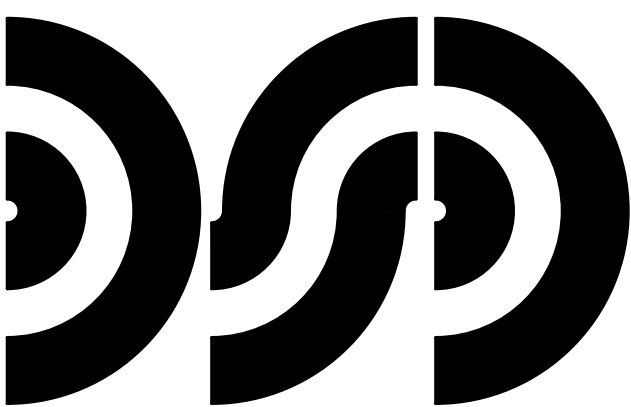


WAYNE STATE
UNIVERSITY

SCIENCE HALL CONDENSATE
RETURN PIPING REVISIONS

5045 CASS AVENUE
DETROIT, MICHIGAN 48201
WSU PROJECT# 005-304613



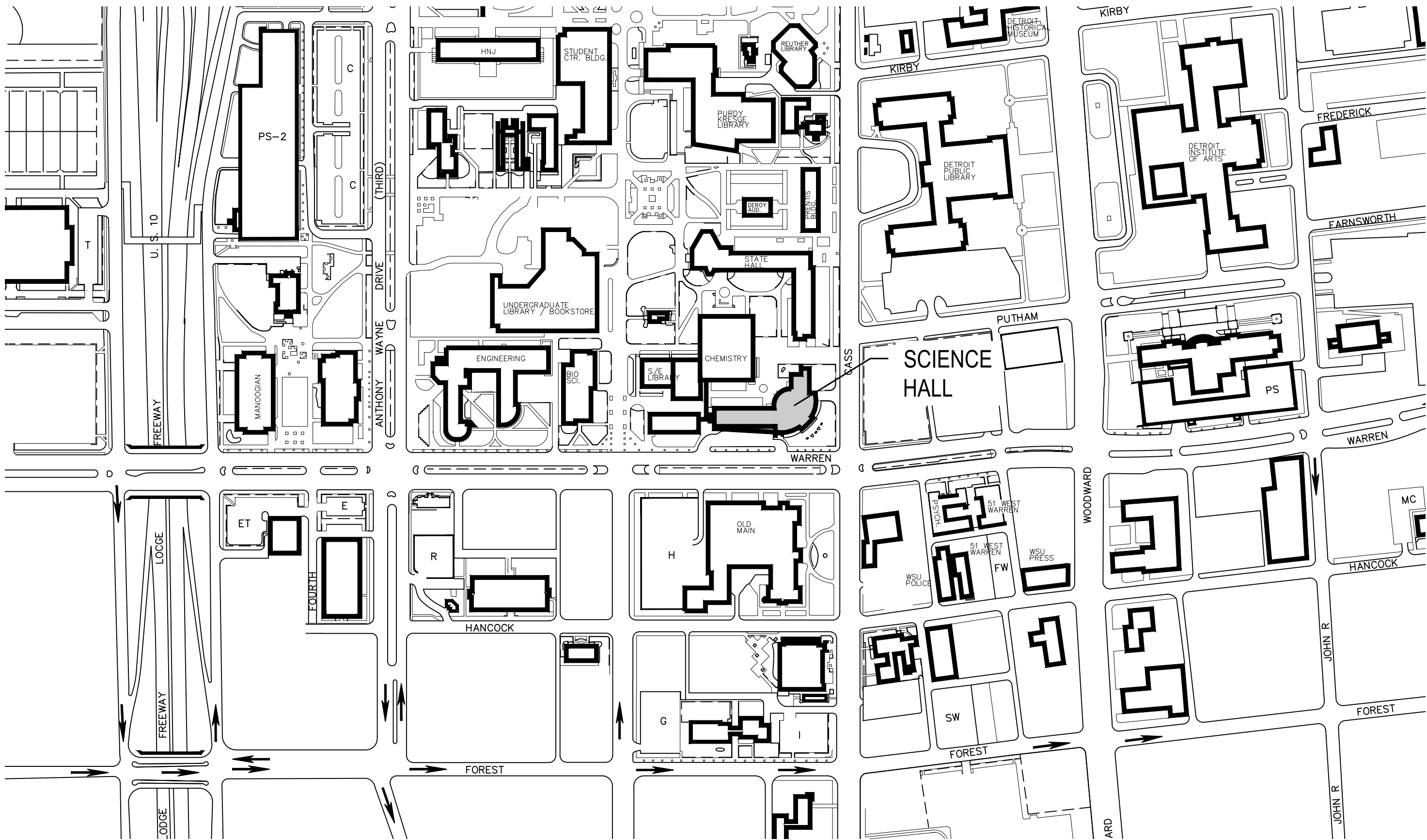
DiCLEMENTE SIEGEL DESIGN INC.
28105 GREENFIELD ROAD
SOUTHFIELD, MICHIGAN 48076-3046
DSD PROJECT No. 19-4801

ENGINEERING AND ARCHITECTURE

G-1	COVER SHEET
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MECHANICAL SHEET INDEX

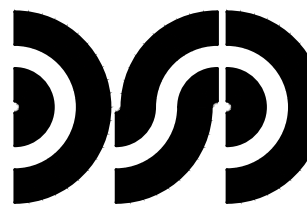
SHEET	DESCRIPTION
M-1	MECHANICAL GENERAL INFORMATION
M-2	PARTIAL SUB-BASEMENT DEMOLITION PLAN
M-3	PARTIAL BASEMENT DEMOLITION PLAN
M-4	PARTIAL SUB-BASEMENT NEW WORK PLAN
M-5	PARTIAL BASEMENT NEW WORK PLAN
M-6	MECHANICAL DETAILS
M-7	EXISTING COIL SCHEDULE



