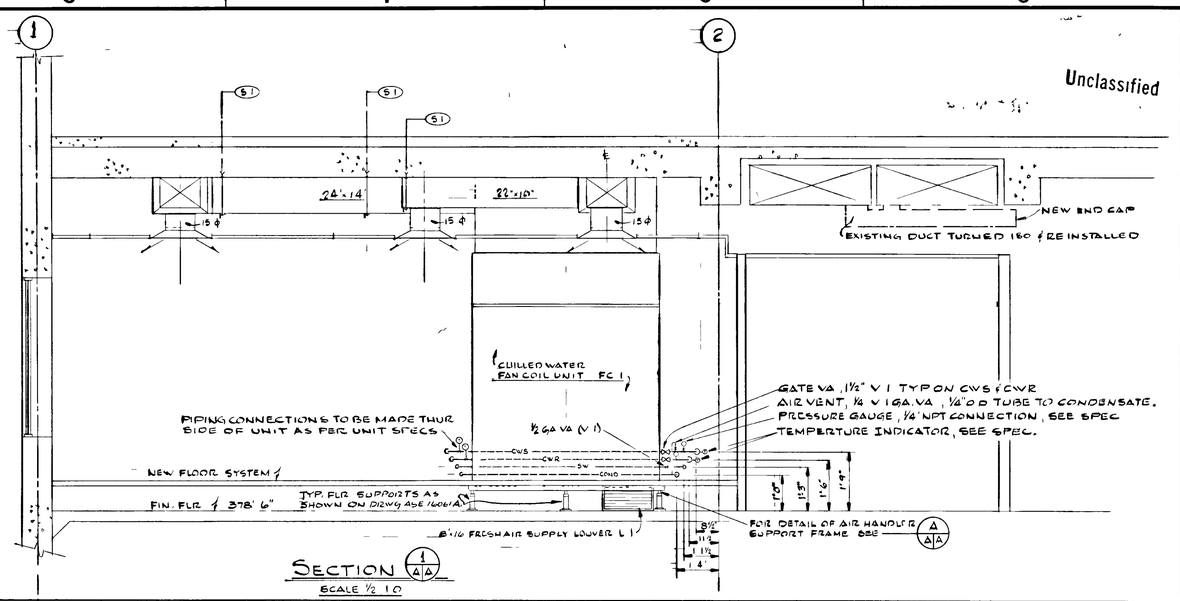
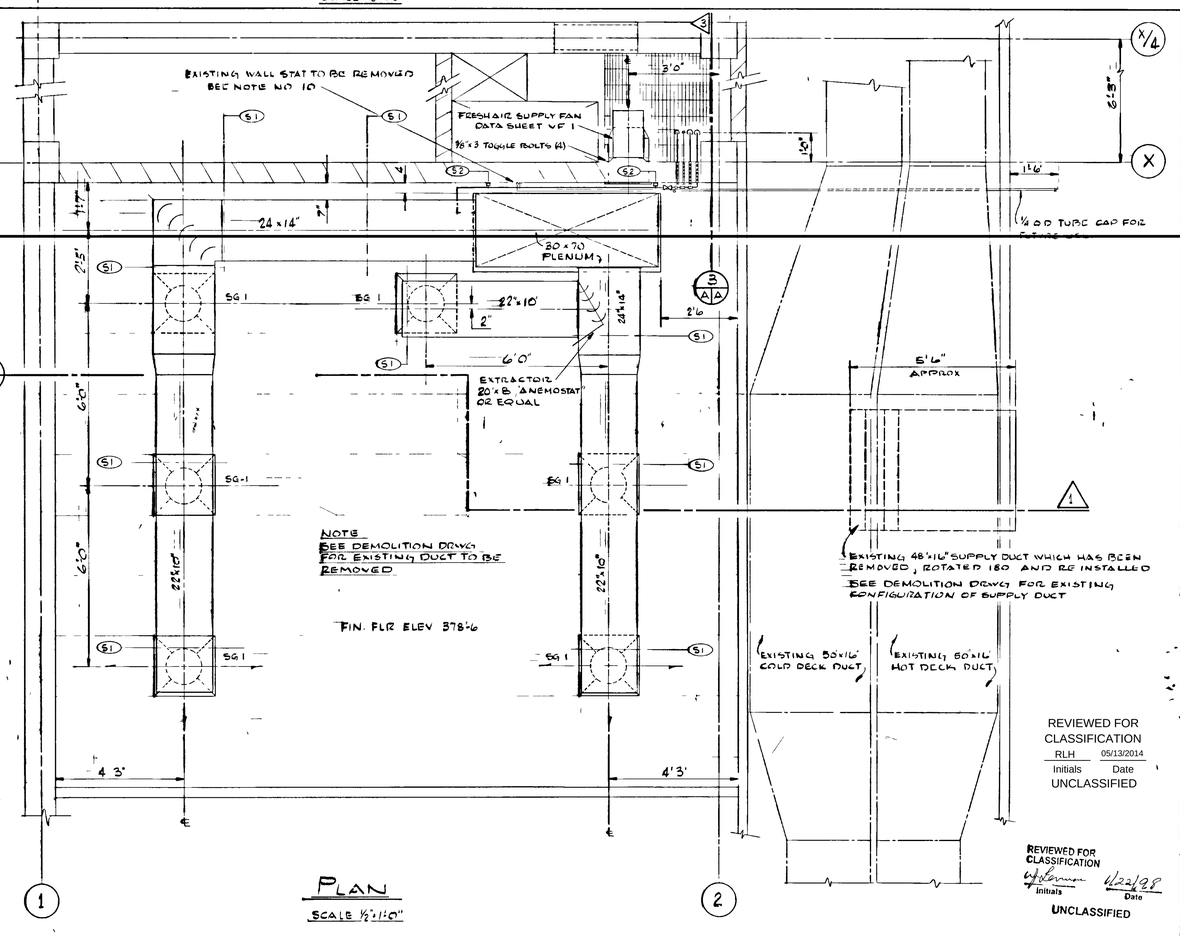
Unclassified



