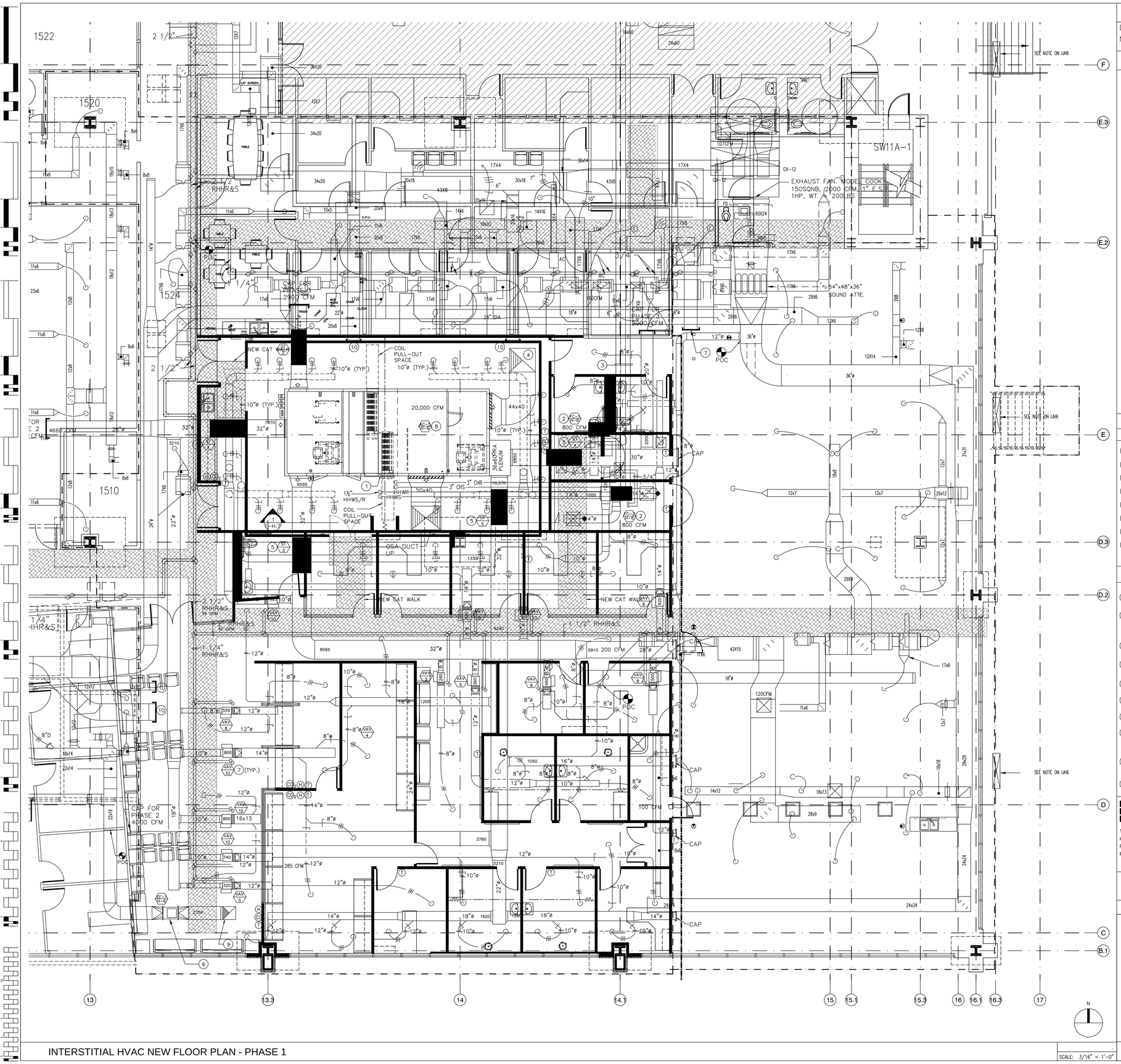

three inches = one foot
one and one-half inches = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot

