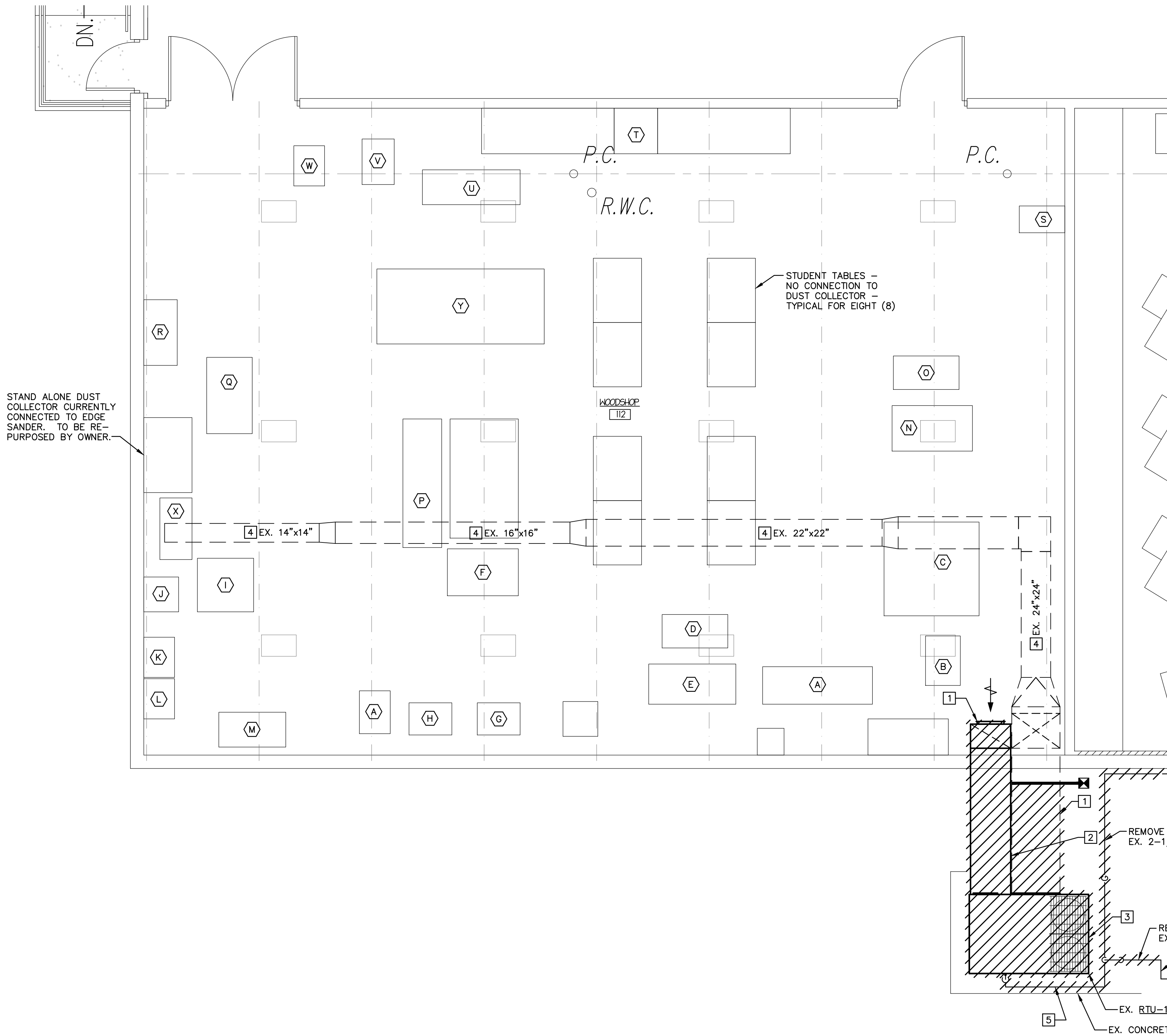


May 01, 2025 - 10:27am T:\Projects\2024\24-141 - ACH Makers Space Dust Collection and Weld Fume Extraction Systems\WOOD SHOP\Drawings\24-141 - H3.dwg



