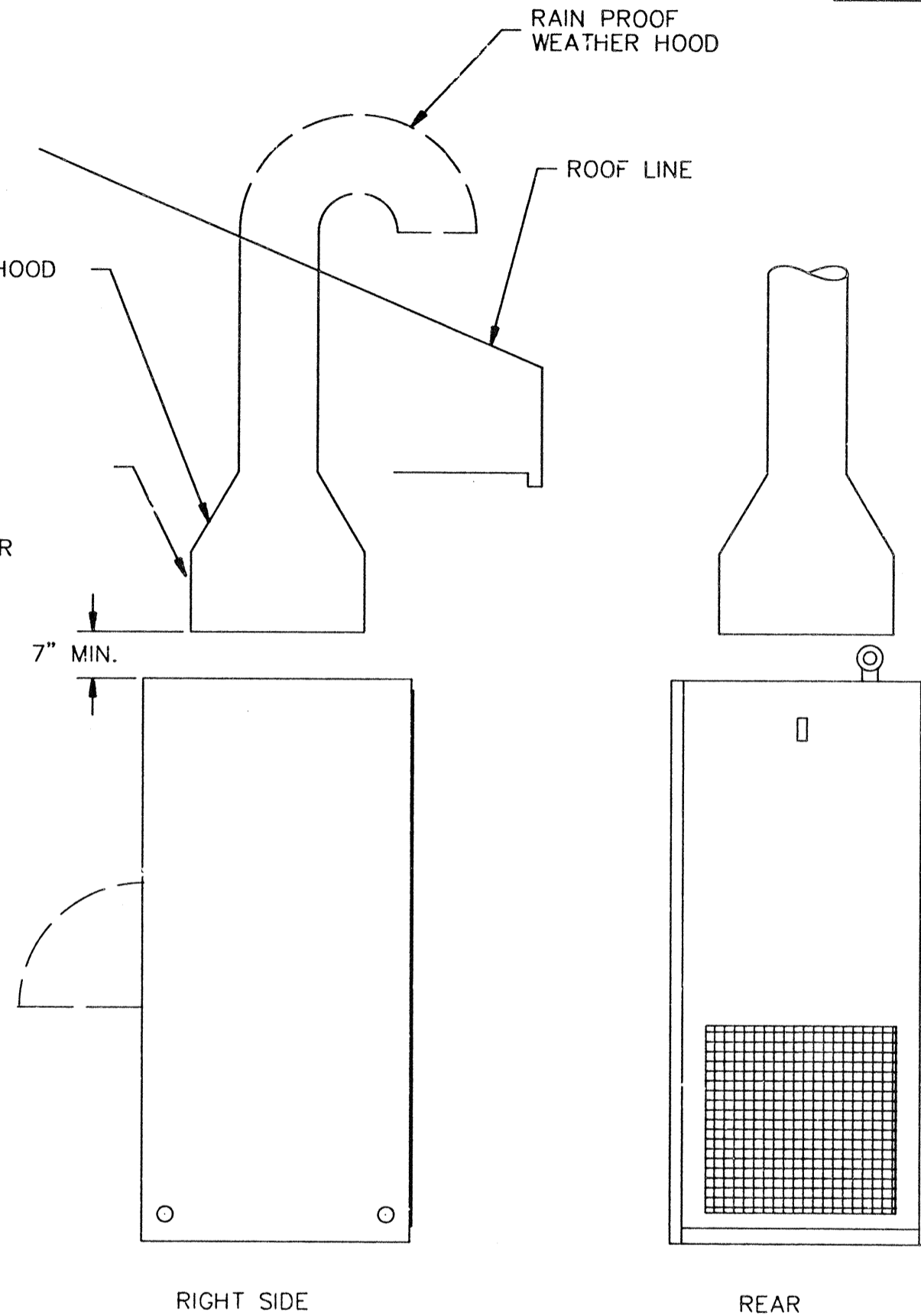


| | | | | | |
|--------------|--------------|----------------------------|-----|-----|-------|
| 839-7832-041 | | | | | |
| E | 3-30 1990 | ADDED CHART | SDW | MLK | 35893 |
| F1 | 2-14 1991 | CLARIFIED FILTERS & GRILLS | ALB | | |

