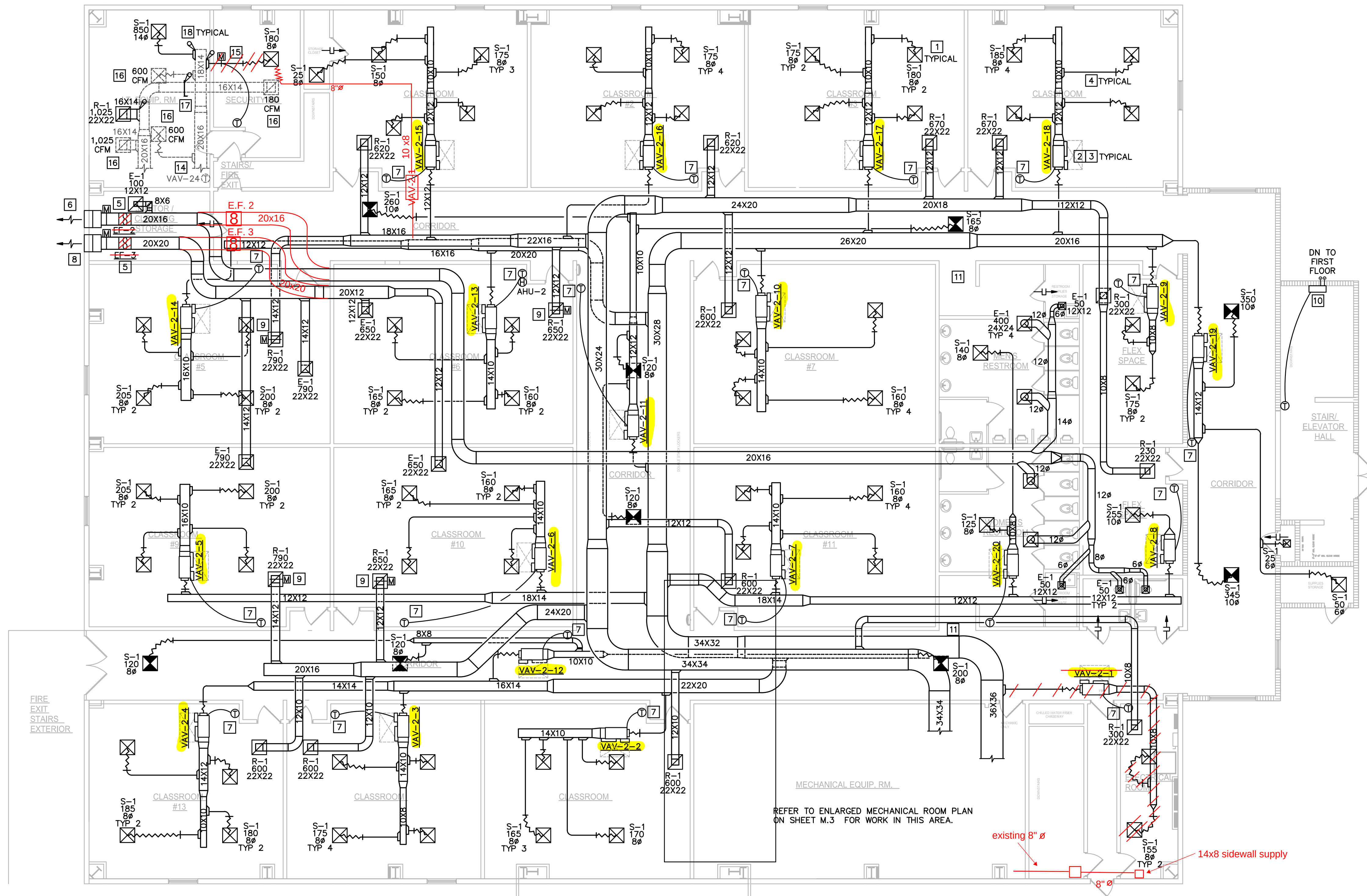
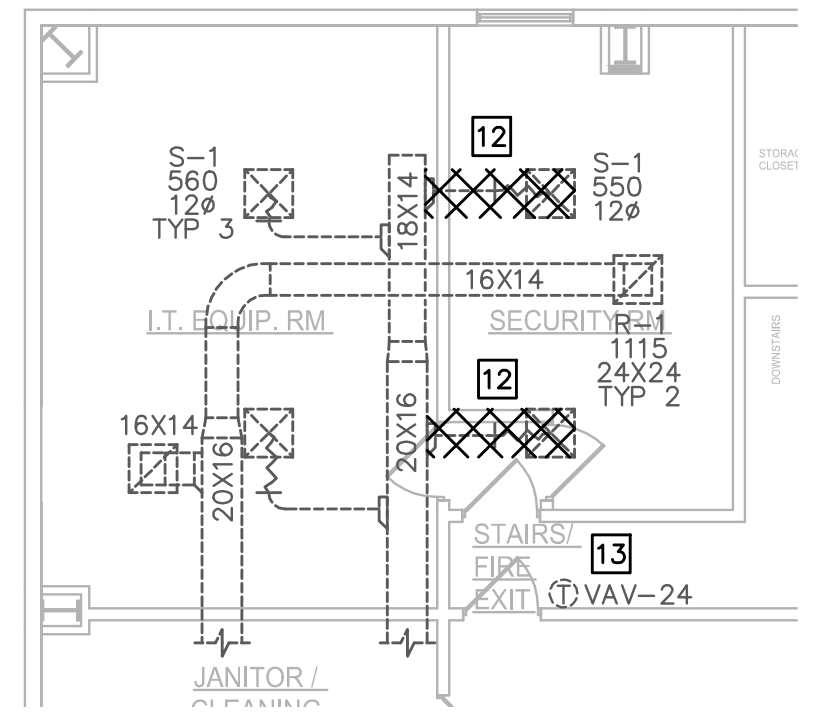




