

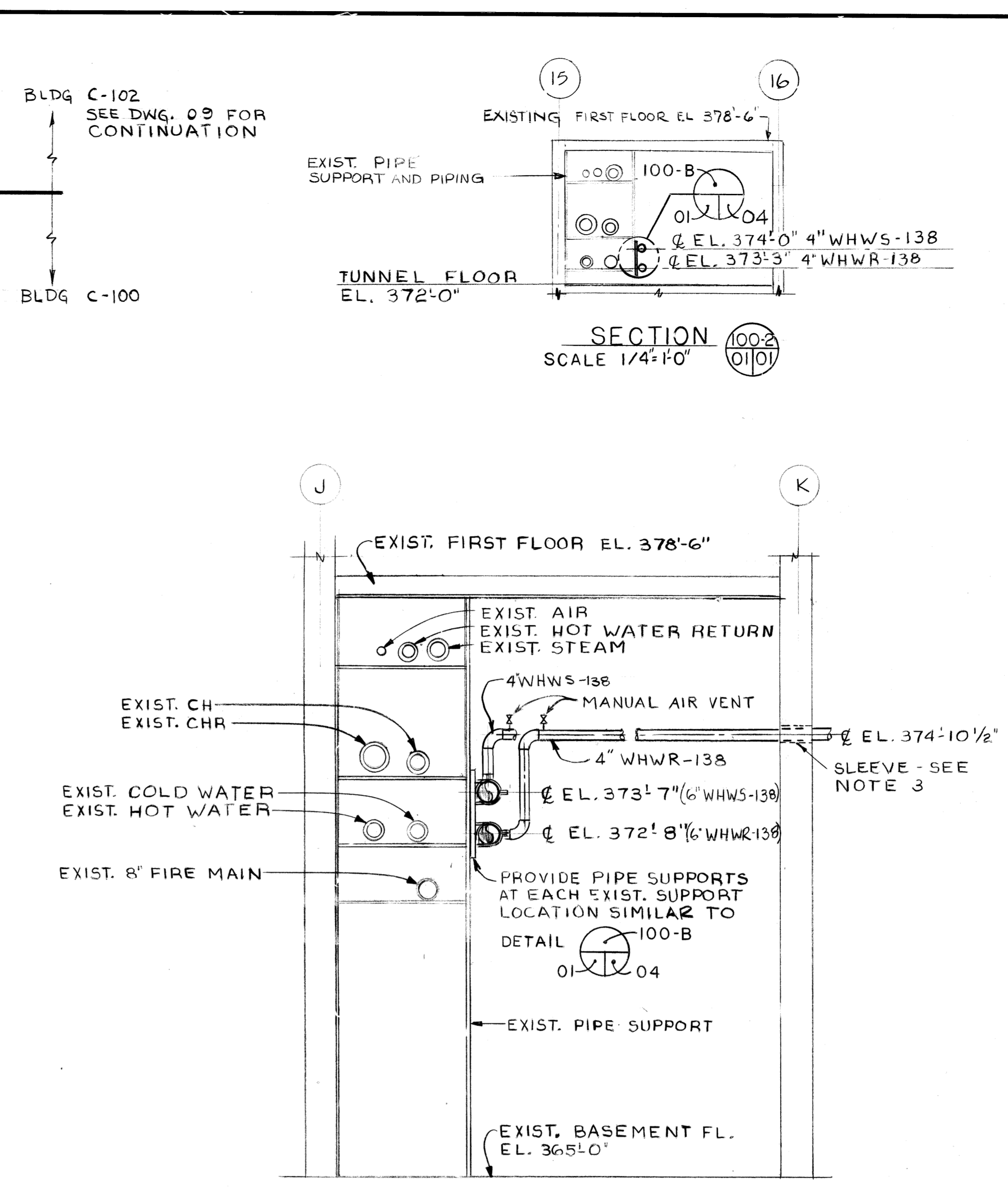
BASEMENT & TUNNEL-PART PLAN
SCALE 1/16"=1'-0"

