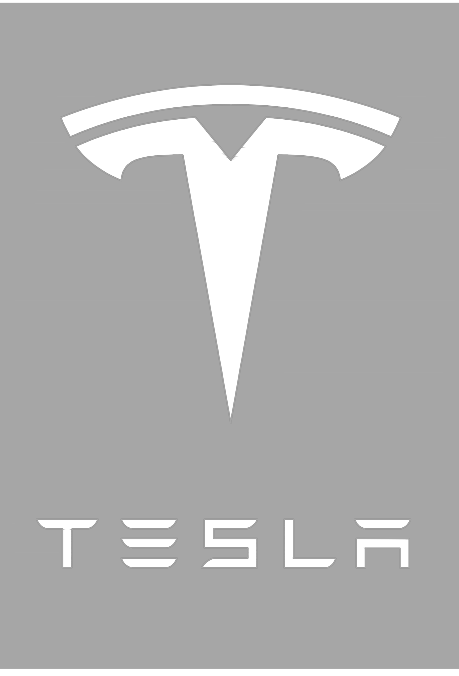
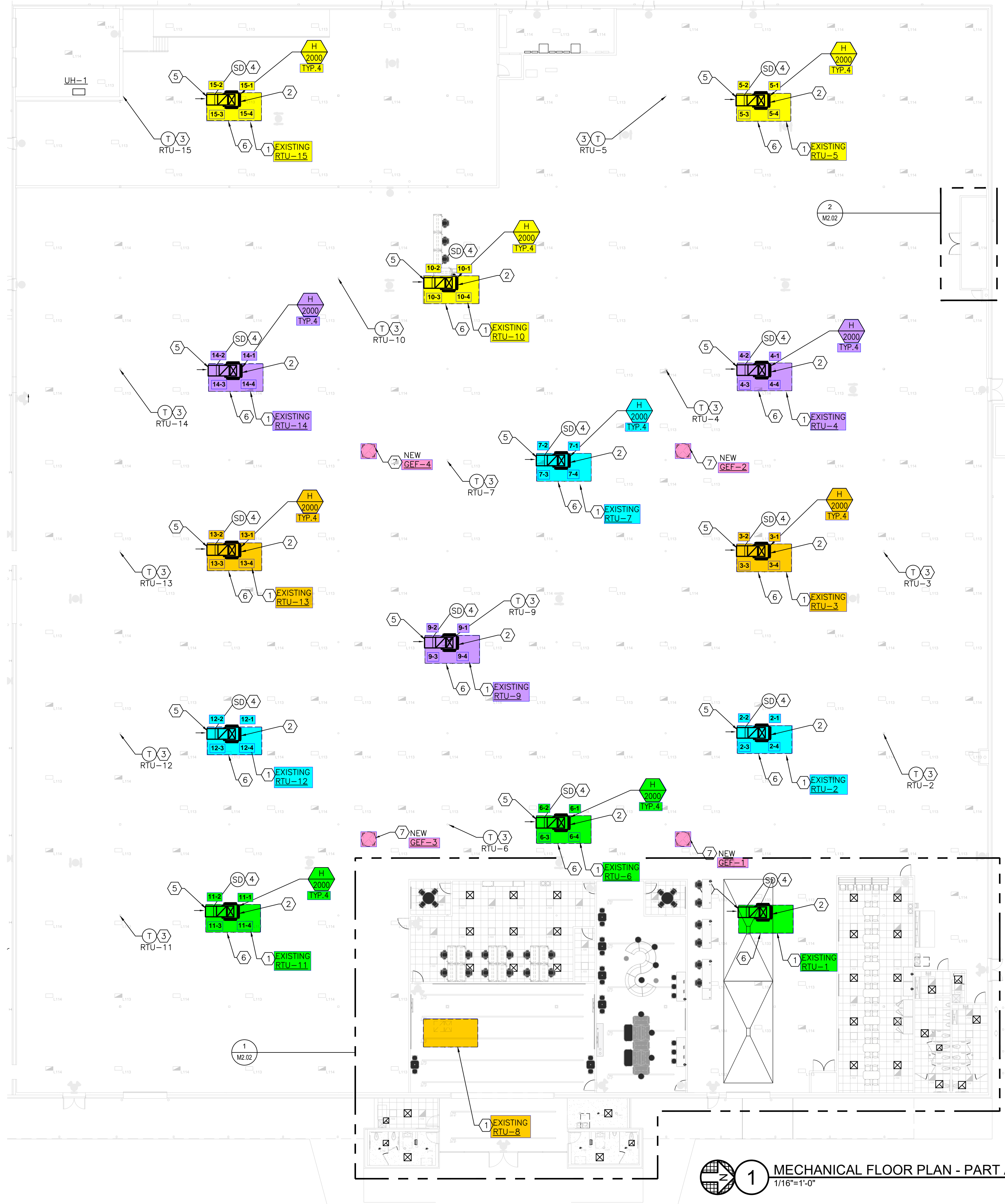
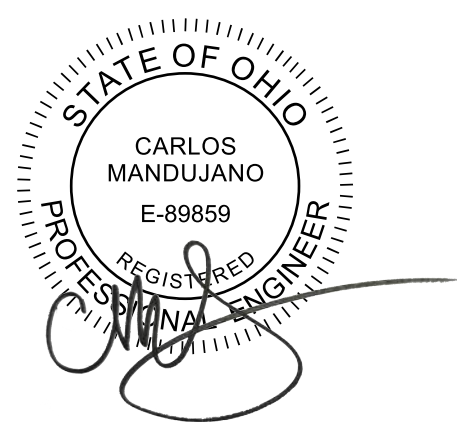