 HVAC SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

- HVAC CODED NOTES:**
- 1 DIFFUSER RUNOUT DUCT SIZE TO MATCH DIFFUSER NECK SIZE.
 - 2 REFER TO VAV BOX SCHEDULE FOR INLET DUCT SIZE.
 - 3 REFER TO HVAC DETAILS FOR SUPPORT OF VAV BOX.
 - 4 PROVIDE OPPOSED BLADE DAMPER AT ALL SUPPLY, RETURN AND EXHAUST DUCT BRANCHES. SEE HVAC DETAILS. DAMPERS ARE NOT TO BE INCLUDED ON THE MEDIUM PRESSURE DUCTS UPSTREAM OF VAV BOXES.
 - 5 REFER TO HVAC DETAILS FOR SUPPORT OF INLINE FAN.
 - 6 PROVIDE 30X36 HURRICANE WIND RATED LOUVER EQUAL TO GREENHECK MODEL EHV-901D WITH BIRD SCREEN. LOUVER COLOR AS SELECTED BY ARCHITECT. PROVIDE 12 INCH DEEP EXTERNALLY INSULATED SHEET METAL PLENUM BOX ON BACK SIDE OF LOUVER FOR DUCT CONNECTION.
 - 7 PROVIDE LOCKABLE VENTILATED METAL COVER OVER TEMPERATURE AND HUMIDITY SENSORS.
 - 8 PROVIDE 40X36 HURRICANE WIND RATED LOUVER EQUAL TO GREENHECK MODEL EHV-901D WITH BIRD SCREEN. LOUVER COLOR AS SELECTED BY ARCHITECT. PROVIDE 12 INCH DEEP EXTERNALLY INSULATED SHEET METAL PLENUM BOX ON BACK SIDE OF LOUVER FOR DUCT CONNECTION.
 - 9 PROVIDE MOTORIZED DAMPER IN RETURN DUCT ON BACK SIDE OF RETURN GRILLE, REFER TO EF-3 HVAC CONTROL DIAGRAM ON SHEET M.6 FOR MORE INFORMATION.
 - 10 PROVIDE WALL MOUNTED SPLIT SYSTEM HEAT PUMP EQUAL TO MITSUBISHI MODEL MSZ-GLO9NA (INDOOR UNIT) / MUZ-GLO9NA (OUTDOOR CONDENSER) WITH 9,000 BTU COOLING, 10,900 BTU HEATING, 24.6 SEER, AND BACKUP ELECTRIC HEAT. PROVIDE SINGLE POINT POWER CONNECTION AT OUTDOOR CONDENSER, 208/1/60, 9 MCA, 15 MOCF. PROVIDE REFRIGERANT PIPING TO CONNECT UNITS AND ROUTE AS SHOWN, SIZE PER MANUFACTURER'S RECOMMENDATIONS. ROUTE CONDENSATE PIPING TO SPLASH BLOCK ON GRADE.
 - 11 BATHROOM DOES NOT HAVE A DOOR AT ITS ENTRY, MAKE-UP AIR PASSES FREELY THROUGH BATHROOM OPENING.
 - 12 REMOVE AND DISPOSE EXISTING DUCTWORK AND AIR DEVICE AS SHOWN. REPAIR AND SEAL MAIN DUCT PENETRATION AND INSULATE TO MATCH EXISTING.
 - 13 PROTECT EXISTING THERMOSTAT FOR RE-USE.
 - 14 RELOCATE EXISTING THERMOSTAT TO NEW LOCATION SHOWN. RE-CALIBRATE TO ENSURE PROPER FUNCTIONALITY.
 - 15 INSTALL NEW MOTORIZED DAMPER. MOTORIZED DAMPER TO BE INTERLOCKED WITH NEW WALL MOUNTED THERMOSTAT.
 - 16 RE-BALANCE EXISTING AIR DEVICE TO NEW AIR FLOW SHOWN.
 - 17 PROVIDE NEW VOLUME DAMPER IN EXISTING RETURN AIR DUCT.
 - 18 CONNECT NEW DUCTWORK TO EXISTING DUCTWORK. COORDINATE EXACT DUCT ROUTE WITH EXISTING CONDITIONS AND PROVIDE ALL OFFSETS NECESSARY.



