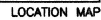


FRANKLIN AIR 04-3144 C/1



SHEET	TITLE
1	TITLE SHEET
2	QUANTITIES, PHASING NOTES, MISC DETAILS
3	CORRUPTION AND SAFETY NOTES
4	AWOS SITE PLAN
5	SITE LAYOUT PLAN
6	ELECTRICAL DETAILS
7	FOUNDATION LAYOUT PLAN
8	MAIN SENSOR SUITE FOUNDATION
9	10-METER WIND TOWER FOUNDATION
10	10-METER WIND TOWER WITH WIND SENSOR
11	CENTRAL DATA PROCESSING STATION
<u>VAOT STANDARD DRAWINGS</u>	
1	EROSION CONTROL DETAILS T-1
2	EROSION CONTROL DETAILS T-2
3	DRIVE GATE FOR WOVEN WIRE FENCE F-1
4	CHAIN LINK FENCE (TYPE I) F-2
5	CHAIN LINK FENCE (TYPE II) F-3
6	CHAIN LINK FENCE (TYPE III) F-4

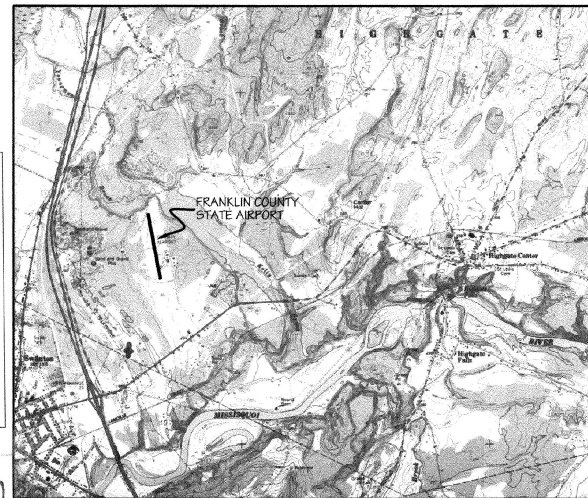
INDEX OF SHEETS

CONTRACTOR:	NECCO INC. WAITSFIELD, VT.
RESIDENT ENGINEER:	D. WARNER
CONSTRUCTION BEGAN:	
CONSTRUCTION COMPLETE:	NOVEMBER 5, 2001
RECORD PLANS BY:	R. RICHERT

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY
THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY Stephen M. Macer RESIDENT ENGINEER
DATE Feb 12, 2004

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found on microfilm in Central Files.



FRANKLIN COUNTY STATE AIRPORT LOCATION MAP

THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED IN ACCORDANCE WITH CURRENT
FAA STANDARDS IDENTIFIED IN F.A.R. PART 152.

DESIGN ENGINEER

5/7/0
DATE

DUFRESNE-HENRY, INC.

SUBMITTED BY Andrew H. Jones
SENIOR PROJECT MANAGER

DATE 5/7/01

VERMONT AGENCY OF TRANSPORTATION

APPROVED BY David C. Allen
DIRECTOR, MAINTENANCE & AVIATION DIVISION

DATE 5/17/01

BUILT AS DESIGNED

OFFICES:

OFFICES:

No. Springfield, Vermont	Newburgh, New York
Montpelier, Vermont	Powling, New York
St. Burlington, Vermont	Rochester, New York
William, Vermont	Saratoga Springs, New York
Claremont, New Hampshire	
Manchester, New Hampshire	
Portland, Maine	
Presque Isle, Maine	
Westford, Massachusetts	
Greenfield, Massachusetts	
Boston, Massachusetts	
Port Charlotte, Florida	
Sarasota, Florida	

ENGINEERING DISCIPLINES	
Civil	Wastew
Electrical	Water
Environmental	
Industrial	
Mechanical	
Solid Waste	
Structural	
Transportation	

ASSOCIATED DISCIPLINES
Construction Management
Site Assessments
Surveying
Wastewater Contract Operations

