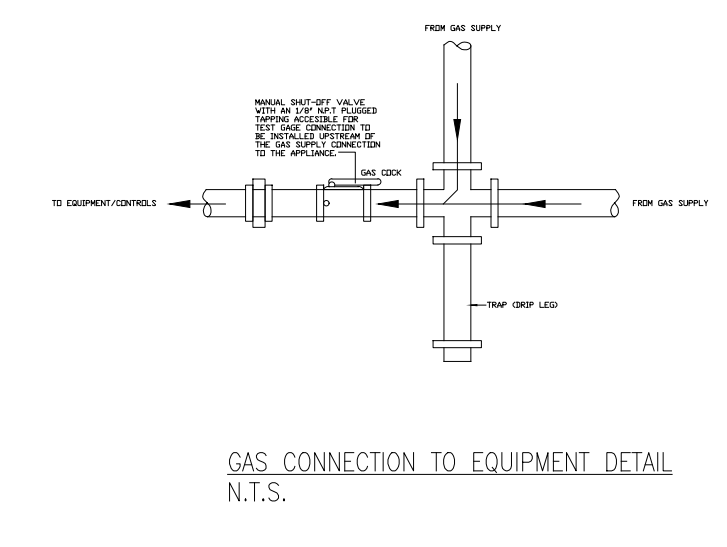


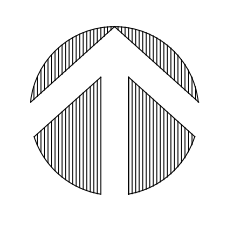
EQUIPMENT SCHEDULES					
TAG	MANUFACTURER	MODEL	BTU/HR	CFM	REMARKS
GF-1	AIREASE FURNACE	A97USM070B12S	66,000	1,200	
CU-1	COMFORTMAKER	N2A4	-	1,200	
GF-2	COMFORTMAKER	N95ESN081716A	80,000	1,325	
GF-3	CONCORD	80G1UH090BE16	88,000	1,600	
GF-4	GOODMAN	GM99E0603BN	60,000	1,200	
GF-5	TRANE	TUE1A040A9241AC	31,000	1,200	
CU-5	PAYNE	PA13MR018	-	1,200	
WH-1	AO SMITH	GCR-40NG	40,000	-	
WH-2	AO SMITH	GPVT-40NG	50,000	-	
WH-3	NAVIER	NPE150S	18,000	-	
ERV-1	CLEAN COMFORT	VH30100	-	100	
ERV-2	CLEAN COMFORT	VE30100	-	100	



