PLUMBING NOTES:

ASSOCIATED PLUMBING LINES AND ACCESSORIES OF EXISTING PLUMBING FIXTURES AND EQUIPMENT SHALL REMAIN AS IS. VERIFY EXACT LOCATIONS, ROUTING, AND SIZES IN THE FIELD.

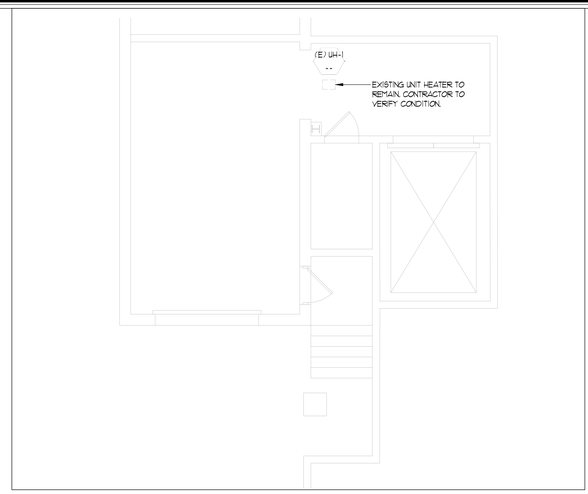
THE CONTRACTOR SHALL INSPECT THE CONDITION OF ALL EXISTING PLUMBING FIXTURES, EQUIPMENT, AND PLUMBING LINES, AND REPAIR OR REPLACE THEM AS NEEDED.

IF A REPLACEMENT OR REPAIR IS PERFORMED, THE ENTIRE SYSTEM SHALL BE PROPERLY CLEANED AND FLUSHED AFTERWARD.

MECHANICAL NOTES:

ALL EXISTING DUCTWORK TO REMAIN. CONTRACTOR TO VERIFY CONDITION. (IF EXISTING CONDITIONS AND STRUCTURE ALLOW) REFER TO CEILING PLAN FOR HEIGHT OF BOH LIGHTS - V.I.F.

MECHANICAL CONTRACTOR TO PERFORM PREVENTATIVE MAINTENANCE ON EXISTING RTUs PRIOR TO TURNOVER AND SUBMIT TO FIVE BELOW WITH BALANCE REPORTS.



2 LOADING AREA AT REAR GROUND LEVEL

LEGEND

	SQUARE CEILING SUPPLY AIR DIFFUSER 24/24
	SQUARE CEILING SUPPLY AIR DIFFUSER 12/12
	ROUND SUPPLY AIR DIFFUSER
	CEILING RETURN AIR GRILLE
T	THERMOSTAT
	WIRELESS TEMPERATURE SENSOR
	TEMPERATURE SENSOR
CO_2	CARBON DIOXIDE SENSOR
	NEW DUCTWORK
	NEW DUCTWORK WITH ACOUSTICAL LINING
	EXISTING DUCTWORK
VD	VOLUME DAMPER
VD	CABLE OPERATED VOLUME DAMPER
SAD Ø	EQUIPMENT LABEL CFM/TONNAGE
4W 12" DIA. N	DIFFUSER NECK SIZE / DIFFUSER AIRFLOW PATTERN
X/Y	X=DUCT WIDTH Y=DUCT HEIGHT
SAD	SUPPLY AIR DIFFUSER
RET	RETURN AIR GRILLE
TR	TOP REGISTER
FD	FIRE DAMPER
SD	SMOKE DAMPER
FSD	FIRE/SMOKE DAMPER
BD	BACK DRAFT DAMPER
S P	PHOTOELECTRIC SMOKE DETECTOR
(E)	EXISTING
(R)	RELOCATED
(N)	NEW
FC	FLEXIBLE CONNECTION
	FIELD CONNECTION

3 LEGEND

EXISTING BOH DUCTWORK TO REMAIN. T.G.C. TO ENSURE ALL EXISTING DUCTWORK IS IN GOOD CONDITION, CLEAN INSIDE, PATCH, SEAL, AND INSULATE AS REQUIRED.

ENSURE ALL EXISTING AIR TERMINALS ARE IN GOOD CONDITION, REPLACE WITH FB PROTOTYPICAL MODELS IF NEEDED. REFER TO SHEET M2.0.