LEGEND

DEMO = BOLD/DASHED EXIST = LIGHT/CONTINUOUS
NEW = BOLD/CONTINUOUS

SYMBOLS

- 2X2 EXHAUST DIFFUSER (REFER TO DETAIL)
- 2X2 SUPPLY DIFFUSER (REFER TO DETAIL)
- T – THERMOSTAT @ 60" AFF PROVIDE 3/4" EMT STUB W/JBOX IN INTERSTITIAL MODEL "JOHNSON CONTROLS" TMX1600 SERIES (DIGITAL) 7-4000-605 BACKING PLATE ADJUSTING KNOB DOUBLE INSULATED TUBING
- FLEX DUCT W/MANUAL DAMPER (UNINSULATED FOR EXHAUST, INSULATED FOR SUPPLY) ALL FLEX DUCT TO BE "ALUMINAFLEX" OR EQUAL MAX. LENGTH 7'-0"
- 150 – AIR VOLUME IN CUBIC FEET PER MINUTE
- DIRECTION OF FLOW
- TOP CONNECTION, 45+ OR 90+
- BOTTOM CONNECTION, 45+ OR 90+
- SIDE CONNECTION
- CAPPED OUTLET
- RISE OR DROP IN PIPE
- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK.
- RHWR — REHEAT WATER RETURN
- RHWS — REHEAT WATER SUPPLY
- CH — CHILLED WATER SUPPLY
- CHR — CHILLED WATER RETURN
- EXISTING TO BE DEMOLISHED
- AC 1 – EQUIPMENT TAG
- PHASE LINE

SHEET NOTES

NO.	SPEC/REF	DESCRIPTION
1	232113	CONDENSATE DRAIN PIPING.
2	238200	CONVECTION HEATING & COOLING UNITS.
3	232113	HYDRONIC PIPING.
4	233400	FANS AND VENTILATORS.
5	233100	HVAC DUCTS AND CASINGS.
6	233400	HVAC FANS.
7	233600	AIR TERMINAL BOXES.
8	237300	INDOOR CENTRAL STATION AHUs.

KEY NOTES

1. 1" CONDENSATE DRAIN TO FLOOR SINK. SEE PLUMBING DRAWING FOR LOCATION.
2. NEW FAN COIL UNIT. ROUTE 3/4" PRIMARY AND SECONDARY PIPING SLOPED TOWARDS THE FLOOR SINK. SEE PLUMBING DRAWING FOR LOCATION.
3. HEATING HOT WATER SUPPLY/RETURN AND CHILLED WATER SUPPL/RETURN PIPING.
4. RELIEF AIR DUCT UP THRU NEW MECHANICAL ROOM ROOF.
5. SOUND TRAP. SEE EQUIPMENT SCHEDULE. SHEET 1-H.2
6. EXHAUST FAN. SEE EQUIPMENT SCHEDULE SHEET 1-H.2.
7. NEW TERMINAL REHEAT BOX, (TYP.)
8. AIR HANLING UNIT, SEE SCHEDULE SHEET 1-H.2. FIELD VERIFY THE EXISTING TRUSSES PRIOR TO THE INSTALLATION OF AC UNIT AND DUCTWORK CONNECTION.
9. 22x22 EXHAUST AIR DUCT UP THRU 2ND FLOOR DECK TO NEW VENTILATOR V-3.
10. CAP EXIST. DUCTWORK ALONG THIS LINE, THIS PHASE, (TYP.)

