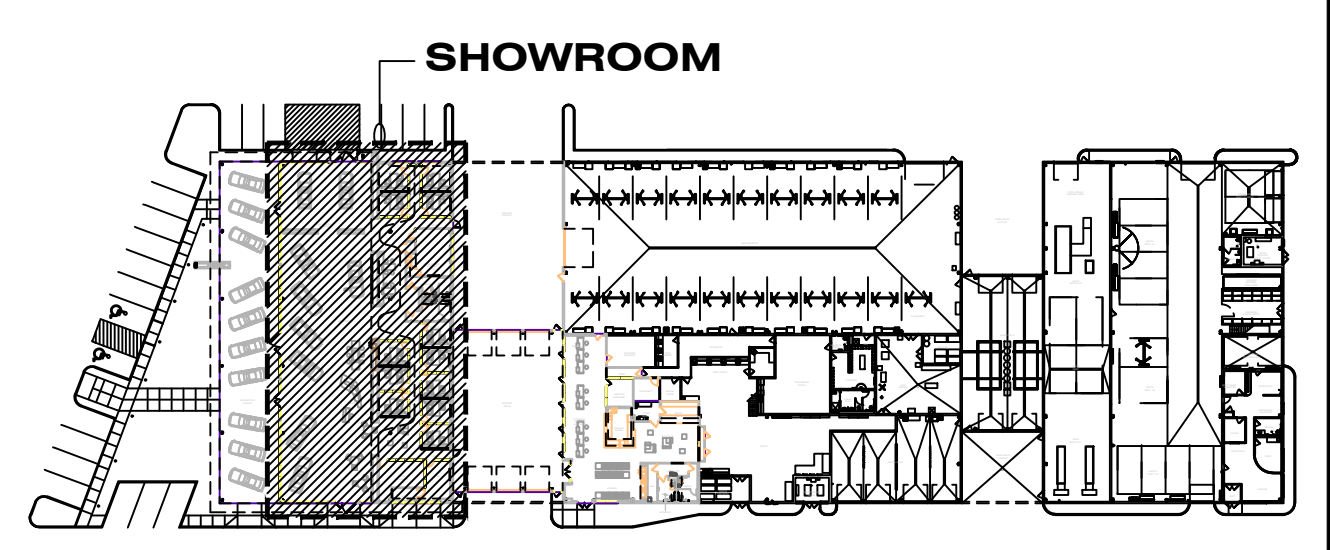


1 SHOWROOM FLOOR PLAN - MECHANICAL  
SCALE: 1/8" = 1'-0"

NOTES THIS SHEET

- 1 SEE SHEETS M0.1-M0.3 FOR SPECIFICATIONS, LEGENDS, GENERAL NOTES, SCHEDULES AND DETAILS.
- 2 RTU-1 & RTU-3: REPLACEMENT RTUS WILL BE LOCATED AT THE SAME LOCATION OF THE REMOVED EXISTING RTUS. FIELD VERIFY EXACT EXISTING RTU LOCATION.
  - EXISTING MAIN SA DUCT & MAIN RA DUCT SHALL BE REMOVED. NEW FLAT OVAL DUCTS - DOUBLE WALL - SHALL BE PROVIDED. DUCT SIZES AS SHOWN. RUN DUCTS AS HIGH AS POSSIBLE. FIELD VERIFY EXACT LOCATIONS.
  - EXISTING GAS PIPING TO REMAIN. RECONNECT EXISTING GAS BACK TO REPLACEMENT RTUS.
  - RELOCATE EXISTING TSTAT TO LOCATION AS SHOWN. FIELD VERIFY EXACT LOCATION TO AVOID CONFLICTING WITH OTHER EQUIPMENT AT THIS LOCATION.
- 3 RTU-2: REPLACEMENT RTU WILL BE LOCATED AT THE SAME LOCATION OF THE REMOVED EXISTING RTUS. FIELD VERIFY EXACT EXISTING RTU LOCATION.
  - EXISTING MAIN SA DUCT & MAIN RA DUCT SHALL BE REMOVED. NEW RECTANGULAR DUCTS (LINED) SHALL BE PROVIDED. DUCT SIZES AS SHOWN.
  - EXISTING GAS PIPING TO REMAIN. RECONNECT EXISTING GAS BACK TO REPLACEMENT RTUS.
  - RELOCATED EXISTING TSTAT TO LOCATION AS SHOWN. FIELD VERIFY EXACT LOCATION TO AVOID CONFLICTING WITH OTHER EQUIPMENT AT THIS LOCATION.
- 4 DAU-1 (1.5 TONS) & DAU-2 (2 TONS): NEW 4-WAY CEILING-CASSETTE DUCTLESS AIR HANDLING UNITS.
  - MINI SPLIT/HEAT PUMP.
