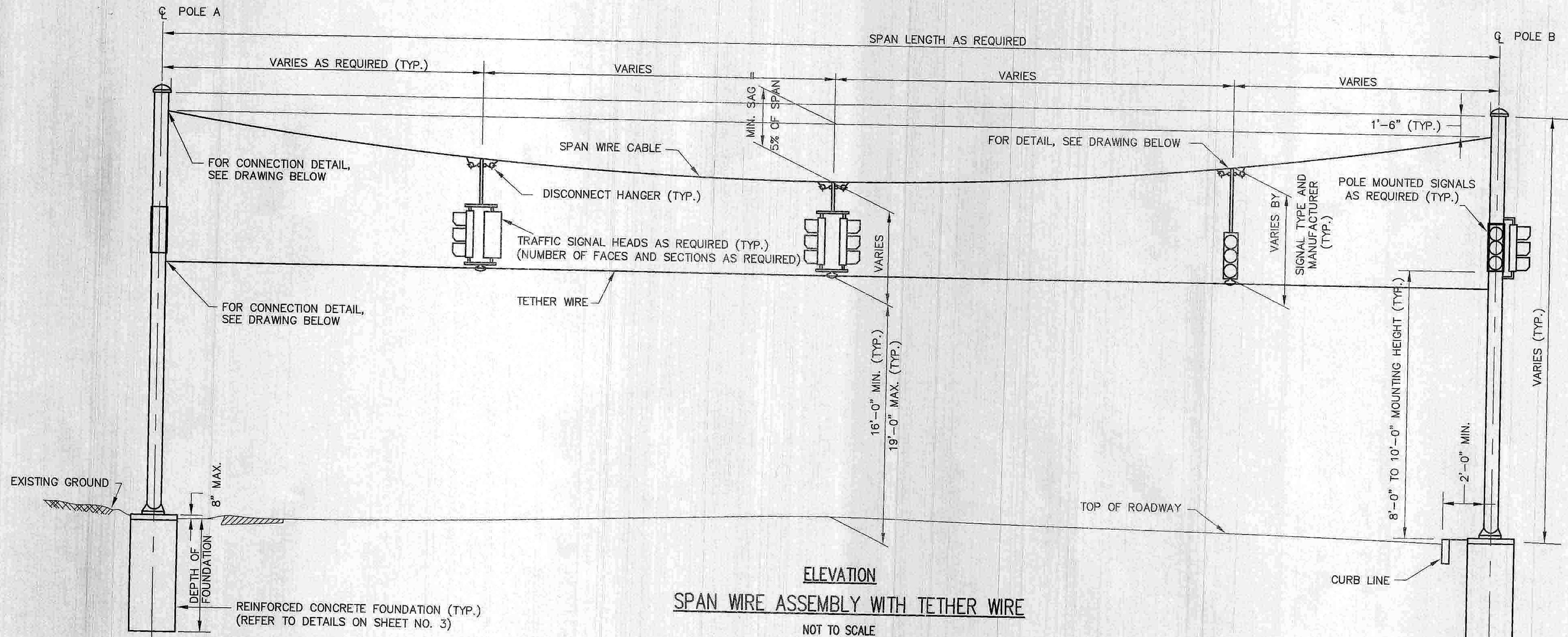
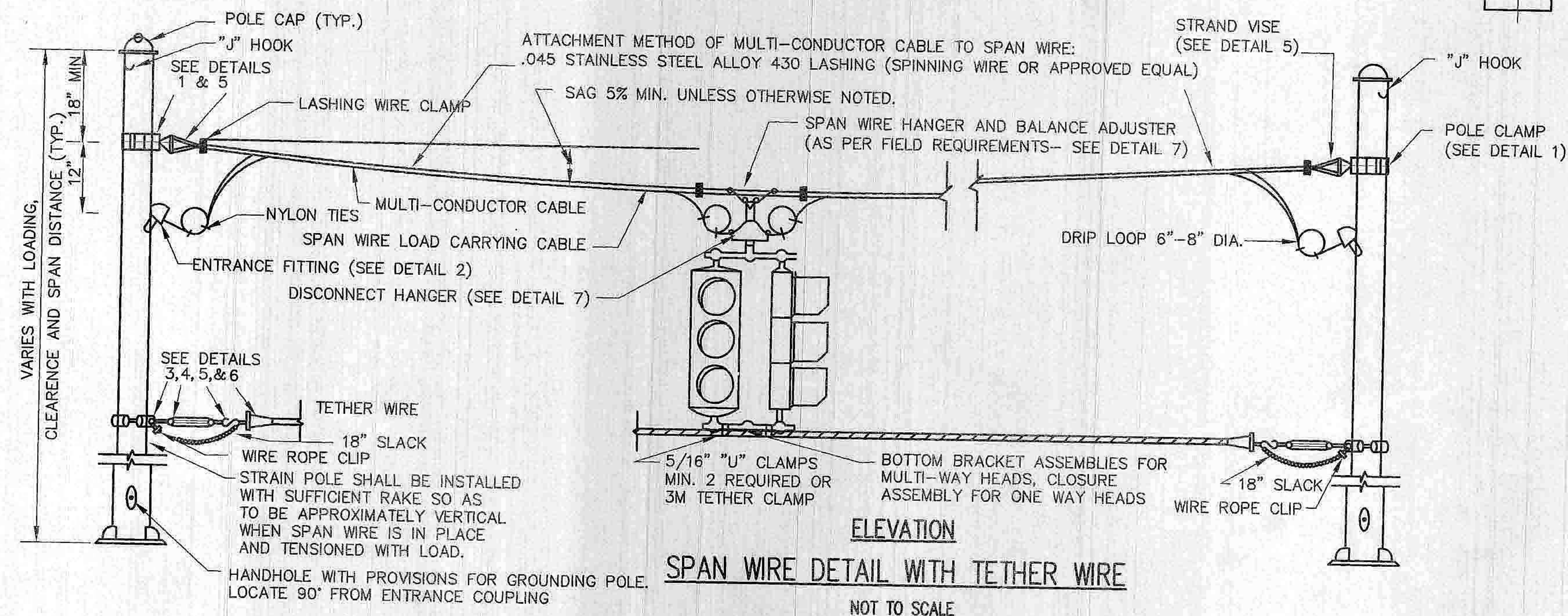
