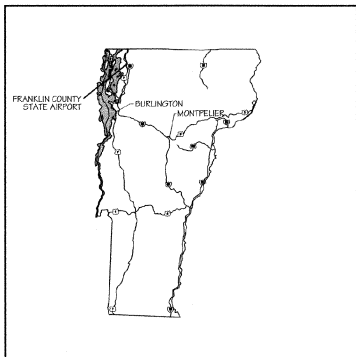


FRANKLIN COUNTY STATE AIRPORT HIGHGATE, VERMONT

PROPOSED IMPROVEMENTS TO INCLUDE INSTALLATION OF AUTOMATED WEATHER OBSERVATION STATIONS (AWOS)

FRANKLIN AIR 04-3144 C/1



LOCATION MAP

SHEET TITLE

- 1 TITLE SHEET
- 2 QUANTITIES, PHASING NOTES, MISC DETAILS
- 3 CONSTRUCTION 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 INSTALLATION
- 11 CENTRAL DATA PROCESSING STATION

VAOT STANDARD DRAWINGS

- 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

RECORD PLANS

CONTRACTOR: NECCO INC. WAITSFIELD, VT.

RESIDENT ENGINEER: D. WARNER

CONSTRUCTION BEGAN:

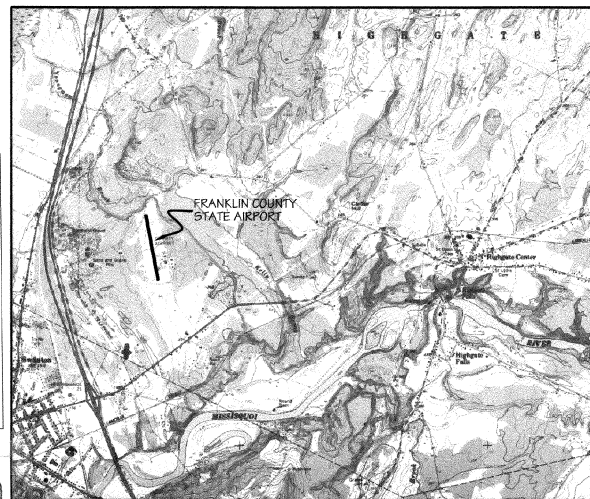
CONSTRUCTION COMPLETE: NOVEMBER 5, 2001

RECORD PLANS BY: R. RICHERT

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

[Signature] RESIDENT ENGINEER
DATE *5/17/01*

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

BUILT AS DESIGNED

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

DESIGN ENGINEER

DATE

DUFRESNE-HENRY, INC.

SUBMITTED BY *[Signature]* SENIOR PROJECT MANAGER

DATE *5/17/01*

VERMONT AGENCY OF TRANSPORTATION

APPROVED BY *[Signature]* DIRECTOR, MAINTENANCE & AVIATION DIVISION

DATE *5/17/01*

OFFICES:

No. Springfield, Vermont
Montpelier, Vermont
St. Burlington, Vermont
Wilmington, Vermont
Canton, New Hampshire
Manchester, New Hampshire
Prague, New Hampshire
Nashua, New Hampshire
Greenfield, Massachusetts
Boston, Massachusetts
Portland, Maine
Saratoga, Florida

ENGINEERING DISCIPLINES

Civil
Electrical
Environmental
Industrial
Mechanical
Solid Waste
Structural
Transportation

ASSOCIATED DISCIPLINES

Construction Management
Site Assessment
Surveying
Waterfall Contract Operations

APPLIED SCIENCES

Geologic
Hydrologic
Water Quality

LANDSCAPE ARCHITECTURE

Public Involvement Strategies
Market & Value Impact Analysis
Waterfront Master Planning
Urban Planning & Design
Hazard Management Planning
Local, State and Federal Permitting



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



Project No.	Project Name	Project Location	Project Date
010000	AWOS INSTALLATION	FRANKLIN AIR 04-3144 C/1	

AWOS INSTALLATION
FRANKLIN AIR 04-3144 C/1
FRANKLIN COUNTY STATE AIRPORT
AWOS INSTALLATION



Project No.	Project Name	Project Location	Project Date
010000	AWOS INSTALLATION	FRANKLIN AIR 04-3144 C/1	

Project No.	Project Name	Project Location	Project Date
010000	AWOS INSTALLATION	FRANKLIN AIR 04-3144 C/1	

