

SCHEDULE OF GRILLES AND DIFFUSERS					
TAG	SERVICE	MANUFACTURER	MODEL NO.	SIZE (MM)	REMARKS
A	LINEAR SLOT SUPPLY	EH PRICE	SDS100	2-SLOT, 25MM SLOT WIDTH, 1200MM ACTIVE LENGTH, REFER TO FLOORPLAN FOR NECK CONNECTION	1,2,3,4,5
B	LINEAR SLOT RETURN	EH PRICE	SDR100	2-SLOT, 25MM SLOT WIDTH, LENGTH PER FLOOR PLAN	1,5
NOTES: 1. FINISH AS PER ARCHITECT. 2. C/W SDB TYPE PLENUM UNLESS OTHERWISE NOTED. PROVIDE CUSTOM PLENUM WHERE REQUIRED. 3. REFER TO FLOORPLANS AND DETAILS FOR FLOW PATTERN. 4. PROVIDE BLANK-OFF PANELS FOR INACTIVE DIFFUSER PORTIONS WHERE SHOWN ON FLOORPLANS. 5. ALL SUPPLY AND RETURN DIFFUSERS/GRILLES TO HAVE AN NC RATING OF LESS THAN 20 AT SCHEDULED AIRFLOW. 6. C/W BALANCING DAMPER					

## GENERAL NOTES

- ANY REFERENCE TO CONTRACTOR ON MECHANICAL DRAWINGS IS NOT EXCLUSIVE TO MECHANICAL CONTRACTOR OR ONE PARTICULAR SUB-TRADE. IT IS UNDERSTOOD THAT THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATE OF ALL TRADES' WORK AND AS SUCH SHALL BE RESPONSIBLE FOR REVIEW OF DOCUMENTS PREPARED BY ALL DISCIPLINES (I.E. MECHANICAL AND ELECTRICAL) AND INCLUDING ALL ASSOCIATED COSTS FOR THE SCOPE OF WORK AS IDENTIFIED IN ALL SUB-DISCIPLINE'S DOCUMENTS.
- THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS AND THAT ADDITIONAL COSTS ARE INCLUDED IN BID TO FACILITATE INSTALLATION. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS, AND INTERFERENCES. CONTRACTOR SHALL PROVIDE INTERFERENCE DRAWINGS TO CONSULTANT FOR REVIEW AND DIRECTION. CONTRACTOR SHALL VERIFY ALL CONNECTIONS, PIPE SIZES AND LOCATION OF EXISTING SERVICES AT POINTS OF CONNECTIONS ON SITE AND REPORT ANY DISCREPANCY TO THE CONSULTANT PRIOR TO FABRICATION &/OR INSTALLATION OF NEW SERVICES.
- ENSURE THAT ALL NEW AND EXISTING MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE AND THAT ACCESS REQUIREMENTS ARE NOT OBSTRUCTED BY NEW OR EXISTING SERVICES AND STRUCTURE. COORDINATE WITH PROJECT MANAGER AND ALL OTHER TRADES. INSTALL MECHANICAL EQUIPMENT IN SUCH A WAY AS TO PROVIDE ALL ACCESS REQUIREMENTS. REFER TO SHOP DRAWINGS AND/OR MANUFACTURER'S RECOMMENDATIONS FOR ACCESS REQUIREMENTS. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND MECHANICAL ENGINEER. PROVIDE ACCESS DOORS/PANELS WITH MINIMUM DIMENSIONS AS NOTED BELOW (UNLESS INDICATED OTHERWISE ON DRAWINGS):
  - 24 INCHES BY 24 INCHES FOR PERSONNEL ENTRY.
  - 18 INCHES BY 18 INCHES FOR HAND ENTRY.
  - 12 INCHES BY 12 INCHES FOR VIEWING ONLY.
  - SIZE DOORS TO ALLOW ADEQUATE OPERATING/MAINTENANCE CLEARANCE FOR DEVICES.
  - ACCESS DOORS SHALL BE, WHEREVER POSSIBLE, OF A STANDARD SIZE FOR EACH APPLICATION.
- SUPPLY ALL LABOUR AND MATERIALS TO PROVIDE A COMPLETE MECHANICAL INSTALLATION. ITEMS NOT EXPLICITLY ILLUSTRATED ON THE DRAWINGS ARE NOT TO BE EXCLUDED FROM THE SCOPE OF WORK IF REQUIRED AS PART OF A PROPER INSTALLATION. PERMITS, TESTING, BALANCING, AND OCCUPANT OPERATIONAL TRAINING WILL BE PART OF THE WORK.
- PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING CEILINGS AND WALLS TO FACILITATE DEMOLITION AND THE INSTALLATION OF THE MECHANICAL SERVICES OUTLINED FOR THIS SCOPE OF WORK.
- WELDING TO BE PERFORMED WITH STRINGENT ENVIRONMENTAL CONDITIONS FOR SMOKE AND FUME EVACUATION.
- THE MECHANICAL DRAWINGS ARE PERFORMANCE DRAWINGS, DIAGRAMMATIC, AND SHOW APPROXIMATE LOCATIONS OF EQUIPMENT AND CONNECTING SERVICES. ANY INFORMATION REGARDING ACCURATE MEASUREMENT OF THE BUILDING ARE TO BE TAKEN AT THE SITE. DO NOT SCALE THE DRAWINGS, AND DO NOT USE THE DRAWINGS FOR PREFABRICATION WORK.
- FOR CLARITY, NOT ALL EXISTING EQUIPMENT, DUCTWORK, PIPING, ETC. HAS BEEN SHOWN ON THE DRAWINGS. THE EXISTING EQUIPMENT, PIPES, DUCTS AND SERVICES ARE SHOWN FOR REFERENCE ONLY. EXACT LOCATIONS, SIZES AND DIMENSIONS SHALL BE DETERMINED ON SITE. WHERE INTERFERENCES EXIST, CONTRACTOR SHALL REROUTE THE NEW WORK TO SUIT THE EXISTING SERVICES.
- NOT ALL CONNECTIONS TO EQUIPMENT ARE SHOWN. REFER TO THE MANUFACTURERS LITERATURE FOR ALL PIPING CONNECTIONS.
- CONTRACTOR IS TO BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL DUCTWORK AND EQUIPMENT AS SHOWN ON THE DEMOLITION PLAN UNLESS NOTED OTHERWISE.
- COORDINATE, WITH THE OWNER AND GENERAL CONTRACTOR, ALL TEMPORARY SHUT DOWNS. PROVIDE THE DATE AND PERIOD OF THE TIME REQUIRED FOR DISCONNECTING AND MAKING NEW CONNECTIONS TO PIPING, DUCTING, AND ALL RELATED MECHANICAL WORK IN ORDER TO KEEP THE INTERRUPTIONS OF DAILY OPERATIONS AS MINIMAL AS POSSIBLE. INCLUDE FOR FREEZING WHERE REQUIRED. IT IS RECOMMENDED THAT THE CONTRACTOR PROVIDE MINIMUM 7 WORKING DAYS NOTICE TO THE OWNER, FOR ANY SHUTDOWN REQUIRED.
- SURVEY ALL AFFILIATED WORK AREAS AND REPORT ABNORMALITIES AND DISCREPANCIES TO CONSULTANT.
- WHERE CEILING, FLOOR, WALL OR ROOF OPENINGS ARE REQUIRED TO RUN MECHANICAL SERVICES, SEAL ALL OPENINGS WITH APPROVED FIRE-STOPPING MATERIALS AS REQUIRED. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- IF ASBESTOS CONTAINING MATERIAL IS SUSPECTED OR IDENTIFIED IN THE WORK AREA AND REQUIRED TO BE HANDLED AS PART OF THE DEMOLITION PHASE OF THE PROJECT, CONTRACTOR SHALL HALT WORK AND INFORM CONSULTANT OF SUCH CONDITIONS. CONTRACTOR SHALL NOT PROCEED WITH DEMOLITION OF SUCH AREAS WITHOUT AUTHORIZATION BY CONSULTANT. REMOVAL OF SUCH MATERIALS TO ACCOMMODATE THE WORK DESCRIBED AND OUTLINED IN THESE DRAWINGS SHALL BE ARRANGED THROUGH THE OWNER. ASBESTOS ABATEMENT, IF ANY, IS EXCLUDED FROM THIS CONTRACT AND WILL BE HANDLED SEPARATELY BY OWNER.
- ALL ABANDONED OR OBSOLETE MECHANICAL SERVICES SUCH AS VALVES, PIPING, EQUIPMENT, INSTRUMENTATION, ETC. SHALL BE REMOVED FROM WITHIN THE WORK AREA TO FACILITATE ALL NEW MECHANICAL WORK, UNLESS OTHERWISE NOTED BY THE OWNER OR ON THE DRAWINGS.
- INSULATE ALL NEW DUCTWORK AND AND ANY EXISTING DUCTWORK WHERE INSULATION HAS BEEN REMOVED OR DAMAGED BY THIS WORK. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ANY SERVICES THAT ARE NOT SHOWN ON THE DRAWINGS AND ARE EXPOSED DURING DEMOLITION/CONSTRUCTION SHALL BE VERIFIED BY THE CONTRACTOR AND REPORTED TO THE CONSULTANT.
- CONTRACTOR SHALL COORDINATE WITH ALL NEW AND EXISTING MECHANICAL AND ELECTRICAL SERVICES WHEN MAKING THE PIPE, DUCTING, AND EQUIPMENT CONNECTIONS ON SITE.
- CONTRACTOR TO PROVIDE TEMPORARY HEATING/COOLING AND VENTILATION FOR AREAS AFFECTED BY TEMPORARY SHUT-DOWN.
- DO NOT INTERRUPT EXISTING MECHANICAL SERVICES OCCUPIED OR ADJACENT AREAS OUTSIDE THE SCOPE UNLESS APPROVED BY THE OWNER.
- ALL DEMOLITION WORK SHALL BE PERFORMED WITH DUE CARE AND DILIGENCE, SO AS TO PREVENT THE UNNECESSARY DESTRUCTION AND/OR DAMAGE TO SYSTEMS THAT SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION PHASE OF THIS WORK.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGES THAT MIGHT OCCUR TO THE MECHANICAL SYSTEMS DURING CONSTRUCTION. CONTRACTOR SHALL PROTECT ANY AND ALL PORTIONS OF THE EXISTING MECHANICAL SYSTEMS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO OWNER'S OCCUPIED AREAS ADJACENT TO THE NEW CONSTRUCTION.
- CONTRACTOR TO PAY FOR AND OBTAIN ALL REQUIRED PERMITS, FEES, LICENSES CERTIFICATES OF INSPECTION, ETC. IF REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY SEALING PENETRATIONS THROUGH FIRE RATED, SMOKE RATED OR COMBINATION FIR & SMOKE RATED SEPARATIONS. SEE SPECIFICATIONS FOR FIRE & SMOKE RATED SEALANTS. CONTRACTOR TO STOP INSULATION FLUSH WITH ALL WALL AND FLOOR SURFACES AND SEAL SPACE BETWEEN PIPE, DUCT, AND SLEEVE WITH ULC APPROVED AND LISTED FIRE STOPPING MATERIAL AS REQUIRED.
- CONTRACTOR TO PROVIDE APPARATUS WITH PROPER NAMEPLATES AFFIXED THERE TO, SHOWING THE SIZE, NAME OF THE EQUIPMENT, SERIAL NUMBER AND ALL INFORMATION USUALLY PROVIDED, WHICH ALSO INCLUDES VOLTAGE, CYCLE, PHASE AND HORSEPOWER OF MOTORS AND THE NAME AND ADDRESS OF THE MANUFACTURER.
- COORDINATE MECHANICAL WORK WITH WORK OF ALL OTHER DIVISIONS.
- CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS WITHIN 2 WEEKS AFTER COMMISSIONING IS COMPLETED.
- MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REINSTALLATION AND RECONNECTION OF ALL SUCH SERVICES TO MATCH EXISTING STANDARDS. CONTRACTOR SHALL INCLUDE ALL COSTS FOR SITE INVESTIGATION TO SOURCE DELETE SERVICES REQUIRED FOR RE-CONNECTION OF EXISTING SERVICES THAT MUST REMAIN. INCLUDE IN YOUR BID ALL COSTS ASSOCIATED WITH SITE INVESTIGATION, ETC. AND ALL REQUIRED COSTS FOR THIS WORK. REVIEW AND NOTE EXISTING CONDITIONS AND CONFIRM EXACT SITE CONDITIONS.

## MECHANICAL SYMBOLS

### VENTILATION

SYMBOL	DESCRIPTION
	FUSIBLE LINK FIRE DAMPER (DOUBLE LINE)
	FUSIBLE LINK FIRE DAMPER (SINGLE LINE)
	BALANCING DAMPER (DOUBLE LINE)
	BALANCING DAMPER (SINGLE LINE)
	RECTANGULAR DUCTWORK - DIMENSION AS SHOWN
	ROUND DUCTWORK - DIMENSION AS SHOWN
	DUCTWORK (SINGLE LINE) - DIMENSION AS SHOWN
	SUPPLY DUCT UP
	EXHAUST/RETURN DUCT UP
	SUPPLY DUCT DOWN
	EXHAUST/RETURN DUCT DOWN
	MITRED ELBOW WITH AIR TURNING VANES
	DUCT RISE (DOUBLE LINE)
	DUCT RISE (SINGLE LINE)
	MOTORIZED DAMPER
	SUPPLY GRILLE - DIMENSIONS SHOWN ON SCHEDULE
	EXHAUST/RETURN GRILLE - DIMENSIONS SHOWN ON SCHEDULE
	CEILING SUPPLY AIR DIFFUSER - DIMENSIONS SHOWN ON SCHEDULE
	SUPPLY AIR LINEAR SLOT DIFFUSER - DIMENSIONS SHOWN ON SCHEDULE
	CEILING EXHAUST/RETURN GRILLE - DIMENSIONS SHOWN ON SCHEDULE
	BRANCH TAKE-OFF WITH ADJUSTABLE SPLITTER DAMPER IN SUPPLY DUCT (DOUBLE LINE)
	BRANCH TAKE-OFF WITH ADJUSTABLE SPLITTER DAMPER IN SUPPLY DUCT (SINGLE LINE)
	OPEN ENDED DUCT WITH BALANCING DAMPER AND BELLMOUTH, DIRECTION AS SHOWN (DOUBLE LINE)
	OPEN ENDED DUCT WITH BALANCING DAMPER AND BELLMOUTH, DIRECTION AS SHOWN (SINGLE LINE)
	FLEXIBLE DUCT CONNECTION
	DIFFUSER TAG
	GRILLE TAG
	ACOUSTICALLY LINED DUCTWORK (DOUBLE LINE)
	ACOUSTICALLY LINED DUCTWORK (SINGLE LINE)
	SILENCER (ATTENUATOR)
	FLEXIBLE DUCT (DOUBLE LINE)
	FLEXIBLE DUCT (SINGLE LINE)
	RETURN AIR OPENING IN WALL ABOVE FINISHED CEILING
	FLEXIBLE DUCT CONNECTION WITH BALANCING DAMPER ON TAKE-OFF
	DUCT TRANSITION FROM RECTANGULAR TO ROUND
	RECTANGULAR DUCT BREAK
	ROUND DUCT BREAK
	SINGLE LINE DUCT BREAK

## MECHANICAL SYMBOLS

### GENERAL

SYMBOL	DESCRIPTION
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
	EXISTING TO BE REMOVED FOR RELOCATION
	EXISTING RELOCATED IN NEW WORK
	NEW WORK
	CONNECT TO EXISTING
	AIRFLOW / PIPE FLOW DIRECTION
	ROOM THERMOSTAT
	ROOM HUMIDISTAT
	CAP

## MECHANICAL SYMBOLS

### PLUMBING

SYMBOL	DESCRIPTION
	SANITARY DRAINAGE - ABOVE GROUND
	STORM DRAINAGE - ABOVE GROUND
	DOMESTIC COLD WATER SUPPLY
	DOMESTIC HOT WATER SUPPLY
	DOMESTIC HOT WATER RECIRC.
	VENT
	GAS
	COMPRESSED AIR
	HEAT TRACING
	RUNNING TRAP
	P-TRAP
	EMERGENCY SHOWER
	EYE WASH
	CLEANOUT IN FLOOR/BELOW GRADE
	CLEANOUT IN CEILING
	VENT THROUGH ROOF
	RAIN WATER LEADER
	TRAP SEAL PRIME
	FUNNEL FLOOR DRAIN
	FLOOR DRAIN
	HUB DRAIN

THIS LEGEND IS GENERIC. ALL SYMBOLS LISTED MAY NOT BE APPLICABLE FOR THIS PROJECT. REFER TO FLOOR PLANS TO DETERMINE USED DEVICES AND EQUIPMENT.

## MECHANICAL LEGEND

### FIRE PROTECTION

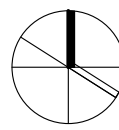
SYMBOL	DESCRIPTION
	SPRINKLER LINE
	FIRE MAIN
	STANDPIPE
	PENDENT SPRINKLER HEAD
	UPRIGHT SPRINKLER HEAD
	CONCEALED SPRINKLER HEAD
	FIRE SUPPRESSION SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD

THIS LEGEND IS GENERIC. ALL SYMBOLS LISTED MAY NOT BE APPLICABLE FOR THIS PROJECT. REFER TO FLOOR PLANS TO DETERMINE USED DEVICES AND EQUIPMENT.

## SHEET LIST TABLE

Sheet Number	Sheet Title
M001	LEGEND & DRAWING LIST
M378-211	MCLAUGHLIN COLLEGE 211
M378-212	MCLAUGHLIN COLLEGE 212
M378-213	MCLAUGHLIN COLLEGE 213
M378-214	MCLAUGHLIN COLLEGE 214
M378-215	MCLAUGHLIN COLLEGE 215
M378-216	MCLAUGHLIN COLLEGE 216
M393-215	BETHUNE COLLEGE 215
M393-225	BETHUNE COLLEGE 225
M393-230	BETHUNE COLLEGE 230
M393-322	BETHUNE COLLEGE 322
M393-323	BETHUNE COLLEGE 323
M400	MECHANICAL DETAIL SHEET

Project North



True North

9. 2025.05.02	ISSUED FOR TENDER	I.I.
8. 2025.05.02	ISSUED FOR PERMIT	I.I.
7. 2025.04.22	ISSUED FOR COORDINATION	I.I.
6. 2023.05.01	ISSUED FOR COORDINATION	MH
5. 2023.05.01	ISSUED FOR 80%CD COSTING	MH
4. 2023.03.24	ISSUED FOR 40%CD	MH
3. 2023.02.10	ISSUED FOR 100%DD	MH
2. 2023.02.03	ISSUED FOR PROGRESS REVIEW	MH
1. 2022.11.30	ISSUED FOR CLIENT REVIEW	RH
# DATE	REVISION	BY



All drawing and specifications are the property of the architect.  
The contractor shall verify all dimensions and information on site  
and report any discrepancy to architect before proceeding.

## YORK CLASSROOM RENEWAL Y3

York University, Keele Campus

## PHASE 2

BUILDING NAME:

BUILDING NUMBER:

CLASSROOM TYPE:

CLASSROOM NUMBER:

## LEGEND & DRAWING LIST

Scale: N.T.S.

Drawn by: TP

Reviewed by: MH

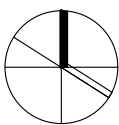
Job number: ED-22-764

Plot date: 2022.11.03

Drawing number:

M001



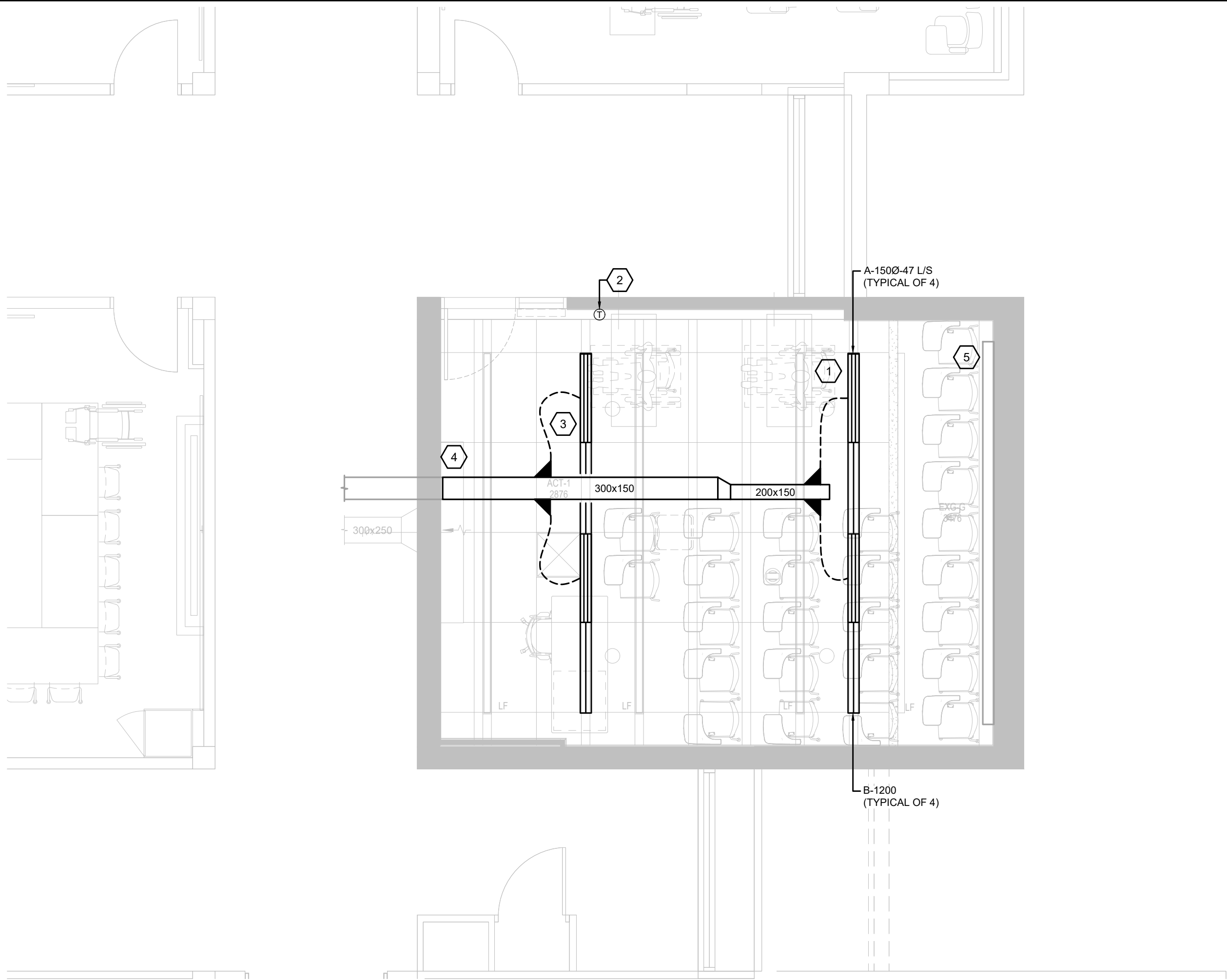


### NEW WORK NOTES

1. ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF SUPPLY AND RETURN AIR LINEAR GRILLES. WHERE THERE ARE NO ACTIVE SUPPLY AIR DIFFUSERS, CONTRACTOR TO INSTALL RETURN AIR LINEAR GRILLES. SEE SCHEDULE FOR SIZE AND TYPE. CONTRACTOR TO UTILIZE LOW SUPPLY AIR PLENUM WHERE CEILING SPACE IS LIMITED. RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID. REFER TO ARCHITECTURAL DWGS FOR DETAILS.
2. PROVIDE NEW TEMPERATURE SENSOR AND CONNECT TO EXISTING BAS. (TYPICAL)
3. PROVIDE NEW FLEX DUCTWORK TO LINEAR SLOT DIFFUSER PLENUM. LENGTH OF FLEX DUCTWORK TO NOT EXCEED 1500 MM (5 FEET), SIZE AS SHOWN. REFER TO DETAILS. (TYPICAL)
4. OFFSET DUCTWORK AS REQUIRED TO SUIT EXISTING CEILING SPACE CONDITIONS.
5. EXISTING UNIT VENTILATOR TO REMAIN AS IS. REPLACE FLAT TOP REMOVABLE GRILLES WITH SAME TYPE AND SIZE AS PREVIOUSLY REMOVED. CONTRACTOR TO CLEAN UNIT AT PROJECT COMPLETION

