

Specifications City of Lander
Furnace Replacement, Lander Senior Center
Issued January 2020

Specifications for the Base Bid shall include:

- Removal and lawful disposal of existing Furnaces (design mechanical schedule attached);
- Proposed mechanical schedule for replacing 7 existing furnaces with 95% efficient Furnaces;
- Installation of replacement furnaces including any retrofit ductwork, thermostats and related equipment required to match existing delivery system;
- Contractor will provide written Test and Balance certification to the City prior to approval of substantial completion;
- Contract will be responsible to furnish all ventilation and dust protection measures necessary to allow for the daily FDA-approved food preparations;
- Contractor will work with the Senior Center management to maintain their daily operations and activities. If there will be extended periods without Heating and Cooling, the contract will give Senior Center management one weeks' notice, so they have ample time to either change the location or reschedule events;
- Contractor will be responsible to store materials off site unless pre-arranged with the Senior Center;
- Contractor will be required to perform daily clean up as necessary to maintain the safety of the Senior Center employees and clients;
- Contractor responsible for all signage and barriers needed to restrict public access to all construction areas.
- Contractor is responsible for acquiring the required building permit. Permit fees will be waived by the City of Lander.

Design mechanical schedule attached.

END OF SECTION

UNIT UNDER BASE

COMPRESSOR W/ ON & 1/2" LIQUID 5, GROUND MOUNT UNIT UNDER ADD #8 ONLY

COMPRESSOR W/ ON & 5/8" LIQUID 1, GROUND MOUNT UNIT UNDER ADD #8 ONLY

COMPRESSOR W/ ON & 5/8" LIQUID 1, GROUND MOUNT UNIT UNDER ADD #8 ONLY

COMPRESSOR W/ ON & 5/8" LIQUID 1, GROUND MOUNT UNIT UNDER ADD #8 ONLY

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NTS

EXHAUST FAN BACKDRAFT VARIABLE SPD ALL CAP

EXHAUST FAN BACKDRAFT VARIABLE SPD 1/2 OF CAP

DOMESTIC TYPE BACKDRAFT RFB, & #LT30 SWITCH

DOMESTIC TYPE BACKDRAFT RFB, & #LT40 SWITCH

BLAST TYPE BACKDRAFT RFB, & #LT30 SWITCH

LAST TYPE LISTED, NFPA, & 18" HIGH WHEEL CURB

DOMESTIC TYPE BACKDRAFT RFB, & #LT40 SWITCH

F6B continued

3/4 FAN MOTOR GAS PULSE GAS FURNACE W/ FLUE VENT/COMBUSTION AIR INTAKE ROOF KIT #LB-49107CE, HORIZONTAL SUPPORT FRAME #MF14-65, ECONOMIZER MIXING BOX #EMD14M-65, & MUFFLER KIT #LB-5205TCA (TWO MUFFLERS EACH).

UNIT OUTPUT CAPACITY SHOWN AT ELEVATION - EQUIP UNITS FOR 5350' ELEVATION OPERATION W/ NATURAL GAS INSTALL FURNACES IN STRICT ACCORDANCE W/ MFGR'S INSTALLATION INSTRUCTIONS & AS SHOWN ON DRAWINGS