  - a) ROUTE RS & RL LINES FROM UNIT TO NEW HEAT PUMPS (DHP-1 & DHP-2) ON ROOF, CONCEALED PIPING IN WALLS AND CEILINGS WHERE PRACTICAL. FIELD VERIFY EXACT ROUTING. SEE SHEET M1.3 FOR DHP-1 & DHP-2 LOCATIONS.
  - b) ROUTE FULL SIZE TRAPPED CONDENSATE DRAIN (CD) LINE FROM UNIT UP TO ROOF, SPILL INDIRECT TO ROOF DRAIN. FIELD VERIFY EXACT ROUTING.
  - c) PROVIDE UNIT WITH CONDENSATE PUMP. MAINTAIN CLEARANCES PER MANUFACTURER'S RECOMMENDATIONS.
- 5 6" O.D. DUCT AT THE RISER UP TO ROOF CAP. FIELD VERIFY EXACT ROUTING. PROVIDE MANUAL BALANCING, SET @ 30 CFM (DAU-1) AND @ 60 CFM (DAU-2)
- 6 FLAT OVAL SPIRAL DUCT WILL BE DOUBLE WALL - NO EXCEPTION. IF DUCT SIZES SHOWN ARE NOT AVAILABLE, THE NEXT LARGER SIZES WILL BE ACCEPTED. FIELD VERIFY EXACT DUCT LOCATION TO AVOID CONFLICTING WITH OTHER TRADES. FLAT OVAL DUCTS/SA REGISTERS WILL BE BLACK FINISH TO MATCH ROOF DECK/STRUCTURE COLOR.
- 7 SIDEWALL R.A. GRILLE - CENTER OF GRILLE WILL BE MOUNTED AT THE CENTER OF THE OPENING. TIGHT GRILLE TO THE UNDERSIDE OF THE ROOF STRUCTURE. GRILLE WILL BE BLACK FINISH TO MATCH ADJACENT WALL FINISH. COORDINATE WITH ARCHITECTURAL DWGS. FOR EXACT WALL FINISH COLOR.
- 8 R.A. TRANSFER GRILLE, ±12" A.F.F. FIELD VERIFY EXACT LOCATION.
- 9 UNITS IN THIS ROOM/AREA WILL BE WHITE FINISH TO MATCH CEILING COLOR.
- 10 UNITS IN THIS ROOM/AREA WILL BE BLACK FINISH TO MATCH CEILING COLOR.



KEY PLAN



REDLINE

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704.377.2990

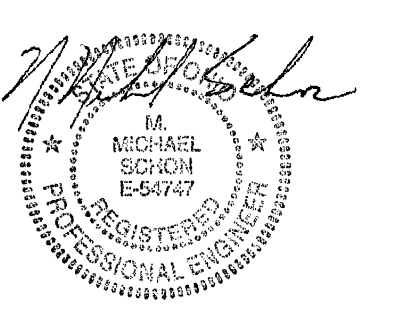
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Mercedes-Benz

