

1112 St. Andrews Dr, Midland, ON L4R 4P4


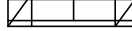

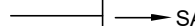
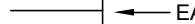

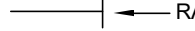
MECHANICAL SET

23001A



NORTH BAY, OTTAWA, TORONTO, VANCOUVER, WOODBRIDGE

MECHANICAL LEGEND	
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)
	DUCT RISE (SINGLE 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
	CEILING EXHAUST/RETURN GRILLE - DIMENSIONS AS SHOWN ON SCHEDULE
	BRANCH TAKE-OFF WITH ADJUSTABLE SPLITTER DAMPER IN SUPPLY DUCT (DOUBLE LINE)
	BRANCH TAKE-OFF WITH ADJUSTABLE SPLITTER DAMPER IN SUPPLY DUCT (SINGLE LINE)
	OPEN ENDED DUCT WITH BALANCING DAMPER AND BELLMOUTH. DIRECTION AS SHOWN (DOUBLE LINE)
	OPEN ENDED DUCT WITH BALANCING DAMPER AND BELLMOUTH. DIRECTION AS SHOWN (SINGLE LINE)
	FLEXIBLE DUCT CONNECTION
	ACOUSTICALLY LINED DUCTWORK (DOUBLE LINE)
	DUCT SILENCER
	FLEXIBLE DUCT (SINGLE LINE)
	FLEXIBLE DUCT CONNECTION WITH BALANCING DAMPER ON TAKE-OFF
	DUCT MOUNTED HEATING COIL (DOUBLE LINE)
	DUCT MOUNTED HEATING COIL (SINGLE LINE)
	FIRE RATED DUCTWORK (DOUBLE LINE)
	DUCT TRANSITION FROM RECTANGULAR TO ROUND
	RECTANGULAR DUCT BREAK
	ROUND DUCT BREAK
	SINGLE LINE DUCT BREAK





















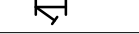






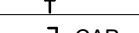



MECHANICAL LEGEND	
VENTILATION	
SYMBOL	DESCRIPTION
	SINGLE LINE DUCT BREAK
	TRANSFER AIR DUCT
	75mm (3/4\") DOOR UNDERCUT
	SUPPLY AIR
	EXHAUST AIR
	OUTDOOR AIR
	RETURN AIR

MECHANICAL LEGEND	
HEATING & COOLING PIPING	
SYMBOL	DESCRIPTION
	HEATING WATER RETURN
	HEATING WATER SUPPLY
	HEATING GLYCOL RETURN
	HEATING GLYCOL SUPPLY
	HIGH TEMPERATURE HEATING WATER RETURN
	HIGH TEMPERATURE HEATING WATER SUPPLY
	HIGH TEMPERATURE HEATING GLYCOL RETURN
	HIGH TEMPERATURE HEATING GLYCOL SUPPLY
	CONDENSER WATER RETURN
	CONDENSER WATER SUPPLY
	CHILLED WATER RETURN
	CHILLED WATER SUPPLY
	CHILLED GLYCOL RETURN
	CHILLED GLYCOL SUPPLY
	CONDENSATE DRAIN
	PUMPED CONDENSATE
	VENT
	STEAM VENT
	UNION
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	PIPE ANCHOR
	PIPE GUIDE
	PIPE SLEEVE
	BASEBOARD HEATER
	RADIANT PANEL TYPE - HEAT OUTPUT
	CABINET UNIT HEATER
	UNIT HEATER

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
	GAS
	RUNNING TRAP
	P-TRAP
	EMERGENCY SHOWER
	EYE WASH
	CLEANOUT IN FLOOR/BELOW GRADE
	CLEANOUT IN CEILING
	ROOF DRAIN
	CONTROL FLOW ROOF DRAIN
	VENT THROUGH ROOF
	RAIN WATER LEADER
	TRAP SEAL PRIMER
	SCUPPER DRAIN
	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
"WC-1"	DENOTES FIXTURE TYPE PER SPECIFICATION

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

FIRE PROTECTION	
SYMBOL	DESCRIPTION
	SPRINKLER LINE
	FIRE MAIN
	STANDPIPE
	SUPERVISED VALVE
	WATER FLOW ALARM
	PRESSURE SWITCH
	TEST CONNECTION
	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

MECHANICAL LEGEND	
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
	SOLENOID VALVE
	FUSIBLE LINK VALVE
	HEAT TRACING
	SUPPLY AIRFLOW (L/s)
	RETURN/EXHAUST AIRFLOW (L/s)
	EXPECTED LEAKAGE AIRFLOW (L/s)

MECHANICAL DRAWING LIST	
DRAWING #	DRAWING NAME
M-000	COVER PAGE
M-001	MECHANICAL LEGEND & DRAWING LIST
M-002	MECHANICAL SCHEDULES I
M-201	PLUMBING DEMOLITION - LEVEL 1
M-250	PLUMBING NEW WORK - FOUNDATION
M-251	PLUMBING NEW WORK - LEVEL 1
M-301	VENTILATION DEMOLITION - LEVEL 1
M-351	VENTILATION NEW WORK - LEVEL 1
M-353	VENTILATION NEW WORK - LEVEL 2
M-391	HVAC PRESSURIZATION - LEVEL 1
M-501	FIRE PROTECTION DEMOLITION - LEVEL 1
M-551	FIRE PROTECTION NEW WORK - LEVEL 1
M-700	MECHANICAL CONTROL SEQUENCES I
M-800	MECHANICAL TYPICAL DETAILS I

[illegible]

GRILLES AND DIFFUSERS									
TAG	BASIS OF DESIGN		TYPE	VOLUME CONTROL	DIMENSIONS			MATERIAL	NOTES
	MANUFACTURER	MODEL			LENGTH (mm)	WIDTH (mm)	NECK DIAMETER (mm)		
A	EH PRICE	LFDG	LAMINAR FLOW DIFFUSER (WITH HEPA)	YES	600	600	REFER TO FLOOR PLANS	STAINLESS STEEL	1,2,3,4,5,6,7,8,9,11
A1	EH PRICE	<varies>	<varies>	YES	600	600	REFER TO FLOOR PLANS	<varies>	<varies>
D	EH PRICE	730D	LOUVERED FACE RETURN/EXHAUST	YES	300	300		STAINLESS STEEL	1,2,3,13
F	EH PRICE	RSR-FC	FAN FILTER UNIT	YES	1200	600	REFER TO FLOOR PLANS	STAINLESS STEEL	1,2,3,4,6,7,8,11,12,14
G1	EH PRICE	10	PERFORATED RETURN GRILLE	NO	300	300		ALUMINUM	1,2,3
G2	EH PRICE	80	EGG CRATE GRILLE	NO	600	300		ALUMINUM	1,2,3
NOTES: 1. GRILLE & DIFFUSER FRAME TO SUIT CEILING TYPE 2. VOLUME CONTROL DAMPER MATERIAL TO MATCH GRILLE & DIFFUSER MATERIAL AND ACCESSIBLE ON ROOM SIDE 3. GRILLE & DIFFUSER COLOUR TO MATCH ARCHITECTURAL FINISH 4. REFER TO DRAWINGS FOR DIFFUSER NECK SIZE 5. DIFFUSER TO BE C/W MANUFACTURER INSTALLED 20mm FOIL BACKED INSULATION 6. DIFFUSER TO BE C/W MANUFACTURER INSTALLED WELDED PLENUM 7. DIFFUSER TO BE C/W ROOM SIDE REPLACEABLE HEPA FILTER WITH LED FILTER INDICATOR STATUS ACCESSIBLE ON ROOM SIDE 8. GRILLE & DIFFUSER TO BE C/W ONE-QUARTER TURN FASTENERS ACCESSIBLE ON ROOM SIDE 9. DIFFUSER TO BE C/W EQUALIZATION BASKET ACCESSIBLE ON ROOM SIDE 10. FLOW PATTERN TO BE PERFORATED FACE 2-WAY RADIAL 11. DIFFUSER TO BE C/W INTEGRAL HEPA FILTER ACCESSIBLE ON ROOM SIDE 12. FAN FILTER UNIT TO BE C/W BACnet FLOW CONTROLLER ADJUSTABLE THROUGH THE BUILDING AUTOMATION SYSTEM THROUGH A 0-10 VDC SIGNAL ACCESSIBLE ON ROOM SIDE 13. BLADE SPACING TO BE 3/4" WITH 45° HORIZONTAL BLADE DEFLECTION 14. FAN FILTER UNIT TO BE C/W CONSTANT FLOW SUPPLY FAN PROGRAMMING									