QUANTITIES

EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN AND CONSTRUCTION SEQUENCE; AND SHALL HAVE THEM INSPECTED BY THE VERMONT DEPARTMENT OF TRANSPORTATION. ANY CHANGES TO THE CONSTRUCTION CONTROL, DESIGN OR LOCATION ADJUSTMENTS MAY BE MADE IN THE FIELD WITH THE APPROVAL OF THE ENGINEER. THE CONTRACTOR MUST OBTAIN PRIOR APPROVAL FOR CHANGES TO THE SEDIMENT CONTROL PLAN AND FOR ANY SEQUENCE OF CONSTRUCTION.
2. THE CONTRACTOR SHALL MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL SUCH AS MEASURES AS THEY ARE NO LONGER NEEDED.
3. THE CONTRACTOR SHALL APPLY SEED AND MULCH, OR OTHER APPROVED STABILIZATION MEASURES TO ALL DISTURBED AREAS AND STOCKPILES WITHIN FOURTY (40) HOURS OF FINAL DISTURBANCE.
4. THIS EROSION CONTROL PLAN SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS WITHIN THE CONSTRUCTION SITE. ALL MEASURES INVOLVING EROSION CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY EROSION OR SEDIMENT HANDLING FOR SOIL EROSION AND SEDIMENT CONTROL ON CONSTRUCTION SITES" AS PUBLISHED BY THE VERMONT GEOLOGICAL SURVEY.
5. DURING THE PERIOD OF CONSTRUCTION ACTIVITY, ALL EROSION MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR. AT THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE RESPONSIBILITIES, IF REQUIRED, TO THE VERMONT AGENCY OF TRANSPORTATION (VAOT).
6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE REMOVED AND DISPOSED OF WITHIN THIRTY (30) CALENDAR DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY PRACTICES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE STABILIZED TO PREVENT FURTHER EROSION.
7. EROSION CONTROL DEVICES REMOVED DURING GRADING OPERATIONS SHALL BE PUT BACK IN PLACE AT THE END OF THE DAY OR DURING INCLEMENT WEATHER AS DIRECTED BY THE ENGINEER.
8. IF APPLICABLE, STREAMS INCLUDING BEDS AND BANKS SHALL BE STABILIZED IMMEDIATELY AFTER CHANNEL WORK IS COMPLETED, INTERRUPTED, OR STOPPED.
9. NO SOIL, ROCK DEBRIS, OR ANY OTHER MATERIAL SHALL BE DUMPED OR PLACED INTO A WATER RESOURCE OR INTO SUCH PROXIMITY THAT IT MAY READILY SLOUGH, SLP, OR ERODE INTO A WATER RESOURCE UNLESS SUCH DUMPING OR PLACING IS AUTHORIZED BY THE ENGINEER AND, WHEN AUTHORIZED, SHALL BE IN ACCORDANCE WITH THE VERMONT DEPARTMENT OF TRANSPORTATION BUT NOT LIMITED TO, CONSTRUCTION OF BRIDGES, CULVERTS, AND EROSION CONTROL STRUCTURES.
10. PERMANENT SEEDING SHALL BE DONE BETWEEN APRIL 30 AND SEPTEMBER 15. IF SEEDING IS DONE AT OTHER TIMES, IT SHALL BE CLASSIFIED AS "TEMPORARY SEEDING". PERMANENT SEED SHALL BE ACCORDING TO THE SEEDING MATURE STATE IN THE SPECIFICATIONS. TEMPORARY AND PERMANENT SEEDING SHALL CONSIST OF FERTILIZING, WATERING AND SEEDING PLACED AT RATES IN ACCORDANCE WITH THE SPECIFICATIONS. PERMANENT SEEDING AND MULCHING SHALL BE PAID FOR BY THE CONTRACTOR. PERMANENT SEEDING SHALL BE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS. NO PAYMENT WILL BE MADE FOR TEMPORARY SEEDING OR MULCHING.
11. SURFACE DRAINAGE FLOWS OVER UNSTABILIZED CUT AND FILL SLOPES SHALL BE CONTROLLED BY THE CONTRACTOR BY THE USE OF EROSION CONTROL MATS OR BY INSTALLING PROTECTIVE DEVICES TO LOWER THE WATER DOWN THE SLOPE WITHOUT CAUSING EROSION. DIKES SHALL BE CONSTRUCTED TO PREVENT EROSION OF THE SLOPE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE AREA TO IT ARE FULLY STABILIZED, AT WHICH TIME THEY MUST BE REMOVED AND FINAL GRADING DONE TO PROMOTE SUFFICIENT FLOW DRAINAGE. PROTECTIVE METHODS MUST BE PROVIDED AT POINTS DRAINING INTO EXISTING STREAMS AND DRAINAGE DITCHES WITH THE APPROVAL OF THE ENGINEER.
12. ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS IN UNPAVED AREAS SHALL BE STABILIZED AND PROTECTED TO PREVENT TRACKING OF MUD ONTO PUBLIC OR PRIVATE ROADWAYS.
13. IF PUBLIC OR PRIVATE ROADWAYS DO ACCUMULATE DEBRIS, THE CONTRACTOR SHALL USE A POWER BLOWER TO REMOVE THE SEDIMENT TO THE SATISFACTION OF THE ENGINEER.
14. SALVAGED TOPSOIL WILL BE PLACED ON WELL DRAINLED LAND AWAY FROM STREAMS IN ACCORDANCE WITH APPROVED EROSION AND SEDIMENT CONTROL MEASURES. IT SHALL BE PLACED IN NEAT PILES. THE CONTRACTOR WILL PROVIDE AN ADEQUATE QUANTITY OF SALT FENCE TO CONTROL ACCESS TO THE PILES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE SALT FENCE. THE CONTRACTOR SHALL CONSTRUCT AN EARTH DIKE IN LIEU OF SALT FENCE.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST RISING FROM CONSTRUCTION OPERATIONS. DUST CONTROL, USING WATER, 609.10 WILL BE APPLIED WHENEVER DUST IS A PROBLEM OR WHEN

PHASING NOTES:

GENERAL

All work to be completed within Phase I, and II.

All work must comply with the requirements of FAA AC 150/5370-2C, Operational Safety During Construction. See General Construction and Safety Notes for additional information.

The contractor must submit a schedule to the Engineer prior to commencing work on the airport. This schedule is to be upgraded weekly. No work will be allowed outside the areas included in the approved schedule.

PHASE I

All work on Phase I to be completed with 45 calendar days of notice to proceed.

Runway 1-19 is to be opened at all times during the project except as required to install underground utilities. No work shall be allowed within the Runway 1-19 primary surface without authorization from the Engineer. Work within the Runway 1-19 primary surface will require that the runway be closed. At least 48 hours notice is required prior to closing the runway.

CONSTRUCTION INCLUDES:

Installation of underground utilities to provide 30A 120V/240V power for the AWOS, improve and expand existing farm road to the AWOS, clear and grub in areas shown and clear only in areas shown, construct concrete structures to support 30' AWOS wind sensor tower and AWOS components, install AWOS system and appurtenances, install AWOS data link from sensor site to terminal/hangar building using UHF radio link. Install central data platform and VHF antenna at terminal/hangar building.

PHASE II

All work on Phase II to be completed with 30 calendar days of notice to proceed.