 LOCATION MAP
NOT TO SCALE

PIPING LEGEND	
SYMBOL	DESCRIPTION
—— CD ——	CONDENSATE DRAIN (GRAVITY)
—— CHWR ——	CHILLED WATER RETURN
—— CHWS ——	CHILLED WATER SUPPLY
—— COMB ——	COMBINATION SEWER
—— CR ——	CONDENSATE RETURN
—— CWR ——	CONDENSER WATER RETURN
—— CWS ——	CONDENSER WATER SUPPLY
—— F ——	FIRE PROTECTION
—— NG ——	NATURAL GAS
—— HHWR ——	HEATING HOT WATER RETURN
—— HHWS ——	HEATING HOT WATER SUPPLY
—— HPC ——	HIGH PRESSURE CONDENSATE
—— HPS ——	HIGH PRESSURE STEAM
—— LPC ——	LOW PRESSURE CONDENSATE
—— LPS ——	LOW PRESSURE STEAM
—— O ——	OIL
—— PC ——	PUMPED CONDENSATE
—— SAN ——	SANITARY
—— ST ——	STORM
—— V ——	VENT
—— ——— ———	COLD WATER
—— — — — —	HOT WATER
—— — — — —	HOT WATER RECIRCULATING

These documents are instruments of service

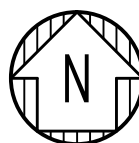
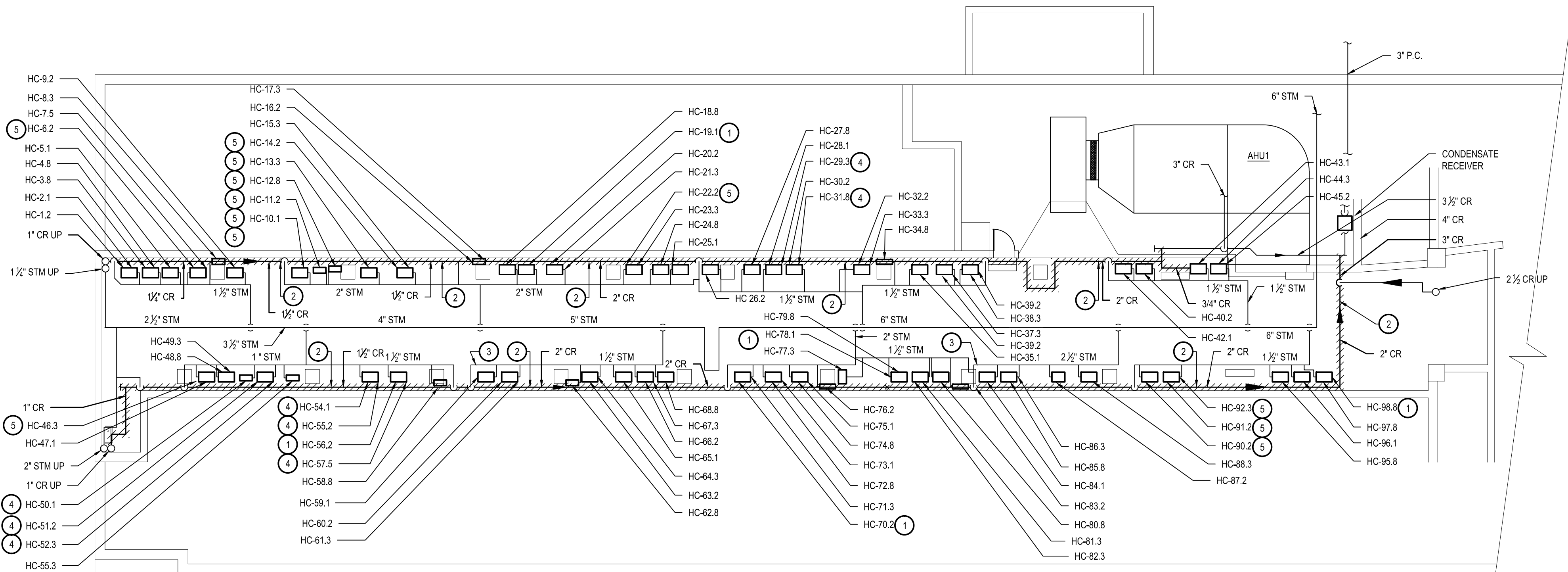


SHEET NOTES:

- ANY INTERRUPTIONS OF EXISTING SERVICES AND/OR EQUIPMENT SHALL BE PERFORMED AT A TIME APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE SO AS NOT TO INTERFERE WITH THE PRESENT BUILDING'S OPERATION.
- THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF WORK TO BE PERFORMED. THE EXACT EXTENT OF DEMOLITION SHALL BE AS REQUIRED BY THE NEW WORK.
- ALL MECHANICAL ITEMS TO BE REMOVED SHALL BE REMOVED COMPLETE WITH ALL RELATED ITEMS INCLUDING HANGERS, SUPPORTS, CONTROLS, ETC. CAP ALL OPEN ENDED PIPES AND DUCTWORK.
- ALL DEMOLITION OF THE EXISTING MECHANICAL SYSTEMS, INCLUDING BUT NOT LIMITED TO PIPING, DUCTWORK, CONTROLS, SUPPORTS, HANGERS, AND EQUIPMENT SHALL BE UNDER SCOPE OF DIVISION 02 OF THE SPECIFICATIONS.
- THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL EQUIPMENT BEING REMOVED.

