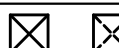
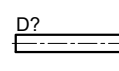
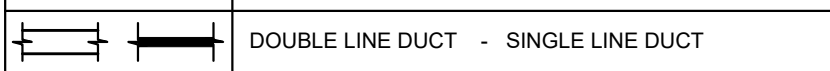
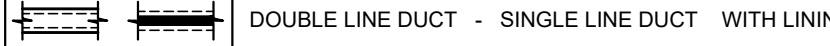
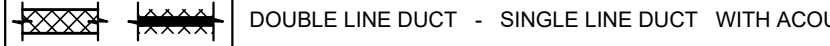
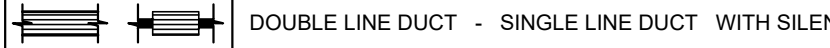
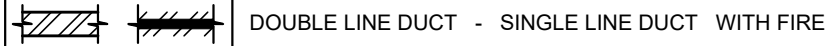
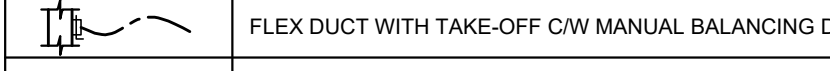
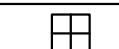
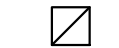
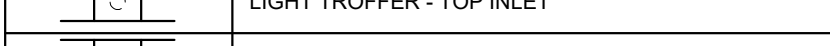
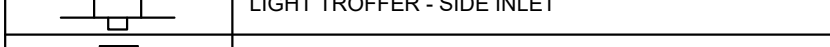
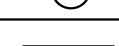
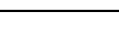
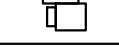
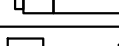
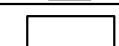
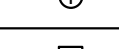
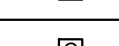
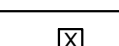
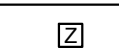
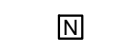
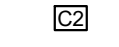
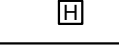
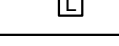
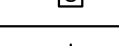
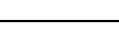
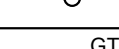
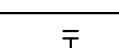
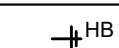
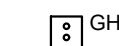
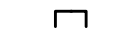
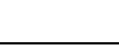
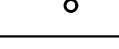
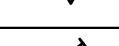
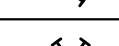
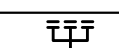
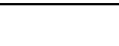
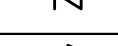
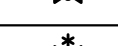
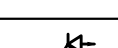
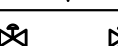
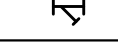
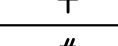
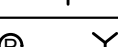
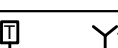
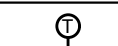
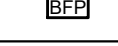
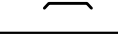
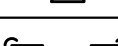
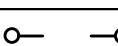
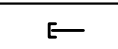
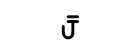
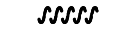
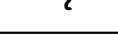
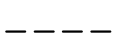
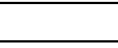
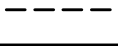
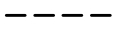
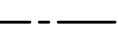
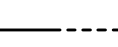
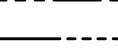
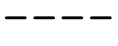
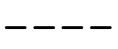
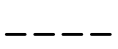
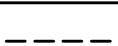
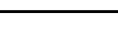
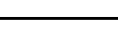
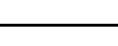
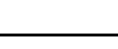
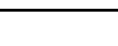
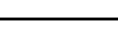
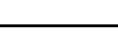
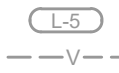
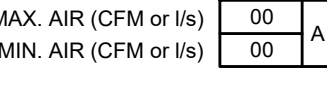
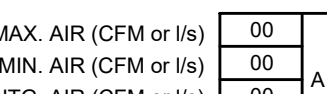
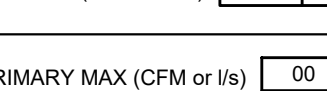
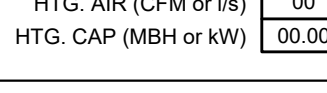
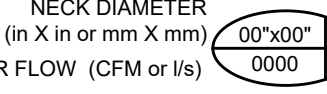
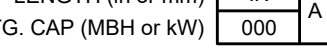
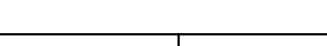
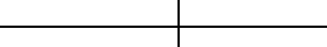
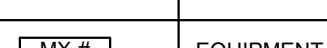
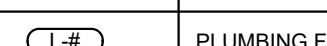
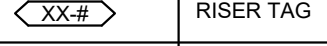
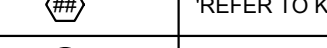
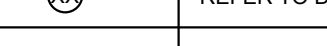
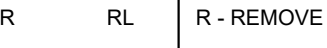
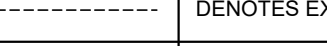
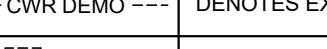
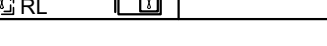
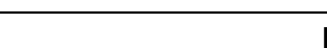
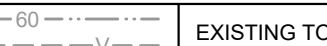
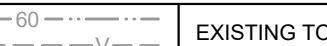
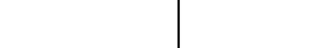
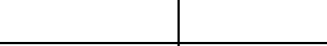
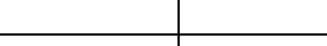
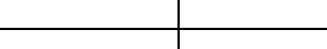
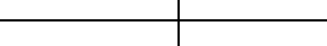
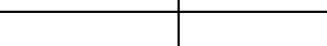
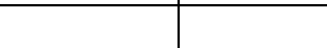
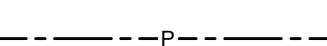
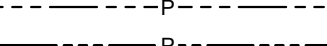
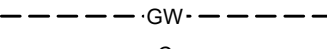
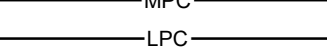
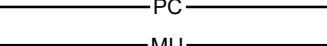
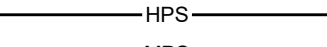
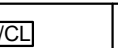
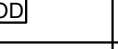
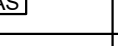
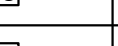
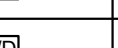
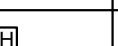
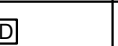
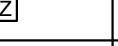
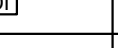
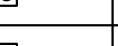
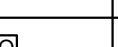
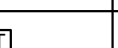
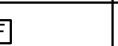
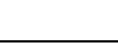


MECHANICAL LEGEND		EXISTING DEVICES ARE TONED : 
	SUPPLY OR OUTSIDE AIR DUCT (UP / DOWN)	
	RETURN AIR DUCT (UP / DOWN)	
	EXHAUST AIR DUCT (UP / DOWN)	
	DAMPER DF - FIRE DG - GRAVITY BACKDRAFT DA - AUTOMATIC W/ OPERATOR DFS - FIRE/SMOKE DM - MANUAL BALANCING DS - SMOKE	
	DOUBLE LINE DUCT - SINGLE LINE DUCT	
	DOUBLE LINE DUCT - SINGLE LINE DUCT WITH LINING AS NOTED	
	DOUBLE LINE DUCT - SINGLE LINE DUCT WITH ACOUSTIC INSULATION	
	DOUBLE LINE DUCT - SINGLE LINE DUCT WITH SILENCER	
	DOUBLE LINE DUCT - SINGLE LINE DUCT WITH FIRE WRAP	
	FLEX DUCT WITH TAKE-OFF C/W MANUAL BALANCING DAMPER	
	SECURITY BAR IN DUCTWORK	
	RETURN AIR GRILLE	
	EXHAUST GRILLE	
	TRANSFER GRILLE	
	LIGHT TROFFER - TOP INLET	
	LIGHT TROFFER - SIDE INLET	
	SQUARE DIFFUSER	
	ROUND DIFFUSER	
	LINEAR DIFFUSER	
	VAV BOX	
	VAV BOX WITH REHEAT COIL	
	VAV BOX WITH ATTENUATOR	
	VAV BOX WITH ATTENUATOR AND REHEAT COIL	
	BYPASS BOX	
	FAN POWERED VAV BOX	
	MECHANICAL EQUIPMENT AS INDICATED (REVIT)	
	THERMOSTAT	
	TEMPERATURE SENSOR - (DIGITAL)	
	CO SENSOR	
	TEMPERATURE/CO2 SENSOR	
	TEMPERATURE/OCCUPANCY SENSOR	
	COINOX SENSOR	
	CO2 SENSOR	
	HUMIDITY SENSOR	
	LEAK DETECTOR	
	SPEED CONTROLLER	
	ON/OFF SWITCH - CONTROL SWITCH	
	FD - FLOOR HD - HUB FFD - FUNNEL FLOOR AD - AREA GD - GARAGE	
	ROOF DRAIN (SIZE)	
	CATCH BASIN MAN HOLE AS INDICATED	
	RUNNING TRAP	
	TD - TRENCH GTD - GARAGE	
	BACKWATER VALVE	
	CLEANOUT	
	HB - HOSE BIB NFBH - NON-FREEZE HOSE BIB WH - WALL HYDRANT	
	NON-FREEZE GROUND HYDRANT	
	CAP	
	FIRE HOSE CABINET	
	FIRE EXTINGUISHER	
	FIRE EXTINGUISHER WITH CABINET	
	SPRINKLER HEAD - PENDANT	
	SPRINKLER HEAD - SEMI-RECESSED	
	SPRINKLER HEAD - RECESSED	
	SPRINKLER HEAD - UPRIGHT	
	SPRINKLER HEAD - SIDEWALL	
	FIRE DEPARTMENT CONNECTION	
	FIRE HYDRANT	
	FIRE PUMP TEST HEADER	

MECHANICAL LEGEND		EXISTING DEVICES ARE TONED : 
	ISOLATION VALVE	
	CIRCUIT BALANCING VALVE	
	AUTOMATIC FLOW CONTROL VALVE	
	BALANCING VALVE	
	CHECK VALVE	
	PRESSURE REDUCING VALVE	
	SUPERVISED VALVE	
	(SAFETY) RELIEF VALVE	
	2 OR 3 WAY CONTROL VALVE	
	SOLENOID VALVE	
	SHUT OFF FIRE SAFE VALVE	
	DRAIN VALVE	
	STRAINER	
	UNION	
	AIR VENT	
	FLOW SWITCH	
	PRESSURE GAUGE	PRESSURE WELL
	THERMOMETER	THERMOMETER WELL
	TEMPERATURE GAUGE	
	WATER METER / GAS METER / METER AS NOTED	
	VENTURI FLOW METER	
	BACKFLOW PREVENTOR	
	PIPE GUIDE / PIPE ANCHOR	
	WALL SLEEVE	
	EXPANSION JOINT	
	ELBOW TURNING DN / TEE OUTLET TURNING DN	
	ELBOW TURNING UP / TEE OUTLET TURNING UP	
	PIPE END CAPPED	
	RUNNING TRAP	
	HEAT TRACE	
	FLOW ARROW	
	LINE BREAK	
	SAN - SANITARY DRAIN IN CEILING SPACE	
	SAN - SANITARY DRAIN BELOW SLAB	
	SAN.P - SANITARY DRAIN - PUMPED	
	-D - INDIRECT DRAIN	
	-V - SANITARY VENT	
	-ST - STORM DRAIN - SUSPENDED FROM CEILING	
	-ST - STORM DRAIN - BURIED (BELOW FLOOR)	
	ST.P - STORM DRAIN - PUMPED	
	- - - - - DOMESTIC COLD WATER	
	- - - - - DOMESTIC HOT WATER	
	- - - - - DOMESTIC HOT WATER RECIRCULATION	
	- - - - - DOMESTIC HOT WATER - HIGH TEMPERATURE	
	- - - - - DOMESTIC HOT WATER RECIRC - HIGH TEMPERATURE	
	- - - - - DOMESTIC COLD WATER - IRRIGATION	
	HWS - HEATING WATER - SUPPLY	
	HWR - HEATING WATER - RETURN	
	-LT.HWS - HEATING WATER - SUPPLY - LOW TEMPERATURE	
	-LT.HWR - HEATING WATER - RETURN - LOW TEMPERATURE	
	-CHS - CHILLED WATER - SUPPLY	
	-CHR - CHILLED WATER - RETURN	
	CWS - CONDENSER WATER - SUPPLY	
	CWR - CONDENSER WATER - RETURN	
	G.CHS - GLYCOL CHILLED WATER - SUPPLY	
	-G.CHR - GLYCOL CHILLED WATER - RETURN	
	GLS - GLYCOL HEATING - SUPPLY	
	GLR - GLYCOL HEATING - RETURN	
	FOS - FUEL OIL - SUPPLY	
	FOR - FUEL OIL - RETURN	
	FOF - FUEL OIL - FILL	
	FOV - FUEL OIL - VENT	
	-G - GAS - LOW PRESSURE	
	-MG - GAS - MEDIUM PRESSURE	
	-F - FIRE LINE	
	- - - - - SPRINKLER LINE	
	-SPR# - SPRINKLER LINE - ZONE NOTED	
	-D.SPR - SPRINKLER LINE - DRY	

MECHANICAL LEGEND		EXISTING DEVICES ARE TONED : 
	MAX. AIR (CFM or l/s) MIN. AIR (CFM or l/s)	VAV BOX
	MAX. AIR (CFM or l/s) MIN. AIR (CFM or l/s) HTG. AIR (CFM or l/s) HTG. CAP (MBH or kW)	VAV BOX WITH HEATING COIL
	PRIMARY MAX (CFM or l/s) PRIMARY MIN (CFM or l/s) HTG. AIR (CFM or l/s) HTG. CAP (MBH or kW)	FAN POWERED VAV BOX
	SIZE LENGTH OR NECK DIAMETER (in X in or mm X mm) AIR FLOW (CFM or l/s)	DIFFUSER, REGISTER OR GRILLE TYPE = Sx, Rx, Ex
	LENGTH (in or mm) HTG. CAP (MBH or kW)	RADIATION OR (RP) RADIANT PANEL
	CTE	CONNECT TO EXISTING
	MX-#	EQUIPMENT TAG (REFER TO SCHEDULE)
	L-#	PLUMBING FIXTURE TAG
	XX-#	RISER TAG
	##	'REFER TO KEYNOTE' NUMBER
	XX	'REFER TO DETAIL NOTE' NUMBER
	DWG. M-XXX	DENOTES MATCHLINE
	DWG. M-XXX	DENOTES CROSS SECTION DETAIL CALL OUT
		DENOTES DETAIL CALLOUT
DEMOLITION		
	R	R - REMOVE
	RL	RL - RELOCATE
		DENOTES EXISTING EQUIPMENT, DUCT TO BE 'REMOVED'
	---CWR DEMO---	DENOTES EXISTING PIPE TO BE 'REMOVED'
		DENOTES EXISTING EQUIPMENT TO BE 'REMOVED'
		DENOTES EXISTING EQUIPMENT, PIPE, DUCT TO BE 'RELOCATED'
EXISTING		
		EXISTING TO REMAIN (TONED)
	- - - - - P - - - - -	DOMESTIC COLD WATER - HIGH PRESSURE
	- - - - - P - - - - -	DOMESTIC HOT WATER - HIGH PRESSURE
	- - - - - P - - - - -	DOMESTIC HOT WATER RECIRC - HIGH PRESSURE
	- - - - - GW - - - - -	GROUND WATER DRAIN - UNDERGROUND
	- - - - - C - - - - -	CONDENSATE DRAIN
	- - - - - REF - - - - -	REFRIGERANT
	- - - - - REF - - - - -	REFRIGERANT - RETURN
	- - - - - HPC - - - - -	CONDENSATE - HIGH PRESSURE
	- - - - - MPC - - - - -	CONDENSATE - MEDIUM PRESSURE
	- - - - - LPC - - - - -	CONDENSATE - LOW PRESSURE
	- - - - - PC - - - - -	CONDENSATE - PUMPED
	- - - - - MU - - - - -	MAKEUP WATER
	- - - - - HPS - - - - -	STEAM - HIGH PRESSURE
	- - - - - MPS - - - - -	STEAM - MEDIUM PRESSURE
	- - - - - LPS - - - - -	STEAM - LOW PRESSURE
	- - - - - GRW - - - - -	GRAY WATER
	- - - - - GRW P - - - - -	GRAY WATER - PUMPED
	- - - - - AD - - - - -	ACID DRAIN

MECHANICAL LEGEND		EXISTING DEVICES ARE TONED : 
	OPICL	OPEN/CLOSE
	CO2	CO2 SENSOR
	AFS	AIR FLOW SENSOR
	MOD	MODULATING
	FAS	FIRE ALARM SYSTEM
	ES	END SWITCH
	SS	START/STOP
	ED	ENABLE/DISABLE
	HH	HIGH HUMIDITY SENSOR
	PD	PRESSURE DIFFERENTIAL
	SD	SMOKE DETECTOR
	FS	FIRE STAT
	EZ	FREEZE STAT
	DI	DIGITAL INPUT
	DO	DIGITAL OUTPUT
	AI	ANALOGUE INPUT
	AO	ANALOGUE OUTPUT
	T	TEMPERATURE SENSOR
	F	FLOW SENSOR
	P	PRESSURE SENSOR
	H	HUMIDITY SENSOR

