

HVAC SCHEDULE

EQUIP #	QTY.	DESCRIPTION	EXIST. RM. #	MOVED BY	FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL #
A1	1	ELECTRIC FURNACE	HH270	GC	OWNER	GC	JOHNSON CONTROLS	AHE30B3KH21A
A2	1	CONDENSER	HH270	GC	OWNER	GC	JOHNSON CONTROLS	W1D1926472
B1	1	ELECTRIC FURNACE	HH270	GC	OWNER	GC	JOHNSON CONTROLS	AHR30B3KH21B
B2	1	CONDENSER	HH270	GC	OWNER	GC	JOHNSON CONTROLS	TCGD2454153A
C1	1	GAS FURNACE	HH270	GC	OWNER	GC	INTERNATIONAL COMFORT PRODUCTS	EDD4X248AT1
C2	1	CONDENSER	HH270	GC	OWNER	GC	INTERNATIONAL COMFORT PRODUCTS	N4A324AKA100
C01	1	COMPRESSOR	HH270	GC	OWNER	GC	COPELAND	RR81C2E-1AA-101
	1	CONDENSER	HH270	GC	OWNER	GC	COPELAND	FTAH-8074-1AA-201
C02	1	COMPRESSOR	HH270	GC	OWNER	GC	COPELAND	RR81C2E-1AA-101
	1	CONDENSER	HH270	GC	OWNER	GC	COPELAND	FTAH-8074-1AA-201
C03	1	COMPRESSOR	HH270	GC	OWNER	GC	COPELAND	KAJB-010E-CAV-100
	1	CONDENSER	HH270	GC	OWNER	GC	COPELAND	ENAG-A100-CAV-001
C04	1	COMPRESSOR	HH270	GC	OWNER	GC	COPELAND	ART64C1E-1AA-103
	1	CONDENSER	HH270	GC	OWNER	GC	COPELAND	M2FH-0056-1AA-201
D1	1	ELECTRIC FURNACE	HH270	GC	OWNER	GC	JOHNSON CONTROLS	N2H330AKA100
D2	1	CONDENSER	HH270	GC	OWNER	GC	JOHNSON CONTROLS	AHR30B3KH21B
E1	1	GAS FURNACE	HH270	GC	OWNER	GC	GOODMAN	CAPF3365B6BC
E2	1	CONDENSER	HH270	GC	OWNER	GC	INTERNATIONAL COMFORT PRODUCTS	N2H330AKA100
EV1	1	EVAPORATOR	HH270	GC	OWNER	GC	BOHN	ADT052AK
EV2	1	EVAPORATOR	HH270	GC	OWNER	GC	RUSSELL	AA28-1228
EV3	1	EVAPORATOR	HH270	GC	OWNER	GC	BOHN	ADT052AK
EV4	1	EVAPORATOR	HH270	GC	OWNER	GC	BOHN	LSF090BK
EV5	1	EVAPORATOR	HH270	GC	OWNER	GC	MCQUAY	ELC-070A
F1	1	ELECTRIC FURNACE	HH270	GC	OWNER	GC	GOODMAN	ARUF24B14CA
F2	1	CONDENSER	HH270	GC	OWNER	GC	GOODMAN	V5X130241EA
G1	1	GAS FURNACE	HH270	GC	OWNER	GC	AMERICAN STANDARD	CC3636B34-210L 899-884
G2	1	CONDENSER	HH270	GC	OWNER	GC	INTERNATIONAL COMFORT PRODUCTS	N4H330AKA100
H1	1	GAS FURNACE	HH270	GC	OWNER	GC	GOODMAN	CAPF3365B6BC
H2	1	CONDENSER	HH270	GC	OWNER	GC	JOHNSON CONTROLS	TCGD3054351A
I		NOT USED						
J	1	HEAT EXCHANGER	HH270	GC	OWNER	GC	JOHNSON CONTROLS	G1FA030514A
K1		NOT USED						
K2		NOT USED						
L1	1	GAS FURNACE	HH270	GC	OWNER	GC	AMERICAN STANDARD	4TXCB0318C3HC8A