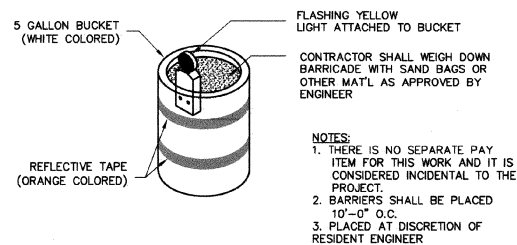
Runway 1-19 is to be opened at all times during the project. No work shall be allowed within the Runway 1-19 primary surface without authorization from the Engineer.

CONSTRUCTION INCLUDES:

Testing, calibration, and certification of the AWOS system

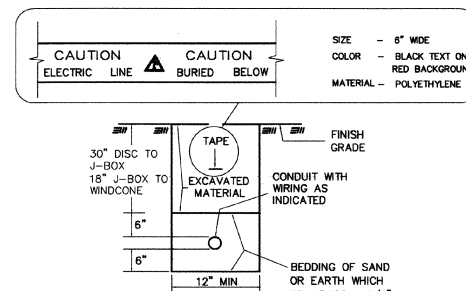
SPECIAL NOTE:

The Contractor's attention is drawn to the single and double hatched areas within the inner AWOS Critical Area depicted on Sheet 4. Prior to any earth disturbance, the contractor shall mark flag and fence the outer limit of the area to be cut and stumped (single hatching). No removal of stumps is to take place in the area which is double hatched; trees are to be clear cut only in this area. No clearing or any type of disturbance may occur immediately north of the double hatched area as this area is archeologically sensitive.



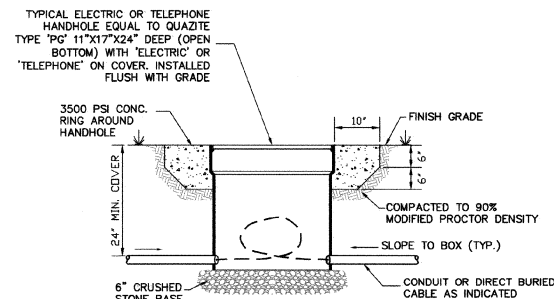
(A)
2

TYPICAL SAFETY BARRICADE
NOT TO SCALE



B
2

 TYPICAL CONDUIT TRENCH SECTION
 NOT TO SCALE

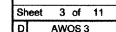



 TYPICAL HAND-HOLE DETAIL
 NOT TO SCALE

(B) RUNWAY PROTECTION ZONE (RPZ): A TRAPEZOIDAL AREA CENTERED ON THE RUNWAY BEGINNING AT A POINT 200 FEET BEYOND THE END OF THE AREA USEABLE FOR TAKEOFF OR LANDING.

(2) THE CONTRACTOR SHALL CONDUCT ACTIVITIES SO AS NOT TO VIOLATE ANY SAFETY STANDARDS CONTAINED HEREIN. THE CONTRACTOR SHALL INSPECT ALL CONSTRUCTION AND STORAGE AREAS AS OFTEN AS NECESSARY AND PROMPTLY TAKE ALL STEPS NECESSARY TO PREVENT/REMEDY ANY UNSAFE OR POTENTIALLY UNSAFE CONDITIONS OR ACTIVITIES DISCOVERED.

CVPS 1-800-649-2877



LEGEND	EXISTING
GROUND CONTOUR	--- 100 ---
AIRPORT PROPERTY	---
OBSTACLE FREE AREA (OFA)	---
TREE LINE	---
SECURITY FENCE	---
SWALE/DITCH	---
R/W END IDENTIFIER LIGHTS (NIEL)	---
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

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

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

KEY NOTES:

① INSTALL POWER HANDHOLES

②

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

④

CONSTRUCT TOWER AND SENSOR
SUITE FOUNDATIONS

⑤

CONSTRUCT 10 METER
WIND TOWER FOUNDATION

⑥

INSTALL AWOS-III SENSOR ARRAY
(ITEMS SHOWN ON SHEET 7)

⑦

CONSTRUCT AWOS SERVICE

⑧

INSTALL 10 METER
WIND TOWER

⑨

TREES TO BE CLEAR
CUT AND ROOTS
GRUBBED IN THIS
AREA (SINGLE
HATCHING)

TREES TO BE CLEAR
CUT ONLY IN THIS
AREA (DOUBLE
HATCHING)

ARCHEOLOGICALLY
SENSITIVE AREA
(SEE SPECIAL
NOTE SHEET 2)

CONTRACTOR
STORAGE AREA

⑩

IRON ROD 1

IRON ROD 2

AWOS TOWER AND
SENSOR ARRAY LOCATION

Runway 1-19 North 10°06' W (Grid) 3000'x60'

Taxiway "B"

Taxiway "A"

Taxiway "C"

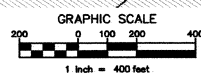
NEW RISER POLE
W/METER, DISCONNECT,
AND SERVICE DROP

⑪

EXISTING UTILITY POLE
W/ PROPOSED 120/240V
POWER CO.
TRANSFORMER

INSTALL AWOS CENTRAL
DATA PROCESSING
STATION

⑫



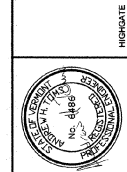
NOTES:

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

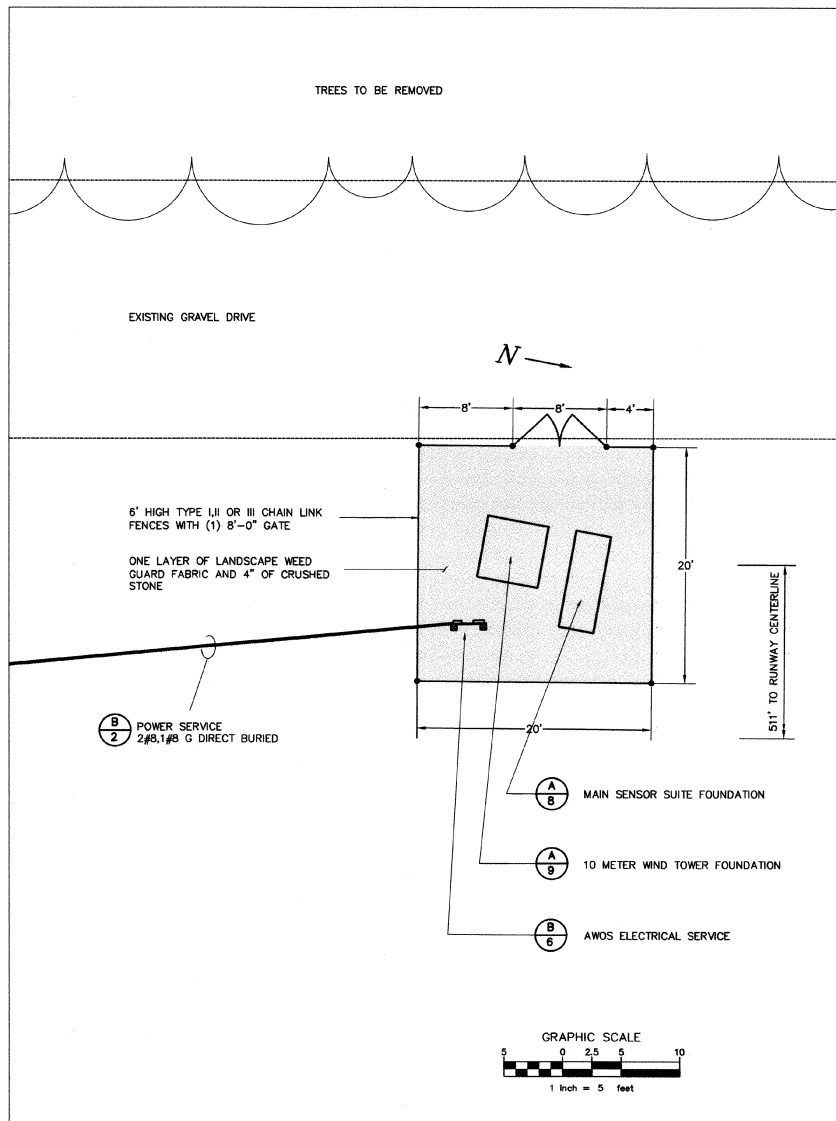


Project No.	Sheet	Date
610006	4	05/27/01

AWOS INSTALLATION
FRANKLIN AIR 040144 G1
FRANKLIN COUNTY STATE AIRPORT
AWOS SITE PLAN

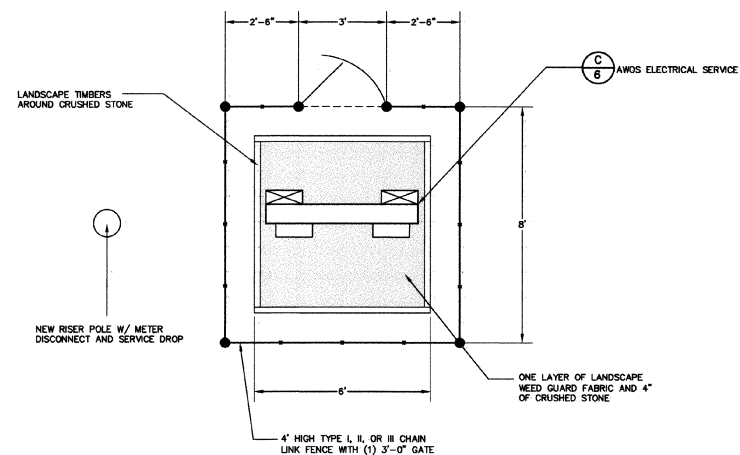


Project No.	610006
Proj. Manager	ANT
Design	ANT
Drawn By	WCF
Standard	AS SHOWN
Scale	AS SHOWN
Approved	MC
Date	05/27/01



(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

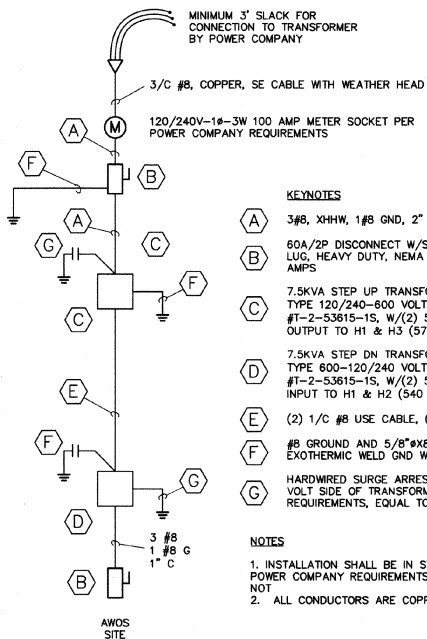
VERMONT

AWOS INSTALLATION
FRANKLIN AIR 04-3144 C11
FRANKLIN COUNTY STATE AIRPORT
SITE LAYOUT PLAN

HIGHGATE



Project No.	610006
Proj. Manager	ART
Proj. Designer	ART
Drawn By	DM
Checked By	MC
Reviewed	RTS
Date	06-2-01



