

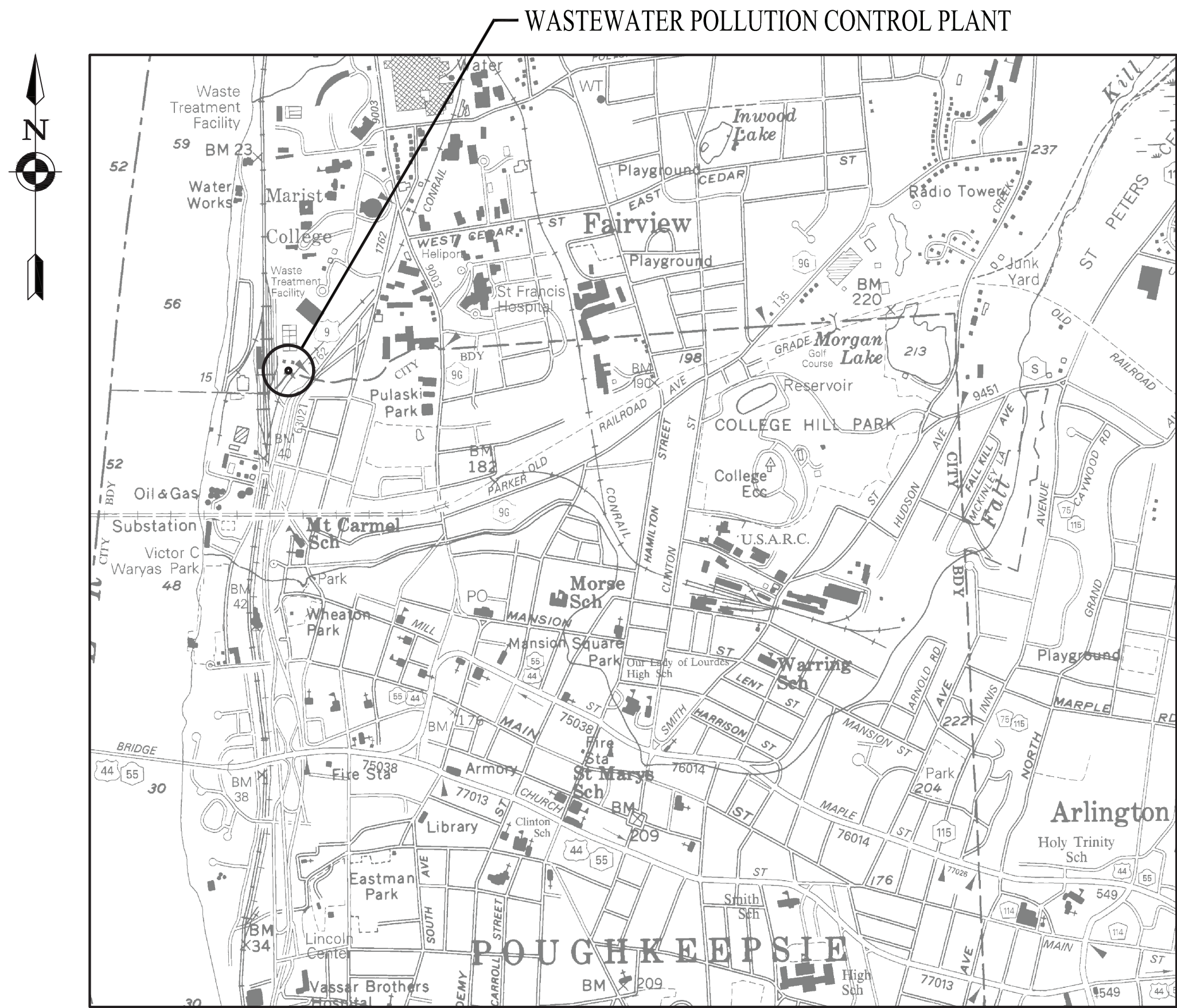
CITY OF POUGHKEEPSIE  
ENGINEERING DEPARTMENT

ADMINISTRATION BUILDING RTU REPLACEMENT

MARCH 25, 2020

WATER POLLUTION CONTROL PLANT

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK STATE



LOCATION MAP  
NOT TO SCALE

DRAWING INDEX:

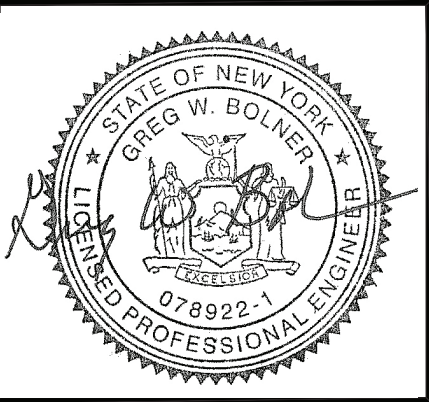
- GENERAL:  
WPCP G001 TITLE SHEET
- HVAC:  
WPCP H-200 HVAC ROOF PLAN - DEMOLITION, NEW WORK, DETAILS, & SCHEDULES  
WPCP H-201 HVAC FIRST FLOOR PLAN - DEMOLITION, NEW WORK, & SCHEDULES



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REVISIONS		DATE	BY	DESCRIPTION
NO.	1	03/05/2019	RT	ISSUED FOR EFC REVIEW
	2	03/25/2020	RT	ISSUED FOR BID



