VAV TERMINAL SCHEDULE

CODE	INLET SIZE	PRIMARY AIR TAKE-OFF SIZE	MAX. CFM	DOWNSTREAM S.P., IN. W.G.	PRESSURE DROP, IN. W.G.	RADIATED N.C., AT 0.50" INLET S.P.	MIN. CFM	HEATER kW	VOLTS/PHASE
1-101	10	12	1054	0.30	0.01	20	165	10.0	277/1
1-102	10	12	1054	0.30	0.01	20	165	10.0	277/1
1-103	8	8	476	0.30	0.01	--	142	4.5	277/1
1-104	12	14	1416	0.30	0.01	22	425	13.5	277/1

FAN SCHEDULE

FAN NO.	AREA SERVED	MANUFACTURER & MODEL NO.	CFM	S.P	RPM	HP	SONES	VOLTS	REMARKS
EF-1	UPS ROOM	COOK 150SQN-B	1850	3/4"	1243	1/2	12.9	115/1	
EF-2	TOILETS	COOK 80SQN-B	400	3/8"	1200	1/6	6.8	115/1	
EF-3	EG LAB	COOK 24CVB	7,200	1/2"	986	3	34	460/3	EXPLSN. PROOF MOTOR, SPARK PROOF FAN
SF-1	EG LAB	COOK 42ETS	10,826	0.21	552	1-1/2	20	460/3	PROVIDE ROOF CURB, FACTORY DISCONNECT
SF-2	EG LAB	COOK 42ETS	10,826	0.21	552	1-1/2	20	460/3	PROVIDE ROOF CURB, FACTORY DISCONNECT

NOTES: PROVIDE BACKDRAFT DAMPER AND FACTORY MOUNTED DISCONNECT FOR ALL EXHAUST FANS.
FANS WITH VFD'S SHALL HAVE PREMIUM EFFICIENT MOTORS FOR INVERTER DUTY.

PACKAGED UNIT SCHEDULE

UNIT							COOLING						PART-LOAD/ERM				HEATING		SUPPLY FAN			
NO.	AREA SERVED	TRANE MODEL NO.	VOLTS/PH	MOCP	MCA	FLA	ENTER COND. DB °F	ENTER EVAP. DB/WB °F	CFM	MIN. OA CFM	TOTAL CAP MBH	SEN. CAP MBH	ENTER COND. DB °F	ENTER EVAP. DB/WB °F	TOTAL CAP MBH	SEN. CAP MBH	INPUT MBH	OUTPUT MBH	S.P. INS.	HP	UNIT WEIGHT	OTHER DESCRIPTION
RTU-1	UPS LAB +	YCH120	460/3	30	24.9	22.5	105	85.0/67.0	4000	200	114.7	105.1	85.0	80.0/67.0	--	--	150.0	120.0	1.5	3.6	1686	HORZ. W/ECON CYCLE, REHEAT COIL, POWER EXHAUST & FACTORY DISCON.
RTU-2	EG LAB	YHC092	460/3	25	19.8	18.0	105	85.0/67.0	2100	120	80.8	65.5	85.0	80.0/67.0	--	--	120.0	96.0	1.5	3.6	1651	HORZ. W/ECON CYCLE, REHEAT COIL, POWER EXHAUST & FACTORY DISCON.

NOTES:
1. FACTORY RECEPTACLE TO BE WIRED SEPARATELY FROM UNIT POWER.
2. PROVIDE NEW AIR FILTERS UPON COMPLETION OF CONSTRUCTION. PRIOR TO AIR BALANCE. PROVIDE TWO SETS OF ADDITIONAL FILTERS FOR EACH UNIT.

DX SPLIT SYSTEM UNIT SCHEDULE

AREA SERVED	ELECTRICAL, SYSTEMS, TELCO
QTY. OF EA. UNIT	1
FAN COIL UNIT	
TAG	FCU-1
MANUFACTURER	TRANE
MODEL NO.	4TEH3F060B
EAT db/wb °F	75/63
CFM/EXT. S.P.	1870/0.7
FAN HP/VOLTS/PHASE	1/5 / 208/1
MOCP/MCA/FLA	45/42/27.7
HEATING CAPACITY kW	5.76
PIPE SIZE NO./LIQ/GAS	1 / 3/8" / 7/8"
CONDENSING UNIT	
TAG	CD-1
MANUFACTURER	TRANE
MODEL NO.	4TTA3060A4
CAPACITY TOT/SEN MBH	56.2/41.4
REFRIGERANT	R-410A
AMBIENT AIR TEMP. °F	105
VOLTS/PHASE	460/3
MOCP/MCA/FLA	20/12/9.6
PROVIDE LOW AMBIENT KIT, RUBBER ISOLATION & DEFROST CONTROL	