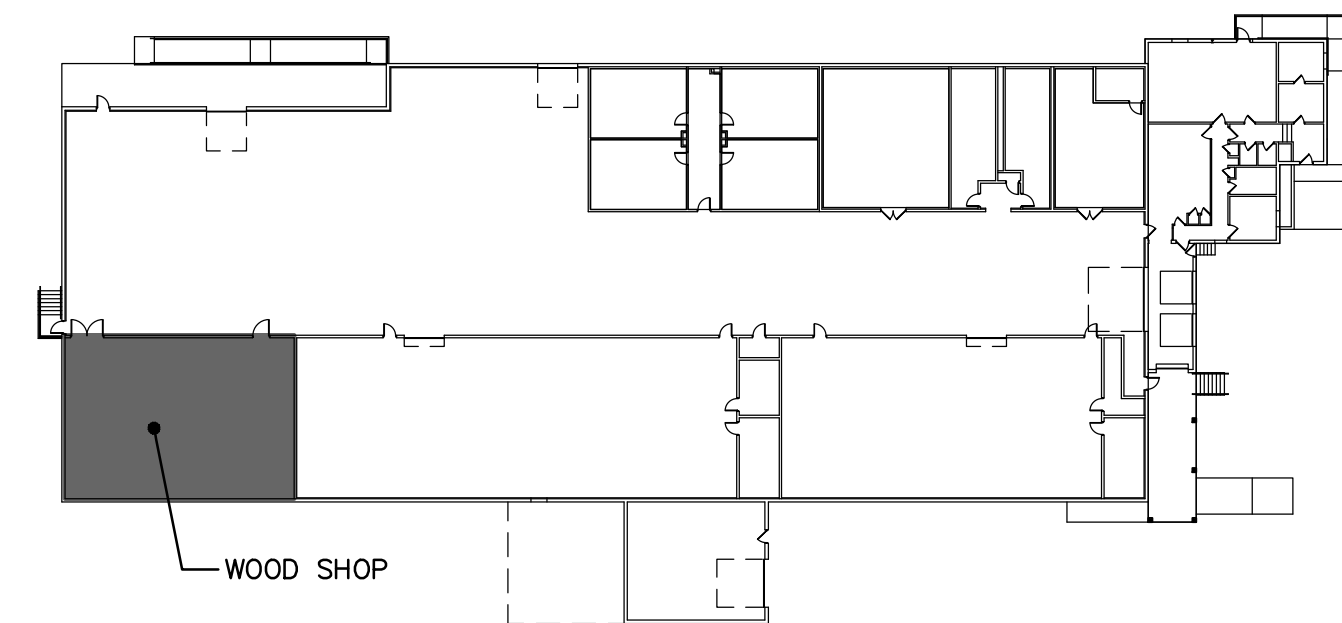
PARTIAL FLOOR PLAN - WOOD SHOP - HVAC DEMOLITION
SCALE: 1/4" = 1'-0"

EXISTING WOOD WORKING EQUIPMENT SCHEDULE							
TAG	EQUIPMENT TYPE	MODEL BRAND	MODEL NUMBER / SERIAL NUMBER	CONNECTION SIZE	EQUIPMENT DESIGN AIR FLOW	CAPTURE HOOD DESIGN AREA (in ²)	NOTES
A	LATHE	HARVEY	T60S	F/S	880 CFM	28	ACGIH VS-95-15
B	BAND SAW	HARVEY	HW615P	4"Ø	400 CFM	13	MANUFACTURER'S INSTALL MANUAL - PAGE 9
C	CNC ROUTER	AXIOM	AUTO ROUTE 16 ELITE	5"Ø	600 CFM	19	ACGIH VS-95-07
D	LATHE	CENTRAL MACHINERY	6534S	F/S	880 CFM	28	ACGIH VS-95-15
E	LATHE	POWERMATIC	4244	F/S	880 CFM	28	ACGIH VS-95-15
F	TABLE SAW	CRAFTSMAN	152.220140	4"Ø	400 CFM	13	ACGIH VS-95-02
G	ROUTER W/ TABLE	ROCKLER	12310	5"Ø	600 CFM	19	TABLE 13-95-1
H	ROUTER W/ TABLE	ROCKLER	12310	5"Ø	600 CFM	19	TABLE 13-95-1
I	DRUM SANDER	POWERMATIC	PM2244	4"Ø	400 CFM	13	ACGIH VS-95-10 (375 in ²)
J	OSCILLATING SANDER	GRIZZLY	G1071	N/A	N/A	N/A	PERMANENTLY CONNECTED TO SELF CONTAINED COLLECTOR
K	BELT/DISK SANDER	PORTER CABLE	PCB4205A	4"Ø	400 CFM	13	TABLE 13-95-1
L	BELT/DISK SANDER	PORTER CABLE	PCB3205A	4"Ø	400 CFM	13	TABLE 13-95-1
M	LATHE	JET	QSB-1	F/S	880 CFM	28	ACGIH VS-95-15
N	CNC	FOREST FABBOT ATC	ATC41	N/A	N/A		ENCLOSED ROUTER TABLE - NO CONTAINED COLLECTOR
O	LATHE	DELTA	LA200	F/S	880 CFM	28	ACGIH VS-95-15
P	TABLE SAW	SAWSTOP	PSC31230	(2) 4"Ø	2x 400 CFM	13 EA/	ACGIH VS-95-02
Q	PLANER	POWERMATIC	209HH-1	5"Ø	600 CFM	19	TABLE 13-95-1
R	LATHE	CENTRAL MACHINERY	6534S	F/S	880 CFM	28	ACGIH VS-95-15
S	SCROLL SAW	PORTER CABLE	PCB370SS	F/S	NO RECOMMENDATIONS		USE FLEXIBLE ARM
T	MITER SAW	DEWALT	DWS779	VACUUM	200 CFM (ESTIMATE)	6.5	PROVIDE DUST COLLECTOR ATTACHMENT
U	JOINTER	POWERMATIC	60C	4"Ø	400 CFM	13	ACGIH VS-95-20 (8")
V	BAND SAW	RIKON	#10-326	4"Ø	400 CFM	13	MANUFACTURER RECOMMENDED AIRFLOW (PER VIDEO)
W	BAND SAW	DELTA	28-190	4"Ø	400 CFM	13	BASED ON RIKON BANDSAW VIDEO
X	OSCILLATING EDGE SANDER	DELTA	31482	4"Ø	400 CFM	13	ACGIH VS-95-14
Y	ROUTER BED TABLE	FIELD FAB.	N/A	(2) 4"Ø	2 @ 400 CFM	13 EA/	N/A