- GENERAL NOTES**
- ALL COORDINATES & ELEVATIONS REFERENCED FROM EXISTING UCC-ND DRAWINGS.
 - WHERE COIL MODIFICATIONS ARE INDICATED, REMOVE EXISTING STEAM HEATING COIL, CONTROL VALVE, ASSOCIATED BRANCH STEAM & INSTRUMENT AIR PIPING. REPLACE WITH NEW HOT WATER COIL & CONTROL VALVE. CONNECT NEW COIL WITH NEW BRANCH HOT WATER SUPPLY & RETURN PIPING FROM NEW WHWS & WHWR MAINS. RECONNECT INSTRUMENT AIR & CAP BRANCH STEAM LINES. CONNECT NEW FACE & BYPASS DAMPERS AND DAMPER MOTORS, WHERE APPLICABLE.
 - NEW WHWS & WHWR PIPING AS SHOWN ON THE DRAWINGS IS SCHEMATIC. THE SUBCONTRACTOR WILL PROVIDE ANY ADDITIONAL OFFSETS THAT MAY BE REQUIRED TO AVOID EXISTING OBSTRUCTIONS NOT INDICATED ON THE DRAWINGS.
 - WHERE EXIST. STEAM HUMIDIFIERS ARE SHOWN REMOVE HUMIDIFIER, VALVE, HUMIDISTAT & ASSOCIATED BRANCH STEAM AND INSTRUMENT AIR PIPING, CAP BRANCH LINES.

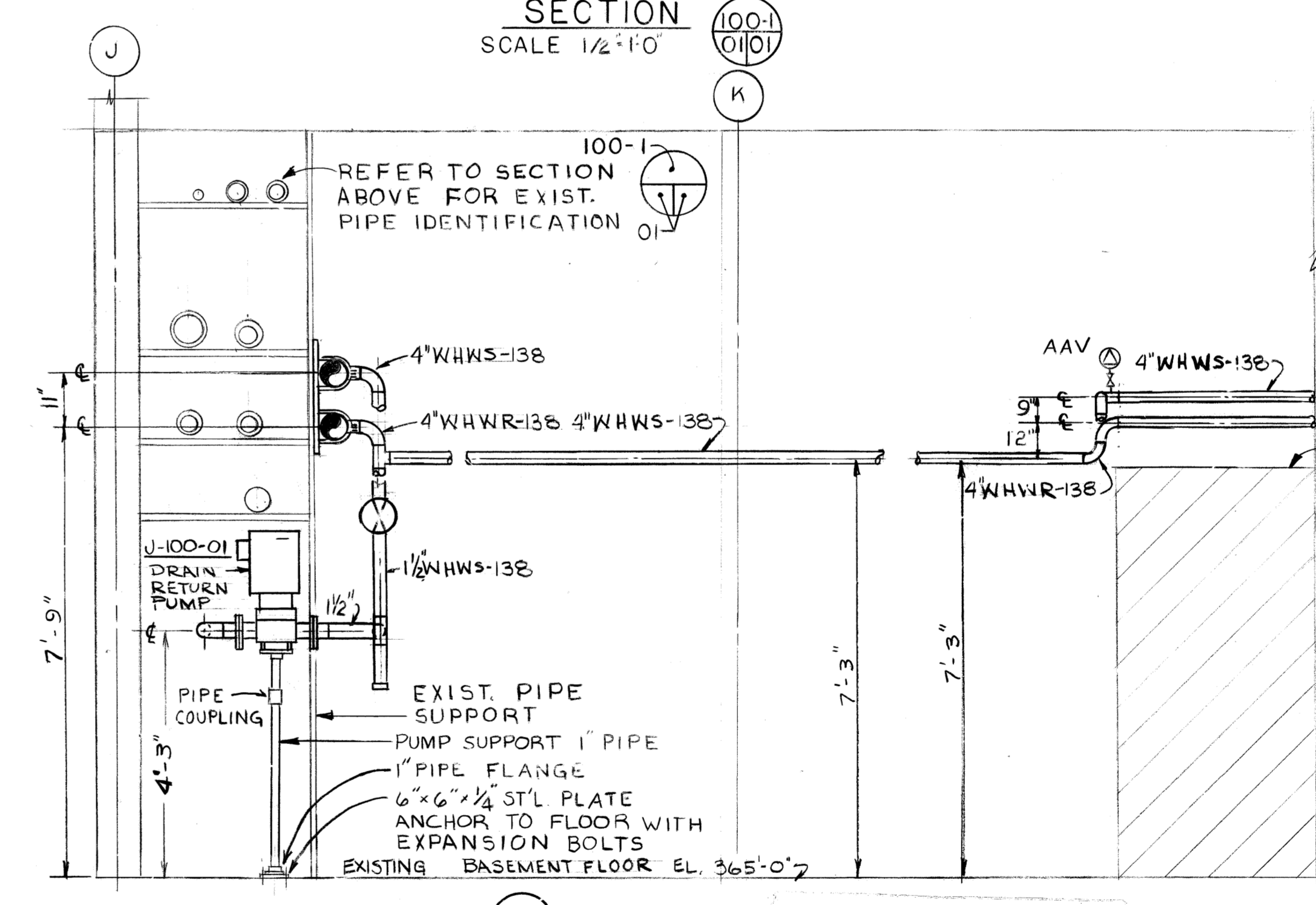
- NOTES (THIS DWG ONLY)**
- REFER TO DWG 06 FOR HOT WATER COIL CONNECTION DIAGRAM FOR BLDG. C-100
 - REFER TO DWG 06 FOR EQUIPMENT SCHEDULES FOR BLDG. C-100.
 - REFER TO ARCHITECTURAL DWGS FOR WALL PENETRATION DETAIL.
 - REFERENCE DWG'S. B1-10-M & B1-11-M JOB. NO. 8766 (FLOOR PLAN & SECTIONS)