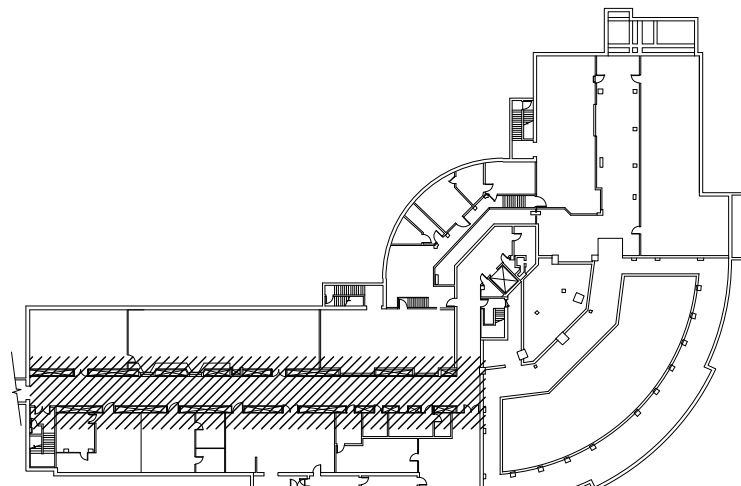
DEMOLITION KEYED NOTES:
(APPLICABLE THIS SHEET ONLY)

- REMOVE STEAM TRAP.
- REMOVE HORIZONTAL CONDENSATE RETURN MAIN PIPING AS INDICATED. PIPING FROM CONDENSATE RETURN MAIN BACK TO TRAP TO REMAIN FOR FUTURE CONNECTION TO NEW CONDENSATE RETURN MAIN, UNLESS NOTED OTHERWISE.
- REMOVE END OF LINE DRIP LEG TRAP.
- REMOVE CONDENSATE RETURN PIPING BACK TO TRAP.
- REMOVE TRAP AND CONDENSATE RETURN PIPING BACK TO COIL.



SUB-BASEMENT DEMOLITION PLAN

SCALE: 3/32" = 1'-0"
0 4 8 16 32



KEY PLAN
NO SCALE

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TITLE: CONDENSATE
RETURN PIPING
REVISIONS

WSU SCIENCE
HALL

5045 CASS AVENUE
DETROIT, MI 48201

PARTIAL SUB-BASEMENT
DEMOLITION PLAN

WSU PROJECT #: 005-304613
WSU BLDG NAME: SCIENCE HALL
WSU BLDG #: 005

A/E PROJECT NO.

