE PROTECTION DEVICE SHALL BE INSTALLED INTEGRAL TO DISTRIBUTION EQUIPMENT WHERE POSSIBLE USING 3/10-21mmC. CIRCUIT BREAKER SIZE IS CONCEPTUAL. PROVIDE REQUIRED CIRCUIT BREAKER TO SUIT MANUFACTURER'S RECOMMENDATIONS.

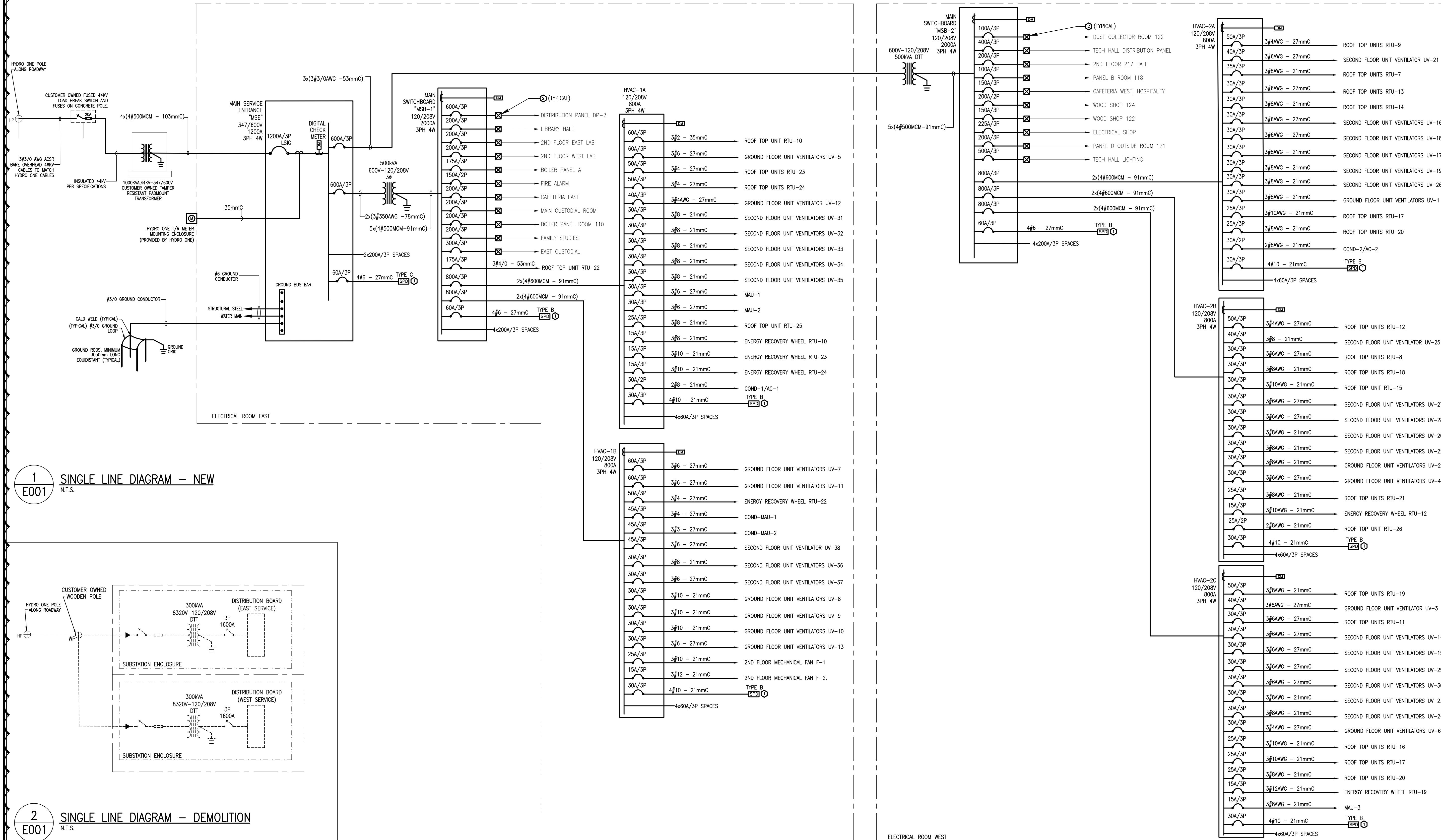
⊙ INTERCEPT AND EXTEND EXISTING FEEDER TO NEW MAIN SWITCH BOARD. PROVIDE 60°C RATED CONDUCTORS TO MATCH EXISTING, SIZED TO SUIT CIRCUIT BREAKER.

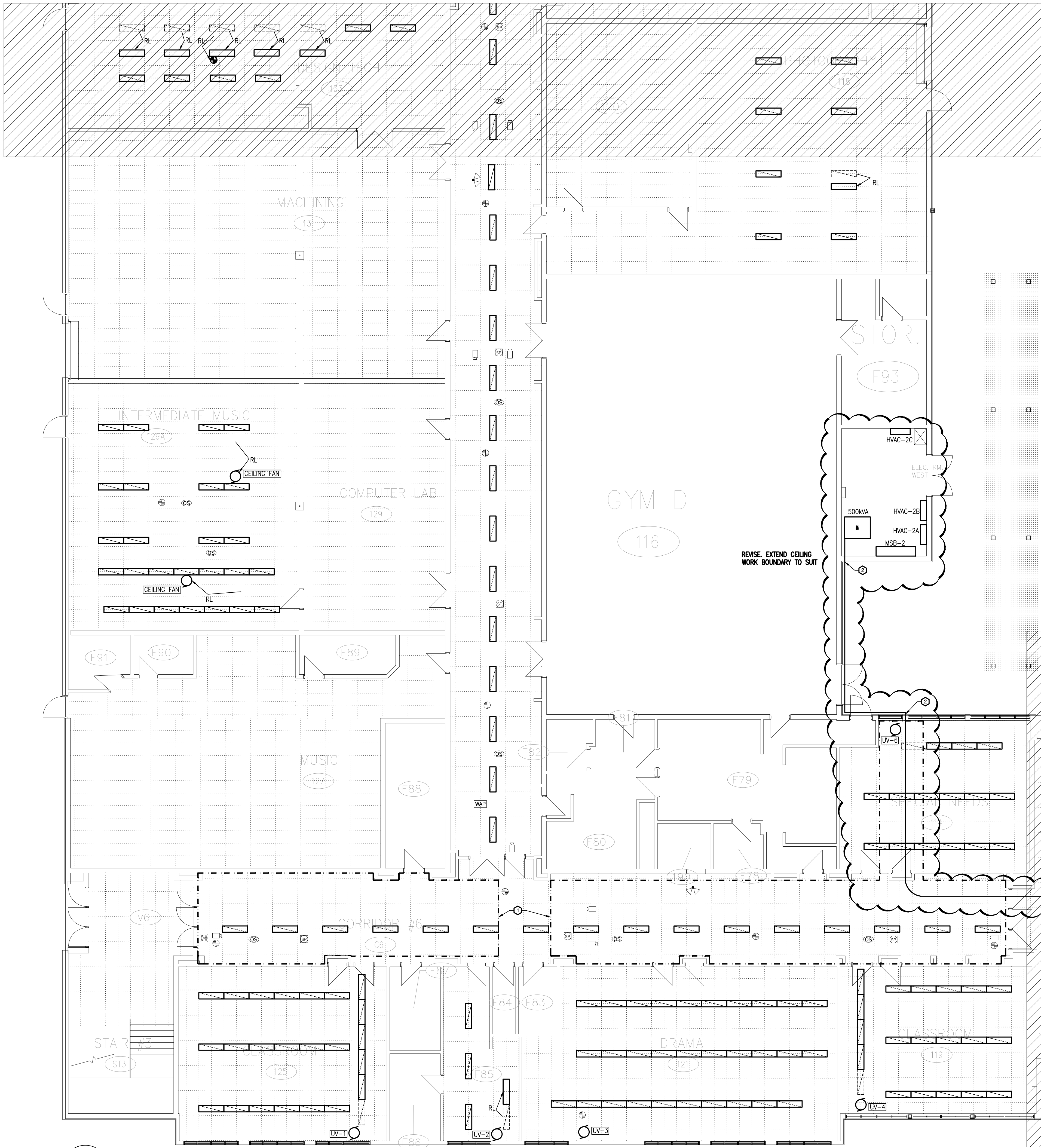
SINGLE LINE LINETYPE LEGEND

----- EXISTING FEEDER OR EQUIPMENT TO BE REMOVED
----- EXISTING FEEDER OR EQUIPMENT TO REMAIN
----- NEW FEEDER OR EQUIPMENT

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DRAWING NOTES

① REMOVE EXISTING CEILING MOUNTED DEVICES TO ALLOW FOR CEILING REMOVAL AND DUCTWORK INSTALLATION. RE-INSTALL IN PLACE ONCE WORK IS COMPLETE AND TEST.

② FEEDER FROM EAST ELECTRICAL ROOM. TRANSITION TO RIGID THREADED STEEL CONDUIT FOR EXTERIOR RUN ON OUTSIDE OF BUILDING. INSTALL AT HIGH LEVEL TO MATCH EXISTING CONDUITS.

ADD

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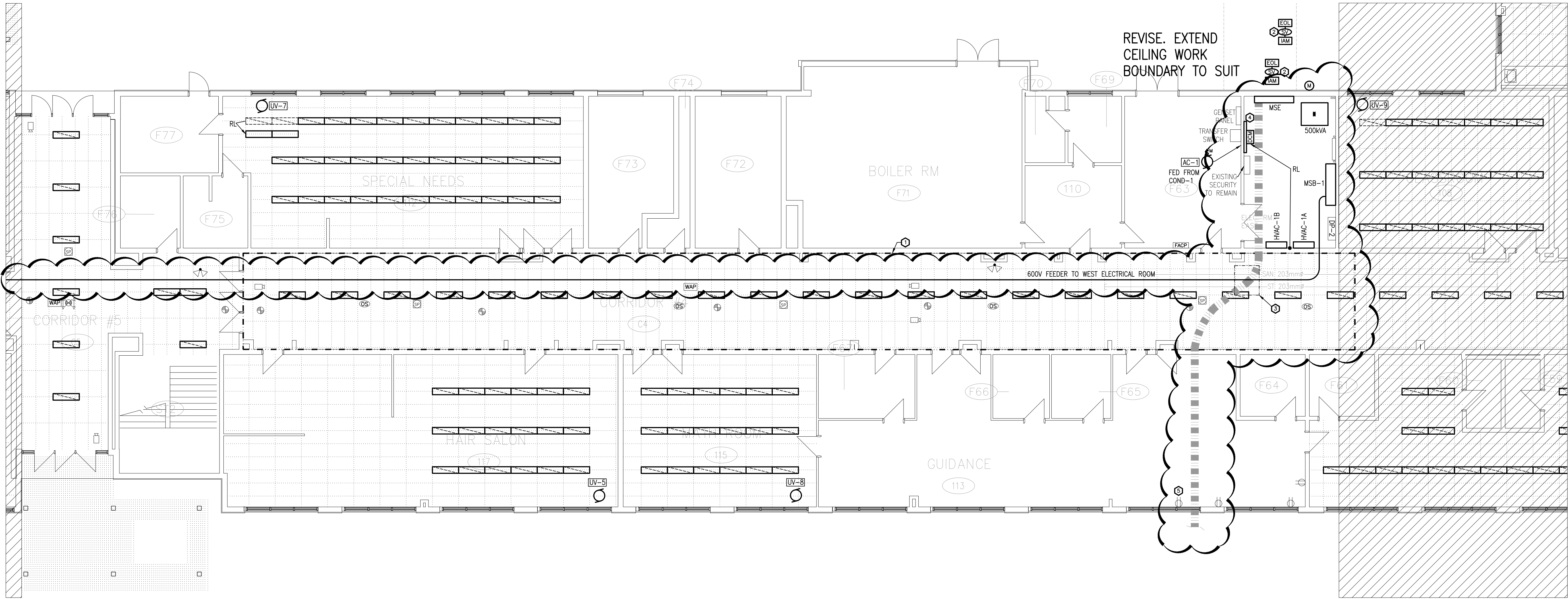
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PROJECT:
TISS – MECHANICAL REPLACEMENT
2510 PARKDALE AVE
BROCKVILLE, ON

