

PLUMBING BASEMENT - NEW WORK
SCALE: 1 : 50

REVISIONS:		
NO.	DATE	PARTICULAR
1	2023-11-28	ISSUE FOR 100% DO
2	2024-05-24	ISSUED FOR PERMIT
3	2024-08-16	ISSUED FOR BUILDING
4	2024-08-26	PERMIT REVISION
5	2024-09-11	ISSUED FOR TENDER
		ADDENDUM 4

NOTES:



KEY PLAN:

CLIENT:
NEWMARKET

PROJECT:
22275

MULOCK ESTATE ADAPTIVE RE-USE

16780 Yonge Street,
Newmarket, Ontario.

ORIGINAL PAGE SIZE: ARCH E1 - 30" x 42"

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GREASE INTERCEPTOR CALCULATION

FIXTURES:

(1) SOIL TABLE AND PRE-RINSE (TWO SINKS)

SOILED TABLE VOLUME = $2 \times (28" \times 24" \times 12") = 10368$ CUBIC IN
TOTAL VOLUME = 44.9 US GAL

(2) POT SINK (THREE SINKS)

POT SINK = $1 \times (21" \times 21" \times 12") = 5292$ CUBIC IN
TOTAL VOLUME = 22.9 US GAL

(3) DISHWASHER

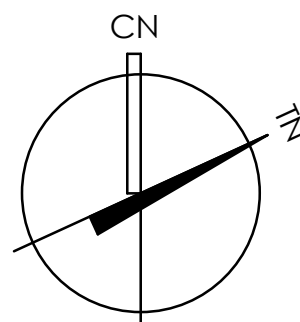
DISHWASHER DISCHARGE = 0 US GPM

INTERCEPTOR FLOW:

$Q = 0.75 \times (\text{FIXTURE VOLUME} / \text{DRAIN DOWN TIME}) + \text{DRAINPUMP FLOW}$
 $Q = 0.75(44.9 + 22.9) + 0$
 $Q = 25.4$ GPM

GENERAL NOTES

- LAYOUTS AS SHOWN ON PLANS ARE TO SHOW DESIGN INTENT. CONTRACTOR SHALL COORDINATE ROUTING AND ALL NECESSARY FITTINGS TO ACCOMMODATE SITE CONDITIONS TO MEET DESIGN INTENT.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL PIPING AND DUCTWORK WITH STRUCTURAL BEAMS AND PROVIDE SLEEVING AS NECESSARY TO MAINTAIN MINIMUM HEADROOM AS INDICATED IN ARCHITECTURAL DRAWINGS.
- MECHANICAL CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, STRUCTURAL AND INTERIOR DESIGN DRAWINGS FOR COORDINATION.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION PROVIDED IN INSTALLATION MANUAL.
- SANITARY LAVATORIES, FLOOR DRAINS, HUB DRAINS AND MOP SINKS SHALL BE INSTALLED WITH P-TRAP.
- SANITARY PIPING LESS THAN 1000 SHALL BE SLOPE 2% UNLESS OTHERWISE NOTED.
- SANITARY PIPING 1000 OR GREATER SHALL BE SLOPED 1% UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL VENT ALL SANITARY FIXTURES IN ACCORDANCE WITH OBC REGULATIONS.
- ALL PLUMBING FIXTURES PIPING CONNECTIONS TO COME WITH ISOLATION VALVES AT THE FIXTURE.