MECHANICAL SPECIFICATIONS AND NOTES

- CONTRACTOR SHALL INSTALL A COMPLETE AND OPERATIONAL SYSTEM IN COMPLIANCE WITH THE REQUIREMENTS OF THE 2006 INTERNATIONAL BUILDING CODE.
- ALL DUCTWORK, EXCEPT FLEXIBLE METAL DUCTWORK, SHALL BE FABRICATED OF GALVANIZED SHEET METAL IN ACCORDANCE WITH SMACNA STANDARDS AND ASHRAE RECOMMENDATIONS.
- FLEXIBLE DUCTWORK SHALL BE "ATCO" TYPE UPC OR EQUAL, CLASS 1, UL 181 AND NFPA 90A AND 90B APPROVED OR APPROVED EQUAL. MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 5'-0".
- EXISTING CEILING SPACE IS TO BE USED AS A PLENUM RETURN. CONTRACTOR SHALL GUARANTEE THAT THE PLENUM CHAMBER USED FOR REDIRCULATION OF AIR WILL BE OF TIGHT CONSTRUCTION AND THAT ALL SOURCES OF CONTAMINATION FROM TRAPS, SOIL STACKS, DOWNSPOUTS, VENTS, ETC., WILL BE ENCLOSED SO THAT NO CONTAMINATED AIR WILL BE REDIRCULATED. ALL MATERIALS IN THE PLENUM SHALL BE NONCOMBUSTIBLE.
- GRILLES, REGISTERS, DIFFUSERS SHALL BE AS FOLLOWS (OR EQUAL):
 SLOT DIFFUSERS: TITUS PLENUM SLOT N-1-D, 3/4" SLOT
 SUPPLY DIFFUSERS: TITUS PAS
 RETURN GRILLES: TITUS PAR
 WALL MOUNTED DIFFUSERS: TITUS 350RL
- NECK SIZES FOR GRILLES, REGISTERS AND DIFFUSERS SHALL BE AS FOLLOWS:
 0-125 CFM: 6"Ø
 126-250 CFM: 8"Ø
 251-350 CFM: 10"Ø
 351-600 CFM: 12"Ø
- ALL DIFFUSER SELECTION SHALL BE SIZED TO HAVE NC30 OR BETTER.
- RETURN AIR PROVIDED VIA PLENUM RETURN AIR LIGHT FIXTURES RATED AT 50-125 CFM EACH, UNLESS NOTED OTHERWISE.
- ALL FINAL RUN-OUTS TO SUPPLY DIFFUSERS SHALL BE ROUND SNAPLOCK CONSTRUCTION.
- DUCT SIZES SHOWN ARE OUTSIDE DIMENSIONS.
- LINE AND/OR WRAP DUCT AS FOLLOWS:
 RECTANGULAR SUPPLY DUCT: 2 LB., 1" LINER
 ROUND SUPPLY DUCT: 1-1/2" DUCT WRAP
 EXHAUST FAN DUCTWORK: 2 LB., 1/2" LINER
 TRANSFER DUCTS: 2LB., 1/2" LINER
- ALL DUCT INSULATION SHALL BE LABELED BY THE MANUFACTURER, INDICATING THE INSULATING VALUE, THE FLAME SPREAD RATING AND THE SMOKE-DEVELOPED RATING. DUCT COVERINGS, DUCT LININGS, PANELS UTILIZED IN DUCT SYSTEMS, DUCT TAPE AND VIBRATION ISOLATION CONNECTORS SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84.
- OUTSIDE AIR EXHAUST AND INTAKE OPENINGS SHALL BE LOCATED A MINIMUM OF 10'-0" FROM LOT LINES OR BUILDINGS ON THE SAME LOT, AND 10'-0" FROM ANY HAZARDOUS OR NOXIOUS CONTAMINANT SUCH AS VENTS, CHIMNEYS, PLUMBING VENTS, STREETS, ALLEYS, PARKING LOTS AND LOADING DOCKS. OPENINGS SHALL BE PROTECTED WITH CORROSION-RESISTANT SCREENS, LOUVERS OR GRILLES.
- CONTRACTORS SHALL INSTALL A SMOKE DETECTOR IN THE RETURN AIR DUCT WITHIN 10'-0" OF EACH ROOFTOP UNIT. UPON DETECTION OF SMOKE, THE SUPPLY AIR SHALL SHUT DOWN AND THE EXHAUST SHALL BE ACTIVATED ON THE RTU. THE DETECTOR SHALL SIGNAL THE BUILDING FIRE ALARM SYSTEM AND PROVIDE SIGNALS AS REQUIRED BY CODE.
- ALL VENT SYSTEMS SHALL BEAR THE LABEL OF AN APPROVED AGENCY TYPE R AND RW VENTS SHALL BE TESTED IN ACCORDANCE WITH UL 441. VENT SYSTEMS SHALL BE INSTALLED AND TERMINATED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND SHALL BE LOCATED A MINIMUM OF 10'-0" FROM THE LOT LINE.
- FIRE DAMPERS SHALL COMPLY WITH UL 555 AND NFPA 90A AND SHALL BEAR THE LABEL OF AN APPROVED AGENCY. FIRE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- THERMOSTATS SHALL BE MOUNTED 48" ABOVE FINISHED FLOOR.

WAREHOUSE MECHANICAL PLAN
 SCALE : 1/4" = 1'-0"



NO	ISSUE	DATE
	ISSUED FOR PERMIT	2.09.22
1		

CEDA: RESIDENTIAL EQUIPMENT
 450 W. 169TH ST.
 SOUTH HOLLAND, IL
 HVAC PLANS, NOTES, SCHEDULES, & DETAILS

INITIAL DATE: 2-09-22	JOB NO: S22002
FILE NAME: [redacted]	SHEET NO: 2 of 2
DRAWN BY: [redacted]	CHECKED BY: [redacted]
PRINT DATE:	M-2