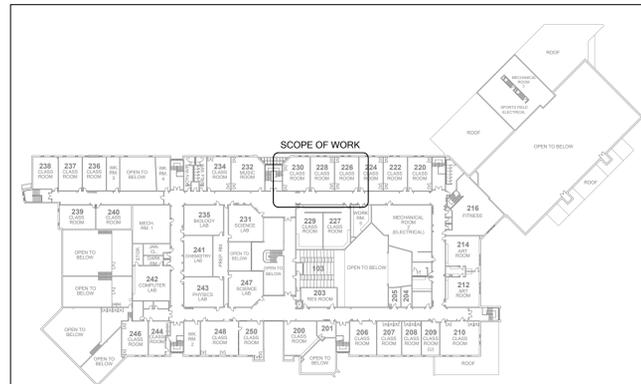


1 GROUND FLOOR KEY PLAN  
M1.0 Scale: 1:1000



2 SECOND FLOOR KEY PLAN  
M1.0 Scale: 1:1000

GENERAL NOTES

- CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTING BID TO VERIFY EXISTING CONDITIONS AND TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS INDICATED ON THE DRAWINGS. CONTRACTOR TO INCLUDE FOR ALL COSTS ASSOCIATED TO FACILITATE INSTALLATION. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS, AND INTERFERENCES.
- ENSURE THAT ALL NEW AND EXISTING EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE AND THAT ACCESS REQUIREMENTS ARE NOT OBSTRUCTED BY NEW OR EXISTING SERVICES. PROVIDE ACCESS DOORS/PANELS TO MATCH BASE BUILDING STANDARDS WHERE REQUIRED.
- PROVIDE ALL REQUIRED SCANNING, CORING/CUTTING AND PATCHING TO PERFORM THE SCOPE OF WORK AS OUTLINED IN THE DRAWINGS.
- WHERE INDICATED ON DRAWINGS, DISCONNECT AND REMOVE EXISTING MECHANICAL WORK, INCLUDING HANGERS, SUPPORTS, INSULATION, ETC. DISCONNECT AT POINT OF SUPPLY, REMOVE OBSOLETE CONNECTING SERVICES AND MAKE SYSTEM SAFE. CUT BACK OBSOLETE PIPING BEHIND FINISHES AND CAP WATER-TIGHT UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS TO BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL PIPING, DUCTWORK AND EQUIPMENT, AS SHOWN ON THE DEMOLITION PLAN.
- INSULATE ALL NEW PIPING, DUCTWORK AND ANY EXISTING PIPING AND DUCTWORK WHERE INSULATION HAS BEEN REMOVED OR DAMAGED BY THIS WORK. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENT.
- WHERE EXISTING MECHANICAL SERVICES EXTEND THROUGH, OR ARE IN AN AREA TO SERVE ITEMS WHICH ARE TO REMAIN, MAINTAIN SERVICES IN OPERATION, REPORT ANY DISCREPANCIES TO CONSULTANT PRIOR TO REMOVAL OF SERVICES.
- WHERE CONNECTING TO EXISTING SERVICES, CONTRACTOR TO MATCH ALL EXISTING PIPE/DUCT SIZES AND PROVIDE TRANSITIONS WHERE REQUIRED.
- NOT ALL EQUIPMENT CONNECTIONS ARE SHOWN. REFER TO MANUFACTURERS LITERATURE FOR ALL PIPING AND DUCTWORK CONNECTIONS.
- NEW DIGITAL/ELECTRONIC CONTROLS TO BE COMPATIBLE WITH EXISTING BAS ON SITE.
- CONTRACTOR TO FLUSH AND CLEAN ALL NEW WORK THOROUGHLY TO WHERE THE SYSTEMS CAN BE ISOLATED FOR THIS WORK AS PER THE SPECIFICATIONS PRIOR TO TIE IN TO THE EXISTING WORK/EQUIPMENT.
- ALL HVAC PIPING TO AND INCLUDING 50MMØ (2") SHALL BE SCREWED, PIPING 65MMØ (2.5")Ø AND OVER SHALL BE WELDED. REFER TO SPECIFICATIONS FOR DETAILS.
- CONTRACTOR TO REVIEW GROUNDING AND PIPING SUPPORTS FOR EXISTING GAS PIPING. PROVIDE NEW AS REQUIRED TO MEET CURRENT CODE REQUIREMENT.
- APPLY FOR, OBTAIN, AND PAY FOR ALL PERMITS, FEES AND SERVICE CONNECTIONS FOR THE WORK AND THE INSPECTIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION IN THE AREA WHERE THE WORK WILL TAKE PLACE, INCLUDING TSSA AND ESA. HAVE THE WORK INSPECTED AND CERTIFIED BY FS [FUEL SAFETY REG.] BRANCH OF TSSA.
- CONTRACTOR TO PROVIDE FIRESTOP FOR ALL EXISTING PIPE AND DUCT PENETRATIONS THROUGH FIRE RATED WALL WHERE MISSING IN BOILER ROOM AND FAN ROOMS AS PER SPECIFICATIONS.
- COORDINATE ALL TEMPORARY SHUT DOWNS WITH THE SCHOOL BOARD. PROVIDE ISOLATION VALVES AS REQUIRED.
- SURVEY ALL AFFILIATED WORK AREAS AND REPORT ANOMALIES AND DISCREPANCIES TO CONSULTANT.
- PIPE FREEZING MAY BE USED TO CONNECT NEW PIPING TO EXISTING WITHOUT DRAINING EXISTING PIPING.
- CONTRACTOR TO NOTIFY ENGINEER PRIOR TO THE INSTALLATION OF ANY WALLS AND/OR CEILINGS, OR THE BACKFILL OF ANY DRAINAGE TRENCHES THAT WILL CONCEAL MECHANICAL SERVICES TO SCHEDULE AN INSPECTION. CONTRACTOR TO NOTIFY ENGINEER A MINIMUM OF 3 BUSINESS DAYS IN ADVANCE TO SCHEDULE THE INSPECTION.

MECHANICAL DRAWING LIST

DRAWING NO.	DRAWING NAME
M1.0	DRAWING LIST, SYMBOL LIST, NOTES, SCHEDULES, DETAILS
M2.1	GROUND & SECOND FLOOR DEMOLITION - HVAC
M2.2	GROUND & SECOND FLOOR DEMOLITION - PLUMBING & FIRE PROTECTION
M3.1	GROUND & SECOND FLOOR NEW WORK - HVAC
M3.2	GROUND FLOOR NEW WORK - PLUMBING
M3.3	GROUND & SECOND FLOOR DEMOLITION & NEW WORK - FIRE PROTECTION
M3.4	PARTIAL MECHANICAL ROOM FLOOR PLANS & ROOF PLAN
M3.5	ROOF PLAN NEW WORK - PLUMBING
M4.1	CONTROLS DIAGRAMS
M5.1	EQUIPMENT SCHEDULES
M6.1	DETAILS 1
M6.2	DETAILS 2
M6.3	DETAILS 3

GREASE TRAP (GI-1) SIZING & SPECIFICATION

(OBC 7.4.4.3.(8))

TRIPLE COMPARTMENT SINK  
SIZE: 18" x 21" x 13" DEEP x3 BOWLS  
VOLUME: 14742 CU.IN. (64 USG)

TRIPLE COMPARTMENT RINSE SINK FLOW RATE  
64 USG x 0.75 / 120 SEC = 24 GPM

DISHWASHER = 5 GPM

SOILED DISH TABLE SINGLE COMPARTMENT SINK  
SIZE: 17" x 17" x 13" DEEP  
VOLUME: 3757 CU.IN. (16 USG)

VEGETABLE SINK FLOW RATE  
16 USG x 0.75 / 120 SEC = 6 GPM

TOTAL = 35 GPM

WATTS GREASE TRAP WD-150, 50 GPM, 100 LBS GREASE CAPACITY

PLUMBING GENERAL NOTES

- DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER PIPING CERTIFIED TO ASTM B42, PRESSURE TEST ALL JOINTS IN ACCORDANCE WITH LOCAL CODES PRIOR TO APPLYING INSULATION. INSULATION SHALL BE EQUAL TO JOHNS-MANVILLE "MICRO LOK" RIGID, MOULDED, SECTIONAL FIBERGLASS PIPE INSULATION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ALL SANITARY DRAINS AND MAIN VENT STACKS SHALL BE CAST IRON (DWV) TO CAN/CSA B70. HARD TEMPERED COPPER (DWV) PERMITTED FOR SANITARY DRAINAGE PIPING UNDER 3". PVC DRAINAGE PIPING IS NOT PERMITTED UNLESS SPECIFICALLY NOTED IN THE DRAWINGS AND SPECIFICATIONS.
- UNDERGROUND DRAINAGE PIPING SHALL BE PVC DR35 RIGID SEWER PIPING. REFER TO SPECIFICATIONS FOR ADDITIONAL INFO.
- PROVIDE BACKFLOW PREVENTORS TO ALL EQUIPMENT CONNECTIONS COMPLETE WITH DRAIN TO NEAREST HUB DRAIN. MOUNT BACKFLOW PREVENTORS IN ACCESSIBLE LOCATION A.F.F.
- PROVIDE TRAP SEAL PRIMER AND VENT FOR ALL FLOOR DRAINS AND HUB DRAINS.
- PROVIDE A MINIMUM CLEARANCE OF 2" AROUND ALL PIPES (INCLUDING INSULATION) THROUGH A PIPE SLEEVE. COORDINATE SIZING AND LOCATIONS WITH STRUCTURAL ENGINEER AND GENERAL TRADES.
- INCLUDE FOR ALL PIPING TESTING DURING INSTALLATION AS PER LOCAL CODES, INCLUDING BALL TESTS, PRESSURE TESTS, ETC.
- SUBMIT AS-BUILT DRAWINGS TO CONSULTANT OF ALL UNDERGROUND DRAINAGE AND VENT PIPING AT THE COMPLETION OF THE UNDERGROUND PIPING INSTALLATION.

FIRE PROTECTION GENERAL NOTES

- SPRINKLER CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING BID TO VERIFY EXISTING CONDITIONS AND TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS INDICATED ON THE DRAWINGS. CONTRACTOR TO INCLUDE FOR ALL COSTS ASSOCIATED TO FACILITATE INSTALLATION. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS, AND INTERFERENCES.
- ALL FIRE PROTECTION (SPRINKLER) SYSTEMS ARE TO BE HYDRAULICALLY CALCULATED, DESIGNED, AND SEALED BY A PROFESSIONAL ENGINEER BY THE FIRE PROTECTION CONTRACTOR, IN ACCORDANCE WITH NFPA 10, 13, & 14, ONTARIO BUILDING CODE AND FIRE CODE, AND AS PER THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION, INCLUDE 10% HYDRAULIC SAFETY FACTOR.
- CONTRACTOR TO SUBMIT HYDRAULIC CALCULATIONS AND SPRINKLER DRAWINGS TO CONSULTANT FOR REVIEW AS A SHOP DRAWING AT THE START OF CONSTRUCTION.
- PROVIDE ALL REQUIRED CLOSEOUT DOCUMENTS TO ENGINEER FOR REVIEW AND RECORD, INCLUDING SPRINKLER TEST CERTIFICATE, NFPA CONFORMANCE LETTER STAMPED BY A PROFESSIONAL ENGINEER, ETC.
- REFER TO ARCHITECTURAL, INTERIOR DESIGN, MECHANICAL, ELECTRICAL, STRUCTURAL, ETC. DRAWINGS FOR ALL WALL AND STRUCTURE LOCATIONS AND REFLECTED CEILING PLANS FOR TYPES OF CEILINGS, LOCATIONS OF BULKHEADS, STRUCTURAL ELEMENTS, DUCTS, PIPES, LIGHTS, CEILING FIXTURES, AND OTHER SPECIAL FEATURE DETAILS.
- PROVIDE SPRINKLER PROTECTION BELOW ALL OBSTRUCTIONS OVER 1.2m (4FT) WIDE INCLUDING DUCTS, MECHANICAL PLATFORMS, EQUIPMENT, ETC.
- COORDINATE SPRINKLER HEAD LAYOUT AND PIPING WITH ALL OTHER TRADES ON SITE.
- IN GENERAL, PROVIDE SPRINKLER HEADS CENTERED ON CEILING TILES.
- FIRE PROTECTION HEADS, PIPING AND ZONING ARE SHOWN FOR GENERAL COORDINATION ONLY. COORDINATE ACTUAL PIPING INSTALLATION WITH ALL TRADES AND CONSTRUCTION ASSEMBLIES FOR INTERFERENCES AND OBSTRUCTIONS.
- COORDINATE AND SUPPLY ALL ACCESS DOORS FOR VALVES AND EQUIPMENT ACCESS. COORDINATE FINAL LOCATION WITH THE REFLECTED CEILING PLAN AND INTERIOR DESIGNER.
- PROVIDE FIRE EXTINGUISHERS AS REQUIRED ACCORDING TO THE ONTARIO FIRE CODE AND AUTHORITY HAVING JURISDICTION.
- SPRINKLER CONTRACTOR TO REVIEW THE AREA OF WORK AND INCLUDE FOR THE REMOVAL OF ALL 1/2"Ø AND 3/4"Ø BRANCH PIPING AND REPLACING WITH BRANCH PIPING SIZED ACCORDING TO NFPA 13 REQUIREMENTS. ALL PIPING TO BE MINIMUM 1"Ø EXCEPT AS PERMITTED IN CHAP. 8.15 OF NFPA 13
- AT PROJECT COMPLETION AND PRIOR TO CLOSEOUT, SUBMIT NFPA CONFORMANCE LETTER STAMPED BY A PROFESSIONAL ENGINEER.
- SPRINKLER CONTRACTOR TO INCLUDE IN PRICING FOR THE REMOVAL OF ADDITIONAL FIVE (5) EXISTING HEADS AND ASSOCIATED PIPING, PLUS THE INSTALLATION OF ADDITIONAL FIVE (5) NEW HEADS C/W TEN (10) FEET OF PIPING, FOUR (4) ELBOWS, AND ASSOCIATED HANGERS, ETC. FOR EACH OF THE FIVE NEW HEADS.

