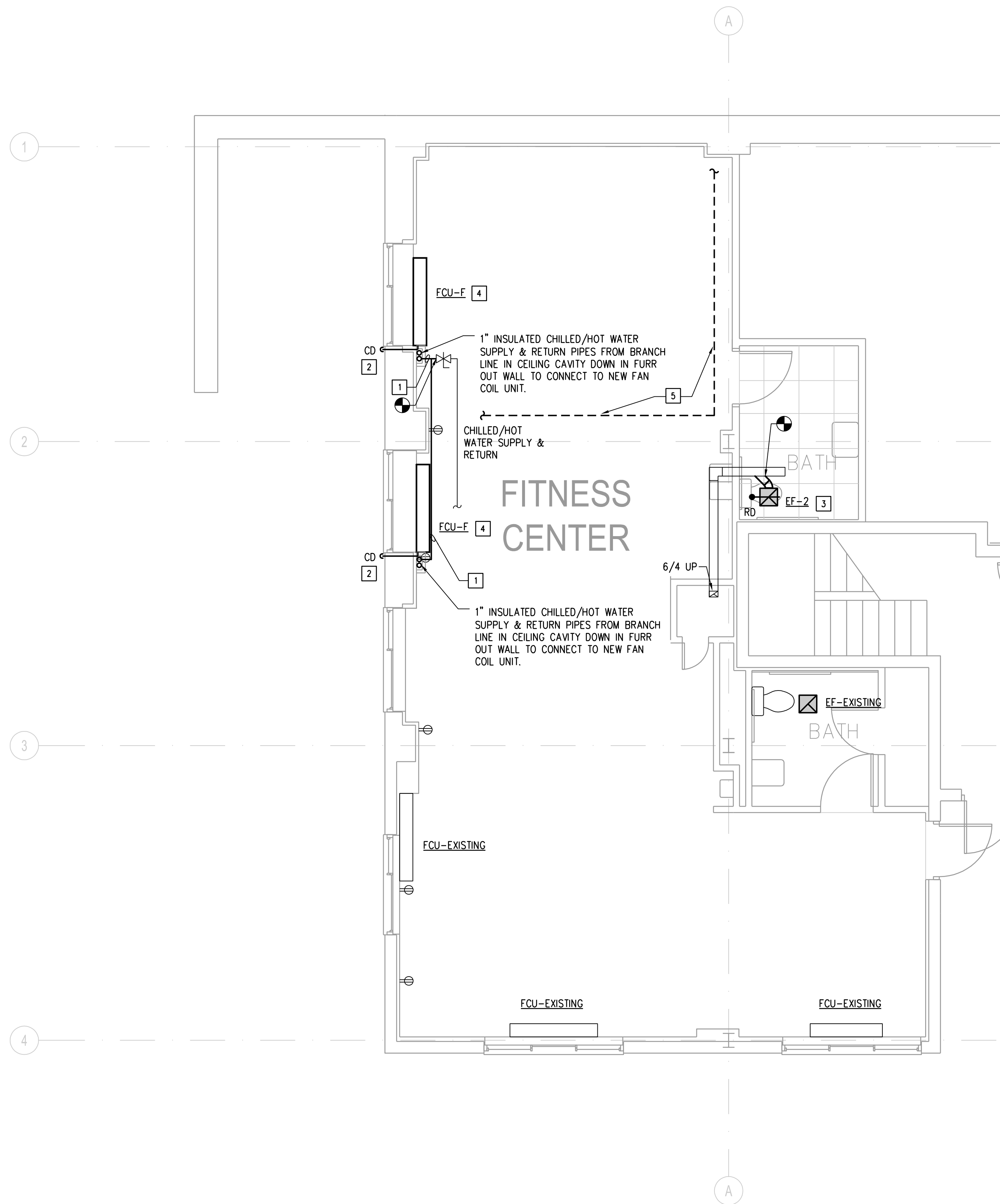




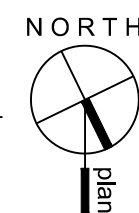
I certify that these documents were prepared by or approved by me and that I am a duly licensed professional engineer under the laws of the State of Maryland, license number 18505 expiration date 6/30/15.