DRAWING:
ELECTRICAL:
GROUND FLOOR PART 2 –
SYSTEMS

	DATE: APRIL 2025
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	DRAWN BY: J.F.B.
	CHECKED BY: B.T.
	SCALE: 1:100
No. DWGS: 28	DRAWING No.
PROJECT No. 25020	E102

1
E102 GROUND FLOOR PART 2 – SYSTEMS



1
E103

GROUND FLOOR PART 3 – SYSTEMS

DRAWING NOTES

- 1 REMOVE EXISTING CEILING MOUNTED DEVICES TO ALLOW FOR CEILING REMOVAL AND DUCTWORK INSTALLATION. RE-INSTALL IN PLACE ONCE WORK IS COMPLETE AND TEST.
- 2 PROVIDE SUPERVISORY FIRE ALARM CONNECTIONS TO SUPERVISORY SWITCHES PROVIDED BY ENBRIDGE AT NEW ENBRIDGE NATURAL GAS MAIN SUPPLY VALVE, AND THE DOWNSTREAM NATURAL GAS VALVE TO THE OUTDOOR GENERATOR. CONNECT TO EXISTING SUPERVISORY ZONE IN EXISTING FIRE ALARM PANEL. ENSURE THE NEW SIGNAL CIRCUIT ANNOUNCE AS TROUBLE SUPERVISORY.
- 3 OFFSET NEW PRIMARY DUCTS AS REQUIRED TO AVOID EXISTING UNDERGROUND SANITARY AND STORM PIPING. PIPE LOCATIONS ARE TAKEN FROM EXISTING RECORD DRAWINGS. CONTRACTOR TO CONFIRM ON SITE.
- 4 RELOCATE EXISTING SPLITTER BOX AND CARMA INDUSTRIES DIGITAL CHECK METER TO THIS LOCATION. PROVIDE EXTENSIONS AND CONNECT TO MATCH EXISTING METERING POINTS. INCLUDE FOR 12 SEPARATE METERING POINTS (12 FEEDERS) IN BID. RETAIN SERVICES OF CARMA TECHNICAL REPRESENTATIVE AS REQUIRED.
- 5 REMOVE AND REINSTALL EXISTING SURFACE MOUNTED CONDUIT AND RECEPTACLES BELOW HEATERS TO ALLOW FOR NEW TRENCH WORK.

ADD

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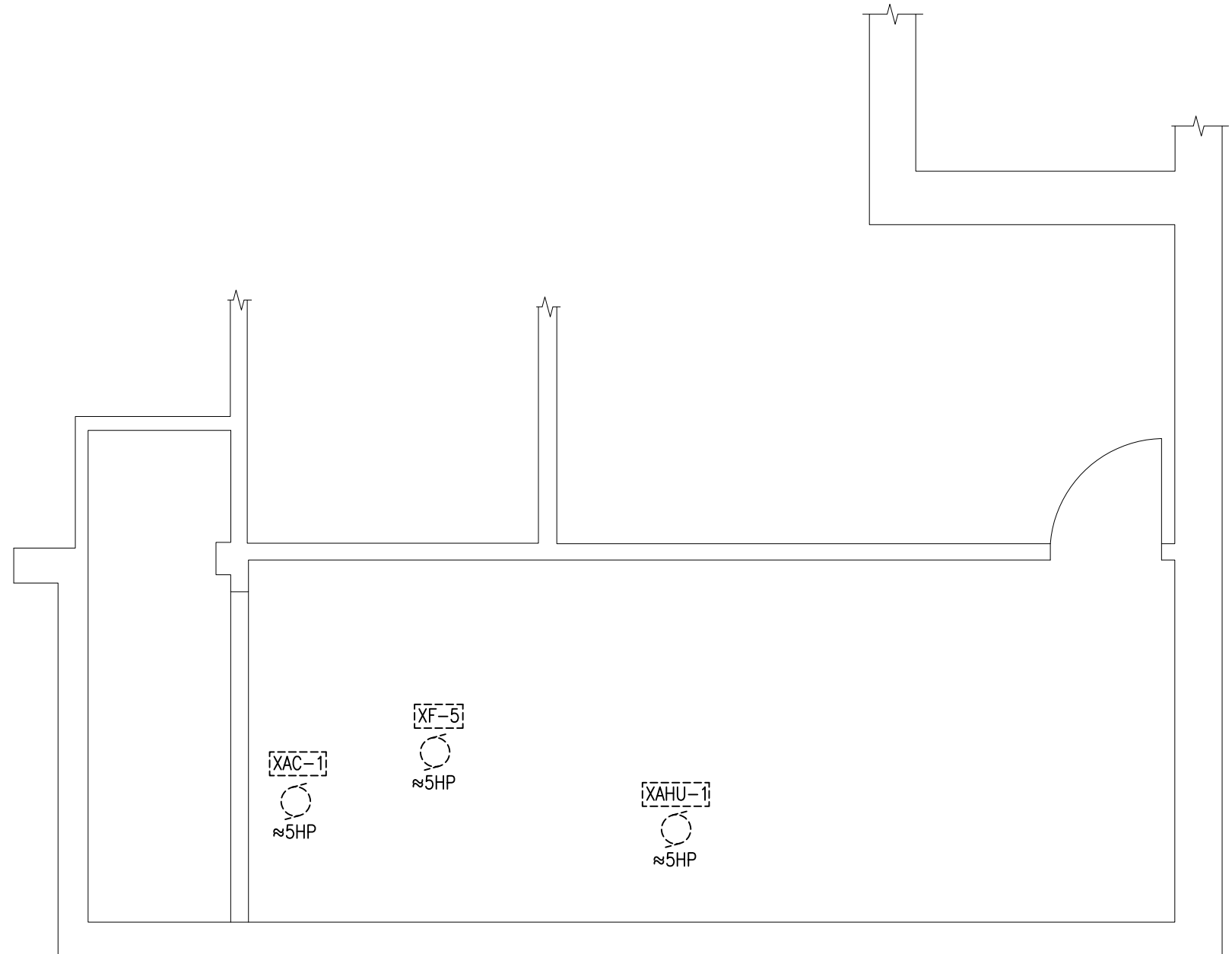
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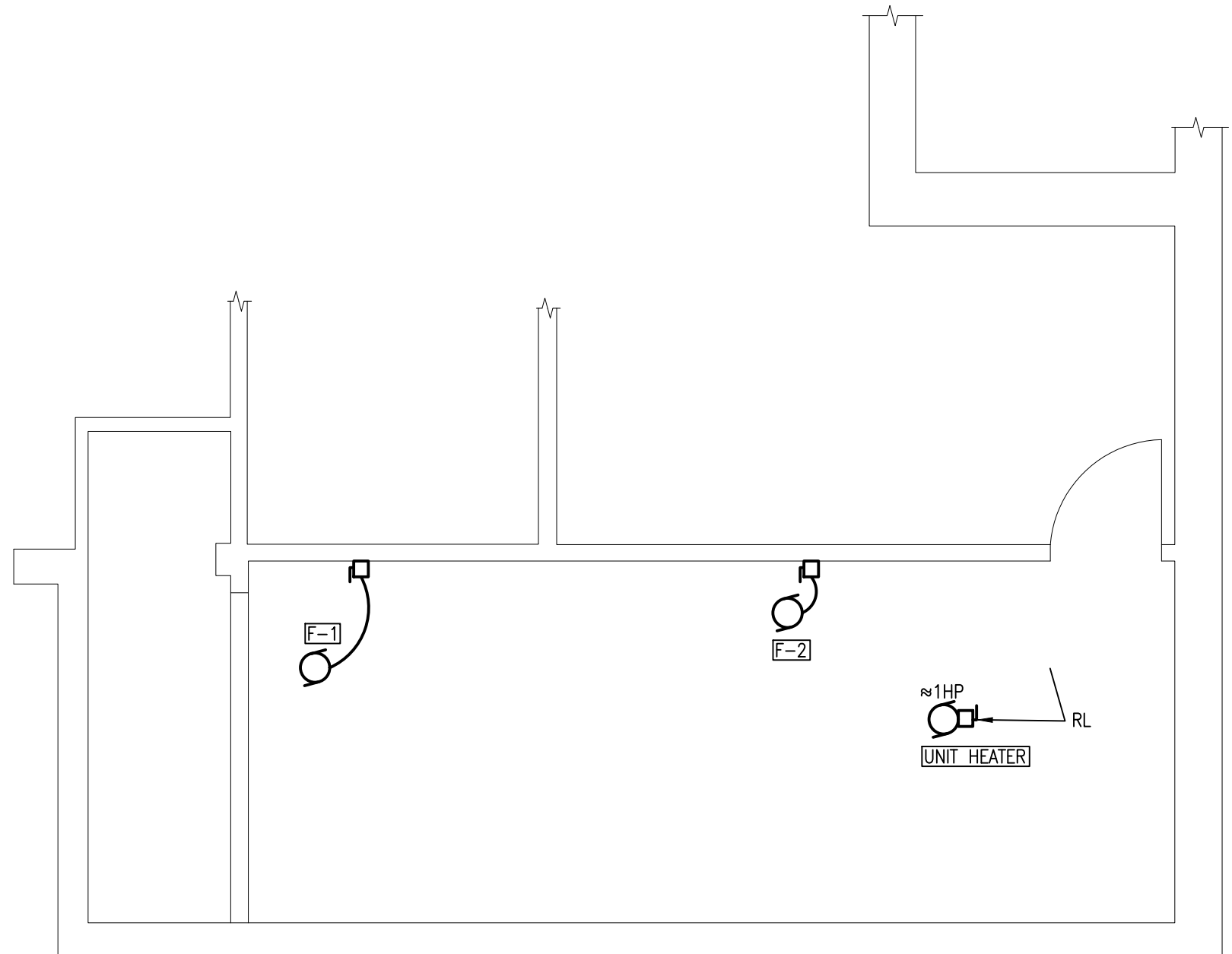
PROJECT:
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2510 PARKEDALE AVE
BROCKVILLE, ON

DRAWING:
ELECTRICAL:
GROUND FLOOR PART 3 –
SYSTEMS

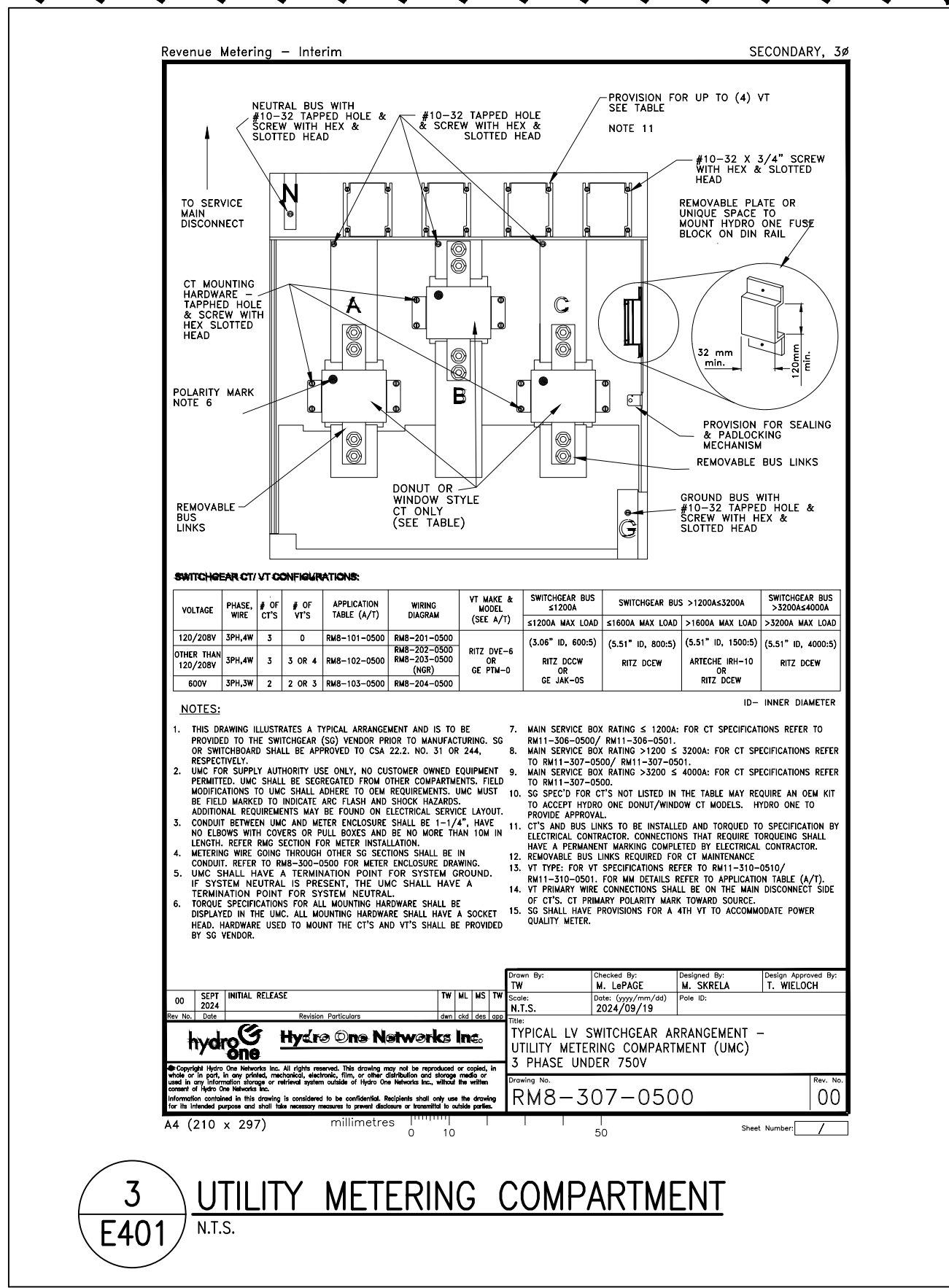
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	SCALE: 1:100
No. DWGS. 28	DRAWING No.
PROJECT No. 25020	E103