MECHANICAL DRAWING LIST	
DWG. NO.	DRAWING TITLE
M-001	MECHANICAL LEGEND AND DRAWING LIST, SITE PLAN
M-002	MECHANICAL SPECIFICATIONS
DM-100	BELOW GRADE PLUMBING - DEMOLITION PLAN
DM-101	GROUND FLOOR PLUMBING - DEMOLITION PLAN
DM-201	GROUND FLOOR FIRE PROTECTION - DEMOLITION PLAN
DM-301	GROUND FLOOR HVAC - DEMOLITION PLAN
M-100	BELOW GRADE PLUMBING - NEW PLAN
M-101	GROUND FLOOR PLUMBING - NEW PLAN
M-201	GROUND FLOOR FIRE PROTECTION - NEW PLAN
M-301	GROUND FLOOR HVAC - NEW PLAN
M-400	ROOF - NEW PLAN
M-500	MECHANICAL DETAILS
M-501	MECHANICAL DETAILS
M-600	MECHANICAL SCHEDULES



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DESIGN BY:	HA	
DRAWN BY:	HA	
CHECKED BY:	MS	
APPROVED BY:	MS	
SCALE:		
DATE:	JUNE 2025	
CONSULTANT PROJECT NO.	2025-0012	
ISSUE DATE:		
5	2025-09-18	IFT
4	2025-07-14	ISSUED FOR PERMIT
3	2025-06-27	ISSUED FOR PERMIT REVIEW
2	2025-06-11	ISSUED FOR REVIEW
1	2025-06-09	ISSUED FOR COORDINATION
NO.	DATE	DESCRIPTION

SEAL:



LICENSED PROFESSIONAL ENGINEER
11/09/2025
L. TURRIN
100215842
PROVINCE OF ONTARIO



DURHAM
REGION

THE REGIONAL
MUNICIPALITY OF
DURHAM

WORKS DEPARTMENT
DESIGN, CONSTRUCTION &
ASSET MANAGEMENT

PROJECT:

PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

SHEET TITLE:

MECHANICAL LEGEND, AND
DRAWING LIST

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SYMBOL	ITEM	PIPE CONNECTION			
		C.W.	H.W.	DRAIN	VENT
WC	WATER CLOSET (FLUSH TANK)	1/2"Ø	-	3"Ø	1-1/2"Ø
WC	WATER CLOSET (FLUSH VALVE)	1"Ø	-	3"Ø	1-1/2"Ø
U	URINAL	3/4"Ø	-	1-1/2"Ø	1-1/4"Ø
SH	SHOWER	1/2"Ø	1/2"Ø	1-1/2"Ø	1-1/4"Ø
LAV	LAVATORY	1/2"Ø	1/2"Ø	1-1/4"Ø	1-1/4"Ø
KS	KITCHEN SINK	1/2"Ø	1/2"Ø	1-1/2"Ø	1-1/4"Ø
MS	MOP SINK	1/2"Ø	1/2"Ø	3"Ø	1-1/2"Ø
DF	DRINKING FOUNTAIN	1/2"Ø	-	1-1/4"Ø	1-1/4"Ø
CW	CLOTHES WASHER	1/2"Ø	1/2"Ø	1-1/2"Ø	2"Ø
DW	DISHWASHER (ROUGH-IN ONLY)	-	1/2"Ø	1-1/2"Ø	1-1/4"Ø
HB	HOSE BIBB	1/2"Ø	-	-	-
NFHB	NON-FREEZE HOSE BIBB	3/4"Ø	-	-	-
EW	EYE WASH	3/4"Ø	3/4"Ø	1-1/4"Ø	1-1/4"Ø
FD	FLOOR DRAIN	PRIMED	-	2"Ø/3"Ø	1-1/2"Ø
NOTES: - ALL SANITARY VENTING TO BE INSTALLED IN ACCORDANCE WITH LATEST EDITION OF THE OBC; - ALL FLOOR DRAINS & HUB DRAINS SHALL BE TRAPPED, VENTED AND PRIMED BELOW FLOOR.					

PLUMBING FIXTURE SCHEDULE

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PROJECT:

PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

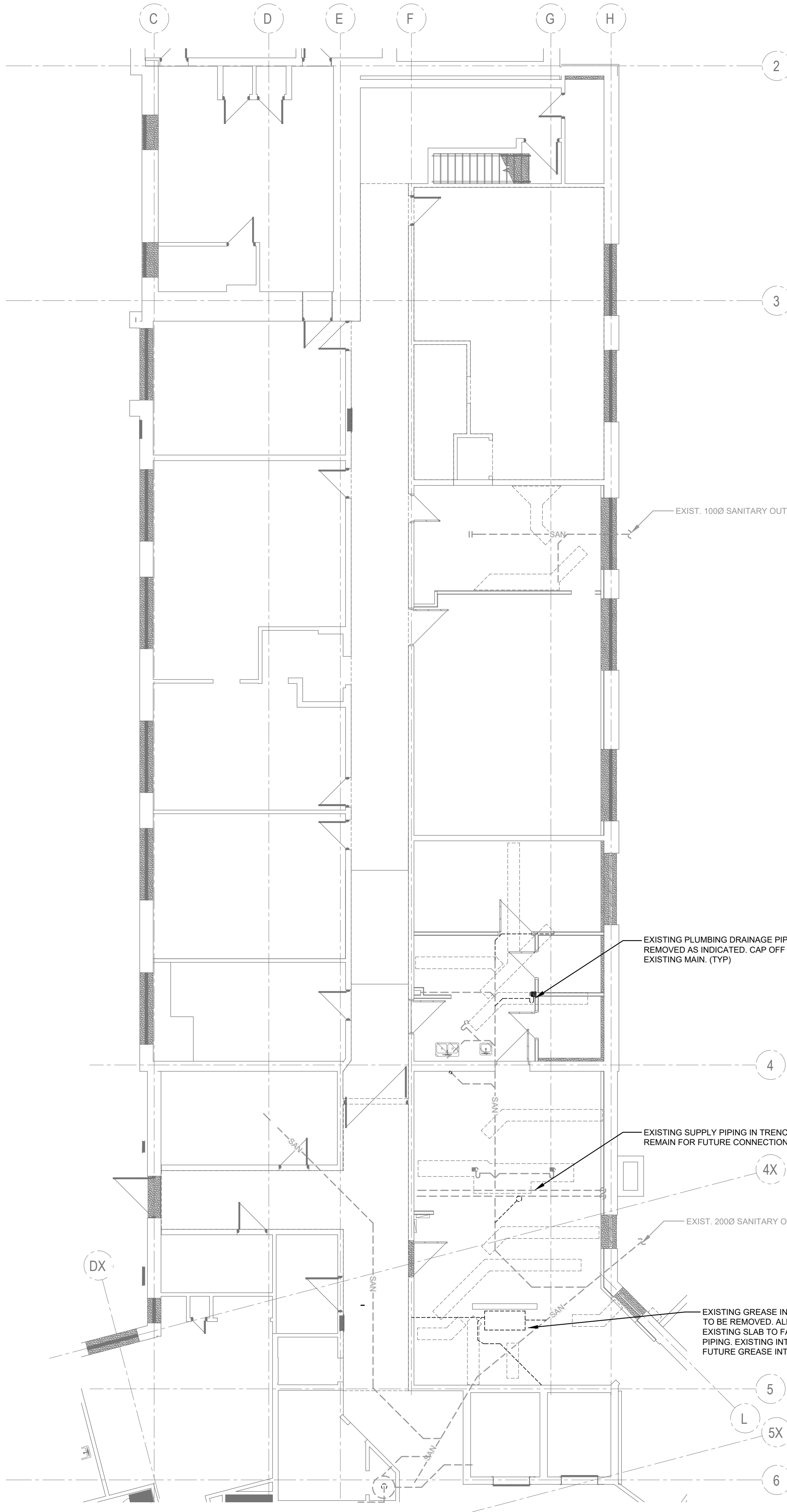
SHEET TITLE:

MECHANICAL
SPECIFICATIONS

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.

M002



GENERAL NOTES:

- DO NOT SCALE DRAWINGS. LOCATIONS OF ITEMS ARE APPROXIMATE AND ARE INTENDED TO BE USED FOR COORDINATION. EXACT LOCATIONS ARE DEPENDANT UPON SITE CONDITIONS. REVIEW ANY REVISIONS WITH CONSULTANT.
- ALL SANITARY VENTING SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE.
- PROVIDE WATER HAMMER ARRESTORS IN ACCORDANCE WITH PLUMBING AND DRAINAGE INSTITUTE STANDARD PDI-WH201 AND MANUFACTURER'S INSTRUCTIONS. WATER HAMMER ARRESTORS SHALL BE STAINLESS STEEL CONSTRUCTION WITH NESTING BELLOWS PRECHARGED WITH AIR - WADE 'SHOCKSTOP' OR EQUAL.
- PROVIDE TRAP SEAL PRIMERS FOR ALL TRAPS OF FLOOR DRAINS
- CONTRACTOR TO CONFIRM LOCATION AND CLEARANCE OF BELOW GRADE PIPING IN CEILING SPACE OF FLOOR BELOW. CONTRACTOR SHALL INFORM CONSULTANT OF POSSIBLE INTERFERENCE.
- REMOVAL AND REPLACEMENT OF THE CEILING TILES NOT BY DIVISION 22.

DESIGN BY:	HA
DRAWN BY:	HA
CHECKED BY:	MS
APPROVED BY:	MS
SCALE:	
DATE:	JUNE 2025
CONSULTANT PROJECT NO.	2025-0012

ISSUE DATE:		
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DESIGN, CONSTRUCTION &
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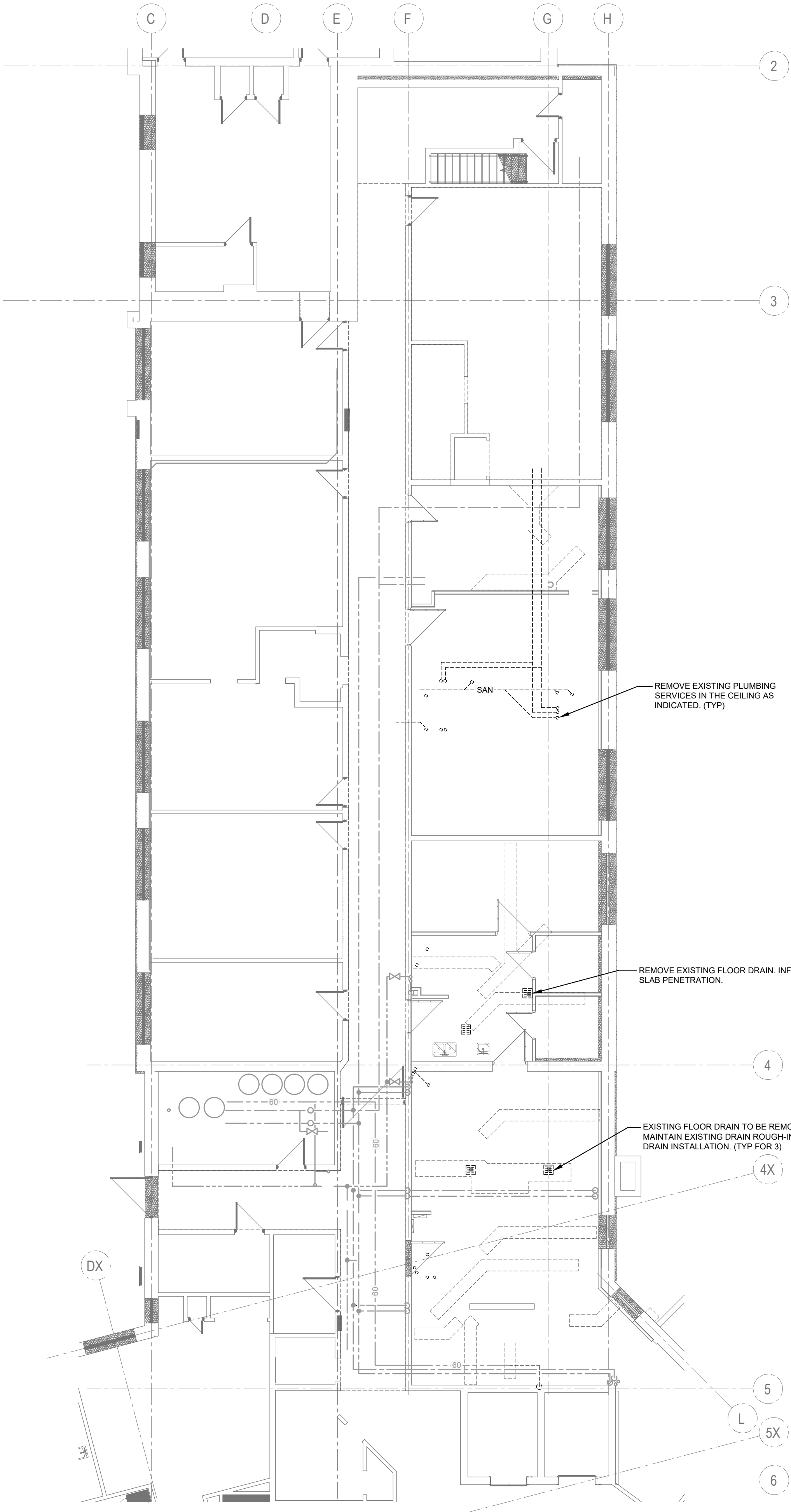
PROJECT:
PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

SHEET TITLE:
BELOW GRADE - PLUMBING
DEMOLITION PLAN

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.
DM100



GENERAL NOTES:

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- ALL SANITARY VENTING SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE.
- PROVIDE WATER HAMMER ARRESTORS IN ACCORDANCE WITH PLUMBING AND DRAINAGE INSTITUTE STANDARD PDI-WH201 AND MANUFACTURER'S INSTRUCTIONS. WATER HAMMER ARRESTORS SHALL BE STAINLESS STEEL CONSTRUCTION WITH NESTING BELLOWS PRECHARGED WITH AIR - WADE 'SHOCKSTOP' OR EQUAL.
- PROVIDE TRAP SEAL PRIMERS FOR ALL TRAPS OF FLOOR DRAINS
- CONTRACTOR TO CONFIRM LOCATION AND CLEARANCE OF BELOW GRADE PIPING IN CEILING SPACE OF FLOOR BELOW. CONTRACTOR SHALL INFORM CONSULTANT OF POSSIBLE INTERFERENCE.
- REMOVAL AND REPLACEMENT OF THE CEILING TILES NOT BY DIVISION 22.

REMOVE EXISTING PLUMBING SERVICES IN THE CEILING AS INDICATED. (TYP)

REMOVE EXISTING FLOOR DRAIN. INFILL EXISTING SLAB PENETRATION.

EXISTING FLOOR DRAIN TO BE REMOVED. MAINTAIN EXISTING DRAIN ROUGH-IN FOR NEW DRAIN INSTALLATION. (TYP FOR 3)

DESIGN BY:	HA
DRAWN BY:	HA
CHECKED BY:	MS
APPROVED BY:	MS
SCALE:	
DATE:	JUNE 2025
CONSULTANT PROJECT NO.	2025-0012

ISSUE DATE:		
5	2025-09-18	IFT
4	2025-07-14	ISSUED FOR PERMIT
3	2025-06-27	ISSUED FOR PERMIT REVIEW
2	2025-06-11	ISSUED FOR REVIEW
1	2025-06-09	ISSUED FOR COORDINATION
NO.	DATE	DESCRIPTION

SEAL:





THE REGIONAL
MUNICIPALITY OF
DURHAM

WORKS DEPARTMENT
DESIGN, CONSTRUCTION &
ASSET MANAGEMENT

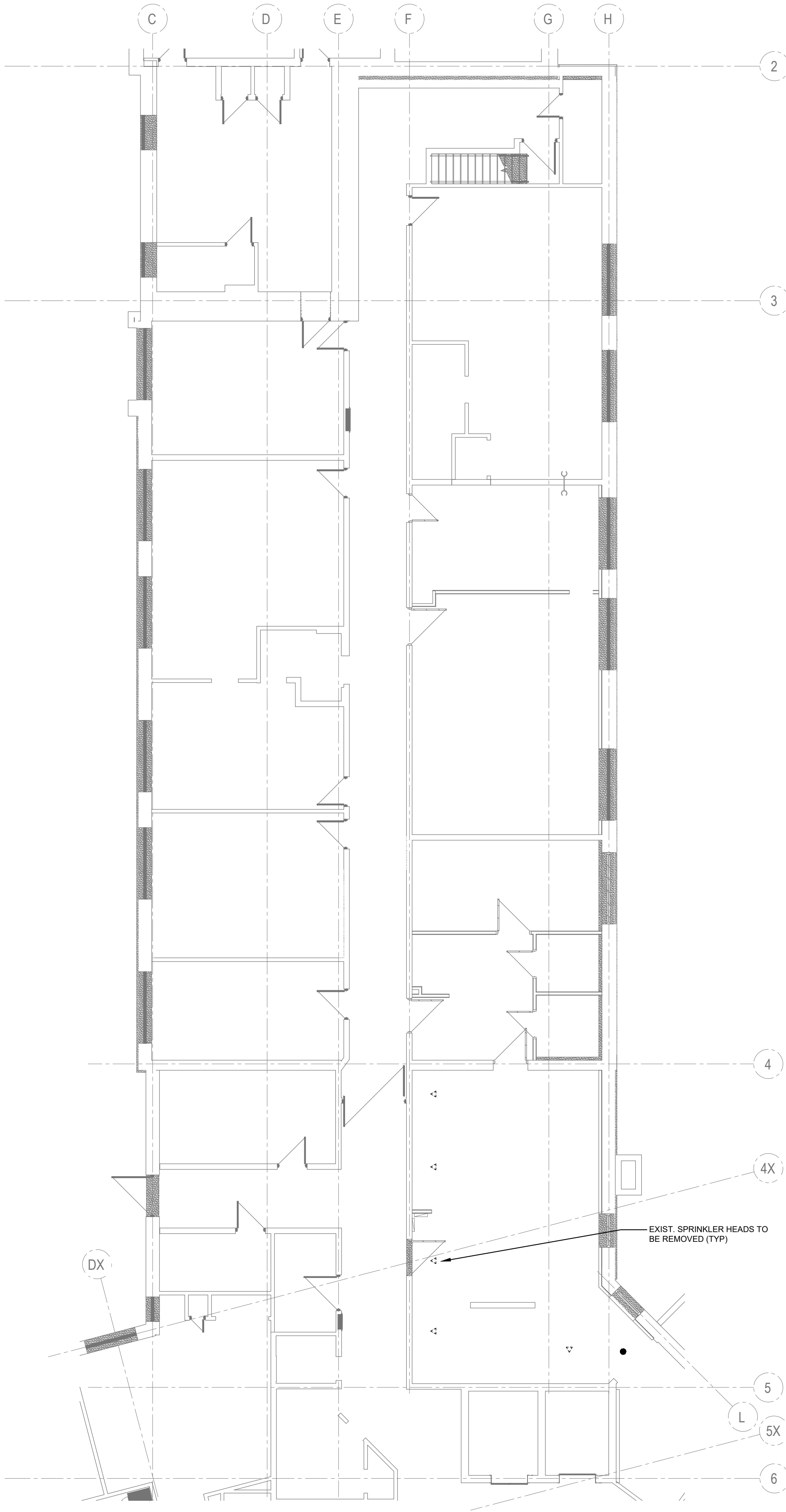
PROJECT:
PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

SHEET TITLE:
FIRST FLOOR - PLUMBING
DEMOLITION PLAN

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.
DM101



GENERAL NOTES:

- DO NOT SCALE DRAWINGS. LOCATIONS OF ITEMS ARE APPROXIMATE AND ARE INTENDED TO BE USED FOR COORDINATION. EXACT LOCATIONS ARE DEPENDANT UPON SITE CONDITIONS. REVIEW ANY REVISIONS WITH CONSULTANT.
- HEAD LOCATION, HEAD QUANTITY, AND LAYOUT OF SPRINKLER SYSTEM ON DRAWINGS ARE TO ASSIST WITH TENDER PRICING ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ADEQUATE HEAD COVERAGE, HEAD QUANTITIES, PIPE SIZING, ZONING, AND VALVING FOR THE EXISTING SYSTEM AS PER NFPA 13 HAZARD OCCUPANCIES, OWNERS' INSURERS' STANDARDS, AND AUTHORITIES HAVING JURISDICTION. INSTALL ADDITIONAL HEADS, VALVES, AND RESIZE PIPING AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- SIZE REDUCTION OF SPRINKLER MAIN SHALL NOT BE ACCEPTED UNLESS APPROVED BY THE CONSULTANT. RE-ROUTING OF SPRINKLER MAIN SHALL BE APPROVED IN ADVANCE BY THE CONSULTANT.
- REMOVAL AND REPLACEMENT OF THE CEILING TILES NOT BY DIVISION 21.

PRIME CONSULTANT



310 Spadina Ave, Suite 100B
Toronto, Ontario, Canada M5T 2E9
T: 416 203 7600 F: 416 203 3342
lga-ap.com

DESIGN BY:	HA
DRAWN BY:	HA
CHECKED BY:	MS
APPROVED BY:	MS
SCALE:	1:100
DATE:	JUNE 2025
CONSULTANT PROJECT NO.	2025-0012

ISSUE DATE:

NO.	DATE	DESCRIPTION
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SEAL:



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WORKS DEPARTMENT
DESIGN, CONSTRUCTION &
ASSET MANAGEMENT

PROJECT:

PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

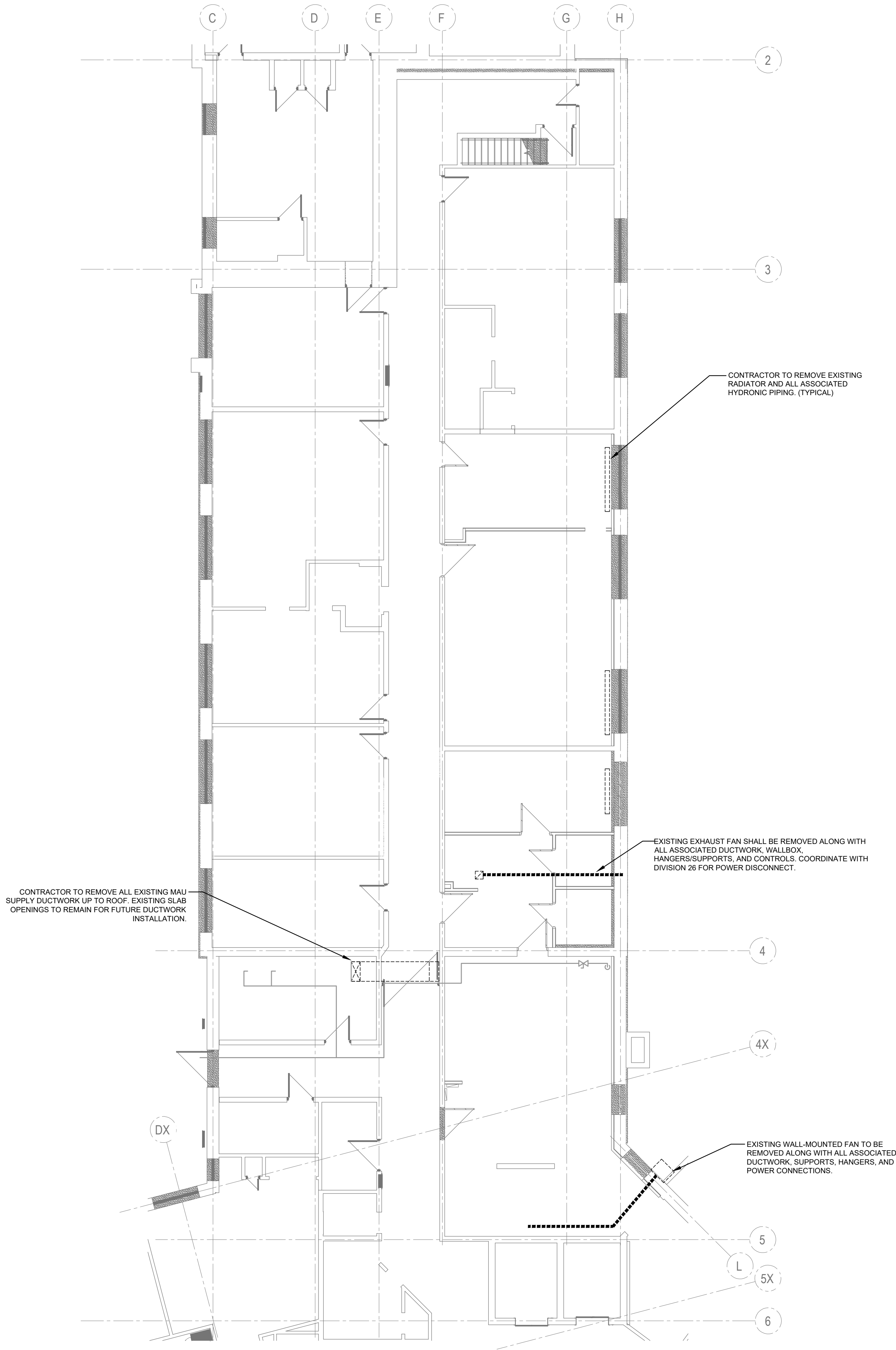
SHEET TITLE:

DEMOLITION PLAN - FIRST
FLOOR - FIRE PROTECTION

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.

DM201



DESIGN BY:	HA
DRAWN BY:	HA
CHECKED BY:	MS
APPROVED BY:	MS
SCALE:	
DATE:	JUNE 2025
CONSULTANT PROJECT NO.	2025-0012

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NO.	DATE	DESCRIPTION

SEAL:

11/09/2025

L. TURPIN

100215842

PROVINCE OF ONTARIO



THE REGIONAL
MUNICIPALITY OF
DURHAM

WORKS DEPARTMENT
DESIGN, CONSTRUCTION &
ASSET MANAGEMENT

PROJECT:

PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

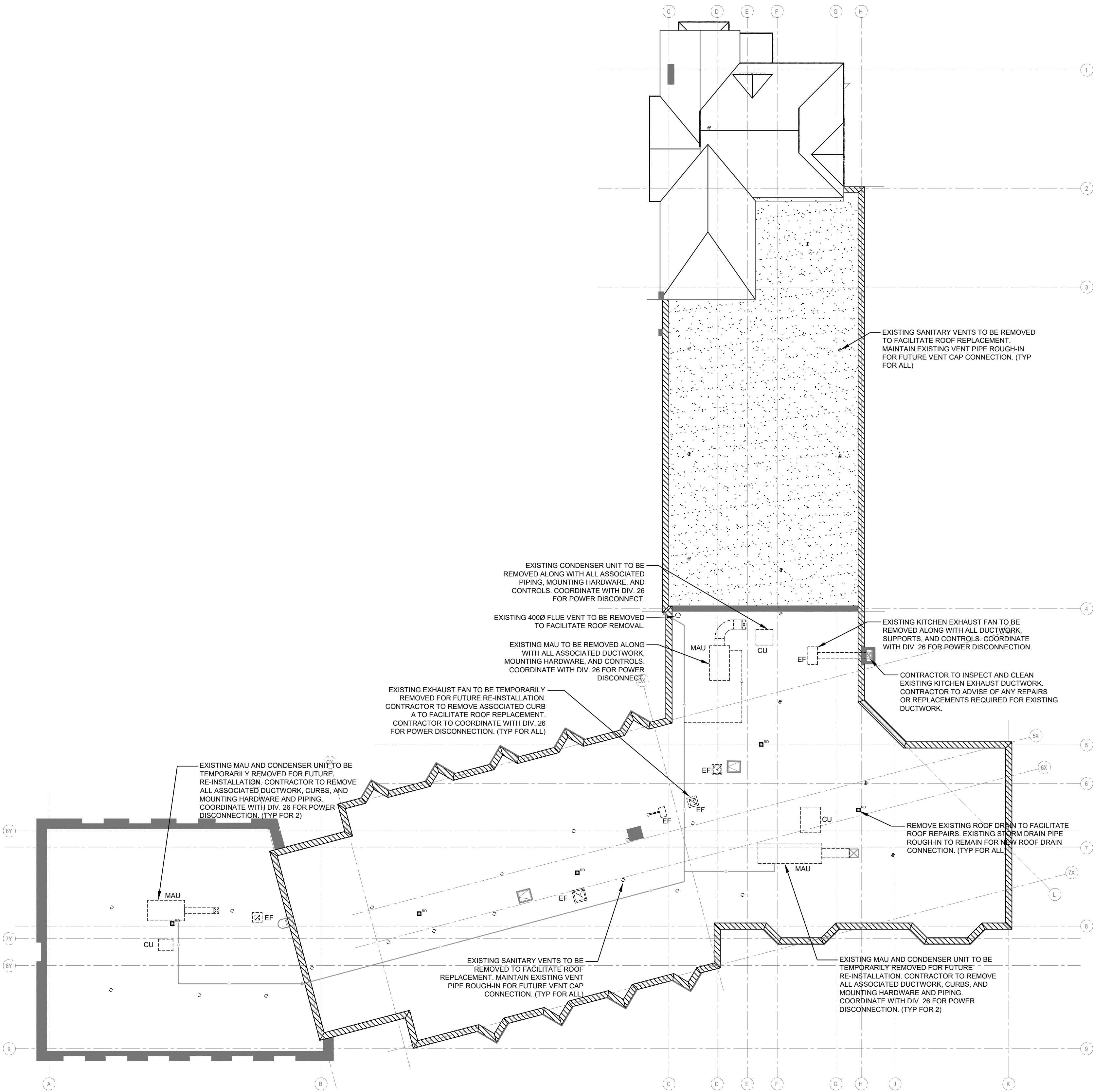
SHEET TITLE:

DEMOLITION PLAN - FIRST
FLOOR - HVAC

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.

DM301



DESIGN BY:	HA
DRAWN BY:	HA
CHECKED BY:	MS
APPROVED BY:	MS
SCALE:	
DATE:	JUNE 2025
CONSULTANT PROJECT NO.	2025-0012

ISSUE DATE:		
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SEAL:





THE REGIONAL
MUNICIPALITY OF
DURHAM

WORKS DEPARTMENT
DESIGN, CONSTRUCTION &
ASSET MANAGEMENT

PROJECT:
PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

SHEET TITLE:
ROOF - DEMOLITION PLAN

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.
DM400



LGA architectural
partners

310 Spadina Ave, Suite 100B
Toronto, Ontario, Canada M5T 2E8
T: 416 203 7600 F: 416 203 3342
lga-ap.com

DESIGN BY:	HA
DRAWN BY:	HA
CHECKED BY:	MS
APPROVED BY:	MS
SCALE:	1:100
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L. TURRIN
100215842
11/09/2025
PROVINCE OF ONTARIO
LICENSED PROFESSIONAL ENGINEER



**WORKS DEPARTMENT
DESIGN, CONSTRUCTION &
ASSET MANAGEMENT**

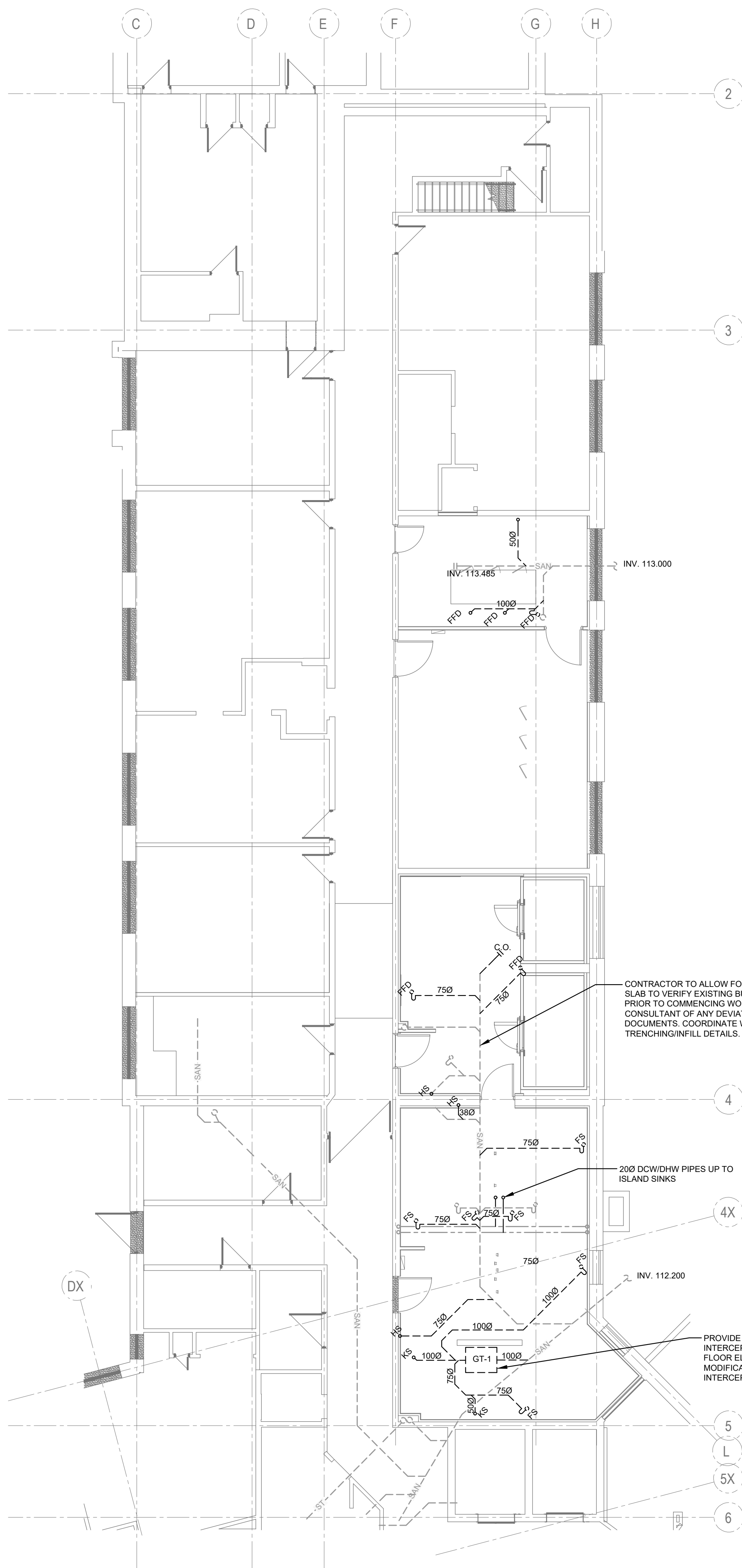
PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