M-200

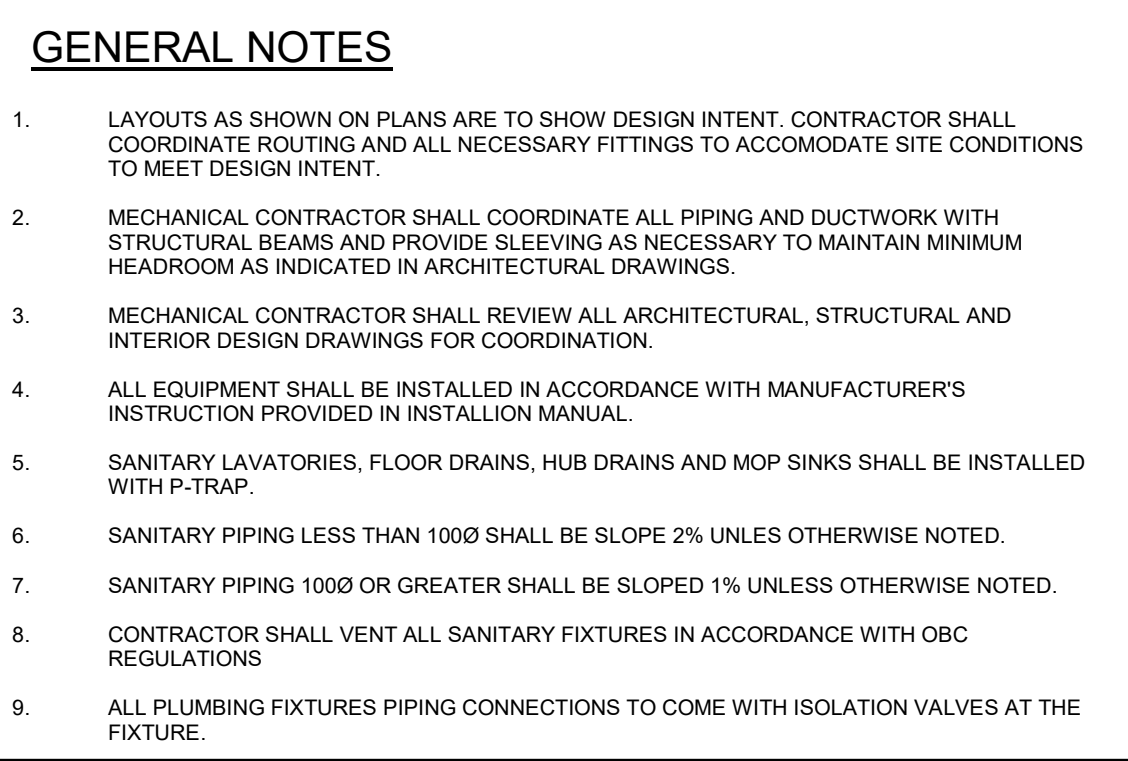
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PLUMBING - BASEMENT- NEW WORK SCALE As indicated

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All dimensions and measurements must be checked and verified by the General Contractor



NOTES:



