ALUMINUM HOOD

WELD

2" SS SCHEDULE 40 PIPE

48"

¼" SS

WELD
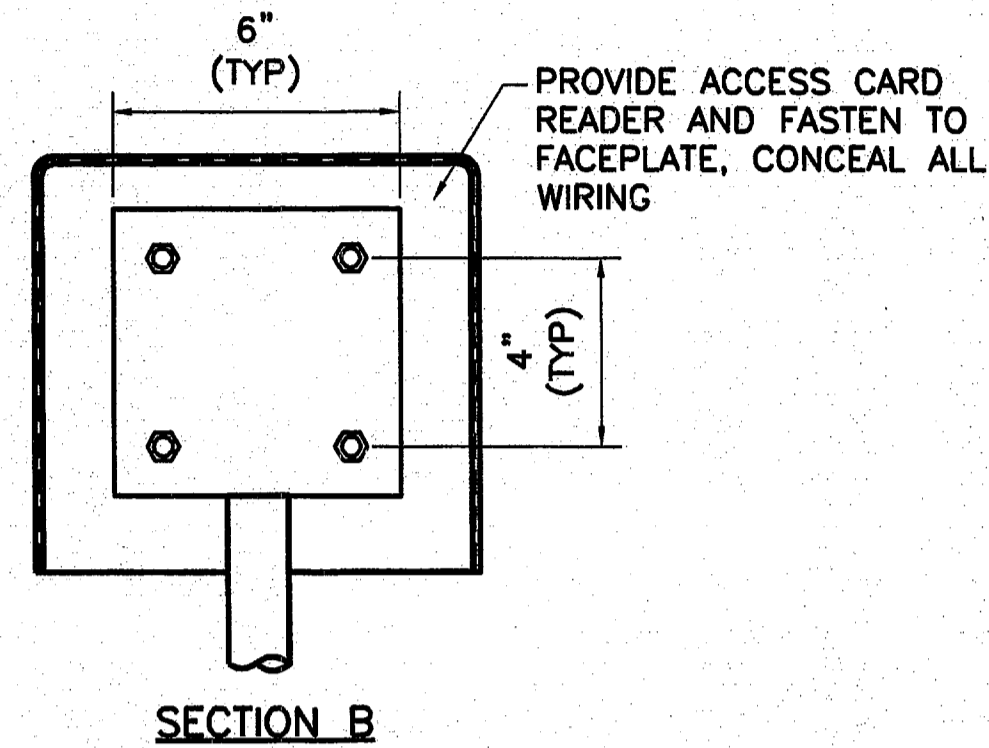
¼" SS

2 E-10 E-10

3 E-10 E-10

NO.1 GENERAL NOTES:
1. MOUNTING HARDWARE AND BOLTS SHALL BE STAINLESS STEEL.
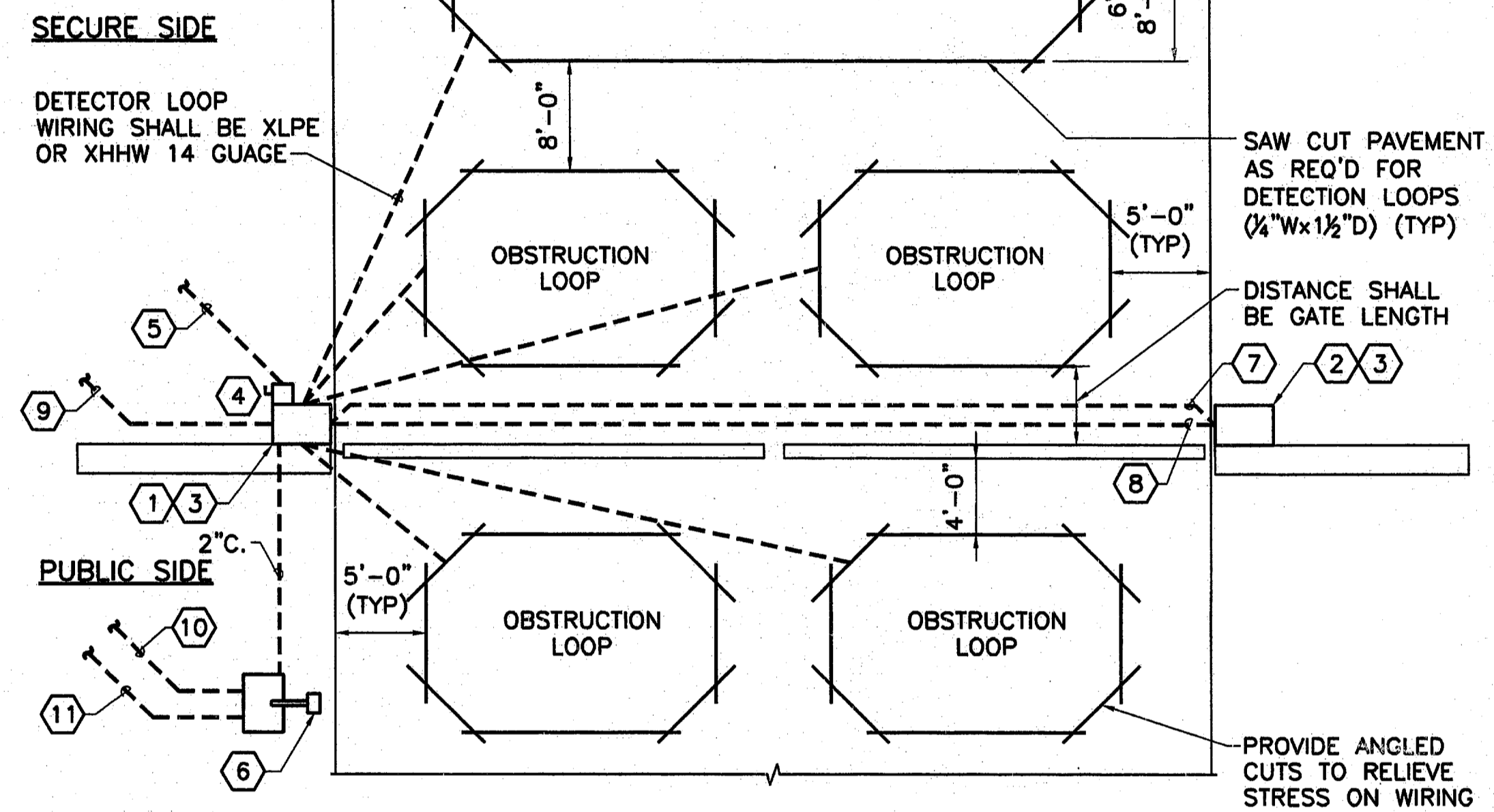
1 MOUNTING POST DETAIL
NOT TO SCALE

6" (TYP)

4" (TYP)

PROVIDE ACCESS CARD READER AND FASTEN TO FACEPLATE, CONCEAL ALL WIRING

SECTION B

NO.2 GENERAL NOTES:
1. MOUNTING HARDWARE AND BOLTS SHALL BE STAINLESS STEEL.

2 MOUNTING POST FACEPLATE DETAIL
NOT TO SCALE

6" (TYP)

4" (TYP)