CONTROLS

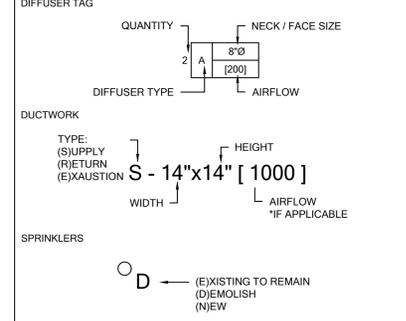
SYMBOL	DESCRIPTION
	FAN
	GRILLE (SUPPLY / RETURN / EXHAUST)
	MOTORIZED DAMPER
	CONTROL VALVE (2-WAY & 3-WAY)
	SENSORS (AIR OR WATER) (TEMPERATURE / HUMIDITY / CARBON DIOXIDE)
	CONTROL WIRING
(AI)	ANALOG INPUT
(AO)	ANALOG OUTPUT
(DI)	DIGITAL INPUT
(DO)	DIGITAL OUTPUT

DEMOLITION LEGEND

SYMBOL	DESCRIPTION
E	EXISTING TO REMAIN
D	DEMOLISH, REMOVE AND DISPOSE OF EQUIPMENT, DUCTWORK, SERVICES, ETC.
R	RELOCATE ITEM
	EXISTING TO REMAIN
	DEMOLISH OR RELOCATE
	NEW

TAGS

SYMBOL	DESCRIPTION
	EQUIPMENT TAG
	AIRFLOW DIRECTION
CTE	CONNECT TO EXISTING
(##)	FLOW IN L/S



DUCTWORK

SYMBOL	DESCRIPTION
	SUPPLY AIR DUCT UP & DOWN
	RETURN / EXHAUST AIR DUCT UP & DOWN
	ROUND DUCT UP & DOWN
	SQUARE ELBOW WITH TURNING VANES
	DUCTWORK FLEXIBLE CONNECTION
	1" THICK ACOUSTICALLY LINED DUCTWORK
	EXTERNALLY INSULATED DUCTWORK (REFER TO SPECIFICATIONS FOR THICKNESS)
	DUCT CONTINUATION (ROUND & RECTANGULAR)
	SUPPLY AIR DIFFUSER C/W FLEX DUCT & SPIN ON CONNECTION WITH BALANCING DAMPER
	SUPPLY / RETURN GRILLE
	RETURN / EXHAUST GRILLE
FD	FIRE DAMPER
SD	SMOKE DAMPER
	TEMPERATURE SENSOR
	SWITCH
	OCCUPANCY SENSOR
	VOC SENSOR
	CONTROL WIRING

MECHANICAL PIPING

SYMBOL	DESCRIPTION
	PIPE DOWN
	PIPE UP
	PIPE UP & DOWN
	VALVE
	BALANCING VALVE
	CHECK VALVE
	STRAINER
	PRESSURE REDUCING VALVE
	ELECTRONIC CONTROL VALVE (2-WAY & 3-WAY)
	PIPE CONTINUATION
CD	CONDENSATE DRAINAGE PIPING
G	NATURAL GAS PIPING
	FLOW DIRECTION
CP	CAPPED PIPE

PLUMBING AND DRAINAGE

SYMBOL	DESCRIPTION
	P-TRAP
	CLEAN OUT (FLOOR & CEILING)
FD	ROUND FLOOR DRAIN
HD	HUB DRAIN
	PIPE WYE CONNECTION
	PIPE 45° CONNECTION
	PIPE ELBOW
	PIPE TEE
	DOMESTIC COLD WATER (DCW) PIPING
	DOMESTIC HOT WATER (DHW) PIPING
SAN	SANITARY DRAINAGE (SAN) PIPING
	VENT PIPING
	DOMESTIC HOT WATER RECIRC. (DHWRC) PIPING

FIRE PROTECTION

SYMBOL	DESCRIPTION
	SEMI RECESSED SPRINKLER HEAD
	FIRE EXTINGUISHER C/W WALL BRACKET



NO.	ISSUED FOR	DATE
2	ISSUED FOR TENDER	26.02.18
1	ISSUED FOR BUILDING PERMIT	26.02.08
	DESCRIPTION	DATE

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NOTRE DAME CSS - COSMO & CULINARY INTERIOR RENOVATION

2333 HEADON FOREST DR. BURLINGTON, ON L7M 3G6

LEGAL DESCRIPTION

PART OF LOT 14, CONGRESSION 1

CITY OF BURLINGTON, REGIONAL MUNICIPALITY OF HALTON



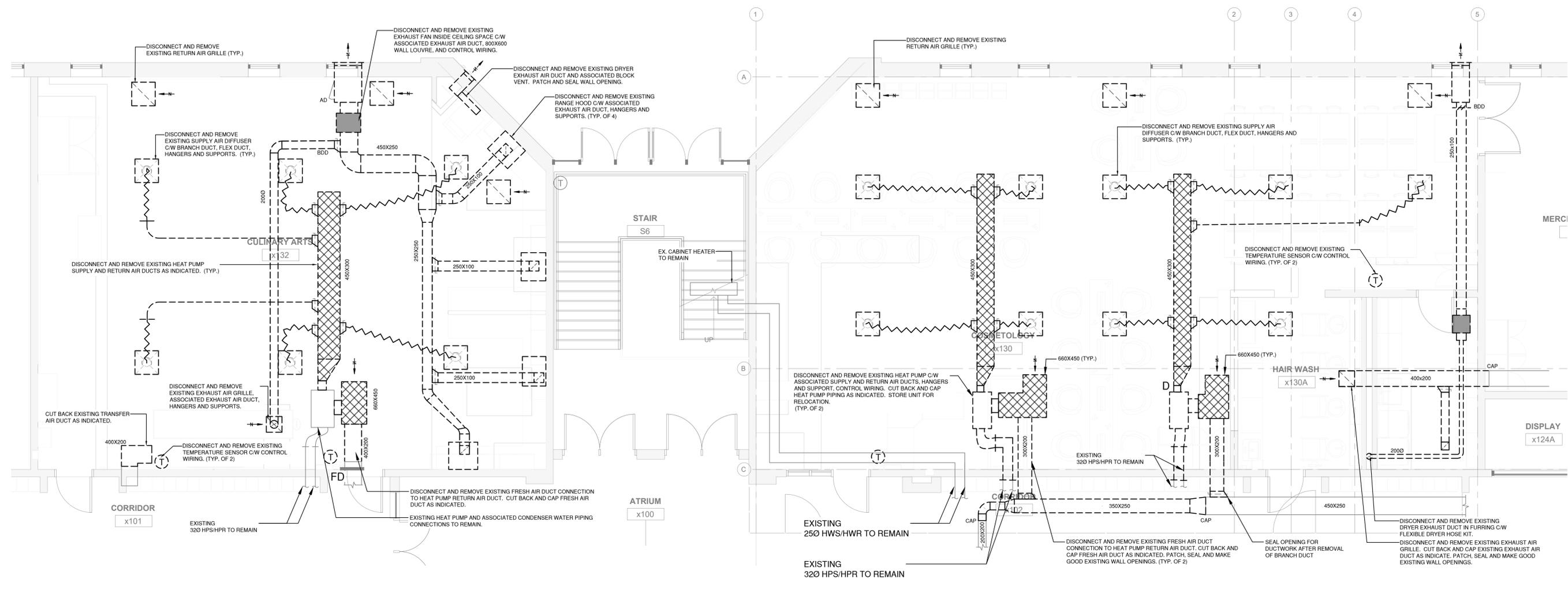
802 DURIURY LANE, (905) 632-6300 BURLINGTON ON L7R 2Y2. AtrahamC@notsb.org



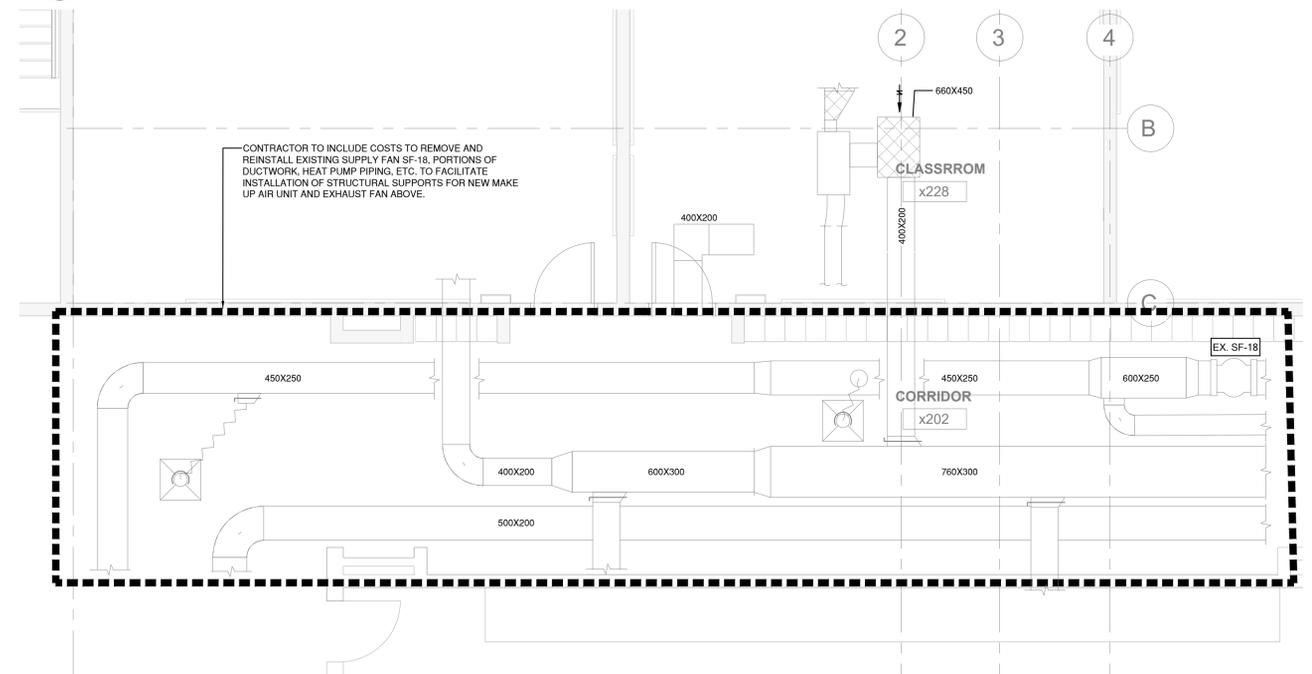
RDZ ENGINEERS LTD 17A - 30 Pennsylvania Avenue Vaughan, Ontario L4K 4A5 email: info@rdzeng.ca

DRAWING LIST, SYMBOL LIST, NOTES, SCHEDULES, DETAILS

SCALE	PROJECT
1:50	25192
DATE	DRAWING
NOV 14, 2025	M1.0
DRAWN	CHECKED
J.A.Y.	V.K.



1 GROUND FLOOR DEMOLITION - HVAC  
M2.1 Scale: 1:50



2 SECOND FLOOR DEMOLITION - HVAC  
M2.1 Scale: 1:50

**GENERAL NOTES:**

- CONTRACTOR TO REMOVE ALL MECHANICAL AND PLUMBING EQUIPMENT AND SERVICES, INCLUDING DUCTWORK, DIFFUSERS, EQUIPMENT, HANGERS, PIPING, DHW TANKS, PLUMBING FIXTURES, ETC.
- REMOVE ALL PIPING AND PLUMBING FIXTURES COMPLETE. CUT BACK DOWN PIPING TO MAIN INCOMING SERVICE AND CAP AT MAIN. ALL SANITARY DRAINAGE PIPING TO BE CAPPED BELOW SLAB.



2	ISSUED FOR TENDER	26.02.18
1	ISSUED FOR BUILDING PERMIT	26.02.08
NO.	DESCRIPTION	DATE

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**NOTRE DAME CSS - COSMETO & CULINARY INTERIOR RENOVATION**

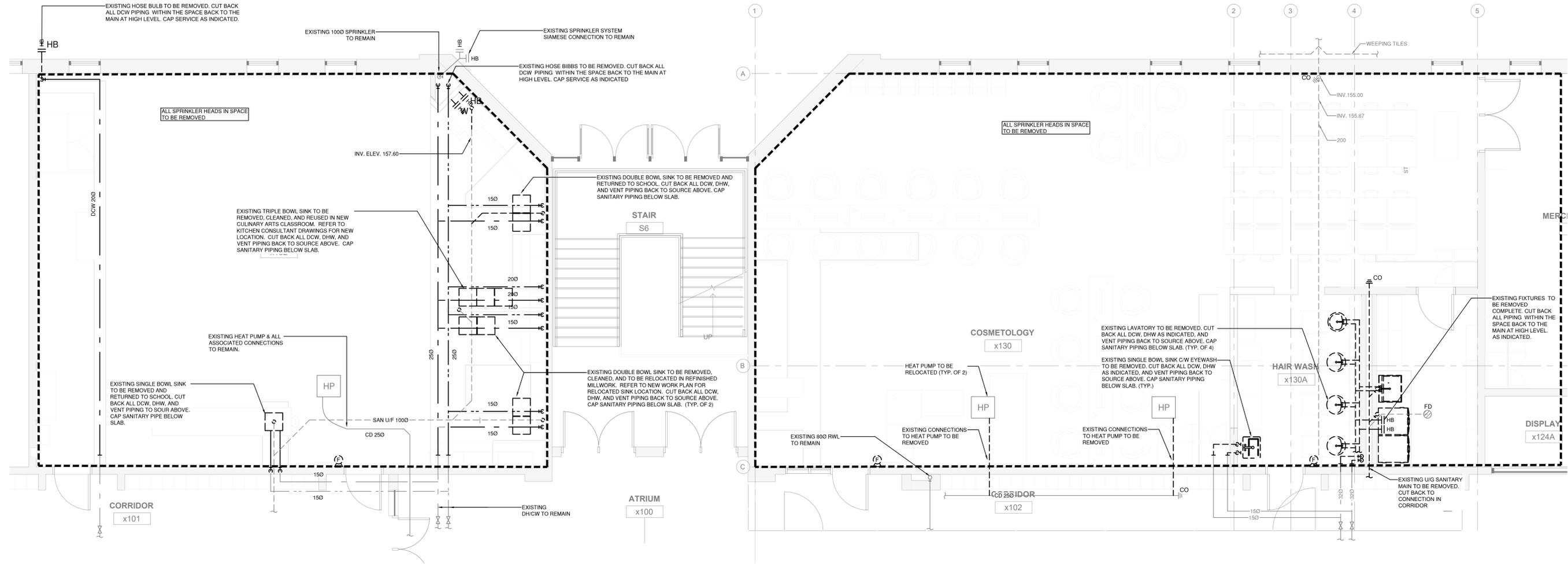
2333 HEADON FOREST DR  
BURLINGTON, ON L7M 3G6  
LEGAL DESCRIPTION  
PART OF LOT 14, CONCESSION 1  
CITY OF BURLINGTON,  
REGIONAL MUNICIPALITY OF HALTON



