

FURNACE AND DX COOLING COIL SCHEDULE L.A.T. GAS TYPE B.T.U. E.A.T. L.A.T. MAX. P.D. LIQUID SUCTION C.D. NAT GAS INTAKE EXHAUST REMARKS SEE SEE
C. UNIT C. UNIT
SCHED. SCHED. 3 TON FURNACE WITH FULLY CASED R-410A DX COOLING COIL TO 3/4 3" PVC 3" PVC MATCH FURNACE & VERTICAL VENT TERMINAL ASSEMBLY. 3 TON FURNACE WITH FULLY CASED R-410A DX COOLING COIL TO C. UNIT | C. UNIT | 3/4 3" PVC 3" PVC MATCH FURNACE & VERTICAL VENT TERMINAL ASSEMBLY. 3/4"

3/4 3" PVC 3" PVC MATCH FURNACE & VERTICAL VENT TERMINAL ASSEMBLY.

3 TON FURNACE WITH FULLY CASED R-410A DX COOLING COIL TO

CONDENSATE PUMP SCHEDULE							
SYM.	GPH	HEAD	H.P.	CHAR	RECEIVER SIZE	REMARKS A	
CP 1	25	18'	1/30	115/60/1	0.5 GALLON	LITTLE GIANT MODEL VCMX-20ULS WITH 6'-0" POWER CORD AND 3/4" DRAIN LINE	

INPUT OUTPUT @ ELEV.

85,000

88,000 | 85,000 |

88,000 85,000

88,000

NAT

NAT

NAT

36,000

36,000

36,000

75°F | 55°F |

75°F 55°F

SCHED. SCHED.

SEE SEE
C. UNIT C. UNIT
SCHED. SCHED.

3/4"

65°F

65°F

65°F

105°F

105°F

105°F

59,500

59,500

59,500

(A) SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS

120/60/1

120/60/1

120/60/1

 $\left\langle \begin{array}{c|c} F \\ 1 \end{array} \right\rangle$  UPFLOW 1200

F UPFLOW 1200

1200

F UPFLOW

.60" M-HIGH

.60" M-HIGH

.60" M-HIGH

CONDENSING UNIT SCHEDULE										
SYM.	BTU	EAT	CHAR.	MCA	MOCP	SEER	REFR.	PIPE SIZING		REMARKS
• • • • • • • • • • • • • • • • • • • •		_,	0			<b>V</b>		LIQUID	SUCTION	
CU 1	36,000	95°F	240/60/1	21.9	35.0	14.0	R-410A	5/8"	7/8"	3 TON CONDENSING UNIT WITH 0°F LOW AMBIENT HARD START KIT.
$\frac{\overline{CU}}{2}$	36,000	95°F	240/60/1	21.9	35.0	14.0	R-410A	5/8"	7/8"	3 TON CONDENSING UNIT WITH 0°F LOW AMBIENT HARD START KIT.
$\frac{\overline{CU}}{3}$	36,000	95°F	240/60/1	21.9	35.0	14.0	R-410A	5/8"	7/8"	3 TON CONDENSING UNIT WITH 0°F LOW AMBIENT HARD START KIT.

MECH. LEGEND					
SYMBOL	DESCRIPTION				
[기   /      -	DEMO EQUIPMENT, DUCTWORK, ETC.				
ATC	ATC PANEL				
S	ELECTRONIC SENSOR				
T	ELECTRONIC THERMOSTAT				
FC 1	EQUIPMENT SYMBOL				
L	REFRIGERANT PIPING				
₩ HD	HAND DAMPER				
9	MOTORIZED DAMPER				
<b></b>	SIDEWALL REGISTER SUPPLY OR RETURN AIR				
	RETURN AIR OR EXHAUST GRILLE				
	CEILING DIFFUSER				
®	VERTICAL UPFLOW GAS FURNACE				

