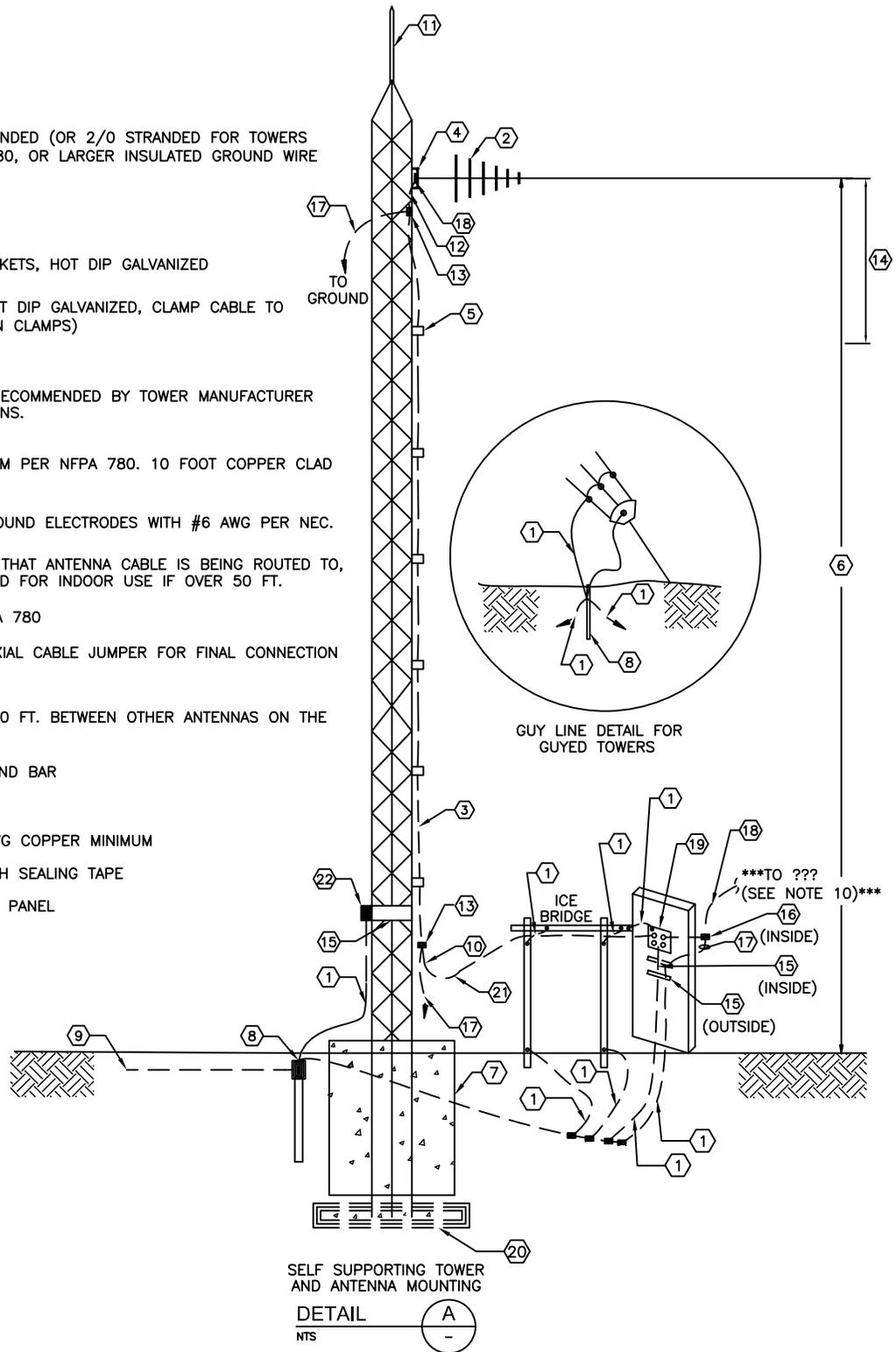


NOTES:

- ① GROUND WIRE 2 AWG STRANDED (OR 2/0 STRANDED FOR TOWERS OVER 75 FT) PER NFPA 780, OR LARGER INSULATED GROUND WIRE
- ② YAGI RADIO ANTENNA
- ③ ANTENNA CABLE
- ④ ANTENNA MOUNTING BRACKETS, HOT DIP GALVANIZED
- ⑤ RADIO CABLE CLAMPS, HOT DIP GALVANIZED, CLAMP CABLE TO POLE (3 FT MAX BETWEEN CLAMPS)
- ⑥ RADIO ANTENNA HEIGHT
- ⑦ FOUNDATION DESIGN AS RECOMMENDED BY TOWER MANUFACTURER FOR LOCAL SITE CONDITIONS.
- ⑧ TOWER GROUNDING SYSTEM PER NFPA 780. 10 FOOT COPPER CLAD MINIMUM.
- ⑨ BOND TO ELECTRICAL GROUND ELECTRODES WITH #6 AWG PER NEC.
- ⑩ SPECIFY RADIO/LOCATION THAT ANTENNA CABLE IS BEING ROUTED TO, RF CABLE MUST BE LISTED FOR INDOOR USE IF OVER 50 FT.
- ⑪ LIGHTNING ROD PER NFPA 780
- ⑫ PROVIDE SUPERFLEX COAXIAL CABLE JUMPER FOR FINAL CONNECTION
- ⑬ RF CABLE GROUNDING KIT
- ⑭ PROVIDE A MINIMUM OF 10 FT. BETWEEN OTHER ANTENNAS ON THE SAME TOWER.
- ⑮ UL LISTED COPPER GROUND BAR
- ⑯ SURGE PROTECTOR
- ⑰ BONDING JUMPER #10 AWG COPPER MINIMUM
- ⑱ PROTECT CONNECTION WITH SEALING TAPE
- ⑲ RF CABLE FEED THROUGH PANEL
- ⑳ GRAVEL FOR DRAINAGE.
- ㉑ DRIP LOOP
- ㉒ EXOTHERMIC WELD



**CITY OF COCOA**  
 Brevard County, Florida  
 UTILITIES DEPARTMENT  
 ENGINEERING DIVISION

**RTU INSTALLATION  
 DETAILS**

DRAWN BY: CDM SMITH	SCALE: NOT TO SCALE
CHECKED BY: P. DAVIS	DATE: MARCH 2020
DESIGN BY:	SHEET: 1 OF 1
ACAD NAME: RTU INSTALLATION DETAILS 1-14	