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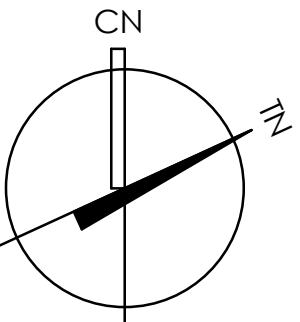
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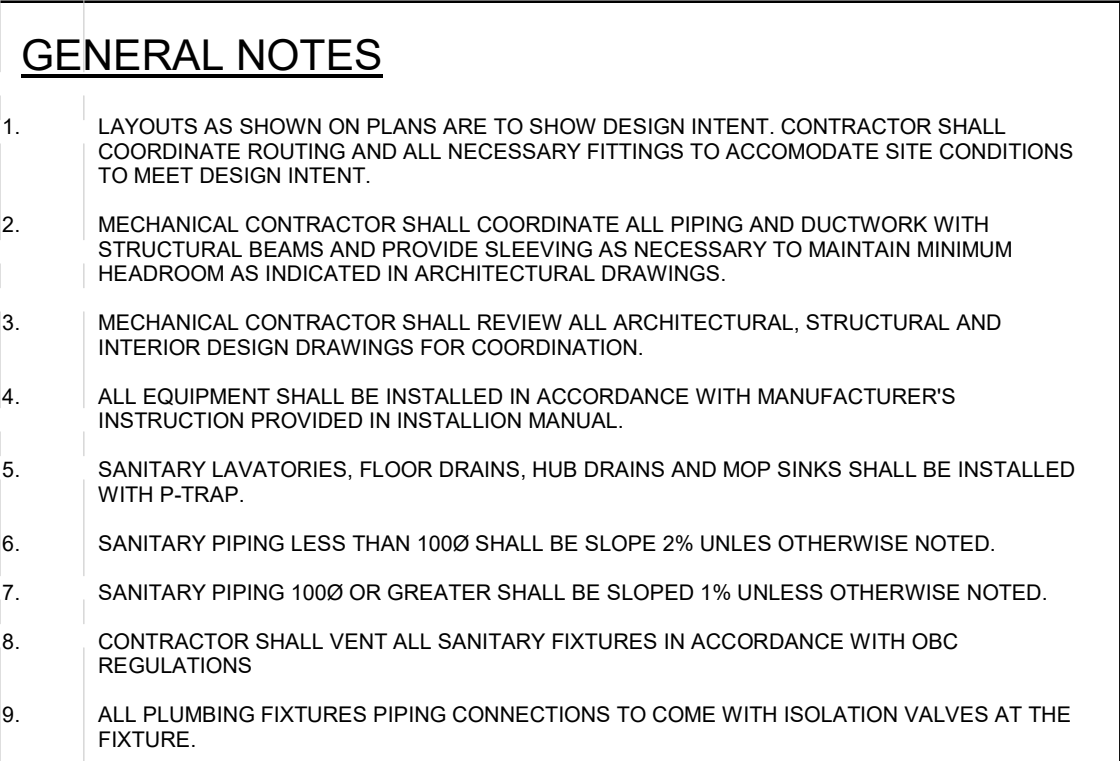
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PLUMBING - LEVEL 1 - NEW WORK **SCALE** As indicated

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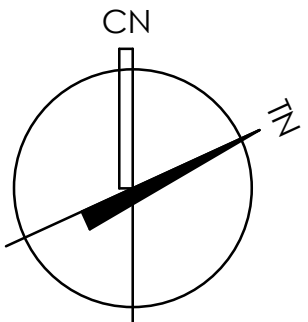
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PLUMBING - LEVEL 2 - NEW WORK	SCALE	AS
	:	indicated

SCALE: 1 : 50

1. LAYOUTS AS SHOWN ON PLANS ARE TO SHOW DESIGN INTENT. CONTRACTOR SHALL COORDINATE ROUTING AND ALL NECESSARY FITTINGS TO ACCOMMODATE SITE CONDITIONS TO MEET DESIGN INTENT.
2. MECHANICAL CONTRACTOR SHALL COORDINATE ALL PIPING AND DUCTWORK WITH STRUCTURAL, BEAMS AND PROVIDE SLOPES AS NECESSARY TO MAINTAIN MINIMUM HEADROOM AS INDICATED IN ARCHITECTURAL DRAWINGS.
3. MECHANICAL CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, STRUCTURAL, AND INTERIOR DESIGN DRAWINGS FOR COORDINATION.
4. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION PROVIDED IN INSTALLATION MANUAL.
5. SUPPLY DUCTWORK SHALL BE WRAPPED WITH 1" INSULATION IN ACCORDANCE WITH SMACNA GUIDELINES.
6. RETURN AIR DUCTWORK SHALL BE ACoustically LINED 1" AS SHOWN IN DRAWINGS.
7. ALL DUCTWORK PENETRATING AN EXTERIOR WALL SHALL BE INSULATED 3M (0FFT) FROM THE POINT OF PENETRATION.
8. MANUAL BALANCING DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES AND IN ALL BRANCHES TO INDIVIDUAL GRILLES AND DIFFUSERS.
9. ALL DUCT PENETRATIONS THROUGH FIRE-RATED CEILING SHALL BE EQUIPPED WITH A FIRE DAMPER. REFER TO MECHANICAL DETAIL.
10. ALL HUMIDIFIERS REQUIRE 1/4" WATER CONNECTION FROM NEAREST DOWNSIDE SUPPLY PIPE. COW DUAL CHECK VALVE AT INLET.
11. ALL FAN COIL UNITS SHALL DRAW CONDENSATE UPSTREAM OF NEAREST SINK P-TRAP OR TO NEAREST FLOOR DRAIN UNLESS OTHERWISE SHOWN.
12. REFER TO VRF SCHEMATICS FOR REFRIGERANT PIPING AND WIRING DIAGRAMS.