1 MECHANICAL PENTHOUSE ROOM – DEMOLITION
E401 1:50



2 MECHANICAL PENTHOUSE ROOM – NEW LAYOUT
E401 1:50



3 UTILITY METERING COMPARTMENT
E401 N.T.S.

ADD

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PROJECT:
TISS – MECHANICAL REPLACEMENT
2510 PARKEDALE AVE
BROCKVILLE, ON

DRAWING:
ELECTRICAL:
DETAILS

	DATE: APRIL 2025
	DESIGNED BY: J.F.B.
	DRAWN BY: J.F.B.
	CHECKED BY: B.T.
	SCALE: AS NOTED
No. DWGS. 28	DRAWING No.
PROJECT No. 25020	E401

PART 1 - GENERAL

1.1 General Requirements

- .1 Conform with requirements of front-end Sections 00 and 01 as they apply to the work of this discipline.

PART 2 - PRODUCTS

2.1 Primary Overhead Conductors 46000V

- .1 Base, aluminum steel reinforced conductors, size as indicated.

2.2 Concentric Neutral power Cables 46000V

- .1 Single aluminum conductor 90 degree Celsius insulation, minimum #4/0 AWG. Concentric neutral power cable: to ICEA S-93-639/NEMA WC74.
- .2 Semi-conducting shielding.
- .3 Insulation: of chemically cross-linked thermosetting polyethylene material rated 46 kV.
- .4 Barrier tape over shield and neutral wires.
- .5 Overall jacket of PVC rated -40°C.
- .6 100% insulation level.
- .7 Copper neutral wires applied helically over insulation shield equivalent to 100% full capacity.
- .8 Compact stranded with strand block.
- .9 Cable to meet Supply Authority and Inspection Authority requirements.
- .10 Certified to CAN/CSA-C68.5.

2.3 Connectors
and terminations

- .1 Compression connectors as required.
- .2 Stress cones: 46 kV rated to suit application and approved by ESA and Supply Authority.
- .3 Terminations at Supply Authority pole shall be supplied and installed by Supply Authority.

PART 3 - EXECUTION

3.1 Installation

- .1 Install primary cables in ducts and manholes in accordance with Section 26 05 43 - Installation of Cables in Trenches and in Ducts.
- .2 Install primary cables in trenches in accordance with Section 26 05 43 - Installation of Cables and Trenches in Ducts.
- .3 Install stress cones and terminations in accordance with manufacturer's instructions.
- .4 Bond and ground as required.

3.2 Testing

- .1 High Pot Test: as per cable manufacturer's recommendations. Test in presence of Consultant and submit report.

END OF SECTION

PART 1 - GENERAL

1.1 General Requirements

- .1 Conform with requirements of front end Sections 00 and 01 as they apply to the work of this discipline.
- .2 Transformers shall comply with the efficiency requirements of Ontario Regulation 419/16.

1.2 Product Data

- .1 Submit product data in accordance with Section 26 05 00.
- .2 Provide test results stating decibel rating.

PART 2 - PRODUCTS

2.1 Transformers, Standard Dry-Type

- .1 Transformers to be product of one manufacturer.
- .2 Design:
 - .1 Type: ANN.
 - .2 Single or 3 phase, size primary and secondary voltage as indicated.
 - .3 150 deg.C temperature rise insulation system.
 - .4 Basic Impulse level (BIL): standard.
 - .5 Hipot: standard
 - .6 Average sound level: standard
 - .7 Impedance at 170 deg.C: standard
 - .8 Enclosure: CSA type 1. Label to clearly indicate winding type. Removable metal front panel, complete with integral vibration absorbing pads.
 - .9 Mounting: floor.
 - .10 Finish: in accordance with Section 26 05 00.
 - .11 Taps on primary to be full capacity, to 2-1/2% above and to 2-1/2% below normal.
 - .12 Copper windings.
- .3 Acceptable materials: Square D if available or from one of the following if not available:
 - .1 Bemag
 - .2 Delta

- .3 Hammond Power Solutions.
- .5 Polygon Transformers Inc.
- .6 Siemens
- .7 Alternate materials as approved by addendum in accordance with General Instructions.

PART 3 - EXECUTION

3.1 Mounting

- .1 Install as per manufacturer's recommendations.
- .2 Mount dry type transformers as indicated.
- .3 Ensure adequate clearance around transformer for ventilation and to meet Code requirements.
- .4 Install transformers in level upright position.
- .5 Remove shipping supports only after transformer is installed and just before putting into service.
- .6 Loosen isolation pad bolts until no compression is visible.

3.2 Connections

- .1 Make primary and secondary connections shown on wiring diagram.
- .2 Energize transformers immediately after installation is completed, where practicable.
- .3 Provide ground wire from main service ground to neutral point of secondary windings, sized to Code. Run in primary feeder conduit, and bond to transformer case to satisfaction of Inspection Authority.
- .4 Provide flexible connections per Section 26 05 34.

3.3 Equipment Identification

- .1 Size 7 label in accordance with Section 26 05 00.

END OF SECTION

PART 1 - GENERAL

- 1.1 General Requirements
- .1 Conform with requirements of front end Sections 00 and 01 as they apply to the work of this discipline.
- 1.2 Shop Drawings
- .1 Submit shop drawings in accordance with Section 26 05 00.
 - .2 Indicate:
 - .1 Dimensioned positions of mounting devices.
 - .2 Dimensioned positions of terminations.
 - .3 Identified internal and external component layout on assembly drawing.
 - .4 Insulating liquid capacity.
- 1.3 Maintenance Data
- .1 Provide maintenance data for liquid cooled transformers for incorporation into manual specified in Section 26 05 00.
 - .2 Include insulating liquid maintenance data.

PART 2 - PRODUCTS

- 2.1 Transformer Characteristics
- .1 Transformers: to CSA C227.4 – Three-Phase Dead Front Pad-Mounted Distribution Transformers and CSA C88-16-Power Transformers and reactors and compliant with OESC Bulletin 36-15-XX (latest edition) – High voltage equipment standards.
 - .2 Liquid cooled, three phase, outdoor, distribution transformers type KNAN, pad mounted, tamperproof lockable enclosure.
 - .3 Primary voltage: 44000V, 60 Hz. delta connected, 3 phase, 3 wire.
 - .4 Secondary voltage: 600/347V as indicated, wye connected, 3 phase, 4 wire, grounded neutral.
 - .5 Capacity: 1000 kVA.

- .6 Basic impulse level: 250 kV.
- .7 Impedance: not less than 5% or more than 6%.
- .8 Coil materials: copper
- .9 Efficiency per CAN/CSA C802.3

2.2 High Voltage Bushings and Terminals

- .1 46 KV radial feed deadfront. Bushing style to be 200 amp rated large interface load-break separable type.

2.3 Low Voltage Bushings and Terminals

- .1 Copper spade-type bushings for vertical takeoff, with connection holes as required.

2.4 Mounting

- .1 Transformer suitable for mounting on concrete base and pad.
- .2 Base equal to USI E-37 6' x 12' precast switching manhole complete with USI E-13PS precast pad.

2.5 Voltage Taps

- .1 Four 2.5% taps, 2 FCAN, 2 FCBN.

2.6 Tap Changer

- .1 Externally operated off-load tap changer. 125 Amp, 5-position 250KV BIL, padlockable.

2.7 Insulating Liquid

- .1 Insulating liquid: FR3 non-PCB or equivalent, non-mineral oil.

2.8 Accessories

- .1 Hanger irons and adapter plates.
- .2 Liquid Celsius temperature thermometer, maximum indicating type, dial size 75 mm.
- .3 Liquid level gauge.
- .4 Top non-flammable insulating liquid sampling device.
- .5 Pressure vacuum gauge.
- .6 Pressure relief device.
- .7 25 mm drain valve with plug.
- .8 Set of (3) lightning arresters.
- .9 All factory installed, not field installed.

2.9 Finish

- .1 Finish tank exterior in accordance with Section 26 05 00 - Electrical General Provisions.

2.10 Bollards

- .1 Concrete filled steel bollard protective posts where shown, minimum four. Posts to be 6" (150 mm) diameter buried 60" (1500 mm) in 18" (450 mm) diameter concrete base, with smooth rounded concrete top, with rust bond primer and 2 coats outdoor safety yellow enamel, unless noted. Bollards to be supplied and installed by contractor.

2.11 Equipment Identification

- .1 Provide equipment identification in accordance with Section 26 05 00 - Electrical General Provisions.

2.12 Acceptable Manufacturers

- .1 Square D

PART 3 – EXECUTION

3.1 Production Testing

- .1 Unit shall be factory tested for the following:
 - .1 No-Load (85 °C or 20 °C) losses at rated current
 - .2 Total (85 °C) losses at rated current
 - .3 Percent Impedance (85 °C) at rated current
 - .4 Excitation current (100% voltage) test
 - .5 Winding resistance measurement tests
 - .6 Ratio tests using all tap settings
 - .7 Polarity and phase relation tests
 - .8 Induced potential tests
 - .9 Full wave and reduced wave impulse test
- .2 Submit satisfactory factory test certificate signed by manufacturer's authorized representative prior to shipping.

3.2 Installation

- .1 Ship transformers complete with first fill of liquid and pressurized with inert gas.
- .2 Install transformers only after other work in area is completed and in accordance with manufacturer's instructions. Locate minimum 6 meters from building envelope.
- .3 Install on manhole and pad per manufacturer's recommendations.
- .4 Use spreader bars on slings when lifting transformers into place.
- .5 Set and secure transformers in place rigid, plumb, square.
- .6 Ensure internal connections are mechanically tight.
- .7 Make connections.
- .8 Connect transformer ground terminal to system ground.
- .9 Fill transformers when required with metal hose and ensure care is taken to prevent contamination of liquid and components.
- .10 Set taps to produce rated secondary voltage at no load.

END OF SECTION

PART 1 - GENERAL

1.1 General Requirements

- .1 Conform with requirements of front end Sections 00 and 01 as they apply to the work of this discipline.

1.2 Shop Drawings and Product Data

- .1 Submit shop drawings and product data in accordance with Section 26 05 00.
- .2 Indicate:
 - .1 Floor anchoring method and foundation template.
 - .2 Dimensioned cable entry and exit locations.
 - .3 Dimensioned position and type of bus.
 - .4 Overall length, height and depth of complete switchboard.
 - .5 Dimensioned layout of internal and front panel mounted components.

