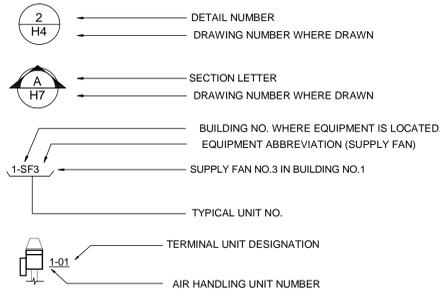
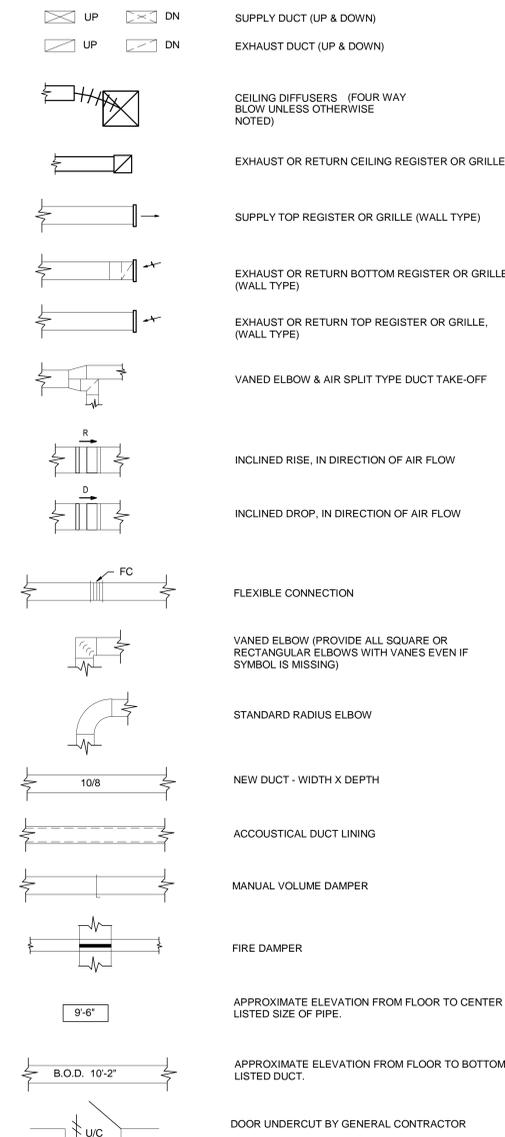