NOTES:



CLIENT:
NEWMARKET

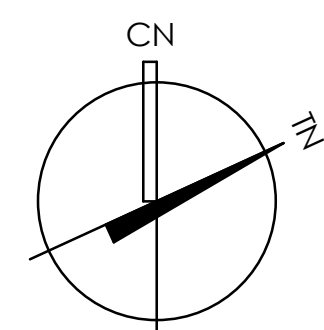
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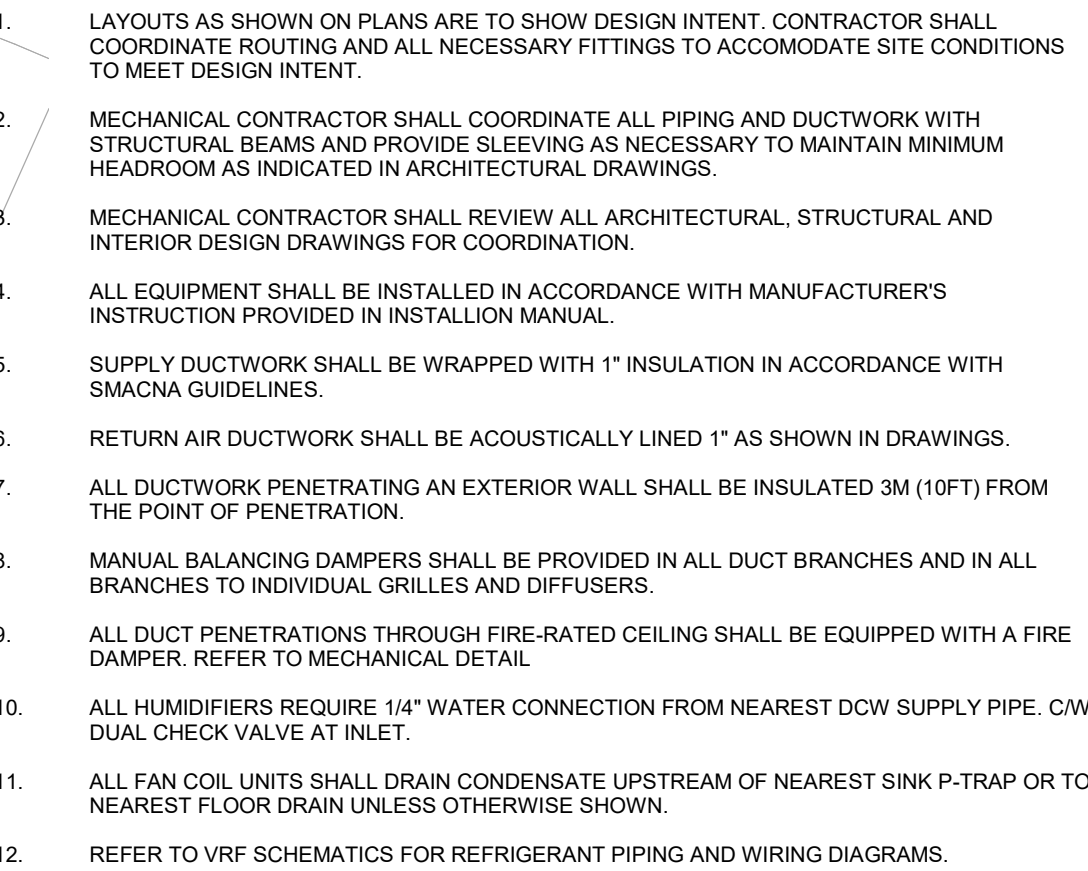


