



PERMIT SET

AIR DEVICE SCHEDULE							
DESIG.	MFR./MDL.	TYPE	FACE SIZE	FINISH	FREE AREA	ACCESS.	REMARKS
CD-1	TITUS / PMC	PERF. FACE CEILING SUPPLY	AS NOTED	FINISH PER ARCHITECT	---	OPPOSED BLADE DAMPER	24"X24" SQUARE PANEL FACE, MODULAR CORE, PERFORATED SCREEN 3/16" DIAMETER HOLES ON 1/4" STAGGERED CENTERS, ROUND NECK, PROVIDE MANUFACTURER'S MOUNTING FRAME FOR GYPSUM LOCATIONS, RE: ARCHITECT REFLECTED CEILING PLAN FOR CEILING TYPE.
CD-2	TITUS / PMC	PERF. FACE CEILING SUPPLY	AS NOTED	FINISH PER ARCHITECT	---	OPPOSED BLADE DAMPER	12"X12" SQUARE PANEL FACE, MODULAR CORE, PERFORATED SCREEN 3/16" DIAMETER HOLES ON 1/4" STAGGERED CENTERS, ROUND NECK, PROVIDE MANUFACTURER'S MOUNTING FRAME FOR GYPSUM LOCATIONS, RE: ARCHITECT REFLECTED CEILING PLAN FOR CEILING TYPE.
CD-3	CAPTIVEAIRE / DH-PSP	LOUVER FACE CEILING SUPPLY	AS NOTED	STAINLESS STEEL	---	OPPOSED BLADE DAMPER	12"Ø ROUND CONNECTION.
CD-4	TITUS / ML39	LINEAR SLOT CEILING SUPPLY	AS NOTED	FINISH PER ARCHITECT	---	OPPOSED BLADE DAMPER	4.25" WIDTH FACE, LENGTH AS PER ARCHITECT. PROVIDE WITH FLUSH END CAP BORDERS, 2 - 1" SLOTS. PROVIDE MANUFACTURER'S CONCEALED MOUNTING FRAME HARDWARE FOR HARD CEILING LOCATIONS, RE: ARCHITECT REFLECTED CEILING PLAN FOR CEILING TYPE. PROVIDE CUSTOM EXTERNALLY INSULATED PLENUM, FIELD COORDINATE EXACT REQUIREMENTS.
CD-5	TITUS / OMNI	SQUARE PLAQUE FACE CEILING SUPPLY	AS NOTED	FINISH PER ARCHITECT	---	OPPOSED BLADE DAMPER	SQUARE PLAQUE FACE, REMOVABLE FACE PANEL, ROUND NECK. PROVIDE DIRECTIONAL CLIP WHERE NOTED FOR 3-WAY DISCHARGE. PROVIDE MANUFACTURER'S MOUNTING FRAME FOR GYPSUM LOCATIONS, RE: ARCHITECT REFLECTED CEILING PLAN FOR CEILING TYPE.
CR-1	TITUS / PAR-AA	PERF. FACE CEILING RETURN	AS NOTED	FINISH PER ARCHITECT	---	OPPOSED BLADE DAMPER	24"X24" SQUARE PANEL FACE, PERFORATED SCREEN 3/16" DIAMETER HOLES ON 1/4" STAGGERED CENTERS, SQUARE NECK, PROVIDE MANUFACTURER'S MOUNTING FRAME FOR GYPSUM LOCATIONS, RE: ARCHITECT REFLECTED CEILING PLAN FOR CEILING TYPE.
CR-2	TITUS / PAR-AA	PERF. FACE CEILING RETURN	AS NOTED	FINISH PER ARCHITECT	---	OPPOSED BLADE DAMPER	12"X12" SQUARE PANEL FACE, PERFORATED SCREEN 3/16" DIAMETER HOLES ON 1/4" STAGGERED CENTERS, SQUARE NECK, PROVIDE MANUFACTURER'S MOUNTING FRAME FOR GYPSUM LOCATIONS, RE: ARCHITECT REFLECTED CEILING PLAN FOR CEILING TYPE.
