

PAKISTAN TOBACCO Co. Ltd.

Tobacco Filling Station

***PLC CONTROL PANEL FOR TOBACCO
FILLING STATION.VSD***

WATT N VOLT
Industrial Automation & Engineering

WATT N VOLT

Industrial Automation & Engineering
18th-km. Ferozepur Road, Lahore Pakistan.
Tel: +92 42 35820595, 35820296
Fax: +92 42 35820830
E-mail: wvn@wattnvolt.com.pk
Visit us: <http://www.wattnvolt.com.pk>



LEGEND

EARTH LEAKAGE PROTECTION CIRCUIT BREAKER (RCCB) (Q)	
MAIN CIRCUIT BREAKER (MCCB) Magnetic & Thermal Protection. (Q)	
Miniature Circuit Breaker (F)	
Motor protection Circuit Breaker (Q)	
Isolating Transformer (T)	
Magnetic Contactor (KM)	
Relay or Contactor Coil (KA)	

Panel Light (H)	
Panel cooling Fan (V)	
Socket outlet 230vac 1 phase (P)	
Indication Light (H)	
Emergency Stop Pushbutton (S)	
Thermal overload (F)	
Mode Selector Switch (SW)	
Panel Door Switch (S)	

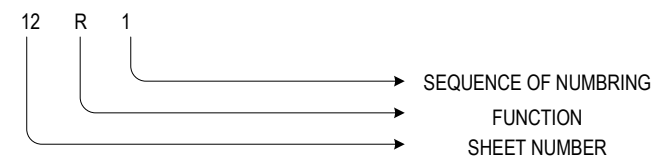
Push Button Normally Close (B)	
Push Button Normally Open (B)	
Normally Close Contact	
Normally Open Contact	
Photoelectric Sensor (B)	

WIRE COLORS

3 PHASE SUPPLY 415VAC = BLACK
 CONTROL SUPPLY 110VAC = RED
 ZERO POTENTIAL 110VAC = BLACK
 EARTH = GREEN/YELLOW
 CONTROL SUPPLY 24VDC = BLUE
 ANALOG/Digital SIGNAL = WHITE/Blue
 INTERLOCKING = ORANGE
 VFD CONTROL = BROWN

Line up Terminal (X)	
Fusible Terminal (X)	
PLC Module Terminals	

CODING



Q = CIRCUIT BREAKER
 M = MOTOR RELAY
 R = AUXILIARY RELAY

H = SIGNAL LIGHT
 S = SWITCH/PUSH BUTTON
 I = PLC INPUT
 Q = PLC OUTPUT

MATERIALS

MAIN MCCB = SCHENIDER
 CONTROL RELAYS = Murr Elektronik
 THERMAL OVERLOAD = SIEMENS
 MPCB/Contactor = SIEMENS
 TERMINAL BLOCKS = LEGRAND/CONTA CLIP
 TRANSFORMERS = Murr Elektronik

Client Name:
Pakistan Tobacco Co. Ltd.
 Akora Khattak Factory
 P.O. Nowshera NWFP-Pakistan
 Tel: +92 (923) 630901-12
 Fax: +92 (923) 510792



Drawing by:

SARFRAZ

Checked by:

Tahir Rasool

DWG #:

WNV_PTC_005

Title:

PLC Control Panel for Tobacco Filling Station

Circuit Description:

LEGEND

File & Directory Name:

D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd

Dated by:

22/08/13

Folio:

2/44

Revised:

0

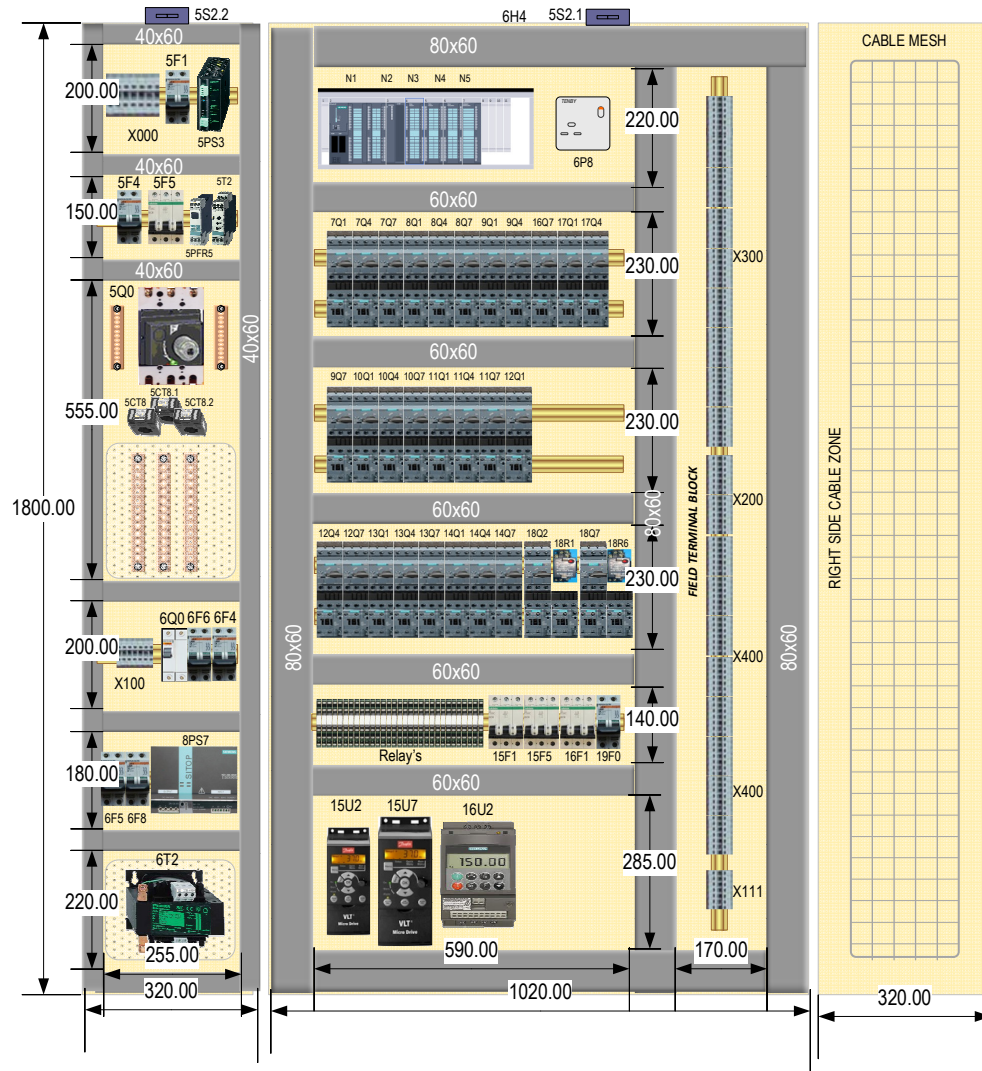
Company Name:

WATT n VOLT

Industrial Automation & Engineering
 18-km. Ferozpur Road, Lahore Pakistan.
 Tel: +92 42 35820595, 35820296
 Fax: +92 42 35820830
 E-mail: wnv@wattvolt.com.pk
 Visit us: http://www.wattvolt.com.pk