**H.V.A.C. KEYNOTES [X]:**

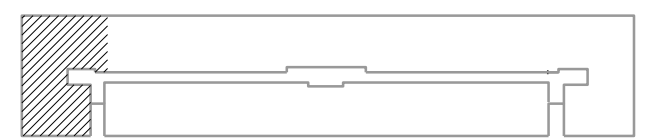
1. FIELD VERIFY LOCATION OF THE EXISTING SUPPLY AND RETURN CHILLED/HOT WATER PIPING AND ISOLATION VALVES. VERIFY CONDITION AND FUNCTION OF EXISTING VALVES. REPAIR OR PROVIDE NEW VALVES AS REQUIRED FOR PROPER FUNCTION. ROUTE NEW 1" COPPER CHILLED/HOT WATER SUPPLY AND RETURN PIPES FROM ISOLATION VALVES AND DROP DOWN IN A FURR OUT WALL AS SHOWN AND CONNECT TO EACH NEW FAN COIL UNIT. INSULATE CHILLED/HOT WATER WITH MINIMUM 1" "AP ARMAFLEX SHIELD" WITH WHITE LAMINATED JACKET INSULATION AND SEAL ENTIRE LENGTH OF THE PIPING VAPOR PROOF.
2. ROUTE FULL SIZE CPVC CONDENSATE DRAIN LINE FROM CONDENSATE DRAIN PUMP DISCHARGE FOR EACH FAN COIL UNIT UP THEN TO EXTERIOR WALL. TURN DOWN AND TERMINATE AT GRASS AREA. INSULATE ALL CONDENSATE LINES WITHIN THE BUILDING WITH 3/4" ARMAFLEX ELECTROMETRIC INSULATION.
3. PROVIDE NEW EXHAUST FAN WITH CEILING RADIATION DAMPER AND BACK DRAFT DAMPER IN RESTROOM. ROUTE 4" Ø EXHAUST DUCT IN RESTROOM TO EXISTING EXHAUST DUCT BRANCH IN THE AREA. PROVIDE BACK DRAFT DAMPER IN EACH EXHAUST FAN BRANCH.
4. PROVIDE FLOOR MOUNTED 2 PIPE CHILLED/HOT WATER FAN COIL UNIT WITH INTEGRAL THERMOSTAT TO BE MOUNTED ON TOP OF THE UNIT. UNIT TO BE PROVIDED WITH EXPOSED TYPE CABINET AND INTEGRAL CONDENSATE PUMP AND FLOAT SWITCH TO SHUT DOWN THE UNIT IN CASE OF CONDENSATE LINE BLOCKAGE. COORDINATE THE CABINET FINISH WITH ARCHITECT AND MATCH WITH COLOR OF EXISTING TO REMAIN UNITS IN FITNESS CENTER.
5. EXISTING PVC CONDENSATE COLLECTION PIPING IN THIS AREA SERVING FLOOR ABOVE IS IN CONFLICT WITH FITNESS CENTER NEW RAISED CEILING. CONTRACTOR SHALL DEMO AND RE-ROUTE THE EXISTING CONDENSATE DRAIN COLLECTION PIPING IN THIS AREA WITH SAME SIZE CPVC PIPE AND INSULATE WITH 1" "AP ARMAFLEX SHIELD" WITH WHITE LAMINATED JACKET. RAISE THE PIPING AS MUCH AS POSSIBLE CLOSE TO FIRST FLOOR SLAB AND INSTALL ALONG AND CLOSE TO EXTERIOR WALLS. AVOID ROUTING TOWARD MIDDLE OF THE SPACE KEEPING THE LINE SAFE FROM POTENTIAL HIT AND DAMAGE. DROP DOWN IN A FURR OUT WALL THEN PENETRATE EXTERIOR WALL AND TERMINATE AT GRASS AREA WITH A 90° ELBOW FACING DOWN SIMILAR TO EXISTING CONDITIONS.



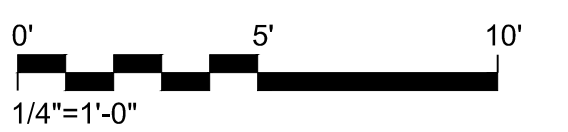
1 PARTIAL BASEMENT FLOOR PLAN - H.V.A.C.  
M-102 SCALE: 1/4"=1'-0"



key plan



graphic scales



project:	21413
phase:	PERMIT SET
date:	16 February 2015
revisions:	

BUILDING 5800 PARTIAL  
BASEMENT FLOOR PLAN -  
H.V.A.C.

**M-102**