PLUMBING FIXTURE TYPES			
TAG	USE	OPERATION	NOTES
S-1	HAND HYGENE SINK, SOLID SURFACE	MANUAL	WALL HUNG, GOOSENECK, CSA Z8000, FOOT PEDAL
S-2	UTILITY SINK	BLADE	INTEGRALLY FORMED, GOOSENECK
S-3	SCRUB SINK	ELECTRONIC	WALL HUNG, USER ADJUSTABLE TEMPERATURE
EW-1	EYEWASH	MANUAL	WALL MOUNT
ESHEW-1	EMERGENCY EYEWASH AND SHOWER COMBINATION UNIT	MANUAL	RECESSED WALL MOUNT

DUAL DUCT TERMINAL UNITS									
TAG	SIZE	MANUFACTURER	MODEL	MINIMUM AIRFLOW (L/s)	MAXIMUM AIRFLOW (L/s)	INLET SIZE (mm)	OUTLET SIZE (mmxmm)	A.P.D. (Pa)	NOTES
DDU-4	4	EH PRICE	DDS	36	106	98	305x203	67	1,2,3,4,5
DDU-5	5	EH PRICE	DDS	71	165	124	305x203	80	1,2,3,4,5
DDU-6	6	EH PRICE	DDS	95	189	149	305x203	177	1,2,3,4,5
DDU-7	7	EH PRICE	DDS	95	260	175	305x254	144	1,2,3,4,5
DDU-8	8	EH PRICE	DDS	165	354	200	305x254	142	1,2,3,4,5
DDU-9	9	EH PRICE	DDS	189	472	225	356x318	129	1,2,3,4,5
DDU-10	10	EH PRICE	DDS	236	614	251	356x318	134	1,2,3,4,5
DDU-12	12	EH PRICE	DDS	331	897	302	406x381	119	1,2,3,4,5
DDU-14	14	EH PRICE	DDS	472	1369	352	508x445	102	1,2,3,4,5
DDU-16	16	EH PRICE	DDS	567	1652	403	610x457	149	1,2,3,4,5
NOTES: 1. DUAL DUCT UNIT SHALL BE BALANCED TO AIR FLOW RATE INDICATED ON THE DRAWINGS. 2. HANDING ARRANGEMENT SHALL BE CONFIRMED ON SITE BY THE MECHANICAL CONTRACTOR PRIOR TO INSTALLATION. 3. DUAL DUCT UNIT DAMPER SHALL FAIL LAST ON LOSS OF POWER. 4. DUAL DUCT UNIT TO BE C/W MULTIPPOINT CROSS FLOW SENSOR. 5. DUAL DUCT UNIT TO BE C/W CONTROLLER SUPPLIED BY THE CONTROLS CONTRACTOR, WITH BACNET COMMUNICATION CARD.									

CLIENT:



1112 St Andrews Dr,  
Midland, ON  
L4R 4P4

CONSULTANT:



250 Rowntree Dairy Rd.  
Woodbridge, ON L4L 9J7  
905-937-8800  
www.quasargroup.com

HC-24-104

SEAL:



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2	ISSUED FOR PERMIT/TENDER	2025-12-17
1	ISSUED FOR 100% DD	2025-10-14
NO	DESCRIPTION	DATE

SHEET REVISION

PROJECT:  
PHARMACY  
1112 St. Andrews Dr, Midland, ON L4R 4P4

TITLE:  
MECHANICAL SCHEDULES I

PROJECT NO:  
23001A  
CHECKED:  
AS

DRAWING NO:  

M-002



1. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING/LOCATING ALL EXISTING SERVICES AS IDENTIFIED IN THE DESIGN DRAWINGS/REQUIRED BY THE SCOPE OF WORK. NOTIFY MECHANICAL ENGINEER OF ANY DISCREPANCIES IN EXISTING CONDITIONS.
2. NO EXISTING PIPING/DUCTWORK SHALL BE ABANDONED. CUT BACK AND CAP DEMOLISHED SERVICES AT NEAREST BRANCH/MAIN. AVOID DEAD LEG.

- ① DEMOLISH EXISTING SINK. CUT BACK AND CAP EXISTING DOMESTIC HOT WATER, COLD WATER, SANITARY AND VENT PIPING BEHIND FINISHED WALL/CEILING.
- ② WALL MOUNTED FAUCET AND HOSE STATION TO BE REMOVED. CAPPED SERVICES BEHIND NEW FINISHED WALL.
- ③ REMOVE EXISTING COUNTER SINK AND DECK MOUNTED EYEWASH. CUT BACK AND CAP DOMESTIC HOT WATER, COLD WATER, SANITARY AND VENT PIPING BEHIND FINISHED WALL/CEILING.