NO.	DATE	BY	CHK	SEC	REV	REASON
2	1/26/98	1184				

REVISION APPROVALS



SECTION 100-2
SCALE 1/4"=1'-0"



SECTION 100-1
SCALE 1/2"=1'-0"

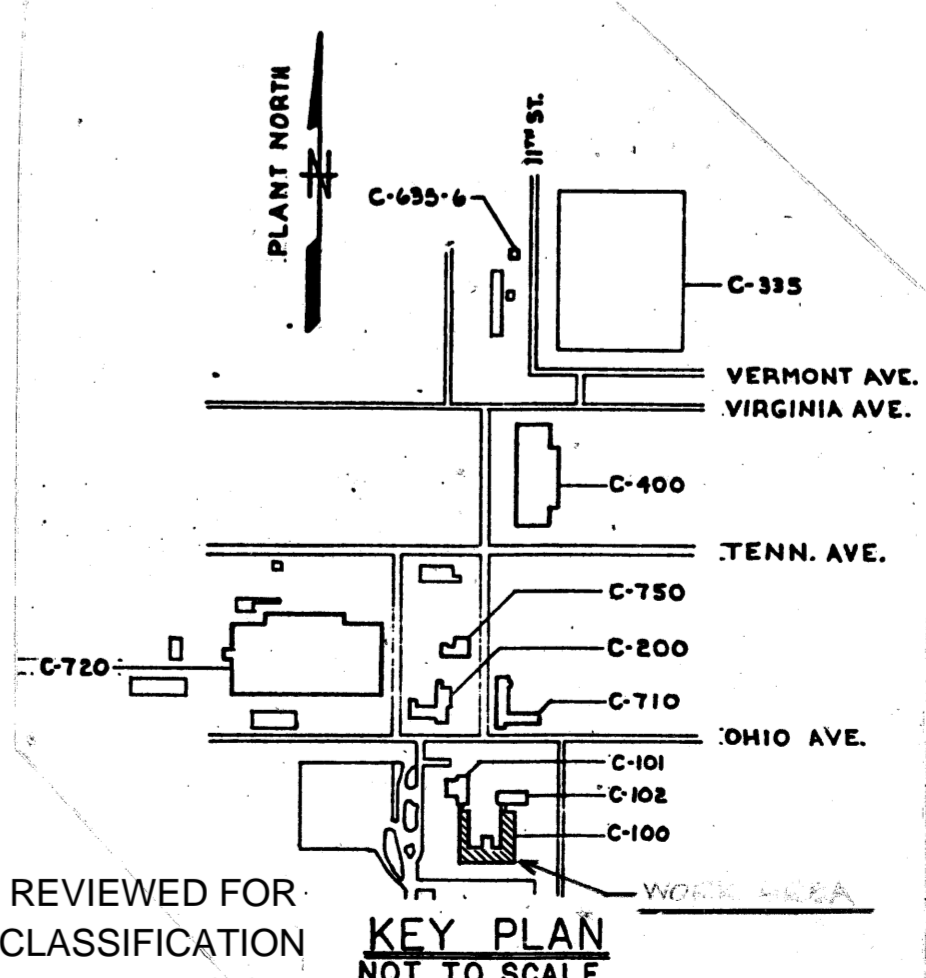
BUILDING REFERENCE INDEX

HSE DWG NUMBER	BUILDING NUMBER
01 THRU 06	C-100
07 AND 08	C-101
09 AND 10	C-102