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11.18.22

MERCEDES-BENZ  
OF WEST CHESTER  
EVOLUTION  
RENOVATION

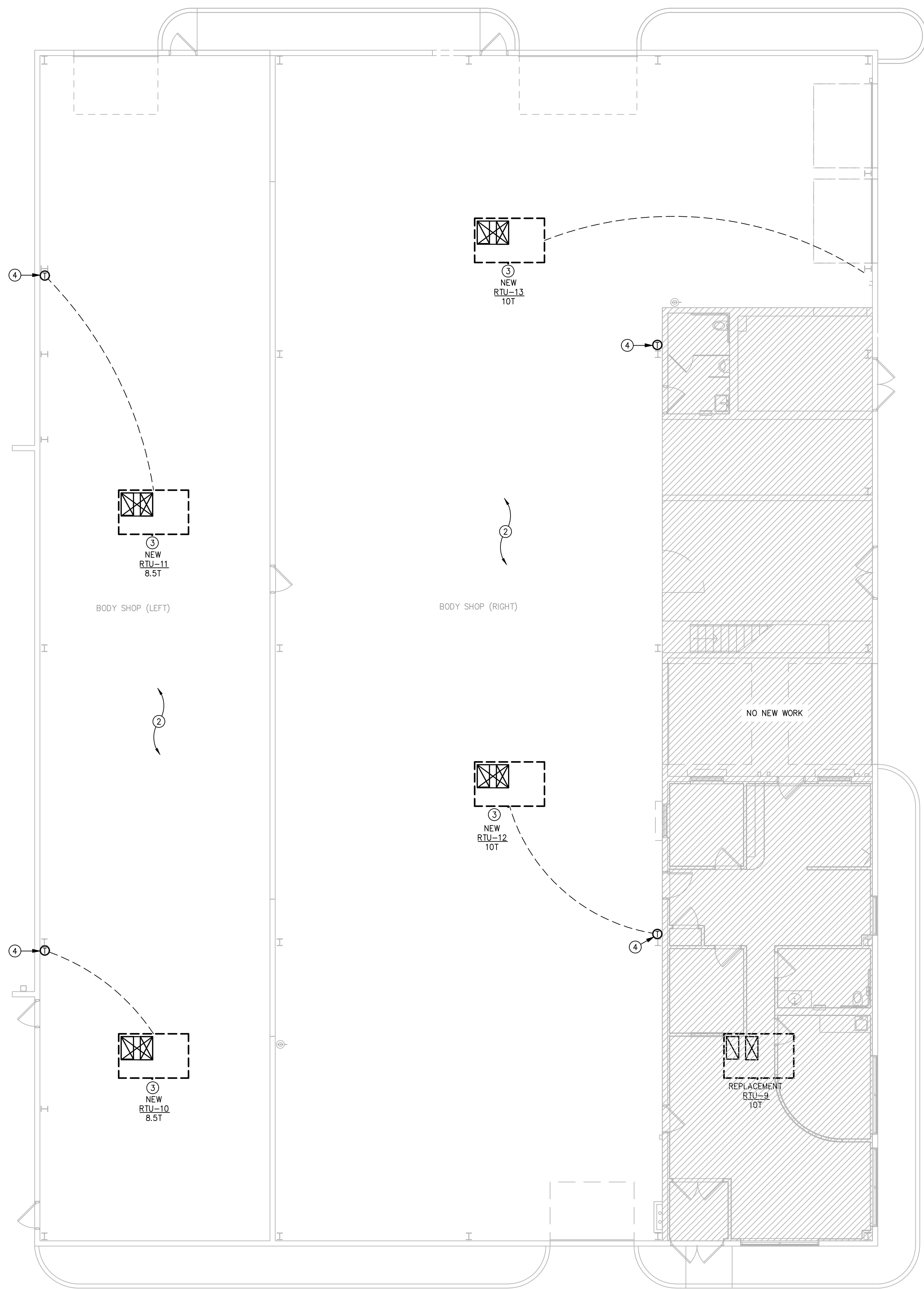
5897 MUHLHAUSER RD  
WEST CHESTER TOWNSHIP, OH 45069

