-GALVANIZED U-BOLTS 12" YELLOW FLASHER BEACONS-SIGN, S5-1

THE BOTTOM HEIGHT OF THE LOWER SIGNAL FACE HOUSING SHALL NOT BE LESS THAN 17 FEET ABOVE THE PAVEMENT GRADE OF THE CENTER OF THE ROADWAY. THE TOP HEIGHT OF THE UPPER SIGNAL FACE HOUSING SHALL NOT BE MORE THAN 26 FEET ABOVE THE PAVEMENT GRADE OF THE CENTER OF THE ROADWAY.

> SHALL BE UL RATED FOR COMMERCIAL USE DISCONNECTS (SAFETY SWITCH) AND METER BASE SHALL BE ALUMINUM ENCLOSURE. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALCULATED THE MAXIMUM AVAILABLE FAULT CURRENT FOR THE SERVICE EQUIPMENT THAT IS INSTALLED. THE CONTRACTOR SHALL SUPPLY A STICKER THAT WILL BE INSTALLED IN THE DISCONNECT WITH THE SYMMETRICAL RMS AMPERES AND THE DATE THAT THIS FAULT CURRENT IS CALCULATED. THE STICKER

DISCONNECTS (SAFETY SWITCH) AND METER BASE

SHALL BE 4" LONG AND 4" WIDE AND BE METALCRAFT PLY425 PREM STYLEMARK LABEL (OR APPROVED EQUAL) WITH .007 THICKNESS. WITH UV WHITE POLYCARBONATE MATERIAL, AND WITH MC778 PRESSURE SENSITIVE ADHESIVE OR APPROVED EQUAL.

SCHOOL FLASHER SPAN DETAIL

S5-1

24" X 48" or 36" X 72"

(see Special Note for size)

.125 GA. ALUM

**SCHOOL** Type XI - Fluorescent Yellow-Green **SPEED** Type XI - White **WHEN FLASHING** 

## GROUNDING REQUIREMENTS:

CONTRACTOR SHALL PROVIDE A MINIMUM OF 6 INCHES OF GROUND WIRE FOR TESTING PRIOR TO CONNECTING THE WIRE TO ANY DISCONNECT, CABINET OR POLE.

SPECIAL NOTE:

LEAVE TOP OF GROUND RODS EXPOSED FOR ELECTRICAL INSPECTION.

SERVICE GROUND - GROUND WIRE SHALL COME FROM THE GROUND ROD THROUGH THE PVC CONDUIT, CONNECTING TO THE DISCONNECT AND THEN TO EACH RIGID STEEL (R S) GROUNDING BUSHING. IF GROUND WIRE IS RUN ON THE INSIDE OF THE POLE, RUBBER GROMMETS SHALL BE PROVIDED AT DISCONNECT AND POLE CUT OUTS. THEY SHALL BE INCIDENTAL TO BID ITEM "24526ED".

CABINET GROUND - GROUND WIRE SHALL COME FROM THE GROUND ROD THROUGH THE PVC CONDUIT, CONNECTING TO THE CABINET GROUND BUS AND THEN TO EACH R S GROUNDING BUSHING.

ALL CONDUITS USED FOR THE TELEPHONE, GROUNDING, AND SERVICE (INCLUDING FLEX CONDUIT IF IT IS RUN INSIDE THE POLE) THAT ARE INSTALLED ON THE POLE CABINET ARE INCIDENTAL TO BID ITEM "24526ED". THIS INCLUDES PROVIDING A MINIMUM OF 24 INCHES OF CONDUIT PAST THE EDGE OF THE CONCRETE PAD.

SPECIAL NOTE FOR THE DISCONNECT: ONLY CONNECT ONE SIDE OF THE 120 VOLT IN THE DISCONNECT. THE OTHER SIDE OF THE 120 VOLT SHALL STILL BE INSTALL IN METER BUT NOT FEED DOWN TO THE DISCONNECT. FURNISH A SHOCK HAZARD WARNING STICKER ON DISCONNECT WITH THE FOLLOWING INFORMATION: VOLTAGE (120 VOLT) GLOVE CLASS (0) LIMITED APPROACH BOUNDARY (42 IN) RESTRICTED APPROACH BOUNDARY (CONTACT) SEE NFPA 70E FOR ADDITIONAL PPE REQUIRED

SERVICE POLE WITH METER BASE AND SERVICE DISCONNECT (SEE SECTION 835 OF THE STANDARD SPECIFICATIONS FOR ROAD AND 3-#6 STRANDED BRIDGE CONSTRUCTION) FOR SERVICE CONDUIT STRAP (TYP.) 48" O.C. - MOUNTING STRAP - GROUNDING BUSHING - MOUNTING BRACKET (TYP.) - LOCKNUT (TYP) (BOTH SIDES)  $1 \frac{1}{4}$ " RIGID STEEL R S CABINET HOUSING CONDUIT FOR WIRING TO SCHOOL FLASHERS 3/4" SCHEDULE 80 PVC -CONDUIT FOR GROUNDING CONDUCTOR R S CONDUIT 3/4" R S CONDUIT FOR SERVICE CONDUCTORS LOCKNUT (TYP) -BUSHING POLE WALL R S CONDUIT EXTERIOR CONDUIT MAY BE -USED FOR EITHER OR BOTH OF THE FOLLOWING CONDITIONS: Δ · || FOR EXTERIOR SERVICE GROUNDING (OPTIONAL), USE 3/4" SCHEDULE 80 PVC 1-  $\frac{1}{4}$ " (MIN.) R S CONDUITS FOR , 11 \* H SIGNAL WIRES. CONTRACTOR П SHALL MODIFY SIZE/OUANTITY FOR UNDERGROUND SERVICE 41 FEEDS, USE 3/4" R S CONDUIT TO METER BASE ON EXTERIOR COMPLY WITH NEC REQUIREMENTS أام OF POLE SEE POLE BASE DETAIL SHEET

STEEL POLE MOUNT ENCLOSURE

Special Note:

Size of sign shall be noted on the plan sheet.

36" X 72" for four or more lanes with normal posted speed of 40 mph or greater. 24" X 48" for all other conditions.

10/6/2025

SPAN MOUNTED SCHOOL FLASHER DETAIL

SHEET NO.

ITEM NO.

COUNTY OF