HVAC KEYED NOTES:

- 1 EXISTING ROOFTOP UNIT PROVIDED BY LANDLORD. REFER TO SHEET M1.00 FOR ROOFTOP UNIT SCHEDULE. BALANCE ROOFTOP UNIT TO CFM AMOUNT SHOWN. OUTSIDE AIR INTAKE IS AT LEAST 10'-0" AWAY FROM ANY EXHAUST FAN DISCHARGE AND VENT/GAS FLUE THRU ROOF. EXISTING CONDENSATE DRAIN IS ROUTED TO NEAREST ROOF DRAIN.
- 2 GALVANIZED STEEL SUPPLY AIR PLENUM BOX INSTALLED WITH TOP OF PLENUM BOX FLUSH WITH THE BOTTOM OF THE ROOF BAR JOISTS. INSTALL A SUPPLY AIR REGISTER WITH DAMPER, GALVANIZED FINISH, IN EACH SIDE OF THE SUPPLY AIR PLENUM BOX AS SHOWN AND BALANCE EACH GRILLE TO EQUAL PORTIONS OF THE RTU TOTAL SUPPLY AIR CFM. SEE DETAIL ON M3.10.
- 3 PROGRAMMABLE THERMOSTAT FOR NEW ROOFTOP UNIT SHALL BE LOCATED TO NEAREST COLUMN, FIELD VERIFY. COORDINATE WITH ELECTRICAL CONTRACTOR FOR MOUNTING LOCATION. EXTEND SUPPLY WIRING AS REQUIRED. PROVIDE LOCKING COVERS FOR THERMOSTATS.
- 4 PROVIDE NEW SMOKE DETECTOR IN THE RETURN AIR DUCT AS SHOWN. SMOKE DETECTOR SHALL BE INTERLOCKED WITH ROOFTOP UNIT TO SHUT DOWN UPON THE PRESENCE OF SMOKE.
- 5 PROVIDE HORIZONTAL LENGTH OF FULL-SIZE RETURN AIR DUCT INSTALLED AS HIGH AS POSSIBLE BELOW THE ROOF DECK BETWEEN THE ROOF TRUSSES. PROVIDE AN EXPANDED METAL MESH GRILLE WITHOUT DAMPER ON THE END OF THE DUCT. SEE DETAIL ON M3.10.
- 6 EXISTING CONDENSATE DRAIN WITH VENTED P-TRAP IS DISCHARGING TO NEAREST ROOF DRAIN. REFER TO DETAIL ON SHEET M4.00 FOR INFORMATION.
- 7 NEW ROOF MOUNTED GENERAL EXHAUST FAN. INSTALL AS SHOWN ON ROOF. PROVIDE ON NEW INSULATED CURB. PROVIDE FLASHING AS NEEDED. VERIFY FAN DISCHARGE IS 10'-0" MINIMUM FROM ANY OUTSIDE AIR INTAKE. FIELD VERIFY LOCATION. EXTEND DUCT DOWN 12" BELOW STRUCTURE AND PROVIDE DUCTWORK WITH BACKDRAFT DAMPER AND BIRD SCREEN. PROVIDE A WIRE MESH SCREEN AT EXHAUST AIR DUCT OPENING. REFER TO GENERAL EXHAUST FAN SCHEDULE ON SHEET M1.00 FOR INFORMATION.