CONNECT THE NEW AIR TERMINAL TO THE EXISTING DUCTWORK FROM THE DEMOLISHED AIR TERMINAL. ENSURE SECURE CONNECTIONS AND CONFIRM THE NEW AIR TERMINAL SIZE MATCHES THE EXISTING DUCT SIZE.

STOCK RM

SAD 300 4W Ø" DIA. N — 3-1, 3-2, 3-3, 3-4, 3-5, 3-6, 3-7, 3-8, 3-9, 3-10

VD

12" DIA. | 20" DIA. | 18" DIA. | 16" DIA. | 12" DIA.

22" DIA.

RET 12Ø 20/10

TO SDT LOCATED BOH

S P

180 MBH, 180 CFH MAXIMUM GAS VOLUME. 1-1/4" DIA GAS PIPE.

NEW SMOKE DETECTORS, TYPICAL ALL NEW UNITS

(N) AC-3 T5

UT6

2,375 CFM FULL SIZE RETURN WITH WIRE MESH SCREEN.

EXISTING FOH DUCTWORK TO REMAIN. T.G.C. TO ENSURE ALL EXISTING DUCTWORK IS IN GOOD CONDITION, CLEAN INSIDE, PATCH, SEAL, AND INSULATE AS REQUIRED.

REPLACE FOH EXISTING DIFFUSERS AND RETURN GRILLE WITH FB PROTOTYPICAL MODELS. REFER TO SHEET M2.0.

CONNECT THE NEW DIFFUSER/GRILLE TO THE EXISTING DUCTWORK FROM THE DEMOLISHED DIFFUSER/GRILLE. VERIFY DUCT CONDITION AND ENSURE SECURE CONNECTIONS. CONFIRM THE NEW DIFFUSER/GRILLE SIZE MATCHES THE EXISTING DUCT SIZE. ADJUST IF NECESSARY.

CONTRACTOR SHALL ADJUST EXISTING CEILING DIFFUSER LOCATIONS AS REQUIRED FOR NEW LIGHTING LAYOUT.

T-STAT LOCATED IN MGR OFFICE — T5 AC-3, CO_2 AC-3

NEW MECHANICAL SENSORS, TYPICAL ALL NEW UNITS

T-STAT LOCATED IN MGR OFFICE — T5 AC-2, CO_2 AC-2

EXISTING MECHANICAL SENSORS TO REMAIN. CONTRACTOR TO VERIFY CONDITION AND LOCATION, TYPICAL ALL EXISTING UNITS

T-STAT LOCATED IN MGR OFFICE — T5 AC-1, CO_2 AC-1

SALES FLOOR

TO SDT LOCATED BOH

S P

(E) EF-2

T-STAT LOCATED IN MGR OFFICE — T5 AC-4, CO_2 AC-4

TIE-IN TO EXISTING 2-1/2" GAS SUPPLY PIPE. CONTRACTOR TO VERIFY THE POINT OF CONNECTION, UPSIZE EXISTING GAS METER IF CAPACITY IS LESS THAN 1210CFH.

STORAGE RM

EXISTING TO REMAIN BUILDING DUCT SYSTEM

EWH(E), EXISTING WATER HEATER TO REMAIN

MS(E), CONTRACTOR TO VERIFY CONDITION OF EXISTING MOP SINK. IF DAMAGED REPLACE WITH NEW.

SDT 1-4

SDT TO BE INSTALLED ON THE PLYWOOD.

EXISTING TO REMAIN BUILDING DUCT SYSTEM — EXISTING TO REMAIN BUILDING DUCT SYSTEM — UT6 — (E) AC-2 T5

EXISTING TO REMAIN BUILDING DUCT SYSTEM — UT6 — (E) AC-1 T5

EXISTING SMOKE DETECTORS TO REMAIN. CONTRACTOR TO VERIFY CONDITION AND LOCATION, TYPICAL ALL EXISTING UNITS

PROVIDE WIRED DUCT TEMP. SENSOR - SITEBAGE SYSTEM (SUPPLIED AND INSTALLED BY T.G.C.) TYPICAL ALL UNITS

PROVIDE GAS SHUT-OFF VALVE AND DIRT LEG, TYP. ALL UNITS

EXISTING GAS PIPING TO REMAIN. CONTRACTOR TO VERIFY CONDITION.

