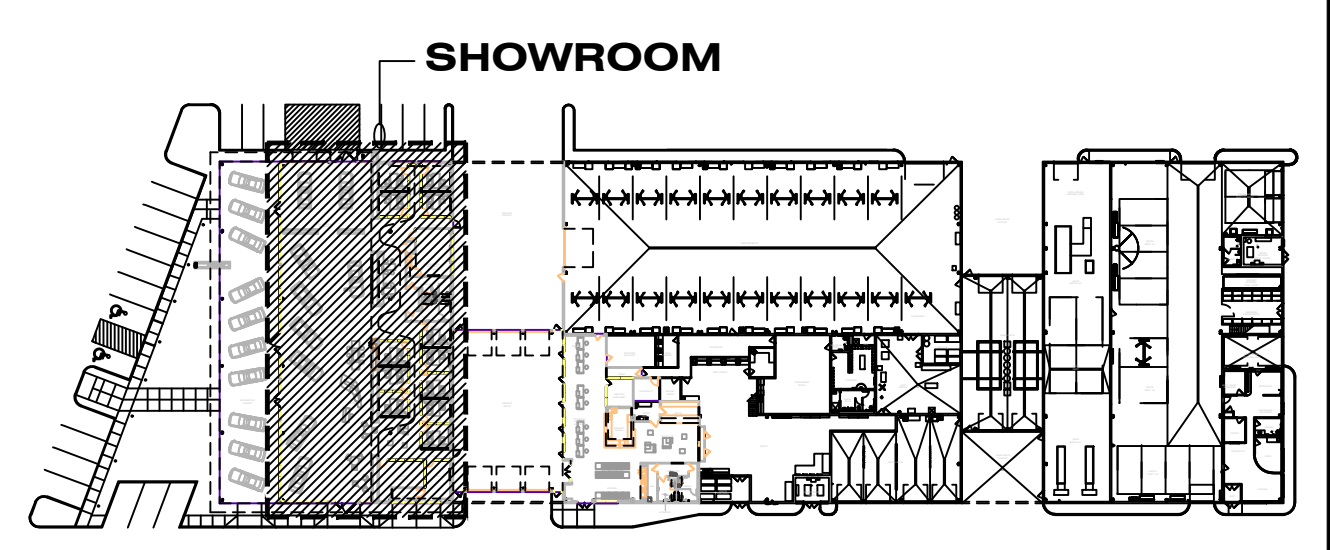


1 SHOWROOM FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"

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

925 Tuckaseegee Rd.
Suite 110
Charlotte, NC 28208

704.377.2990

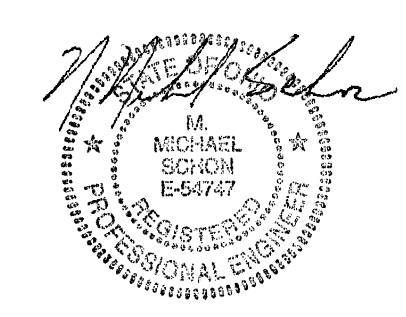
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Mercedes-Benz

