

PLUMBING	
SYMBOL	DESCRIPTION
	SANITARY DRAINAGE - ABOVE GROUND
	SANITARY DRAINAGE - UNDERGROUND
	SANITARY DRAINAGE (ACID RESISTANT) - ABOVE GROUND
	SANITARY DRAINAGE (ACID RESISTANT) - UNDERGROUND
	STORM DRAINAGE - ABOVE GROUND
	STORM DRAINAGE - UNDERGROUND
	PUMPED DISCHARGE
	DOMESTIC COLD WATER SUPPLY
	DOMESTIC HOT WATER SUPPLY
	DOMESTIC HOT WATER RECIRC.
	TEMPERED WATER
	ACID RESISTANT VENT
	VENT
	NATURAL GAS
	REVERSE OSMOSIS PIPING
	RADIO ISOTOPE DRAIN
	COMPRESSED AIR
	RUNNING TRAP
	P-TRAP
	EMERGENCY SHOWER
	EYE WASH
	CLEANOUT IN FLOOR/BELOW GRADE
	CLEANOUT IN CEILING
	HOSE BIBB
	NON FREEZE HOSE BIBB
	SINGLE GAS OUTLET
	DOUBLE GAS OUTLET
	COMPRESSED AIR OUTLET
	ROOF HYDRANT
	GROUND HYDRANT
	ROOF DRAIN
	CONTROL FLOW ROOF DRAIN
	VENT THROUGH ROOF
	RAIN WATER LEADER
	TRAP SEAL PRIMER
	SCUPPER DRAIN
	MANHOLE
	CATCH BASIN
	TRENCH GRATE & FRAME
	AREA DRAIN
	FUNNEL FLOOR DRAIN
	FLOOR DRAIN
	HUB DRAIN
	FLOOR SINK
	FLOOR DRAIN - FLUSHING RIM
	WATER METER ASSEMBLY
	GAS METER
	BACK WATER VALVE
	BACKFLOW PREVENTER
	DENOTES FIXTURE TYPE PER SPECIFICATION

FIRE PROTECTION	
SYMBOL	DESCRIPTION
	SPRINKLER LINE
	FIRE MAIN
	STANDPIPE
	SUPERVISED VALVE
	WATER FLOW ALARM
	PRESSURE SWITCH
	TEST CONNECTION
	FIRE DEPARTMENT CONNECTION
	PRESSURE SWITCH
	WATER FLOW ALARM
	EXCESS PRESSURE PUMP
	WET ALARM CHECK VALVE
	TEST & DRAIN VALVE
	WATER FLOW ALARM
	PRESSURE SWITCH
	DRY ALARM CHECK VALVE
	TEST & DRAIN VALVE
	AIR COMPRESSOR
	SPRINKLER VALVE CABINET
	FIRE EXTINGUISHER CABINET
	FIRE HOSE CABINET
	FIRE EXTINGUISHER C/W WALL BRACKET
	POST-INDICATOR VALVE
	FIRE HYDRANT C/W SHUT-OFF VALVE
	PENDENT SPRINKLER HEAD
	UPRIGHT SPRINKLER HEAD
	CONCEALED SPRINKLER HEAD
	FIRE SUPPRESSION (CLEAN AGENT) SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD

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

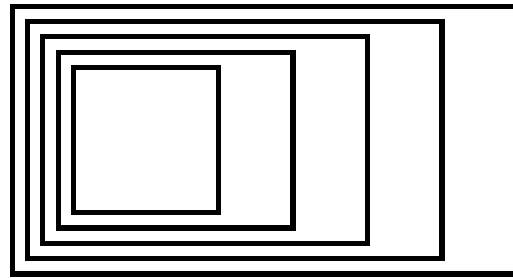
GENERAL	
SYMBOL	DESCRIPTION
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
	EXISTING TO BE REMOVED FOR RELOCATION
	EXISTING RELOCATED IN NEW WORK
	NEW WORK
	CONNECT TO EXISTING
	AIRFLOW / PIPE FLOW DIRECTION
	PIPE TURNING DOWN
	PIPE TURNING UP
	PRESSURE REDUCING VALVE
	ROOM THERMOSTAT
	ROOM HUMIDISTAT
	PUMP
	CONTROL VALVE - TWO WAY
	CONTROL VALVE - THREE WAY
	ISOLATION VALVE
	BALANCING VALVE
	CHECK VALVE
	STRAINER - OVER 50MM WITH VALVED FLUSHING DRAIN
	PIPE BRANCH OFF TOP
	PIPE BRANCH OFF BOTTOM
	RELIEF VALVE
	PRESSURE GAUGE
	TEMPERATURE GAUGE
	CAP

ACRONYMS	
ACRONYM	DESCRIPTION
AC	AIR CURTAIN
ACO	AIR COMPRESSOR
AD	AREA DRAIN
AGSS	ANAESTHETIC GAS SCAVENGING PUMPS
AHU	AIR HANDLING UNIT
AP	MEDICAL GAS ALARM PANEL
AS	AIR SEPARATOR
B	BOILER (HEATING WATER)
BBH	BASEBOARD HEATER (HOT WATER)
BD	BALANCING DAMPER
BDD	BACKDRAFT DAMPER
BFP	BACKFLOW PREVENTER
BWV	BACKWATER VALVE
CC	COOLING COIL
CH	CHILLER
CHWP	CHILLED WATER PUMP
CO	CLEAN-OUT
CP	CONDENSATE PUMP
CRAC	COMPUTER ROOM AIR-CONDITIONING UNIT
CRU	STEAM CONDENSATE RECIEVER UNIT
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CWP	CONDENSER WATER PUMP
DA	DEAERATOR
DCWP	DOMESTIC COLD WATER PUMP
DHWP	DOMESTIC HOT WATER PUMP
DHWRP	DOMESTIC HOT WATER RECIRC PUMP
DT	DAY TANK
EBH	BASEBOARD HEATER (ELECTRIC)
EF	EXHAUST FAN
EHC	ELECTRIC HEATING COIL
EHT	ELECTRIC HEAT TRACING
ET	EXPANSION TANK
EVV	EXHAUST VENTURI VALVE
FCU	EXISTING TO REMAIN
FD	FLOOR DRAIN (APPLIES TO PLUMBING DRAWINGS)
FD	FIRE DAMPER (APPLIES TO VENTILATION DRAWINGS)
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FFD	FUNNEL FLOOR DRAIN
FFH	FORCED FLOW HEATER (ELECTRIC)
FHC	FIRE HOSE CABINET
FOP	FUEL OIL PUMP
FOT	FUEL OIL TANK
FP	FIRE PUMP
FT	FLASH TANK
GI	GREASE INTERCEPTOR
GLF	GLYCOL FILL STATION
GLP	GLYCOL HOT WATER PUMP
H	HUMIDIFIER
HB	HOSE BIBB
HC	HEATING COIL
HEPA	HIGH EFFICIENCY PARTICULATE AIR FILTER
HEX	HEAT EXCHANGER (PLATE AND FRAME)
HP	HEAT PUMP
HRCH	HEAT RECOVERY CHILLER
HWP	HOT WATER PUMP
HWT	DOMESTIC HOT WATER TANK
IAC	INSTRUMENT AIR COMPRESSOR

ACRONYMS	
ACRONYM	DESCRIPTION
JP	JOCKEY PUMP
LAC	LAB AIR COMPRESSOR
LDU	LOCAL DISPLAY UNIT
MAC	MEDICAL AIR COMPRESSOR
MAU	MAKE-UP AIR UNIT
MD	MOTORIZED DAMPER
PHC	PREHEAT COIL
PRV	PRESSURE REDUCING VALVE
RF	RETURN FAN
RHC	RE-HEAT COIL
RTU	ROOFTOP UNIT
SF	SUPPLY FAN
SFD	COMBINATION SMOKE/FIRE DAMPER
ST	STARTER

MECHANICAL DRAWING LIST	
DRAWING #	DRAWING NAME
M-001	Mechanical Legend & Sheet List
M-101	Mechanical Level 1 Demolition Plan - Plumbing
M-151	Mechanical Level 1 New Construction Plan - Plumbing
M-201	Mechanical Level 1 Demolition Plan - HVAC
M-202	Mechanical Level 2 Demolition Plan - HVAC
M-251	Mechanical Level 1 New Construction Plan - HVAC
M-252	Mechanical Level 2 New Construction Plan - HVAC
M-253	Mechanical Roof New Construction Plan - HVAC & Plumbing
M-301	Mechanical Detail Sheet No. 1
M-302	Mechanical Detail Sheet No. 2
M-303	Mechanical Detail Sheet No. 3
M-304	Exhaust Hood Details
M-305	Exhaust Hood Details & Wiring Diagrams
M-306	Mechanical Control Sequences
M-307	Mechanical Control Sequences
M-308	Mechanical Equipment Schedules
M-309	Kitchen Equipment Schedules

- GENERAL NOTES:**
- 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):
A. 24 INCHES BY 24 INCHES FOR PERSONNEL ENTRY.
B. 18 INCHES BY 18 INCHES FOR HAND ENTRY.
C. 12 INCHES BY 12 INCHES FOR VIEWING ONLY.
D. SIZE DOORS TO ALLOW ADEQUATE OPERATING/MAINTENANCE CLEARANCE FOR DEVICES.
E. ACCESS DOORS SHALL BE, WHEREVER POSSIBLE, OF A STANDARD SIZE FOR EACH APPLICATION.
 - 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.
 - SUPPLY AND INSTALL OF SMOKE DETECTORS TO BE COMPLETE WITH TIE-INS TO FIRE ALARM PANEL.
 - 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 PIPING.
 - 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.
 - COORDINATE ALL TEMPORARY SHUT DOWNS WITH THE CLIENT (SCHOOL BOARD) 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 THE SCHOOL DAILY OPERATIONS AS MINIMAL AS POSSIBLE. INCLUDE FOR FREEZING WHERE 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 AND ELECTRICAL SERVICES, INCLUDE ALL COSTS FOR REINSTATING THE CEILING, FLOOR, WALL, OR ROOF. 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 WITHIN THE WORK AREA TO FACILITATE ALL NEW MECHANICAL WORK.
 - INSULATE ALL NEW DUCTWORK AND ANY EXISTING DUCTWORK WHERE INSULATION HAS BEEN REMOVED OR DAMAGED BY THIS WORK. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - CONTRACTOR TO PROVIDE WATER BALANCING PRE-TESTS. CONTRACTOR TO PROVIDE CUTTING & PATCHING FOR THE INSTALLATION OF HIS WORK. EMPLOY THE SERVICES OF THE GENERAL TRADES CONTRACTOR IF NECESSARY.
 - CO-ORDINATE NEW SERVICES WITH EXISTING BUILDING STRUCTURE, EXISTING SERVICES & WORK.
 - 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 AND, 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 IS TO VERIFY LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - 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.
 - CONTRACTOR TO PROVIDE MINIMUM 7-10 WORKING DAYS NOTICE TO THE CLIENT (SCHOOL BOARD) FOR ANY SHUTDOWN REQUIRED.
 - 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 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.
 - 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.
 - COORDINATE MECHANICAL WORK WITH WORK OF ALL OTHER DIVISIONS.
 - ALL CRANING WORK TO BE COORDINATED WITH OWNER, AND SCHEDULED. ALLOW FOR WEEKEND WORK.
 - CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS WITHIN 2 WEEKS AFTER COMMISSIONING IS COMPLETED.
 - CONTRACTOR SHALL RETURN ALL REMOVED EQUIPMENT TO THE OWNER OR DISPOSE THE DEMOLISHED EQUIPMENT WHICH IS SUBJECT TO THE OWNER APPROVAL.
 - DEMOLITION DRAWINGS INDICATE VISIBLE KNOWN DEVICES AND/OR SERVICES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR DETAILED SITE SURVEY PRIOR TO SUBMITTING THE BID AND SHALL INCLUDE FOR ALL COSTS ASSOCIATED WITH DEMOLITION SCOPE OF WORK IN THE BID PRICE. MANDATORY SITE WALKTHROUGHS SHALL BE ARRANGED BY THE OWNER AND CONSULTANT TO ALLOW CONTRACTORS TO INVESTIGATE AND RECORD EXISTING CONDITIONS PRIOR TO SUBMITTING THE BID.
 - 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.
 - COSTS TO PERFORM WATER BALANCING TO BE INCLUDED IN THE PRICE FOR THE WORK OF MECHANICAL DIVISION.
 - COSTS TO PERFORM DUCT CLEANING OF THE WHOLE BUILDING, TESTING AND BALANCING OF THE HVAC SYSTEM TO BE INCLUDED IN THE PRICE FOR THE WORK OF MECHANICAL DIVISION.
 - CONTRACTOR TO CARRY OUT PRE-CONSTRUCTION AND POST-CONSTRUCTION AIR AUDIT.
 - CONTRACTOR TO REPAIR BEAMS FIRE RATING SAME WITH PREVIOUS FIRE RATING WHERE SECURING SUPPORTS TO THE EXISTING FIRE RATED BEAMS



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2	ISSUED FOR PERMIT AND TENDER	10/31/2025
1	ISSUED FOR 90% CD - CLIENT REVIEW	10/09/2025

No.	ISSUED/REVISED	DATE
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Henry St H.S. Culinary Classroom Renovation

600 Henry St, Whitby, ON L1N 1L4

Mechanical Legend & Sheet List

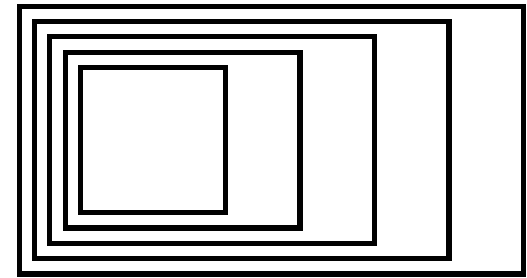
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Project Number: ED-25-052

Drawn By: Chirag Khatri

Checked By: A. Nakhaei-Zadeh

M-001



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Henry St H.S. Culinary Classroom
Renovation

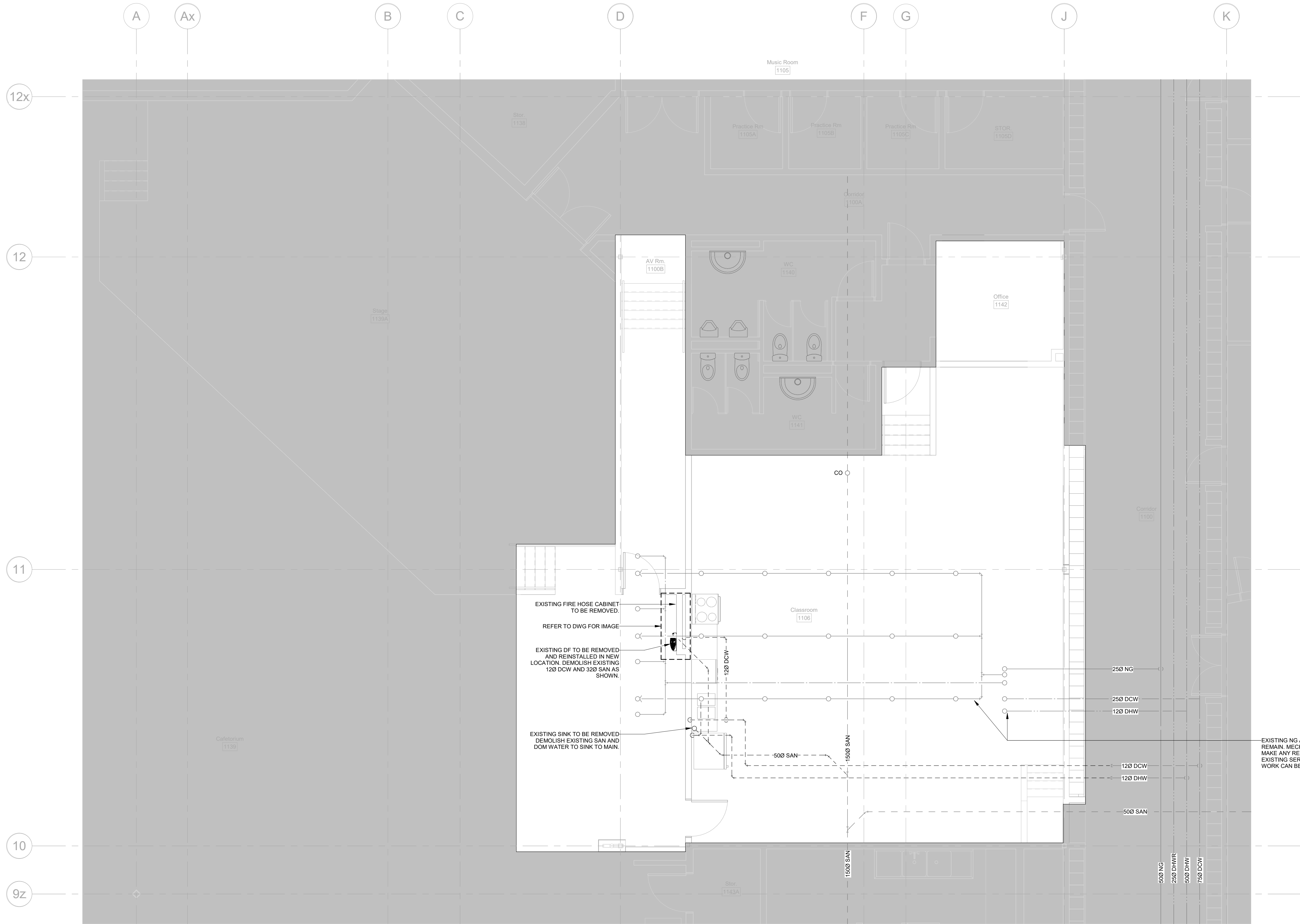
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Mechanical Level 1
Demolition Plan -
Plumbing

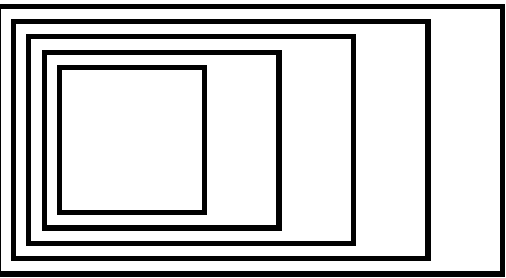


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Project Number: ED-25-052	
Drawn By: Chirag Khatri	
Checked By: A. Nakhaei-Zadeh	

M-101



- DEMOLITION NOTES:**
- WHERE MECHANICAL SERVICES AND/OR EQUIPMENT ARE INDICATED TO BE DEMOLISHED AND REMOVED, MECHANICAL CONTRACTOR SHALL REMOVE ASSOCIATED INSULATION, HANGERS, VALVES, ACCESSORIES, DIFFUSERS, GRILLES, ETC. CAP SERVICES AS REQUIRED. CAP AND SEAL ALL REDUNDANT OPENINGS IN DUCTS
 - WHERE MECHANICAL EQUIPMENT HAVING ELECTRICAL CONNECTIONS IS SHOWN TO BE DEMOLISHED, COORDINATE WITH GENERAL CONTRACTOR AND ELECTRICAL DIVISION TO DISCONNECT AND MAKE SAFE THE POWER SUPPLY CONNECTION. ENSURE THAT LIVE ELECTRICAL CONNECTIONS/WIRE ARE NOT LEFT ABANDONED OR UNPROTECTED AT ANY TIME.
 - 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.
 - ALL MECHANICAL SERVICES ARE TO REMAIN UNLESS NOTED OTHERWISE. EXISTING DUCT WORK TO REMAIN UNLESS NOTED OTHERWISE.
 - REPLACE BROKEN OR DAMAGED DUCTS AND PIPING.
 - COORDINATE WITH BASE BUILDING PRIOR TO START OF WORK.
 - EXISTING CONDITIONS HAVE BEEN BASED ON RECORD (AS-BUILT) DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS AND SHALL ADVISE THE ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL SITE CONDITIONS AND THOSE INDICATED ON THE DRAWINGS.



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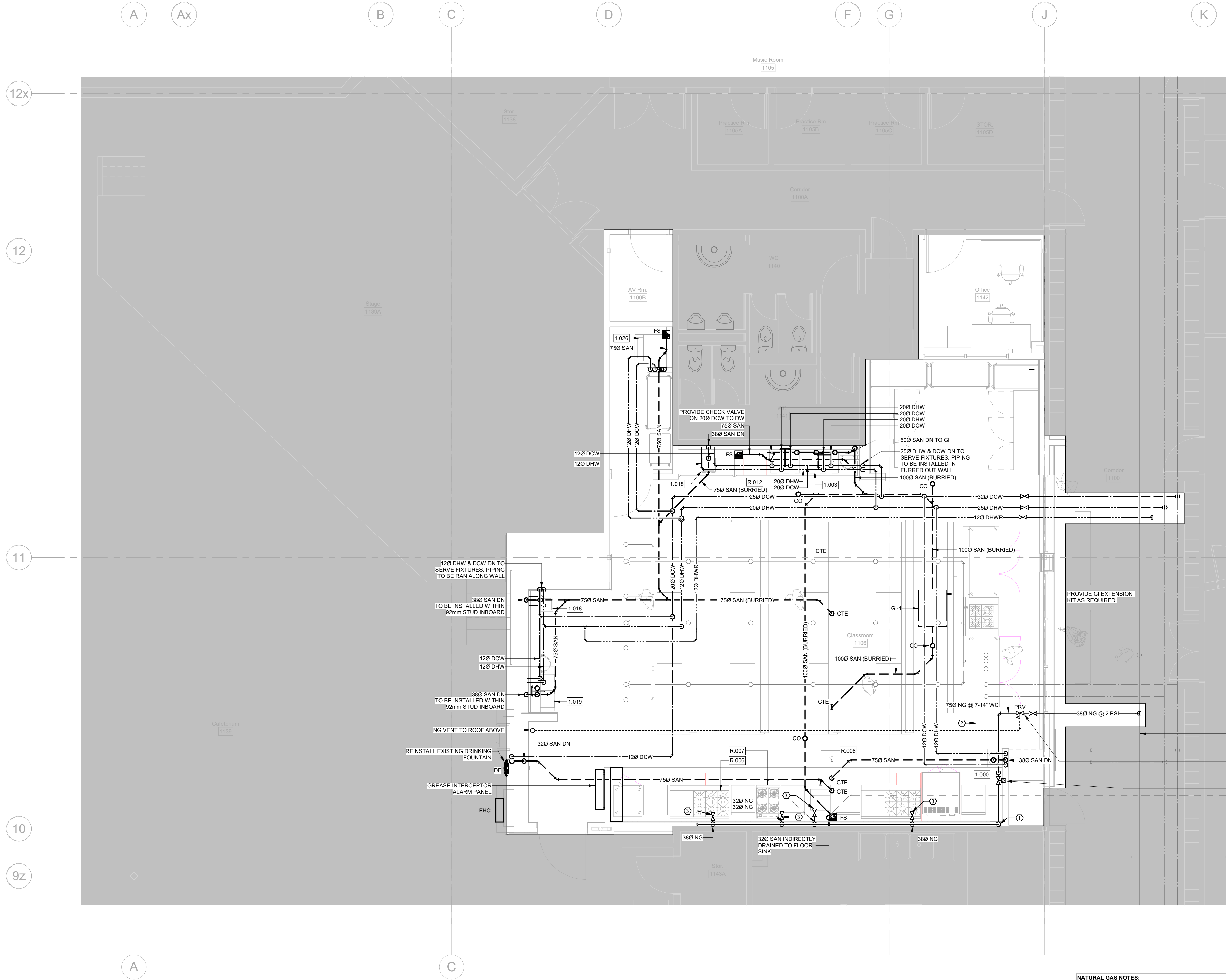
Henry St H.S. Culinary Classroom
Renovation

600 Henry St, Whitby, ON L1N 1L4

Mechanical Level 1 New
Construction Plan -
Plumbing

Scale: 1 : 50
Project Number:
ED-25-052
Drawn By:
Chirag Khatri
Checked By:
A. Nakhaei-Zadeh

M-151



NATURAL GAS NOTES:

ALL NATURAL GAS PIPING, COMPONENTS, ACCESSORIES, AND ASSOCIATED INSTALLATIONS SHALL CONFORM TO THE LATEST EDITION OF CSA B149.1 - NATURAL GAS AND PROPANE INSTALLATION CODE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH THIS CODE, INCLUDING BUT NOT LIMITED TO MATERIAL SELECTION, INSTALLATION PRACTICES, TESTING, PURGING, AND SAFETY REQUIREMENTS.

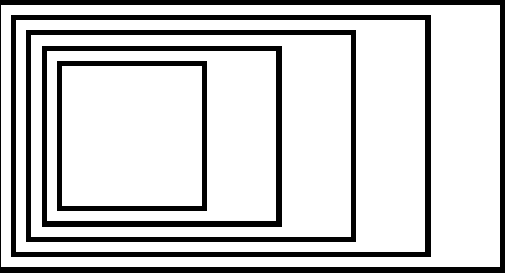
① 75NG DROP DN BELOW THE HOOD INSTALL EMERGCRNG SHUT-OFF VALVE AT ACCESSIBLE LOCATION (1500 AFF)

② INSTALL SOLENOID VALVE. THE SOLENOID VALVE TO CLOSE UPON ACTIVATION OF FIRE SUPPRESSION SYSTEM. ALSO SHUT DOWN ALL ELECTRICAL UNDER THE HOOD AND MAKEUP AIR UNIT.

