


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

SPLIT SYSTEM - CONDENSING UNIT SCHEDULE															
SYMBOL	NOMINAL DESIGN TONS	REFRIGERANT	AMBIENT TEMP. °F	NUMBER OF COMPRESSORS	NUMBER OF STAGES	NUMBER OF CIRCUITS	NUMBER OF FANS	ELECTRICAL					BASIS OF DESIGN MANUFACTURER	MODEL	REMARKS
								VOLT-PHASE	MCA	MOCP AMPS	DISCONNECT	CONTROLLER/STARTER			
											BY (NOTE A)	BY			
CU-B0435	1.0	R410A	95	1.0	NOTE 1	1	1	208-3	18.0	30.0	MFR	MFR	mitsubishi	PEAD	NOTE 2

- NOTES:
- VARIABLE COMPRESSOR SPEED.
 - UNIT SHALL FIT THROUGH ACCESS PATH TO CONVEYOR TUNNEL. FIELD VERIFY ACCESS PATH DIMENSIONS.

SPLIT SYSTEM - EVAPORATOR (DX) - SCHEDULE																
SYMBOL	CFM (NOTE 1)	EXT. S.P. IN W.C.	EAT		COOLING COIL		ELECTRICAL					BASIS OF DESIGN MANUFACTURER	MODEL	REMARKS		
			DB °F	WB °F	TOTAL MBH	REFRIGERANT	MOCP	MCA	VOLT- PHASE	DISCONNECT BY	CONTROLLER/STARTER TYPE					
AC-B0435	745	0.3"	80	67	12	R410A	15	2.7	208-3	MFR	MFR	MITSUBISHI	PEAD	NOTE 2		

- NOTES:
- CFM LISTED IS AT HIGH SPEED.
 - VARIABLE SPEED COMPRESSOR.

GRILLES REGISTERS + DIFFUSERS SCHEDULE										
SYMBOL	MAT'L	TYPE	MARGIN (NOTE 1)	INLET SIZE (INCH)	FACE SIZE (INCH)	VOLUME DAMPER REQ'D	FINISH	BASIS OF DESIGN MANUFACTURER	MODEL	REMARKS
CD-1	STEEL	LOUVER FACE	LAY-IN	SEE DWG.	24x24	NO	WHITE	TITUS	TMS	STAMPED LOUVER DROP FACE. MINIMUM OF TWO STEPDOWN DIFFUSION CONES
SG-1	STEEL	DOUBLE DEFLECTION	1 1/4"	SEE DWG.	INLET +2	NO	WHITE	TITUS	300R	FRONT BLADES VERTICAL UNLESS NOTED OTHERWISE
SG-2	STEEL	DOUBLE DEFLECTION	1 1/4"	SEE DWG.	INLET +2	YES	WHITE	TITUS	300R	FRONT BLADES VERTICAL
EG-1	ALUMINUM	35° DEFLECTION	1 1/4"	SEE DWG.	INLET +2	NO	WHITE	TITUS	350F	
EG-2	STEEL	PERFORATED FACE	LAY-IN	SEE DWG.	24x24	NO	WHITE	TITUS	PAR	
RG-1	STEEL	PERFORATED FACE	LAY-IN	SEE DWG.	24x24	NO	WHITE	TITUS	PAR	

- NOTES:
- CONTRACTOR SHALL DETERMINE PROPER MARGIN STYLE TO MATCH CEILING CONSTRUCTION.
 - ALL RUN OUT DUCTWORK TO DIFFUSERS SHALL BE NECK SIZE UNLESS OTHERWISE NOTED.

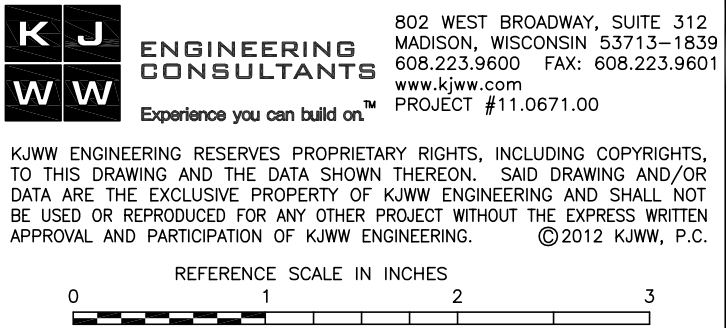
TERMINAL AIR BOX SCHEDULE - SINGLE DUCT REHEAT											
SYMBOL ###	CFM			HEATING COIL (NOTE 4)				MIN. INLET SIZE (IN.)	BASIS OF DESIGN MANUFACTURER	MODEL	REMARKS
	COOLING MAX.	HEATING MAX.	MIN.	EAT °F	LAT °F	EWI °F	Δ GPM				
VAV-B0430	575	300	300	55	95	200	0.9	8	TITUS	DESV	NOTES 1, 2, 3
VAV-B0431	160	90	90	55	95	200	0.5	4	TITUS	DESV	NOTES 1, 2, 3
VAV-B0433	150	90	90	55	95	200	0.5	4	TITUS	DESV	NOTES 1, 2, 3

- NOTES:
- NEITHER RADIATED NOR DISCHARGE SOUND LEVELS SHALL EXCEED NC 35 AT 1.5" INLET STATIC PRESSURE WHEN TESTED PER ARI STANDARD 885-98 USING 5/8" 20-LB DENSITY MINERAL FIBER CEILING TILE.
 - TOTAL AIR PRESSURE DROP OF TAB AND REHEAT COIL SHALL NOT EXCEED 0.50" WC.
 - SEE M400 SERIES DRAWINGS FOR DESCRIPTION OF CONTROL TYPE.
 - HEATING COIL IS BASED ON HEATING AIR FLOW. WATER PRESSURE DROP OF REHEAT COILS SHALL NOT EXCEED 5'. PROVIDE REHEAT COILS SEPARATE FROM BOXES IF REQUIRED TO MEET WATER PRESSURE DROP REQUIREMENTS.

