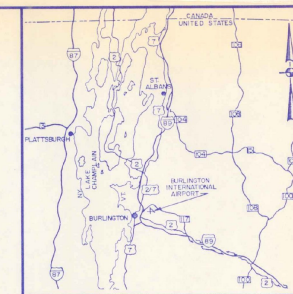


VICINITY MAP

 FEET 2000 4000 6000
 SCALE: 1" = 2000'


LOCATION MAP

 MILES 0 10 20
 SCALE: 1" = 10 MILES (APPROX.)

CITY OF BURLINGTON VERMONT

BURLINGTON INTERNATIONAL AIRPORT

INSTALL EMERGENCY GENERATOR

AIP PROJECT NO. 3-50-0005-13

AIR 03-2068 ~~7~~

JUNE 1988

MAJOR ITEM QUANTITIES

ITEM NO.	DESCRIPTION	UNIT
3-1	UNDERGROUND FUEL OIL STORAGE TANK	LUMP SUM
7-1	INSTALL DIESEL ENGINE/GENERATOR	LUMP SUM

INDEX TO DRAWINGS

DWG. NO.	TITLE	SHT. NO.
1	TITLE SHEET	1 OF 7
2	GENERAL PLAN	2 OF 7
3	FUEL TANK INSTALLATION AND MISC. DETAILS	3 OF 7
4	VENTILATION, PIPING AND DETAILS	4 OF 7
5	DEMOLITION PLAN - LUG. AND RECP. PLAN	5 OF 7
6	POWER PLAN	6 OF 7
7	ONE LINES AND ELEMENTARIES	7 OF 7

DISCLOSURE STATEMENTS REGARDING COMPLIANCE

These plans and specifications have been prepared to the best of my knowledge and belief, in accordance with current FAA Advisory Circulars as listed in AC 09-222, Chapter 1, Advisory Circulars, Chapter 1, dated 05/01/87. Some deviations from the FAA standards were approved by FAA letter dated [redacted] and are disclosed in the project engineering meeting minutes dated [redacted] project documents.

HOYLE, TANNER & ASSOCIATES, INC.

BY: [Signature] DATE: 6/8

Registration No. [redacted]

CITY OF BURLINGTON, VERMONT

VERMONT AGENCY OF TRANSPORTATION

 U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL AVIATION ADMINISTRATION
 NEW ENGLAND REGION

 APPROVED _____
 DIRECTOR OF AVIATION
 DATE _____
 APPROVED _____
 DATE _____
 APPROVED _____
 DATE _____

 APPROVED _____
 SECRETARY OF TRANSPORTATION
 DATE _____
 APPROVED _____
 DIRECTOR OF ENGINEERING & CONSTRUCTION
 DATE _____

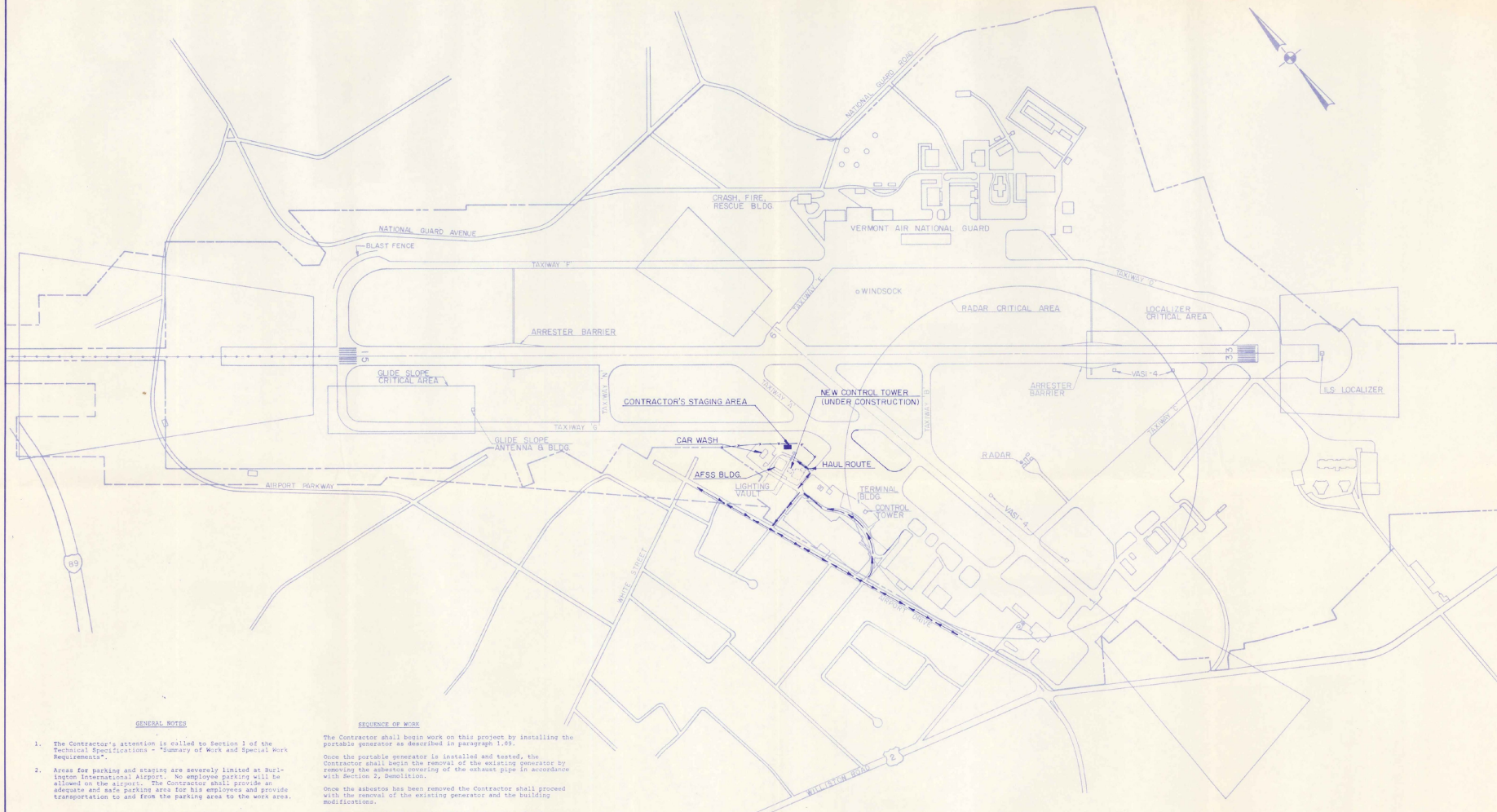
 APPROVED _____
 MANAGER OF AIRPORT ENGINEERING & SAFETY BRANCH
 DATE _____
 APPROVAL SUBJECT TO COMMENTS AND RECOMMENDATIONS
 IN LETTERS.
 DATED _____

REV.		DESCRIPTION		DES. BY	CHKD. BY	REV'D. BY	DATE
CITY OF BURLINGTON, VERMONT BURLINGTON INTERNATIONAL AIRPORT INSTALL EMERGENCY GENERATOR TITLE SHEET							
HTA Hoyle, Tanner & Associates, Inc. engineers/architects/planners/surveyors 5 COMMERCE PARK NORTH BEDFORD, NH							
in association with: ABR Alonzo B. Reed, Inc. architects/engineers/planners 12 FARNSWORTH ST. BOSTON, MA							
SCALE: AS SHOWN		PROJECT NO.		DRAWING NO.			
DATE: JUNE 1988		37717		1			
DES. BY	CHKD. BY	CHKD. BY	SHEET OF				
JBD	CBB	JBD	1 7				

AIP NO. 3-50-0005-13

DO NOT SCALE DRAWING

 AIP 3-50-0005-13
 AIR 03-2068
 1988



GENERAL NOTES

1. The Contractor's attention is called to Section 1 of the Technical Specifications - "Summary of Work and Special Work Requirements".
2. Areas for parking and staging are severely limited at Burlington International Airport. No employee parking will be allowed on the airport. The Contractor shall provide adequate and safe parking area for his employees and provide transportation to and from the parking area to the work area.

MAINTENANCE OF THE EXISTING AIRFIELD LIGHTING

All existing lighting systems on the airport facilities which are open to aircraft, shall be operational each night and during inclement weather throughout the construction period.

It shall be the responsibility of the Contractor to check the operation of the existing lights each day, to notify the Engineer and the Operations Coordinator of any problem and make any repairs necessary due to his operations.

The Contractor shall furnish, install, and maintain a 50 KW, 120/240 VPH, portable engine generator and connect this generator to the existing transfer switch to automatically provide power to the airfield lighting systems in case of the loss of commercial power.

It shall be the Contractor's responsibility to check the operation of the generator each day to insure that generator will operate the airfield lighting in an emergency.

The portable generator shall be installed prior to any work on the existing generator and shall remain in place until the new generator is installed, tested, and accepted. The Contractor shall furnish and install all materials necessary to install the temporary generator and make any temporary connections to keep the existing airfield lighting operational until the new generator is installed, tested and accepted.

SEQUENCE OF WORK

The Contractor shall begin work on this project by installing the portable generator as described in paragraph 1.01.