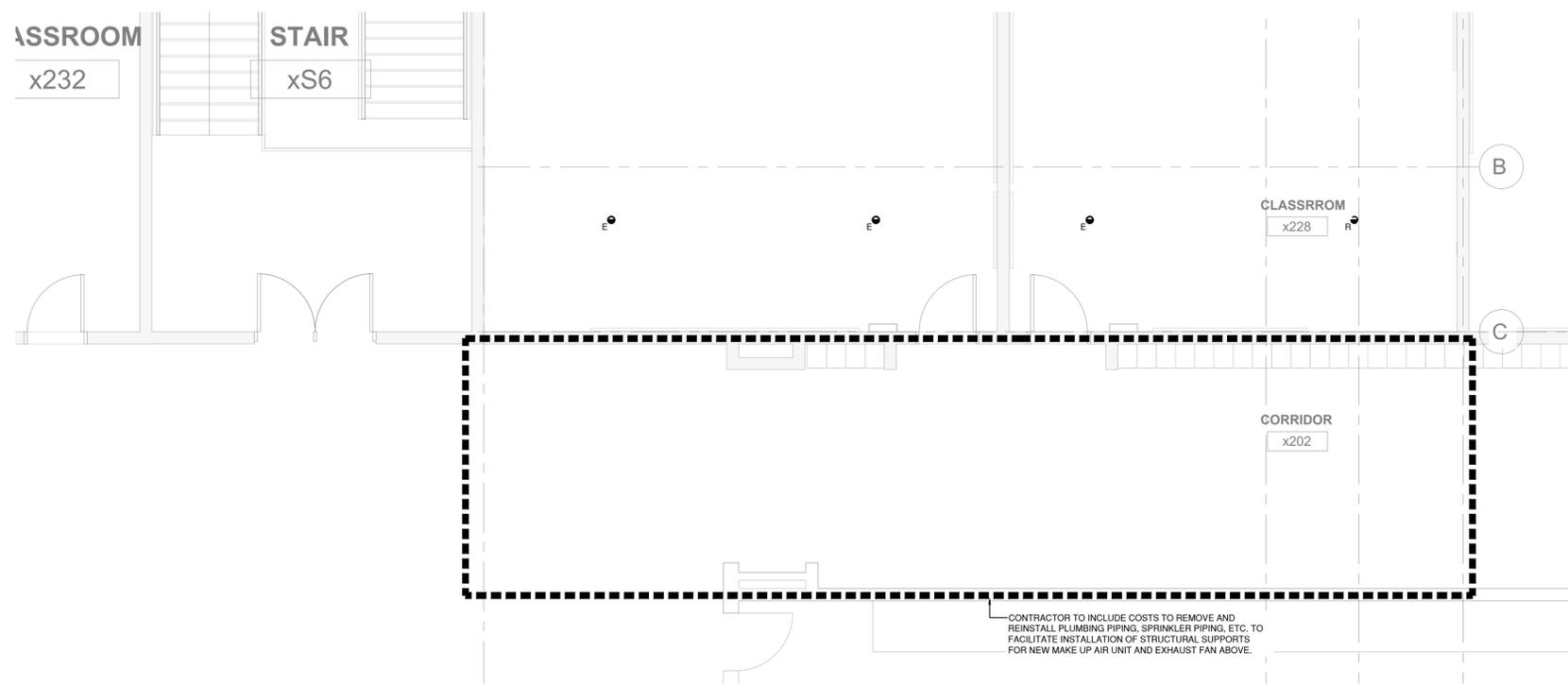
802 DURJURY LANE, (905) 632-6300  
BURLINGTON ON L7R 2Y2, [AbrahamC@ncsb.org](mailto:AbrahamC@ncsb.org)  
RDZ ENGINEERS LTD  
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Vaughan, Ontario L4K 4A5  
email: [info@rdzeng.ca](mailto:info@rdzeng.ca)

**GROUND & SECOND FLOOR DEMOLITION - HVAC**

SCALE	PROJECT
DATE	25192
DRAWN	NOV 14, 2025
CHECKED	J.A.Y.
	DRAWING
	M2.1
	V.K.



1 GROUND FLOOR DEMOLITION - PLUMBING & FIRE PROTECTION  
Scale: 1/50



2 SECOND FLOOR DEMOLITION - PLUMBING & FIRE PROTECTION  
Scale: 1/50

- GENERAL NOTES:**
- CONTRACTOR TO REMOVE ALL MECHANICAL AND PLUMBING EQUIPMENT AND SERVICES, INCLUDING DUCTWORK, DIFFUSERS, EQUIPMENT, HANGERS, PIPING, DHW TANKS, PLUMBING FIXTURES, ETC.
  - REMOVE ALL PIPING AND PLUMBING FIXTURES COMPLETE. CUT BACK DCW/DHW PIPING TO MAIN INCOMING SERVICE AND CAP AT MAIN. ALL SANITARY DRAINAGE PIPING TO BE CAPPED BELOW SLAB.



NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	26.02.18
1	ISSUED FOR BUILDING PERMIT	26.02.08

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**NOTRE DAME CSS - COSMO & CULINARY INTERIOR RENOVATION**  
2333 HEADON FOREST DR  
BURLINGTON, ON L7M 3X6  
LEGAL DESCRIPTION  
PART OF LOT 14, CONCESSION 1  
CITY OF BURLINGTON,  
REGIONAL MUNICIPALITY OF HALTON



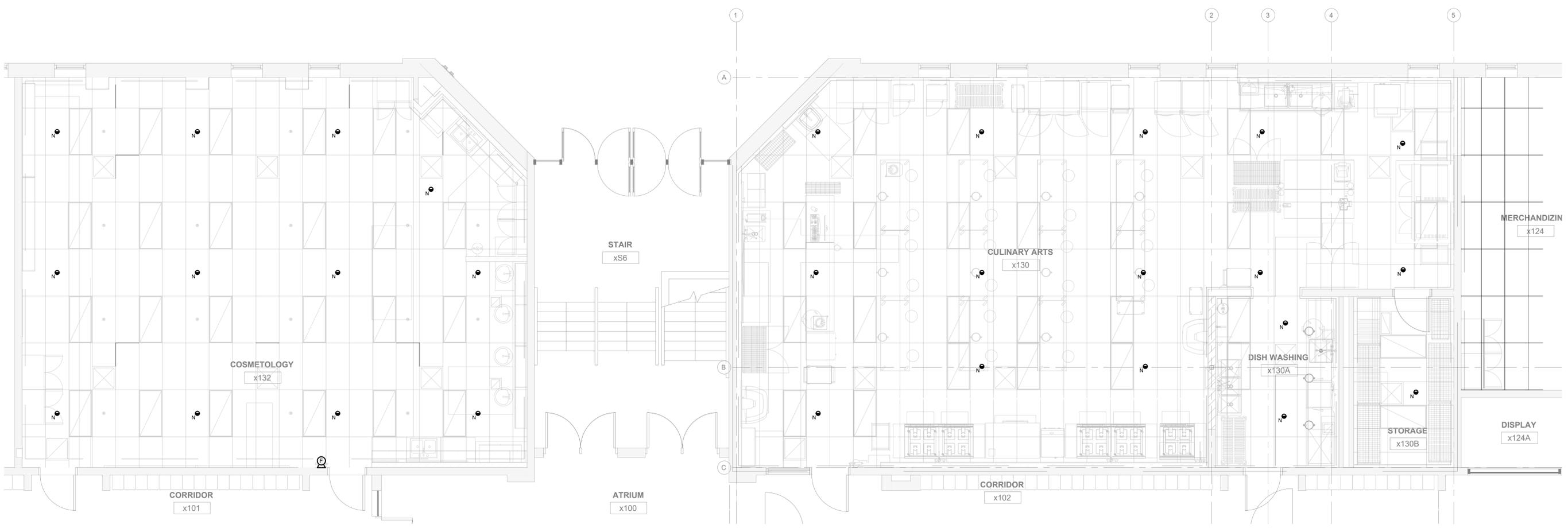
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Vaughan, Ontario L4K 4A5  
email: info@rdzeng.ca

**GROUND & SECOND FLOOR DEMOLITION - PLUMBING & FIRE PROTECTION**

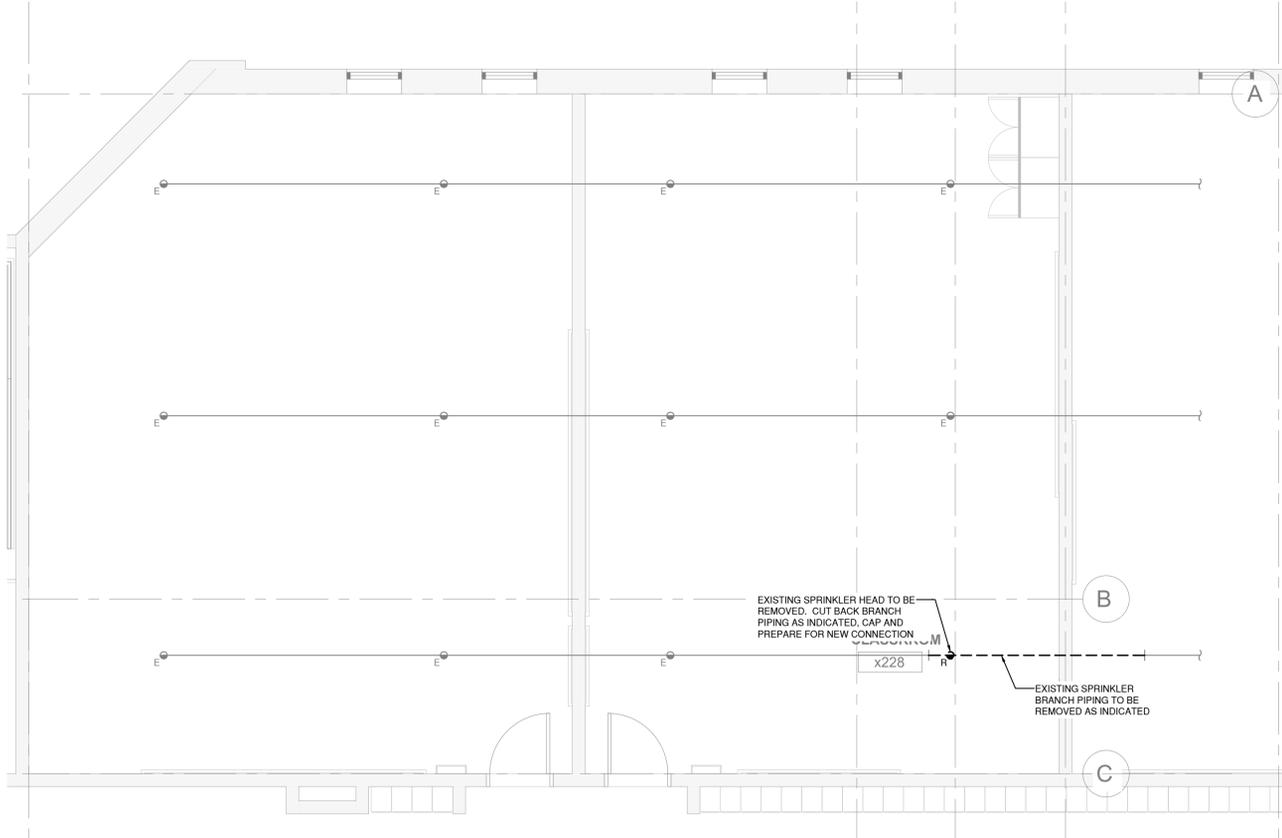
SCALE	PROJECT
1:50	25192
DATE	DRAWN
NOV 14, 2025	J.A.Y.
DRAWN	CHECKED
J.A.Y.	V.K.
CHECKED	<b>M2.2</b>



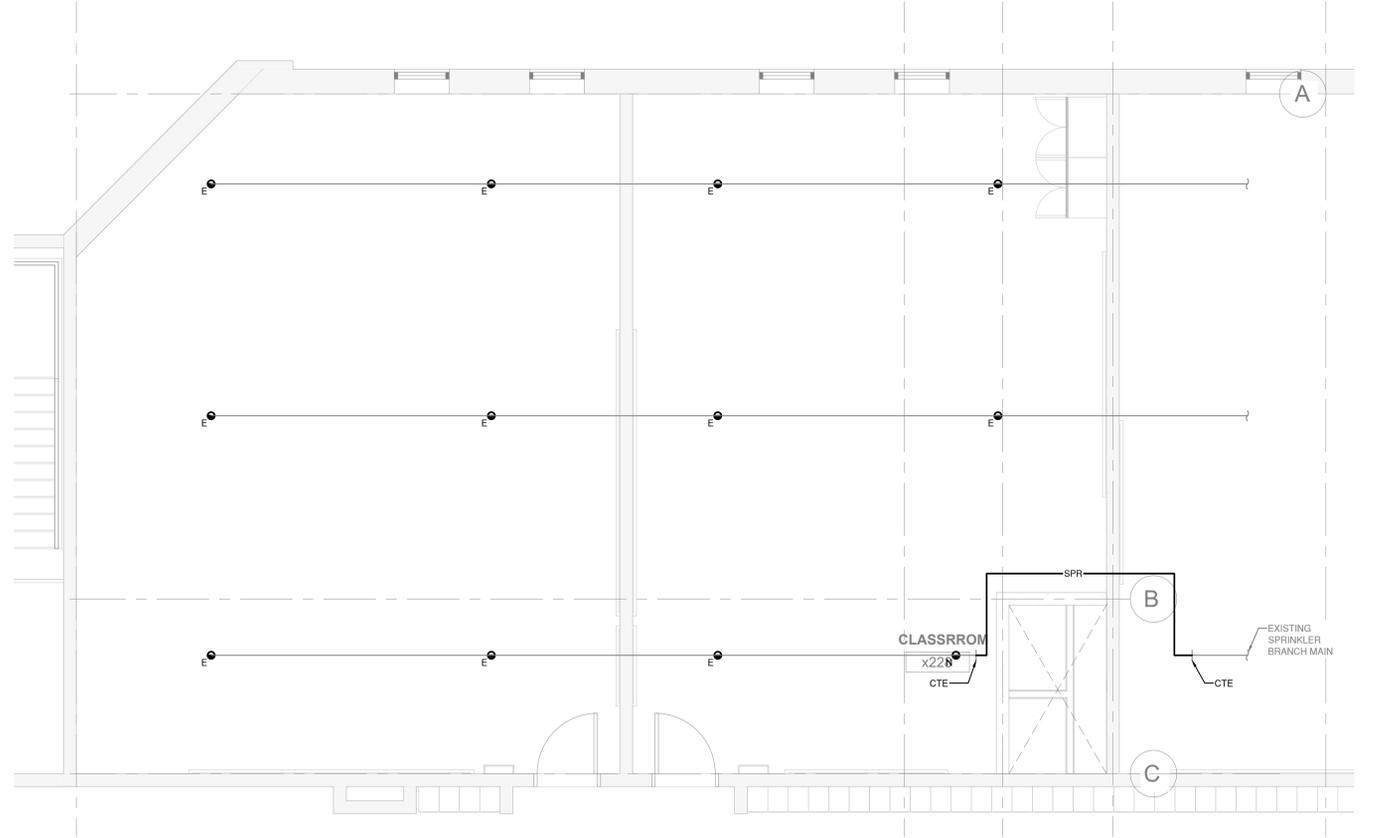




1 GROUND FLOOR NEW WORK - FIRE PROTECTION  
M3.3 Scale: 1:50



2 SECOND FLOOR DEMOLITION - FIRE PROTECTION  
M3.3 Scale: 1:50



3 SECOND FLOOR NEW WORK - FIRE PROTECTION  
M3.3 Scale: 1:50



NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	26.02.18
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NOTRE DAME CSS - COSMO & CULINARY INTERIOR RENOVATION