 PARTIAL SECOND FLOOR DEMO PLAN
SCALE: 1/8" = 1'-0"

REVISIONS	
NO.	DESCRIPTION

BELMONT ACADEMY FOR:
2ND FLOOR EXPANSION FOR
BELMONT ACADEMY CHARTER SCHOOL
1475 SW WALTER AVE, LAKE CITY, FLORIDA 32024

SIGNATURE: JOHN W. WELLS, III, PE
DATE: 10/04/2020
PE 0049347

Celebrating 40 Years of Service
1972-2012
N.P. Gesler, Architect
A20007005

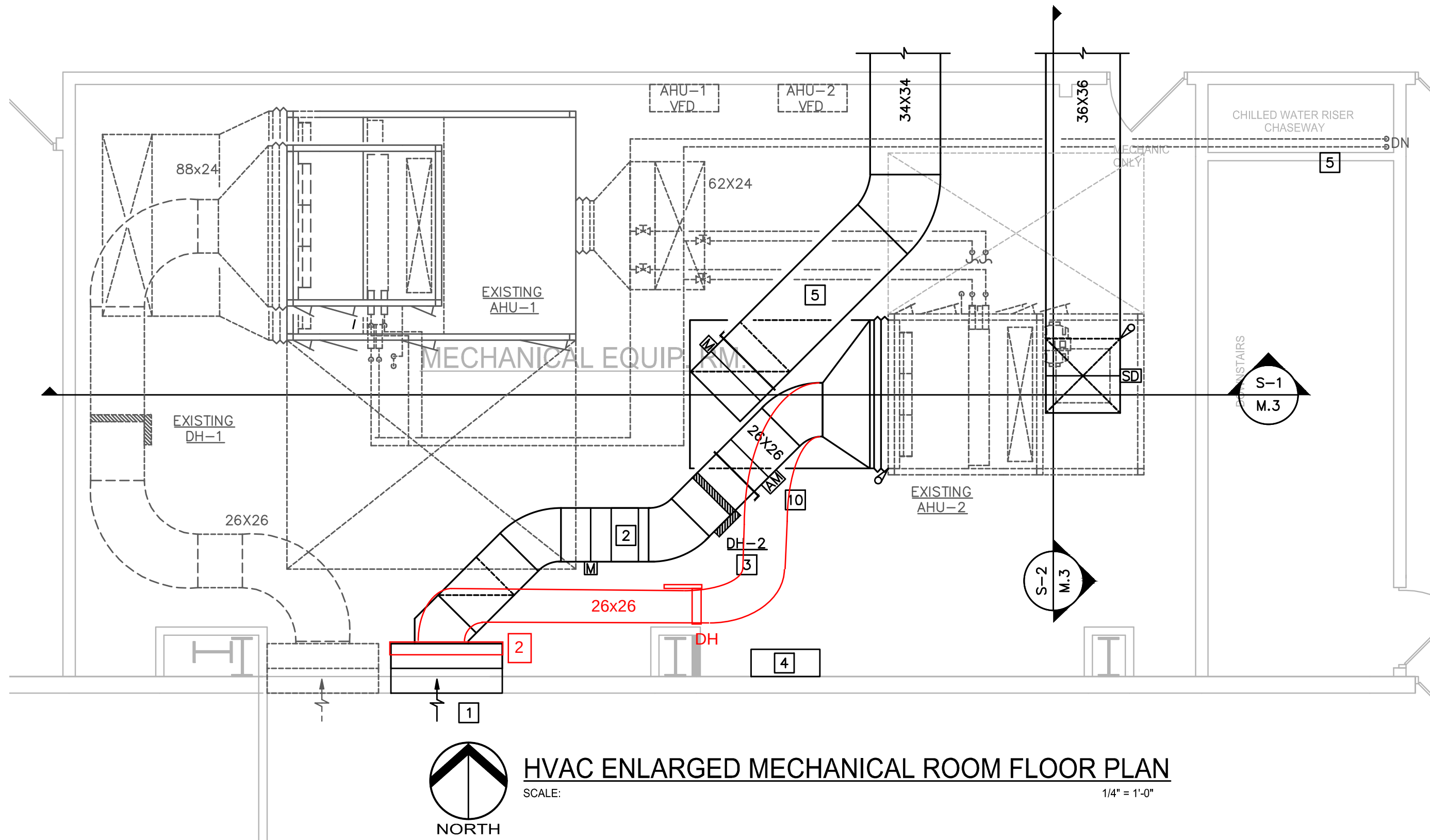
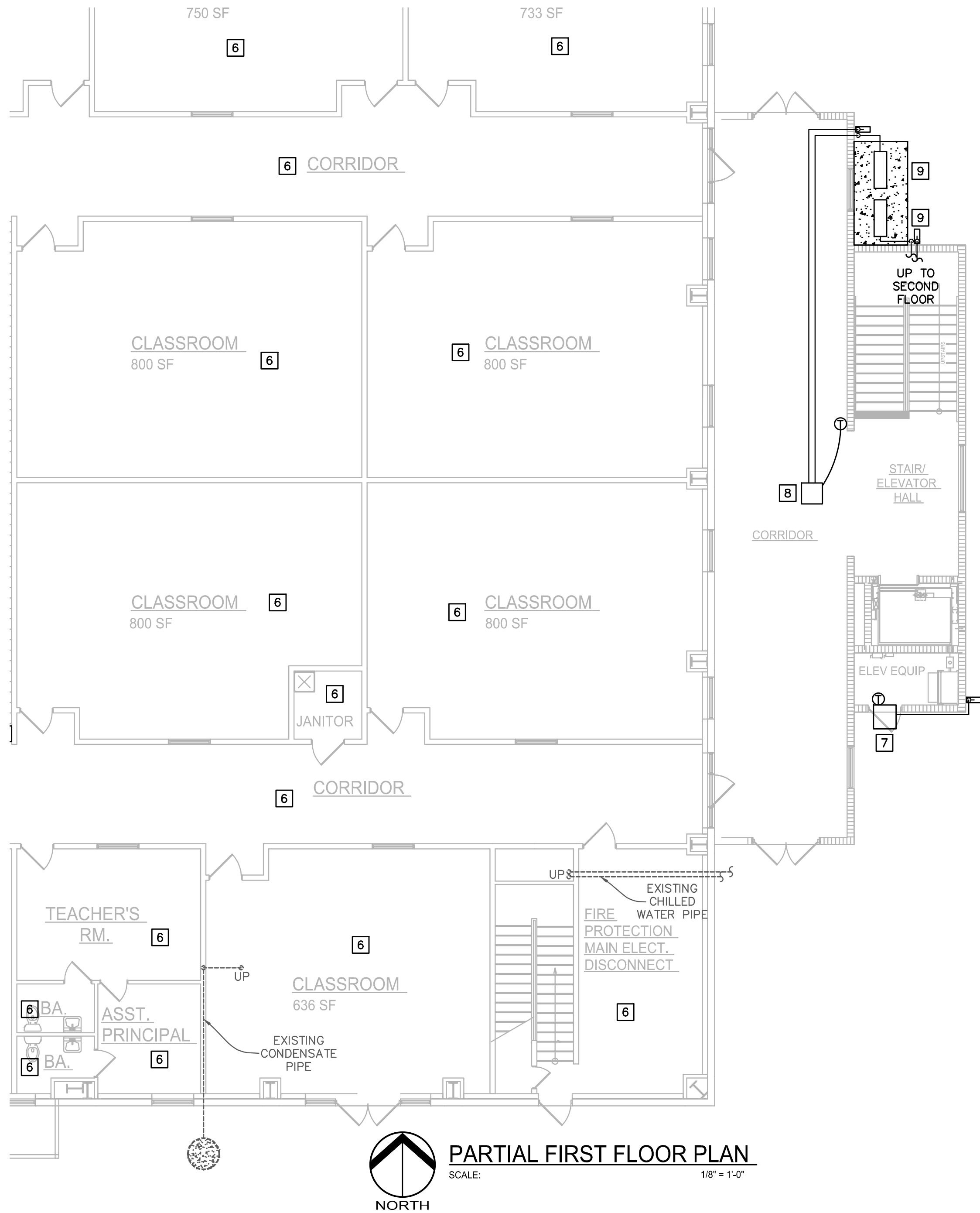