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DRAWING TITLE

MECHANICAL FLOOR PLAN - PART A

SCALE: AS NOTED
TRT PROJECT: 15374
PROJECT NUMBER: 22-0055

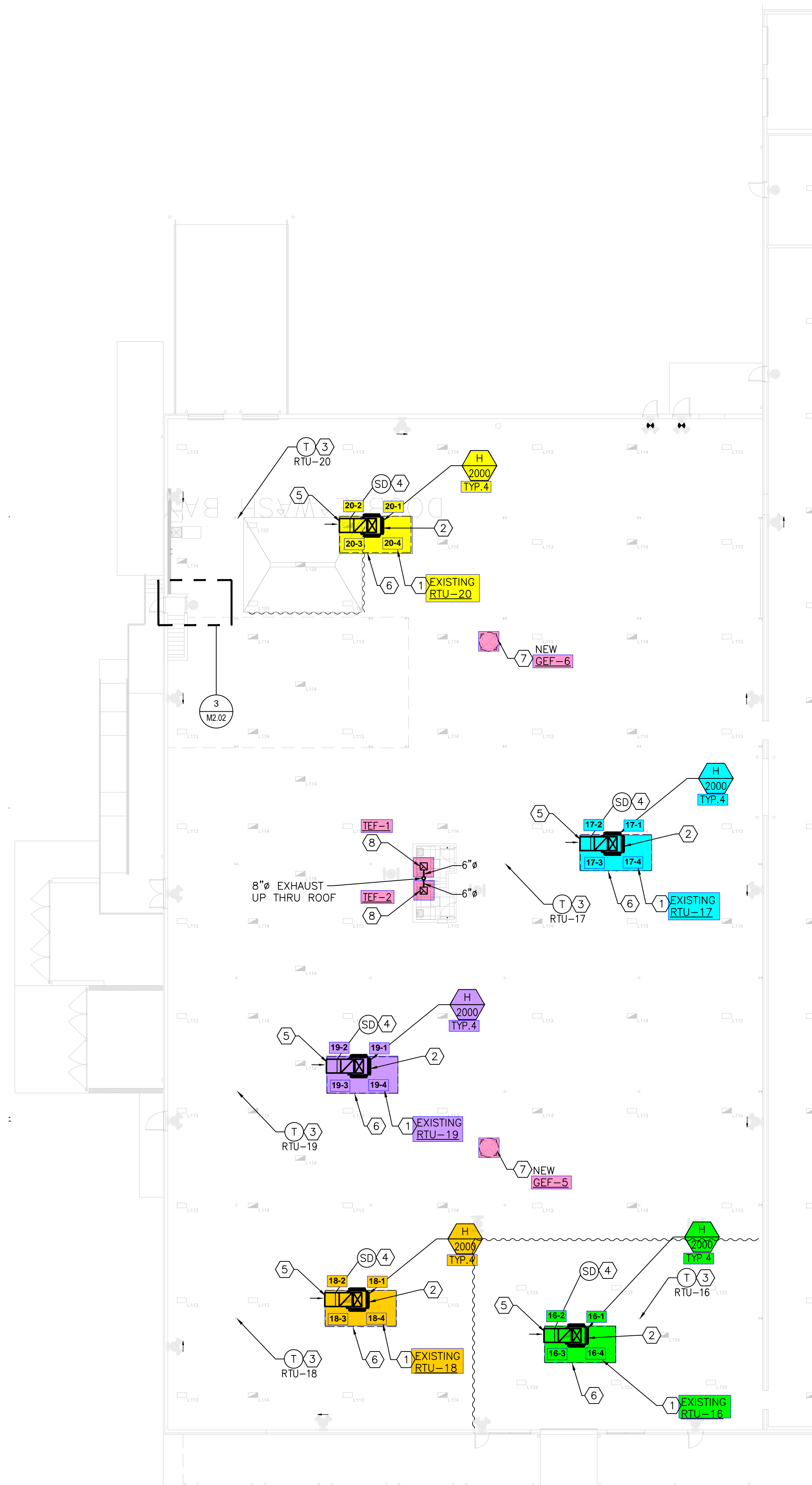
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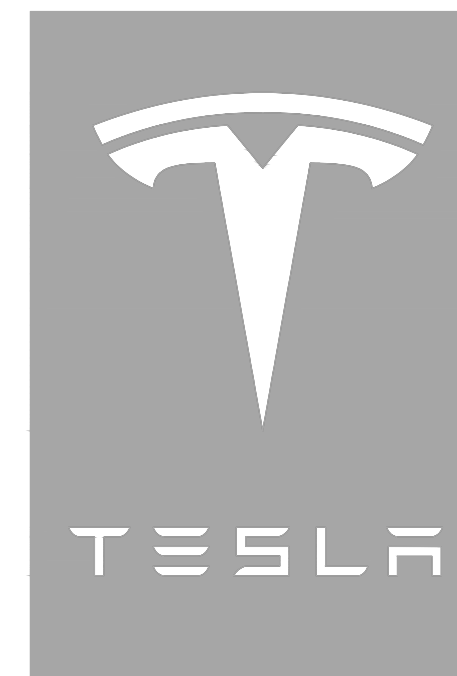
MECHANICAL FLOOR PLAN - PART A
1/16"=1'-0"