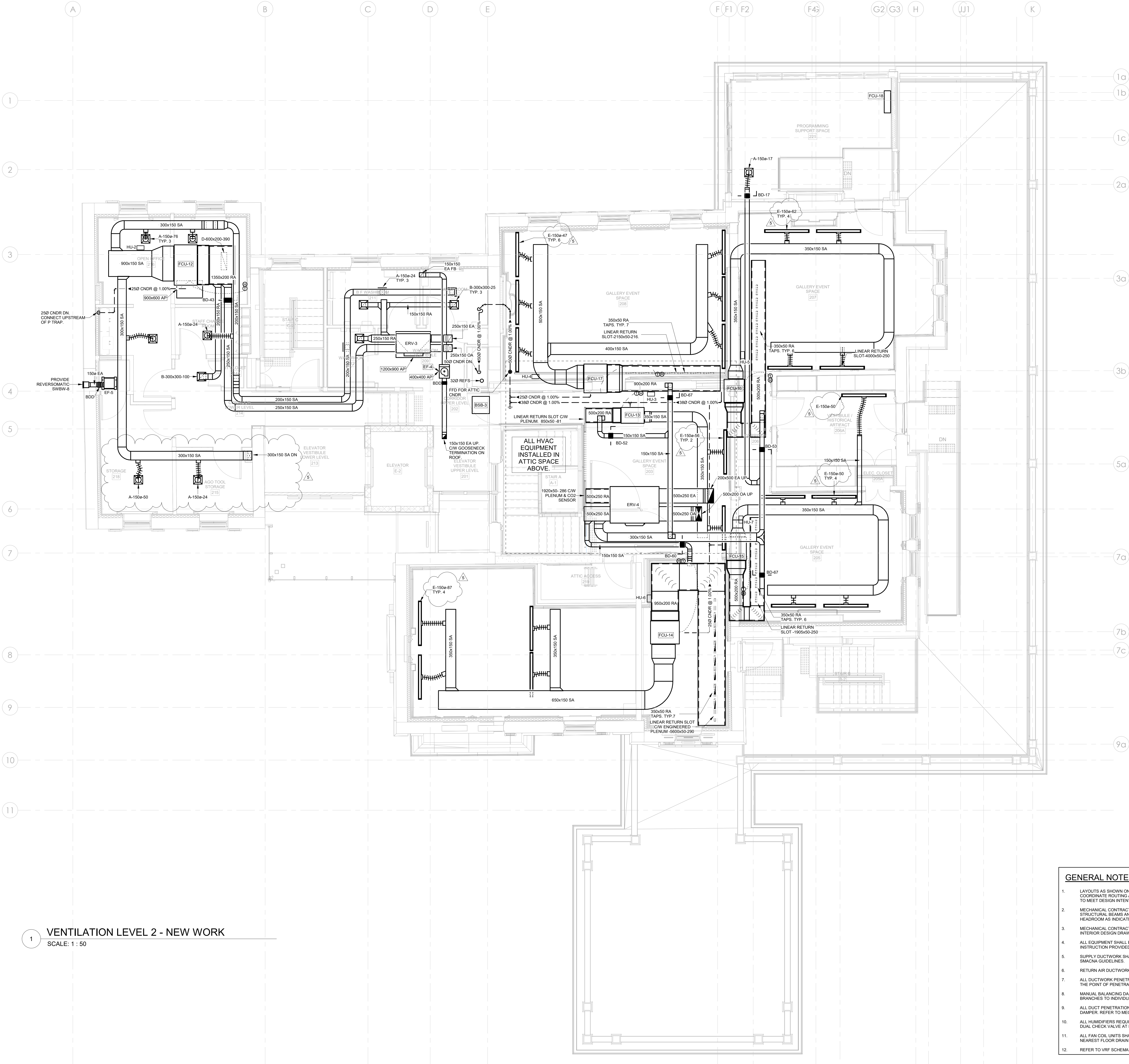
M-300

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VENTILATION - BASEMENT - NEW WORK	SCALE	As indicated
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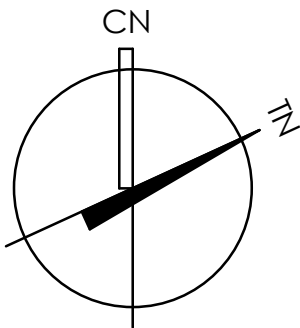
M-301



VENTILATION LEVEL 2 - NEW WORK
SCALE: 1 : 50

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- ALL DUCT PENETRATIONS THROUGH FIRE-RATED CEILING SHALL BE EQUIPPED WITH A FIRE DAMPER. REFER TO MECHANICAL DETAIL.