CITY OF POUGHKEEPSIE  
ENGINEERING DEPARTMENT

WATER POLLUTION CONTROL PLANT  
IMPROVEMENTS

CITY OF POUGHKEEPSIE, NEW YORK

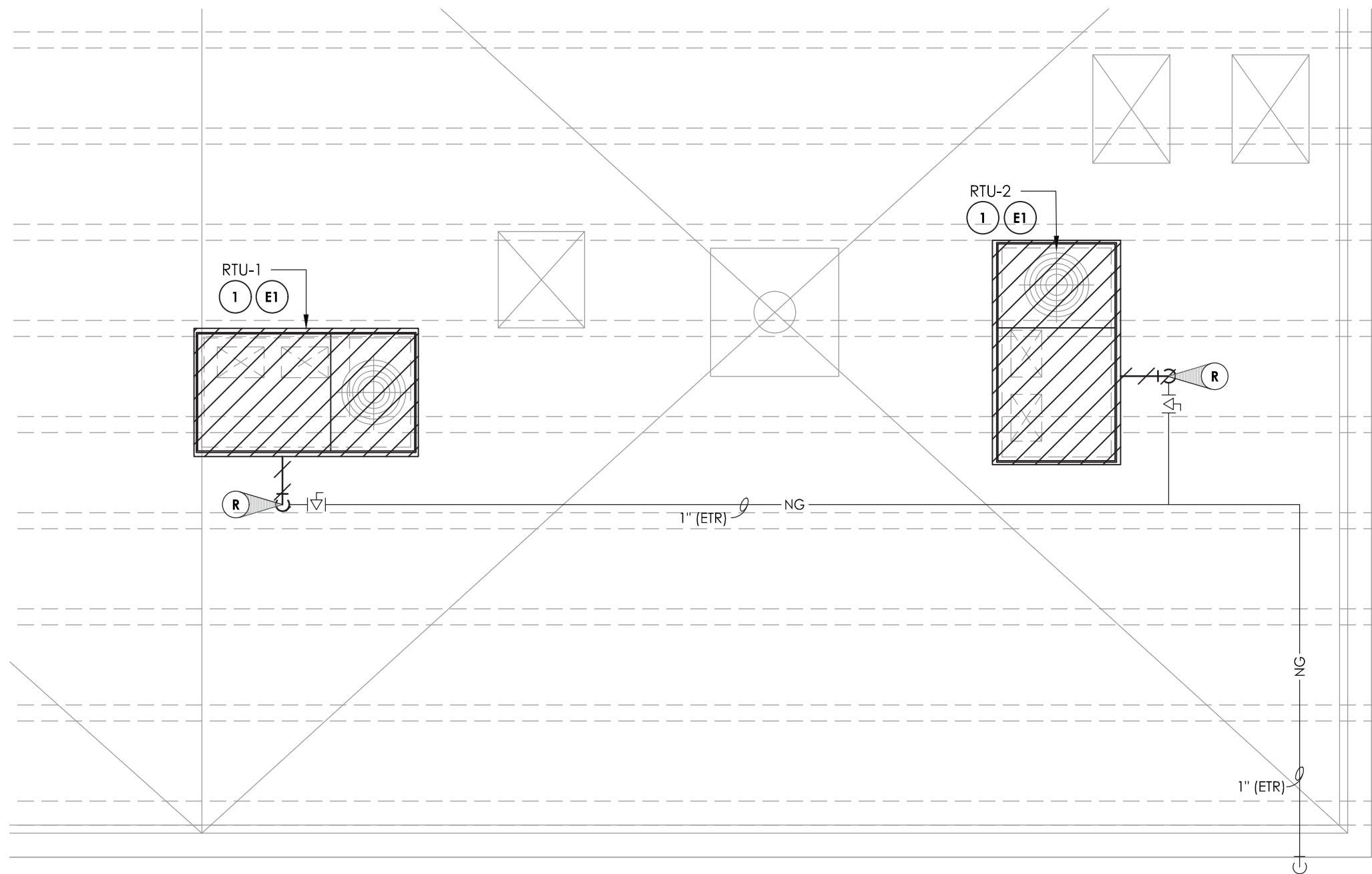
DATE	DRAWN	CHECKED
3/01/2019	MD	RJT
SCALE	NTS	
SHEET TITLE	TITLE SHEET	

PROJECT NUMBER  