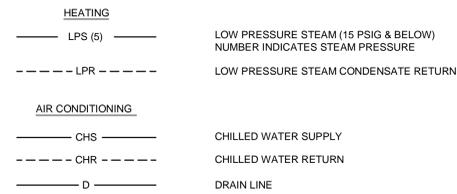
DRAWING SYMBOLS



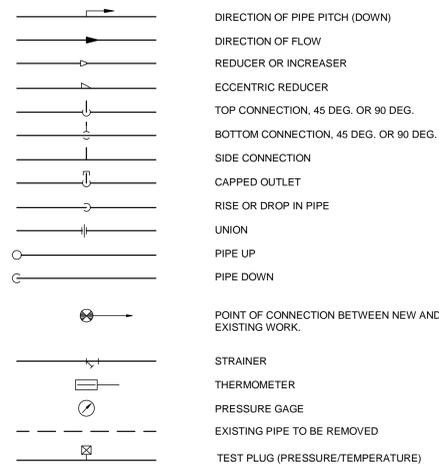
DUCTWORK SYMBOLS



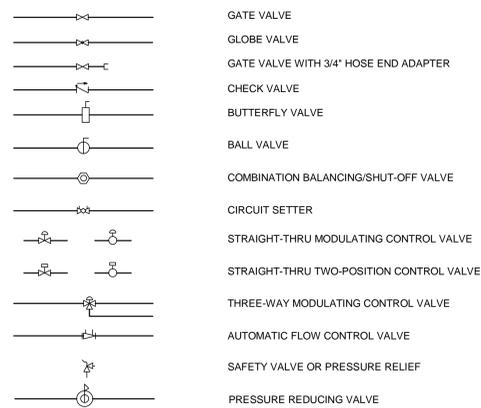
PIPING SYMBOLS



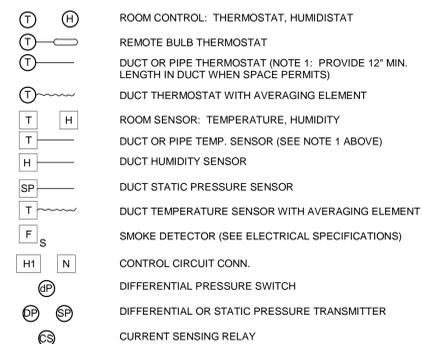
GENERAL



VALVES



CONTROLS



ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AI	ANALOG INPUT
AO	ANALOG OUTPUT
APD	AIR PRESSURE DROP
ATC	AUTOMATIC TEMPERATURE CONTROLS
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
C	CONVERTOR
CC	COOLING COIL
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CO	CLEAN OUT
CONV	CONVECTOR
D	AUTOMATIC CONTROL DAMPER
Db	DRY BULB TEMPERATURE, DEG. F
dBa	DECIBELS
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE
DI	DIGITAL INPUT
DIA	DIAMETER
DO	DIGITAL OUTPUT
ECC	ENGINEERING CONTROL CENTER
EMD	END OF MAIN DRIP
ENT	ENTERING
EX	EXISTING
F	FAHRENHEIT
FLR	FLOOR
FPM	FEET PER MINUTE
FT	FEET
GPM	GALLONS PER MINUTE
HC	HEATING COIL
HD	HEAD
HP	HORSEPOWER
IN	INCHES
IN WC	INCHES WATER COLUMN
IN WG	INCHES WATER GAUGE
LAT	LEAVING AIR TEMPERATURE
LBS/HR	POUNDS PER HOUR
LPR	LOW PRESSURE STEAM CONDENSATE RETURN
LPS	LOW PRESSURE STEAM SUPPLY (15 PSIG & BELOW)
LTCP	LOCAL TEMPERATURE CONTROL PANEL
LVG	LEAVING
MAX	MAXIMUM
MB	MIXING BOX
MBH	1000 BTUH
MERV	MINIMUM EFFICIENCY REPORTING VALVE
MIN	MINIMUM
NC	NOISE CRITERIA
NOM	NOMINAL
O.A.	OUTSIDE AIR
PD	PRESSURE DROP (FEET OF WATER)
POD	POWER OPERATED, OPPOSED BLADE DAMPER
PPD	POWER OPERATED, PARALLEL BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
Rh	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
SDR	SMOKE DAMPER (RETURN)
SDS	SMOKE DAMPER (SUPPLY)
S.P.	STATIC PRESSURE (INCHES OF WATER)
SPS	STATIC PRESSURE SENSOR
V	VALVE
VAV	VARIABLE AIR VOLUME
Wb	WET BULB TEMPERATURE, DEG. F
W.B.E.	WHITE BAKED ENAMEL

GENERAL NOTES:

- THESE NOTES APPLY EQUALLY TO THE FULL SET OF DOCUMENTS.
- INCLUDE ALL WORK NECESSARY TO ACCOMMODATE PHASING. REFER TO DRAWINGS AND GENERAL REQUIREMENTS SECTION 01 00.00.
- INSULATE DUCTWORK AND PIPING WHERE EXISTING INSULATION HAS BEEN DAMAGED AND/OR REMOVED IN THE PERFORMANCE OF WORK IN THIS PROJECT.
- THE CONTRACTORS SHALL REFER TO ALL SPECIFICATION SECTIONS AND THESE DRAWINGS FOR DETAILS OF BUILDING CONSTRUCTION TO ENSURE SPACE AND SATISFACTORY ARRANGEMENT FOR THEIR WORK. THE VARIOUS DRAWINGS COMPRISING THE SET ARE INTERDEPENDENT AND MUST BE USED JOINTLY AT ALL TIMES. EACH CONTRACTOR SHALL REFER TO THE GENERAL REQUIREMENTS OF THE CONTRACT. THE NOTES AND SYMBOLS INDICATED ON THE DRAWINGS ARE FOR THE GUIDANCE OF ALL TRADES INVOLVED IN THE PROJECT AND MUST BE FOLLOWED TO EXECUTE THE WORK AS INTENDED. IF DISCREPANCIES OCCUR, CONTACT THE PROJECT ENGINEER (COTR) THRU THE CONTRACTING OFFICER FOR CLARIFICATION BEFORE PROCEEDING.
- EACH CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHERS. HE SHALL KEEP HIMSELF INFORMED OF THE PROGRESS AND DETAIL DEVELOPMENT OF THE WORK OF OTHERS AND SHALL BE RESPONSIBLE FOR COORDINATING AND EXPEDITING HIS WORK WITH OTHERS SO THAT THE PROGRESS OF THE TOTAL WORK SHALL BE KEPT ON SCHEDULE.
- ALL WORK SHALL BE PERFORMED IN COMPLETE COMPLIANCE WITH ALL GOVERNING CODES AND STANDARDS.
- EXISTING CONDITIONS SHOWN HAVE BEEN BASED UPON VISUAL OBSERVATION AND/OR AVAILABLE DRAWING INFORMATION, AND MAY BE AT VARIANCE WITH ACTUAL WORK IN PLACE. THE CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND FIELD VERIFY ALL CONDITIONS AFFECTING THE EXECUTION OF THE WORK. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE WORK SHOWN ON THE CONTRACT DOCUMENTS WHICH MAY IMPACT THE PROGRESS OF THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER IN WRITING FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.
- EACH CONTRACTOR AND/OR TRADE, FITTING OR PLACING HIS WORK INTO OR ON THE WORK OF OTHERS DOES SO WITH THE UNDERSTANDING THAT THE INSTALLATION OF HIS WORK CONSTITUTES HIS ACCEPTANCE OF THE SUITABILITY OF THE WORK IN PLACE. IF THE WORK OF OTHERS IS NOT ACCEPTABLE, HE SHALL NOTIFY THE VA PROJECT ENGINEER AND SUCH WORK SHALL BE CORRECTED. ANY NEW WORK INSTALLED IN UNSUITABLE EXISTING WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR TRADE INSTALLING THE NEW WORK. NO CLAIMS FOR ADDITIONAL COMPENSATION FOR CORRECTING WORK INSTALLED IN UNSUITABLE EXISTING CONDITIONS WILL BE CONSIDERED.
- IF, IN THE PERFORMANCE OF THIS WORK, MATERIALS ARE OBSERVED WHICH ARE SUSPECTED TO CONTAIN ASBESTOS, THE CONTRACTOR SHALL IMMEDIATELY INFORM THE VA PROJECT ENGINEER. WORK THAT WOULD EXPOSE WORKERS TO THE INHALATION OF ASBESTOS PARTICLES SHALL BE TERMINATED. WORK MAY BE RESUMED ONLY AFTER A DETERMINATION HAS BEEN MADE AND UNSAFE MATERIALS HAVE BEEN REMOVED OR ENCAPSULATED AND THE AREA DECLARED SAFE.
- ALL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES SHALL BE PROTECTED AND/OR FIRE-STOPPED TO MAINTAIN EXISTING FIRE RATINGS. COORDINATE WITH ALL TRADES TO ENSURE FIRE-RATED PENETRATION REQUIREMENTS AND DETAILS ARE MET.