SECTION A
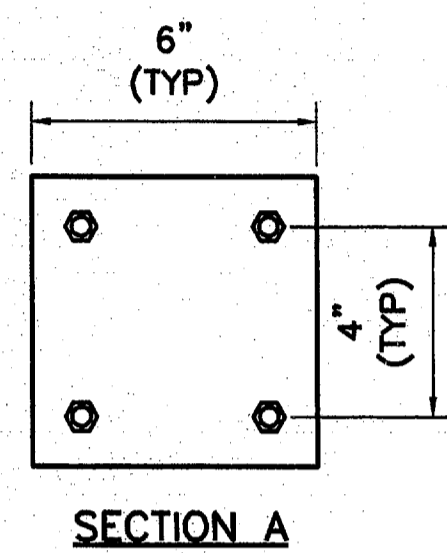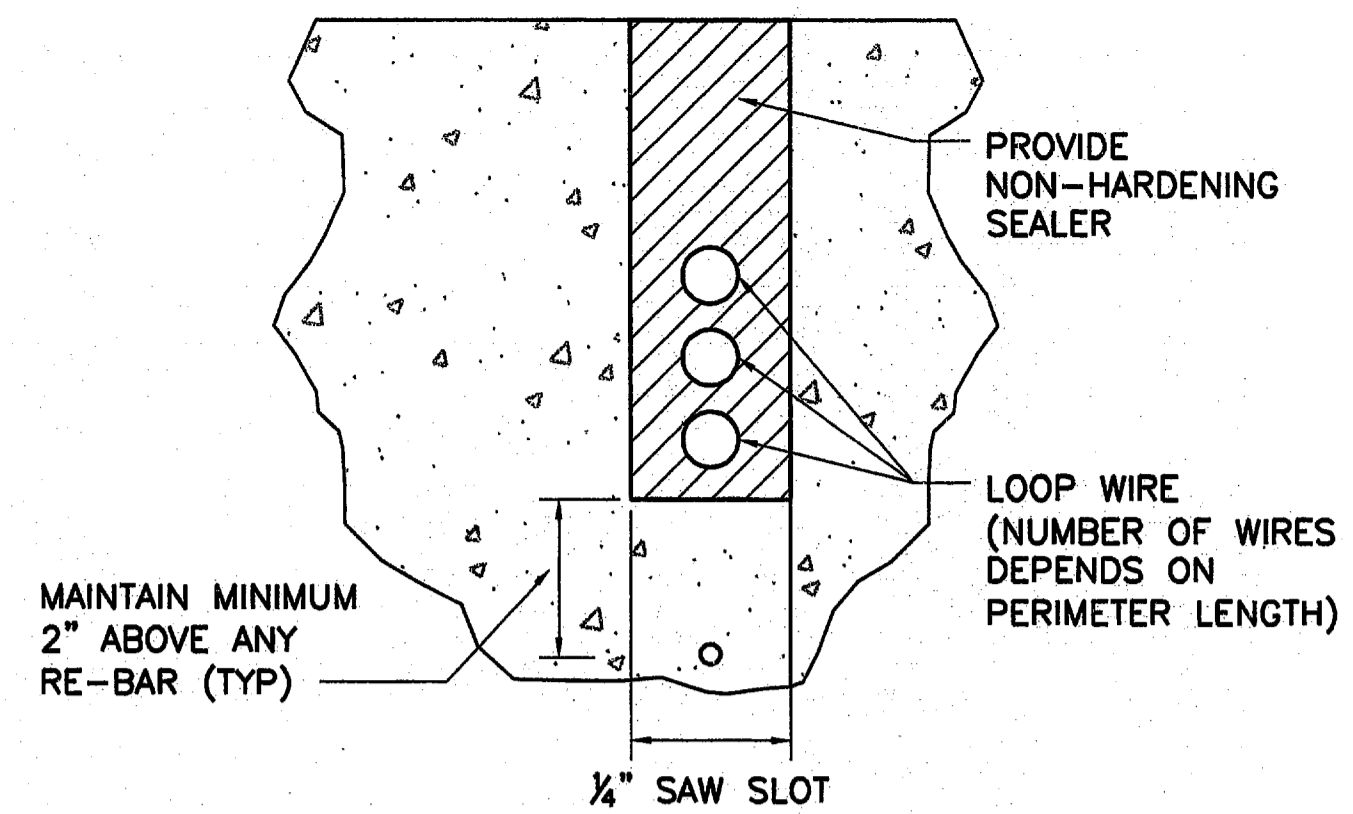