12422.06

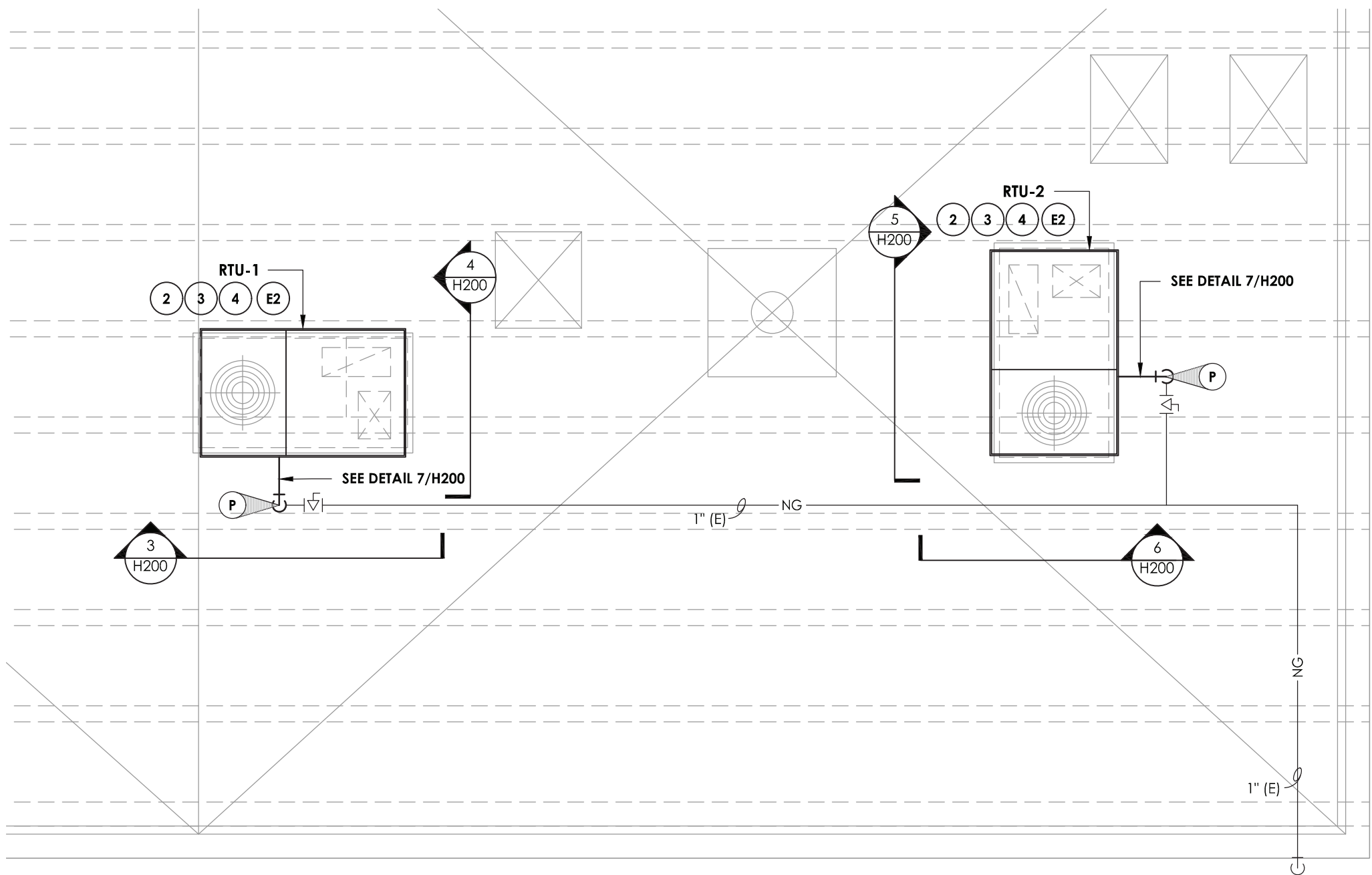
**WPCP  
G001**

DRAWING NUMBER

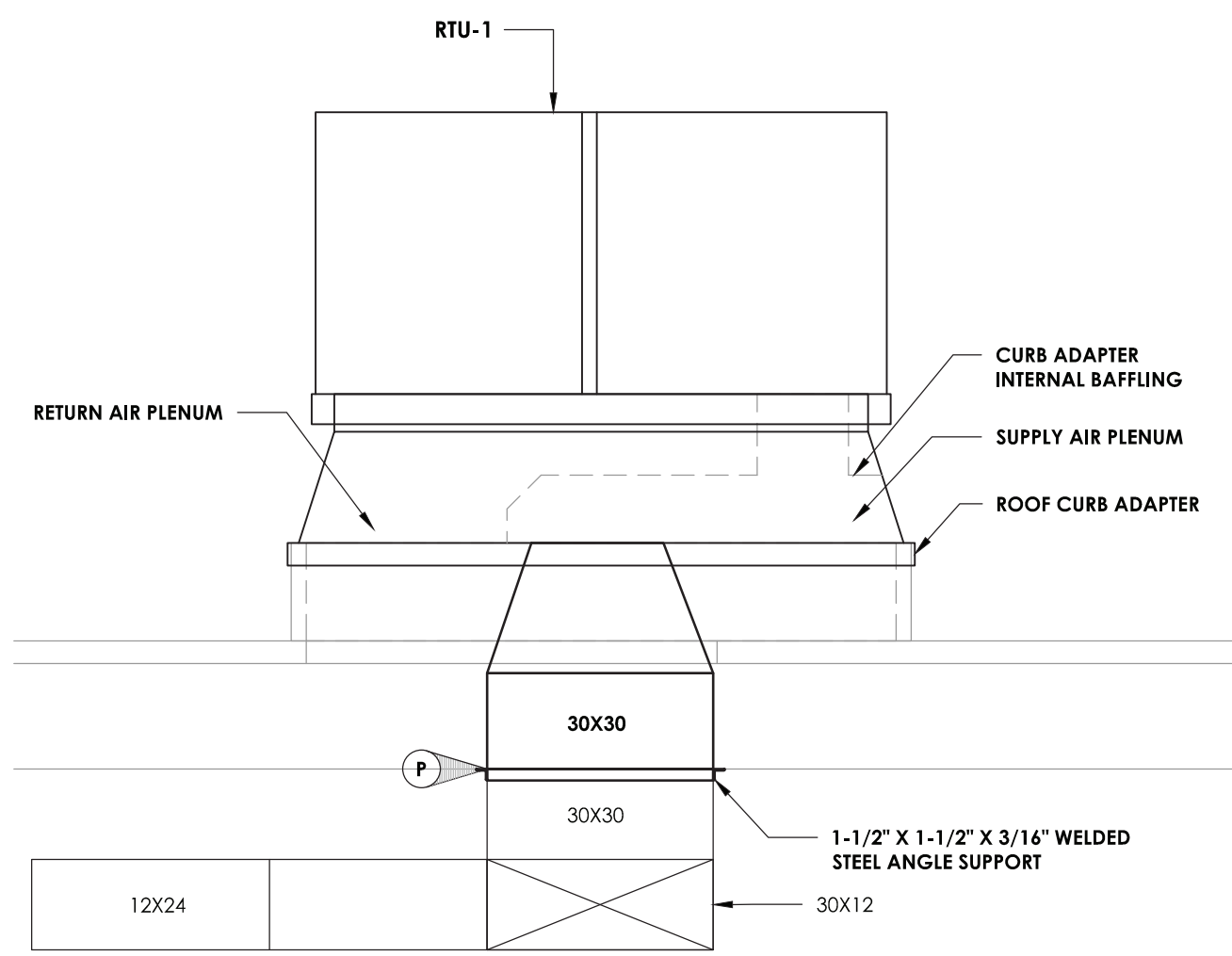




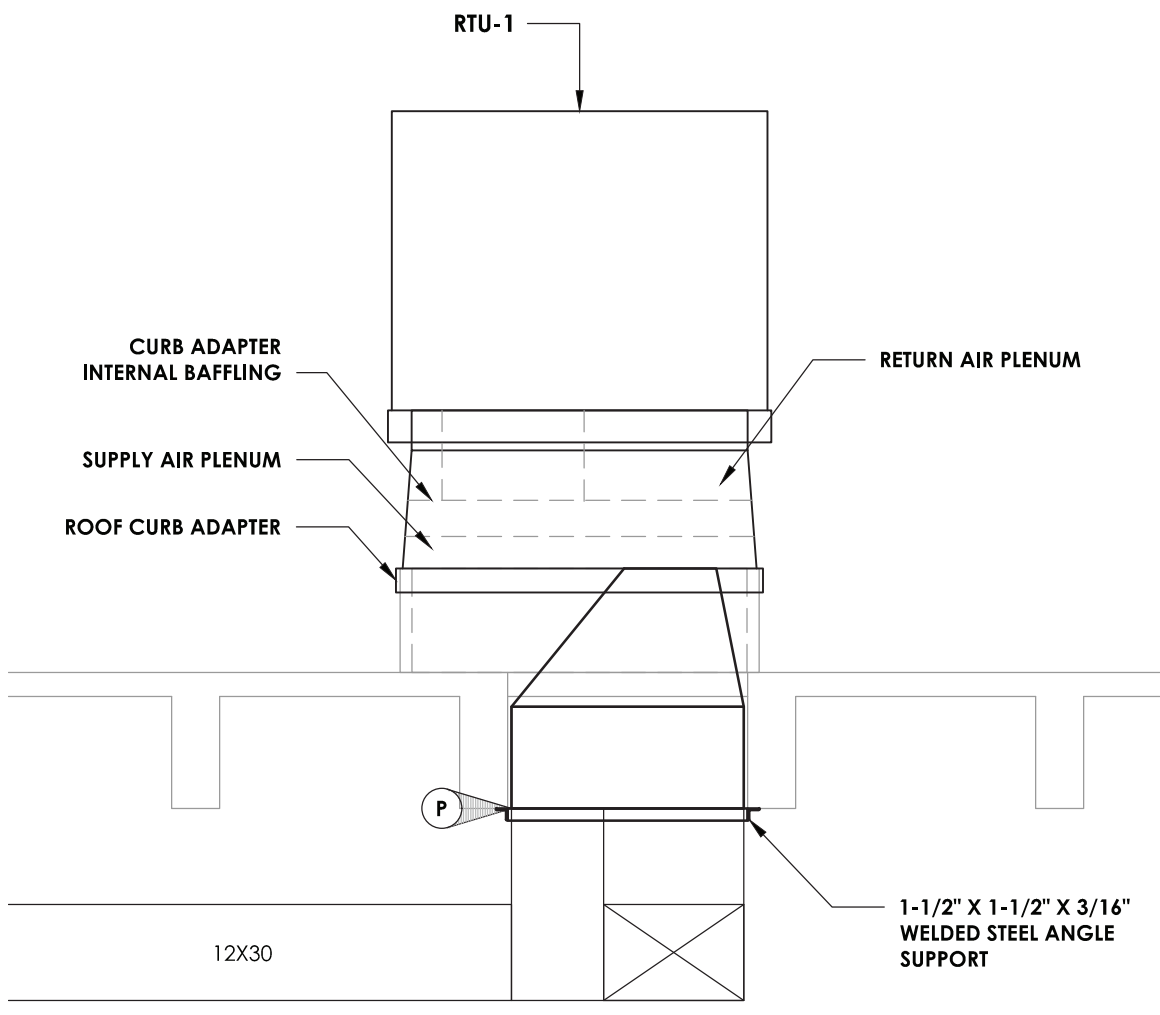
1  
H200  
**DEMOLITION PLAN - ADMIN. BUILDING ROOF**  
SCALE: 1/4" = 1'-0"



