



SYSTEMS

ELECTRONICS GROUP

SYSTEMS S3000

INDUSTRIAL CONTROLLER

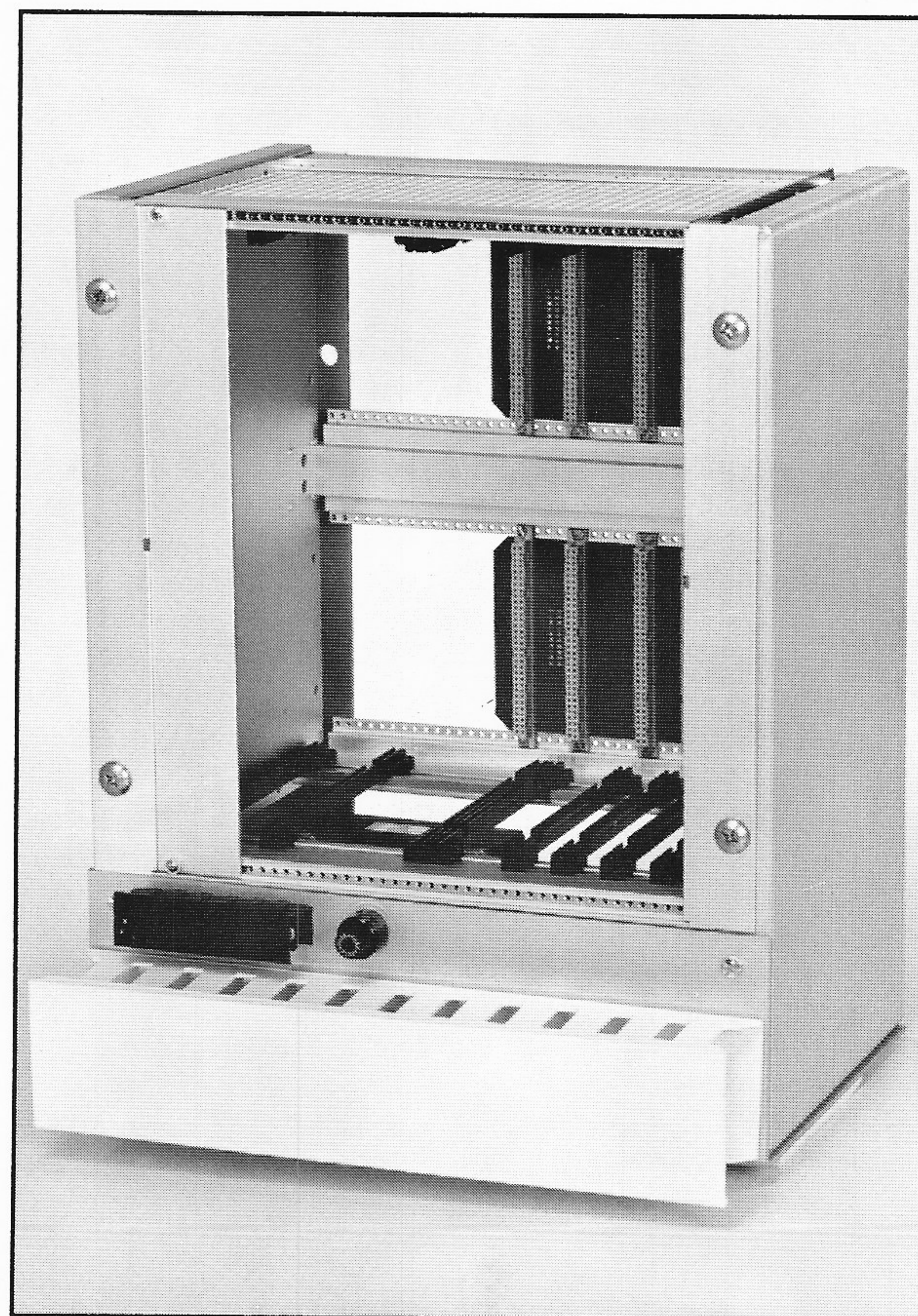
S3004CHR: S3008CHR: S3016CHR: BOARD RACK CHASSIS

FEATURES:

- POWER/RACK CHASSIS FOR SYSTEMS S3000 PRODUCTS
- EACH CHASSIS HOUSES THE INPUT STAGE OF A LINEAR POWER SUPPLY, ONE PS3007 POWER SUPPLY, ONE MAIN PROCESSOR BOARD AND UP TO 4, 8, OR 16 I/O BOARDS
- CHASSIS INCORPORATED FANS FOR FORCED AIR COOLING
- CHASSIS ARE EQUIPPED WITH WIRE WAY FOR CONVENIENT WIRE ROUTING FROM I/O CARDS
- EUROCARD 6U 1/84 SUBRACK, VME FORM FACTOR

GENERAL DESCRIPTION:

The S3004CHR, S3008CHR, and S3016CHR rack chassis house S3000 product line boards. Each chassis houses the main step-down transformer, bridge rectifier and filter capacitor for the PS3007 power supply plus one fan (S3004CHR and S3008CHR) or two fans (S3016CHR). The chassis is also equipped with the appropriate size Eurocard rack which houses the PS3007 power supply, Main processor board and either 4 I/O cards (S3004CHR), 8 I/O cards (S3008CHR) or 16 I/O cards (S3016CHR). The chassis are designed for back panel mounting. Each chassis is equipped



with a wire way for convenient wire routing from I/O cards in the rack.