### NEW WORK GENERAL NOTES

1. MECHANICAL LAYOUTS AS SHOWN ON PLANS IS TO SHOW DESIGN INTENT INDICATE GENERAL LOCATIONS OF EQUIPMENT AND CONNECTING SERVICES. CONTRACTOR SHALL COORDINATE ROUTING AND ALL NECESSARY FITTINGS TO ACCOMMODATE THE SITE CONDITIONS AND TO MEET THE DESIGN INTENT.
2. VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS AND THAT ADDITIONAL COSTS ARE INCLUDED IN BID TO FACILITATE INSTALLATION. NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS, AND INTERFERENCES.
3. PROVIDE FOR ALL REQUIRED CUTTING AND PATCHING OF EXISTING CEILINGS AND WALLS TO FACILITATE THE INSTALLATION OF THE MECHANICAL SERVICES OUTLINED FOR THIS SCOPE OF WORK.
4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE AND ALL OTHER REGULATORY REQUIREMENTS
5. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN GUIDELINES. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS AS REQUIRED FOR COMPLETE INSTALLATION.
6. COORDINATE MECHANICAL WORK WITH WORK OF OTHER TRADES PRIOR TO FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS REQUIRED FOR COMPLETE WORKABLE INSTALLATION.
7. CONTRACTOR TO INCLUDE FOR TEMPORARY REMOVAL AND RE-INSTALLATION OF CEILING TILES AND GRID TO ALLOW FOR INSTALLATION OF NEW SERVICES. PROVIDE TEMPORARY SUPPORT FOR ALL EXISTING LIGHTING, DEVICES, AND CABLING WITHIN CORRIDOR CEILING SPACES.
8. CONTRACTOR TO CLEAN DUCTWORK AND DIFFUSERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
9. CONTRACTOR TO CLEAN EXISTING PERIMETER UNIT HEATERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
10. PROVIDE INSULATION AND PVC JACKETING PER SPECIFICATIONS AT EXISTING PIPING WHERE INSULATION IS DAMAGED
11. REFER TO ARCHITECTURAL DRAWINGS FOR FINAL LOCATION OF DIFFUSERS AND GRILLES
12. PROVIDE BALANCING DAMPERS ARE BRANCH TAKE OFFS FOR EACH DIFFUSER
13. PROVIDE ALL DUCT TRANSITIONS, FITTINGS TO SUIT INSTALLATION OF DUCTWORK, TAKE OFFS FOR DIFFUSERS AND GRILLES.
14. PROVIDE ACCESS PANELS WHERE REQUIRED



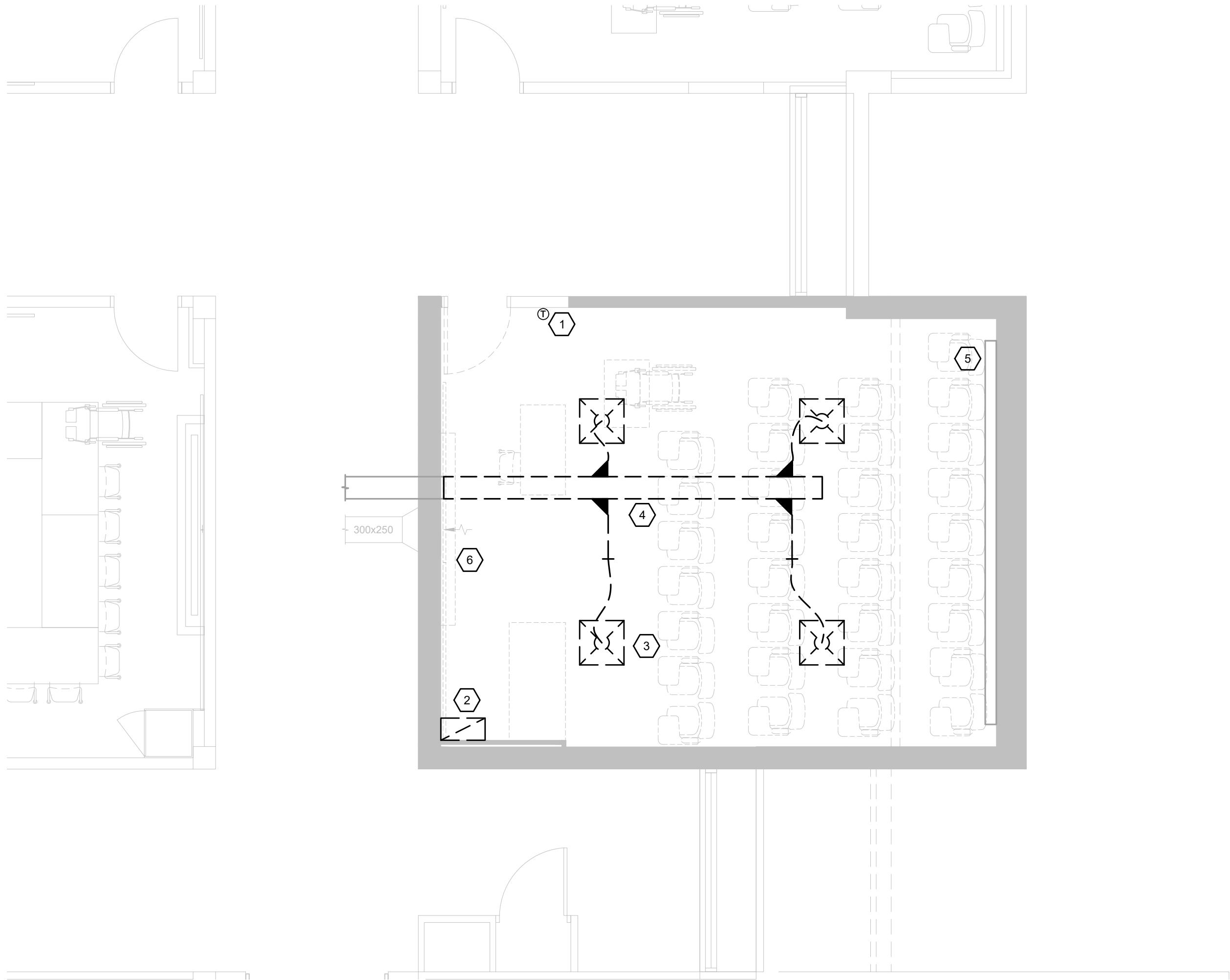
2 MCLAUGHLIN COLLEGE #211 - MECHANICAL NEW WORK PLAN  
SCALE: 1:50

### DEMOLITION NOTES

1. EXISTING THERMOSTAT TO BE REMOVED
2. EXISTING RETURN AIR GRILLE TO BE REMOVED.
3. EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED CW ASSOCIATED FLEX DUCTWORK. CUT BACK AND CAP DUCTWORK AS NEEDED FOR RE-CONNECTION AT NEW WORK PHASE.(TYPICAL)
4. EXISTING SUPPLY AIR DUCTWORK TO BE REMOVED. CONTRACTOR TO VERIFY DUCT ROUTING AND SIZE BEFORE COMMENCEMENT OF WORK.
5. EXISTING UNIT VENTILATOR TO REMAIN AS IS. CONTRACTOR TO REMOVE AND REPLACE DAMAGED EXISTING FLAT TOP REMOVABLE GRILLES WHERE REQUIRED.
6. EXISTING OPEN ENDED RETURN AIR DUCT TO REMAIN AS IS. CONTRACTOR TO PROPERLY PROTECT DUCT OPENING FROM DUST AND DEBRIS. CLEAN DUCTING AT WORK COMPLETION

### DEMOLITION GENERAL NOTES

1. CONTRACTOR TO CONFIRM AVAILABLE CEILING SPACE BEFORE COMMENCING DEMOLITION. REPORT FINDINGS TO OWNER/ENGINEER.
2. ALL EXISTING MECHANICAL SERVICES SHOWN IN THIS DRAWING TO REMAIN UNLESS NOTED OTHERWISE
3. THE LOCATION OF ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, CONTROLS AND ACCESSORIES ARE APPROXIMATE AND SHOULD BE CONFIRMED ON SITE.
4. CONTRACTOR TO REVIEW EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND PROVIDE CONSULTANT ANY DISCREPANCIES BASED ON SITE CONDITIONS AS NEEDED.
5. CONTRACTOR TO ISOLATE RENOVATION AREA TO CONTROL AND CONTAIN ALL DUST AND DEBRIS WITHIN CONSTRUCTION AREA DURING DEMOLITION PHASE
6. CONTRACTOR TO ALLOW FOR THE REMOVAL OF ALL EXISTING CEILING DIFFUSERS AND GRILLES.



1 MCLAUGHLIN COLLEGE #211 - MECHANICAL DEMOLITION PLAN  
SCALE: 1:50

9.	2025.05.02	ISSUED FOR TENDER	I.I.
8.	2025.05.02	ISSUED FOR PERMIT	I.I.
7.	2025.04.22	ISSUED FOR COORDINATION	I.I.
6.	2023.05.01	ISSUED FOR COORDINATION	MH
5.	2023.05.01	ISSUED FOR 80%CD COSTING	MH
4.	2023.03.24	ISSUED FOR 40%CD COSTING	MH
3.	2023.02.10	ISSUED FOR 100%DD	MH
2.	2023.02.03	ISSUED FOR PROGRESS REVIEW	MH
1.	2022.11.30	ISSUED FOR CLIENT REVIEW	RH
#	DATE	REVISION	BY



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## YORK CLASSROOM RENEWAL Y3

York University, Keele Campus

## PHASE 2

BUILDING NAME:  
**MCLAUGHLIN COLLEGE (MC)**

BUILDING NUMBER:  
**378**

CLASSROOM TYPE:  
**TRADITIONAL FLAT (TABLET)**

CLASSROOM NUMBER:  
**211**

Scale: 1 : 50

Drawn by: CW

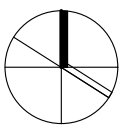
Reviewed by: BD/TWS

Job number: ED-22-764

Plot date: 2022.11.03

Drawing number:

M378-211

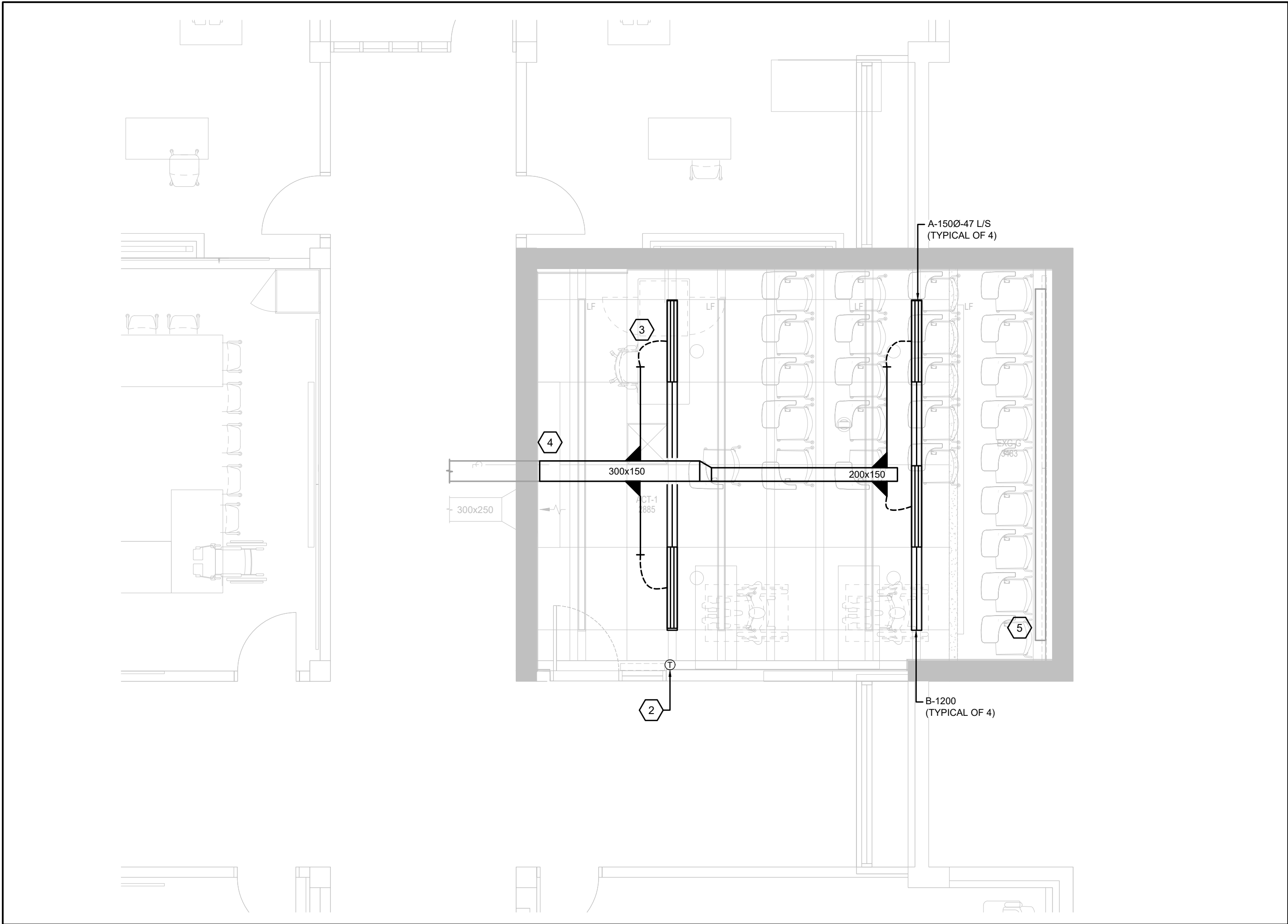


### NEW WORK NOTES

1. ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF SUPPLY AND RETURN AIR LINEAR GRILLES. WHERE THERE ARE NO ACTIVE SUPPLY AIR DIFFUSERS, CONTRACTOR TO INSTALL RETURN AIR LINEAR GRILLES. SEE SCHEDULE FOR SIZE AND TYPE. CONTRACTOR TO UTILIZE LOW PLENUM WHERE CEILING SPACE IS LIMITED. RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID. REFER TO ARCHITECTURAL DWGS FOR DETAILS.
2. PROVIDE NEW TEMPERATURE SENSOR AND CONNECT TO EXISTING BAS. (TYPICAL)
3. PROVIDE NEW FLEX DUCTWORK TO LINEAR SLOT DIFFUSER PLENUM. LENGTH OF FLEX DUCTWORK TO NOT EXCEED 1500 MM (5 FEET). SIZE AS SHOWN. REFER TO DETAILS. (TYPICAL)
4. OFFSET DUCTWORK AS REQUIRED TO SUIT EXISTING CEILING SPACE CONDITIONS.
5. EXISTING UNIT VENTILATOR TO REMAIN AS IS. REPLACE FLAT TOP REMOVABLE GRILLES WITH SAME TYPE AND SIZE AS PREVIOUSLY REMOVED. CONTRACTOR TO CLEAN UNIT AT PROJECT COMPLETION

### NEW WORK GENERAL NOTES

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6. COORDINATE MECHANICAL WORK WITH WORK OF OTHER TRADES PRIOR TO FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS REQUIRED FOR COMPLETE WORKABLE INSTALLATION.
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10. PROVIDE INSULATION AND PVC JACKETING PER SPECIFICATIONS AT EXISTING PIPING WHERE INSULATION IS DAMAGED
11. REFER TO ARCHITECTURAL DRAWINGS FOR FINAL LOCATION OF DIFFUSERS AND GRILLES
12. PROVIDE BALANCING DAMPERS ARE BRANCH TAKE OFFS FOR EACH DIFFUSER
13. PROVIDE ALL DUCT TRANSITIONS, FITTINGS TO SUIT INSTALLATION OF DUCTWORK, TAKE OFFS FOR DIFFUSERS AND GRILLES.
14. PROVIDE ACCESS PANELS WHERE REQUIRED



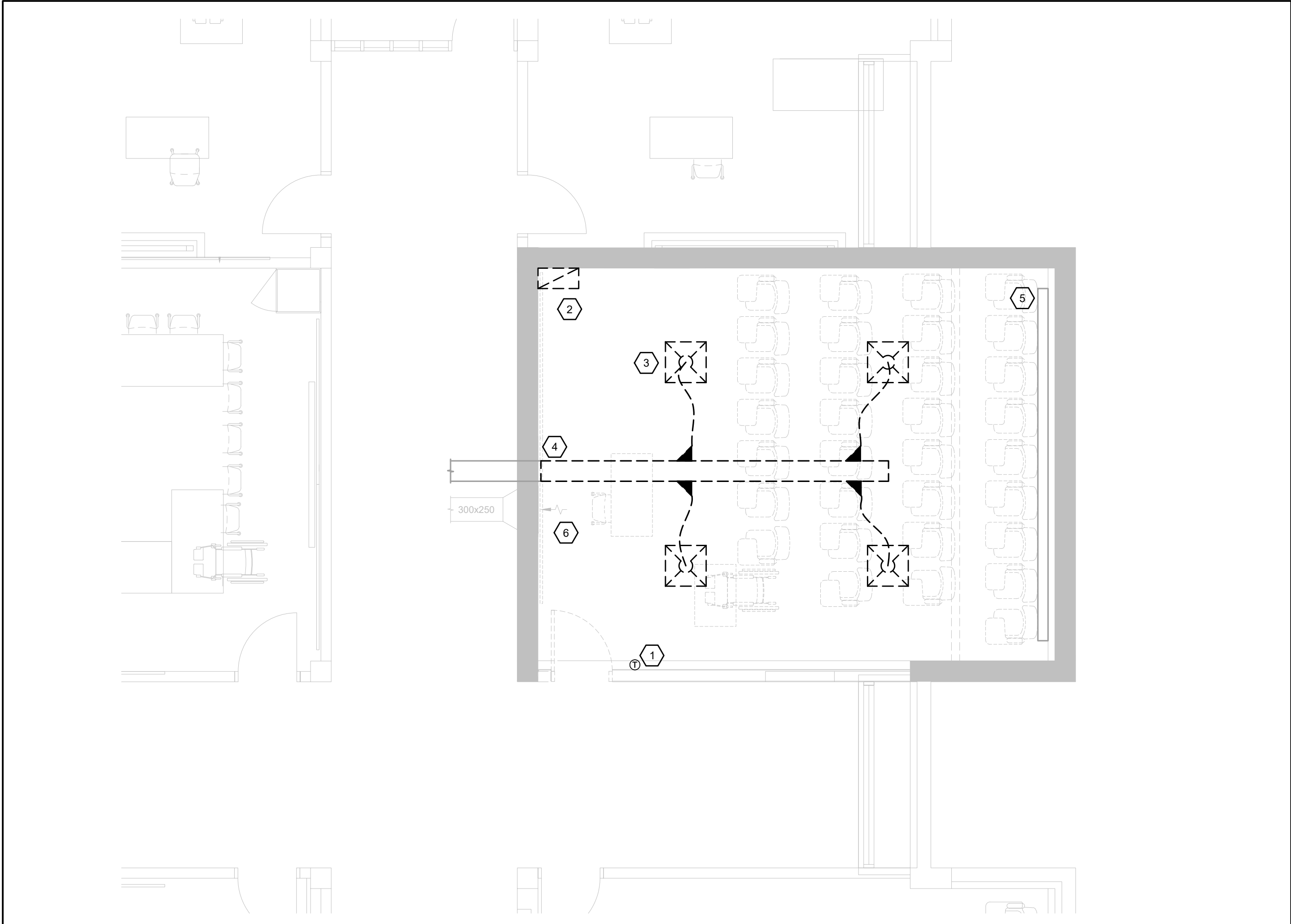
2 MCLAUGHLIN COLLEGE #212 - MECHANICAL NEW WORK PLAN  
SCALE: 1:50

### DEMOLITION NOTES

1. EXISTING THERMOSTAT TO BE REMOVED
2. EXISTING RETURN AIR GRILLE TO BE REMOVED.
3. EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED CW ASSOCIATED FLEX DUCTWORK. CUT BACK AND CAP DUCTWORK AS NEEDED FOR RE-CONNECTION AT NEW WORK PHASE (TYPICAL)
4. EXISTING SUPPLY AIR DUCTWORK TO BE REMOVED. CONTRACTOR TO VERIFY DUCT ROUTING AND SIZE BEFORE COMMENCEMENT OF WORK.
5. EXISTING UNIT VENTILATOR TO REMAIN AS IS. CONTRACTOR TO REMOVE AND REPLACE DAMAGED EXISTING FLAT TOP REMOVABLE GRILLES WHERE REQUIRED.
6. EXISTING OPEN ENDED RETURN AIR DUCT TO REMAIN AS IS. CONTRACTOR TO PROPERLY PROTECT DUCT OPENING FROM DUST AND DEBRIS. CLEAN DUCTING AT WORK COMPLETION

### DEMOLITION GENERAL NOTES

1. CONTRACTOR TO CONFIRM AVAILABLE CEILING SPACE BEFORE COMMENCING DEMOLITION. REPORT FINDINGS TO OWNER/ENGINEER
2. ALL EXISTING MECHANICAL SERVICES SHOWN IN THIS DRAWING TO REMAIN UNLESS NOTED OTHERWISE
3. THE LOCATION OF ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, CONTROLS AND ACCESSORIES ARE APPROXIMATE AND SHOULD BE CONFIRMED ON SITE.
4. CONTRACTOR TO REVIEW EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND PROVIDE CONSULTANT ANY DISCREPANCIES BASED ON SITE CONDITIONS AS NEEDED.
5. CONTRACTOR TO ISOLATE RENOVATION AREA TO CONTROL AND CONTAIN ALL DUST AND DEBRIS WITHIN CONSTRUCTION AREA DURING DEMOLITION PHASE
6. CONTRACTOR TO ALLOW FOR THE REMOVAL OF ALL EXISTING CEILING DIFFUSERS AND GRILLES.



1 MCLAUGHLIN COLLEGE #212 - MECHANICAL DEMOLITION PLAN  
SCALE: 1:50

9.	2025.05.02	ISSUED FOR TENDER	I.I.
8.	2025.05.02	ISSUED FOR PERMIT	I.I.
7.	2025.04.22	ISSUED FOR COORDINATION	I.I.
6.	2023.05.01	ISSUED FOR COORDINATION	MH
5.	2023.05.01	ISSUED FOR 80%CD COSTING	MH
4.	2023.03.24	ISSUED FOR 40%CD	MH
3.	2023.02.10	ISSUED FOR 100%DD	MH
2.	2023.02.03	ISSUED FOR PROGRESS REVIEW	MH
1.	2022.11.30	ISSUED FOR CLIENT REVIEW	RH
#	DATE	REVISION	BY



All drawing and specifications are the property of the architect. The contractor shall verify all dimensions and information on site and report any discrepancy to architect before proceeding.