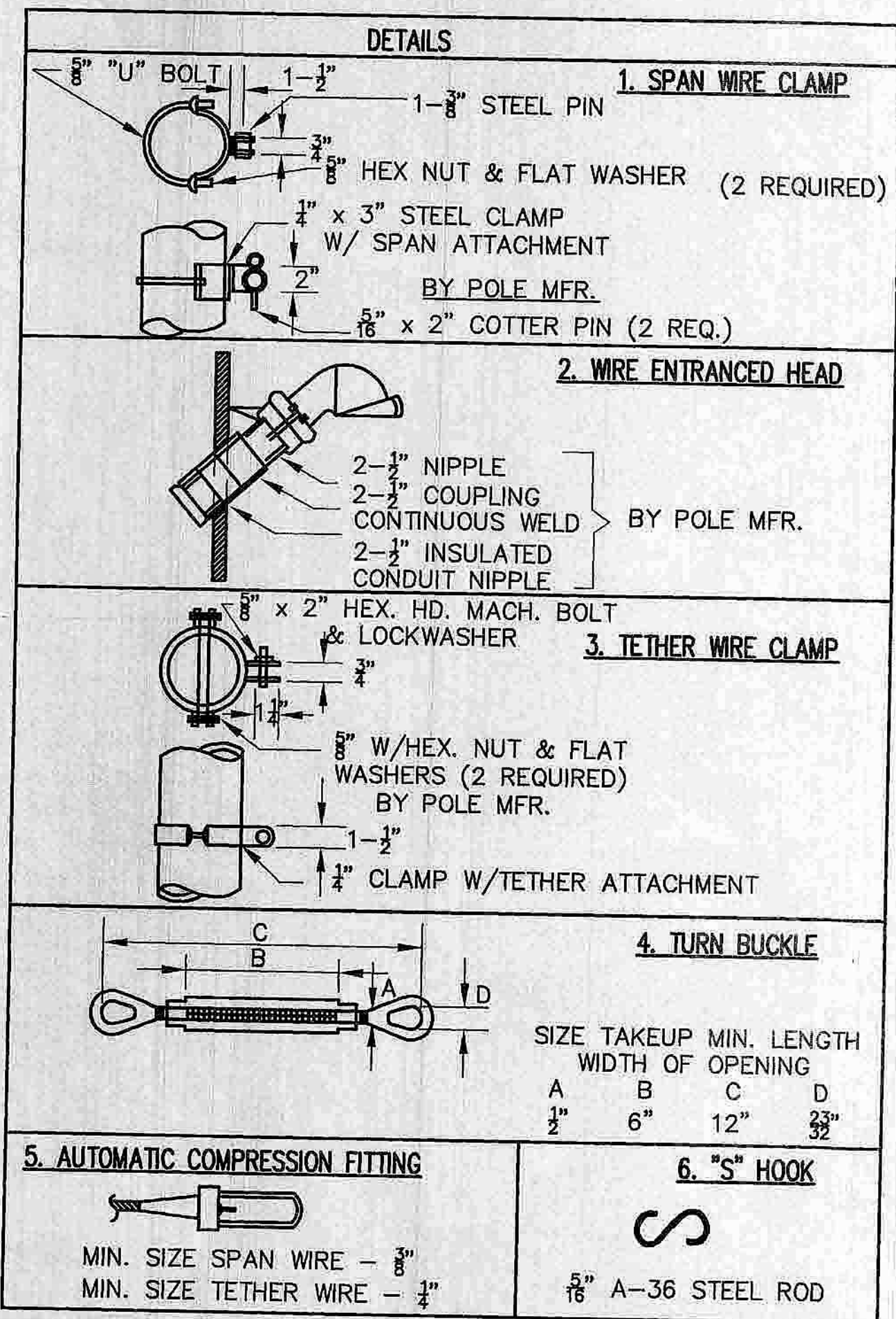


