

INTERFACE - 1 3/4" SQ. BASE PLATE

GOOSENECK PEDESTAL DETAIL

GOOSENECK PEDESTAL SHALL BE AMERICAN ACCESS SYSTEMS, INC. (7079 SOUTH JORDAN RD., UNIT 6, ENGLEWOOD, CO. 80112, PHONE: 800-541-5677, FAX 303-799-9756) MODEL 18-001 OR APPROVED EQUAL.

CARD READER OR KEYPAD ACCESS ~ GOOSENECK PEDESTAL ANCHOR BOLTS PER MANUFACTURER RECOMMENDATION (TYPICAL FOR 4) FINISHED GRADE ADDITIONAL CONDUITS-TO PEDESTAL AS " GRSC TO GATE OPERATOR APPLICABLE CONCRETE PIER FOUNDATION, CONCRETE SHALL CONFORM TO ITEM 610 STRUCTURAL PORTLAND CEMENT CONCRETE

CARD READER/KEYPAD ACCESS CONTROL UNIT PEDESTAL ELEVATION DETAIL

SEE SPECIAL PROVISION SPECS FOR REQUIREMENTS ON CARD READER OR KEYPAD ACCESS CONTROL UNIT

ROUND TOP OF CONCRETE --- 6" Ø SCHEDULE 80 STEEL PIPE FILL WITH ITEM 610 PC CONCRETE, PAINTED YELLOW P P FINISHED GRADE -4" TOPSOIL AND SOD 18" CONCRETE **ENCASEMENT** NOTES

- THE EXPOSED PORTION OF THE BOLLARD SHALL BE PAINTED YELLOW EPOXY.
- 2. BOLLARD PAID AS ITEM ARBO0993 OR ITEM AS800993.

BOLLARD DETAIL

NOTES

- 1. SEE SPECIAL PROVISION SPECIFICATIONS FOR REQUIREMENTS ON GATE & GATE
- 2. ALL DIMENSIONS AND LAYOUT INFORMATION SHOWN SHOULD BE ADJUSTED AS RECOMMENDED BY THE MANUFACTURER.
- CONCRETE FOUNDATIONS SHALL BE PROVIDED FOR THE SLIDE GATE OPERATOR AND THE CARD READER CONTROL UNIT, FOUNDATION FOR THE GATE OPERATOR SHALL BE 48" (MIN.) IN OPETH AND OF THE SZE RECOMMENDED BY THE MANUFACTUREN. FOUNDATION FOR THE CARD READER ACCESS CONTROL UNIT SHALL BE 48" (MIN.) IN DEPTH, AS DETAILED HEREIN.
- 4. 1" CRS CONDUIT WILL BE REQUIRED BETWEEN THE SLIDE GATE OPERATOR AND THE CARD READER ACCESS CONTROL UNIT AND BETWEEN THE SLIDE GATE
 OPERATOR AND THE DETECTOR LOOPS. THE MINIMUM BURNING DEPTH IS 24".
 ALL METAL CONDUITS ENTERING THE GATE OPERATOR SHALL BE BONDED TO THE GATE OPERATOR FRAME WITH A #8 AWG (MIN.) COPPER BONDING JUMPER.
 CONFIRM CONTROL WIRING REQUIREMENTS WITH THE RESPECTIVE GATE OPERATOR SALES AND SERVICE REPRESENTATIVE
- 5. THE CUARD/BOLLARD POSTS SHALL BE 6" DIA. STEEL (HEAVY WALL) PIPE, CONCRETE FILLED, AND SHALL EXTEND FROM THE TOP OF THE CARD CONTROL UNIT TO A DEPTH OF 48" BELOW THE GROUND LINE. THE CONCRETE FOOTER DIMENSION SHALL BE AS DETAILED HEREIN. GUARD/BOLLARD POSTS SHALL BE
- 6. THE SLIDING GATE SHALL BE CANTILEVER TYPE OF THE SIZE CALLED FOR ON THE PLANS WITH AN ENCLOSED ROLLER ASSEMBLY WHICH IS PROTECTED FROM FREEZING RAIN AND SNOW, AND SHALL BE AS MANUFACTURED BY TYMETAL CORPORATION, OR APPROVED EQUAL.
- THE SLIDE GATE CPERATOR IS TO BE MOUNTED ON A STEEL PLATFORM LOCATED APPROXIMATELY 1"-6" ABOVE THE GROUND. WHERE STEEL PLATFORM IS NOT A STANDARD OPTION EXTEND THE FOOTING/FOUNDATION PAD APPROXIMATELY 8" ABOVE GRADE. SHOP DRAWINGS APPROVAL IS REQUIRED.
- CONTRACTOR SHALL PROVIDE VERIFICATION THAT THE PROPOSED GATE OPERATOR IS SUITABLE FOR USE WITH & PROPERLY SIZED FOR THE RESPECTIVE
- 9. INCLUDE LOW VOLTAGE LINE PROTECTOR FOR THE CARD READER ACCESS CONTROL LINET SUITABLE FOR USE ON THE RESPECTIVE CONTROL VOLTAGE SYSTEM, WITH SURGE CURRENT MAXIMUM RATING OF 3000 AMPS, LIFETIME PRODUCT REPLACEMENT WARRANTY AND AS RECOMMENDED BY THE KEYPAD ACCESS CONTROL UNIT MANUFACTURER'S REPRESENTATIVE.
- INCLUDE UL LISTED SECONDARY SURGE ARRESTER FOR THE GATE OPERATOR SUITABLE FOR USE ON 120/240 VAC, 1 PHASE, 3 WIRE PLUS GROUND SYSTEM, WITH SURGE CURRENT RATING OF 75 KA PER MODE, LIFETIME PRODUCT REPLACEMENT WARRANTY, AND AS RECOMMENDED BY THE GATE OPERATOR MANUFACTURER'S REPRESENTATIVE.
- INCLUDE LIGHTNING PROTECTION/SURGE ARRESTERS FOR THE DETECTOR AMPLIFIERS, AS RECOMMENDED BY THE MANUFACTURER.
- 12. CONCRETE USED FOR INSTALLING THE GATE OPERATOR, CARD READER, & FENCE SHALL MEET THE REQUIREMENTS OF STRUCTURAL PORTLAND CEMENT CONCRETE
- 13. AS PART OF THIS ITEM 125 CARDS AND 5 REMOTE TRANSMITTERS FOR TH GATE SHALL BE PROVIDED BY THE CONTRACTOR. COORDINATE PROGRAMMING OF CARDS & TRANSMITTER FREQUENCIES WITH THE AIRPORT MANAGER.
- 14. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE ELECTRIC GATE OPERATION, SLIDE GATE, & ALL ASSOCIATED POWER & CONTROL DEVICES ARE COMPATIBLE WITH EACH OTHER & SUITABLE FOR THE RESPECTIVE APPLICATION TO PROVIDE A COMPLETE AND PROPERLY OPERATIONAL ELECTRIC SLIDE GATE
- 15. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 (MOST CURRENT ISSUE IN FORCE), THE RESPECTIVE COURMENT ON THE MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES, AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE UL LISTING, ETL LISTING, (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.
- 15, PROVIDE A WEATHERPROOF ENGRAVED PHENOLIC OR PLASTIC LEGEND PLATE FOR THE SAFETY SWITCH AT THE RESPECTIVE GATE OPERATOR NOTING THE GATE SERVED, VOLTAGE, AND RESPECTIVE POWER SOURCE CIRCUIT AND LOCATION.
- COATINGS, BARBED WIRE, ETC., SEE FENCING DETAILS.
- 18. CONTRACTOR SHALL FURNISH TEMPORARY POWER SOURCE (PORTABLE GENERATOR), AS REQUIRED TO SETUP, ADJUST, AND TEST GATE OPERATION. SEE SPECIAL PROVISIONS.