## YORK CLASSROOM RENEWAL Y3

York University, Keele Campus

## PHASE 2

BUILDING NAME:  
**MCLAUGHLIN COLLEGE (MC)**

BUILDING NUMBER:  
**378**

CLASSROOM TYPE:  
**TRADITIONAL FLAT (TABLET)**

CLASSROOM NUMBER:  
**212**

Scale: 1 : 50

Drawn by: CW

Reviewed by: BD/TWS

Job number: ED-22-764

Plot date: 2022.11.03

Drawing number:

M378-212

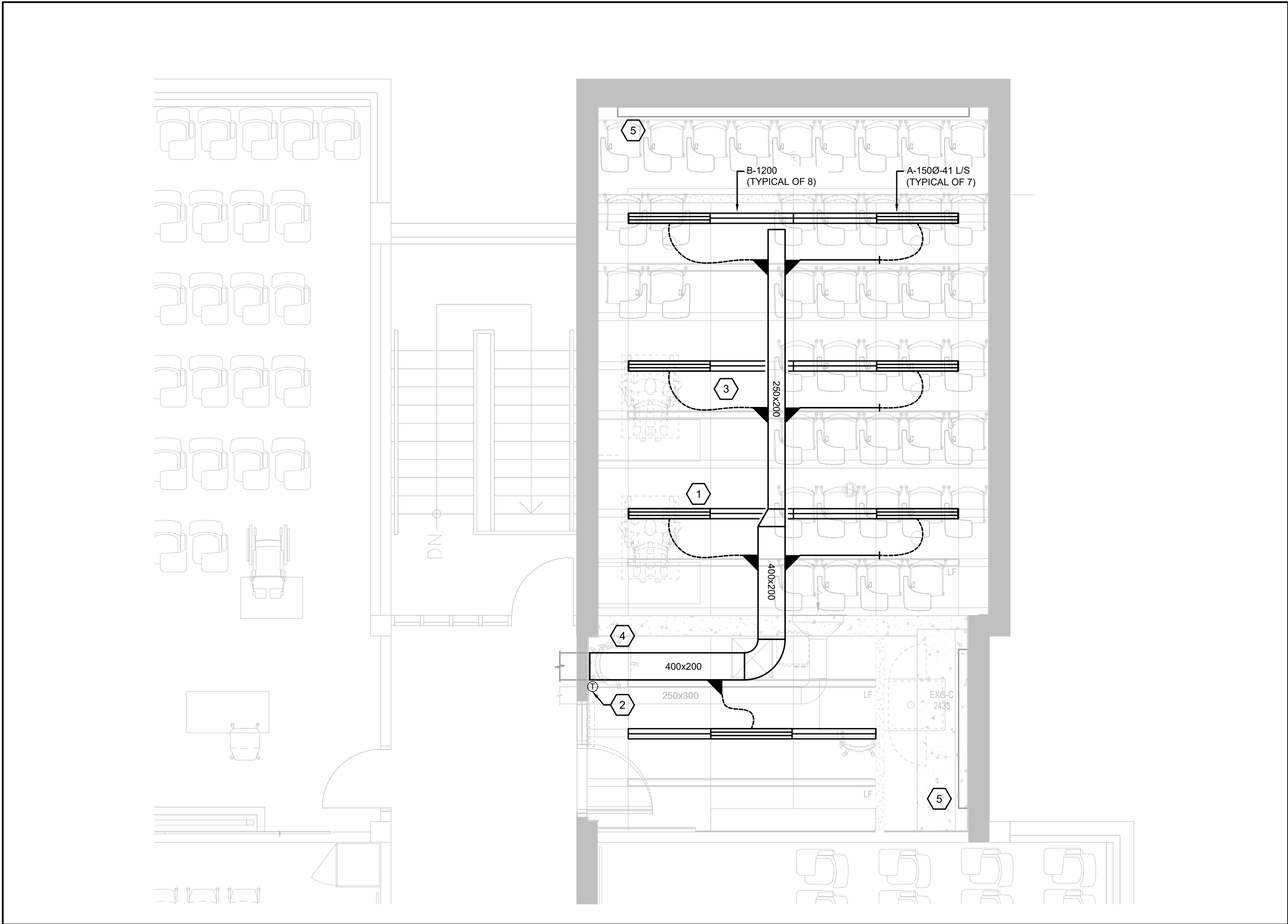


### NEW WORK NOTES

1. ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF SUPPLY AND RETURN AIR LINEAR GRILLES. WHERE THERE ARE NO ACTIVE SUPPLY AIR DIFFUSERS, CONTRACTOR TO INSTALL RETURN AIR LINEAR GRILLES. SEE SCHEDULE FOR SIZE AND TYPE. CONTRACTOR TO UTILIZE LOW PLENUM WHERE CEILING SPACE IS LIMITED. RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID. REFER TO ARCHITECTURAL DWGS FOR DETAILS.
2. PROVIDE NEW TEMPERATURE SENSOR AND CONNECT TO EXISTING BAS. (TYPICAL)
3. PROVIDE NEW FLEX DUCTWORK TO LINEAR SLOT DIFFUSER PLENUM. LENGTH OF FLEX DUCTWORK TO NOT EXCEED 1500 MM (5 FEET). SIZE AS SHOWN. REFER TO DETAILS. (TYPICAL)
4. OFFSET DUCTWORK AS REQUIRED TO SUIT EXISTING CEILING SPACE CONDITIONS.
5. EXISTING UNIT VENTILATOR TO REMAIN AS IS. REPLACE FLAT TOP REMOVABLE GRILLES WITH SAME TYPE AND SIZE AS PREVIOUSLY REMOVED. CONTRACTOR TO CLEAN UNIT AT PROJECT COMPLETION

### NEW WORK GENERAL NOTES

1. MECHANICAL LAYOUTS AS SHOWN ON PLANS IS TO SHOW DESIGN INTENT INDICATE GENERAL LOCATIONS OF EQUIPMENT AND CONNECTING SERVICES. CONTRACTOR SHALL COORDINATE ROUTING AND ALL NECESSARY FITTINGS TO ACCOMMODATE THE SITE CONDITIONS AND TO MEET THE DESIGN INTENT.
2. VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS AND THAT ADDITIONAL COSTS ARE INCLUDED IN BID TO FACILITATE INSTALLATION. NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS, AND INTERFERENCES.
3. PROVIDE FOR ALL REQUIRED CUTTING AND PATCHING OF EXISTING CEILINGS AND WALLS TO FACILITATE THE INSTALLATION OF THE MECHANICAL SERVICES OUTLINED FOR THIS SCOPE OF WORK.
4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE AND ALL OTHER REGULATORY REQUIREMENTS
5. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN GUIDELINES. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS AS REQUIRED FOR COMPLETE INSTALLATION.
6. COORDINATE MECHANICAL WORK WITH WORK OF OTHER TRADES PRIOR TO FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS REQUIRED FOR COMPLETE WORKABLE INSTALLATION.
7. CONTRACTOR TO INCLUDE FOR TEMPORARY REMOVAL AND RE-INSTALLATION OF CEILING TILES AND GRID TO ALLOW FOR INSTALLATION OF NEW SERVICES. PROVIDE TEMPORARY SUPPORT FOR ALL EXISTING LIGHTING, DEVICES, AND CABLING WITHIN CORRIDOR CEILING SPACES.
8. CONTRACTOR TO CLEAN DUCTWORK AND DIFFUSERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
9. CONTRACTOR TO CLEAN EXISTING PERIMETER UNIT HEATERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
10. PROVIDE INSULATION AND PVC JACKETING PER SPECIFICATIONS AT EXISTING PIPING WHERE INSULATION IS DAMAGED
11. REFER TO ARCHITECTURAL DRAWINGS FOR FINAL LOCATION OF DIFFUSERS AND GRILLES
12. PROVIDE BALANCING DAMPERS ARE BRANCH TAKE OFFS FOR EACH DIFFUSER
13. PROVIDE ALL DUCT TRANSITIONS, FITTINGS TO SUIT INSTALLATION OF DUCTWORK, TAKE OFFS FOR DIFFUSERS AND GRILLES.
14. PROVIDE ACCESS PANELS WHERE REQUIRED



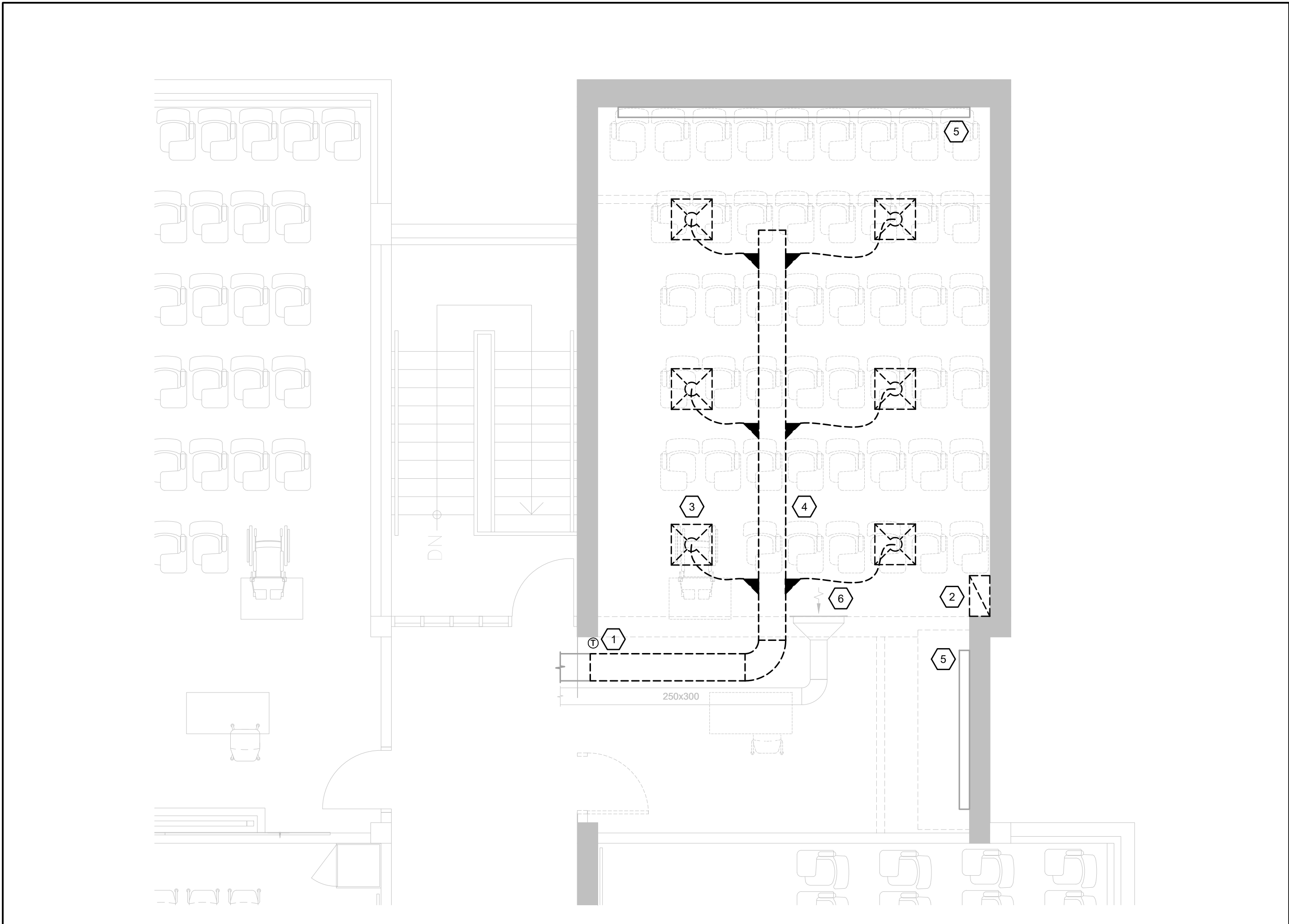
2 MCLAUGHLIN COLLEGE #213 - MECHANICAL NEW WORK PLAN  
SCALE: 1:50

### DEMOLITION NOTES

1. EXISTING THERMOSTAT TO BE REMOVED
2. EXISTING RETURN AIR GRILLE TO BE REMOVED.
3. EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED C/W ASSOCIATED FLEX DUCTWORK. CUT BACK AND CAP DUCTWORK AS NEEDED FOR RE-CONNECTION AT NEW WORK PHASE. (TYPICAL)
4. EXISTING SUPPLY AIR DUCTWORK TO BE REMOVED. CONTRACTOR TO VERIFY DUCT ROUTING AND SIZE BEFORE COMMENCEMENT OF WORK.
5. EXISTING UNIT VENTILATOR TO REMAIN AS IS. CONTRACTOR TO REMOVE AND REPLACE DAMAGED EXISTING FLAT TOP REMOVABLE GRILLES WHERE REQUIRED.
6. EXISTING OPEN ENDED RETURN AIR DUCT TO REMAIN AS IS. CONTRACTOR TO PROPERLY PROTECT DUCT OPENING FROM DUST AND DEBRIS. CLEAN DUCTING AT WORK COMPLETION

### DEMOLITION GENERAL NOTES

1. CONTRACTOR TO CONFIRM AVAILABLE CEILING SPACE BEFORE COMMENCING DEMOLITION. REPORT FINDINGS TO OWNER/ENGINEER
2. ALL EXISTING MECHANICAL SERVICES SHOWN IN THIS DRAWING TO REMAIN UNLESS NOTED OTHERWISE
3. THE LOCATION OF ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, CONTROLS AND ACCESSORIES ARE APPROXIMATE AND SHOULD BE CONFIRMED ON SITE.
4. CONTRACTOR TO REVIEW EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND PROVIDE CONSULTANT ANY DISCREPANCIES BASED ON SITE CONDITIONS AS NEEDED.
5. CONTRACTOR TO ISOLATE RENOVATION AREA TO CONTROL AND CONTAIN ALL DUST AND DEBRIS WITHIN CONSTRUCTION AREA DURING DEMOLITION PHASE
6. CONTRACTOR TO ALLOW FOR THE REMOVAL OF ALL EXISTING CEILING DIFFUSERS AND GRILLES



1 MCLAUGHLIN COLLEGE #213 - MECHANICAL DEMOLITION PLAN  
SCALE: 1:50

9.	2025.05.02	ISSUED FOR TENDER	I.I.
8.	2025.05.02	ISSUED FOR PERMIT	I.I.
7.	2025.04.22	ISSUED FOR COORDINATION	I.I.
6.	2023.05.01	ISSUED FOR COORDINATION	MH
5.	2023.05.01	ISSUED FOR 80%CD COSTING	MH
4.	2023.03.24	ISSUED FOR 40%CD	MH
3.	2023.02.10	ISSUED FOR 100%DD	MH
2.	2023.02.03	ISSUED FOR PROGRESS REVIEW	MH
1.	2022.11.30	ISSUED FOR CLIENT REVIEW	RH
#	DATE	REVISION	BY



All drawing and specifications are the property of the architect. The contractor shall verify all dimensions and information on site and report any discrepancy to architect before proceeding.

**YORK CLASSROOM  
RENEWAL Y3**  
York University, Keele Campus

### PHASE 2

BUILDING NAME:  
**MCLAUGHLIN COLLEGE (MC)**  
BUILDING NUMBER:  
**378**  
CLASSROOM TYPE:  
**TRADITIONAL FLAT (TABLET)**  
CLASSROOM NUMBER:  
**213**

Scale: 1 : 50  
Drawn by: CW  
Reviewed by: BD/TWS  
Job number: ED-22-764  
Plot date: 2022.11.03

Drawing number:

**M378-213**



NEW WORK NOTES

- ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF SUPPLY AND RETURN AIR LINEAR GRILLES. WHERE THERE ARE NO ACTIVE SUPPLY AIR DIFFUSERS, CONTRACTOR TO INSTALL RETURN AIR LINEAR GRILLES. SEE SCHEDULE FOR SIZE AND TYPE. CONTRACTOR TO UTILIZE LOW PLENUM WHERE CEILING SPACE IS LIMITED. RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID. REFER TO ARCHITECTURAL DWGS FOR DETAILS. PROVIDE NEW TEMPERATURE SENSOR AND CONNECT TO EXISTING BAS. (TYPICAL)
- PROVIDE NEW FLEX DUCTWORK TO LINEAR SLOT DIFFUSER PLENUM. LENGTH OF FLEX DUCTWORK TO NOT EXCEED 1500 MM (5 FEET). SIZE AS SHOWN. REFER TO DETAILS. (TYPICAL)
- OFFSET DUCTWORK AS REQUIRED TO SUIT EXISTING CEILING SPACE CONDITIONS.
- EXISTING UNIT VENTILATOR TO REMAIN AS IS. REPLACE FLAT TOP REMOVABLE GRILLES WITH SAME TYPE AND SIZE AS PREVIOUSLY REMOVED. CONTRACTOR TO CLEAN UNIT AT PROJECT COMPLETION
- EXISTING PERIMETER UNIT HEATER TO REMAIN AS IS. CONTRACTOR TO REPLACE DAMAGED GRILLE ENCLOSURE WITH SAME TYPE AND SIZE AS EXISTING PREVIOUSLY REMOVED. CLEAN UNIT AT PROJECT COMPLETION

NEW WORK GENERAL NOTES

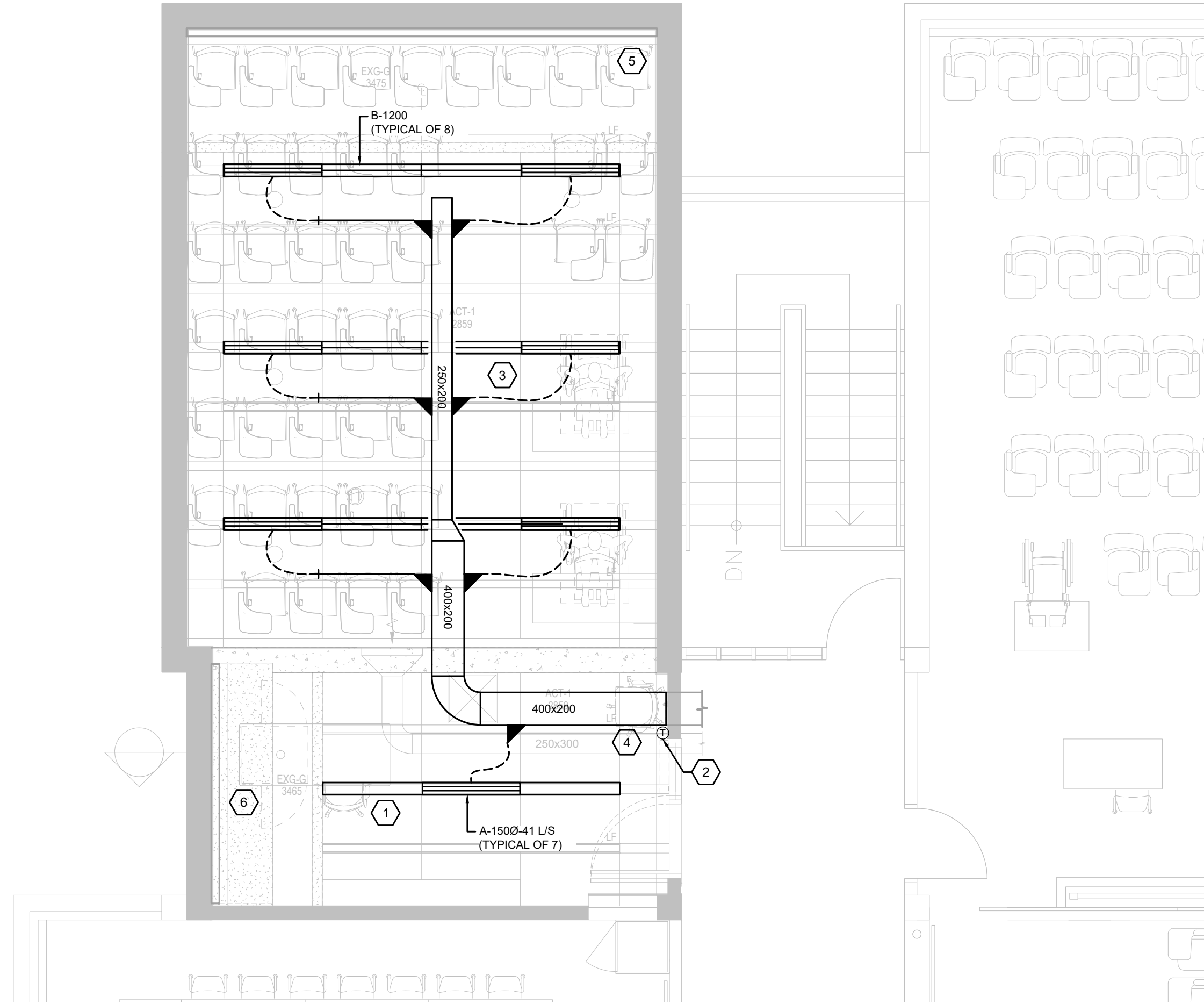
- MECHANICAL LAYOUTS AS SHOWN ON PLANS IS TO SHOW DESIGN INTENT INDICATE GENERAL LOCATIONS OF EQUIPMENT AND CONNECTING SERVICES. CONTRACTOR SHALL COORDINATE ROUTING AND ALL NECESSARY FITTINGS TO ACCOMMODATE THE SITE CONDITIONS AND TO MEET THE DESIGN INTENT.
- VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS AND THAT ADDITIONAL COSTS ARE INCLUDED IN BID TO FACILITATE INSTALLATION. NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS, AND INTERFERENCES.
- PROVIDE FOR ALL REQUIRED CUTTING AND PATCHING OF EXISTING CEILINGS AND WALLS TO FACILITATE THE INSTALLATION OF THE MECHANICAL SERVICES OUTLINED FOR THIS SCOPE OF WORK.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE AND ALL OTHER REGULATORY REQUIREMENTS
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN GUIDELINES. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS AS REQUIRED FOR COMPLETE INSTALLATION.
- COORDINATE MECHANICAL WORK WITH WORK OF OTHER TRADES PRIOR TO FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS REQUIRED FOR COMPLETE WORKABLE INSTALLATION.
- CONTRACTOR TO INCLUDE FOR TEMPORARY REMOVAL AND RE-INSTALLATION OF CEILING TILES AND GRID TO ALLOW FOR INSTALLATION OF NEW SERVICES. PROVIDE TEMPORARY SUPPORT FOR ALL EXISTING LIGHTING, DEVICES, AND CABLING WITHIN CORRIDOR CEILING SPACES.
- CONTRACTOR TO CLEAN DUCTWORK AND DIFFUSERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
- CONTRACTOR TO CLEAN EXISTING PERIMETER UNIT HEATERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
- PROVIDE INSULATION AND PVC JACKETING PER SPECIFICATIONS AT EXISTING PIPING WHERE INSULATION IS DAMAGED
- REFER TO ARCHITECTURAL DRAWINGS FOR FINAL LOCATION OF DIFFUSERS AND GRILLES
- PROVIDE BALANCING DAMPERS ARE BRANCH TAKE OFFS FOR EACH DIFFUSER
- PROVIDE ALL DUCT TRANSITIONS, FITTINGS TO SUIT INSTALLATION OF DUCTWORK, TAKE OFFS FOR DIFFUSERS AND GRILLES.
- PROVIDE ACCESS PANELS WHERE REQUIRED

DEMOLITION NOTES

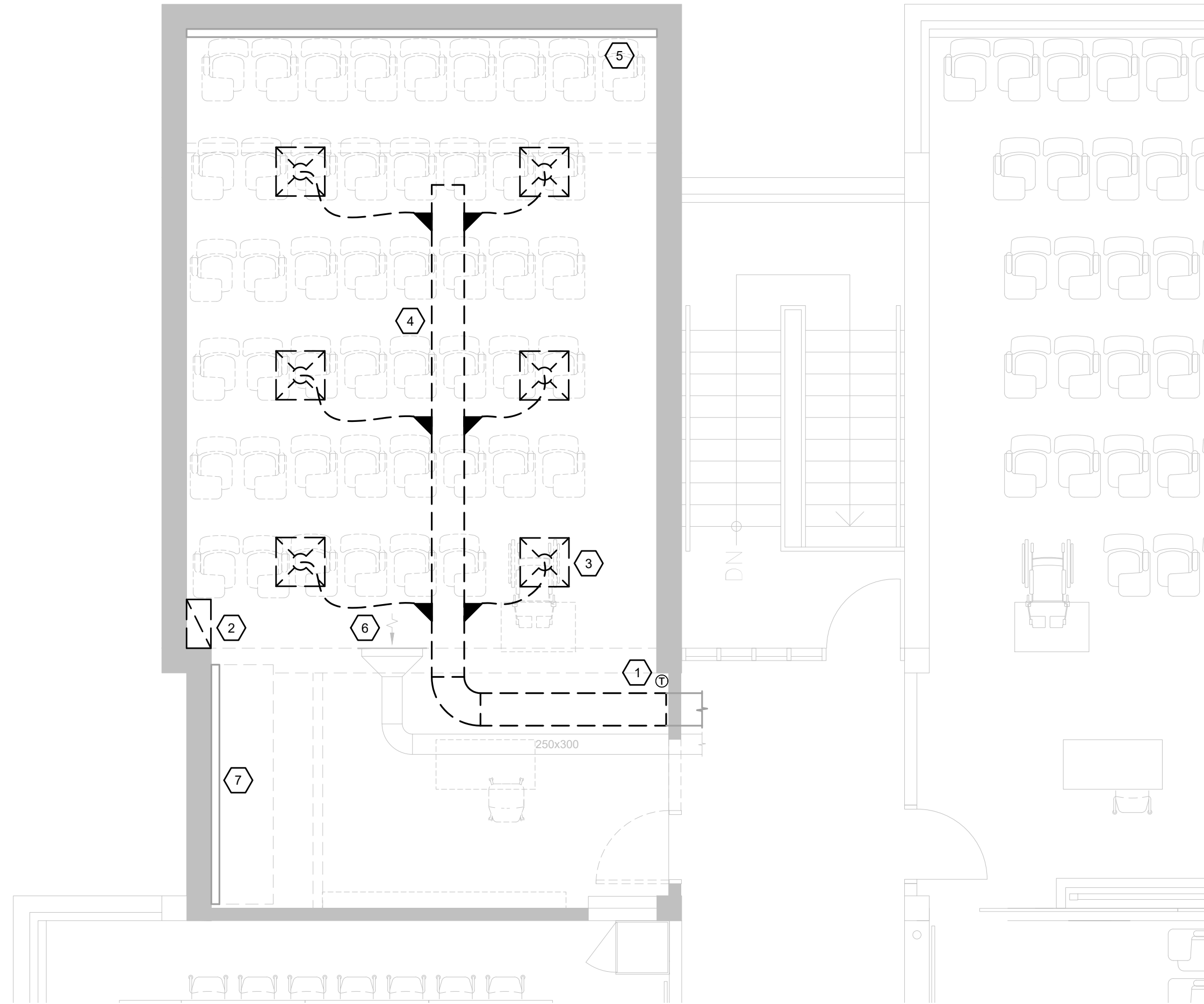
- EXISTING THERMOSTAT TO BE REMOVED
- EXISTING RETURN AIR GRILLE TO BE REMOVED.
- EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED C/W ASSOCIATED FLEX DUCTWORK. CUT BACK AND CAP DUCTWORK AS NEEDED FOR RE-CONNECTION AT NEW WORK PHASE. (TYPICAL)
- EXISTING SUPPLY AIR DUCTWORK TO BE REMOVED. CONTRACTOR TO VERIFY DUCT ROUTING AND SIZE BEFORE COMMENCEMENT OF WORK
- EXISTING UNIT VENTILATOR TO REMAIN AS IS. CONTRACTOR TO REMOVE AND REPLACE DAMAGED EXISTING FLAT TOP REMOVABLE GRILLES WHERE REQUIRED.
- EXISTING OPEN ENDED RETURN AIR DUCT TO REMAIN AS IS. CONTRACTOR TO PROPERLY PROTECT DUCT OPENING FROM DUST AND DEBRIS. CLEAN DUCTING AT WORK COMPLETION
- EXISTING PERIMETER UNIT HEATER TO REMAIN AS IS. CONTRACTOR TO REMOVE AND REPLACE DAMAGED GRILLE ENCLOSURE WHERE REQUIRED.