APPLIED SCIENCES
Geologic
Hydrologic
Water Quality

LANDSCAPE ARCHITECTURE
Public Involvement Strategies
Market & Fiscal Impact Analysis
Waterfront Master Planning
Urban Planning & Design
Harbor Management Planning
Local, State and Federal Permitting

DH
Dufresne-Henry

Saratoga Springs, NY 12866
Tel. (518) 587-3415 • FAX (518) 581-1284
<http://www.dufresne-henry.com>

[illegible]

FRANKLIN COUNTY STATE AIRPORT
AWOS INSTALLATION



Project No.	8190006
Proj. Manager	AHT
Proj. Designer	AHT
Drawn By	DNF
Checked By	MC
Scale	NTS
Approved	MC
Date	04-25-01

1

Sheet 1 of 11
AWOS 1

LEGEND	EXISTING
GROUND CONTOUR	---
AIRPORT PROPERTY	---
OBSTACLE FREE AREA (OFA)	---
TREE LINE	---
SECURITY FENCE	---
SWALE/DITCH	---
R/W END IDENTIFIER LIGHTS (DEEL)	---
WETLAND BOUNDARY	---
UNIMPROVED ROADWAYS	---
PAVEMENT	---

EXISTING	BUILDINGS
①	T-Hanger 10 Units
②	48' x 48' Hanger (Under Construction)
③	Hanger 3 Units Each
④	T-Hangers
⑤	GA Hanger
⑥	Hanger 3 Units
⑦	Hanger
⑧	Prestige Paint Shop Hanger
⑨	Storage Building
⑩	Terminal / Hanger
⑪	T-Hanger
⑫	T-Hangers
EXISTING	TERMINAL AREA PAVEMENT
⑬	Main Apron
⑭	Fuel Apron
⑮	South Apron
⑯	Auto Parking

AWOS TOWER
COORDINATES
NORTH 890379.76
EAST 1485135.50

AWOS TOWER
COORDINATES
NORTH 44°56'27.94919"
WEST 73°05'58.89799"