#	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	11.18.22

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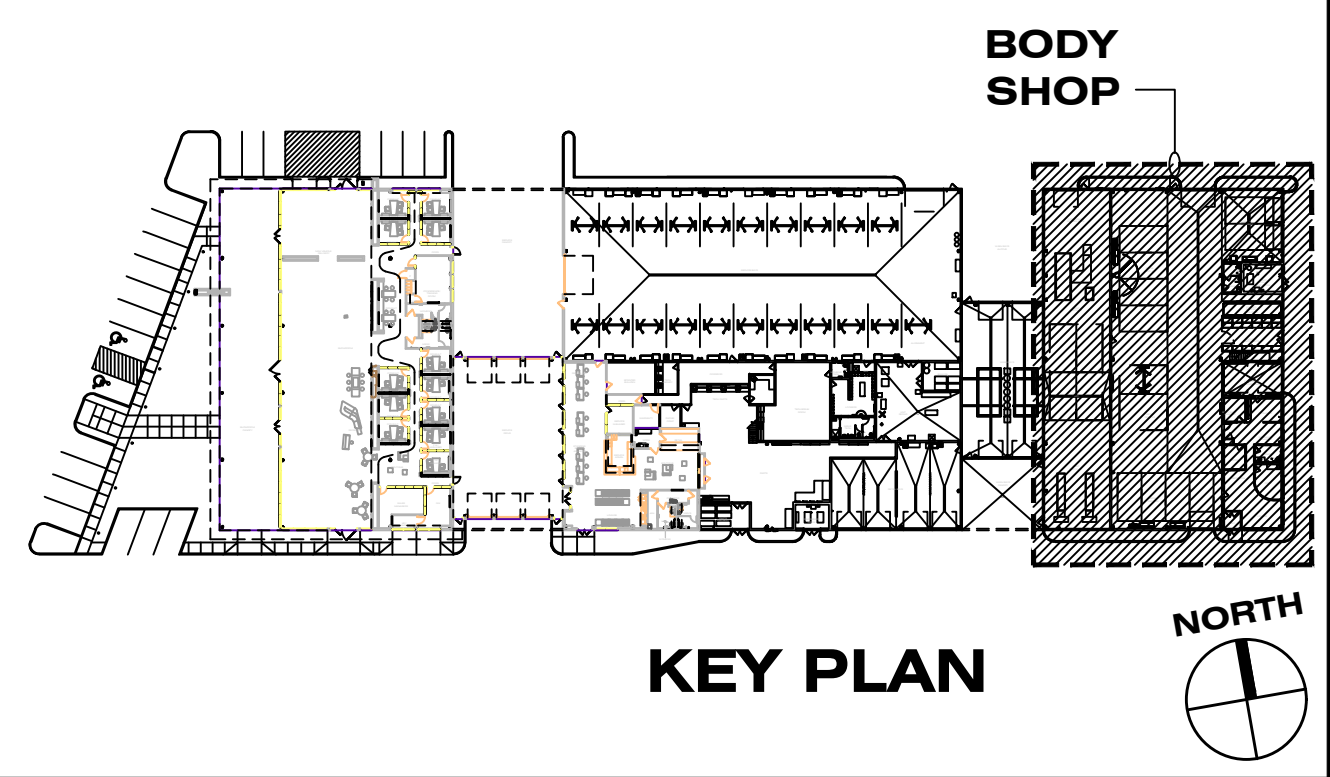
OWNER PROJECT CODE  
ARCH. PROJECT # 22-052  
TEETER PROJECT # 22090  
SHOWROOM FLOOR PLAN  
- MECHANICAL

