

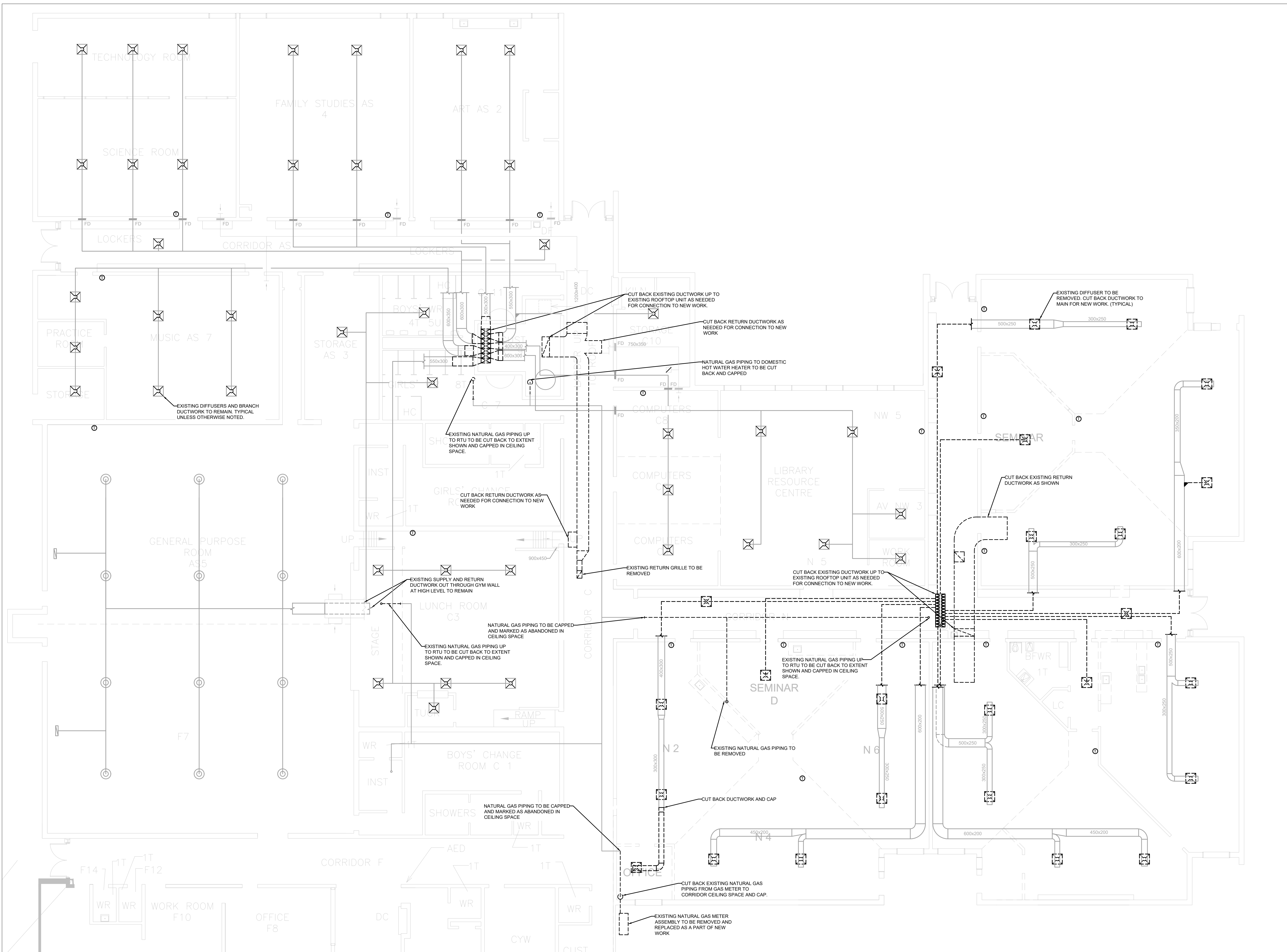
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ISSUE DATE:

NO.	DATE	DESCRIPTION
4	2022-02-11	ISSUED FOR TENDER
3	2022-01-31	ISSUED FOR 90% CD REVIEW
2	2022-01-19	ISSUED FOR PERMIT
1	2021-12-20	ISSUED FOR REVIEW

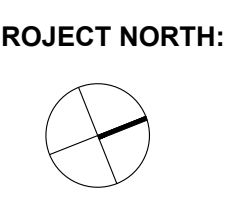
PROJECT:

Park Manor Public School - Phase 2 Renovations

DRAWING TITLE:

GROUND FLOOR DEMOLITION PLAN - HVAC

PROJECT NO: ED-20-301
 SCALE: AS SHOWN
 DRAWN BY: KA
 REVIEWED BY: MH



DRAWING NO:

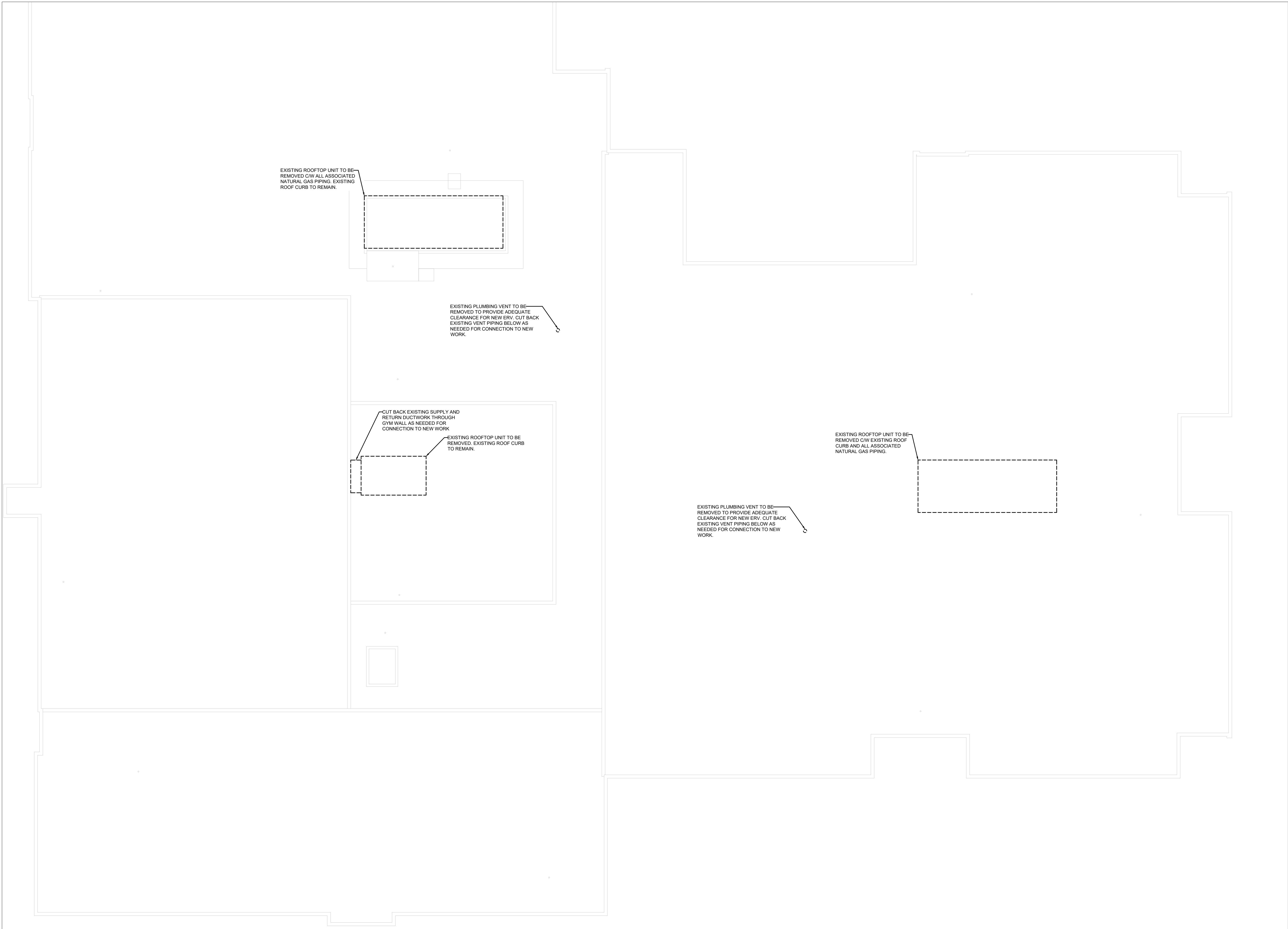
M101

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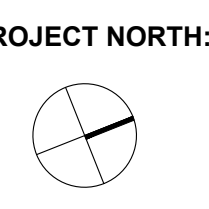
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NO.	DATE	DESCRIPTION

PROJECT:
 Park Manor Public School - Phase 2 Renovations

DRAWING TITLE:
 ROOF DEMOLITION PLAN - HVAC

PROJECT NO: ED-20-301
SCALE: AS SHOWN
DRAWN BY: KA
REVIEWED BY: MH



DRAWING NO:
M102

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PROJECT:

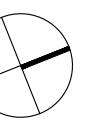
Park Manor Public School - Phase 2 Renovations

DRAWING TITLE:

ROOF NEW WORK PLAN - HVAC

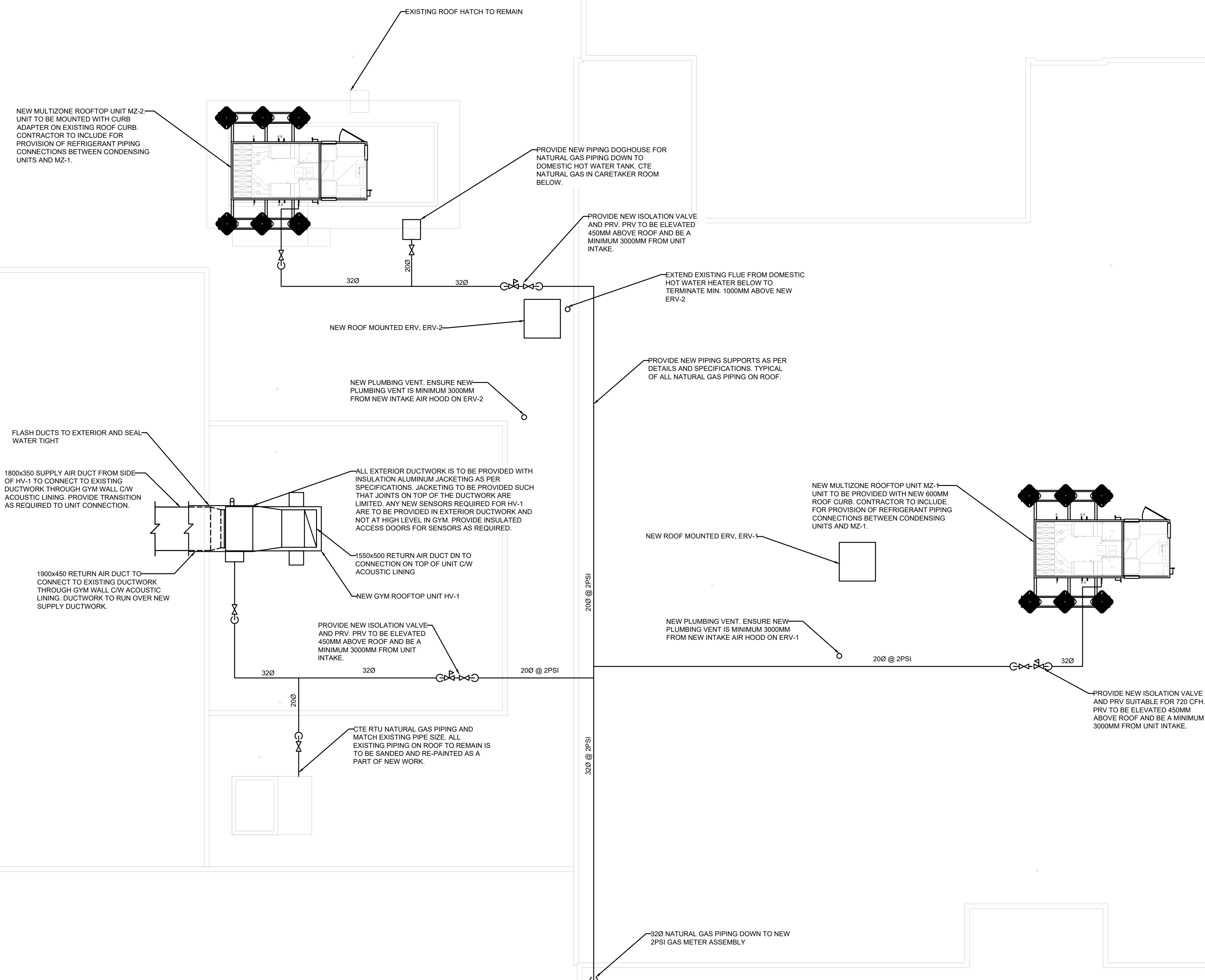
PROJECT NO: ED-20-301
SCALE: AS SHOWN
DRAWN BY: KA
REVIEWED BY: MH

PROJECT NORTH:



