

NOMENCLATURE

- ① CANTILEVER GATE OPERATOR, CHAMBERLAIN LIFTMASTER MODEL SL575, 1/2 HP, 120V, SINGLE-PHASE, OR EQUIVALENT, SUITABLE FOR A MAXIMUM GATE WEIGHT OF 1200 LBS. SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ② INDALA WEATHERPROOF LONG RANGE CARD READER, OR EQUIVALENT. SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ③ DETECTOR LOOPS.
- ④ POLYMER CONCRETE HANDHOLE. HANDHOLE SHALL BE SOLID-BOTTOM DESIGN AND SHALL BE QUAZITE/HUBBELL #PG-2436-DA-42 WITH #PG-2436-HA-00-17 COVER, OR EQUIVALENT. HANDHOLES SHALL BE 24"W X 36"L X 42" DEEP. THE USE OF CHOPPED FIBERGLASS STRANDS, HIGH DENSITY POLYETHYLENE OR HIGH DENSITY POLYSTYRENE IS UNACCEPTABLE. PLASTIC AND/OR FIBERGLASS BOXES WILL NOT BE CONSIDERED AS ACCEPTABLE ALTERNATES FOR POLYMER CONCRETE HANDHOLES.
- ⑤ 6-CONDUCTOR #18 SHIELDED CABLE IN 1" CONDUIT. CONTRACTOR SHALL VERIFY WITH CARD READER SUPPLIER.
- ⑥ #10 GROUND FROM TELEPHONE LIGHTNING ARRESTOR. CONNECT TO GATE OPERATOR GROUND LUG.
- ⑦ TWO #12 THWN (120V), ONE #12 GROUND IN 3/4" CONDUIT TO EXISTING LIGHT FIXTURE. CONTRACTOR SHALL INTERCEPT AND CONNECT NEW CONDUIT TO EXISTING CONDUIT ENTERING LIGHT FIXTURE BASE. EXTEND NEW WIRING UP TO LIGHT FIXTURE OR TO FUSEHOLDER IF ONE IS PROVIDED IN POLE BASE.
- ⑧ WEATHERPROOF TELEPHONE, GAI-TRONICS 256-001, OR EQUIVALENT.
- ⑨ LOOP DETECTOR CABLES IN CONDUIT.
- ⑩ - TWO #12 THWN (120V), ONE #12 GROUND IN 3/4" CONDUIT. SPLICE TO FEEDERS FROM MAINTENANCE BUILDING OR HANGAR IN HANDHOLE.
 - 2/C #14 SHIELDED CABLE (GATE OPEN CONTROL FROM MAINTENANCE BUILDING OR HANGAR) IN 3/4" CONDUIT.
- ⑪ TELEPHONE CABLE IN CONDUIT. CONNECT TO SAME TELEPHONE LINE AS EXISTING TELEPHONE (TO BE REMOVED, SEE REMOVAL DETAILS).

GATE 16

- ⑫ - TWO #8 THWN (120V), ONE #10 GROUND IN 3/4" CONDUIT TO EXISTING MAINTENANCE BUILDING. AT MAINTENANCE BUILDING, INSTALL NEW WIRING IN EXISTING CONDUIT TO EXISTING PANELBOARD AND CONNECT TO EXISTING GATE OPERATOR CIRCUIT BREAKER.
 - TWO 6-CONDUCTOR #18 SHIELDED CABLES (CARD READERS), 2/C #14 SHIELDED CABLE (GATE OPERATOR CONTROL) IN 1-1/2" CONDUIT TO EXISTING MAINTENANCE BUILDING. AT MAINTENANCE BUILDING, INSTALL NEW CABLES IN EXISTING CONDUIT TO EXISTING ACCESS CONTROL SYSTEM.