③ "DORMOT" GAS FLEXIBLE HOSE C/W QUICK DISCONNECT WITH CSA APPROVED TO EACH EQUIPMENT

PLUMBING DRAWING NOTES:

1. BURIED SANITARY DRAINAGE SHALL BE MINIMUM 750 (3\"/>



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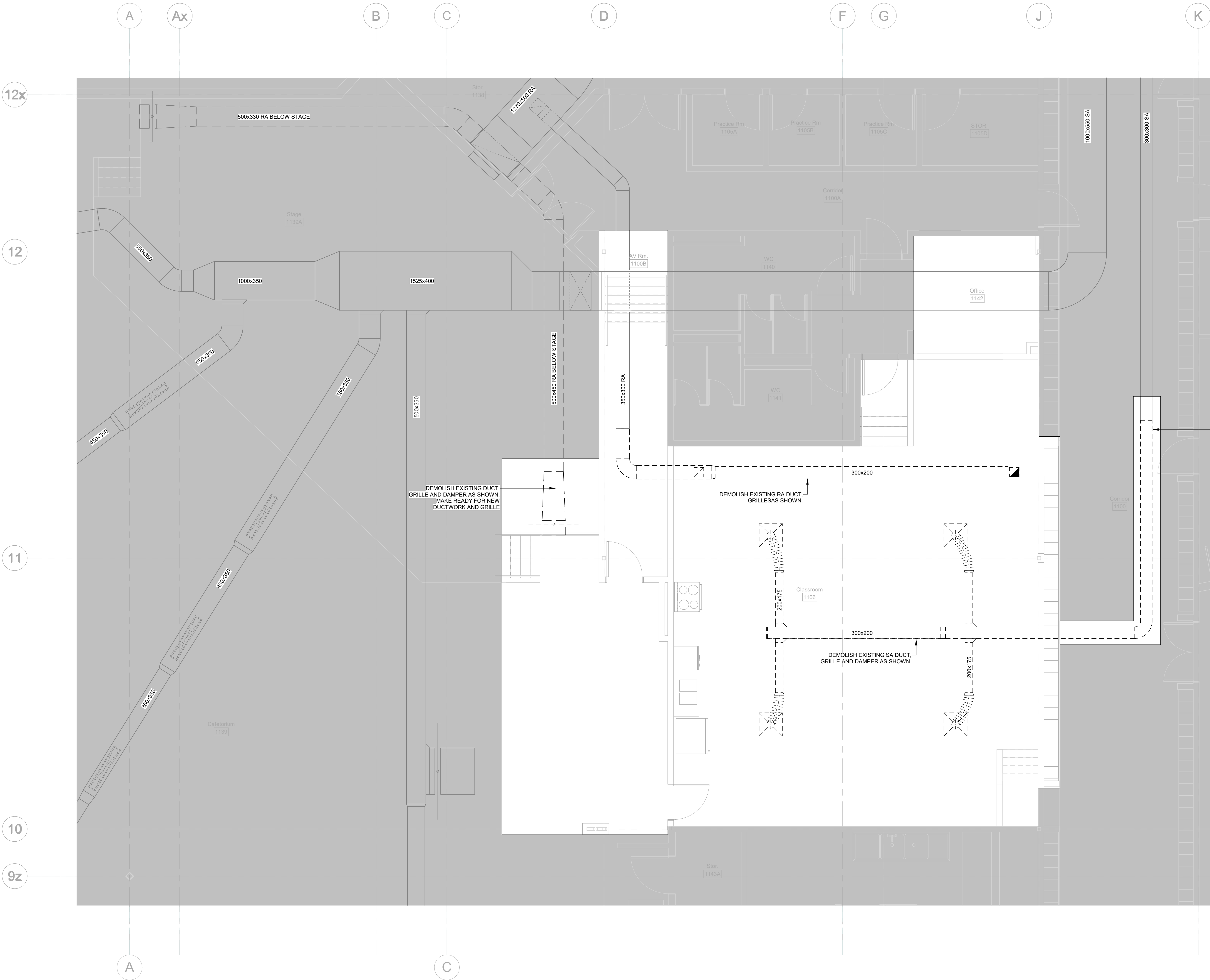
Henry St H.S. Culinary Classroom
Renovation

600 Henry St, Whitby, ON L1N 1L4

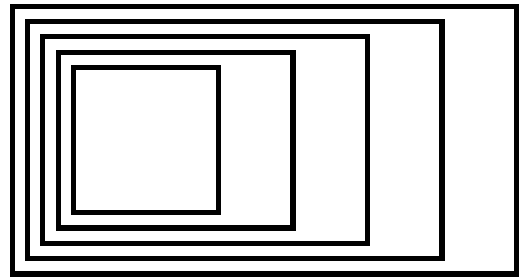
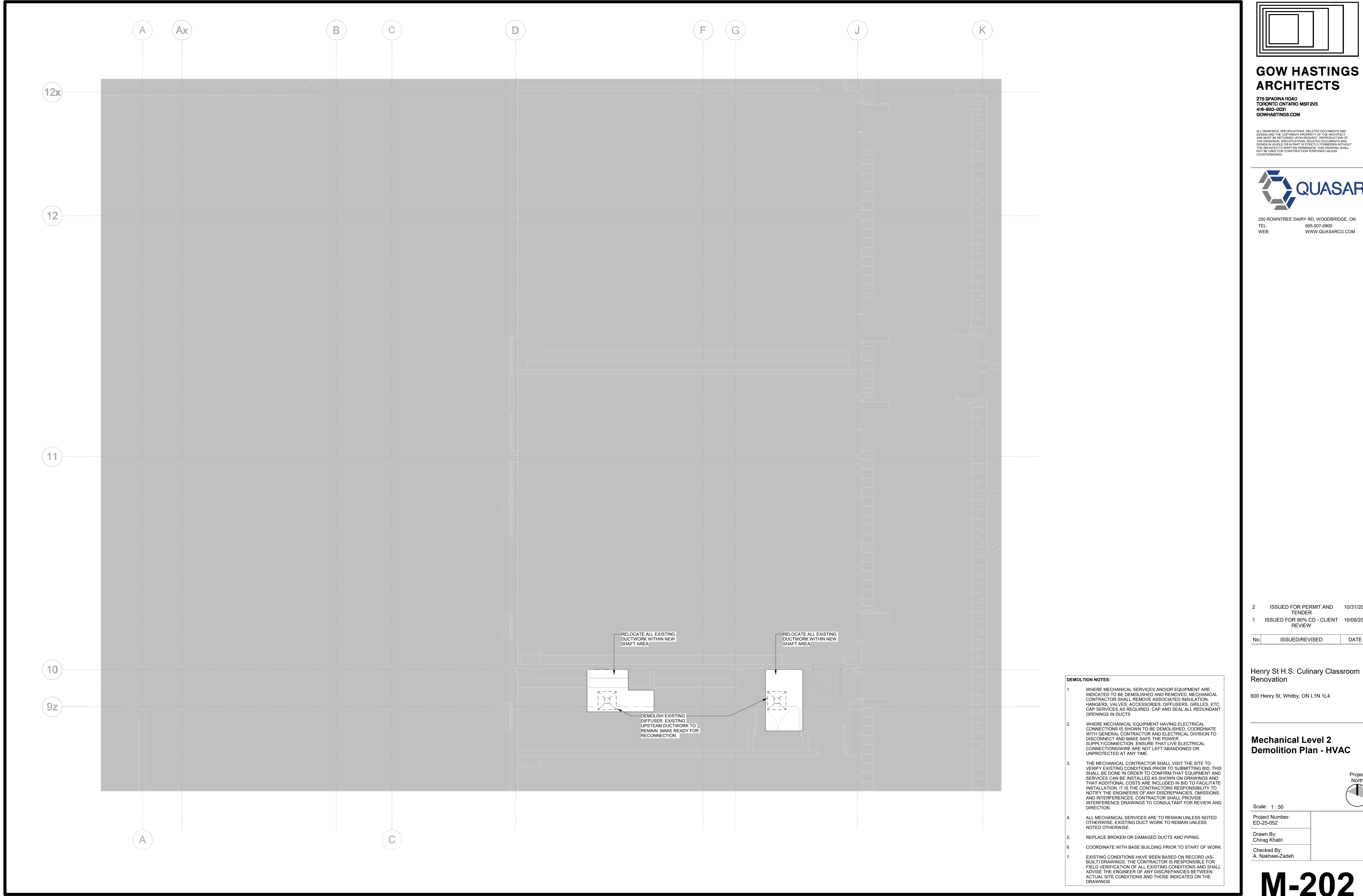
Mechanical Level 1
Demolition Plan - HVAC

Scale: 1 : 50	
Project Number: ED-25-052	
Drawn By: Chirag Khatri	
Checked By: A. Nakhaei-Zadeh	

M-201



- DEMOLITION NOTES:**
- WHERE MECHANICAL SERVICES AND/OR EQUIPMENT ARE INDICATED TO BE DEMOLISHED AND REMOVED, MECHANICAL CONTRACTOR SHALL REMOVE ASSOCIATED INSULATION, HANGERS, VALVES, ACCESSORIES, DIFFUSERS, GRILLES, ETC. CAP SERVICES AS REQUIRED. CAP AND SEAL ALL REDUNDANT OPENINGS IN DUCTS
 - WHERE MECHANICAL EQUIPMENT HAVING ELECTRICAL CONNECTIONS IS SHOWN TO BE DEMOLISHED, COORDINATE WITH GENERAL CONTRACTOR AND ELECTRICAL DIVISION TO DISCONNECT AND MAKE SAFE THE POWER SUPPLY CONNECTION. ENSURE THAT LIVE ELECTRICAL CONNECTIONS/WIRE ARE NOT LEFT ABANDONED OR UNPROTECTED AT ANY TIME.
 - 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.
 - ALL MECHANICAL SERVICES ARE TO REMAIN UNLESS NOTED OTHERWISE. EXISTING DUCT WORK TO REMAIN UNLESS NOTED OTHERWISE.
 - REPLACE BROKEN OR DAMAGED DUCTS AND PIPING.
 - COORDINATE WITH BASE BUILDING PRIOR TO START OF WORK.
 - EXISTING CONDITIONS HAVE BEEN BASED ON RECORD (AS-BUILT) DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS AND SHALL ADVISE THE ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL SITE CONDITIONS AND THOSE INDICATED ON THE DRAWINGS.



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Henry St H.S. Culinary Classroom
Renovation

600 Henry St, Whitby, ON L1N 1L4

**Mechanical Level 2
Demolition Plan - HVAC**

Scale: 1 : 50

Project Number:
ED-25-052

Drawn By:
Chirag Khatri

Checked By:
A. Nakhaei-Zadeh

M-202

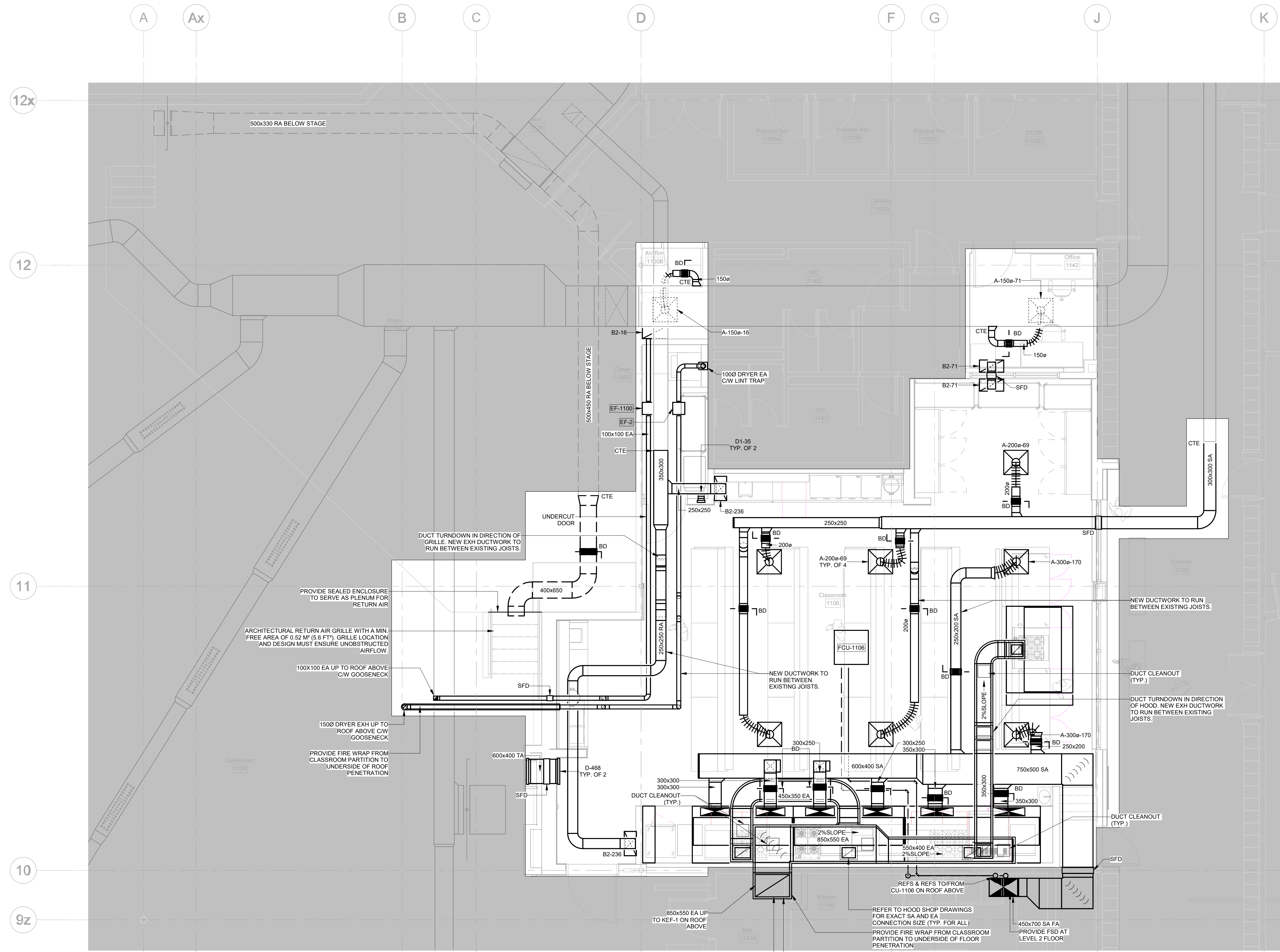
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HVAC DRAWING NOTES:

1. TEMPERATURE SENSORS SHALL BE INSTALLED 1200 MM (48 IN) ABOVE FINISHED FLOOR.
2. ALL CONTROL WIRING FROM EQUIPMENT TO WALL MOUNTED THERMOSTATS SHALL BE INSTALLED NEATLY AND TIGHT TO UNDERSIDE OF SLAB STRUCTURE.
3. DIFFUSERS AND GRILLES ARE SHOWN FOR QUANTITY AND GENERAL LOCATION. LOCATE DIFFUSERS WITHIN EXISTING CEILING GRID.
4. MECHANICAL CONTRACTOR TO INSTALL AND VERIFY KITCHEN EXHAUST DUCTWORK AS PER NFPA 96.
5. 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 REFERENCES. CONTRACTOR SHALL PROVIDE INTERFERENCE DRAWINGS TO CONSULTANT FOR REVIEW AND DIRECTION.
6. COORDINATE WITH BASE BUILDING PRIOR TO START OF WORK.
7. MECHANICAL CONTRACTOR TO RE-INSULATE ALL EXISTING DUCTWORK WITHIN THE SCOPE OF WORK. NOTE THAT THE EXISTING DUCTWORK SHOWN ON PLAN IS DIAGRAMATIC AND MAY NOT SHOW THE FULL EXTENT OF EXISTING DUCTWORK. CONTRACTOR SHALL SITE VERIFY AND RE-INSULATE ALL EXISTING DUCTWORK/PIPE EVEN IF IT IS NOT SHOWN ON THE PLANS.
8. KITCHEN EXHAUST DUCT SHALL BE WELDED AND MEET NFPA 96 AND LOCAL AUTHORITY REQUIREMENT. PROVIDE FIRE PROTECTED 20" X 20" KITCHEN DUCT SITE VERIFY PROVIDE ACCESS DOOR (AD) 20" X 20" AT EVERY CHANGE OF DIRECTION TO KITCHEN EXHAUST DUCTS.
9. CONTRACTOR SHALL BALANCE THE AIR FLOW AS SHOWN IN THE DRAWING AND PROVIDE AIR BALANCING REPORT TO THE ENGINEER FOR REVIEW.
10. PROVIDE BALANCING DAMPERS IN TAKEOFFS TO ALL DIFFUSERS, GRILLES AND BRANCH DUCTS.
11. CEILING MOUNTED EQUIPMENT SHALL BE INSTALLED WITH SUFFICIENT CLEARANCE FOR FUTURE MAINTENANCE. FOLLOW THE MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION.
12. DUCT LAYOUT AS SHOWN ON PLANS IS TO SHOW THE DESIGN INTENT. CONTRACTOR SHALL COORDINATE DUCT ROUTE AND ALL NECESSARY FITTINGS TO ACCOMMODATE THE SITE CONDITIONS AND TO MEET THE DESIGN INTENT.
13. EXISTING CONDITIONS HAVE BEEN BASED ON RECORD (AS-BUILT) DRAWINGS. THE ENGINEER IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS AND SHALL ADVISE THE ENGINEER OF ANY DISCREPANCIES BETWEEN AS-BUILT SITE CONDITIONS AND THOSE INDICATED ON THE DRAWINGS.

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Henry St H.S. Culinary Classroom
Renovation

500 Henry St, Whitby, ON L1N 1L4

Mechanical Level 1 New Construction Plan - HVAC

Project North



Scale: 1 : 50

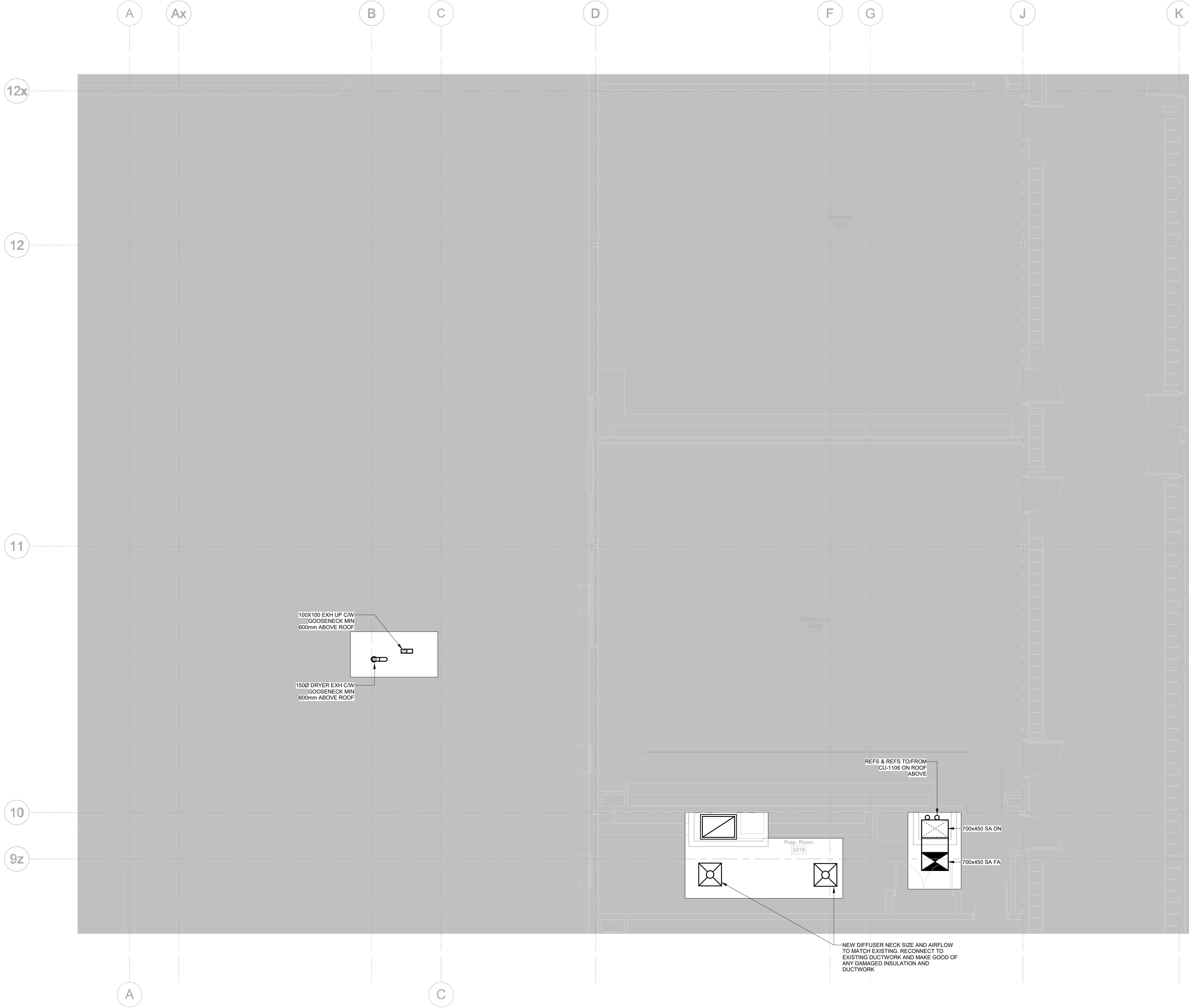
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Project Number: ED-25-052	
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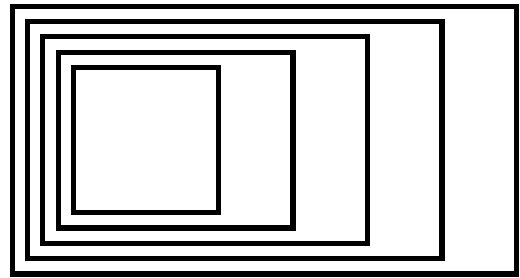
Drawn By:
Chirag Khatri

Checked By: A. Nakhaei-Zadeh	
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M-251



- HVAC DRAWING NOTES:**
- TEMPERATURE SENSORS SHALL BE INSTALLED 1200 MM (48 IN) ABOVE FINISHED FLOOR.
 - ALL CONTROL WIRING FROM EQUIPMENT TO WALL MOUNTED THERMOSTATS SHALL BE INSTALLED NEATLY AND TIGHT TO UNDERSIDE OF SLAB STRUCTURE.
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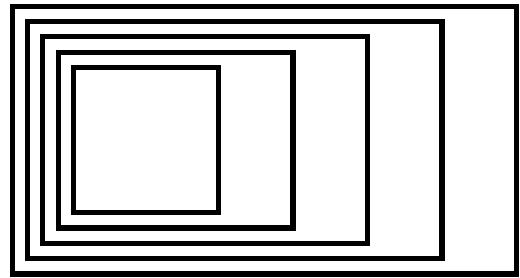
Henry St H.S. Culinary Classroom Renovation

600 Henry St, Whitby, ON L1N 1L4

Mechanical Level 2 New Construction Plan - HVAC

Scale: 1 : 50		<div>Project North</div>
Project Number: ED-25-052		
Drawn By: Chirag Khatri		
Checked By: A. Nakhaei-Zadeh		

M-252



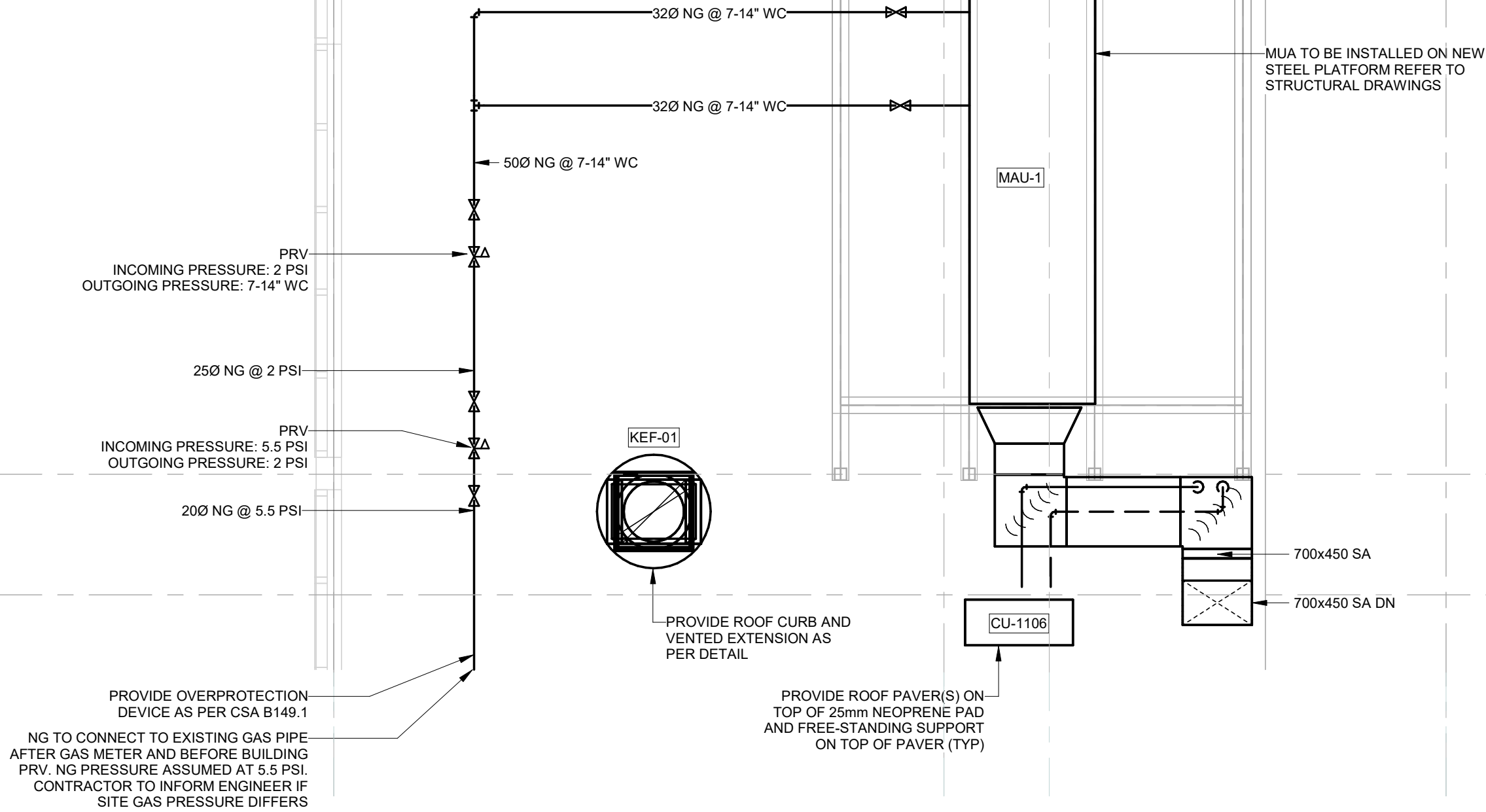
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NATURAL GAS NOTES:

ALL NATURAL GAS PIPING, COMPONENTS, ACCESSORIES, AND ASSOCIATED INSTALLATIONS SHALL CONFORM TO THE LATEST EDITION OF CSA B149.1 - NATURAL GAS AND PROPANE INSTALLATION CODE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH THIS CODE, INCLUDING BUT NOT LIMITED TO MATERIAL SELECTION, INSTALLATION PRACTICES, TESTING, PURGING, AND SAFETY REQUIREMENTS.