The input stage of the power supply, located in the chassis, provides the PS3007 power supply with +10VDC unregulated and 17VAC. The input power to the chassis is 110VAC -130VAC, 50 or 60 HZ. This input power is for the entire S3000 system (external field power excluded). The chassis is equipped with an input power fuse located next to the main terminal strip. This fuse protects the incoming 120VAC power line.

INSTALLATION:

The chassis is designed for back panel mounting. To mount the chassis, remove the card rack and mount the chassis to the back panel using the four

mounting holes located in the chassis. Re-install the card rack and wire the incoming 120VAC power to the main terminal strip.

SPECIFICATIONS :

Number Of I/O Cards

(not including power supply and processor)

S3004CHR:	4
S3008CHR:	8
S3016CHR:	16

Input Voltage: 110VAC TO 130VAC
(50 OR 60HZ)

Voltage Outputs (Input to chassis = 115VAC):
 +10VDC(min)-minimum voltage (Iout=7.0 amps) 8.0 VDC
 +10VDC(max)-maximum voltage (no load): 10.5 VDC
 17VAC(typ)-nominal voltage: 17.0 Vrms

Chassis Size (S3004CHR)

Length:	11.2"
Height:	14.0"
Width:	9.8"

Chassis Size (S3008CHR)

Length:	14.5"
Height:	14.0"
Width:	9.8"

Input Fuse Rating: MDL 1.6 AMPS

Temperature Ranges:

Storage: 0 to 85° C
 Operating: 0 to 60° C

Chassis Size (S3016CHR)

Length:	19.5"
Height:	14.0"
Width:	9.8"