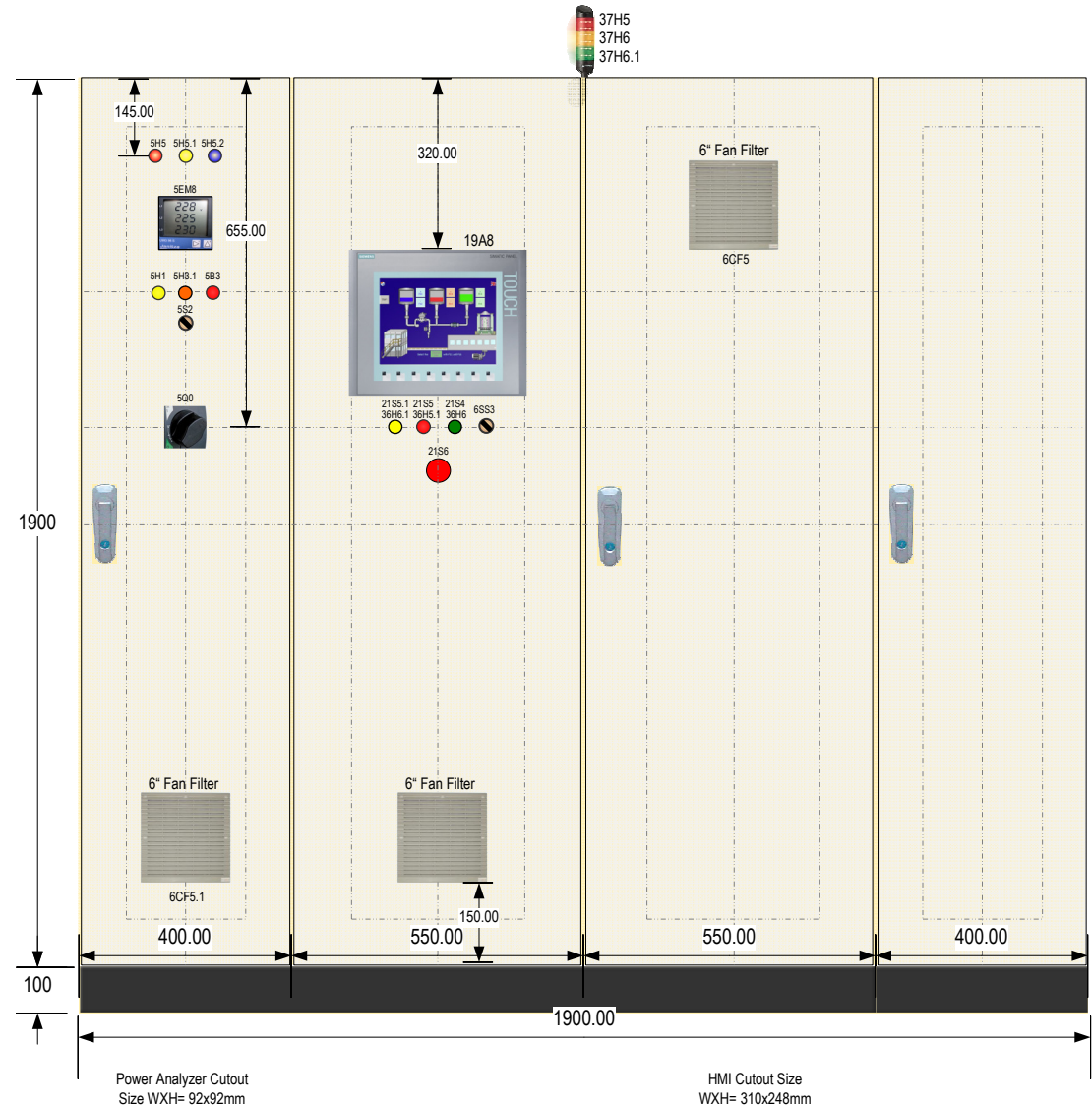
COMPONENTS ARRANGEMENT



PANEL FRONT VIEW

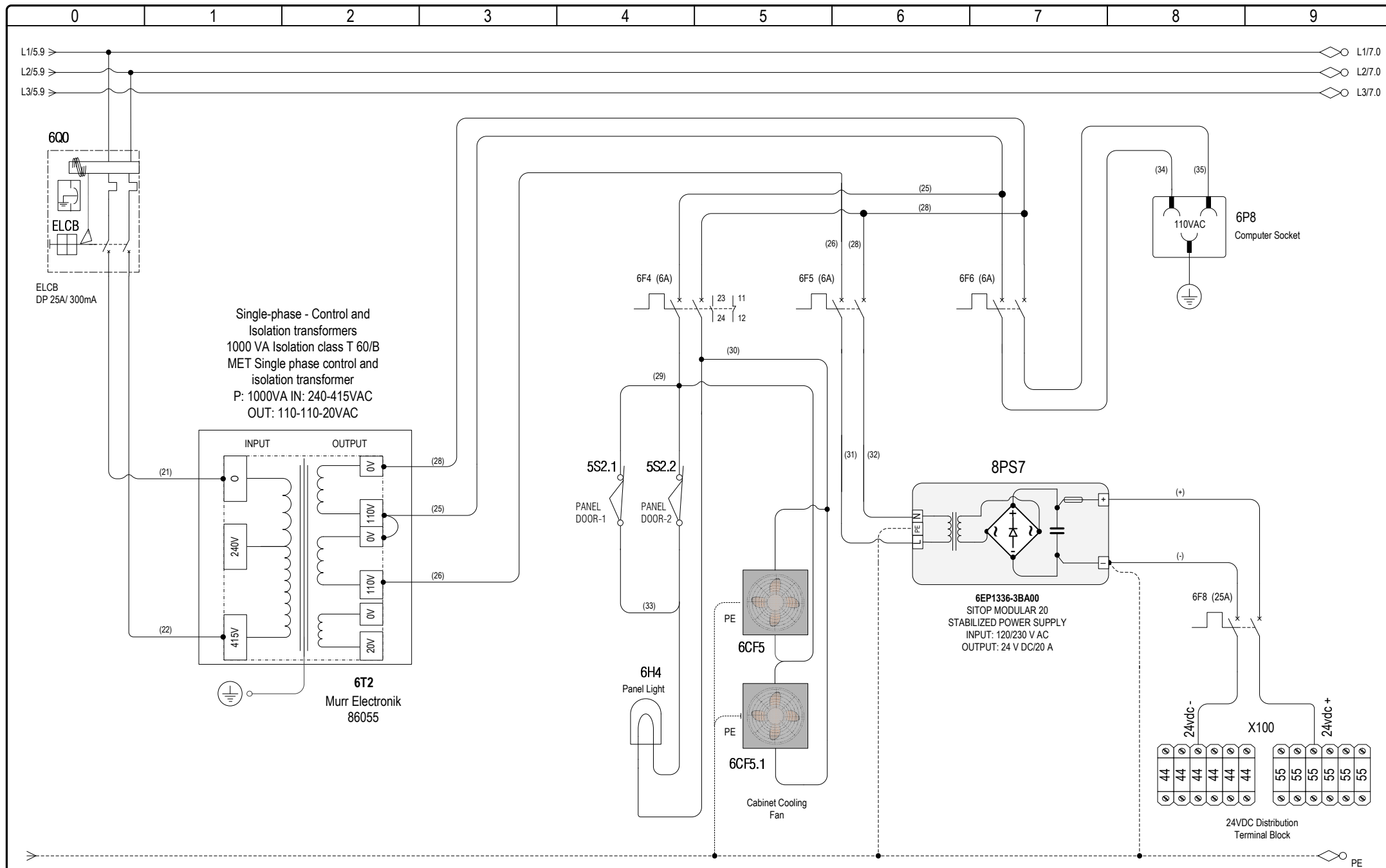
Panel Description

Panel Size for Filling Station (2000x1900x500mm) With Separate Main incoming zone (2000x400x500mm) Panel will be Floor Mounted type All Outgoing Cables at Right side through cable zone size (2000x400x500mm) Panel will be front side accessible with four doors. Outgoing Panel size will be (2000x1100x500mm) open door type Panel color RAL 7032 Siemens grey and mounting plate color orange