BELOW GRADE - NEW
DRAINAGE PLAN

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

M100

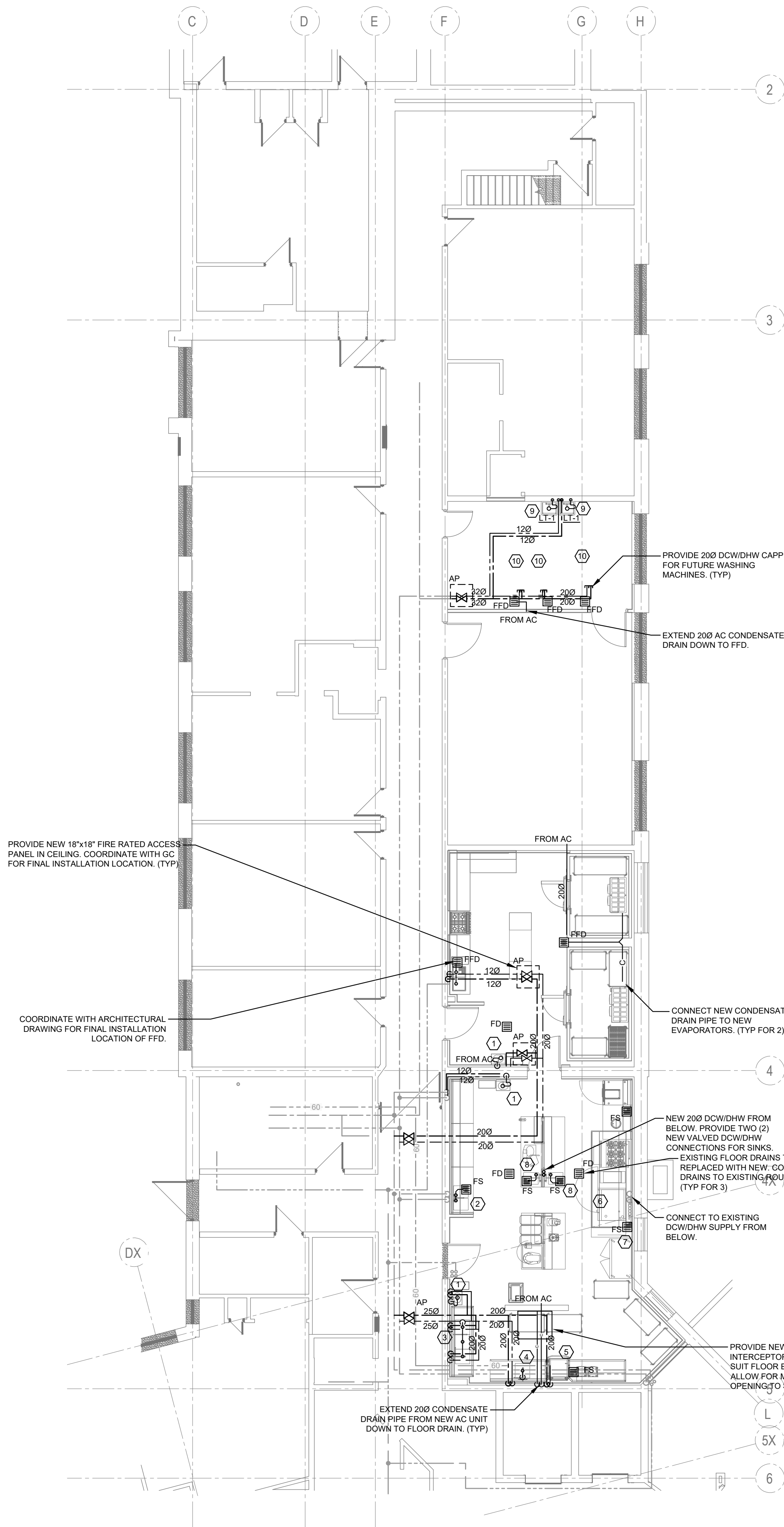


- DO NOT SCALE DRAWINGS. LOCATIONS OF ITEMS ARE APPROXIMATE AND ARE INTENDED TO BE USED FOR COORDINATION. EXACT LOCATIONS ARE DEPENDANT UPON SITE CONDITIONS. REVIEW ANY REVISIONS WITH CONSULTANT.
- ALL SANITARY VENTING SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE.
- PROVIDE WATER HAMMER ARRESTORS IN ACCORDANCE WITH PLUMBING AND DRAINAGE INSTITUTE STANDARD PDI-WH201 AND MANUFACTURER'S INSTRUCTIONS. WATER HAMMER ARRESTORS SHALL BE STAINLESS STEEL CONSTRUCTION WITH NESTING BELLOWS PRECHARGED WITH AIR - WADE 'SHOCKSTOP' OR EQUAL.
- PROVIDE TRAP SEAL PRIMERS FOR ALL TRAPS OF FLOOR DRAINS
- CONTRACTOR TO CONFIRM LOCATION AND CLEARANCE OF LOW GRADE PIPING IN CEILING SPACE OF FLOOR BELOW. CONTRACTOR SHALL INFORM CONSULTANT OF POSSIBLE INTERFERENCE.
- REMOVAL AND REPLACEMENT OF THE CEILING TILES NOT BY DIVISION 22.

— CONTRACTOR TO ALLOW FOR X-RAYING/SCANNING OF EXISTING SLAB TO VERIFY EXISTING BURIED PIPE LOCATIONS AND INVERTS PRIOR TO COMMENCING WORK. CONTRACTOR SHALL ADVISE CONSULTANT OF ANY DEVIATIONS FROM ORIGINAL CONTRACT DOCUMENTS. COORDINATE WITH STRUCTURAL DRAWINGS FOR TRENCHING/INFILL DETAILS. (TYP)

200 DCW/DHW PIPES UP TO
ISLAND SINKS

PROVIDE NEW GREASE INTERCEPTOR. GREASE INTERCEPTOR TO COME WITH EXTENSION TO SUIT FLOOR ELEVATION AND PIPE INVERT. ALLOW FOR MODIFICATION OF EXISTING SLAB OPENING TO SUIT NEW INTERCEPTOR.



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- PROVIDE TRAP SEAL PRIMERS FOR ALL TRAPS OF FLOOR DRAINS
- CONTRACTOR TO CONFIRM LOCATION AND CLEARANCE OF BELOW GRADE PIPING IN CEILING SPACE OF FLOOR BELOW. CONTRACTOR SHALL INFORM CONSULTANT OF POSSIBLE INTERFERENCE.
- REMOVAL AND REPLACEMENT OF THE CEILING TILES NOT BY DIVISION 22.

PLUMBING FIXTURES AND DRAINS												
SYMBOL	FIXTURES	BRASS					PIPE CONN.				REMARKS	
	SPECIFICATION	TRIM	SUPPLY PIPES STOPS ETC.	WASTE STRAINER OVERFLOW	TRAP	SUP.	C.W.	H.W.	DR.	VENT		
1.	HAND SINK	N	Y	N	Y	N	12	12	40	32		
2.	S.S. TABLE W/ TWO SINKS	N	Y	N	N	N	12	12	40	-	INDIRECT DRAIN TO FS	
3.	S.S. DISHTABLE W/ THREE SINKS	N	Y	N	N	N	20	20	75	32	DIRECT DRAIN TO GT. PROVIDE SECOND PAIR OF 200 DCWIDHW PIPE CONNECTIONS.	
4.	S.S. SOILED DISHTABLE SINK	N	Y	N	N	N	20	20	50	32	DRAIN TO GT.	
5.	DISHWASHER	N	Y	N	N	N	20	20	40	-	PROVIDE ROUGH-IN FOR WATER SOFTNER. DRAIN TO GT VIA FS. UNIT SHALL COME WITH DWT KIT.	
6.	COMBO-OVEN	N	Y	N	N	N	20	-	75	-	DRAIN TO GT VIA FS. UNIT SHALL COME WITH DWT KIT.	
7.	WATER FILTER	N	Y	N	N	N	20	-	-	-		
8.	S.S. TABLE W/ SINK	N	Y	N	N	N	12	12	40	-	DRAIN TO FS.	
9.	LAUNDRY SINK (LT-1)	Y	Y	Y	Y	Y	12	12	40	32		
10.	WASHING MACHINE	N	Y	N	N	N	20	20	75	-	DRAIN TO FFD	
NOTE: REFER TO KITCHEN CONSULTANT DRAWINGS FOR ADDITIONAL FIXTURE DETAILS AND ROUGH-IN LOCATIONS.												

DESIGN BY:	HA
DRAWN BY:	HA
CHECKED BY:	MS
APPROVED BY:	MS
SCALE:	1:100
DATE:	JUNE 2025
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ISSUE DATE:		
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THE REGIONAL MUNICIPALITY OF DURHAM
WORKS DEPARTMENT
DESIGN, CONSTRUCTION & ASSET MANAGEMENT

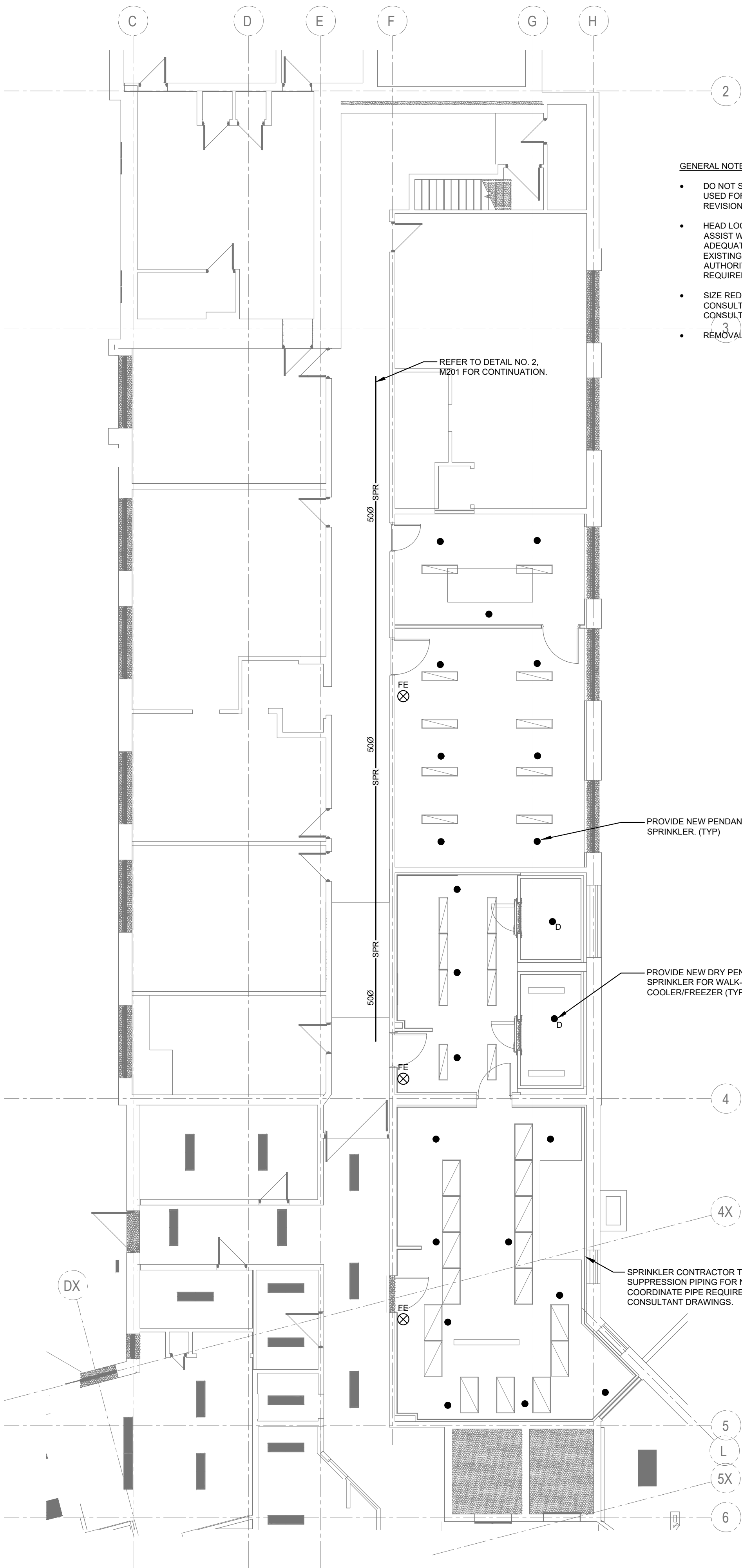
PROJECT:
PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

SHEET TITLE:
FIRST FLOOR - NEW PLUMBING PLAN

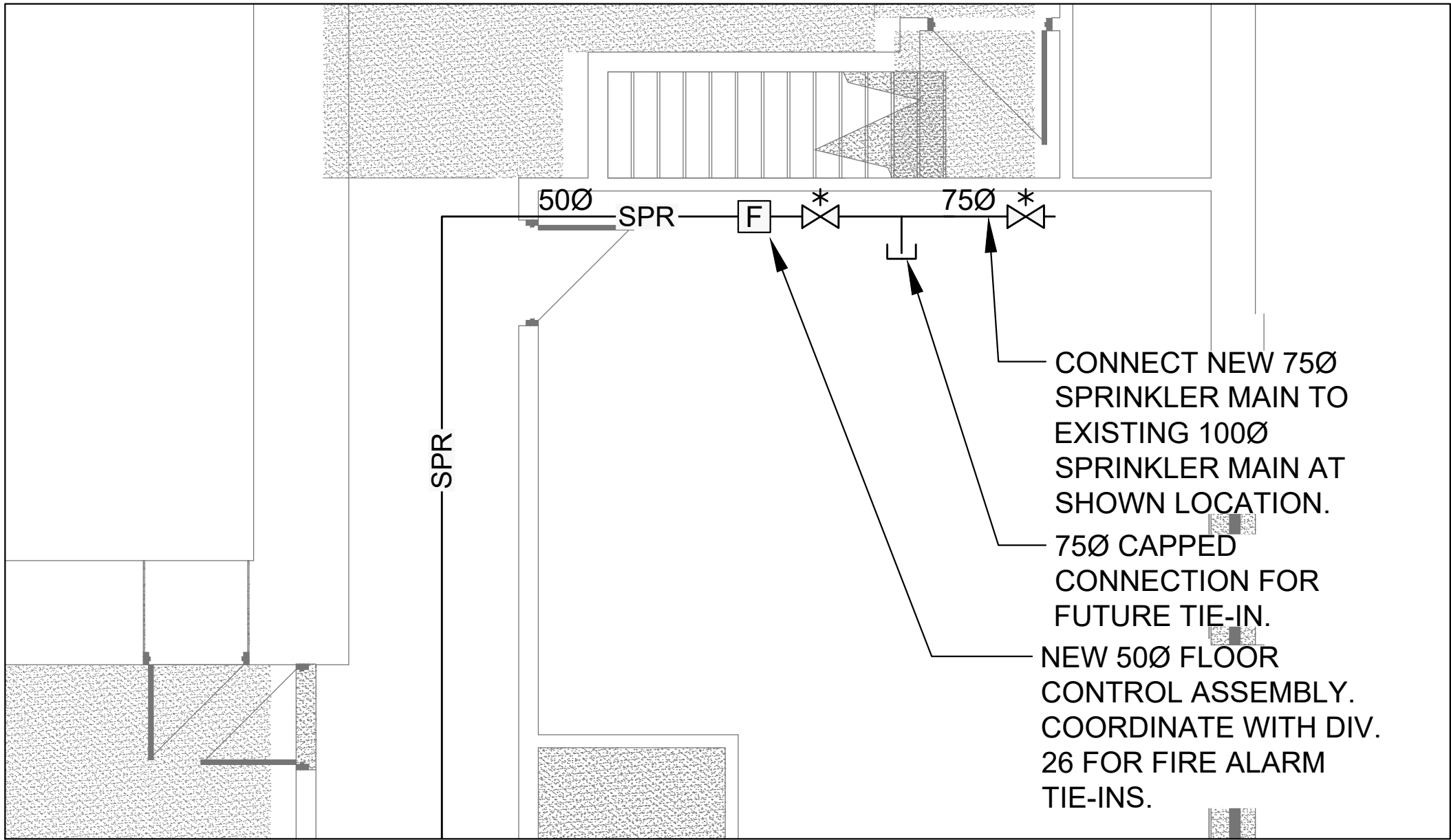
PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.
M101



GENERAL NOTES:

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- HEAD LOCATION, HEAD QUANTITY, AND LAYOUT OF SPRINKLER SYSTEM ON DRAWINGS ARE TO ASSIST WITH TENDER PRICING ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ADEQUATE HEAD COVERAGE, HEAD QUANTITIES, PIPE SIZING, ZONING, AND VALVING FOR THE EXISTING SYSTEM AS PER NFPA 13 HAZARD OCCUPANCIES, OWNER'S INSURERS' STANDARDS, AND AUTHORITIES HAVING JURISDICTION. INSTALL ADDITIONAL HEADS, VALVES, AND RESIZE PIPING AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- SIZE REDUCTION OF SPRINKLER MAIN SHALL NOT BE ACCEPTED UNLESS APPROVED BY THE CONSULTANT. RE-ROUTING OF SPRINKLER MAIN SHALL BE APPROVED IN ADVANCE BY THE CONSULTANT.
- REMOVAL AND REPLACEMENT OF THE CEILING TILES NOT BY DIVISION 21.