DRAWING NO:

M202

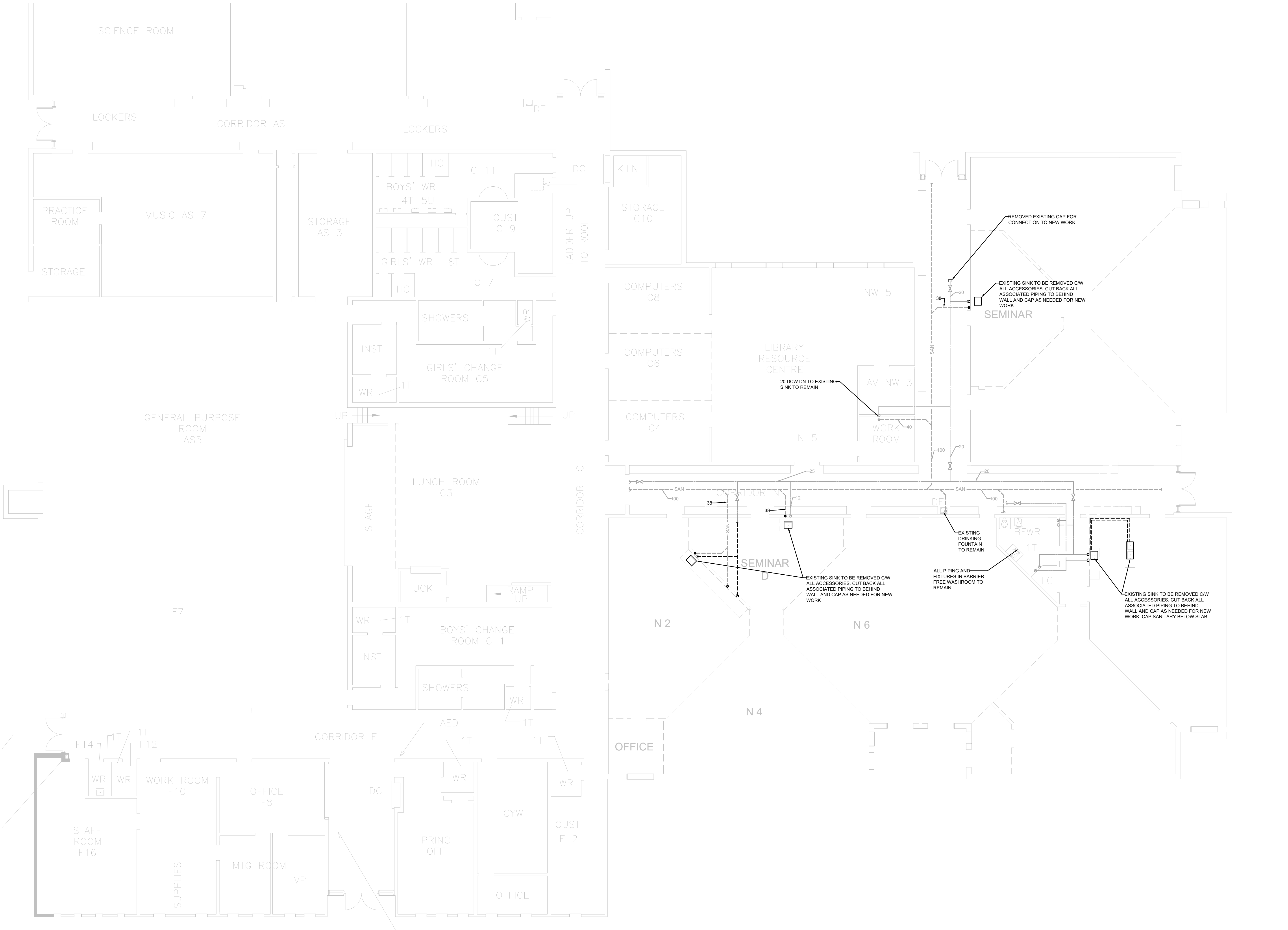


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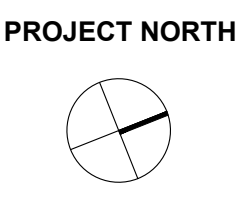
PROJECT:

Park Manor Public School - Phase 2 Renovations

DRAWING TITLE:

GROUND FLOOR DEMOLITION PLAN - PLUMBING

PROJECT NO: ED-20-301
SCALE: AS SHOWN
DRAWN BY: KA
REVIEWED BY: MH



DRAWING NO:

M301

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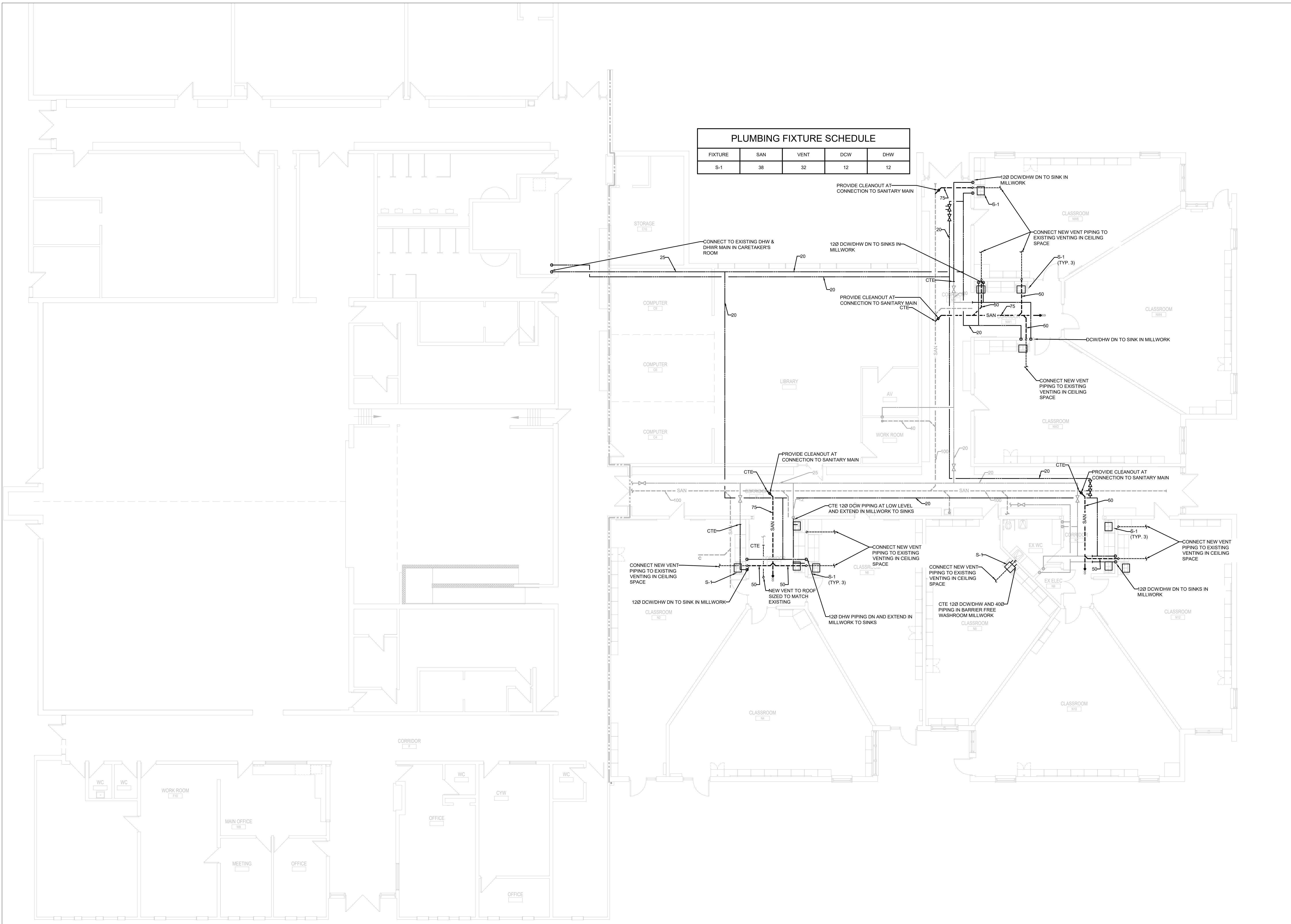
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PLUMBING FIXTURE SCHEDULE				
FIXTURE	SAN	VENT	DCW	DHW
S-1	38	32	12	12



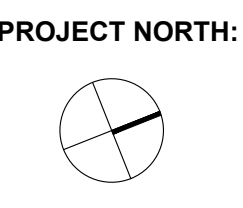
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PROJECT:
Park Manor Public School - Phase 2 Renovations