11 THRU 13	C-200
14 THRU 22	C-400
23 THRU 26	C-710
27 THRU 38	C-720
39 AND 40	C-750

FOR INFORMATION ONLY

REVIEWED FOR CLASSIFICATION
DATE 1/26/98
INITIALS [Signature]

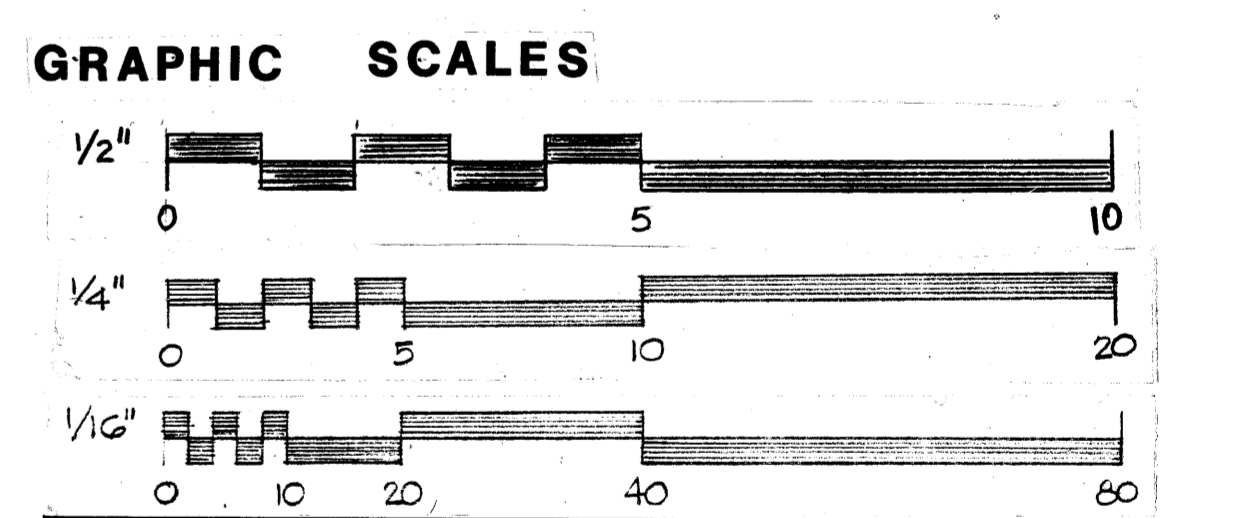
PIPELINE IDENTIFICATION
8" WHWS-138
SIZE SERVICE
SPEC. NO. (MATERIAL)