Once the portable generator is installed and tested, the Contractor shall begin the removal of the existing generator by removing the asbestos covering of the exhaust pipe in accordance with Section 2, Demolition.

Once the asbestos has been removed the Contractor shall proceed with the removal of the existing generator and the building modifications.

The Contractor shall remove the existing above ground and underground fuel tanks in accordance with Section 2, Demolition. The new underground fuel tank will be installed in approximate the same location as the existing underground tank.

The Contractor shall conduct his operations in such a manner as to maintain access at all times to the rental car parking lots and car wash which are adjacent to the lighting vault.

SMULTANEOUS CONSTRUCTION

The Contractor is hereby notified that contractor(s) for the Federal Aviation Administration will be constructing a new Air Traffic Control Tower adjacent to the Automated Flight Services Station and Contractor(s) for Burlington International Airport will be constructing the north end of the Terminal. Both Contractors on both projects will be working in and around the lighting vault.

DISPOSAL AREA

No disposal of materials from this project will be permitted on airport property.

The Contractor shall legally dispose of all materials off airport property in all accordance with Section 2, Demolition.

ENGINEER/ARCHITECT

PROJECT NO
37717

Hoyle, Tanner & Associates, Inc.
INCORPORATED
100 NORTH AVENUE
BURLINGTON, VERMONT 05401
TELEPHONE (802) 863-1111
FAX (802) 863-1112
ALONZO B. REED, INC.
A ASSOCIATION WITH
27 FARMINGTON ST. BURLINGTON, VT 05401

BURLINGTON INTERNATIONAL AIRPORT
SOUTH BURLINGTON, VERMONT

INSTALL EMERGENCY GENERATOR
GENERAL PLAN

DRAWING NO.

2

SHEET 2 OF 7

SCALE T=400
DATE JUNE, 1988
DO NOT SCALE DRAWING

CHD BY
JBD

CHK BY
JBD

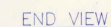
DES BY
JBD

REV

DESCRIPTION

BY

DATE



UNDERGROUND FUEL OIL TANK DETAILS

- | | |
|-------|------------------------|
| —FOS— | FUEL OIL SUPPLY |
| —FOR— | FUEL OIL RETURN |
| —F— | FILL PIPE |
| —V— | VENT PIPE |
| —TG— | TANK GAUGE LINE |
| —HM— | HYDROSTATIC MONITORING |

[illegible]PROJECT NO.
37717

HTA
Companies
engineers
architects
planners
surveyors

Hoyle, Tanner & Associates, Inc.
Five Commerce Park North • Bedford NH 03102 • (603) 669-5555

Q. BY
GF

CH	D
----	---

DR. BY
WLD

1	2
3	4

DES 8 JDR

88

E, 191

JUN

DATE _____

HOW

AS SH

SCALE:

5

...S...URAL

TAIL STRUCTURE

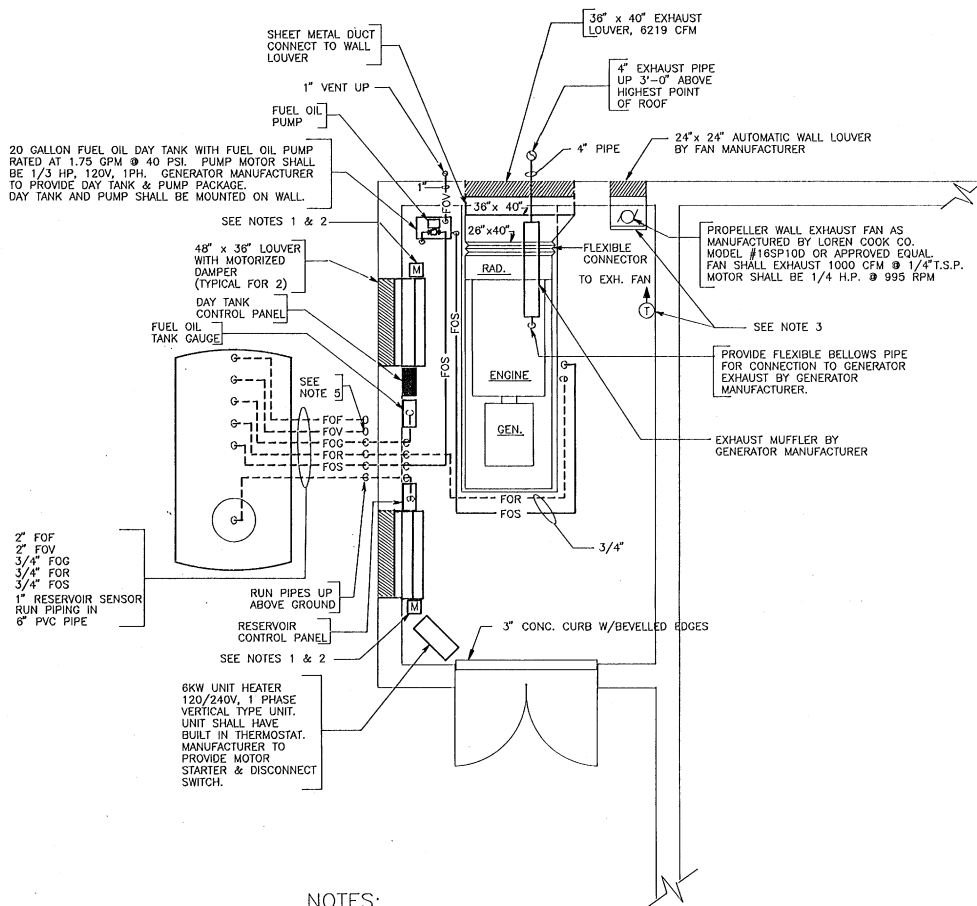
DET

SC.

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7



NOTES:

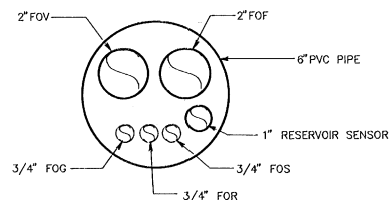
1. MOTOR OPERATOR FOR DAMPER SHALL BE NORMALLY OPEN. DAMPER SHALL BE CLOSED UNDER NORMAL OPERATION. PROVIDE SPRING RETURN ON MOTOR OPERATOR TO OPEN DAMPER WHEN THERE IS A POWER FAILURE.
2. MOTOR OPERATOR FOR DAMPER SHALL BE INTERLOCKED WITH THE WALL EXHAUST FAN TO OPEN WHEN EXHAUST FAN STARTS.
3. ELECTRIC WALL THERMOSTAT SHALL ENERGIZE EXHAUST FAN WHEN SPACE TEMPERATURE IS 90° F OR ABOVE.
4. ALL LOUVERS SHALL HAVE BIRD SCREEN AND INSECT SCREEN.
5. FUEL OIL VENT SHALL RISE 12'-0" ABOVE FINISHED FLOOR.

VENTILATION - PIPING PLAN

SCALE: 1/2" = 1'-0"

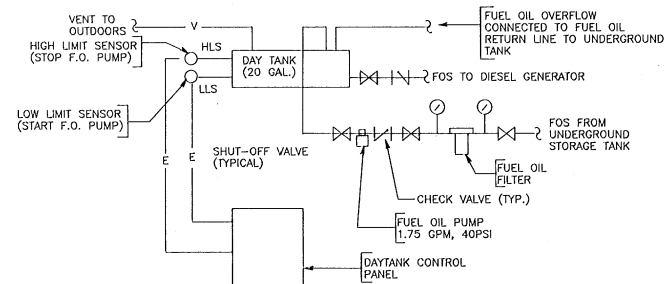
LEGEND

- PIPE TURNED UP
- ◊ PIPE TURNED DOWN
- ▨ WALL LOUVER
- ▭ MOTORIZED DAMPER
- ▬ BACKDRAFT DAMPER
- FOS FUEL OIL SUPPLY
- FOR FUEL OIL RETURN
- FOV FUEL OIL VENT
- FOG FUEL OIL GAUGE