## PLAN NOTES:

- REMOVE EXISTING COMBUSTION AIR DUCTS INSIDE MECH. ROOM BACK TO CEILING LEVEL. CAP DUCTS AT CEILING USING SHEET METAL AND SEAL AIRTIGHT.
- (2) EXISTING SUPPLY AIR DUCTWORK TO REMAIN.
- 3 ) EXISTING FURNACE AND ASSOCIATED CONDENSING UNIT TO REMAIN. NO WORK REQUIRED.
- 4 ) EXISTING CEILING DIFFUSER / SIDEWALL REGISTER TO REMAIN. BALANCE TO CFM AS SHOWN ON PLAN.
- 5 ) REMOVE EXISTING GAS FURNACE AND FLUE THRU ROOF. DISCONNECT EXISTING GAS PIPING & ELEC. FROM FURNACE.
- i ) INSTALL NEW FURNACE AND DX COOLING COIL AND RECONNEC TO EXISTING SUPPLY & RETURN AIR DUCTWORK AND ELEC. CIRCUIT. PROVIDE AND INSTALL DUCT TRANSITIONS AS
- REQUIRED. RECONNECT GAS PIPING TO NEW GAS FURNACE. ) RISE (2) 3"Ø FURNACE FLUES UP THRU ROOF TO VERTICAL VENT TERMINATION ASSEMBLY. SEE DETAIL ON SHEET ME-2. CONTRACTOR MAY UTILIZE EXISTING OPENING IN ROOF WHERE EXISTING FURNACE FLUE WAS REMOVED. SEAL ROOF
- PENETRATION WEATHERTIGHT. 8 ) INSTALL NEW CONDENSING UNIT ON 4" THICK CONCRETE PAD IN LOCATION SHOWN. COORDINATE WITH EXISTING LAWN SPRINKLER SYSTEM AND RELOCATE HEADS AND PIPING AS REQUIRED. REMOVE ANY SHRUBS THAT CONFLICT WITH
- ( 9 ) COVER EXPOSED REFR. PIPING WITH 18 GA. SHEET METAL COVER AND 24 GA. PREFINISHED METAL SKIN. SEE DETAIL ON
- $_{0}$  ) rise Refr. Piping up exposed on exterior wall to soffit AND RUN PIPING THRU SOFFIT INTO ATTIC SPACE. RUN ACROSS IN ATTIC SPACE AND DROP THRU EXISTING MECH. ROOM CLG. AND CONNECT TO NEW DX COOLING COIL.
- 1) INSTALL NEW NEMA 3R FUSED DISCONNECT FOR NEW CONDENSING UNIT. FUSE AS PER LOAD OF NEW UNIT. SEE CONDENSING UNIT SCHEDULE ON THIS SHEET FOR LOAD AND FUSE INFORMATION. RUN 3 #8 W/ GND. IN 1" CONDUIT TO NEAREST PANEL & INSTALL NEW 35 AMP 2 POLE BREAKER IN
- 12 ) INSTALL NEW CONVENIENCE OUTLET FOR NEW CONDENSATE PUMP FROM NEAREST FURNACE CIRCUIT, (2) #12-1/2"C. WITH

13 ) INSTALL NEW 3/4" CONDENSATE DRAIN PIPING ON NEW FURNACE

- & COOLING COIL AND RUN TO NEW CONDENSATE PUMP LOCATED ON FLOOR OF MECHANICAL ROOM. 14 ) RISE 3/4" PUMPED CONDENSATE DRAIN UP TO WARM CEILING
- SPACE AND RUN AS SHOWN TO EXISTING MECHANICAL ROOM. DROP 3/4" CD PIPING DOWN EXPOSED ON WALL AND RUN TO EXISTING JAN. SINK WITH AIR GAP.
- 5) RISE 3/4" PUMPED CONDENSATE DRAIN UP TO WARM CEILING SPACE AND RUN AS SHOWN TO EXISTING TOILET ROOM. DROP 3/4" CD PIPING DOWN IN WALL AND CONNECT TO SINK SIDE OF P-TRAP ON EXISTING LAVATORY DRAIN USING DISHWASHER
- 16 ) INSTALL NEW GFCI WITH IN-USE WEATHERPROOF COVER ON WALL. CONNECT TO NEAREST CONVENIENCE OUTLET CIRCUIT WITH 2 #12 W/ GND. IN 1/2" CONDUIT.
- 17) EXISTING HONEYWELL PRESTIGE THERMOSTATS. DISCONNECT FROM EXISTING FURNACES BEING REMOVED & RECONNECT TO NEW FURNACES. ADD IN 2 CONDUCTOR THERMOSTAT CABLE FROM NEW CONDENSING UNIT TO NEW FURNACE & REPROGRAM THERMOSTAT FOR A/C.

## GENERAL NOTES:

- A- THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONNECTIONS ON THE JOB SITE. ALL WORK SHALL BE EXECUTED FROM MEASUREMENTS TAKEN AT THE SITE.
- B- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE MECHANICAL CONTRACTOR.
- C- IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.
- D- CEILING DIFFUSERS ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO LIGHTING PLANS AND REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
- E- DUCT DIMENSIONS CALLED OUT ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS. ACOUSTICAL DUCT LINER ARE TO BE ADDED TO OVERALL MEASUREMENTS.
- ALL DUCTWORK AND PIPING WHICH PASSES THRU FIRE RATED WALLS TO BE FIRE STOPPED WITH APPROVED FOAM OR SEALANT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURES.

ADDENDUM #1 JUNE 14, 2021 OF: TWO

HVAC REPLACEMENT FOR:

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I	DRWN. BY:	CKD. BY:						
	SR	DCS						
	JOB NO.	DATE:						
	21039	JUNE 2021						

SHEET: ME-