DEMOLITION GENERAL NOTES

- CONTRACTOR TO CONFIRM AVAILABLE CEILING SPACE BEFORE COMMENCING DEMOLITION. REPORT FINDINGS TO OWNER/ENGINEER
- ALL EXISTING MECHANICAL SERVICES SHOWN IN THIS DRAWING TO REMAIN UNLESS NOTED OTHERWISE
- THE LOCATION OF ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, CONTROLS AND ACCESSORIES ARE APPROXIMATE AND SHOULD BE CONFIRMED ON SITE.
- CONTRACTOR TO REVIEW EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND PROVIDE CONSULTANT ANY DISCREPANCIES BASED ON SITE CONDITIONS AS NEEDED.
- CONTRACTOR TO ISOLATE RENOVATION AREA TO CONTROL AND CONTAIN ALL DUST AND DEBRIS WITHIN CONSTRUCTION AREA DURING DEMOLITION PHASE
- CONTRACTOR TO ALLOW FOR THE REMOVAL OF ALL EXISTING CEILING DIFFUSERS AND GRILLES.



2 MCLAUGHLIN COLLEGE #214- MECHANICAL NEW WORK PLAN  
SCALE: 1:50



1 MCLAUGHLIN COLLEGE #214 - MECHANICAL DEMOLITION PLAN  
SCALE: 1:50

9.	2025.05.02	ISSUED FOR TENDER	I.I.
8.	2025.05.02	ISSUED FOR PERMIT	I.I.
7.	2025.04.22	ISSUED FOR COORDINATION	I.I.
6.	2023.05.01	ISSUED FOR COORDINATION	MH
5.	2023.05.01	ISSUED FOR 80%CD COSTING	MH
4.	2023.03.24	ISSUED FOR 40%CD	MH
3.	2023.02.10	ISSUED FOR 100%DD	MH
2.	2023.02.03	ISSUED FOR PROGRESS REVIEW	MH
1.	2022.11.30	ISSUED FOR CLIENT REVIEW	RH
#	DATE	REVISION	BY



All drawing and specifications are the property of the architect.  
The contractor shall verify all dimensions and information on site  
and report any discrepancy to architect before proceeding.

**YORK CLASSROOM  
RENEWAL Y3**  
York University, Keele Campus

**PHASE 2**

BUILDING NAME:  
**MCLAUGHLIN COLLEGE (MC)**  
BUILDING NUMBER:  
**378**  
CLASSROOM TYPE:  
**TRADITIONAL FLAT (TABLET)**  
CLASSROOM NUMBER:  
**214**

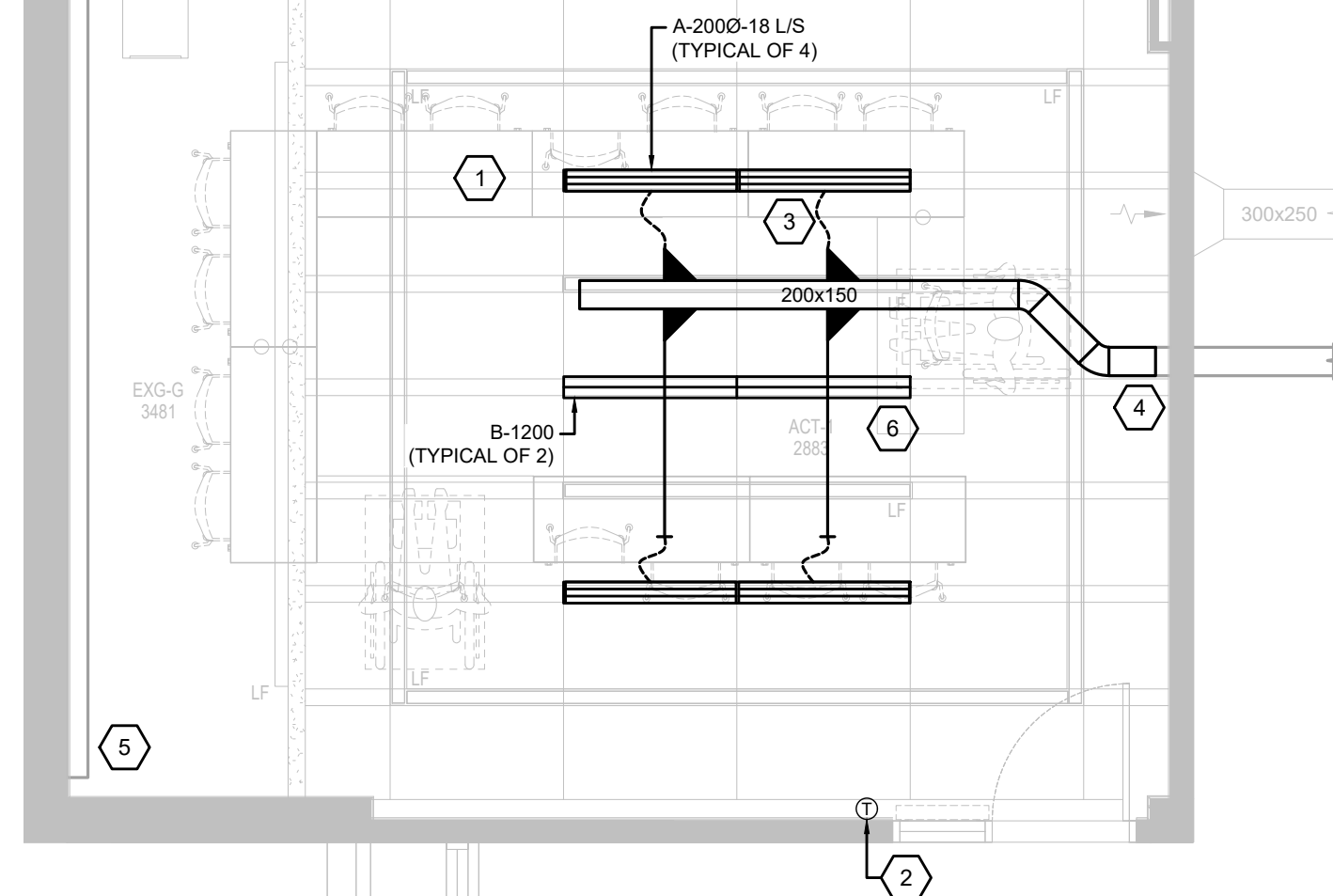
Scale: 1 : 50  
Drawn by: CW  
Reviewed by: BD/TWS  
Job number: ED-22-764  
Plot date: 2022.11.03

Drawing number:  
**M378-214**



1. ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF SUPPLY AND RETURN AIR LINEAR GRILLES. WHERE THERE ARE NO ACTIVE SUPPLY AIR DIFFUSERS, CONTRACTOR TO INSTALL RETURN AIR LINEAR GRILLES. SCHEDULE FOR SIZE AND TYPE. CONTRACTOR TO UTILIZE LOW PLENUM WHERE CEILING SPACE IS LIMITED. RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID. REFER TO ARCHITECTURAL DWGS FOR DETAILS.
2. PROVIDE NEW TEMPERATURE SENSOR AND CONNECT TO EXISTING BAS. (TYPICAL)
3. PROVIDE NEW FLEX DUCTWORK TO LINEAR SLOT DIFFUSER. PLENUM LENGTH OF FLEX DUCTWORK TO NOT EXCEED 1500 MM (5 FEET). SEE AS SHOWN. REFER TO DETAILS. (TYPICAL)
4. OFFSET DUCTWORK AS REQUIRED TO SUIT EXISTING CEILING SPACE CONDITIONS.
5. EXISTING LINEAL VENTILATOR TO REMAIN AS IS. REPLACE FLAT TOP REMOVABLE GRILLES WITH SAME TYPE AND SIZE AS PREVIOUSLY REMOVED. CONTRACTOR TO CLEAN UNIT AT PROJECT COMPLETION
6. ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF RETURN AIR LINEAR GRILLES. SEE SCHEDULE FOR SIZE AND TYPE. RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID. REFER TO ARCHITECTURAL DWGS FOR DETAILS.

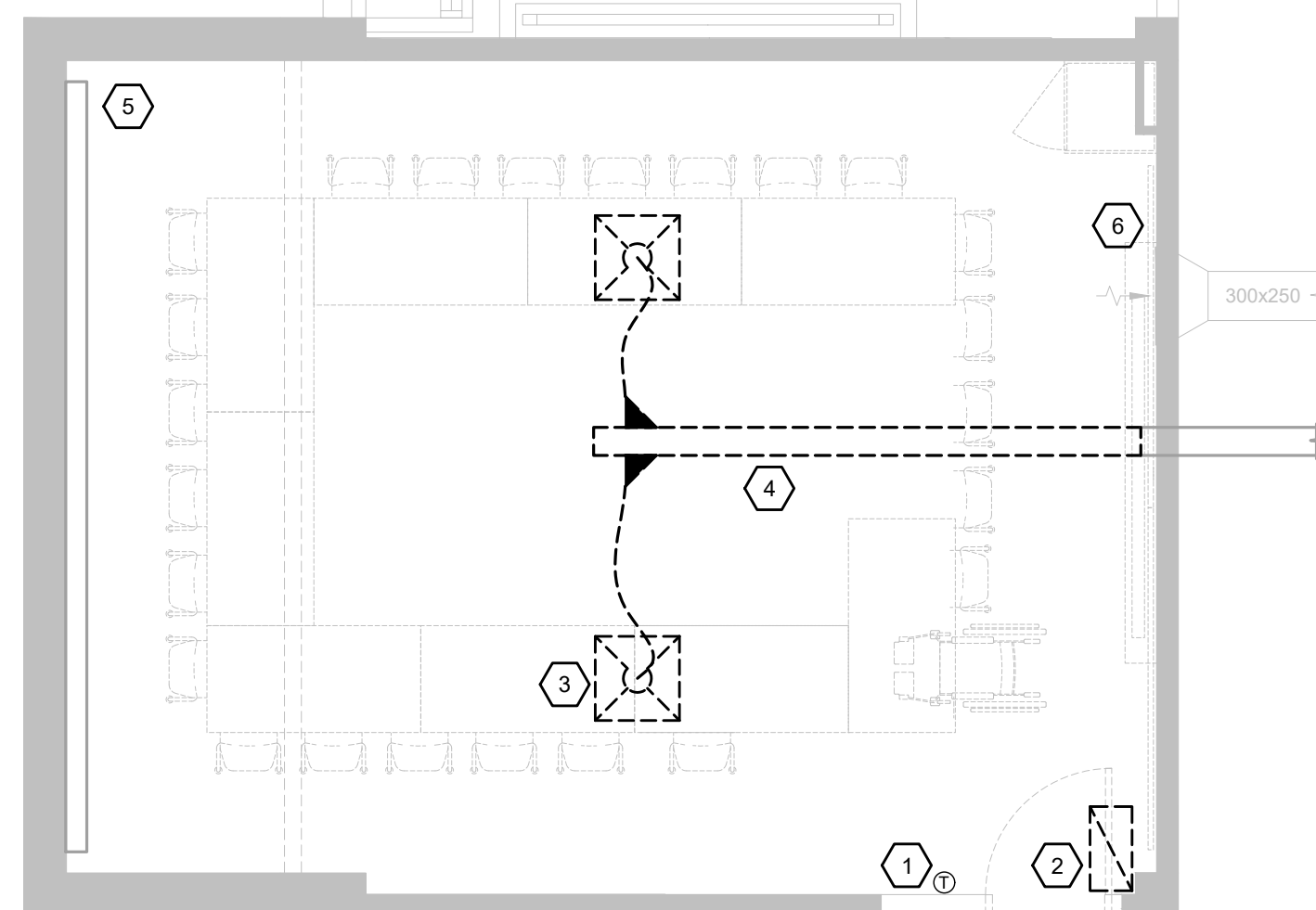
1. MECHANICAL LAYOUTS AS SHOWN ON PLANS IS TO SHOW DESIGN INTENT  
INDICATE GENERAL LOCATIONS OF EQUIPMENT AND CONNECTING SERVICES.  
2. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND ALL NECESSARY FITTINGS TO  
ACCOMMODATE THE SITE CONDITIONS AND TO MEET THE DESIGN INTENT.
3. VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID.  
THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE  
INSTALLED AS SHOWN AND AS NOTED THAT ADDITIONAL COSTS ARE  
INCLUDED IN BID TO FACILITATE INSTALLATION. NOTIFY THE ENGINEERS OF ANY  
DISCREPANCIES, OMISSIONS, AND INTERFERENCES.
4. PROVIDE FOR ALL REQUIRED CUTTING AND PATCHING OF EXISTING CEILINGS  
AND WALLS TO FACILITATE THE INSTALLATION OF THE MECHANICAL SERVICES  
OUTLINED FOR THIS SCOPE OF WORK.
5. ALL WORK TO BE DONE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE  
AND ALL OTHER REGULATORY REQUIREMENTS
6. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS  
WRITTEN GUIDELINES, PRIOR TO FITTINGS, OFFSETS AND TRANSITIONS AS  
REQUIRED FOR COMPLETE INSTALLATION.
7. COORDINATE MECHANICAL WORK WITH WORK OF OTHER TRADES PRIOR TO  
FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS AND  
TRANSITIONS REQUIRED FOR COMPLETELY WORKABLE INSTALLATION.
8. CONTRACTOR TO INCLUDE FOR TEMPORARY REMOVAL AND RE-INSTALLATION OF  
CEILING TILES AND GRID TO ALLOW FOR  
INSTALLATION OF NEW SERVICES. PROVIDE TEMPORARY SUPPORT FOR ALL  
EXISTING LIGHTING, FAN COILS, AND CABLE TRAY WITH CORRIDOR CEILING SPACES.
9. CONTRACTOR TO CLEAN DUCTWORK AND DIFFUSERS WITHIN SCOPE OF WORK  
AT PROJECT COMPLETION.
10. CONTRACTOR TO CLEAN EXISTING PERIMETER UNIT HEATERS WITHIN SCOPE OF  
WORK AT PROJECT COMPLETION.
11. PROVIDE INSULATION AND PVC JACKETING PER SPECIFICATIONS AT EXISTING  
PIPING WHERE INSULATION IS DRAWING
12. REFER TO ARCHITECTURAL DRAWINGS FOR FINAL LOCATION OF DIFFUSERS AND  
GRILLES
13. PROVIDE BALANCING DAMPERS ARE BRANCH TAKE OFFS FOR EACH DIFFUSER  
PROVIDE ALL DUCT TRANSITIONS, FITTINGS TO SUIT INSTALLATION OF  
DUCTWORK, TAKE OFFS FOR DIFFUSERS AND GRILLES.
14. PROVIDE ACCESS PANELS WHERE REQUIRED



MCLAUGHLIN COLLEGE #215 - MECHANICAL NEW WORK PLAN  
SCALE: 1:50

1. EXISTING THERMOSTAT TO BE REMOVED.
2. EXISTING RETURN AIR GRILLE TO BE REMOVED.
3. EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED AND ASSOCIATED FLEX DUCTWORK, OUT BACK AND CAP DUCTWORK AS NEEDED FOR RE-CONNECTION AT NEW WORK PHASE.
4. EXISTING SUPPLY AIR DUCTWORK TO BE REMOVED. CONTRACTOR TO VERIFY DUCT ROUTING AND SIZE BEFORE COMMENCEMENT OF WORK.
5. EXISTING UNIT VENTILATOR TO REMAIN AS IS. CONTRACTOR TO REMOVE AND REPLACE DAMAGED EXISTING FLAT TOP REMOVABLE GRILLES WHERE REQUIRED.
6. EXISTING OPEN ENDED RETURN DUCT TO REMAIN AS IS. CONTRACTOR TO ADD AND PROTECT NEW DUCT OPENING FROM DUST AND DEBRIS. CLEAN DUCTING AT WORK COMPLETION.

1 CONTRACTOR TO CONFIRM AVAILABLE CEILING SPACE BEFORE COMMENCING  
2 DEMOLITION; REPORT FINDINGS TO OWNER/ENGINEER  
3  
4 ALL EXISTING MECHANICAL SERVICES SHOWN IN THIS DRAWING TO REMAIN  
5 UNLESS NOTED OTHERWISE  
6  
7 THE LOCATION OF ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK,  
8 CONTROLS AND ACCESSORIES ARE APPROXIMATE AND SHOULD BE CONFIRMED  
9 ON SITE  
10  
11 CONTRACTOR TO REVIEW EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF  
12 WORK AND PROVIDE CONSULTANT ANY DISCREPANCIES BASED ON SITE  
13 CONDITIONS AS NECESSARY  
14  
15 CONTRACTOR TO ISOLATE RENOVATION AREA TO CONTROL AND CONTAIN ALL  
16 DUST AND DEBRIS WITHIN CONSTRUCTION AREA DURING DEMOLITION PHASE  
17  
18 CONTRACTOR TO ALLOW FOR THE REMOVAL OF ALL EXISTING CEILING  
19 DEFUSERS AND GRILL



----- MCLAUGHLIN COLLEGE #215 - MECHANICAL DEMOLITION PLAN  
SCALE: 1:50

9.	2025.05.02	ISSUED FOR TENDER	I.I.
8.	2025.05.02	ISSUED FOR PERMIT	I.I.
7.	2025.04.22	ISSUED FOR COORDINATION	I.I.
6.	2023.05.01	ISSUED FOR COORDINATION	MH
5.	2023.05.01	ISSUED FOR 80%CD COSTING	MH
4.	2023.03.24	ISSUED FOR 40%CD	MH
3.	2023.02.10	ISSUED FOR 100%DD	MH
2.	2023.02.03	ISSUED FOR PROGRESS REVIEW	MH
1.	2022.11.30	ISSUED FOR CLIENT REVIEW	RH
#	DATE	REVISION	BY



All drawing and specifications are the property of the architect.  
The contractor shall verify all dimensions and information on site  
and report any discrepancy to architect before proceeding.

York University, Keele Campus

BUILDING NAME:  
**MCLAUGHLIN COLLEGE (MC)**

BUILDING NUMBER:  
**378**

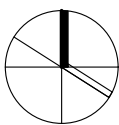
CLASSROOM TYPE:  
**SEMINAR FLAT**

CLASSROOM NUMBER:  
**215**

Scale:	1 : 50
Drawn by:	CW
Reviewed by:	BD/TWS
Job number:	ED-22-764
Plot date:	2022.11.03

Drawing number:

# M378-215



### NEW WORK NUMBERED NOTES

1. ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF SUPPLY AND RETURN AIR LINEAR GRILLES. WHERE THERE ARE NO ACTIVE SUPPLY AIR DIFFUSERS, CONTRACTOR TO INSTALL RETURN AIR LINEAR GRILLES. SEE SCHEDULE FOR SIZE AND TYPE. CONTRACTOR TO UTILIZE LOW PLENUM WHERE CEILING SPACE IS LIMITED. RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID. REFER TO ARCHITECTURAL DWGS FOR DETAILS.
2. PROVIDE NEW TEMPERATURE SENSOR AND CONNECT TO EXISTING BAS. (TYPICAL)
3. PROVIDE NEW FLEX DUCTWORK TO LINEAR SLOT DIFFUSER PLENUM. LENGTH OF FLEX DUCTWORK TO NOT EXCEED 1500 MM (5 FEET). SIZE AS SHOWN. REFER TO DETAILS. (TYPICAL)
4. OFFSET DUCTWORK AS REQUIRED TO SUIT EXISTING CEILING SPACE CONDITIONS.
5. EXISTING UNIT VENTILATOR TO REMAIN AS IS. REPLACE FLAT TOP REMOVABLE GRILLES WITH SAME TYPE AND SIZE AS PREVIOUSLY REMOVED. CONTRACTOR TO CLEAN UNIT AT PROJECT COMPLETION
6. ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF RETURN AIR LINEAR GRILLES. SEE SCHEDULE FOR SIZE AND TYPE. RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID. REFER TO ARCHITECTURAL DWGS FOR DETAILS.