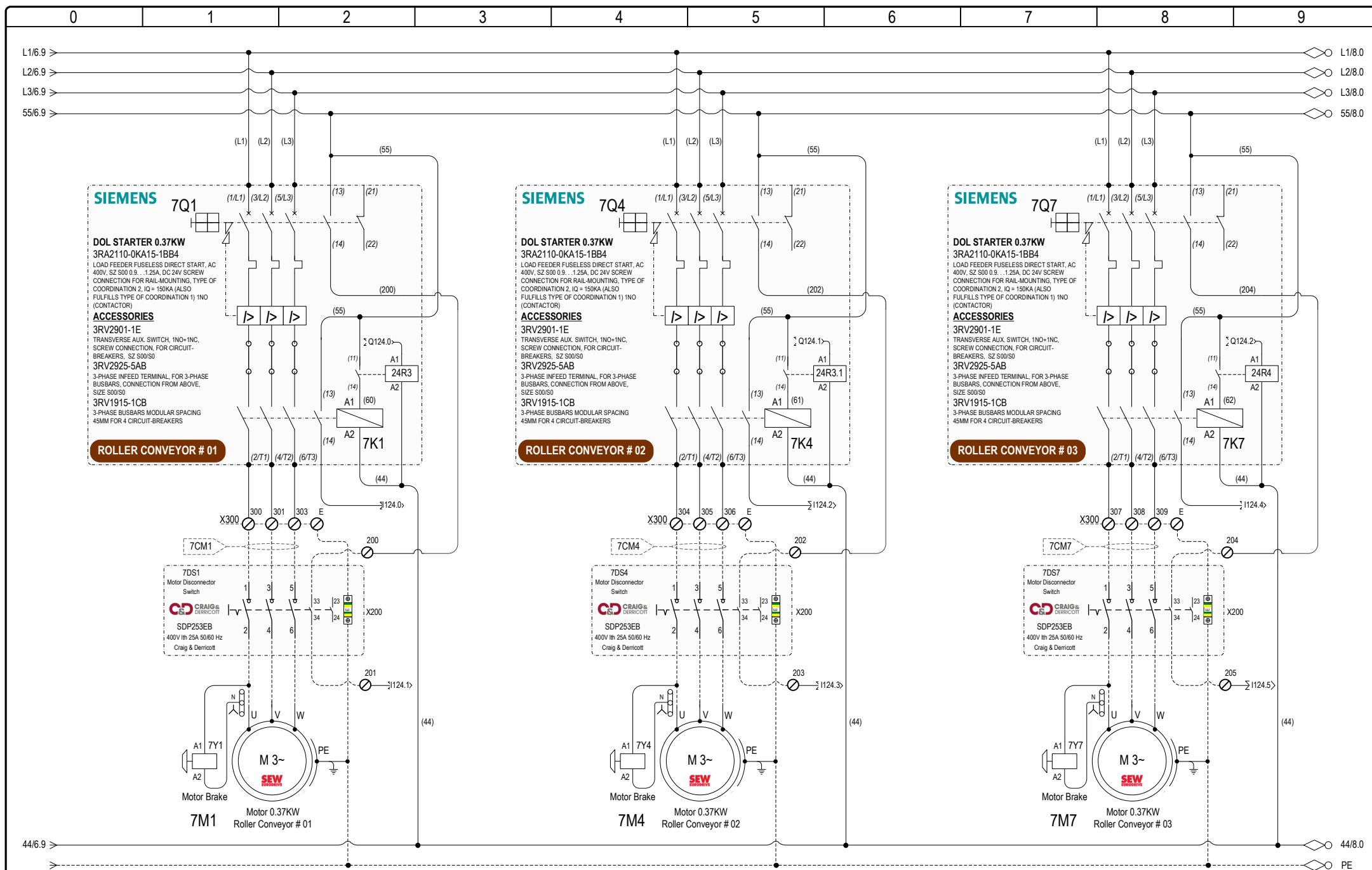


Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792	Drawing by: SARFRAZ	Title: PLC Control Panel for Tobacco Filling Station	Checked by: Tahir Rasool	Dated by: 22/08/13	Company Name: WATT n VOLT Industrial Automation & Engineering 18th km. Ferozpur Road, Lahore Pakistan. Tel: +92 42 35820595, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattvolt.com.pk Visit us: http://www.wattvolt.com.pk
	DWG #: WNV_PTC_005	Circuit Description: INTERNAL COMPONENTS AND PANEL LAYOUT	Folio: 3/44	Revised: 0	
		File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd			





Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792	Drawing by: SARFRAZ Checked by: Tahir Rasool DWG #: WNV_PTC_005	Title: PLC Control Panel for Tobacco Filling Station Circuit Description: ISOLATION TRANSFORMER AND PANEL ULTILITY CIRCUIT File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd	Dated by: 22/08/13 Folio: 6/44 Revised: 0	Company Name: WATT N VOLT Industrial Automation & Engineering 18* km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820595 35820296 Fax: +92 42 35820830 E-mail: wnv@wattvolt.com.pk Visit us: http://www.wattvolt.com.pk
---	---	---	---	--



Client Name:
Pakistan Tobacco Co. Ltd.
 Akora Khattak Factory
 P.O. Nowshera NWFP-Pakistan
 Tel: +92 (923) 630901-12
 Fax: +92 (923) 510792