REVIEWED FOR CLASSIFICATION
DATE 06/13/2014
INITIALS Date UNCLASSIFIED

DRAWING ON WHICH SECTION OR DETAIL IS TAKEN
SECTION & DETAIL KEY

- LEGEND**
- AIR VENT (AAV AUTOMATIC AIR VENT)
 - CALIBRATED BALANCING VALVE WITH MEMORY STOP
 - CAP EXISTING PIPING AND REMOVE PIPE IN DIRECTION OF ARROW
 - CONCENTRIC REDUCER
 - GATE VALVE
 - GLOBE VALVE
 - CHECK VALVE
 - PIPE ANCHOR
 - TEMPERATURE CONTROL VALVE (2 WAY) WITH GAUGE CONNECTIONS
 - TEE DOWN
 - UNION
 - DIRECTION OF FLOW ARROW
 - WASTE HEAT WATER RETURN
 - WASTE HEAT WATER SUPPLY
 - NEW EQUIPMENT NUMBER
 - EXIST. EQUIPMENT NUMBER
 - PNEUMATIC INSTRUMENT SIGNAL
 - MAIN AIR SUPPLY
 - PRESSURE INDICATOR
 - THERMOSTAT
 - TEMPERATURE INDICATOR
 - TEMPERATURE SWITCH (X INDICATES EXIST. TO REMAIN)
 - TEMPERATURE TRANSMITTER
 - AAV AUTOMATIC AIR VENT
 - COIL
 - HEATING & VENTILATING UNITS, UNIT HEATER
 - O.A. INTAKE HOOD
 - CHILLED WATER SUPPLY
 - CHILLED WATER RETURN
 - DAMPER MOTOR
 - ELEVATION
 - FACE & BYPASS DAMPER
 - FIN TUBE RADIATION
 - FREEZE PROTECTION-TEMPERATURE SWITCH PUMP
 - MPS MEDIUM PRESSURE STEAM
 - PCV PRESSURE CONTROL VALVE INSTRUMENT AIR
 - PD PRESSURE DROP
 - PRV PRESSURE REDUCING VALVE
 - RHC REHEAT COIL
 - SAN SANITARY
 - SC STEAM CONDENSATE
 - SU SUPPLY UNIT
 - SOV SOLENOID VALVE
 - SP STATIC PRESSURE
 - STM STEAM
 - TCV TEMPERATURE CONTROL VALVE
 - UH UNIT HEATER (EXIST. DESIGNATION)
 - VU VENTILATING UNIT (EXIST. DESIGNATION)
 - OA OUTDOOR AIR
 - INDICATES DUCT CONSTRUCTION BY STATIC PRESSURE CLASS



BT Images, Inc. 00021589		
2 ADDED VALVE NOS FOR LOCKOUT/TAGOUT	5/11/98	
12 AS BUILT	1/26/98	
0 CERTIFIED FOR CONSTRUCTION	1/26/98	
REV. NO.	ISSUE PURPOSE (FPSC-6279)	INITIALS & DATE

UNITED STATES DEPARTMENT OF ENERGY

A. M. KINNEY, INC.
CONSULTING ENGINEERS
CINCINNATI, OHIO

HVAC
BUILDING C-100
BASEMENT & TUNNEL - PART PLAN

SUBMITTED - DATE 1/26/98
APPROVAL RECOMMENDED - DATE 3-27-99
DRAWING APPROVED - DATE 3/27/99

ARCHITECT-ENGINEER: [Signature]
OPERATOR: [Signature]
CHECKED: [Signature]
DATE: 2/6/98

PROJECT: PROCESS WASTE HEAT UTILIZATION
DRAWING NUMBER: H5E-14951-0001
REV. NO.: 2

MICROFILMED