CR-3	TITUS / PAR-AA	PERF. FACE CEILING RETURN	AS NOTED	FINISH PER ARCHITECT	---	OPPOSED BLADE DAMPER	16"X16" SQUARE PANEL FACE, PERFORATED SCREEN 3/16" DIAMETER HOLES ON 1/4" STAGGERED CENTERS, SQUARE NECK, PROVIDE MANUFACTURER'S MOUNTING FRAME FOR GYPSUM LOCATIONS, RE: ARCHITECT REFLECTED CEILING PLAN FOR CEILING TYPE.
CR-4	TITUS / PAR-AA	PERF. FACE CEILING RETURN	24"X48"	FINISH PER ARCHITECT	---	OPPOSED BLADE DAMPER	RECTANGULAR PANEL FACE, PERFORATED SCREEN 3/16" DIAMETER HOLES ON 1/4" STAGGERED CENTERS, 22"X48" NECK, PROVIDE MANUFACTURER'S MOUNTING FRAME FOR GYPSUM LOCATIONS, RE: ARCHITECT REFLECTED CEILING PLAN FOR CEILING TYPE.
SG-1	TITUS / 300RL	SIDEWALL SUPPLY	AS NOTED	FINISH PER ARCHITECT	---	OPPOSED BLADE DAMPER	3/4" SPACED BLADES, DOUBLE DEFLECTION, FRONT BLADES PARALLEL TO THE LONG DIMENSION.
SR-1	TITUS / 33RL	SIDEWALL RETURN	AS NOTED	FINISH PER ARCHITECT	---	---	1/2" SPACED BLADES, 38 DEG. DOWN DEFLECTION, FRONT BLADES PARALLEL TO THE LONG DIMENSION.
SR-2	TITUS / 350ZFL	SIDEWALL RETURN	AS NOTED	FINISH PER ARCHITECT	---	---	3/4" SPACED BLADES, 0 DEG. DEFLECTION, FRONT BLADES PARALLEL TO THE LONG DIMENSION. FIELD COORDINATE EXACT FINAL LOCATION BEHIND LOUVERED COUNTER WITH ARCHITECT.
ER-1	TITUS / PAR	PERF. FACE CEILING EXHAUST	AS NOTED	FINISH PER ARCHITECT	51%	OPPOSED BLADE DAMPER	24"X24" SQUARE PANEL FACE, PERFORATED SCREEN 3/16" DIAMETER HOLES ON 1/4" STAGGERED CENTERS, ROUND NECK, PROVIDE MANUFACTURER'S MOUNTING FRAME FOR GYPSUM LOCATIONS.
ER-2	TITUS / PAR	PERF. FACE CEILING EXHAUST	AS NOTED	FINISH PER ARCHITECT	51%	OPPOSED BLADE DAMPER	12"X12" SQUARE PANEL FACE, PERFORATED SCREEN 3/16" DIAMETER HOLES ON 1/4" STAGGERED CENTERS, ROUND NECK, PROVIDE MANUFACTURER'S MOUNTING FRAME FOR GYPSUM LOCATIONS.
ER-3	TITUS / 8SS	PERF. FACE CEILING EXHAUST	AS NOTED	STAINLESS STEEL	51%	OPPOSED BLADE DAMPER	12"X12" SQUARE PANEL FACE, PERFORATED SCREEN 3/16" DIAMETER HOLES ON 1/4" STAGGERED CENTERS, ROUND NECK, PROVIDE MANUFACTURER'S RECOMMENDED MOUNTING FRAME FOR INSTALLATION INTO STEAM ROOM CEILING LOCATION.
SE-1	TITUS / 33RL	SIDEWALL EXHAUST	AS NOTED	FINISH PER ARCHITECT	---	---	1/2" SPACED BLADES, 38 DEG. DOWN DEFLECTION, FRONT BLADES PARALLEL TO THE LONG DIMENSION.