- ANNULAR SPACE OF ALL PIPE, CONDUIT, DUCT & OTHER SIMILAR PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE FIRESTOPPED. IN ADDITION, PENETRATIONS THROUGH 0-HOUR RATED WALLS & FLOORS SHALL BE FIRESTOPPED TO RETARD PASSAGE OF FIRE & SMOKE.
- THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. DUCT SIZES ARE NET INSIDE DIMENSIONS.
- ACCESS PANELS IN NON ACCESSIBLE SUSPENDED CEILINGS SHALL BE PROVIDED FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, FLOW METERS, CONTROLS, ETC.
- FOR TYPICAL STEAM, WATER AND REFRIGERANT PIPING CONNECTIONS TO EQUIPMENT, SEE STANDARD DETAILS AND PIPING SCHEMATICS.
- DIFFUSER SIZES SHOWN ON FLOOR PLANS ARE NECK SIZES. REGISTER AND GRILLE SIZES SHOWN ARE FACE SIZES.
- WATER PIPE CONNECTIONS TO AIR HEATING AND COOLING COILS SHALL BE MADE TO PROVIDE COUNTER FLOW BETWEEN WATER AND AIR.
- WHERE DUCTS OR PIPES ARE REMOVED THRU WALL/FLOOR/ROOF THAT IS TO REMAIN, PATCH WALL/FLOOR/ROOF OPENING TO MATCH EXISTING WHERE OPENING IS NOT RE-USED.
- ALL CUTTING AND PATCHING REQUIRED FOR THIS PROJECT SHALL BE INCLUDED IN THE CONTRACT. REFINISH ANY SURFACE DISTURBED UNDER THIS WORK TO MATCH EXISTING.
- IN GENERAL, KEEP DUCT AND PIPING MAINS NEXT TO UNDERSIDE OF STRUCTURE.
- ANY REMOVED EQUIPMENT SHALL BE TURNED OVER TO THE VA. ITEMS NOT DESIRED BY THE VA SHALL BE REMOVED FROM THE PREMISES AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- THE CONTRACT DRAWINGS ARE NOT INTENDED TO SHOW EVERY VERTICAL OR HORIZONTAL OFFSET WHICH MAY BE NECESSARY TO COMPLETE THE SYSTEMS. COORDINATE WORK IN ADVANCE WITH ALL OTHER TRADES AND REPORT IMMEDIATELY ANY DIFFICULTIES WHICH CAN BE ANTICIPATED.
- HEPA FILTERED EXHAUST IS REQUIRED TO MAINTAIN A MINIMUM OF 0.01" W.G. NEGATIVE PRESSURE IN CONSTRUCTION AREAS. COORDINATE WITH GENERAL CONTRACTOR AND THE PROJECT ENGINEER (COTR).
- TERMINATE PIPING AND DUCTWORK BELOW FLOORS, ABOVE CEILINGS, ETC., IN CONCEALED SPACES. ALL CUTTING AND PATCHING SHALL MATCH EXISTING FINISHES.
- WHERE CONTROL DEVICES ARE REMOVED, PNEUMATIC LINES SHALL BE REMOVED BACK TO MAIN AND CAPPED; AND CONTROL WIRING AND CONDUIT SHALL BE REMOVED BACK TO SOURCE.
- ALL EXISTING DUCTWORK, PIPING, EQUIPMENT, CONTROLS, ETC. SHOWN DASHED ON THE REMOVAL PLANS SHALL BE REMOVED. THE MAJORITY OF WORK TO BE REMOVED IS SHOWN. REMOVE ALL INCIDENTAL AND/OR ABANDONED EQUIPMENT, DUCTWORK, PIPING, ETC. THAT MAY NOT BE SHOWN BUT IS ASSOCIATED WITH THE REMOVAL WORK.
- WHERE EXISTING HVAC UTILITIES IN SERVICE WILL BE DISRUPTED DURING THE CONSTRUCTION OF THIS PROJECT, THIS WORK SHALL BE PERFORMED ON WEEKENDS OR WRECK NIGHTS, IF REQUIRED BY THE VA PROJECT ENGINEER. DOWNTIME SHALL BE KEPT TO A MINIMUM, AND SHALL BE COORDINATED AND SCHEDULED WELL IN ADVANCE WITH THE VA PROJECT ENGINEER.
- RUNOUT PIPING TO FAN COIL UNITS SHALL BE 0.75" SIZE UNLESS OTHERWISE NOTED ON PLANS OR IN SCHEDULES.
- APPROXIMATE ELEVATIONS NOTED ARE TO THE CENTER OF THE PIPE AND BOTTOM OF DUCT.
- CONTRACTOR IS RESPONSIBLE TO VISIT THE SITE, EXAMINE AND ACCEPT EXISTING CONDITIONS PRIOR TO BIDDING. SITE VISITS SHALL BE COORDINATED WITH THE PROJECT ENGINEER.
- CONTRACTOR IS RESPONSIBLE TO REPAIR AND/OR REFINISH TO MATCH ADJACENT EXISTING SURFACES, ANY EXISTING MATERIALS TO REMAIN THAT ARE DAMAGED DURING THE COURSE OF DEMOLITION OR NEW WORK.
