

	INTERNAL CABINET WIRING (4-20mA)	TB4	FIELD WIRING	INTERNAL CABINET WIRING (120 VAC)	
	DAB401TT	1		PPC4000 (P5.1)	RED
blk (pair)	UDC (26)	2	- B401-TT-	PPC4000 (P5.2)	RED
wht (pair)	UDC (27)	3	- DAB401TT- (B401-105))	RELAY R4(2)	RED
	V	G		PPC4000 (P15.2) <u>P15.2(X)</u> YB110 (X)	RED
		5		PPC4000 (P15.3) P15.3(12) YB110 (12)	RED
	DAB421FT	5		PPC4000 (P15.4) <u>P15.4(11)</u> YB110 (11)	RED
blk (pair)	LWF LIMIT (41)	6	- B421-FT-	RELAY R3(2)	RED
wht (pair)	LWF LIMIT (42)	7	- DAB421FT- (B421-65)	UDC(10) <u>UDC(10)-REM</u> FIRING MODE SWTICH-1 (Remote)	RED
	DAB401TC	G		UDC(11) <u>UDC(11)-REM</u> FIRING MODE SWTICH-1 (Remote)	RED
blk (pair)	UDC (22)	9	- DAB401TC+ (B401-1)	PPC4000 (P13.9) P13.9(REM) FIRING MODE SWTICH-2 (Remote)	RED
wht (pair)	UDC (24)	10	- DAB401TC- (B401-2)	FIELD WIRING DCS STATUS	
	·	G		ALARM STATUS (B401-14,15) - R1 N/C (8),(11)	
	DAB 401TC-UDC			FIRE ENABLE STATUS (B401-8,9) - R3 N/O (9),(11)	
blk (pair)	UDC(19)	_ PPC 4000 (F	211.10)	HIGH FIRE STATUS (B401-4,5) - R4 N/O (9),(11)	
wht (pair)	UDC(21)	_ PPC 4000 (F	211.11)	MANUAL STATUS (B401-12,13) - MODE SW (REM=CLOSED)	
	• • • • •		•	B401-7 (DCS E-STOP) - R5 COIL (2)	

		, ,	BLK
			WHT
MAIN-G		SP1(3)	GND
SP1(6) _		TB1-L	BLK
SP1(2) _		TB1-N	WHT
SP1(4) _		GND BAR	GND
TB1 (L1)	TB1 (L1) / PPC TB1 (N1) / PPC	PPC4000 (P3.1)	BLK
TB1 (N1)	TB1 (N1) / PPC	PPC4000 (P3.2)	WHT
GND BAR 🕳	PPC	PPC4000 (G)	GND
TB1 (L3)	TB1 (L3) / 24V PS	24V-PS (L)	BLK
TB1 (N3)	TB1 (N3) / 24V PS	24V-PS (N)	WHT
TB1 (G3)	TB1 (G3) / 24V PS	24V-PS (G)	GND
TB1 (L5)	TB1 (L5) / UDC	UDC (L1)	BLK
TB1 (N5) 🕳	TB1 (N5) / UDC	UDC (N)	WHT
TB1 (G5)	TB1 (G5) / UDC	UDC (G)	GND
<u>01</u>	THER INTERNAL CABINET	WIRING (24 VDC)	
24V-PS (+)	24V-PS (+)	TB2 (+)	BLU
24V-PS (-)	24V-PS (-)	TB2 (-)	BRN
TB2 (1+)	TB2 (1+) / HMI	HMI DC 24V (+)	BLU
TB2 (1-)	TB2 (1-) / HMI	HMI DC 24V (-)	BRN
TB2 (2+)	TB2 (2+) / MOXA	MOXA (V1+)	BLU
TB2 (2-)	TB2 (2-) / MOXA	MOXA (V1-)	BRN
	TB2 (3+) / LWF		BLU
TD2 (2_)	TB2 (3-) / LWF	I M/E (22)	BRN

NOTE:

FOR INTERNAL WIRING,
WIRE LABEL TO BE
TB3 TERMINAL NUMBER
(UNLESS SPECIFIED OTHERWISE)

120 VAC WIRING - 14 AWG TEW

24 VDC WIRING - 16 AWG TEW

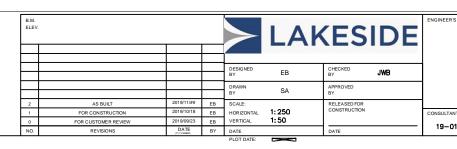
4-20ma WIRING - 18 TWISTED PAIR

REVISION ## CHANGES
THE ENCINEER'S DESIGN RESPONSIBILITIES
ARE LIMITED TO THE CHANGES INDICATED
IN THE CLOUDED WORK

DESIGNED BY: CHECKED BY:

DRAWN BY: APPROVED BY:

DATE: YYYY MM DD RELEASED FOR CONSTR.
DATE: YYYY MM DD





THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

NORTH END WATER POLLUTION CONTROL CENTER
BOILER 4
PPC/BMS WIRING

SHEET 1 OF 1