



ARCNET
LAN BOARD
IN OPERATOR WORKSTATION PC
(IN WINNIPEG TRANSIT OFFICE BUILDING)

MAX DISTANCE
385m / 1262ft
(BETWEEN LINKS)

N1 COMMUNICATION BUS
TYPE RG-62/U COAXIAL CABLE
(BELDEN No. 9269 or equiv.)

93 OHM
N1 COMM. BUS
TERMINATOR
CAP

IN OUT
COAX TERMINALS
FOR N1
COMMUNICATION
BUS

1 4
2 5
3 6
TB2

1 4
2 5
3 6
BLK BLK BLK
WH WH WH
SHLD SHLD SHLD
TB1
CONNECTS TO
CHANNEL "A"
COMMUNICATIONS
SUB-MODULE

METASYS NCU-1 BASEFRAME
COMMUNICATION TERMINAL BOARD
(SET ALL EOL SWITCHES AT NCU TO "OUT")

N2 COMMUNICATION BUS NOTES:

- 1) MAXIMUM N2 BUS RUN WITHOUT SIGNAL REPEATERS IS 1524m / 5000ft
- 2) TB1 & TB2 COMMUNICATION TERMINALS ARE DESIGNATED AS FOLLOWS:
 - 1 - IN(+), OUT(+)
 - 2 - IN(-), OUT(-)
 - 3 - SOFT GROUND
 - 4 - REF-IN, REF-OUT
 - 5 - SOFT GROUND
 - 6 - HARD GROUND

RS-232 PORT

RJ-12 CONNECTOR
FOR IO-NTU10n-0
NETWORK TERMINAL UNIT
(DO NOT CONNECT TO PHONELINE)

NU-N2B101-0
N2 COMMUNICATION BUS
SUB-MODULE IN SLOT #1
SET CHANNEL TO "A"
SET EOL RESISTOR TO "OUT"

NU-MDM101-0
MODEM SUB-MODULE
IN SLOT #2

RJ-12 CONNECTOR
FOR TELEPHONE COMPANY
DATALINE

RJ-12 CONNECTOR
FOR TELEPHONE HANDSET
(OPTIONAL)

NU-BAT101-0
BATTERY SUB-MODULE
IN BOTTOM SLOT

NU-NCM101-0
NETWORK CONTROL MODULE
IN NCU BASEFRAME

N2 COMMUNICATIONS BUS (TYP. OF 3 RUNS)
22/4 TWISTED & SHIELDED CABLE
(BELDEN No. 8741 or equiv.)

120 OHM EOL RESISTOR
REQUIRED AT LAST
DC-9100 ON BUS RUN

GRN (Not used)
RED
BLK
WH
COM

RT+
RT-
RS-485

DC-9100s ON NORTH N2 BUS (See dwg. 1501-3)

120 OHM EOL RESISTOR
REQUIRED AT LAST
DC-9100 ON BUS RUN

GRN (Not used)
RED
BLK
WH
COM

RT+
RT-
RS-485

DC-9100s ON SOUTH N2 BUS (See dwg. 1501-3)

IN OUT
COAX TERMINALS
FOR N1
COMMUNICATION
BUS
(NOT USED
WITH NEU)

1 4
2 5
3 6
TB2

1 4
2 5
3 6
GRN (Not used)
BLK
RED
WH
SHLD
TB1

METASYS NEU-1-2 BASEFRAME
COMMUNICATION TERMINAL BOARD
(SET ALL EOL SWITCHES AT NEU TO "OUT")

MTS DATALINE
PHONE JACK
AT FT. ROUGE GARAGE
-BY OWNER

FILE: FTRCOMM

DRAWING TITLE FT. ROUGE BUS GARAGE NCU/NEU/DC-9100 COMMUNICATION TERMINATIONS		1	1098-5008	09/24/91	DRN
PROJECT WINNIPEG TRANSIT METASYS FACILITY MANAGEMENT SYSTEM	SALES ENGR BH	PROJECT MGR DM	APP'D ENGR JFE	DATE 05/24/91	PLTY DCK
JOHNSON CONTROLS Systems & Service Division			CONTRACT NUMBER 90098-0310	DRAWING NUMBER 1501-4B	