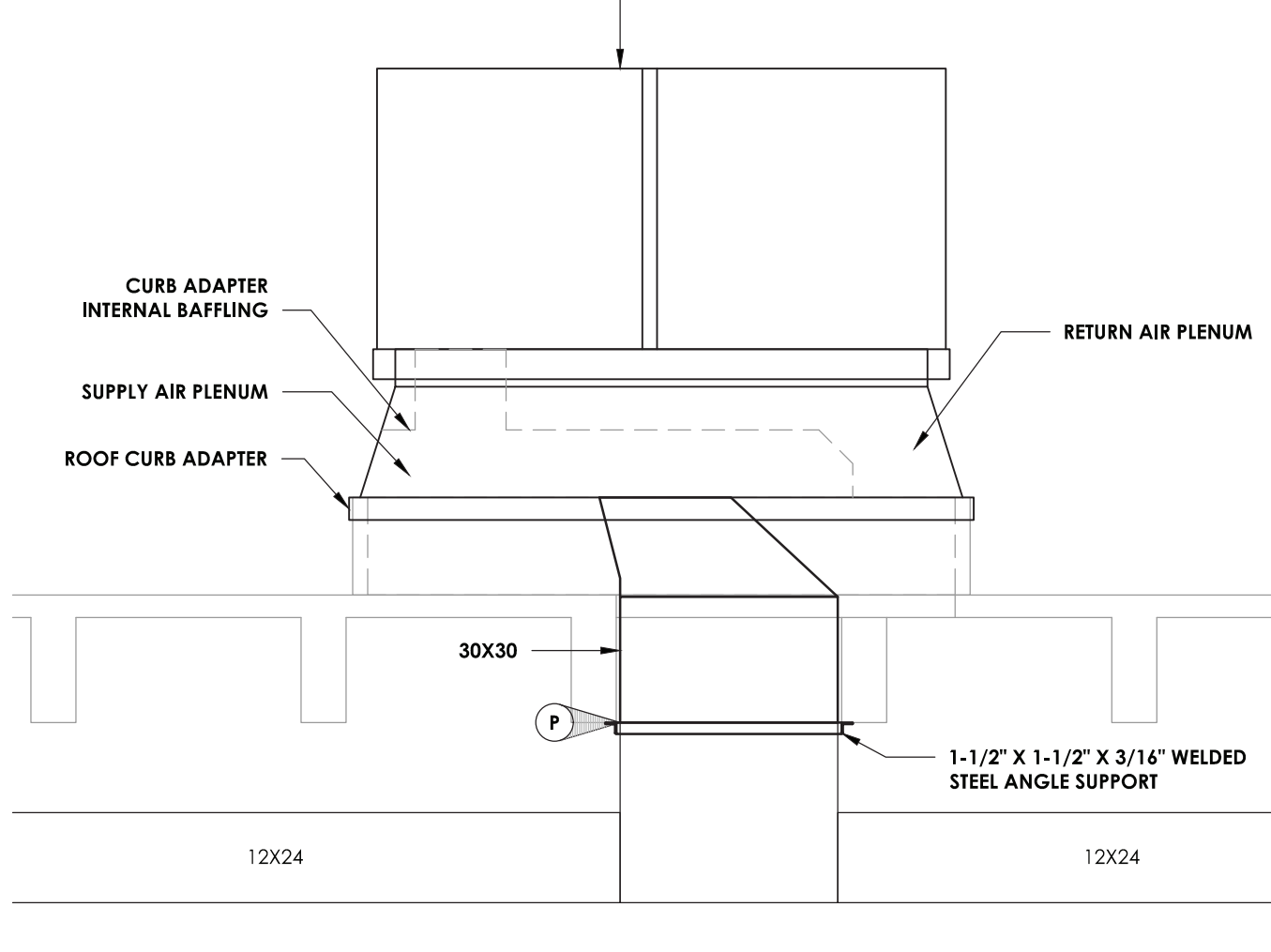
2  
H200  
**NEW WORK PLAN - ADMIN. BUILDING ROOF**  
SCALE: 1/4" = 1'-0"



