



NOTES

- 1 NO. 5810, 5/8" x 10'-0" COPPERCLAD GROUND ROD SPACED AT 16' MINIMUM WITH ULTRAWELD CONNECTION TYPE "G0582SB" (MOLD NUMBER) AND "UWM90" (WELD METAL SIZE-ONE PER LOCATION) SEE DETAIL "G".
- 2 NO. GM121266, 12'-0" x 12'-0" GROUND MAT WITH NO. 6 AWG. SOLID BARE COPPER CONDUCTOR AT 6" O.C. EACH WAY 24" BELOW GRADE OR FROST LINE, WHICH EVER IS LOWER. NO. 2T, #2 AWG SOLID TINNED COPPER GROUND CONDUCTOR SHALL BE ATTACHED TO THE MAT USING ULTRAWELD CONNECTION "PT6S2SB" (MOLD NUMBER) AND "UWM45" (WELD METAL SIZE) AT THREE PLACES PER NO. 2T GROUND CONDUCTOR.
- 3 NO. EPK12, 12 UNIT ENTRANCE PANEL KIT WITH INTEGRATED 1/4"x5"x24" SOLID COPPER INTERIOR GROUND BAR WITH INSULATORS AND 1/4"x3"x14.5" EXTERIOR GROUND BAR.(INSTALL NEAR THE POINT WHERE THE COAX LINES ENTER THE SHELTER) SEE DETAIL "EPK".
- 4 CABLE TO CABLE CONNECTION WITH NO. PT2S2SB (MOLD NUMBER) ULTRAWELD CONNECTION WITH NO. UWM65 (WELD METAL SIZE - ONE PER LOCATION).
- 5 NO. GBIA14424M, 1/4"x4"x24" SOLID COPPER TOWER GROUND BAR WITH INSULATOR AND BEAM CLAMP STANDOFFS. COAX CABLES SHALL BE GROUNDED TO TOWER AT THE TOP AND BOTTOM OF THE TOWER AND EVERY 75' OR LESS IF THE TOWER IS TALLER THAN 150". SEE DETAIL "GB".
- 6 NO. 2T, #2 AWG SOLID TIN COATED COPPER CONDUCTOR (201 LBS. PER 1000) LOCATED AT 2'-6" MIN. BELOW GRADE OR 6" BELOW THE FROST LINE, WHICH EVER IS LOWER.
- 7 "RE" OR "RP" STYLE ULTRAWELD CONNECTION BONDING REBAR IN TOWER FOOTING. *VERIFY SIZE OF REBAR PRIOR TO ORDERING.
- 8 BOND COAX CABLE USING NO. CGKB SERIES GROUND KIT TO EXTERIOR GROUND BARS. PART NUMBER IS SPECIFIC TO COAX SIZE. SEE COAX CABLE GROUNDING DETAIL "CGK".
- 9 NO. GJX2S24, FLEXIBLE BONDING JUMPER WITH ULTRAWELD CONNECTION TYPE "VA2SV1.5x4B" (WELD MOLD) AND "UWM45" (WELD METAL SIZE - ONE PER GATE) SEE DETAIL "FG"
- 10 ULTRAWELD CONNECTION TO 3" - 4" DIA. FENCE POST TYPE "VA2SV1.5x4B" (MOLD NUMBER) AND "UWM45" (WELD METAL SIZE - ONE PER LOCATION). SEE DETAIL "FG"
- 11 ALL CONDUCTIVE BODIES SHALL BE BONDED TO THE GROUNDING SYSTEM.
- 12 BOND WAVE GUIDE SUPPORTS TO EXTERIOR GROUND LOOP
- 13 PROVIDE CONNECTION TO EXTERIOR POWER AND TELEPHONE GROUNDING SYSTEMS AND WATER SERVICE.
- 14 GROUND TOWER (2 LOCATIONS) WITH NO. HD2SA (MOLD NUMBER) ULTRAWELD CONNECTION WITH NO. UWM45 (WELD METAL SIZE - ONE PER LOCATION).



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 EXTERIOR GROUNDING PLAN