HVAC SCHEDULE

EQUIP #	QTY.	DESCRIPTION	EXIST. RM. #	MOVED BY	FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL #
L2	1	CONDENSER	HH270	GC	OWNER	GC	TRANE	4AGH4030R1000A
M	1	HEATING TRAINING UNIT	HH270	GC	OWNER	GC	BRODHEAD GARRETT	9801
M1		NOT USED						
M2		NOT USED						
M3		NOT USED						
N	1	BOILER	HH270	GC	OWNER	GC	CROWN	BWC070ENV11PSU
O	1	ICEMAKER	HH270	GC	OWNER	GC	SCOTSMAN	MFE400A-1A
P	1	ICEMAKER	HH270	GC	OWNER	GC	MANITOWOC	QD0452A
Q	1	GEO	HH270	GC	OWNER	GC	DAIKIN	WWFW1036BEV101YAC
R	1	FREEZER	HH270	GC	OWNER	GC	ARCTIC AIR	AF49
S		NOT USED						
T	1	GEO	HH270	GC	OWNER	GC	HYDRO HEAT	03-040-WTAR-TS-MT
U	1	GEO	HH270	GC	OWNER	GC	HYDRO HEAT	03-040-WTAR-TS-MT
V	1	NOT USED						
W1	1	GAS FURNACE	HH270	GC	OWNER	GC	COLEMAN/JOHNSON CONTROLS	FC35B3K1A
W2	1	CONDENSER	HH270	GC	OWNER	GC	INTERNATIONAL COMFORT PRODUCTS	N2A318AKA100
X1	1	GAS FURNACE	HH270	GC	OWNER	GC	CARRIER	CU5830-CL75
X2	1	CONDENSER	HH270	GC	OWNER	GC	CARRIER	C8YRA024300
Y1		NOT USED						
Y2		NOT USED						
Z1	1	ELECTRIC FURNACE	HH270	GC	OWNER	GC	CARRIER	FB4NF03
Z2	1	CONDENSER	HH270	GC	OWNER	GC	CARRIER	38CKC030340
AA1	1	ELECTRIC FURNACE	HH270	GC	OWNER	GC	CARRIER	FB4NF030
AA2	1	CONDENSER	HH270	GC	OWNER	GC	CARRIER	38YCC030340
BB	1	REFRIGERATOR	HH270	GC	OWNER	GC	ARCTIC AIR	AF49E
ROLLCART 1	1	ELECTRIC FURNACE	HH270	GC	OWNER	GC	INTERNATIONAL COMFORT PRODUCTS	NFCP3600C2
ROLLCART 1	1	CONDENSER	HH270	GC	OWNER	GC		919586D
ROLLCART 2	1	PACKAGE UNIT	HH270	GC	OWNER	GC	GOODMAN	GPC1324H21AD
ROLLCART 3	1	ELECTRIC FURNACE	HH270	GC	OWNER	GC	BRYANT	FB4NF036
ROLLCART 3	1	CONDENSER	HH270	GC	OWNER	GC	CARRIER	38TDB036300
ROLLCART 4	1	ELECTRIC FURNACE	HH270	GC	OWNER	GC	JOHNSON CONTROLS	EDD4X308AT2
ROLLCART 4	1	CONDENSER	HH270	GC	OWNER	GC	CARRIER	38E2A030500
ROLLCART 5	1	ELECTRIC FURNACE	HH270	GC	OWNER	GC	BRYANT	FB4NF036
ROLLCART 5	1	CONDENSER	HH270	GC	OWNER	GC	CARRIER	38BYC030310

GENERAL NOTES - Sheet A1.7

- Do not scale drawings.
- Final equipment location as directed by Owner.
- See Mech/Elec/Plumbing Drawings for connections to equipment.

KEY NOTES - Sheet A1.7

- Equipment indicated in HVAC Lab is conceptual. GC to move equipment from existing HVAC Lab on main campus (See Sheet A1.8) and set in place as directed by Owner. Owner shall make all final gas, water and electrical connections.
- Welding tables by Owner (NIC).
- Electrical panels - see Elec Dwg's.
- Welding curtains and framing. See interior elevations.
- Hoods by Mechanical Contractor, located above welding tables - size as indicated. Verify and coordinate final size of hood with Owner-provided table. See Mechanical Dwg's for hood detail and duct sizes.
- Oil quencher by Owner (NIC).
- Hoods by Mechanical Contractor, located above owner provided equipment - size as indicated. Verify and coordinate final size of hood with Owner. See Mechanical Dwg's for hood detail and duct sizes.
- Provide steel plate attached to steel frame at back of this welding station.

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JOCHRAN

- Civil Engineering
- Land Surveying
- Architecture
- Site Development
- General Consulting
- Master Planning

Two working days prior to the start of any excavation call 1-800-303-RITE for utility location information.

All OSHA rules & regulations and construction required by these plans shall be strictly followed (ie. trenching, shoring, etc.)