SECTION (1/A A)

SCALE ½ 1 0

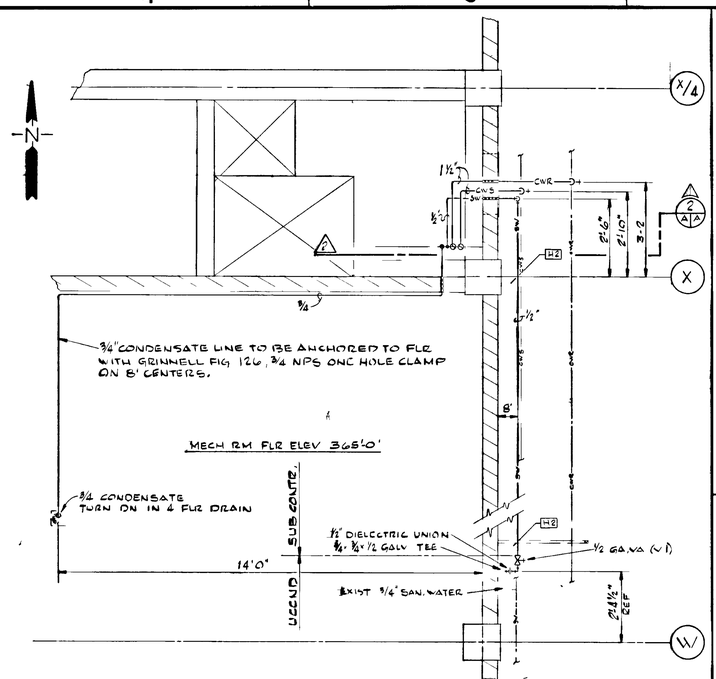


PLAN

SCALE ½"=1'0"