2 NEW SPRINKLER ZONE INSTALLATION
M201 SCALE: 1:50

PRIME CONSULTANT



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Toronto, Ontario, Canada M5T 2E9
T: 416 203 7600 F: 416 203 3342
lga-ap.com

DESIGN BY:	HA
DRAWN BY:	HA
CHECKED BY:	MS
APPROVED BY:	MS
SCALE:	1:100
DATE:	JUNE 2025
CONSULTANT PROJECT NO.	2025-0012

ISSUE DATE:

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SEAL:



THE REGIONAL
MUNICIPALITY OF
DURHAM

WORKS DEPARTMENT
DESIGN, CONSTRUCTION &
ASSET MANAGEMENT

PROJECT:

PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

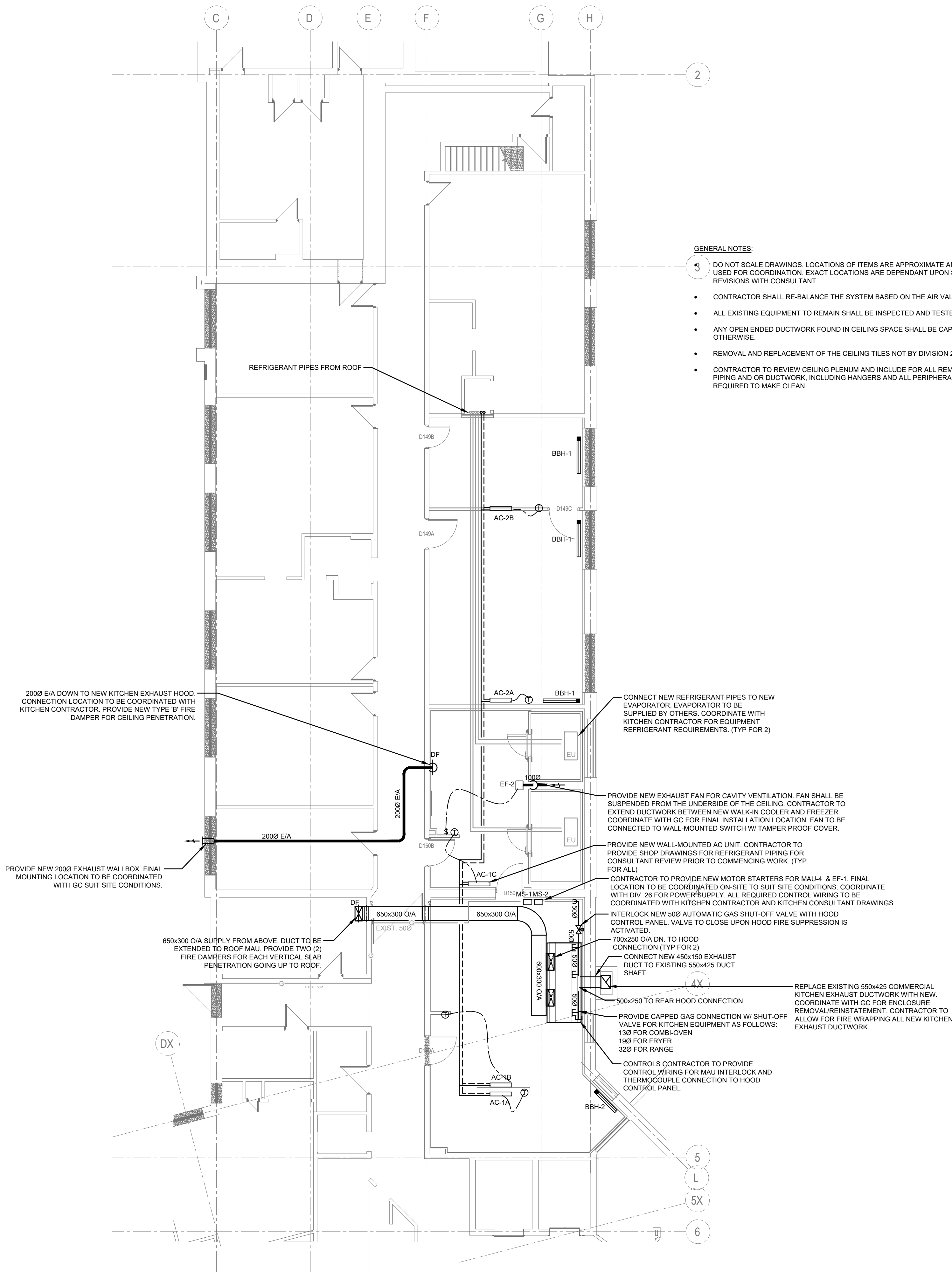
SHEET TITLE:

FIRST FLOOR - FIRE
PROTECTION NEW

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

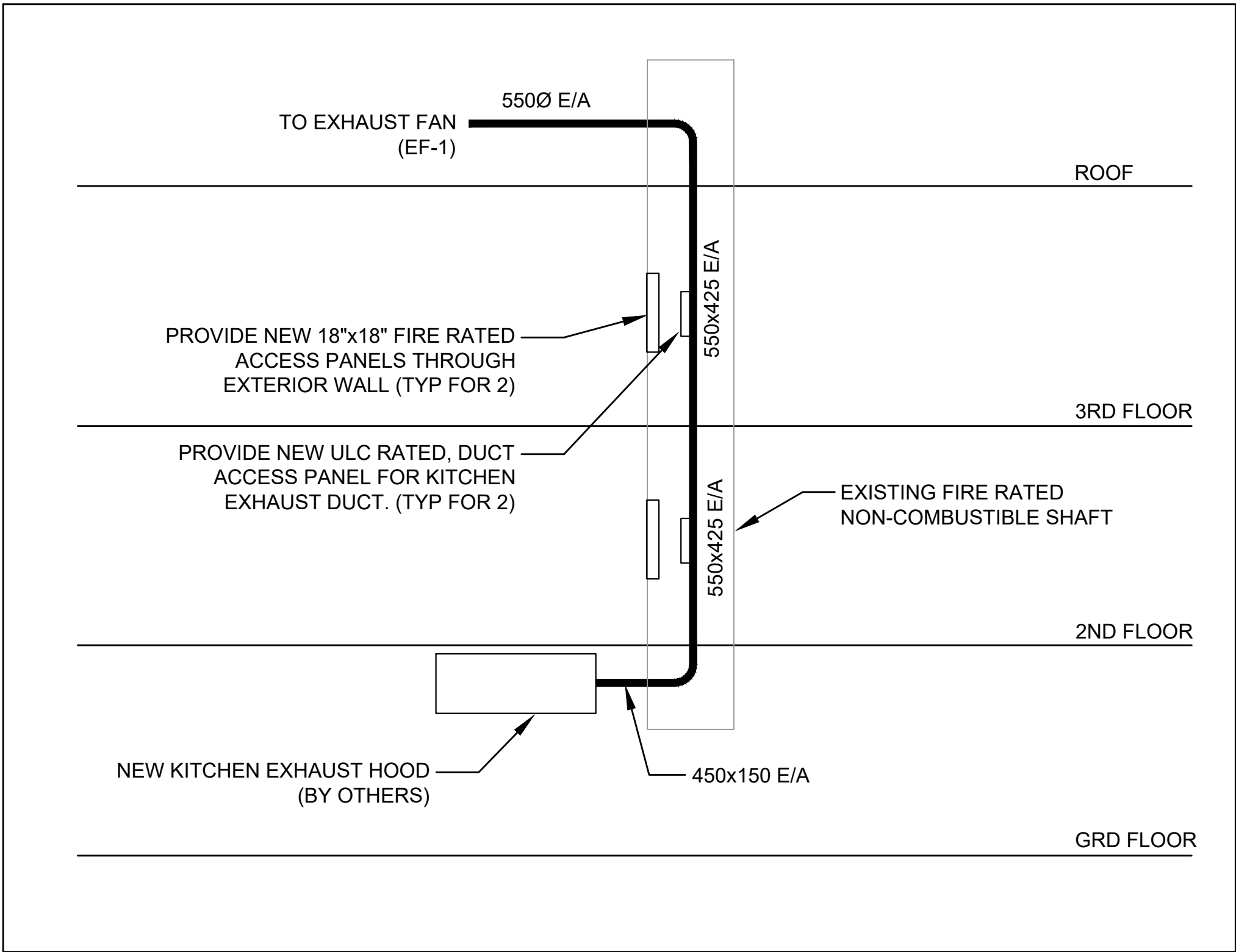
SHEET NO.

M201



GENERAL NOTES:

- 5 DO NOT SCALE DRAWINGS. LOCATIONS OF ITEMS ARE APPROXIMATE AND ARE INTENDED TO BE USED FOR COORDINATION. EXACT LOCATIONS ARE DEPENDANT UPON SITE CONDITIONS. REVIEW ANY REVISIONS WITH CONSULTANT.
- CONTRACTOR SHALL RE-BALANCE THE SYSTEM BASED ON THE AIR VALUES AS SHOWN.
 - ALL EXISTING EQUIPMENT TO REMAIN SHALL BE INSPECTED AND TESTED FOR PROPER OPERATION.
 - ANY OPEN ENDED DUCTWORK FOUND IN CEILING SPACE SHALL BE CAPPED UNLESS NOTED OTHERWISE.
 - REMOVAL AND REPLACEMENT OF THE CEILING TILES NOT BY DIVISION 23.
 - CONTRACTOR TO REVIEW CEILING PLENUM AND INCLUDE FOR ALL REMOVAL OF EXISTING ABANDONED PIPING AND OR DUCTWORK, INCLUDING HANGERS AND ALL PERIPHERALS NOT SHOWN ON PLANS AS REQUIRED TO MAKE CLEAN.



1 COMMERCIAL KITCHEN EXHAUST DUCTWORK SCHEMATIC
SCALE: N.T.S.

DESIGN BY:	HA
DRAWN BY:	HA
CHECKED BY:	MS
APPROVED BY:	MS
SCALE:	1:100
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PROJECT:
PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

SHEET TITLE:
FIRST FLOOR - HVAC NEW

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

DESIGN BY:	HA
DRAWN BY:	HA
CHECKED BY:	MS
APPROVED BY:	MS
SCALE:	1:200
DATE:	JUNE 2025
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11/09/2025

L. TURPIN

100215842

PROVINCE OF ONTARIO



THE REGIONAL
MUNICIPALITY OF
DURHAM

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DESIGN, CONSTRUCTION &
ASSET MANAGEMENT

PROJECT:

PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

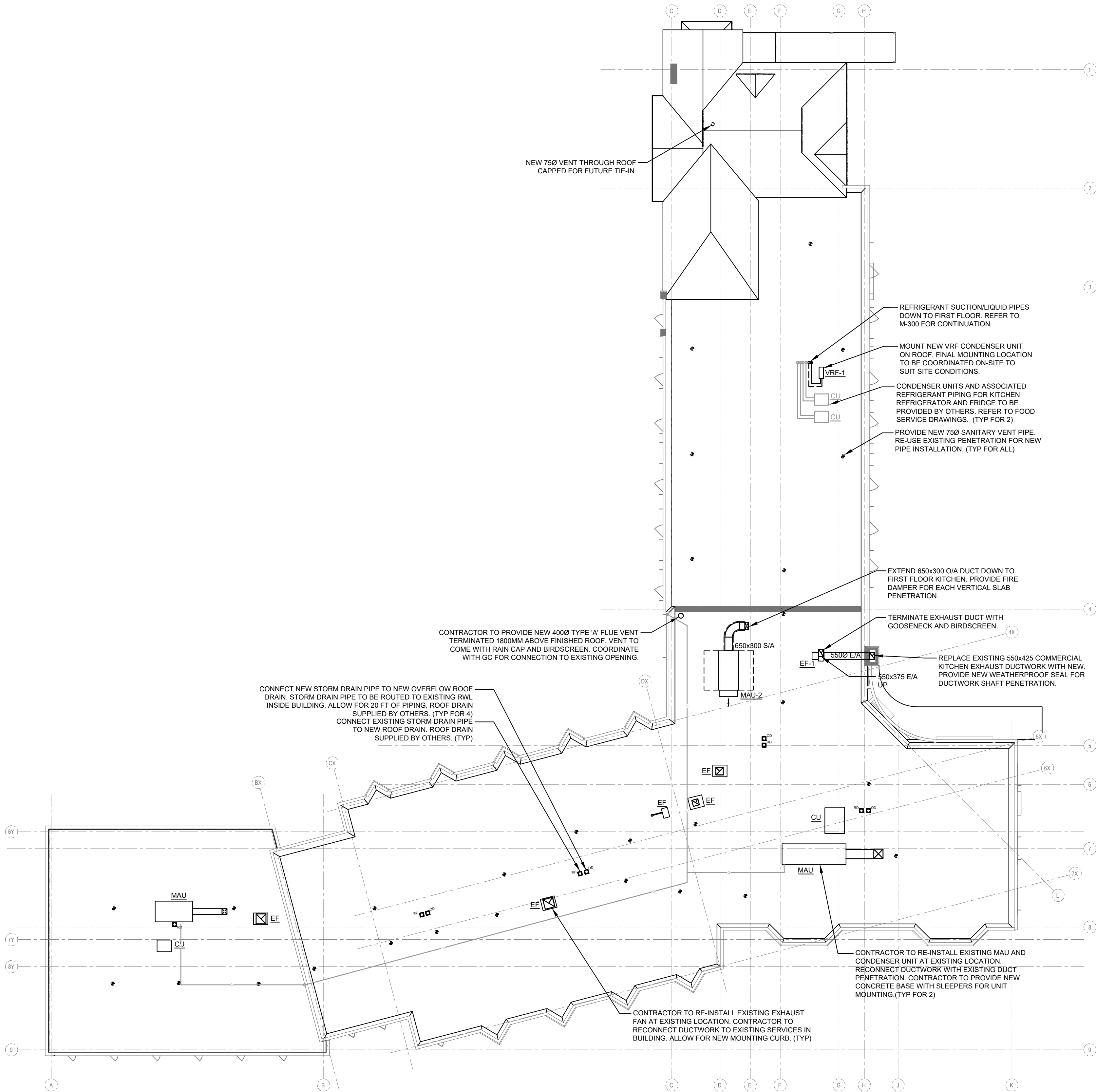
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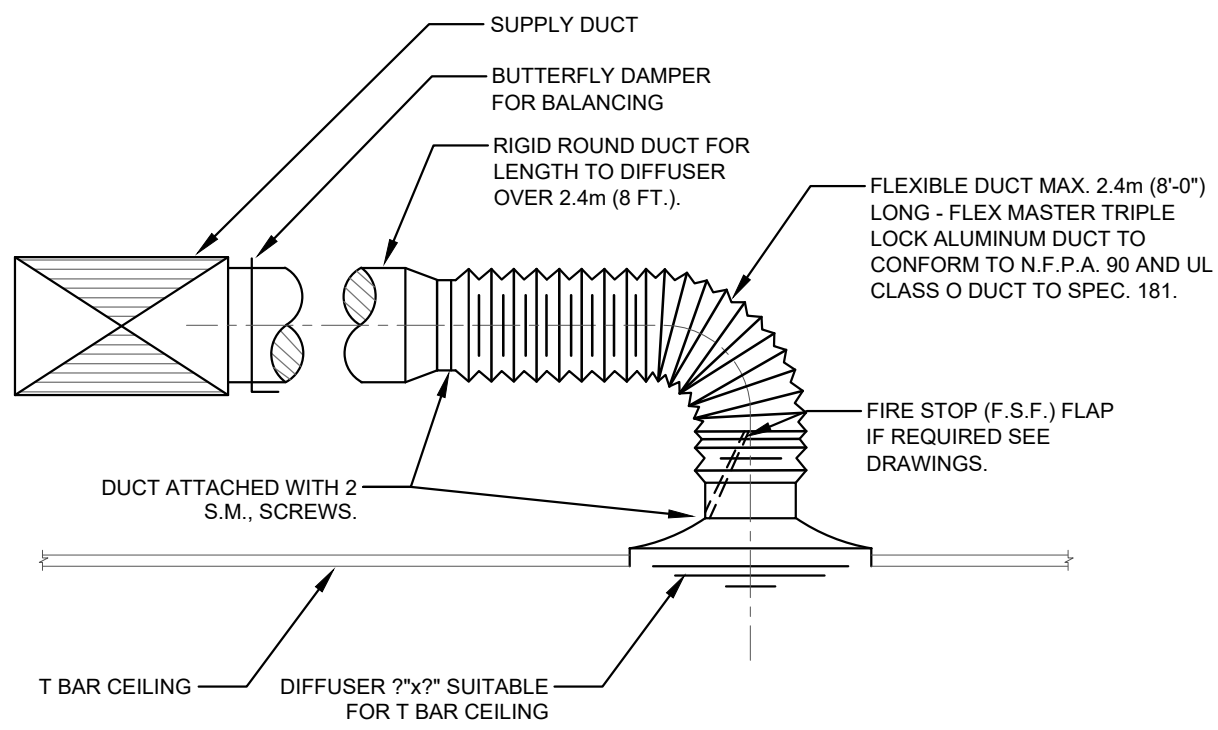
ROOF - NEW PLAN