- WHERE REMOVAL OF EXISTING WORK IS REQUIRED FOR INSTALLATION OF NEW WORK, CONTRACTOR SHALL REPAIR EXISTING CONSTRUCTION TO REMAIN OR PROVIDE NEW CONSTRUCTION TO MATCH EXISTING ADJACENT SURFACES TO REMAIN.
- ALL EXISTING WORK DISTURBED DURING PERFORMANCE OF THIS CONTRACT SHALL RECEIVE NEW FINISHES UNLESS SPECIFICALLY NOTED OTHERWISE. IF NO FINISH IS INDICATED AT A PARTICULAR SURFACE, CONTRACTOR SHALL MATCH EXISTING AND/OR PROVIDE FINISH AS INDICATED AT SIMILAR CONDITIONS.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY THE PROJECT ENGINEER OF ANY WORK WHICH MIGHT REQUIRE INTERRUPTION OF UTILITY SERVICES, CAUSE NOISE, OR CREATE VIBRATION. PRIOR TO THE COMMENCEMENT OF THIS WORK, THE CONTRACTOR'S WORK AND SCHEDULE SHALL BE APPROVED AND COORDINATED BEFORE HAND WITH THE PROJECT ENGINEER. SEE GENERAL CONDITIONS FOR FURTHER DETAIL.
- DO NOT PAINT ANY CAULKING OR SEALANTS WHICH ARE SUBJECT TO MOVEMENT - CONTROL JOINTS SHALL BE CAULKED AFTER PAINT AND SPECIAL COATING APPLICATIONS. PROVIDE CAULKING OR SEALANTS IN COLORS WHICH MATCH ADJACENT FINISHED SURFACE COLORS.
- THE CONTRACTOR, IN CONJUNCTION WITH HIS WORK, SHALL BE RESPONSIBLE TO PATCH AND REPAIR ALL EXISTING SUBSTRATES AND FINISHES INCLUDING BUT NOT LIMITED TO EXISTING WALLS, FLOORS, BASES, WAINSCOTS, CEILINGS, WINDOWS, WINDOW TRIM, WOOD WORK, DOORS, FRAMES, ETC. (UNLESS INDICATED OTHERWISE) AND PREPARE AREAS AS REQUIRED FOR NEW CONSTRUCTION FINISHES. WHERE WORK IS PERFORMED AND NO FINISH IS SPECIFICALLY INDICATED, THE CONTRACTOR IS RESPONSIBLE TO PATCH, REPAIR, AND PAINT TO MATCH ALL EXISTING ADJACENT MATERIALS, FINISH AND PAINT ALL WORK TO PROVIDE A COMPLETE, FINISHED, WORKMANLIKE JOB, ALL SUBJECT TO THE APPROVAL OF THE PROJECT ENGINEER.
- PATCH ALL EXISTING WALLS AND CEILINGS THAT ARE TO REMAIN (EXCEPT WHERE NOTED) AS REQUIRED TO PROVIDE A SOUND BASE FOR NEW FINISHES SUCH AS PAINT, ETC. ALL PATCHING SHALL MATCH EXISTING ADJACENT SURROUNDING AREAS AND SURFACES.
- IN ADDITION TO SPECIFIC REQUIREMENTS, THE GENERAL INTENT OF PAINTING AND TRANSPARENT FINISHES IS AS FOLLOWS: WHERE SURFACES ARE INDICATED TO BE PAINTED OR TRANSPARENT FINISH APPLIED, ALL OPENINGS, NEW AND EXISTING, INCLUDING WINDOWS, DOORS, FRAMES, TRIM, BASE, ETC. SHALL BE FINISHED OR REFINISHED IN CONJUNCTION WITH SURROUNDING WORK. WHERE SURFACES ARE NOT INDICATED TO BE PAINTED OR TRANSPARENT FINISH APPLIED IN THIS CONTRACT, ITEMS OF NEW WORK OR REPAIR WORK ONLY SUCH AS WALLS, CEILING, DOORS, FLOORS, WINDOWS, ETC. SHALL BE FINISHED TO MATCH EXISTING ADJACENT FINISHES. EXISTING ADJACENT FINISH SHALL REMAIN. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL FINISHES PRIOR TO EXECUTION OF THE WORK.
- WHERE NEW CONSTRUCTION REQUIRES CORE DRILLING THROUGH EXISTING STRUCTURAL CONCRETE FLOOR SLABS, THE CONTRACTOR SHALL COORDINATE HIS DRILLING WORK TO AVOID DRILLING INTO A STRUCTURAL ELEMENT, INCLUDING BEAMS, COLUMNS, ETC.
- ALL EXISTING OPENINGS IN EXISTING FLOOR WHICH ARE NOT BEING USED FOR NEW VERTICAL PIPING, DUCTS, CONDUIT, ETC. SHALL BE CLOSED WITH CONCRETE TO FULL DEPTH OF EXISTING SLAB.
- COVER ALL HORIZONTAL SURFACES IN CONSTRUCTION AREA WITH PLASTIC SHEET FOR PROTECTION FROM DUST AND OTHER CONSTRUCTION RELATED DEBRIS.