- HVAC DRAWING NOTES:**
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Henry St H.S. Culinary Classroom
Renovation

600 Henry St, Whitby, ON L1N 1L4

Mechanical Roof New
Construction Plan - HVAC
& Plumbing



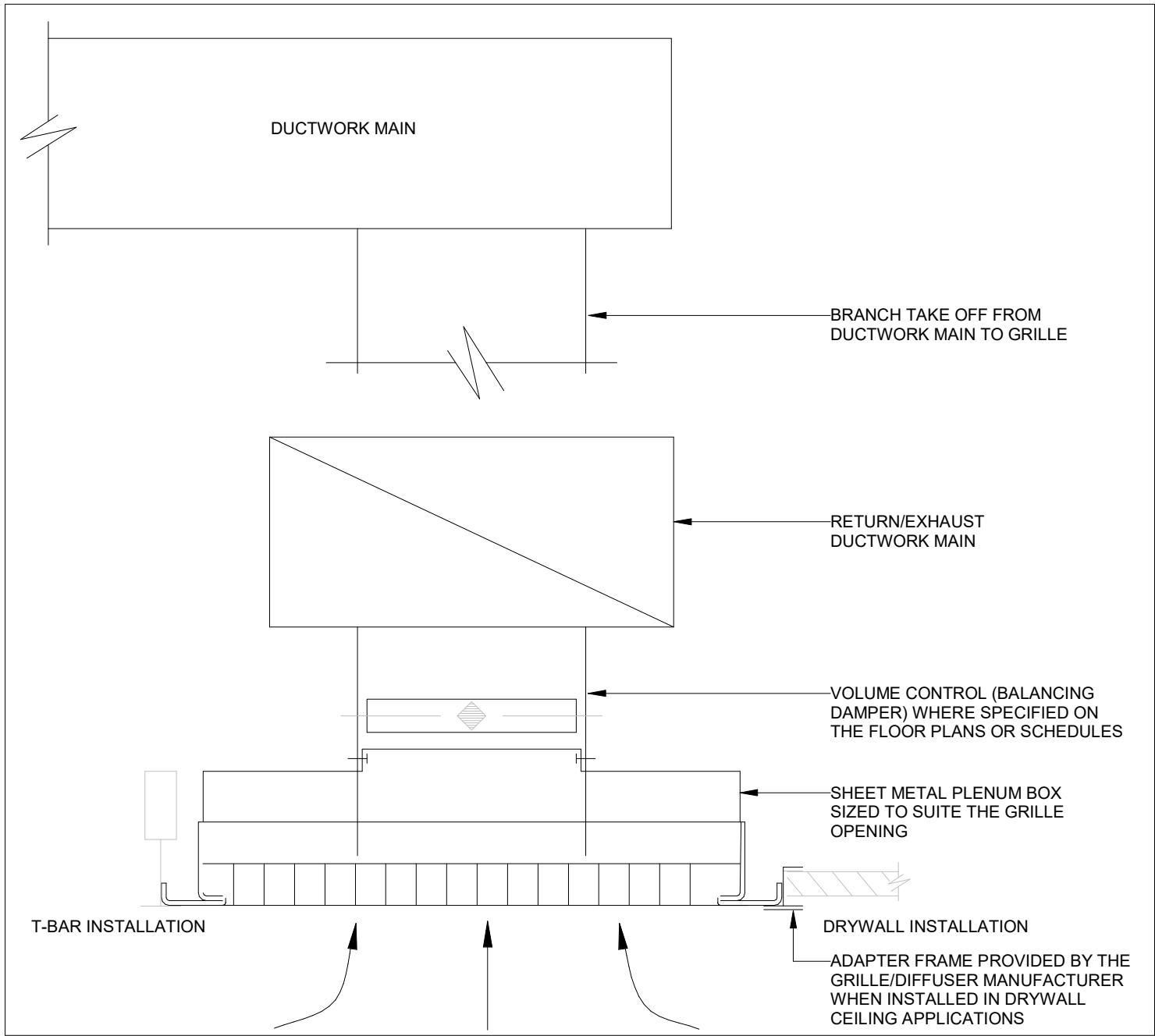
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ED-25-052

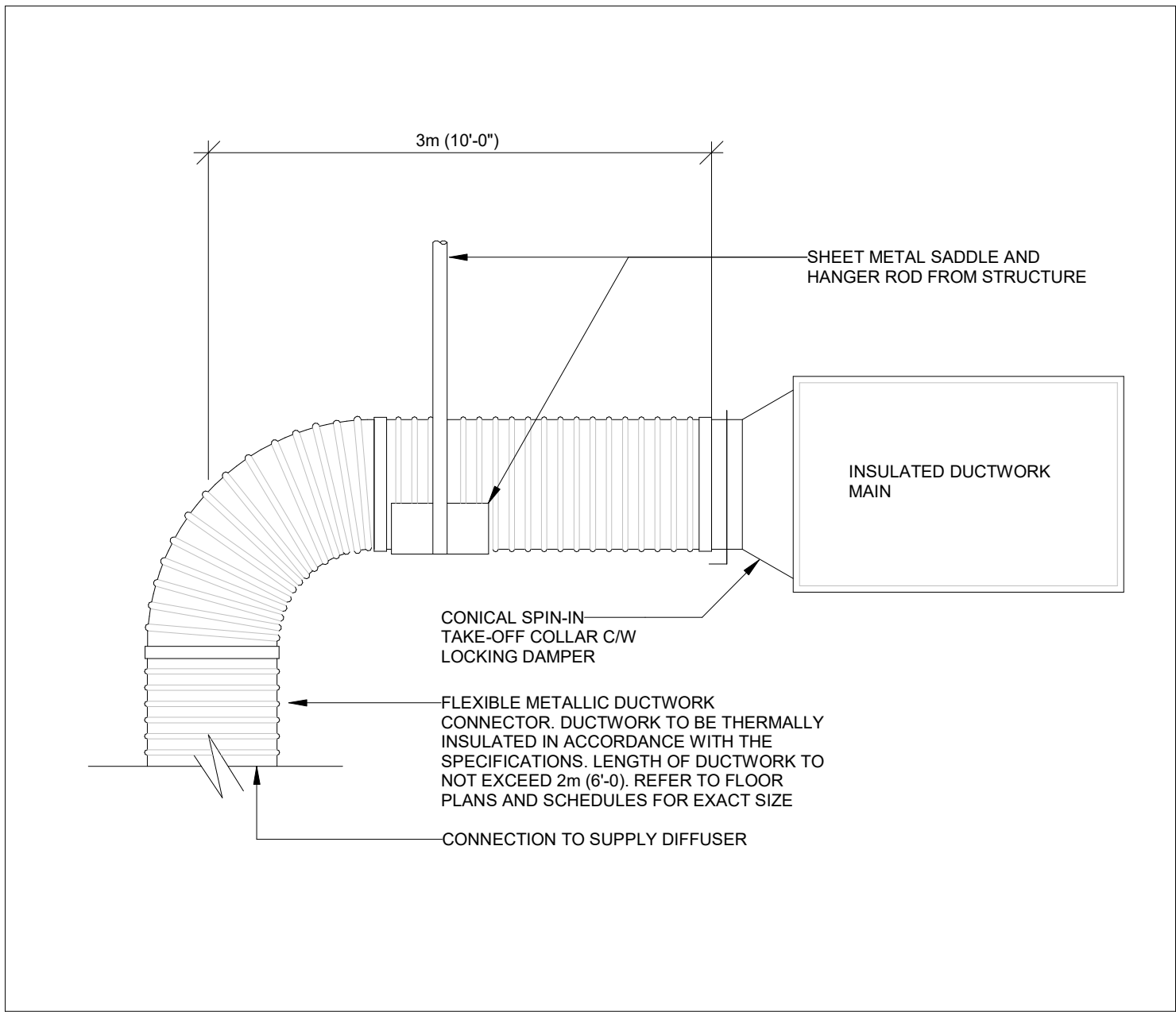
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Chirag Khatri

Checked By:
A. Nakhaei-Zadeh

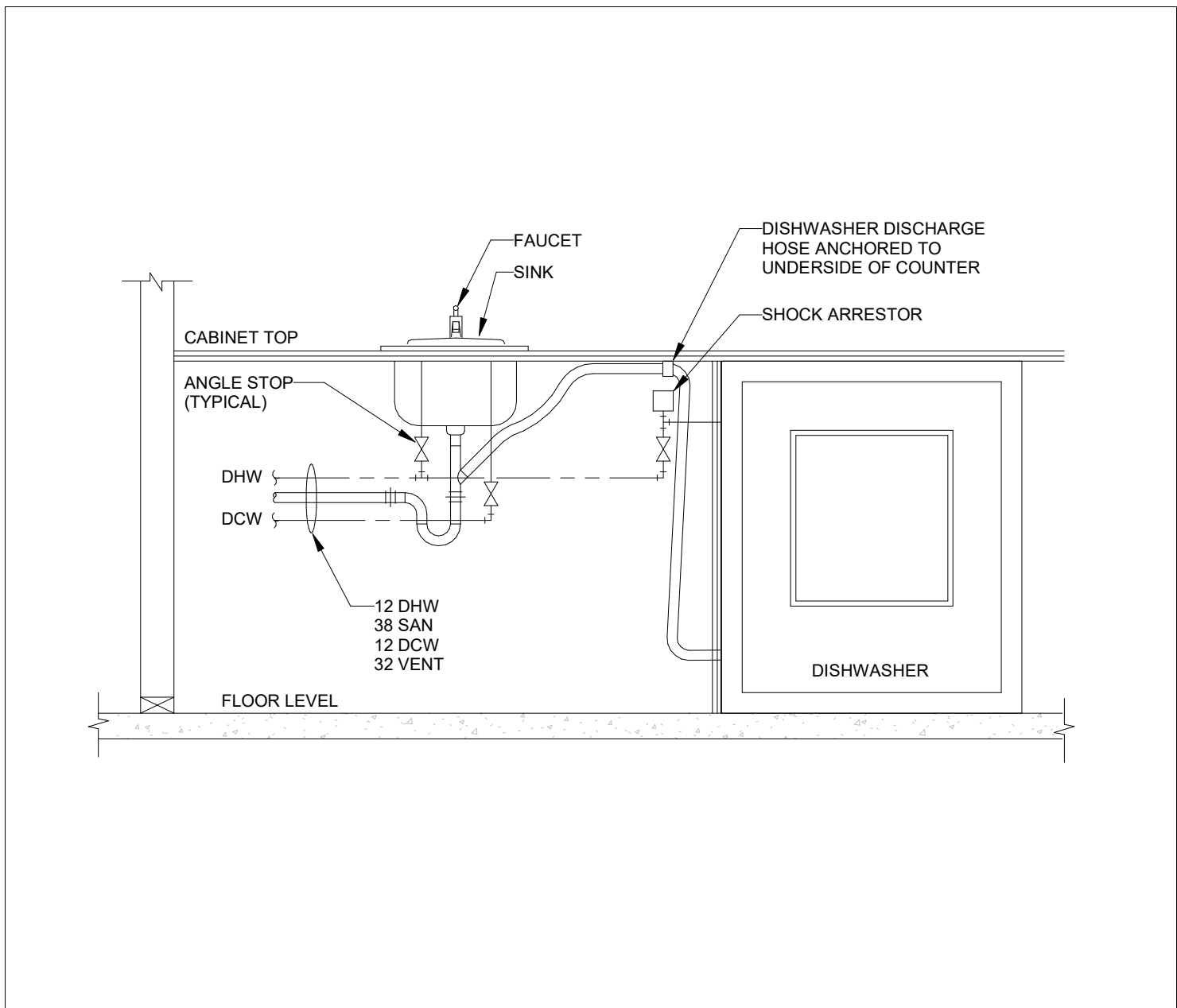
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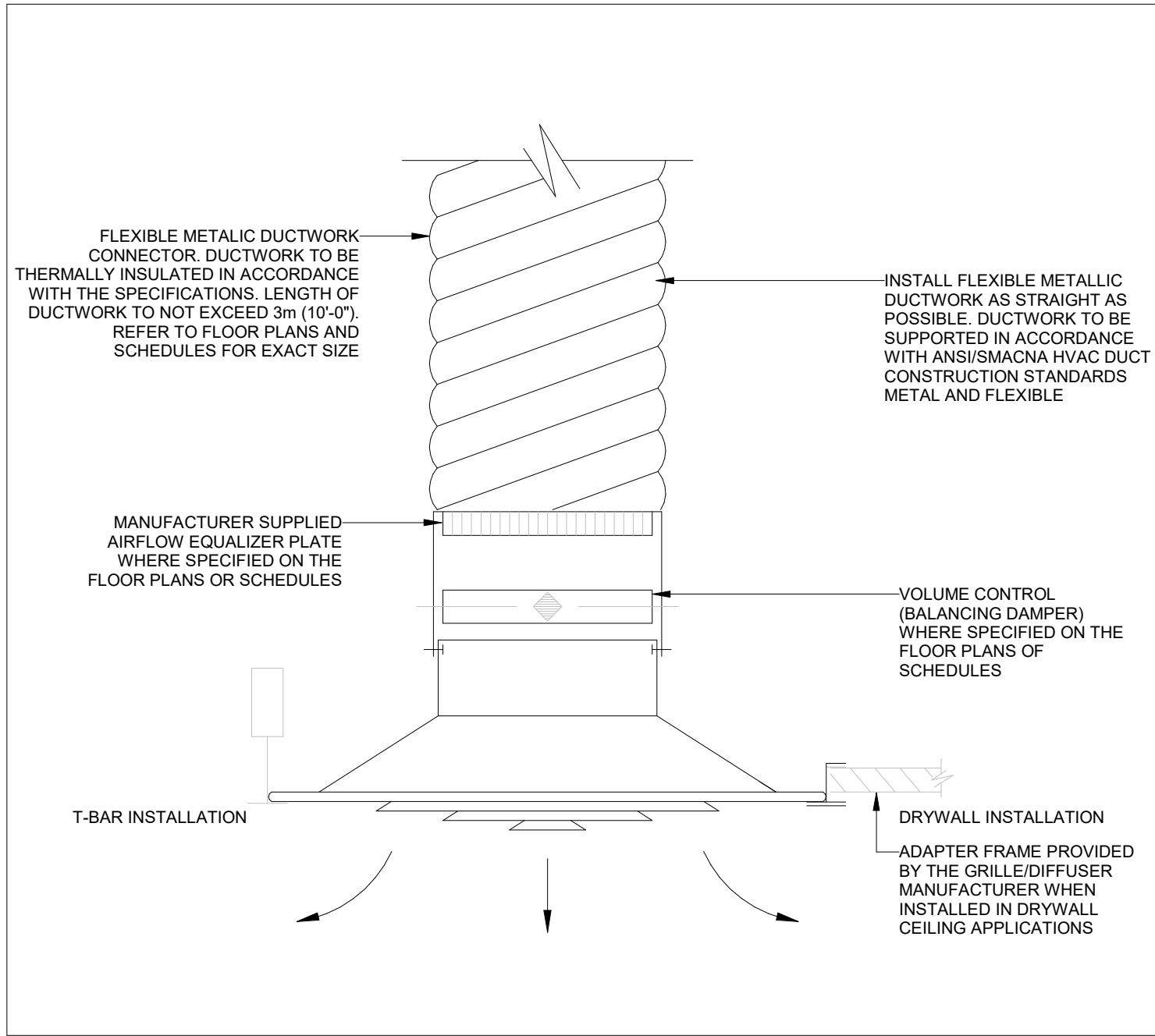
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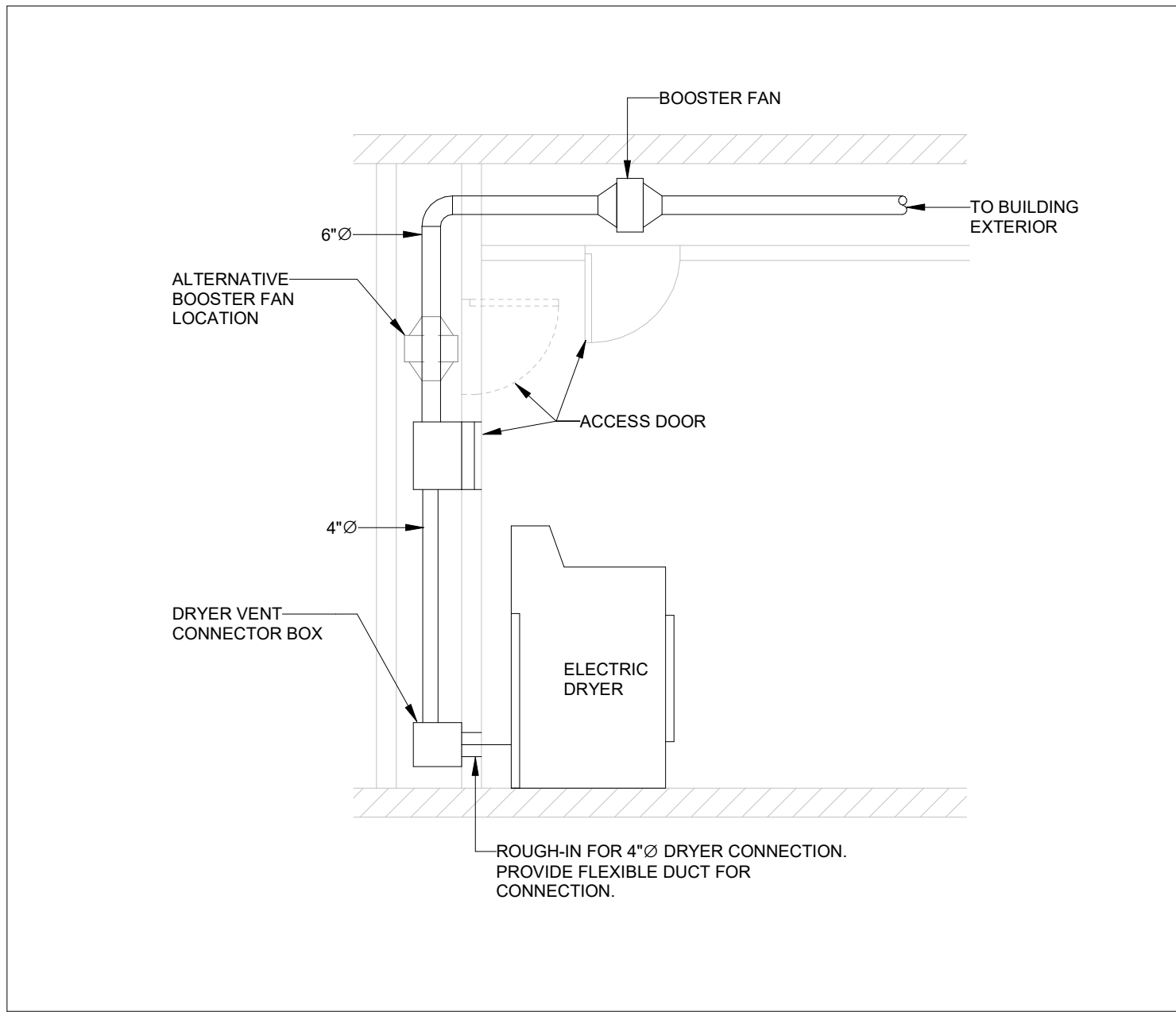
6 23 30 09.01 FLEXIBLE METALLIC DUCTWORK
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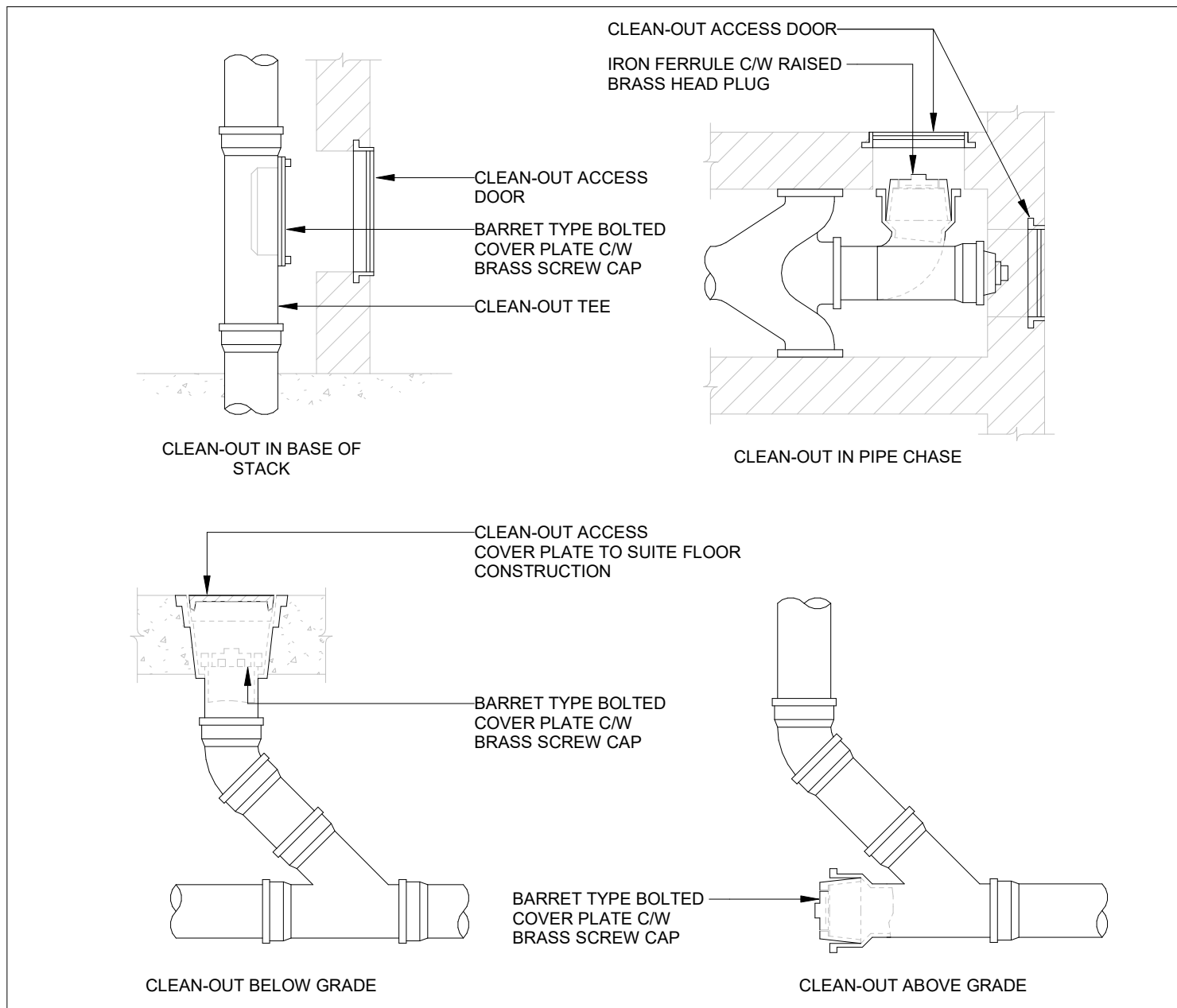
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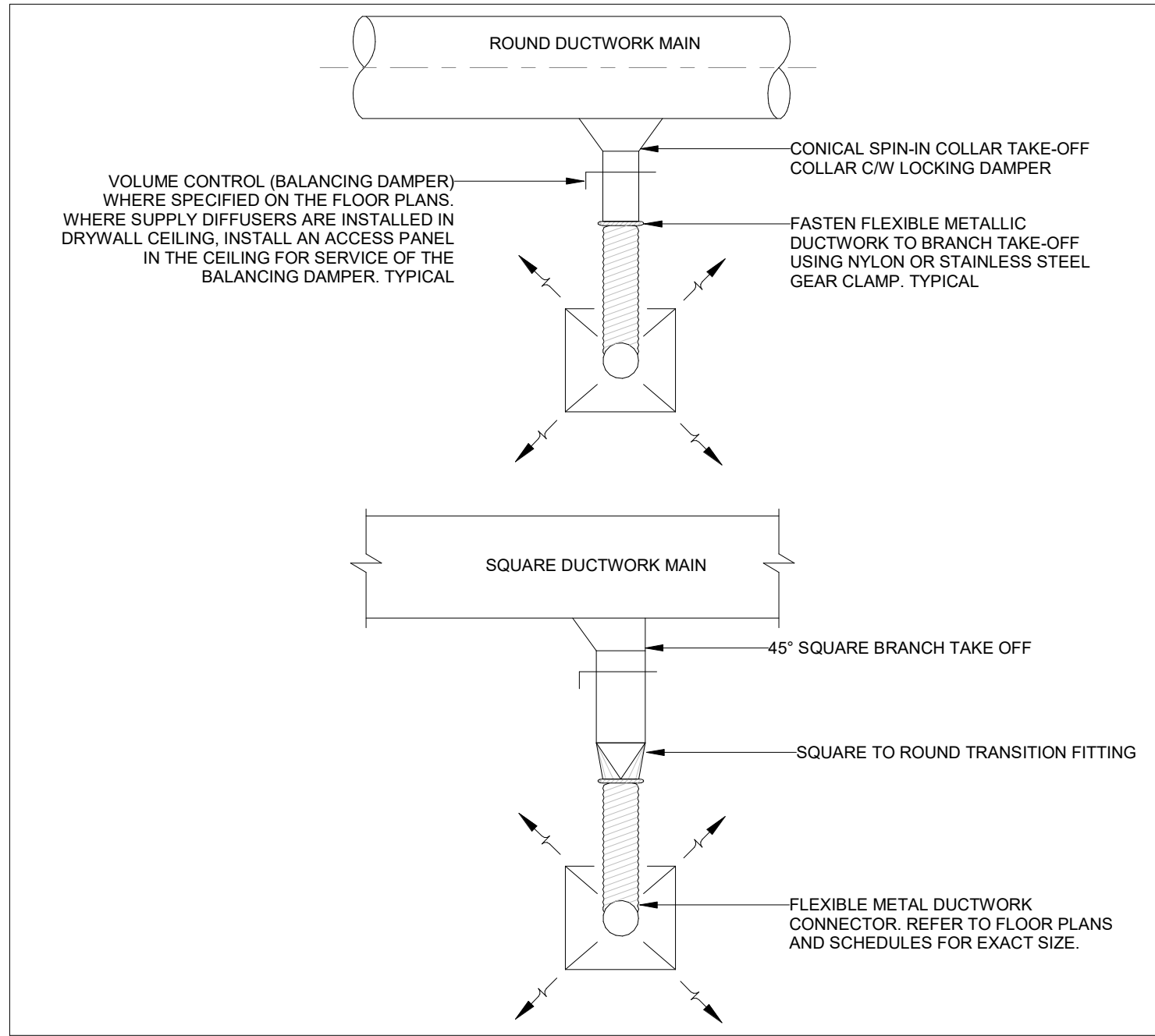
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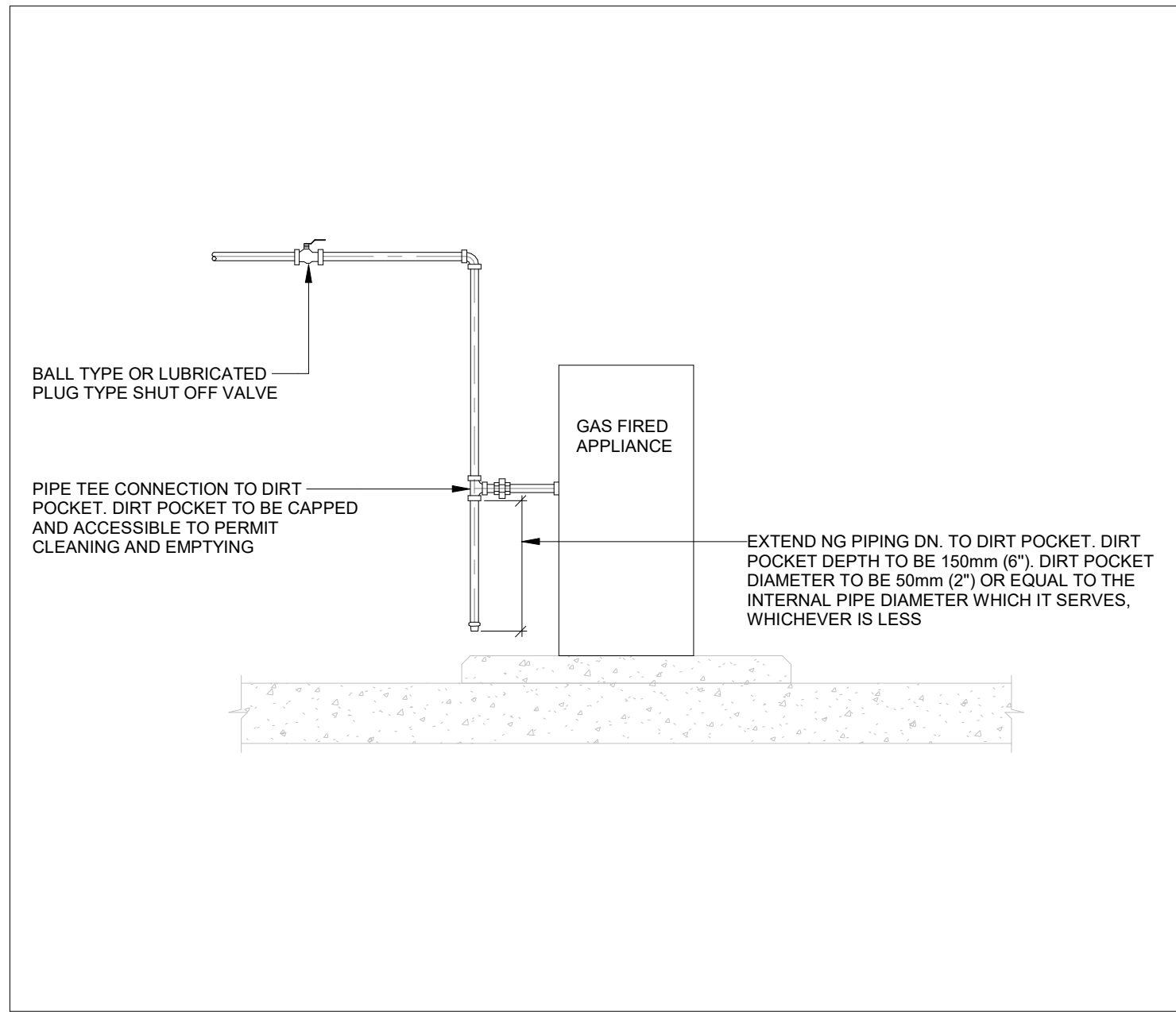
5 LAUNDRY DRYER EXHAUST WITH INLINE BOOSTER FAN
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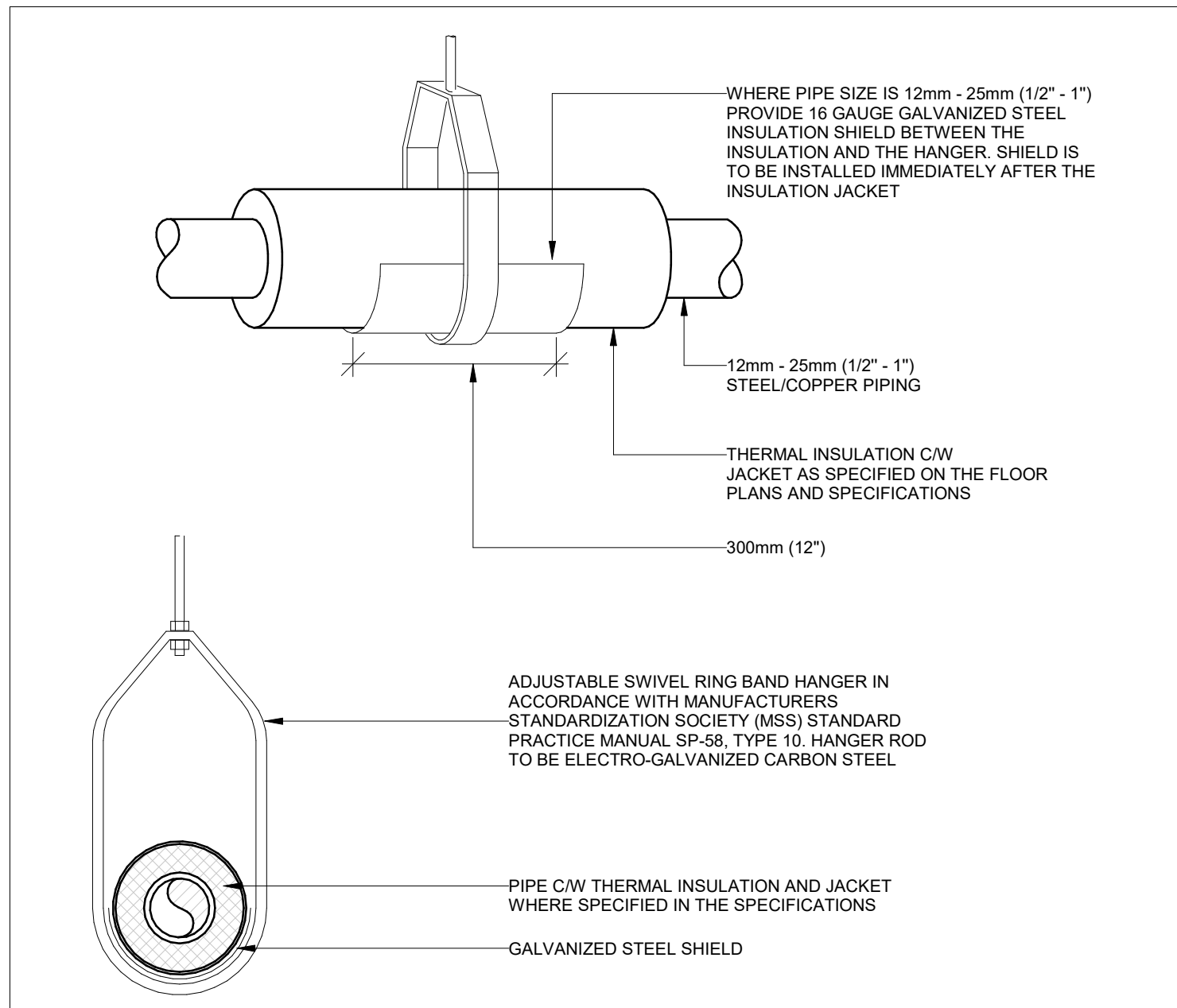
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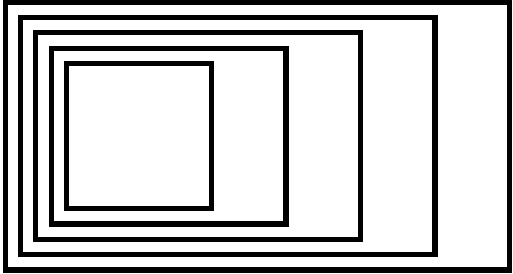
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4 23 11 23.01 NATURAL GAS EQUIPMENT CONNECTION
SCALE:N.T.S.