TYPICAL UNDERGROUND PIPING DETAIL

SCALE: NONE



FUEL OIL PIPING SCHEMATIC

SCALE: NONE

ENGINEER/ARCHITECT



PROJECT NO. 37717

DATE: JUNE, 1988

SCALE: AS SHOWN

DATE: JUNE, 1988

SCALE: AS SHOWN

DATE: JUNE, 1988

SCALE: AS SHOWN

DATE: JUNE, 1988

SCALE: AS SHOWN

DATE: JUNE, 1988

SCALE: AS SHOWN

DATE: JUNE, 1988

SCALE: AS SHOWN

DATE: JUNE, 1988

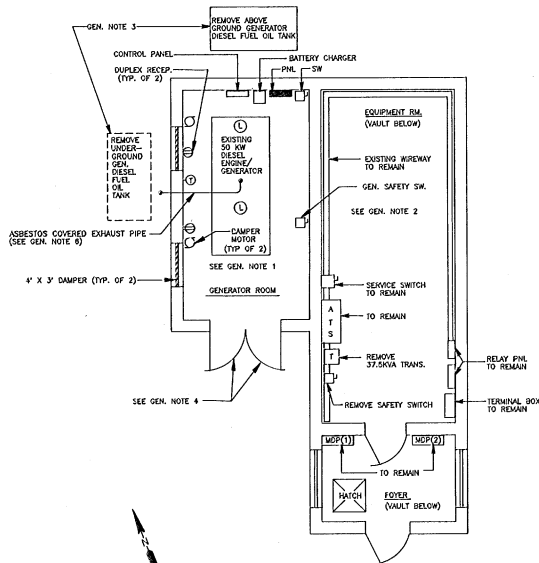
SCALE: AS SHOWN

DATE: JUNE, 1988

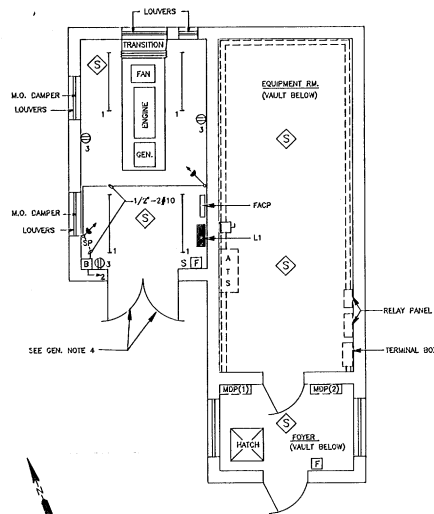
SCALE: AS SHOWN

DATE: JUNE, 1988

SCALE: AS SHOWN



DEMOLITION PLAN
SCALE: 1/4"=1'-0"



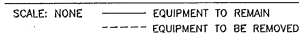
LTG. RECP. & COMM. PLAN
SCALE: 1/4"=1'-0"

GENERAL NOTES

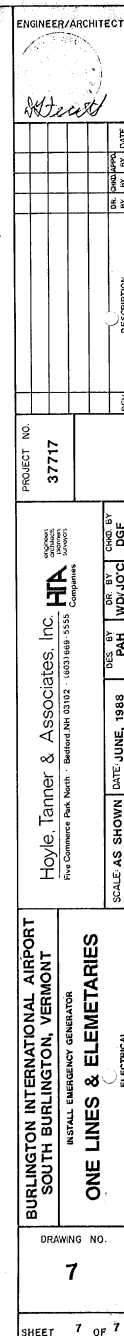
1. REMOVE EXISTING ENGINE/GENERATOR, PAD, PANEL, BATTERY CHARGE, CONTROL PANEL, LIGHTING FIXTURES, RECEPTABLES, SWITCHES, BRANCH CIRCUITS, DAMPERS, DAMPER MOTORS, CONTROL CONDUIT, FEEDERS AND FEEDER CONDUITS FROM GENERATOR ROOM. (SEE ONE LINE DIAG. SH. 7)
2. REMOVE EXISTING GENERATOR SAFETY SWITCH, TRANSFORMER, FEEDER AND CONDUITS. REMOVE GENERATOR ROOM PANEL FEEDER FROM EXISTING WIRE WAY. SERVICE SWITCH, ATS, MOP (1), MOP (2) AND OTHER AIRFIELD LIGHTING EQUIPMENT NOT SHOWN SHALL REMAIN. (SEE ONE LINE DIAG. SH. 7)
3. EXISTING GENERATOR FUEL OIL TANKS, PIPING AND PETROLEUM CONTAMINATED SOIL SHALL BE REMOVED AND PROPERLY DISPOSED OF IN ACCORDANCE WITH EPA GUIDELINES AND REGULATIONS. CERTIFIED REPORTS OF ROUTING AND FINAL DISPOSAL OF EQUIPMENT.
4. CONTRACTOR SHALL REMOVE TWO EXISTING 30" X 84" LOUVERED DOORS. DOOR FRAME SHALL REMAIN FOR RE-USE. CONTRACTOR SHALL FURNISH AND INSTALL TWO NEW FIRE RATED DOORS.
5. WHEN REMOVING THE EXISTING GENERATOR AND CONCRETE PAD, DO NOT REMOVE THE EXISTING SYSTEM GROUNDING CONDUCTOR. IT WILL BE RECONNECTED TO THE NEW GENERATOR.
6. EXISTING ASBESTOS COVERED EXHAUST PIPE SHALL BE REMOVED AND PROPERLY DISPOSED OF IN ACCORDANCE WITH EPA AND LOCAL AUTHORITIES REGULATIONS. THIS INCLUDES CERTIFIED REPORTS OF ROUTING AND FINAL DISPOSAL OF MATERIAL.
7. ALL CONDUITS WITH 60 HZ POWER CIRCUITS SHALL HAVE A GREEN EQUIPMENT GROUND (EG) CONDUCTOR SIGNAL IN ACCORDANCE WITH THE NEC.

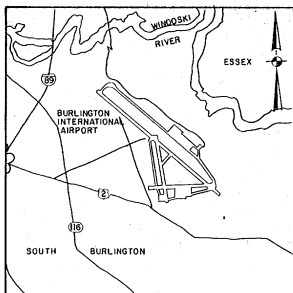
MANS: 100 AMP				BUS: ☐ AL ☒ CU		MOUNTING: ☐ FLUSH ☒ SURFACE		CHARACTERISTICS 120/240 VOLTS		LOADS:	
☐ MLO ☐ TOP ☐ BOTTOM ☒ SOLID NEUT (ISOLATED) ☒ GND BUS				☒ MAIN CKT BKR ☒ TOP ☐ BOTTOM ☐ FR 100 POLES 2		REMARKS: SHORT CKT I.C. OF BKRS: 10,000 AMPS, SYM. MIN.		1. PHASE 3. WIRE			
PANEL: L1				ISOLATED NEUTRAL		GROUND BUS					
CKT NO.	P	R	T	DESCRIPTION		DESCRIPTION					
1	1	100	20	ROOM LIGHTING		EMERGENCY BATTERY		20		100	
3	1	100	20	ROOM RECEPTACLE		M.O. DAMPERS		20		100	
5	1	100	20	ROOM RECEPTACLE		BATTERY CHARGER		20		100	
7/9	2	100	30	ENGINE BLOCK HEATER		DAY TANK FUEL OIL PUMP		20		100	
11	1	100	20	FIRE ALARM CONTROL PANEL		EXHAUST FAN		20		100	
13	1	100	20	SPARE		UNIT HEATER 8 KW		30		100	
15	1	100	20	SPARE		SPARE		20		100	
17	1			SPARE		SPARE		20		100	
19	1			SPARE		SPARE		1		20	
21	1			SPARE		SPARE		1		22	
23	1			SPARE		SPARE		1		24	

ENGINEER/ARCHITECT		PROJECT NO. 37717		DATE: JUNE, 1988		DRAWN BY: PAH		CHECKED BY: DGF	
HOYLE, TANNER & ASSOCIATES, INC.		DESIGNED BY: PAH		DATE: JUNE, 1988		DRAWN BY: PAH		CHECKED BY: DGF	
BURLINGTON INTERNATIONAL AIRPORT		DESIGNED BY: PAH		DATE: JUNE, 1988		DRAWN BY: PAH		CHECKED BY: DGF	
SOUTH BURLINGTON, VERMONT		DESIGNED BY: PAH		DATE: JUNE, 1988		DRAWN BY: PAH		CHECKED BY: DGF	
DEMOLITION PLAN - LTG. & RECP. PLAN		DESIGNED BY: PAH		DATE: JUNE, 1988		DRAWN BY: PAH		CHECKED BY: DGF	
DRAWING NO. 5		DESIGNED BY: PAH		DATE: JUNE, 1988		DRAWN BY: PAH		CHECKED BY: DGF	
SHEET 5 OF 7		DESIGNED BY: PAH		DATE: JUNE, 1988		DRAWN BY: PAH		CHECKED BY: DGF	



- (G) — (E) ENGINE/GENERATOR SET



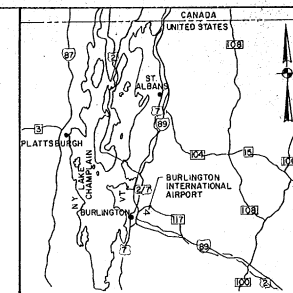


VICINITY MAP
FEET 2000 0 2000 4000 FEET
SCALE: 1" = 2000'

CITY OF BURLINGTON VERMONT BURLINGTON INTERNATIONAL AIRPORT

INSTALL 8' SECURITY FENCE

AIP PROJECT NO. 3-50-0005-13
CONTRACT II
SEPTEMBER, 1988



LOCATION MAP
MILE 0 11 22 MILES
SCALE: 1" = 11 MILES (APPROX)

MAJOR ITEM QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	AS BUILT
F-162	8' CHAIN LINK FENCE	2500 L.F.	2568 L.F.
F-162	COILED BARBED WIRE	L.F.	0 L.F.