HVAC KEYED NOTES:

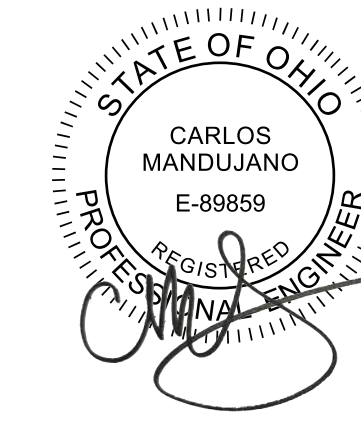
- ① EXISTING ROOFTOP UNIT PROVIDED BY LANDLORD. REFER TO SHEET M1.00 FOR ROOFTOP UNIT SCHEDULE. BALANCE ROOFTOP UNIT TO CFM AMOUNT SHOWN. OUTSIDE AIR INTAKE IS AT LEAST 10'-0" AWAY FROM ANY EXHAUST FAN DISCHARGE AND VENT/GAS FLUE THRU ROOF. EXISTING CONDENSATE DRAIN IS ROUTED TO NEAREST ROOF DRAIN.
- ② GALVANIZED STEEL SUPPLY AIR PLENUM BOX INSTALLED WITH TOP OF PLENUM BOX FLUSH WITH THE BOTTOM OF THE ROOF BAR JOISTS. INSTALL A SUPPLY AIR REGISTER WITH DAMPER, GALVANIZED FINISH, IN EACH SIDE OF THE SUPPLY AIR PLENUM BOX AS SHOWN AND BALANCE EACH GRILLE TO EQUAL PORTIONS OF THE RTU TOTAL SUPPLY AIR CFM. SEE DETAIL ON M3.10.
- ③ PROGRAMMABLE THERMOSTAT FOR NEW ROOFTOP UNIT SHALL BE LOCATED TO NEAREST COLUMN, FIELD VERIFY. COORDINATE WITH ELECTRICAL CONTRACTOR FOR MOUNTING LOCATION. EXTEND SUPPLY WIRING AS REQUIRED. PROVIDE LOCKING COVERS FOR THERMOSTATS.
- ④ PROVIDE NEW SMOKE DETECTOR IN THE RETURN AIR DUCT AS SHOWN. SMOKE DETECTOR SHALL BE INTERLOCKED WITH ROOFTOP UNIT TO SHUT DOWN UPON THE PRESENCE OF SMOKE.
- ⑤ PROVIDE HORIZONTAL LENGTH OF FULL-SIZE RETURN AIR DUCT INSTALLED AS HIGH AS POSSIBLE BELOW THE ROOF DECK BETWEEN THE ROOF TRUSSES. PROVIDE AN EXPANDED METAL MESH GRILLE WITHOUT DAMPER ON THE END OF THE DUCT. SEE DETAIL ON M3.10.
- ⑥ EXISTING CONDENSATE DRAIN WITH VENTED P-TRAP IS DISCHARGING TO NEAREST ROOF DRAIN. REFER TO DETAIL ON SHEET M4.00 FOR INFORMATION.
- ⑦ NEW ROOF MOUNTED GENERAL EXHAUST FAN. INSTALL AS SHOWN ON ROOF. PROVIDE ON NEW INSULATED CURB. PROVIDE FLASHING AS NEEDED. VERIFY FAN DISCHARGE IS 10'-0" MINIMUM FROM ANY OUTSIDE AIR INTAKE. FIELD VERIFY LOCATION. EXTEND DUCT DOWN 12" BELOW STRUCTURE AND PROVIDE DUCTWORK WITH BACKDRAFT DAMPER AND BIRD SCREEN. PROVIDE A WIRE MESH SCREEN AT EXHAUST AIR DUCT OPENING. REFER TO GENERAL EXHAUST FAN SCHEDULE ON SHEET M1.00 FOR INFORMATION.
- ⑧ NEW CEILING MOUNTED TOILET EXHAUST FAN. PROVIDE DUCTWORK WITH BACKDRAFT DAMPER AND ROUTE UP THRU ROOF AS REQUIRED. PROVIDE RAINCAP AT DISCHARGE THRU ROOF. VERIFY TOILET EXHAUST DISCHARGE IS AT LEAST 10'-0" AWAY FROM ANY OUTSIDE AIR INTAKE. REFER TO EXHAUST FAN SCHEDULE ON SHEET M1.0. SEE DETAIL ON SHEET M3.00.