1 20 05 00.03 PIPING HANGERS AND SUPPORTS
SCALE:N.T.S.



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Henry St H.S. Culinary Classroom Renovation

600 Henry St, Whitby, ON L1N 1L4

Mechanical Detail Sheet No. 1

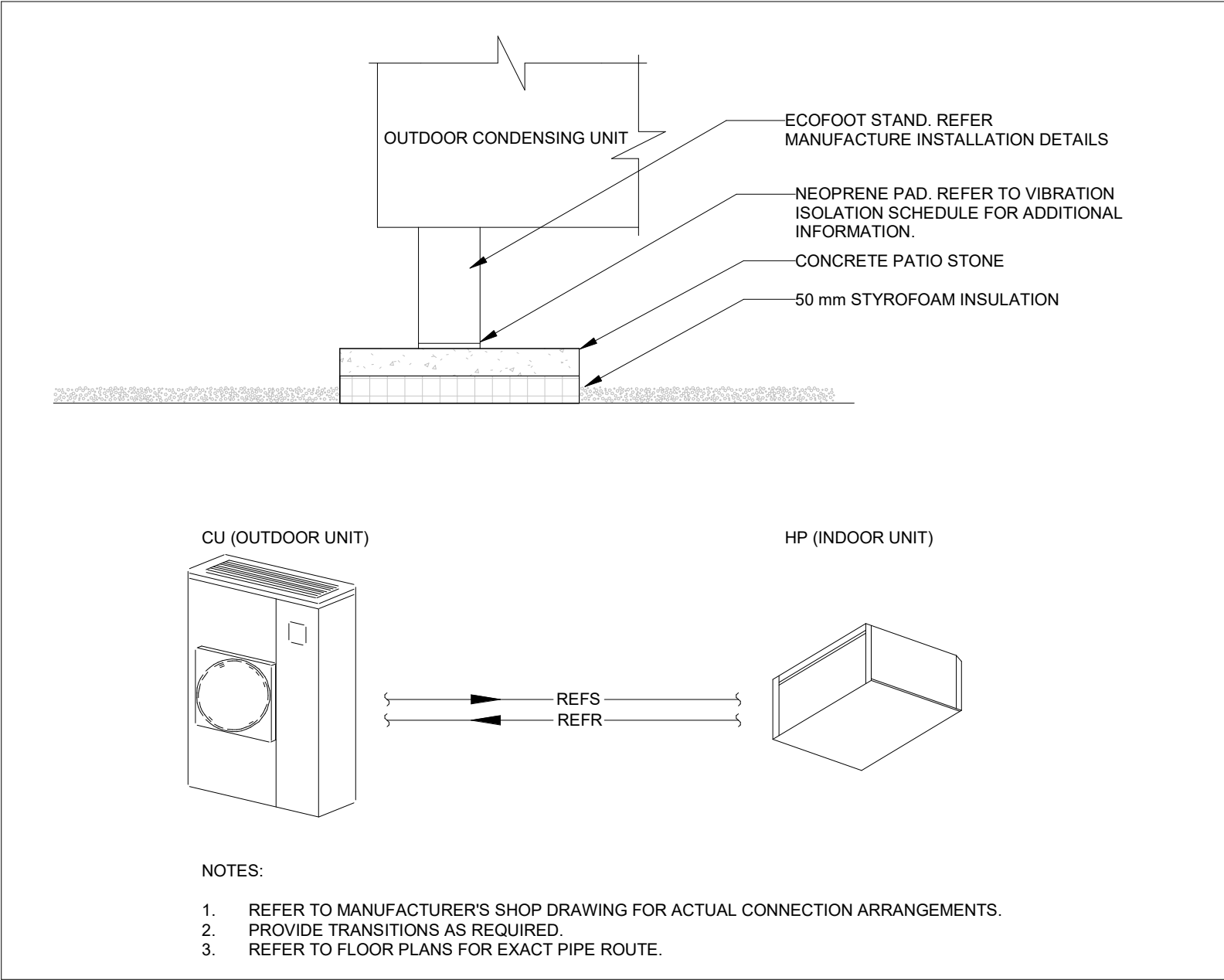
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Project Number: ED-25-052

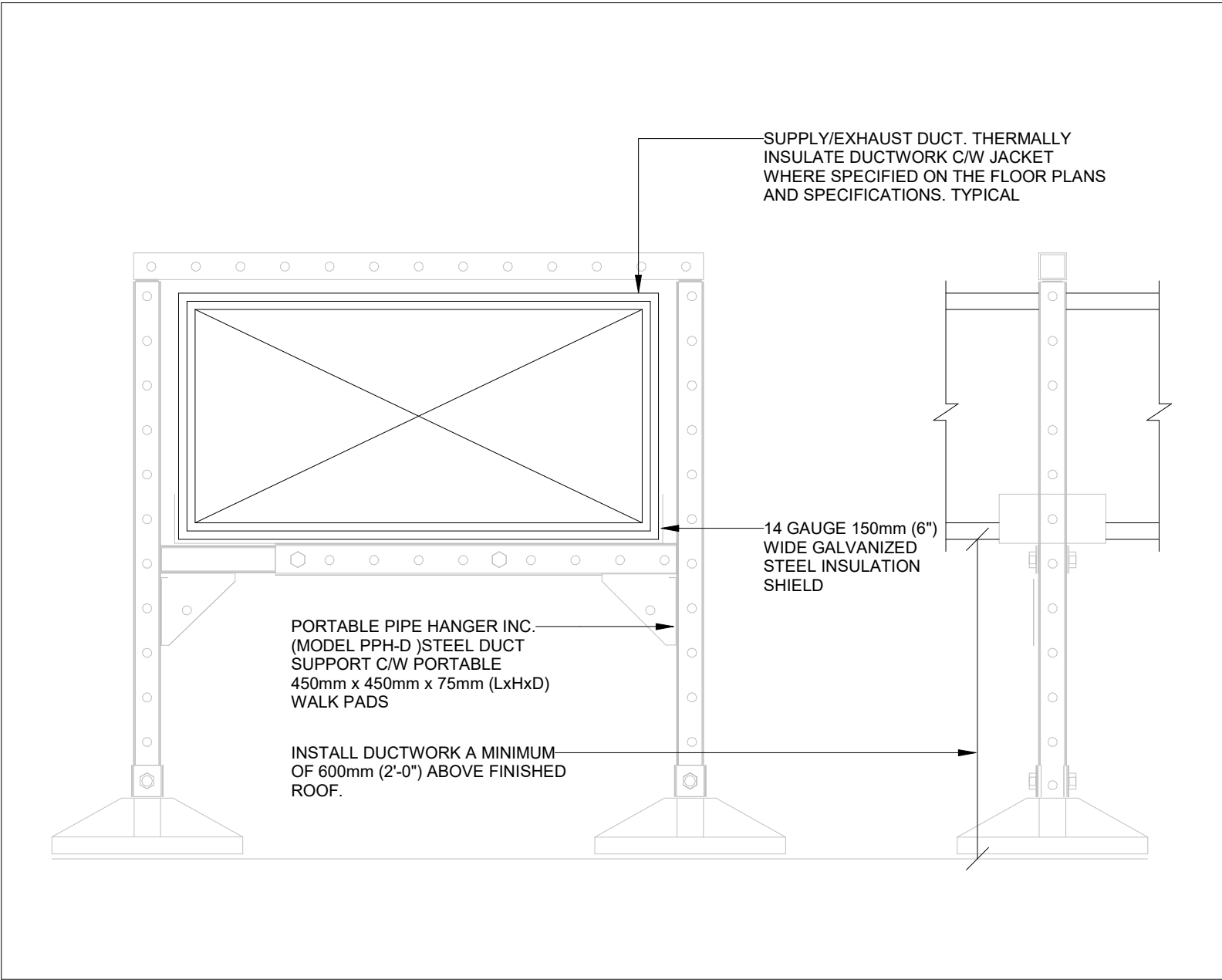
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Checked By: A. Nakhaei-Zadeh