2333 HEADON FOREST DR  
BURLINGTON, ON L7M 3G6  
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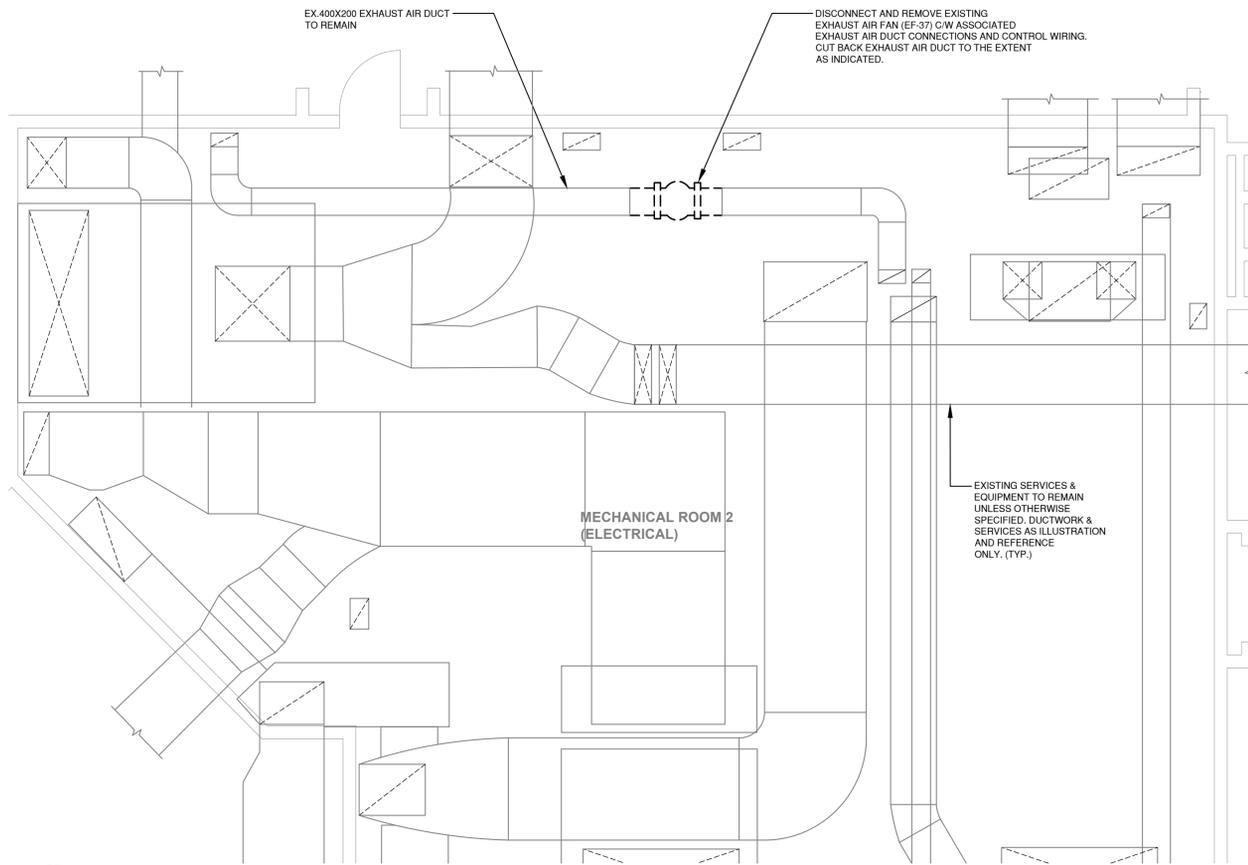


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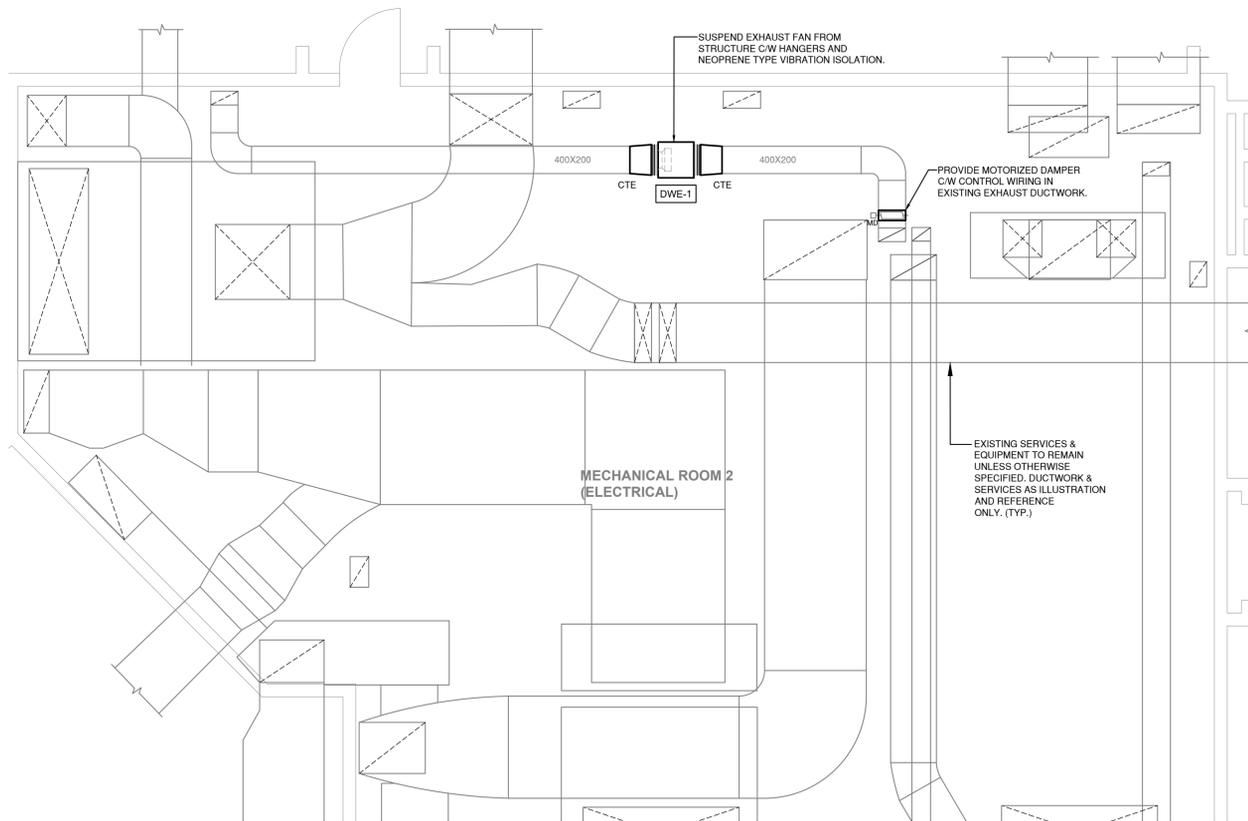
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Vaughan, Ontario L4K 4A5  
email: info@rdzeng.ca

GROUND & SECOND FLOOR DEMOLITION & NEW WORK - FIRE PROTECTION

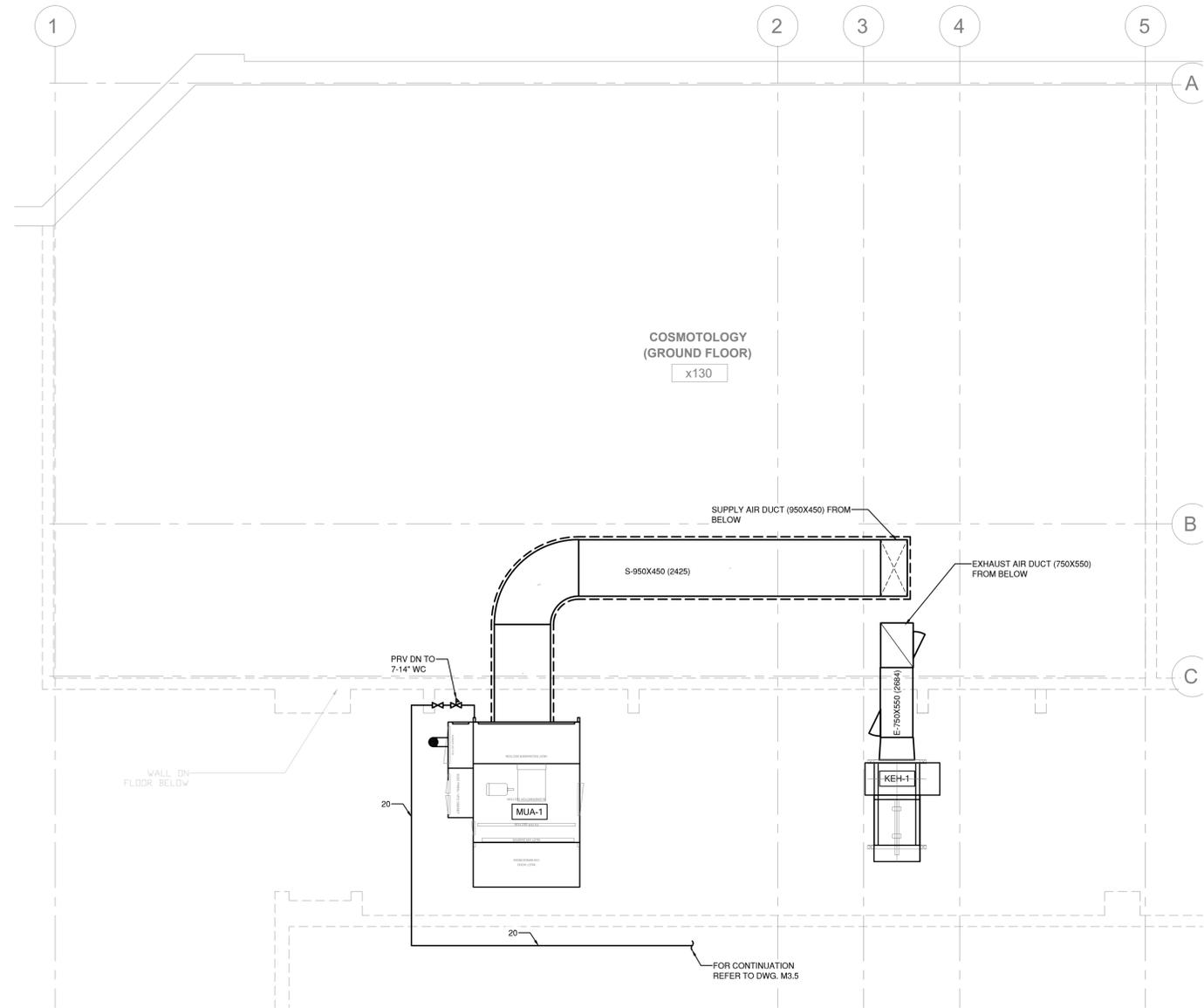
SCALE	PROJECT
1:50	25192
DATE	DRAWN
NOV 14, 2025	J.A.Y.
CHECKED	V.K.
	<b>M3.3</b>



**1**  
M3.4 MECHANICAL ROOM 2 - DEMONLITION  
Scale: 1:50



**2**  
M3.4 MECHANICAL ROOM 2 - NEW WORK  
Scale: 1:50



**3**  
M3.4 ROOF FLOOR - NEW WORK  
Scale: 1:50



NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	26.02.18
1	ISSUED FOR BUILDING PERMIT	26.02.08