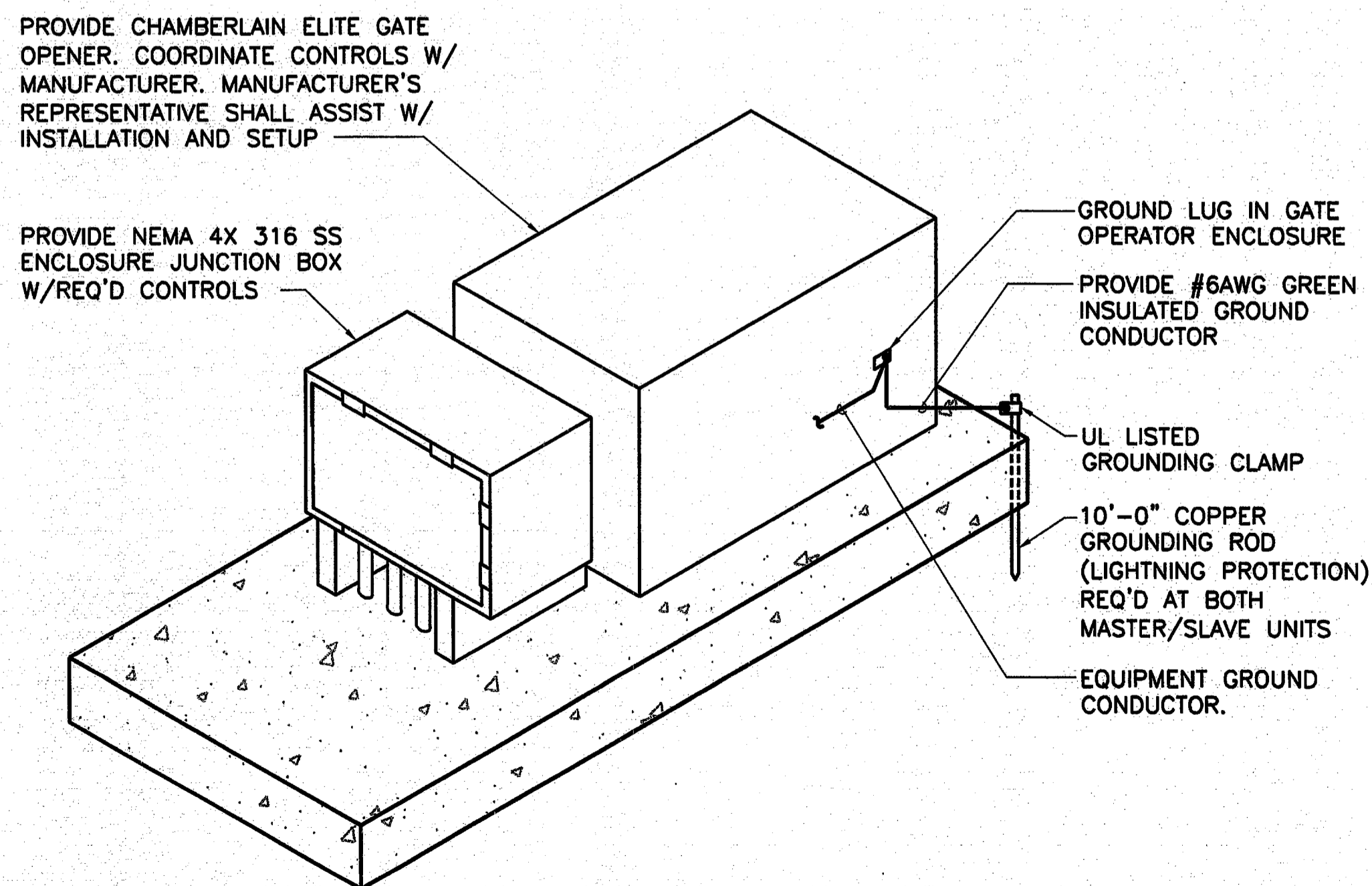
NO.3 GENERAL NOTES:
1. MOUNTING HARDWARE AND BOLTS SHALL BE STAINLESS STEEL.