ELECTRIC GATE PLAN AND DETAILS

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WAUKEGAN REGIONAL AIRPORT

CONSTRUCT NEW T-HANGAR

APRONS, TAXIWAYS AND

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DETAILS SHOWN ARE NOT TO SCALE

PROPOSED FENCE SEE READER UNIT FENCING PLAN AND DETAILS. (SEE DETAIL, TYP.) BEACH ROAD 5/8" DIA x 8' L UL LISTED COPPERCLAD GND ROD WITH #8 AWG BARE SOLID CU FROM FËNCE FABRIC TO GND ROD. CONNECTION TO GND ROD SHALL BE EXOTHERMIC WELD. CONNECTION TO FENCE SLIDE 30A, 1P, 240 VAC NEMA 3R/12 FABRIC SHALL BE WITH UL LISTED HEAVY DUTY FUSIBLE SAFETY SWITCH. PROVIDE STRUT SUPPORT AS BRONZE GROUND CONNECTORS WITH BRONZE OR STAINLESS STEEL NECESSARY. NOTE CONTROL CKT WIRING SHALL NOT BE ROUTED BOLTS & WASHERS. LOCATE GND RODS WITHIN 100 FT. OF EACH SIDE THROUGH THE DISCONNECT. INNER 100P HEAVY DUTY SLIDE ---GATE OPERATOR VEHICLE DETECTOR COPPERCLAD GND ROD WITH #6 AWC BARE STRANDED COPPER LOOPS (2 REQUIRED) GROUNDING ELECTRODE CONDUCTOR BONDED TO THE GATE OPERATOR ELECTRIC GATE POWER CABLES FRAME & EXOTHERMIC WELDED TO THE GND ROD. PROVIDE 1" SCHED 40 PVC CONDUIT ELBOW INTO GATE IN UNIT DUCT (BY OTHERS) OPERATOR FOUNDATION.

28' ELECTRIC GATE DETAIL