SCALE:  
SHEET # M1.1

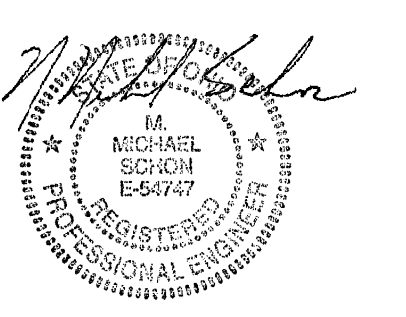


1 BODY SHOP FLOOR PLAN - MECHANICAL  
SCALE: 1/8" = 1'-0"

- NOTES THIS SHEET**
- 1 SEE SHEETS M0.1-M0.3 FOR SPECIFICATIONS, LEGENDS, GENERAL NOTES, SCHEDULES AND DETAILS.
  - 2 EXISTING EXHAUST AIR, INTAKE AIR, HEATERS, ETC. IN THIS AREA SHALL REMAIN. FIELD VERIFY EXACT LOCATION.
  - 3 NEW ROOFTOP UNIT ON NEW FACTORY ROOF CURB WITH DROP BOX DIFFUSERS. TRANSITION FROM FULL SIZE OF UNIT OPENING TO FULL SIZE OF DROP BOX DIFFUSERS, 12" BELOW THE BOTTOM OF THE BAR JOIST. INSTALL SUCH THAT BOX IS CENTERED BETWEEN THE BAR JOISTS. PROVIDE UNIT WITH 4-WAY DIFFUSER DROP BOX. COORDINATE WITH EXISTING ROOF STRUCTURE FOR EXACT RTU LOCATION.
  - 4 FIELD VERIFY EXACT T'STAT LOCATION TO AVOID INTERFERING WITH OTHER EQUIPMENT AT THIS LOCATION.



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**MERCEDES-BENZ  
OF WEST CHESTER  
EVOLUTION  
RENOVATION**

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OWNER PROJECT CODE  
ARCH. PROJECT # 22-052  
TEETER PROJECT # 22090  
BODY SHOP FLOOR PLAN  
- MECHANICAL  
SCALE:  
SHEET # **M1.2**



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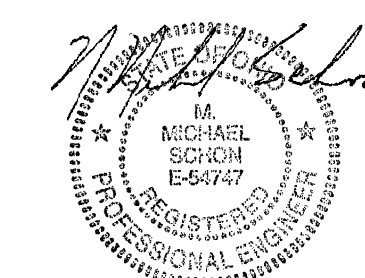


