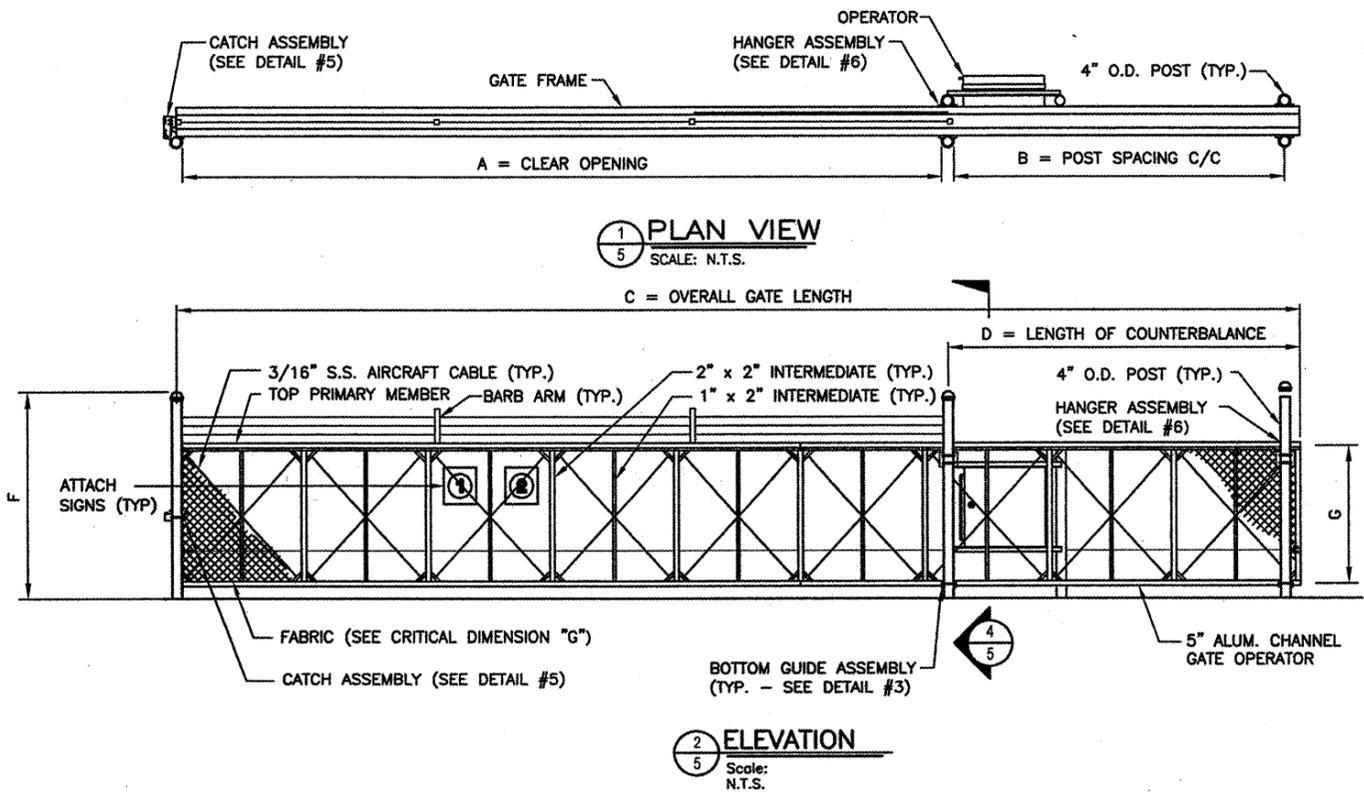


REVISIONS		
NUMBER	BY	DATE



	FORMULA	16' GATE	24' GATE
A	CLEAR OPENING	A	24'-0"
B	COUNTERBALANCE POST SPACING C/C	(A/2)-11"	7'-1"
C	OVERALL GATE LENGTH	A x 1.5	36'-0"
D	COUNTERBALANCE LENGTH	A x 0.5	8'-0"
E	NOMINAL GATE HEIGHT	E	12'-6"
F	POST HEIGHT	E + 1'-6"	12'-6"
G	FABRIC HEIGHT	E - 1'-0"	10'-0"

- Notes:
- In the 1st row under the Title, you can replace the Gate width with a Gate # if you wish.
  - Dimensions E F & G are for an 8-foot tall Gate. Adjust as needed for your specific fence height.
  - Dimension F is for a Gate that has barbed wire. If your Gate will not have barbed wire, subtract one foot from the dimension.