1.3 Maintenance Data

- .1 Provide data for incorporation into maintenance manual specified in Section 26 05 00.

PART 2 - PRODUCTS

2.1 Materials

- .1 Switchboard assembly: to CSA C22.2 No.31, EEMAC G8-3.3.

2.2 Rating

- .1 Secondary switchboard: indoor 347/600V 3 phase, 4 wire, 60 Hz., current rating as shown, built to withstand a short circuit current of at least 25 kA (rms symmetrical) unless noted.

2.3 Enclosure

- .1 Enclosure
 - .1 Main incoming section to contain:
 - .1 Main breaker sized as indicated.
 - .2 Customer digital check meter with combined function LCD display, RS232C port for computer communication and appropriate BACNET software interface to support tie-in with Building Automation System.

- Provide all hardware and software programming as required for compatibility with the communication protocol used by the chosen BAS vendor; co-ordinate with BAS vendor as required.
- .3 Check meter shall be complete with non-volatile memory and reset functions for maximum and minimum since last reset to measure true RMS values, and shall indicate:
 - .1 each line current
 - .2 total current
 - .3 each phase to phase voltage
 - .4 each phase to neutral voltage
 - .5 power consumption in kilowatt-hours
 - .6 instantaneous and peak demand in kilowatts
 - .7 instantaneous and peak demand in kVA
 - .8 power factor
 - .9 frequency
 - .10 Total Harmonic Distortion (%) current & voltage each phase and 3 phase total
 - .11 K-Factor - each phase
 - .2 Distribution sections to contain:
 - .1 Feeder breakers as shown.
 - .2 High conductivity 99.30% copper bus and main connections, from main section to distribution sections including vertical bussing.
 - .4 Blanked off spaces for future units.
 - .3 Metering section between main breaker and distribution section, with provision for metering CT's and PT's as required, to suit Supply Authority. Co-ordinate with Supply Authority for exact requirements.
- .2 Metal enclosed free standing floor mounted, dead front, indoor completely tamperproof, sprinkler proof, CSA Type 1 enclosure. Bulkhead style including sides, top, doors, bottom enclosing plate, sills, horizontal and vertical barriers, lintels, supports, reinforcing member; formed, welded and braced into rigid self-supporting structure. Constructed from rolled flat steel sheets.
 - .3 Cubicle units to have adequate bracing, sufficient volume, and ventilating openings to prevent distortion of unit during normal operation and during circuit breaker operation under short circuit conditions, or when attempting breaker closure onto fault.

- .4 Remove burrs and sharp edges from steel work.
- .5 Use non-corrosive bolts and hardware.
- .6 100 mm steel channel sills for base mounting.

2.4 Bus Bars

- .1 Three phase and full capacity neutral bare bus bars, continuous current rating as shown, self-cooled, extending full width of cubicle suitably supported on insulators. Bus to extend full height of enclosure such that each space is ready to accommodate future breaker whether indicated elsewhere in the contract documents or not.
- .2 Main connections between bus and major switching components, to have continuous current rating to match major switching components.
- .3 Brace bus bar system to withstand stresses resulting from specified short circuit currents.
- .4 Silver or tin surfaced joints, secured with non-corrosive bolts and Belleville washers, tightened with torque wrench to manufacturer's recommended load.
- .5 Identify phases of bus bars by suitable marking.
- .6 Bus bar connectors and hardware, when switchboard shipped in more than one section. Provide clear assembly instructions including torque setting for all bus bolts.

2.5 Grounding

- .1 Copper ground bus not smaller than 50 x 6 mm extending full width of cubicle and situated at bottom.
- .2 Lugs at each end for grounding cable, suitable for 4/0 AWG cables.
- .3 Bond non-current carrying metal parts, including switchgear framework, enclosure and bases to ground bus.

2.6 Circuit Breakers

- .1 Main breaker.
 - .1 Moulded case circuit breaker to operate by means of a solid

state trip unit with associated current monitors and self-powered shunt trip to provide inverse time current trip under overload conditions, and long time, short time, instantaneous tripping for ground fault short circuit protection.

- .2 Secondary breaker units as per Section 26 28 16.02.
- .3 Main breaker to have provisions for padlocking in the "OFF" position, and be clearly labeled to indicate ON and OFF positions.

2.7 Finishes

- .1 Apply finishes in accordance with Section 26 05 00.
 - .1 Cubicle exteriors: gray
 - .2 Cubicle interiors: white preferred.
 - .3 Supply spray cans touch-up paint, 1 for each colour.

2.8 Equipment Identification

- .1 Provide equipment identification in accordance with Section 26 05 00.
- .2 Nameplates:
 - .1 White plate, black letters, size 7.
 - .2 Complete switchboard - labeled "600V".
 - .3 Main cubicle - labeled "Main Breaker".
 - .4 Distribution Units - labeled, "Feeder No.1", "Feeder No.2", etc. Confirm wording with Consultant at time of shop drawing review.

2.9 Manufacturers

- .1 Acceptable Manufacturer: Square D.
- .2 Alternate materials as approved by addendum in accordance with General Instructions.

PART 3 - EXECUTION

3.1 Installation

- .1 Locate switchboard assembly as indicated and bolt to floor. Co-ordinate final layouts within room to suit actual equipment dimensions and Supply Authority requirements, submit to Consultant for review prior to rough-in.
- .2 Connect main secondary supply to main breaker.

- .3 Provide cabinet for Supply Authority meter, sized and located to suit Supply Authority requirements, and co-ordinate installation of meter.
- .4 Connect load side of breakers in distribution cubicles to distribution feeders as indicated.
- .5 Check factory made connections for mechanical security and electrical continuity.
- .6 Run one grounding conductor minimum #3/0 AWG bare copper from ground bus in switchboard to main ground bus in electrical room.

END OF SECTION

PART 1 - GENERAL

1.1 General Requirements

- .1 Conform with requirements of front end Sections 00 and 01 as they apply to the work of this discipline.

1.2 Shop Drawings

- .1 Submit product data in accordance with Section 26 05 00.
- .2 Drawings to include electrical detail of panel, branch breaker type, quantity, ampacity and enclosure dimension.

1.3 Plant Assembly

- .1 Install circuit breakers in panelboards before shipment.
- .2 In addition to CSA requirements manufacturer's nameplate must show fault current that panel including breakers has been built to withstand.

PART 2 - PRODUCTS

2.1 Panelboards

- .1 Panelboards: to CSA C22.2No.29.
- .2 Panelboards to be product of one manufacturer.
- .3 Bus and breakers rated for following symmetrical interrupting capacity unless otherwise indicated.
- 120/208V Panelboards - 30 KA
Alternatively, fault current protection may be provided by use of integrated system series rating.
- .4 Above values of interrupting capacities may be reduced if short circuit study is performed prior to shop drawing submission. Submit short circuit study results to Consultant for review with shop drawings.
- .5 Sequence phase bussing with odd numbered breakers on left and even on right, with each breaker identified by permanent number identification as to circuit number and phase.

- .6 Panelboards: mains, number of circuits, and number and size of branch circuit breakers as indicated.
- .7 Two keys for each panelboard and key panelboards alike.
- .8 Copper bus with tin plated joints, to extend full height of enclosure such that each space is ready to accommodate future breaker whether indicated elsewhere in the contract documents or not.
- .9 All panelboards to be equipped with full size neutrals.
- .10 Mains suitable for bolt-on breakers.
- .11 CSA Type 1 Enclosure, finish trim and door baked grey enamel unless otherwise noted.

2.2 Breakers

- .1 Breakers to Section 26 28 16.02.
- .2 Breakers with thermal magnetic tripping in panel boards except as indicated otherwise
- .3 Lock-on devices for fire alarm, emergency lighting circuits, exit signage and night light circuits.

2.3 Check Meters

- .1 Provide integral digital check meter in each new panelboard to match check meter in service entrance switchboard as indicated in Section 26 24 02.

2.4 Equipment Identification

- .1 Provide equipment identification in accordance with Section 26 05 00.
- .2 Nameplate for each panelboard size 4 engraved as indicated.
- .3 Nameplate for each circuit in distribution panelboards size 2 engraved as indicated.
- .4 Complete a dated circuit directory with typewritten legend showing location and load of each circuit.

2.5 Acceptable
Materials

- .1 Acceptable Manufacturers: Square D.
- .2 Alternate materials as approved by addendum in accordance with General Instructions.

PART 3 - EXECUTION

3.1 Installation

- .1 Co-ordinate with mechanical contractor to confirm final circuit breaker requirements of mechanical equipment prior to ordering distribution equipment. Bring any discrepancies to attention of Consultant.
- .2 Locate panelboards as indicated and mount securely, plumb true and square, to adjoining surfaces.
- .3 In combustible construction, provide 1 layer of 16 mm (5/8") gypsum board behind each surface mounted panel, full size of panel.
- .4 Mount panelboards to height given in Section 26 05 00 or as indicated.
- .5 Connect loads to circuits as indicated.
- .6 Connect neutral conductors to common neutral bus with respective neutral identified.
- .7 Refer to Section 26 05 34 for installation of spare conduits.

3.2 Panelboard
Layouts

- .1 Follow panelboard details and schedules for layout of circuits and breaker sizes wherever possible.
- .2 Record all changes to panelboard details and schedules and submit as part of "As-built" drawing set for review at completion of the project. Insert copies in each manual.

END OF SECTION

ADDENDUM # M001

PROJECT NAME: TISS – Mechanical Replacement - 2510 Parkedale Ave. Brockville ON.

PROJECT #: 25020

DATE: April 28, 2026

DISTRIBUTION:

CKA

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R.J. McKee Engineering

B. Thornhill, S. Chenier

1. Reference Mechanical Specifications – Issued for Tender April 8, 2026.

.1 Specification section 25 05 30. Revise 1.3.1 Scope of Work as indicated below in bold:

1.3 Scope of Work

- .1 The work covered by this specification and related sections consists of providing shop drawings, equipment, labour, materials, engineering, technical supervision, and transportation as required to connect the new systems and modifications to the existing systems into the existing building automation system as required to complete the scope of this project, matching the school board standards. The contractor is responsible to review the existing installation on site prior to submitting bid. If the contractor is unable to connect, modify and integrate their systems into the existing installation, furnish and install a fully operational BACnet IP BAS to monitor and control the facilities listed herein, and as required to provide the operation specified in strict accordance with these documents, and subject to the terms and conditions of the contract. **The new BAS platform shall be Tridium Niagara JACE, and include all requirements listed within the schoolboard's "New BAS System Design Guideline" document.** The work in general consists of but is not limited to, the following:
- .1 Remove all existing controls equipment and systems that have become redundant from the demolition of existing mechanical equipment and systems.
 - .2 The preparation of submittals and provision of all related services.
 - .3 Operator work stations located as listed in the specifications.
 - .4 Furnish and install Network Control Units (NCU's), any additional new control devices, conduit and wiring, in the facility as required to provide the operation specified.
 - .5 Furnish and install new Terminal Control Units.
 - .6 Furnish and load all software required to implement a complete and operational BAS.
 - .7 Furnish complete operating and maintenance manuals and field training of operators, programmers, and maintenance personnel.
 - .8 Perform acceptance tests and commissioning as indicated.
 - .9 Provide full documentation for all application software and equipment.
 - .10 Miscellaneous work as indicated in these specifications.

Reviewed: Mech: Elec: Partner:

- .2 Refer to the attached schoolboard's "New BAS System Design Guidelines" document.
- .3 Section 25 30 03. Revise clause 1.7.5 to:
 - .5 Zip ties ~~or Velcro straps~~ shall not be acceptable for supporting wiring, conduits or other related systems. **Velcro straps are acceptable.**

END OF ADDENDUM

Signed: *Sylvain Chenier*
Sylvain Chenier, P.Eng.

New BAS System Design Guidelines

The below list is intended to be used as a guide when designing a new BAS at a school.