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### MERCEDES-BENZ OF WEST CHESTER EVOLUTION RENOVATION

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ROOF PLAN -  
MECHANICAL

SCALE:  
SHEET #

M1.3

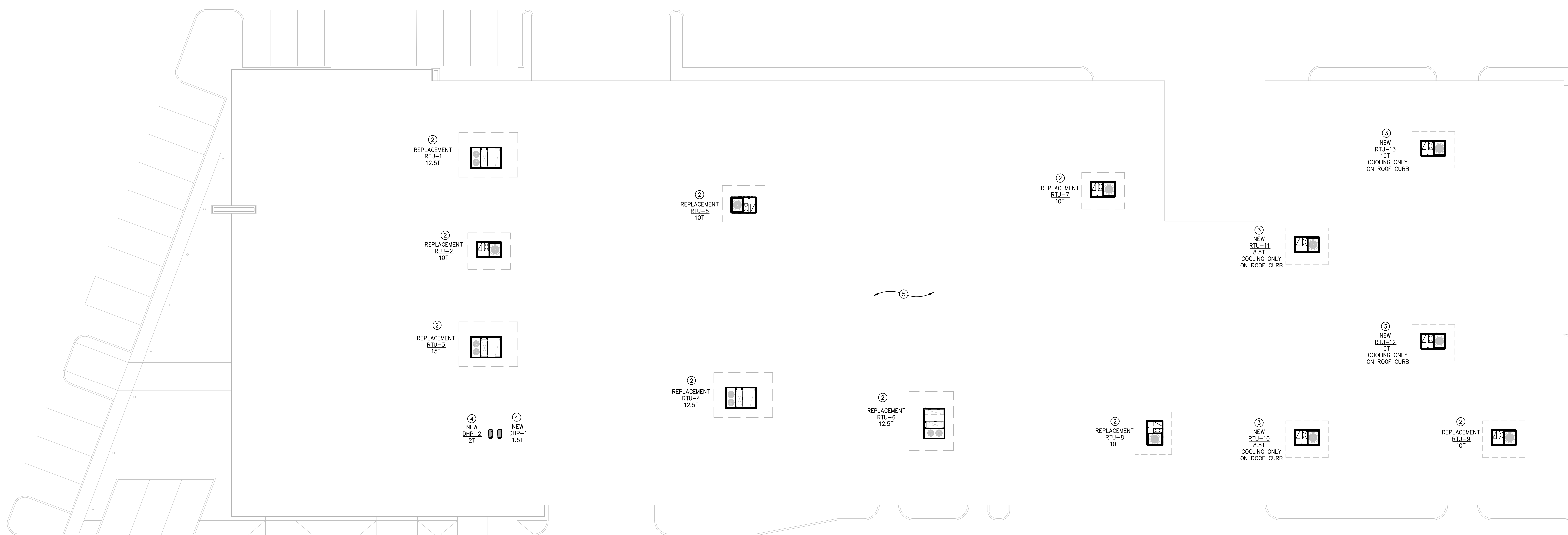


**ROOF PLAN GENERAL NOTES**

- COORDINATE ROOFTOP EQUIPMENT WITH STRUCTURE FOR EXACT EQUIPMENT LOCATION.
- ALL VENTS AND EXHAUST TERMINATION ON ROOF SHALL BE MINIMUM 10'-0" FROM ANY FRESH AIR INTAKE, OFF-SET AS NECESSARY.
- ALL NEW ROOF EQUIPMENT WILL BE INSTALLED ON PRE-MANUFACTURED FACTORY ROOF CURB.
- CONDENSATE DRAIN LINE NOTE:  
ALL CONDENSATE DRAIN LINES ROUTED ON ROOF TO BE PROVIDED AND INSTALLED SUITABLE FOR OUTDOOR CONDITIONS WITH WEATHER AND UV RESISTANT MATERIAL. ROUTE CONDENSATE PIPING A MINIMUM 1/8" PER FOOT SLOPED TOWARD DRAIN LOCATION.

**NOTES THIS SHEET**

- SEE SHEETS M0.1-M0.3 FOR SPECIFICATIONS, LEGENDS, GENERAL NOTES, SCHEDULES AND DETAILS.
- EXISTING RTU SHALL BE REMOVED AND REPLACED WITH NEW RTU.
  - LOCATE REPLACEMENT RTU AT THE SAME LOCATION OF THE REMOVED RTU.
  - EXISTING ROOF CURB AND EXISTING ROOF OPENING TO BE RE-USED.
  - PROVIDE CURB ADAPTER TO MATCH WITH EXISTING ROOF OPENING IF NEEDED.
  - PROVIDE NEW ROOF CURB IF NEEDED.
  - EXISTING GAS PIPING ON ROOF SHALL REMAIN. RE-CONNECT EXISTING GAS PIPING INTO THE REPLACEMENT RTU.
  - EXISTING GAS PIPING ON ROOF SHALL REMAIN. RE-CONNECT EXISTING GAS PIPING INTO THE REPLACEMENT RTU.
  - UNIT TAGS ARE FOR DESIGN PURPOSES ONLY. M.C. SHALL FIELD VERIFY EXACT TAGS. FIELD VERIFY EXACT EXISTING UNIT LOCATION.
- NEW ROOFTOP UNIT ON NEW MANUFACTURER'S ROOF CURB. COORDINATE WITH EXISTING ROOF STRUCTURE FOR EXACT UNIT LOCATION. MAINTAIN FRESH AIR INTAKE HOOD OF THE UNIT 10FT AWAY FROM ANY EXISTING EXHAUST AIR.
- DHP-1 (1.5 TONS) & DHP-2 (2 TONS): NEW HEAT PUMPS ON PREFAB 4" CONCRETE PADS. ROUTE RS & RL LINES FROM UNIT TO NEW DUCTLESS AIR HANDLING UNIT (DAU-1 & DAU-2), CONCEALED PIPING IN WALLS AND CEILING WHERE PRACTICAL. FIELD VERIFY EXACT ROUTING. SEE SHEET M1.1 FOR DAU-1 & DAU-2 LOCATIONS. MAINTAIN CLEARANCES PER MANUFACTURER'S RECOMMENDATIONS.
- ALL EXISTING ROOF EQUIPMENT NOT SHOWN ON THIS PLAN SHALL REMAIN. FIELD VERIFY EXACT LOCATION.



1 ROOF PLAN - MECHANICAL  
SCALE: 1/16" = 1'-0"