AIR TERMINAL BOX SCHEDULE														
DESIG.	MFR./MDL.	TYPE	PRIMARY CFM		UNIT A.P.D.	INLET SIZE	HEATING WATER COIL DATA					REMARKS		
			MAX.	MIN.			CFM	MBH	EWT/LWT	EAT/LAT	GPM		WPD	ROW/FIN
VAV1-101	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	2190	770	0.38	16"Ø	880	39.9	160° F / 113.4° F	55° F / 96.8° F	1.75	0.45	2 R/10 FPI	SEE SPECIFICATIONS.
VAV1-102	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	840	300	0.55	12"Ø	340	16.7	160° F / 115.3° F	55° F / 100.4° F	0.75	0.07	2 R/10 FPI	SEE SPECIFICATIONS.
VAV1-103	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	1640	645	0.38	16"Ø	740	36.2	160° F / 123.7° F	55° F / 95.2° F	2.0	0.57	2 R/10 FPI	SEE SPECIFICATIONS.
VAV1-104	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	2120	635	0.32	14"Ø	845	36.6	160° F / 120.3° F	55° F / 94.0° F	2.5	1.16	2 R/10 FPI	SEE SPECIFICATIONS.
VAV1-105	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	4200	1680	0.17	24"X16"	4200	177.2	160° F / 134.1° F	55° F / 94.0° F	14.0	22.0	2 R/10 FPI	SEE SPECIFICATIONS.
VAV1-106	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	530	530	0.47	8"Ø	530	23.3	160° F / 136.1° F	55° F / 95.5° F	2.0	0.74	2 R/10 FPI	SEE SPECIFICATIONS.
VAV1-107	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	545	190	0.46	8"Ø	220	10.5	160° F / 117.2° F	55° F / 99.6° F	0.5	0.07	2 R/10 FPI	SEE SPECIFICATIONS.
VAV2-108	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	2640	2640	0.23	16"Ø	2640	113.9	160° F / 143.4° F	55° F / 94.8° F	14.0	16.1	2 R/10 FPI	SEE SPECIFICATIONS.
VAV2-109	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	600	125	0.42	8"Ø	200	10.1	160° F / 118.8° F	55° F / 101.0° F	0.5	0.07	2 R/10 FPI	SEE SPECIFICATIONS.
VAV2-110	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	460	160	0.54	8"Ø	185	8.2	160° F / 109.5° F	55° F / 95.2° F	0.33	0.02	2 R/10 FPI	SEE SPECIFICATIONS.
VAV2-111	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	285	100	0.62	6"Ø	100	5.3	160° F / 116.6° F	55° F / 103.0° F	0.25	0.01	2 R/10 FPI	SEE SPECIFICATIONS.
VAV2-112	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	1160	405	0.42	12"Ø	405	20.4	160° F / 118.2° F	55° F / 101.4° F	1.0	0.35	2 R/10 FPI	SEE SPECIFICATIONS.
VAV3-113	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	470	190	0.53	8"Ø	190	8.2	160° F / 109.0° F	55° F / 94.5° F	0.33	0.02	2 R/10 FPI	SEE SPECIFICATIONS.
VAV3-114	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	765	310	0.59	12"Ø	310	14.7	160° F / 109.9° F	55° F / 98.6° F	0.60	0.14	2 R/10 FPI	SEE SPECIFICATIONS.
VAV3-115	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	360	360	0.60	8"Ø	360	16.5	160° F / 126.3° F	55° F / 97.1° F	1.0	0.22	2 R/10 FPI	SEE SPECIFICATIONS.
VAV3-116	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	855	300	0.55	12"Ø	300	13.3	160° F / 105.7° F	55° F / 95.6° F	0.50	0.11	2 R/10 FPI	SEE SPECIFICATIONS.
VAV3-117	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	475	175	0.50	8"Ø	175	8.0	160° F / 110.5° F	55° F / 96.6° F	0.33	0.02	2 R/10 FPI	SEE SPECIFICATIONS.
VAV3-118	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	1600	720	0.48	16"Ø	1600	79.5	160° F / 130.5° F	55° F / 95.7° F	5.5	3.38	2 R/10 FPI	SEE SPECIFICATIONS.
VAV4-201	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	945	300	0.52	12"Ø	475	21.8	160° F / 115.4° F	55° F / 97.3° F	1.0	3.35	2 R/10 FPI	SEE SPECIFICATIONS.
VAV4-202	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	695	245	0.51	10"Ø	695	31.5	160° F / 134.2° F	55° F / 96.8° F	2.5	1.40	2 R/10 FPI	SEE SPECIFICATIONS.
VAV4-203	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	3375	1250	0.35	24"X16"	3375	148.2	160° F / 129.7° F	55° F / 95.5° F	10.0	12.0	2 R/10 FPI	SEE SPECIFICATIONS.
VAV4-204	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	1735	525	0.40	14"Ø	695	32.7	160° F / 115.4° F	55° F / 98.4° F	1.5	0.32	2 R/10 FPI	SEE SPECIFICATIONS.
VAV4-205	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	1000	225	0.75	10"Ø	---	---	---	---	---	---	---	SEE SPECIFICATIONS. COOLING ONLY.
VAV4-206	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	930	300	0.52	12"Ø	325	16.6	160° F / 114.8° F	55° F / 101.9° F	0.75	0.21	2 R/10 FPI	SEE SPECIFICATIONS.
VAV4-207	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	1200	400	0.40	12"Ø	480	21.9	160° F / 115.2° F	55° F / 97.0° F	1.0	0.35	2 R/10 FPI	SEE SPECIFICATIONS.
VAV4-208	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	2690	980	0.23	16"Ø	1290	57.5	160° F / 120.8° F	55° F / 96.1° F	3.0	1.16	2 R/10 FPI	SEE SPECIFICATIONS.
VAV4-209	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	640	225	0.55	10"Ø	225	11.3	160° F / 113.7° F	55° F / 101.1° F	0.5	0.08	2 R/10 FPI	SEE SPECIFICATIONS.
VAV4-210	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	3105	1230	0.35	24"X16"	3105	136.3	160° F / 132.1° F	55° F / 95.5° F	10.0	12.0	2 R/10 FPI	SEE SPECIFICATIONS.
VAV4-211	PRICE / SDV5	SINGLE DUCT VARIABLE VOL.	1660	500	0.42	14"Ø	665	32.1	160° F / 116.2° F	55° F / 99.5° F	1.5	0.32	2 R/10 FPI	SEE SPECIFICATIONS.