INDEX TO DRAWINGS

DWG. NO.	TITLE	SHT. NO.
1	TITLE SHEET	1 OF 2
2	GENERAL PLAN	2 OF 2

RECORD DRAWINGS
I CERTIFY THAT ALL WORK INDICATED ON
THIS DRAWING HAS BEEN COMPLETED AS
SHOWN.
SIGNED: *[Signature]*
DATE: *12 JAN 89*

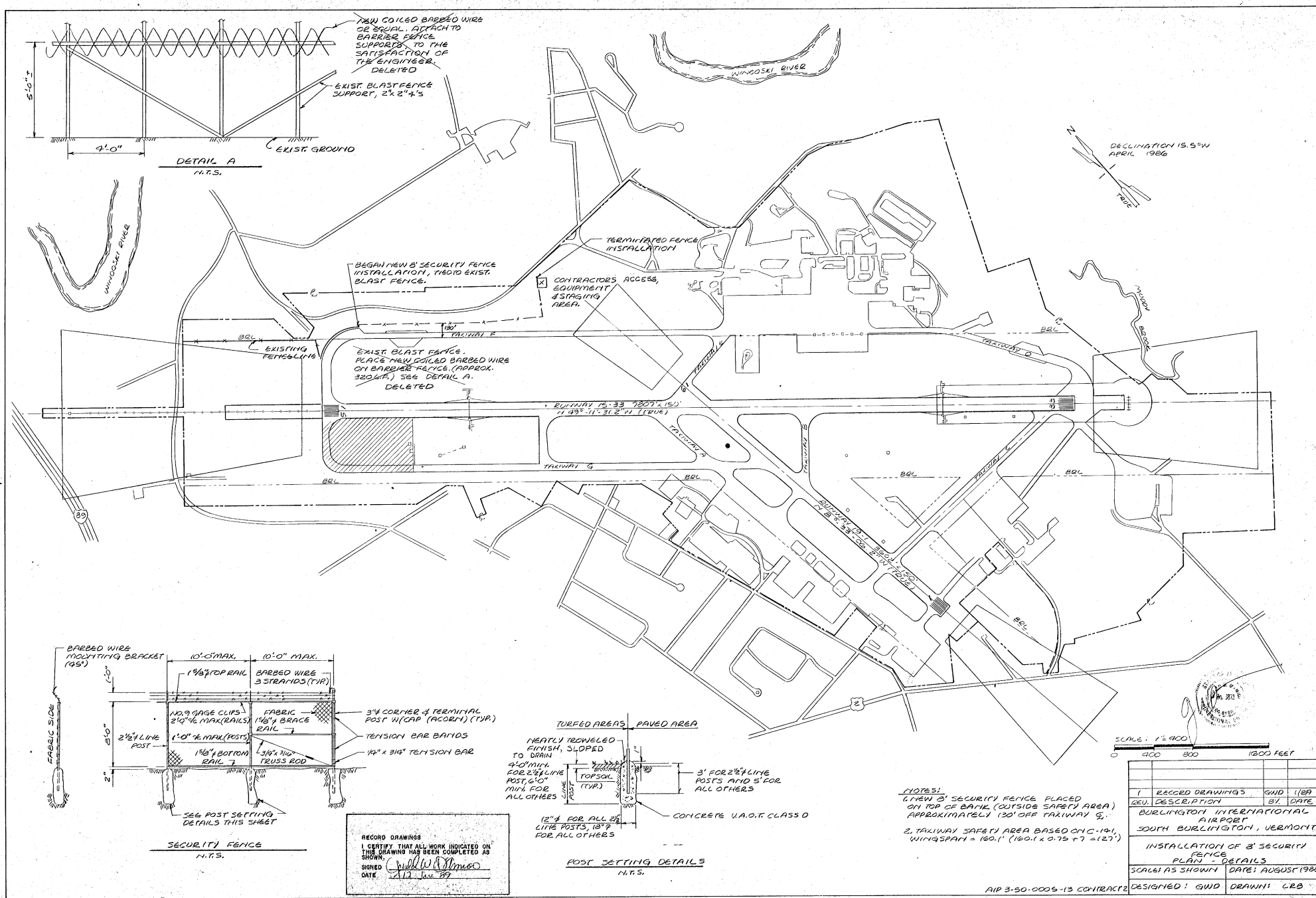
DESIGNER'S STATEMENT REGARDING COMPLIANCE
THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED TO THE
BEST OF MY KNOWLEDGE AND BELIEF, IN ACCORDANCE WITH CURRENT
FAA ADVISORY CIRCULARS.
BY: *[Signature]* DATE: *Oct 88*
BURLINGTON INTERNATIONAL AIRPORT

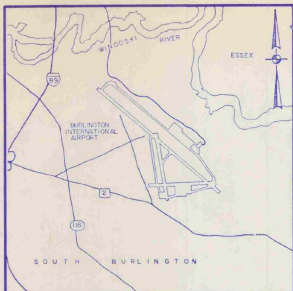
CITY OF BURLINGTON, VERMONT

APPROVED _____ DIRECTOR OF AVIATION
DATE _____
APPROVED _____ CHAIRMAN, BOARD OF AIRPORT COMMISSIONERS
DATE _____

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
NEW ENGLAND REGION

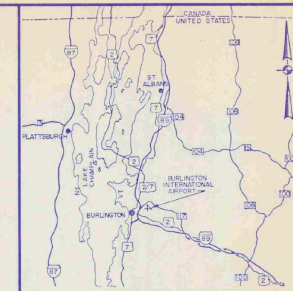
APPROVED _____ MANAGER OF AIRPORT ENGINEERING & SAFETY BRANCH
DATE _____
APPROVAL SUBJECT TO COMMENTS AND RECOMMENDATIONS IN LETTERS
DATED _____





VICINITY MAP
FEET 200 0 400
SCALE: 1" = 400'

CITY OF BURLINGTON VERMONT



LOCATION MAP
MILE 0 1 2
SCALE: 1" = 1 MILE (APPROX)

BURLINGTON INTERNATIONAL AIRPORT

INSTALL EMERGENCY GENERATOR

AIP PROJECT NO. 3-50-0005-13

AIR 03-2068⁷

JUNE 1988

MAJOR ITEM QUANTITIES

ITEM NO.	DESCRIPTION	UNIT
3-1	UNDERGROUND FUEL OIL STORAGE TANK	LUMP SUM
7-1	INSTALL DIESEL ENGINE/GENERATOR	LUMP SUM

INDEX TO DRAWINGS

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6	POWER PLAN	6 OF 7
7	ONE LINES AND ELEMENTARIES	7 OF 7

I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED: Richard S. Fagan
DATE: 10/9/89

DESIGNER'S CERTIFICATE REGARDING COMPLIANCE
These plans and specifications have been prepared to the best of my knowledge and belief, in accordance with current law, advisory opinions and orders of the Federal Aviation Administration, and I am not aware of any other laws, regulations, orders or decrees which may apply to this project. I am not responsible for any errors or omissions in the project engineering report or other official project documents.