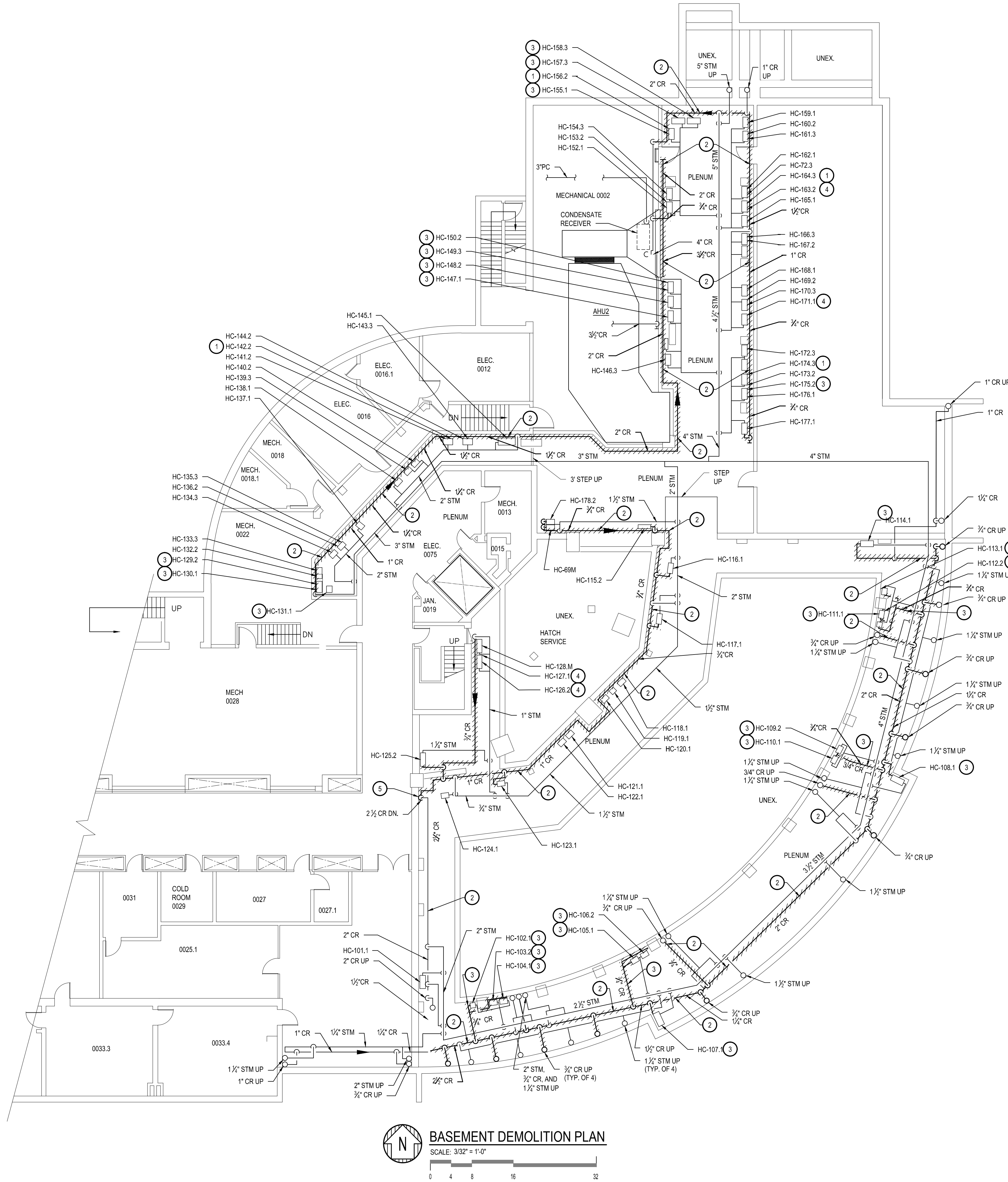
19-4801.00

SHEET NO.

M-2

DSD FILE NAME

19-4801-M-2



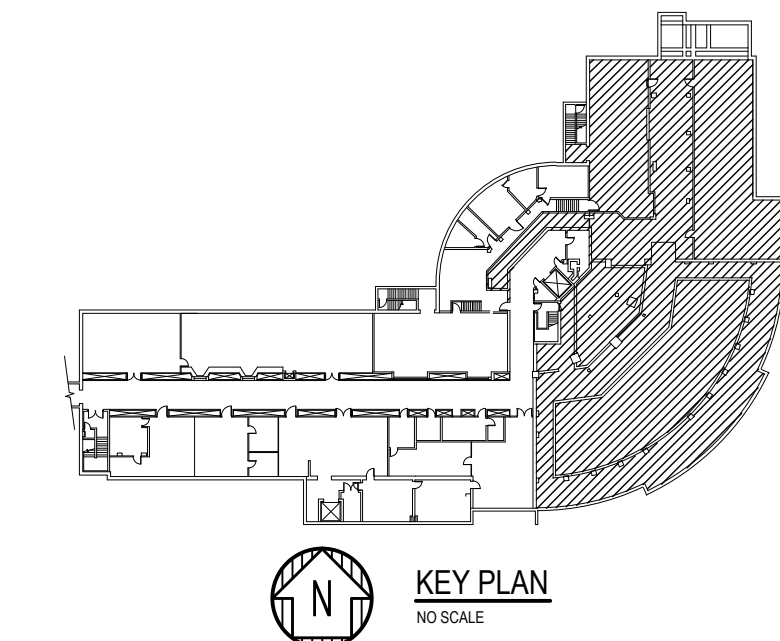
BASEMENT DEMOLITION PLAN
SCALE: 3/32" = 1'-0"
0 4 8 16 32

SHEET NOTES:

1. ANY INTERRUPTIONS OF EXISTING SERVICES AND/OR EQUIPMENT SHALL BE PERFORMED AT A TIME APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE SO AS NOT TO INTERFERE WITH THE PRESENT BUILDING'S OPERATION.
2. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF WORK TO BE PERFORMED. THE EXACT EXTENT OF DEMOLITION SHALL BE AS REQUIRED BY THE NEW WORK.
3. ALL MECHANICAL ITEMS TO BE REMOVED SHALL BE REMOVED COMPLETE WITH ALL RELATED ITEMS INCLUDING HANGERS, SUPPORTS, CONTROLS, ETC. CAP ALL OPEN ENDED PIPES AND DUCTWORK.
4. ALL DEMOLITION OF THE EXISTING MECHANICAL SYSTEMS, INCLUDING BUT NOT LIMITED TO PIPING, DUCTWORK, CONTROLS, SUPPORTS, HANGERS, AND EQUIPMENT SHALL BE UNDER SCOPE OF DIVISION 02 OF THE SPECIFICATIONS.
5. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL EQUIPMENT BEING REMOVED.

DEMOLITION KEYED NOTES:
(APPLICABLE THIS SHEET ONLY)

- 1 REMOVE STEAM TRAP.
- 2 REMOVE HORIZONTAL CONDENSATE RETURN MAIN PIPING AS INDICATED. PIPING FROM CONDENSATE RETURN MAIN BACK TO TRAP TO REMAIN FOR FUTURE CONNECTION TO NEW CONDENSATE RETURN MAIN, UNLESS NOTED OTHERWISE.
- 3 REMOVE THE CONDENSATE RETURN FROM MAIN BACK TO HEATING COIL.
- 4 REMOVE CONDENSATE RETURN PIPING BACK TO TRAP.
- 5 EXISTING CONDENSATE RETURN RISER RISER TO REMAIN.

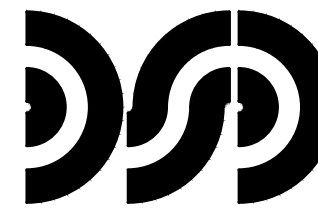


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WAYNE STATE UNIVERSITY

**Facilities Planning & Management
Design Services
5454 Cass Ave.
Detroit MI 48202**



DiClemente Siegel Design Inc.
Engineering and Architecture

28105 Greenfield Rd Southfield, MI 48076-3046
248.569.1430 Fax: 248.569.0096
Email: mktg@dsonline.com
www.dsonline.com
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BIDS	06/07/19
50% PROGRESS REVIEW	03/19/19

MARK	ISSUE	DATE
DESIGNER	DCM	
DRAWN	TCJ/DMN	
CHECKED	DCM	
DEPT MGR	DCM	
PROJECT MGR	DCM	

TITLE: CONDENSATE RETURN PIPING REVISIONS

WSU SCIENCE HALL
5045 CASS AVENUE
DETROIT, MI 48201

PARTIAL BASEMENT DEMOLITION PLAN

WSU PROJECT #: 005-304613
WSU BLDG NAME: SCIENCE HALL
WSU BLDG #: 005

A/E PROJECT NO.