BAS Functionality:

- 1.) System design to incorporate having a JACE8000 as the main unit with BACnet controllers and devices. will be using a Tridium JACE8000 N4 that will have to have the software revised to interface with our existing networks and software versions so that the units can communicate with our servers. This way in the future if we go to an all HTML building automation system for all sites they can be upgraded at that time .
- 2.) System main outdoor air sensor to be a "Vaisala HMS112"
- 3.) Schedules (lights, EOL, Urinals, Mechanical equipment) Depending on size of school, schedule per section
This is to prevent the whole school from running if a small section is to be used. For Community Use.
- 4.) Holiday Schedules
- 5.) Alarms Page Alarms for Boiler Plant Heating ie : boiler failure, circ pump fail, low supply and return temp., flood sensors, CO , HARD WIRED TO ALARM PANEL by Contractor, Then To be connected inside alarm panel by UCDSB alarm employee.
- 6.) Bell page with a manual switch in main office for ringing or stop ringing ie ; Man/On/off -Auto
- 7.) Setbacks Only apply to rooms/zones. No setback for boiler loop.
- 8.) OSS Optimized start/stop ADJUSTABLE
- 9.) Free cooling based on temp and RH And Seasonal Calendar
- 10.) Building warm up functionality where outdoor air dampers are closed while building warms up prior to occupancy. Once close to temp then start cycling outdoor air dampers as required to meet CO2 requirements for occupancy.
- 11.) Rotational schedule for boilers and pumps based on usage
- 12.) User override of thermostats for occupied (3 hour adjustable override)
- 13.) CO2 Demand control ventilation
- 14.) CO2 and RH sensors in all rooms
- 15.) Graphics for all mechanical equipment
- 16.) Floor plans/graphics that show overridden values in purple, alarms in red
- 17.) Floor plans to show for each room what unit its fed from and link to that units graphics page
- 18.) Floor Plans should also show controller locations.

BAS items to include in design:

- 1.) Water meter Daily usage , total usage.
- 2.) Gas meter usage
- 3.) Electrical monitoring ie usage
- 4.) Urinals and a manual switch where it can be activated in case of problem with BAS
- 5.) Bells with a manual switch in main office for ringing or stop ringing ie ; Man/On/off --Auto

- 6.) Exterior lights control
- 7.) Fire fighting tanks Float levels for Viewing and check
- 8.) Fuel Oil Storage Tanks – levels and alarms if available
- 9.) EOL End of line flushing - adjustable schedules due to changing lead flushing requirements
- 10.) Classrooms thermostats(thermistor type) and rads
- 11.) ERVs Phase protection
- 12.) HRVs Phase protection
- 13.) RTUs Phase protection
- 14.) Unit Ventilators
- 15.) Boilers--- Enable setpoint , No setback for boiler loop
Calendar heating season---adjustable. And When Calendar is off, there is a low limit which activates boiler and pumps , for freezing purposes.
- 16.) Pumps activated the same as boilers
- 17.) Hot water circulation loops balancing valve , so hot water isn't too hot at sinks
- 18.) Range hoods where required
- 19.) Exhaust fans
- 20.) Trap primers
- 21.) OAT/RH sensor Thermistor
- 22.) Clocks
- 23.) Actuated hydronic control Valves To Be Belimo Zone Tight valves. Normally Open/Fail Open
- 24.) BAS to have UPS for surge protection and battery backup for JACE and controllers.
- 25.) All controllers to be installed in Nema enclosures even if installed in ceiling spaces.
- 26.) No cables to be ran across open areas. Must be in EMT conduit, painted to match, and conduit routing to be approved by UCDSB project manager prior to installing.
- 27.) Cables ran above drop ceiling must be routed using J hooks spaced minimum 5' apart. J Hooks to be secured off open web steel joists or building structure. Not to be mounted off pencil rod.
- 28.) Cables to be grouped together using Velcro straps, no zip ties.
- 29.) All BAS cabling to be orange in colour.
- 30.) Bathrooms and hallways should receive plate sensors in place of thermostats that way the kids can't damage them.

ADDENDUM # M002

PROJECT NAME: TISS – Mechanical Replacement - 2510 Parkedale Ave. Brockville ON.

PROJECT #: 25020

DATE: April 29, 2026

DISTRIBUTION:

CKA

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R.J. McKee Engineering

B. Thornhill, S. Chenier

1. Reference Mechanical Specifications – Issued for Tender April 8, 2026.

- .1 Specification section 25 90 01. Revise 1.5.2 Scope of Work as indicated below in bold:

The wall mounted temperature sensor shall control the classroom ventilator heating/cooling system, as well as the existing perimeter hot water baseboard heater motorized valves. When heating is required, the perimeter baseboard heaters shall be activated along with the classroom ventilator heating system. **Existing unit ventilators to remain shall have their hot water heating valves controlled like normal perimeter baseboard heaters.**

- .2 Specification section 25 90 01. Revise 1.5.3 Scope of Work as indicated below in bold:

A carbon dioxide (CO₂) sensor **provided by the manufacturer** within each unit shall modulate the outdoor air intake. **A mixed air temperature sensor will also be provided within each unit by the manufacturer.** The BAS shall monitor the CO₂ concentration as well as **mixed air temperature.**

- .3 Specification section 23 81 30. Revise 2.9.5 Scope of Work as indicated below in bold:

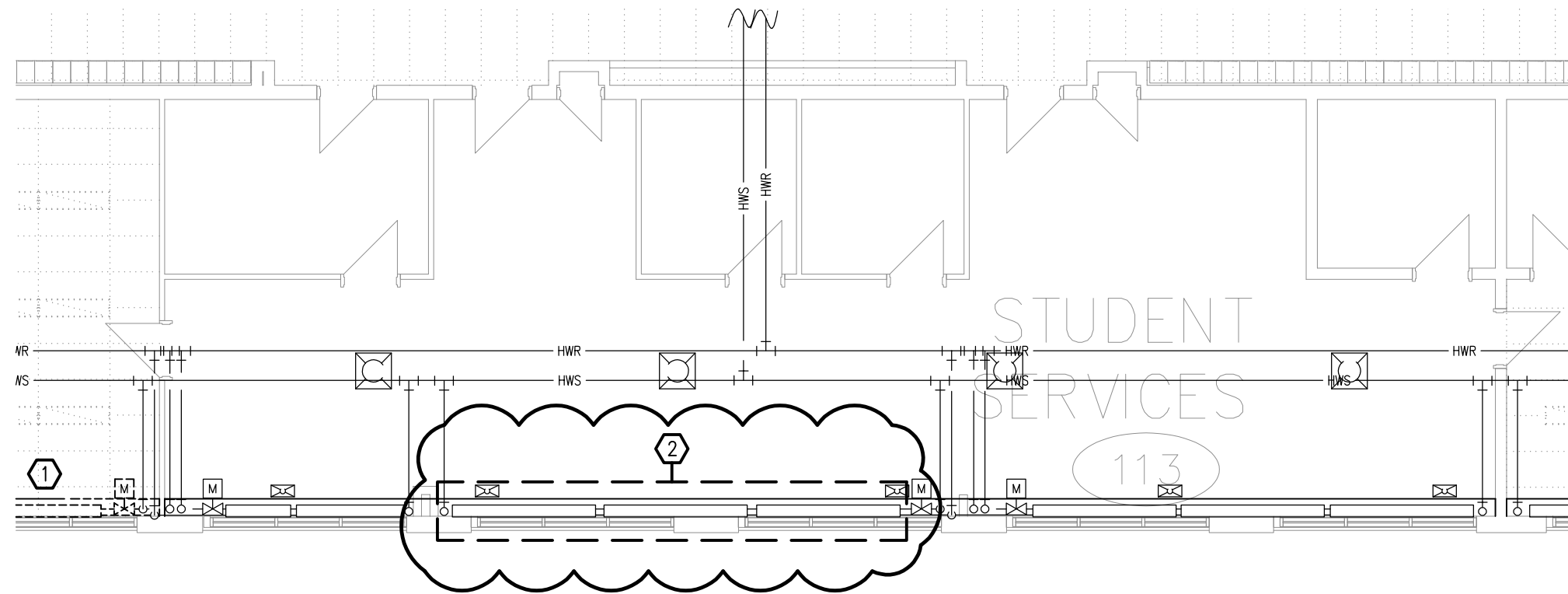
The unit shall have a built-in carbon dioxide (CO₂) sensor monitoring the CO₂ concentration of the return air to control ventilation **and a mixed air temperature sensor.** The ~~sensor~~ sensors shall be monitored by the building automation system (BAS).

- .4 Revise design as per attached sketches SKM-ADDM002A to SKM-ADDM002E.

END OF ADDENDUM

Signed: *Sylvain Chenier*
Sylvain Chenier, P.Eng.

Reviewed: Mech: Elec: Partner:



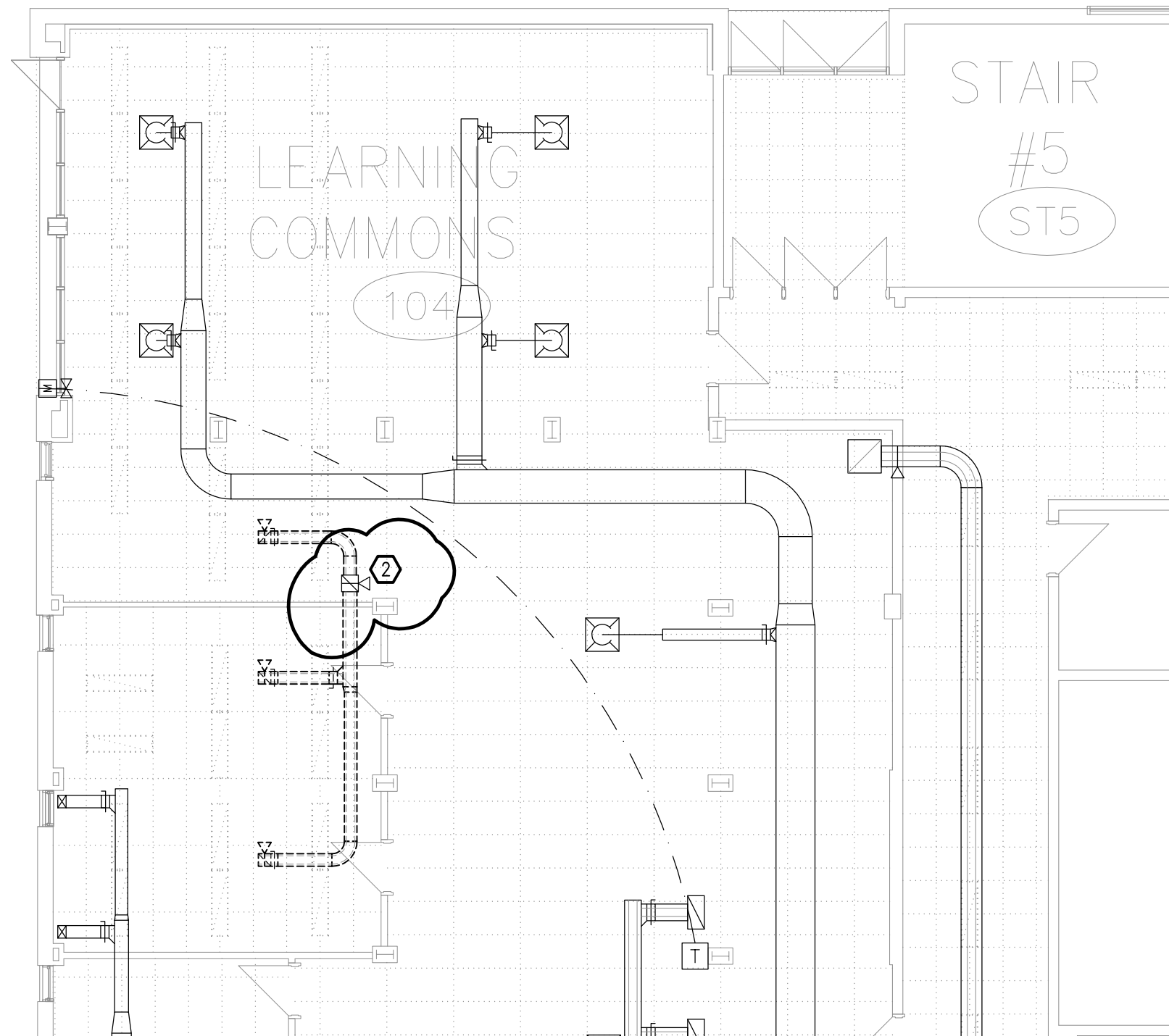
DRAWING NOTES

- 1 CUT BACK HEATING WATER PIPING, VALVES, FITTINGS, TWO LEVELS OF FINNED TUBES, VENTS, AND CONVECTION HEATER CASING AS REQUIRED TO ACCOMMODATE NEW UNIT VENTILATOR INSTALLATION. REMOVE AND RE-INSTALL ADDITIONAL CASING SECTIONS AS REQUIRED TO COMPLETE WORK.
- 2 REMOVE AND REINSTALL HOT WATER PIPING, VALVES, FITTINGS, TWO LEVELS OF FINNED TUBES, VENTS, AND CONVECTION HEATER CASING AS REQUIRED WITHIN HIGHLIGHTED AREA TO ACCOMMODATE TRENCHING FOR NEW ELECTRICAL SERVICE.