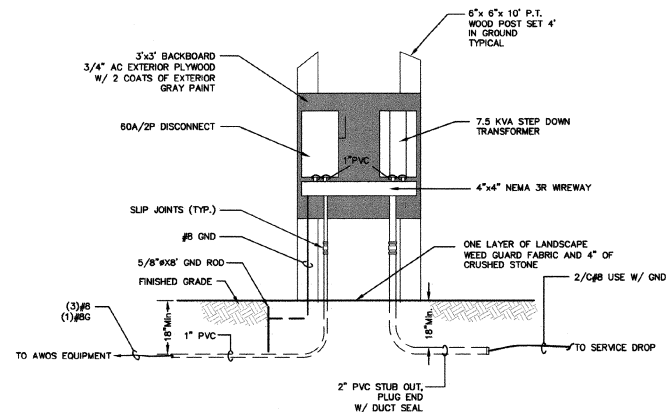
A
6 ONE-LINE DIAGRAM
NOT TO SCALE

KEYNOTES

- A** 3#8, XHHW, 1#8 GND, 2" PVC CONDUIT
- B** 60A/2P DISCONNECT W/SOLID NEUTRAL AND GROUND LUG, HEAVY DUTY, NEMA 3R ENCLOSURE, FUSED @ 40 AMPS
- C** 7.5KVA STEP UP TRANSFORMER ENCAPSULATED DRY TYPE 120/240-600 VOLTS. EQUAL TO ACME #T-2-S3615-1S, W/(2) 5% FCBN TAPS. CONNECT OUTPUT TO H1 & H3 (570 VOLTS), GROUND H1
- D** 7.5KVA STEP DN TRANSFORMER ENCAPSULATED DRY TYPE 600-120/240 VOLTS. EQUAL TO ACME #T-2-S3615-1S, W/(2) 5% FCBN TAPS. CONNECT INPUT TO H1 & H2 (540 VOLTS), GROUND H1
- E** (2) 1/C #8 USE CABLE, (1) #8 DIRECT BURIED
- F** #8 GROUND AND 5/8"x8" COPPER CLAD GND ROD. EXOTHERMIC WELD GND WIRE TO GND ROD
- G** HARDWIRED SURGE ARRESTER. CONNECT ON 600 VOLT SIDE OF TRANSFORMER PER MANUFACTURES REQUIREMENTS, EQUAL TO SQUARE D #SDSA 3650

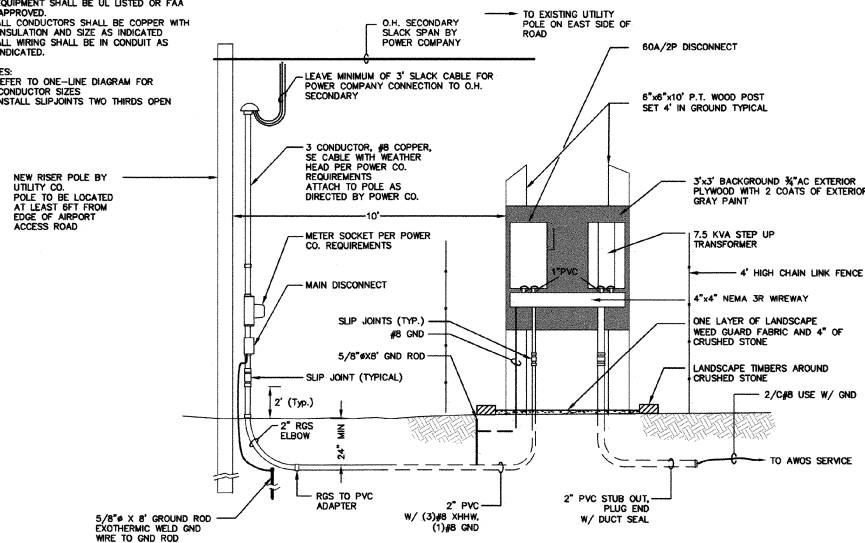
NOTES

1. INSTALLATION SHALL BE IN STRICT COMPLIANCE WITH POWER COMPANY REQUIREMENTS WHETHER INDICATED OR NOT
2. ALL CONDUCTORS ARE COPPER



B
6 AWOS SERVICE ELEVATION
NOT TO SCALE

- GENERAL NOTES:**
1. INSTALLATION SHALL BE PER 1999 NEC AND MANUFACTURES REQUIREMENTS.
 2. EQUIPMENT SHALL BE UL LISTED OR FAA APPROVED.
 3. ALL CONDUCTORS SHALL BE COPPER WITH INSULATION AND SIZE AS INDICATED
 4. ALL WIRING SHALL BE IN CONDUIT AS INDICATED.
- NOTES:**
1. REFER TO ONE-LINE DIAGRAM FOR CONDUCTOR SIZES
 2. INSTALL SLIPJOINTS TWO THIRDS OPEN