GATE 17

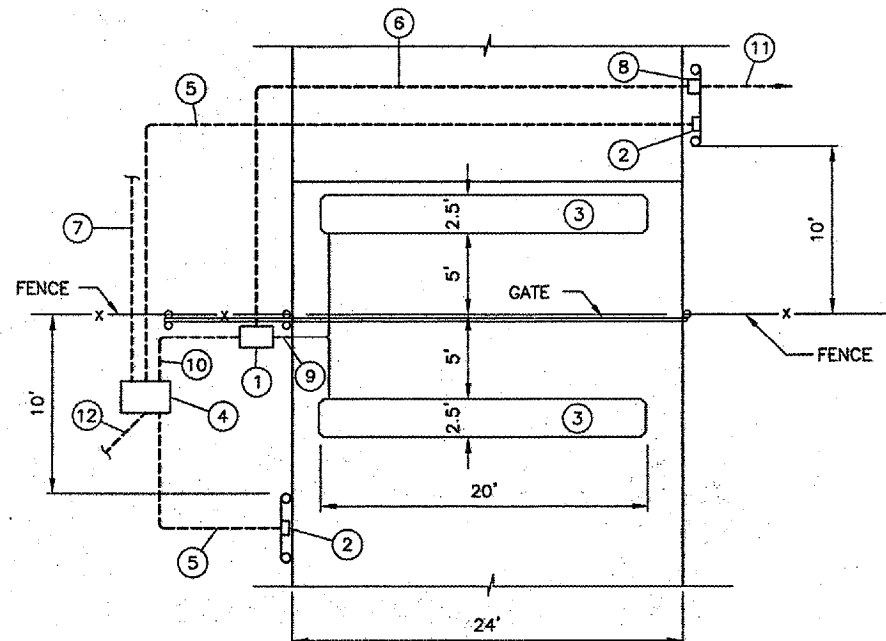
- ⑫ - TWO #8 THWN (120V), ONE #10 GROUND IN 3/4" CONDUIT TO EXISTING HANGAR. AT HANGAR, INSTALL NEW WIRING IN EXISTING CONDUIT TO EXISTING PANELBOARD AND CONNECT TO EXISTING GATE OPERATOR CIRCUIT BREAKER.
 - TWO 6-CONDUCTOR #18 SHIELDED CABLES (CARD READERS), 2/C #14 SHIELDED CABLE (GATE OPERATOR CONTROL) IN 1-1/2" CONDUIT TO NEW WIRELESS CARD READER INTERFACE PANEL IN EXISTING HANGAR.

GATE #21

- ⑫ - TWO #8 THWN (120V), ONE #10 GROUND IN 3/4" CONDUIT TO EXISTING T-HANGAR. AT T-HANGAR, INSTALL NEW WIRING IN EXISTING CONDUIT TO EXISTING PANELBOARD AND CONNECT TO EXISTING GATE OPERATOR CIRCUIT BREAKER.
 - TWO 6-CONDUCTOR #18 SHIELDED CABLES (CARD READERS), 2/C #14 SHIELDED CABLE (GATE OPERATOR CONTROL) IN 1-1/2" CONDUIT TO NEW WIRELESS CARD READER INTERFACE PANEL IN EXISTING HANGAR.