IRON ROD 1
3/8" IR
NORTH 890094.70
EAST 1485197.75
ELEV 227.38

IRON ROD 2
3/8" IR
NORTH 890484.32
EAST 1485128.36
ELEV 228.76

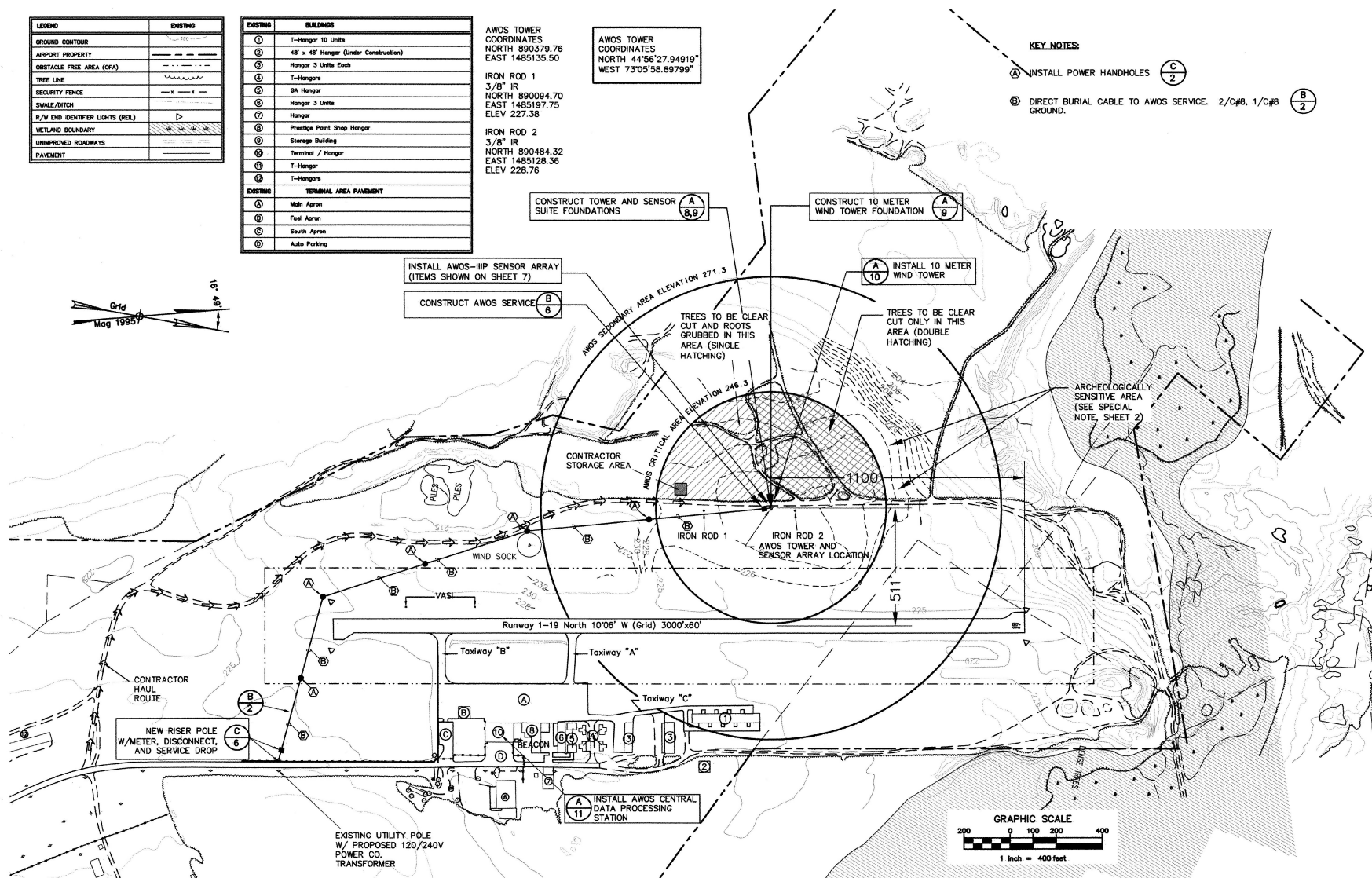
KEY NOTES:

① INSTALL POWER HANDHOLES

②

③ DIRECT BURIAL CABLE TO AWOS SERVICE. 2/C#8, 1/C#8

④



NOTES:

1. Horizontal Datum NAD 83 (1986) International Feet.
2. Vertical Datum NAVD 88 International Feet.
3. Existing easement & property lines based on "Airport Property Map" prepared for VAOT by Clough Harbour Associates March 1999.