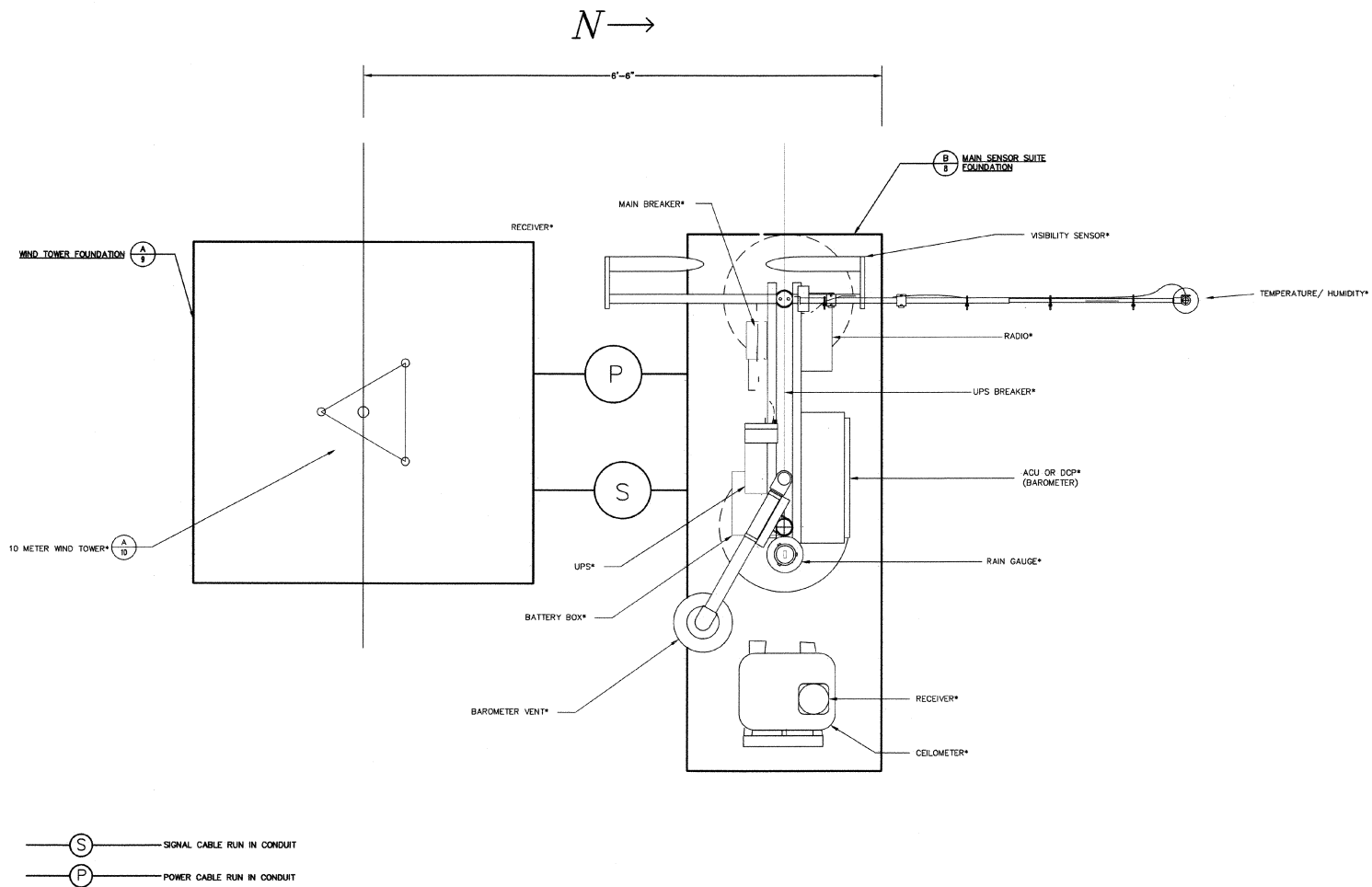


C
6 AWOS SERVICE DROP ELEVATION
NOT TO SCALE

Rev.	Description	By	Date



Project No.	010006
Design Manager	AWT
Design Engineer	AWT
Checked By	AWT
Scale	N/A
Notes	
Approved	
Date	04-07-01