BREAK RM

MGR OFFICE

SAD .. 4W — 2-1, 2-2

REPLACE RESTROOMS, OFFICE AND BREAK ROOMS EXISTING DIFFUSERS WITH FB PROTOTYPICAL MODEL. REFER TO SHEET M2.0. CONNECT THE NEW DIFFUSER TO THE EXISTING DUCTWORK FROM THE DEMOLISHED DIFFUSER/GRILLE. VERIFY DUCT CONDITION AND ENSURE SECURE CONNECTIONS. CONFIRM THE NEW DIFFUSER SIZE MATCHES THE EXISTING DUCT SIZE. ADJUST IF NECESSARY. (TYP. 4)

WIRE/CONNECT T-STAT TO EACH RTU (4) — AC-1, AC-2, AC-3, AC-4

T — EXISTING THERMOSTAT. CONTRACTOR TO VERIFY CONDITION AND LOCATION. PROVIDE ONE (1) NEW THERMOSTAT FOR NEW RTU.

RESTROOM — EAG .. — E1-1 — SAD .. 4W — 2-3

WC(E), EXISTING WATER CLOSET TO REMAIN (TYP. 3)

UR(E), EXISTING URINAL TO REMAIN

LAV(E), EXISTING LAVATORY TO REMAIN (TYP. 2)

EWC(E), EXISTING DRINKING FOUNTAIN TO REMAIN

RESTROOM — EAG .. — E1-2 — SAD .. 4W — 2-4

REPLACE EXISTING EXHAUST AIR GRILLE WITH FB PROTOTYPICAL MODEL. REFER TO SHEET M2.0. CONNECT THE NEW EXHAUST AIR GRILLE TO THE EXISTING DUCTWORK FROM THE DEMOLISHED EXHAUST AIR GRILLE. VERIFY DUCT CONDITION AND ENSURE SECURE CONNECTIONS. CONFIRM THE NEW EXHAUST AIR GRILLE SIZE MATCHES THE EXISTING DUCT SIZE. ADJUST IF NECESSARY. (TYP. 2)

(E) EF-3 .. — (E) EF-4 .. — (E) EF-5 ..

EXISTING EXHAUST DUCT TO REMAIN — (E) EF-1 ..

EXISTING TO REMAIN BUILDING DUCT SYSTEM

(N) AC-4 T5

N.I.C.

1 MECHANICAL & PLUMBING PLAN

SCALE: 3/16" = 1'-0"

TAD
TRICARICO ARCHITECTURE AND DESIGN PC
502 VALLEY ROAD, WAYNE, NJ 07470
T:973-692-0222 F:973-692-0223
TRICARICO.COM

THE GENERAL CONTRACTOR AND/OR ALL SUB-CONTRACTORS WORKING FROM THESE PLANS AND SPECIFICATIONS ARE NOT TO SCALE SUCH INFORMATION BUT TO CONTACT THE ARCHITECT OR HIS REPRESENTATIVE REGARDING MEASUREMENTS, IF SUCH MEASUREMENTS DO NOT APPEAR CORRECT, ADD UP PROPERLY OR SCALE CORRECTLY TO THE INDICATED SIZE.

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Firm #05046

ENGINEER OF RECORD SEAL

LIPPE 58822 REGISTERED PROFESSIONAL ENGINEER 05/09/2025

FIRM REGISTRATION NO.

DATE	ISSUE
04/16/25	CLIENT
05/09/25	LL, CLIENT, & PERMIT

△ DATE	REVISION

PROJECT NAME / LOCATION

five BELOW

WESTERN HILLS
CINCINNATI, OH 45238

PROJECT INFORMATION

DATE: APRIL 16, 2025
PROJECT NO. 250173
DELIVERY TYPE: AS-IS

DRAWN BY: JM
REVIEWED BY: PC

TITLE

MECHANICAL & PLUMBING PLAN

SHEET NUMBER

MP1.0