JOSEPH A. JOCHRAN
PROFESSIONAL ARCHITECT
LICENSE NUMBER
A-6973
12514

EAST CENTRAL COLLEGE
CENTER FOR ADVANCED MANUFACTURING
AND WORKFORCE TRAINING
Union, Missouri 63084

Automatic Changeover Manifold Specifications

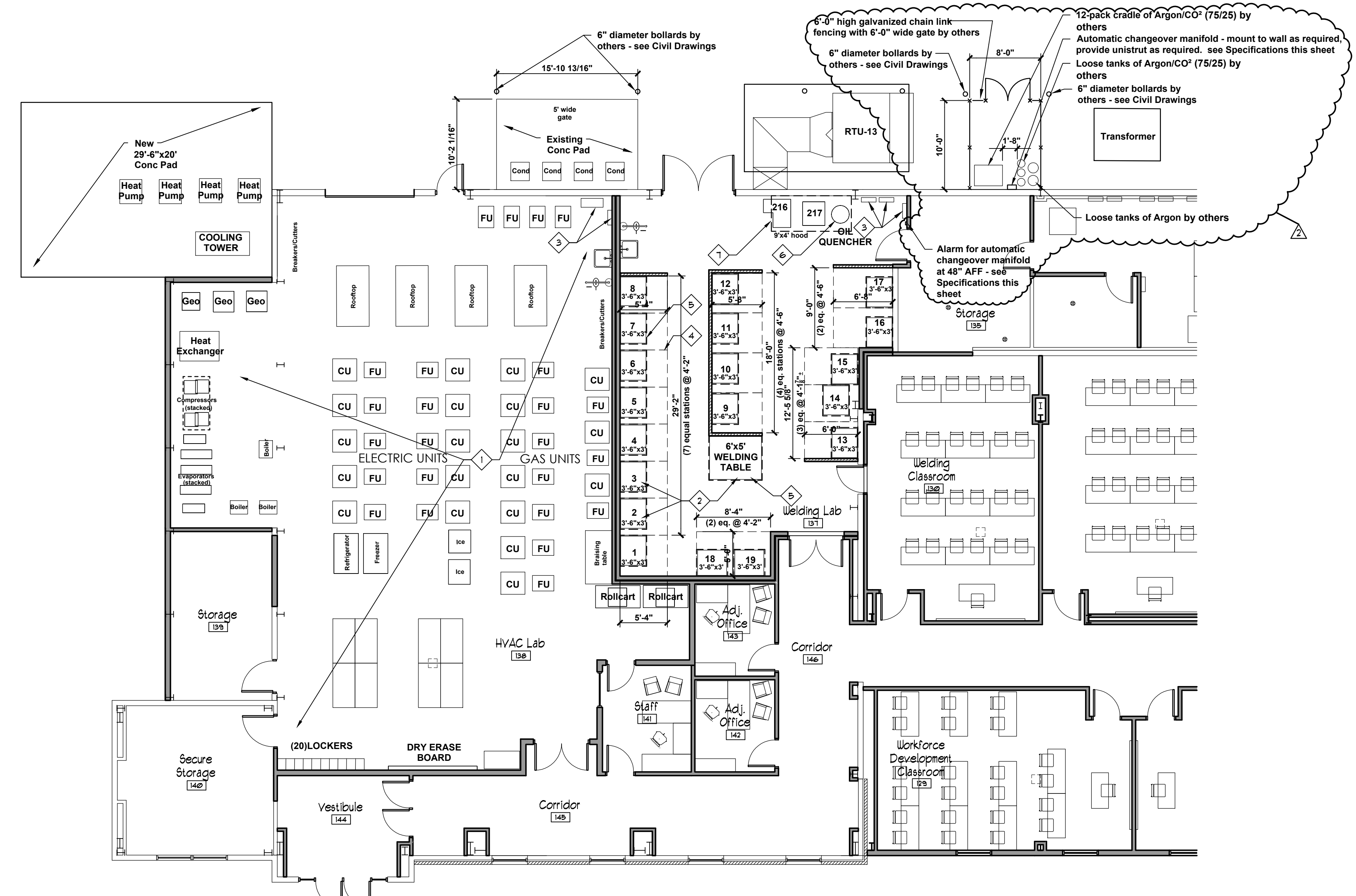
Pressure differential switchover
Concoa #6327632-01-580
High flow bracket-mounted, automatic switchover featuring maximum delivery pressure of 150 PSIG (10 BAR); left hand, 1/2-inch FPT outlet; one four-port micro manifold per side with three 36-inch, stainless steel-braided, PTFE-lined flexible hoses with CGA 580 cylinder connection with integral check valve inlet gland (four of eight possible stations have pigtailed); 0-200 PSIG/0-14 BAR dual-scale outlet gauge; 0-4000 PSIG/0-275 BAR dual-scale inlet gauges; alarm capability (alarm sold separately); and 3000 PSIG (210 BAR) maximum inlet pressure. Please Note: This unit may NOT be used with liquid cylinder.

Hose
Concoa #5290272-01-580
PTFE-lined flexible hose featuring 72-inch length; 1/4-inch MPT outlet; 3000 PSIG maximum inlet pressure; integral inlet check valve; and brass CGA 580 cylinder connection.

Alarm
Concoa #5750023-01-000
Advantium 2 Plus Remote Alarm: 110-240V single-system alarm to provide power and audible/visual monitoring of one enclosed or open-style switchover.

Alarm cable
Concoa #5295316-50
50 foot cable (female 6-pin by female 6-pin) to connect an Advantium remote alarm to gas distribution system.

NOTE: Provide the indicated products, or approved equal



HVAC & WELDING EQUIPMENT PLAN
1/8" = 1'-0"

HVAC & WELDING EQUIPMENT PLANS

DATE:	2/18/16	ADDENDUM #:	
DATE:	7/7/16	PROPOSAL REQUEST #:	5
DATE:	10/10/16	WELDING GAS PIPING	

OWN. BY: NAP
APP'D. BY: JAM

DATE: 1/25/16

SCALE: AS NOTED

PROJ. NO: 15-6038
EDA No. 05-01-05778
DWG. NO:

A1.7