 Hôpital général de la baie Georgienne  
**GEORGIAN BAY**  
General Hospital

1112 St Andrews Dr,  
Midland, ON  
L4R 4P4

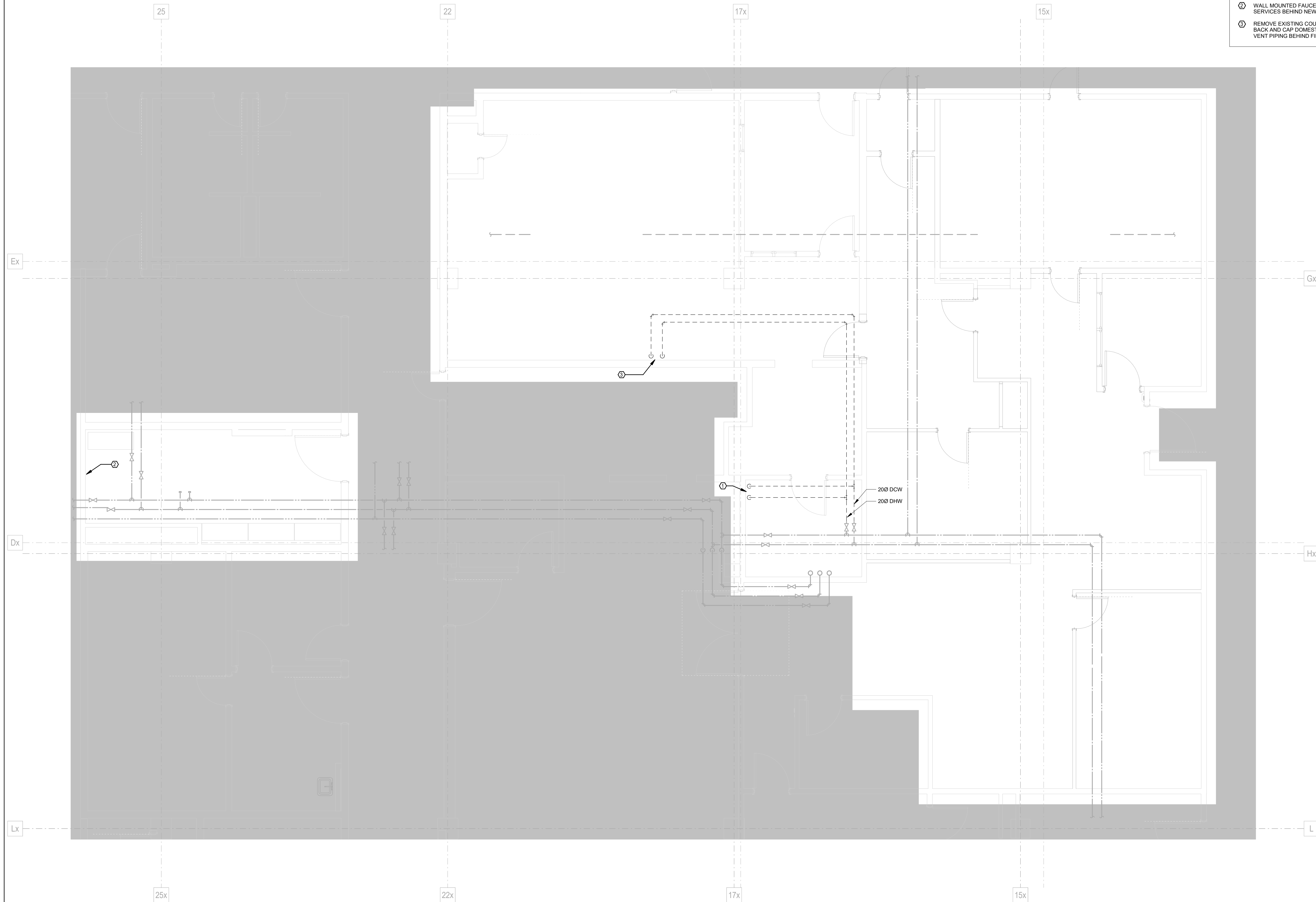
 **QUASAR**  
CONSULTING GROUP

250 Rowntree Dairy Rd.  
Woodbridge, ON L4L 9J7  
905-507-0800  
[www.quasarcg.com](http://www.quasarcg.com)

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1 PLUMBING - LEVEL 1 - DEMOLITION (PHASE 0)  
SCALE: 1 : 50

[illegible]

1	ISSUED FOR PERMIT/TENDER	2025-12-17
NO	DESCRIPTION	DATE

SHEET REVISION

PROJECT:  
PHARMACY  
1112 St. Andrews Dr, Midland, ON L4R 4P4

TITLE:  
PLUMBING DEMOLITION - LEVEL 1

PROJECT NO:  
23001A

CHECKED:  
AS

DRAWING NO:

# M-201





DRAWING NO:

**M-251**



1. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING/LOCATING ALL EXISTING SERVICES AS IDENTIFIED IN THE DESIGN DRAWINGS/REQUIRED BY THE SCOPE OF WORK. NOTIFY MECHANICAL ENGINEER OF ANY DISCREPANCIES IN EXISTING CONDITIONS.
2. NO EXISTING PIPING/DUCTWORK SHALL BE ABANDONED. CUT BACK AND CAP DEMOLISHED SERVICES AT NEAREST BRANCH/MAIN. AVOID DEAD LEG.

1 EXISTING PAINT SHOP EXHAUST FAN EF-42 STARTER, POWER AND PNEUMATIC CONTROLS TO BE RELOCATED TO OTHER SIDE OF WALL IN LAUNDRY AREA.

 **Hôpital général de la baie Georgienne**  
**GEORGIAN BAY**  
General Hospital

1112 St Andrews Dr,  
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 **QUASAR**  
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1	ISSUED FOR 100% DD	2025-10-14
NO	DESCRIPTION	DATE
SHEET REVISION		

PROJECT:  
PHARMACY  
1112 St. Andrews Dr, Midland, ON L4R 4P4

TITLE:  
VENTILATION DEMOLITION - LEVEL 1

PROJECT NO:  
23001A

CHECKED:  
AS

DRAWING NO:

M-301

1. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING/LOCATING ALL EXISTING SERVICES AS IDENTIFIED IN THE DESIGN DRAWINGS/REQUIRED BY THE SCOPE OF WORK. NOTIFY MECHANICAL ENGINEER OF ANY DISCREPANCIES IN EXISTING CONDITIONS.
2. NO EXISTING PIPING/DUCTWORK SHALL BE ABANDONED, CUT BACK AND CAP DEMOLISHED SERVICES AT NEAREST BRANCH/MAIN. AVOID DEAD LEG.

- ① PROVIDE RETURN DUCT DN. TO LOW LEVEL EXHAUST GRILLE. EXHAUST GRILLE TO BE INSTALLED 150mm ABOVE FINISHED FLOOR. PROVIDE TRANSITIONS AS REQUIRED. REFER TO MECHANICAL DETAILS FOR ADDITIONAL INFORMATION. TYPICAL.
- ② CONTRACTOR TO TAKE DUCT TRANSVERSE MEASUREMENTS AT THE FOLLOWING POINTS PRIOR TO NEW WORK. CONTRACTOR TO REBALANCE THE SYSTEM TO PRE MEASURED AIRFLOW AND STATIC PRESSURE AFTER NEW WORK IS COMPLETE.

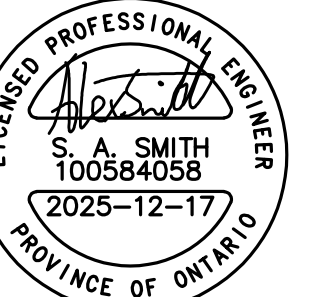
 Hôpital général de la baie Georgienne  
**GEORGIAN BAY**  
General Hospital

1112 St Andrews Dr,  
Midland, ON  
L4R 4P4

 **QUASAR**  
CONSULTING GROUP

250 Rowntree Dairy Rd.  
Woodbridge, ON L4L 9J7  
905-507-0800  
[www.quasarcg.com](http://www.quasarcg.com)

SEAL:



THE SPECIFICATIONS ARE TO BE CONSIDERED AS AN  
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DIMENSIONS. DO NOT SCALE.