NOTED: PAULER & ASSOCIATES, INC.
BY: PAULER & ASSOCIATES, INC. DATE: 10/9/89
Registration No. 1000000000

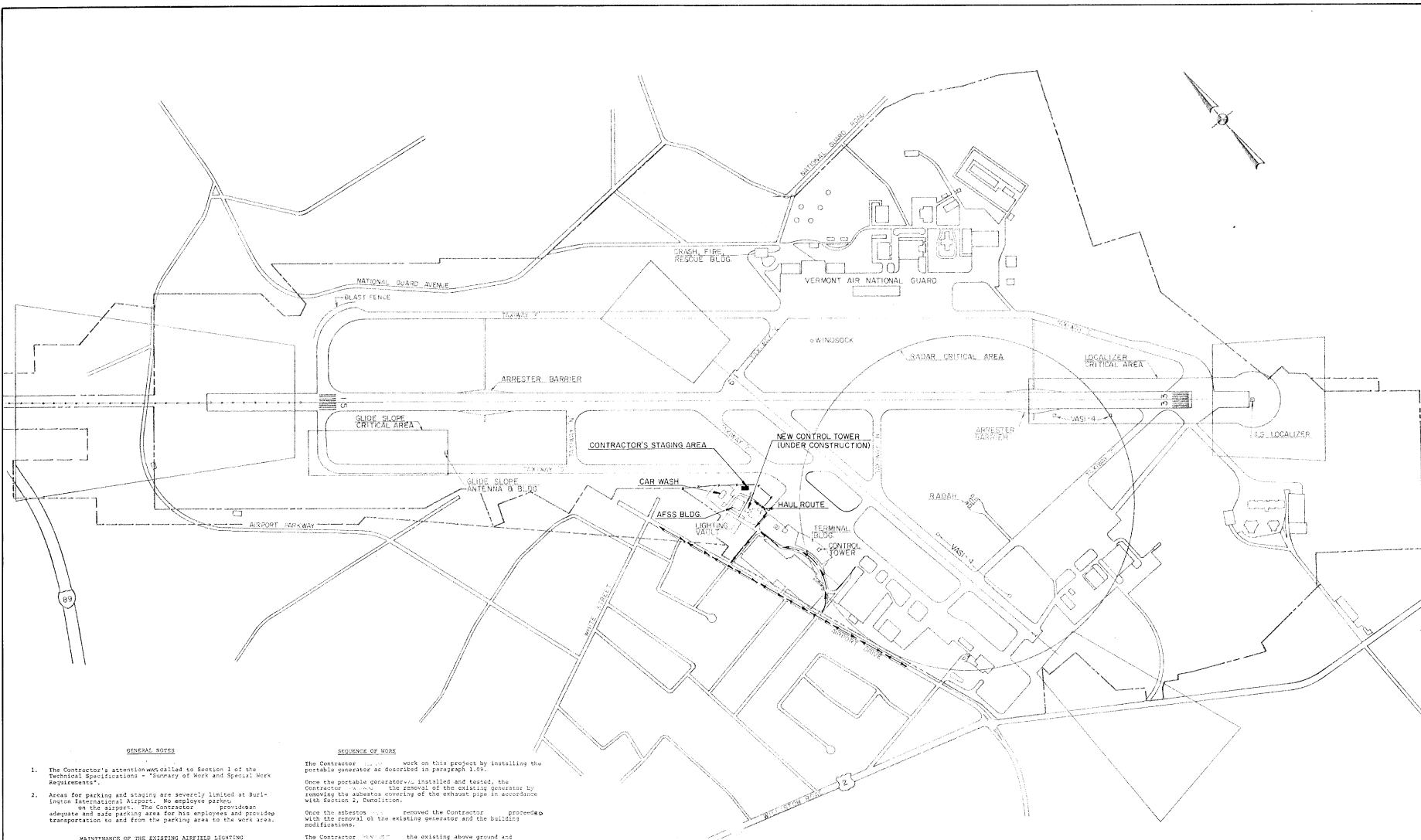
OCT 10 1989

"AS BUILT"

CITY OF BURLINGTON, VERMONT APPROVED: _____ DATE: _____ APPROVED: _____ DATE: _____		VERMONT AGENCY OF TRANSPORTATION APPROVED: _____ DATE: _____ APPROVED: _____ DATE: _____		U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION NEW ENGLAND REGION APPROVED: _____ DATE: _____ APPROVAL SUBJECT TO COMMENTS AND RECOMMENDATIONS IN LETTERS. DATE: _____		<table border="1"> <tr> <td>REVISED "AS-BUILT"</td> <td>REV.</td> <td>DESCRIPTION</td> <td>DR.</td> <td>CHK.</td> <td>APP.</td> <td>DATE</td> </tr> <tr> <td>1</td> <td>HA</td> <td>Hayle, Tanner & Associates, Inc. engineers/architects/planners/surveyors</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="7">6 COMMERCE PARK NORTH • BEDFORD, NH</td> </tr> <tr> <td colspan="7">In association with:</td> </tr> <tr> <td>1</td> <td>ABR</td> <td>Alonzo B. Reed, Inc. architects/engineers/planners</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="7">12 FARNSWORTH ST. • BOSTON, MA</td> </tr> </table>		REVISED "AS-BUILT"	REV.	DESCRIPTION	DR.	CHK.	APP.	DATE	1	HA	Hayle, Tanner & Associates, Inc. engineers/architects/planners/surveyors					6 COMMERCE PARK NORTH • BEDFORD, NH							In association with:							1	ABR	Alonzo B. Reed, Inc. architects/engineers/planners					12 FARNSWORTH ST. • BOSTON, MA							CITY OF BURLINGTON, VERMONT BURLINGTON INTERNATIONAL AIRPORT INSTALL EMERGENCY GENERATOR TITLE SHEET SCALE: AS SHOWN DATE: JUNE 1988 DES. BY: JBD CHK. BY: CBB APP. BY: JBD PROJECT NO. 37717 SHEET OF 17 DRAWING NO. 1	
REVISED "AS-BUILT"	REV.	DESCRIPTION	DR.	CHK.	APP.	DATE																																													
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In association with:																																																			
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12 FARNSWORTH ST. • BOSTON, MA																																																			

AIP NO. 3-50-0005-13

DO NOT SCALE DRAWING



GENERAL NOTES

- The Contractor's attention is called to Section 1 of the Technical Specifications - "Summary of Work and Special Work Requirements".
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The Contractor shall maintain a minimum of a 50 AMP, 120/240 V, portable engine generator and connect it to a generator to the existing transfer switch to automatically provide power to the airfield lighting systems in case of the loss of commercial power.

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The portable generator shall be installed prior to any work on the existing generator and shall be in place until the new generator is installed, tested, and accepted. The Contractor shall furnish, install, and maintain materials necessary to install the temporary generator and make any temporary connections to keep the existing airfield lighting operational until the new generator is installed, tested and accepted.

SEQUENCE OF WORK

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Once the portable generator is installed and tested, the Contractor shall remove the existing generator by removing the asbestos covering of the exhaust pipe in accordance with Section 2, Demolition.

Once the asbestos is removed the Contractor shall proceed with the removal of the existing generator and the building modifications.

The Contractor shall remove the existing above ground and underground fuel tanks in accordance with Section 2, Demolition. The new underground fuel tank shall be installed in approximate the same location as the existing underground tank.

The Contractor shall maintain his operations in such a manner as to maintain access at all times to the rental car parking lots and car wash which are adjacent to the lighting vault.

SIMULTANEOUS CONSTRUCTION

The Contractor is hereby notified that contractor(s) for the Federal Aviation Administration is constructing a new Air Traffic Control Tower adjacent to the Automated Flight Service Station and Contractor(s) for Burlington International Airport will be constructing the north end of the Terminal apron. The Contractor on both projects shall be working in and around the lighting vault.

DISPOSAL AREA

No disposal of materials from this project shall be permitted on airport property.

The Contractor, legally, shall dispose of all materials off airport property in all accordance with Section 2, Demolition.

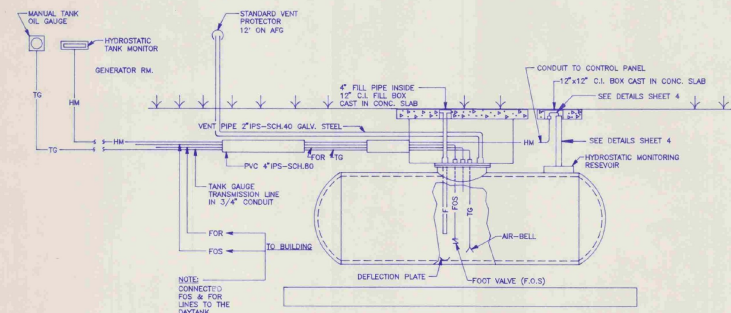
I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED: Richard S. Fife
DATE: 10/1/89

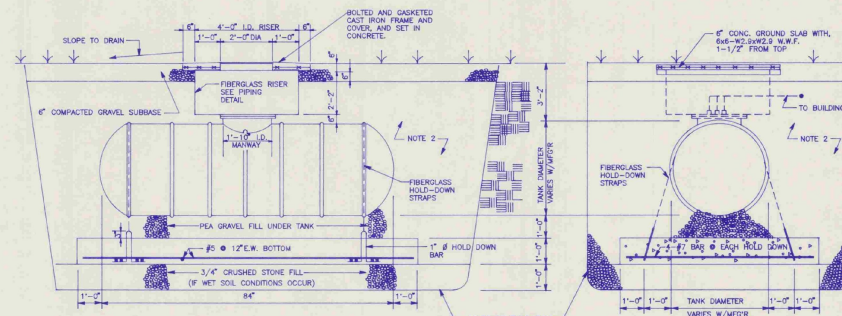
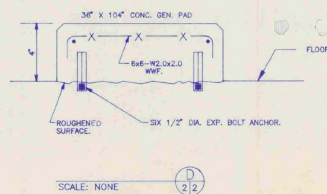
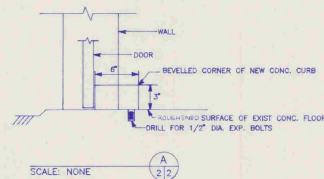
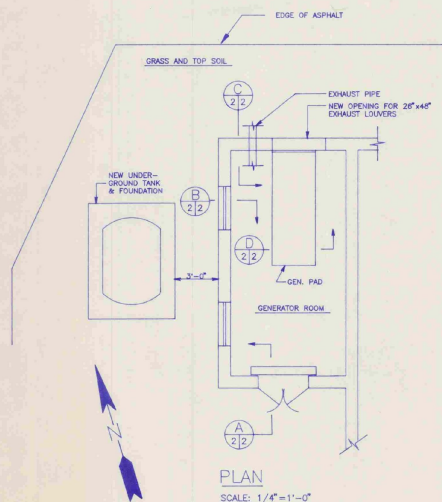
"AS BUILT"

ENGINEER/ARCHITECT		PROJECT NO.		37717	
Hoyte, Tanner & Associates, Inc.		DATE		JUNE 1988	
17 Pleasant St. Burlington, VT 05401		DRAWN BY		JBD	
ALONZO B. REED, INC.		CHECKED BY		JBD	
17 Pleasant St. Burlington, VT 05401		DATE		JUNE 1988	
SCALE 1"=400'		DESCRIPTION		GENERAL PLAN	
BURLINGTON INTERNATIONAL AIRPORT		DRAWING NO.		2	
SOUTH BURLINGTON, VERMONT		SHEET		2 OF 7	