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

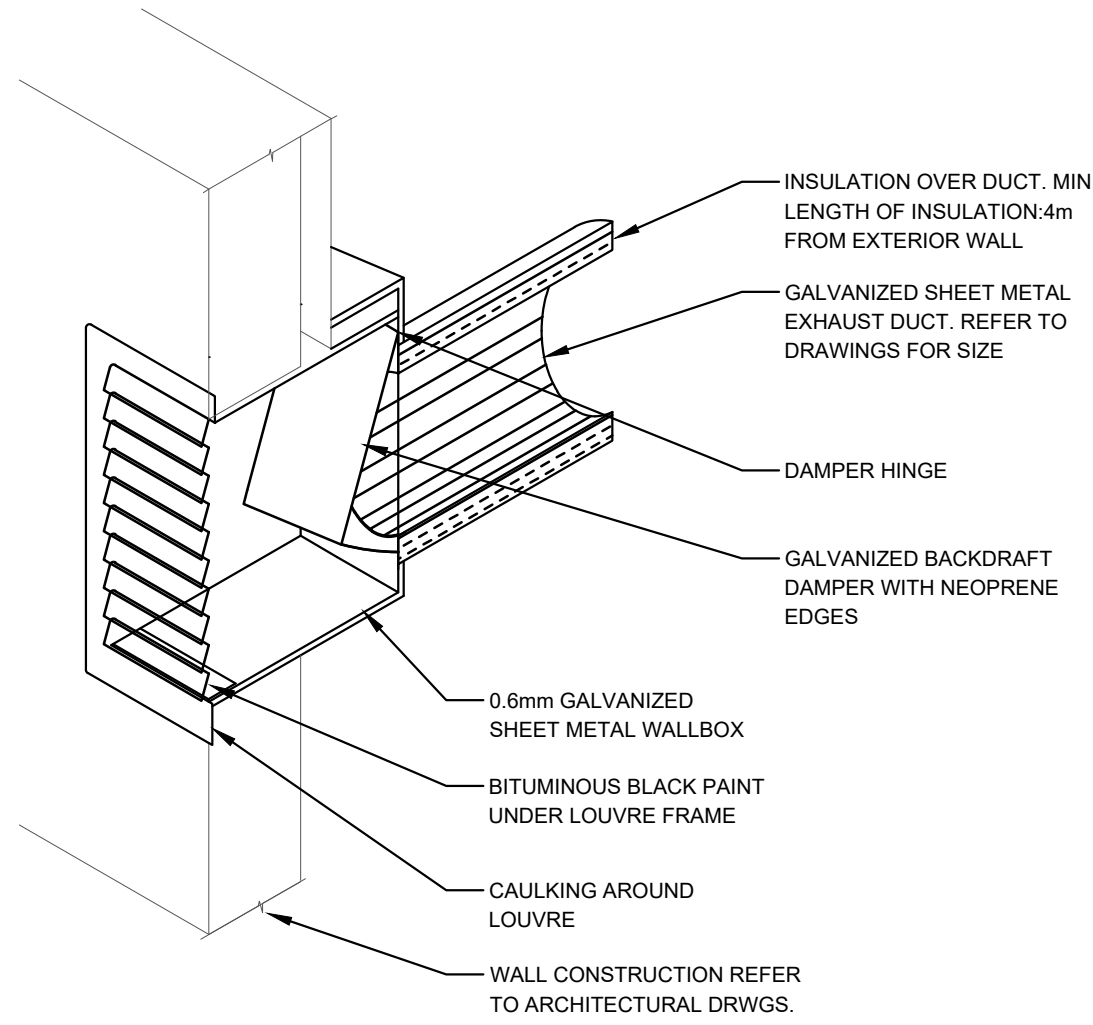
SHEET NO.

M400

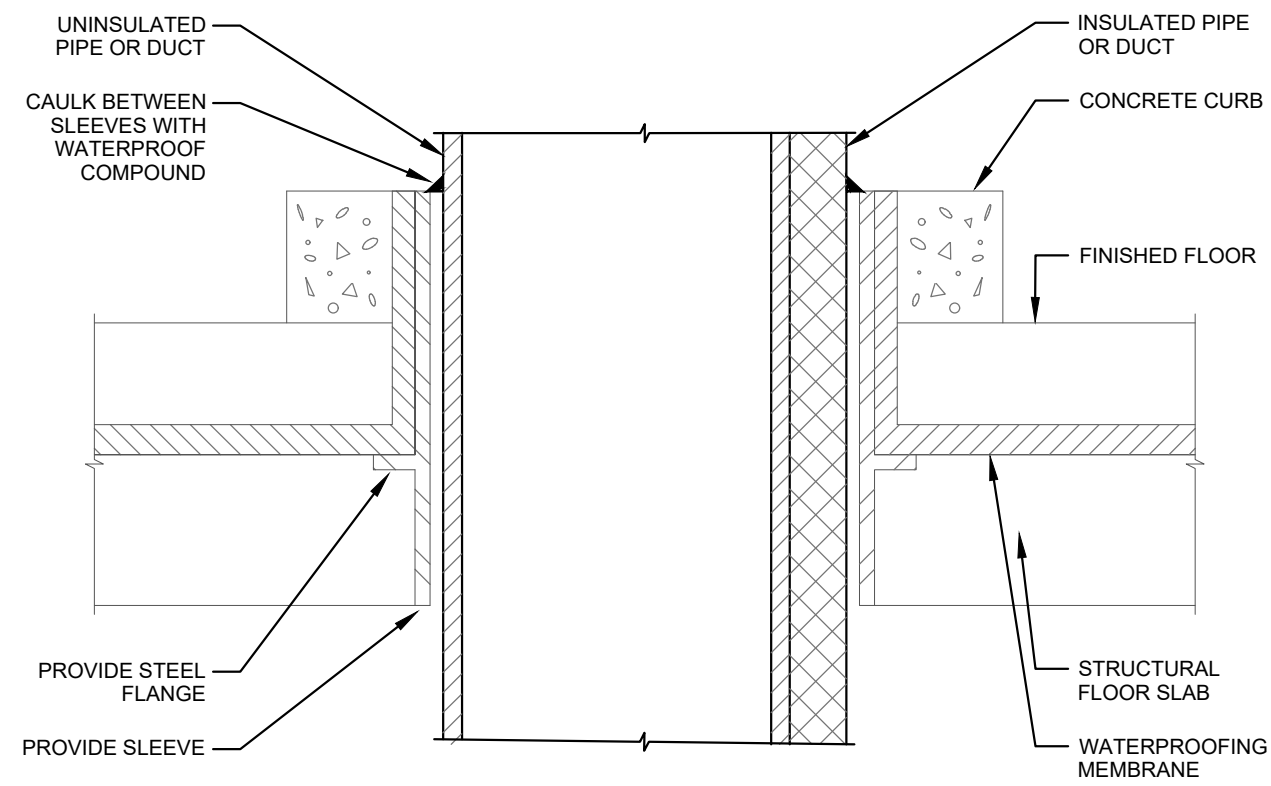




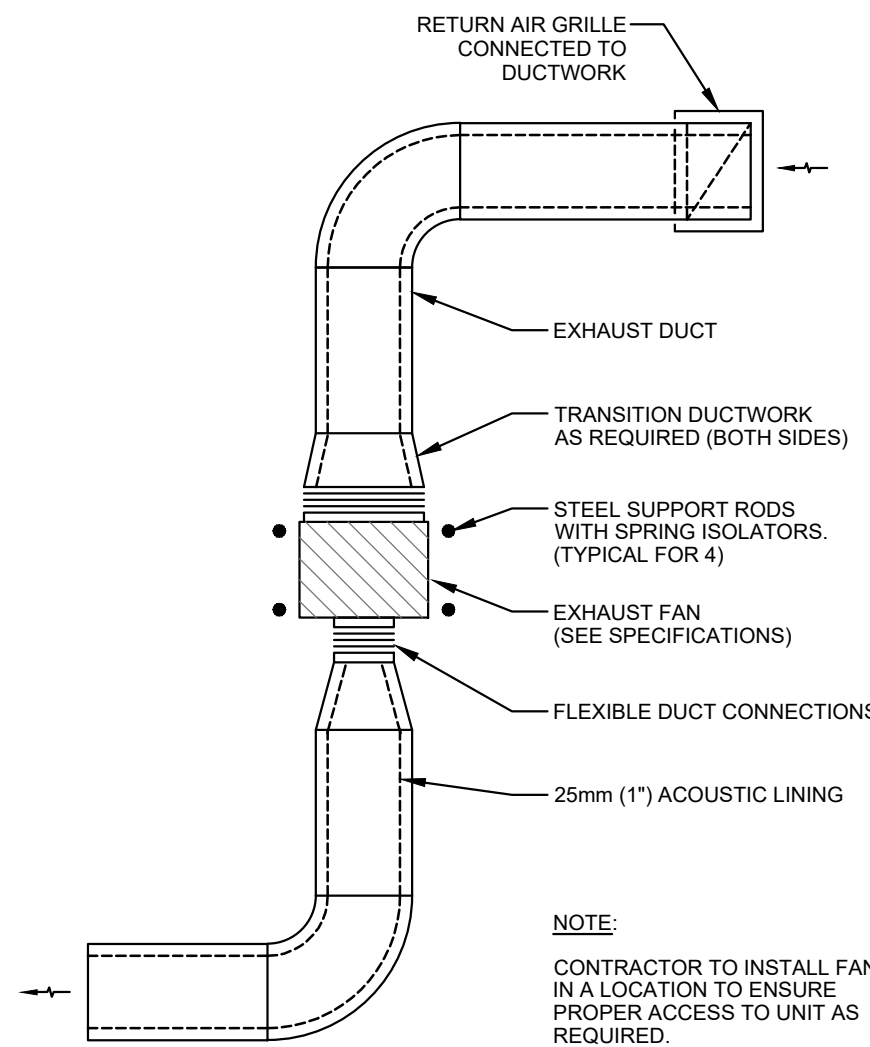
1 SUPPLY DIFFUSER CONNECTION
M-500 SCALE: N.T.S.



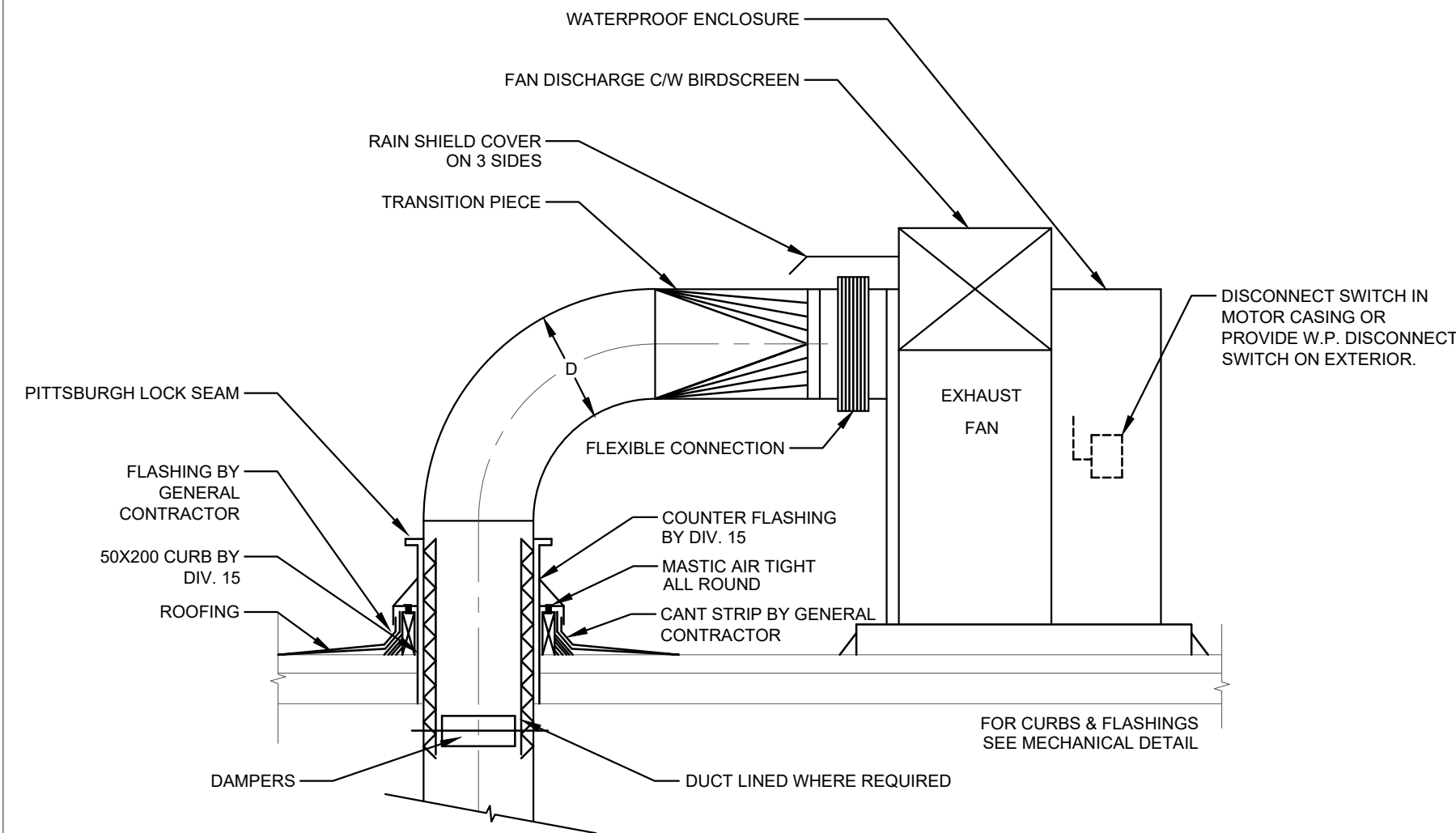
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M-500 SCALE: N.T.S.



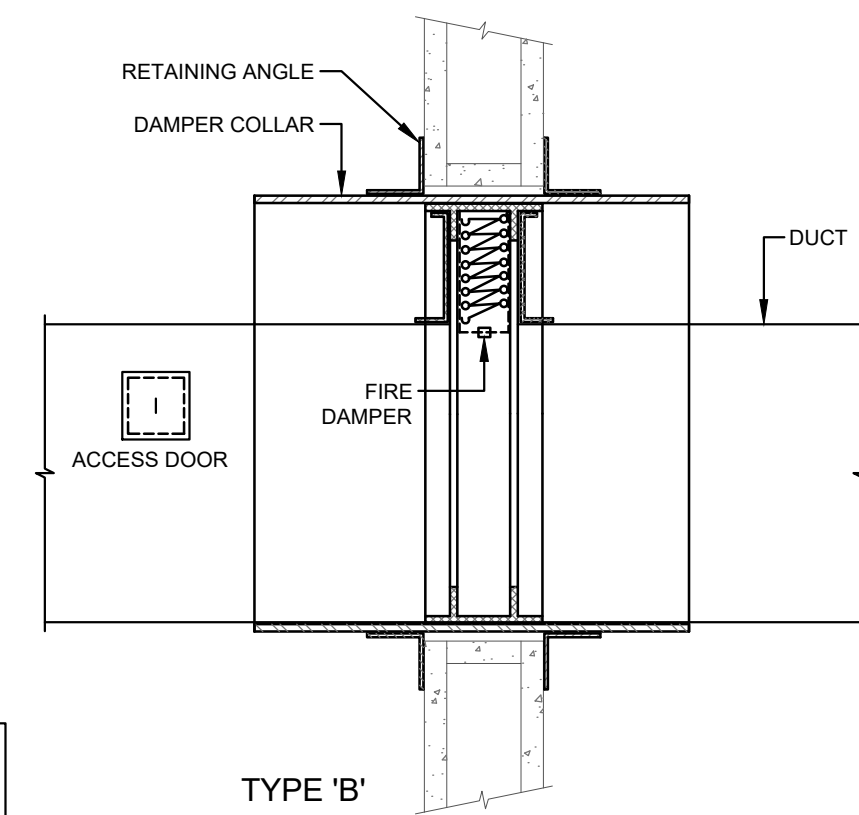
3 FLOOR PENETRATION
M-500 SCALE: N.T.S.