2	ISSUED FOR PERMIT/TENDER	2025-12-
1	ISSUED FOR 100% DD	2025-10-
NO	DESCRIPTION	DATE
SHEET REVISION		

PROJECT:  
PHARMACY  
1112 St. Andrews Dr, Midland, ON L4R 4P4

TITLE: VENTILATION NEW WORK - LEVEL 1

PROJECT NO:  
23001A

CHECKED:  
AS

DRAWING NO:

# M-351





M-353

## DRAWING KEYNOTES

 **Hôpital général de la baie Georgienne**  
**GEORGIAN BAY**  
General Hospital

1112 St Andrews Dr,  
Midland, ON  
L4R 4P4

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[illegible]

1	ISSUED FOR PERMIT/TENDER	2025-12-1
NO	DESCRIPTION	DATE
SHEET REVISION		

PROJECT:  
PHARMACY  
1112 St. Andrews Dr, Midland, ON L4R 4P4

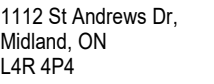
TITLE:  
HVAC PRESSURIZATION - LEVEL 1

PROJECT NO: 23001A	DRAWING NO: <b>M-</b>
CHECKED: AS	

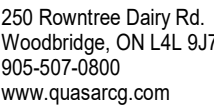
M-391

1. EXISTING SPRINKLER SYSTEM TO BE MODIFIED AS REQUIRED TO ACCOMMODATE ALL NEW WORK. REMOVE ALL REDUNDANT SPRINKLER HEADS AND ASSOCIATED PIPING.

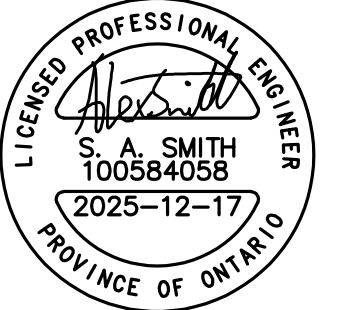
CLIENT:



CONSULTANT:



SEAL:



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ALL EXISTING SPRINKLER HEADS TO BE REMOVED. CUT BACK EXISTING SPRINKLER BRANCH PIPING TO ALLOW FOR NEW CONNECTIONS. (TYPICAL)

**FIRE PROTECTION - LEVEL 1 - DEMOLITION**  
SCALE: 1 : 50

2	ISSUED FOR PERMIT/TENDER	2025-12-17
1	ISSUED FOR 100% DD	2025-10-14
NO	DESCRIPTION	DATE
SHEET REVISION		

PROJECT:  
PHARMACY  
1112 St. Andrews Dr, Midland, ON L4R 4P4

TITLE:  
FIRE PROTECTION DEMOLITION - LEVEL 1

PROJECT NO:  
23001A

CHECKED:  
AS

DRAWING NO:

# M-501



1. THE FIRE PROTECTION DRAWINGS ARE PREPARED TO PROVIDE THE DESIGN INTENT AND CONTRACT AREA TO THE CONTRACTOR, CITY, FIRE DEPARTMENT, LOCAL AUTHORITIES, AND UNDERWRITERS.
2. QASAR CONSULTING GROUP IS NOT IN ANY WAY LIABLE FOR THE ACCURACY OR ANY INFORMATION OF THE FIRE PROTECTION DRAWINGS. USE OF THE FIRE PROTECTION DRAWINGS FOR OTHER PURPOSES SUCH AS PRICE QUOTATION AND ENGINEERING DESIGN SHALL BE AT THEIR OWN RISK.
3. THE SUCCESSFUL FIRE PROTECTION CONTRACTOR SHALL PREPARE ALL ENGINEERING DOCUMENTS (SEALED BY PROFESSIONAL ENGINEER) AND SHALL NOT BE LIMITED TO THE DRAWINGS CONSISTING OF THE SPRINKLER HEAD LOCATIONS, FIRE HOSE CABINET LOCATIONS (WHERE APPLICABLE) AND HYDRAULIC CALCULATIONS AND SUBMIT TO THE CONSULTANTS FOR REVIEW AND APPROVAL BY THE CITY AND LOCAL AUTHORITIES FOR APPROVAL. (WHERE REQUIRED) AND SUBMIT TO THE CITY FOR APPROVAL AND PERMITS. ON CONSTRUCTION COMPLETION, FIRE PROTECTION CONTRACTORS SHALL SUBMIT TO THE CITY AN NFPA-4 CONFORMANCE LETTER DULY SIGNED AND STAMPED BY FIRE PROTECTION ENGINEER.
4. CONTRACTOR SHALL INCLUDE ALL MEASURES AND COSTS TO COMPLETE THE FIRE PROTECTION SYSTEM INCLUDING BUT NOT LIMITED TO OBTAINING INFORMATION OF EXISTING SYSTEM, PIPE MODIFICATIONS, EQUIPMENT REPLACEMENT, ADDITIONAL DEVICE ACCESSORIES, EXISTING ITEM REMOVE AND DISPOSAL, DRAINAGE AND RECHARGE, FREEZE PROTECTION, INSULATION, POWER, COMMUNICATION, PERMIT APPLICATIONS, SITE WORK, OFFSET PIPING, RELOCATE OR ADD ADDITIONAL SPRINKLER HEADS AS REQUIRED TO PROVIDE PROPER SPRINKLER COVERAGE AT NO ADDITIONAL COST.
5. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, STRUCTURAL, ARCHITECTURAL AND OTHER TRADES (EXISTING OR NEW) FOR FINAL LOCATION OF SPRINKLER HEADS AND PIPE ROUTING IN ORDER TO PREVENT CONFLICTS INCLUDING LIGHTING, GRILLS, DIFFUSERS, AND SIMILAR ITEMS. OFFSET PIPING, RELOCATE OR ADD ADDITIONAL SPRINKLER HEADS AS REQUIRED TO PROVIDE PROPER SPRINKLER COVERAGE AT NO ADDITIONAL COST.
6. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL COORDINATE WITH OWNER, THE DATE AND PERIOD OF TIME PERMITTED FOR DISMANTLING AND REMOVAL OF EXISTING SPRINKLER SYSTEM IN ORDER TO MINIMIZE INTERRUPTIONS OF THE SITE'S DAILY OPERATIONS. CONTRACTOR SHALL INCLUDE IN HIS PRICE FOR AFTER HOURS WORK IN ORDER TO KEEP THE BUILDING OPERATIONAL DURING THE CONSTRUCTION PERIOD.
7. WHERE CEILING, FLOOR AND WALL OPENINGS ARE REQUIRED TO RUN SPRINKLER SYSTEMS, INCLUDE FOR ALL COST OF THESE DRAWINGS CUTTING AND PATCHING. SEAL UP ALL OPENINGS WITH SMOKE AND FIRE STOPPING MATERIALS.
8. CONTRACTOR TO ALLOW FOR FIRE WATCH DURING PERIOD OF SPRINKLER SYSTEM REMEDIATION.
9. EXISTING SPRINKLER SYSTEM TO BE MODIFIED AS REQUIRED TO ACCOMMODATE ALL NEW WORK. REMOVE ALL REDUNDANT SPRINKLER HEADS AND ASSOCIATED PIPING AND PROVIDE ALL NECESSARY NEW PIPING INCLUDING BRANCHING, BRANCH MAINS AND BRANCH LINES TO NEW OR RELOCATED SPRINKLER HEADS.
10. REFER TO SPECIFICATIONS FOR THE TYPE OF SPRINKLER HEAD IN FINISHED CEILING, T-BAR CEILING, ETC.

