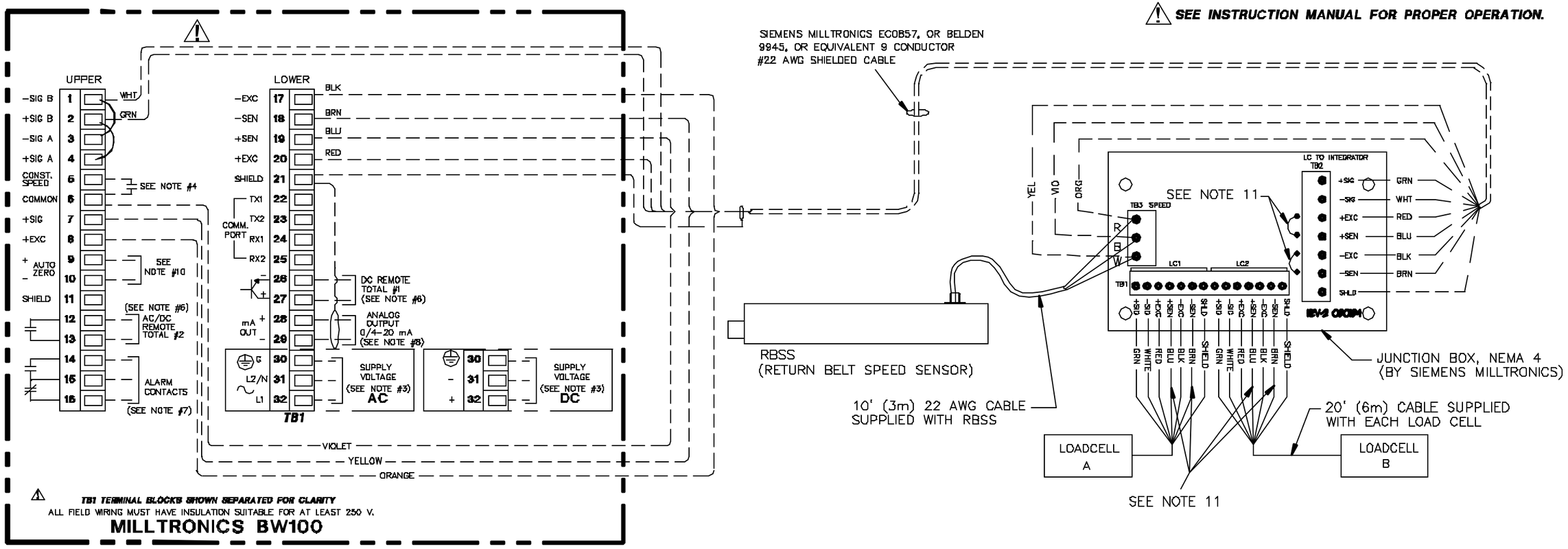

NOTES:

1) ALL WIRING MUST BE DONE IN CONJUNCTION WITH APPROVED CONDUIT, BOXES AND FITTINGS AND TO PROCEDURES IN ACCORDANCE WITH ALL GOVERNING REGULATIONS. ALL SIGNAL WIRES MUST RUN IN SEPARATE CONDUIT FROM CONTROL WIRES. GROUND SHIELD ONLY AT BW100.

2) ALL WIRING SHOWN BY CUSTOMER.

3) FOR AC VERSION: POSITION SW1 FOR 100/115/200/230 VAC OPERATION, 50/60 HZ, 15 VA.

   FOR DC VERSION: CONNECT APPROPRIATE VOLTAGE (12 OR 24) TO TERMINAL 32 (+) AND 31 (–).

4) IF SPEED SENSOR IS NOT USED, CONNECT CONSTANT SPEED TO COMMON WHEN CONVEYOR IS RUNNING.

5) WIRING SHOWN IS FOR TYPICAL INSTALLATIONS WITH NORMAL LOADING. IF YOU SUSPECT THAT YOUR APPLICATION WILL BE SUBJECT TO VARIABLE SIDE TO SIDE LOADING OF PRODUCT ON THE BELT, YOU MAY WANT TO TAKE ADVANTAGE OF THE AVAILABLE LOAD CELL BALANCING FEATURE. TO USE THIS FEATURE, YOU NEED ANOTHER TWO CONDUCTORS. CONTACT SIEMENS MILLTRONICS FOR FURTHER ASSISTANCE.

6) TOTAL #1 RATING 100 mA @ 24 VDC, USE 2 CONDUCTOR #18 AWG SHIELDED CABLE. TOTAL #2 RATING 100 mA @ 230 VDC OR AC

7) ALARM CONTACTS RATED AT 5A @ 250 VAC, NON–INDUCTIVE.

8) FOR ANALOG OUTPUT, USE 2 CONDUCTOR #18 AWG SHIELDED CABLE.

9) OPTIONAL WIRING CONFIGURATION: USE SEPERATE 6 CONDUCTOR #20 AWG SHIELDED CABLE FOR LOAD CELL CONNECTIONS UP TO 300m (1000ft) USE SEPERATE 18 AWG SHIELDED CABLE FOR SPEED SENSOR FOR CABLE RUNS UP TO 300m (1000ft).

10) CONNECTION OF TERMINALS 9 TO 10 WILL CAUSE SELF INITIATED AUTOMATIC ZERO WITH CONVEYOR BELT RUNNING EMPTY. USE 2 CONDUCTOR #18 AWG SHIELDED CABLE TO REMOTE CONTACT.

11) IF LOAD CELLS ARE NOT SUPPLIED WITH SENSE WIRES JUMPER +EXC TO +SEN AND –EXC TO –SEN.

12) FOR FURTHER DETAILS REFER TO THE INSTRUCTION MANUALS.

USE DIMENSIONS ONLY – DO NOT SCALE	1	REPLACES DRAWING 0–7340015Z–01–B UPDATED WITH SIEMENS TITLE BLOCK	JLC	RDC	JULY 24/03
DIMENSIONS ARE IN MILLIMETERS	Rev.	Revision / ECN Description	Drawn	Appr.	Date

Third Angle Projection

FOR INTERNAL USE ONLY

Product Group: MASS DYNAMICS
Date: 11/09/98
Drawn: R. CLYSDALE
Checked: P. RICCI
Approved: R. CLOSS
Location: PETERBOROUGH

SIEMENS MILLTRONICS PROCESS INSTRUMENTS INC.
Peterborough, Ontario, Canada

File No. 2365044101

Tolerance Unless Otherwise Noted: UOS
1 Place Decimal N/A Angles: N/A
2 Place Decimal N/A
3 Place Decimal N/A

Scale: NONE

Size: B

TITLE:
MILLTRONICS BW100 WITH MUS
BELT SCALE & RBSS (9 COND. CABLE)
INTERCONNECTION DIAGRAM

DRAWING No: 23650441

Rev. 1

Plot at: 1:1

Sheet 1 of 1