Rev.	Description	By	Date

VERMONT

AWOS INSTALLATION
FRANKLIN COUNTY STATE AIRPORT
AWOS SITE PLAN

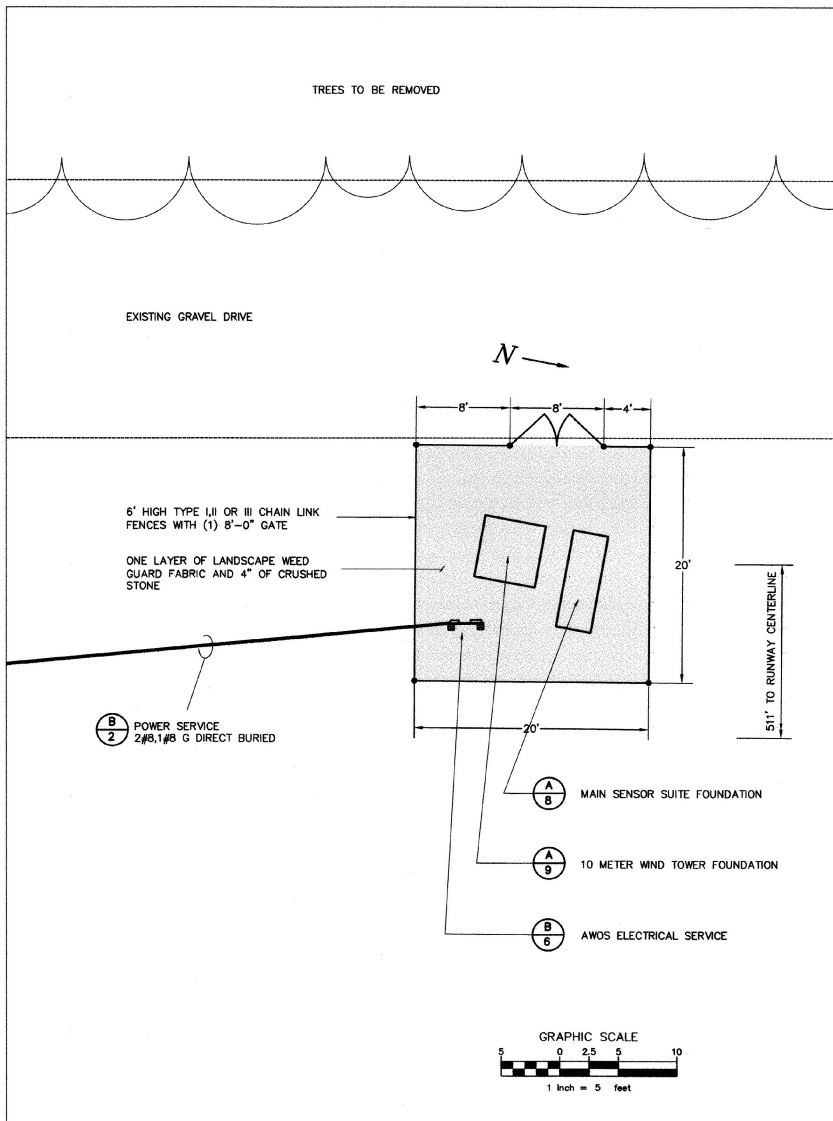
HIGHGATE



Project No.	610006
Proj. Manager	JMT
Proj. Engineer	JMT
Drawn By	JMT
Scale	AS SHOWN
Approved	JMT
Date	05-22-01

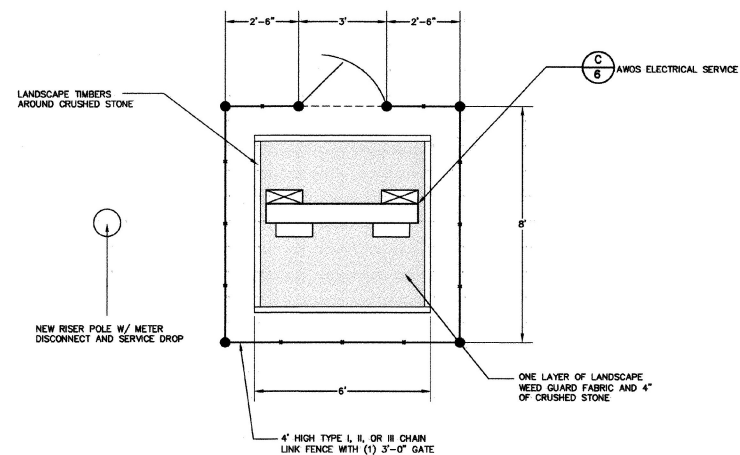
4

Sheet 4 of 11
D AWOS 4



A/5 AWOS TOWER AND SENSOR ARRAY LOCATION SITE LAYOUT DETAIL
SCALE = 1"=5'

AIRPORT ACCESS ROAD



B/5 AWOS SERVICE DROP SITE LAYOUT DETAIL
SCALE = 1"=2'