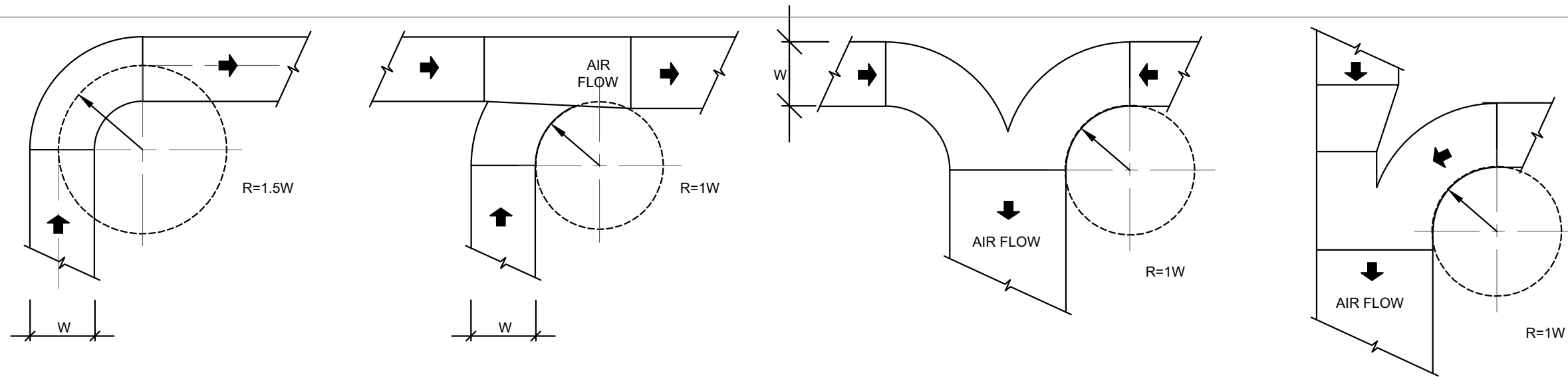
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M-500 SCALE: N.T.S.



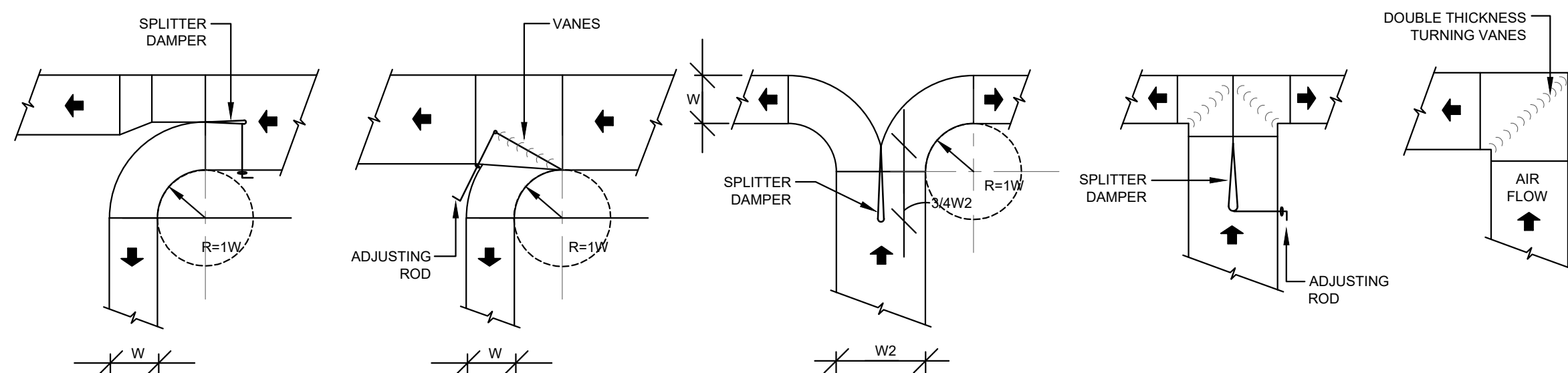
5 ROOF MOUNT UTILITY EXHAUST FAN
M-500 SCALE: N.T.S.



6 FIRE DAMPER (TYPE B)
M-500 SCALE: N.T.S.



TYPICAL EXHAUST AIR & RETURN AIR DUCT BRANCHES



7 DUCT BRANCHES
M-500 SCALE: N.T.S.

DESIGN BY:	HA
DRAWN BY:	HA
CHECKED BY:	MS
APPROVED BY:	MS
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THE REGIONAL MUNICIPALITY OF DURHAM

WORKS DEPARTMENT
DESIGN, CONSTRUCTION & ASSET MANAGEMENT

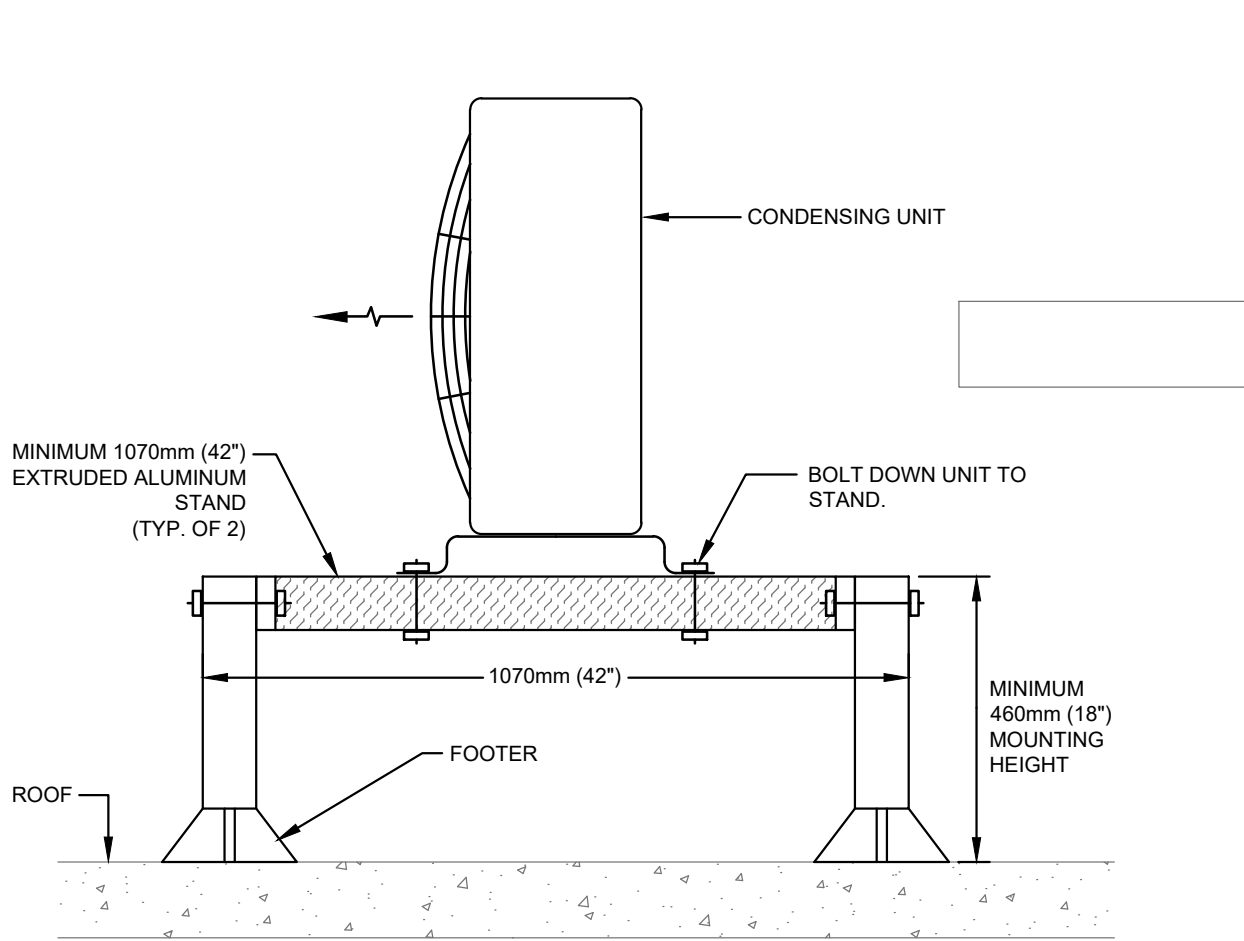
PROJECT:
PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

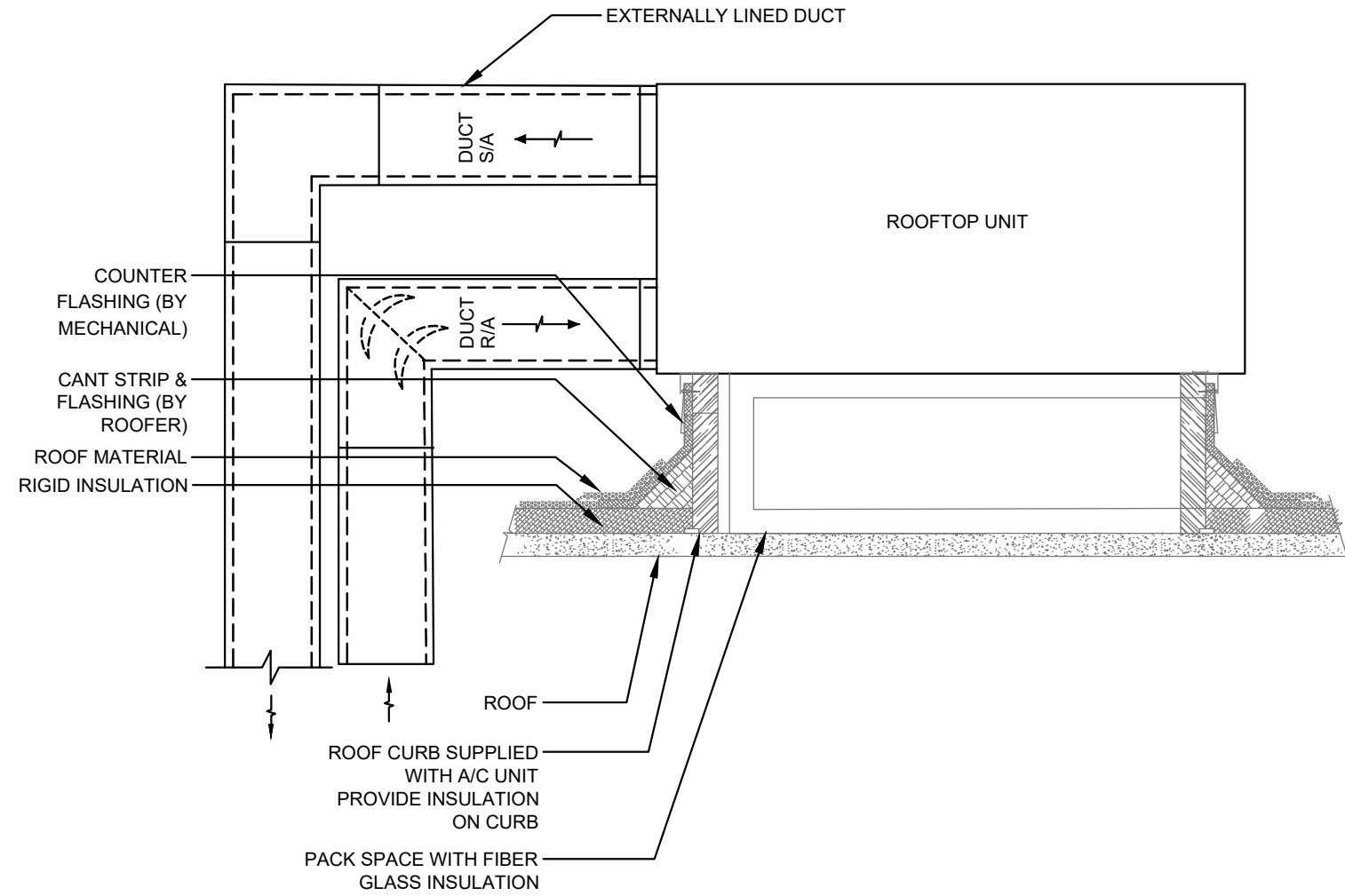
SHEET TITLE:
MECHANICAL DETAILS

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

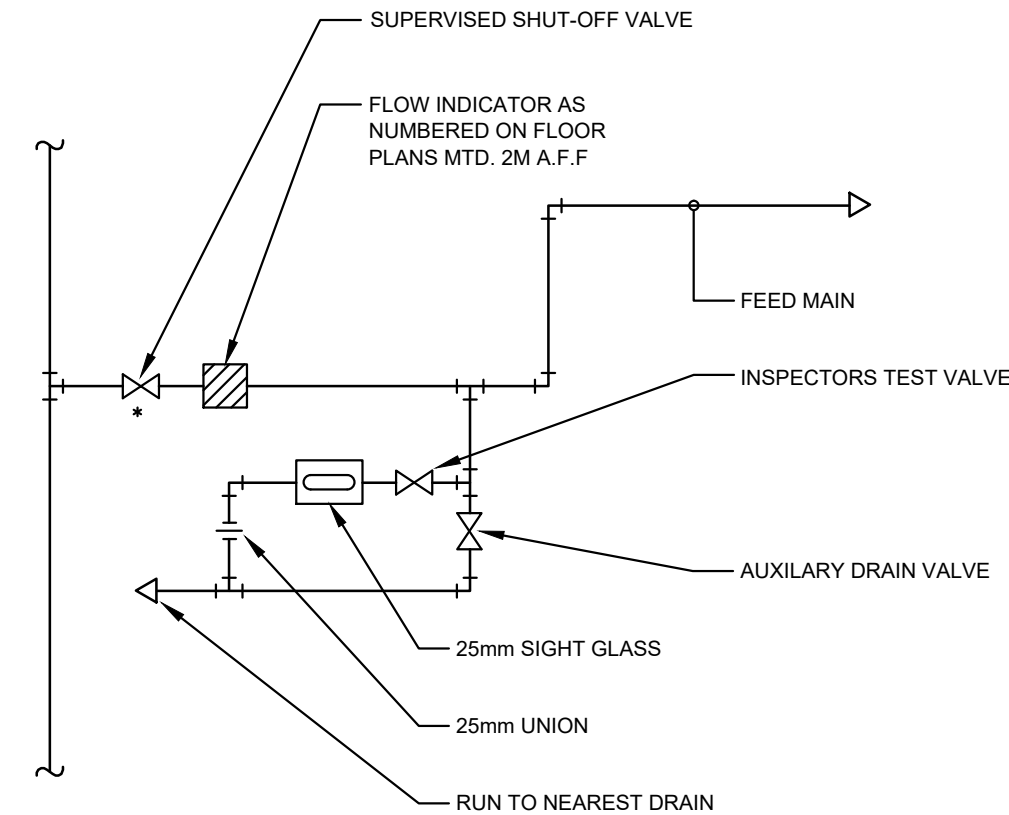
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M500



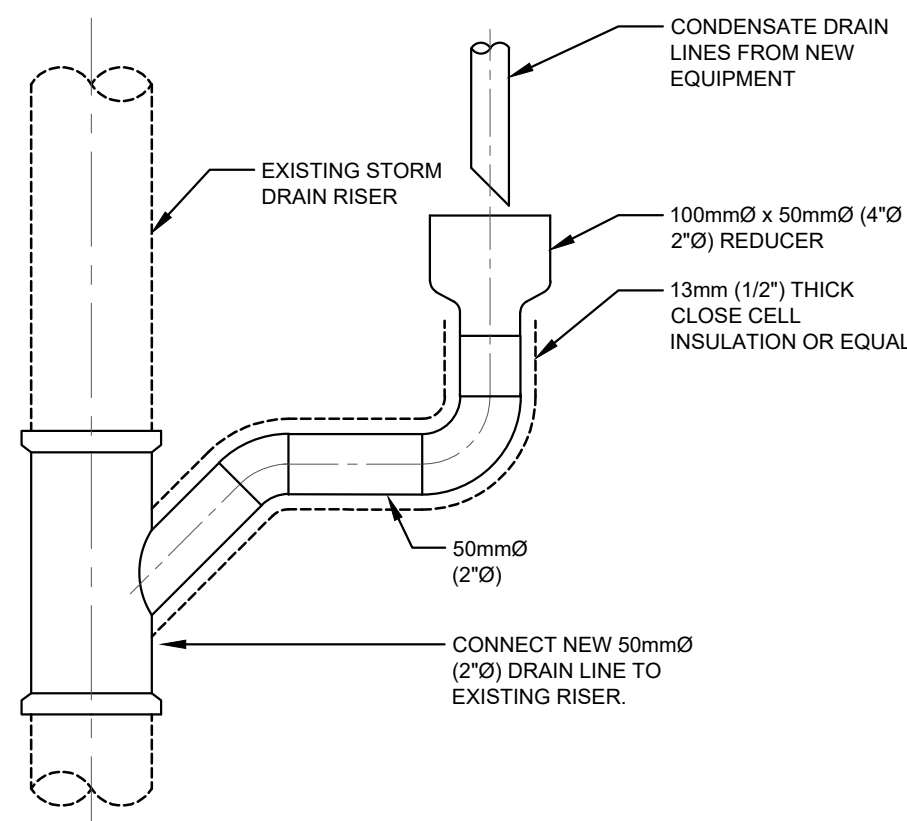
1 CONDENSING UNIT MOUNTING - STAND
M-501 SCALE: N.T.S.