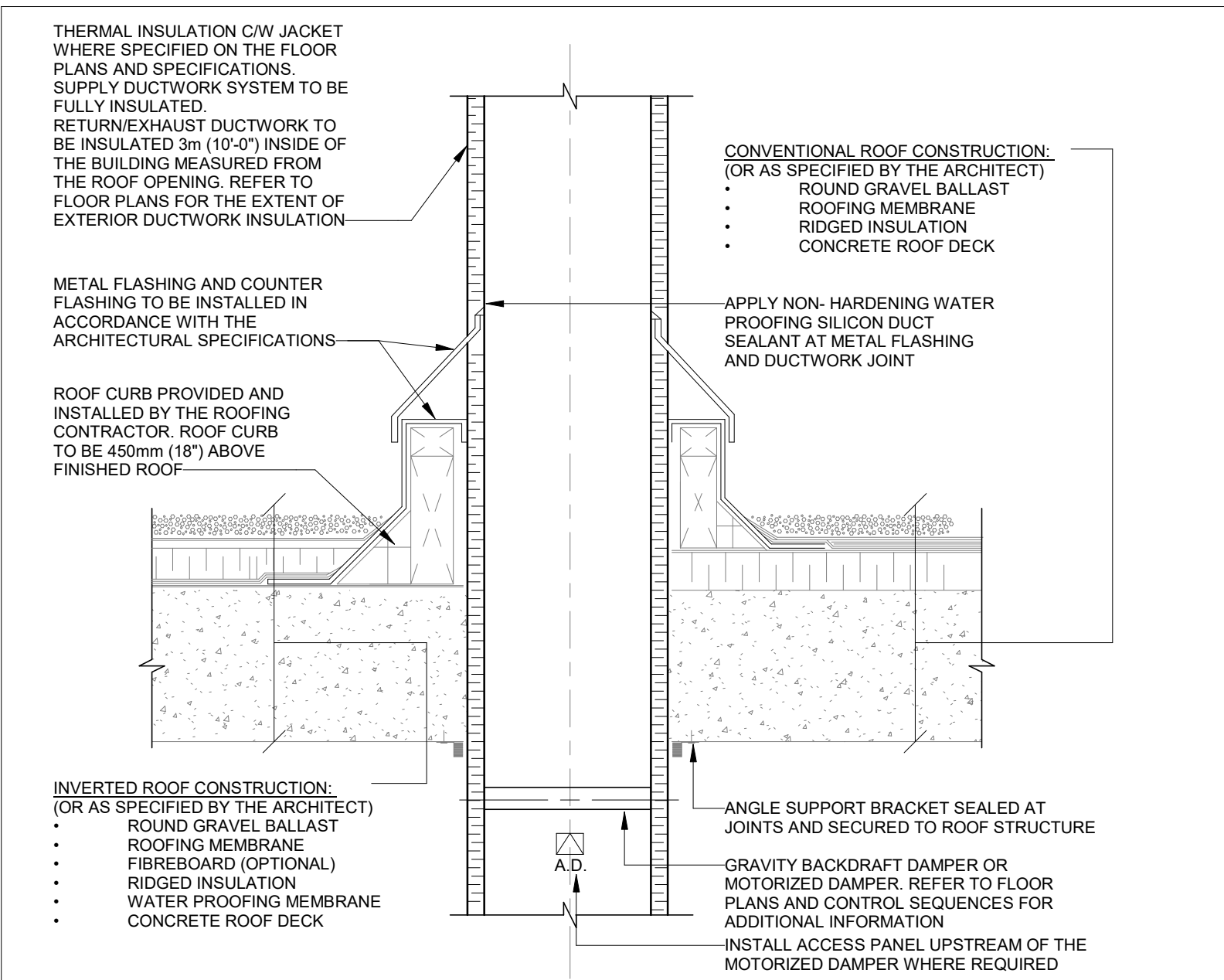
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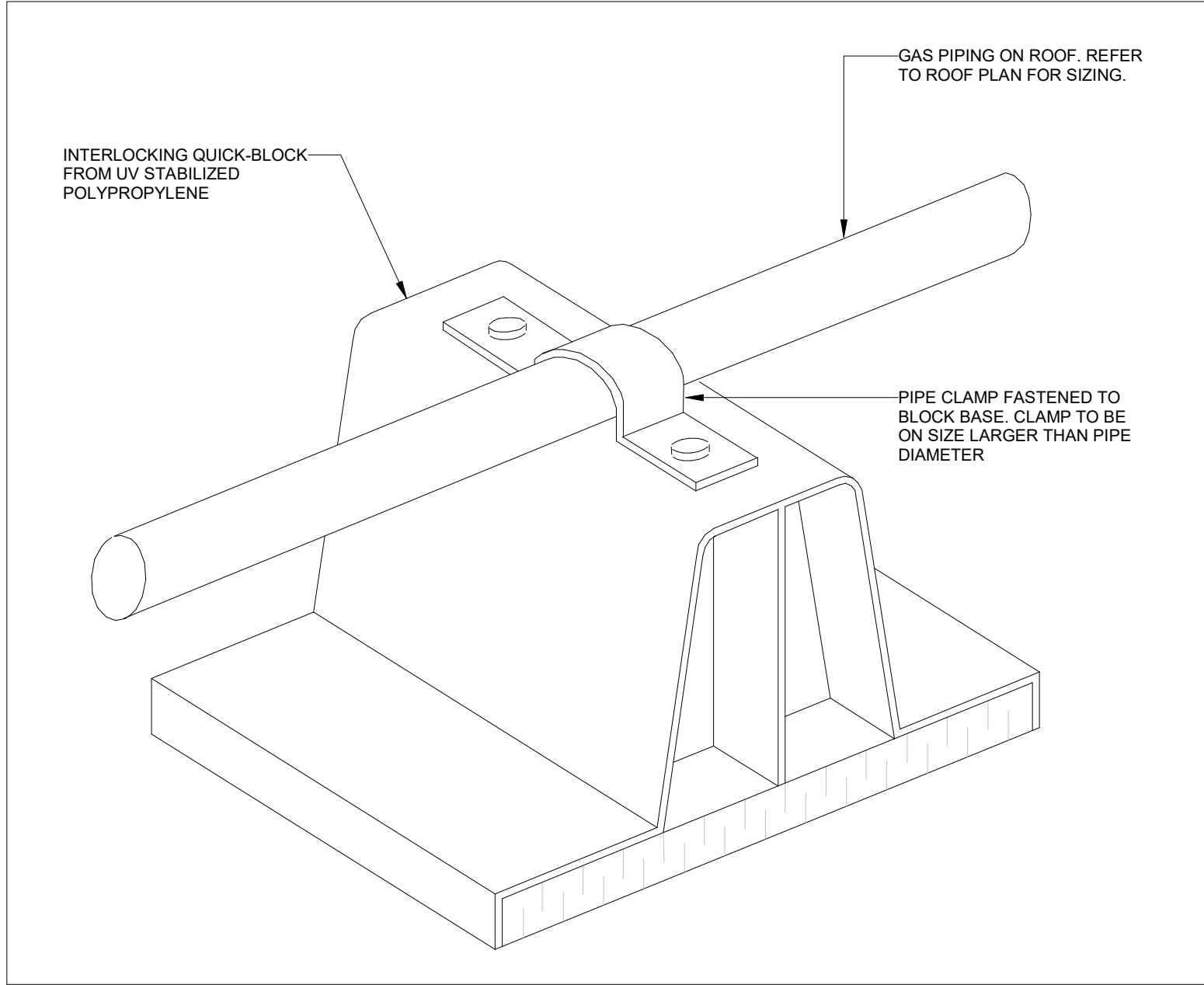
9 OUTDOOR CONDENSING UNIT
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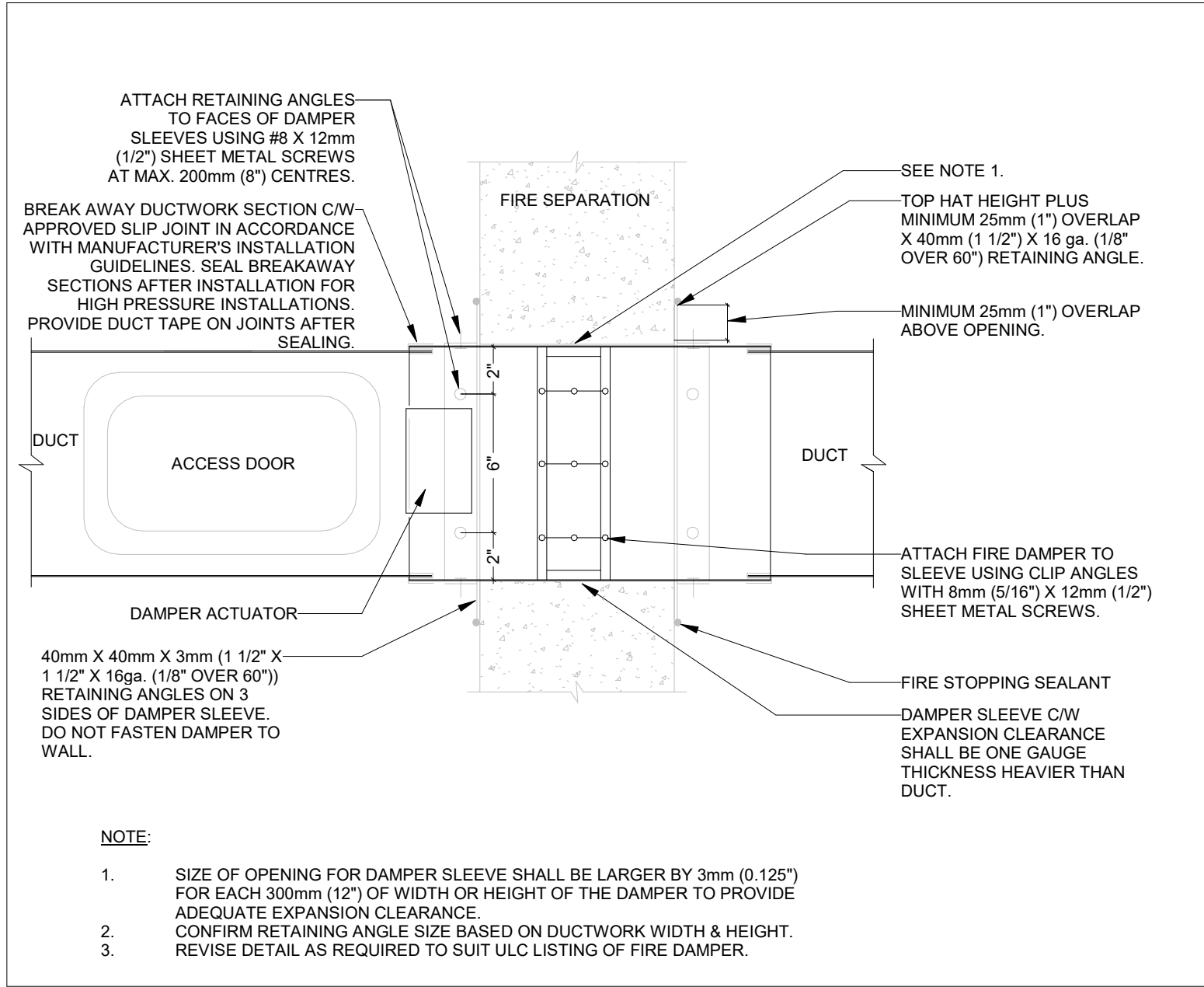
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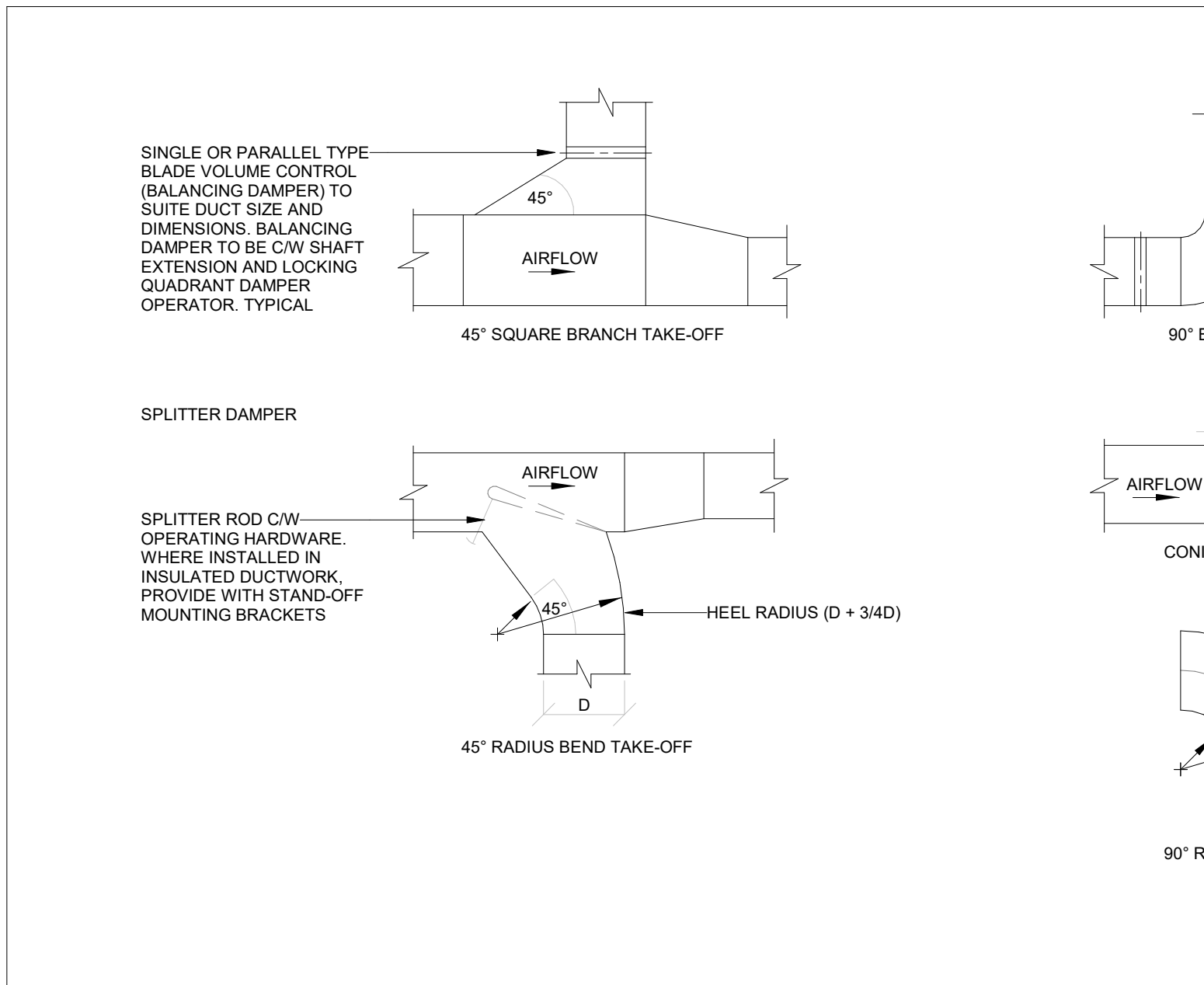
2 20 05 00.01 DUCTWORK ROOF PENETRATION & FLASHING
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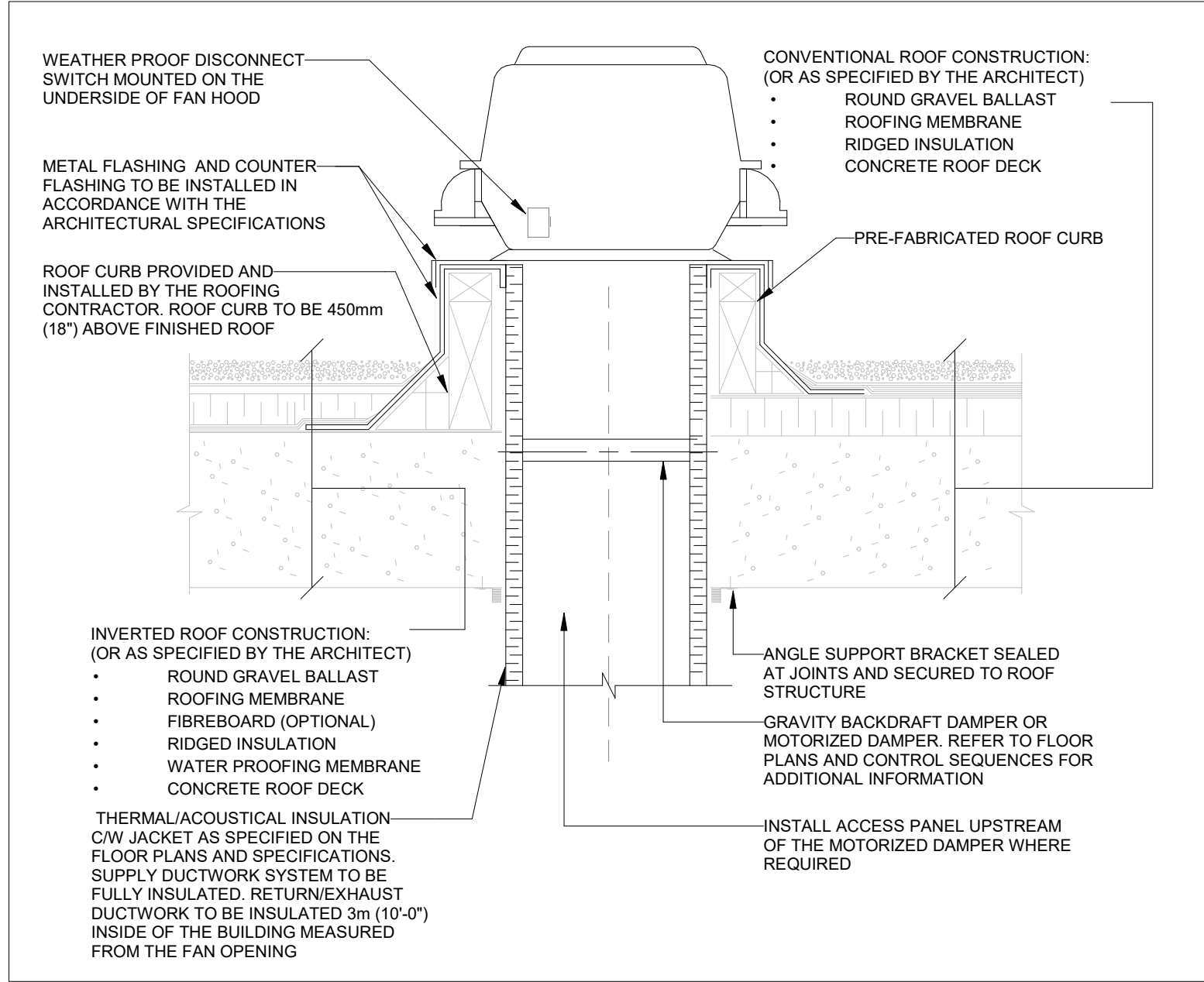
8 GAS PIPING ON ROOF - SUPPORT DETAIL
SCALE:N.T.S.



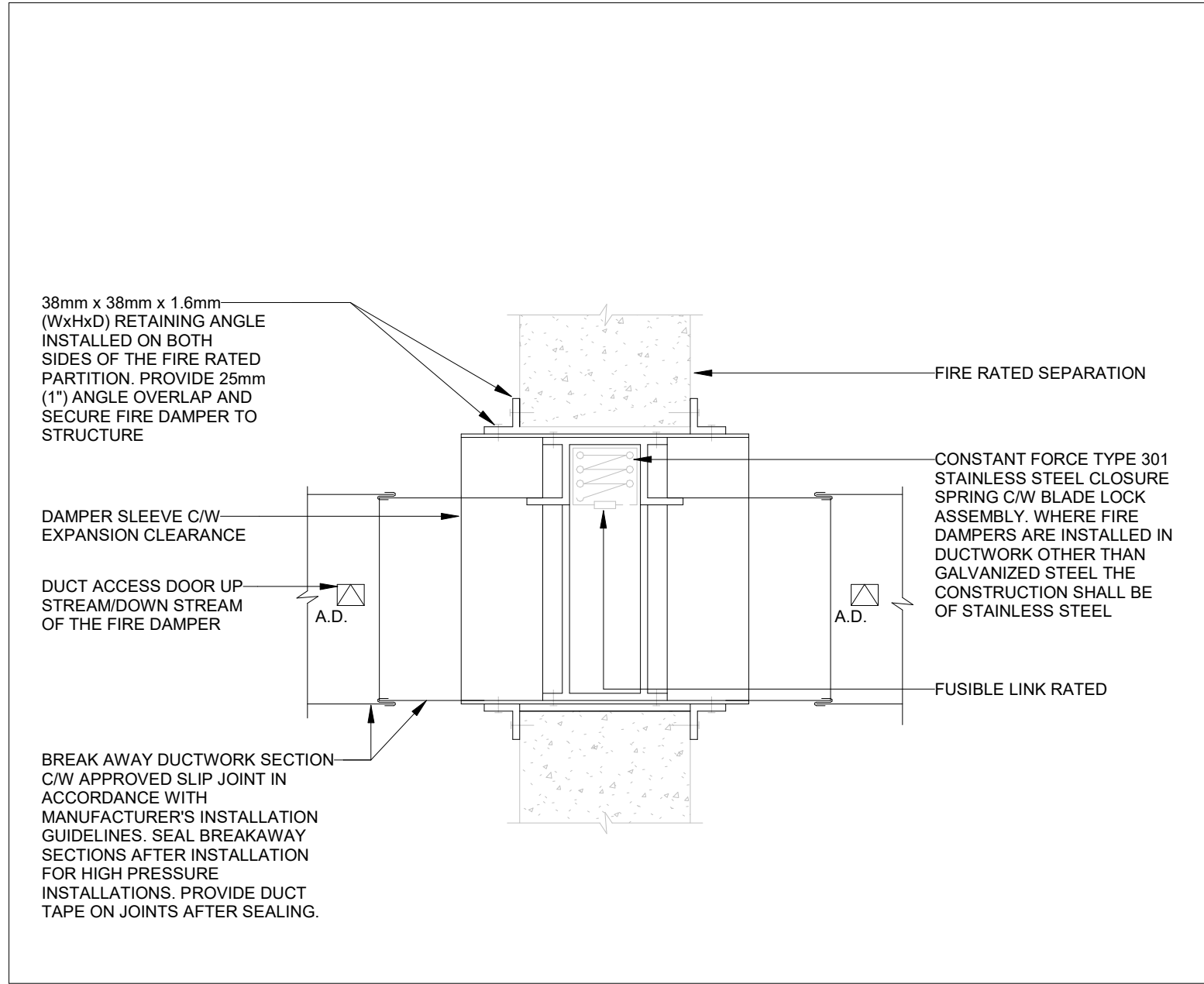
4 23 30 29.02 COMBINATION FIRE SMOKE DAMPER
SCALE:N.T.S.



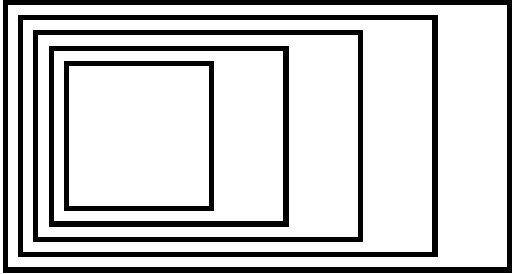
1 23 30 00.01 DUCTWORK FITTINGS & TAKE-OFF'S
SCALE:N.T.S.



7 23 34 00.08 ROOF MOUNTED EXHAUST FAN
SCALE:N.T.S.



3 23 30 29.01 FUSIBLE LINK DAMPER
SCALE:N.T.S.



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2	ISSUED FOR PERMIT AND TENDER	10/31/2025
1	ISSUED FOR 90% CD - CLIENT REVIEW	10/09/2025

No.	ISSUED/REVISED	DATE
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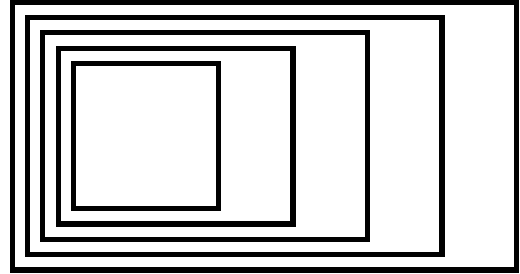
Henry St H.S. Culinary Classroom
Renovation

600 Henry St, Whitby, ON L1N 1L4

Mechanical Detail Sheet
No. 2

Scale: N.T.S.	Project North
Project Number: ED-25-052	
Drawn By: Chirag Khatri	
Checked By: A. Nakhaei-Zadeh	

M-302



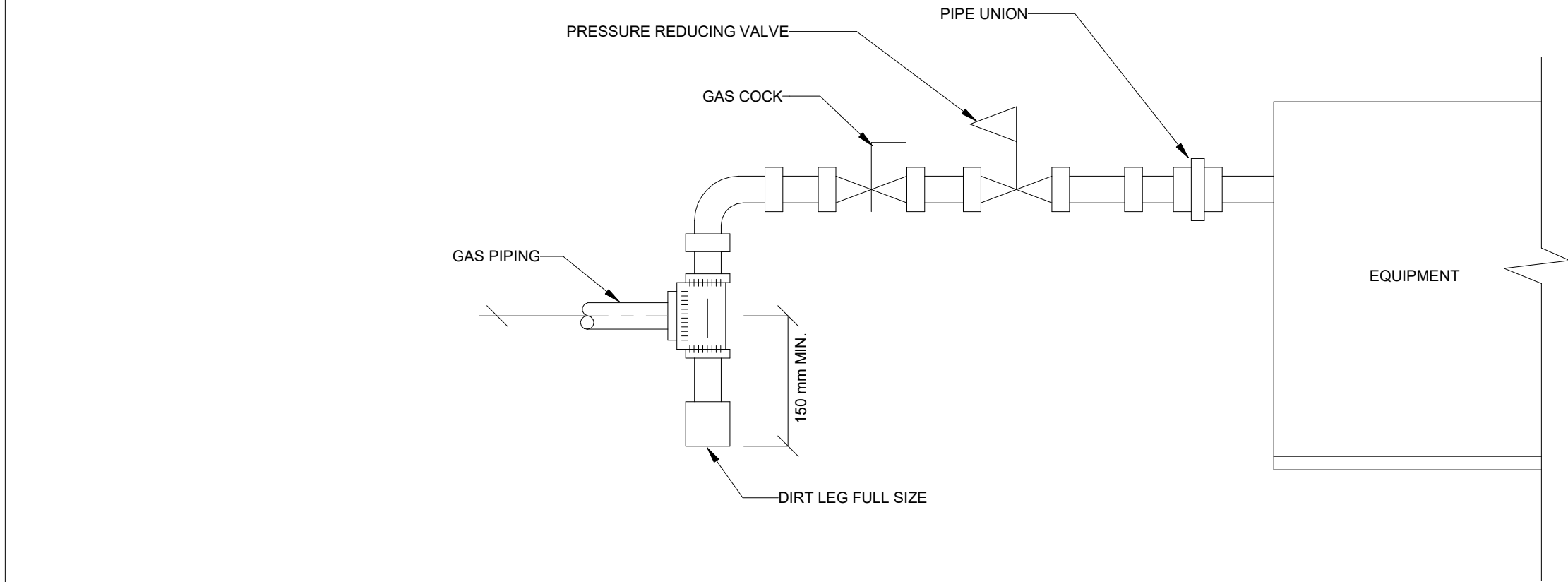
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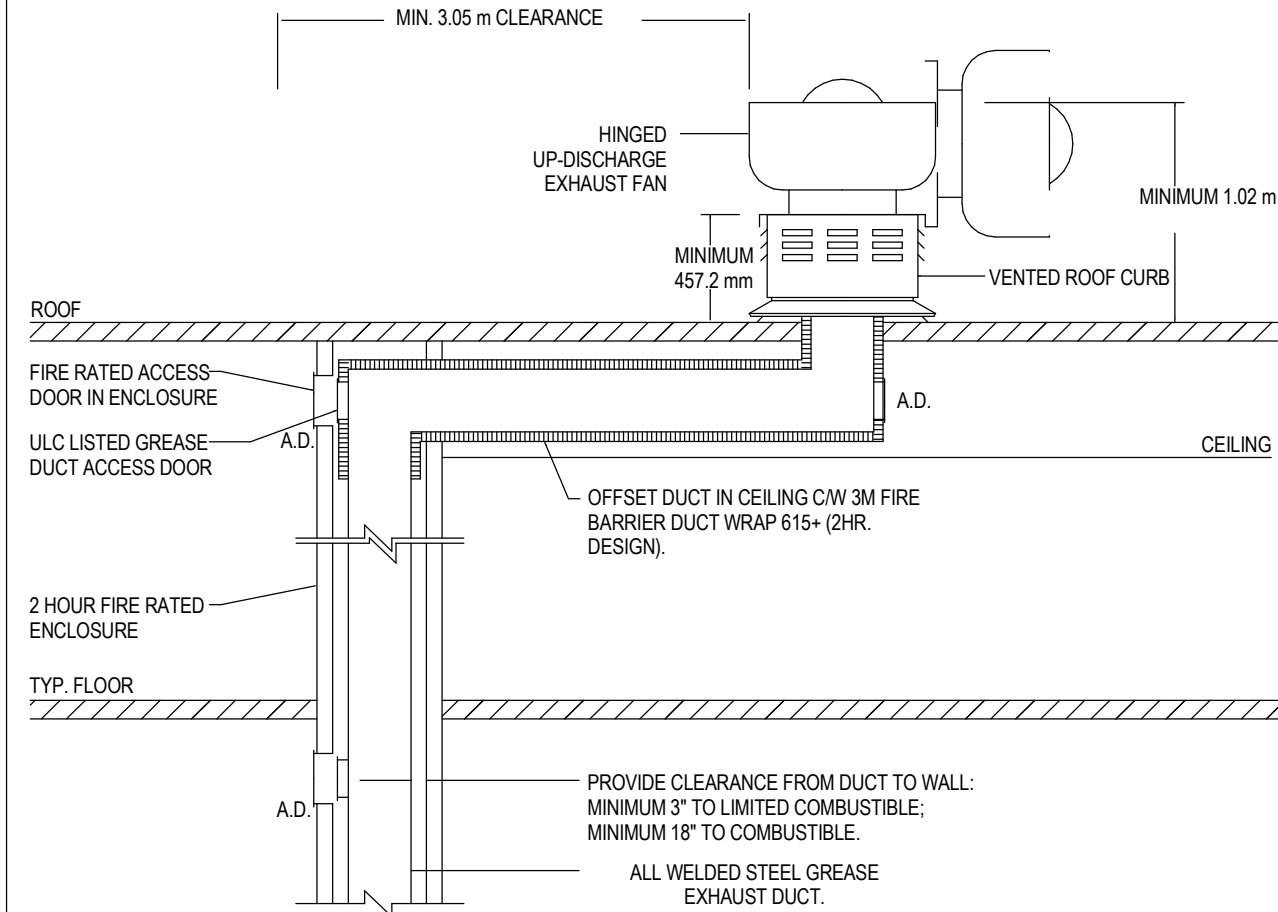


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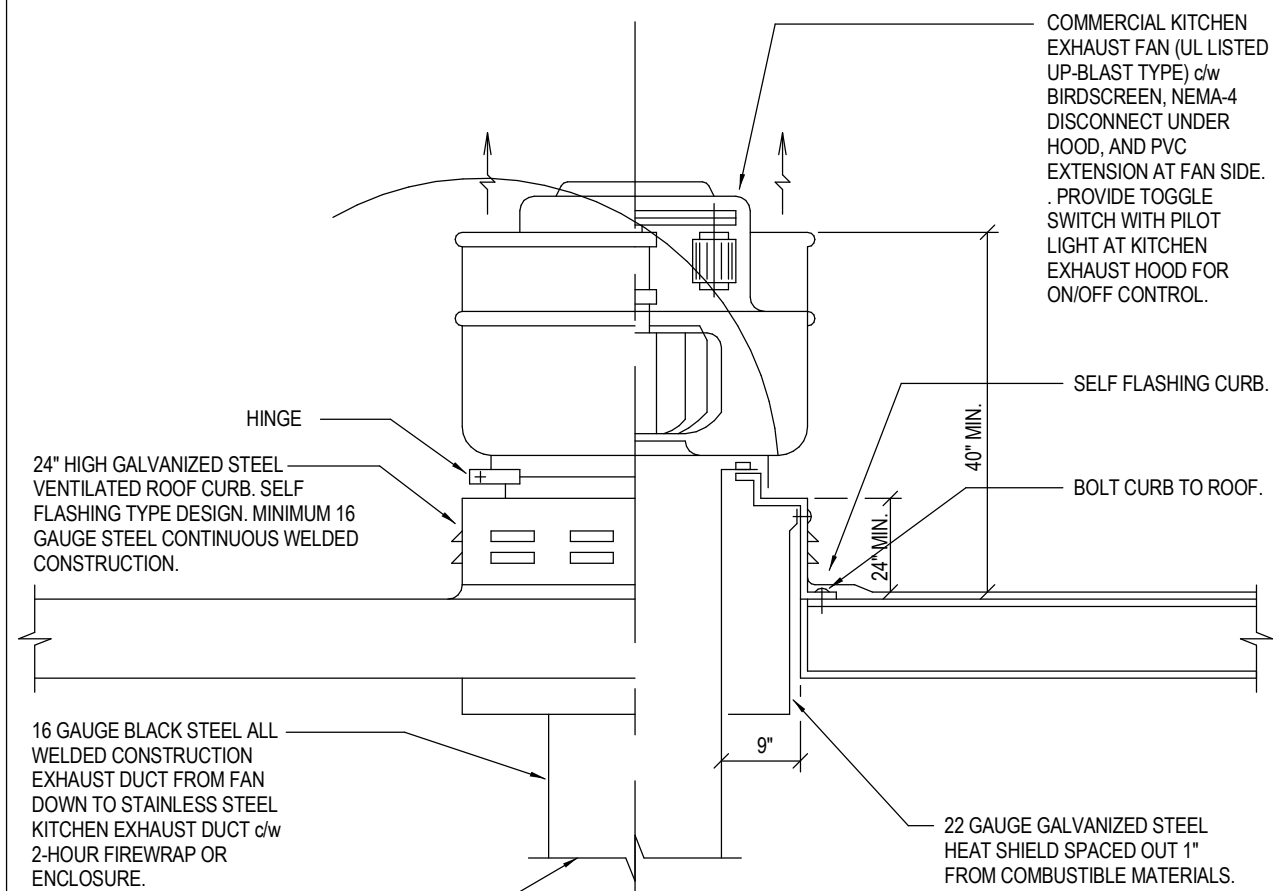
GAS PIPE CONNECTION TO EQUIPMENT

SCALE: N.T.S.