DRAWING TITLE:
GROUND FLOOR NEW WORK PLAN - PLUMBING

PROJECT NO: ED-20-301
 SCALE: AS SHOWN
 DRAWN BY: KA
 REVIEWED BY: MH



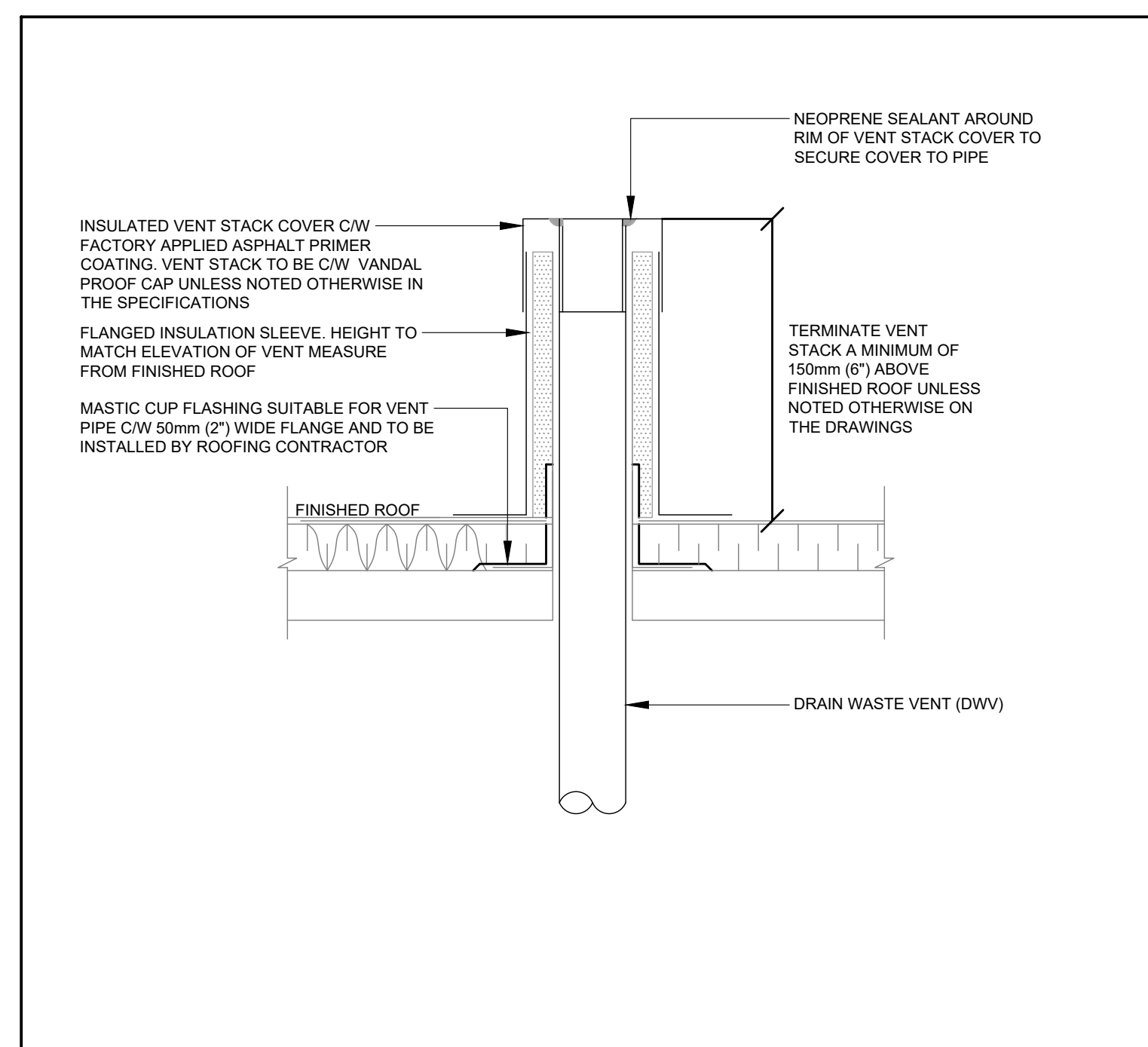
DRAWING NO:
M302

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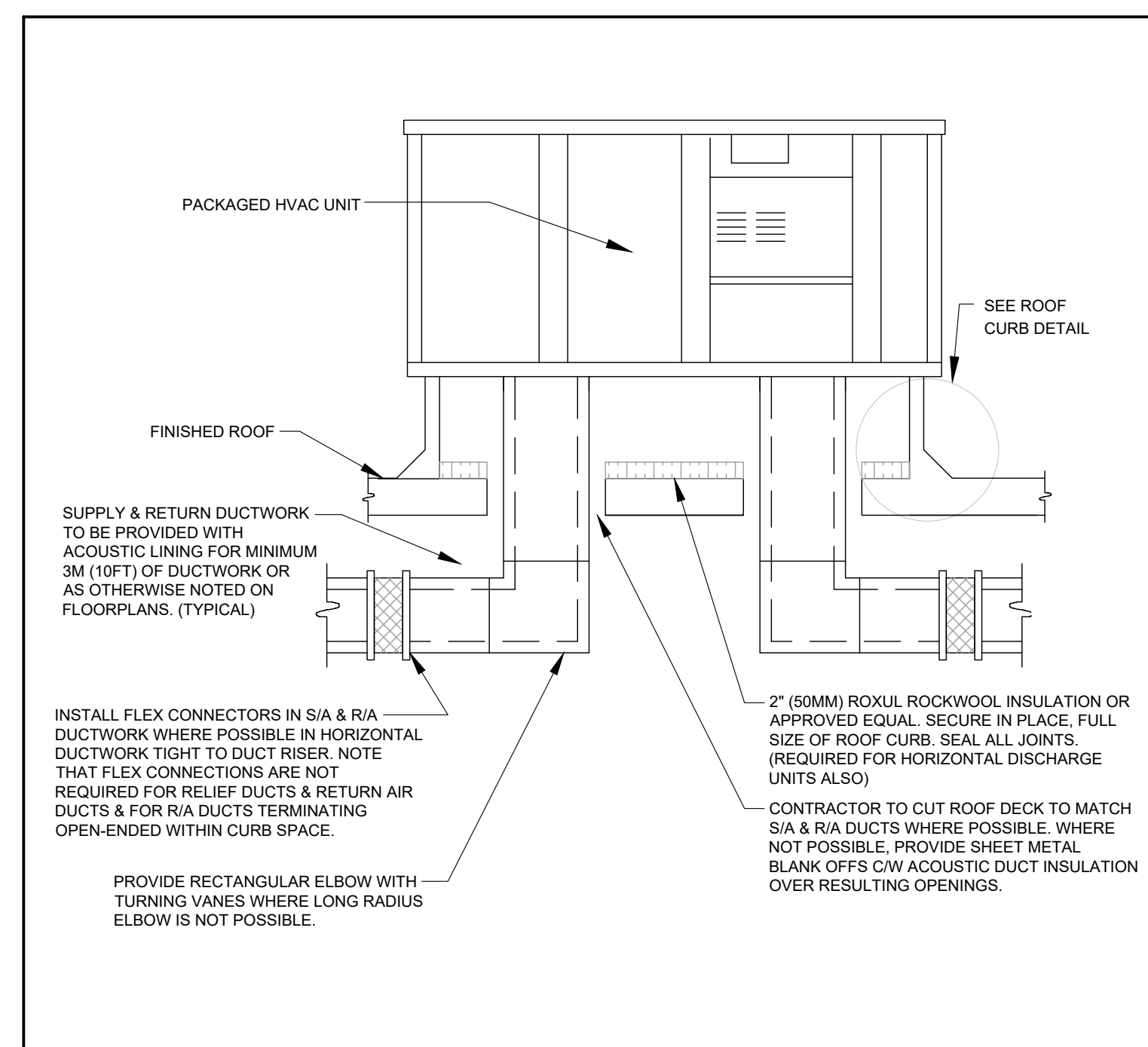
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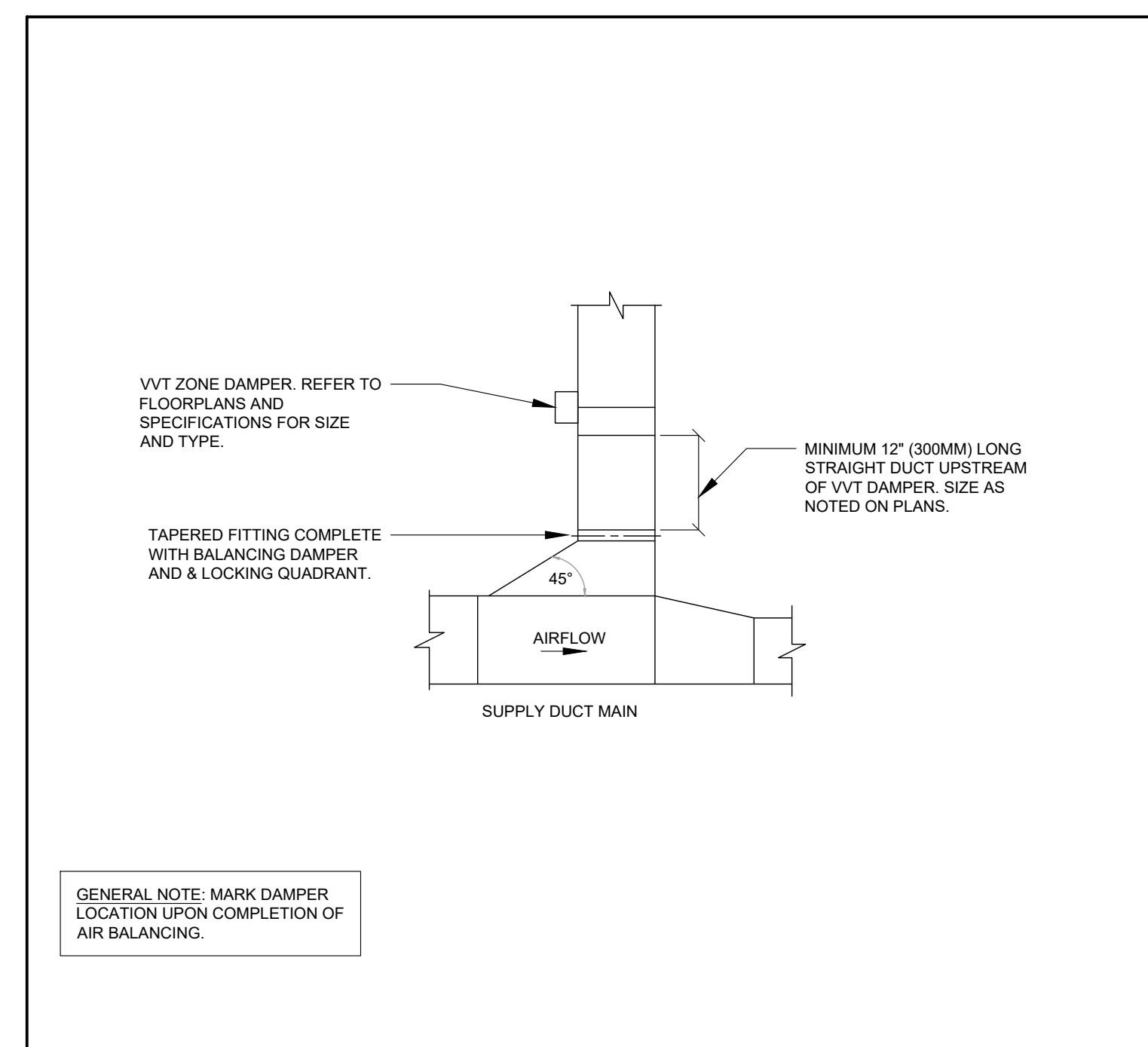
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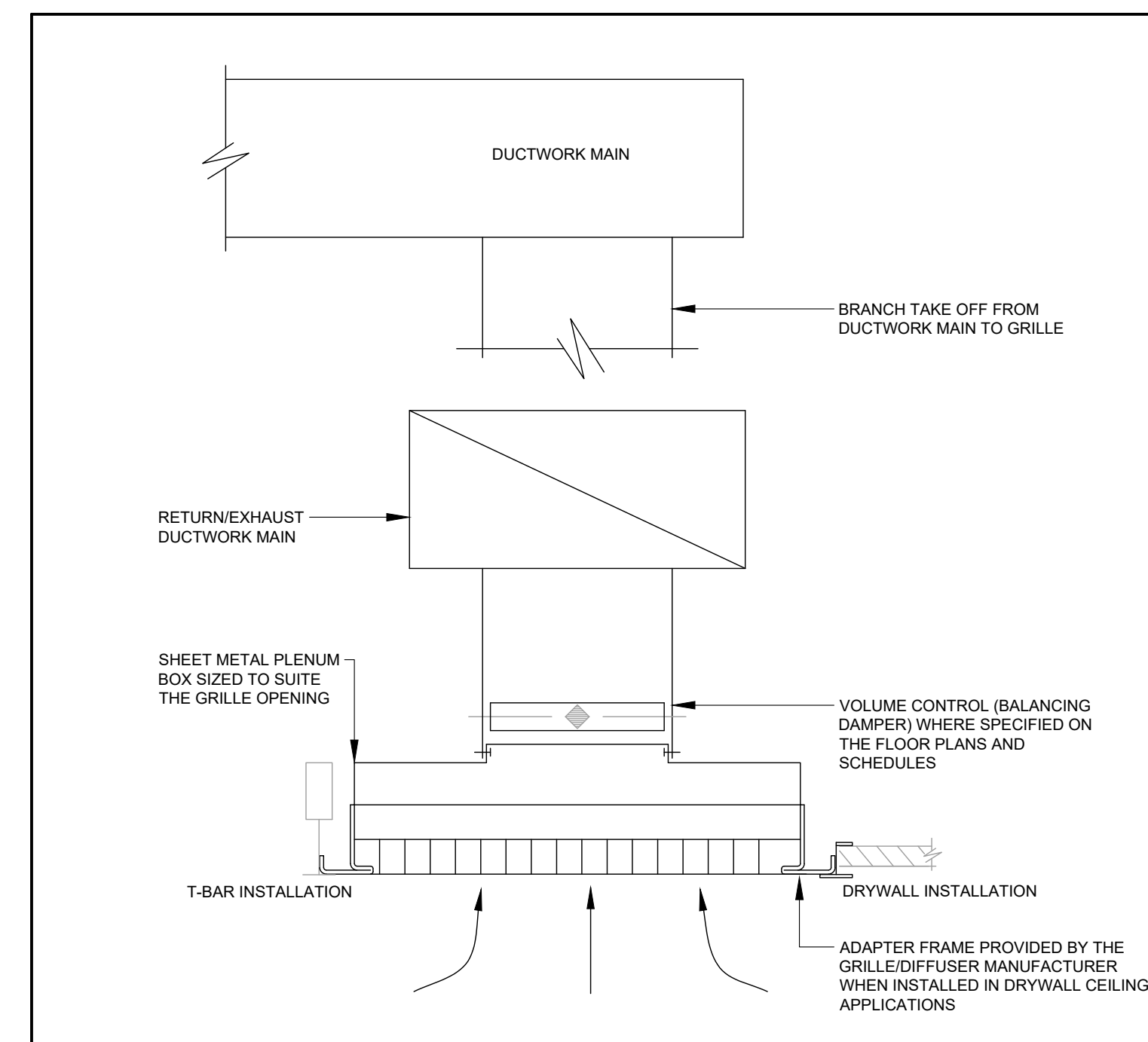
22 13 00.01 DWV ROOF PENETRATION & VENT CAP COVER
 NOT TO SCALE