AIR DISTRIBUTION DEVICES SCHEDULE

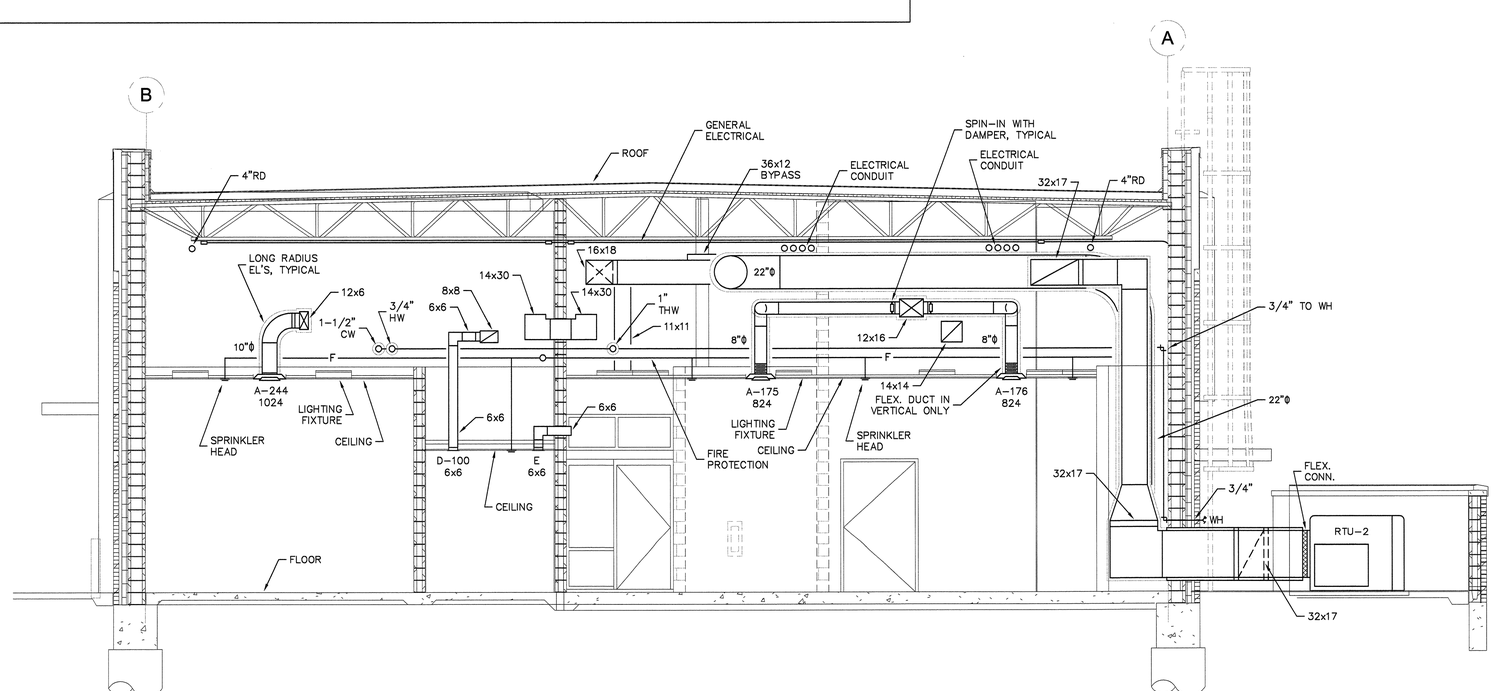
DEVICE CODE REFER TO SCHEDULE — A | 300 — AIR QUANTITY - CFM; 24X4 — SIZE OF DEVICE - INCHES

CODE	MFGR	MFGR'S NUMBER	OTHER DESCRIPTION	FINISH
A	TITUS	TMS	LOUVER FACED, FIXED PATTERN, CEILING DIFFUSER WITH NOMINAL 24X24 CEILING MODULE, OPPOSED BLADE DAMPER AND FRAME STYLE FOR T-BAR CEILING MOUNTING.	#26 WHITE
B	TITUS	300RL W/ AG-15	DOUBLE DEFLECTION SUPPLY REGISTER WITH OBD AND FRAME STYLE FOR SURFACE MOUNTING.	#26 WHITE
C	TITUS	355RL	FIXED DEFLECTION RETURN/TRANSFER GRILLE WITH FRAME STYLE FOR T-BAR MOUNTING IN CEILING.	#26 WHITE
D	TITUS	355RL	FIXED DEFLECTION EXHAUST REGISTOR WITH OBD AND FRAME STYLE FOR SURFACE MOUNTING.	#26 WHITE
E	TITUS	355RL	FIXED DEFLECTION EXHAUST/TRANSFER GRILLE WITH FRAME STYLE FOR SURFACE MOUNTING.	#26 WHITE

MECHANICAL SYMBOLS

NOTE: ALL SYMBOLS DO NOT NECESSARILY APPEAR ON PLANS.

