



SCHOOL FLASHER SPAN DETAIL

12" YELLOW FLASHER BEACONS

GALVANIZED U-BOLTS

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.

17' -19'



Type XI - Fluorescent Yellow-Green

Type XI - WHITE

S5-1  
24" X 48" or 36" X 72"  
(see Special Note for size)  
.125 GA. ALUM

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.

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.

NOTES:

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.

LOCKNUT (TYP)  
(BOTH SIDES)

BUSHING  
AND LUG

POLE WALL

RS CONDUIT

MOUNTED PER  
MANUFACTURER  
RECOMMENDATION.  
USUALLY WILL  
BE ANGLED AND  
POINTED TO THE  
SOUTH

MOUNTING STRAP  
(TYP.)

MOUNTING BRACKET  
(TYP.)

GROUNDING BUSHING

LOCKNUT (TYP)  
(BOTH SIDES)

CABINET HOUSING

RS CONDUIT

3/4" SCHEDULE 80 PVC CONDUIT (GROUNDING)

55"

1- 1/4" (MIN.) R S CONDUITS FOR  
SIGNAL WIRES. CONTRACTOR  
SHALL MODIFY SIZE/QUANTITY  
OF CONDUITS IN ORDER TO  
COMPLY WITH NEC REQUIREMENTS

SEE POLE BASE DETAIL SHEET  
FOR GROUNDING DETAILS

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.

9/8/2025

SPAN MOUNTED SCHOOL FLASHER DETAIL