DO NOT SCALE DRAWING



MECHANICAL PIPING DETAIL
NO SCALE



SIDE VIEW

END VIEW

UNDERGROUND FUEL OIL TANK DETAILS
NO SCALE

GENERAL NOTES

1. NEW TANK IS 550 GAL. MINIMUM; DOUBLE WALL FIBERGLASS. PROVIDED NEW PIPING FROM TANK TO GENERATOR ROOM.
2. BACKFILL ENTIRE EXCAVATION, EXCEPT WHERE OTHERWISE NOTED, WITH 1/8\"/>

LEGEND

- FOS— FUEL OIL SUPPLY
- FOR— FUEL OIL RETURN
- F— FILL PIPE
- V— VENT PIPE
- TG— TANK GAUGE LINE
- HM— HYDROSTATIC MONITORING

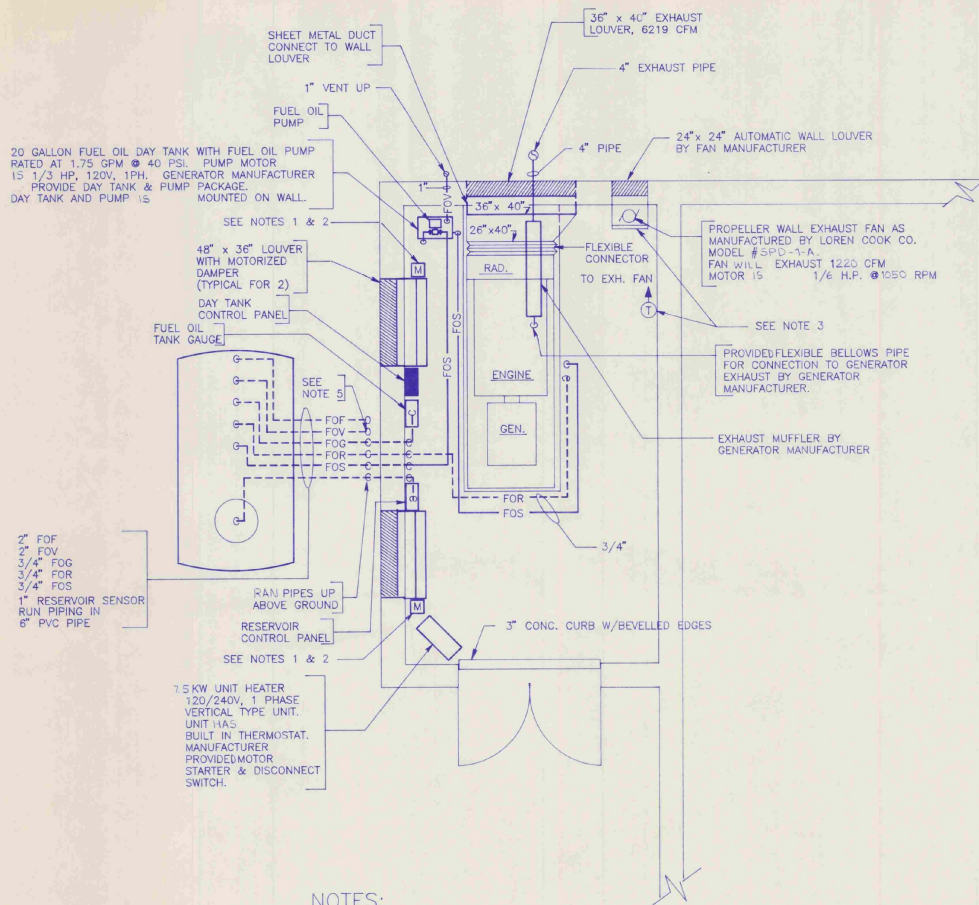
I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED: *Richard J. Fagan*
DATE: 10/9/88

"AS BUILT"

ENGINEER/ARCHITECT		PROJECT NO. 37717		SCALE: AS SHOWN		DATE: JUNE, 1988		DRAWING NO. 3	
		REVISIONS BY: [] DATE: [] DESCRIPTION: [] REV: []		CHD BY: DGF DR BY: WLD SEE BY: JDC		Hoyle, Tamer & Associates, Inc. 100 Commerce Bldg. North Bedford, NH 03110 (603) 888-5555 HFA Companies		BURLINGTON INTERNATIONAL AIRPORT SOUTH BURLINGTON, VERMONT INSTALL EMERGENCY GENERATOR FUEL TANK INSTALLATION & MISC. DETAILS ARCHITECTURAL/STRUCTURAL	
SHEET 3 OF 7									

DO NOT SCALE DRAWING



NOTES:

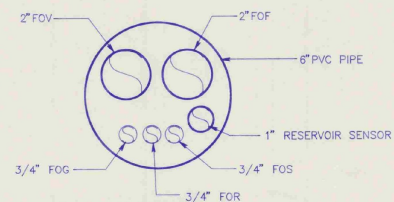
1. MOTOR OPERATOR FOR DAMPER IS NORMALLY OPEN. DAMPER WILL BE CLOSED UNDER NORMAL OPERATION. PROVIDED SPRING RETURN ON MOTOR OPERATOR TO OPEN DAMPER WHEN THERE IS A POWER FAILURE.
2. MOTOR OPERATOR FOR DAMPER IS INTERLOCKED WITH THE WALL EXHAUST FAN TO OPEN WHEN EXHAUST FAN STARTS.
3. ELECTRIC WALL THERMOSTAT WILL ENERGIZE EXHAUST FAN WHEN SPACE TEMPERATURE IS 90° F OR ABOVE.
4. ALL LOUVERS HAVE BIRD SCREENS AND INSECT SCREENS.
5. FUEL OIL VENT RISES 12'-0" ABOVE FINISHED FLOOR.

VENTILATION - PIPING PLAN

SCALE: 1/2" = 1'-0"

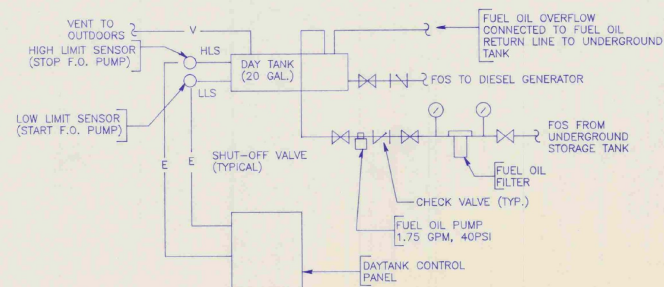
LEGEND

- PIPE TURNED UP
- ◐ PIPE TURNED DOWN
- ▬ WALL LOUVER
- ▬ MOTORIZED DAMPER
- ▬ BACKDRAFT DAMPER
- FOS FUEL OIL SUPPLY
- FOR FUEL OIL RETURN
- FOF FUEL OIL FILL
- FOV FUEL OIL VENT
- FOG FUEL OIL GAUGE



TYPICAL UNDERGROUND PIPING DETAIL

SCALE: NONE



FUEL OIL PIPING SCHEMATIC

SCALE: NONE

I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED: *Richard J. Filler*
DATE: 10/12/89

"AS BUILT"

ENGINEER/ARCHITECT		PROJECT NO.		DATE	
37717		JUNE, 1988		REVISED "AS-BUILT"	
Hoyle, Tanner & Associates, Inc.		DATE		BY	
1000 North Bedford Ave. North Bedford, NH 03102 (603) 668-5555		RJR		WDJ/C	
SCALE AS SHOWN		DATE		BY	
JUNE, 1988		RJR		WDJ/C	
BURLINGTON INTERNATIONAL AIRPORT		DRAWING NO.		SHEET	
SOUTH BURLINGTON, VERMONT		4		4 OF 7	
INSTALL EMERGENCY GENERATOR		MECHANICAL			
VENTILATION, PIPING & DETAILS					