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

(A-7) FOUNDATION LAYOUT PLAN
NOT TO SCALE

Rev	Description	By	Date

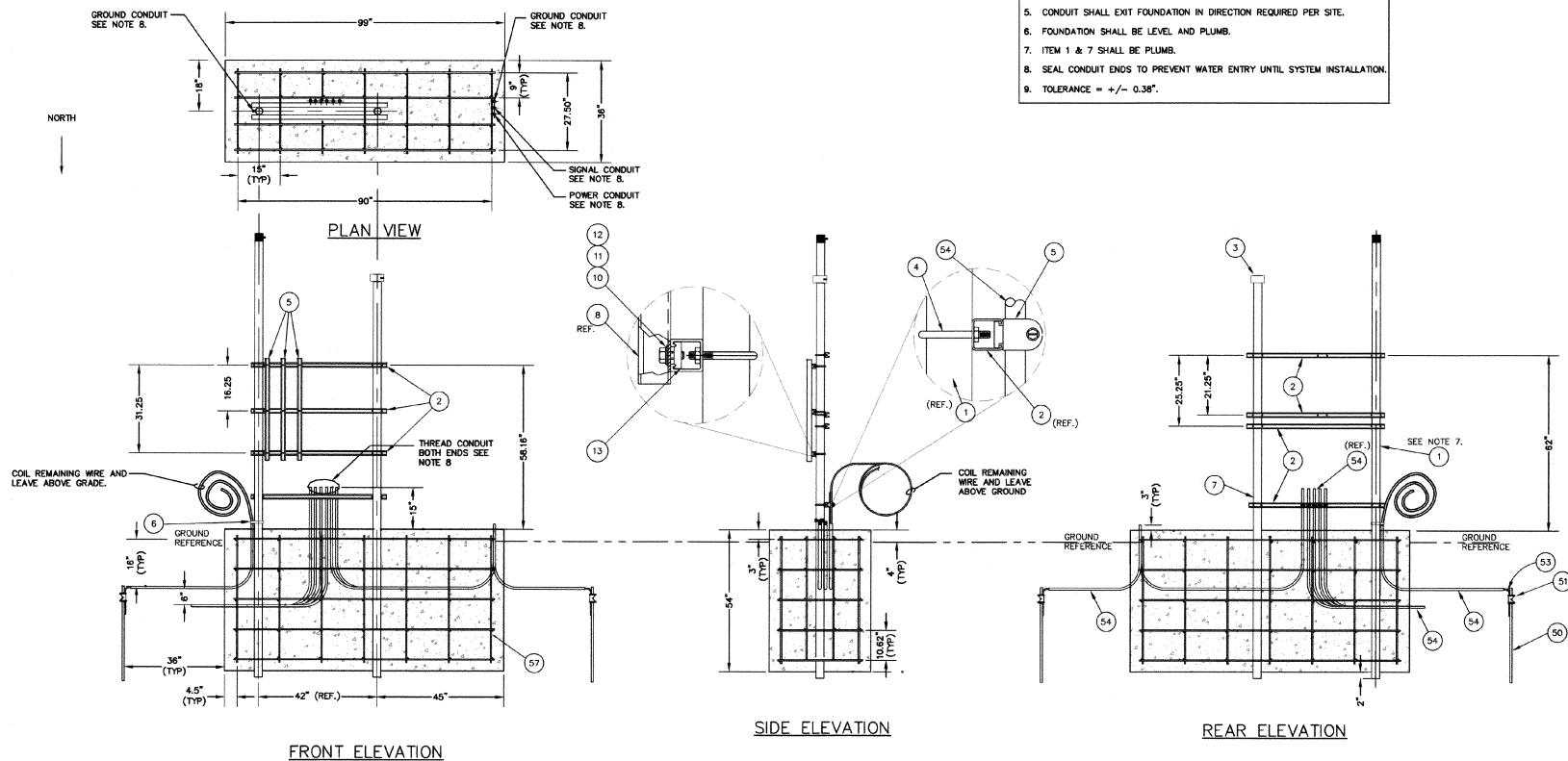


Project No.	819006
Eng. Manager	ANT
Eng. Designer	ANT
Drawn By	DMF
Checked By	DMF
Reviewed By	DMF
Approved	MC
Date	05-27-01

Items To Be Supplied by Contractor		
Item	Description	Quantity Required
50	Ground Rod, 3/4" DIA	2 EA
51	Ground Clamp	2 EA
53	Ground Wire, ZAWG Copper	20 Ft.
54	Rigid Galv. St. Conduit, 3/4" DIA	As Required
57	Reinforced Steel Bar 15M	254 Ft.

Items Supplied by Valsala Inc., Artals Division			
Item	Number	REV	Description
1	39-22893	0	Pipe 2.5x1.56 T.O.E. White
2	51-22892	1	Strut 48" White
3	39-22885	0	Cap, Pipe 2 1/2" Sch 40 White
4	45-22883	0	Clamp, U-Bolt 2 1/2" W/O Strap
5	45-21378	0	Clamp, Pipe 3/4 GRC and IMC
6	45-21280	0	Clamp, Ground 2-4 DIA Aluminum
7	39-22894	0	Pipe 2.5x1.42 T.O.E. White
8	70-22297	0	Strut 36" Painted
10	45-21041	0	Bolt, Hex 3/8-16x1 SS
11	42-21063	0	Washer, Lock Split 3/8 SS
12	45-21059	0	Washer, Flat 3/8 SS
13	45-21663	0	Nut, Top Grip W/ Spring 3/8-16 Galv.

FOUNDATION TO BE ORIENTATED AS SHOWN, DUE TO THE VISIBILITY SENSOR, THE SUN MAY NOT SHINE DIRECTLY INTO THE RECEIVER OPTICS.



- NOTES
1. ALL DIMENSIONS IN ENGLISH (INCHES) UNLESS SPECIFIED OTHERWISE.
 2. PULL STRINGS SHALL BE PLACED IN ALL CONDUIT.
 3. FOUNDATION SIZE AND DEPTH BASED ON SOIL CONDITION OF A CBR 4.0.
 4. CONCRETE SHALL BE MINIMUM OF 3000 PSI @ 28 DAYS.
 5. CONDUIT SHALL EXIT FOUNDATION IN DIRECTION REQUIRED PER SITE.
 6. FOUNDATION SHALL BE LEVEL AND PLUMB.
 7. ITEM 1 & 7 SHALL BE PLUMB.
 8. SEAL CONDUIT ENDS TO PREVENT WATER ENTRY UNTIL SYSTEM INSTALLATION.
 9. TOLERANCE = +/- 0.38\".

A
8 MAIN SENSOR SUITE FOUNDATION
NOT TO SCALE



Rev	Description	By	Date

VERMONT

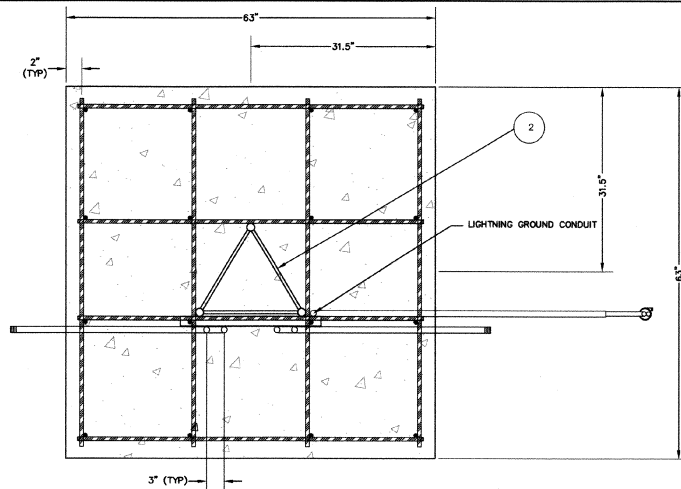
AWOS INSTALLATION
FRANKLIN AIR-PA-3144 C1
FRANKLIN COUNTY STATE AIRPORT
MAIN SENSOR SUITE FOUNDATION

HIGHGATE



Project No.	610006
Drawn By	AWT
Check By	AWT
Design By	AWT
Scale	1/8" = 1'-0"
Sheet	8 of 11
Date	03/24/21