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**NOTRE DAME CSS - COSMO & CULINARY INTERIOR RENOVATION**

2333 HEADON FOREST DR  
BURLINGTON, ON L7M 3X6

**LEGAL DESCRIPTION**  
PART OF LOT 14, CONCESSION 1

CITY OF BURLINGTON,  
REGIONAL MUNICIPALITY OF HALTON



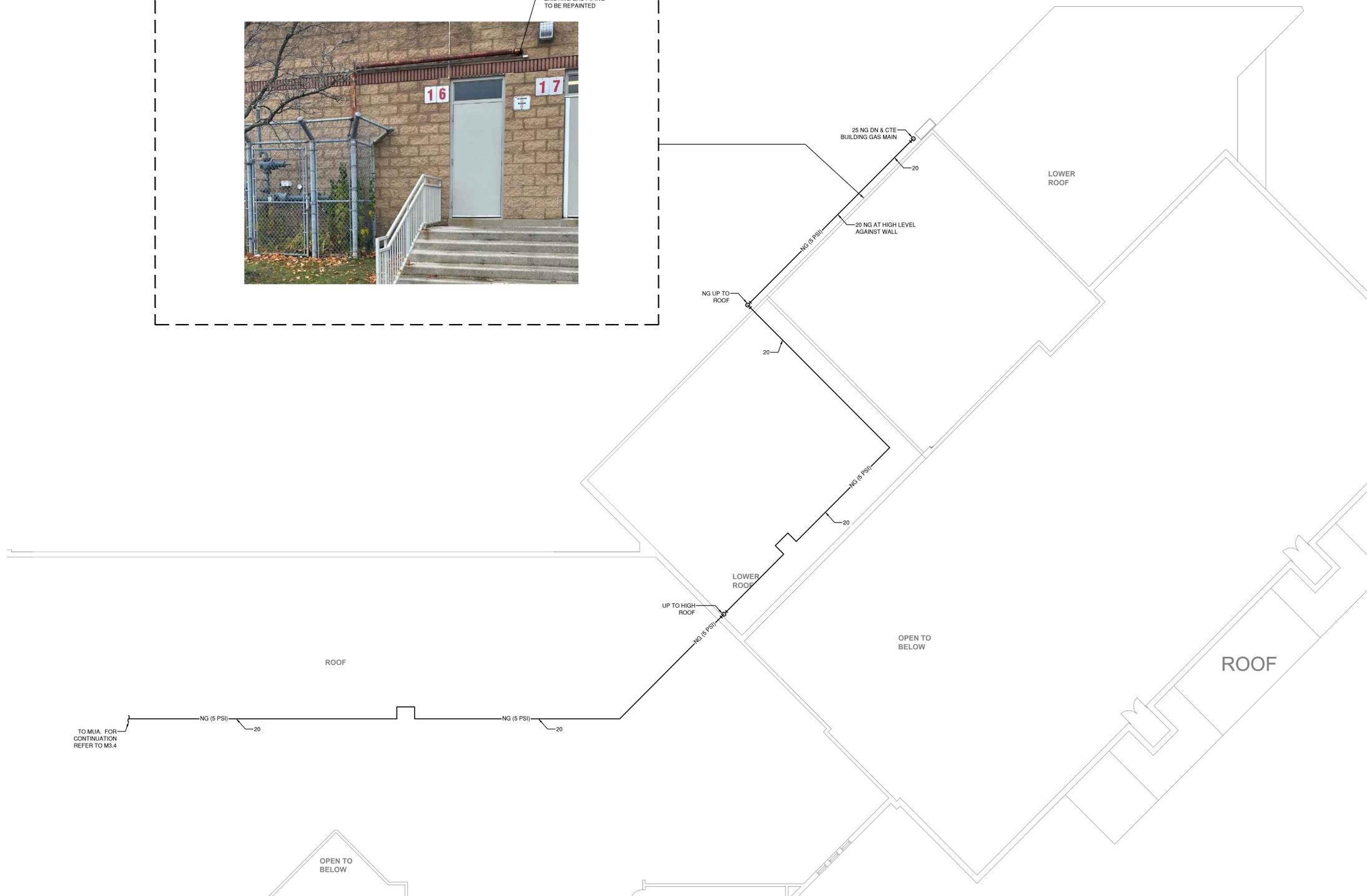
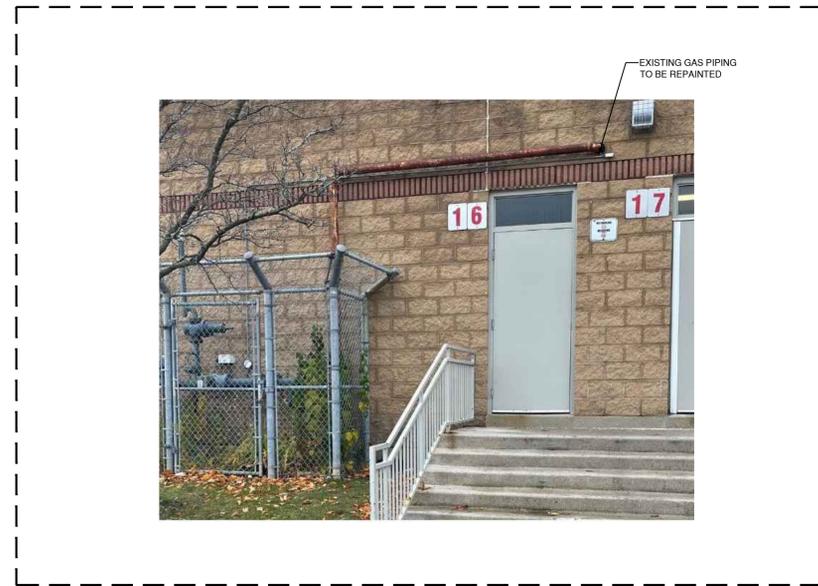
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BURLINGTON ON L7R 2Y2 - [AbrahamC@ncsb.org](mailto:AbrahamC@ncsb.org)



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email: [info@rdzeng.ca](mailto:info@rdzeng.ca)

**PARTIAL MECHANICAL ROOM FLOOR PLAN & ROOF PLAN**

SCALE	1:50	PROJECT	25192
DATE	NOV 14, 2025	DRAWN	J.A.Y.
DRAWN	J.A.Y.	CHECKED	V.K.
		<b>M3.4</b>	



2	ISSUED FOR TENDER	26.02.18
1	ISSUED FOR BUILDING PERMIT	25.02.08
NO.	DESCRIPTION	DATE

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**NOTRE DAME CSS - COSMO & CULINARY INTERIOR RENOVATION**

2333 HEADON FOREST DR  
BURLINGTON, ON L7M 3X6

**LEGAL DESCRIPTION**

PART OF LOT 14, CONCESSION 1  
CITY OF BURLINGTON,  
REGIONAL MUNICIPALITY OF HALTON



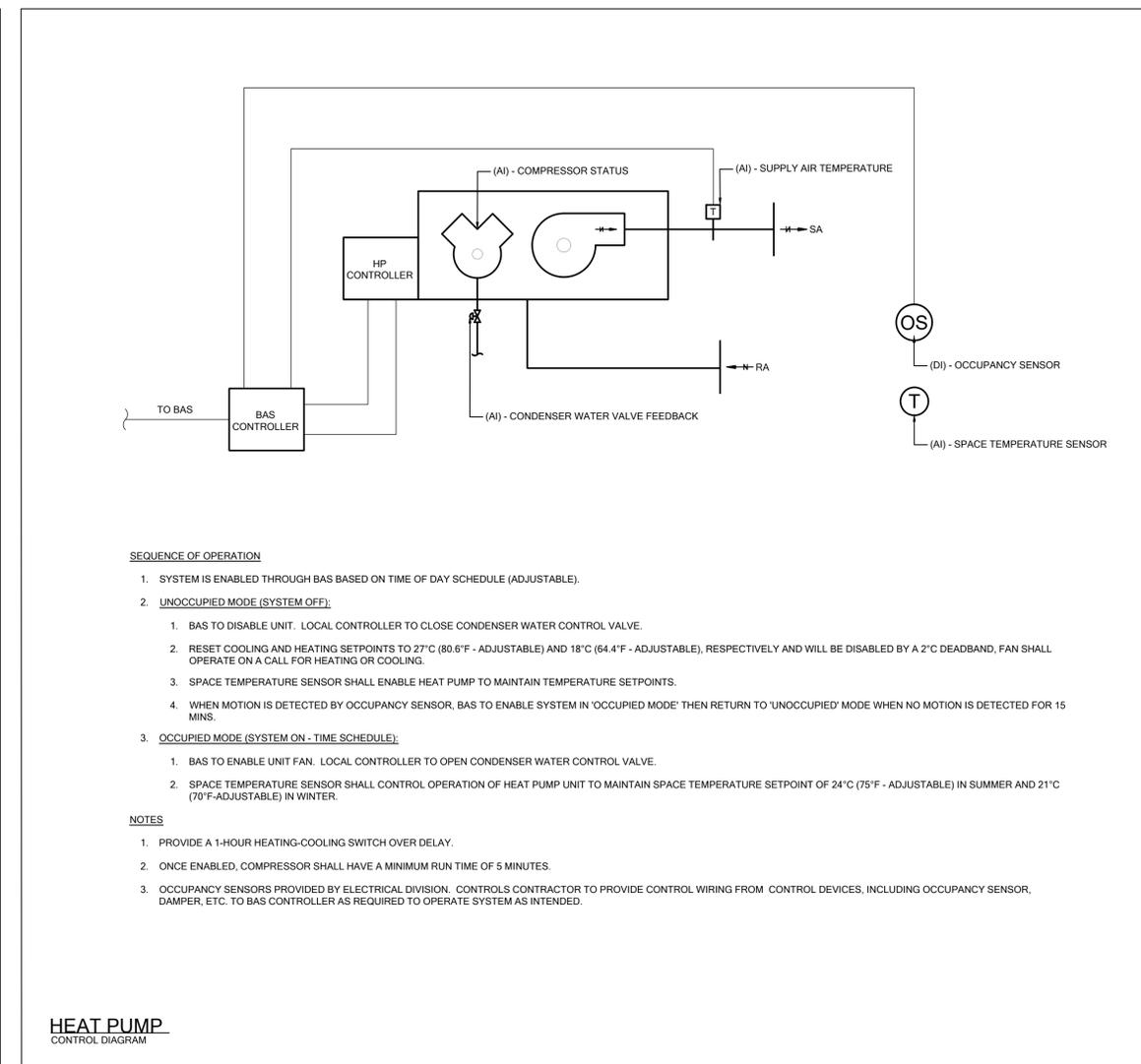
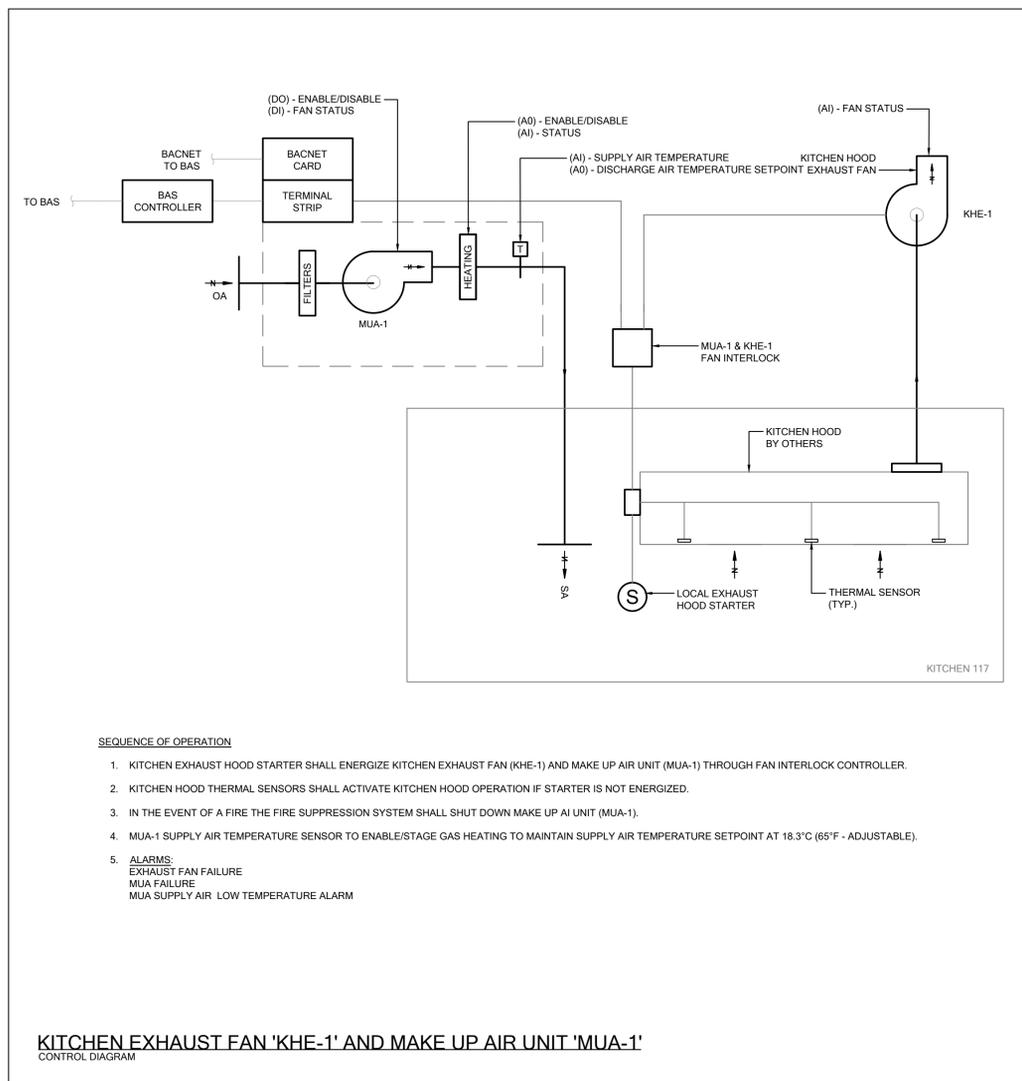
802 DURRURY LANE, (905) 632-6300  
BURLINGTON ON L7R 2Y2    [AbrahamC@ncsb.org](mailto:AbrahamC@ncsb.org)



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Vaughan, Ontario L4K 4A5  
email: [info@rdzeng.ca](mailto:info@rdzeng.ca)

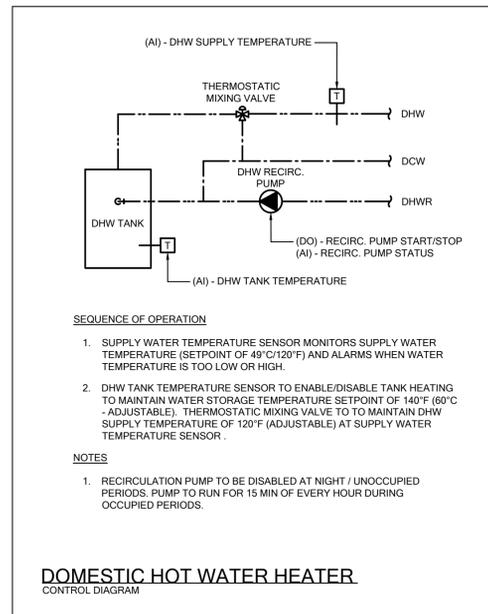
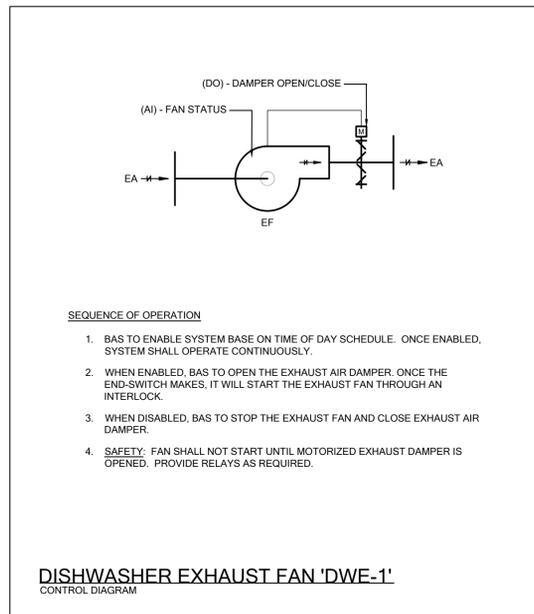
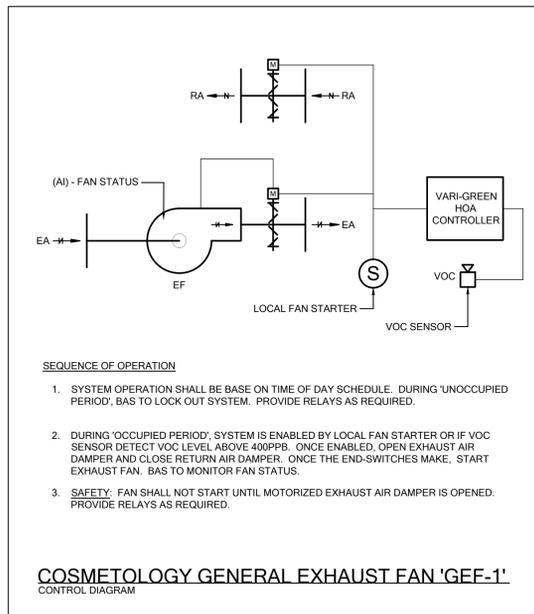
**ROOF PLAN  
NEW WORK -  
PLUMBING**