GENERAL NOTES

1. ALL DIFFUSERS ARE TO HAVE MANUAL DAMPERS.
2. ALL DUCTWORK AND HVAC PIPING SCHEDULED FOR REMOVAL SHALL BE REMOVED IN ITS ENTIRITY BACK TO AN APPROPRIATE MAIN DUCT OR LINE WHICH IS TO REMAIN IN SERVICE.
3. ALL DUCTWORK AND HVAC PIPING SHALL NOT IMPEDE MOVEMENT ALONG CATWALK. ROUTE ABOVE AND BELOW AS REQUIRED. MAIN DUCT OR LINE WHICH IS TO REMAIN IN SERVICE.
4. "WARNING" ASBESTOS PRESENT IN INTERSTITIAL FIRE PROOFING ON STRUCTURAL STEEL TRUSSES AND OVERSPRAY ON 4" I-BEAMS AND ON CONCRETE DECKS. CONTRACTOR TO WEAR RESPIRATOR AND PROTECTIVE COVERALLS IAW LOCAL, STATE & FEDERAL REGULATIONS.
5. "WARNING" ASBESTOS DISTURBANCE REHEAT BOX PROCEDURE: PRIOR TO TAPPING THE MAIN SUPPLY & EXHAUST AIR DISTRIBUTION DUCT, A REQUEST FOR SHUTDOWN OF THE AIR HANDLER UNIT WILL BE REQUIRED TO PROVIDE & INSTALL THE NEW SADDLE TAP/DAMPER, THEN RE-ENERGIZE THE AIR HANDLER UNIT TO AVOID ANY HIGH VOLUME AIR MOVEMENT IN THE INTERSTITIAL AT ALL TIMES.
6. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF DIFFUSERS AND REGISTERS. VARY LOCATIONS AS REQUIRED TO MATCH FINAL ARCHITECTURAL REFLECTED CEILING PLANS WHEN ISSUED.
7. PROVIDE ADEQUATE OFFSETS, TRANSITIONS, RISER, AND DROPS TO MISS AUTOMATIC SPRINKLERS, PLUMBING LINES, CONDUIT, AND OTHER DUCTS.
8. LOCATE ALL ROOM SENSORS 5'- 0" ABOVE FINISHED FLOOR. LOCATE ALL THERMOSTATS 4'-0" ABOVE FINISHED FLOOR.
9. FILL ALL VOIDS AROUND DUCTS AND PIPES WHERE FIRE DAMPERS OCCUR WITH APPROVED EQUIVALENT TWO HOUR MATERIALS.
10. INCREASE ALL ROUND DUCTS ONE SIZE AT POINT OF CONNECTION TO MAIN DUCT.
11. ALL DUCT INSULATION, FLEX-DUCT, PIPE INSULATION, SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND SMOKE DEVELOPED OF NOT MORE THAN 50.
12. PROVIDE EQUIPMENT WITH A PERMANENT LABEL AFFIXED TO THE EQUIPMENT WHICH WILL EITHER CLEARLY INDICATE THE ROUTINE MAINTENANCE ACTIONS WHICH MUST BE PERFORMED TO MAINTAIN THE EQUIPMENT IN EFFICIENT, OR REFER TO A MAINTENANCE MANUAL IN THE ENGINEERING DEPARTMENT.
13. DAMPER MANUFACTURERS LABEL SHALL INDICATE MAXIMUM LEAKAGE OF 3%.
14. ALL DUCT INSULATION, AND WRAPPING SHALL HAVE A MOLD-HUMIDIFY AND EROSION RESISTANT FACE THAT MEETS THE REQUIREMENTS OF U.M.C. STANDARDS NO. 1-10.
15. DRAWINGS SHOW PIPE AND DUCTWORK DIAGRAMMATIC. ADHERE TO DRAWINGS AS CLOSELY AS POSSIBLE IN LAYOUT WORK. VARY RUN OF PIPING, RUN AND SHAPE OF DUCTWORK AND MAKE OFFSETS DURING PROGRESS OF WORK AS REQUIRED TO MEET STRUCTURAL AND OTHER INTERFERENCES AS APPROVED BY THE ARCHITECT. INSTALL PIPING AND DUCTWORK IN FURRED SPACES WHEREVER POSSIBLE. RUN EXPOSED PIPING AND DUCTWORK PARALLEL TO, OR AT RIGHT ANGLE TO BUILDING WALLS. KEEP HORIZONTAL LINES AS CLOSE TO BOTTOM OF STRUCTURE AS POSSIBLE. CONFORM TO CEILING HEIGHTS ESTABLISHED ON ARCHITECTURAL DRAWINGS.
16. PROVIDE TURNING VANES IN ALL SQUARE ELBOWS.
17. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR BUILDING LOCATIONS, DIMENSIONS AND GRADE ELEVATIONS.
18. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
19. SYMBOLS AND ABBREVIATIONS ARE SHOWN FOR REFERENCE; NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED.
20. THE PREMISES AND EXISTING BUILDING AT THE SITE WILL BE IN USE AT THE TIME THE WORK OF THIS CONTRACT IS IN PROGRESS. CONDUCT WORK SO AS TO CAUSE NO INCONVENIENCE OR DANGER TO THE PERSONNEL ON THE PREMISES. MAINTAIN CONTINUITY OF SERVICE TO THE EXISTING HVAC SYSTEM, HOT & COLD WATER AND SANITARY SEWER SYSTEMS, EXCEPT FOR DESIGNATED INTERVALS DURING WHICH CONNECTIONS CAN BE MADE. THE SCHEDULING OF THE SHUT DOWN PERIOD SHALL BE AT A TIME DIRECTED BY THE OWNER'S REPRESENTATIVE.
21. ALL CONDENSATE DRAIN LINES SHALL BE INSULATED.

TMAD TAYLOR & GAINES
- STRUCTURAL
- MECHANICAL
- ELECTRICAL
- CIVIL

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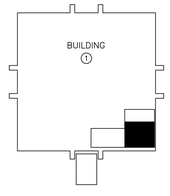
OEF / OIF Transition Center

Interstitial HVAC New Floor Plan - Bid alternate

BUILDING NO. 1



KEY PLAN

Department of Veterans Affairs
3350 LaJolla Village Dr.
San Diego, California 92161

VA San Diego Healthcare System
Desert Pacific Healthcare Network

DATE:	DECEMBER 22, 2010
CHECKED:	B.O.
DRAWN:	T.N.
SCALE:	AS NOTED
DRAWING No.	SD-2312
	1-H.6A
SHEET NO. 7	OF 127
PROJ. No.	664-CSI-102

INTERSTITIAL HVAC NEW FLOOR PLAN - PHASE 1

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100% Construction Document Submittal