STATE	FED.AID PROJ.NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.		09	34	51
PROJECT FILE NO.			601312	

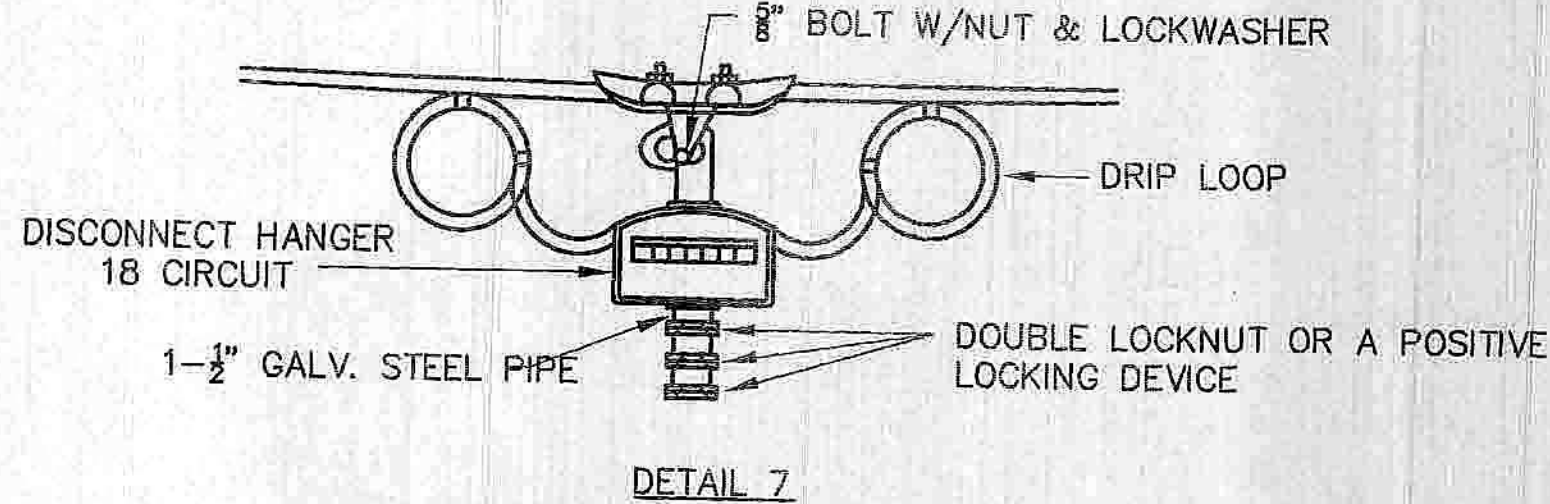
DETAILS — 8



ELEVATION
SPAN WIRE ASSEMBLY WITH TETHER WIRE
NOT TO SCALE



ELEVATION
SPAN WIRE DETAIL WITH TETHER WIRE
NOT TO SCALE



TETHER WIRE
THE TETHER WIRE CABLE SHALL BE NOT LESS THAN 1/2" DIA., SEVEN WIRE, STEEL STRAND CABLE CONFORMING TO A.S.T.M. A475, ZINC COATED STEEL WIRE STRAND.

SPAN WIRE LOAD CARRYING CABLE
THE SPAN WIRE LOAD CARRYING CABLE SHALL BE NOT LESS THAN 3/8" DIA., SEVEN WIRE, STEEL STRAND CABLE CONFORMING TO ASTM A475, CLASS A, EXTRA HIGH STRENGTH (MIN. BREAKING STRENGTH 15,400 LBS.) ZINC COATED STEEL WIRE STRAND. THE SPAN WIRE MUST BE DESIGNED AND CHECKED FOR LOAD CAPACITY FOR EACH APPLICATION.

GENERAL NOTES:

- POLES SHALL NOT BE INSTALLED AND SIGNAL HEADS SHALL NOT BE HUNG UNTIL 28 DAYS AFTER CONCRETE FOUNDATION HAS BEEN PLACED UNLESS OTHERWISE SPECIFIED BY THE ENGINEER IN CHARGE.
- THE ROADSIDE FACE OF ALL NEW SIGNAL POLES SHALL BE INSTALLED A MINIMUM OF 42 INCHES FROM THE FACE OF CURB.