- ALL HUMIDIFIERS REQUIRE 1/4" WATER CONNECTION FROM NEAREST COW SUPPLY PIPE. COW DUAL CHECK VALVE AT INLET.
- ALL FAN COIL UNITS SHALL DRAIN CONDENSATE UPSTREAM OF NEAREST SINK P-TRAP OR TO NEAREST FLOOR DRAIN UNLESS OTHERWISE SHOWN.
- REFER TO VRF SCHEMATICS FOR REFRIGERANT PIPING AND WIRING DIAGRAMS.



M-302

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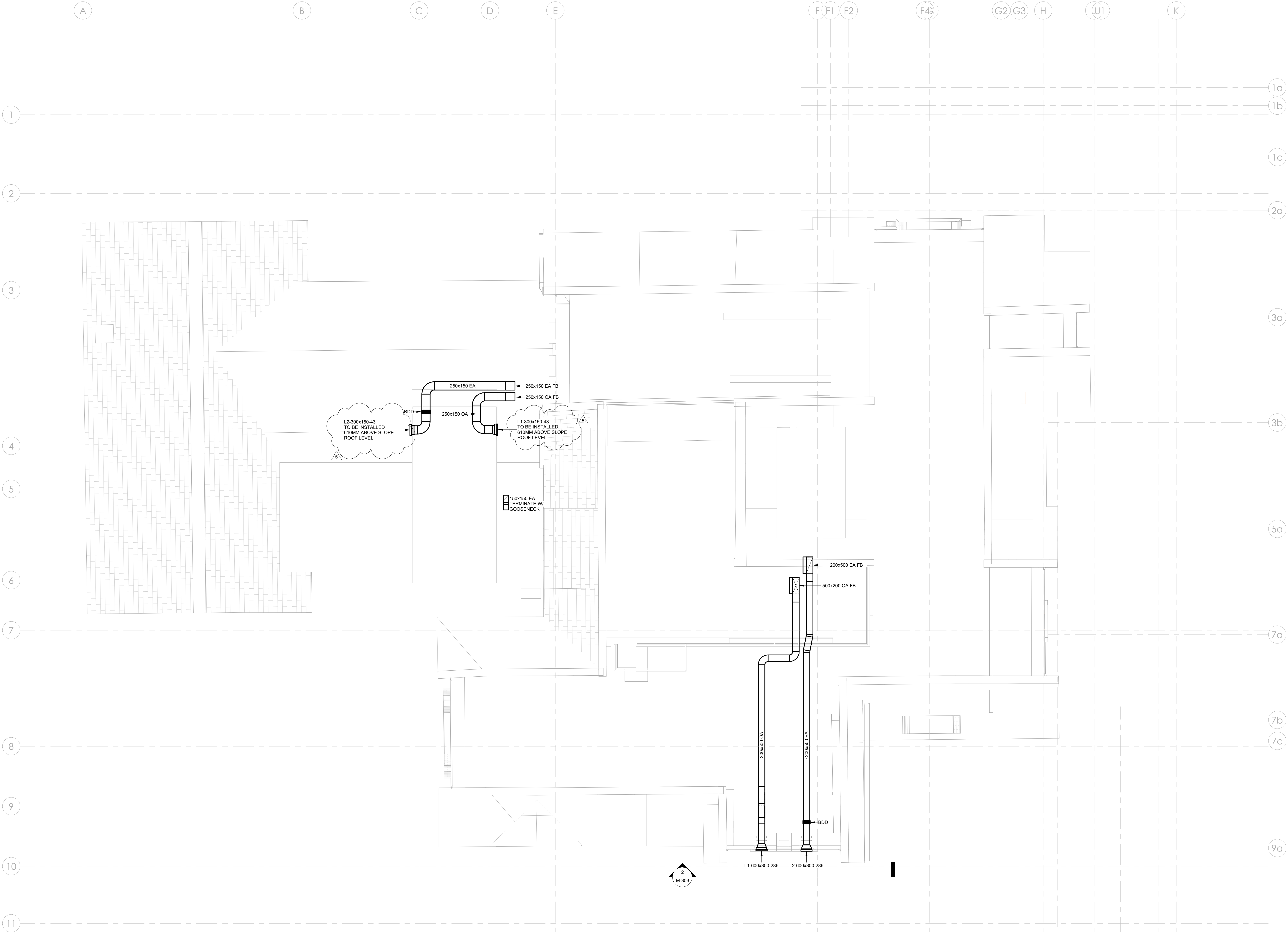
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VENTILATION - LEVEL 2 - NEW WORK SCALE AS indicated

