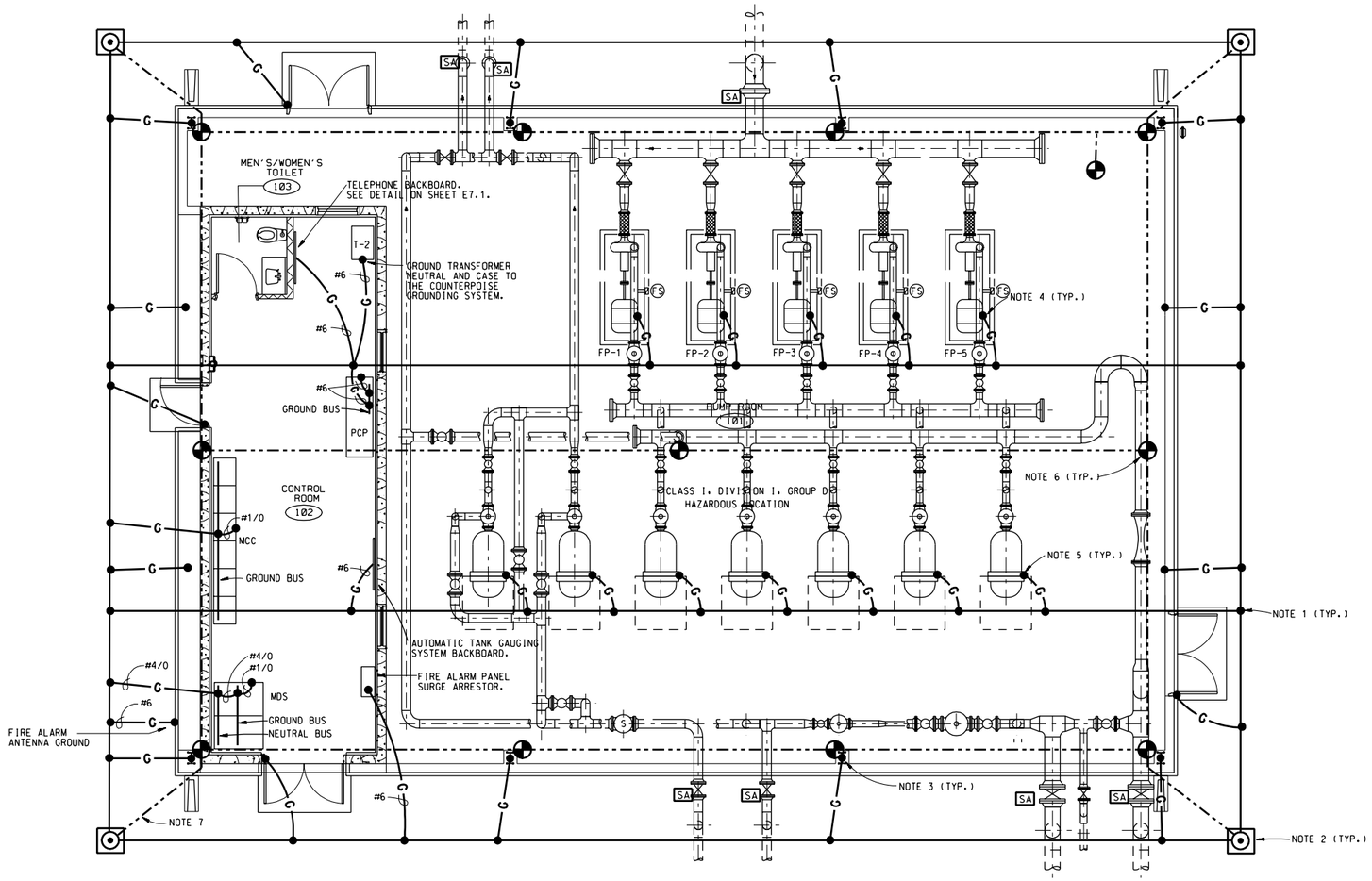

GROUNDING PLAN

SCALE: $\frac{1}{4}$" INCH = 1 FOOT

12" 8 5'

NOTES TO DESIGNER:

1. PROVIDE A LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA 780 AND AFM 88-9 CHAPTER 3.

NOTES:

1. SEE THE CABLE-TO-CABLE GROUNDING CONNECTION DETAIL #2 ON SHEET E7.1.
2. SEE THE GROUND ROD DETAIL #3 ON SHEET E7.1.
3. SEE THE STEEL COLUMN GROUNDING DETAIL #4 ON SHEET E7.1.
4. SEE THE FUELING PUMP MOTOR GROUNDING DETAIL #5 ON SHEET E7.1.
5. SEE THE FILTER SEPARATOR GROUNDING DETAIL #6 ON SHEET E7.1.
6. SEE DETAIL #1 ON SHEET E7.1.
7. THE DOWN CONDUCTORS SHALL BE RUN DOWN THE COLUMN IN PVC CONDUIT. THE DOWN CONDUCTORS SHALL HAVE EITHER A STRAIGHT OR PARALLEL (ACCESSIBLE) SPLICE INSTALLED NEAR GROUND LEVEL JUST BEFORE THE CABLES ENTER THE GROUND.

SUPPLEMENTAL LEGEND:

- COPPERCLAD GROUND ROD. SEE GROUND ROD BOX DETAIL #3 ON SHEET E7.1.
- COPPERCLAD GROUND ROD.
- AIR TERMINAL 24" x 3/8" COPPER.
- COUNTERPOISE. #4/0 BARE COPPER.
- MAIN AND DOWN LIGHTNING PROTECTION CONDUCTOR. MIN. SIZE PER NFPA 780.
- G — #1/0 BARE COPPER OR AS INDICATED.
- SA — INSULATING FLANGE SURGE ARRESTER. PER SPECIFICATION 15060 AND DETAIL ON SHEET MD.4.

COMPUTER AIDED DESIGN & DRAFTING

$$ - THINK VALUE ENGINEERING - $$

REVISIONS

SYMBOL	DESCRIPTIONS	DATE	APPROVED

ROBERT AND COMPANY
96 POPLAR ST., N.W.
ATLANTA, GA 30335

US ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
OMAHA, NE

AIR FORCE C.E. SUPPORT AGENCY
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DESIGNED BY: KEA
DRAWN BY: KEA
CHECKED BY: KKT
REVIEWED BY: RJB
SUBMITTED BY:
CHIEF, ELEC SECTION

AIR FORCE STANDARDS
PRESSURIZED HYDRANT FUELING SYSTEM
TYPE III

GROUNDING PLAN

PLOT SCALE RATIO: 4:1
DESIGN FILE: SD18E401.DGN
DATE: REV. #1 NOV. 1998
SPEC. NO.: 78-24-28-88
DRAWING CODE: AW 78-24-28
SHEET REFERENCE NUMBER: E4.1

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