## DRAWING KEYNOTES

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1

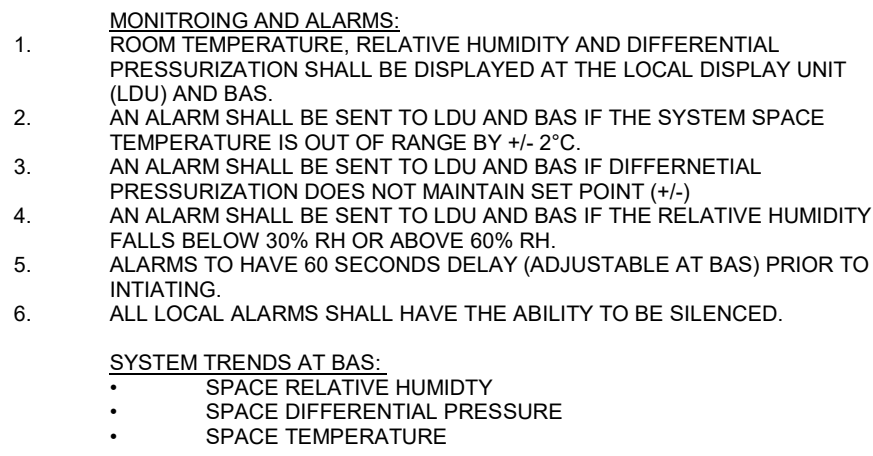
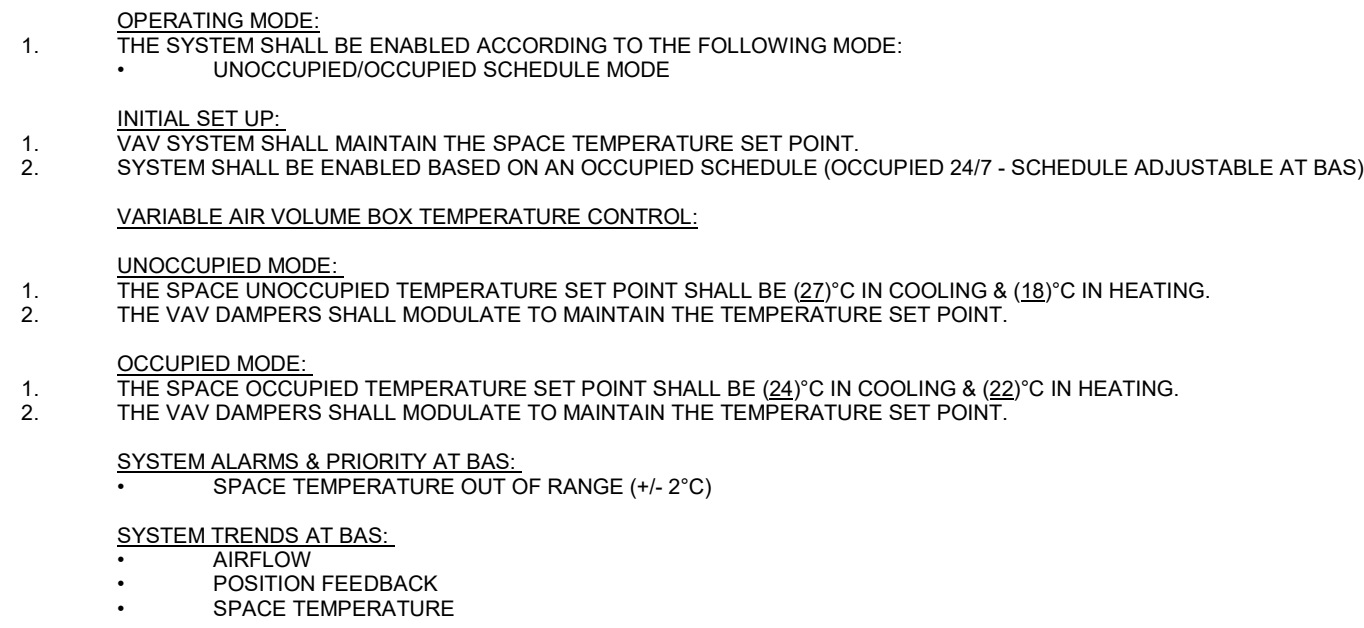
2	ISSUED FOR PERMIT/TENDER	2025-12-17
1	ISSUED FOR 100% DD	2025-10-14
NO	DESCRIPTION	DATE

SHEET REVISION

PROJECT:  
PHARMACY  
1112 St. Andrews Dr, Midland, ON L4R 4P4

TITLE: FIRE PROTECTION NEW WORK - LEVEL 1

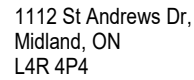
PROJECT NO: 23001A	DRAWING NO: <b>M-551</b>
CHECKED: AS	



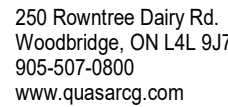
## SCALE:N.T.S

## SCALE:N.T.S.

CLIENT:



CONSULTANT:



HC-24-104

SEAL:



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[illegible]

1	ISSUED FOR PERMIT/TENDER	2025-12-17
NO	DESCRIPTION	DATE
SHEET REVISION		

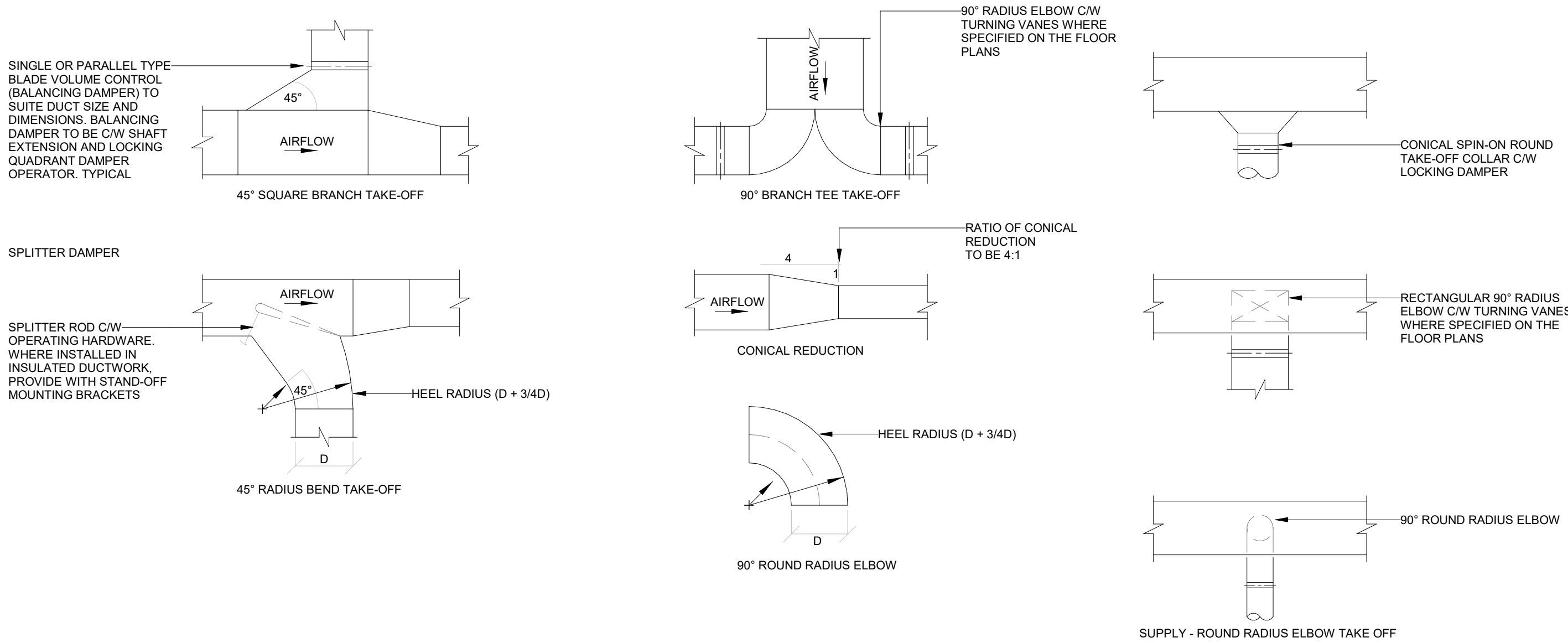
PROJECT:  
PHARMACY  
1112 St. Andrews Dr, Midland, ON L4R 4P4