### NEW WORK GENERAL NOTES

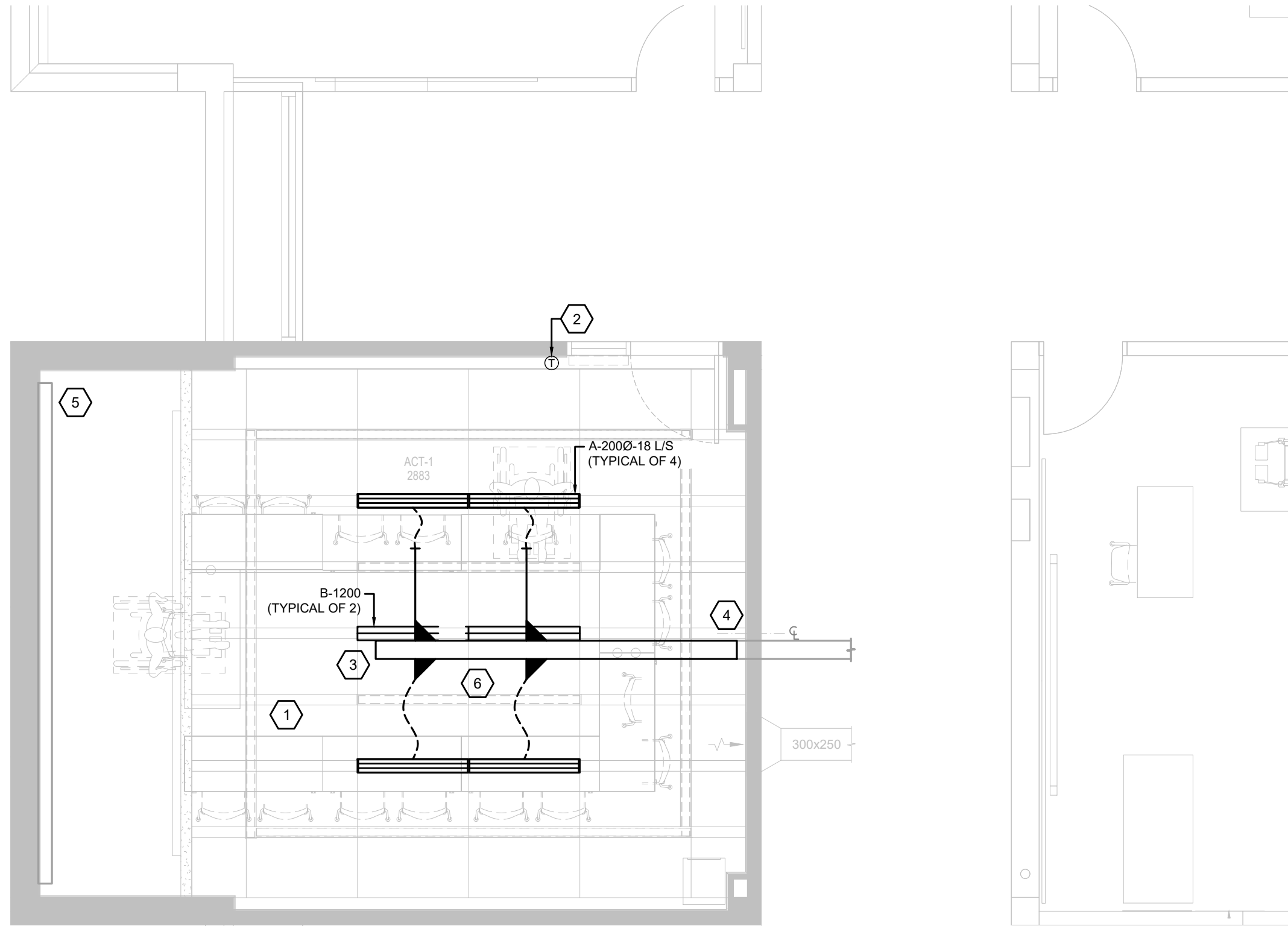
1. MECHANICAL LAYOUTS AS SHOWN ON PLANS IS TO SHOW DESIGN INTENT. INDICATE GENERAL LOCATIONS OF EQUIPMENT AND CONNECTING SERVICES. CONTRACTOR SHALL COORDINATE ROUTING AND ALL NECESSARY FITTINGS TO ACCOMMODATE THE SITE CONDITIONS AND TO MEET THE DESIGN INTENT.
2. VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS AND THAT ADDITIONAL COSTS ARE INCLUDED IN BID TO FACILITATE INSTALLATION. NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS, AND INTERFERENCES.
3. PROVIDE FOR ALL REQUIRED CUTTING AND PATCHING OF EXISTING CEILINGS AND WALLS TO FACILITATE THE INSTALLATION OF THE MECHANICAL SERVICES OUTLINED FOR THIS SCOPE OF WORK.
4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE AND ALL OTHER REGULATORY REQUIREMENTS
5. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN GUIDELINES. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS AS REQUIRED FOR COMPLETE INSTALLATION.
6. COORDINATE MECHANICAL WORK WITH WORK OF OTHER TRADES PRIOR TO FABRICATE OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS REQUIRED FOR COMPLETE WORKABLE INSTALLATION.
7. CONTRACTOR TO INCLUDE FOR TEMPORARY REMOVAL AND RE-INSTALLATION OF CEILING TILES AND GRID TO ALLOW FOR INSTALLATION OF NEW SERVICES. PROVIDE TEMPORARY SUPPORT FOR ALL EXISTING LIGHTING, DEVICES, AND CABLING WITHIN CORRIDOR CEILING SPACES.
8. CONTRACTOR TO CLEAN DUCTWORK AND DIFFUSERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
9. CONTRACTOR TO CLEAN EXISTING PERIMETER UNIT HEATERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
10. PROVIDE INSULATION AND PVC JACKETING PER SPECIFICATIONS AT EXISTING PIPING WHERE INSULATION IS DAMAGED
11. REFER TO ARCHITECTURAL DRAWINGS FOR FINAL LOCATION OF DIFFUSERS AND GRILLES
12. PROVIDE BALANCING DAMPERS ARE BRANCH TAKE OFFS FOR EACH DIFFUSER
13. PROVIDE ALL DUCT TRANSITIONS, FITTINGS TO SUIT INSTALLATION OF DUCTWORK, TAKE OFFS FOR DIFFUSERS AND GRILLES.
14. PROVIDE ACCESS PANELS WHERE REQUIRED

### DEMOLITION NOTES

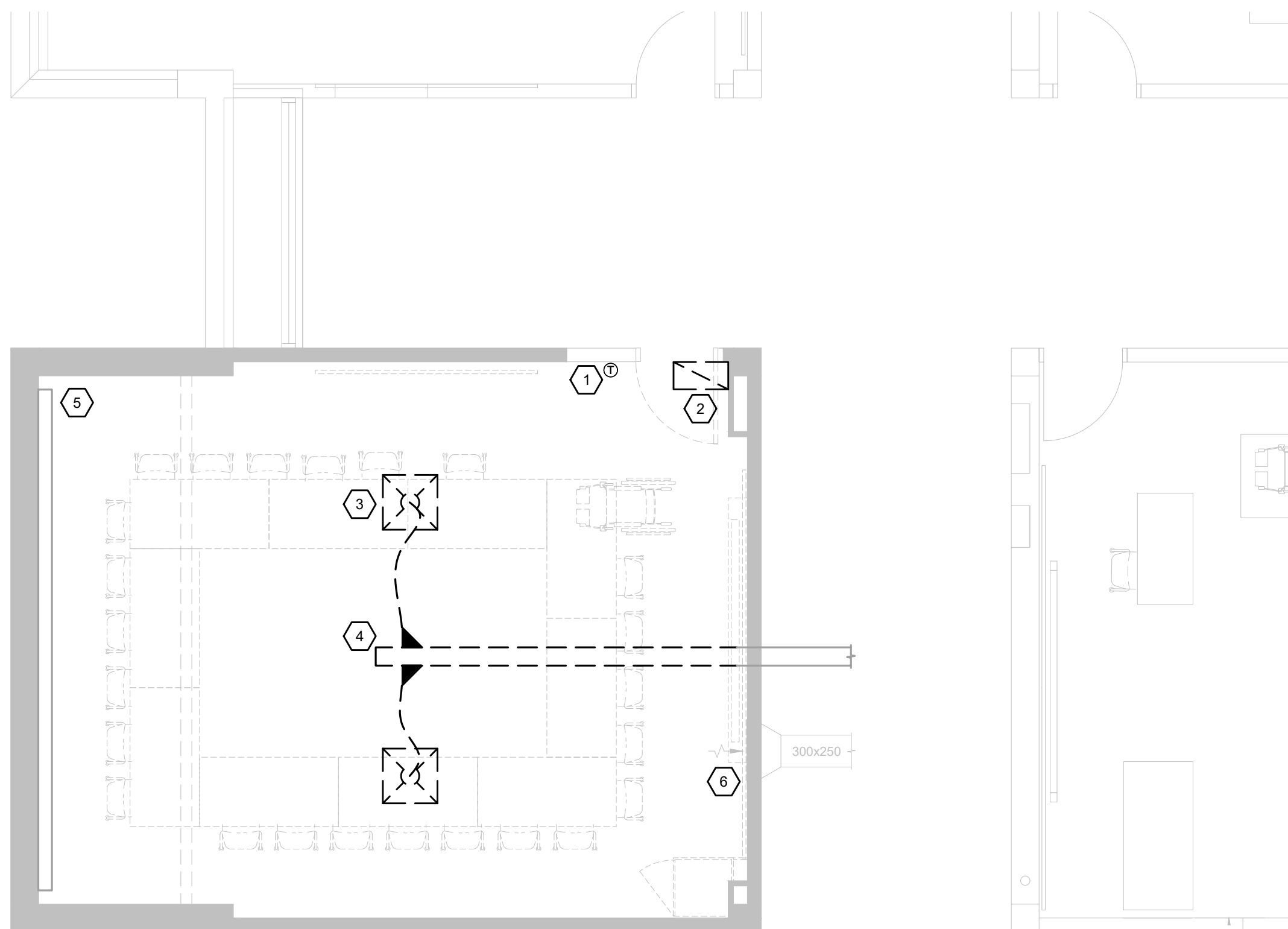
1. EXISTING THERMOSTAT TO BE REMOVED
2. EXISTING RETURN AIR GRILLE TO BE REMOVED.
3. EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED C/W ASSOCIATED FLEX DUCTWORK. CUT BACK AND CAP DUCTWORK AS NEEDED FOR RE-CONNECTION AT NEW WORK PHASE. (TYPICAL)
4. EXISTING SUPPLY AIR DUCTWORK TO BE REMOVED. CONTRACTOR TO VERIFY DUCT ROUTING AND SIZE BEFORE COMMENCEMENT OF WORK.
5. EXISTING UNIT VENTILATOR TO REMAIN AS IS. CONTRACTOR TO REMOVE AND REPLACE DAMAGED EXISTING FLAT TOP REMOVABLE GRILLES WHERE REQUIRED.
6. EXISTING OPEN ENDED RETURN AIR DUCT TO REMAIN AS IS. CONTRACTOR TO PROPERLY PROTECT DUCT OPENING FROM DUST AND DEBRIS. CLEAN DUCTING AT WORK COMPLETION

### DEMOLITION GENERAL NOTES

1. CONTRACTOR TO CONFIRM AVAILABLE CEILING SPACE BEFORE COMMENCING DEMOLITION. REPORT FINDINGS TO OWNER/ENGINEER
2. ALL EXISTING MECHANICAL SERVICES SHOWN IN THIS DRAWING TO REMAIN UNLESS NOTED OTHERWISE
3. THE LOCATION OF ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, CONTROLS AND ACCESSORIES ARE APPROXIMATE AND SHOULD BE CONFIRMED ON SITE.
4. CONTRACTOR TO REVIEW EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND PROVIDE CONSULTANT ANY DISCREPANCIES BASED ON SITE CONDITIONS AS NEEDED.
5. CONTRACTOR TO ISOLATE RENOVATION AREA TO CONTROL AND CONTAIN ALL DUST AND DEBRIS WITHIN CONSTRUCTION AREA DURING DEMOLITION PHASE
6. CONTRACTOR TO ALLOW FOR THE REMOVAL OF ALL EXISTING CEILING DIFFUSERS AND GRILLES



2 MCLAUGHLIN COLLEGE #216 - MECHANICAL NEW WORK PLAN  
SCALE: 1:50



1 MCLAUGHLIN COLLEGE #216 - MECHANICAL DEMOLITION PLAN  
SCALE: 1:50

9.	2025.05.02	ISSUED FOR TENDER	I.I.
8.	2025.05.02	ISSUED FOR PERMIT	I.I.
7.	2025.04.22	ISSUED FOR COORDINATION	I.I.
6.	2023.05.01	ISSUED FOR COORDINATION	MH
5.	2023.05.01	ISSUED FOR 80%CD COSTING	MH
4.	2023.03.24	ISSUED FOR 40%CD	MH
3.	2023.02.10	ISSUED FOR 100%DD	MH
2.	2023.02.03	ISSUED FOR PROGRESS REVIEW	MH
1.	2022.11.30	ISSUED FOR CLIENT REVIEW	RH
#	DATE	REVISION	BY



All drawing and specifications are the property of the architect.  
The contractor shall verify all dimensions and information on site  
and report any discrepancy to architect before proceeding.

## YORK CLASSROOM RENEWAL Y3

York University, Keele Campus

## PHASE 2

BUILDING NAME:  
**MCLAUGHLIN COLLEGE (MC)**  
BUILDING NUMBER:  
**378**  
CLASSROOM TYPE:  
**SEMINAR FLAT**  
CLASSROOM NUMBER:  
**216**

Scale: 1 : 50  
Drawn by: CW  
Reviewed by: BD/TWS  
Job number: ED-22-764  
Plot date: 2022.11.03

Drawing number:

**M378-216**



NEW WORK NOTES

1. ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF SUPPLY AND RETURN AIR LINEAR GRILLES. WHERE THERE ARE NO ACTIVE SUPPLY AIR DIFFUSERS, CONTRACTOR TO INSTALL RETURN AIR LINEAR GRILLES. SEE SCHEDULE FOR SIZE AND TYPE. CONTRACTOR TO UTILIZE LOW PLENUM WHERE CEILING SPACE IS LIMITED. RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID. REFER TO ARCHITECTURAL DWGS FOR DETAILS.
2. NOT USED
3. EXISTING PERIMETER UNIT HEATER TO REMAIN AS IS. CONTRACTOR TO REPLACE DAMAGED GRILLE ENCLOSURE WITH SAME TYPE AND SIZE AS EXISTING PREVIOUSLY REMOVED. CLEAN UNIT AT PROJECT COMPLETION
4. PROVIDE NEW TEMPERATURE SENSOR AND CONNECT TO EXISTING BAS. (TYPICAL)
5. PROVIDE NEW FLEX DUCTWORK TO LINEAR SLOT DIFFUSER PLENUM. LENGTH OF FLEX DUCTWORK TO NOT EXCEED 1500 MM (5 FEET). SIZE AS SHOWN. REFER TO DETAILS. (TYPICAL)
6. OFFSET DUCTWORK AS REQUIRED TO SUIT EXISTING DUCT MAINS IN CEILING SPACE.

NEW WORK GENERAL NOTES

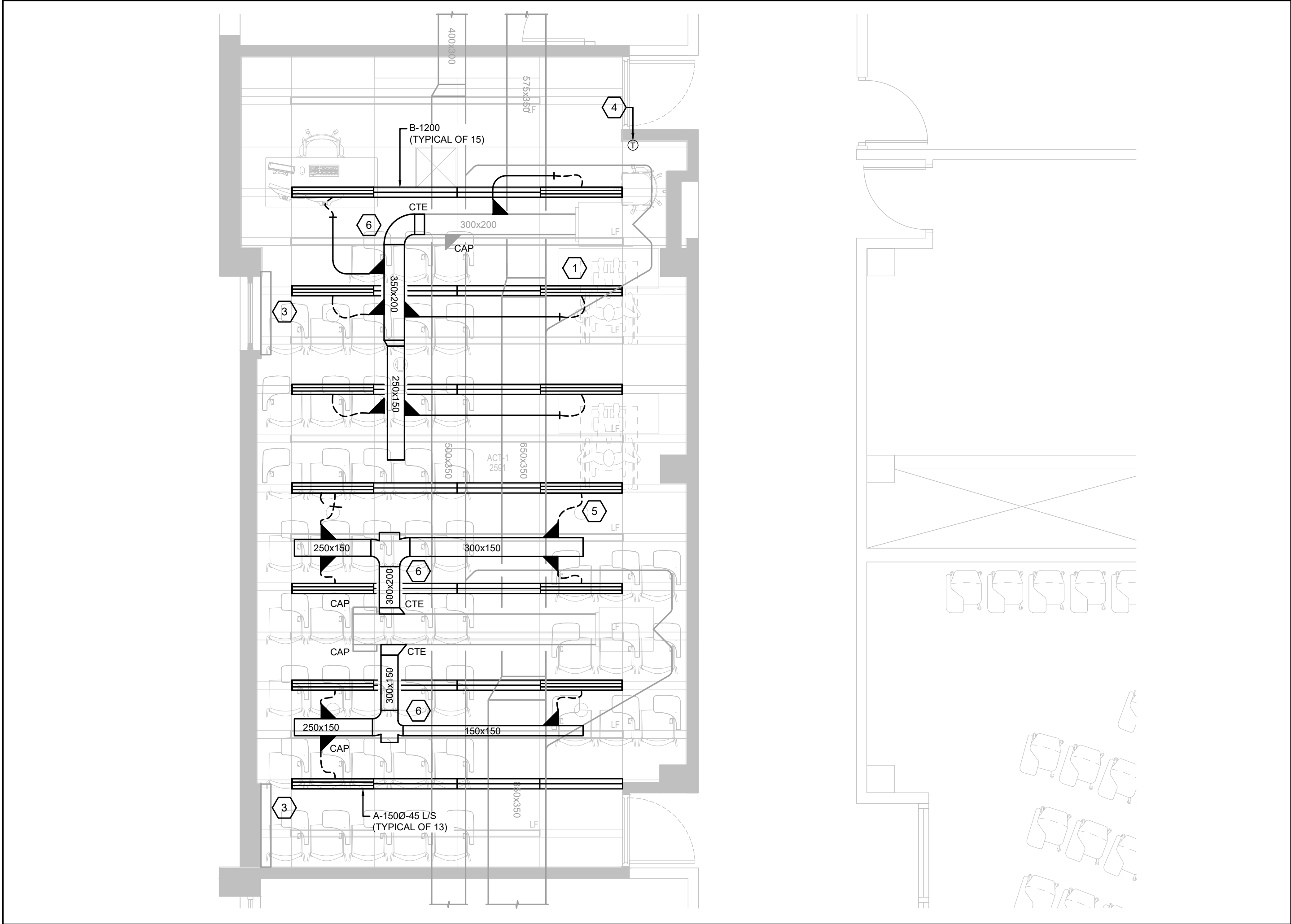
1. MECHANICAL LAYOUTS AS SHOWN ON PLANS IS TO SHOW DESIGN INTENT. INDICATE GENERAL LOCATIONS OF EQUIPMENT AND CONNECTING SERVICES. CONTRACTOR SHALL COORDINATE ROUTING AND ALL NECESSARY FITTINGS TO ACCOMMODATE THE SITE CONDITIONS AND TO MEET THE DESIGN INTENT.
2. VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS AND THAT ADDITIONAL COSTS ARE INCLUDED IN BID TO FACILITATE INSTALLATION. NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS, AND INTERFERENCES.
3. PROVIDE FOR ALL REQUIRED CUTTING AND PATCHING OF EXISTING CEILINGS AND WALLS TO FACILITATE THE INSTALLATION OF THE MECHANICAL SERVICES OUTLINED FOR THIS SCOPE OF WORK.
4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE AND ALL OTHER REGULATORY REQUIREMENTS
5. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN GUIDELINES. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS AS REQUIRED FOR COMPLETE INSTALLATION.
6. COORDINATE MECHANICAL WORK WITH WORK OF OTHER TRADES PRIOR TO FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS REQUIRED FOR COMPLETE WORKABLE INSTALLATION.
7. CONTRACTOR TO INCLUDE FOR TEMPORARY REMOVAL AND RE-INSTALLATION OF CEILING TILES AND GRID TO ALLOW FOR INSTALLATION OF NEW SERVICES. PROVIDE TEMPORARY SUPPORT FOR ALL EXISTING LIGHTING, DEVICES, AND CABLING WITHIN CORRIDOR CEILING SPACES.
8. CONTRACTOR TO CLEAN DUCTWORK AND DIFFUSERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
9. CONTRACTOR TO CLEAN EXISTING PERIMETER UNIT HEATERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
10. PROVIDE INSULATION AND PVC JACKETING PER SPECIFICATIONS AT EXISTING PIPING WHERE INSULATION IS DAMAGED
11. REFER TO ARCHITECTURAL DRAWINGS FOR FINAL LOCATION OF DIFFUSERS AND GRILLES
12. PROVIDE BALANCING DAMPERS ARE BRANCH TAKE OFFS FOR EACH DIFFUSER
13. PROVIDE ALL DUCT TRANSITIONS, FITTINGS TO SUIT INSTALLATION OF DUCTWORK, TAKE OFFS FOR DIFFUSERS AND GRILLES.
14. PROVIDE ACCESS PANELS WHERE REQUIRED

DEMOLITION NOTES

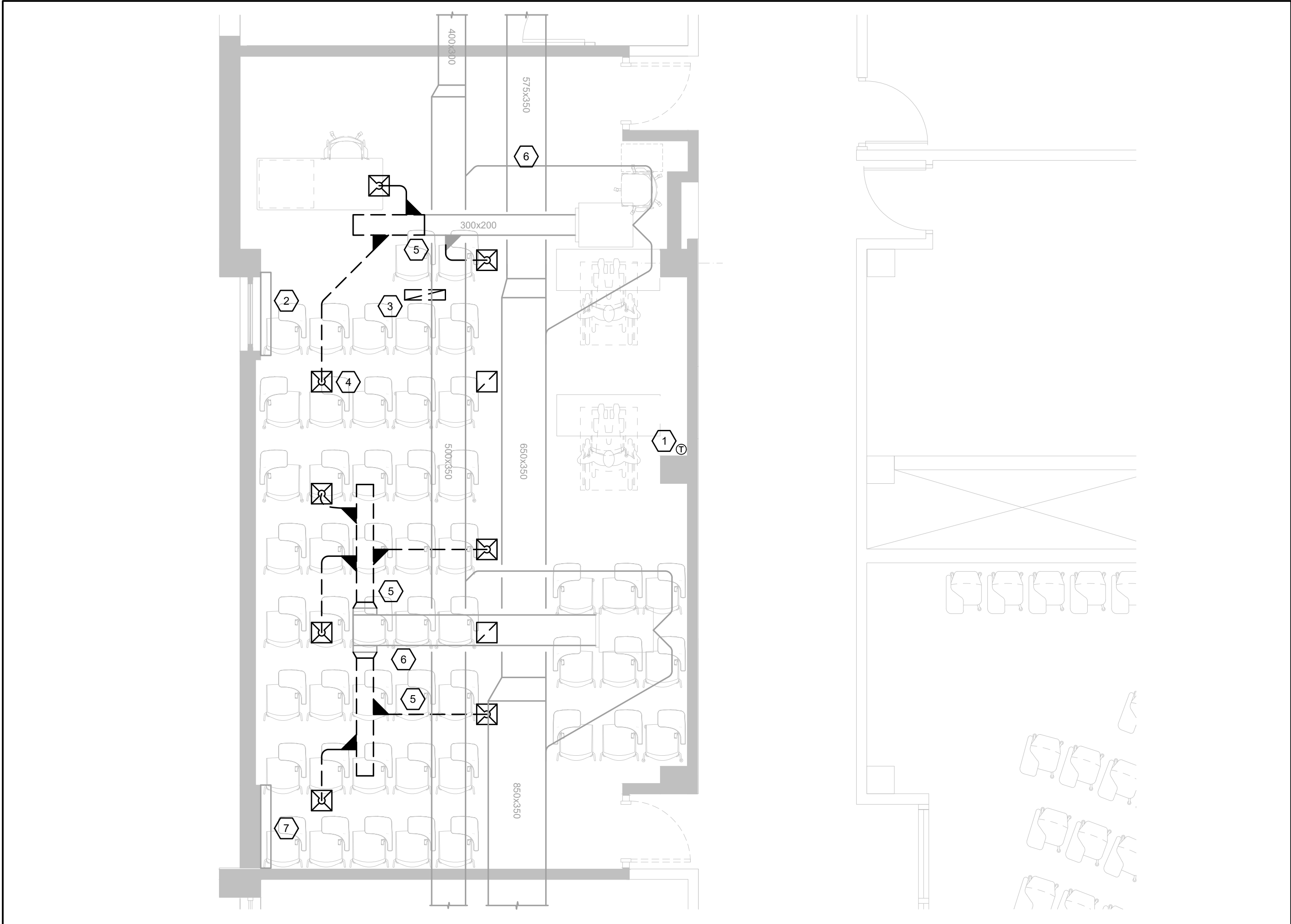
1. EXISTING THERMOSTAT TO BE REMOVED
2. EXISTING PERIMETER RADIANT HEATER TO REMAIN AS IS, CONTRACTOR TO REMOVE AND REPLACE DAMAGED GRILLE ENCLOSURE WHERE REQUIRED (TYPICAL)
3. EXISTING RETURN AIR GRILLE TO BE REMOVED. (TYPICAL)
4. EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED ON ASSOCIATED FLEX DUCTWORK. CUT BACK AND CAP DUCTWORK AS NEEDED FOR RE-CONNECTION AT NEW WORK PHASE (TYPICAL)
5. REMOVE AND CUTBACK EXISTING DUCTWORK AS SHOWN
6. EXISTING SUPPLY AIR DUCTWORK TO REMAIN AS IS.