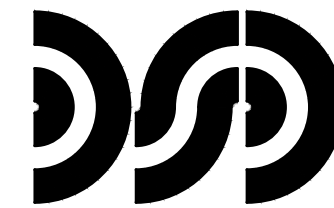
19-4801.00

SHEET NO.

M-3

DSD FILE NAME

19-4801-M-3



SHEET NOTES:

- THESE DRAWINGS ARE DIAGRAMMATIC & INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE PIPING SYSTEMS COMPLETE AND PER SPECIFICATIONS, AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, AND FITTINGS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.
- CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY WORK.
- PIPING SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT. PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
- THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.
- COORDINATE FLOOR AND WALL PENETRATIONS WITH ARCHITECTURAL TRADES.
- FOR EQUIPMENT VALVING, COMPONENT, AND PIPING ARRANGEMENT, REFER TO PIPING DIAGRAMS AND DETAILS.
- INSTALL ALL CONDENSATE RETURN PIPING WITH A CONSISTENT DOWNWARD SLOPE OF 0.4 PERCENT. USE ECCENTRIC FITTINGS FOR FOR CHANGES IN PIPE SIZE.
- RECONNECT ALL CONDENSATE BRANCH PIPING TO NEW CONDENSATE RETURN MAIN. RECONNECT ALL DRIP LEG TRAPS TO NEW CONDENSATE RETURN MAIN.

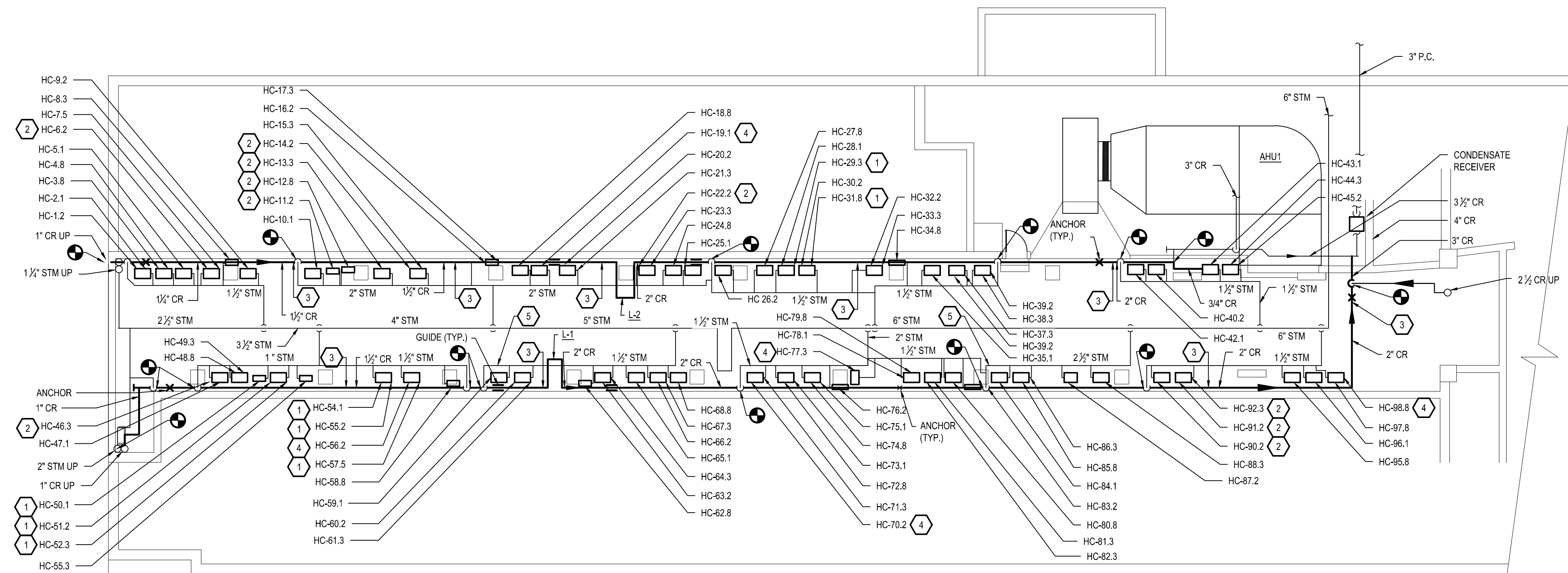
NEW WORK KEYED NOTES: (APPLICABLE THIS SHEET ONLY)

- INSTALL NEW CONDENSATE RETURN PIPING FROM TRAP. CONNECT TO NEW CONDENSATE RETURN MAIN SEPARATELY FROM OTHER RETURN BRANCHES.
- INSTALL NEW STEAM TRAP AND CONDENSATE RETURN PIPING. CONNECT TO NEW CONDENSATE RETURN MAIN.
- INSTALL NEW CONDENSATE RETURN MAIN PIPING. INSULATE ALL CONDENSATE RETURN PIPING. SUPPORT FROM WALL.
- INSTALL ALL NEW STEAM TRAP.
- INSTALL NEW DRIP LEG TRAP.