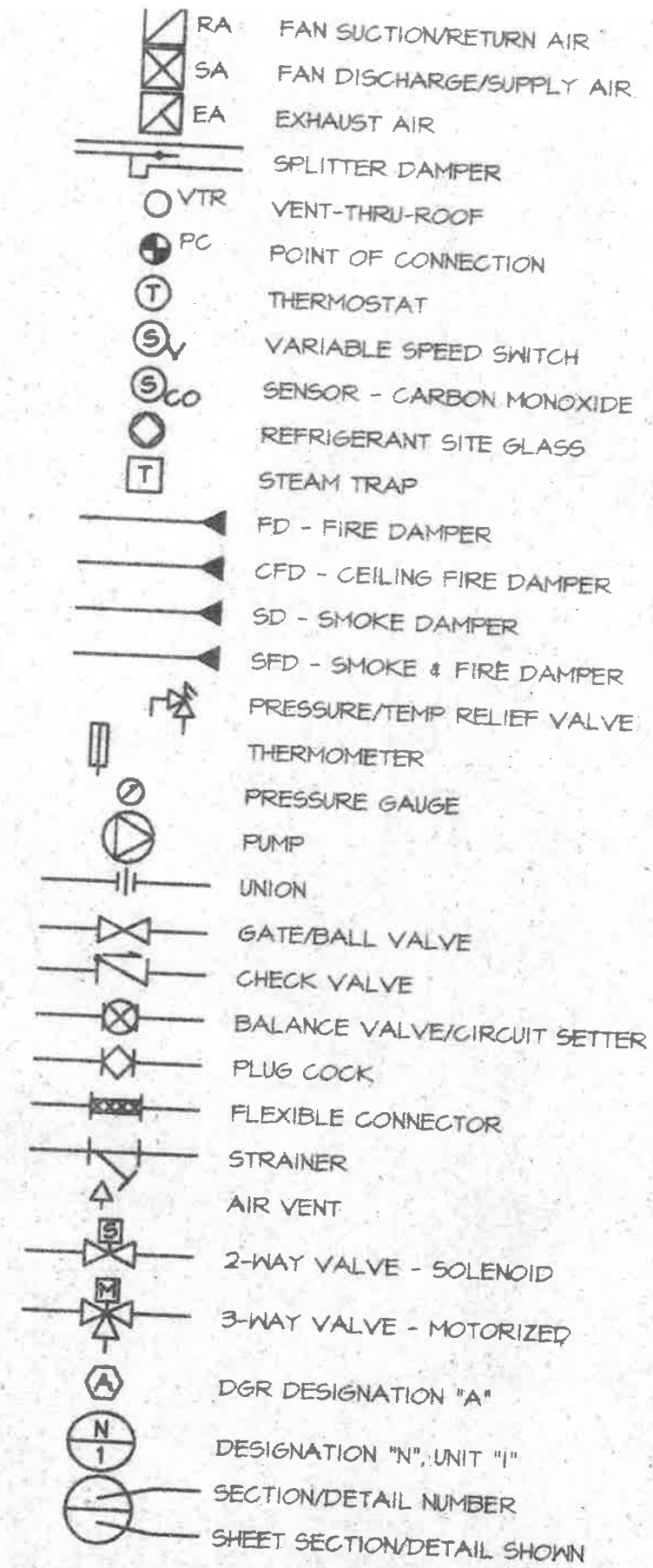
GAS FIRED UNIT HEATER SCHEDULE									
DESIGN	MAKE	MODEL	UNIT CAPACITY		ACFM	ΔH IN/AC	ELECTR'L DATA	FUEL TYPE	COMMENTS
			INPUT	OUTPUT					
UH-1	REZNOR	SCA-125	125000 BTUH	78600 BTUH	1400	-	120/1/60 1/20 HP FAN MOTOR	NAT'L GAS	HORIZONTAL GAS FIRED UNIT HEATER W/ SEALED SEPARATED COMBUSTION, STAINLESS STEEL HEAT EXCHANGER, VERTICAL COMBUSTION AIR INLET & FLUE VENT TERMINAL ASSEMBLY, ALL REQR'D INTAKE & VENT PIPING & ACCESSORIES, & SPARK IGNITED INTERMITTENT SAFETY PILOT W/ BURNER ELECTRONIC TYPE FLAME

OUTPUT CAPACITY SHOWN AT ELEVATION - EQUIP UNIT HEATER FOR 5350' ELEVATION OPERATION W/ NATURAL GAS INSTALL FURNACES IN STRICT ACCORDANCE W/ MFGR'S INSTALLATION INSTRUCTIONS & AS SHOWN ON DRAWINGS

DIRECT FIRED GAS MAKE-UP AIR UNIT SCHEDULE									
DESIGN	MAKE	MODEL	UNIT CAPACITY		ACFM	ΔH IN/AC	ELECTR'L DATA	FUEL TYPE	COMMENTS
			INPUT	ΔT					
MUA-1	HASTINGS	LU-112	260000 BTUH	100 °F	2600	1.50	208/3/60 1-1/2 HP FAN MOTOR	NAT'L GAS	HORIZONTAL INDOOR DIRECT FIRED MAKE-UP AIR UNIT W/ ANGLED FILTER BOX SECTION, 2" THROWAWAY FILTERS, AUTO MOTORIZED INTAKE DAMPERS, STANDARD GAS MANIFOLD, VIBRATION ISOLATORS, REMOTE CONTROL/MONITORING CONSOLE PANEL W/ INDICATING LIGHTS & SWITCHES

CAPACITY IN BTUH & SHOWN CORRECTED FOR ELEVATION - EQUIP UNIT FOR 5350' ELEVATION OPERATION - INSTALL MAKE-UP AIR UNIT IN STRICT ACCORDANCE W/ MFGR'S INSTALLATION INSTRUCTIONS & AS SHOWN ON DRAWINGS

PUMP SCHEDULE									
DESIGN	MAKE	MODEL	TYPE	GPM	ΔH	MOTOR	MOTOR	ELECTR'L	



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DATE: 9 MAY 1995
PUB: 9404

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MECHANICAL SCHEDULES & LEGEND