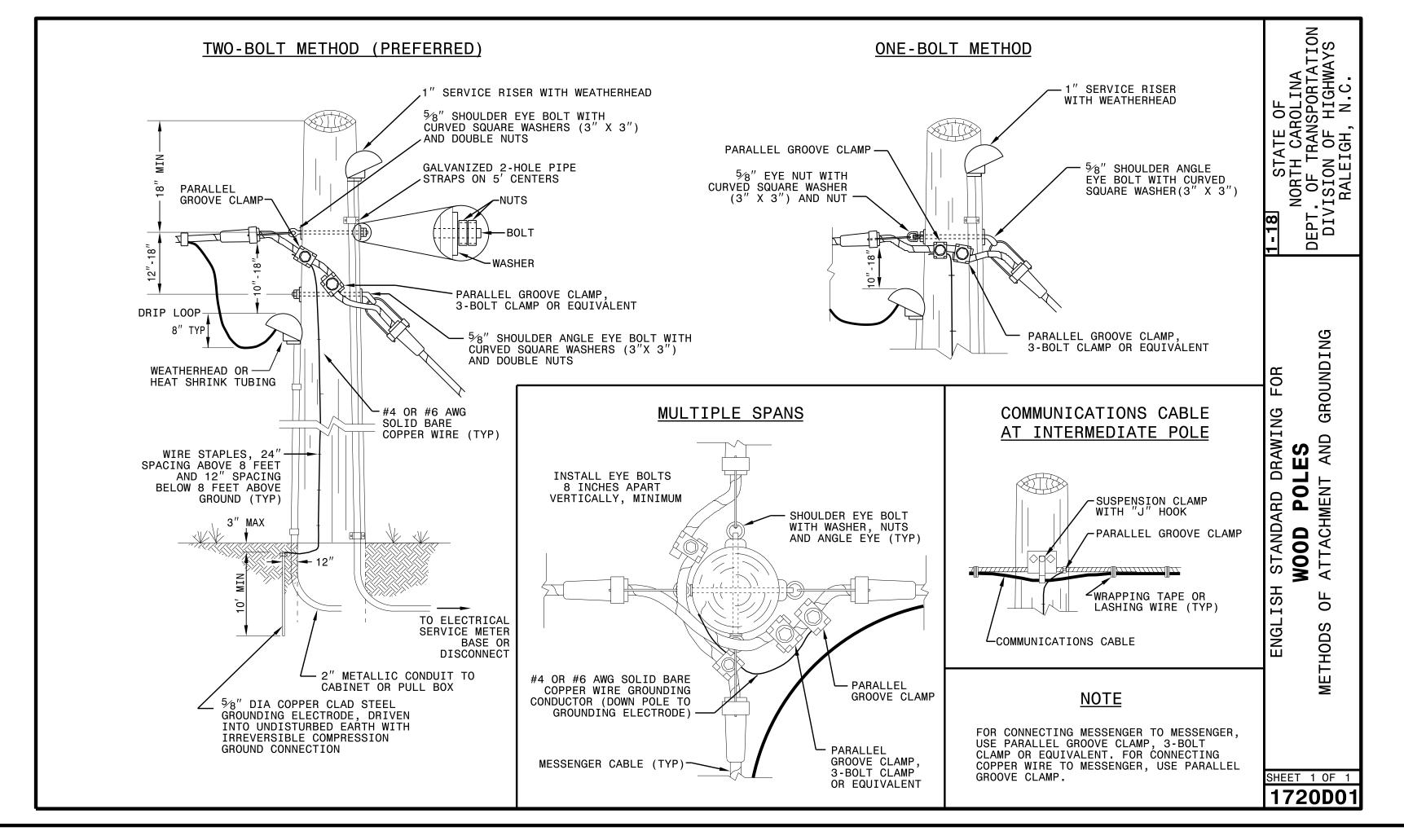
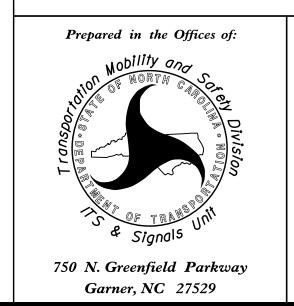
1-18 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C. MESSENGER CABLE\_ CONDUCTOR TO POWER GROUNDING CONNECTION SYSTEM POLE GROUND METER BASE CONNECTION LOCK NUT #8 AWG MIN #8 AWG MIN STRANDED COPPER (BLACK) STRANDED COPPER (WHITE) SERVICE DISCONNECT 120 V SINGLE POLE BREAKER - NEUTRAL BUS MAIN BONDING SCREW #8 AWG MIN \_ STRANDED COPPER (WHITE) #6 AWG MIN GREEN INSULATED TRICAL SERVICE GROUNDING
GROUNDING AND BONDING #8 AWG MIN STRANDED COPPER (BLACK) STRANDED COPPER WIRE GROUNDING/BONDING BUSHING-#4 AWG SOLID BARE - COPPER WIRE TO GROUNDING ELECTRODE LOCK NUTS -FOR JOINT USE POLES ONLY, #6 AWG MIN SOLID BARE COPPER WITH SPLIT BOLT CONNECTORS OR SYSTEM PARALLEL GROOVE CLAMPS ON EACH END (CONNECTION TO BE MADE ABOVE SPECIAL ROUTING SHOWN BELOW) WIRE STAPLES, 24" SPACING ABOVE 8 FEET AND 12" SPACING BELOW 8 FEET ABOVE GROUND (TYP) PROVIDE WIRING ROUTING AND STAPLING SO THAT STAPLES MAY BE TEMPORARILY REMOVED AND GROUNDING WIRES CAN BE PULLED MIN 1.5" OFF POLE & SPACED MAX 0.75" APART TO ENABLE TESTING OF GROUNDING ELECTRICAL SERVICE
TO CABINET ELECTRODE RESISTANCE BY CLAMP ON TESTER S ELE 5/8" DIA COPPER CLAD STEEL GROUNDING ELECTRODES, WITH IRREVERSIBLE COMPRESSION GROUND CONNECTOR SHEET 1 OF 1 1700D01



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

## See Plate for Title





SHEET NO

Sig. 5.0

PROJECT NO.

U-6223

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