REVIEWED FOR CLASSIFICATION
RLH 05/13/2014
Initials Date
UNCLASSIFIED

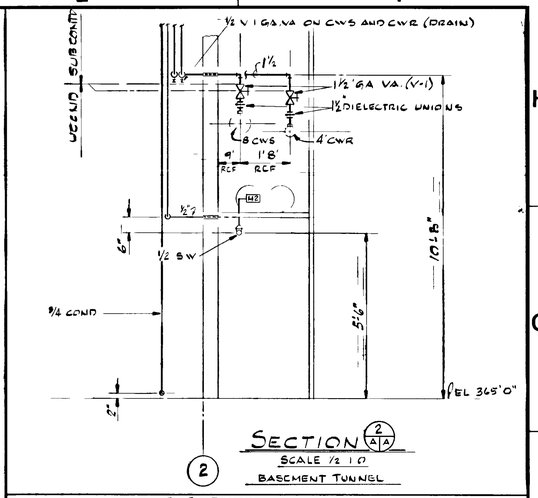
REVIEWED FOR CLASSIFICATION
Initials 4/22/98 Date
UNCLASSIFIED



PLAN

NORTHWEST MECH RM BASEMENT

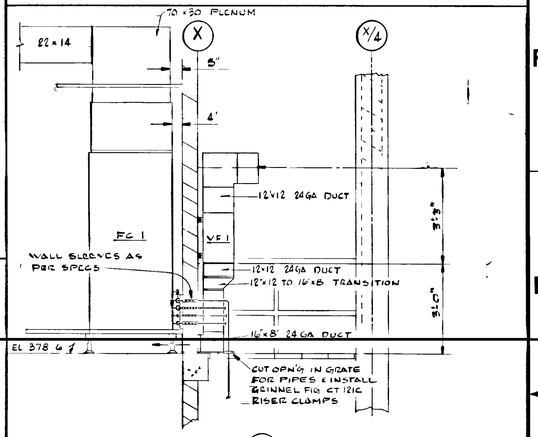
SCALE ½"=1'0"



SECTION (2/A A)

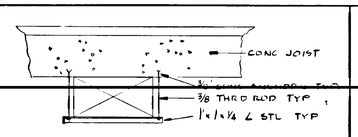
SCALE ½ 1 0

BASEMENT TUNNEL



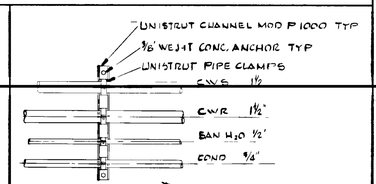
SECTION (3/A A)

SCALE ½ 1-0



SUPPORT DETAIL (S-1)

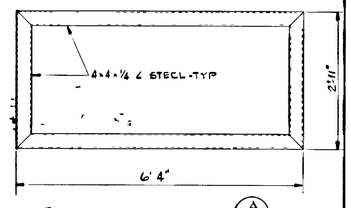
N.T.S



SUPPORT DETAIL (S2)

N.T.S

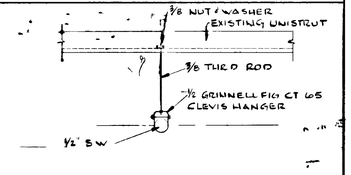
2 EACH REQ'D



SUPPORT DETAIL (A/A A)

N.T.S

ONE REQ'D



HANGER DETAIL (H2)

N.T.S

GENERAL NOTES

1 ALL WORK TO BE IN STRICT ACCORDANCE WITH THE SUB CONTRACT SPECS

2 ALL RECTANGULAR DUCT SHALL BE 24 GA. GALV. STEEL WITH STANDING "S" LOCK ON 4 FT CENTERS WITH PITTSBURGH LOCK SEAM, INTERNALLY INSULATED WITH 1" ACCOUSTICAL LINER AS PER SPEC.