Rev.	Description	By	Date

VERMONT

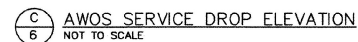
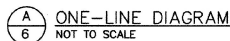
AWOS INSTALLATION
FRANKLIN AIR 04-3144 C1
FRANKLIN COUNTY STATE AIRPORT
SITE LAYOUT PLAN

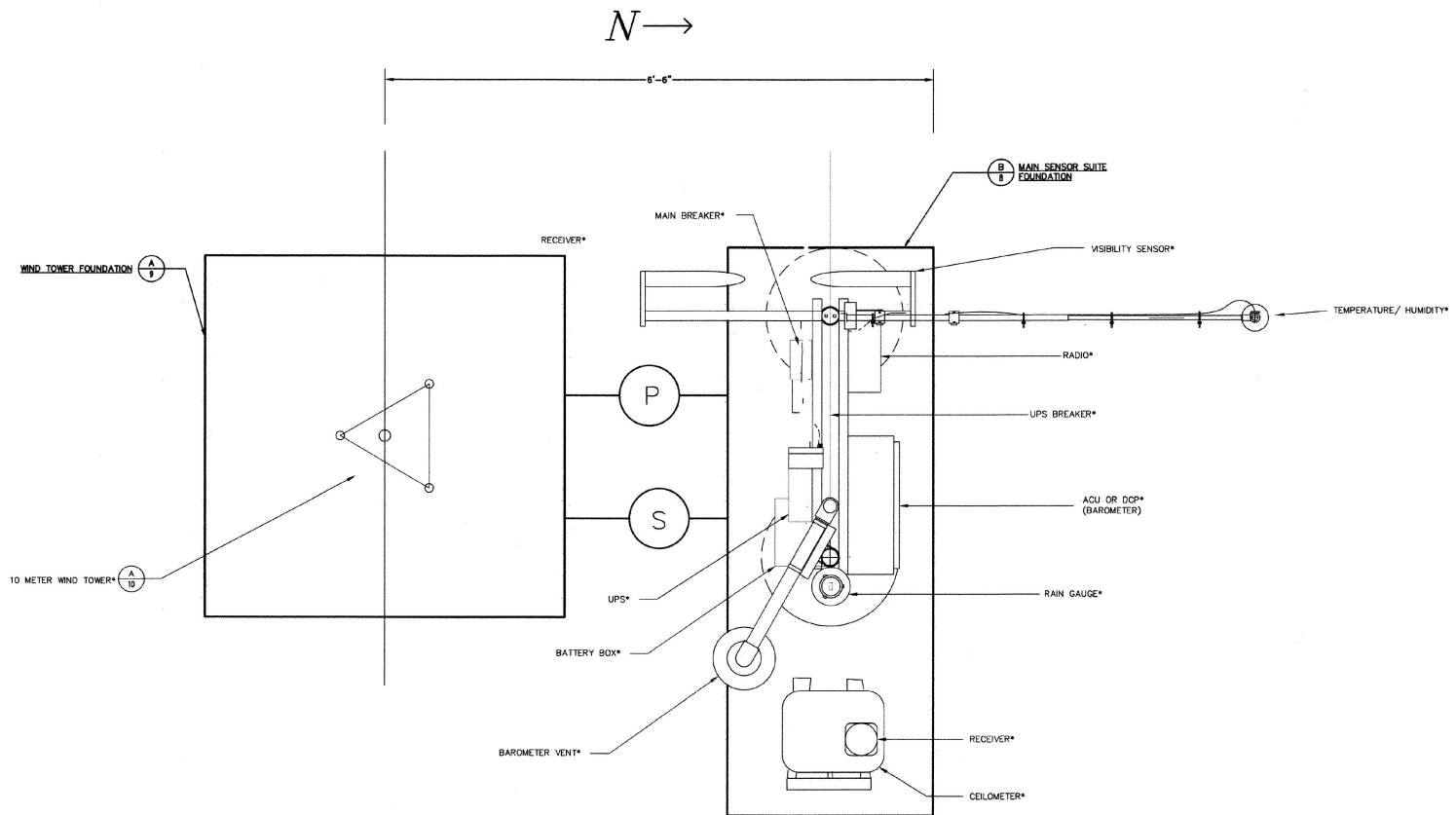
HIGHGATE



Project No.	615006
Proj. Manager	ANT
Proj. Designer	ANT
Drawn By	DM
Checked By	MS
Scale	N/A
Sheet	04-3144
Date	06-2-01