NORTH

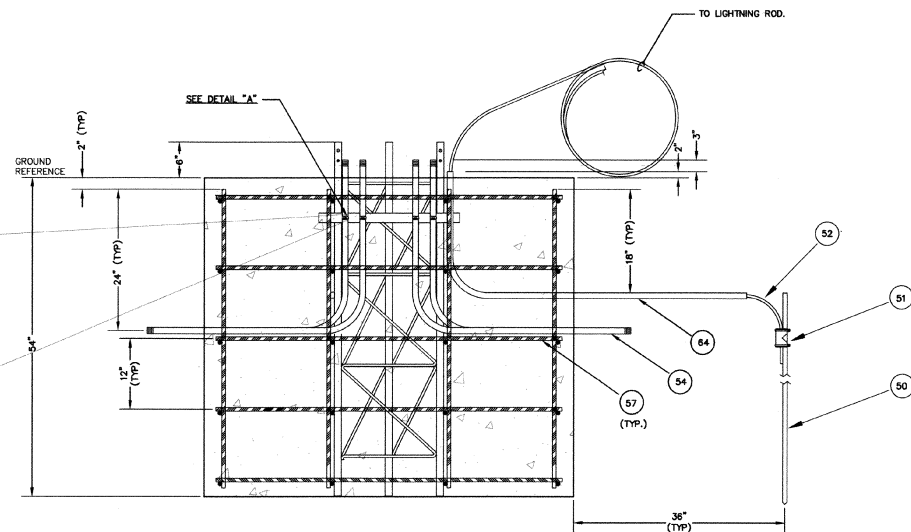


PLAN VIEW

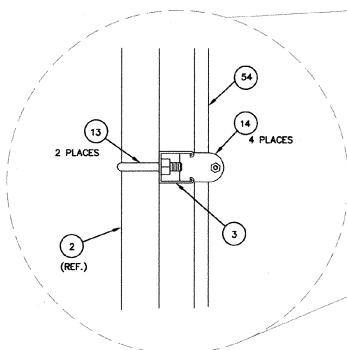
- NOTES
1. ALL DIMENSIONS IN ENGLISH (INCHES) UNLESS SPECIFIED OTHERWISE.
 2. PULL STRINGS SHALL BE PLACED IN ALL CONDUIT.
 3. FOUNDATION SIZE AND DEPTH BASED ON SOIL CONDITION OF A CBR 4.0.
 4. CONCRETE SHALL BE MINIMUM OF 3000 PSI @ 28 DAYS.
 5. CONDUIT SHALL EXIT FOUNDATION IN DIRECTION REQUIRED PER SITE.
 6. FOUNDATION SHALL BE LEVEL AND PLUMB.
 7. TOWER AND CONDUIT SHALL BE PLUMB.
 8. SEAL TOWER AND CONDUIT ENDS TO PREVENT WATER ENTRY UNTIL SYSTEM INSTALLATION.
 9. TOLERANCE = ± 0.38 .

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 #918	2 EA
52	Ground Wire, 2/0 Copper	Robn #COW 2/0ST	40 Ft
54	Rigid Galv. St. Conduit, 3/4" DIA	Allied #RIGID 3/4"	As Required
57	Reinforced Steel Bar 15M	Parker Steel International #4	258 Ft
64	Nonmetallic Tubing 3/4"	Carlflex #15107	10 Ft

Items Supplied by Velsala Inc., Artals 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



FRONT ELEVATION



DETAIL "A"

10 METER WIND TOWER FOUNDATION
NOT TO SCALE

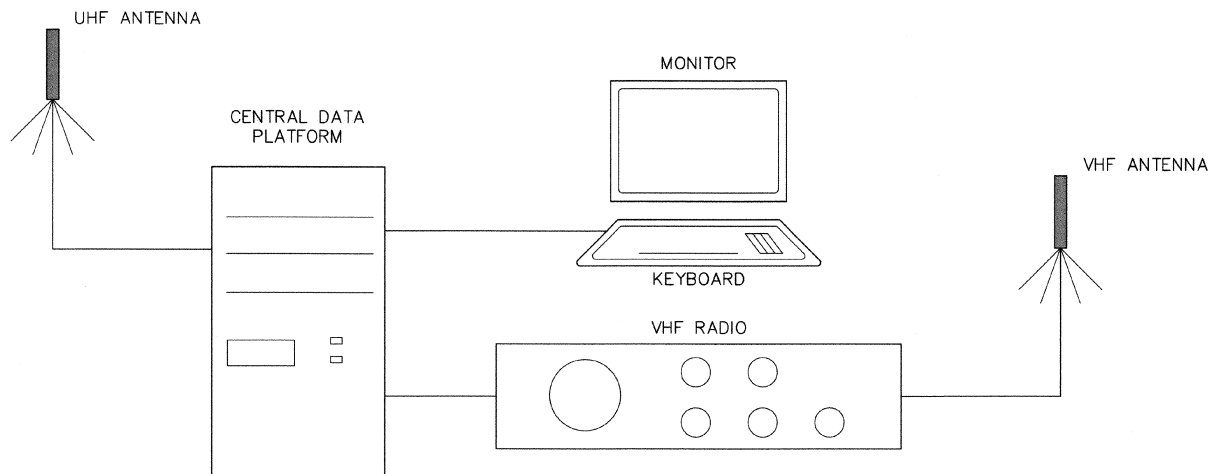


AWOS INSTALLATION
FRANKLIN AIR 04-3144 C1
FRANKLIN COUNTY STATE AIRPORT
10-METER WIND TOWER FOUNDATION



Project No.	B10006
Proj. Manager	ART
Proj. Designer	ART
Checked By	CMR
Drawn By	MC
Reviewed By	MC
Approved	MC
Date	06-01-09

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NOTES:

- 1) THE UHF AND VHF ANTENNA ARE TO BE INSTALLED ON THE ROOF OF THE TERMINAL/HANGAR BUILDING (LOCATION (9) 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.

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AWOS CENTRAL DATA PROCESSING STATION SYSTEM SCHEMATIC
NOT TO SCALE

Rev	Description	By	Date

AWOS INSTALLATION
FRANKLIN AIR 04-014-01
FRANKLIN COUNTY STATE AIRPORT
CENTRAL DATA PROCESSING STATION
VERMONT
HIGHGATE



Project No.	010006
Proj. Manager	ANT
Proj. Engineer	ANT
Checked By	MC
Station	NYS
Approved	MC
Date	05-27-01

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