1 MECHANICAL FLOOR PLAN - PART B
1/16"=1'-0"



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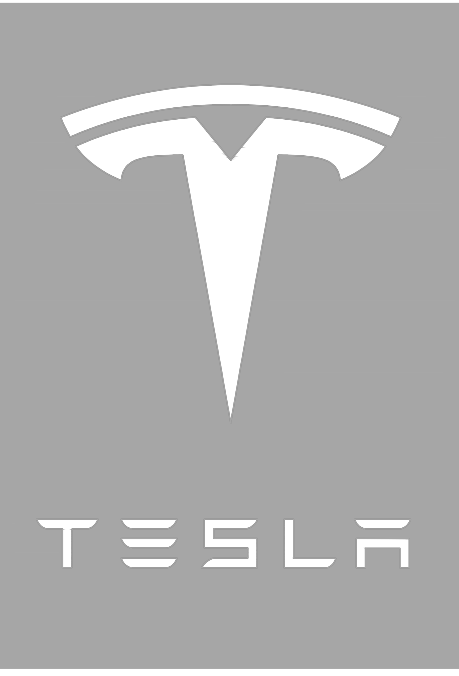
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**MECHANICAL
FLOOR PLAN -
PART B**

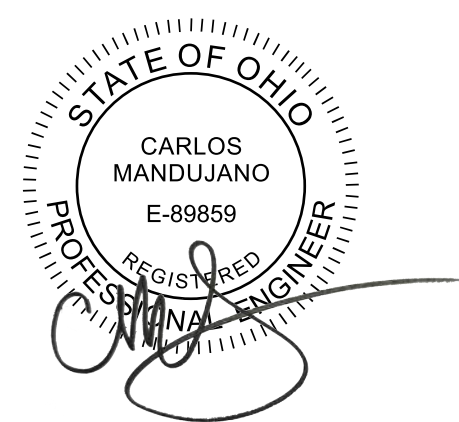
SCALE: AS NOTED
TRT PROJECT: 15374
PROJECT NUMBER: 22-0055

SHEET NUMBER

M2.01B



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ENLARGED MECHANICAL FLOOR PLANS