SCALE	1:50	PROJECT	25192
DATE	NOV 14, 2025	DRAWN	J.A.Y.
DRAWN	J.A.Y.	CHECKED	V.K.
CHECKED	V.K.	DRAWING	<b>M3.5</b>



**GENERAL CONTROL NOTES**

- THE BASE BUILDING CONTROL SYSTEM IS SIEMENS BUILDING TECHNOLOGIES INC. ALL CONTROL WORK FOR THIS PROJECT SHALL BE PERFORMED BY THE BASE BUILDING CONTROLS CONTRACTOR.
- REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF JUNCTION BOXES PROVIDED BY THE ELECTRICAL TRADE, FOR THE PROVISION OF POWER TO CONTROLS SYSTEMS.
- ALL CONTROL WIRING IN AREAS WITH EXPOSED CEILINGS SHALL BE PROVIDED IN CONDUIT.
- RENAME ALL NEW EQUIPMENT (E.G. MAKE UP AIR UNIT, EXHAUST FANS) CONTROL POINTS ON BAS TO SUIT NEW CONSTRUCTION AS INDICATED ON DOCUMENTS.
- ALL CONTROL EQUIPMENT, INSTRUMENTATION, AND STRATEGIES TO BE PROVIDED AS PER THE LATEST SCHOOL BOARD CONTROL DESIGN STANDARDS.
- COORDINATE FINAL INSTALLATION POSITION (INCLUDING HEIGHT A.F.F.) OF EACH TEMPERATURE SENSOR, THERMOSTAT, OCCUPANCY SENSOR, FAN CONTROLLER, AND ALL OTHER CONTROLS RELATED DEVICES THAT ARE LOCATED ON WALLS, CEILINGS, FLOORS, ETC. IN ALL AREAS (EXCLUDING SERVICE AREAS) WITH ARCHITECT AND GENERAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.



NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	26/02/18
1	ISSUED FOR BUILDING PERMIT	26/02/08

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**NOTRE DAME CSS - COSMO & CULINARY INTERIOR RENOVATION**  
 2333 HEADON FOREST DR  
 BURLINGTON, ON L7M 3G8  
 LEGAL DESCRIPTION  
 PART OF LOT 14, CONGRESSION 1  
 CITY OF BURLINGTON,  
 REGIONAL MUNICIPALITY OF HALTON



**RDZ ENGINEERS LTD**  
 17A - 30 Pennsylvania Avenue  
 Vaughan, Ontario L4K 4A5  
 email: info@rdzeng.ca

**CONTROLS DIAGRAMS**

SCALE	1:50	PROJECT	25192
DATE	NOV 14, 2025	DRAWING	M4.1
DRAWN N.T.S.	J.A.Y.	CHECKED	V.K.



SCHEDULE OF GAS FIRED MAKE UP AIR UNIT

Table with columns: TAG, MANUFACTURER, MODEL, LOCATION, AREA SERVED, WEIGHT, DIMENSIONS (WIDTH, LENGTH, HEIGHT), CURB HEIGHT, DESIGN AIRFLOW, OUTDOOR AIR, AIR FILTRATION, HEATING (FUEL TYPE, PRESSURE, TURNDOWN, INPUT, OUTPUT, EAT, LAT, OAT), SUPPLY FAN (AIRFLOW, ESP, TSP, FAN RPM, BHP, MOTOR HP, VFD), ELECTRICAL (MCA, MOC, POWER), EMERGENCY POWER, REMARKS.

- NOTES
1. UNIT SHALL BE COMPLETE WITH A SINGLE POINT POWER CONNECTION
2. FAN SHALL BE COMPLETE WITH INTERNAL VIBRATION ISOLATION SPRINGS AND FLEXIBLE CONNECTIONS.
3. FAN MOTORS FOR UNIT IDENTIFIED WITH "VFD" SHALL BE PREMIUM EFFICIENCY INVERTER DUTY RATED.
4. UNIT SHALL BE IN COMPLIANCE WITH ASHRAE STANDARD 90.1 EFFICIENCY REQUIREMENTS.
5. UNIT PROVIDED WITH CENCON CONTROLLER WITH BAS RESET.
6. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

KITCHEN EQUIPMENT MINIMUM PLUMBING CONNECTIONS

Table with columns: ITEM DESCRIPTION, WASTE, VENT, CW, HW, GAS, REMARKS. Includes rows for SINK, WALL MOUNTED HAND SINK, DOUBLE COMPARTMENT SOILED DISH SINK, COMMERCIAL DISHWASHER, TRIPLE COMPARTMENT FOOD PREP SINK, FLOOR DRAIN.

- NOTES
1. CONNECT FIXTURES AND FITTINGS WITH MINIMUM PIPE SIZE AS INDICATED IN THE ABOVE SCHEDULE. WHERE MANUFACTURER'S RECOMMENDED CONNECTION SIZE IS LARGER THAN SHOWN, INCLUDE FOR PIPING AS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. KITCHEN EQUIPMENT ARE SELECTED AND SPECIFIED BY THE OWNER/KITCHEN DESIGNER. THE FIXTURES SHALL BE INSTALLED BY THE MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR TO PROVIDE ALL ANCILLARY FIXTURES, FITTINGS, P-TRAPS, STOP ANGLES, VACUUM BREAKERS, TRIM AND ROUGH-IN COMPONENTS TO COMPLETE THE INSTALLATION OF THE PLUMBING FIXTURES AS SHOWN ON THE MECHANICAL DRAWINGS AND DETAILED ON THE INTERIOR DESIGN AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
4. FIXTURES FOR THE DISPLAY, STORAGE, PREPARATION OR PROCESSING OF FOOD OR DRINK SHALL BE INDIRECTLY CONNECTED.

SCHEDULE OF VIBRATION ISOLATION

Table with columns: EQUIPMENT, MANUFACTURER, TYPE OF BASE & THICKNESS (MM), TYPE OF ISOLATION, STATIC DEFLECTION (MM), REMARKS. Includes rows for HORIZONTAL HEAT PUMPS, IN-LINE FANS, UTILITY FANS.

- NOTES
1. CSR - RESTRAINED SPRING FLOOR MOUNT
2. NSN - NEOPRENE/STEEL/NEOPRENE PAD
3. SHR - SPRING HANGER

SCHEDULE OF ACID NEUTRALIZER

Table with columns: TAG, MANUFACTURER, MODEL, LOCATION, SIZE DIA x HT (MM), INLET / OUTLET SIZE (MM), VENT, CAPACITY (L), REMARKS. Includes row for AN-1,2.

- NOTES
1. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.

SCHEDULE OF GREASE INTERCEPTOR

Table with columns: TAG, MANUFACTURER, MODEL, SIZE W x L x H (MM), INLET / OUTLET SIZE (MM), MAX FLOW RATE (GPM), GREASE CAPACITY (LBS.), REMARKS. Includes row for GI-1.

- NOTES
1. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.
2. PROVIDE EXTENSION AS REQUIRED TO ENSURE PROPER DRAINAGE TO AND FROM INTERCEPTOR
3. CSA B481 APPROVED

SCHEDULE OF FANS

Table with columns: TAG, MANUFACTURER, MODEL, LOCATION, AREA SERVED, WEIGHT (KG), CURB HEIGHT (MM), DESIGN AIRFLOW (L/S), ESP (Pa), RPM, BHP, MOTOR HP, VFD, ECM MOTOR, SPEED CONTROLLER, SOUND (SONES), ELECTRICAL (FLA (A), MCA (A), MOP (A), POWER (V/Ø/Hz)), REMARKS.

- NOTES
1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
2. IN-LINE FANS SHALL BE PROVIDED WITH NSN TYPE MOUNTING HANGARS.
3. FAN C/W VARI-GREEN HOA CONTROLLER AND VOC CONTROLLER/SENSOR.
4. FAN AND MOTOR TO BE HEAT AND SPARK RESISTANT.
5. FAN C/W ISOLATION BASE WITH SPRING ISOLATORS DESIGNED FOR HORIZONTAL AND VERTICAL RESTRAINT FROM FAN MANUFACTURER.
6. FAN C/W ALUMINUM HOUSING, ALUMINUM WHEEL, ALUMINUM ROOF CURB AND MOTORIZED DAMPER.
7. UNIT SHALL BE COMPLETE WITH UL/UL LISTING FOR GREASE REMOVAL AND SHALL INCLUDE A DRAIN CONNECTION AND BOLTED ACCESS DOOR

SCHEDULE OF ELECTRIC DOMESTIC HOT WATER STORAGE HEATERS

Table with columns: TAG, MANUFACTURER, MODEL, DHWT LOCATION, DHWT SERVICE, SIZE DIA. x HEIGHT (IN.), STORAGE CAPACITY (USGAL), APPROX. WEIGHT (KG), INPUT (KW), NO OF ELEMENTS, RECOVERY (GPH @ 100°F RISE), STORAGE TEMP (°F), POWER (V/Ø/Hz), EXPANSION TANK, MIXING VALVE, ACCESSORIES, REMARKS.

- NOTES
1. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.

SCHEDULE OF PLUMBING PUMPS

Table with columns: TAG, SYSTEM, OPERATION, MANUFACTURER, MODEL, FLOW (GPM), HEAD (FT), RPM, MOTOR HP, POWER (V/Ø/Hz), EMERGENCY POWER, REMARKS.

- NOTES
1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
2. MOUNT PUMP NEXT TO DHWT

SCHEDULE OF EXPANSION TANKS

Table with columns: TAG, SYSTEM, LOCATION, MANUFACTURER, MODEL, TYPE, SIZE (DIA. x LENGTH), VOLUME (USGAL), ACCEPTANCE VOLUME (USGAL), REMARKS.

- NOTES
1. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.

SCHEDULE OF GRILLES AND DIFFUSERS

Table with columns: TYPE, MANUFACTURER, MODEL, DESCRIPTION, VOLUME CONTROL, FINISH, OPTIONS, REMARKS.

- NOTES
1. CONFIRM FINISH WITH ARCHITECT PRIOR TO ORDER
2. REFER TO DRAWINGS FOR QUANTITIES.



Table with columns: NO., DESCRIPTION, DATE. Includes entries for ISSUED FOR TENDER and ISSUED FOR BUILDING PERMIT.

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NOTRE DAME CSS - COSMO & CULINARY INTERIOR RENOVATION

2333 HEADON FOREST DR. BURLINGTON, ON L7M 3G8
LEGAL DESCRIPTION: PART OF LOT 14, CONGRESSION 1
CITY OF BURLINGTON, REGIONAL MUNICIPALITY OF HALTON