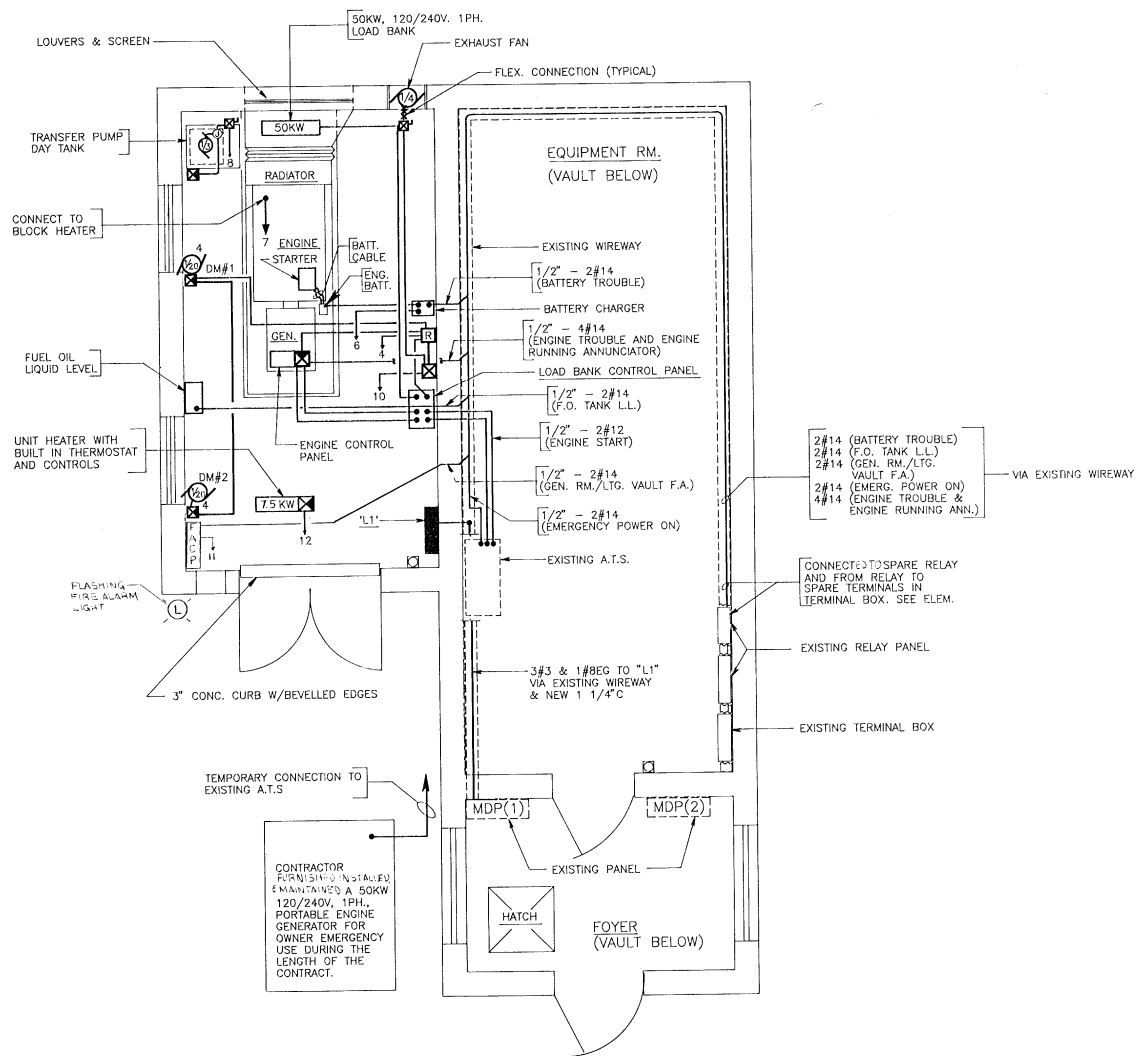
GENERAL NOTES

1. REMOVE EXISTING ENGINE/GENERATOR, PAD, PANEL, BATTERY CHARGE, CONTROL PANEL, LIGHTING FIXTURES, RECEPTACLES, SWITCHES, BRANCH CIRCUITS, DAMPERS, DAMPER MOTORS, CONTROL CONDUIT, FEEDERS AND FEEDER CONDUITS FROM GENERATOR ROOM. (SEE ONE LINE DIAG. SH. 2)
2. REMOVE EXISTING GENERATOR SAFETY SWITCH, TRANSFORMER, FEEDER AND CONDUITS. REMOVE GENERATOR ROOM PANEL FEEDER FROM EXISTING WIRE WAY. SERVICE SWITCH, ATS, MIP (1), MIP (2) AND OTHER AIRFIELD LIGHTING EQUIPMENT NOT SHOWN REMAINED. (SEE ONE LINE DIAG. SH. 7)
3. EXISTING GENERATOR FUEL OIL TANKS, PIPING AND PETROLEUM CONTAMINATED SOIL. REMOVE AND PROPERLY DISPOSED OF IN ACCORDANCE WITH EPA GUIDELINES AND REGULATIONS. CERTIFIED REPORTS OF ROUTING AND FINAL DISPOSAL OF EQUIPMENT.
4. CONTRACTOR REMOVE TWO EXISTING 30" X 84" LOUVERED DOOR. DOOR FRAME REMAINED FOR RE-USE. CONTRACTOR PLASTER AND INSTALLED TWO NEW FIRE RATED DOORS.
5. WHEN REMOVING THE EXISTING GENERATOR AND CONCRETE PAD, THE EXISTING SYSTEM GROUNDING CONDUCTOR, WAS RECONNECTED TO THE NEW GENERATOR.
6. EXISTING ASBESTOS COVERED EXHAUST PIPE WAS REMOVED AND PROPERLY DISPOSED OF IN ACCORDANCE WITH EPA AND LOCAL AUTHORITIES REGULATIONS. THIS INCLUDES CERTIFIED REPORTS OF ROUTING AND FINAL DISPOSAL OF MATERIAL.
7. ALL CONDUITS WITH 60 HZ POWER CIRCUITS SHALL HAVE A GREEN EQUIPMENT GROUND (EG) CONDUCTOR SIGNAL IN ACCORDANCE WITH THE NEC.
8. REMOVE ASBESTOS CEILING MATERIALS AND INSTALLED NEW AL PLANK CEILING.

DEMOLITION PLAN
SCALE: 1/4"=1'-0"

LTG. RECP. & COMM. PLAN
SCALE: 1/4"=1'-0"

MANS: 100 AMP				BUS: ☐ AL ☒ CU				MOUNTING: ☐ FLUSH ☒ SURFACE				CHARACTERISTICS 120/240 VOLTS				LOADS:																																																																																																																																																																																																																																																																																																																																																																																													
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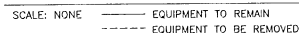


I HEREBY CERTIFY THAT ALL WORK
INDICATED ON THIS DRAWING HAS
BEEN COMPLETED AS SHOWN.

SIGNED Richard S. Fife
DATE 10/3/09

"AS BUILT"

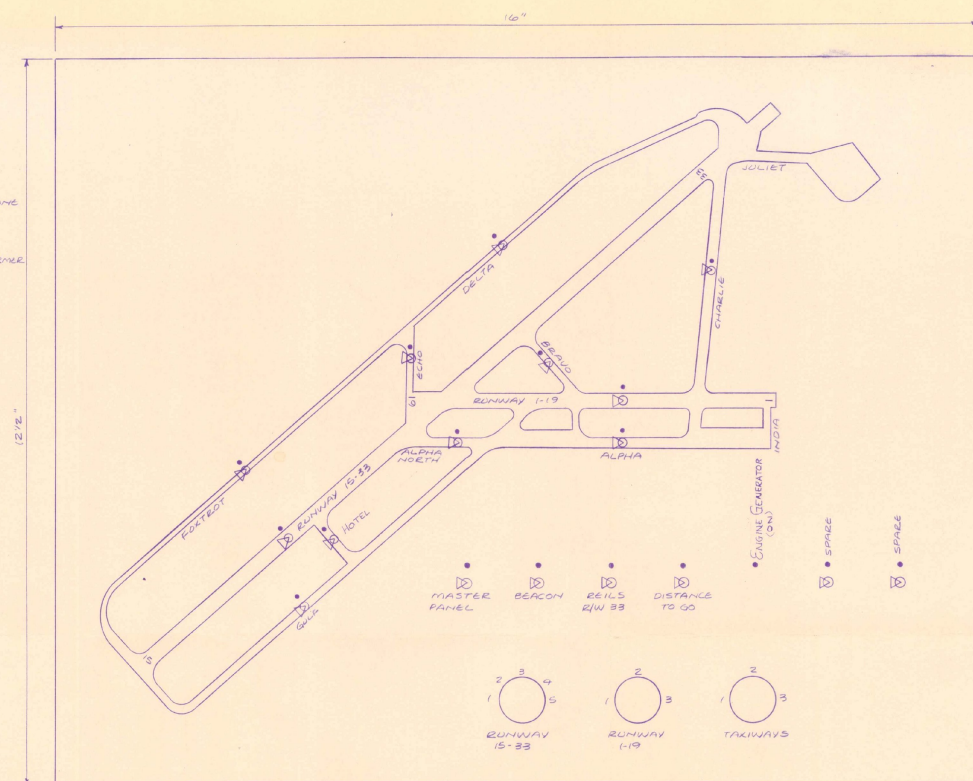
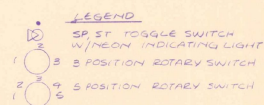
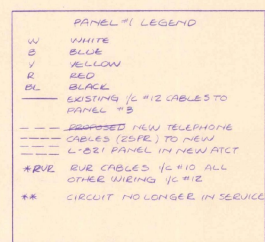
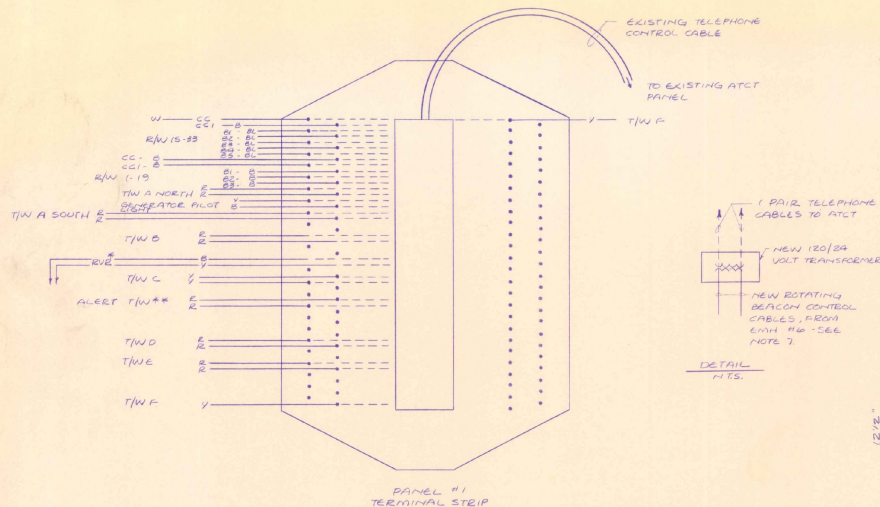
SHEET	6	OF	7	DRAWING NO	6	BURLINGTON INTERNATIONAL AIRPORT SOUTH BURLINGTON, VERMONT	HOYLE, TANNER & ASSOCIATES, INC. 16031 1609-5555 FREE COMMERCE PARK NORTH BURLINGTON, NH 03102										PROJECT NO. 37717										ENGINEER/ARCHITECT 																																										
							INSTALLED EMERGENCY GENERATOR POWER PLANT ELECTRICAL										SCALE AS SHOWN DATE JUNE 1988										DES. BY PAH										CHECK BY JDC										DES. BY PAH										CHECK BY JDC										REV.		