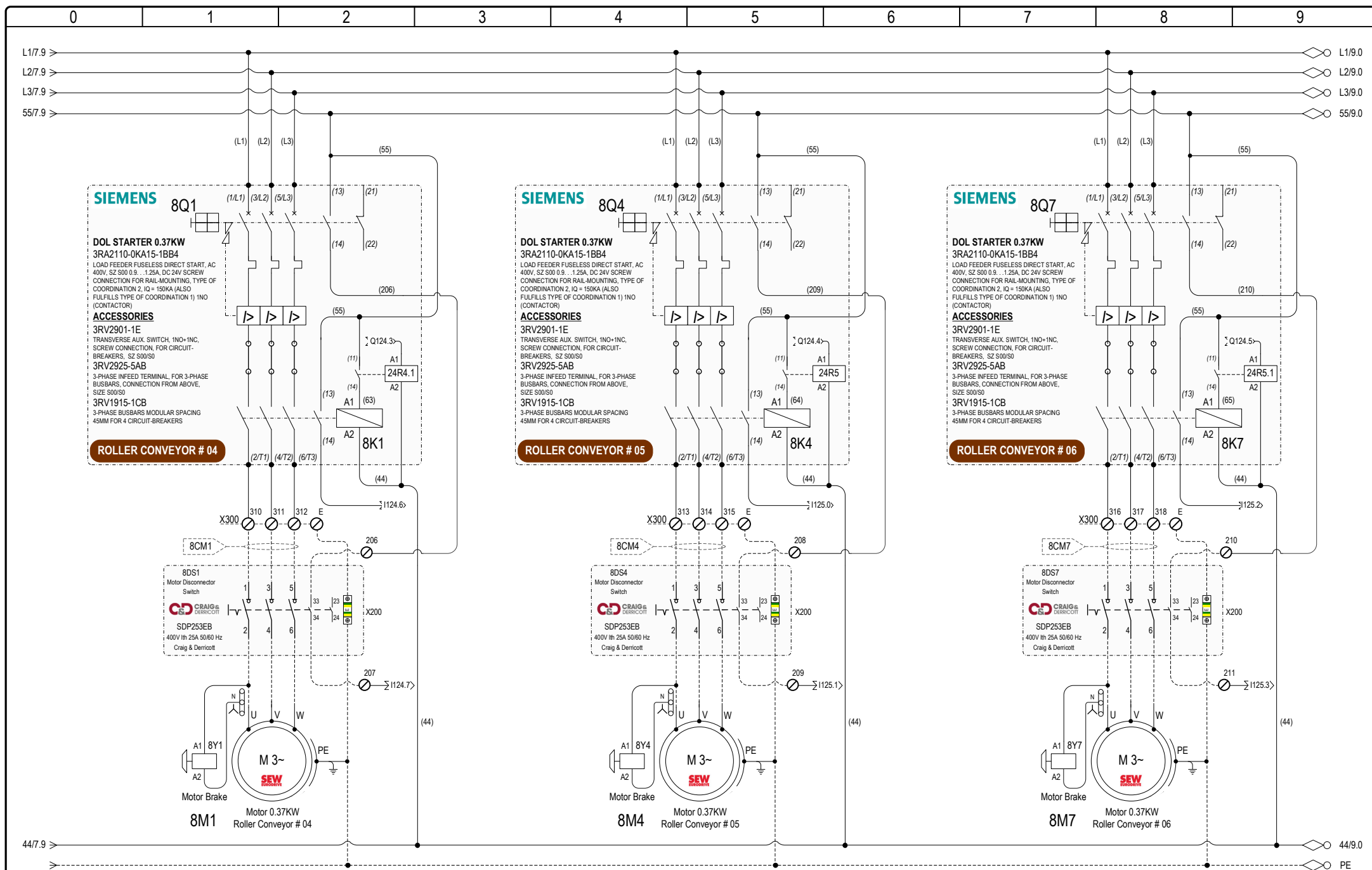
Drawing by: SARFRAZ
 Checked by: Tahir Rasool
 DWG #: WNV_PTC_005

Title: PLC Control Panel for Tobacco Filling Station
 Circuit Description: OUTGOING MOTOR CIRCUITS
 File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd

Dated by: 22/08/13
 Folio: 7/44
 Revised: 0

Company Name:
WATT n VOLT
 Industrial Automation & Engineering
 18th km. Ferozepur Road, Lahore Pakistan.
 Tel: +92 42 35820585, 35820296
 Fax: +92 42 35820830
 E-mail: wv@wattnvolt.com.pk
 Visit us: http://www.wattnvolt.com.pk





Client Name:
Pakistan Tobacco Co. Ltd.
 Akora Khattak Factory
 P.O. Nowshera NWFP-Pakistan
 Tel: +92 (923) 630901-12
 Fax: +92 (923) 510792



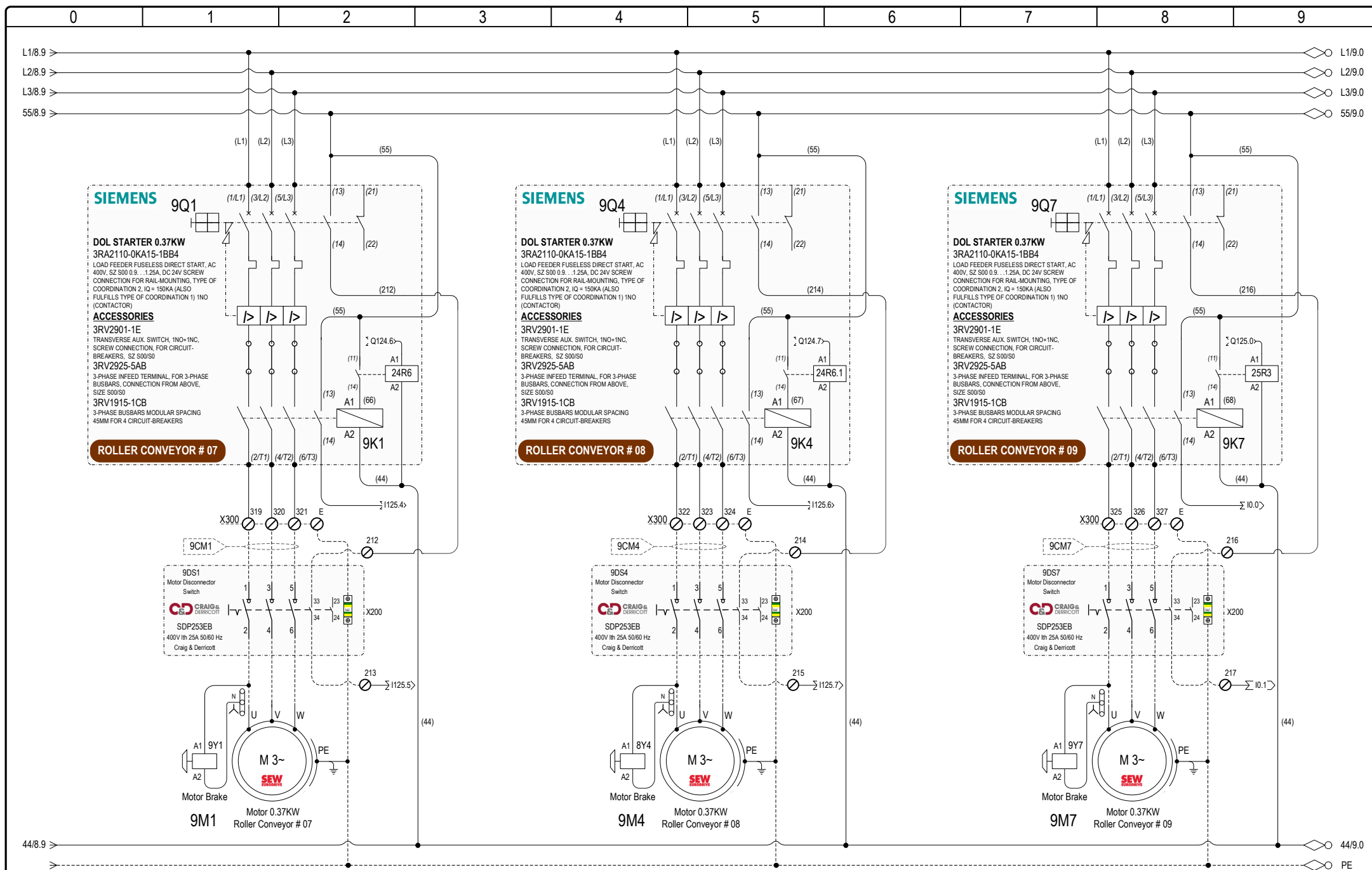
Drawing by: SARFRAZ
 Checked by: Tahir Rasool
 DWG #: WNV_PTC_005