TERMINAL AIR BOX SCHEDULE - DUAL DUCT									
SYMBOL ###	COOLING CFM		HEATING CFM		MIN. INLET SIZE		BASIS OF DESIGN MANUFACTURER	MODEL	REMARKS
	MAX.	MIN.	MAX.	MIN.	COOL	HEAT			
MB-B0416	350	50	350	50	6	6	TITUS	DEDV	NOTES 1, 2, 3

- NOTES:
- NEITHER RADIATED NOR DISCHARGE SOUND LEVELS SHALL EXCEED NC 35 AT 1.5" INLET STATIC PRESSURE WHEN TESTED PER ARI STANDARD 885-98 USING 5/8" 20-LB DENSITY MINERAL FIBER CEILING TILE.
 - TOTAL AIR PRESSURE DROP OF TAB AND REHEAT COIL SHALL NOT EXCEED 0.50" WC.
 - SEE M400 DRAWING FOR DESCRIPTION OF CONTROL TYPE.

- GENERAL MECHANICAL NOTES
- EXISTING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM SITE SURVEYS AND EXISTING BUILDING DOCUMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. NOT ALL PIPES, DUCTS, WIRING, ETC HAVE BEEN SHOWN.
 - UNLESS NOTED OTHERWISE, WHERE WORK REQUIRES PATCHING OF WALLS OR FLOORS THAT WILL REMAIN, THE CONTRACTOR WHOSE WORK CAUSES DAMAGE OR CREATES OPENINGS IS RESPONSIBLE FOR PATCHING AS REQUIRED TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
 - THIS CONTRACTOR SHALL COORDINATE EXACT PIPE ROUTING WITH ALL OTHER UTILITIES PRIOR TO INSTALLATION.
 - ALL MECHANICAL RELOCATION AND SHUT-DOWNS THAT WILL INTERRUPT SERVICE TO OCCUPIED AREAS BEYOND THE LIMITS OF CONSTRUCTION SHALL OCCUR AFTER NORMAL BUSINESS HOURS AND IN INTERVALS NO GREATER THAN (8) HOURS. COORDINATE SHUT-DOWN TIME WITH OWNER'S REPRESENTATIVE. NOTIFY OWNER'S REPRESENTATIVE (2) WEEKS IN ADVANCE OF ALL UTILITY INTERRUPTIONS.
 - WHERE WORK EXTENDS BEYOND THE CONSTRUCTION LIMITS OF THE RENOVATED AREA, THIS CONTRACTOR SHALL PROVIDE ADDITIONAL INDOOR AIR QUALITY BOUNDARIES AS NECESSARY TO PERFORM THE INDICATED WORK.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING UTILITIES TO ALL EXISTING AREAS WHERE THOSE AREAS ARE TO REMAIN OCCUPIED. EXTEND AND MAINTAIN TEMPORARY UTILITIES TO ALL EXISTING UTILITIES TO REMAIN WHETHER OR NOT THEY ARE SHOWN ON THESE DOCUMENTS. COORDINATE ALL TEMPORARY UTILITIES WITH THE OWNER'S INFECTION CONTROL REPRESENTATIVE.
 - EXISTING HVAC SYSTEMS SHALL ONLY BE SHUT DOWN ONE EVENING AT A TIME. SYSTEM TIE-OVERS AND OTHER WORK AFFECTING EXISTING HVAC SYSTEMS SHALL BE COORDINATED AND PREPARED TO MINIMIZE DOWNTIME LENGTH.
 - THIS CONTRACTOR SHALL COORDINATE LOCATIONS OF CONTROL WIRING WITH GENERAL CONTRACTOR FOR CUTTING AND PATCHING OF EXISTING WALLS.
 - IN CASE OF CONFLICTS OR DISCREPANCIES WITHIN OR AMONG THE CONTRACT DRAWINGS, THE BETTER QUALITY, MORE STRINGENT REQUIREMENTS OR GREATER QUANTITY OF WORK, AS DETERMINED BY THE GOVERNMENT, SHALL BE PROVIDED.
 - CONTRACTOR SHALL INCLUDE SCANNING OF FLOOR FOR ALL FLOOR PENETRATIONS. CONTRACTOR SHALL VERIFY THE PRESENCE OF EXISTING CONDUIT IN THE EXISTING FLOOR SLABS PRIOR TO ANY WORK TAKING PLACE.
 - REFER TO COVER SHEET OF ARCHITECTURAL DRAWINGS FOR MATERIAL STAGING AREA.
 - THIS CONTRACTOR SHALL RE-SHEAVE EXISTING UNITS V-7, V-9, EF-26, AND AC-1 AS NECESSARY TO ACHIEVE MODIFIED AIRFLOWS. CONDUCT PREBALANCE AIRFLOW READINGS AT EACH UNIT PRIOR TO CONSTRUCTION TO CONFIRM EXISTING AIRFLOWS.

Amendment No. 3	09/05/12	CONSULTANTS:		ARCHITECT:		Drawing Title	Project Title	Project Number	Office of Construction and Facilities Management Department of Veterans Affairs	
						SCHEDULES - MECHANICAL	Building 111 - Radiation Oncology Expansion	695-10-131		
						Approved Project Director	Location VA Medical Center, Milwaukee, WI	Building Number 111		
							Date 20 August 2012	Checked MJL	Drawn DAS	Drawing Number M500
										Dwg. 5 of 5