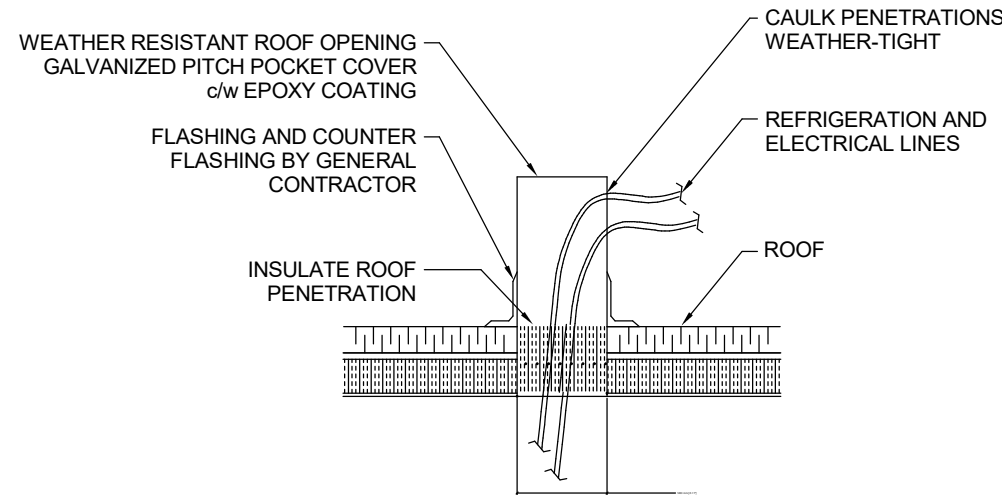
NOTE:
1. EXHAUST FAN AND DUCTWORK TO BE INSTALLED AS PER N.F.P.A. 96

6 KITCHEN EXHAUST SYSTEM
SCALE: N.T.S.



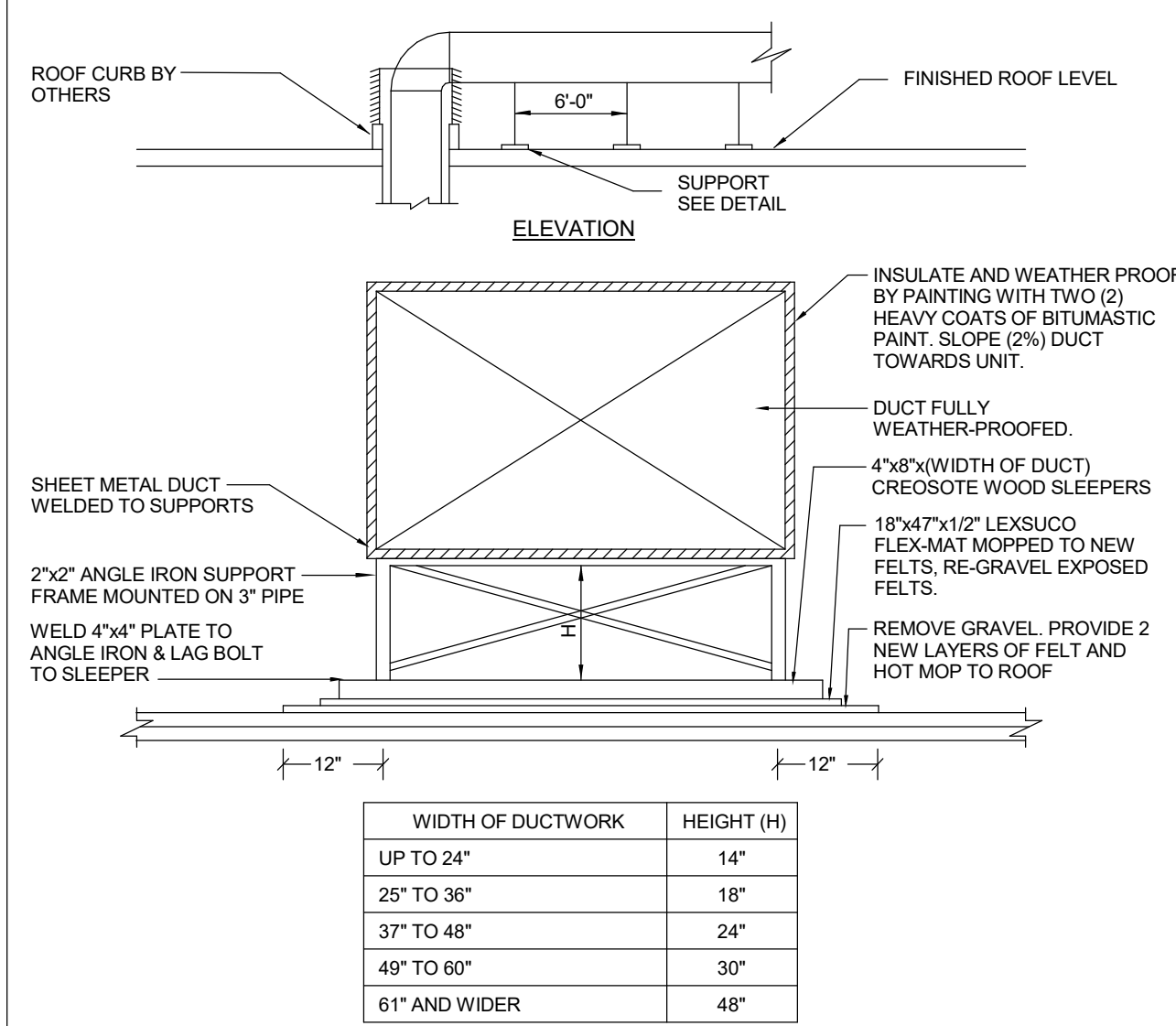
NOTES:
1. ROOF CURB SHALL BE 24" MINIMUM ABOVE FINISHED ROOF WITH FACTORY INSTALLED WOOD NAILER, 1-1/2" THICK INSULATION, CONTINUOUSLY WELDED SEAMS, DAMPER TRAY, AND A CONTINUOUS NON-CORROSIVE PIANO TYPE CURB HINGE TO PERMIT ACCESS TO THE FAN, DAMPER AND CONNECTING DUCT, COMPLETE WITH RETAINING CHAIN AND A SECURITY HASP.
2. BRACE AND SECURE THE UNIT IN ACCORDANCE WITH SEISMIC CONTROL AND RESTRAINT REQUIREMENTS.
3. INCLUDE FOR 2 HOUR ON-SITE OPERATION DEMONSTRATION AND TRAINING SESSION. TRAINING IS TO BE A FULL REVIEW OF ALL COMPONENTS INCLUDING BUT NOT LIMITED TO A FULL OPERATION AND MAINTENANCE DEMONSTRATION.
4. MOUNTING DETAILS TO BE ADJUSTED AS REQUIRED TO SUIT MAKE OF EQUIPMENT.
5. NEW KITCHEN FAN AND DUCT INSTALLATION THROUGH ROOF TO NFPA 96 CODE REQUIREMENTS.

3 KITCHEN EXHAUST FAN
SCALE: N.T.S.



NOTES:
1) RETAIN SERVICES OF BASE BUILDING ROOFER.
2) COORDINATE WITH ELECTRICAL FOR CONDUIT ROUTING.
3) REFER TO MECHANICAL DRAWING FOR SIZE AND LOCATION.

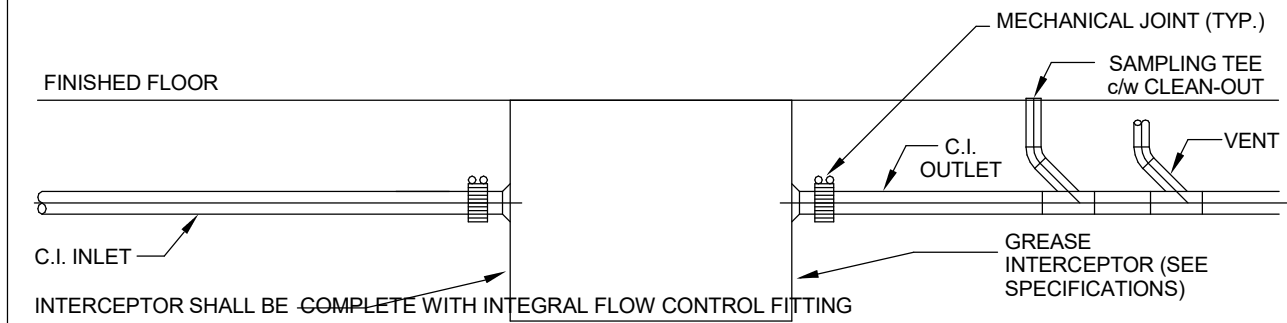
5 REFRIGERATION TUBING ROOF PENETRATION
SCALE: N.T.S.



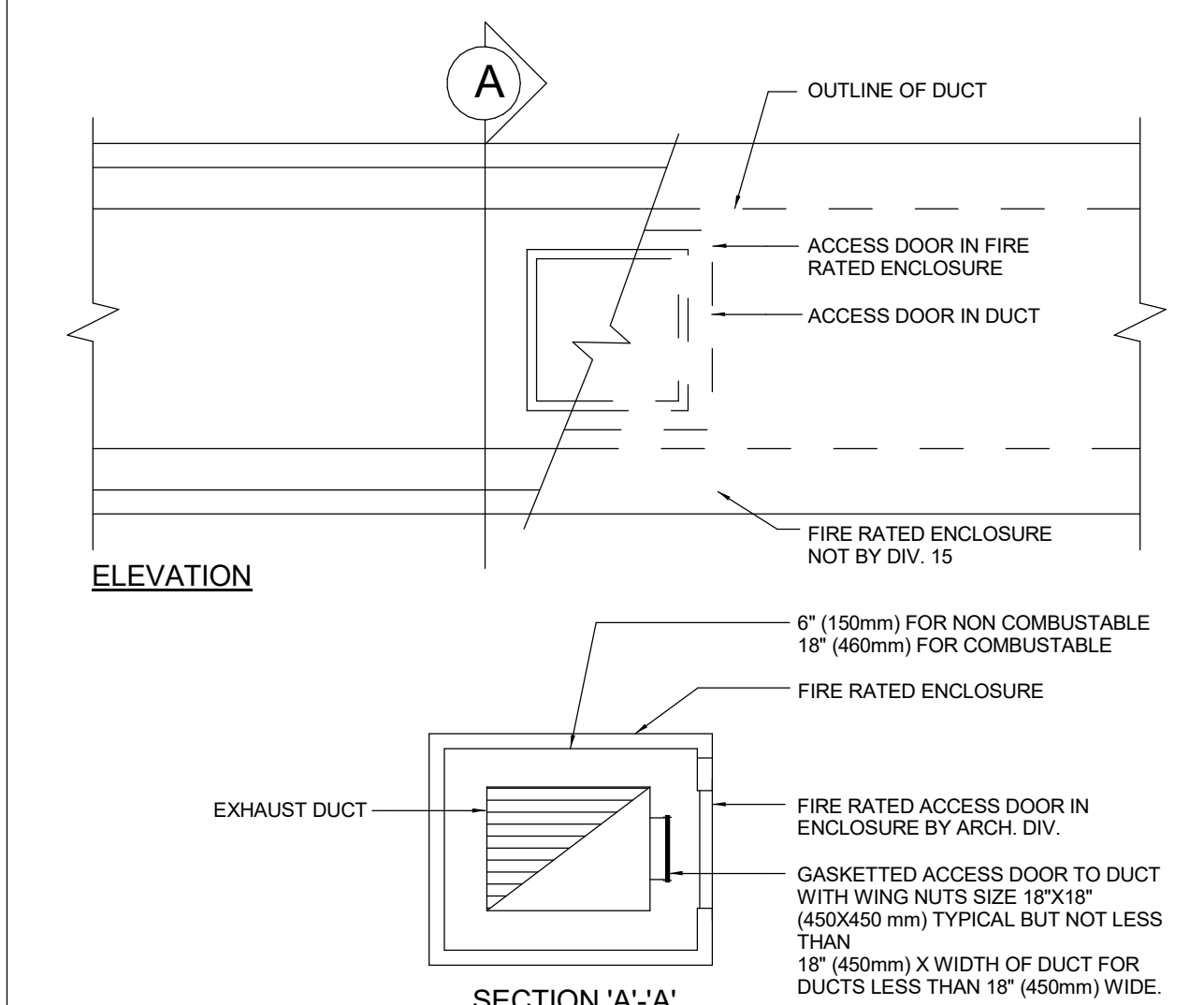
NOTE:
1. SUPPORTS TO BE PLACED AT EVERY 6'-0" (MINIMUM). REFER TO ROOF PLAN FOR DUCT ROUTING.

2 DUCT SUPPORT ON ROOF
SCALE: N.T.S.

GREASE INTERCEPTOR (GIL) CALCULATION (ONTARIO)	GREASE INTERCEPTOR (GIL) CALCULATION (BRITISH COLUMBIA)
$Q = \frac{N}{DDT} \left(\sum (0.75 V_i) \right)$	$Q = \frac{N}{DDT} \left(\sum (0.75 V_i) \right)$
3 COMPARTMENT SINK (S-5): $V = 20 \times 20 \times 14 \times 2 = 72.3 \text{ GAL.}$	3 COMPARTMENT SINK (S-5): $V = 20 \times 20 \times 14 \times 2 = 72.3 \text{ GAL.}$
PRE-RINSE SINK (S-4): $V = 20 \times 20 \times 14 \times 2 = 24.24 \text{ GAL.}$	PRE-RINSE SINK (S-4): $V = 20 \times 20 \times 14 \times 2 = 24.24 \text{ GAL.}$
DDT = 2 MIN. $0.75 \times 96.54 = 36.2 \text{ GPM}$	DDT = 2 MIN. $0.75 \times 96.54 = 72.4 \text{ GPM}$
FLOOR DRAINS 1/4 GPM TOTAL FLOW: 36.2 + 4 = 40.2 GPM NAME: DURN (CSA APPROVED) MODEL: Z1171, CAPACITY: 50 GPM	FLOOR DRAINS 1/4 GPM TOTAL FLOW: 72.4 + 4 = 76.4 GPM



4 GREASE INTERCEPTOR DETAIL
SCALE: N.T.S.



NOTES:
1. FIRE RATED ACCESS DOOR IN ENCLOSURE TO BE A MINIMUM OF 2" (50mm) LARGER ON ALL SIDES THAN ACCESS DOOR IN DUCT.

1 KITCHEN EXHAUST DUCT ACCESS DOOR
SCALE: N.T.S.

1	ISSUED FOR PERMIT AND TENDER	10/31/2025
No.	ISSUED/REVISED	DATE

Henry St H.S. Culinary Classroom
Renovation

600 Henry St, Whitby, ON L1N 1L4

Mechanical Detail Sheet
No. 3

Scale: As indicated

Project Number:

ED-25-052

Drawn By:

Chirag Khatri

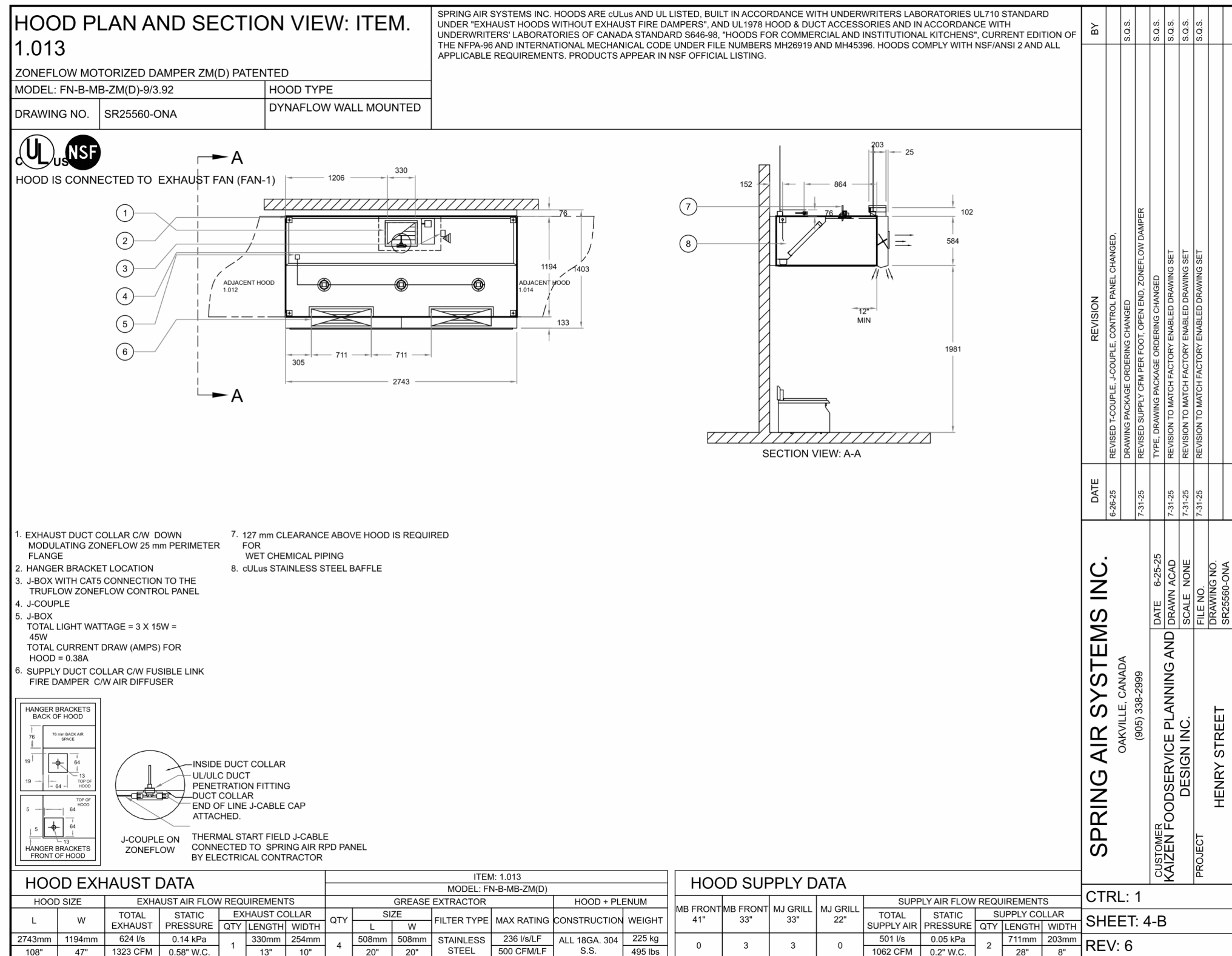
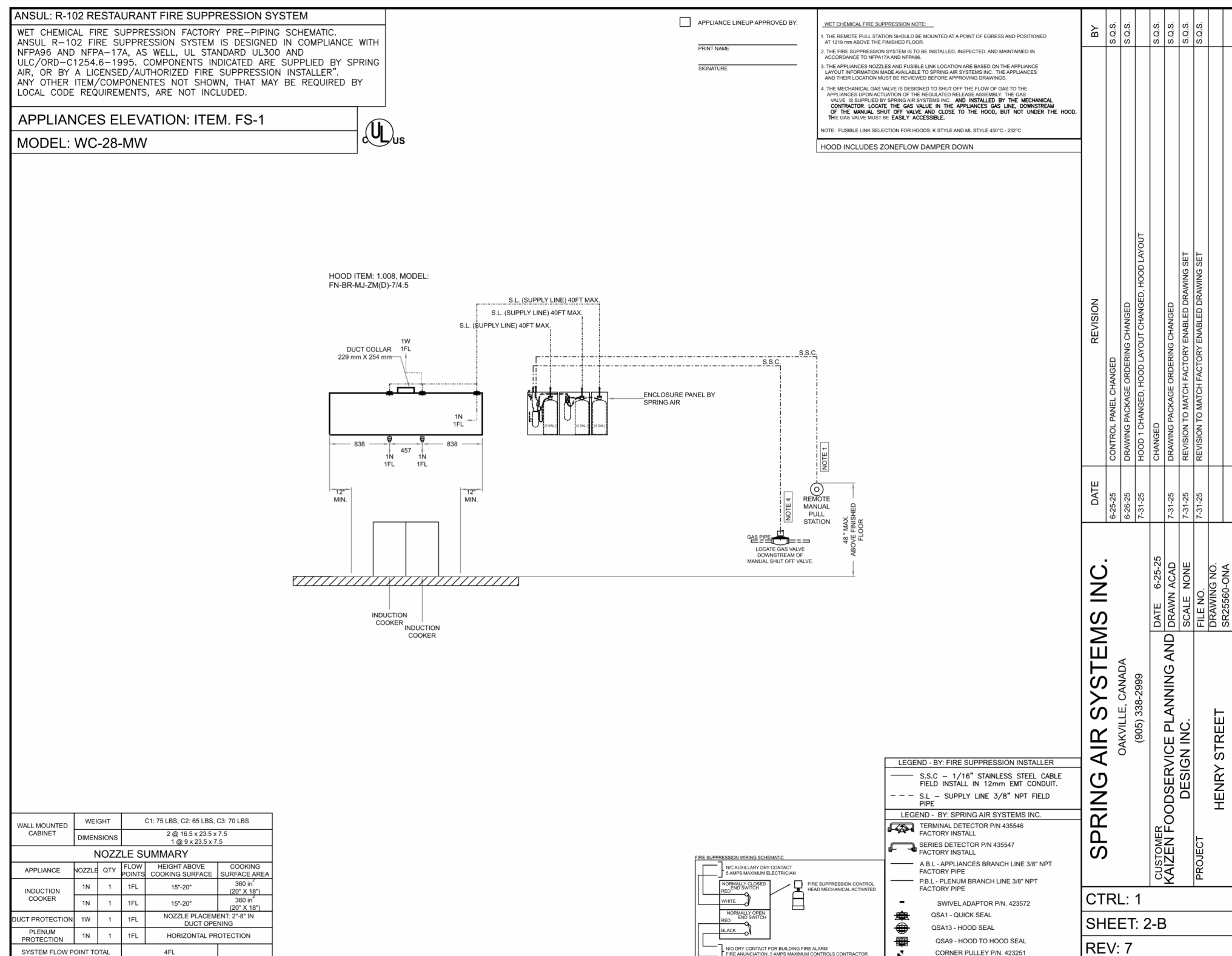
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600 Henry St, Whitby, ON L1N 1L4

Project Number:

Drawn By:

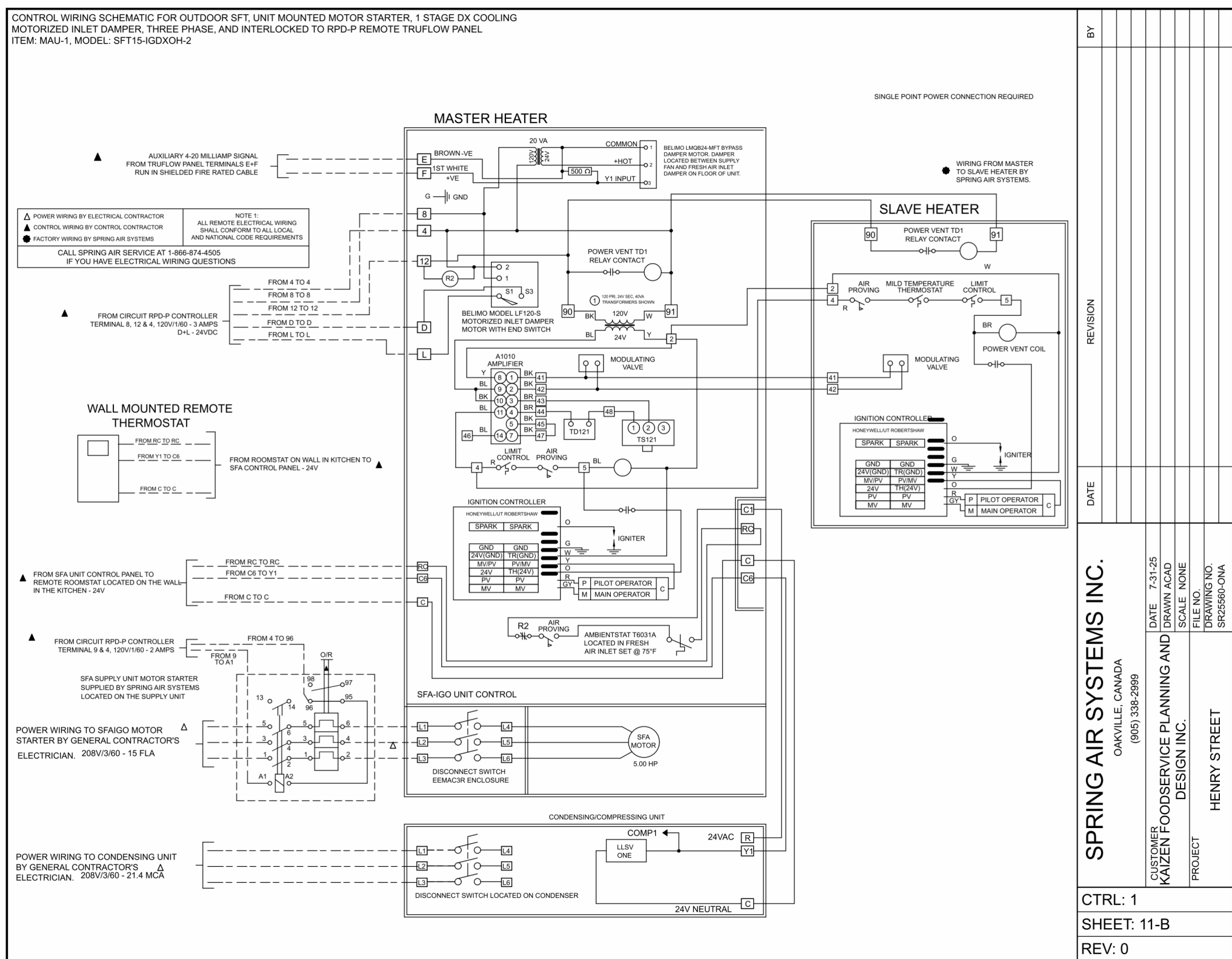
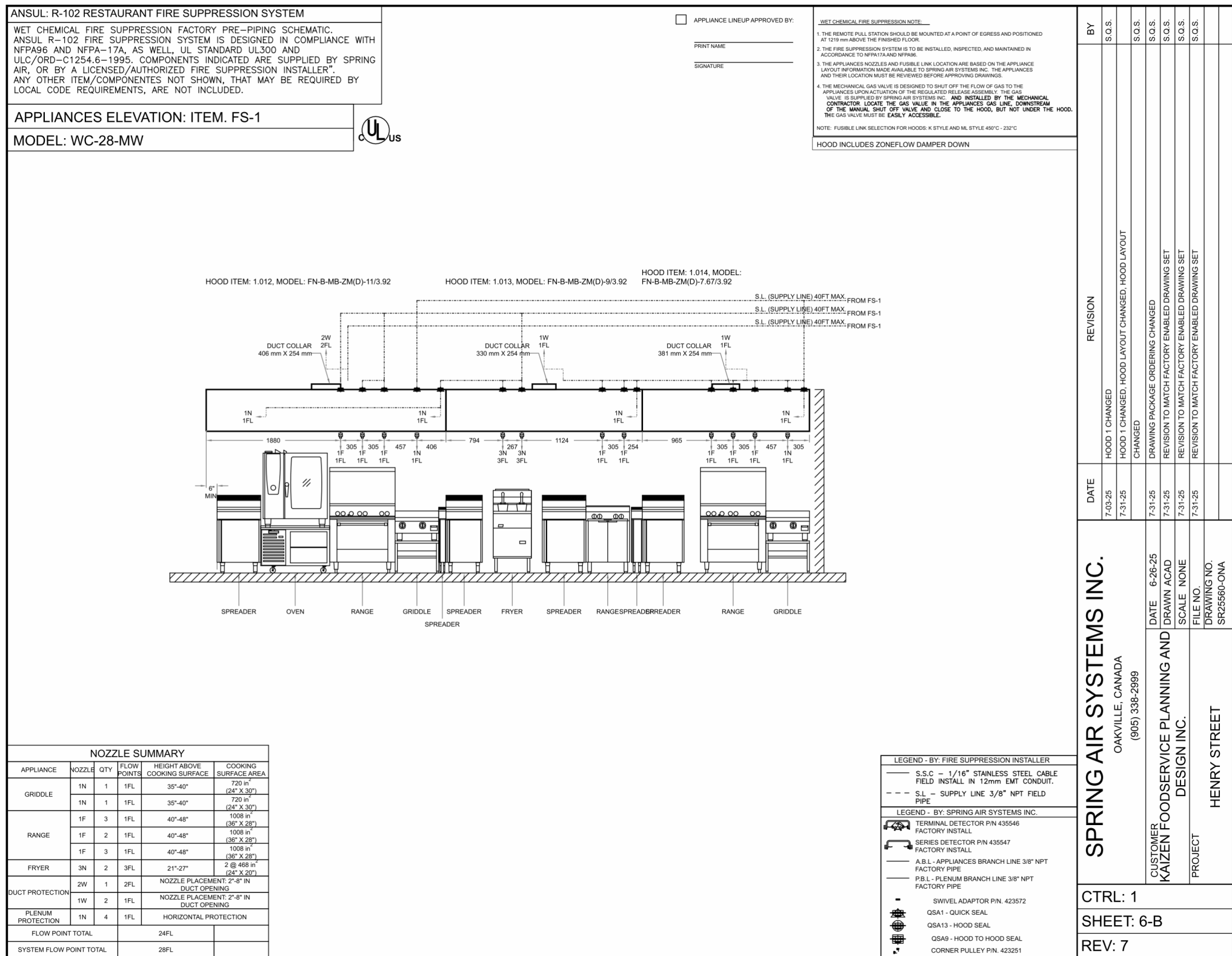
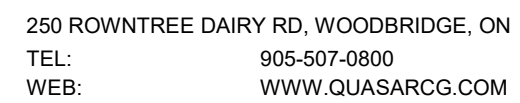
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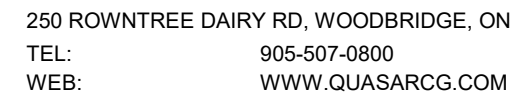
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Scale:	
Project Number: ED-25-052	
Drawn By: Chirag Khatri	
Checked By: A. Nakhaei-Zadeh	

M-305



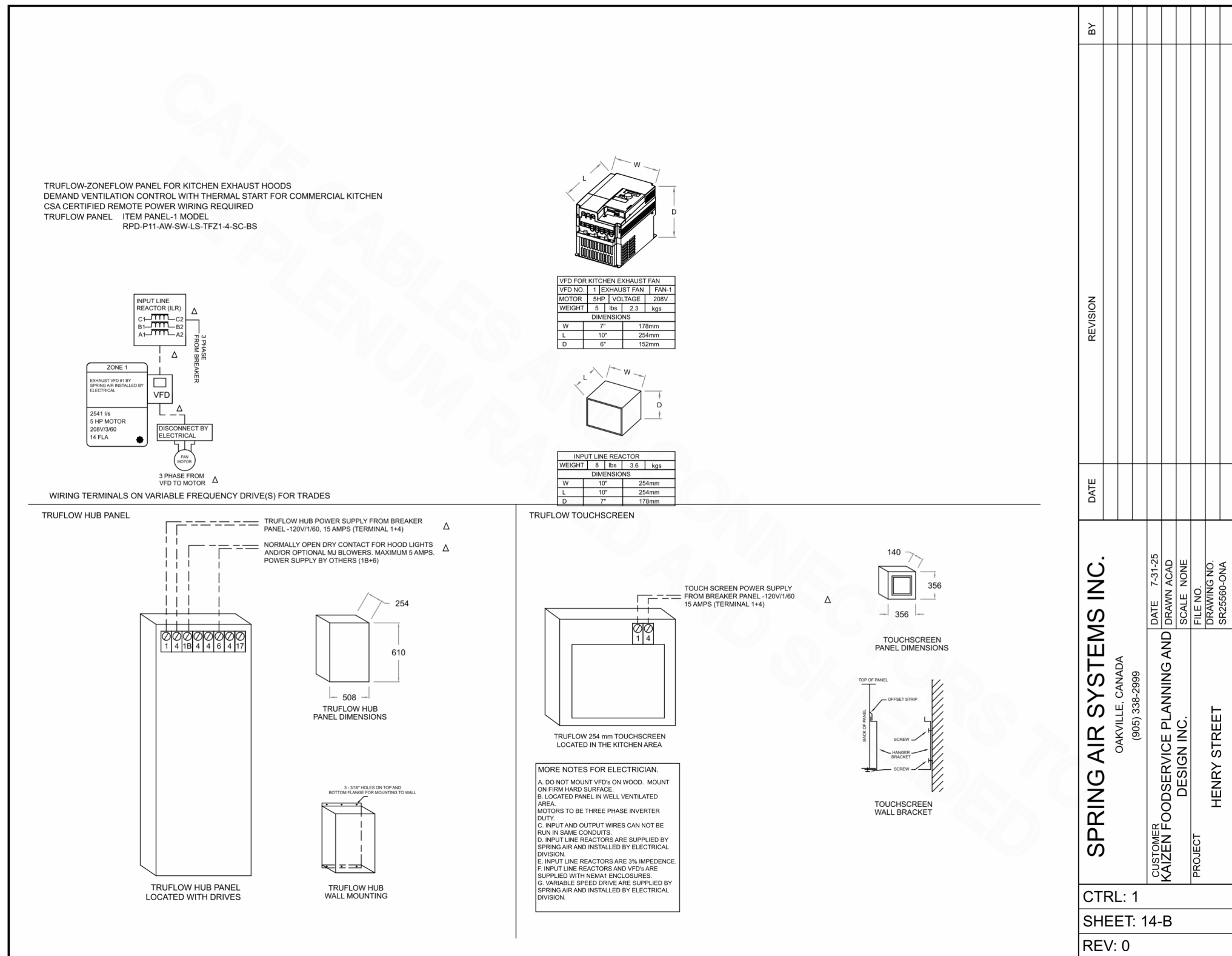
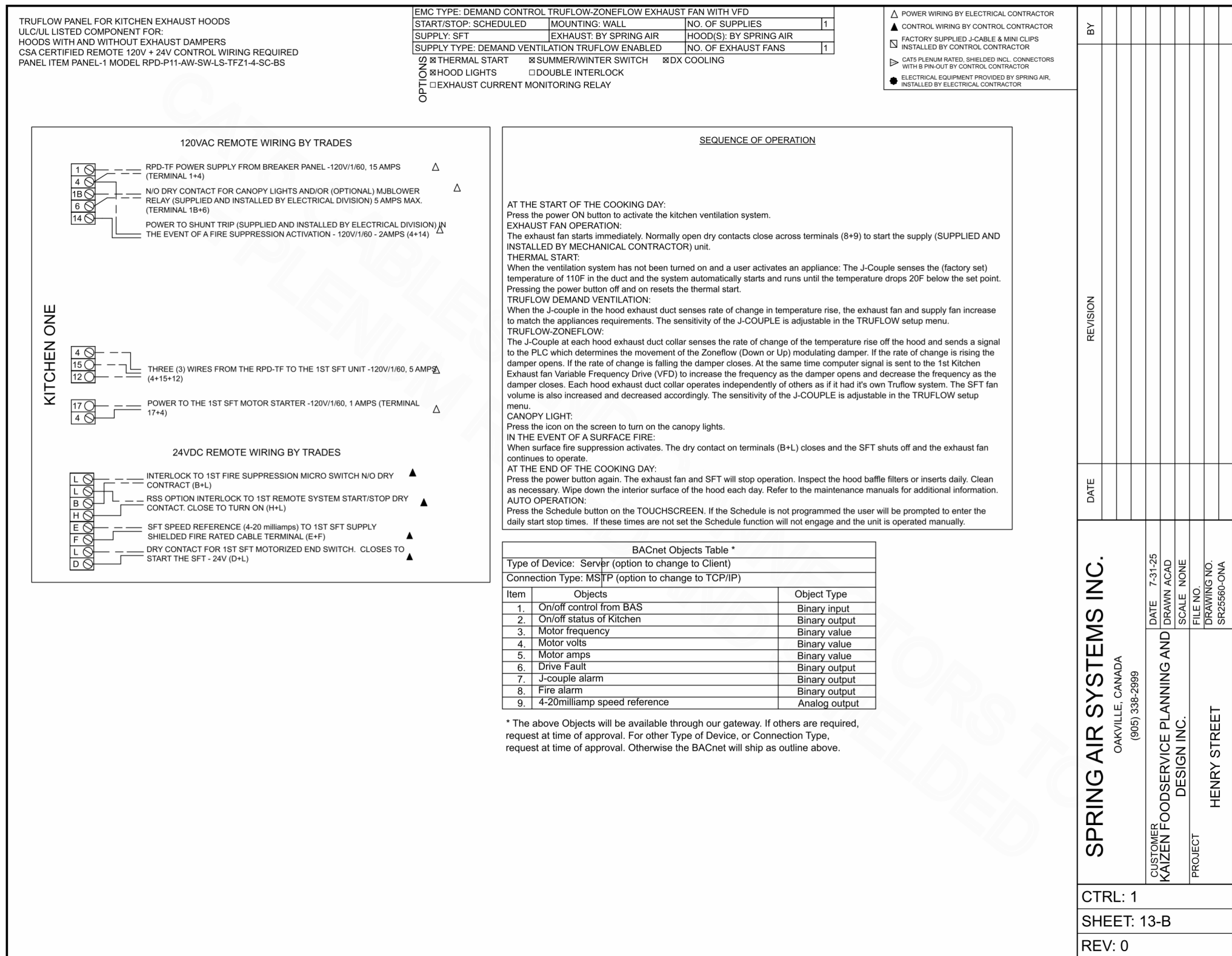
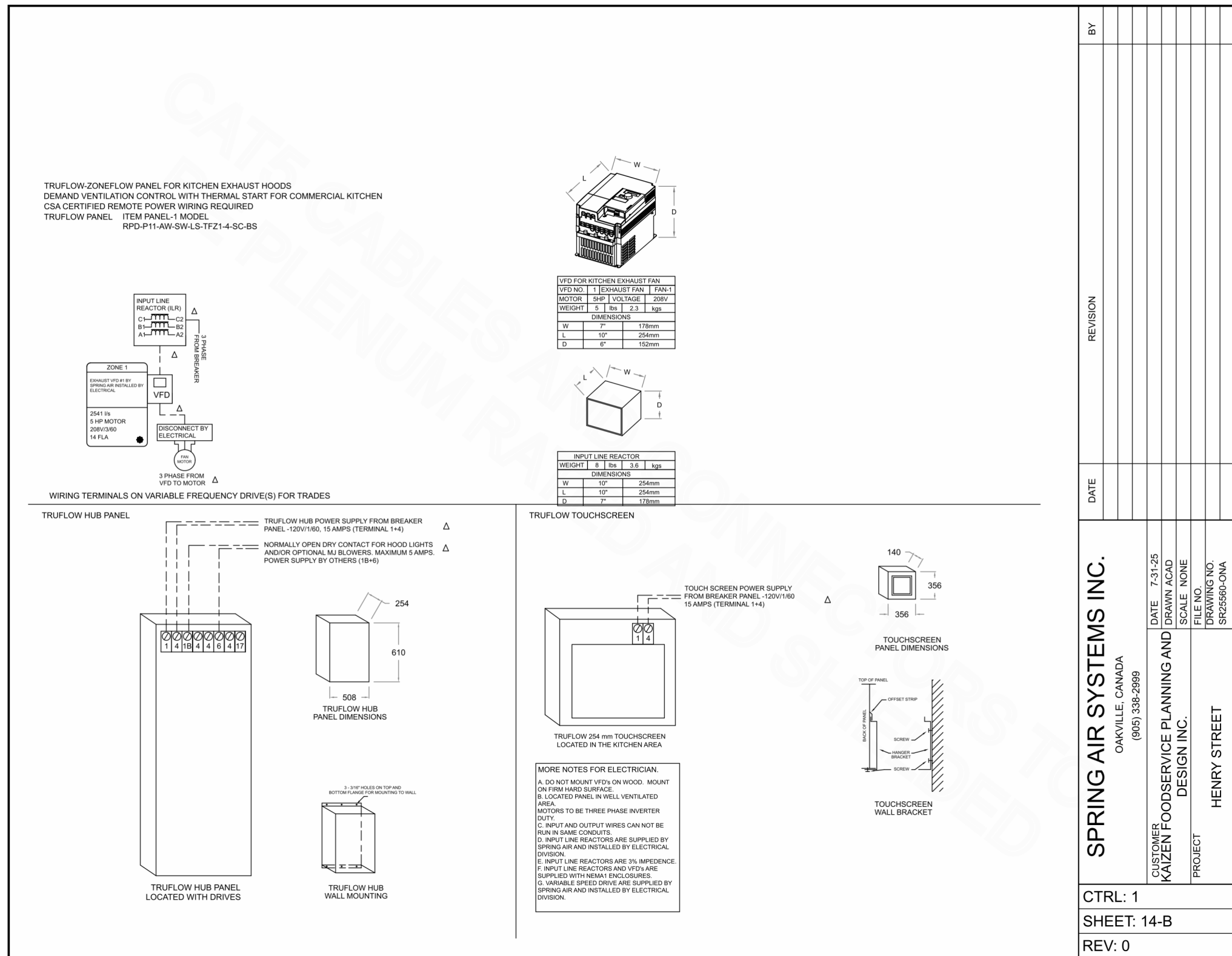
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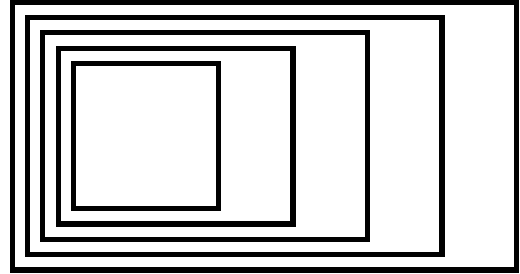


No.	ISSUED/REVISED	DATE
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MODEL DCV-AV SEQUENCE OF OPERATION

DAILY STARTUP

- WHEN SYSTEM IS FIRST STARTED A DAILY STARTUP ROUTINE WILL BE EXECUTED:
 - ALL HOODS WILL COMMAND THEIR DAMPERS TO THEIR HOME POSITION.
 - THE EXHAUST FAN WILL BE STARTED AND RAMP TO 50% SPEED FOR 1 MINUTE.
 - AFTER 1 MINUTE WARMUP CYCLE THE HOODS WILL CONTROL DAMPERS TO DEMANDED AIRFLOW AND EXHAUST FAN WILL MODULATE TO MEET TOTAL AIRFLOW REQUIRED BY ALL HOODS.

FAN OPERATION

- EXHAUST FAN WILL START UNDER THE FOLLOWING CONDITIONS:
 - HOOD TEMPERATURE EXCEEDS AMBIENT TEMPERATURE BY THE TEMPERATURE LOW LIMIT (TL) VALUE AS SET DURING SYSTEM COMMISSIONING.
 - THE FAN IS ACTIVATED AT THE AIRVANTAGE TOUCHSCREEN.
 - THE OVERRIDE BUTTON ON A HOOD IS PRESSED.
 - AIRVANTAGE IS SCHEDULED TO RUN THE EXHAUST
 - THE REMOTE START IS ACTIVATED
 - THE CONTROLLER BYPASS IS ACTIVATED
 - EXHAUST FAN WILL STOP WHEN THERE ARE NONE OF THE FOLLOWING:
 - DEMAND AT ANY HOOD (AFTER 15 MINUTE DELAY)
 - OVERRIDES
 - MANUAL OR EXTERNAL COMMANDS
 - EXHAUST FAN WILL MODULATE BETWEEN MINIMUM SPEED AND MAXIMUM SPEED (AS SET DURING COMMISSIONING) ACCORDING TO THE AIRFLOW DEMAND AT EACH HOOD
 - THE FOLLOWING SIGNALS WILL BE SENT TO EITHER THE BUILDING MANAGEMENT SYSTEM, AN INDEPENDENT MAKEUP AIR UNIT CONTROLLER, OR THE MAKEUP AIR VFD FOR MAKEUP AIR CONTROL:
 - A NORMALLY OPEN CONTACT TO PROVIDE A RUN SIGNAL FOR THE MAKEUP AIR.
 - RUN MAKEUP AIR SIGNAL WILL BE "ON" WHEN EXHAUST FAN IS RUNNING UNDER NORMAL CONDITIONS
 - RUN MAKEUP AIR SIGNAL WILL BE "OFF" WHEN THE EXHAUST FAN IS NOT RUNNING OR IF THERE IS FIRE PROTECTION DISCHARGE.
 - A BYPASS RUN HIGH SIGNAL FOR THE MAKEUP AIR (NORMALLY OPEN CONTACT CLOSURE). C. A 2-10V (4-20mA for VFD only) SIGNAL PROPORTIONAL TO THE EXHAUST FAN SPEED.
- ♦ FOR DIRECT OUTPUT TO AN ECM MOTOR THERE WILL ONLY BE A SINGLE 2-10V SIGNAL

HOOD OPERATION

- EACH HOOD SECTION WILL INDEPENDENTLY MODULATE AIRFLOW BASED ON DEMAND:
 - MAXIMUM AIRFLOW SETPOINT WILL BE SET TO DESIGN AIRFLOW
 - MINIMUM AIRFLOW WILL BE SET TO 50% (ADJ) OF DESIGN AIRFLOW.
 - DEMAND IS DETERMINED BY SENSIBLE HEAT LOAD AT THE CANOPY WHEN COMPARED TO THE AMBIENT TEMPERATURE.
- ALL HOOD SECTIONS WILL RETURN DAMPERS TO THEIR HOME POSITION (OPEN) WHEN THE EXHAUST FAN IS STOPPED.
- HOOD LIGHTING WILL ACTIVATE UNDER ANY OF THE FOLLOWING CONDITIONS:
 - WHEN THE FAN IS ON
 - WHEN THE HOOD OVERRIDE BUTTON IS PRESSED.
 - WHEN THE LIGHTING FOR ALL HOODS IS ACTIVATED AT THE DCV COMMAND CENTER.

SYSTEM OVERRIDES

- OVERRIDE CONDITIONS:
 - THE OVERRIDE BUTTON IS PRESSED ON A HOOD SECTION, THAT SECTION WILL DEMAND MAXIMUM AIRFLOW FOR 5 MINUTES (ADJ), THEN RETURN TO NORMAL CONTROL.
 - WHEN THERE IS A RAPID TEMPERATURE CHANGE DETECTED INSIDE A HOOD SECTION, THAT SECTION WILL DEMAND MAXIMUM AIRFLOW FOR 5 MINUTES, THEN RETURN TO NORMAL CONTROL.
 - WHEN THERE IS A FIRE PROTECTION DISCHARGE, THE EXHAUST FAN WILL RAMP TO 100%, ALL HOOD DAMPERS WILL OPEN TO THEIR HOME POSITION TO PROVIDE MAXIMUM AIRFLOW.
 - IF THE POWER CIRCUIT FAILS ON A HOOD SECTION DURING COOKING OPERATIONS, THE DAMPER WILL OPEN TO THE FACTORY-SET POSITION TO PROVIDE MAXIMUM EXHAUST AIRFLOW TO THE COOKLINE.
 - IF SYSTEM COMMUNICATION IS LOST TO A HOOD SECTION DURING COOKING OPERATIONS, THE DAMPER WILL OPEN TO THE FACTORY-SET POSITION TO PROVIDE MAXIMUM EXHAUST AIRFLOW TO THE COOKLINE.
 - MANUAL BYPASS COMMANDS ALL EXHAUST/MAKEUP AIR TO RUN AT MAXIMUM.

MUA OPERATING MODE:

- THE SYSTEM SHALL RUN CONTINUOUSLY ACCORDING TO 24 HOUR SCHEDULE.