CONSULTANTS:

ARCHITECT/ENGINEERS:



Heapy Engineering
 MEP Design Technology Planning Commissioning Energy
Nationally Recognized Leader in Sustainability
 1400 W Dorothy Lane, Dayton, OH 45409-1310
 Ph 937-224-0861 Fax 937-224-5777 www.heapy.com
 HEAPY PROJECT No.: 2013-04023 FIRM LICENSE No.: 01528

LEGEND AND GENERAL NOTES

REPLACE INDUCTION UNITS

Location **Cincinnati, Ohio**

Project No.	539-15-201
Building Number	1
Drawing Number	M001
Dwg. 2 of 18	

Office of Construction and Facilities Management



Date 07/18/2014

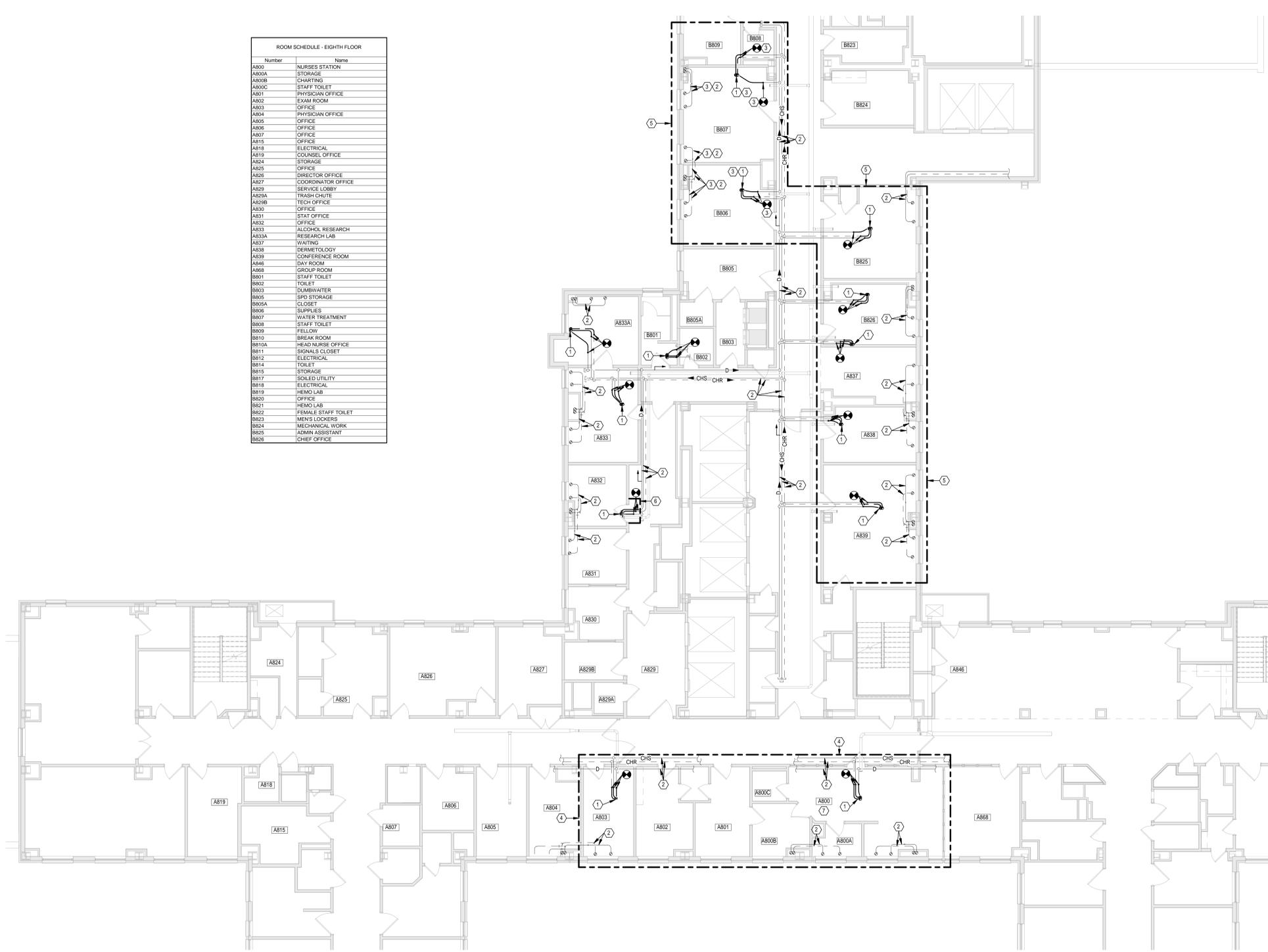
Checked DLE

Drawn DRV

7/18/2014 9:48:14 AM

Revisions	Date

ROOM SCHEDULE - EIGHTH FLOOR	
Number	Name
A800	NURSES STATION
A800A	STORAGE
A800B	CHARTING
A800C	STAFF TOILET
A801	PHYSICIAN OFFICE
A802	EXAM ROOM
A803	OFFICE
A804	PHYSICIAN OFFICE
A805	OFFICE
A806	OFFICE
A807	OFFICE
A815	OFFICE
A818	ELECTRICAL
A819	COUNSEL OFFICE
A824	STORAGE
A825	OFFICE
A826	DIRECTOR OFFICE
A827	COORDINATOR OFFICE
A829	SERVICE LOBBY
A829A	TRASH CHUTE
A829B	TECH OFFICE
A830	OFFICE
A831	STAT OFFICE
A832	OFFICE
A833	ALCOHOL RESEARCH
A833A	RESEARCH LAB
A837	WAITING
A838	DERMATOLOGY
A839	CONFERENCE ROOM
A846	DAY ROOM
A868	GROUP ROOM
B801	STAFF TOILET
B802	TOILET
B803	DUMBWATER
B805	SPD STORAGE
B805A	CLOSET
B806	SUPPLIES
B807	WATER TREATMENT
B808	STAFF TOILET
B809	FELLOW
B810	BREAK ROOM
B810A	HEAD NURSE OFFICE
B811	SHOALS CLOSET
B812	ELECTRICAL
B814	TOILET
B815	STORAGE