| | HT10FM | HT7FM |
|-------------------------|--|--|
| AIR FLW THRU XMTR 60HZ | 383 CFM | 383 CFM |
| AIR FLOW THRU XMTR 50HZ | 325 CFM | 325 CFM |
| MIN S.L. S.P. 60HZ | 2.2 IN. OF WATER | 2.2 IN. OF WATER |
| MIN S.L. S.P. 50HZ | 1.75 IN. OF WATER | 1.75 IN. OF WATER |
| NOMINAL ANODE DISS. | 3650 WATTS | 2300 WATTS |
| NOMINAL XMTR DISS. | 5000 WATTS | 5000 WATTS |
| AIR TEMP RISE AT 60 HZ | 17°C | 11°C |
| XMTR VOLUME | 46.7 FT ³ 1.322 M ³ | 46.7 FT ³ 1.322 M ³ |
| AUDIBLE NOISE | 67 DBA | 67 DBA |

STATIC PRESSURE IN EXHAUST HOOD TO BE +.1 IN. OF WATER MAXIMUM WITH NO EXHAUST FAN.
WHEN EXHAUST FAN IS INSTALLED, STATIC PRESSURE IN EXHAUST HOOD MUST NOT BE LOWER THAN -.1 IN. OF WATER



| HT 7/10 FM | 220 VAC 3-PHASE 3-WIRE | | 380 VAC 3-PHASE 4-WIRE | | 220 VAC 1-PHASE | |
|--|-------------------------------|-------------------|-------------------------------|-------------------|-----------------|---------------|
| | HT7 | HT10 | HT7 | HT10 | HT7 | HT10 |
| TYPICAL AC LINE CURRENT (S) SEE NOTE BELOW: | A = 35A B = 35A C = 30A | 40A 40A 35A | A = 20A B = 20A C = 15A | 23A 23A 20A | 66A | 87A |
| RECOMMENDED EXTERNAL LINE DISCONNECT CURRENT PROTECTION | 70A EACH LEG | 70A EACH LEG | 40A EACH LEG | 40A EACH LEG | 100A EACH LEG | 150A EACH LEG |
| RECOMMENDED PRIMARY WIRE SIZE AND TYPE (CONSULT LOCAL CODES) | #4 AWG THHN | #4 AWG THHN | #8 AWG THHN | #8 AWG THHN | #1 AWG THHN | #1 AWG THHN |

(NOTE: ALL VALUES FOR 7FM ARE FOR OPERATION AT 8KW TRANSMITTER OUTPUT POWER)
(NOTE: ALL VALUES FOR 10FM ARE FOR OPERATION AT 10KW TRANSMITTER OUTPUT POWER)

- 3 EXHAUST SYSTEM SHOWN ON THIS DRAWING IS A SUGGESTED INSTALLATION, IF EXISTING TRANSMITTER SITE PRECLUDES THE USE OF THIS SYSTEM, CONSULTATION WITH A HVAC CONTRACTOR AND/OR HARRIS ENGINEERING DEPARTMENT IS REQUIRED.
- 2 IF EXHAUST AIR IS DUCTED FROM TRANSMITTER HALL, A FILTERED INLET-AIR MAKEUP SYSTEM MUST BE INSTALLED TO PREVENT THE TRANSMITTER FROM BECOMING AIR STARVED AND OVERHEATING.
- 1 IF STATIC PRESSURE IN EXHAUST HOOD EXCEEDS .1 IN. OF WATER MAX., EXHAUST SYSTEM MUST HAVE BLOWER OR FAN INSTALLED WHICH WILL DELIVER 383 CFM INTO .2 IN. OF WATER FOR 60HZ, & 325 CFM INTO .2 IN. OF WATER FOR 50HZ POWER STATIONS

| QTY. | HOLE | DESCRIPTION |
|--|-----------------|-----------------------|
| UNLESS NOTED: DIMENSIONS ARE IN INCHES | | |
| TOLERANCES: | | |
| .X ± .030 | | |
| .XX ± .015 | | |
| .XXX ± .005 | | |
| ANGLES ± 1 DEG. | | |
| THIS DOCUMENT CONTAINS PROPRIETARY DATA OF HARRIS CORPORATION. NO DISCLOSURE, REPRODUCTION, OR USE OF ANY PART THERE OF MAY BE MADE EXCEPT BY WRITTEN PERMISSION | | |
| DR. BY GLOVER 4-88 | TITLE | |
| ENG. CHK. | CABINET OUTLINE | |
| PROJ. ENG. | HT 7/10FM | |
| MFG. ENG. | | |
| MAT'L. | SHEET 2 OF 2 | DWG. NO. 839-7832-041 |