

FRONT VIEW

SIDE ELEVATION

ELEVATION OF A TYPICAL 4-PIPE VERTICAL FAN COIL UNIT  
NOT TO SCALE

SUPPLY AIR GRILLE SCHEDULE			BASIS OF DESIGN: TITUS-TYPE 300 FS	
CFM	DUCT/GRILLE SIZE	MAX NC LEVEL		
200	16X16	8		
300	16X8	12		
400	16X10	11		
600	16X12	18		
800	16X14	20		

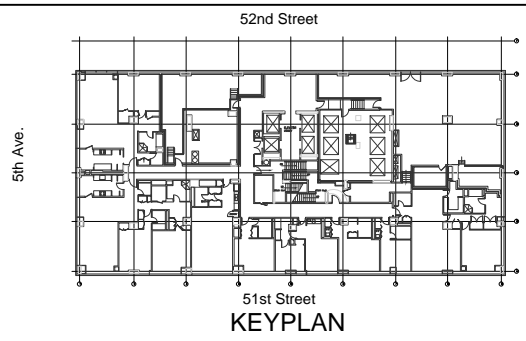
GENERAL DESCRIPTION

- EXISTING CHILLED WATER S&R, CONDENSATE DRAIN, & HOT WATER S&R RISERS TO REMAIN
- REMOVE EXISTING HOT WATER, CHILLED WATER & CONDENSATE RISER BRANCH PIPING INSULATION.  
REINSULATE CHILLED WATER SUPPLY & RETURN, AND CONDENSATE DRAIN WITH NEW 1/2" THICK CLOSED CELL FOAM,  
REINSULATE HOT WATER SUPPLY & RETURN RISERS WITH 1/2" FIBERGLASS.
- 1/2" CHILLED & HOT WATER S.S. HOSE CONNECTION WITH UNION
- DRAIN PAN CONNECTION WITH 3/4" S.S. HOSE CLAMP.
- S.S. CONDENSATE PAN.
- THERMOSTAT AND JUNCTION BOX (MOUNT APPROXIMATELY 60" A.F.F.) & WIRE TO UNIT CONTROLS AND REMOTE TEMPERATURE SENSOR.
- COOLING & HEATING COIL
- CENTRIFUGAL BLOWER AND HOUSING
- DISPOSABLE FIBER GLASS FILTER
- RETURN AIR GRILLE & ACCESS PANEL WITH MOUNTING FRAME - SECURE TIGHT TO DRYWALL ENCLOSURE
- FAN MOTOR
- SUPPLY AIR GRILLE (SEE SCHEDULE BELOW FOR SIZE)
- ELECTRICAL JUNCTION BOX - RELOCATE TO ACCOMMODATE NEW FAN COIL INSTALLATION OR INCORPORATE IN DUCT COLLAR
- QUICK DISCONNECT
- MOTORIZED CONTROL VALVE
- FLOW BALANCING VALVE & CAPPED HOSE BIB DRAIN
- 2" X 2" X 3/4" NEOPRENE ISOLATOR PADS. MOUNT UNIT & SHIM FOR PLUM & LEVEL INSTALLATION.
- 1/2" ACOUSTICAL INSULATION
- DRIP PAN WITH OVERFLOW SWITCH - WIRED TO SHUTDOWN UNIT
- AIR FILTER TRACK
- EXISTING CPVC DRAIN RISER. TYPICAL 3/4" T-CONNECTION
- CUT PIPING PENETRATION IN FAN COIL ENCLOSURE. PROVIDE NEOPRENE GROMMET IN PIPING PENETRATION & SILICONE CAULK PIPING.
- NEW 3/4" CPVC COUPLING WITH NPT THREADS
- GALVANIZED STEEL DUCT COLLAR - SECURE AND CAULK TO FAN COIL PLENUM (LENGTH & SIZE - AS REQUIRED)
- INSULATE ALL CHILLED WATER PIPING INCLUDING VALVES, FITTINGS & HOSES WITH 1/2" CLOSED CELL FOAM INSULATION.
- 3/2" SPIRAL S.S. HOSE CLAMP AND BARBED HOSE CONNECTOR FITTING
- PATCH GYPSUM WALL BOARD MATCH EXISTING THICKNESS, SPACKLE, TAPE & PRIME PAINT
- EXISTING SLAB