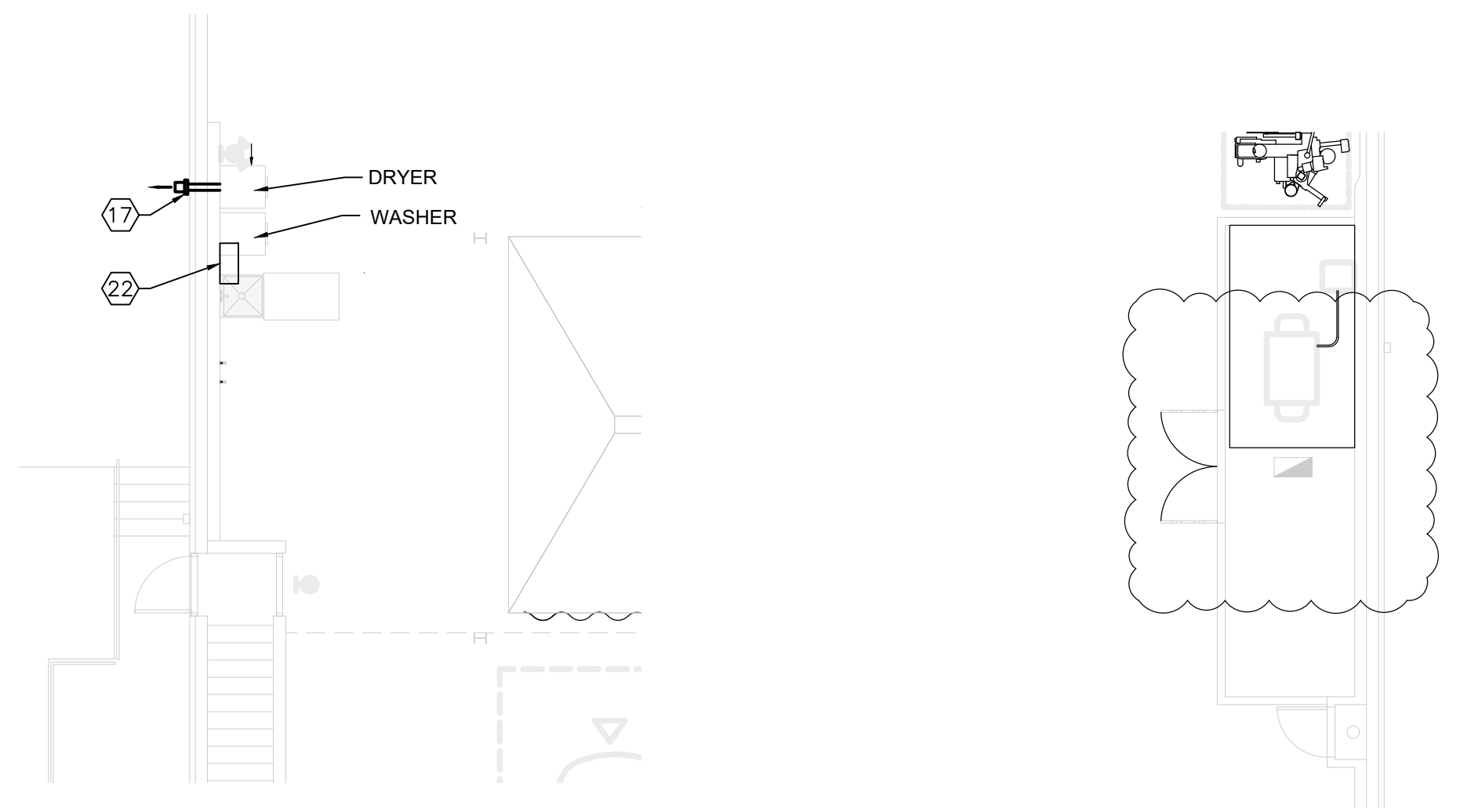
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SHEET NUMBER

M2.02

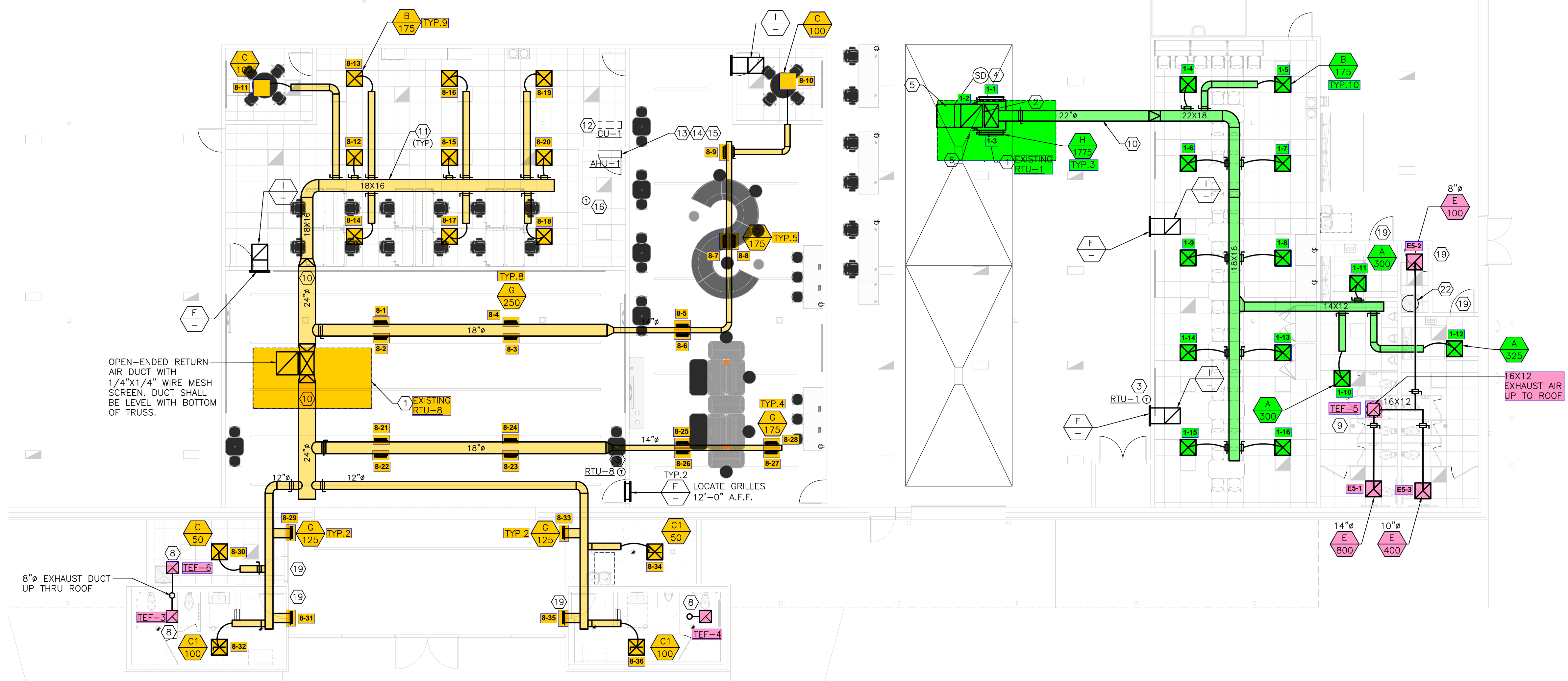
HVAC KEYED NOTES:

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- GALVANIZED STEEL SUPPLY AIR PLENUM BOX INSTALLED WITH TOP OF PLENUM BOX FLUSH WITH THE BOTTOM OF THE ROOF BAR JOISTS. INSTALL A SUPPLY AIR REGISTER WITH DAMPER, GALVANIZED FINISH, IN EACH SIDE OF THE SUPPLY AIR PLENUM BOX AS SHOWN AND BALANCE EACH GRILLE TO EQUAL PORTIONS OF THE RTU TOTAL SUPPLY AIR CFM. SEE DETAIL ON M3.10. (TOTAL OF 20)
- PROGRAMMABLE THERMOSTAT FOR NEW ROOFTOP UNIT. COORDINATE WITH ELECTRICAL CONTRACTOR FOR MOUNTING LOCATION. EXTEND SUPPLY WIRING AS REQUIRED. PROVIDE LOCKING COVERS FOR THERMOSTATS.
- PROVIDE NEW SMOKE DETECTOR IN THE RETURN AIR DUCT AS SHOWN. SMOKE DETECTOR SHALL BE INTERLOCKED WITH ROOFTOP UNIT TO SHUT DOWN UPON THE PRESENCE OF SMOKE.
- PROVIDE HORIZONTAL LENGTH OF FULL-SIZE RETURN AIR DUCT INSTALLED AS HIGH AS POSSIBLE BELOW THE ROOF DECK BETWEEN THE ROOF TRUSSES. PROVIDE AN EXPANDED METAL MESH GRILLE WITHOUT DAMPER ON THE END OF THE DUCT. SEE DETAIL ON M3.10.
- PROVIDE CONDENSATE DRAIN WITH VENTED P-TRAP AND DISCHARGE ONTO SPLASH BLOCK. REFER TO DETAIL ON SHEET M4.00 FOR INFORMATION.
- NEW ROOF MOUNTED GENERAL EXHAUST FAN. INSTALL AS SHOWN ON ROOF. PROVIDE ON NEW INSULATED CURB. PROVIDE FLASHING AS NEEDED. VERIFY FAN DISCHARGE IS 10'-0" MINIMUM FROM ANY OUTSIDE AIR INTAKE. FIELD VERIFY LOCATION. EXTEND DUCT DOWN 12" BELOW STRUCTURE AND PROVIDE DUCTWORK WITH BACKDRAFT DAMPER AND BIRD SCREEN. PROVIDE A WIRE MESH SCREEN AT EXHAUST AIR DUCT OPENING. REFER TO GENERAL EXHAUST FAN SCHEDULE ON SHEET M1.00 FOR INFORMATION.
- NEW CEILING MOUNTED TOILET EXHAUST FAN. PROVIDE 6"Ø DUCTWORK WITH BACKDRAFT DAMPER AND ROUTE UP THRU ROOF AS REQUIRED. PROVIDE RAINCAP AT DISCHARGE THRU ROOF. VERIFY TOILET EXHAUST DISCHARGE IS AT LEAST 10'-0" AWAY FROM ANY OUTSIDE AIR INTAKE. REFER TO EXHAUST FAN SCHEDULE ON SHEET M1.0. SEE DETAIL ON SHEET M3.00.
- NEW ROOF MOUNTED EXHAUST FAN. INSTALL AS SHOWN ON ROOF. PROVIDE ON NEW INSULATED CURB. PROVIDE FLASHING AS NEEDED. VERIFY FAN DISCHARGE IS 10'-0" MINIMUM FROM ANY OUTSIDE AIR INTAKE. FIELD VERIFY LOCATION. PROVIDE DUCTWORK WITH BACKDRAFT DAMPER AND FLEX DUCT FOR CONNECTION TO EXHAUST GRILLE. REFER TO GENERAL EXHAUST FAN SCHEDULE ON SHEET M1.00 FOR INFORMATION. SEE DETAIL ON SHEET M3.00.