PROJECT: 2510 PARKDALE AVE, BROCKVILLE, ONTARIO
 TISS – MECHANICAL REPLACEMENT
 DRAWING NAME: MECHANICAL: PART OF DWG MD103
 HVAC REVISIONS – FIRE RATED GRILLES

SCALE:
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 DRAWING No.
 SKM-ADDM002A
 JOB No.
 25020



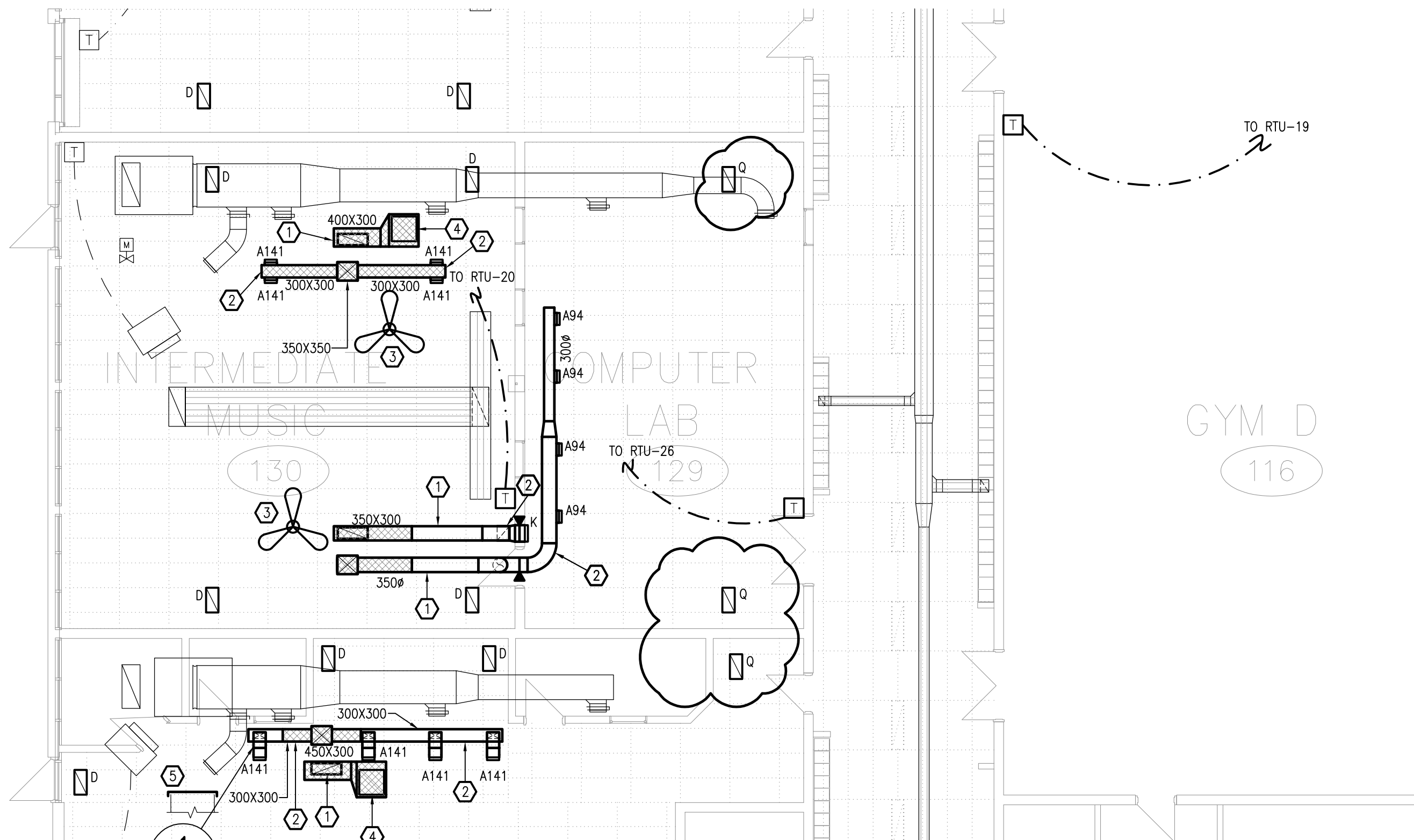
DRAWING NOTES


- ① CUT BACK AND REMOVE DUCTWORK AS INDICATED. CAP DUCT ON CORRIDOR SIDE AND CLOSE FIRE DAMPER. WALL GRILLES TO REMAIN.
- ② CUT BACK DUCTWORK AS INDICATED AND CLOSE FIRE DAMPER AT SECOND FLOOR SLAB AND CAP DUCTWORK BELOW SECOND FLOOR SLAB. ABANDON DUCTWORK WITHIN SHAFT.

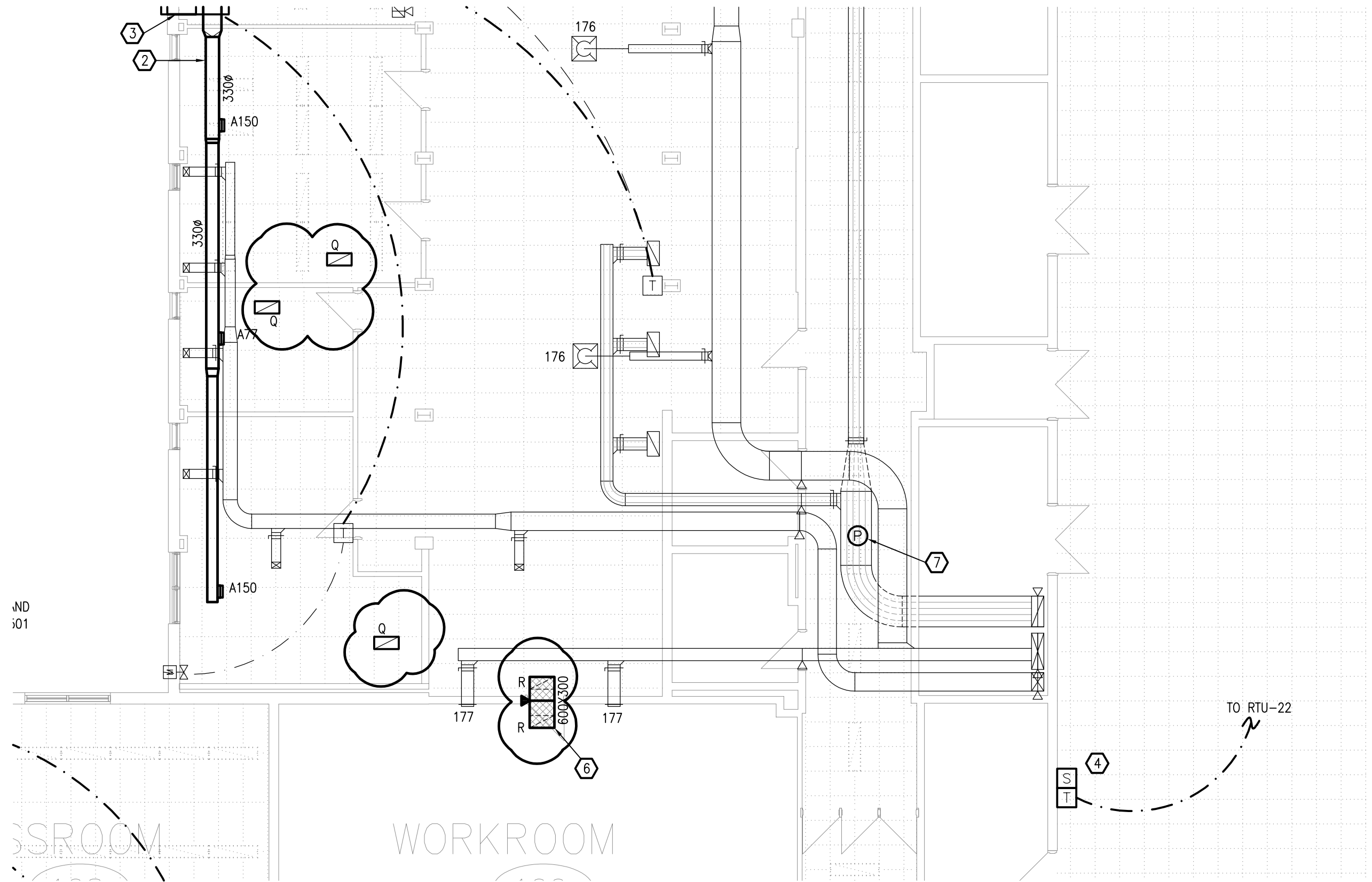


PROJECT: 2510 PARKDALE AVE, BROCKVILLE, ONTARIO
TISS – MECHANICAL REPLACEMENT
DRAWING NAME: MECHANICAL: PART OF DWG MD204
HVAC REVISIONS – FIRE RATED GRILLES

SCALE:
1:100
DRAWING No.
SKM-ADDM002B
JOB No.
25020



	PROJECT:	2510 PARKDALE AVE, BROCKVILLE, ONTARIO	SCALE:
		TISS – MECHANICAL REPLACEMENT	1:100
	DRAWING NAME:	MECHANICAL: PART OF DWG M202	DRAWING No.
		HVAC REVISIONS – FIRE RATED GRILLES	SKM-ADDM002C
			JOB No.
			25020



ND
i01

STORAGE

WORKROOM

TO RTU-22



PROJECT: 2510 PARKDALE AVE, BROCKVILLE, ONTARIO
TISS – MECHANICAL REPLACEMENT
DRAWING NAME: MECHANICAL: PART OF DWG M204
HVAC REVISIONS – FIRE RATED GRILLES

SCALE:
1:100
DRAWING No.
SKM-ADDM002D
JOB No.
25020

GRILLE & DIFFUSER SCHEDULE							
REF.	FUNCTION	THROW DIRECTION	FRAME OR BORDER TYPE	NECK SIZE	COLOR	BALANCING DAMPER	REMARKS
A	SUPPLY	2-WAY	DUCTED	N/A	WHITE	IN BRANCH	EQUAL TO NAILOR MODEL SERIES 51DH, 304X152
B	SUPPLY	2-WAY	DUCTED	N/A	WHITE	IN BRANCH	EQUAL TO NAILOR MODEL SERIES 51DH, 355X254
D	RETURN	N/A	T-BAR	N/A	WHITE	NONE	EQUAL TO NAILOR MODEL SERIES 51EC, 609X304
E	SUPPLY	2-WAY	DUCTED	N/A	WHITE	IN BRANCH	EQUAL TO NAILOR MODEL SERIES 51DH, 152X152
F	SUPPLY	4-WAY	T-BAR	250ø	WHITE	IN BRANCH	EQUAL TO NAILOR MODEL SERIES 4020, 609X609
G	RETURN	N/A	T-BAR	N/A	WHITE	NONE	EQUAL TO NAILOR MODEL SERIES 5145H, 203X203
H	RETURN	N/A	T-BAR	N/A	WHITE	NONE	EQUAL TO NAILOR MODEL SERIES 51EC, 1219X609
J	RETURN	N/A	T-BAR	N/A	WHITE	NONE	EQUAL TO NAILOR MODEL SERIES 51EC, 609X609
L	SUPPLY	2-WAY	DRYWALL/DUCTED	750X350	WHITE	IN BRANCH	EQUAL TO NAILOR MODEL SERIES 51DH, 600X350
M	INTAKE/EXHAUST	N/A	FLANGED	N/A	GF209**	NONE	EQUAL TO AIROLITE MODEL K609HP, 2060X2150*
P	INTAKE/EXHAUST	N/A	FLANGED	N/A	GF209**	NONE	EQUAL TO AIROLITE MODEL K609HP, 1200X1200
Q	RETURN	N/A	T-BAR	N/A	WHITE	NONE	EQUAL TO FIRE RATED NAILOR MODEL SERIES 4115, 609X304
R	RETURN	N/A	T-BAR	N/A	WHITE	NONE	EQUAL TO FIRE RATED EH PRICE MODEL SERIES 80FF-FR, 609X304

*MEASURE LOUVER ON SITE PRIOR TO ORDERING TO FIT WITHIN WINDOW MULLIONS. COORDINATE WITH ARCHITECTURAL DRAWINGS.