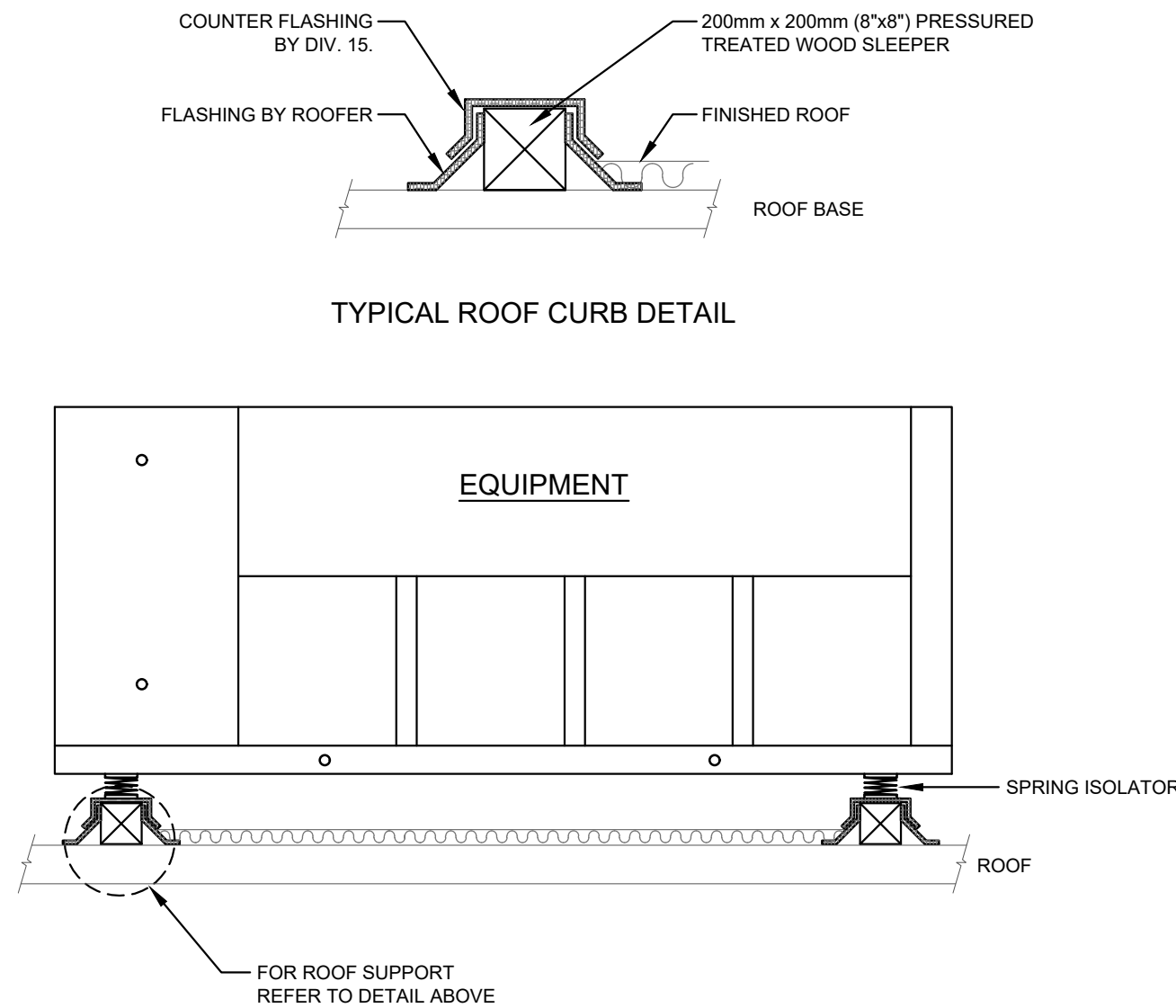
2 ROOFTOP UNIT INSTALLATION - SIDE CONNECTION
M-501 SCALE: N.T.S.



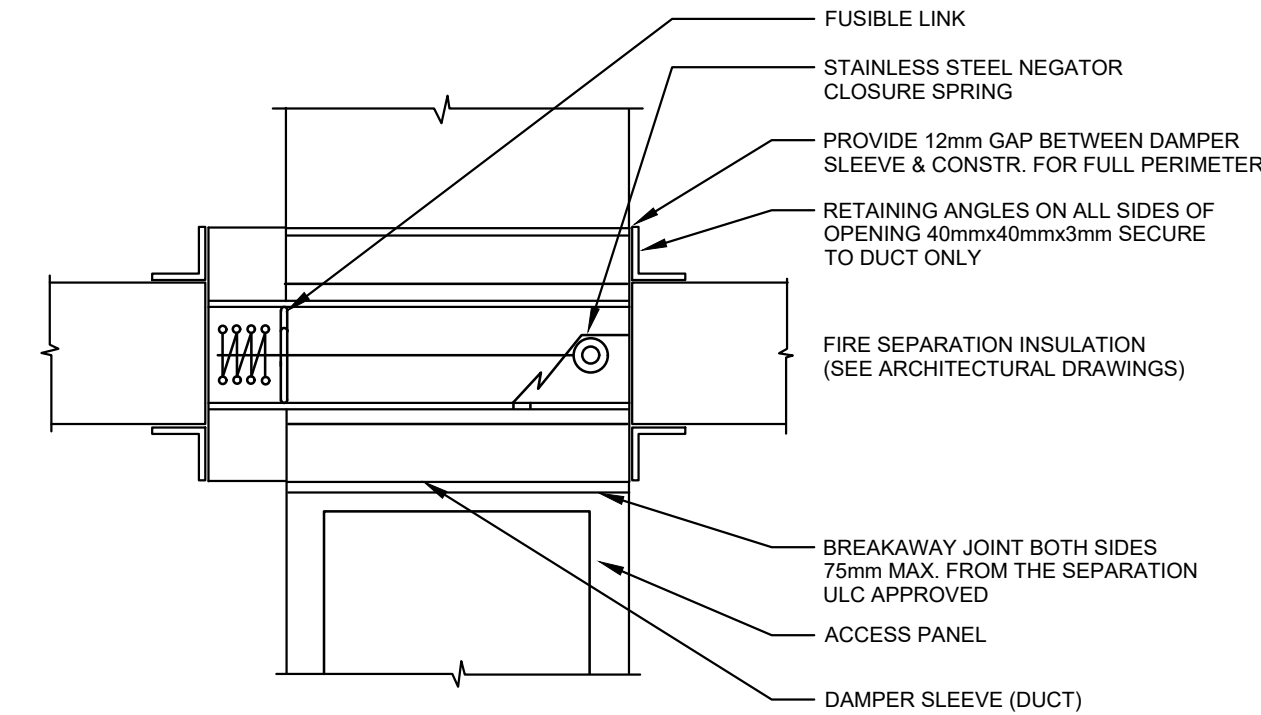
3 SPRINKLER ZONE VALVE ASSEMBLY
M501 SCALE: N.T.S.



4 CONDENSATE DRAIN TERMINATION
M501 SCALE: N.T.S.



5 ROOF MOUNTED EQUIPMENT - MOUNTING
M-501 SCALE: N.T.S.



NOTE:
FIRE DAMPERS INSTALLED IN DRYWALL PARTITIONS.
OPENINGS SHALL BE FRAMED WITH DRYWALL BY AN
ARCHITECTURAL DIVISION.

6 HORIZONTAL FIRE DAMPER INSTALLATION
M-501 SCALE: N.T.S.

DESIGN BY:	HA
DRAWN BY:	HA
CHECKED BY:	MS
APPROVED BY:	MS
SCALE:	
DATE:	JUNE 2025
CONSULTANT PROJECT NO.	2025-0012

NO.	DATE	DESCRIPTION
5	2025-09-18	IFT
4	2025-07-14	ISSUED FOR PERMIT
3	2025-06-27	ISSUED FOR PERMIT REVIEW
2	2025-06-11	ISSUED FOR REVIEW
1	2025-06-09	ISSUED FOR COORDINATION



**THE REGIONAL
MUNICIPALITY OF
DURHAM**
**WORKS DEPARTMENT
DESIGN, CONSTRUCTION &
ASSET MANAGEMENT**

PROJECT:
PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

SHEET TITLE:
MECHANICAL DETAILS

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.
M501

MAKE-UP (VENTILATION) AIR UNIT SCHEDULE																																					
TAG	SERVICE	LOCATION	MANUFACTURER	MODEL No.	SUPPLY FAN							EXHAUST FAN							COOLING COIL PERFORMANCE				HEATING - PRIMARY (HEAT PUMP)			HEATING - AUXILIARY (ELECTRIC)			REHEAT COIL PERFORMANCE		ELECTRICAL						
					AIR FLOW (L/S)	ESP (Pa)	SPEED (RPM)	MOTOR POWER (HP)	BHP (HP)	ELEC (V/PHz)	VFD/ STARTER	AIR FLOW (L/S)	ESP (Pa)	SPEED (RPM)	MOTOR POWER (HP)	BHP (HP)	ELEC. (V/PHz)	VFD/ STARTER	TOTAL COOLING CAPACITY (kW)	SENSIBLE COOLING CAPACITY (kW)	AIR SIDE			HEATING CAPACITY (kW)	EAT (°C)	LAT (°C)	HEATING CAPACITY (kW)	EAT (°C)	LAT (°C)	HEATING CAPACITY (kW)	AIR SIDE	VOLTAGE (V/PHz)	MCA (A)	MOP (A)			
																					EAT (°C)	DBWB (°C)	LAT (°C)												LAT (°C)		
MAU-2	KITCHEN	ROOFTOP	YORK	JRCH084B2	854	248.8	1902	1.5	0.92	575/360	STARTER	-	-	-	-	-	-	26.3	17.0	32.2/22.8	14.5/14.5	17.5	-8.3	7.78	50.0	-20	23.8	6.77	20.8	575/360	31.6	40.0					
TAG	ENERGY RECOVERY			PURGE AIR FLOW (L/S)	ENERGY RECOVERY WHEEL - SUPPLY								ENERGY RECOVERY WHEEL - EXHAUST				MAXIMUM FAN SOUND POWER LEVEL OF SPECIFIED EQUIPMENT MAX. PWL IN DB RE 10W*(-12)								MAXIMUM FAN SOUND POWER LEVEL OF SPECIFIED EQUIPMENT MAX. PWL IN DB RE 10W*(-12)								FILTERS	MAX WEIGHT (KG)	EMERGENCY OR NORMAL POWER	REMARKS	
	MOTOR POWER (HP)	ELEC. (V/PHz)	VFD/ STARTER		TOTAL ENERGY RECOVERED (kW)		EFFECTIVENESS		EAT DB/WB (°C)		LAT DB/WB (°C)		EAT DB/WB (°C)		LAT DB/WB (°C)		ACTIVE BAND SOUND POWER LABEL (SUPPLY)								ACTIVE BAND SOUND POWER LABEL (CONDENSER)												
					SUMMER	WINTER	SUMMER SENS/TOTAL	WINTER SENS/TOTAL	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000					
MAU-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	56	67	66	67	68	65	59	66.5	84.1	82	86.9	85.3	80.5	75	69.8	MERV 13	951	NORMAL	C/W R454B REFRIGERANT, HORIZONTAL DISCHARGE CONFIG. 24" ROOF CURB, POWER DISCONNECT, CONVENIENCE OUTLET, BAGNET CONTROLLER, INTERLOCK WITH KITCHEN EXHAUST FAN.
NOTE: APPROVED ALTERNATIVES: VENMAR, DAKIN, AAOH																																					

EXHAUST FAN SCHEDULE																										
TAG	FAN TYPE	CLASS	LOCATION	MANUFACTURER	MODEL No.	AIR FLOW (L/S)	FAN SPEED (RPM)	ESP (Pa)	MOTOR SIZE (HP)	BHP (HP)	ELEC. (V/PHz)	FLA (A)	VFD/ STARTER	WHEEL DIAMETER (MM)	WEIGHT (KG)	EMERGENCY OR NORMAL POWER	LOCAL OR BAS CONTROL	MAXIMUM FAN SOUND POWER LEVEL OF SPECIFIED EQUIPMENT MAX. PWL IN DB RE 10W*(-12)								REMARKS
																		ACTIVE BAND INLET SOUND POWER LABEL								
																		63	125	250	500	1000	2000	4000	8000	
EF-1	CENTRIFUGAL BLOWER		ROOF	COOK	150 CPV	897	1561	250	1	0.564	575/3/60	1.7	STARTER	487.5	89	NORMAL	LOCAL	73	77	797	3	69	69	65	58	ULC 762 RATED, SIDE INTAKE/UPBLAST, WEATHERPROOF MOTOR CASE, C/W GREASE TROUGH, MOUNTING RAILS.
EF-2	INLINE FAN		FIRST FLOOR TRAINING KITCHEN	COOK	GN-126	34	530	25	-	-	1201/60	0.18	SWITCH	-	5.9	NORMAL	LOCAL	-	-	-	-	-	-	-	-	C/W EXTERNAL SPEED CONTROLLER, VIBRATION ISOLATORS, INTEGRATED BACKDRAFT DAMPER
NOTE: APPROVED ALTERNATIVES: GREENHECK, TWINCITY FANS, LOREN COOK																										

VARIABLE REFRIGERANT FLOW SYSTEMS																													
SYMBOL	SERVICE	OUTDOOR UNIT														INDOOR UNIT										REMARKS			
		UNIT		COOLING			HEAT			ELECT			REFRIGERANT		WEIGHT LBS	SYMBOL	UNIT		COOLING		HEAT	CFM	ELECT	WEIGHT LBS					
		MFGR.	CAT. NO.	TOTAL (MBH)	OAT (°F)	EER/SEER	MBH	OAT (°F)	COP	V/PHz	MCA	MOP	TYPE	CHARGE AMOUNT (LB)			MFGR.	CAT. NO.	TOTAL MBH	SENS. MBH	MBH								
VRF-1	GROUND FLOOR	YORK	YVAHP048B21S	48.0	88.0	16.7/24.10	54.0	47.0	4.56	208/1/60	31.0	40.0	R410A	7.9	267	AC-1x	YORK	T1WM006B22S	6.2	5.1	6.9	353	208/1/60	22	C/W LOW AMBIENT BAFFLE KIT, CONDENSER STAND, WALL-MOUNTED CONTROLLER (C/W01), MULTI-KIT (MW-NP28A3), CONDENSATE PUMP				
xx																AC-2x	YORK	T1WM012B22S	12.3	9.5	13.9	494	208/1/60	24	C/W LOW AMBIENT BAFFLE KIT, CONDENSER STAND, WALL-MOUNTED CONTROLLER (C/W01), MULTI-KIT (MW-NP28A3), CONDENSATE PUMP				
NOTE: APPROVED ALTERNATIVES: DAIKIN, MITS, LG																													

STARTERS	
TYPE	DESCRIPTION
MS-1	MAU-2 NON-REVERSING MAGNETIC STARTER, 600V, 45A MIN., NEMA 1 ENCLOSURE, HOA W/ RUN LIGHT, 5A MAX. CONTACT CIRCUIT
MS-2	EF-1 NON-REVERSING MAGNETIC STARTER, 600V, 5A MIN., NEMA 1 ENCLOSURE, HOA W/ RUN LIGHT
NOTE: MECHANICAL CONTRACTOR TO COORDINATE WITH STARTER MANUFACTURER AND MAKE-UP AIR UNIT MANUFACTURER ANY MODIFICATIONS REQUIRED TO BE MADE TO MAU-2 TO ENSURE COMPATIBILITY WITH THE PANEL. ALL STARTERS TO HAVE LAMC000 IDENTIFICATION PLATES. MECHANICAL CONTRACTOR TO FORWARD STARTER DESIGNATION AND ITEM DATE (AS LISTED ON THE EQUIPMENT SCHEDULE) TO THE STARTER MANUFACTURER. APPROVED VENDORS: GE, ABB, EATON, SIEMENS	

MISCELLANEOUS EQUIPMENT	
SYMBOL	DESCRIPTION
BBH-1	STELPRO ELECTRIC BASEBOARD HEATER MODEL NO. B1258W, 1250W, 208/1/60, 57 IN. LONG, BUILT-IN SINGLE POLE THERMOSTAT
BBH-2	STELPRO ELECTRIC BASEBOARD HEATER MODEL NO. B1008W, 1000W, 208/1/60, 47 IN. LONG, BUILT-IN SINGLE POLE THERMOSTAT
NOTE:	

DIFFUSERS & GRILLES

SYMBOL	UNIT			DAMPER		MATERIAL	FINISH	REMARKS
	CAT. NO.	APPLICATION	SUPPLY RETURN EXHAUST	PART OF UNIT	REMOTE IN DUCT			
P	SPD	CORRIDOR	SUPPLY	N	Y	ALUMINUM	WHITE	
E	80	SANITARY EXHAUST	EXHAUST	N	Y	ALUMINUM	WHITE	
G	530	GENERAL RETURN	RETURN	N	Y	STEEL	WHITE	
S	510	GENERAL SUPPLY	SUPPLY	N	Y	STEEL	WHITE	
XX								
NOTE:								

H

HIDI

THE

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GROUP

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DESIGN BY:	HA
DRAWN BY:	HA
CHECKED BY:	MS
APPROVED BY:	MS
SCALE:	
DATE:	JUNE 2025
CONSULTANT PROJECT NO.	2025-0012

ISSUE DATE:		
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1	2025-06-09	ISSUED FOR COORDINATION
NO.	DATE	DESCRIPTION

SEAL:

LICENCED PROFESSIONAL ENGINEER

11/09/2025

L. TURPIN

100215842

PROVINCE OF ONTARIO



THE REGIONAL
MUNICIPALITY OF
DURHAM

WORKS DEPARTMENT
DESIGN, CONSTRUCTION &
ASSET MANAGEMENT

PROJECT:

PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

SHEET TITLE:

MECHANICAL SCHEDULES

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.

M600