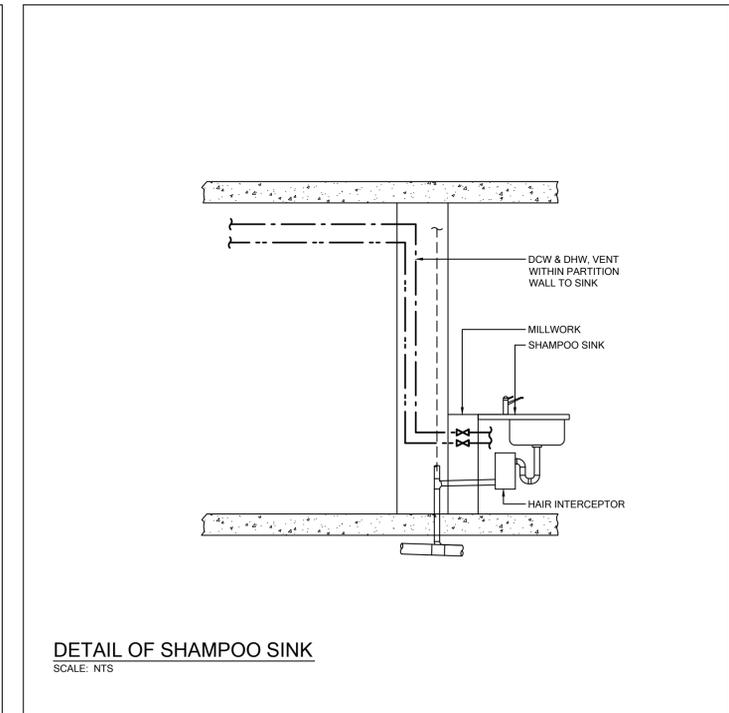
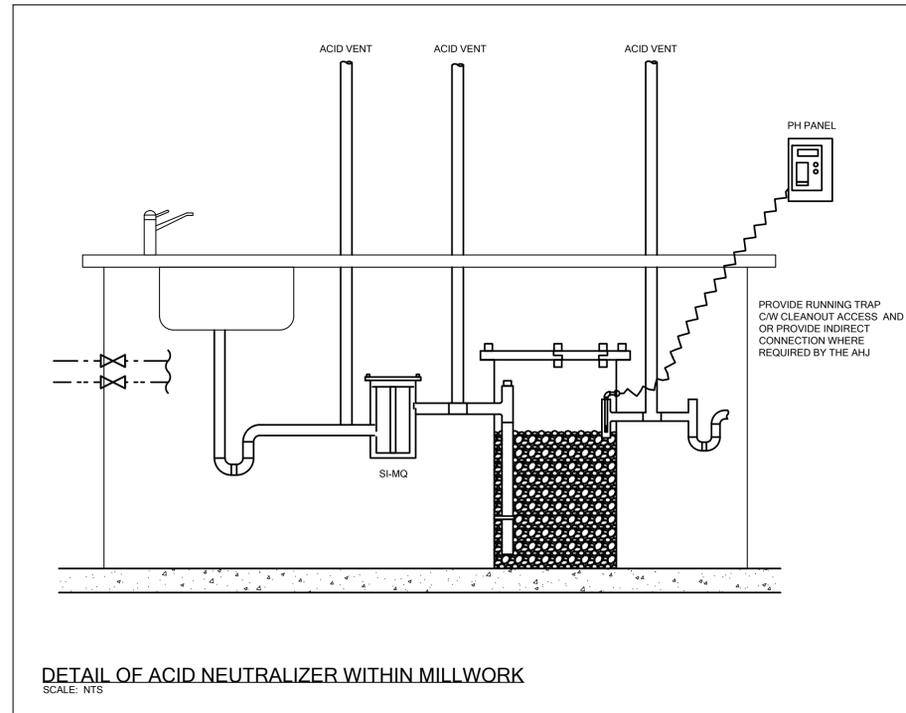
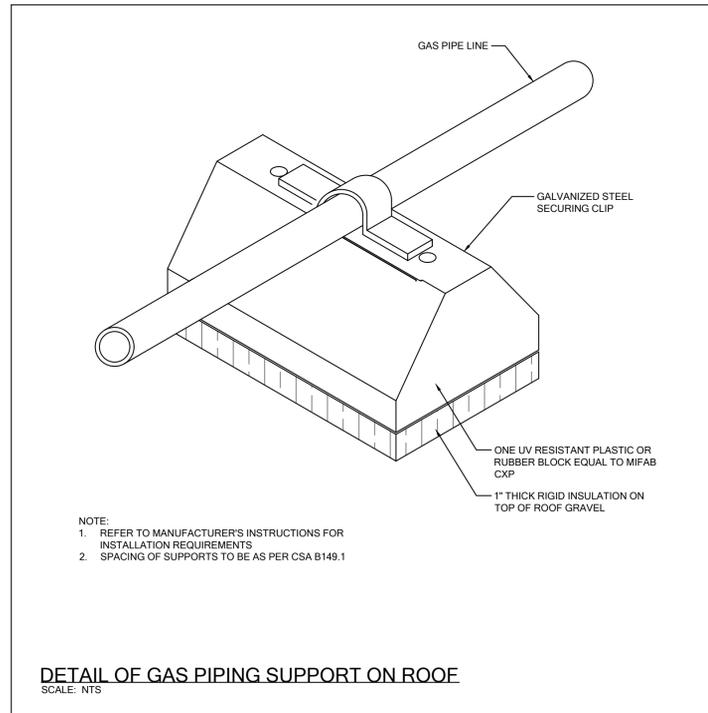
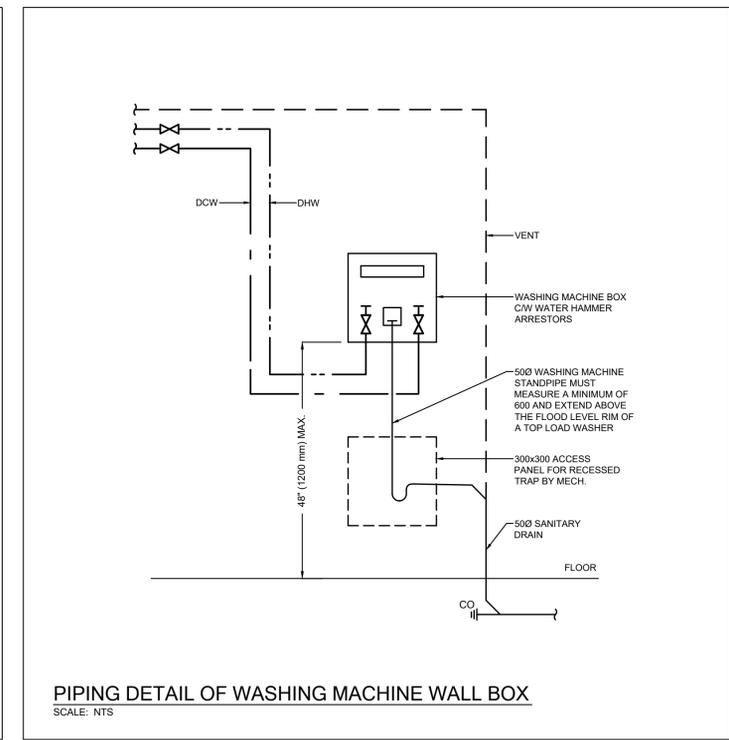
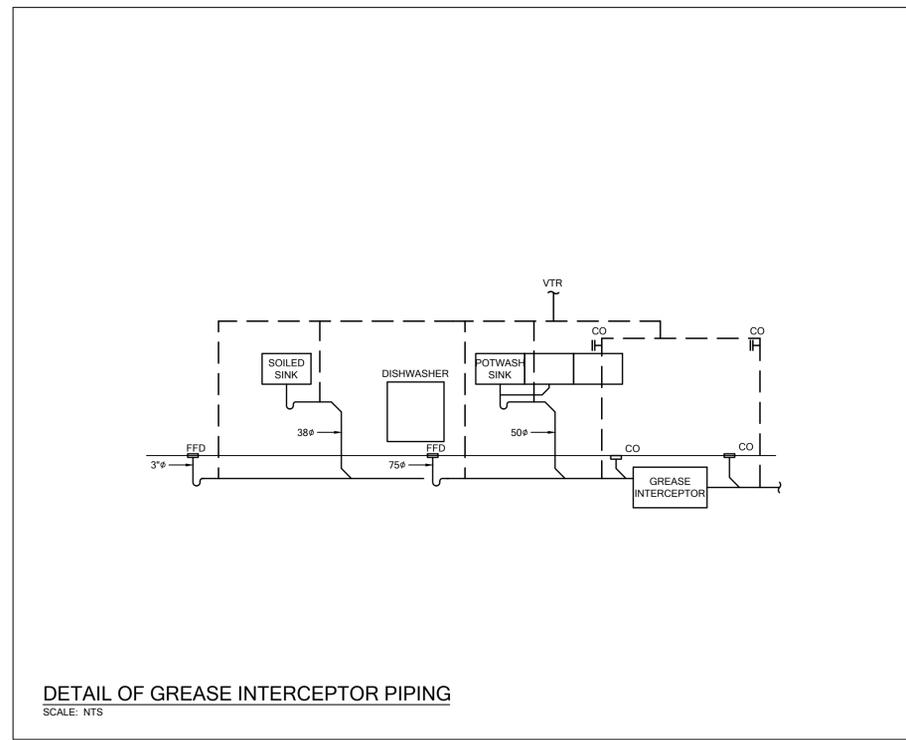
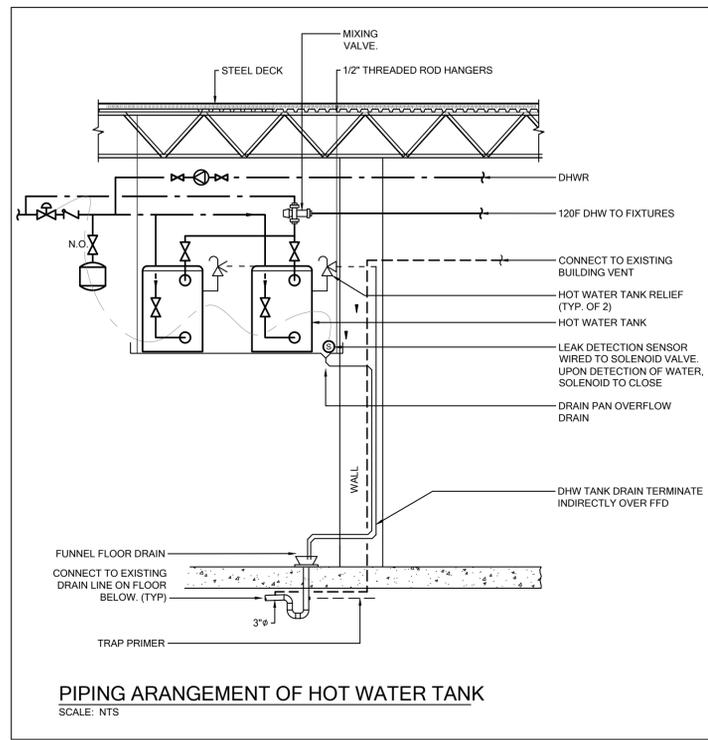
802 DURURY LANE, BURLINGTON ON L7R 2Y2. Attn:ahamc@ncsb.org



17A - 30 Pennsylvania Avenue Vaughan, Ontario L4K 4A5 email: info@rdzeng.ca

EQUIPMENT SCHEDULES

Table with columns: SCALE, PROJECT, DATE, DRAWING, CHECKED, PROJECT, DRAWING. Includes values: 1:50, 25192, NOV 14, 2025, M5.1.



NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	26.02.18
1	ISSUED FOR BUILDING PERMIT	25.02.08

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**NOTRE DAME CSS - COSMO & CULINARY INTERIOR RENOVATION**

2333 HEADON FOREST DR.  
BURLINGTON, ON L7M 3G8

LEGAL DESCRIPTION:  
PART OF LOT 14, CONCESSION 1

CITY OF BURLINGTON,  
REGIONAL MUNICIPALITY OF HALTON

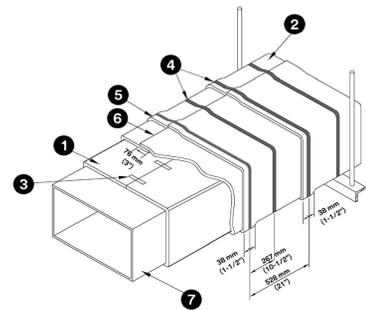


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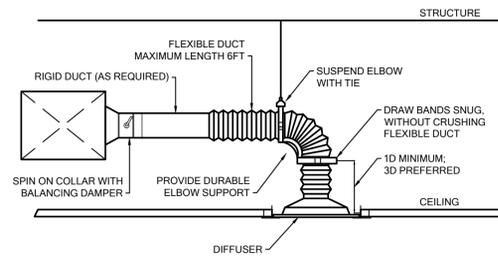
**DETAILS 1**

SCALE	PROJECT
1:50	25192
DATE	
NOV 14, 2025	
DRAWN	DRAWING
J.A.Y.	
CHECKED	<b>M6.1</b>
V.K.	

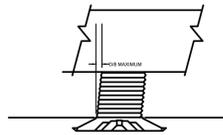


1. FIRST LAYER 3M™ FIRE BARRIER DUCT WRAP 615+
2. SECOND LAYER 3M™ FIRE BARRIER DUCT WRAP 615+
3. 19 MM (3/4 IN.) WIDE FILAMENT TAPE
4. STAINLESS STEEL BANDING 13 MM (1/2 IN.) WIDE MIN. TYPICAL FOR PERMANENT FASTENING. PLACED 38 MM (1-1/2 IN.) FROM EDGE OF BLANKET AND 267 MM (10-1/2 IN.) ON CENTRE.
5. PERIMETER JOINT BUTTED ON INNER LAYER. MIN. 76 MM (3 IN.) OVERLAP ON OUTER LAYER.
6. LONGITUDINAL JOINT BUTTED ON INNER LAYER. MIN. 76 MM (3 IN.) OVERLAP ON OUTER LAYER.
7. GREASE DUCT

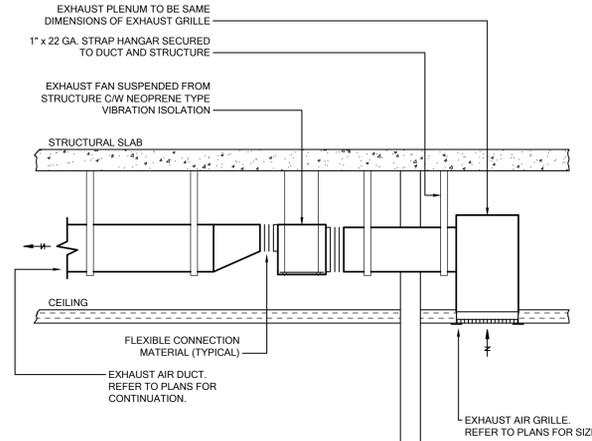
**DETAIL OF 3M FIRE WRAPPED DUCT**  
SCALE: NTS



NOTE:  
1. WHEN LENGTH OF STRAIGHT DUCT UPSTREAM OF DIFFUSER IS LESS THAN 3D, PROVIDE AN EQUALIZING GRID

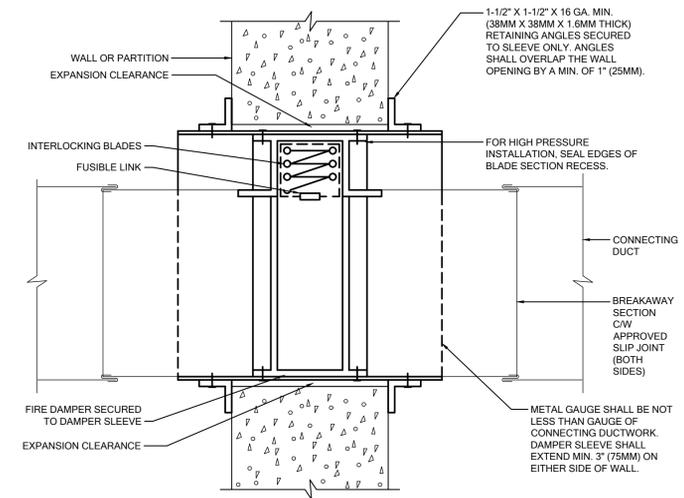


**DETAIL OF FLEXIBLE DUCTWORK CONNECTION TO DIFFUSER**  
SCALE: NTS



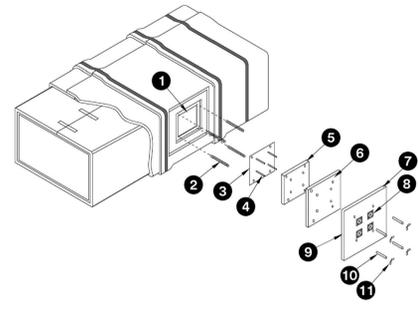
- NOTES:
1. REFER TO DRAWINGS AND SCHEDULES FOR DETAILS ON EXHAUST FAN, CONTROL, AND DUCTING ARRANGEMENT AND SIZES.
  2. PROVIDE ACCESS TO ALL EQUIPMENT AND DEVICES. COORDINATE INSTALLATION LOCATION WITH EXISTING STRUCTURE AND SERVICES.

**DETAIL OF INLINE EXHAUST FAN**  
SCALE: NTS



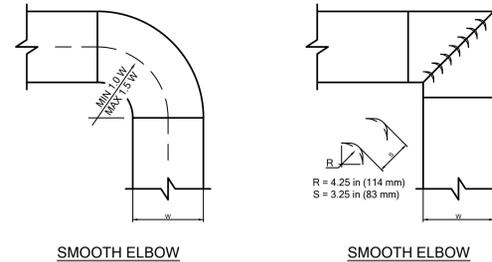
- NOTES:
1. HORIZONTAL INSTALLATION SHALL BE SIMILAR, BUT DAMPER SHALL BE C/W S.S. CLOSURE SPRING.
  2. SEAL BREAKAWAY SECTIONS AFTER INSTALLATION. FOR HIGH PRESSURE INSTALLATIONS, PROVIDE DUCT TAPE ON JOINTS AFTER SEALING.