**COORDINATE WITH ARCHITECT PRIOR TO ORDERING

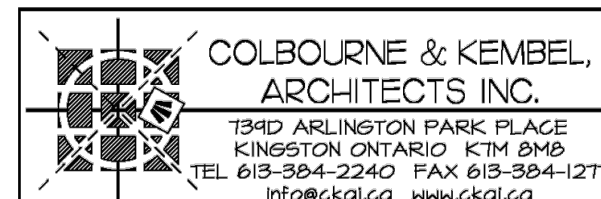


PROJECT:	2510 PARKDALE AVE, BROCKVILLE, ONTARIO TISS – MECHANICAL REPLACEMENT
DRAWING NAME:	MECHANICAL: PART OF DWG M401 HVAC REVISIONS – FIRE RATED GRILLES



SCALE:	N.T.S.
DRAWING No.	SKM-ADDM002E
JOB No.	25020

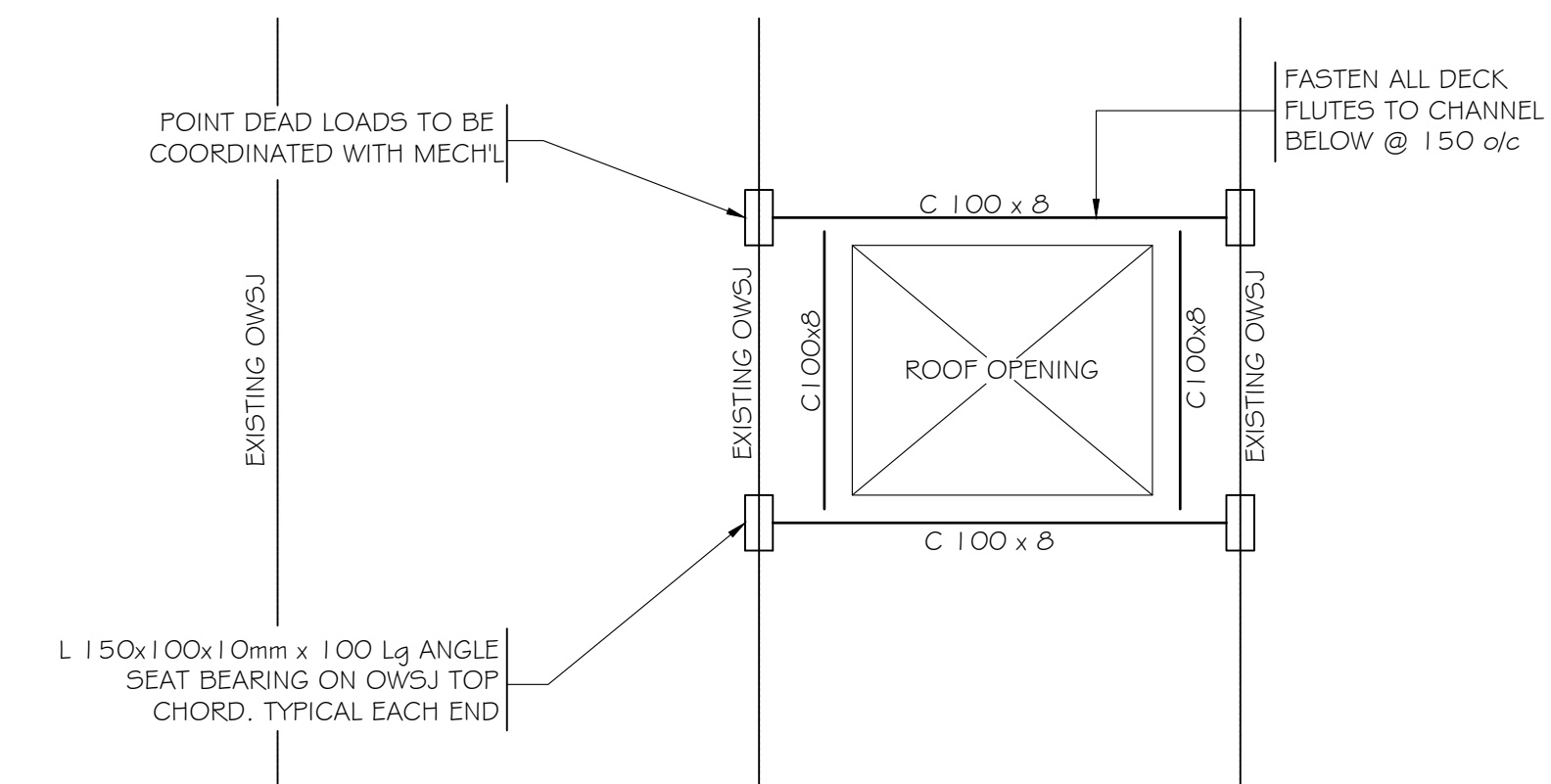


-
- PENETRATIONS
- CRACKED MORTAR JOINTS TO BE REPOINTED B/S OF WALL (TYP.)
- ALL NEW CONCRETE BLOCK TO BE FILLED SOLID WITH GROUT
- CRACKED MORTAR JOINTS TO BE REPOINTED B/S OF WALL (TYP.) W/ TYPE 'N' MORTAR MIN. COMPRESSIVE STRENGTH OF 6 MPa
- REPLACE W/ SIMILAR CMU BLOCK
- (ILLUSTRATIVE)
- MASONRY WALL REPAIR ELEVATION**
- SCALE: 1:50
- EXISTING CRACKS
- (ILLUSTRATIVE)
- EXISTING MASONRY WALL ELEVATION**
- SCALE: 1:50



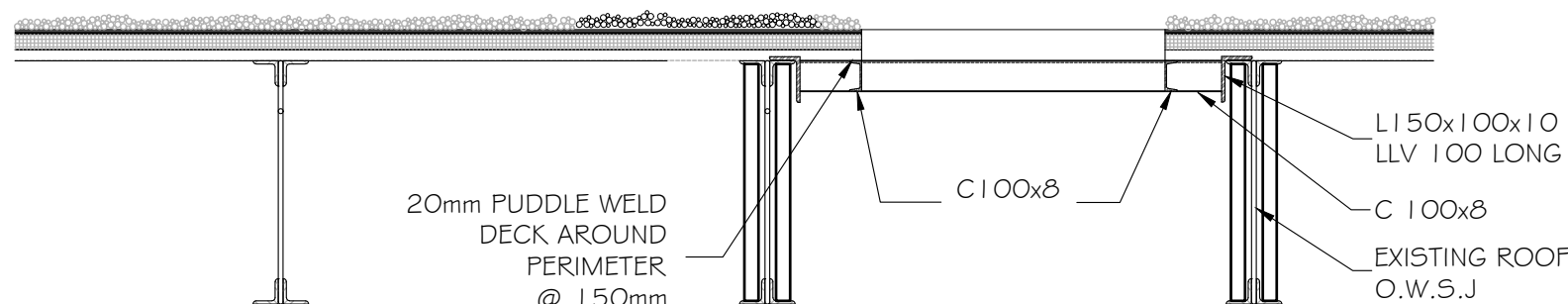
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4	B.O.B	2026 04 08	ISSUED FOR TENDER & PERMIT
3	B.O.B	2025 10 09	99% SUBMISSION
2	B.O.B	2025 08 27	90% SUBMISSION
1	B.O.B	2025 06 25	60% SUBMISSION
0	B.O.B	2025 06 23	FOR REVIEW
No.	By	Date	Revisions

Design: BC	Checked: BC	Approved:	Project No.: 12114
Drawn: B.O.B.	Checked: BC	Date: 2025 06 23	Contract No.:
Scale:  Horizontal: AS SHOWN  Vertical: AS SHOWN		Drawing No.: S1 REV. DATE: none	