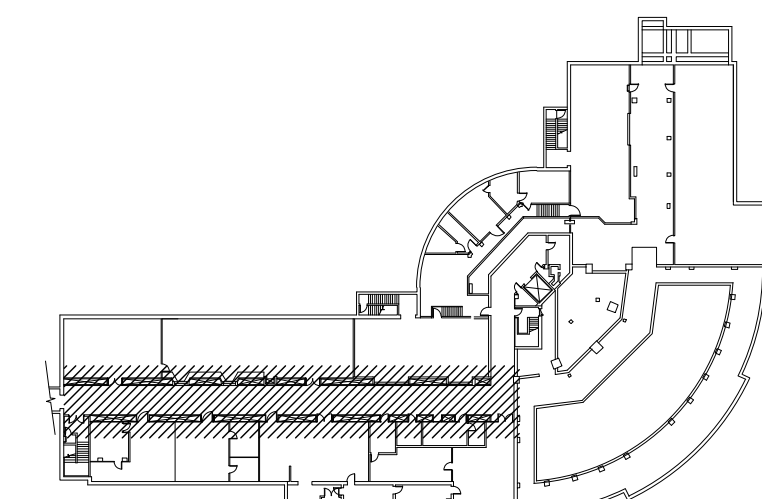
UNIT PRICING

PROVIDE UNIT PRICING FOR THE FOLLOWING ITEMS:

- REMOVE AND REPLACE STEAM TRAP.
- REMOVE STEAM TRAP AND CONDENSATE RETURN PIPING BACK TO THE HEATING COIL. INSTALL NEW STEAM TRAPS AND CONDENSATE RETURN PIPING, FITTINGS AND ACCESSORIES PER DETAIL ON SHEET M-6.
- REMOVE CONDENSATE RETURN PIPING BACK TO STEAM TRAP. INSTALL NEW CONDENSATE RETURN PIPING, FITTINGS AND ACCESSORIES PER DETAIL ON SHEET M-6. CONNECT TO CONDENSATE MAIN SEPARATELY FROM OTHER CONDENSATE RETURN BRANCH PIPING.



SUB-BASEMENT NEW WORK PLAN
SCALE: 3/32" = 1'-0"
0 4 8 16 32



KEY PLAN
NO SCALE

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BIDS	06/07/19
50% PROGRESS REVIEW	03/19/19

MARK	ISSUE	DATE
DESIGNER	DCM	
DRAWN	TCJ/DMN	
CHECKED	DCM	
DEPT MGR	DCM	
PROJECT MGR	DCM	

**TITLE: CONDENSATE
RETURN PIPING
REVISIONS**

**WSU SCIENCE
HALL**
5045 CASS AVENUE
DETROIT, MI 48201

**PARTIAL SUB-BASEMENT
NEW WORK PLAN**

WSU PROJECT #: 005-304613
WSU BLDG NAME: SCIENCE HALL
WSU BLDG #: 005

A/E PROJECT NO.
19-4801.00

SHEET NO.
M-4

DSD FILE NAME
19-4801-M-4



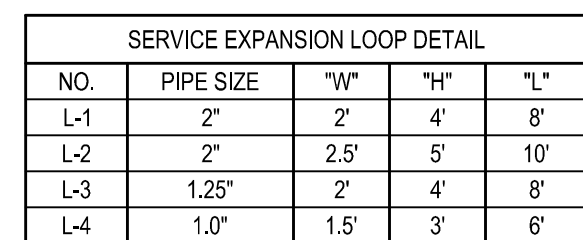
	BIDS	06/07/19
	50% PROGRESS REVIEW	03/19/19
MARK	ISSUE	DATE

**TITLE: CONDENSATE
 RETURN PIPING
 REVISIONS**

MECHANICAL DETAILS

A/E PROJECT NO. **19-4801.00**

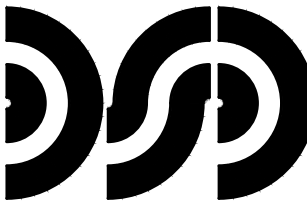
DSD FILE NAME	19-4801-M-6
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EXPANSION LOOP DETAIL



These documents are traditional plan and specification documents that are not intended to be used by the contractor as shop drawings. Final dimensions, equipment access, routing, miscellaneous fittings, final installation and coordination is the contractor's responsibility.