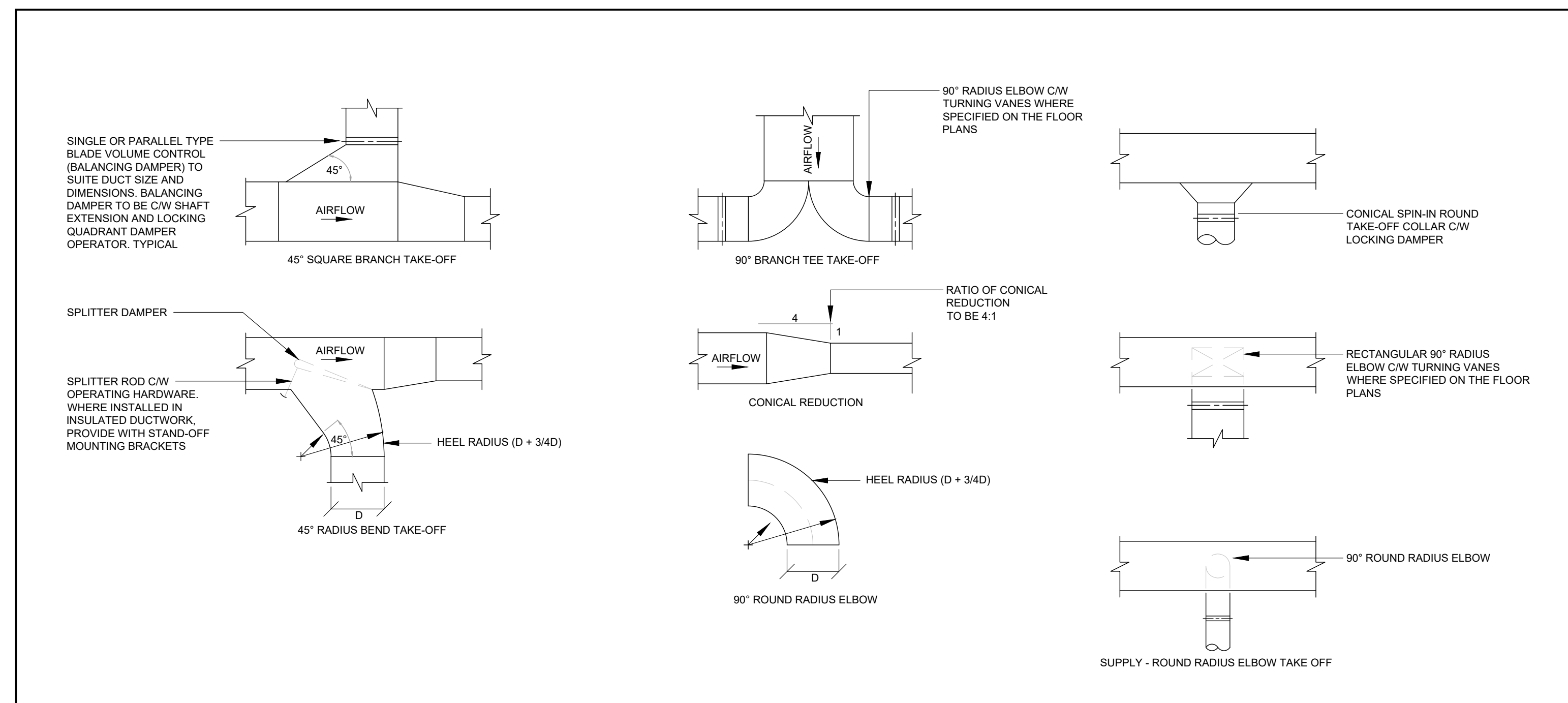
23 74 13.01 DETAIL OF ROOFTOP UNIT INSTALLATION
 NOT TO SCALE



23 30 00.10 TYPICAL VVT DAMPER INSTALLATION
 NOT TO SCALE



23 30 42.02 CEILING MOUNTED GRILLE
 NOT TO SCALE



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

ISSUE DATE:

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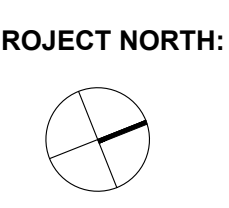
PROJECT:

Park Manor Public School - Phase 2 Renovations

DRAWING TITLE:

MECHANICAL DETAILS 1

PROJECT NO: ED-20-301
 SCALE: AS SHOWN
 DRAWN BY: KA
 REVIEWED BY: MH



DRAWING NO:

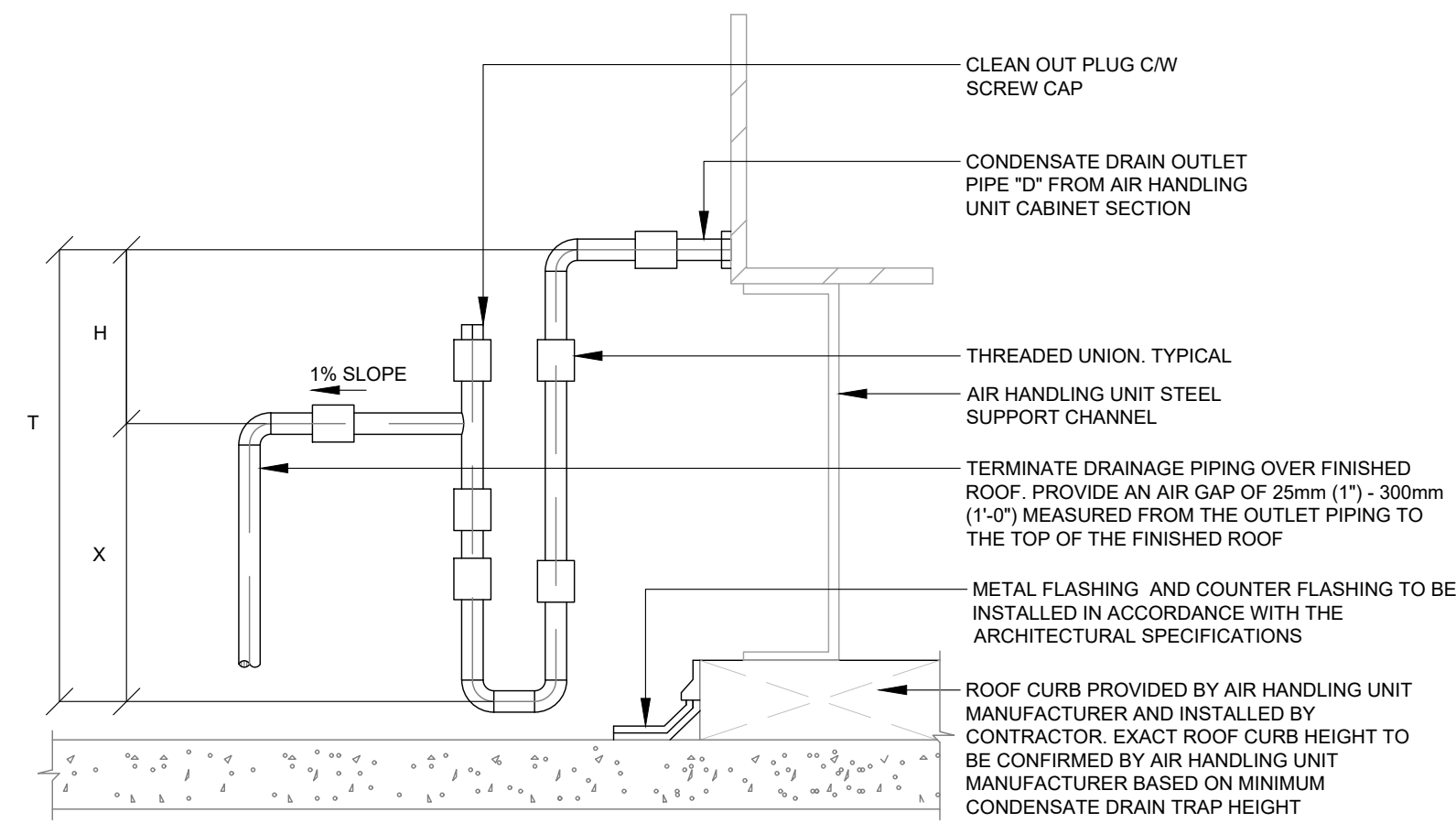
M401

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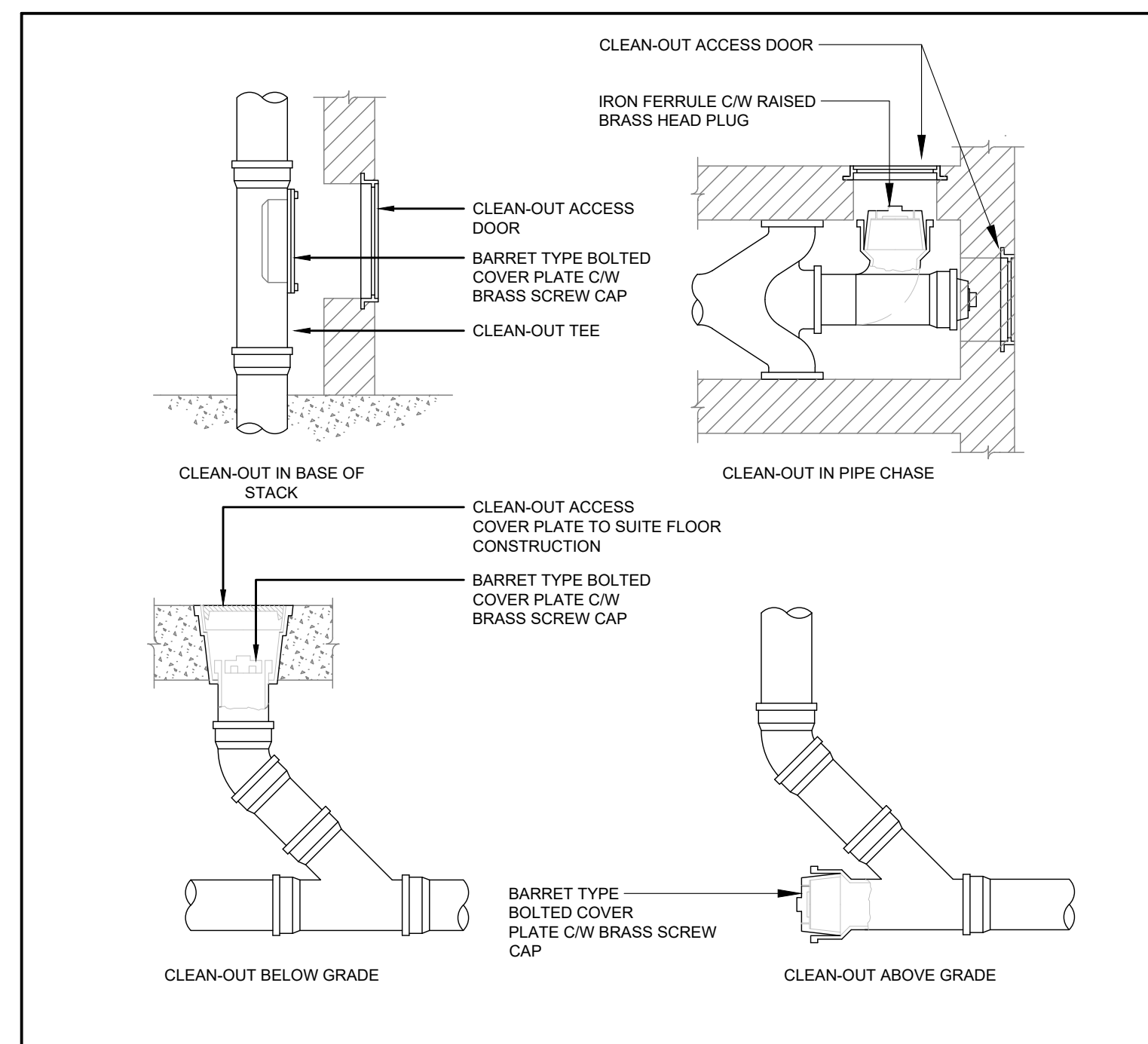


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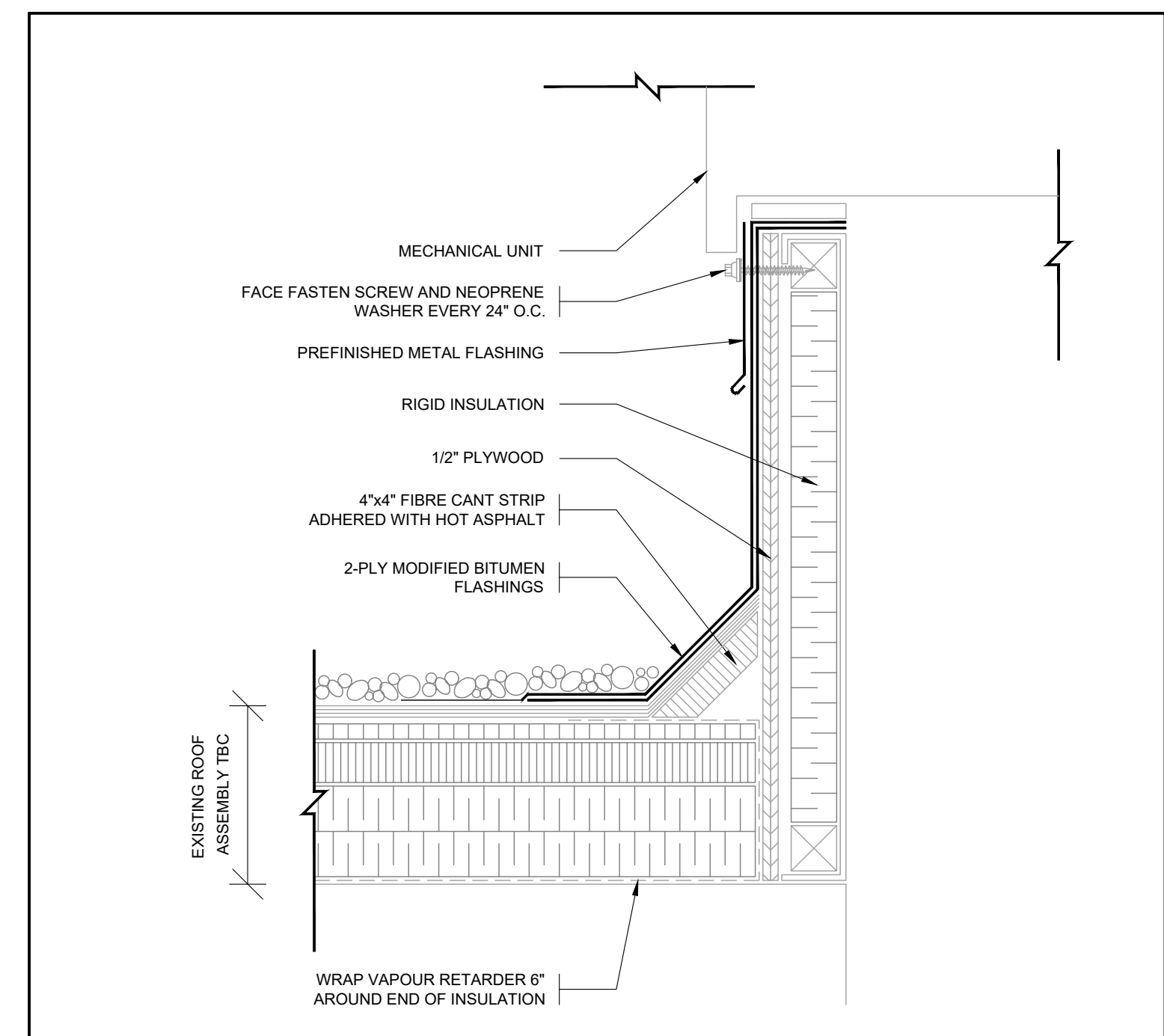


DIAMETER 'D'	REQUIRED CONDENSATE DRAIN TRAP HEIGHT			
	NEGATIVE STATIC PRESSURE		POSITIVE STATIC PRESSURE	
	STATIC PRESSURE	T (MINIMUM)	STATIC PRESSURE	T (MINIMUM)
20mm (3/4")	248 Pa (-1" W.C.)	104mm (4.1')	248 Pa (1" W.C.)	104mm (4.1')
	497 Pa (-2" W.C.)	142mm (5.6')	497 Pa (2" W.C.)	129mm (5.1')
	747 Pa (-3" W.C.)	190mm (7.5')	747 Pa (3" W.C.)	165mm (6.5')
25mm (1")	248 Pa (-1" W.C.)	114mm (4.5')	248 Pa (1" W.C.)	114mm (4.5')
	497 Pa (-2" W.C.)	152mm (6.0')	497 Pa (2" W.C.)	140mm (5.5')
	747 Pa (-3" W.C.)	190mm (7.5')	747 Pa (3" W.C.)	165mm (6.5')
32mm (1-1/4")	248 Pa (-1" W.C.)	135mm (5.3')	248 Pa (1" W.C.)	135mm (5.3')
	497 Pa (-2" W.C.)	173mm (6.8')	497 Pa (2" W.C.)	160mm (6.3')
	747 Pa (-3" W.C.)	211mm (8.3')	747 Pa (3" W.C.)	185mm (7.3')

T = TOTAL TRAP HEIGHT = X + H(1.5'D)
 NEGATIVE STATIC PRESSURES:
 • X = 0.5'H (MINIMUM)
 • H = 25mm (1") + UNIT STATIC PRESSURE IN AIR HANDLING UNIT CABINET SECTION (MINIMUM)
 • D = PIPE DIAMETER
 POSITIVE STATIC PRESSURES:
 • X = 25mm (1") + UNIT STATIC PRESSURE IN AIR HANDLING UNIT CABINET SECTION (MINIMUM)
 • H = 25mm (1") (MINIMUM)
 • D = PIPE DIAMETER