Title: **PLC Control Panel for Tobacco Filling Station**
 Circuit Description: **OUTGOING MOTOR CIRCUITS**
 File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd

Dated by: 22/08/13
 Folio: 8/44
 Revised: 0

Company Name:
WATT N VOLT
 Industrial Automation & Engineering
 18th km. Ferozepur Road, Lahore Pakistan.
 Tel: +92 42 35820585, 35820296
 Fax: +92 42 35820830
 E-mail: wnv@wattnvolt.com.pk
 Visit us: http://www.wattnvolt.com.pk





Client Name:
Pakistan Tobacco Co. Ltd.
 Akora Khattak Factory
 P.O. Nowshera NWFP-Pakistan
 Tel: +92 (923) 630901-12
 Fax: +92 (923) 510792



Drawing by:

SARFRAZ

Checked by:

Tahir Rasool

DWG #:

WNV_PTC_005

Title:

PLC Control Panel for Tobacco Filling Station

Circuit Description:

OUTGOING MOTOR CIRCUITS

File & Directory Name:

D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd

Dated by:

22/08/13

Folio:

9/44

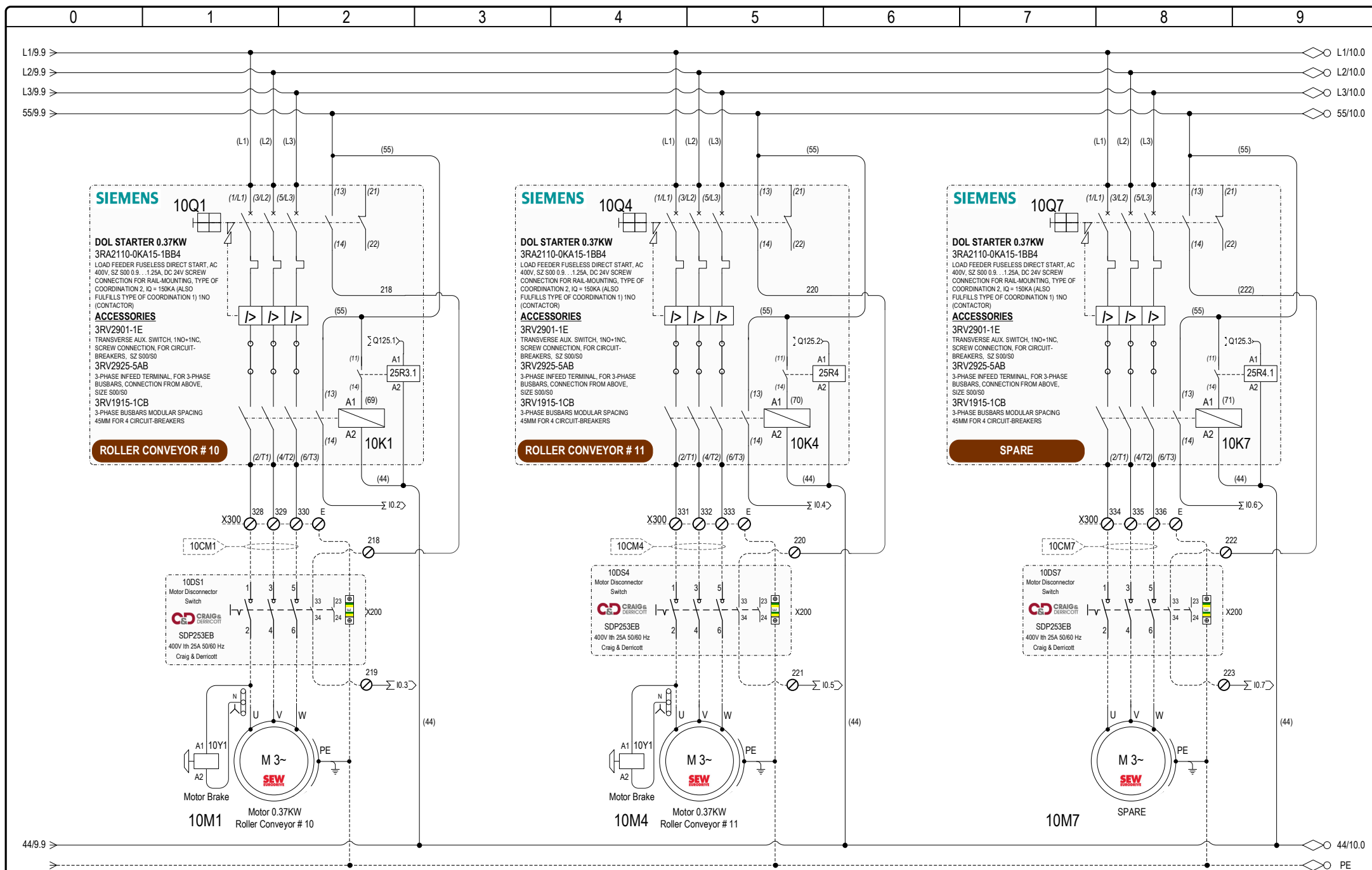
Revised:

0

Company Name:
WATT n VOLT

Industrial Automation & Engineering
 18th km. Ferozepur Road, Lahore Pakistan.
 Tel: +92 42 35820585, 35820296
 Fax: +92 42 35820830
 E-mail: wv@wattnvolt.com.pk
 Visit us: http://www.wattnvolt.com.pk





Client Name:
Pakistan Tobacco Co. Ltd.
 Akora Khattak Factory
 P.O. Nowshera NWFP-Pakistan
 Tel: +92 (923) 630901-12
 Fax: +92 (923) 510792