B817	SOILED UTILITY
B818	ELECTRICAL
B819	HEMO LAB
B820	OFFICE
B821	HEMO LAB
B822	FEMALE STAFF TOILET
B823	MEN'S LOCKERS
B824	MECHANICAL WORK
B825	ADMIN ASSISTANT
B826	CHIEF OFFICE

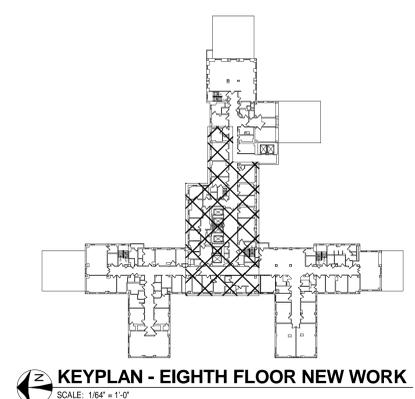


GENERAL NOTES

- A REFER TO SHEET M001 FOR LEGEND, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.
- B ALL NEW RUNOUT PIPING SHALL BE 0.75" UNLESS OTHERWISE NOTED.
- C COVER ALL HORIZONTAL SURFACES IN CONSTRUCTION AREA WITH PLASTIC SHEET FOR PROTECTION FROM DUST AND OTHER CONSTRUCTION RELATED DEBRIS.

NOTES

- 1 NEW UTILITIES UP TO NEW TWO-PIPE FAN COIL UNIT ABOVE. REFER TO DETAIL ON SHEET M104 AND FLOOR SLAB OPENING DETAIL ON SHEET M502.
- 2 EXISTING PIPING TO REMAIN.
- 3 ANY WORK (INCLUDING ASBESTOS ABATEMENT) TAKING PLACE IN ROOMS B806, B807, AND B808 SHALL BE DONE BETWEEN 4:00 PM SATURDAY AND 5:00 AM MONDAY. ROOMS MUST BE CLEANED AND READY TO RESUME FUNCTION PRIOR TO 5:00 AM MONDAY.
- 4 ALL WORK SHOWN WITHIN BOX SHALL BE DELETED FROM THE PROJECT BID ITEM 2.
- 5 ALL WORK SHOWN WITHIN BOX SHALL BE DELETED FROM THE PROJECT UNDER BID ITEM 3.
- 6 PROVIDE TEMPORARY PARTITION AROUND IMMEDIATE AREA OF CONSTRUCTION CONSISTING OF FLAME RETARDANT PLASTIC SHEET. MAINTAIN NEGATIVE PRESSURE WORK ENVIRONMENT WITHIN PARTITION.
- 7 ALL WORK DONE IN ROOM A800 SHALL BE DONE BETWEEN THE HOURS OF 4:00 PM AND 7:00 AM. ROOM MUST BE CLEANED AND READY TO RESUME FUNCTION PRIOR TO 7:00 AM.