22 13 00.02 SANITARY & STORM WATER CLEANOUTS
 NOT TO SCALE



20 05 00.15 DETAIL OF PREFABRICATED ROOF CURB
 NOT TO SCALE

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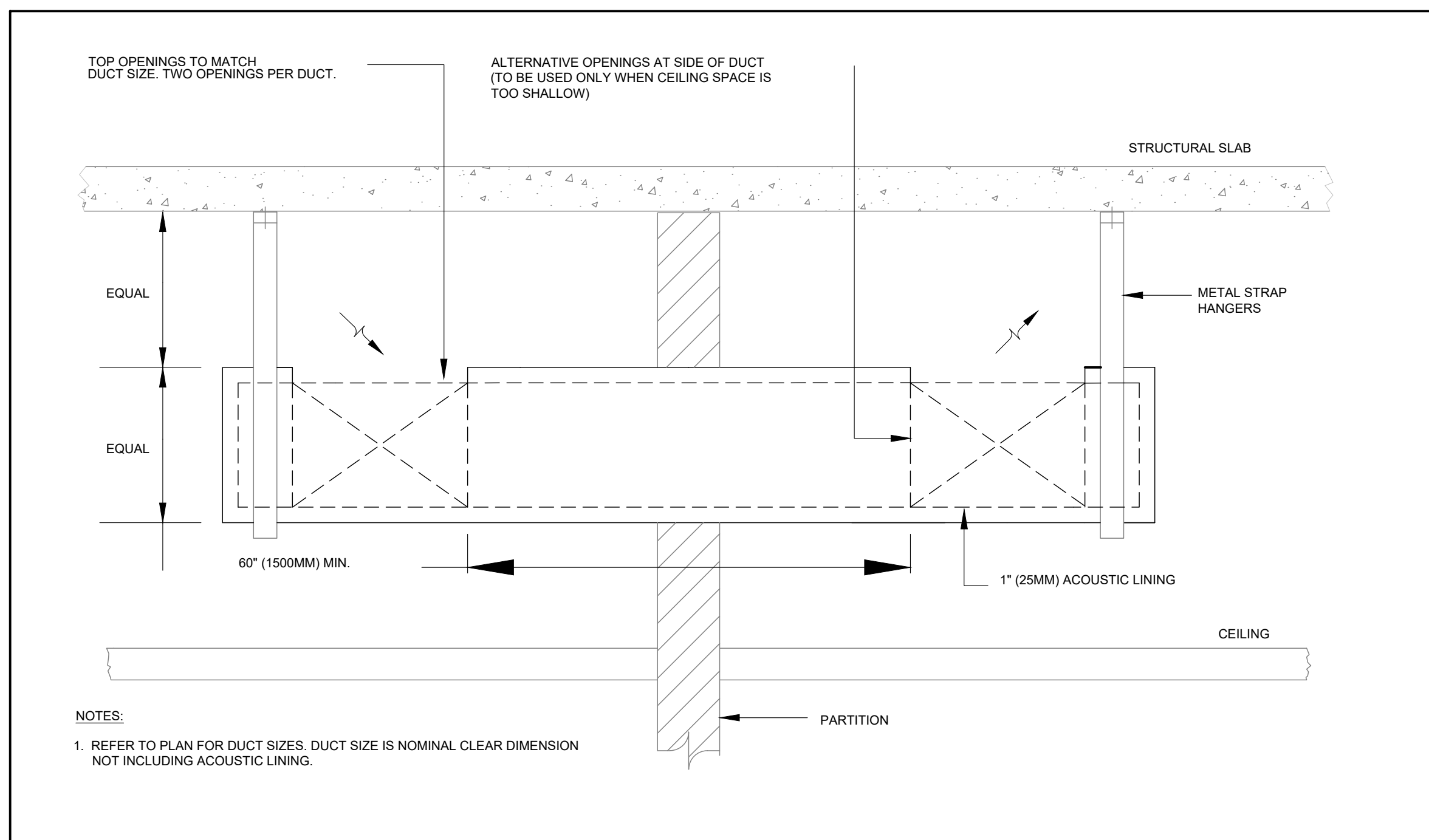
PROJECT:
 Park Manor Public School - Phase 2 Renovations