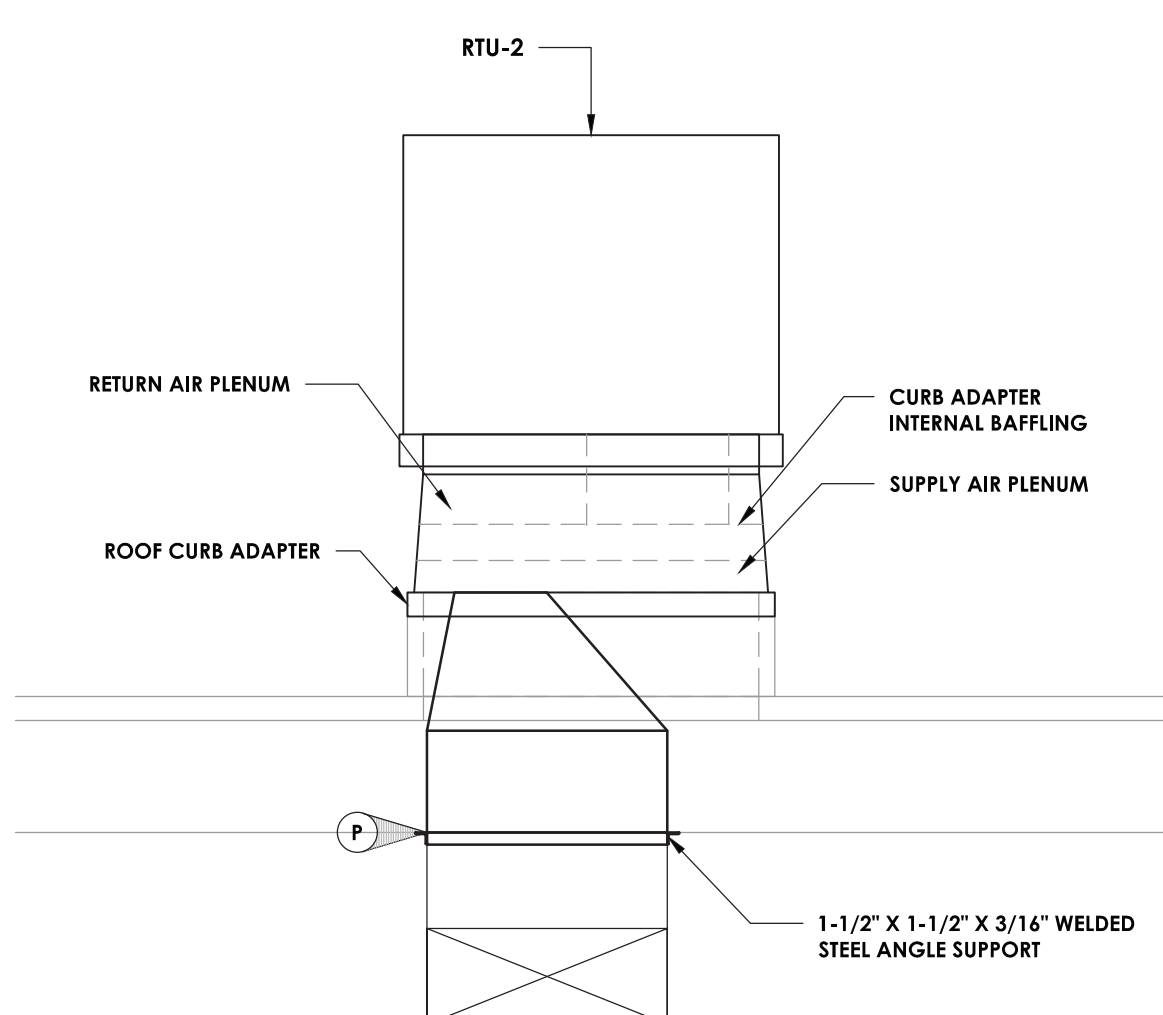
3  
H200  
**SIDE ELEVATION - RTU-1**  
SCALE: 1/2" = 1'-0"



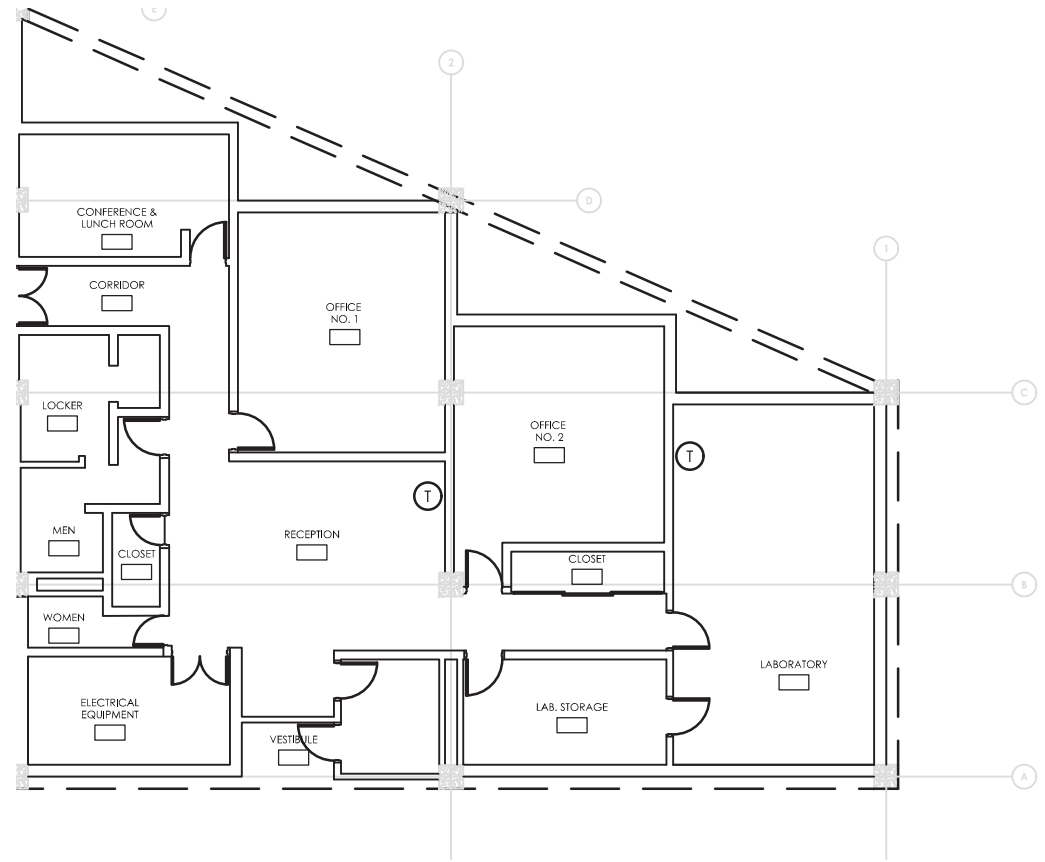
4  
H200  
**FRONT ELEVATION - RTU-1**  
SCALE: 1/2" = 1'-0"