BIDS	06/07/19
50% PROGRESS REVIEW	03/19/19

MARK	ISSUE	DATE
DESIGNER	DCM	
DRAWN	TCJ/DMM	
CHECKED	DCM	
DEPT MGR	DCM	
PROJECT MGR	DCM	

TITLE: CONDENSATE RETURN PIPING REVISIONS

WSU SCIENCE
410 W WARREN
DETROIT, MI 48202

EXISTING COIL SCHEDULES

WSU PROJECT #: 005-304613
WSU BLDG NAME: SCIENCE HALL
WSU BLDG #: 005

A/E PROJECT NO.
19-4801.00

SHEET NO.
M-7

DSD FILE NAME
19-4801-M-7

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ISSUED FOR
REFERENCE
ONLY

STEAM HEATING COIL SCHEDULE														BASED ON 2 PSIG STEAM @ COIL	
MARK	CFM	MIN. F.A. SQ. FT.	COIL DIM. IN.	ROWS	FINS PER FT.	TYPE	AIR TEMP. F		MBH	LB./HR. STEAM	AIR RESIST. P.D. IN.W.G.	RUN OUT PIPE SIZE IN.		MFRG. & MODEL No.	REMARKS
							ENT.	LVG.				STM.	COND		
HC-101.1	1500	4.0	24" x 24"	1	47	SP	57	91.9	96.5	98.5	.05	1 1/4"	3/4"	TRANE NS	VESTIBULE # V2
HC-102.1	500	1.0	12" x 12"		42			75.1	9.8	10.1	.07	3/4"			LECTURE HALL #103
HC-103.2	750	1.5	12" x 18"					75.1	14.7	15.2	.07				LECTURE HALL #203
HC-104.1	500	1.0	12" x 12"					75.1	9.8	10.1	.07				LECTURE HALL #103
HC-105.1	800	1.5	12" x 18"					75	15.6	16.1	.08				LECTURE HALL #101
HC-106.2	750	1.5	12" x 18"					75.1	14.7	15.2	.07				LECTURE HALL #203
HC-107.1	2980	6.0	24" x 36"					79.1	71.2	73.7	.07	1 1/4"			CORRIDOR #C-101 & #C-102
HC-108.1	2720	6.0	24" x 36"					79.5	66.1	68.4	.06	1 1/4"			CORRIDOR #C-102 & #C-103
HC-109.2	700	1.5	12" x 18"					75.1	13.7	14.2	.06	3/4"			LECTURE HALL #202
HC-110.1	800	1.5	12" x 18"					75	15.6	16.1	.08				LECTURE HALL #101
HC-111.1	500	1.0	12" x 12"					75	9.7	10.0	.07				LECTURE HALL #102
HC-112.2	700	1.5	12" x 18"					75.1	13.7	14.2	.06				LECTURE HALL #202
HC-113.1	500	1.0	12" x 12"					75	9.7	10.0	.07				LECTURE HALL #102
HC-114.1	2130	4.0	24" x 24"		40			78.9	50.4	52.2	.08	1 1/4"			VESTIBULE #V4
HC-115.2	2390	5.0	30" x 24"		42			75	46.5	48.1	.06	1"			LECTURE HALL #203 WORKING ROOM #206
HC-116.1	500	1.0	12" x 12"					75	9.7	10.0	.07	3/4"			LECTURE HALL #102
HC-117.1	500	1.0	12" x 12"					75	9.7	10.0	.07				LECTURE HALL #102
HC-118.1	955	1.5	12" x 18"					75	10.8	11.2	.04				LECTURE HALL #101
HC-119.1	365	1.0	12" x 12"					75.3	7.2	7.5	.04				PREPARATION AREA #104
HC-120.1	955	1.5	12" x 18"					75	10.8	11.2	.04				LECTURE HALL #101
HC-121.1	955	1.5	12" x 18"					75	10.8	11.2	.04				LECTURE HALL #101
HC-122.1	955	1.5	12" x 18"					75	10.8	11.2	.04				LECTURE HALL #101
HC-123.1	500	1.0	12" x 12"					75.1	9.8	10.1	.07				LECTURE HALL #103
HC-124.1	500	1.0	12" x 12"					75.1	9.8	10.1	.07				LECTURE HALL #103
HC-125.2	2830	6.0	24" x 36"					75	55.0	57.0	.06	1 1/4"			LECTURE HALL #203 MEN'S ROOM #207
HC-126.2	380	1.0	12" x 12"					75	7.4	7.7	.04	3/4"			PREPARATION ROOM #201
HC-127.1	470	1.0	12" x 12"					75.1	9.2	9.5	.06				AUDIO VISUAL #105
HC-128.M	350	1.0	12" x 12"					75.3	6.9	7.1	.03				SERVICE STORES STORAGE #105.1
HC-129.2	835	2.0	12" x 24"					78.7	19.6	20.3	.05				LAB PREPARATION ROOM #205
HC-130.3	770	1.5	12" x 18"					79.0	18.3	18.9	.07				BIOLOGY PREPARATION ROOM #311
HC-131.1	2605	5.0	24" x 30"					78.6	60.7	62.8	.08	1 1/4"			STUDENT LOUNGE #100
HC-132.2	520	1.5	12" x 18"					85.3	15.9	16.5	.03	3/4"			UNASSIGNED LAB #200
HC-133.3	160	2.25	18" x 18"					79	27.5	28.5	.07				UNASSIGNED LAB #300.1
HC-134.3	325	1.5	12" x 18"					84.4	9.6	9.9	.03				UNASSIGNED PREP. RM #300.2
HC-135.3	160	2.25	18" x 18"					79	27.5	28.5	.07				UNASSIGNED LAB #300.1
HC-136.2	520	1.5	12" x 18"					85.3	15.9	16.5	.03				UNASSIGNED LAB #200
HC-137.1	100	1.0	12" x 12"					75	1.9	2.0	.01				VESTIBULE #V3
HC-138.1	100	1.0	12" x 12"					75	1.9	2.0	.01				VESTIBULE #V3
HC-139.3	380	1.0	12" x 12"					87	12.3	12.7	.04				UNASSIGNED LAB #300.3
HC-140.2	520	1.5	12" x 18"					89.3	15.9	16.5	.03				UNASSIGNED LAB #200
HC-141.2	520	1.5	12" x 18"					89.3	15.9	16.5	.03				UNASSIGNED LAB #200