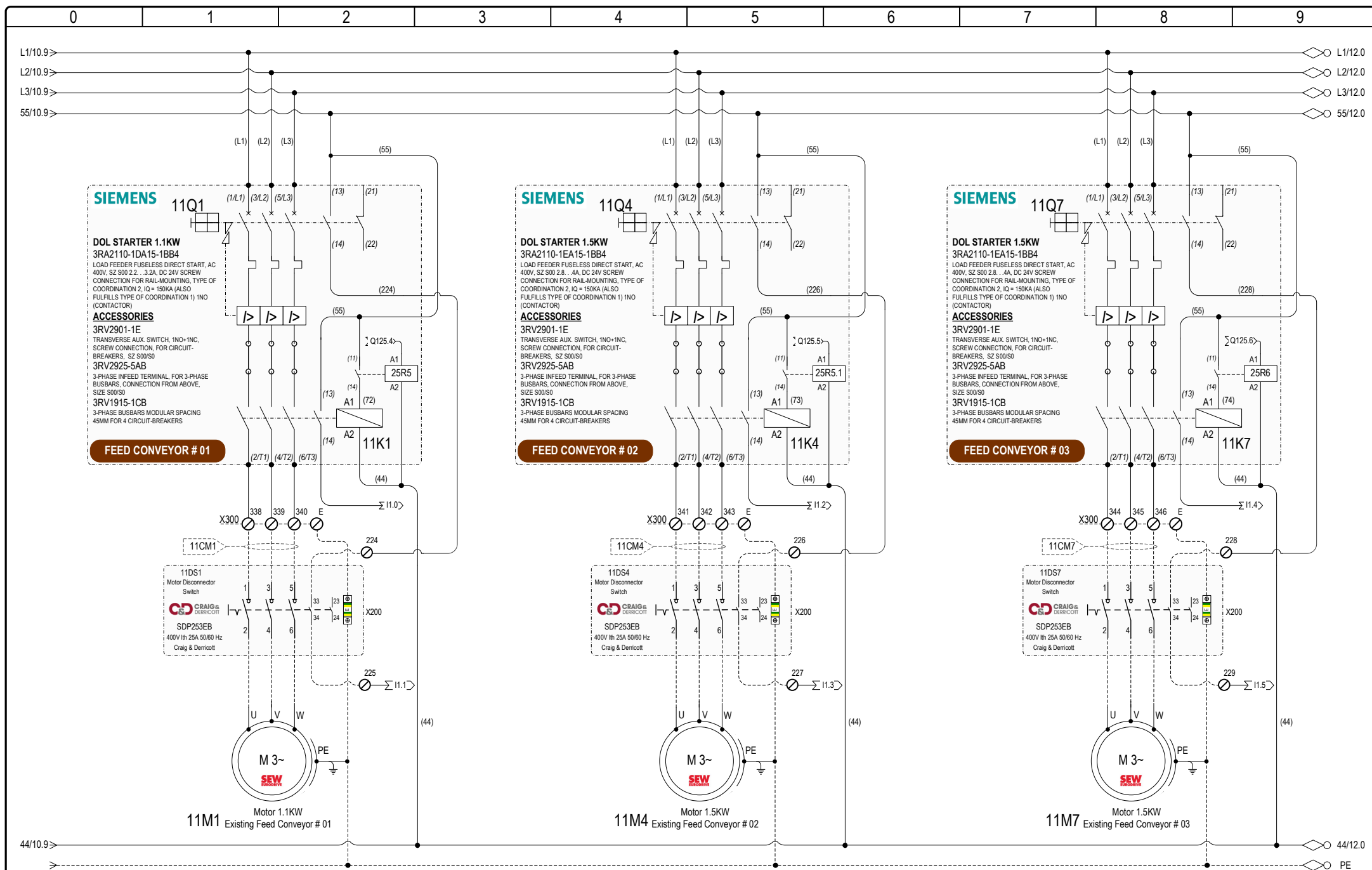
Drawing by: SARFRAZ
 Checked by: Tahir Rasool
 DWG #: WNV_PTC_005

Title: **PLC Control Panel for Tobacco Filling Station**
 Circuit Description: **OUTGOING MOTOR CIRCUITS**
 File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd

Dated by: 22/08/13
 Folio: 10/44
 Revised: 0

Company Name:
WATT n VOLT
 Industrial Automation & Engineering
 18th km. Ferozepur Road, Lahore Pakistan.
 Tel: +92 42 35820585, 35820296
 Fax: +92 42 35820830
 E-mail: wv@wattvolt.com.pk
 Visit us: http://www.wattvolt.com.pk





Client Name:
Pakistan Tobacco Co. Ltd.
 Akora Khattak Factory
 P.O. Nowshera NWFP-Pakistan
 Tel: +92 (923) 630901-12
 Fax: +92 (923) 510792



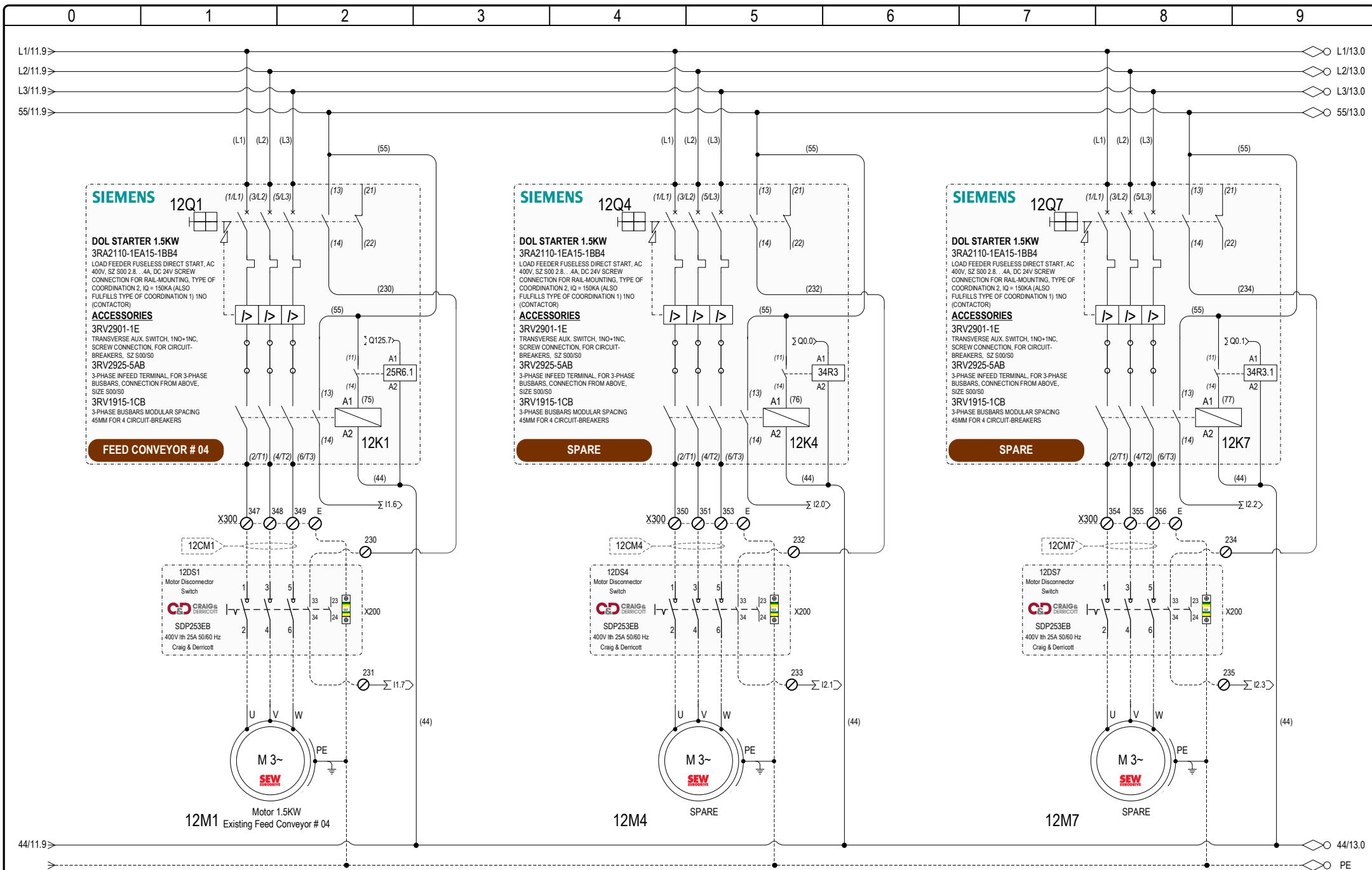
Drawing by: SARFRAZ
 Checked by: Tahir Rasool
 DWG #: WNV_PTC_005

