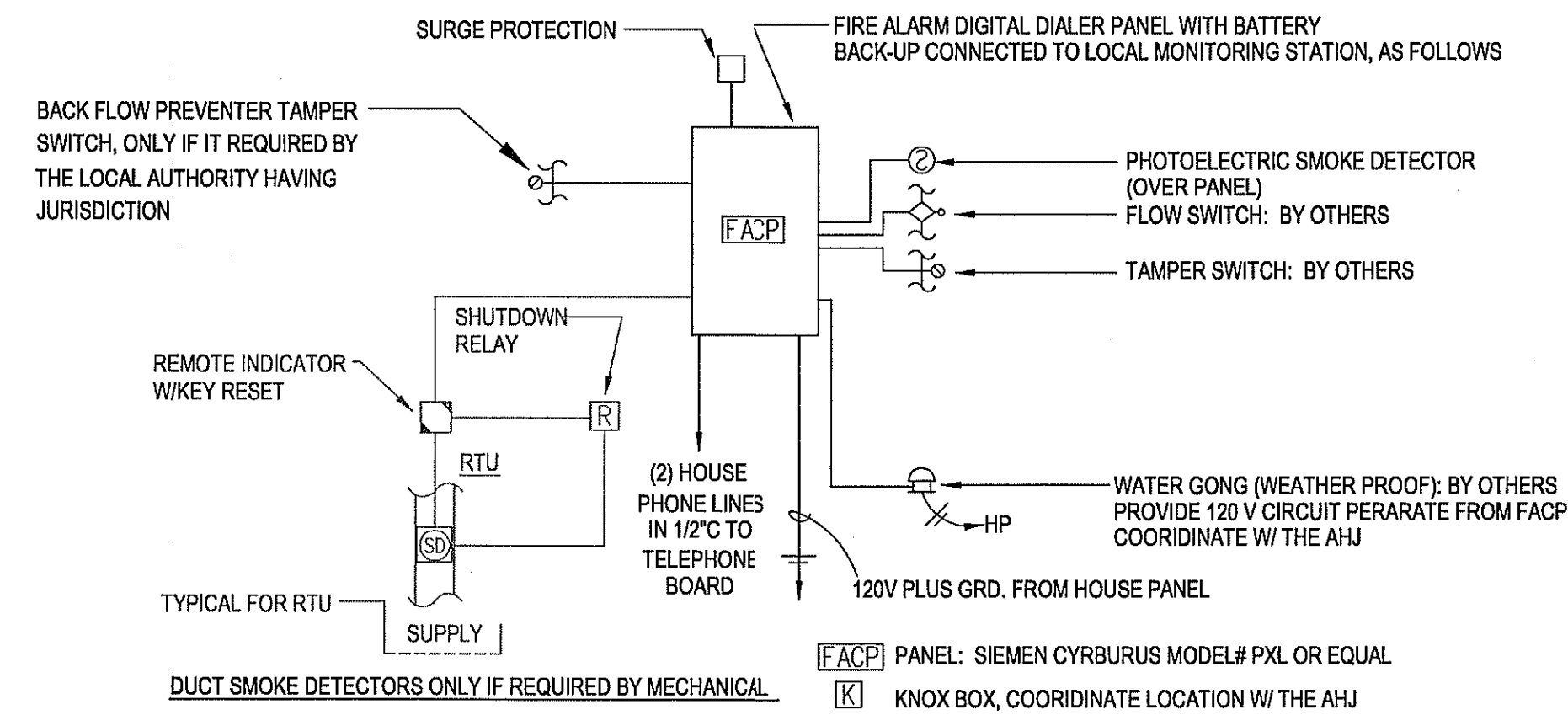


TELEPHONE TERMINAL CABINET DETAIL

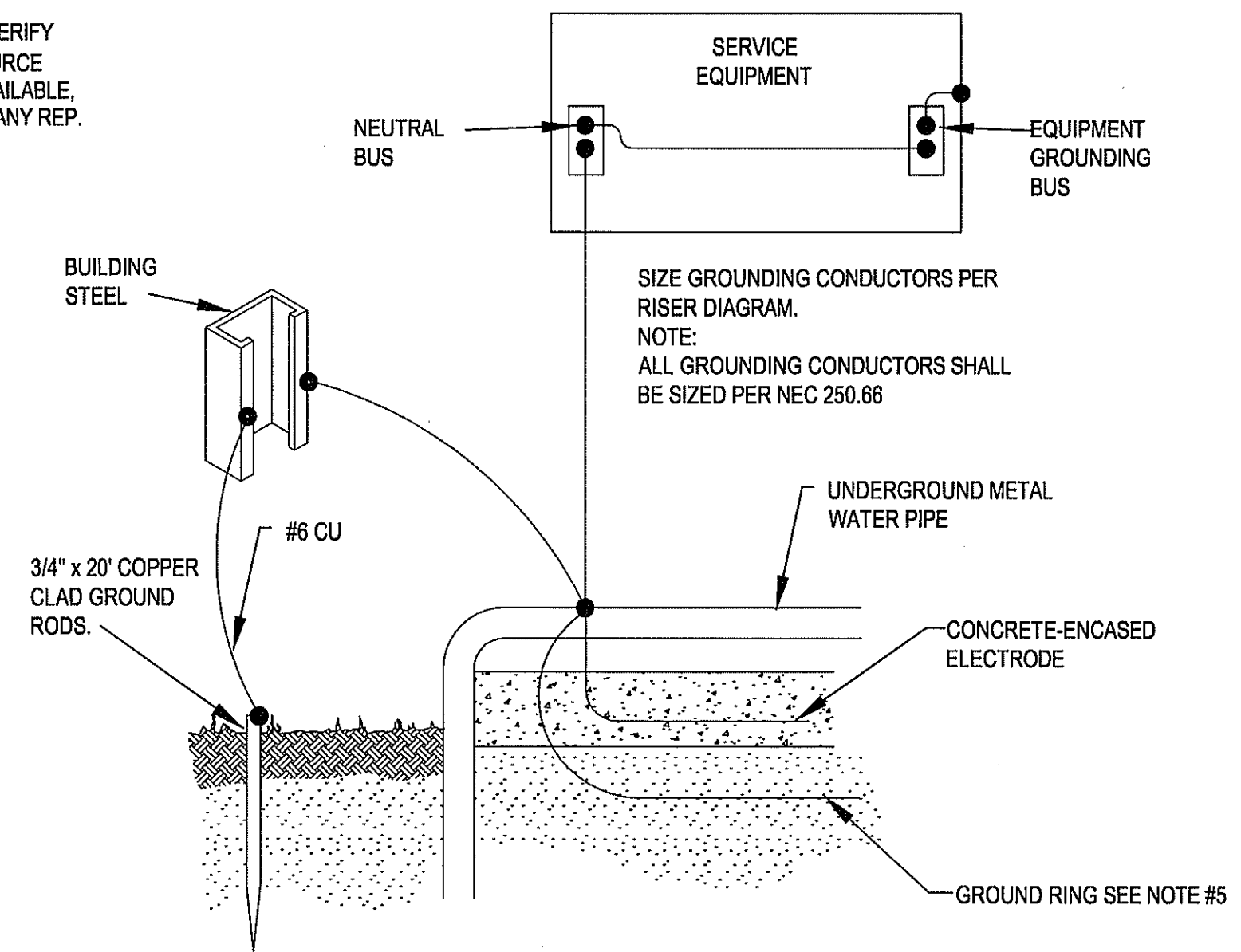
N.T.S.



FIRE ALARM RISER DIAGRAM

N.T.S.

FIRE ALARM SUBCONTRACTOR SHALL SJBMIT THREE (3) COMPLETE SETS OF PLANS, MANUFACTURER'S SPECIFICATIONS, BATTERY LOAD CALCULATIONS, SIGNAL CIRCUIT LOAD CALCULATIONS, AND VOLTAGE DROP CALCULATIONS FOR REVIEW AND PERMITTING PRIOR TO INSTALLATION OF THE FIRE ALARM SYSTEM. SMOKE DETECTORS WILL BE FURNISHED BY THE FIRE ALARM CONTRACTOR, INSTALLED IN THE DUCT BY THE MECHANICAL CONTRACTOR AND WIRED BY THE FIRE ALARM CONTRACTOR.



GROUNDING ELECTRODE CONDUCTOR DETAIL

N.T.S.

- FULL SIZE GROUND MEANS THAT GROUND CONDUCTOR SIZE SHALL BE AS SHOWN ON SERVICE EQUIPMENT ON THE POWER RISER DIAGRAM.
- AFTER GROUNDING SYSTEM IS INSTALLED, GROUND RESISTANCE SHALL BE MEASURED, TO ASSURE THAT GROUND VALUE OF 25 OHM MAXIMUM RESISTANCE IS ACHIEVED. IF NOT, ADDITIONAL GROUNDING SHALL BE PROVIDED TO MEET THE SPECIFIED VALUE.
- ALL CONNECTIONS TO GROUND RODS SHALL BE EXOTHERMIC WELD CONNECTIONS. IF CONNECTIONS WILL REMAIN ACCESSIBLE, ACORN STYE GROUNDING CLAMPS MAY BE USED.
- GROUND CONDUCTOR SHALL BE LOCATED WITHIN OR NEAR BOTTOM OF CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH, AND SHALL CONSIST OF AT LEAST 20 FEET OF ONE OR MORE STEEL REINFORCING BARS OR RODS OF NOT LESS THAN 1/2 INCH DIAMETER, OR OF AT LEAST 20 FEET OF BARE COPPER CONDUCTOR.
- OPTIONAL- IF 25 OHMS OR LESS (PER NEC 250) CANNOT BE ACHIEVED BY THE METHODS ABOVE THEN A GROUND RING ENCIRCLING THE BUILDING OR STRUCTURE, IN DIRECT CONTACT WITH EARTH, CONSISTING OF AT LEAST (20 FT.) OF BARE COPPER CONDUCTOR NOT SMALLER THAN 2 AWG SHALL BE INSTALLED, PER NEC ARTICLE-250.52(A)(4).

PROJECT NO.	206050
DATE	08/26/08
DRAWN	LF
CHECKED	EDA