INITIAL SET UP:

- THE SYSTEM SHALL BE A 100% OUTDOOR AIR SYSTEM.
- MD1 SHALL BE NORMALLY CLOSED.
- FAN SHALL BE BALANCED TO A FIELD DETERMINED AIRFLOW & STATIC PRESSURE AS PER THE VALUES INDICATED ON THE DRAWINGS DURING SYSTEM BALANCING AND COMMISSIONING.
- DIFFERENTIAL PRESSURE SENSOR P1 SHALL BE LOCATED IN LOBBY. DIFFERENTIAL SETPOINT SHALL BE INITIALLY 5 Pa TO MINIMIZE STACK EFFECT.
- VFD SPEED SHALL BE FIELD OPTIMIZED TO AVOID FAN (TORQUE AND CURRENT) STALL CONDITIONS AND SHALL NOT OPERATE BELOW 30% SPEED.
- SYSTEM SHALL BE ENABLED BASED ON SCHEDULED OPERATING MODE
- FAN SHALL BE ENABLED/DISABLED LOCALLY AT THE VFD OR REMOTELY THROUGH THE BAS.

FAN CONTROL:

- ON COMMAND TO START MD1 SHALL OPEN. UPON PROOF OF MOTORIZED DAMPER POSITION, FAN SHALL BE ENABLED. MD1 SHALL BE INTERLOCKED WITH SF1 TO ENSURE CONTROLS OPERATION WHEN FAN IS OPERATING IN "HAND" OR "AUTO" MODE. CONTROLS SIGNAL SHALL BE DUPLICATED AT THE BAS.
- SUPPLY FAN SHALL MODULATE TO MAINTAIN THE STATIC PRESSURE SET POINT DETERMINED BY P1. SUPPLY FAN RAMPING FUNCTION SHALL INCLUDE A DELAY TO ADDRESS CHANGES IN STATIC WHEN THE DOOR OPENS.

ECONOMIZER (FREE COOLING) CONTROL:

- N/A

TEMPERATURE CONTROL:

- THE AIR HANDLING SYSTEM SHALL MAINTAIN THE FOLLOWING S/A TEMPERATURE SETPOINTS:
 - WINTER HEATING MODE: 24°C DRY BULB. O/A TEMPERATURE IS LESS THAN 18°C DRY BULB. (ADJ)
- O/A TEMPERATURE IS GREATER THAN 22°C DRY BULB:
 - GAS FIRED BURNER SHALL BE DISABLED.
- O/A TEMPERATURE LESS THAN 18°C (ADJ) DRY BULB:
 - ACTIVATE GAS-FIRED BURNER AND MODULATE AS REQUIRED TO MAINTAIN SETPOINT.
 - WHEN SUPPLY TEMPERATURE IS IS 2°C ABOVE SETPOINT, AFTER A DELAY OF 10 MINUTES (ADJ.) THE BURNER SHALL SHUT DOWN.

FIRE ALARM MODE:

- FAN SHALL REMAIN OPERATIONAL DURING FIRE ALARM.

FAN FAILURE:

- UPON SUPPLY FAN FAILURE THE FOLLOWING SHALL OCCUR:
 - MD1 SHALL BE CLOSED.

SAFETY SHUT DOWN:

- HIGH LIMIT DUCT STATIC PRESSURE SENSOR P2 AT THE SUPPLY AIR MAIN SHALL BE HARDWIRED INTERLOCKED WITH THE SUPPLY FAN - FAN WILL BE DISABLED WHEN P2 EXCEEDS 6 INWC.
- FREEZE STAT T2 SHALL BE HARD WIRED INTERLOCKED WITH THE SUPPLY FAN AND DISABLE THE FAN WHEN T2 DROPS BELOW 4°C. FAN MUST BE MANUALLY RESET PRIOR TO RESTARTING. CLOSE ALL DAMPERS.

OPTIMIZATION:

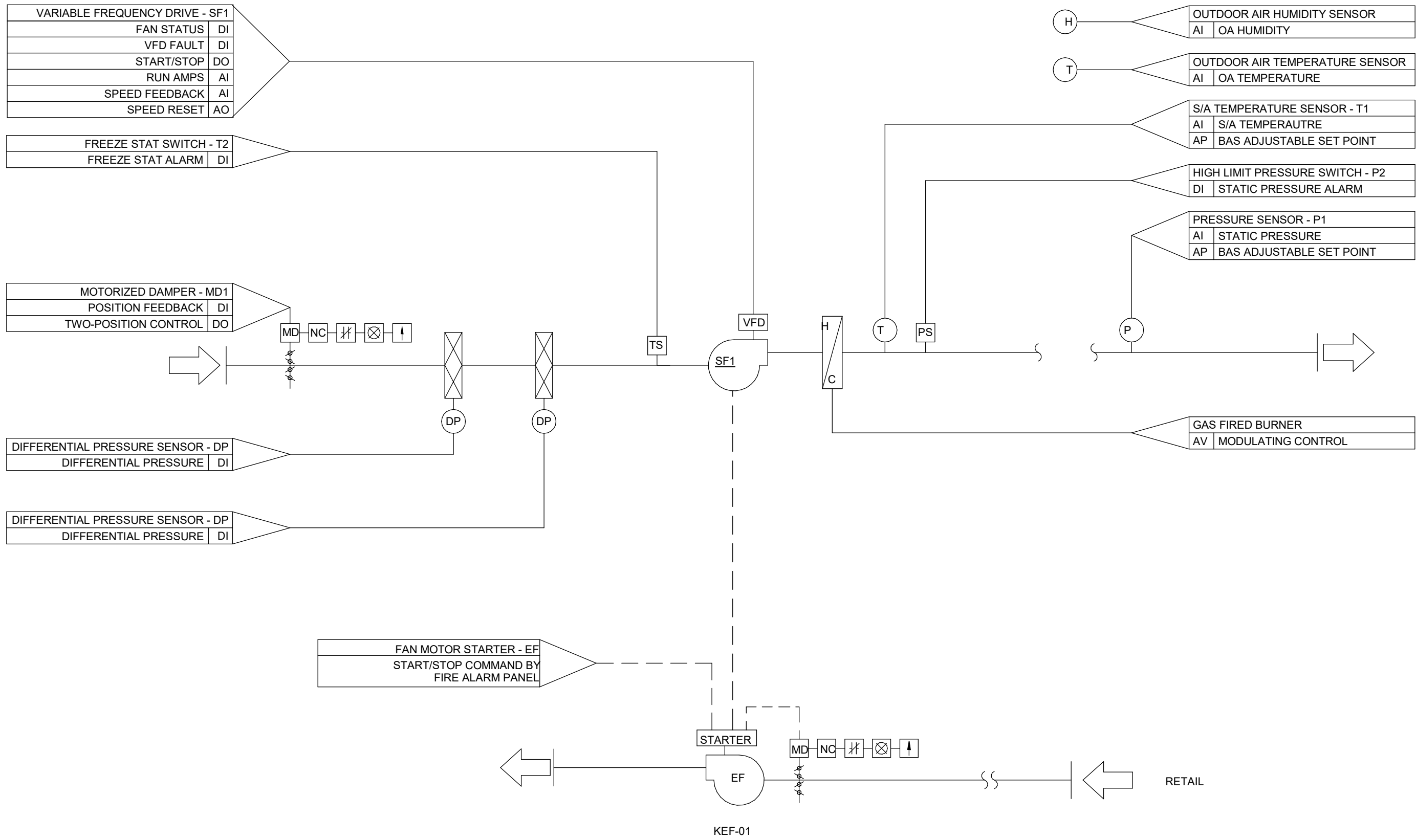
- TEMPERATURE RE-SET:
 - THE AIR HANDLING SYSTEM SHALL RE-SET THE T1 SET POINT UPWARDS/DOWNWARDS WHEN A HEATING FLAG IS GENERATED.
 - THE AIR HANDLING SYSTEM SHALL RE-SET THE T1 SET POINT UPWARDS BY 1°C EVERY 10 MINUTES WHEN A HEATING FLAG IS GENERATED.
 - THE T1 SET POINT SHALL CONTINUE TO RE-SET UNTIL THE HEATING FLAG IS CLEARED.
 - HEATING FLAG SHALL HAVE THE ABILITY TO BE IGNORED/REMOVED FROM THE SYSTEM TO AVOID UNNECESSARY TEMPERATURE RE-SETS.

SYSTEM ALARMS & PRIORITY AT BAS:

- FAN FAILURE: COMMANDED ON/STATUS OFF
- FAN IN HAND: COMMANDED OFF/STATUS ON
- VFD FAILURE: FAULT CONTACT
- DAMPER FAILURE: COMMANDED OPEN/CLOSED FEEDBACK
- DAMPER IN HAND: COMMANDED CLOSED/OPEN FEEDBACK
- HIGH SUPPLY AIR TEMPERATURE: T1 IS GREATER THAN 28°C FOR MORE THAN 30 MINUTES
- LOW SUPPLY AIR TEMPERATURE: T1 IS LOWER THAN 10°C FOR MORE THAN 30 MINUTES
- FREEZE STAT: T2 IS EQUAL TO OR LOWER THAN 4°C

SYSTEM TRENDS AT BAS:

- FAN STATUS
- RUN AMPS
- VFD SPEED
- STATIC PRESSURE
- EQUIPMENT OPERATING HOURS
- POSITION FEEDBACK
- TEMPERATURE SET POINT



1 KITCHEN MAKEUP AIR UNIT AND EXHAUST FAN CONTROL SEQUENCE
SCALE: N.T.S.

CONTROLS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY FAN		PRESSURE SWITCH
	RETURN FAN		DIFFERENTIAL PRESSURE SWITCH
	EXHAUST FAN		DOOR SWITCH
	HEATING COIL		ACTUATOR NORMALLY CLOSED DE-ENERGIZED POSITION
	COOLING COIL		ACTUATOR NORMALLY OPEN DE-ENERGIZED POSITION
	PRE-HEAT COIL		ACTUATOR FAIL OPEN POSITION
	FILTERS		ACTUATOR FAIL CLOSED POSITION
	AIRFLOW / FLUID DIRECTION		ACTUATOR FAIL LAST POSITION
	MOTORIZED DAMPER		TWO-POSITION ACTUATOR
	MANUAL ISOLATION DAMPER		MODULATING ACTUATOR
	MOTOR CONTROL CENTRE		PRESSURE SENSOR
	LOCAL DISPLAY UNIT		DIFFERENTIAL PRESSURE SENSOR
	MANUFACTURER SUPPLIED EQUIPMENT CONTROLLER		VELOCITY SENSOR
	MOTOR STARTER		VELOCITY PRESSURE SENSOR
	VARIABLE FREQUENCY DRIVE		HUMIDITY SENSOR
	NORMALLY OPEN		TEMPERATURE SENSOR
	NORMALLY CLOSED		CARBON MONOXIDE SENSOR
	NORMALLY CLOSED CONTACT		CARBON DIOXIDE SENSOR
	FLOW SWITCH		DIESEL NITROGEN OXIDE SENSOR
	LEVEL SWITCH		OXYGEN SENSOR
	TEMPERATURE SWITCH		AIRFLOW STATION
	CONTROL WIRING		VISUAL INDICATOR ALARM
			AUDIBLE INDICATOR ALARM
			BUILDING AUTOMATION SYSTEM
			ANALOG INPUT
			ANALOG OUTPUT
			DIGITAL INPUT
			DIGITAL OUTPUT
			BAS ADJUSTABLE SET POINT
			BACNET VARIABLE

2 ISSUED FOR PERMIT AND TENDER 10/31/2025
1 ISSUED FOR 90% CD - CLIENT REVIEW 10/09/2025

No. ISSUED/REVISED DATE

Henry St H.S. Culinary Classroom Renovation

600 Henry St, Whitby, ON L1N 1L4

Mechanical Control Sequences

Scale: As indicated

Project Number: ED-25-052

Drawn By: Chirag Khatri

Checked By: A. Nakhaei-Zadeh

M-307

GRILLES AND DIFFUSERS								
TAG	MANUFACTURER	MODEL	DESCRIPTION	VOLUME CONTROL	SIZE (mm x mm)	FINISH	MATERIAL	NOTES
A	EH PRICE	SPD	SQUARE PLAQUE...	YES	600x600	-	STEEL	1,2,3,4,5,6
B	EH PRICE	80 DAL	EGG CRATE FACE...	YES	600X300	-	ALUMINUM	1,2,3,4,5,6
C	EH PRICE	90	HEAVY DUTY RETURN...	YES	700X600	-	STEEL	1,2,3,4,5,6
D	EH PRICE	630	LOUVERED GRILLE W/...	YES	600X400	-	STEEL	
D1	EH PRICE	630	LOUVERED GRILLE W/...	YES	150X150		STEEL	
NOTES: 1. ALL DIFFUSER AND GRILLE FRAMES SHALL SUIT CEILING CONSTRUCTION. 2. ALL DAMPERS SHALL BE OF THE SAME MATERIAL AS THE DIFFUSER OR GRILLE. 3. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING CONSTRUCTION. 4. DIFFUSERS IN DRYWALL CEILING TO BE C/W ADAPTOR FRAME TO ACCOMMODATE INSTALLATION. DIFFUSER ADAPTOR FRAME SHALL BE OF THE SAME MATERIAL AS THE DIFFUSER. 5. GRILLE AND DIFFUSER COLOUR TO BE R12 WHITE OR AS SPECIFIED BY THE ARCHITECT 6. NECK SIZE AS SHOWN ON PLANS. 7. HINGED GRILLE C/W WING HEAD QUICK RELEASE FASTENERS. 8. BLADE ORIENTATION TO BE HORIZONTAL.								

MAKE-UP AIR UNITS																			
TAG	LOCATION	SERVICE	MANUFACTURER	MODEL	AIR CHARACTERISTICS				HEATING CAPACITY (KW)	FLUID CHARACTERISTICS FLUID	PRE-FILTER	POWER REQUIREMENTS							NOTES
					AIRFLOW (L/s)	ESP (kPa)	EAT (°C)	LAT (°C)				FLA (A)	MCA (A)	MOCp (A)	VOLT. (V)	PH. (Φ)	FREQ. (Hz)	WEIGHT (kg)	
MAU-1	ROOF	CLASSROOM	SPRING AIR SYSTEMS	SFT15-IGDXO H-2	2032	0.40	-18.9	28.9	132	NATURAL GAS	MERV-10	0.0	21.4	0.0	208	3	60	90	

MAKEUP AIR UNIT - COOLING COILS												
COOLING COIL	MAU TAG	MANUFACTURER	CAPACITY		AIR CHARACTERISTICS					FLUID CHARACTERISTICS		NOTES
			TOTAL (kW)	SENSIBLE (kW)	AIRFLOW (L/s)	P.D. (Pa)	EAT DB (°C)	EAT WB (°C)	LAT DB (°C)	FLUID TYPE		
	MAU-1	SPRING AIR SYSTEMS	18	0	2032	149	28.9	22.2	23.9	R-454B		

GREASE INTERCEPTORS										
TAG	MANUFACTURER	MODEL	SERVICE	LOCATION	FLOW RATE (L/s)	MAX GREASE CAPACITY (kg)	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	NOTES
GI-1	ZURN	Z1173-RD	KITCHEN 3 COMP. SINK AND DW	CLASSROOM, 1106	246.0	68.00 kg	935	727	578	

FANS																			
TAG	MANUFACTURER	MODEL	TYPE	SERVICE	LOCATION	AIRFLOW CONNECTED (L/s)	AIRFLOW TOTAL (L/s)	E.S.P. (kPa)	FAN RPM	VFD	ELECTRICAL							WEIGHT (KG)	REMARKS
											MOTOR POWER (HP)	FLA	MCA	MOCp	VOLT.(V)	PH.(Φ)	FREQ.(Hz)		
EF-2	REVERSOMATIC	TLD200	INLINE	DRYER EXH	CLOSET 1106B	71	85	0.05	2500	N	0.00	0.0	0	0	0	0	0		
EF-1100	GREENHECK	SQ-60	INLINE	AV ROOM	CLOSET 1106B	14	24	0.06	1300	N	0.01	0.0	0	0	120	1	60	13 C/W 400mm VIBRATION ISOLATORS	
KEF-01	SPRING AIR SYSTEMS	XF-B2365	UPBLAST	KITCHEN EXH	ROOF	2500	2541	0.65	860	Y	5.00	16.7	0	0	208	3	60	191 C/W CURB AND HINGE KIT	

DX SPLIT AIR CONDITIONER SCHEDULE																			
TAG	MANUF.	SERVICE	CAPACITY (Kw)		REFRIGERANT	EVAPORATOR			CONDENSER			ELECTRICAL - EVAPORATOR			ELECTRICAL - CONDENSER			NOTES	
			TOTAL	SENSIBLE		MODEL	TYPE	LOCATION	AIRFLOW (L/s) (MML)	MODEL	LOCATION	AMBIENT TEMP (°C)	V/PH/Hz	MCA	MOP	V/PH/Hz	MCA		MOP
FCU-1106/ CU-1106	DAIKIN	CLASSROOM 1106	10.5		R-32	FXFA36AAVJU	CEILING MOUNT	CLASSROOM 1106	591A433/317	RXTA36AAVJU	ROOF	32.2	208/1/60	-	15	208/1/60	19.8	20	

EXISTING RETURN AIR GRILLES AND DUCT SERVING AUDITORIUM TO BE DEMOLISHED.



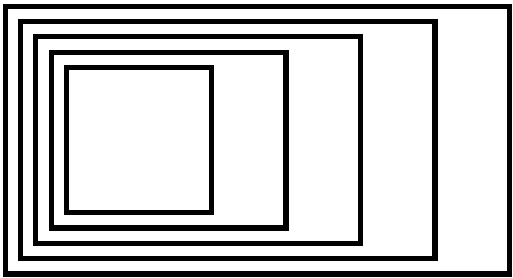
2 EXISTING RETURN AIR BELOW STAGE
SCALE:N.T.S.

EXISTING FIREHOSE REEL TO BE DEMOLISHED AND RELOCATED

EXISTING BOTTLE FILLING STATION TO BE REMOVED AND REINSTALLED TO NEW LOCATION. DEMOLISH EXISTING DCW AND SAN CONNECTIONS TO UNIT.



1 EXISTING DRINKING FOUNTAIN AND FIREHOSE CABINET
SCALE:N.T.S.



GOW HASTINGS ARCHITECTS

275 SPADINA ROAD
TORONTO ONTARIO M5R 2V3
416-920-0031
GOWHASTINGS.COM

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250 ROWNTREE DAIRY RD, WOODBRIDGE, ON
TEL: 905-507-0800
WEB: WWW.QUASARCG.COM

2	ISSUED FOR PERMIT AND TENDER	10/31/2025
1	ISSUED FOR 90% CD - CLIENT REVIEW	10/09/2025

No.	ISSUED/REVISED	DATE
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Henry St H.S. Culinary Classroom Renovation

600 Henry St, Whitby, ON L1N 1L4

Mechanical Equipment Schedules

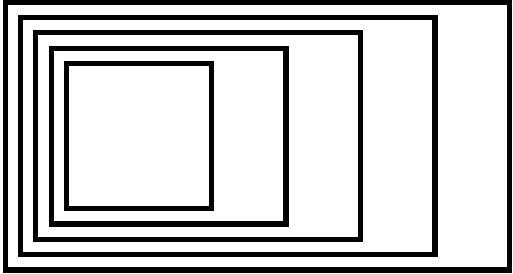
Scale: N.T.S.

Project Number:
ED-25-052

Drawn By:
Chirag Khatri

Checked By:
A. Nakhaei-Zadeh

M-308



GOW HASTINGS
ARCHITECTS

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MEP SCHEDULE - NEW EQUIPMENT																											
ITEM NO.	QTY.	DESCRIPTION	Equipment Remarks	ELECTRICAL					PLUMBING				PLUMBING REMARKS	GAS		MECHANICAL REMARKS	MECHANICAL					MAKE-UP AIR					HVAC REMARKS
				AMPS	VOLTS	PHASE	CYCLE	CONN.	CW SIZE	HW SIZE	waste direct	indirect		SIZE	CONSUMP.		VENT DEPTH	VENT WIDTH	VENT DIA.	VOLUME	S.P.	VENT DEPTH	VENT WIDTH	VENT DIA.	VOLUME	S.P.	
1.000	1	Hand Sink							13 mm	13 mm	38 mm																
1.001	1	S.S. CLEAN DISHTABLE																									
1.001A	1	S.S. Wall Shelving																									
1.003	1	S.S. DISHTABLE W/THREE SINKS							19 mm	19 mm	51 mm		ADD'L 3/4"(19mm) HW+CW & 2@2" (50mm) DIRECT DRAIN TO G.T.														
1.003A	1	S.S. Sorting Shelf, Wall Mount																									
1.004	2	WASTE BIN W/ DOLLY																									
1.006	1	SHELVING, MOBILE 24"x60"																									
1.008	1	EXHAUST HOOD		5.92 A	120	1	60	DIRECT									254 mm	229 mm		426 L/s	0.190 kPa						REFER TO DRAWING SERIES QF-400 FOR DETAIL DRAWINGS
1.008A	1	FIRE SUPRESSION CABINET		5.00 A	120	1	60	DIRECT																			
1.009	2	SHELVING, MOBILE 24"x48"																									
1.010	1	s.s.wall																									
1.011	4	s.s.skeleton wall		20.0...	120	1	60	PLUG																			
1.012	1	EXHAUST HOOD		0.38 A	120	1	60	DIRECT									254 mm	406 mm		763 L/s	0.140 kPa	203 mm	813 mm		690 L/s	0.050 kPa	2X EXHAUST & SUPPLY COLLAR. REFER TO DRAWING SERIES QF-400 FOR DETAIL DRAWINGS
1.012A	1	FIRE SUPRESSION CABINET		5.00 A	120	1	60	DIRECT																			
1.013	2	EXHAUST HOOD		0.38 A	120	1	60	DIRECT									254 mm	330 mm		624 L/s	0.140 kPa	203 mm	711 mm		565 L/s	0.050 kPa	2X EXHAUST & SUPPLY COLLAR. REFER TO DRAWING SERIES QF-400 FOR DETAIL DRAWINGS
1.014	1	EXHAUST HOOD		0.25 A	120	1	60	DIRECT									254 mm	381 mm		775 L/s	0.160 kPa	203 mm	406 mm		655 L/s	0.050 kPa	2X EXHAUST & SUPPLY COLLAR. REFER TO DRAWING SERIES QF-400 FOR DETAIL DRAWINGS
1.015	4	S.S. PREP TABLE		12.0...	120	1	60	PLUG																			
1.016	1	S.S. WALL PANEL HOOD																									
1.017	1	HOLDING CABINET - FULL SIZE		8.50 A	208	1	60	PLUG																			
1.017A	1	S.S. HOOD ENCLOSURE PANEL																									
1.018	2	Undermount Sink							13 mm	13 mm	13 mm																
1.019	1	S.S. TABLE W/TWO SINKS		12.00 A	120	1	60	PLUG	13 mm	13 mm		38 mm	ADD'L 1 1/2"(38mm) INDIRECT DRAIN REQ'D TO F.S.														
1.019A	1	S.S. Wall Shelving																									
1.020	1	S.S.TABLE W/HAND SINK		12.0...	120	1	60	PLUG	13 mm	13 mm	38 mm																
1.020A	1	S.S. Wall Shelving																									
1.021	1	SHELVING, MOBILE 24"x54"																									
1.023	1	S.S. HOOD ENCLOSURE PANEL																									
1.024	1	Cart, Utility																									
1.025	1	S.S. HOOD ENCLOSURE PANEL																									
1.026	1	stacked washer/dryer		30.0...	120	1	60	PLUG	10 mm	10 mm		51 mm	TO F.S.														
MEP SCHEDULE - OWNER SUPPLIED EQUIPMENT																											
ITEM NO.	QTY.	DESCRIPTION	Equipment Remarks	ELECTRICAL					PLUMBING				PLUMBING REMARKS	GAS		MECHANICAL REMARKS	MECHANICAL					MAKE-UP AIR					HVAC REMARKS
				AMPS	VOLTS	PHASE	CYCLE	CONN.	CW SIZE	HW SIZE	waste direct	indirect		SIZE	CONSUMP.		VENT DEPTH	VENT WIDTH	VENT DIA.	VOLUME	S.P.	VENT DEPTH	VENT WIDTH	VENT DIA.	VOLUME	S.P.	
R.000	1	Reach-in SOLID Door Refrigerator		8.50 A	120	1	60	PLUG																			
R.001	1	Reach-in SOLID Door FREEZER		12.0...	120	1	60	PLUG																			
R.002	2	Refrigerator, Undercounter		3.50 A	120	1	60	Plug																			
R.003	1	INDUCTION COOKER		38.9...	208	3	60	DIRECT																			
R.004	12	S.S. PREP TABLE		12.0...	120	1	60	PLUG																			
R.005	1	MASTER ELECTRICAL CONVECTION OVEN EASYTOUCH SCREEN CONTROL		50.00 A	208	1	50	DIRECT																			
R.006	2	60" Range - 6 Burners 24" Griddle Broiler - 2 Standard Ovens												19 mm	276,000 Btu/h												
R.007	1	Hot Plates - Gas												19 mm	120,000 Btu/h												
R.008	1	FRYER DUAL TANK										32 mm		13 mm	120,000 Btu/h												
R.010	1	WORK TABLE																									
R.011	1	STAINLESS STEEL EQUIPMENT STAND																									
R.012	1	Dishwasher		27.0...	208	3	60	DIRECT	19 mm																		

1 ISSUED FOR PERMIT AND TENDER 10/31/2025

No. ISSUED/REVISED DATE

Henry St H.S. Culinary Classroom
Renovation

600 Henry St, Whitby, ON L1N 1L4

Kitchen Equipment
Schedules

Scale:	
Project Number: ED-25-052	
Drawn By: Author	
Checked By: Checker	

M-309