Title: **PLC Control Panel for Tobacco Filling Station**
 Circuit Description: **OUTGOING MOTOR CIRCUITS**
 File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd

Dated by: 22/08/13
 Folio: 11/44
 Revised: 0

Company Name:
WATT n VOLT
 Industrial Automation & Engineering
 18th km. Ferozepur Road, Lahore Pakistan.
 Tel: +92 42 35820585, 35820296
 Fax: +92 42 35820830
 E-mail: wv@wattvolt.com.pk
 Visit us: http://www.wattvolt.com.pk





Client Name:
Pakistan Tobacco Co. Ltd.
Akora Khattak Factory
P.O. Nowshera NWFP-Pakistan
Tel: +92 (923) 630901-12
Fax: +92 (923) 510792



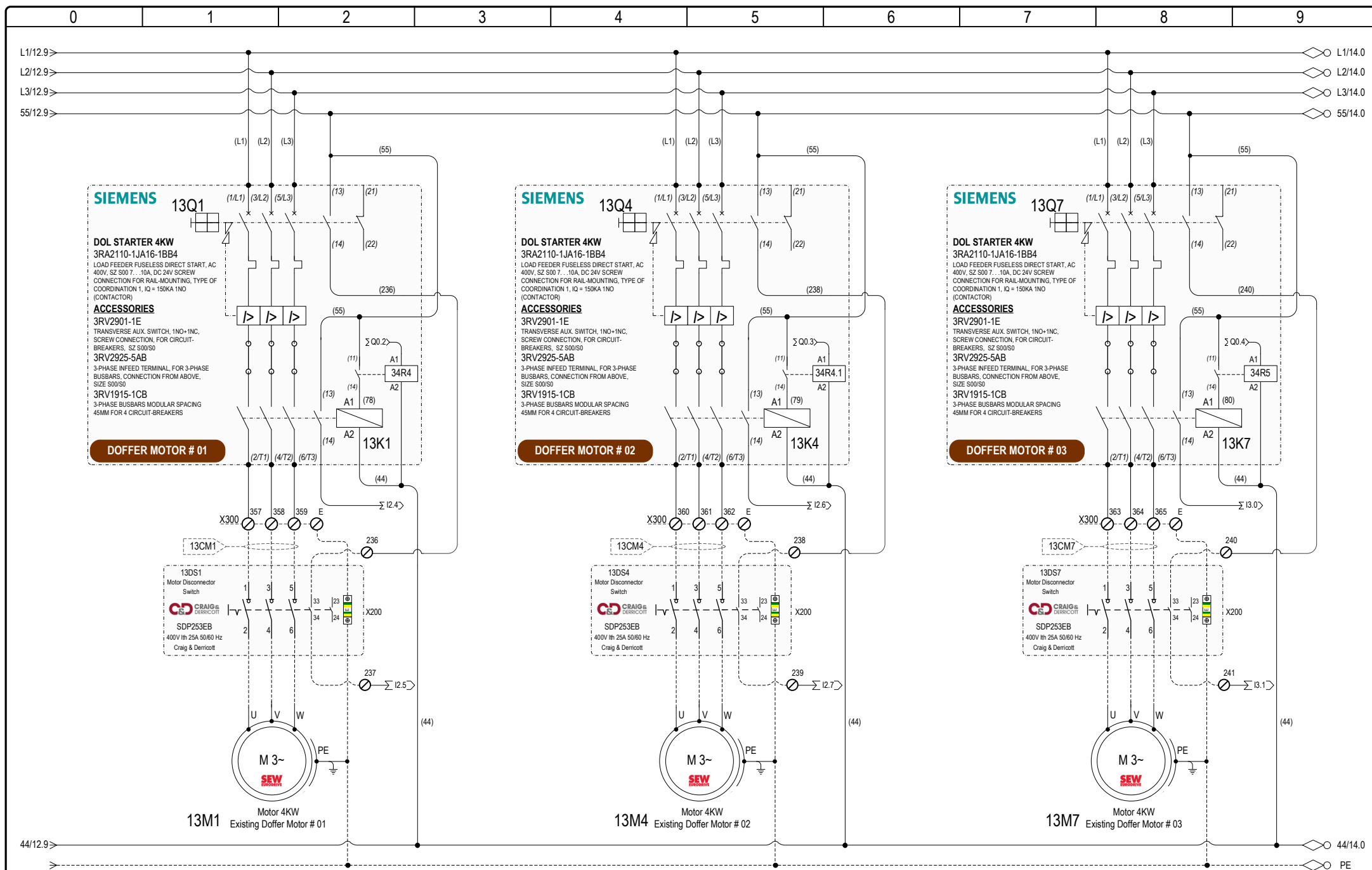
Drawing by: SARFRAZ
Checked by: Tahir Rasool
DWG #: WNV_PTC_005

Title: PLC Control Panel for Tobacco Filling Station
Circuit Description: OUTGOING MOTOR CIRCUITS
File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd

Dated by: 22/08/13
Folio: 12/44
Revised: 0

Company Name:
WATT N VOLT
Industrial Automation & Engineering
18th km. Ferozepur Road, Lahore Pakistan.
Tel: +92 42 35820585, 35820296
Fax: +92 42 35820830
E-mail: wnv@wattnvolt.com.pk
Visit us: http://www.wattnvolt.com.pk





Client Name:
Pakistan Tobacco Co. Ltd.
 Akora Khattak Factory
 P.O. Nowshera NWFP-Pakistan
 Tel: +92 (923) 630901-12
 Fax: +92 (923) 510792