TITLE: MECHANICAL CONTROL SEQUENCES I

PROJECT NO: 23001A	DRAWING NO: <b>M</b>
CHECKED: AS	

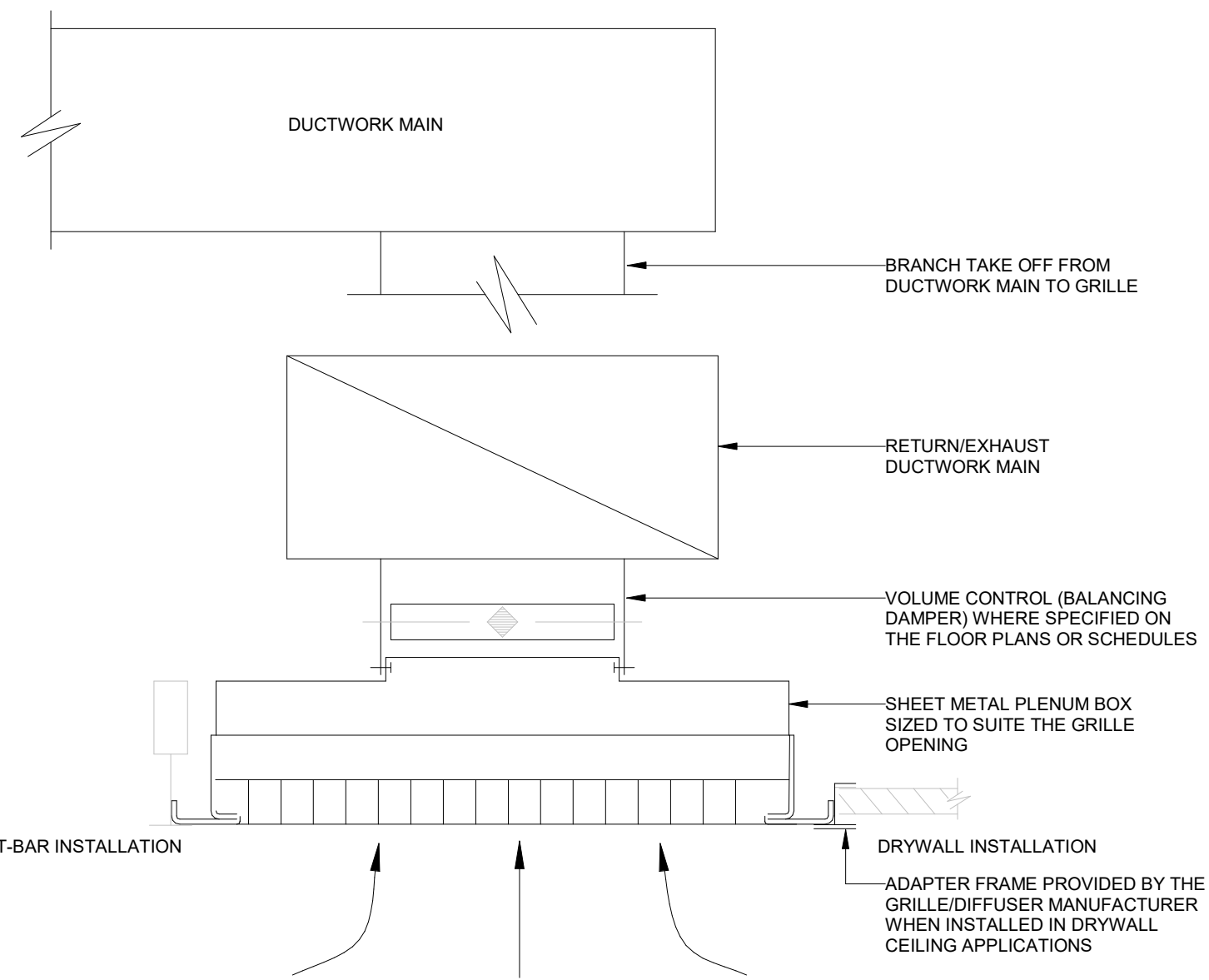
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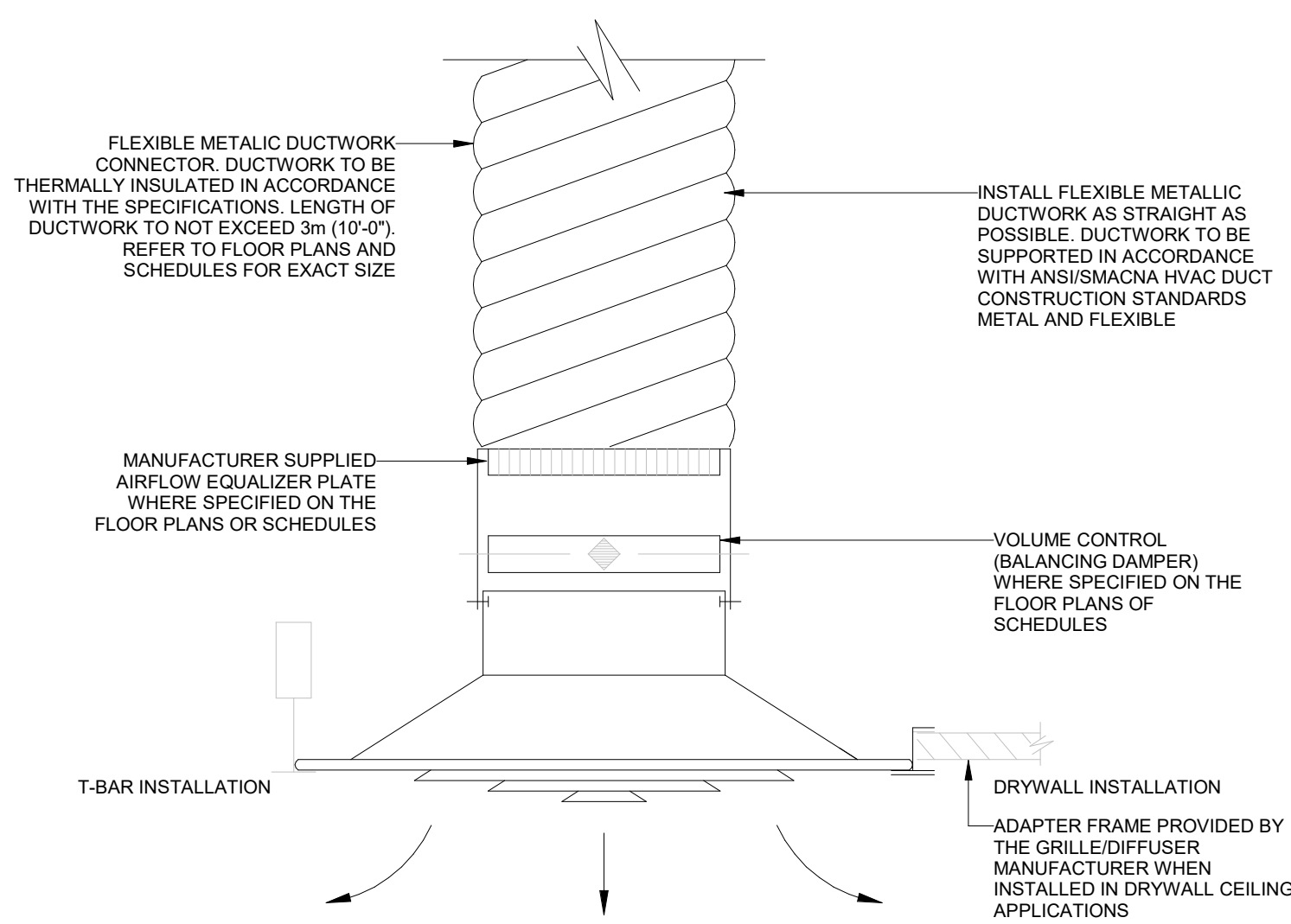
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SCALE:N.T.S.



