



1ST FLOOR PLAN (WEST) -- HVAC
1/8"=1'-0"

- LEGEND NOTES:
(APPLY THIS SHEET ONLY)
- EXISTING BASEBOARD HEAT TO REMAIN.
 - RELOCATE EXISTING THERMOSTAT TO NEW LOCATION SHOWN. COORDINATE WITH NEW FURNITURE LAYOUT AND ARCHITECT PRIOR TO INSTALLING IN NEW LOCATION.
 - ROUTE 8" EXHAUST DUCT TO EXISTING BATHROOM EXHAUST FROM THE EXISTING RESTROOM GROUP. REBALANCE TOILET EXHAUST FAN FOR AN ADDITIONAL 150 CFM.
 - CONTRACTOR TO BREAK EXISTING BASEBOARD HEATING SECTIONS IN THIS AREA OR COORDINATE WALL CONSTRUCTION AS REQUIRED TO WORK AROUND EXISTING BASE BOARD HEAT.
 - RELOCATE EXISTING UNDERFLOOR AIR GRILLES TO NEW LAYOUT SHOWN. REUSE EXISTING CUT TILES IF POSSIBLE AND LAYOUT SHALL BE IN A UNIFORM PATTERN.
 - PROVIDE THERMOSTAT IN THIS ROOM TIED TO THE EMS AND INTERLOCKED INTO NEW TITUS ROUND FLOOR DIFFUSERS. FLOOR DIFFUSERS IN THIS ROOM SHALL ALL BE PROVIDED WITH THE OPTIONAL DBV BASKET CONTROLLED BY AN ACTUATOR TO GIVE VARIABLE AIR VOLUME CONTROL. PROVIDE WITH PRESS FIT RING AND FACE ADJUSTMENTS AND COORDINATE COLOR WITH ARCHITECT. MAXIMUM RC SHALL BE 35 AT 0.05" ESP AND MINIMUM AIRFLOW SHALL BE SET TO 0 CFM (OR OX VALVE POSITION).
 - REBALANCE EXISTING TERMINAL UNIT TO NEW CFM INDICATED. FOR DUAL DUCT BOXES, FIRST VALUE IS COOLING CFM AND SECOND IS HEATING CFM. STANDARD CFM POWERED BOXES WITH COOLING VALVE ONLY CFM SHOWN. HEATING FAN CFM SHALL REMAIN EXISTING WITH NO MODIFICATION.
 - RAISE EXISTING THERMOSTAT AS REQUIRED TO COORDINATE WITH EXISTING CUBE WALL HEIGHT IN THIS AREA.
 - CONTRACTOR TO VERIFY EXISTING THERMOSTATS IN THIS AREA AND CONNECT TO TERMINAL UNITS AS SHOWN. ANY UNUSED THERMOSTAT SHALL BE REMOVED AND WALL PATCHED AS REQUIRED.
 - DEMO EXISTING FAN COIL UNIT AND ALL ASSOCIATED DUCTWORK, CONTROLS, ETC IN THIS AREA AND CAP ALL WATERLINES ABOVE CEILING OUTSIDE OF SECURITY ROOM.
 - CONNECT TO EXISTING TERMINAL UNIT IN THIS AREA. SEE SHEET M1.101E FOR LOCATION.
 - DEMO EXISTING ZONE DAMPER THERMOSTAT AND ASSOCIATED ZONE DAMPER OUT OF THE DUCTWORK. AHU SHALL BE CONVERTED BACK TO A CONSTANT VOLUME UNIT TO SERVE THE PERIMETER ZONE.
 - DEMO RETURN DUCT AS SHOWN AND LEAVE RETURN OPEN TO THE PLENUM TO PULL FROM THE COMMON PLENUM RETURN.
 - REPLACE EXISTING DIFFUSERS AND EXHAUST GRILLES IN RESTROOM WITH NEW PLAQUE STYLE AS SPECIFIED. CONTRACTOR TO PRICE THIS SCOPE AS ALTERNATE #1.
 - ROUTE REFRIGERANT LINES BETWEEN INDOOR AND ASSOCIATED OUTDOOR UNIT. LINESETS SHALL BE SIZED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSULATED PER THE MECHANICAL SPECIFICATIONS. CONDENSATE SHALL BE ROUTED FULL SIZE TO JANITORS SINK.
 - COORDINATE EXACT CONDENSING UNIT MOUNTING LOCATION ON ROOF WITH BUILDING OWNER.
 - REMOVE RADIANT PANELS IN THIS AREA AND RETURN TO OWNER. EXISTING BASE BOARD HEAT TO REMAIN. OFFSET EXISTING HOT WATER PIPING IN EXISTING WALLS TIGHT TO COLUMNS AND RECONNECT AS REQUIRED.

- GENERAL NOTES:
- COORDINATE THE EXACT LOCATION OF ALL THERMOSTATS WITH FINAL FURNITURE LAYOUT, EQUIPMENT LAYOUT, ARCH AND OWNERS REPRESENTATIVE. NEW T'STATS SHALL MATCH BASE BUILDING T'STATS IN EVERY RESPECT. CONTRACTOR SHALL TIE THE NEW T'STATS INTO BUILDING EMS AND UPDATE IT ACCORDINGLY.
 - ALL THERMOSTATS LOCATED ON WOOD AND/OR FEATURE WALLS SHALL BE BUTTON TYPE. SEE PLANS FOR EXACT LOCATIONS. COORDINATE WITH ARCHITECTS FINISH PLANS.
 - THERE WILL BE NO LEAD ACID BATTERIES EXCEEDING A TOTAL OF 50 GALLONS OF ELECTROLYTE CAPACITY.
 - ARCHITECTURAL DRAWINGS ARE TO BE USED FOR FINAL LOCATION OF DIFFUSERS, MECHANICAL PLAN DIFFUSER LOCATIONS ARE FOR REFERENCE ONLY.
 - COORDINATE DIFFUSER SELECTIONS WITH CEILING TYPES AND ARCHITECTURAL FEATURES. SEE ARCHITECTURAL PLANS FOR ELEVATIONS AND MATERIALS.
 - ALL BOXES SHALL BE LOCATED IN AN AREA THAT ALLOWS SERVICING.
 - ALL HVAC CONTROLS MUST BE TIED INTO THE BUILDINGS' BAS SYSTEM
 - ALL DEMOLISHED HVAC EQUIPMENT WILL NOT BE DAMAGED DURING REMOVAL AND SHALL BE RETURNED TO THE OWNER. OWNER SHALL BE GIVEN PROPER NOTICE BEFORE TRANSFERRING EQUIPMENT.
 - CONTRACTOR SHALL WALK FLOOR WITH OWNER TO ENSURE ALL BOXES WILL BE ACCESSIBLE ABOVE CEILING PRIOR TO CEILING INSTALLATION.
 - ALL EXTERIOR THERMOSTATS SHALL BE INSULATED BEHIND TO AVOID INFILTRATION FROM EXTERIOR.

Date Description
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Seal / Signature
STATE OF MAINE
BRAD J. RABINOWITZ
No. 15176
LICENSED PROFESSIONAL ENGINEER
08/18/17

Project Name
Unum Workplace
Transformation- Phase 1 (HO2)
Project Number
59.6481.000
Description
1ST FLOOR PLAN (WEST) - HVAC
Scale

M1.101W