NICHOLAS
GESLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Tampa, FL 33605
(813) 255-2055
(386) 755-9021


CONSULTING ENGINEERING
ASSOCIATES, INC.
8945 SUNSHINE HIGHWAY
TAMPA, FLORIDA 33626
PHONE: (813) 448-0225
FAX: (813) 448-0225
PROJECT NUMBER: 20031

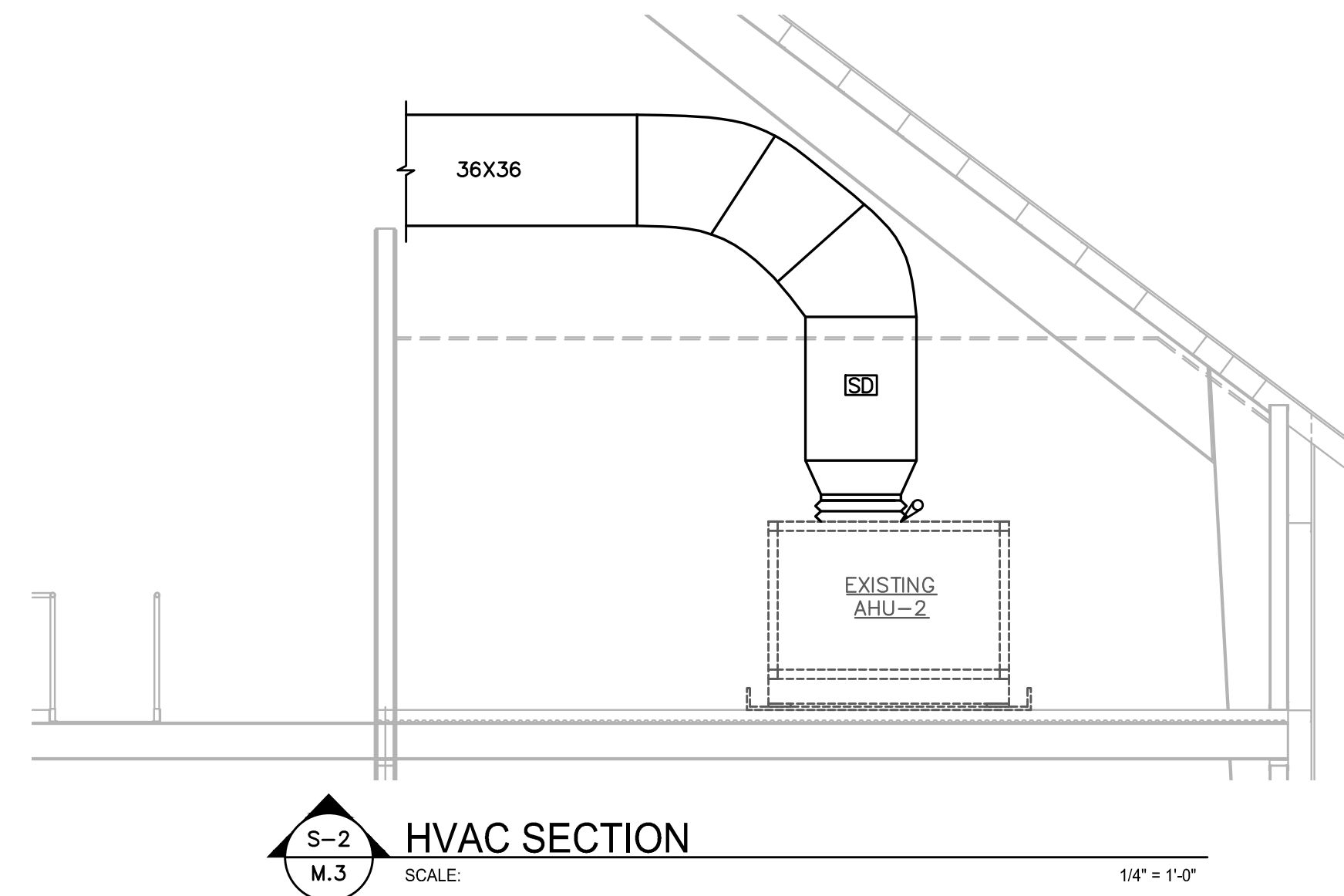
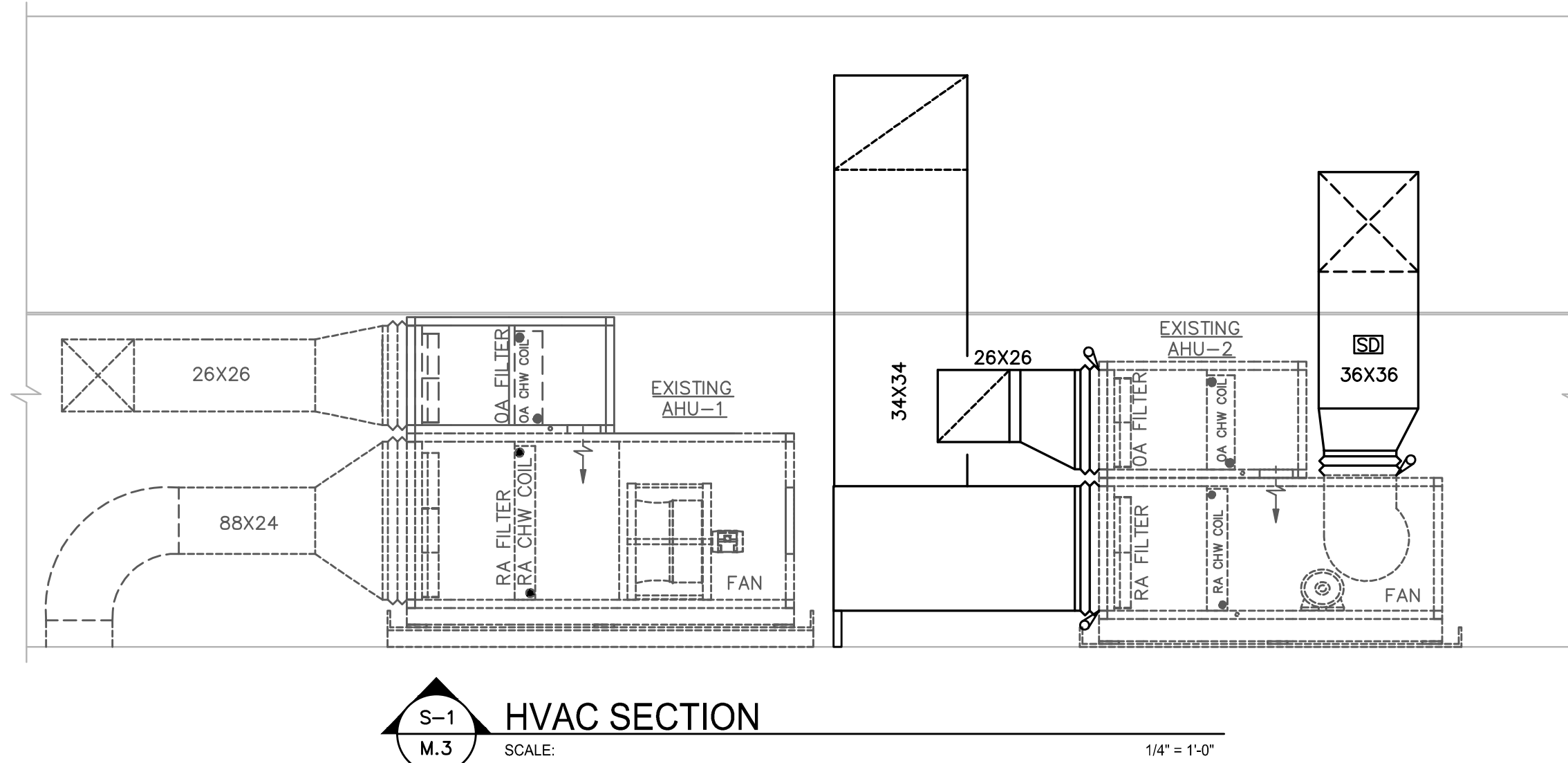
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JOB NUMBER
2K1403a
DATE:
28 SEP 2020