3 MOUNTING POST BASEPLATE DETAIL
NOT TO SCALE

PROVIDE CHAMBERLAIN ELITE GATE OPENER. COORDINATE CONTROLS W/ MANUFACTURER. MANUFACTURER'S REPRESENTATIVE SHALL ASSIST W/ INSTALLATION AND SETUP

PROVIDE NEMA 4X 316 SS ENCLOSURE JUNCTION BOX W/REQ'D CONTROLS

GROUND LUG IN GATE OPERATOR ENCLOSURE

PROVIDE #6AWG GREEN INSULATED GROUND CONDUCTOR

UL LISTED GROUNDING CLAMP

10'-0" COPPER GROUNDING ROD (LIGHTNING PROTECTION) REQ'D AT BOTH MASTER/SLAVE UNITS

EQUIPMENT GROUND CONDUCTOR.

4 SLIDE GATE OPERATOR
NOT TO SCALE

PROVIDE NON-HARDENING SEALER

LOOP WIRE (NUMBER OF WIRES DEPENDS ON PERIMETER LENGTH)

MAINTAIN MINIMUM 2" ABOVE ANY RE-BAR (TYP)

¼" SAW SLOT

SECURE SIDE

DETECTOR LOOP WIRING SHALL BE XLPE OR XHHW 14 GUAGE

FREE EXIT LOOP

6'-0" TO 8'-0" (TYP)

8'-0"

OBSTRUCTION LOOP

OBSTRUCTION LOOP

5'-0" (TYP)

SAW CUT PAVEMENT AS REQ'D FOR DETECTION LOOPS (¼"W×1½"D) (TYP)

DISTANCE SHALL BE GATE LENGTH

PUBLIC SIDE

5'-0" (TYP)

4'-0"

OBSTRUCTION LOOP

OBSTRUCTION LOOP

2"C.

PROVIDE ANGLED CUTS TO RELIEVE STRESS ON WIRING

NO.5 GENERAL NOTES:
1. DESIGN IS BASED ON A SWING GATE OPERATOR. THE SLAVE GATE OPERATOR OPERATES OFF ELECTRIC CONTROL EXTENDED FROM THE MASTER GATE OPERATOR AND THEREFORE THE POWER FEED (120V, 1∅, 60HZ) IS REQUIRED ONLY AT THE MASTER GATE CONTROLLER.
2. PROVIDE AND INSTALL CONTROL WIRING AND POWER AND CONTROL CONDUCTORS FROM MASTER GATE CONTROLLER TO SLAVE GATE OPERATOR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. REFER TO CIVIL PLANS FOR SIZE/LOCATION OF GATE CONTROLLER, BOLLARDS, GATES, FENCES, ETC.
4. THIS DETAIL IS SCHEMATIC IN NATURE AND IS INTENDED TO ILLUSTRATE MAJOR COMPONENTS AND WORK NECESSARY FOR SUCCESSFUL OPERATION OF THE GATE CONTROL SYSTEM. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
5. POLARITIES MUST BE THE SAME ON THE DETECTOR LOOPS OR THE ELECTRIC FIELDS WILL INTERFERE WITH EACH OTHER.

NO.5 NOTES BY SYMBOL "⬡":
1. GATE OPERATOR (MASTER).
2. GATE OPERATOR (SLAVE).
3. PROVIDE CONCRETE BASE FOR GATE OPERATOR. LOCATE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. POWER FEED FOR GATE CONTROLLER. PROVIDE 30A/1P/NF DISCONNECT SWITCH IN NEMA 4X STAINLESS STEEL ENCLOSURE.
5. TYPICAL POWER FEED FOR GATE CONTROLLER.
6. PROVIDE ELECTRONIC GATE CONTROL CARD READER.
7. PROVIDE MINIMUM 2" CONDUIT BETWEEN MASTER/SLAVE OPERATOR FOR POWER.
8. PROVIDE 1" CONDUIT WITH CONTROL WIRING (3PR. #18 SHLD.) AND MAKE ALL TERMINATIONS. PROVIDE ADDITIONAL 1" SPARE CONDUIT BETWEEN OPERATORS.
9. PROVIDE 1" CONDUIT FROM MASTER GATE OPERATOR TO SECURITY CONTROL PANEL.
10. PROVIDE 1" CONDUIT FROM MOUNTING POST TO LOCATION IN SECURITY CONTROL PANEL AS IDENTIFIED BY OWNER. PROVIDE COMMUNICATION CABLING IN CONDUIT PER MANUFACTURER'S RECOMMENDATIONS. MAKE ALL TERMINATIONS AS REQUIRED.
11. PROVIDE 120V POWER TO MOUNTING POST FOR CONTROL SYSTEM.

5 GATE CONTROLLER DETAIL
NOT TO SCALE

TOWN OF ADDISON, TEXAS
SURVEYOR 1.5 MG EST
ELECTRICAL
DETAILS

F&N JOB NO. ADD08459
DATE 01/18/11
DESIGNED JWM
DRAWN JAF
REVISED
CHECKED JNH
FILE NAME EL-ADD-DT-MISC03.dwg

VERIFY SCALE
Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

SHEET
E-10

SEQ.