- CW — COLD WATER - CW
- HW — HOT WATER - HW
- HWR — HOT WATER RETURN
- TW — TEMPERED WATER
- THW — TEMPERED HOT WATER
- SANITARY WASTE(DASHED UNDER FLOOR)
- SANITARY VENT
- SSD — STREET OR SITE STORM DRAIN
- SS — STREET OR SITE SANITARY SEWER
- AW — ACID WASTE
- AV — ACID VENT
- D — INDIRECT DRAIN
- RD — ROOF DRAIN
- SD — STORM DRAIN
- F — FIRE PROTECTION WATER SUPPLY
- AS — AUTOMATIC SPRINKLER
- G — GAS LOW PRESSURE
- MG — GAS MEDIUM PRESSURE
- DWS — CHILLED DRINKING WATER SUPPLY
- DWR — CHILLED DRINKING WATER RETURN
- BALL VALVE
- GLOBE VALVE
- CHECK VALVE
- MOTOR OPERATED VALVE
- BUTTERFLY VALVE
- UNION
- PLUG COCK
- GAS PRESSURE REGULATOR
- PRESSURE REDUCING VALVE
- PRESSURE RELIEF VALVE
- FLOW SWITCH
- STRAINER - WYE TYPE
- STRAINER - BASKET TYPE
- CONCENTRIC REDUCER
- PIPE ANCHOR
- EXPANSION JOINT
- PIPE GUIDE
- V.T.R. — VENT THROUGH ROOF
- V.C.T. — VITRIFIED CLAY TILE
- S.A. — SOUND ABSORBER
- M.C. — MECHANICAL CONTRACTOR
- PETE'S PLUG
- CRP — CHILLED WATER RETURN PRIMARY
- CSP — CHILLED WATER SUPPLY PRIMARY
- CRS — CHILLED WATER RETURN SECONDARY
- CSS — CHILLED WATER SUPPLY SECONDARY
- DI — DE-IONIZED WATER
- RO — REVERSE OSMOSIS WATER
- He — HELIUM GAS
- H — HYDROGEN GAS
- MVD — MANUAL VOLUME DAMPER
- EG — EMERGENCY GENERATOR
- ATV — ATMOSPHERIC VENT (STEAM)
- A — COMPRESSED AIR
- V — VACUUM PIPING
- O — OXYGEN PIPING
- S — STEAM - LOW PRESSURE
- MS — STEAM - MEDIUM PRESSURE
- HSP — STEAM - HIGH PRESSURE
- SR — STEAM RETURN - LOW PRESSURE
- MSR — STEAM RETURN - MEDIUM PRESSURE
- HSR — STEAM RETURN - HIGH PRESSURE
- CHS — CHILLED-HEATING WATER SUPPLY
- CHR — CHILLED-HEATING WATER RETURN
- HS — HEATING WATER SUPPLY
- HR — HEATING WATER RETURN
- CS — CHILLED WATER SUPPLY
- CR — CHILLED WATER RETURN
- CDS — CONDENSING WATER SUPPLY
- CDR — CONDENSING WATER RETURN
- RS — REFRIGERENT SUCTION
- RL — REFRIGERENT LIQUID
- RHG — REFRIGERENT HOT GAS
- THERMOMETER
- T.W. — THERMOMETER WELL
- Y.D. — YARD HYDRANT
- W.H. — WALL HYDRANT
- AIR ELIMINATOR-AUTOMATIC
- PRESSURE GAUGE WITH SHUT-OFF COCK
- C.O. — CLEANOUT
- FLOAT AND THERMOSTATIC TRAP
- THERMOSTATIC TRAP
- D.A. — DRIP ASSEMBLY (REFER DETAIL)
- T.A. — TRAP ASSEMBLY (REFER DETAIL)
- PITCH DOWN IN DIRECTION OF ARROW
- FLOW IN DIRECTION OF ARROW
- F.D."A" — FLOOR DRAIN TYPE "A" INDICATED
- A.D."A" — AREA DRAIN TYPE "A" INDICATED
- T — THERMOSTAT
- H — HUMIDISTAT
- C — CO2 SENSOR
- H_2 — HYDROGEN SENSOR
- P — STATIC PRESSURE SENSOR
- C.I. — CAST IRON
- G.C. — GENERAL CONTRACTOR
- E.C. — ELECTRICAL CONTRACTOR
- CONNECT TO EXISTING
- T_R — ROOM TEMPERATURE SENSOR
- T_N — NIGHT 'STAT
- FLEXIBLE CONNECTOR
- REFRIGERANT HORN & STROBE
- C.C. — HVAC CONTROLS CONTRACTOR
- FD — FIRE DAMPER



A MECHANICAL BUILDING SECTION

SCALE: 0 4' 8' 12'

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REGISTERED PROFESSIONAL ENGINEER SAMUEL SHAUN SEXTON 17660 OKLAHOMA
5-26-11

REV	DATE	DESCRIPTION	CHECK	APP'D

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
MIKE MONRONEY AERONAUTICAL CENTER - OKLAHOMA CITY, OKLAHOMA

PSL - POWER SERVICES LABORATORY

MECHANICAL SCHEDULES

Construction Work Request No: 09-018745

PREPARED BY	APPROVED BY
Rees Associates	Jon Berkman

DESIGNED SSS	ISSUED BY OFFICE OF FACILITY MANAGEMENT AMP-400	DATE MAY 26, 2011	M-301
DRAWN SSS		DRAWING NO. 08-008257 DWG	3 OF 4
WORK ORDER NO. 100111			

Cad dwg. no.	Access date	050 proj. no.	Plot Scale
10502MD1R	5-24-11	10502	1/8"=1'-0"