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The General Contractor



1 VENTILATION ATTIC AND ROOF PLAN - NEW WORK
SCALE: 1 : 50

2 ATTIC LOUVRES
SCALE: 1 : 50



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- REFER TO VRF SCHEMATICS FOR REFRIGERANT PIPING AND WIRING DIAGRAMS.

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NOTES:



KEY PLAN:

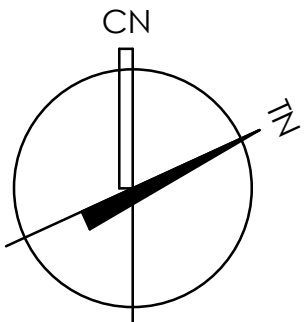
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VENTILATION - ATTIC AND ROOF SCALE AS INDICATED
PLAN - NEW WORK

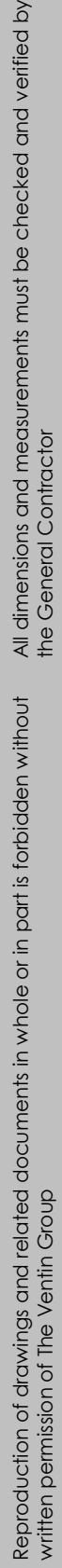
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NOTES:
1. . REFER TO SPECIFICATIONS FOR PLUMBING FIXTURES

TAG	DESCRIPTION	WASTE	REMARKS
FD	FLOOR DRAIN	100	1
FFD	FUNNEL FLOOR DRAIN	100	1
HD	HUB DRAIN	50	1
AD	AREA DRAIN	100	1
RD	ROOF DRAIN	100	1
ERD	EMERGENCY ROOF DRAIN	100	1

NOTES:
1. . REFER TO SPECIFICATIONS

TAG	LOCATION	MANUFACTURER	MODEL	QTY	TYPE	DIMENSIONS					WEIGHT (KG)
						V/PH/Hz	POWER (W)	LENGTH (MM)	HEIGHT (MM)	DEPTH (MM)	
BB-1	REFER TO PLANS	STELPRO	B03019	9	120/190	300	560	150	150	65	2

[illegible]

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MECHANICAL SCHEDULES II
SCALE

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