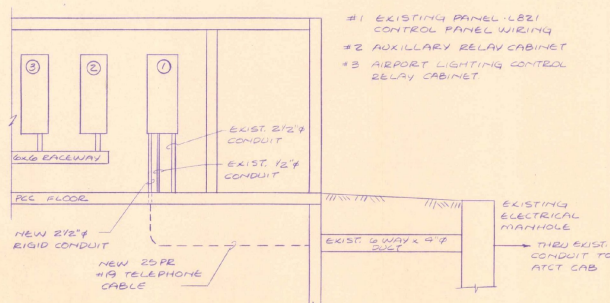
-  3 DUPLEX RECEPTACLE NEMA CONF. 5-20R. SURFACE MOUNTED 3'-6" AFF. NUMBER DENOTES CIRCUIT NO.
-  ATS AUTOMATIC TRANSFER SWITCH
-  MDP(1) MAIN DISTRIBUTION PANEL
-  12V EMERGENCY BATTERY UNIT WITH SHELF MOUNTED 7'-0" AFF
-  25WATT 12V SEAL BEAM EMERGENCY BATTERY LIGHT. MOUNTED 7'-0" AFF
-  S SINGLE POLE SWITCH FOR ROOM LIGHTS. MOUNTED 4'-0" AFF
-  SP SINGLE POLE SWITCH FOR EMERGENCY LIGHTS. TOGGLE HANDLE LIGHTS WHEN SWITCH IS OFF. MOUNTED IN A HANDY BOX 5'-0" AFF (UNDER EMERGENCY BATTERY).
-  4FT. SURFACE MOUNTED INDUSTRIAL FLUORESCENT LIGHTING FIXTURE WITH PORCELAIN REFLECTOR, END CAPS. 120V HIGH POWER FACTOR BALLAST & TWO F40CW LAMPS.
-  V2 A.C. MOTOR — 1/3 INDICATES HORSEPOWER
-  MAGNETIC MOTOR STARTER, 600V, 3P, NEMA SIZE 0, IN NEMA TYPE 1 INCLOSURE, WITH H-0-A IN COVER, 120V COIL & OVERLOAD.
-  CONTROLS BY EQUIPMENT MANUFACTURER
-  LINE VOLTAGE THERMOSTAT RATED 10A 120V
-  $\frac{+}{-}$ R1 CONTACT — NORMALLY OPEN
-  RELAY
-  R 8" X 8" X 6" NEMA TYPE 1 INCLOSURE CONTAINING RELAY R1 RATED AT 300V, 10A, 4 N.O. CONTACTS, AND 120V COIL.
-  MANUAL MOTOR STARTER
-  FACP FIRE ALARM CONTROL PANEL-4 ZONE
-  S FIRE ALARM SMOKE DETECTOR—PHOTO ELECTRIC TYPE WITH AUDIO BASE.
-  F FIRE ALARM MANUAL PULL STATION MOUNT 5'-0" AFF
-  STORED PRESSURE HALON 1211 WALL MOUNTED FIRE EXTINGUISHER. MINIMUM RATED TO B.C.
-  EG EQUIPMENT GROUND
-  N NEUTRAL
-  T TRANSFORMER DRY TYPE
-  HOME RUN TO PANEL L1 NUMERICAL DENOTES CKT. NO.
-  ANNUNCIATOR DROP
-  SAFETY SWITCH
-  G—E ENGINE/GENERATOR SET
-  EXTERIOR FIRE ALARM LIGHT

SIGNED Richard S. Fidler
DATE 10/4/89

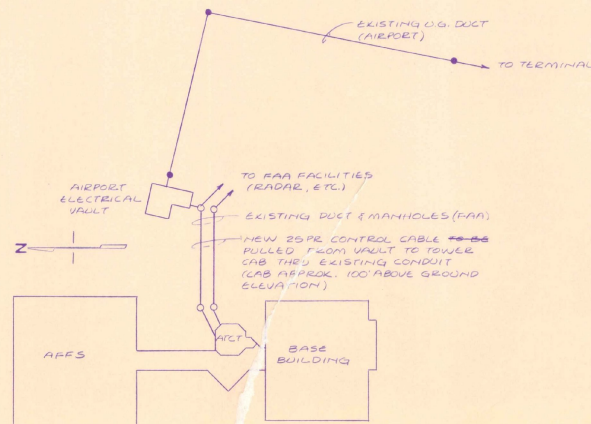
"AS BUILT"



- PANEL NOTES**
1. L-821 PANEL CONFORMS TO FAA SPECIFICATION FOR REMOTE CONTROL LIGHTING PANELS, A.C. 150/5345-3D. PANEL TO BE TYPE II, CLASS F, STYLE I.
 2. RUNWAY & TAXIWAY LAYOUT PAINTED ONTO PANEL PLATE AS SHOWN. AIRPORT LAYOUT TO CONTRAST WITH PANEL BACKGROUND (LAYOUT WHITE WITH BROWN BACKGROUND.) SHALL LAYOUT LETTERING 3/16" HIGH - COLOR BLACK (RUNWAYS) & WHITE (TAXIWAYS).
 3. ALL PANEL WIRING 1/2" #10 UNLESS OTHERWISE NOTED.
 4. PANEL SWITCHPLATES ENGRAVED BAKELITE WHITE LETTERING AT LEAST 3/16" HIGH BROWN BACKGROUND.
 5. NEW PANEL PLATE PLACED ON EXISTING CONSOLE IN ATCT CAB.
 6. AIRPORT ROTATING BEACON CONTROL CABLES TO BE PULLED FROM ENH #10 TO NEW CONTRACTOR IN VAULT.
 7. INSTALL NEW SURGE (LIGHTNING) PROTECTION ON INCOMING CONTROL CABLES IN BASEMENT OF ATCT SURGE PROTECTION DEVICE SUPPLIED BY FAA - R.F.E.
 8. 120V. SUPPLY FOR INDICATING LAMP FED AT LIGHTING PANEL LOCATION (FROM TOWER CAB SPRK).
 9. MASTER SWITCH CONTROL. 120V. SUPPLY TO INDICATING LAMP - ONLY.
 10. 600V. 12 PAIR CABLE ASSEMBLY FOR INDICATING LAMP RUN IN SEPARATE (PARALLEL) CHASE FROM VAULT TO L-821 PANEL. AIP 3-50-0005-13 C/2.



EXISTING ELECTRICAL VAULT WALL
NO SCALE



"AS BUILT"

BURLINGTON INTERNATIONAL AIRPORT
SOUTH BURLINGTON, VERMONT
AIP 3-50-0005-13
C/O #2 INSTALL NEW L-821 PANEL IN AIR TRAFFIC CONTROL TOWER

DESIGN BY: G.W.D. DATE: JULY, 1989
DRAWN BY: LEB SCALE: NONE

1. HEREBY CERTIFY THAT ALL WORK REQUIRED BY THIS DRAWING HAS BEEN COMPLETED AS INDICATED.
AIP 3-50-0005-13
AIRPORT ENGINEER DATE: 5 MARCH 1990

Phase III
#090303-01



INITIALS

Hanger 4972 DONE

BURLINGTON VERMONT AGENCY OF TRANSPORTATION
PLANNING DIVISION

STATES, INC.

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HOYLE, TANNER

Hanger 4976

INITIALS

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Vermont Agency of
Transportation
Phase III
#090303-01

BOELINGTOWN
AIP 3-50-0005-131988

AIE 03-2067
1988
1988 AS BUILT

Phase III
#090303-01



INITIALS

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AIR 03-2067
AIP 3-50-0005-13

**VERMONT AGENCY OF TRANSPORTATION
PLANNING DIVISION**