5





— (S) — SIGNAL CABLE RUN IN CONDUIT
 — (P) — POWER CABLE RUN IN CONDUIT

NOTE:
 ITEMS INDICATED THUS * ARE BEING PROVIDED BY VAISALA
 INC., ARTAS DIVISION UNDER A SEPARATE CONTRACT.

A 7 FOUNDATION LAYOUT PLAN
 NOT TO SCALE

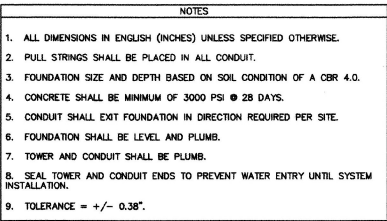
Rev	Description	By	Date

AWOS INSTALLATION
 FRANKLIN AIR 04-3144 G1
FRANKLIN COUNTY STATE AIRPORT
FOUNDATION LAYOUT PLAN

HIGHGATE
 VERMONT

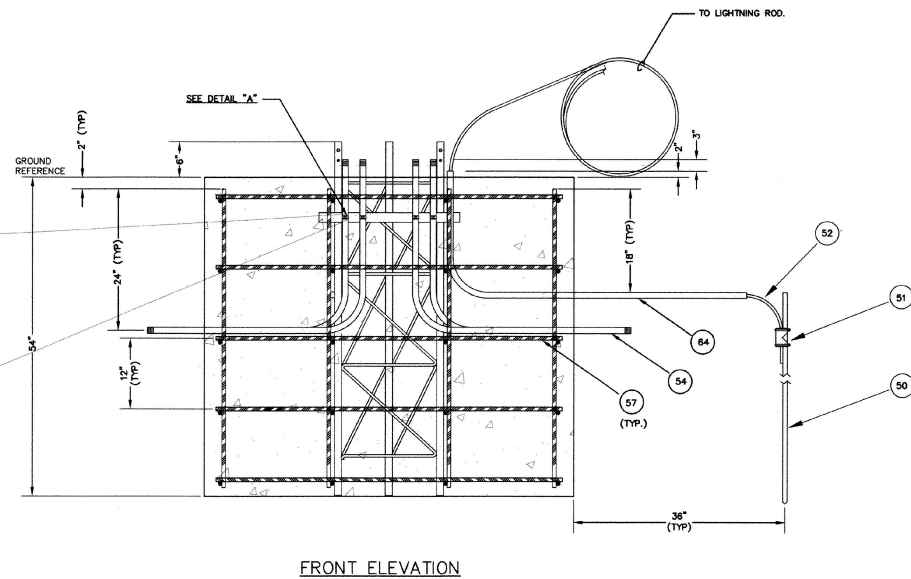


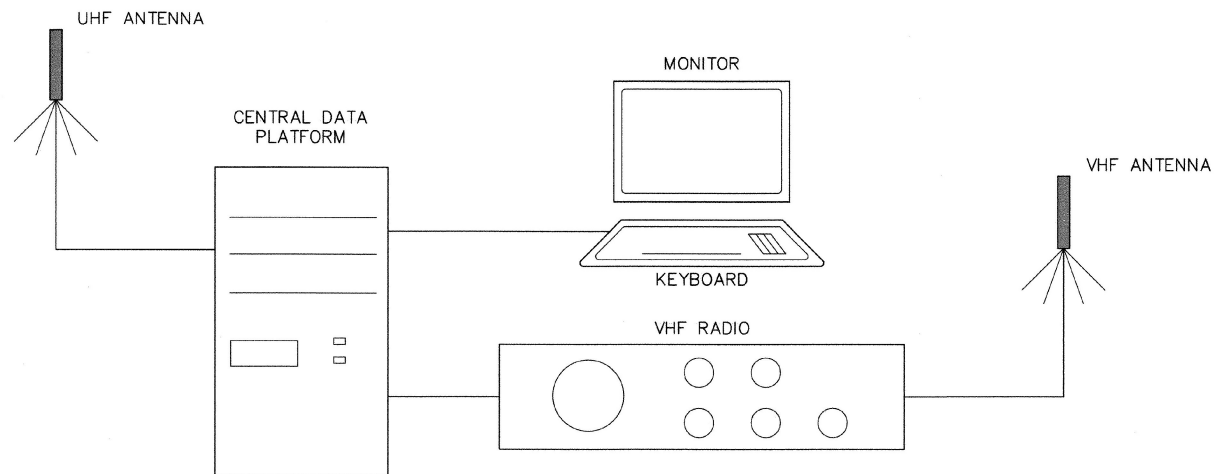
Project No.	618006
Proj. Manager	ANT
Proj. Designer	ANT
Checked By	DNF
Drawn By	ANT
Reviewed By	ANT
Approved	MC
Date	06-27-01



Items To Be Supplied by Contractor			
Item	Description	Recommended Manufacturer Name and Part Number	Quantity Required
50	Ground Rod, 3/4" DIA	Robbins #9710	2 EA
51	Ground Clamp	Robbins #98B	2 EA
52	Ground Wire, 2/0 Copper	Rohn #CW 2/0ST	40 FL
54	Rigid Galv. St. Conduit, 3/4" DIA	Allied #Rigid 3/4"	As Required
57	Reinforced Steel Bar 15M	Parker Steel International #4	258 FL
64	Nonmetallic Tubing 3/4"	Carflex #15107	10 FL

Items Supplied by Vaisala Inc., Artais Division				
Item	Part No.	Description	QTY	U/M