5  
H200  
**SIDE ELEVATION - RTU-2**  
SCALE: 1/2" = 1'-0"



6  
H200  
**FRONT ELEVATION - RTU-2**  
SCALE: 1/2" = 1'-0"



8  
H200  
**THERMOSTAT LOCATIONS**  
SCALE: NO SCALE

PACKAGED ROOFTOP UNIT SCHEDULE																				
MARK	LOCATION	NOM. TONS	SUPPLY FAN				COOLING CAPACITY				HTG CAP. N.G.		ELECTRICAL DATA			TYPICAL UNIT MFG & MODEL NO.	DIMENSIONS		REMARKS:	
			CFM	OA CFM	ESP (IN. W.C.)	HP / RPM	TOTAL MBH	SENS MBH	EAT °F		INPUT MBH	OUTPUT MBH	FAN HP	VOLT / Ø / Hz	MCA		L" X W" X H"	WEIGHT (LBS)		
									DB	WB										
RTU-1	ADMIN. BLDG ROOF	4	1600	200	1.25	2.0 / 1725	49.6	38.5	80.0	67.0	95.0	115.0	92.0	2.0	460 / 3 / 60	11.0	TRANE-GBC048A4EYAM10 A1A	76.8 X 47.9 X 42.0	566	1
RTU-2	ADMIN. BLDG ROOF	4	1600	200	1.25	2.0 / 1725	49.6	38.5	80.0	67.0	95.0	115.0	92.0	2.0	460 / 3 / 60	11.0	TRANE-GBC048A4EYAM10 A1A	76.8 X 47.9 X 42.0	566	1
REMARKS:			1. FURNISH AND INSTALL NEW PROGRAMMABLE THERMOSTAT AS SPECIFIED.																	

KEY NOTES:

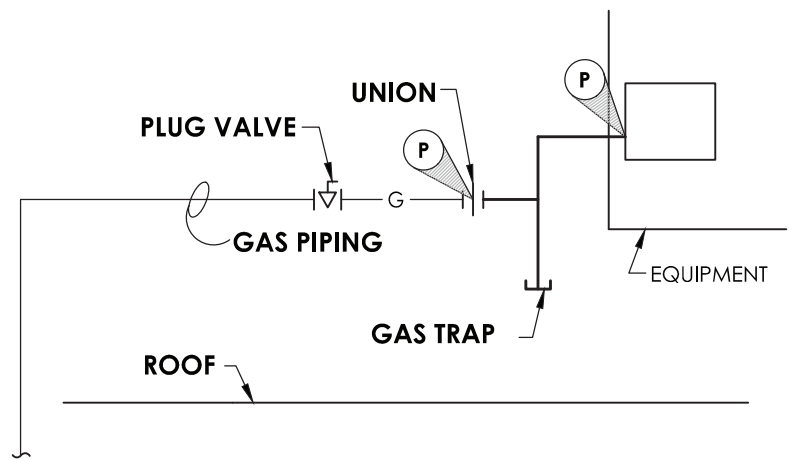
- 1 REMOVE EXISTING ROOF TOP UNIT, DISCONNECT GAS PIPING, CONTROLS, AND ASSOCIATED ROOM THERMOSTAT. PREPARE ROOF CURB AND DUCTWORK FOR CONNECTION TO NEW RTU.
- 2 INSTALL RTU ON EXISTING ROOF CURB USING MANUFACTURES CURB ADAPTER KIT, MODIFY EXISTING DUCTWORK FOR CONNECTION TO RTU, CONNECT RTU TO EXISTING GAS PIPING. PROVIDE CONDENSATE TRAP AT UNIT DRAIN CONNECTION. PATCH AND FLASH ROOF CURB AS NEEDED. PROVIDE ROOFING WORK BY A QUALIFIED CONTRACTOR, MAINTAIN ALL WARRANTIES.
- 3 CLEAN EXISTING SUPPLY AIR DUCTWORK.
- 4 PROVIDE PROTECTION FOR EXISTING ROOFING MEMBRANE DURING ENTIRE CONSTRUCTION PROJECT. PROTECTION METHODS SHALL NOT VOID THE ROOFING MANUFACTURER WARRANTY.

KEY NOTES: ELECTRICAL

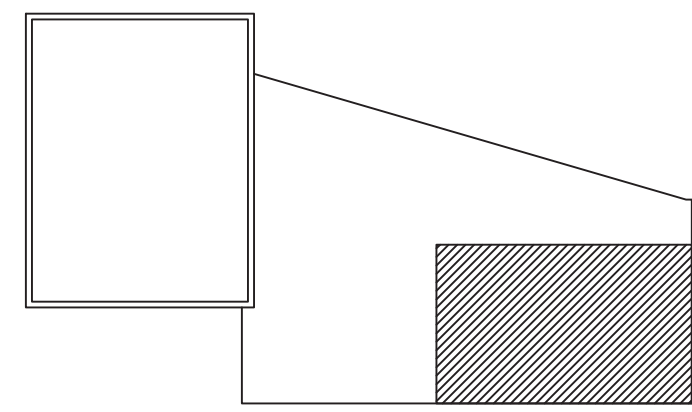
- E1 DISCONNECT EXISTING ROOF TOP UNIT FOR REMOVAL. PULL BACK WIRING AND CONDUIT AND TAG FOR REUSE.
- E2 RECONNECT NEW RTU DISCONNECT SWITCH TO EXISTING CONDUIT AND WIRING TAGGED FOR REUSE. REWORK/EXTEND CONDUIT AND WIRING AS NECESSARY. WIRE RTU TO DISCONNECT SWITCH.

P POINT OF CONNECTION

T SPACE THERMOSTAT



7  
H200  
**TYPICAL RTU GAS CONNECTION DETAIL**  
NOT TO SCALE

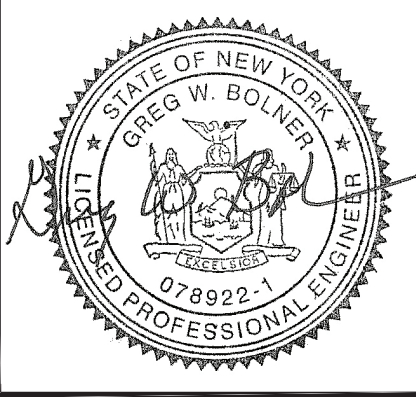


N  
**KEY PLAN**  
SCALE: NTS



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				RT	RT
	1	03/05/2019		ISSUED FOR EPC REVIEW	
	2	03/25/2020		ISSUED FOR BID	