- EXISTING ISOLATION VALVES (1/2" COPPER - TYPICAL FOR (4), FIELD VERIFY LOCATION LEFT, RIGHT, BACK, TOP & MODIFY ARRANGEMENT TO SUIT.)
- DISCHARGE PLENUM
- MINERAL WOOL INSULATION, REPACK MINERAL WOOL & INSTALL FIRE STOPPING TO PROVIDE A 2 HOUR FIRE RATING FOR ALL RISERS AT FLOOR AND CEILING SLAB.
- PROVIDE OPENINGS IN SHEET METAL PLENUM TO ACCOMMODATE EXISTING VALVED STUBOUTS. VERIFY LOCATION IN FIELD.  
PROVIDE SHEET METAL PATCH PLATES WITH 1/2" THICK INSULATION TO SEAL PIPE PENETRATION OPENINGS. CAULK OPENING AIRTIGHT WITH SILICONED SEALANT.
- MANUAL AIR VENT (TYPICAL)
- SHEET METAL COLLAR - SECURE FAN COIL RETURN AND SEAL WALL OPENING TO PERMIT DIRECT AIR RETURN TO UNIT.
- FLASH PATCH CONCRETE SLAB TO FILL VOIDS & GAPS AROUND CONDUIT PENETRATION.
- 1/2" FEMALE COIL CONNECTION
- VACUUM ALL DUST, DIRT & CONSTRUCTION DEBRIS FROM FAN COIL & DRYWALL ENCLOSURE.
- 3/4" CLEAR PLASTIC CONDENSATE DRAIN TUBING.
- EXISTING SLAB.
- 1/2" AIR VENT VALVE AND PLUG.
- AVERAGING THERMOMETER AT FAN INLET.
- NOT USED.
- 4"-6" HIGH 1-1/2" X 1/2" WELDED ANGLE IRON FRAME WITH 2" X 2" X 1/8" BASE FEET.
- ADJUSTABLE PIPE SUPPORT CLAMP BY POWERBAR UNIVERSAL SLIDER BRACKET WITH NEOPRENE PIPE ANCHOR ATTACHMENTS AS MANUFACTURED BY SIOUX CHIEF,  
PO BOX 397, 241100 SOUTH PECULIAR DRIVE, MO. TEL# 800-821-3944. PROVIDE USB POWER BAR PART # 523-24001
- PROVIDE PLASTIC COVERED PIPE ANCHOR FOR THE CONDENSATE DRAIN RISER. LOCATE ANCHOR BELOW THE SLAB ON EACH FLOOR. USE 3/8" ANCHOR BOLT WITH MIN 2" EMBEDMENT.
- REMOTE TEMPERATURE SENSING BULB. MOUNT IN INLET AIR PLENUM BETWEEN FILTER AND FAN INLET.

REFER TO TYPE-WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

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2	REVISE THERMOSTAT LOCATION	02-24-2014	VR
1	SPECIFICATION UPGRADE	06-17-2010	ABS
NO.	ISSUE/REVISION	DATE	BY

PROJECT #:	O1961A
DATE:	10-10-2007
SCALE:	1/8" = 1'-0"
DESIGNED BY:	
DRAWN BY:	JW
REVIEWED BY:	
APPROVED BY:	PE SEAL ABOVE

PROJECT TITLE:  
**OLYMPIC TOWER  
FAN COIL  
REPLACEMENT**

DRAWING TITLE:  
**VERTICAL FAN COIL  
UNIT ELEVATION DETAIL**

DRAWING NO.

M-6

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.