KEYPLAN - EIGHTH FLOOR NEW WORK
SCALE: 1/8" = 1'-0"

PARTIAL EIGHTH FLOOR PLAN - PIPING
SCALE: 1/8" = 1'-0"

A three inches = one foot
 B one and one-half inches = one foot
 C one inch = one foot
 D three-quarters inch = one foot
 E one-half inch = one foot
 F three-eighths inch = one foot
 one-quarter inch = one foot
 one-eighth inch = one foot

A
 B
 C
 D
 E
 F

Revisions Date	CONSULTANTS:		ARCHITECT/ENGINEERS:	Drawing Title EIGHTH FLOOR PLAN - PIPING	Project Title REPLACE INDUCTION UNITS	Project No. VA Project No. 539-15-201		
	Heapy Engineering MEP Design Technology Planning Commissioning Energy Nationally Recognized Leader in Sustainability 1400 W Dorothy Lane, Dayton, OH 45409-1310 Ph 937-224-0861 Fax 937-224-5777 www.heapy.com HEAPY PROJECT No.: 2013-04023 FIRM LICENSE No.: 01528		Approved: Project Director	Location Cincinnati, Ohio	Building Number 1	Drawing Number MP108	Office of Construction and Facilities Management Department of Veterans Affairs	
7/18/2014 9:51:54 AM	Date				Date 07/18/2014	Checked DLE	Drawn DRV	Dwg. 12 of 18

GENERAL NOTES

- A. PROVIDE DEDICATED NEUTRAL FOR ALL 120V/20A CIRCUITS.
- B. PROVIDE PRINTED LABELS ON ALL RECEPTACLE AND SWITCH COVERPLATES INDICATING PANEL AND CIRCUIT NUMBER.
- C. EMT CONDUIT SHALL BE 0.75" MINIMUM.
- D. CONTRACTOR SHALL INSTALL ELECTRICAL CONDUIT/FEEDERS TIGHT TO STRUCTURE TO ALLOW FOR REQUIRED CLEARANCES AROUND OTHER TRADES ABOVE CEILING EQUIPMENT.
- E. (1) EACH BRANCH CIRCUIT NUMBER SHALL HAVE NO MORE THAN THREE CIRCUITS. EACH BRANCH CIRCUIT SHALL HAVE A SEPARATE NEUTRAL AND GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR.
- F. INCLUDE ALL WORK NECESSARY TO ACCOMMODATE PHASING.
- G. PROVIDE NAMEPLATE ID TAG ON FAN COIL INDICATING SOURCE AND CIRCUIT NO.

NOTES

- 1. UTILIZE EXISTING SPARE 120V-20A/1P BREAKER (WITHIN PANEL INDICATED) FOR NEW WORK.
- 2. PROVIDE NEW 120V-20A/1P BREAKER (WITHIN PANEL INDICATED) FOR NEW WORK.
- 3. FLOOR SET FAN COIL UNITS PROVIDED BY DIVISION 23. PROVIDE REQUIRED ELECTRICAL CIRCUITRY / ELECTRICAL CONNECTIONS. ACCESS FROM FLOOR BELOW. CONTRACTOR IS REQUIRED TO PROVIDE FLOOR / WALL PROTECTION AS NEEDED AND REPLACE ANY DAMAGED CEILING TILES WITH NEW. RETURN AREA BELOW BACK TO ORIGINAL CONDITIONS UPON COMPLETION OF WORK IN THAT SPECIFIC ROOM PRIOR TO MOVING ON TO THE NEXT.
- 4. EXISTING DDC PANEL LOCATION. CONNECT NEW PANEL, IF REQUIRED, TO EXISTING 120V CIRCUIT PRESENTLY SERVING EXISTING DDC PANEL.



NINTH FLOOR PLAN - POWER
SCALE: 1/8" = 1'-0"

three inches = one foot
 one and one-half inches = one foot
 one inch = one foot
 three-quarters inch = one foot
 one-half inch = one foot
 three-eighths inch = one foot
 one-quarter inch = one foot
 one-eighth inch = one foot

A
 B
 C
 D
 E
 F

Revisions Date	CONSULTANTS:		ARCHITECT/ENGINEERS:	Drawing Title	Project Title	Project No. VA Project No. 538-15-201	Office of Construction and Facilities Management Department of Veterans Affairs		
	Heapy Engineering MEP Design Technology Planning Commissioning Energy Nationally Recognized Leader in Sustainability 1400 W Dorothy Lane, Dayton, OH 45409-1310 Ph 937-224-0861 Fax 937-224-5777 www.heapy.com HEAPY PROJECT No.: 2013-04023 FIRM LICENSE No.: 01528		NINTH FLOOR PLAN - POWER	REPLACE INDUCTION UNITS	Building Number 1	Drawing Number EP109			
				Approved: Project Director	Location Cincinnati, Ohio	Date 07/18/2014	Checked MSG	Drawn JAS	Dwg. 18 of 18