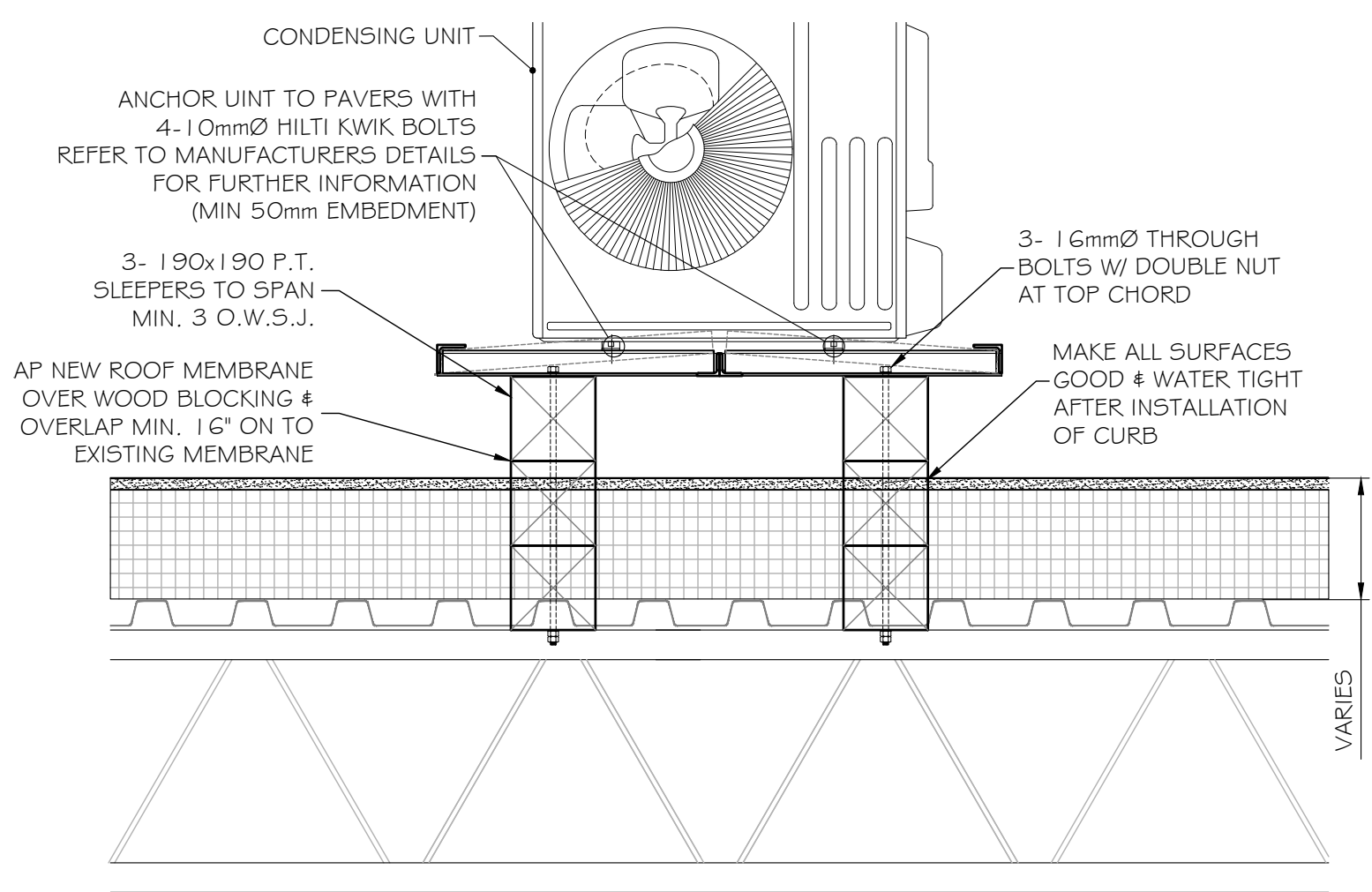


TYP. ROOF OPENING PLAN
SCALE:- 1:25

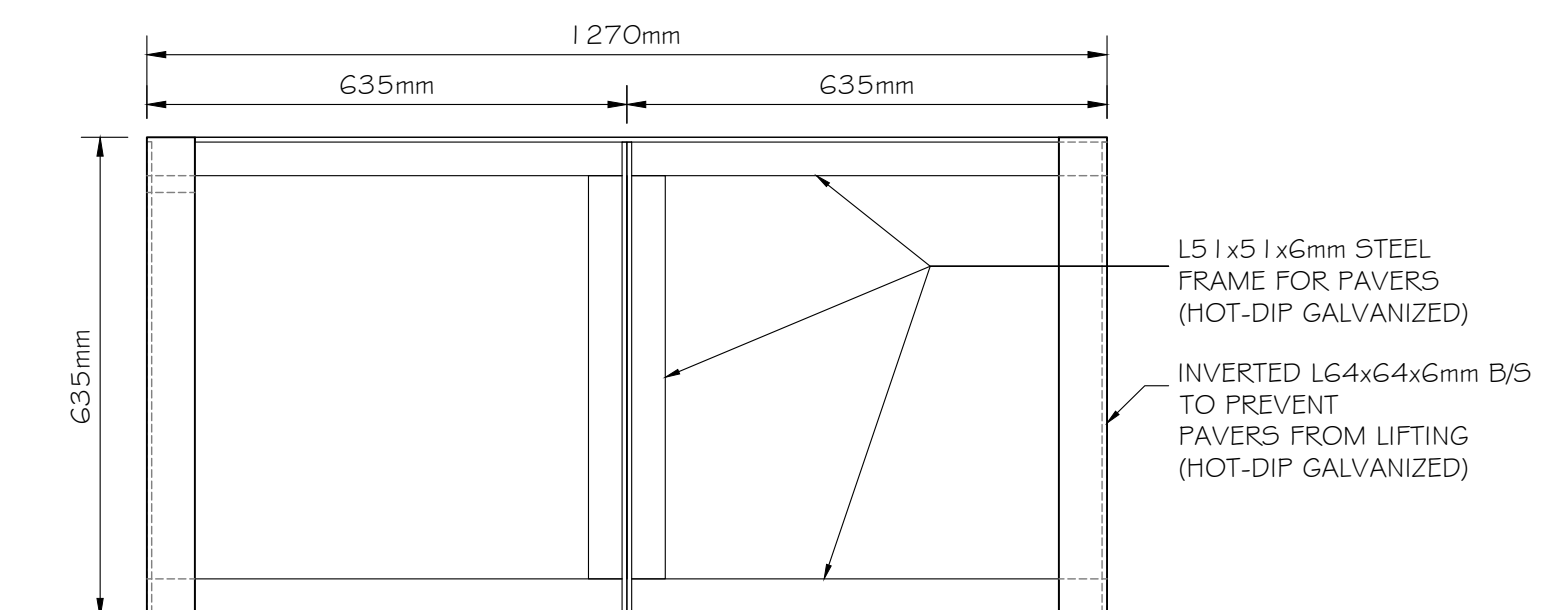
NOTE:
CUT DECK & PROVIDE HILTI X-EDN19 PINS @ 150mm c.c ALONG SUPPORT ANGLE ALL AROUND. MAKE GOOD ALL SURFACES.



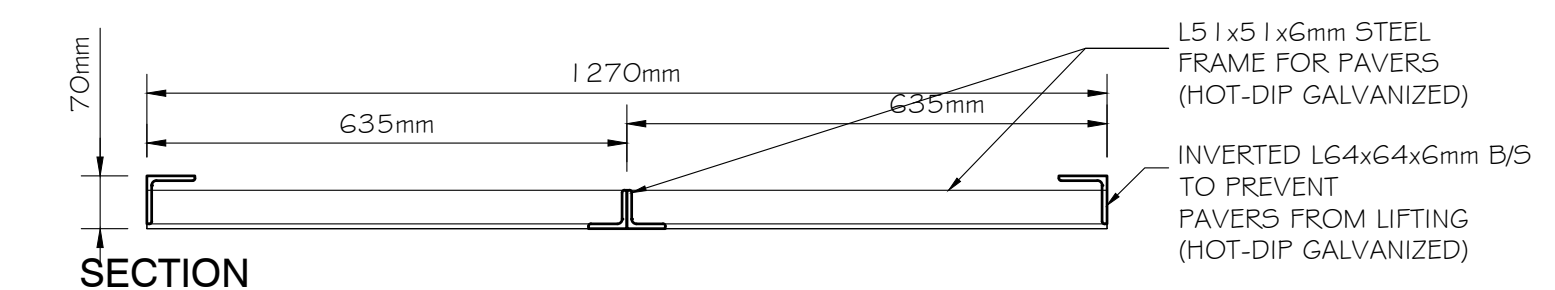
TYP. ROOF OPENING SECTION
SCALE:- 1:25



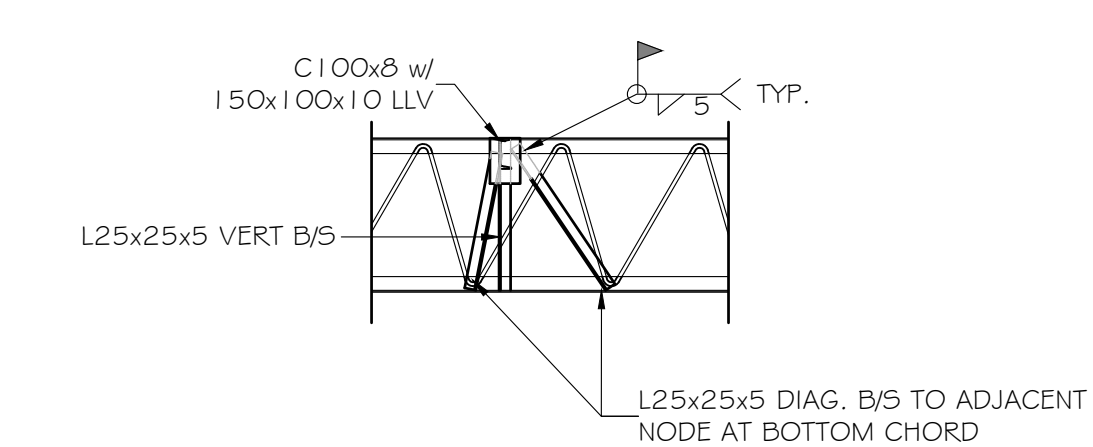
CONDENSING UNIT - SEISMIC INSTALLATION DETAILS
SCALE:- 1:15



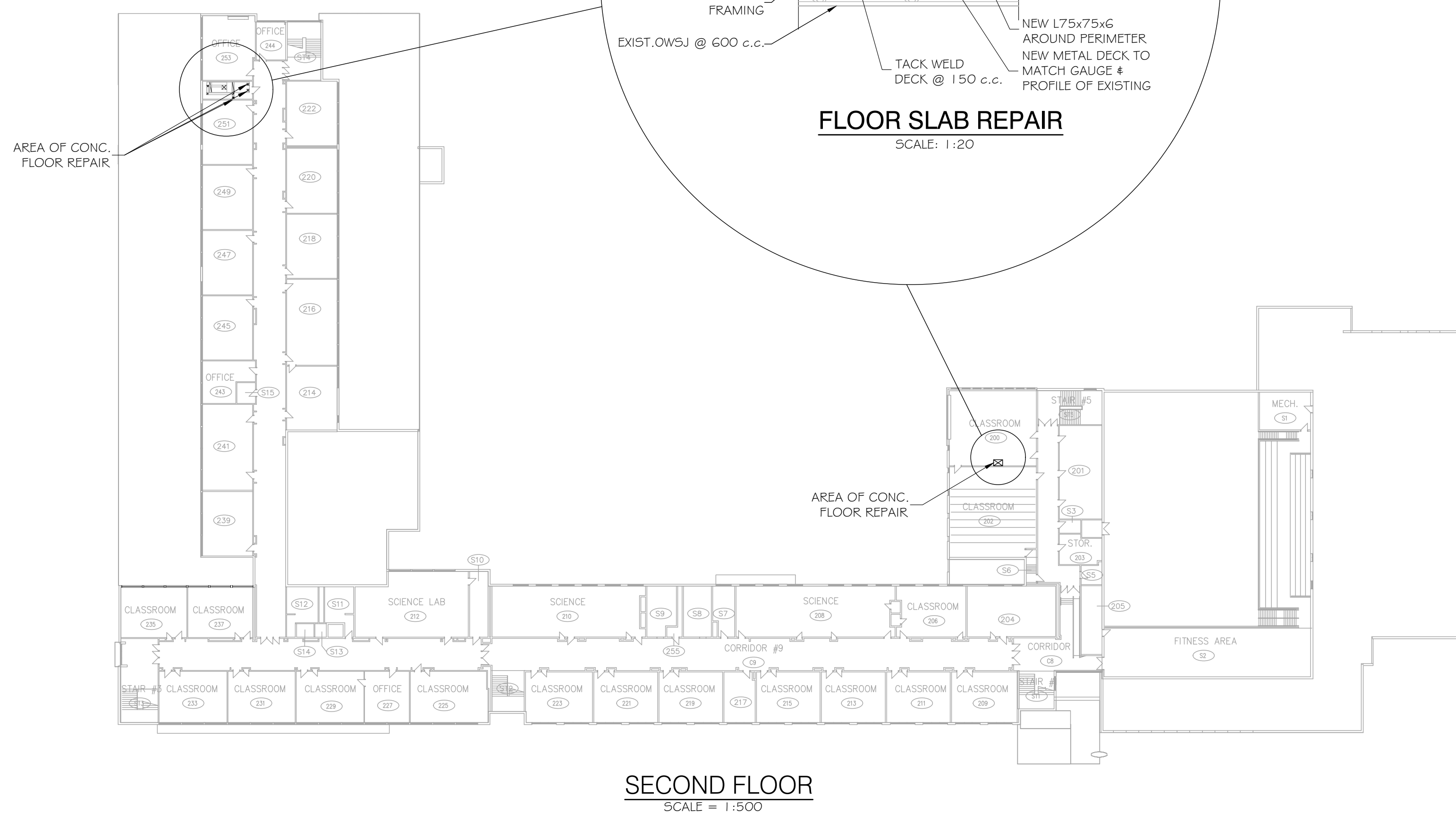
PLAN VIEW
ALL CONNECTIONS SHALL BE SQUARE AND WELDED ALL AROUND (TYP.)



ROOFTOP CONDENSING UNIT- PAVER FRAME DETAIL
SCALE:- 1:10



ROOF OPENING OWSJ MODIFICATION
SCALE:- 1:25



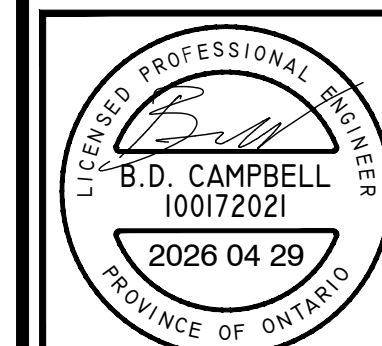
SECOND FLOOR
SCALE = 1:500



ROOF PLAN
SCALE = 1:500

5	B.O.B.	2026 04 29	ISSUED FOR ADDENDUM 1
4	B.O.B.	2026 04 08	ISSUED FOR TENDER & PERMIT
3	B.O.B.	2025 10 09	99% SUBMISSION
2	B.O.B.	2025 08 27	90% SUBMISSION
1	B.O.B.	2025 06 25	60% SUBMISSION
0	B.O.B.	2025 06 23	FOR REVIEW
No.	By	Date	Revisions

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The contractor must check and verify all dimensions on the job prior to start of construction.
DRAWINGS ARE NOT TO BE SCALED



Design: BC	Checked: BC	Approved:	Project No.: 12114
Drawn: B.O.B.	Checked: BC	Date: 2025 06 23	Contract No.:
Scale: Horizontal: AS SHOWN	Drawing No.: S2	REV DATE: 4/29/2026	

