AIR HANDLING UNIT SCHEDULE

DESIGNATION	SUPPLY FAN DATA				RETURN AIR CFM	COOLING COIL DATA						NATURAL GAS HEATING COIL			WEIGHT (LBS)	ELECTRICAL			BASIS OF DESIGN	REMARKS
	CFM	MINIMUM OA CFM	HP	ESP (IN WG)		EAT °F		LAT °F		TOTAL (MBH)	SENSIBLE (MBH)	EAT °F	LAT °F	TOTAL (MBH)		VOLTS	PHASE	HERTZ		
						DB	WB	DB	WB											
AHU-1	8000	1500	5.0	0.5	6500	79.0	65.0	54.5	53.5	291.3	211.7	62.6	85.0	193.5	2610	460	3	60	CARRIER	1, 2

NOTES:
1. UNIT TO HAVE STAGED GAS HEATING.
2. PROVIDE 120 VOLT SINGLE PHASE CONVENIENCE OUTLET AT THE AIR HANDLER.
3. MINIMUM OUTSIDE AIR WAS CALCULATED USING SECTION 403 OF THE 2018 IMC AS FOLLOWS:
   3.1. 4,433 SF AT 0.18 CFM/SF = 798 CFM
   3.2. 4,433 SF AT 7 PEOPLE/1000 SF AND 20 CFM/PERSON = 621 CFM (31 PEOPLE)

LOUVER SCHEDULE

DESIGNATION	SERVICE	HEIGHT	WIDTH	PRESSURE DROP (IN. W.G.)	FREE AREA (%)	BASIS OF DESIGN	REMARKS
L-1	AHU-1 INTAKE	4' - 0"	3' - 6"	0.15	53	GREENHECK	
L-2	BOYS RR	1' - 2"	1' - 2"	0.15	50	TELL SD102289/MODEL 800A1	
L-3	GIRLS RR	1' - 2"	1' - 2"	0.15	50	TELL SD102289/MODEL 800A1	
L-4	STORAGE ROOM	1' - 2"	1' - 2"	0.15	50	TELL SD102289/MODEL 800A1	

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