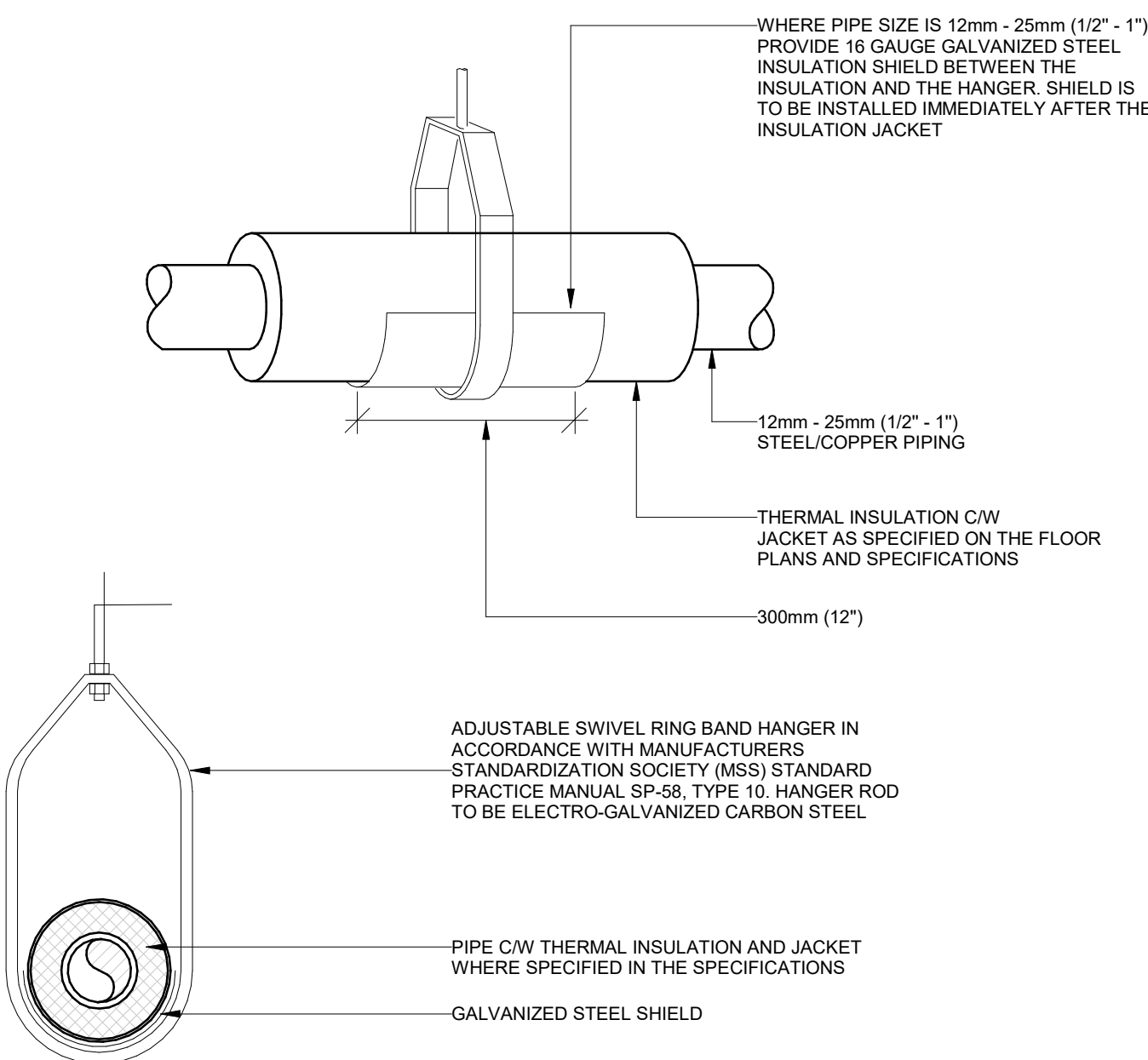
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SCALE:N.T.S.