AIR / DIRT SEPARATOR SCHEDULE										
DESIG.	MFR./MDL.	TYPE	SERVES	SYSTEM FLOW	PRESS. DROP	VOLUME	INLET / OUTLET CONNECTIONS	DRAIN	WEIGHT	REMARKS
AS-1	SPIROTHERM VHT500	COALESCING AIR / DIRT SEPARATOR	CHILLED WATER	600 GPM	4.8 FT. AT 8 FPS	28.9 GAL.	6 IN.	1 IN.	505 LBS.	(1) (2) (3) (4) (5)
AS-2	SPIROTHERM VHT400	COALESCING AIR / DIRT SEPARATOR	HEATING HOT WATER	325 GPM	3.8 FT. AT 8 FPS	8.8 GAL.	4 IN.	1 IN.	262 LBS.	(1) (2) (3) (4) (5)

- PROVIDE COALESCING TYPE AIR / DIRT SEPARATOR. CENTRIFUGAL TYPES ARE NOT ACCEPTABLE.
- SEPARATOR VESSEL SHALL BE CERTIFIED FOR 150 LB. WORKING PRESSURE WITH CLASS 150 STEEL WELD NECK RAISED FACE FLANGES.
- SEPARATOR VESSEL SHALL INCLUDE STRUCTURED COALESCING MEDIA FILLING THE ENTIRE VESSEL. PARTIALLY FILLED VESSELS OR VESSELS WITH LOOSE MEDIA ARE NOT ACCEPTABLE.
- SEPARATOR VESSEL SHALL REMOVE 100% OF FREE AND ENTRAINED AIR AND 99.6% OF DISSOLVED AIR AS TESTED BY INDEPENDENT LABORATORY.
- SEPARATOR VESSEL SHALL REMOVE 80% OF THE 30 MICRON PARTICLES WITHIN 100 COMPLETE SYSTEM CIRCULATIONS, AND SHALL BE CAPABLE OF REMOVING PARTICLES OF 5 MICRON SIZE.

LOUVER SCHEDULE									
DESIG.	MFR./MDL.	TYPE	SERVES	CFM	S.P.	SIZE	VELOCITY FPM	FINISH	REMARKS
L-1	RUSKIN/ELF6375DX	6" DEEP 45° FIXED DRAINABLE	EF-01 EXHAUST	2570	0.06"	36"W x 30"H	648	KYNAR	PROVIDE WITH BIRD SCREEN. COLOR BY ARCHITECT.
L-2	RUSKIN/ELF6375DX	6" DEEP 45° FIXED DRAINABLE	BCU-3 INTAKE	1435	0.07"	36"W x 18"H	674	KYNAR	PROVIDE WITH BIRD SCREEN. COLOR BY ARCHITECT.
L-3	RUSKIN/ELF6375DX	6" DEEP 45° FIXED DRAINABLE	AHU-1 INTAKE	3360	0.05"	96"W x 18"H	570	KYNAR	PROVIDE WITH BIRD SCREEN. COLOR BY ARCHITECT.
L-4	RUSKIN/ELF6375DX	6" DEEP 45° FIXED DRAINABLE	EF-05 EXHAUST	300	0.04"	18"W x 12"H	527	KYNAR	PROVIDE WITH BIRD SCREEN. COLOR BY ARCHITECT.
L-5	RUSKIN/ELF6375DX	6" DEEP 45° FIXED DRAINABLE	EF-06 EXHAUST	300	0.04"	18"W x 12"H	527	KYNAR	PROVIDE WITH BIRD SCREEN. COLOR BY ARCHITECT.
L-6	RUSKIN/ELF6375DX	9" DEEP 45° FIXED DRAINABLE	AHU-4, AHU-6 INTAKE	9125	0.07"	72"W x 48"H	661	KYNAR	PROVIDE WITH BIRD SCREEN. COLOR BY ARCHITECT.
L-7	RUSKIN/ELF6375DX	9" DEEP 45° FIXED DRAINABLE	AHU-5, AHU-7 INTAKE	6365	0.06"	72"W x 36"H	634	KYNAR	PROVIDE WITH BIRD SCREEN. COLOR BY ARCHITECT.

ADDITION AND RENOVATION TO PLEASANT VALLEY COUNTRY CLUB

CLUBHOUSE
1 PLEASANT VALLEY DRIVE
LITTLE ROCK, ARKANSAS 72212

REVISIONS

PROJECT NO. 21075
DATE: June 21, 2023