DEMOLITION GENERAL NOTES

1. CONTRACTOR TO CONFIRM AVAILABLE CEILING SPACE BEFORE COMMENCING DEMOLITION. REPORT FINDINGS TO OWNER/ENGINEER
2. ALL EXISTING MECHANICAL SERVICES SHOWN IN THIS DRAWING TO REMAIN UNLESS NOTED OTHERWISE
3. THE LOCATION OF ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, CONTROLS AND ACCESSORIES ARE APPROXIMATE AND SHOULD BE CONFIRMED ON SITE.
4. CONTRACTOR TO REVIEW EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND PROVIDE CONSULTANT ANY DISCREPANCIES BASED ON SITE CONDITIONS AS NEEDED.
5. CONTRACTOR TO ISOLATE RENOVATION AREA TO CONTROL AND CONTAIN ALL DUST AND DEBRIS WITHIN CONSTRUCTION AREA DURING DEMOLITION PHASE
6. CONTRACTOR TO ALLOW FOR THE REMOVAL OF ALL EXISTING CEILING DIFFUSERS AND GRILLES.



2 BETHUNE COLLEGE #215 - MECHANICAL NEW WORK PLAN  
SCALE: 1:50



1 BETHUNE COLLEGE #215 - MECHANICAL DEMOLITION PLAN  
SCALE: 1:50

9.	2025.05.02	ISSUED FOR TENDER	I.I.
8.	2025.05.02	ISSUED FOR PERMIT	I.I.
7.	2025.04.22	ISSUED FOR COORDINATION	I.I.
6.	2023.05.01	ISSUED FOR COORDINATION	MH
5.	2023.05.01	ISSUED FOR 80%CD COSTING	MH
4.	2023.03.24	ISSUED FOR 40%CD	MH
3.	2023.02.10	ISSUED FOR 100%DD	MH
2.	2023.02.03	ISSUED FOR PROGRESS REVIEW	MH
1.	2022.11.30	ISSUED FOR CLIENT REVIEW	RH
#	DATE	REVISION	BY



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The contractor shall verify all dimensions and information on site  
and report any discrepancy to architect before proceeding.

YORK CLASSROOM  
RENEWAL Y3  
York University, Keele Campus

PHASE 2

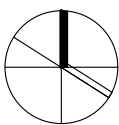
BUILDING NAME:  
**BETHUNE COLLEGE (BC)**  
BUILDING NUMBER:  
**393**  
CLASSROOM TYPE:  
**TRADITIONAL FLAT (TABLET)**  
CLASSROOM NUMBER:  
**215**

Scale: 1 : 50  
Drawn by: CW  
Reviewed by: BD/TWS  
Job number: ED-22-764  
Plot date: 2022.11.03

Drawing number:

M393-215





### NEW WORK NOTES

- ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF SUPPLY AND RETURN AIR LINEAR GRILLES. WHERE THERE ARE NO ACTIVE SUPPLY AIR DIFFUSERS, CONTRACTOR TO INSTALL RETURN AIR LINEAR GRILLES. SEE SCHEDULE FOR SIZE AND TYPE. CONTRACTOR TO UTILIZE LOW PLENUM WHERE CEILING SPACE IS LIMITED. RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID. REFER TO ARCHITECTURAL DWGS FOR DETAILS.
- PROVIDE NEW TEMPERATURE SENSOR AND CONNECT TO EXISTING BAS. (TYPICAL)
- PROVIDE NEW FLEX DUCTWORK TO LINEAR SLOT DIFFUSER PLENUM. LENGTH OF FLEX DUCTWORK TO NOT EXCEED 1500 MM (5 FEET). SIZE AS SHOWN. REFER TO DETAILS. (TYPICAL)
- EXISTING OPEN ENDED RETURN DUCT TO REMAIN.
- OFFSET DUCTWORK AS REQUIRED TO SUIT EXISTING DUCT MAINS IN CEILING SPACE.
- EXISTING PERIMETER UNIT HEATER TO REMAIN AS IS. CONTRACTOR TO REPLACE DAMAGED GRILLE ENCLOSURE WITH SAME TYPE AND SIZE AS EXISTING PREVIOUSLY REMOVED. CLEAN UNIT AT PROJECT COMPLETION
- ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF RETURN AIR LINEAR GRILLES. SEE SCHEDULE FOR SIZE AND TYPE. RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID. REFER TO ARCHITECTURAL DWGS FOR DETAILS.

### NEW WORK GENERAL NOTES

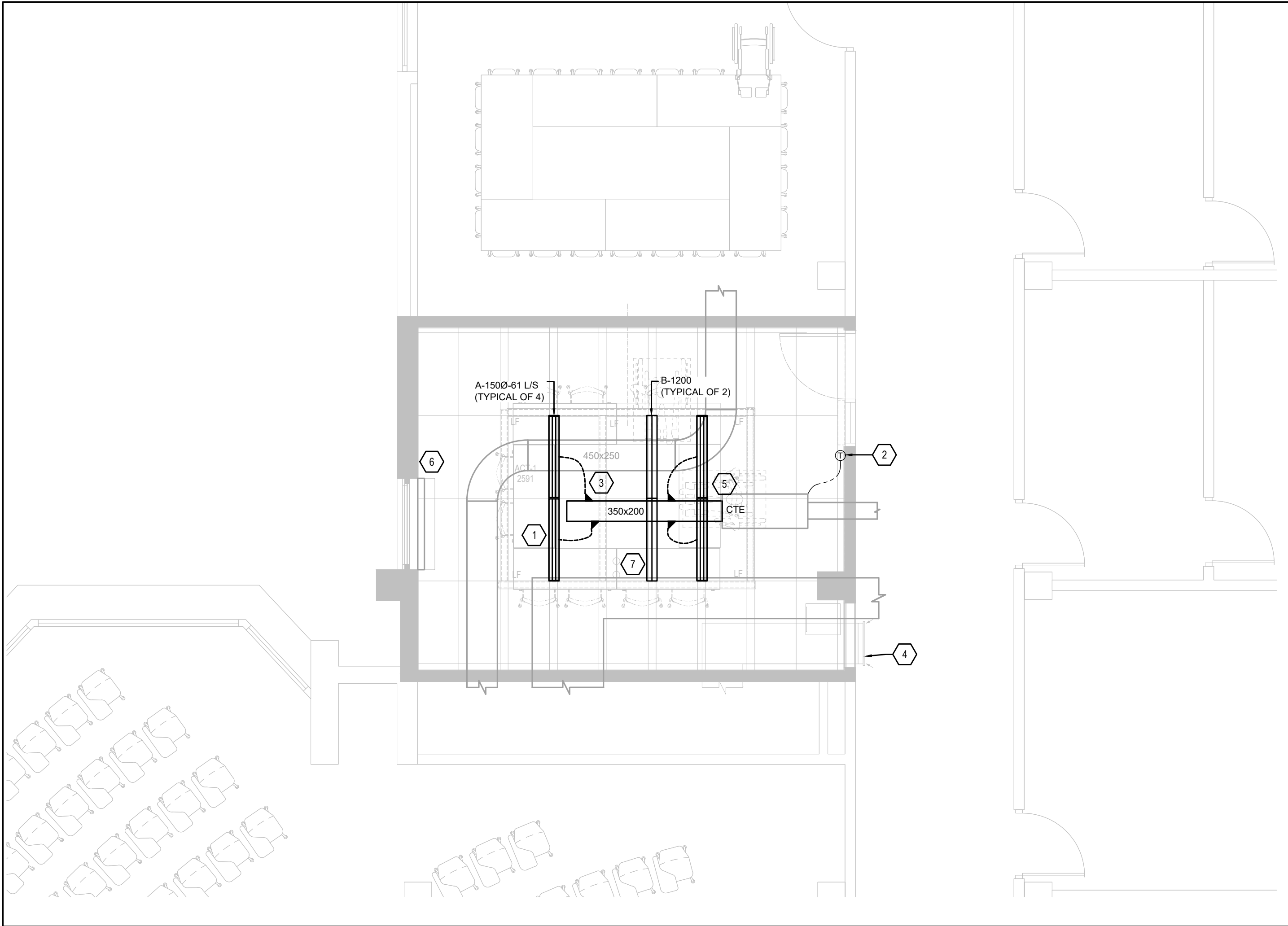
- MECHANICAL LAYOUTS AS SHOWN ON PLANS IS TO SHOW DESIGN INTENT INDICATE GENERAL LOCATIONS OF EQUIPMENT AND CONNECTING SERVICES. CONTRACTOR SHALL COORDINATE ROUTING AND ALL NECESSARY FITTINGS TO ACCOMMODATE THE SITE CONDITIONS AND TO MEET THE DESIGN INTENT.
- VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS AND THAT ADDITIONAL COSTS ARE INCLUDED IN BID TO FACILITATE INSTALLATION. NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS, AND INTERFERENCES.
- PROVIDE FOR ALL REQUIRED CUTTING AND PATCHING OF EXISTING CEILINGS AND WALLS TO FACILITATE THE INSTALLATION OF THE MECHANICAL SERVICES OUTLINED FOR THIS SCOPE OF WORK.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE AND ALL OTHER REGULATORY REQUIREMENTS
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN GUIDELINES. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS AS REQUIRED FOR COMPLETE INSTALLATION.
- COORDINATE MECHANICAL WORK WITH WORK OF OTHER TRADES PRIOR TO FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS REQUIRED FOR COMPLETE WORKABLE INSTALLATION.
- CONTRACTOR TO INCLUDE FOR TEMPORARY REMOVAL AND RE-INSTALLATION OF CEILING TILES AND GRID TO ALLOW FOR INSTALLATION OF NEW SERVICES. PROVIDE TEMPORARY SUPPORT FOR ALL EXISTING LIGHTING, DEVICES, AND CABLING WITHIN CORRIDOR CEILING SPACES.
- CONTRACTOR TO CLEAN DUCTWORK AND DIFFUSERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
- CONTRACTOR TO CLEAN EXISTING PERIMETER UNIT HEATERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
- PROVIDE INSULATION AND PVC JACKETING PER SPECIFICATIONS AT EXISTING PIPING WHERE INSULATION IS DAMAGED
- REFER TO ARCHITECTURAL DRAWINGS FOR FINAL LOCATION OF DIFFUSERS AND GRILLES
- PROVIDE BALANCING DAMPERS ARE BRANCH TAKE OFFS FOR EACH DIFFUSER
- PROVIDE ALL DUCT TRANSITIONS, FITTINGS TO SUIT INSTALLATION OF DUCTWORK. TAKE OFFS FOR DIFFUSERS AND GRILLES.
- PROVIDE ACCESS PANELS WHERE REQUIRED

### DEMOLITION NOTES

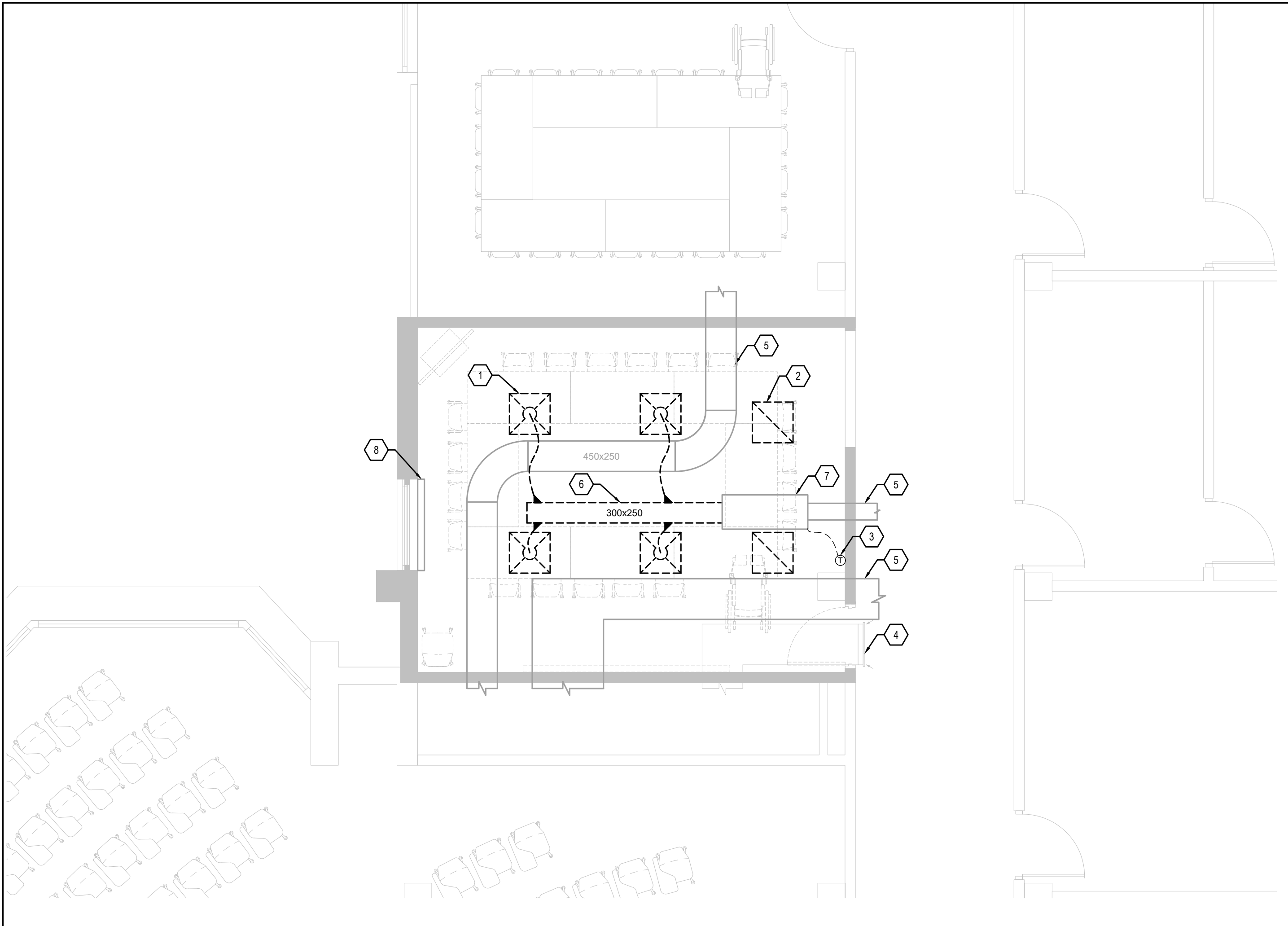
- EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED C/W ASSOCIATED FLEX DUCTWORK. CUT BACK AND CAP DUCTWORK AS NEEDED FOR RE-CONNECTION AT NEW WORK PHASE. (TYPICAL)
- EXISTING RETURN GRILLE TO BE REMOVED (TYPICAL)
- EXISTING THERMOSTAT TO BE REMOVED
- EXISTING OPEN ENDED RETURN DUCT TO REMAIN.
- EXISTING SUPPLY GRILLE TO BE REMOVED C/W ASSOCIATED PLENUM. CUT BACK DUCTWORK AS NEEDED FOR CONNECTION TO NEW WORK.
- REMOVE AND CUTBACK EXISTING DUCTWORK AS SHOWN
- EXISTING VAV BOX TO REMAIN AS IS.
- EXISTING BASEBOARD HEATER TO REMAIN

### DEMOLITION GENERAL NOTES

- CONTRACTOR TO CONFIRM AVAILABLE CEILING SPACE BEFORE COMMENCING DEMOLITION. REPORT FINDINGS TO OWNER/ENGINEER.
- ALL EXISTING MECHANICAL SERVICES SHOWN IN THIS DRAWING TO REMAIN UNLESS NOTED OTHERWISE
- THE LOCATION OF ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, CONTROLS AND ACCESSORIES ARE APPROXIMATE AND SHOULD BE CONFIRMED ON SITE.
- CONTRACTOR TO REVIEW EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND PROVIDE CONSULTANT ANY DISCREPANCIES BASED ON SITE CONDITIONS AS NEEDED.
- CONTRACTOR TO ISOLATE RENOVATION AREA TO CONTROL AND CONTAIN ALL DUST AND DEBRIS WITHIN CONSTRUCTION AREA DURING DEMOLITION PHASE
- CONTRACTOR TO ALLOW FOR THE REMOVAL OF ALL EXISTING CEILING DIFFUSERS AND GRILLES.



2 BETHUNE COLLEGE 225 - MECHANICAL NEW WORK PLAN  
SCALE: 1:50



1 BETHUNE COLLEGE 225 - MECHANICAL DEMOLITION PLAN  
SCALE: 1:50

9.	2025.05.02	ISSUED FOR TENDER	I.I.
8.	2025.05.02	ISSUED FOR PERMIT	I.I.
7.	2025.04.22	ISSUED FOR COORDINATION	I.I.
6.	2023.05.01	ISSUED FOR COORDINATION	MH
5.	2023.05.01	ISSUED FOR 80%CD COSTING	MH
4.	2023.03.24	ISSUED FOR 40%CD	MH
3.	2023.02.10	ISSUED FOR 100%DD	MH
2.	2023.02.03	ISSUED FOR PROGRESS REVIEW	MH
1.	2022.11.30	ISSUED FOR CLIENT REVIEW	RH
#	DATE	REVISION	BY



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The contractor shall verify all dimensions and information on site  
and report any discrepancy to architect before proceeding.

## YORK CLASSROOM RENEWAL Y3

York University, Keele Campus

## PHASE 2

BUILDING NAME:  
**BETHUNE COLLEGE (BC)**  
BUILDING NUMBER:  
**393**  
CLASSROOM TYPE:  
**SEMINAR FLAT**  
CLASSROOM NUMBER:  
**225**

Scale: 1 : 50  
Drawn by: RH  
Reviewed by: MH  
Job number: ED-22-764  
Plot date: 2022.11.03

Drawing number:

**M393-225**



NEW WORK NOTES

1. ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF SUPPLY AND RETURN AIR LINEAR GRILLES. WHERE THERE ARE NO ACTIVE SUPPLY AIR DIFFUSERS, CONTRACTOR TO INSTALL RETURN AIR LINEAR GRILLES. SEE SCHEDULE FOR SIZE AND TYPE. CONTRACTOR TO UTILIZE LOW PLENUM WHERE CEILING SPACE IS LIMITED. RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID. REFER TO ARCHITECTURAL DWGS FOR DETAILS. PROVIDE NEW TEMPERATURE SENSOR AND CONNECT TO EXISTING BAS. (TYPICAL)
2. PROVIDE NEW FLEX DUCTWORK TO LINEAR SLOT DIFFUSER PLENUM. LENGTH OF FLEX DUCTWORK TO NOT EXCEED 1500 MM (5 FEET). SIZE AS SHOWN. REFER TO DETAILS. (TYPICAL)
3. OFFSET DUCTWORK AS REQUIRED TO SUIT EXISTING DUCT MAINS IN CEILING SPACE.
4. EXISTING PERIMETER UNIT HEATER TO REMAIN AS IS. CONTRACTOR TO REPLACE DAMAGED GRILLE ENCLOSURE WITH SAME TYPE AND SIZE AS EXISTING PREVIOUSLY REMOVED. CLEAN UNIT AT PROJECT COMPLETION

NEW WORK GENERAL NOTES

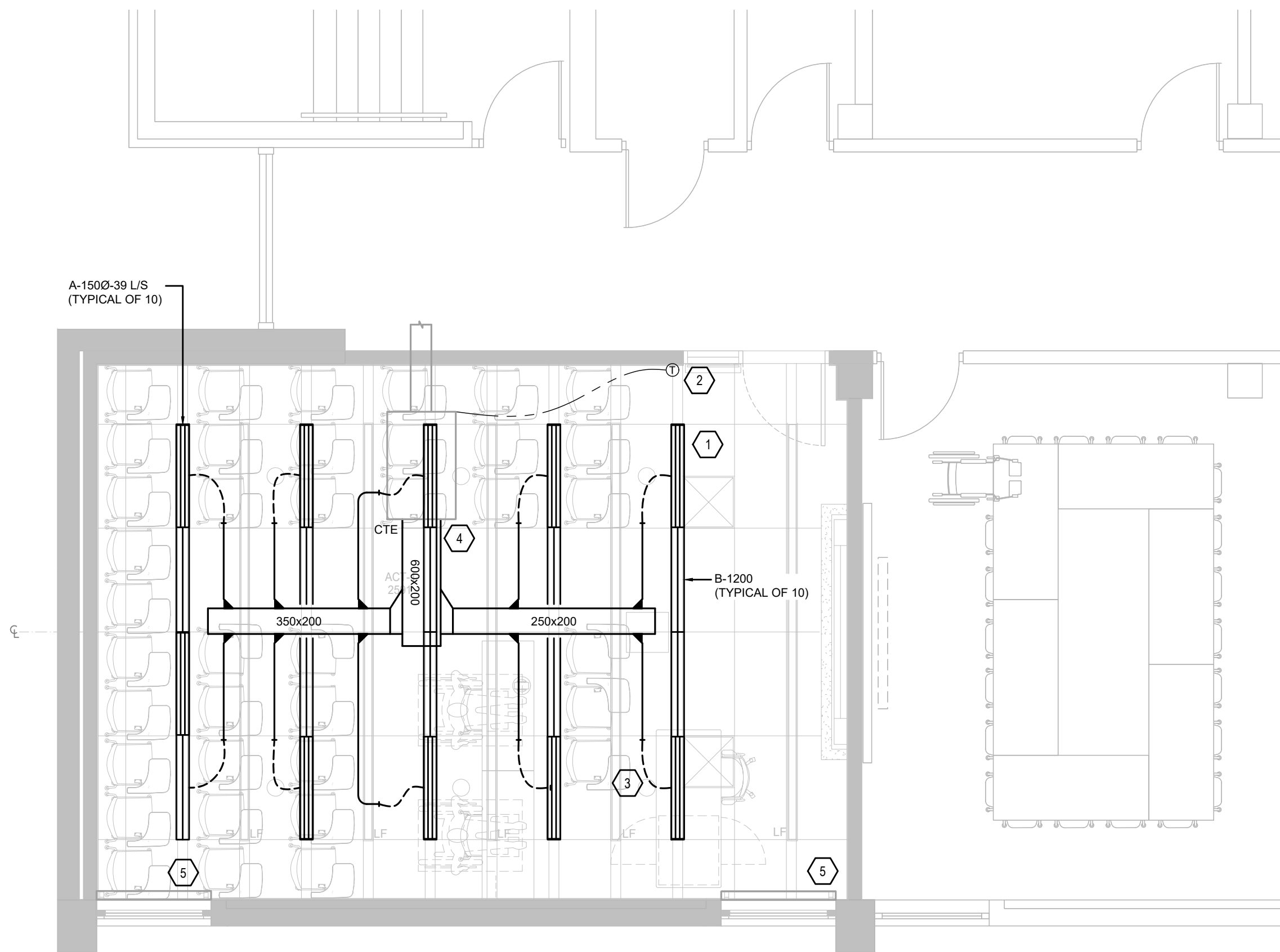
1. MECHANICAL LAYOUTS AS SHOWN ON PLANS IS TO SHOW DESIGN INTENT INDICATE GENERAL LOCATIONS OF EQUIPMENT AND CONNECTING SERVICES. CONTRACTOR SHALL COORDINATE ROUTING AND ALL NECESSARY FITTINGS TO ACCOMMODATE THE SITE CONDITIONS AND TO MEET THE DESIGN INTENT.
2. VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS AND THAT ADDITIONAL COSTS ARE INCLUDED IN BID TO FACILITATE INSTALLATION. NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS, AND INTERFERENCES.
3. PROVIDE FOR ALL REQUIRED CUTTING AND PATCHING OF EXISTING CEILINGS AND WALLS TO FACILITATE THE INSTALLATION OF THE MECHANICAL SERVICES OUTLINED FOR THIS SCOPE OF WORK.
4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE AND ALL OTHER REGULATORY REQUIREMENTS
5. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN GUIDELINES. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS AS REQUIRED FOR COMPLETE INSTALLATION.
6. COORDINATE MECHANICAL WORK WITH WORK OF OTHER TRADES PRIOR TO FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS REQUIRED FOR COMPLETE WORKABLE INSTALLATION.
7. CONTRACTOR TO INCLUDE FOR TEMPORARY REMOVAL AND RE-INSTALLATION OF CEILING TILES AND GRID TO ALLOW FOR INSTALLATION OF NEW SERVICES. PROVIDE TEMPORARY SUPPORT FOR ALL EXISTING LIGHTING, DEVICES, AND CABLING WITHIN CORRIDOR CEILING SPACES.
8. CONTRACTOR TO CLEAN DUCTWORK AND DIFFUSERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
9. CONTRACTOR TO CLEAN EXISTING PERIMETER UNIT HEATERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
10. PROVIDE INSULATION AND PVC JACKETING PER SPECIFICATIONS AT EXISTING PIPING WHERE INSULATION IS DAMAGED
11. REFER TO ARCHITECTURAL DRAWINGS FOR FINAL LOCATION OF DIFFUSERS AND GRILLES
12. PROVIDE BALANCING DAMPERS ARE BRANCH TAKE OFFS FOR EACH DIFFUSER
13. PROVIDE ALL DUCT TRANSITIONS, FITTINGS TO SUIT INSTALLATION OF DUCTWORK, TAKE OFFS FOR DIFFUSERS AND GRILLES.
14. PROVIDE ACCESS PANELS WHERE REQUIRED