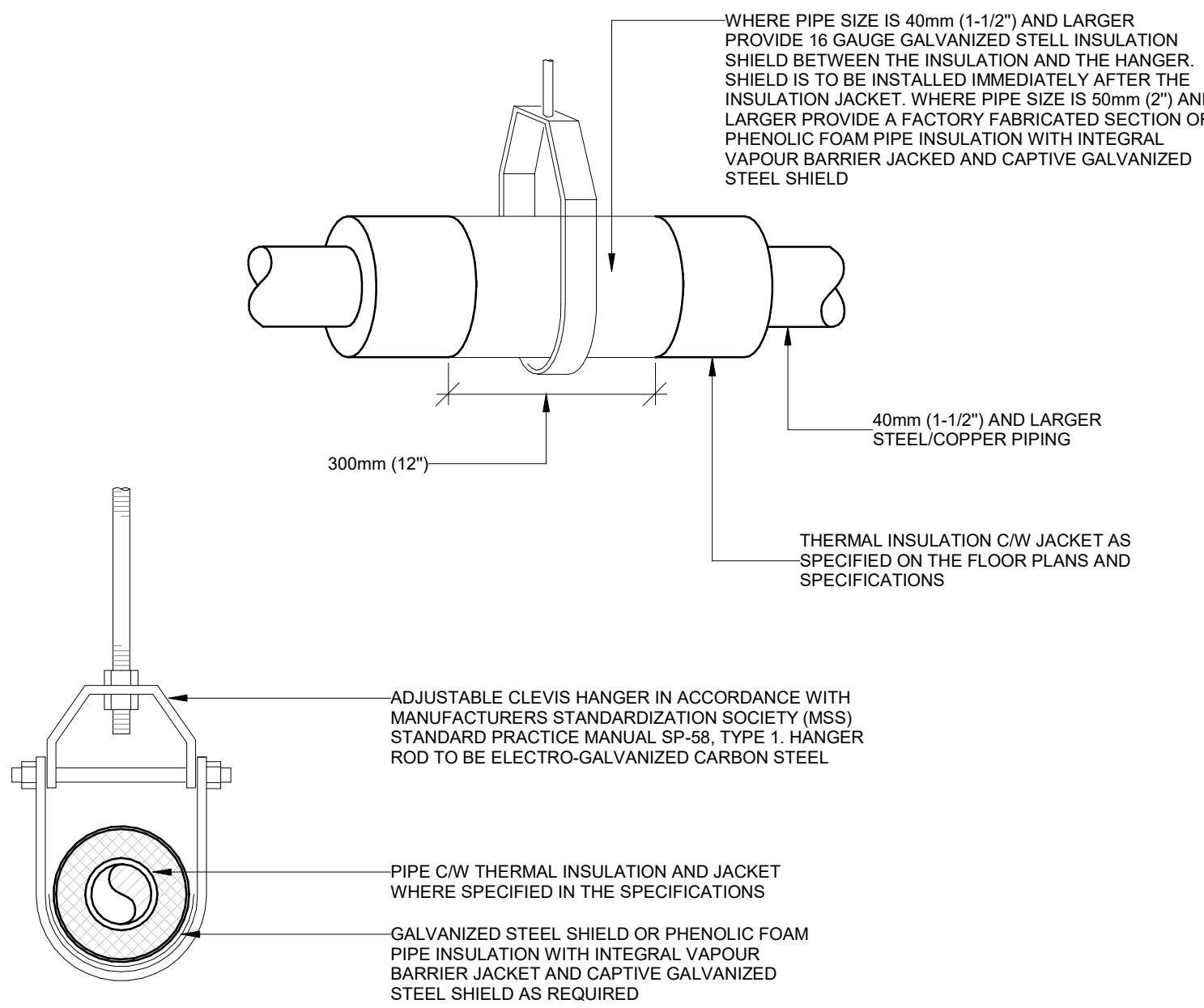
### 23 30 42.01 CEILING MOUNTED DIFFUSER

SCALE:N.T.S.



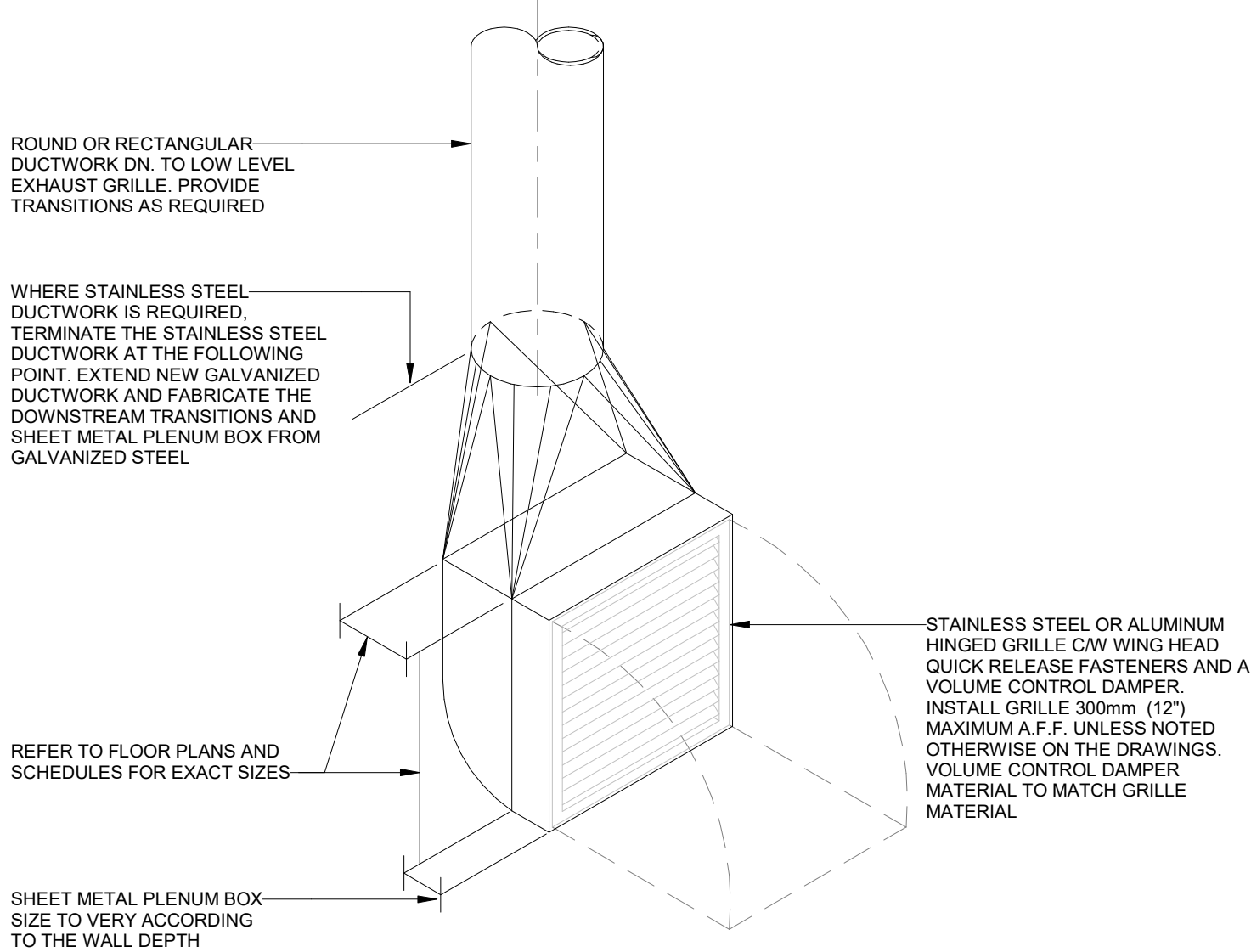
### 20 05 00.03 PIPING HANGERS AND SUPPORTS

SCALE:N.T.S.



### 20 05 00.04 PIPING HANGERS AND SUPPORTS

SCALE:N.T.S.



### 23 30 42.03 LOW LEVEL GRILLE

SCALE:N.T.S.

CLIENT:

**GEORGIAN BAY**  
General Hospital  
1112 St Andrews Dr.  
Midland, ON  
L4R 4P4

CONSULTANT:

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NO	DESCRIPTION	DATE
1	ISSUED FOR PERMIT/TENDER	2025-12-17

PROJECT:  
PHARMACY  
1112 St. Andrews Dr, Midland, ON L4R 4P4

TITLE:  
MECHANICAL TYPICAL DETAILS I

PROJECT NO:  
23001A  
CHECKED:  
AS

DRAWING NO:

M-800