DRAWING TITLE:
 MECHANICAL DETAILS 2

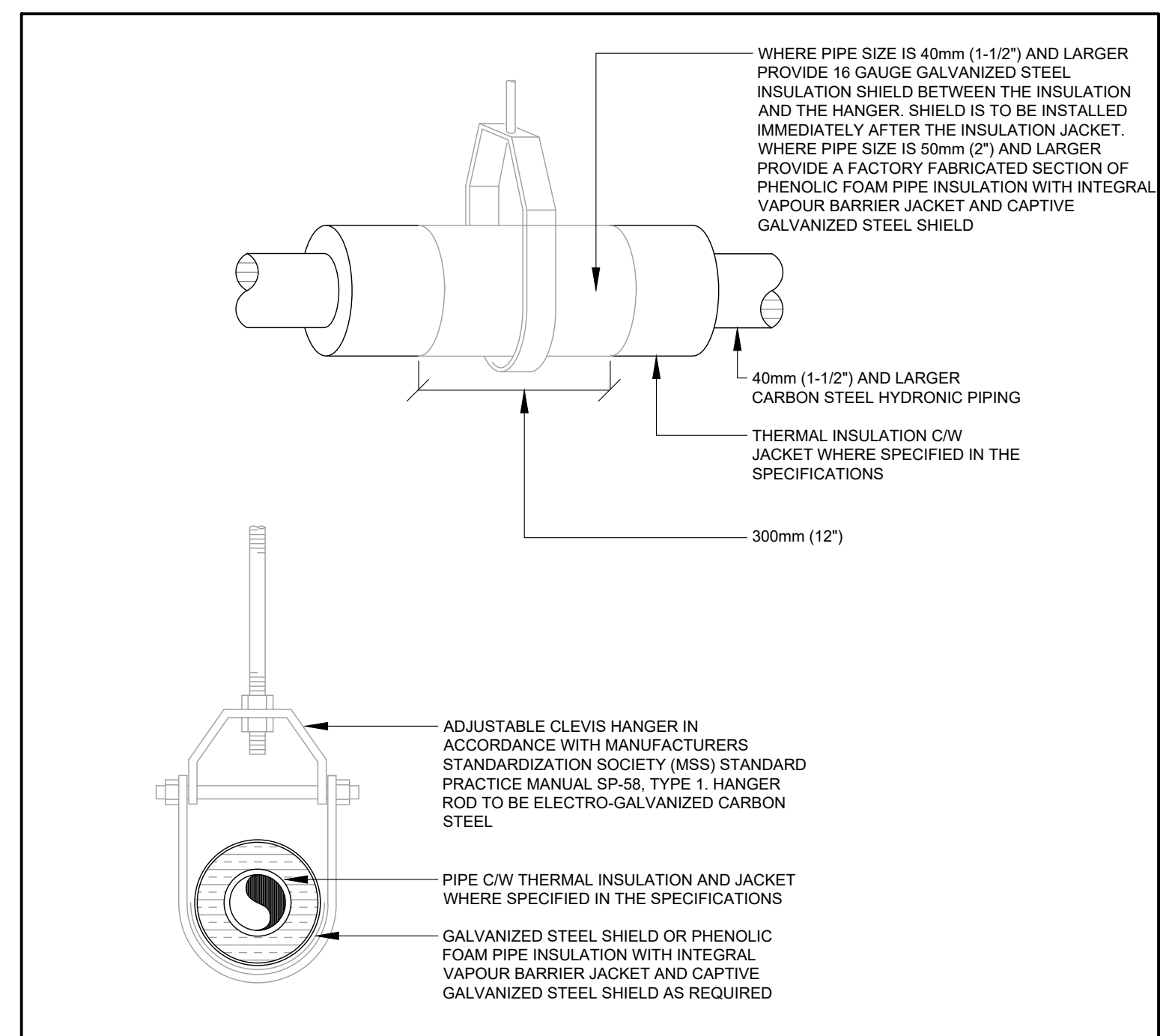
PROJECT NO: ED-20-301
SCALE: AS SHOWN
DRAWN BY: KA
REVIEWED BY: MH

DRAWING NO:
 M402

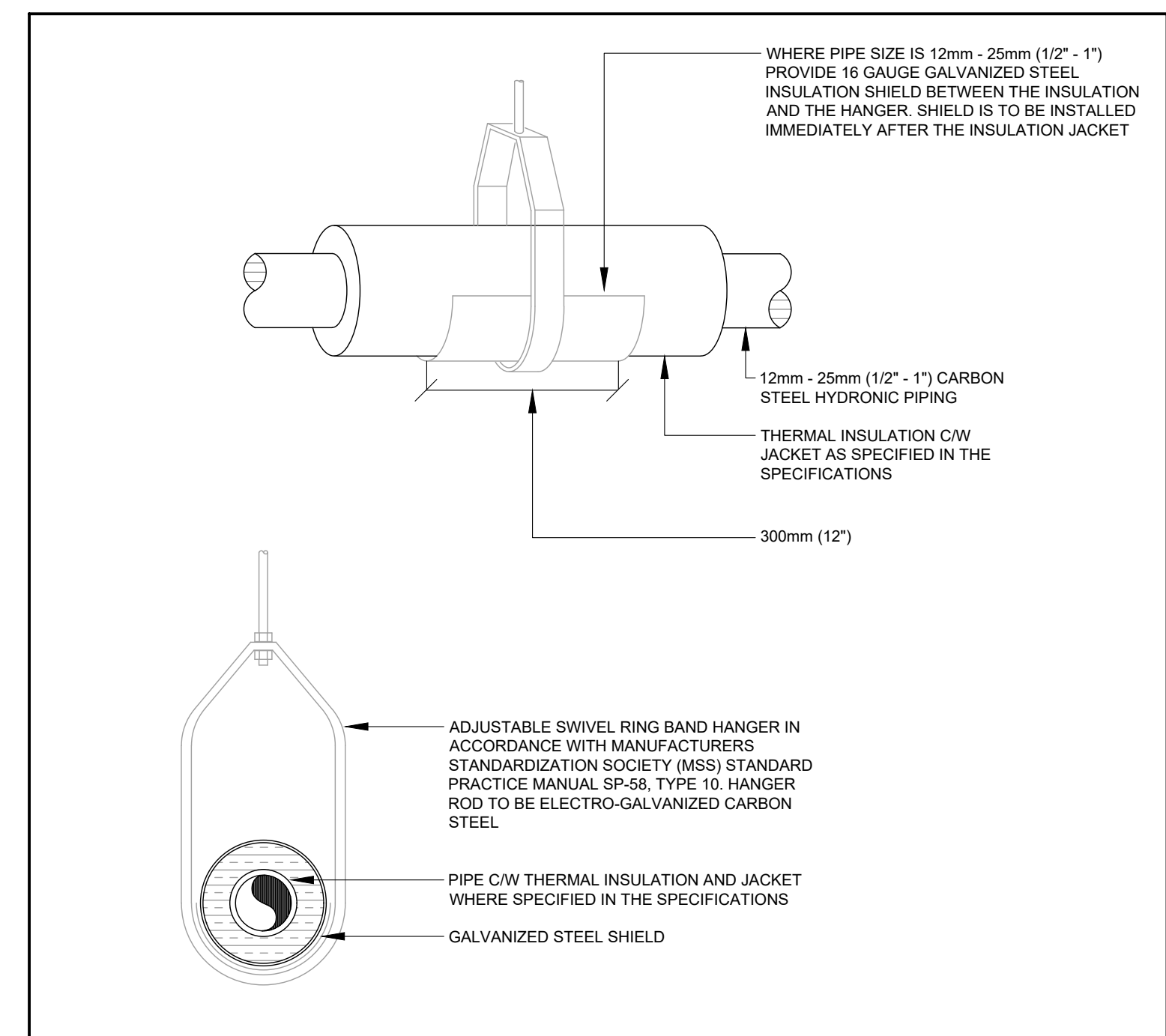
CONDENSATE DRAIN TRAP HEIGHT - OUTDOOR AIR HANDLING UNIT
 NOT TO SCALE



23 30 00.05 TRANSFER AIR DUCT
 NOT TO SCALE



20 05 00.04 PIPING HANGERS AND SUPPORTS
 NOT TO SCALE



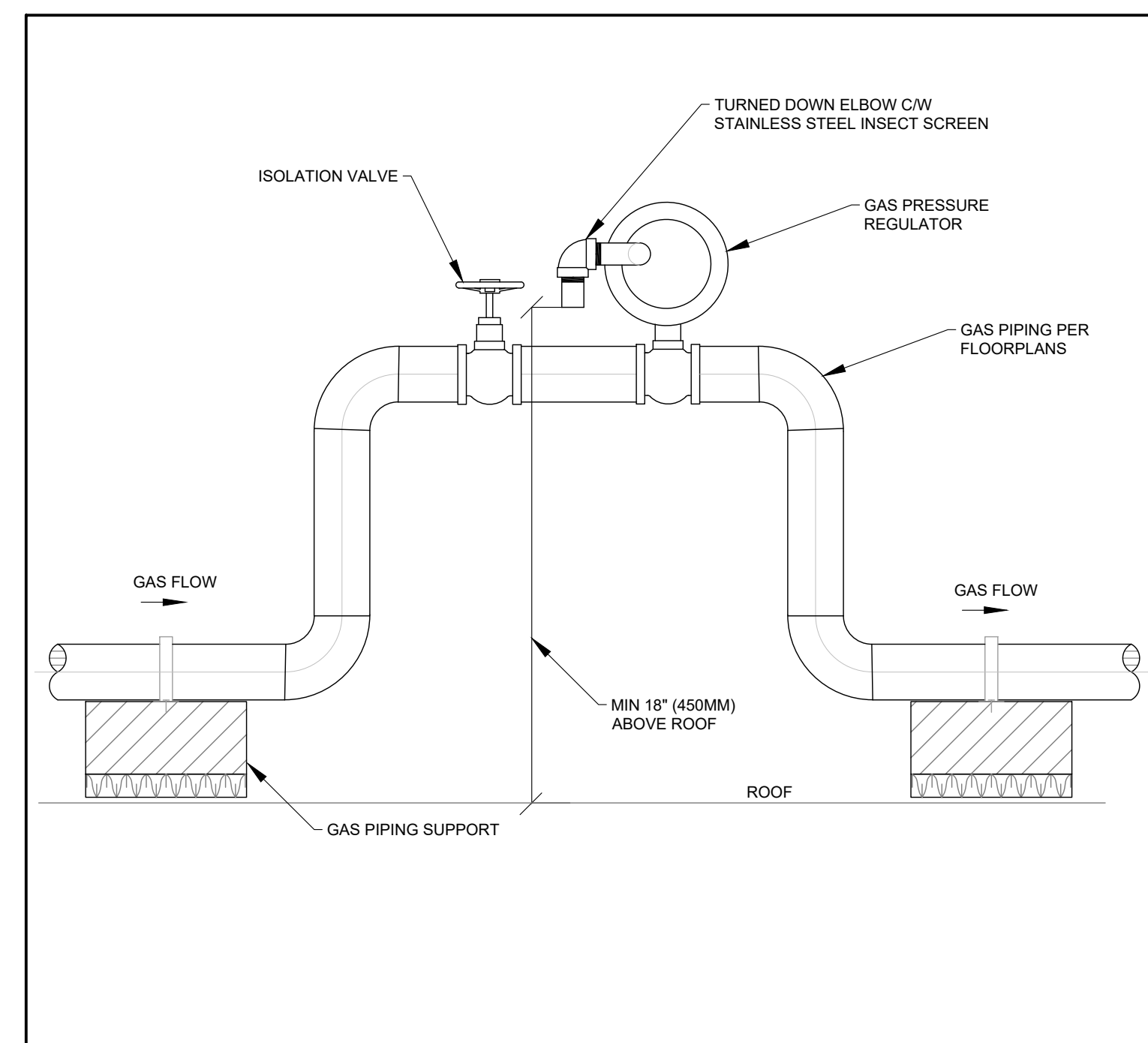
20 05 00.03 PIPING HANGERS AND SUPPORTS
 NOT TO SCALE

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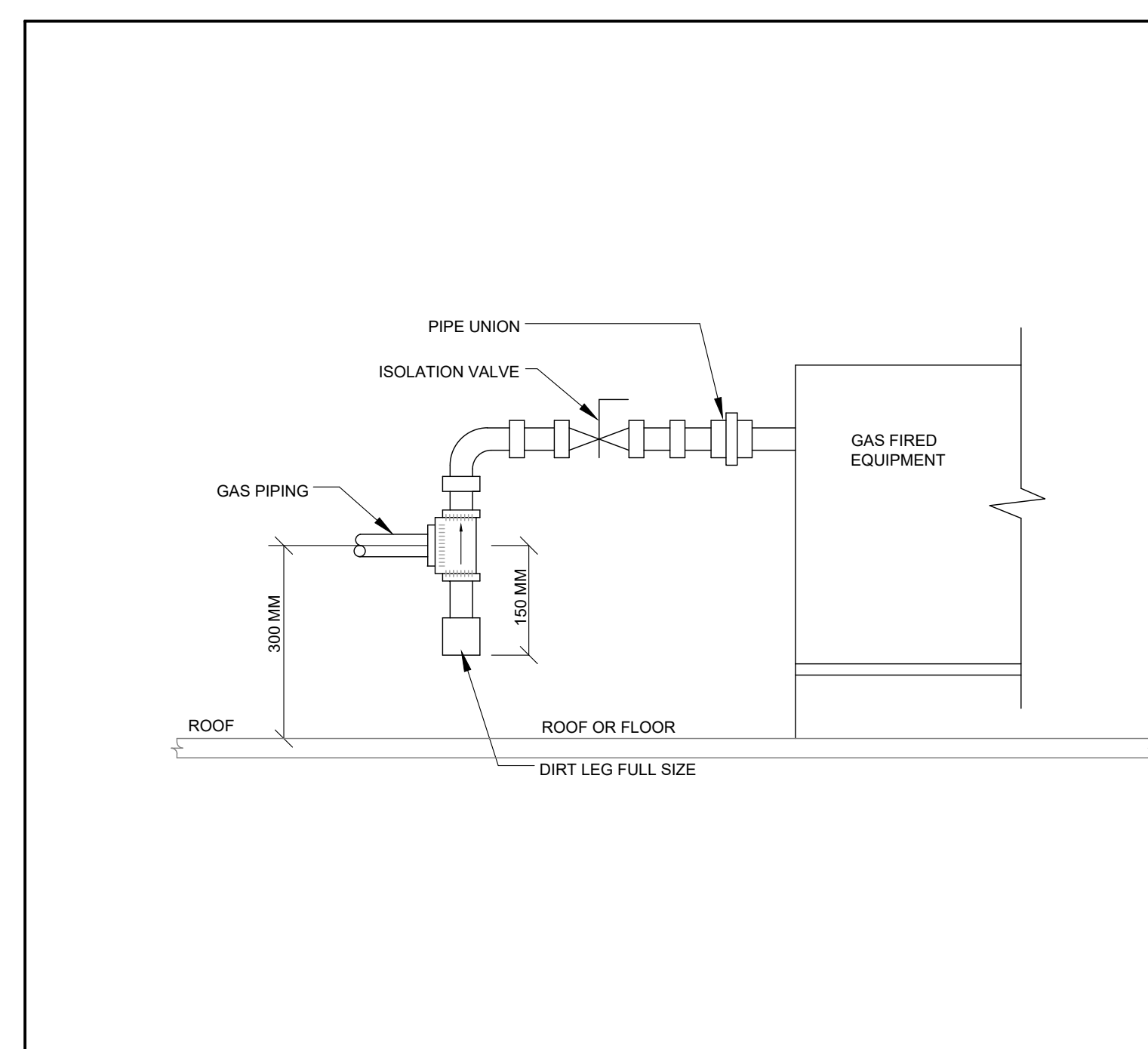
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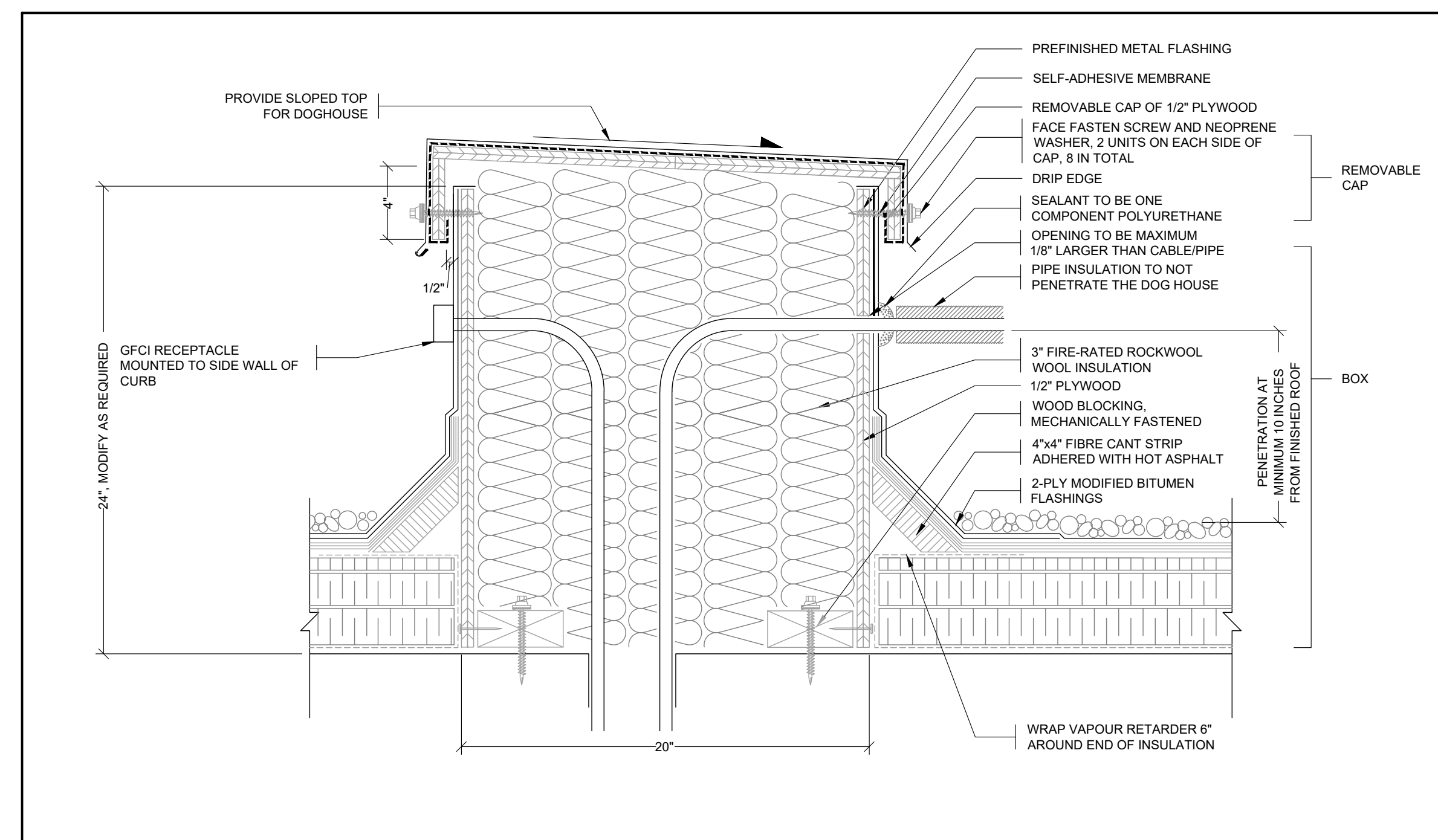
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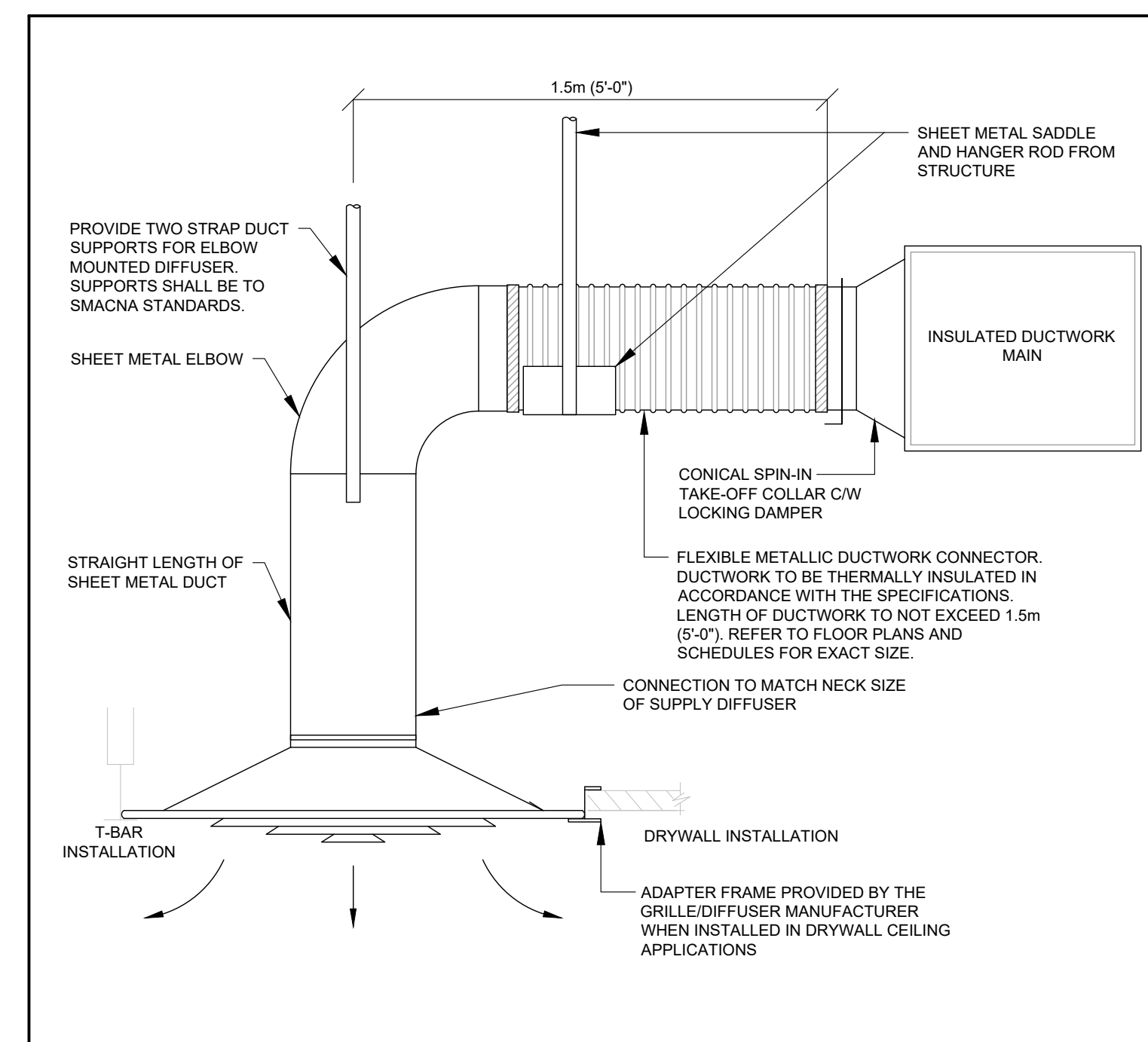
23 11 23.02 ROOF MOUNTED GAS PRESSURE REGULATOR INSTALL
 NOT TO SCALE



