

NOTES:

ANCHOR BOLTS SHALL NOT PROTRUDE MORE THAN 1.5" ABOVE THE TOP OF THE FOUNDATION. ANCHOR BOLT DIMENSIONS SHALL BE AS SPECIFIED BY THE CABINET MANUFACTURER.

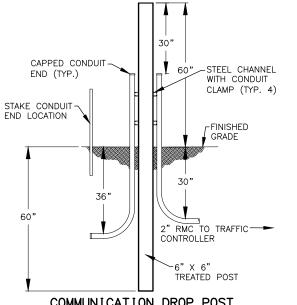
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PROJECT DESIGNATION

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- SEAL UNUSED CONDUIT STUBS WITH WATERTIGHT CAPS. SEAL STUBS CARRYING CONDUCTORS WITH WATERTIGHT SEALING BUSHINGS DESIGNED TO SEAL AROUND CONDUCTORS AND AGAINST THE CONDUIT
- ROUTE THE FIVE FOOT COPPER BONDING JUMPER THROUGH THE 2" PIPE NIPPLE AND ATTACH IT TO THE GROUNDING BUSHING ON THE FEEDER CONDUIT.
- STOP HORIZONTAL & VERTICAL STEEL AT THE BLOCK-OUT PANELS & THE JOINT USING 90 DEGREE HOOKS. USE 2 EXTRA #4 HORIZONTAL & VERTICAL BARS. ALL SIDES AS SHOWN.
- INSTALL TRAFFIC CONTROLLER CABINET FOUNDATION WITHIN 1-DEGREE OF PLUMB AND ORIENTED AS SHOWN IN PLANS SUCH THAT CABINET DOOR OPENS AWAY FROM INTERSECTION/TRAFFIC.
- INSTALL #6 AWG COPPER GROUNDING ELECTRODE CONDUCTOR (GEC), OR SIZE PER NEC TABLE 250.66, WHICHEVER IS LARGER.
- THE REINFORCING BARS WITHIN THE CONCRETE FOUNDATION MUST BE CONNECTED TOGETHER BY EFFECTIVE MEANS AND WILL BECOME PART OF THE GROUNDING ELECTRODE SYSTEM PER NEC 250.50 AND 250.52(A)(3). INSTALL AN IRREVERSIBLE COMPRESSION GROUNDING CONNECTOR, NRTL-LISTED FOR DIRECT BURIAL IN EARTH AND CONCRETE, TO CONNECT THE REINFORCING BARS TO THE GEC. INSTALL A COPPER GEC, SIZED PER NEC 250.66 BUT NOT SMALLER THAN #4 AWG, BETWEEN THE COMPRESSION CONNECTOR AND THE CONTROLLER CABINET GROUND BUS.
- WHEN COMMUNICATION DROP POST IS CALLED FOR IN THE PLANS INSTALL A COMMERCIALLY TREATED 6" X 6" WOOD POST WITHIN 5' OF THE TRAFFIC CONTROLLER AND INSTALL CONDUIT AS SHOWN. STAKE THE LOCATION OF THE BURIED CONDUIT END TO BE USED BY

MATERIAL PROPERTIES		
CONCRETE	CLASS A	F'c = 4000 psi
REINFORCING STEEL	AASHTO M31 GRADE 60	Fy = 60 ksi
CONDUIT	RMC	
BONDING JUMPERS	3M 25T-BBE6 OR EQUAL	



COMMUNICATION DROP POST



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

PROJECT TITLE PROJECT TITLE

TS2 CONTROLLER CABINET FOUNDATION DETAILS