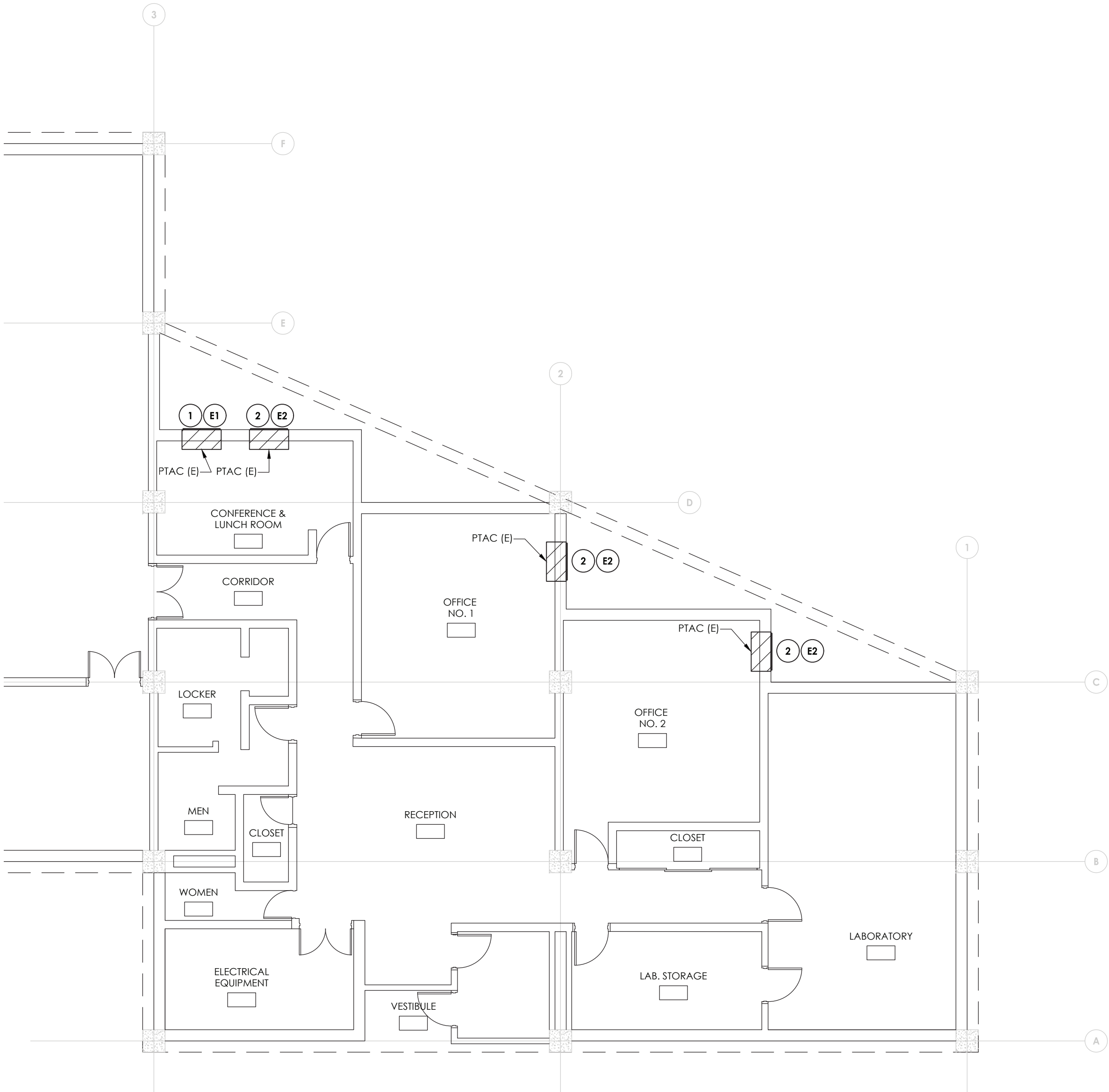


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**ENGINEERING DEPARTMENT**  
**WATER POLLUTION CONTROL PLANT**  
**IMPROVEMENTS**  
**CITY OF Poughkeepsie, NEW YORK**

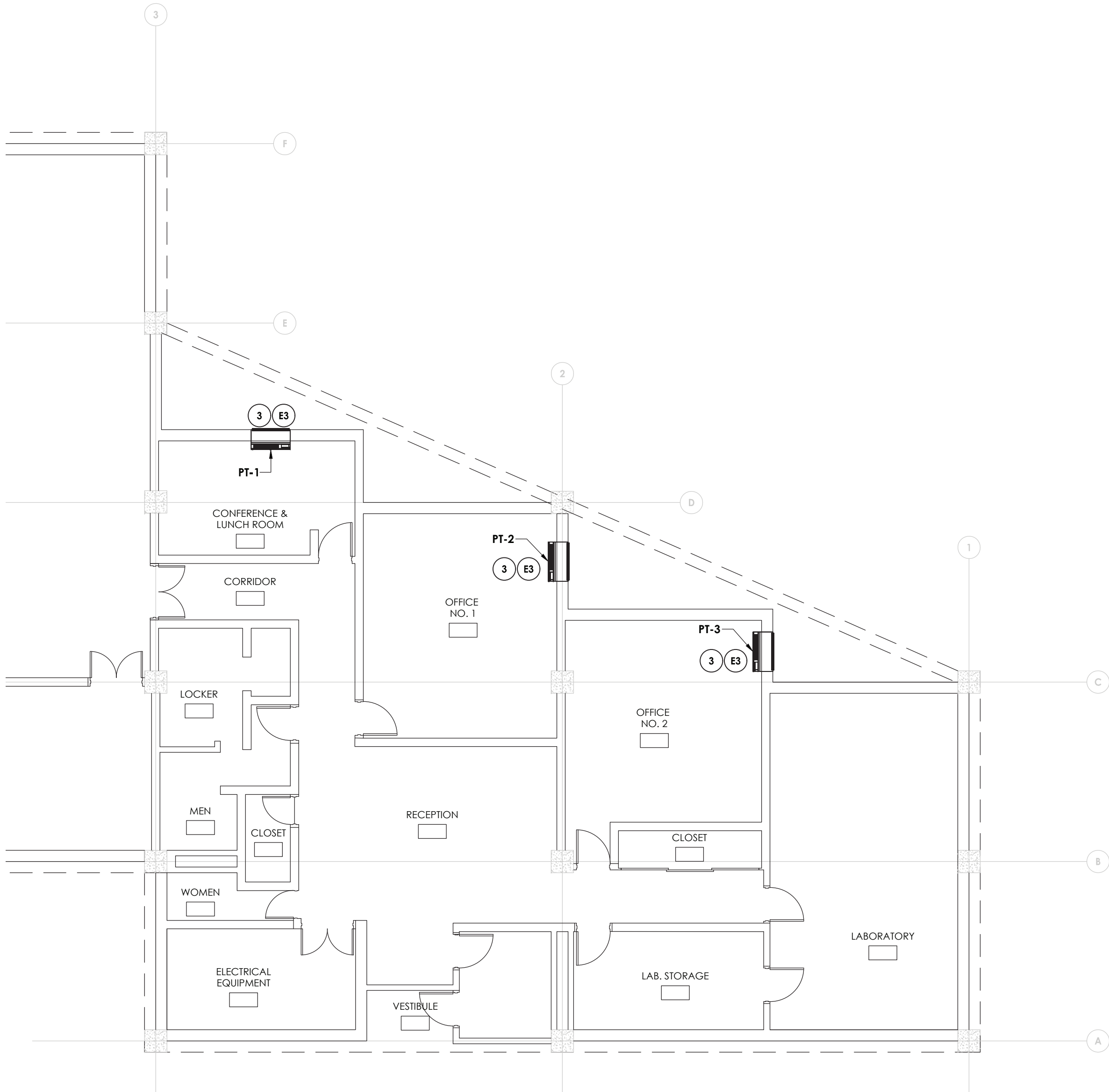
DATE	DRAWN	CHECKED
3/01/2019	MD	RJT
SCALE: AS NOTED		
SHEET TITLE		
HVAC ROOF PLAN - DEMOLITION, NEW WORK DETAILS, & SCHEDULES.		