3 30"x70" DISCHARGE PLENUM SHALL BE 22 GA GALV. STEEL, INTERNALLY INSULATED AS PER SPEC

4 EC-1, CHILLED WATER FAN COIL UNIT - "LIEBERT MODEL UD190C OR APPROVED EQUAL. UNIT SHALL INCLUDE SELF DIAGNOSING SOLID STATE TEMPERATURE AND HUMIDITY CONTROLS, PRECISION CONTROL READ-OUT, INFRA RED HUMIDIFIER WITH SELF CLEANING FLUSH CYCLE, 3-STAGE 15 KW FIN TUBULAR ELECTRIC REHEAT, 4" FILTERS WITH MINIMUM OF 60% EFFICIENCY BASED ON N.B.S. ATMOSPHERIC DUST SPOT TEST METHOD, STAINLESS STEEL CONDENSATE PAN, 3-WAY CHILL WATER FLOW CONTROL VALVE, FIRE STAT LOCKING DISCONNECT, MODE ALERT PANEL AND PAINTED DISCHARGE PANEL. UNIT SHALL OPERATE ON 208V, 3Ø - 60 HZ POWER SUPPLY FOR ADDITIONAL DATA SEE DATA SHEET DS-CEC 16061-1 UNIT SHALL OPERATE AT 4200 CFM @ .5" W.G STATIC PRESSURE.

5 SG-1, CEILING SUPPLY DIFFUSER SHALL BE ANEMOSTAT "EPL-15Q OR APPROVED EQUAL LAY IN PANEL TYPE, SIZE 24 x 24" WITH 15" ϕ NECK SEE DATA SHEET DS-CEC-16061-3

6 L-1, SUPPLY LOUVER SHALL BE 8'x16" "RUSKIN" ELF-375 OR APPROVED EQUAL, DS-CEC 16061-4

7 ALL DUCTWORK IS TO BE HELD TIGHT AGAINST CONC JOIST AND FLAT ON TOP

8 VF 1, FRESH AIR SUPPLY FAN SHALL BE "GREENHECK" MODEL SQD-7.5 E OR APPROVED EQUAL FAN SHALL HAVE CAPACITY OF 193 CFM @ .125" WG STATIC PRESSURE, .004 BHP, 1/60 HP MOTOR @ 1050 RPM SEE DATA SHEET DS CEC-16061-2.

9 SEE SUB CONTRACT SPECS. FOR PIPING SPECIFICATIONS.

10 DISCONNECT EXISTING WALL THERMOSTAT & EXTEND ½ OD TUBING ABOVE CEILING & ACROSS HALL AS SHOWN.

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SECTION NUMBER OR DETAIL LETTER

SHEET WHERE DETAIL OR SECTION IS CUT — SHEET WHERE DETAIL OR SECTION IS SHOWN

SECTION & DETAIL LEGEND

BY	DATE	SECT	REV	DESCRIPTION	BY	CHK	RED	SECT
MLB	11/17/83	AJH	0	C.F.C.	MLB			
			A	APPROVAL TITLE II	MLB	MLB	—	

AS BUILT — REVISION OR ISSUE PURPOSE — REVISION OR ISSUE APPROVALS — SQUAD CHECK

DEPT	DATE	PE	REQ	DATE	UCCND	DATE	DOE	DATE
						5/13		
						5/13		

QE	CCA	CEC	CEE	MD	CIE	MA	CP	SE	CE
									JL

TOLERANCES UNLESS OTHERWISE SPECIFIED
FRACTIONS ± XX DECIMALS ± XXX DECIMALS ± ANGLES ± BREAK SHARP EDGES MAX FINISH

A E — UCC ND — 7128 — DOE

DRAWING APPROVALS

		DATE
DES	M.W. Johnson	2-83
DRW	M.L. BOREN	1 83
CHK	J. D. ELLIOTT	2 83
SECT	A.J. Hollowell	2/15/83
DEPT & PLANT		
	W.W. Bunker-Jr	3/14/83
DIVISION	W.W. Bunker-Jr	3/14/83
REQUESTER	A. BALLARD	2-1483
FIRE / SECURITY	JRW	2-1483
SAFETY	RWR	28 83
IND HYGIENE	R. Gill	2-1483

UNION CARBIDE — **UNION CARBIDE CORPORATION • NUCLEAR DIVISION**
Operated for the DEPARTMENT OF ENERGY under U S GOVERNMENT contract No W7405 eng 26
Paducah, Kentucky

SUPPLEMENTAL AIR CONDITIONING

C-100 COMPUTER ROOM - PLAN & SECTIONS -

C-100 COMPUTER RM A/C

TYPE A

1	48	49	50	PLANT	BLDG	FL	SHT	OF	CLASS
3	P	A	W	PADP	C-100	1ST			U

SCALE: AS NOTED — ID: 16061 — MSE 16061 — A — REV: C