**DETAIL OF VERTICAL MOUNTED FIRE DAMPER INSTALLATION**  
SCALE: NTS



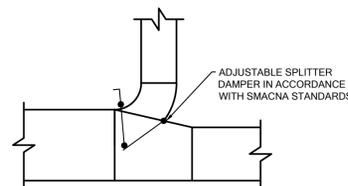
1. ACCESS HOLE
2. 6 MM (1/4 IN.) DIAMETER STEEL THREADED RODS
3. ACCESS DOOR (16 GA STEEL PLATE)
4. WELDED PINS
5. FIRST LAYER 3M™ FIRE BARRIER DUCT WRAP 615+ CUT SAME SIZE AS COVER PLATE
6. SECOND LAYER 3M™ FIRE BARRIER DUCT WRAP 615+ WITH 25 MM (1 IN.) OVERLAP ON ALL SIDES
7. THIRD LAYER 3M™ FIRE BARRIER DUCT WRAP 615+ WITH 25 MM (1 IN.) OVERLAP ON ALL SIDES
8. SPEED CLIPS
9. ALUMINUM TAPE COVERING ALL EXPOSED EDGES
10. STEEL TUBING PIECES FOR STEEL THREADED RODS
11. 6 MM (1/4 IN.) DIAMETER WING NUTS

**DETAIL OF 3M FIRE WRAPPED DUCT WITH ACCESS DOOR**  
SCALE: NTS



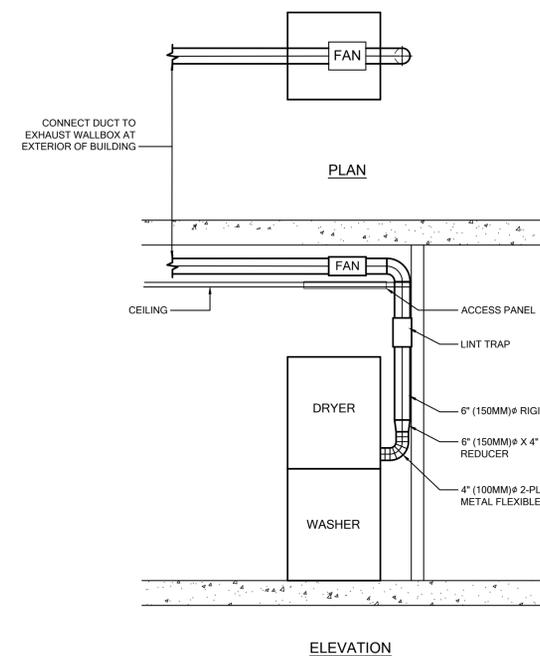
SMOOTH ELBOW

SMOOTH ELBOW

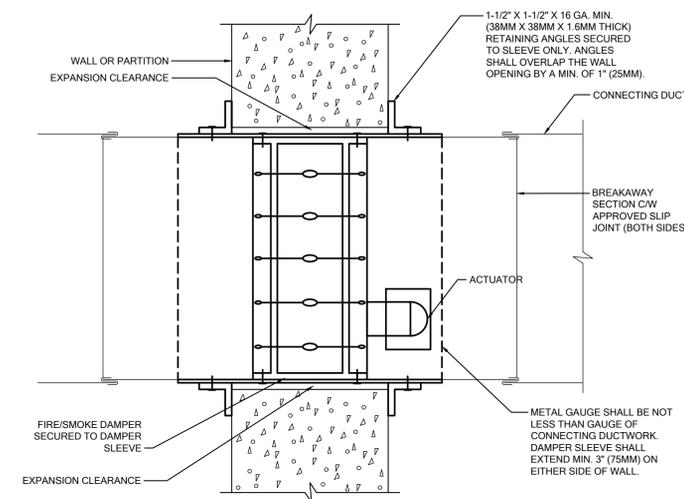


BRANCH DUCT TAKEOFF FROM MAIN

**DETAIL OF TYPICAL DUCTWORK FITTINGS**  
SCALE: NTS



**DETAIL OF DRYER BOOSTER FAN**  
SCALE: NTS



- NOTES:
1. HORIZONTAL INSTALLATION SHALL BE SIMILAR, BUT DAMPER SHALL BE C/W S.S. CLOSURE SPRING.
  2. SEAL BREAKAWAY SECTIONS AFTER INSTALLATION. FOR HIGH PRESSURE INSTALLATIONS, PROVIDE DUCT TAPE ON JOINTS AFTER SEALING.

**DETAIL OF COMBINATION FIRE SMOKE DAMPER INSTALLATION**  
SCALE: NTS



2	ISSUED FOR TENDER	26/02/18
1	ISSUED FOR BUILDING PERMIT	25/02/08
NO.	DESCRIPTION	DATE

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**NOTRE DAME CSS - COSMO & CULINARY INTERIOR RENOVATION**

2333 HEADON FOREST DR  
BURLINGTON, ON L7M 3G6

LEGAL DESCRIPTION  
PART OF LOT 14, CONCESSION 1

CITY OF BURLINGTON,  
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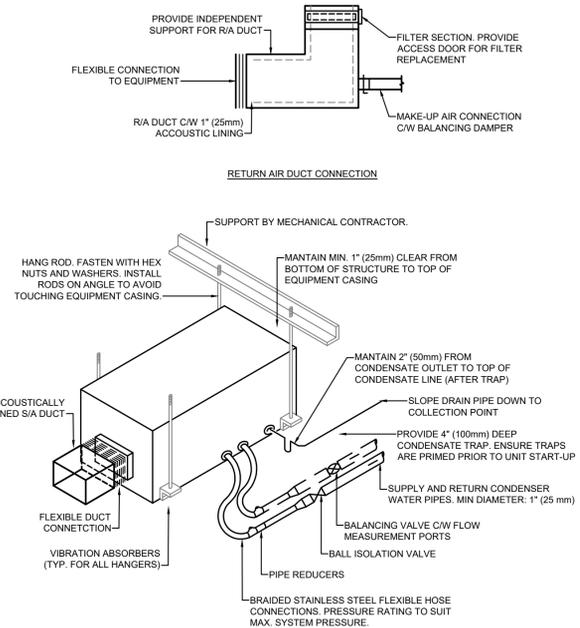
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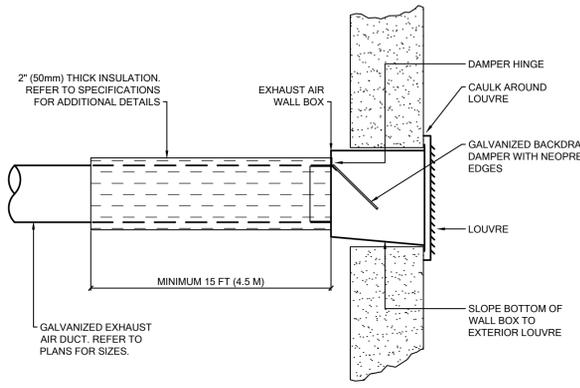
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Vaughan, Ontario L4K 4A5  
email: [info@rdzeng.ca](mailto:info@rdzeng.ca)

**DETAILS 2**

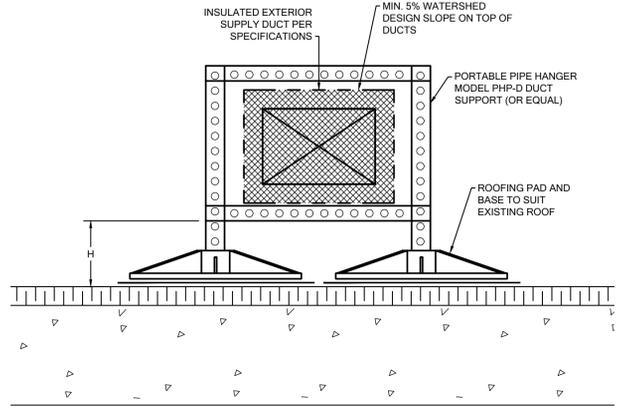
SCALE	1:50	PROJECT	25192
DATE	NOV 14, 2025	DRAWN	J.A.Y.
DRAWN	J.A.Y.	CHECKED	V.K.
		<b>M6.2</b>	



**DETAIL OF CEILING MOUNTED HEAT PUMP UNIT**  
SCALE: NTS



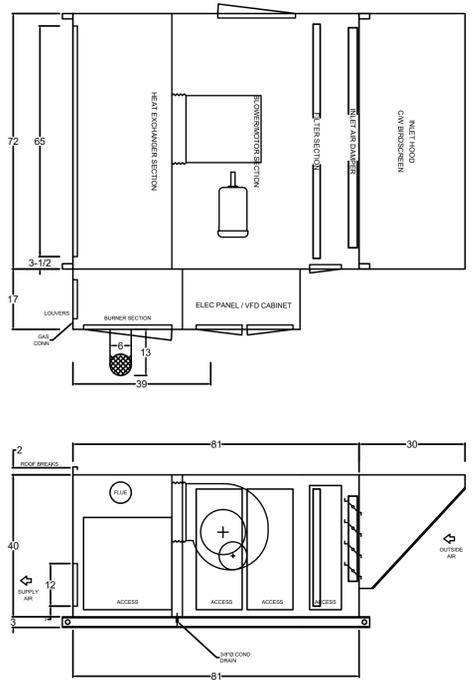
**DETAIL OF EXHAUST AIR DISCHARGE WALL BOX**  
SCALE: NTS



WIDTH OF DUCTWORK	HEIGHT H
UP TO 36" (900mm)	20" (500mm)
37" (925mm) TO 48" (1200mm)	24" (600mm)
49" (1225mm) TO 60" (1500mm)	30" (750mm)
61" (1525mm) AND WIDER	48" (1200mm)

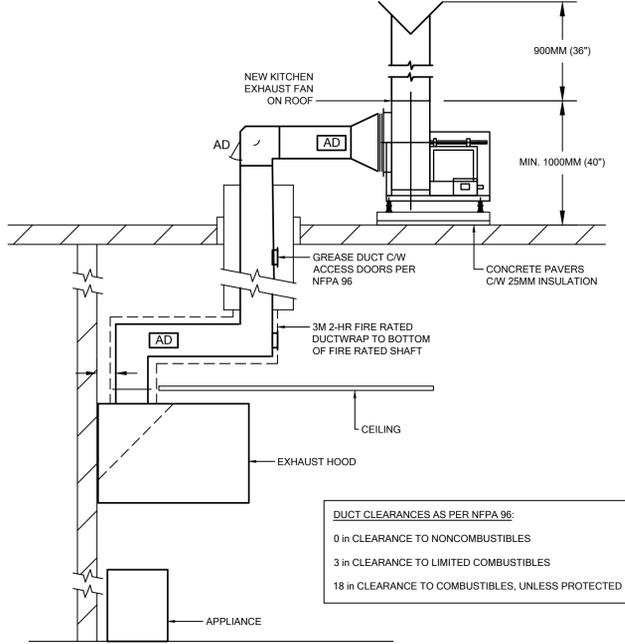
- NOTES:
1. ROOF DUCT SUPPORTS ARE TO BE INSTALLED DIRECTLY ON EXISTING ROOF WITHOUT ROOF PENETRATIONS, FLASHING, OR DAMAGE TO ROOFING MATERIAL.
  2. SYSTEM SHALL BE DESIGNED TO SUPPORT ALL WEIGHT AND EQUIPMENT AS INDICATED IN THE DRAWINGS.
  3. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.

**DETAIL OF ROOF DUCT SUPPORT**  
SCALE: NTS



- NOTES:
1. ESTIMATED TOTAL UNIT WEIGHT = 2,496 LBS (SUBJECT TO CHANGE)
  2. DIMENSIONS SHOWN IN IMPERIAL UNIT - INCHES.

**DETAIL OF GAS FIRED MAKE UP AIR UNIT (MUA-1)**  
SCALE: NTS



DUCT CLEARANCES AS PER NFPA 96:

- 0 in CLEARANCE TO NONCOMBUSTIBLES
- 3 in CLEARANCE TO LIMITED COMBUSTIBLES
- 18 in CLEARANCE TO COMBUSTIBLES, UNLESS PROTECTED

- NOTES:
1. PROVIDE ACCESS PANELS FOR INSPECTION AND MAINTENANCE PURPOSES AS PER NFPA 96 REQUIREMENTS. ACCESS PANELS SHALL BE OF SAME MATERIAL AND THICKNESS AS THE KITCHEN EXHAUST DUCTWORK AND COMPLY WITH NFPA 96 REQUIREMENTS.
  2. PROVIDE 3M FIRE WRAP ON HORIZONTAL KITCHEN EXHAUST DUCTWORK WITHIN KITCHEN AND AS REQUIRED TO MAINTAIN CLEARANCE TO LIMITED COMBUSTIBLE AND COMBUSTIBLE MATERIALS.
  3. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION ON KITCHEN EXHAUST DUCTWORK CONSTRUCTION AND FIRE WRAP REQUIREMENTS.
  4. EXHAUST FAN SHALL BE COMPLETE WITH UL/GUL LISTING FOR GREASE REMOVAL AND SHALL INCLUDE A DRAIN CONNECTION AND BOLTED ACCESS DOOR

**SECTION THROUGH KITCHEN EXHAUST SYSTEM**  
SCALE: NTS



NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	26.02.18
1	ISSUED FOR BUILDING PERMIT	26.02.08

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT, AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.

**NOTRE DAME CSS - COSMO & CULINARY INTERIOR RENOVATION**

2333 HEADON FOREST DR  
BURLINGTON, ON L7M 3G6

LEGAL DESCRIPTION  
PART OF LOT 14, CONCESSION 1  
CITY OF BURLINGTON,  
REGIONAL MUNICIPALITY OF HALTON



802 DURRURY LANE, (905) 632-6300  
BURLINGTON ON L7R 2Y2. [AbrahamC@hcsb.org](mailto:AbrahamC@hcsb.org)

**RDZ ENGINEERS LTD**  
17A - 30 Pennsylvania Avenue  
Vaughan, Ontario L4K 4A5  
email: [info@rdzeng.ca](mailto:info@rdzeng.ca)

**DETAILS 3**

SCALE	PROJECT
1:50	25192
DATE	DRAWING
NOV 14, 2025	J.A.Y.
DRAWN	CHECKED
V.K.	M6.3