2	72-21957	Tower Base Short 5' (18")	1	EA
3	51-22371	Strut, 24" Cut	1	EA
13	45-21271	U-Bolt 1"x3.75" Overall Length SS	2	EA
14	45-21378	Clamp, Pipe 3/4 GRC and IMC	4	EA





NOTES:

- 1) THE UHF AND VHF ANTENNA ARE TO BE INSTALLED ON THE ROOF OF THE TERMINAL/HANGAR BUILDING (LOCATION @ SHEET 4). EXACT LOCATION TO BE ADVISED BY THE ENGINEER.
- 2) CENTRAL DATA PROCESSING STATION HARDWARE, INCLUDING CENTRAL DATA PLATFORM, VHF RADIO, KEYBOARD, MONITOR, ETC. WILL BE LOCATED IN THE ADMINISTRATIVE AREA OF THE TERMINAL/HANGAR BUILDING. EXACT LOCATIONS WILL BE ADVISED BY THE AIRPORT MANAGER TO SUIT HIS REQUIREMENTS.
- 3) ALL CENTRAL DATA PROCESSING STATION ITEMS, INCLUDING VHF AND UHF ANTENNAS, WILL BE SUPPLIED BY VAISALA, INC.

A
11

AWOS CENTRAL DATA PROCESSING STATION SYSTEM SCHEMATIC
NOT TO SCALE

Rev	Description	By	Date

AWOS INSTALLATION
FRANKLIN AIR 04-114-011

FRANKLIN COUNTY STATE AIRPORT
CENTRAL DATA PROCESSING STATION

VERMONT
HIGHGATE



Project No.	610006
Proj. Manager	AKT
Proj. Engineer	AKT
Checked By	AKT
Drawn By	AKT
Scale	N/A
Approved	AKT
Date	05-27-01

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