CONTRACTOR SHALL FURNISH AND INSTALL SIGNS AS INDICATED IN TABLE BELOW					
SIGN	DIMENSIONS	LETTERING		TEXT	
		BACKGROUND COLOR	COLOR HEIGHT		
1	24' x 18"	WHITE	RED 1.5"	FAA REGULATIONS REQUIRE THAT AFTER ENTERING OR EXITING THROUGH THIS SECURITY GATE YOU ARE REQUIRED TO WAIT UNTIL THE GATE CLOSES BEFORE PROCEEDING. FINES OR PENALTIES WILL BE IMPOSED.	
2	SEE WARNING SIGN DETAIL				

NOTES  
1) SIGNS SHALL BE INSTALLED ON BOTH SIDES OF GATE.

NOTES

- CANTILEVERED GATE SHALL BE SUFFICIENTLY RIGID TO WITHSTAND FLEXING OR BENDING DURING WINDY CONDITIONS. CONTRACTOR SHALL PROVIDE STIFFENERS, STRUCTURAL SHAPES IN EXCESS OF THE MINIMUM SPECIFIED DIMENSIONS OR ADDITIONAL ROLLERS AND POSTS SUFFICIENT TO PREVENT DISPLACEMENT OF THE GATE BY WIND OR BY UNAUTHORIZED PERSONNEL.
- CONTRACTOR SHALL PROVIDE AND INSTALL GATE AS COMPLETE WORKING UNIT. THE GATE WORK SHALL INCLUDE, BUT NOT BE LIMITED TO: GATE, OPERATOR, DIGITAL CODE CONTROL AND POWER CABLES, CONDUIT, TRENCHING, CIRCUIT BREAKERS, AND ALL CONNECTIONS, LABOR AND MATERIALS NECESSARY TO COMPLETE OPERATION. CONTRACTOR MAY RE-USE EXISTING EQUIPMENT AS SHOWN.
- PRIOR TO INITIATING WORK ON ANY GATE THE CONTRACTOR SHALL MEASURE THE RESISTANCE IN THE POWER AND CONTROL CABLES IN THE PRESENCE OF THE RESIDENT ENGINEER.
- PIPE BOLLARDS SHALL BE INSTALLED AT LOCATIONS SHOWN IN PLAN VIEW.
- THE FABRIC TYPE AND FINISH OF THE GATE, MATCH WITH PROPOSED FENCE OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING EQUIPMENT DURING INSTALLATION OF NEW GATE AND SHALL PROVIDE OPERATIONAL NEW GATE READY FOR FINAL ACCEPTANCE.

LOCATIONS, DETAILS AND CHARACTER OF EQUIPMENT SHOWN ON THIS SHEET IS GENERIC. EQUIPMENT LOCATIONS SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.

UL 235 COMPLIANCE NOTES

GATE INSTALLATION SHALL COMPLY WITH ALL REQUIREMENTS OF UL 235, INCLUDING, BUT NOT LIMITED TO:

- ALL OPENINGS OF THE SLIDE GATE ARE GUARDED OR SCREENED FROM THE BOTTOM OF THE GATE TO A MINIMUM OF 4 FEET ABOVE GROUND TO PREVENT A 2-1/4" DIAMETER SPHERE FROM PASSING THROUGH THE OPENINGS ANYWHERE IN THE GATE, AND IN THAT PORTION OF THE ADJACENT FENCE THAT THE GATE COVERS IN THE OPEN POSITION.
- ALL EXPOSED PINCH POINTS ARE ELIMINATED OR GUARDED AND GUARDING IS SUPPLIED FOR ALL EXPOSED ROLLERS.
- A WARNING SIGN (SEE DETAIL, THIS SHEET) MUST BE AFFIXED TO BOTH SIDES OF THE SLIDE GATE.
- FOR ADDITIONAL UL 235 REQUIREMENTS FOR THIS GATE INSTALLATION, SEE GATE OPERATOR DETAILS SHEET.



WARNING SIGN DETAIL

GENERAL WAYNE A. DOWNING  
 PEORIA INTERNATIONAL AIRPORT  
 CONSTRUCT NEW PERIMETER ROAD AND PERIMETER FENCE - PROJECT 3

**CMT**  
 CRAWFORD, MURPHY & TILLY, INC.  
 CONSULTING ENGINEERS  
 License No. 94-000913

**L. PROJECT: PIA-3865**  
**AIP PROJ 3-17-0080-XX**

FILE:	CANTILEVER GATE DETAILS 1
DESIGN BY:	TJH/SMS
DRAWN BY:	CMT
CHECKED BY:	CET
APPROVED BY:	CET
DATE:	02-13-2009
JOB No:	07061-04-00

**CANTILEVER GATE DETAILS SHEET 1 OF 2**

SHEET 72 OF 151 SHEETS