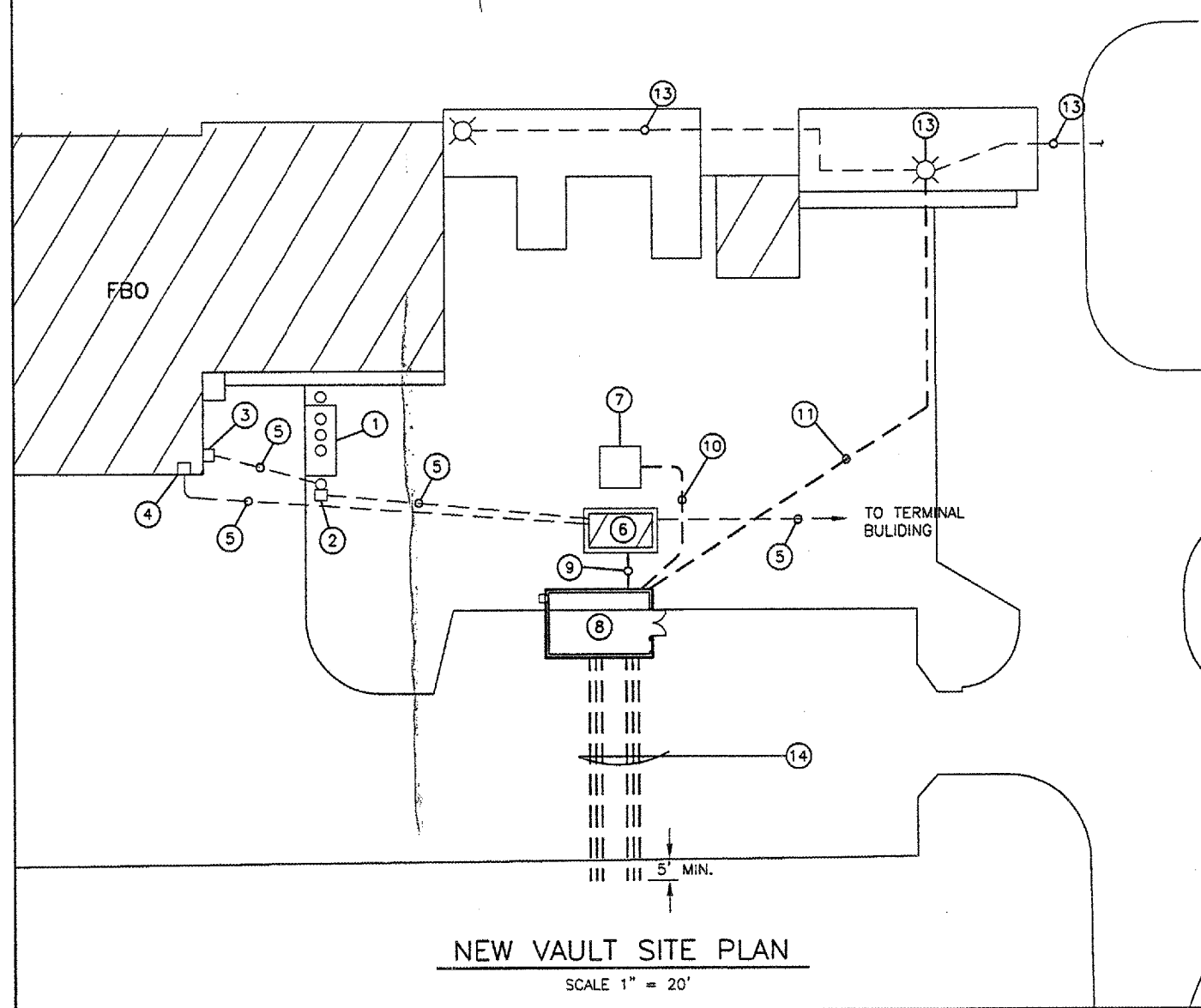


ONE-LINE DIAGRAM

NTS

ONE-LINE DIAGRAM NOMENCLATURE

- ① EXISTING UTILITY TRANSFORMER BANK.
- ② EXISTING METERING FOR TERMINAL BUILDING.
- ③ EXISTING METERING FOR FBO BUILDING
- ④ EXISTING FBO BUILDING AUTOMATIC TRANSFER SWITCH.
- ⑤ EXISTING STANDBY GENERATOR HOUSING.
- ⑥ EXISTING AUTOMATIC TRANSFER SWITCH.
- ⑦ EXISTING STANDBY GENERATOR, 185 KW.
- ⑧ 150A CIRCUIT BREAKER FOR FBO BUILDING STANDBY POWER.
- ⑨ EXISTING WIRING FOR FBO BUILDING AND TERMINAL BUILDING.
- ⑩ NEW VAULT BUILDING ELECTRICAL SERVICE, TWO #3/0 THWN PER PHASE, TWO #1/0 NEUTRAL, ONE #2 GROUND IN TWO 2" GRSC.
- ⑪ NEW VAULT BUILDING DISTRIBUTION PANELBOARD, 400A, 120/240V, 3-PHASE, 4-WIRE.
- ⑫ NEW VAULT BUILDING.



NEW VAULT SITE PLAN

SCALE 1" = 20'

VAULT SITE PLAN NOMENCLATURE

- ① EXISTING UTILITY TRANSFORMER BANK ON POLE MOUNTED PLATFORM.
- ② EXISTING METERING FOR TERMINAL BUILDING ELECTRICAL SERVICE.
- ③ EXISTING METERING FOR FBO BUILDING ELECTRICAL SERVICE.
- ④ EXISTING FBO BUILDING AUTOMATIC TRANSFER SWITCH.
- ⑤ EXISTING SERVICES (FOR INFORMATION ONLY).
- ⑥ EXISTING STANDBY GENERATOR HOUSING.
- ⑦ EXISTING BEACON.
- ⑧ NEW VAULT BUILDING.
- ⑨ NEW VAULT BUILDING ELECTRICAL SERVICE, TWO #3/0 USE PER PHASE, TWO #1/0 USE NEUTRAL, ONE #2 GROUND IN TWO 2" GRSC TO AUTOMATIC TRANSFER SWITCH IN GENERATOR HOUSING.
- ⑩ NEW TWO #12 USE, ONE #12 GROUND IN 3/4" TO BEACON
- ⑪ NEW TWO #4 USE (240V CIRCUIT), TWO #4 USE (240V CIRCUIT), ONE #6 GROUND IN 2"GRSC TO APRON LIGHT, SPLICE TO EXISTING WIRING AT POLE BASE.
- ⑫ EXISTING APRON LIGHT.
- ⑬ EXISTING APRON LIGHT WIRING.
- ⑭ 2" GRSC TO 5' MIN. BEYOND EDGE OF PAVEMENT. SEE VAULT DETAILS - 2, DETAIL E, FOR NUMBER OF CONDUITS AND CONTENTS.

REVISIONS		
NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).

VERMILION COUNTY AIRPORT
 DANVILLE, ILLINOIS

RELOCATE AIRFIELD ELECTRICAL VAULT
 NEW VAULT SITE PLAN

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DESIGN BY:	CET
DRAWN BY:	CMT
CHECKED BY:	
APPROVED BY:	
DATE:	06-22-2007
JOB No:	0704202
ILLINOIS PROJECT DNV-3684 A.I.P. PROJECT 3-17-0032-811	
SHEET 6 OF 16 SHEETS	