HC-142.3	380	1.0	12" x 12"					87	12.3	12.7	.04				UNASSIGNED LAB #300.3
HC-143.3	320	1.0	12" x 12"					84.5	9.5	9.8	.03				UNASSIGNED PREP. RM #304
HC-144.2	320	1.0	12" x 12"					84.5	9.5	9.8	.03				LAB PREPARATION ROOM #204
HC-145.1	1030	2.0	12" x 24"					89.9	29.9	31.0	.07	1"			STUDENT LOUNGE #100.1
HC-146.3	420	1.0	12" x 12"					77.9	9.5	9.8	.05	3/4"			UNASSIGNED LAB #310
HC-147.1	800	1.5	12" x 18"					78.1	18.2	18.8	.08				UNASSIGNED LAB #10
HC-148.2	1005	2.0	12" x 24"					78.1	22.9	23.7	.07				UNASSIGNED LAB #210
HC-149.3	845	2.0	12" x 24"					79.6	19.1	19.8	.05				UNASSIGNED LAB #310
HC-150.2	1005	2.0	12" x 24"					78.1	22.9	23.7	.07				UNASSIGNED LAB #210
HC-151.3	845	2.0	12" x 24"					79.6	19.1	19.8	.05				UNASSIGNED LAB #310
HC-152.1	1600	3.0	18" x 24"					78	36.3	37.6	.08	1"			UNASSIGNED LAB #10
HC-153.2	1005	2.0	12" x 24"					78.1	22.9	23.7	.07	3/4"			UNASSIGNED LAB #210
HC-154.3	845	2.0	12" x 24"					79.6	19.1	19.8	.05				UNASSIGNED LAB #310
HC-155.1	700	1.5	12" x 18"					78.0	15.9	16.5	.06				UNASSIGNED LAB #10
HC-156.2	580	1.5	12" x 18"					75	11.3	11.7	.04				CORRIDOR #C-200
HC-157.3	450	1.0	12" x 12"					75	8.7	9.0	.06				CORRIDOR #C-300
HC-158.3	210	1.0	12" x 12"					77.7	4.7	4.9	.01				UNASSIGNED LAB #310
HC-159.1	905	2.0	12" x 24"					78.4	20.9	21.6	.06				PREPARATION ROOM #205 & UNASSIGNED LAB #208
HC-160.2	860	2.0	12" x 24"					78.5	20.0	20.7	.05				BIOLOGY LAB #208
HC-161.3	850	2.0	12" x 24"					78.3	19.8	20.5	.05				UNASSIGNED LAB #314
HC-162.1	330	1.0	12" x 12"					75.2	6.5	6.7	.03				CORRIDOR #C-100
HC-163.2	860	2.0	12" x 24"					78.5	20.0	20.7	.05				BIOLOGY LAB #208
HC-164.3	850	2.0	12" x 24"					78.3	19.8	20.5	.05				UNASSIGNED LAB #314
HC-165.1	940	2.0	12" x 24"					78.3	21.6	22.4	.06				UNASSIGNED LAB #108
HC-166.3	1120	2.25	18" x 18"					77.8	25.1	26.0	.07				COMPUTER SCIENCE RESEARCH LAB #208
HC-167.2	860	2.0	12" x 24"					78.5	20.0	20.7	.05				BIOLOGY LAB #208
HC-168.1	330	1.0	12" x 12"					75.2	6.5	6.7	.03				CORRIDOR #C-100
HC-169.2	860	2.0	12" x 24"					78.5	20.0	20.7	.05				BIOLOGY LAB #208
HC-170.3	450	1.0	12" x 12"					75	8.7	9.0	.06				CORRIDOR #C-300
HC-171.1	1880	4.0	24" x 24"					78.3	43.3	44.8	.06	1"			UNASSIGNED LAB #108
HC-172.3	1120	2.25	18" x 18"					77.8	25.1	26.0	.07	3/4"			COMPUTER SCIENCE RESEARCH LAB #208
HC-173.2	780	1.5	12" x 18"					79	18.5	19.2	.08				PREPARATION ROOM #208.1
HC-174.3	660	1.5	12" x 18"					79.6	16.1	16.7	.05				PREPARATION ROOM #308.2
HC-175.2	580	1.5	12" x 18"					75	11.3	11.7	.04				CORRIDOR #C-200
HC-176.1	700	1.5	12" x 18"					75.1	13.7	14.2	.06				CORRIDOR #C-100
HC-177.1	640	1.5	12" x 18"					79.9	15.8	16.4	.05				PREPARATION ROOM #108.4
HC-178.2	380	1.0	12" x 12"					75	7.4	7.9	.04				PREPARATION ROOM #201
HC-179.3	1640	3.0	18" x 24"					75.2	32.2	33.3	.08	1"			UNASSIGNED LAB #101, MEN'S ROOM #101, UNASSIGNED OFFICE #101
HC-180.3															
HC-181.3	305	1.0	12" x 12"	1	42			75	9.9	6.1	.03	3/4"			UNASSIGNED OFFICES #201, #202 & #203
HC-182.3	1870	4.0	24" x 24"		42			79.1	44.7	46.3	.06	1"			UNASSIGNED OFFICES #202 & #203
HC-183.3	2960	6.0	24" x 36"		42			78.1	67.6	70.0	.07	1 1/4"			UNASSIGNED LAB #303
HC-184.3	600	1.5	12" x 18"		42			75	11.6	12.0	.04	3/4"			UNASSIGNED OFFICES #205, #205.6, #205.9, #205.8, #205.11, #205.12 & #202.3
HC-185.3	2225	5.0	24" x 30"		42			79.1	53.2	55.1	.06	1 1/4"			UNASSIGNED LAB #208
HC-186.3	3040	6.0	24" x 36"		42			78.6	70.8	73.3	.07	1 1/4"			UNASSIGNED OFFICE #202
HC-187.3	170							75	3.3	3.4	.02	3/4"			UNASSIGNED OFFICES #205.12 & #205.14
HC-1	14,173	17.88	33" x 78"	1	92		-10	97	1030.3	1067.2	.32	3 1/2"	2"	TRANE NS	AHU-1, TYP. FOR 4
HC-2	15,098	18.75	30" x 90"	1	94		-10	97	1097.6	1136.2	.33	3 1/2"	2"	TRANE NS	AHU-2, TYP. FOR 5
HC-3	2340	3.0	18" x 24"	1	42		95	78	57.9	59.9	.17	1 1/4"	3/4"	TRANE NS	AHU-3, LETHAL CHAMBER