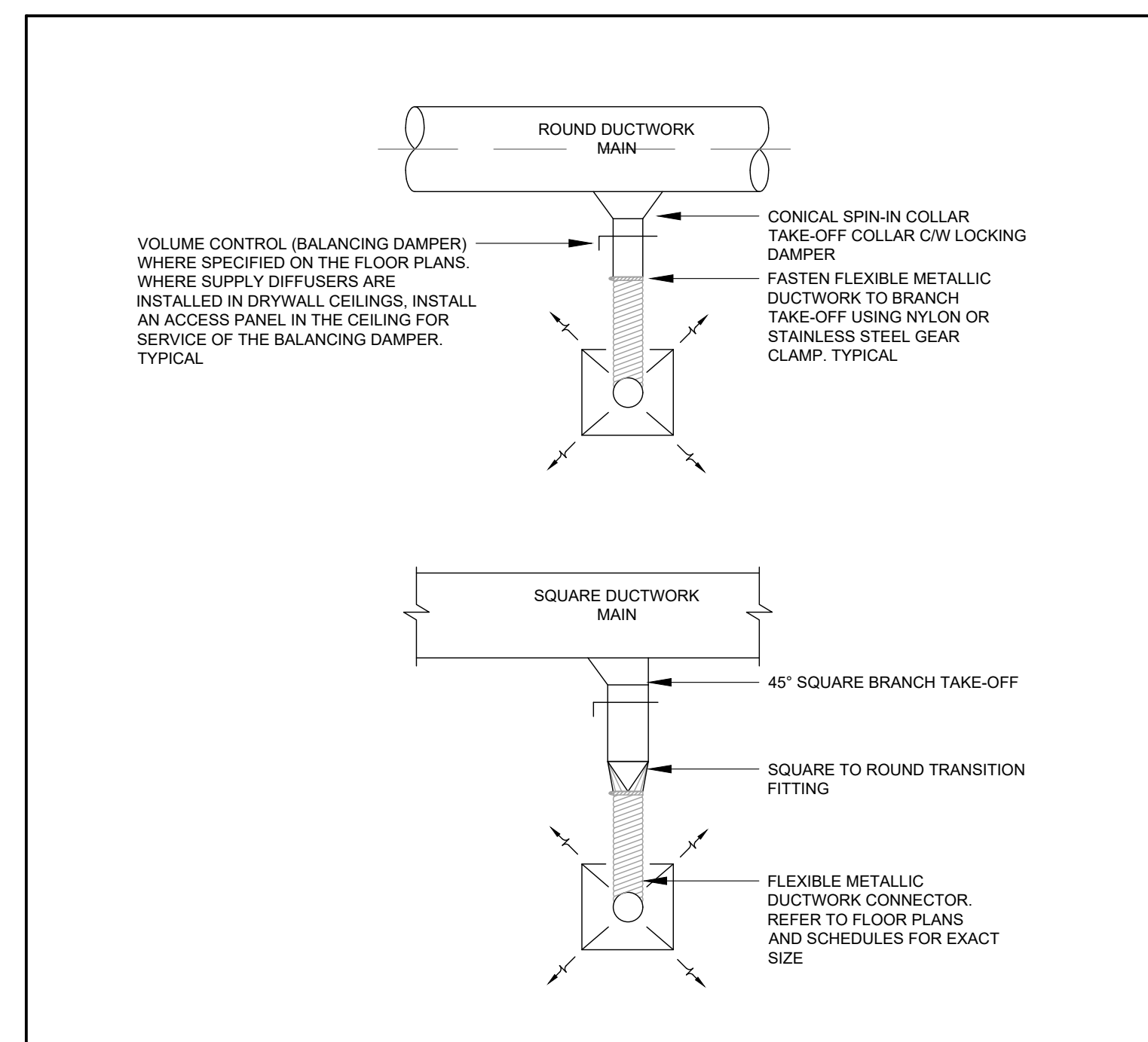
23 11 23.02 GAS CONNECTION TO EQUIPMENT
 NOT TO SCALE



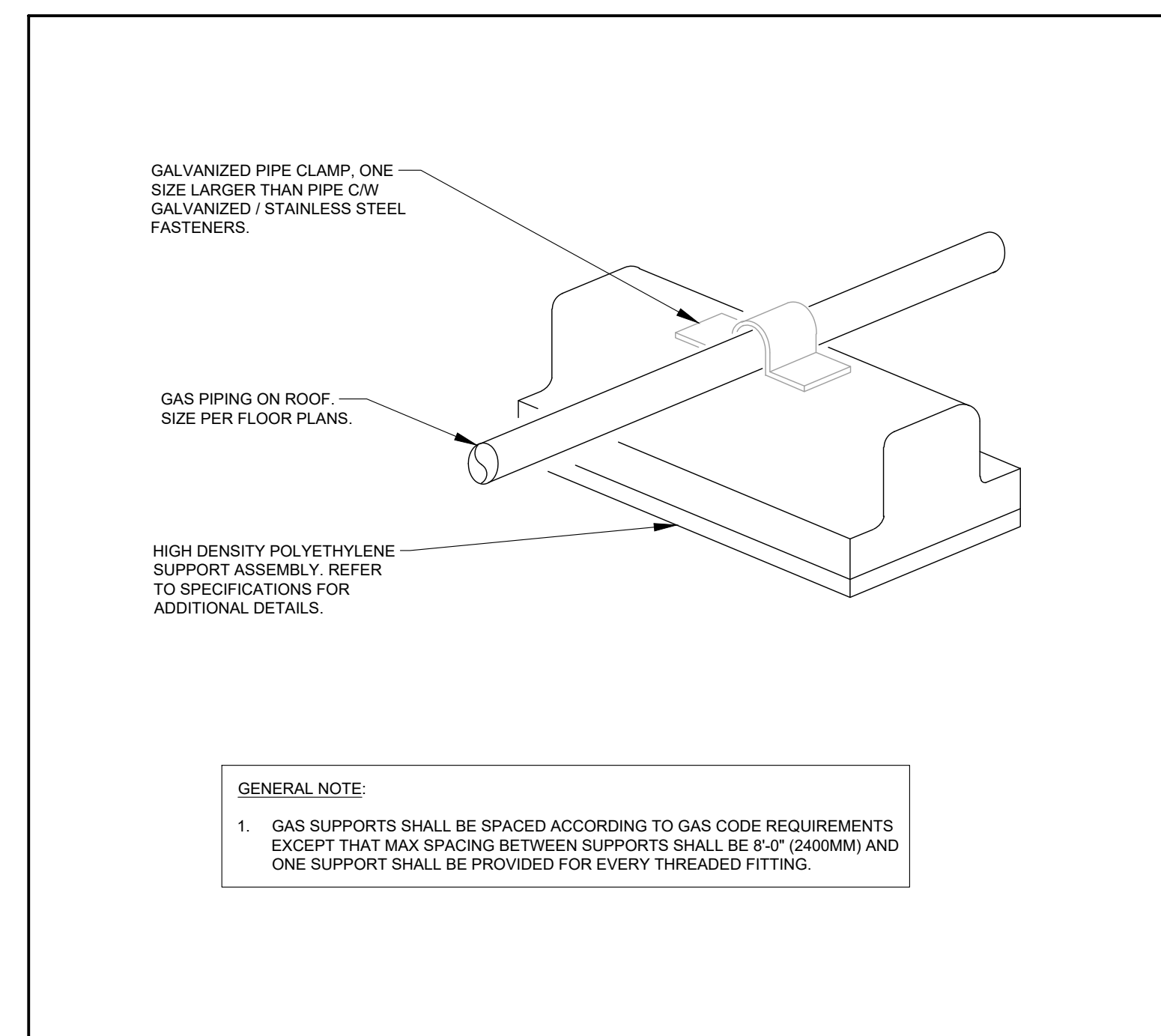
20 05 00.20 DETAIL OF PIPING DOGHOUSE
 NOT TO SCALE



23 30 09.01 FLEXIBLE METALLIC DUCTWORK
 NOT TO SCALE



23 30 09.02 FLEXIBLE METALLIC DUCTWORK CONNECTION
 NOT TO SCALE



23 11 23.01 NATURAL GAS PIPING SUPPORT ON ROOF
 NOT TO SCALE

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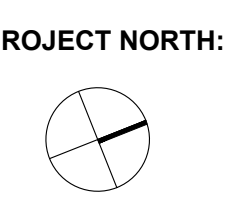
PROJECT:

Park Manor Public School - Phase 2 Renovations

DRAWING TITLE:

MECHANICAL DETAILS 3

PROJECT NO: ED-20-301
SCALE: AS SHOWN
DRAWN BY: KA
REVIEWED BY: MH



DRAWING NO:

M403