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MERCEDES-BENZ
OF WEST CHESTER
EVOLUTION
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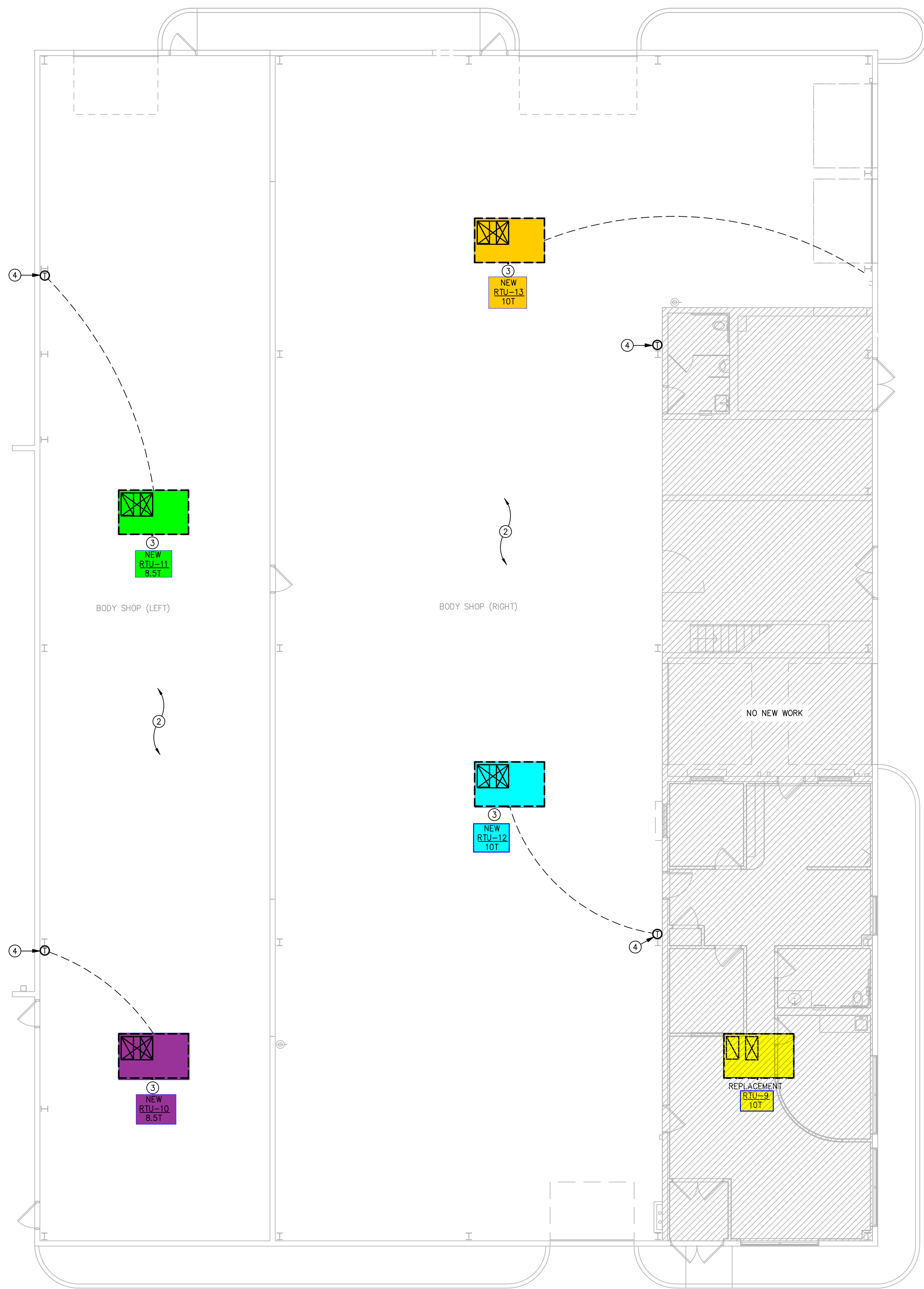
5897 MUHLHAUSER RD
WEST CHESTER TOWNSHIP, OH 45069