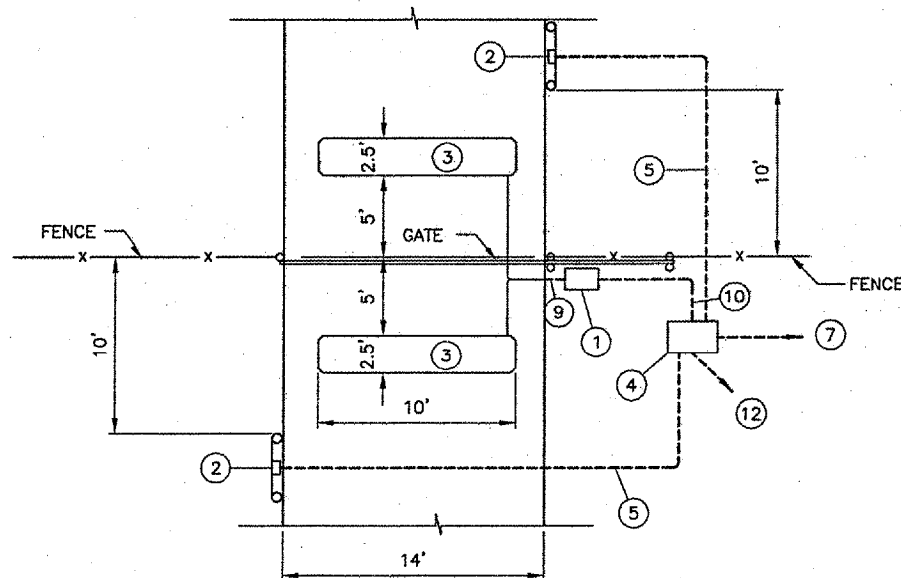
GATE #27

- ⑫ - TWO #8 THWN (120V), ONE #10 GROUND IN 3/4" CONDUIT. PUSH OR DIRECTIONAL BORE TO EXISTING T-HANGAR. AT T-HANGAR, INSTALL NEW WIRING IN EXISTING CONDUIT TO EXISTING PANELBOARD AND CONNECT TO EXISTING GATE OPERATOR CIRCUIT BREAKER.
 - TWO 6-CONDUCTOR #18 SHIELDED CABLES (CARD READERS), 2/C #14 SHIELDED CABLE (GATE OPERATOR CONTROL) IN 1-1/2" CONDUIT TO NEW WIRELESS CARD READER INTERFACE PANEL IN EXISTING HANGAR. PUSH OR DIRECTIONAL BORE UNDER EXISTING PAVEMENT.

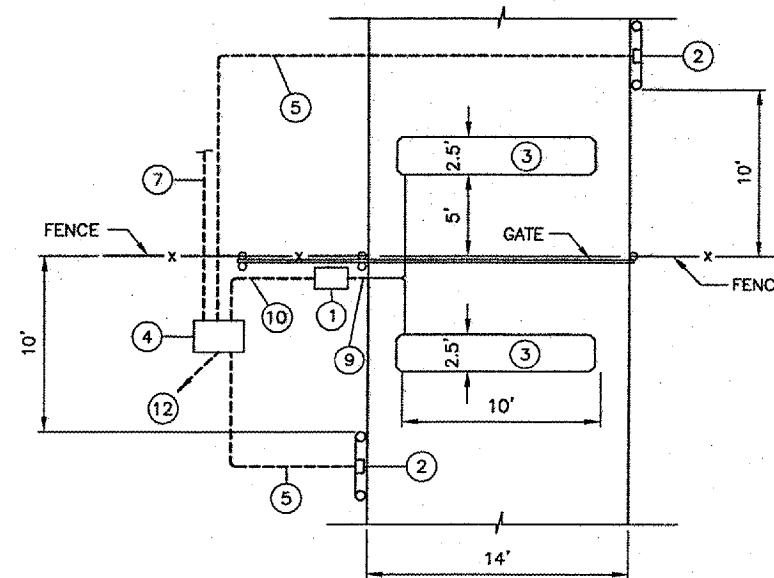


GATE NO. 16
N.T.S.

ALL SPLICES SHALL BE MADE USING TWIST-ON CONNECTORS PRE-FILLED WITH SILICONE-BASED SEALANT TO PROTECT AGAINST MOISTURE AND CORROSION.



GATE NO. 17
N.T.S.



GATE NO. 21 AND GATE NO. 27
N.T.S.

IMAGE FILES: avi-1661.tif
avi-1662.tif

REVISIONS

NUMBER	BY	DATE

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

BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS
 UPGRADE PERIMETER FENCE PHASE 1
 NEW ELECTRIC GATE DETAILS 1

© Copyright CMT, Inc.
CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY: CBG
 DRAWN BY: CMT
 CHECKED BY: *RLW*
 APPROVED BY: *RLW*
 DATE: 1/12/2007
 JOB No: 06085-03-00

ILLINOIS PROJECT BMI-3653
 A.I.P. PROJECT 3-17-0006-47