DEMOLITION NOTES

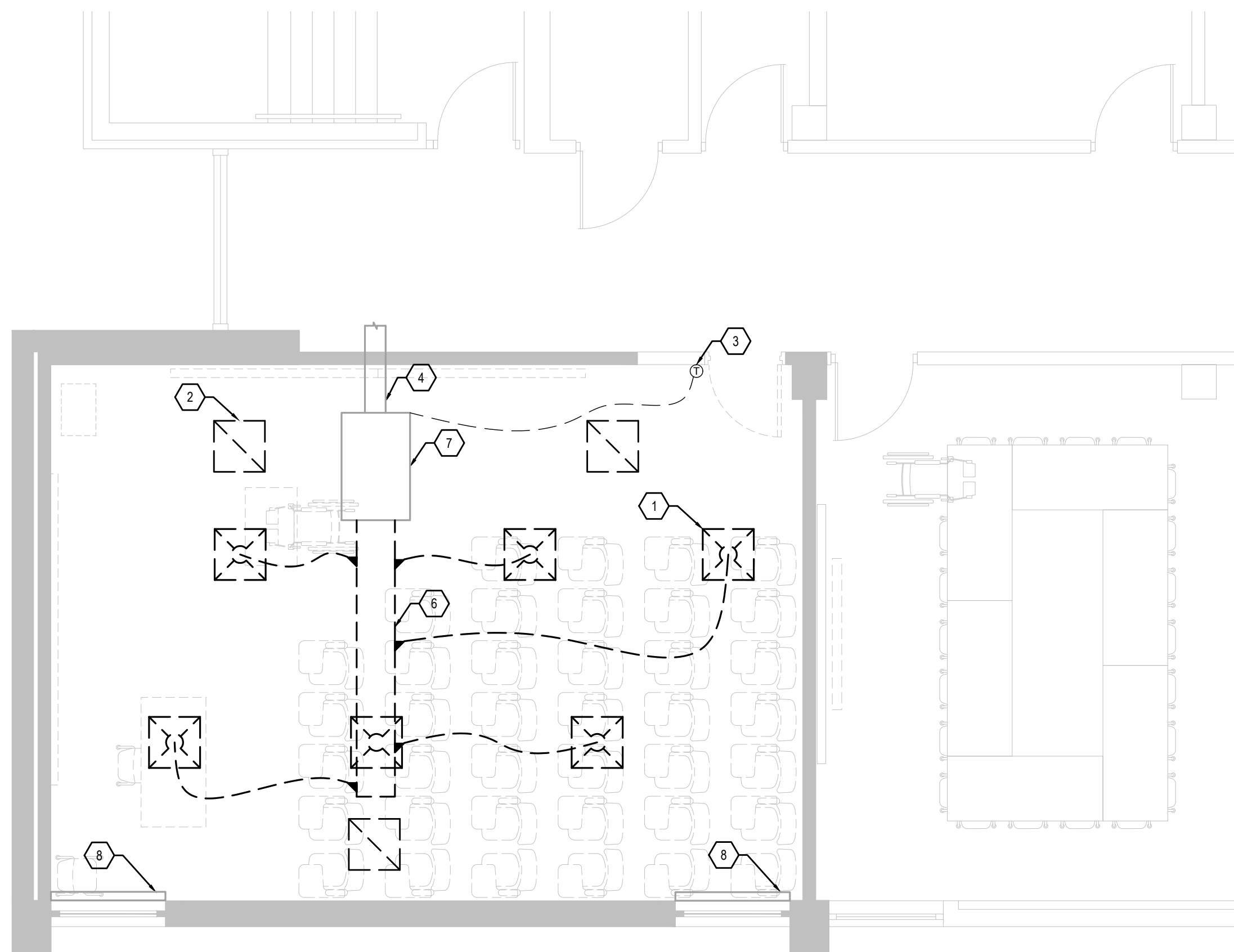
1. EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED C/W ASSOCIATED FLEX DUCTWORK. CUT BACK AND CAP DUCTWORK AS NEEDED FOR RE-CONNECTION AT NEW WORK PHASE. (TYPICAL)
2. EXISTING RETURN GRILLE TO BE REMOVED (TYPICAL)
3. EXISTING THERMOSTAT TO BE REMOVED
4. EXISTING SUPPLY DUCT TO VAV BOX TO REMAIN AS IS
6. REMOVE AND CUTBACK EXISTING DUCTWORK AS SHOWN
7. EXISTING VAV BOX TO REMAIN AS IS.
8. EXISTING BASEBOARD HEATER TO REMAIN AS IS.

DEMOLITION GENERAL NOTES

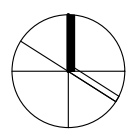
1. CONTRACTOR TO CONFIRM AVAILABLE CEILING SPACE BEFORE COMMENCING DEMOLITION. REPORT FINDINGS TO OWNER/ENGINEER
2. ALL EXISTING MECHANICAL SERVICES SHOWN IN THIS DRAWING TO REMAIN UNLESS NOTED OTHERWISE
3. THE LOCATION OF ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, CONTROLS AND ACCESSORIES ARE APPROXIMATE AND SHOULD BE CONFIRMED ON SITE.
4. CONTRACTOR TO REVIEW EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND PROVIDE CONSULTANT ANY DISCREPANCIES BASED ON SITE CONDITIONS AS NEEDED.
5. CONTRACTOR TO ISOLATE RENOVATION AREA TO CONTROL AND CONTAIN ALL DUST AND DEBRIS WITHIN CONSTRUCTION AREA DURING DEMOLITION PHASE
6. CONTRACTOR TO ALLOW FOR THE REMOVAL OF ALL EXISTING CEILING DIFFUSERS AND GRILLES.



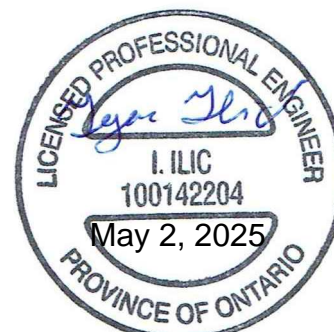
2 BETHUNE COLLEGE 230 - MECHANICAL NEW WORK PLAN  
SCALE: 1:50



1 BETHUNE COLLEGE 230 - MECHANICAL DEMOLITION PLAN  
SCALE: 1:50



9.	2025.05.02	ISSUED FOR TENDER	I.I.
8.	2025.05.02	ISSUED FOR PERMIT	I.I.
7.	2025.04.22	ISSUED FOR COORDINATION	I.I.
6.	2023.05.01	ISSUED FOR COORDINATION	MH
5.	2023.05.01	ISSUED FOR 80%CD COSTING	MH
4.	2023.03.24	ISSUED FOR 40%CD	MH
3.	2023.02.10	ISSUED FOR 100%DD	MH
2.	2023.02.03	ISSUED FOR PROGRESS REVIEW	MH
1.	2022.11.30	ISSUED FOR CLIENT REVIEW	RH
#	DATE	REVISION	BY



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and report any discrepancy to architect before proceeding.

YORK CLASSROOM  
RENEWAL Y3

York University, Keele Campus

PHASE 2

BUILDING NAME:  
**BETHUNE COLLEGE (BC)**  
BUILDING NUMBER:  
**393**  
CLASSROOM TYPE:  
**SEMINAR FLAT**  
CLASSROOM NUMBER:  
**226**

Scale: 1 : 50  
Drawn by: RH  
Reviewed by: MH  
Job number: ED-22-764  
Plot date: 2022.11.03

Drawing number:

M393-230

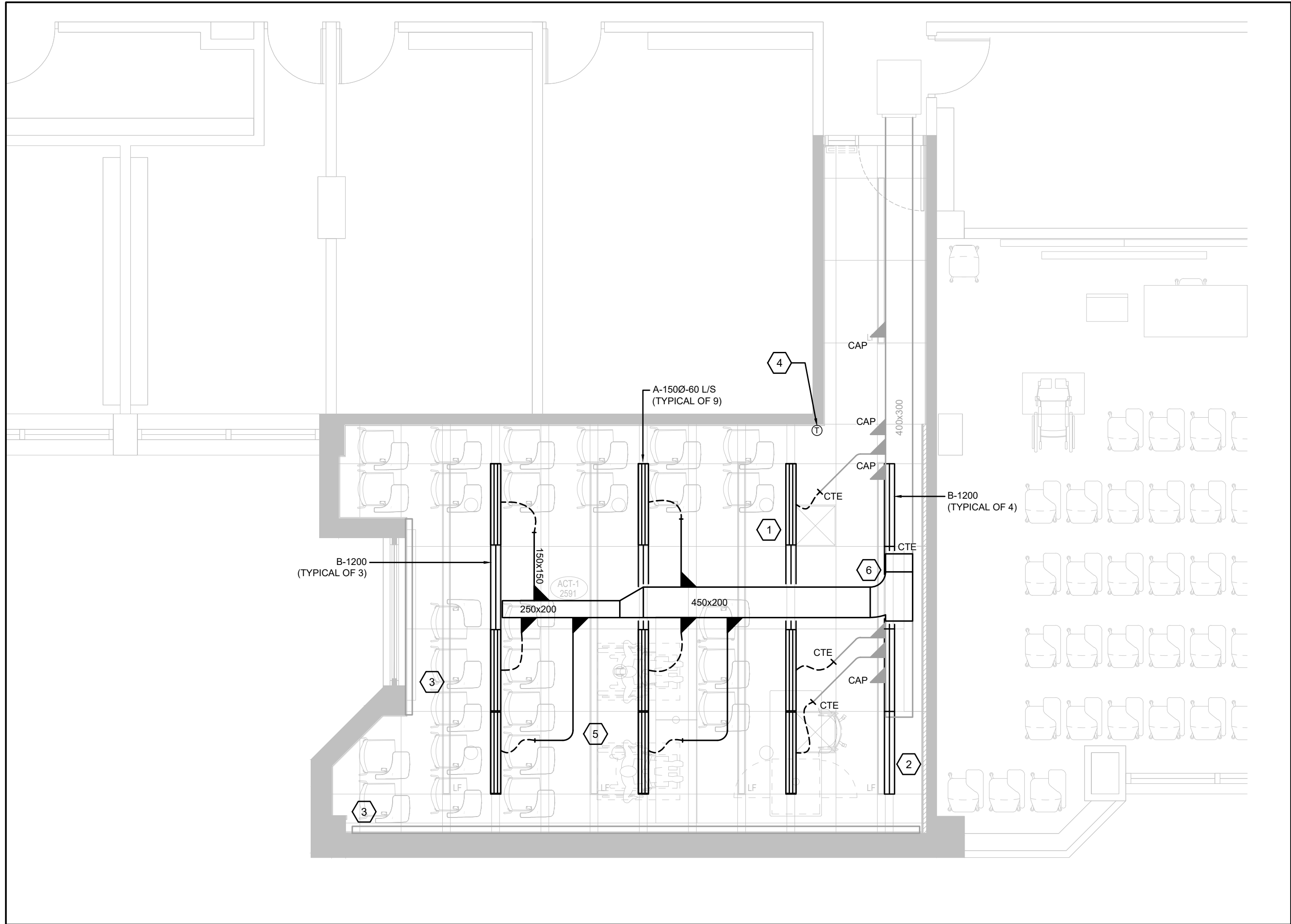


### NEW WORK NOTES

- ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF SUPPLY AND RETURN AIR LINEAR GRILLES. WHERE THERE ARE NO ACTIVE SUPPLY AIR DIFFUSERS, CONTRACTOR TO INSTALL RETURN AIR LINEAR GRILLES. SEE SCHEDULE FOR SIZE AND TYPE. CONTRACTOR TO UTILIZE LOW PLENUM WHERE CEILING SPACE IS LIMITED. RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID. REFER TO ARCHITECTURAL DWGS FOR DETAILS.
- ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF RETURN AIR LINEAR GRILLES. SEE SCHEDULE FOR SIZE AND TYPE. RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID. REFER TO ARCHITECTURAL DWGS FOR DETAILS.
- EXISTING PERIMETER UNIT HEATER TO REMAIN AS IS. CONTRACTOR TO REPLACE DAMAGED GRILLE ENCLOSURE WITH SAME TYPE AND SIZE AS EXISTING PREVIOUSLY REMOVED. CLEAN UNIT AT PROJECT COMPLETION
- PROVIDE NEW TEMPERATURE SENSOR AND CONNECT TO EXISTING BAS. (TYPICAL)
- PROVIDE NEW FLEX DUCTWORK TO LINEAR SLOT DIFFUSER PLENUM. LENGTH OF FLEX DUCTWORK TO NOT EXCEED 1500 MM (5 FEET). SIZE AS SHOWN. REFER TO DETAILS. (TYPICAL)
- OFFSET DUCTWORK AS REQUIRED TO SUIT EXISTING DUCT MAINS IN CEILING SPACE.

### NEW WORK GENERAL NOTES

- MECHANICAL LAYOUTS AS SHOWN ON PLANS IS TO SHOW DESIGN INTENT. INDICATE GENERAL LOCATIONS OF EQUIPMENT AND CONNECTING SERVICES. CONTRACTOR SHALL COORDINATE ROUTING AND ALL NECESSARY FITTINGS TO ACCOMMODATE THE SITE CONDITIONS AND TO MEET THE DESIGN INTENT.
- VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS AND THAT ADDITIONAL COSTS ARE INCLUDED IN BID TO FACILITATE INSTALLATION. NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS, AND INTERFERENCES.
- PROVIDE FOR ALL REQUIRED CUTTING AND PATCHING OF EXISTING CEILINGS AND WALLS TO FACILITATE THE INSTALLATION OF THE MECHANICAL SERVICES OUTLINED FOR THIS SCOPE OF WORK.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE AND ALL OTHER REGULATORY REQUIREMENTS
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN GUIDELINES. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS AS REQUIRED FOR COMPLETE INSTALLATION.
- COORDINATE MECHANICAL WORK WITH WORK OF OTHER TRADES PRIOR TO FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS REQUIRED FOR COMPLETE WORKABLE INSTALLATION.
- CONTRACTOR TO INCLUDE FOR TEMPORARY REMOVAL AND RE-INSTALLATION OF CEILING TILES AND GRID TO ALLOW FOR INSTALLATION OF NEW SERVICES. PROVIDE TEMPORARY SUPPORT FOR ALL EXISTING LIGHTING, DEVICES, AND CABLING WITHIN CORRIDOR CEILING SPACES.
- CONTRACTOR TO CLEAN DUCTWORK AND DIFFUSERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
- CONTRACTOR TO CLEAN EXISTING PERIMETER UNIT HEATERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
- PROVIDE INSULATION AND PVC JACKETING PER SPECIFICATIONS AT EXISTING PIPING WHERE INSULATION IS DAMAGED
- REFER TO ARCHITECTURAL DRAWINGS FOR FINAL LOCATION OF DIFFUSERS AND GRILLES
- PROVIDE BALANCING DAMPERS ARE BRANCH TAKE OFFS FOR EACH DIFFUSER
- PROVIDE ALL DUCT TRANSITIONS, FITTINGS TO SUIT INSTALLATION OF DUCTWORK, TAKE OFFS FOR DIFFUSERS AND GRILLES.
- PROVIDE ACCESS PANELS WHERE REQUIRED



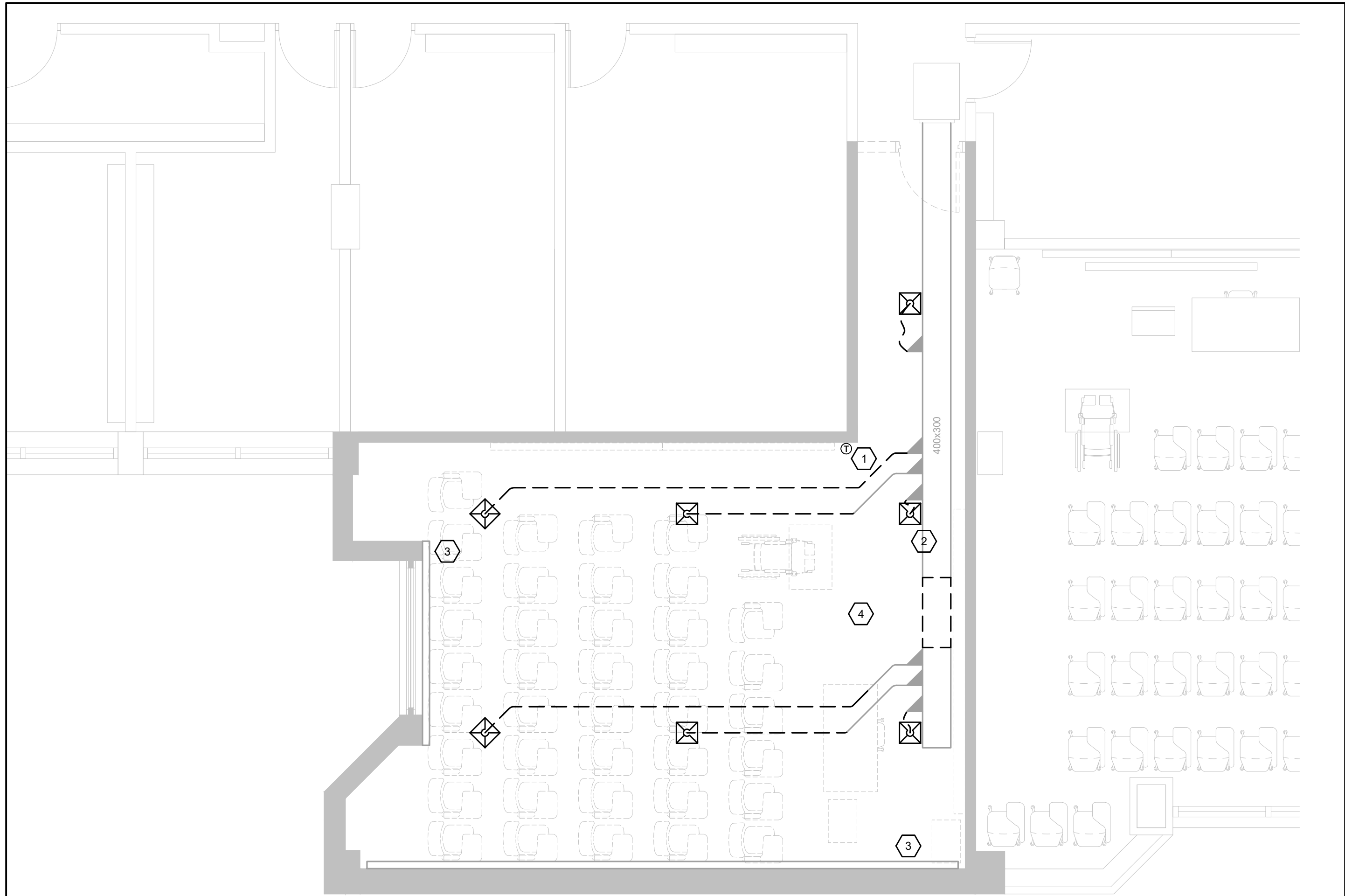
2 BETHUNE COLLEGE #322 - MECHANICAL NEW WORK PLAN  
SCALE: 1:50

### DEMOLITION NOTES

- EXISTING THERMOSTAT TO BE REMOVED
- EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED C/W ASSOCIATED FLEX DUCTWORK. CUT BACK AND CAP DUCTWORK AS NEEDED FOR RE-CONNECTION AT NEW WORK PHASE. (TYPICAL)
- EXISTING PERIMETER RADIANT HEATER TO REMAIN AS IS
- REMOVE AND CUTBACK EXISTING DUCTWORK AS SHOWN

### DEMOLITION GENERAL NOTES

- CONTRACTOR TO CONFIRM AVAILABLE CEILING SPACE BEFORE COMMENCING DEMOLITION. REPORT FINDINGS TO OWNER/ENGINEER
- ALL EXISTING MECHANICAL SERVICES SHOWN IN THIS DRAWING TO REMAIN UNLESS NOTED OTHERWISE
- THE LOCATION OF ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, CONTROLS AND ACCESSORIES ARE APPROXIMATE AND SHOULD BE CONFIRMED ON SITE.
- CONTRACTOR TO REVIEW EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND PROVIDE CONSULTANT ANY DISCREPANCIES BASED ON SITE CONDITIONS AS NEEDED.
- CONTRACTOR TO ISOLATE RENOVATION AREA TO CONTROL AND CONTAIN ALL DUST AND DEBRIS WITHIN CONSTRUCTION AREA DURING DEMOLITION PHASE
- CONTRACTOR TO ALLOW FOR THE REMOVAL OF ALL EXISTING CEILING DIFFUSERS AND GRILLES.



1 BETHUNE COLLEGE #322 - MECHANICAL DEMOLITION PLAN  
SCALE: 1:50

9.	2025.05.02	ISSUED FOR TENDER	I.I.
8.	2025.05.02	ISSUED FOR PERMIT	I.I.
7.	2025.04.22	ISSUED FOR COORDINATION	I.I.
6.	2023.05.01	ISSUED FOR COORDINATION	MH
5.	2023.05.01	ISSUED FOR 80%CD COSTING	MH
4.	2023.03.24	ISSUED FOR 40%CD	MH
3.	2023.02.10	ISSUED FOR 100%DD	MH
2.	2023.02.03	ISSUED FOR PROGRESS REVIEW	MH
1.	2022.11.30	ISSUED FOR CLIENT REVIEW	RH
#	DATE	REVISION	BY



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and report any discrepancy to architect before proceeding.