#	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	11.18.22

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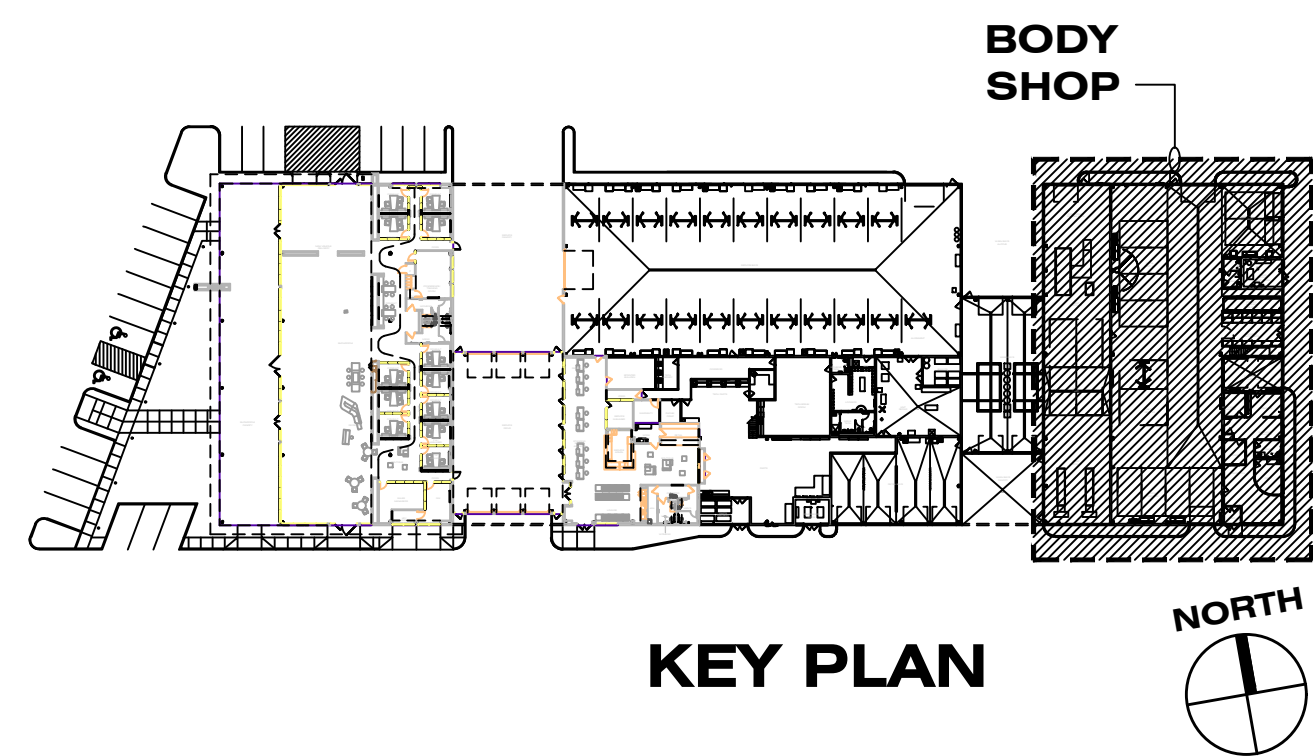
OWNER PROJECT CODE
ARCH. PROJECT # 22-052
TEETER PROJECT # 22090
SHOWROOM FLOOR PLAN
- MECHANICAL

SCALE:
SHEET # M1.1



- NOTES THIS SHEET**
- SEE SHEETS M0.1-M0.3 FOR SPECIFICATIONS, LEGENDS, GENERAL NOTES, SCHEDULES AND DETAILS.
 - EXISTING EXHAUST AIR, INTAKE AIR, HEATERS, ETC. IN THIS AREA SHALL REMAIN. FIELD VERIFY EXACT LOCATION.
 - 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.
 - FIELD VERIFY EXACT T'STAT LOCATION TO AVOID INTERFERING WITH OTHER EQUIPMENT AT THIS LOCATION.

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



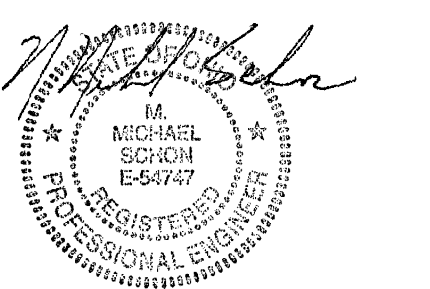
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11.18.22

**MERCEDES-BENZ
OF WEST CHESTER
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ARCH. PROJECT # 22-052
TEETER PROJECT # 22090
BODY SHOP FLOOR PLAN
- MECHANICAL

SCALE:
SHEET # **M1.2**