Relative Humidity: 5 TO 95%

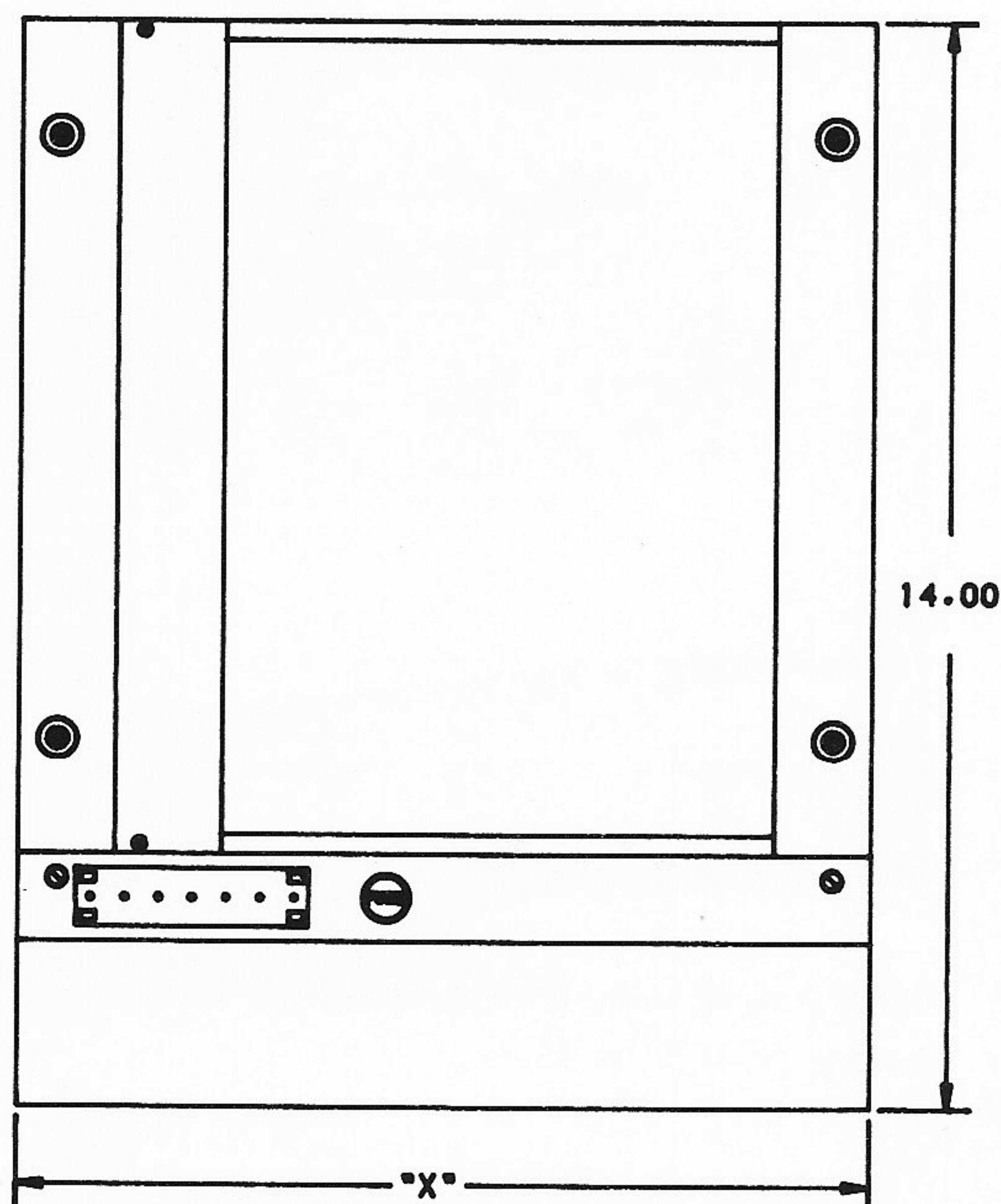


FIGURE 1
FRONT VIEW

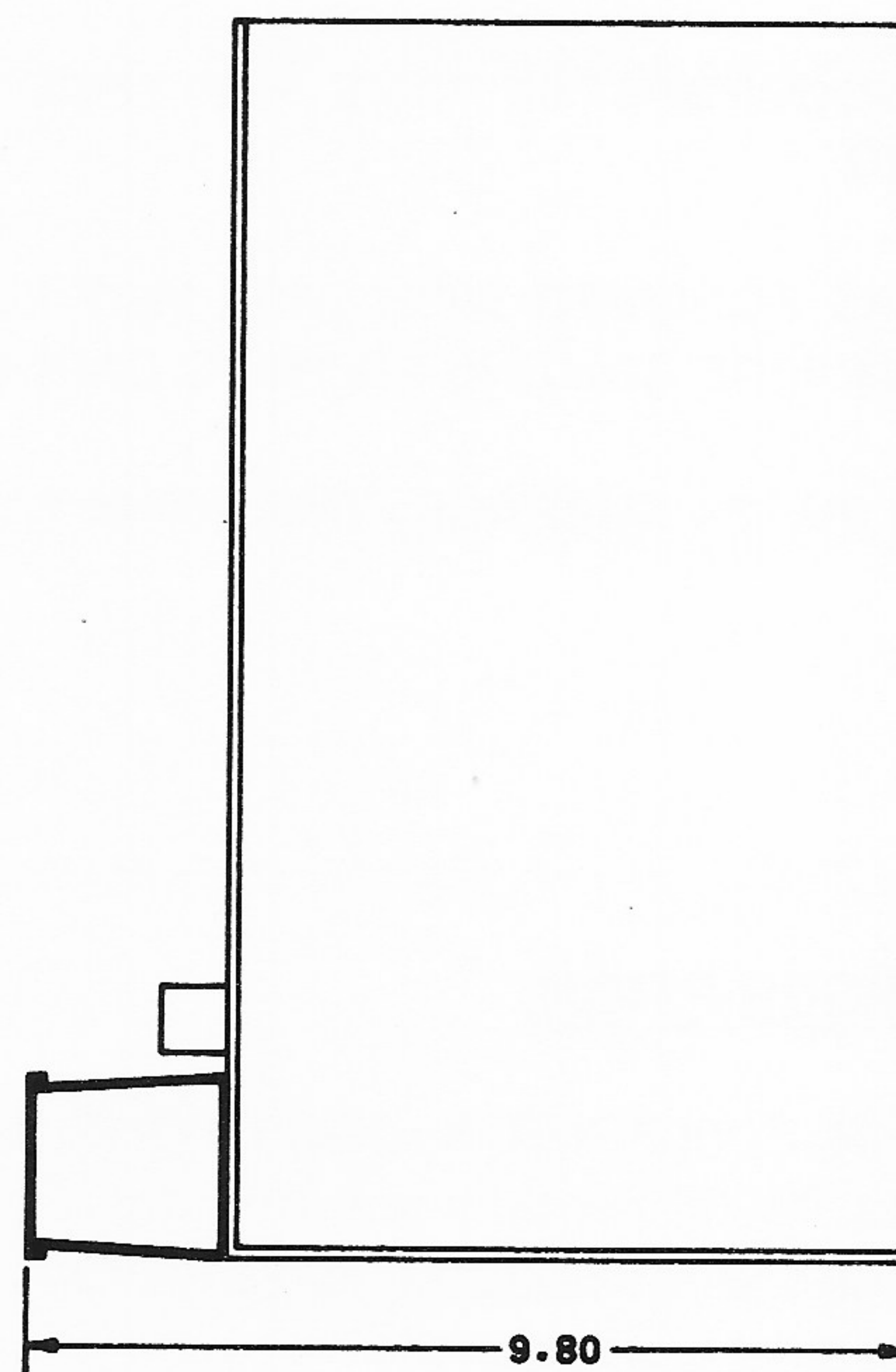


FIGURE 2
SIDE VIEW

	"X"
S3004CHR	11.20
S3008CHR	14.50
S3016CHR	19.50



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DIVISION OF SYSTEMS ENGINEERING ASSOCIATES, INC.
 14989 W. 69TH AVE, ARVADA, COLORADO, P.O. BOX 750 80001
 (303) 421-0233 FAX (303) 421-8108