**YORK CLASSROOM  
RENEWAL Y3**  
York University, Keele Campus

## PHASE 2

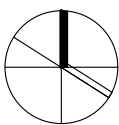
BUILDING NAME:  
**BETHUNE COLLEGE (BC)**  
BUILDING NUMBER:  
**393**  
CLASSROOM TYPE:  
**TRADITIONAL FLAT (TABLET)**  
CLASSROOM NUMBER:  
**322**

Scale: 1 : 50  
Drawn by: CW  
Reviewed by: BD/TWS  
Job number: ED-22-764  
Plot date: 2022.11.03

Drawing number:

**M393-322**



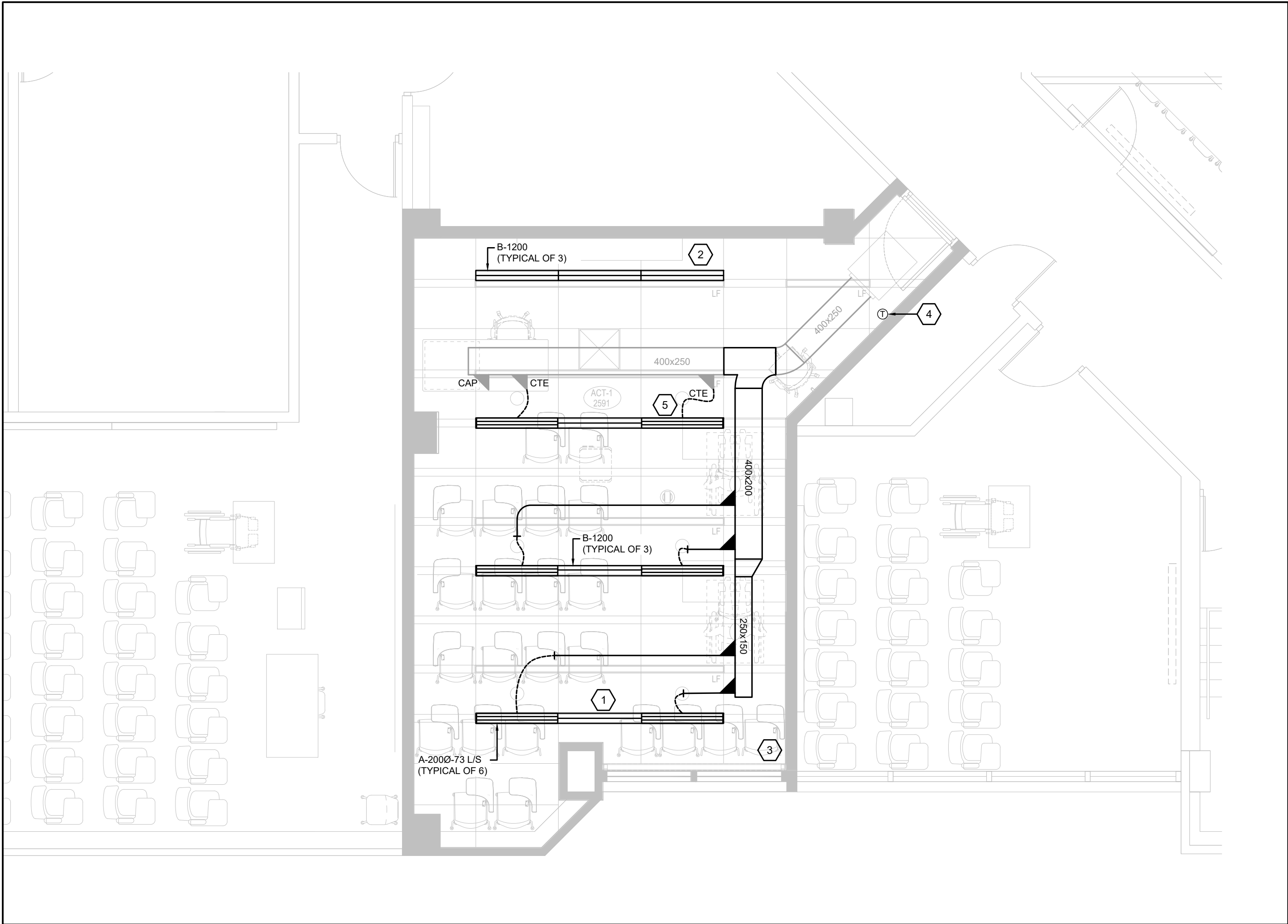


### NEW WORK NOTES

1. ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF SUPPLY AND RETURN AIR LINEAR GRILLES, WHERE THERE ARE NO ACTIVE SUPPLY AIR DIFFUSERS, CONTRACTOR TO INSTALL RETURN AIR LINEAR GRILLES, SEE SCHEDULE FOR SIZE AND TYPE, CONTRACTOR TO UTILIZE LOW PLENUM WHERE CEILING SPACE IS LIMITED, RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID, REFER TO ARCHITECTURAL DWGS FOR DETAILS.
2. ARCHITECT TO PROVIDE CONTINUOUS AIR SLOT TO ALLOW FOR INSTALLATION OF RETURN AIR LINEAR GRILLES, SEE SCHEDULE FOR SIZE AND TYPE, RETURN AIR GRILLE TO MATCH LENGTH OF ARCHITECTURAL GRID, REFER TO ARCHITECTURAL DWGS FOR DETAILS.
3. EXISTING PERIMETER UNIT HEATER TO REMAIN AS IS, CONTRACTOR TO REPLACE DAMAGED GRILLE ENCLOSURE WITH SAME TYPE AND SIZE AS EXISTING PREVIOUSLY REMOVED, CLEAN UNIT AT PROJECT COMPLETION
4. PROVIDE NEW TEMPERATURE SENSOR AND CONNECT TO EXISTING BAS, (TYPICAL)
5. PROVIDE NEW FLEX DUCTWORK TO LINEAR SLOT DIFFUSER PLENUM, LENGTH OF FLEX DUCTWORK TO NOT EXCEED 1500 MM (5 FEET), SIZE AS SHOWN, REFER TO DETAILS, (TYPICAL)
6. OFFSET DUCTWORK AS REQUIRED TO SUIT EXISTING DUCT MAINS IN CEILING SPACE.

### NEW WORK GENERAL NOTES

1. MECHANICAL LAYOUTS AS SHOWN ON PLANS IS TO SHOW DESIGN INTENT INDICATE GENERAL LOCATIONS OF EQUIPMENT AND CONNECTING SERVICES, CONTRACTOR SHALL COORDINATE ROUTING AND ALL NECESSARY FITTINGS TO ACCOMMODATE THE SITE CONDITIONS AND TO MEET THE DESIGN INTENT.
2. VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID, THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS AND THAT ADDITIONAL COSTS ARE INCLUDED IN BID TO FACILITATE INSTALLATION, NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS, AND INTERFERENCES.
3. PROVIDE FOR ALL REQUIRED CUTTING AND PATCHING OF EXISTING CEILINGS AND WALLS TO FACILITATE THE INSTALLATION OF THE MECHANICAL SERVICES OUTLINED FOR THIS SCOPE OF WORK.
4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE AND ALL OTHER REGULATORY REQUIREMENTS
5. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN GUIDELINES, PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS AS REQUIRED FOR COMPLETE INSTALLATION.
6. COORDINATE MECHANICAL WORK WITH WORK OF OTHER TRADES PRIOR TO FABRICATION OR INSTALLATION, PROVIDE ALL FITTINGS, OFFSETS AND TRANSITIONS REQUIRED FOR COMPLETE WORKABLE INSTALLATION.
7. CONTRACTOR TO INCLUDE FOR TEMPORARY REMOVAL AND RE-INSTALLATION OF CEILING TILES AND GRID TO ALLOW FOR INSTALLATION OF NEW SERVICES, PROVIDE TEMPORARY SUPPORT FOR ALL EXISTING LIGHTING, DEVICES, AND CABLING WITHIN CORRIDOR CEILING SPACES.
8. CONTRACTOR TO CLEAN DUCTWORK AND DIFFUSERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION
9. CONTRACTOR TO CLEAN EXISTING PERIMETER UNIT HEATERS WITHIN SCOPE OF WORK AT PROJECT COMPLETION.
10. PROVIDE INSULATION AND PVC JACKETING PER SPECIFICATIONS AT EXISTING PIPING WHERE INSULATION IS DAMAGED
11. REFER TO ARCHITECTURAL DRAWINGS FOR FINAL LOCATION OF DIFFUSERS AND GRILLES
12. PROVIDE BALANCING DAMPERS ARE BRANCH TAKE OFFS FOR EACH DIFFUSER
13. PROVIDE ALL DUCT TRANSITIONS, FITTINGS TO SUIT INSTALLATION OF DUCTWORK, TAKE OFFS FOR DIFFUSERS AND GRILLES.
14. PROVIDE ACCESS PANELS WHERE REQUIRED



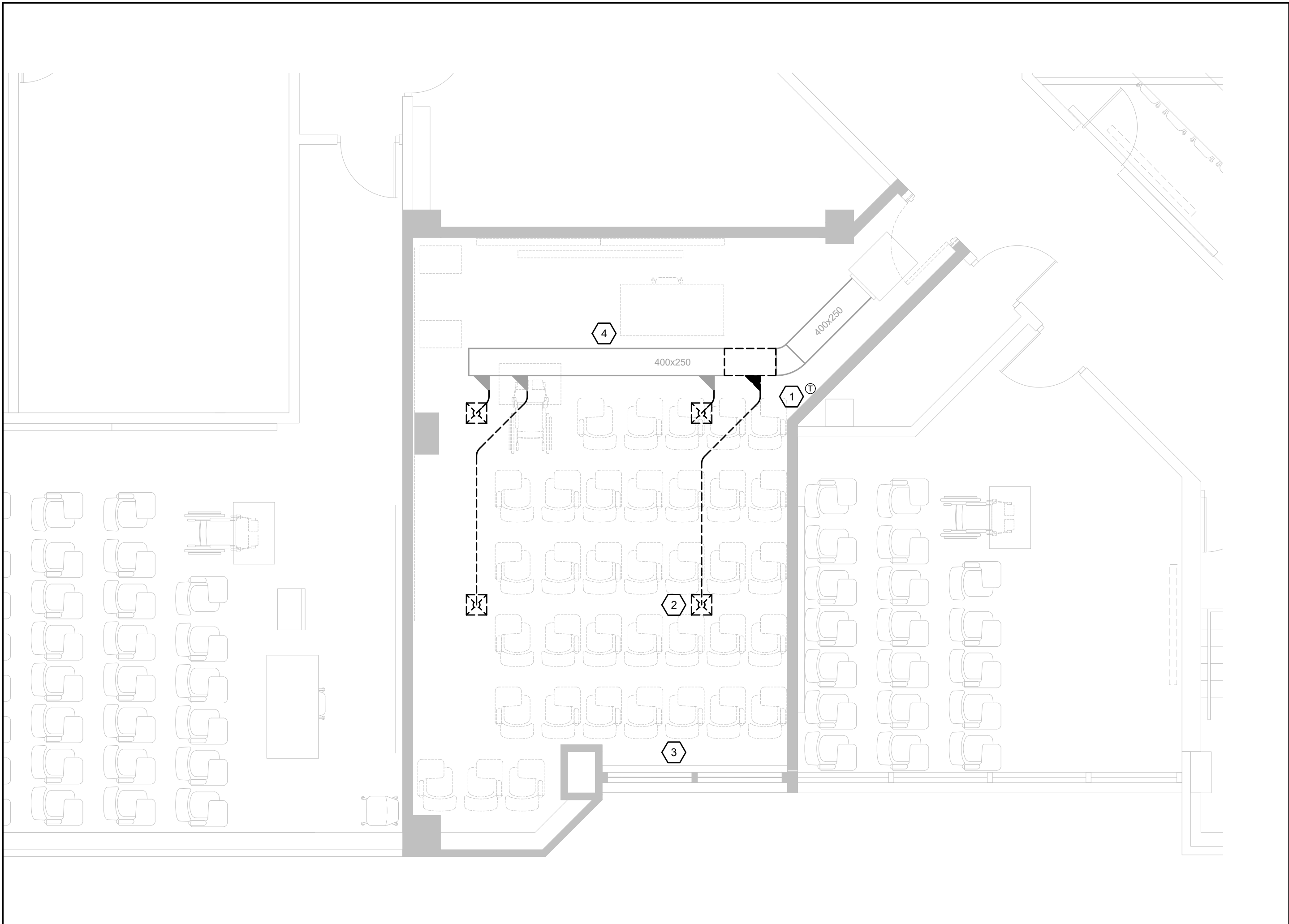
2 BETHUNE COLLEGE #323 - MECHANICAL NEW WORK PLAN  
SCALE: 1:50

### DEMOLITION NOTES

1. EXISTING THERMOSTAT TO BE REMOVED
2. EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED C/W ASSOCIATED FLEX DUCTWORK, CUT BACK AND CAP DUCTWORK AS NEEDED FOR RE-CONNECTION AT NEW WORK PHASE, (TYPICAL)
3. EXISTING PERIMETER RADIANT HEATER TO REMAIN AS IS
4. REMOVE AND CUTBACK EXISTING DUCTWORK AS SHOWN

### DEMOLITION GENERAL NOTES

1. CONTRACTOR TO CONFIRM AVAILABLE CEILING SPACE BEFORE COMMENCING DEMOLITION, REPORT FINDINGS TO OWNER/ENGINEER
2. ALL EXISTING MECHANICAL SERVICES SHOWN IN THIS DRAWING TO REMAIN UNLESS NOTED OTHERWISE
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5. CONTRACTOR TO ISOLATE RENOVATION AREA TO CONTROL AND CONTAIN ALL DUST AND DEBRIS WITHIN CONSTRUCTION AREA DURING DEMOLITION PHASE
6. CONTRACTOR TO ALLOW FOR THE REMOVAL OF ALL EXISTING CEILING DIFFUSERS AND GRILLES.



1 BETHUNE COLLEGE #323 - MECHANICAL DEMOLITION PLAN  
SCALE: 1:50

9.	2025.05.02	ISSUED FOR TENDER	I.I.
8.	2025.05.02	ISSUED FOR PERMIT	I.I.
7.	2025.04.22	ISSUED FOR COORDINATION	I.I.
6.	2023.05.01	ISSUED FOR COORDINATION	MH
5.	2023.05.01	ISSUED FOR 80%CD COSTING	MH
4.	2023.03.24	ISSUED FOR 40%CD	MH
3.	2023.02.10	ISSUED FOR 100%DD	MH
2.	2023.02.03	ISSUED FOR PROGRESS REVIEW	MH
1.	2022.11.30	ISSUED FOR CLIENT REVIEW	RH
#	DATE	REVISION	BY



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## YORK CLASSROOM RENEWAL Y3

York University, Keele Campus

## PHASE 2

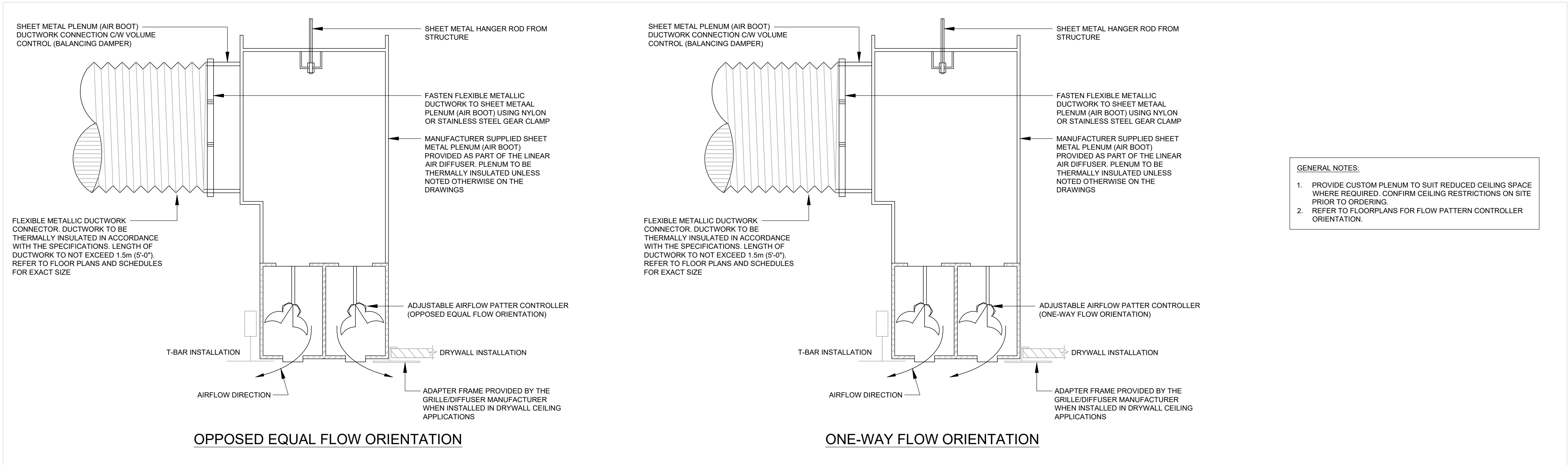
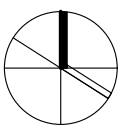
BUILDING NAME:  
**BETHUNE COLLEGE (BC)**  
BUILDING NUMBER:  
**393**  
CLASSROOM TYPE:  
**TRADITIONAL FLAT (TABLET)**  
CLASSROOM NUMBER:  
**323**

Scale: 1 : 50  
Drawn by: CW  
Reviewed by: BD/TWS  
Job number: ED-22-764  
Plot date: 2022.11.03

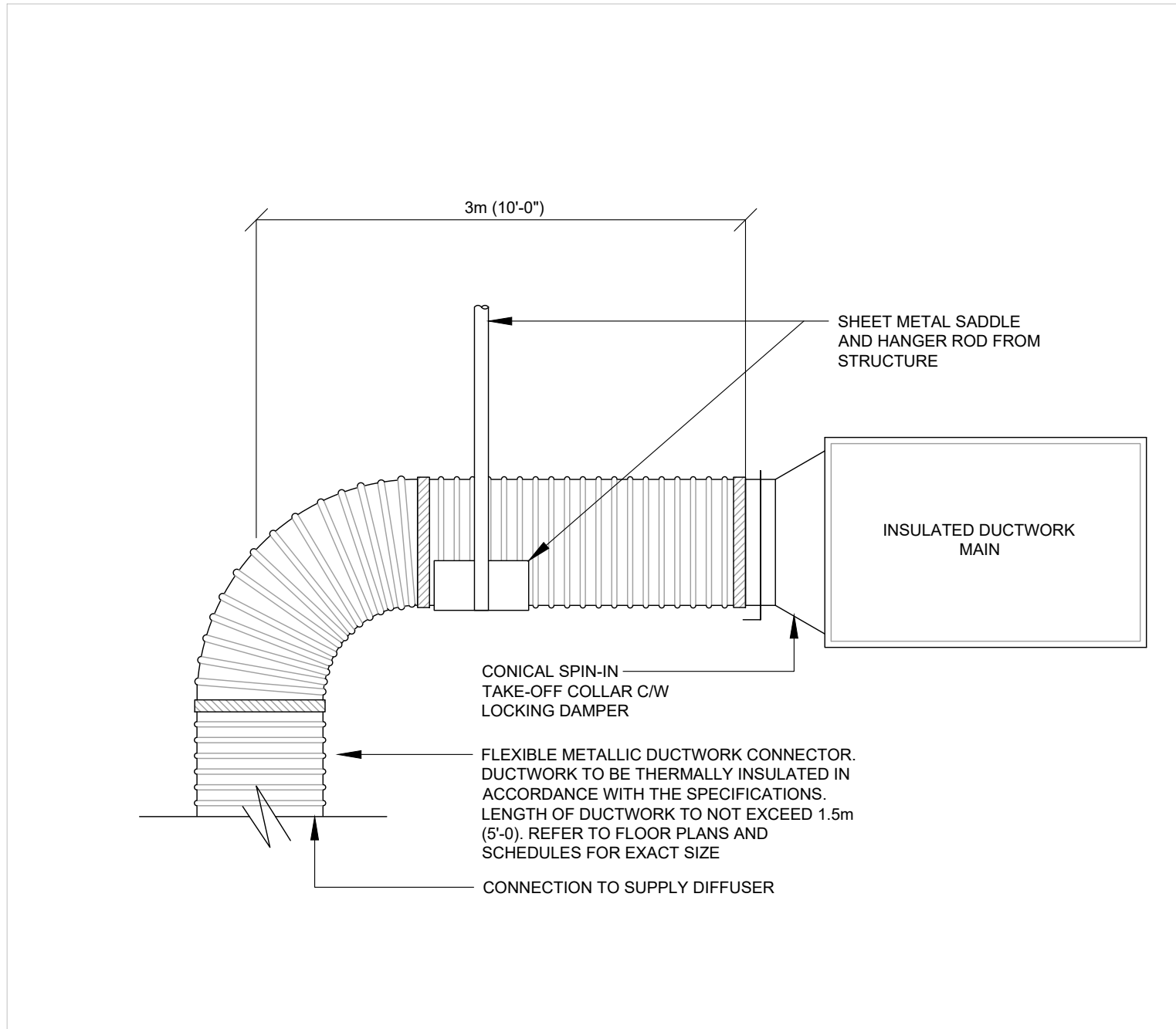
Drawing number:

**M393-323**

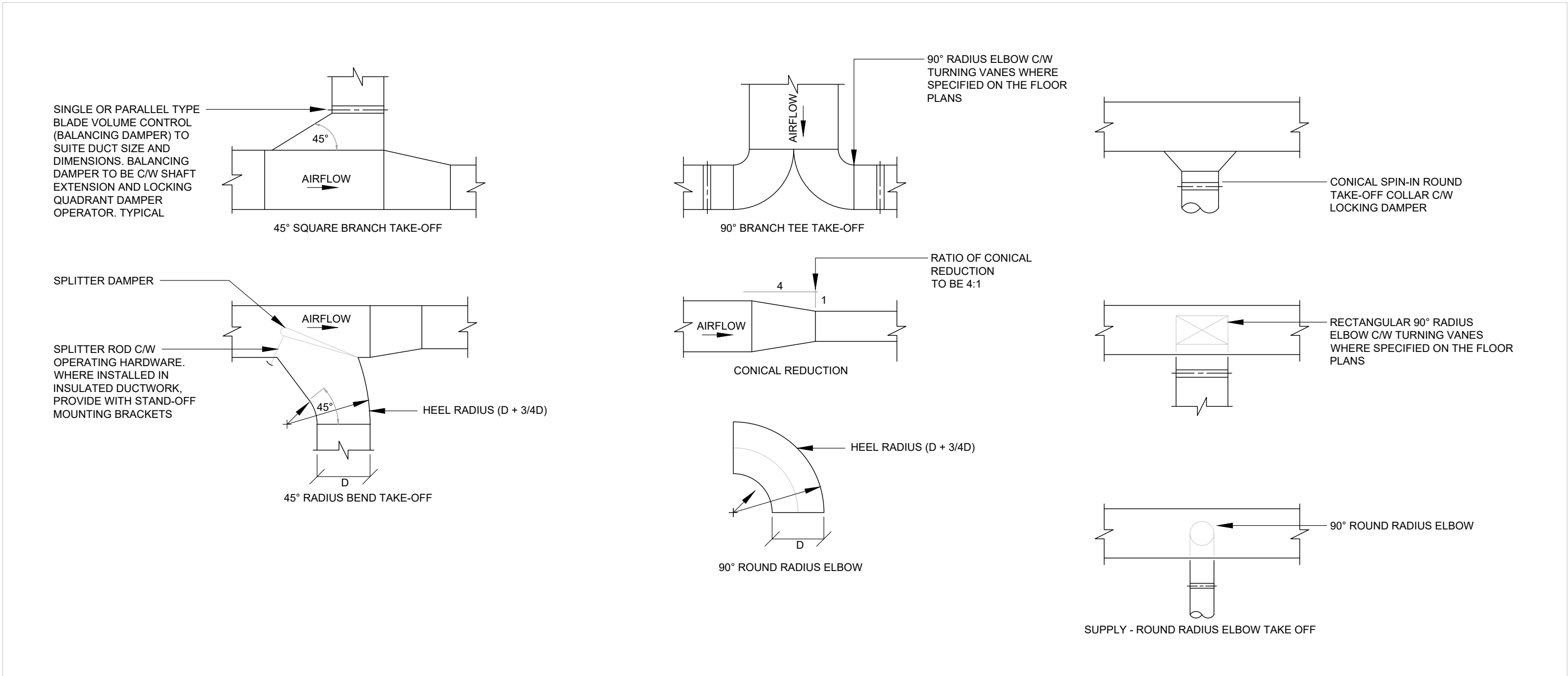




23 30 00.01 SUPPLY AIR LINEAR DIFFUSER (T-BAR CEILING)  
NOT TO SCALE



23 30 09.01 FLEXIBLE METALLIC DUCTWORK  
NOT TO SCALE



23 30 00.01 DUCTWORK FITTINGS & TAKE-OFF'S  
NOT TO SCALE

9.	2025.05.02	ISSUED FOR TENDER	I.I.
8.	2025.05.02	ISSUED FOR PERMIT	I.I.
7.	2025.04.22	ISSUED FOR COORDINATION	I.I.
6.	2023.05.01	ISSUED FOR COORDINATION	MH
5.	2023.05.01	ISSUED FOR 80%CD COSTING	MH
4.	2023.03.24	ISSUED FOR 40%CD	MH
3.	2023.02.10	ISSUED FOR 100%DD	MH
2.	2023.02.03	ISSUED FOR PROGRESS REVIEW	MH
1.	2022.11.30	ISSUED FOR CLIENT REVIEW	RH
#	DATE	REVISION	BY



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**YORK CLASSROOM  
RENEWAL Y3**  
York University, Keele Campus

**PHASE 2**

BUILDING NAME:

BUILDING NUMBER:

CLASSROOM TYPE:

CLASSROOM NUMBER:

**MECHANICAL DETAILS**

Scale: N.T.S.  
Drawn by: TP  
Reviewed by: MH  
Job number: ED-22-764  
Plot date: 2022.11.03

Drawing number:

**M400**