SHEET NUMBER
M.2



- HVAC CODED NOTES:
- 1 PROVIDE 58X54 HURRICANE WIND RATED LOUVER EQUAL TO GREENHECK MODEL EHV-901D WITH BIRD SCREEN. LOUVER COLOR AS SELECTED BY ARCHITECT. PROVIDE 12 INCH DEEP EXTERNALLY INSULATED SHEET METAL PLENUM BOX ON BACK SIDE OF LOUVER FOR DUCT CONNECTION.
 - 2 PROVIDE MERV 12 DUCT MOUNTED FILTER BOX AND FILTERS EQUAL TO AAF.
 - 3 REFER TO HVAC DETAILS FOR DUCT MOUNTED ELECTRIC STRIP HEATER.
 - 4 SPACE FOR HVAC CONTROL PANELS. COORDINATE WITH DIVISION 26 TO PROVIDE 120 VOLT POWER TO THIS LOCATION..
 - 5 EXISTING CHILLED WATER PIPING TO REMAIN.
 - 6 NO NEW WORK IN THIS AREA.
 - 7 PROVIDE THROUGH WALL PACKAGED HEAT PUMP EQUAL TO FRIEDRICH MODEL YM18L34, 18,000 BTU COOLING, 16,400 BTU HEATING, 9.5 EER, 208/1/60, WITH PLUG-IN CORD. MOUNT AS HIGH AS POSSIBLE OVER DOOR. ROUTE CONDENSATE PIPING TO SPLASH BLOCK ON GRADE.
 - 8 PROVIDE CEILING CASSETTE SPLIT SYSTEM HEAT PUMP EQUAL TO MITSUBISHI MODEL PLA-A18BA6 (INDOOR UNIT) / FUZ-A18NH46 (OUTDOOR CONDENSER) WITH 18,000 BTU COOLING, 19,000 BTU HEATING, 14.2 SEER, AND BACKUP ELECTRIC HEAT. PROVIDE SINGLE POINT POWER CONNECTION AT OUTDOOR CONDENSER, 208/1/60, 13 MCA, 20 MOCP. PROVIDE REFRIGERANT PIPING TO CONNECT UNITS AND ROUTE AS SHOWN, SIZE PER MANUFACTURER'S RECOMMENDATIONS. ROUTE CONDENSATE PIPING TO SPLASH BLOCK ON GRADE.
 - 9 REFER TO DETAIL ON SHEET M.5 FOR SUPPORT OF CONDENSER.
 - 10 NEW AIRFLOW MONITORING STATION EQUAL TO EBTRON GOLD.



REVISIONS	
NO.	DESCRIPTION

BELMONT ACADEMY FOR:
2ND FLOOR EXPANSION FOR
BELMONT ACADEMY CHARTER SCHOOL
1475 SW WALTER AVE, LAKE CITY, FLORIDA 32024

DATE: 1972-2012
SIGNATURE: JOHN W. WELLS, III, PE
PE 0049347

40 Years of Service
N.P. Gaskin, Architect
A200070105

NICHOLAS PAUL GESLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Tampa, FL 33605
(386) 755-9021

CEA

CONSULTING ENGINEERING ASSOCIATES, INC.
8365 SUNN HIGHWAY
TAMPA, FLORIDA 33626
PHONE: (813) 448-0225
REGISTRY: 3962
PROJECT NUMBER: 20031

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JOB NUMBER
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DATE:
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SHEET NUMBER
M.3