- PROVIDE NEW LOW PRESSURE SUPPLY AND RETURN AIR DUCTS AS REQUIRED INSIDE BUILDING. PROVIDE TRANSITIONS, OFFSETS, FITTINGS, HANGERS AND TERMINATIONS AS REQUIRED. DUCT DIMENSIONS ARE CLEAR INTERNAL AIR PATH DIMENSIONS. FIELD VERIFY SIZE AND LOCATION.
- PROVIDE WITH 3" THICK, 0.75 LB. DENSITY EXTERNAL INSULATION WITH A MINIMUM INSTALLED R-VALUE OF 8.0 ON SUPPLY AND RETURN AIR DUCTWORK ABOVE CEILING.
- NEW HEAT PUMP CONDENSING UNIT PART OF NEW MINI-SPLIT SYSTEM FOR I.T. ROOM PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR AT LOCATION SHOWN ON ROOF. REFER TO SHEET M2.1 FOR LOCATION. REFER TO SHEET M1.00 FOR SPLIT SYSTEM SCHEDULE.
- NEW WALL MOUNTED AIR HANDLING UNIT PART OF NEW HEAT PUMP MINI-SPLIT SYSTEM FOR I.T. ROOM PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. THE AIR HANDLING UNIT SHALL BE INSTALLED AND MINIMUM OF 4" BELOW CEILING.
- ROUTE REFRIGERANT PIPING FOR NEW MINI-SPLIT SYSTEM IN I.T. ROOM. FROM ROOF MOUNTED CONDENSING UNIT TO WALL MOUNTED AIR HANDLING UNIT. INSTALL ALL SPECIALTIES AND CONTROLS WIRING PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- ROUTE EVAPORATOR COIL CONDENSATE DRAIN FROM WALL MOUNTED AIR HANDLING WITH BUILT-IN PUMP TO SANITARY LINE. SEE PLUMBING DRAWINGS FOR CONTINUATION.
- NEW THERMOSTAT FOR MINI-SPLIT SYSTEM INSTALL AT 44" A.F.F. PROVIDE CONTROL WIRING AS REQUIRED. COORDINATE LOCATION WITH ELECTRICAL CONTRACTOR.
- PROVIDE AND INSTALL RIGID METAL DRYER VENT AND SLEEVE THRU EXTERIOR WALL. TERMINATE AT EXTERIOR WALL WITH MANUFACTURER'S APPROVED WALL CAP. REFER TO DETAIL ON SHEET M3.00. FIELD VERIFY ACTUAL CONDITIONS. MAKE FINAL CONNECTIONS TO DRYER WITH FLEXIBLE METAL VENT.
- PROVIDE NEW MANUAL VOLUME DAMPER AS REQUIRED.
- ENSURE DOOR IS 1" UNDERCUT PROPERLY FOR TRANSFER AIR.
- NOT USED.
- DOWN WITH DAMPER.
- PROVIDED AND INSTALL CONCENTRIC GAS FLUE AND COMBUSTION INTAKE FOR TANK-LESS WATER HEATER. PROVIDE 3" PVC SCHEDULE 40 CONCENTRIC VENT PIPE SYSTEM. INSTALL AS PER MANUFACTURER'S DIRECTION. VENT DISCHARGE SHALL BE AT LEAST 10'-0" AWAY FROM ANY OUTSIDE AIR INTAKE. ADJUST DISCHARGE LOCATION AS REQUIRED. FIELD VERIFY LOCATION.



3 ENLARGED PLAN - DRYER VENT
1/8"=1'-0"

2 ENLARGED PLAN - COMPRESSOR ROOM
1/8"=1'-0"



1 ENLARGED MECHANICAL FLOOR PLAN - CUSTOMER/OFFICE AREA
1/8"=1'-0"

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