PROJECT NUMBER  
12422.06  
**WPCP**  
**H200**  
DRAWING NUMBER

Drawing Name: S:\Projects\Poughkeepsie\_C\ Sewer Rehab\1D Design\08 CAD\AutoCAD\MECH\H2\WPCP - H201.dwg  
Date last accessed: 3/25/2020 12:48 PM  
Date last plotted: 3/25/2020 1:08 PM  
Plotted By: Robert Travis



1 HVAC DEMOLITION PLAN  
H201  
SCALE: 1/8" = 1'-0"

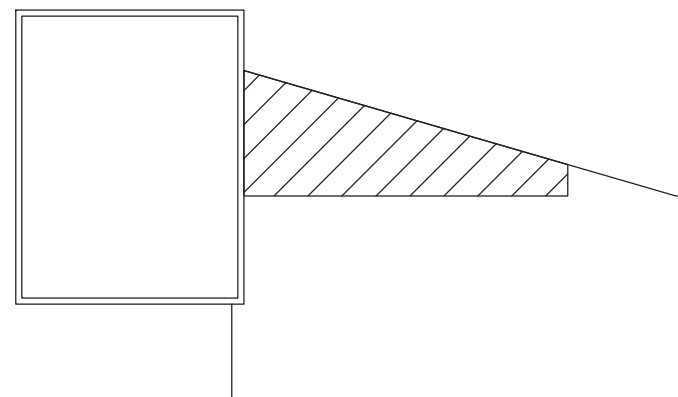


2 HVAC NEW WORK PLAN  
H201  
SCALE: 1/8" = 1'-0"

PACKAGE TERMINAL AIR CONDITIONER (PTAC) UNIT SCHEDULE													
MARK	LOCATION	COOLING CAPACITY (BTU/H)	HEATING CAPACITY (MBH/KW)	VENTILATION AIR (CFM)	TOTAL CFM	ELECTRICAL DATA				DIMENSIONS (L" X W" X H")	WEIGHT (LBS)	TYPICAL UNIT MFG & MODEL NO.	REMARKS:
						VOLTS	PHASE	MCA	EER				
PT-1	CONFERENCE/ LUNCH ROOM	14,800	12.6 / 3.8	65	340	277	1	17.9	10.0	42 X 21-1/2 X 16-1/16	113	AMANA - PTC154G35A	1, 2
PT-2	OFFICE # 1	14,800	17.1 / 5.0	65	340	277	1	23.9	10.0	42 X 21-1/2 X 16-1/16	113	AMANA - PTC154G35A	1, 2
PT-3	OFFICE # 2	14,800	17.1 / 5.0	65	340	277	1	23.9	10.0	42 X 21-1/2 X 16-1/16	113	AMANA - PTC154G35A	1, 2
REMARKS:													
1. PROVIDE WALL SLEEVE TO MATCH WALL-DEPTH.													
2. PROVIDE ANODIZED ALUMINUM ARCHITECTURAL OUTDOOR GRILLE.													

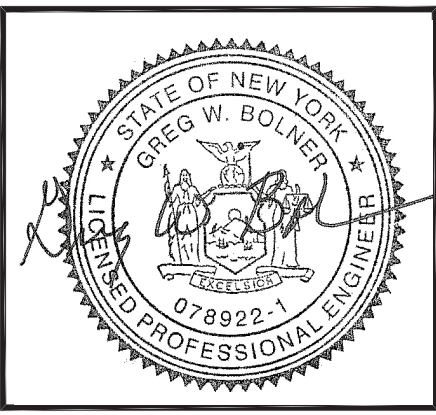
- KEY NOTES:**
- 1 REMOVE PACKAGE TERMINAL AIR CONDITIONER (PTAC) IN IT'S ENTIRETY, WALL SLEEVE, AND OUTDOOR GRILLE. PATCH AND REPAIR WALL OPENING WEATHER TIGHT WITH LIKE MATERIALS.
  - 2 REMOVE PACKAGE TERMINAL AIR CONDITIONER (PTAC) IN IT'S ENTIRETY, WALL SLEEVE, AND OUTDOOR GRILLE. PREPARE WALL OPENING FOR NEW EQUIPMENT.
  - 3 INSTALL NEW PACKAGE TERMINAL AIR CONDITIONER (PTAC), NEW WALL SLEEVE TO MATCH WALL DEPTH, AND ANODIZED ALUMINUM OUTDOOR GRILLE.

- KEY NOTES: ELECTRICAL**
- E1 DISCONNECT PTAC FOR REMOVAL. REMOVE ALL WIRING AND COUDUIT BACK TO SOURCE. LABEL BREAKER AS SPARE.
  - E2 DISCONNECT PTAC FOR REMOVAL. PULL BACK WIRING AND CONDUIT, TAG FOR RE-USE.
  - E3 CONNECT NEW PTAC UNIT TO EXISTING TAGGED CIRCUITRY. REWORK/EXTEND CONDUIT AND WIRING AS NECESSARY.



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DATE 3/01/2019	DRAWN MD	CHECKED RJT
SCALE 1/8" = 1'-0"		
SHEET TITLE HVAC FIRST FLOOR PLAN DEMOLITION, NEW WORK, & SCHEDULES.		

PROJECT NUMBER 12422.06
WPCP H201
DRAWING NUMBER