- ALL EXPOSED CORNERS AND EDGES OF FOUNDATIONS WHICH PROTRUDE ABOVE THE ADJACENT GROUND SHALL BE CHAMFERED OR ROUNDED TO PREVENT SHARP CORNERS OR EDGES.
- POLES SHALL BE HOT DIP GALVANIZED TO A.S.T.M. DESIGNATION A123. ACCESSORIES SHALL BE HOT DIP GALVANIZED TO A.S.T.M. DESIGNATION A153.
- SIGNAL HEAD WEIGHT SHALL INCLUDE CABLE CLAMPS, UNIVERSAL JOINT, BALANCE ADJUSTER, DISCONNECT HANGER AND SIGNAL BRACKETS.
- ALL APPURTENANCES TO BE MOUNTED ON POLES SHALL BE FASTENED IN THE MANNER RECOMMENDED BY THE MANUFACTURER.
- MA (FOR MASSACHUSETTS), THE HEIGHT OF POLE, THE RAKE OF POLE, THE MANUFACTURER AND THE POLE ID NUMBER SHALL BE ETCHED ON THE OUTSIDE WALL APPROXIMATELY 2 FEET ABOVE THE FOUNDATION. THE LETTERS SHALL BE 1/2" IN SIZE.
- THE BOTTOM OF ALL SIGNAL HEADS SHALL BE MOUNTED AT THE SAME ELEVATION WITH HANGERS VARYING IN LENGTH AS REQUIRED.
- ATTACHMENT POLE CLAMPS TO BE DESIGNED BY THE MANUFACTURER.
- STRAIN POLES SHALL BE INSTALLED WITH SUFFICIENT RAKE SO AS TO BE APPROXIMATELY VERTICAL WHEN SPAN WIRE IS IN PLACE AND TENSIONED WITH LOAD.

COMMONWEALTH OF MASSACHUSETTS
HIGHWAY DEPARTMENT
STANDARD DRAWINGS
SPAN WIRE ASSEMBLY
WITH TETHER WIRE

REVISED DATE
TRAFFIC ENGINEER
DIRECTOR BTP & D
BRIDGE ENGINEER
CHIEF ENGINEER