NOTES FOR OWNER CONNECTION OF EXISTING EQUIPMENT TO NEW DUST COLLECTOR SYSTEM:
1. CAPTURE HOOD IS TO BE CONSTRUCTED OF NON-COMBUSTIBLE MATERIAL - GALVANIZED SHEET STEEL IS RECOMMENDED.
2. PROVIDE CAPTURE HOOD DESIGN TO MEET NEEDS OF THE EQUIPMENT AND USER WITH OPENING AREA PER SCHEDULE ABOVE.
3. WHERE FLEXIBLE HOSE IS USED TO CONNECT THE EQUIPMENT TO THE DUST COLLECTION SYSTEM - PROVIDE STATIC DISSIPATIVE HOSE AND GROUND.
4. MINIMIZE LENGTH OF FLEXIBLE HOSE AND PROVIDE AS STRAIGHT AS POSSIBLE.
5. OWNER IS RESPONSIBLE TO REVIEW THE NEW DUST COLLECTOR DUCT DRAWING AND REQUEST ANY MINOR RELOCATIONS OF THE DUCT DROPS TO ACCOMMODATE CONNECTION TO THE EQUIPMENT.

SPECIFIC NOTES - HVAC DEMOLITION (APPLY TO THIS DRAWING ONLY)

- DEMOLISH AND REMOVE ALL EXISTING RETURN AIR DUCTWORK INCLUDING THE EXISTING FILTERS, INTAKE GRILLES, DUCT, SUPPORTS AND HANGERS. PATCH WALL TO MATCH EXISTING WALL CONSTRUCTION AND FINISHES.
- DEMOLISH AND REMOVE ALL EXISTING SUPPLY AIR DUCT FROM EXISTING RTU-1 TO POINT OF DISCONNECT AT EXTERIOR WALL. PREPARE DUCT FOR RECONNECTION TO NEW SUPPLY AIR DUCT FROM DQAU-1 UNIT AS SHOWN ON DRAWING H-4.
- DISCONNECT AND REMOVE EXISTING RTU-1 AND TURN OVER TO OWNER FOR REUSE. PREPARE CONCRETE PAD FOR INSTALLATION OF NEW DQAU-1 UNIT PER DRAWING H-4, E.C. TO DISCONNECT POWER AND P.C. TO DISCONNECT NATURAL GAS PRIOR TO REMOVAL.
- EXISTING DUCTWORK TO REMAIN AND BE REUSED.
- DISCONNECT AND REMOVE SECTION OF EXISTING 1-1/4" GAS LINE.



KEY PLAN
NOT TO SCALE

PROFESSIONAL CERTIFICATION	
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 49279, EXPIRATION DATE: 05-12-2026	
CHRISTOPHER G. ALBRIGHT	DATE 05-01-2025



PARTIAL FLOOR PLAN - HVAC DEMOLITION

DUST COLLECTION & WELD FUME EXTRACTION
WOOD SHOP & WELDING AREA

FOR
ALLEGANY COLLEGE, LAVALLE BUILDING
37 LANE AVENUE, LAVALLE, MARYLAND 21502



BRETT N. YONISH, P.E.
CHRISTOPHER G. ALBRIGHT, P.E.

541 MAIN STREET
WINDBER, PA 15963
(814) 467-6877

REVISIONS		
MARK	BY	DATE

DATE: 5/01/2025	DRAWING NO. H-3
DRAWN BY: S.M.M.	
CHECKED BY: C.G.A.	
PROJECT NO. 24-141	