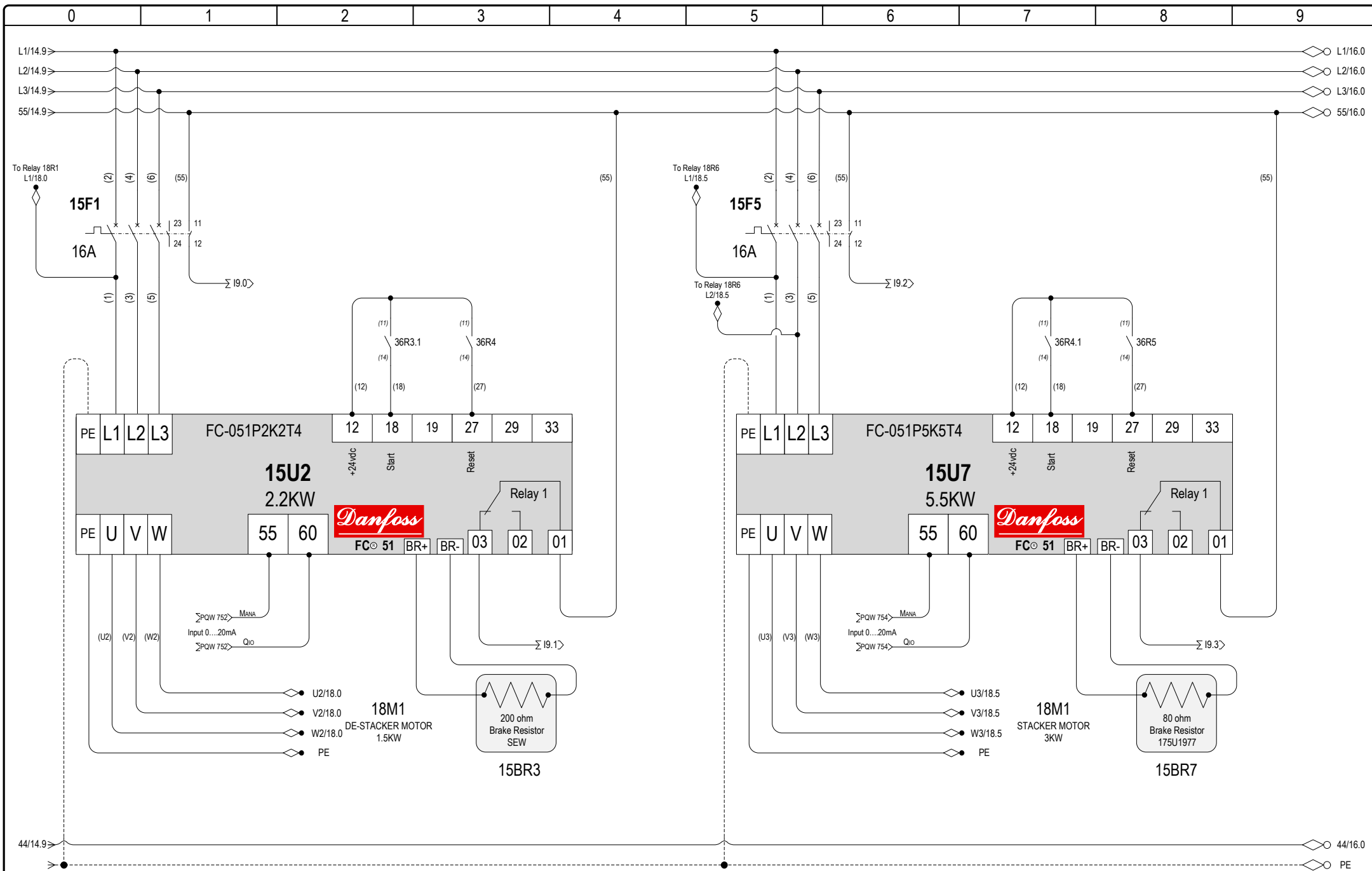
Drawing by: SARFRAZ
 Checked by: Tahir Rasool
 DWG #: WNV_PTC_005

Title: PLC Control Panel for Tobacco Filling Station
 Circuit Description: OUTGOING MOTOR CIRCUITS
 File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd

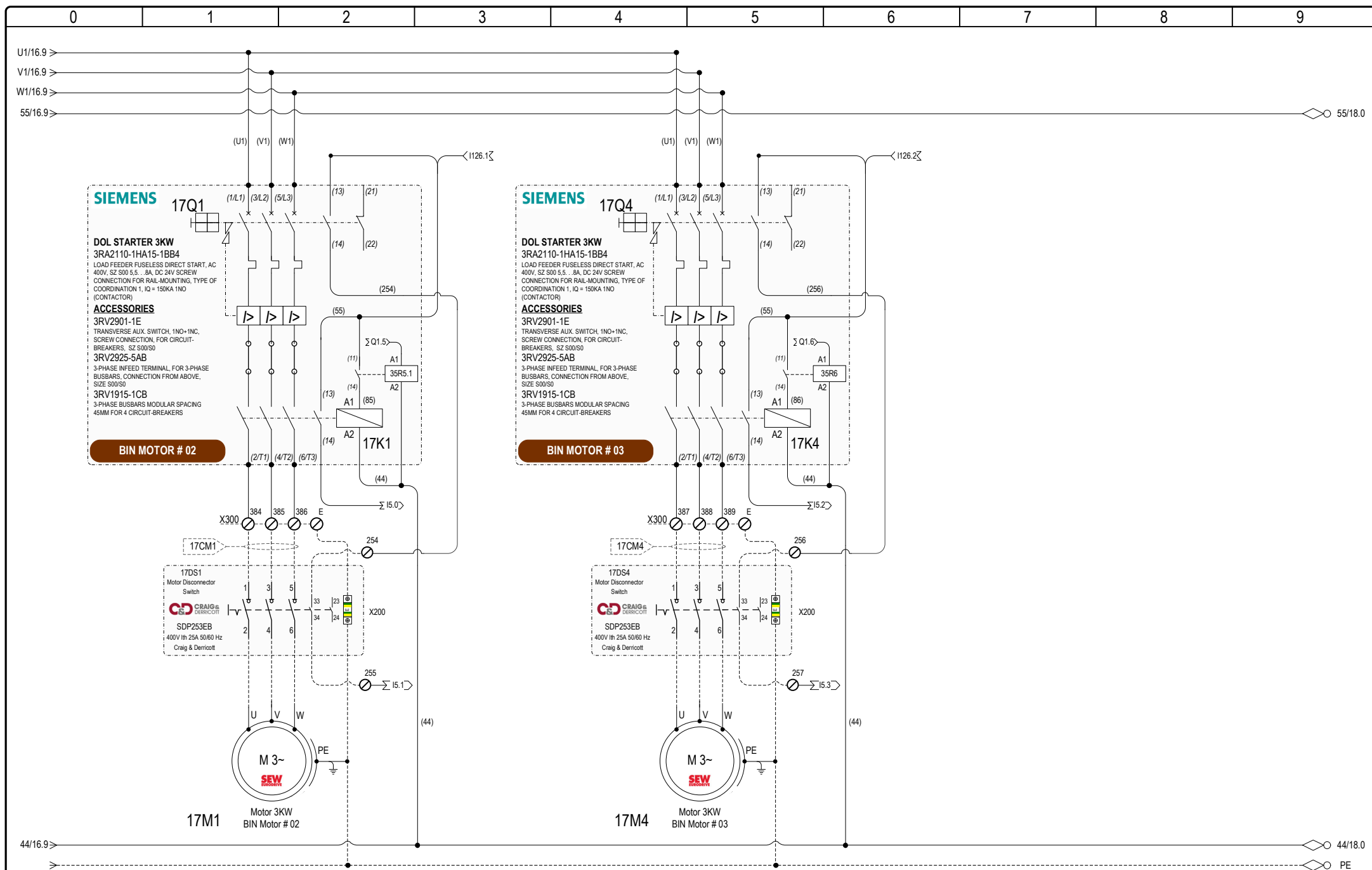
Dated by: 22/08/13
 Folio: 13/44
 Revised: 0

Company Name:
WATT n VOLT
 Industrial Automation & Engineering
 18th km. Ferozepur Road, Lahore Pakistan.
 Tel: +92 42 35820585, 35820296
 Fax: +92 42 35820830
 E-mail: wnv@wattnvolt.com.pk
 Visit us: http://www.wattnvolt.com.pk



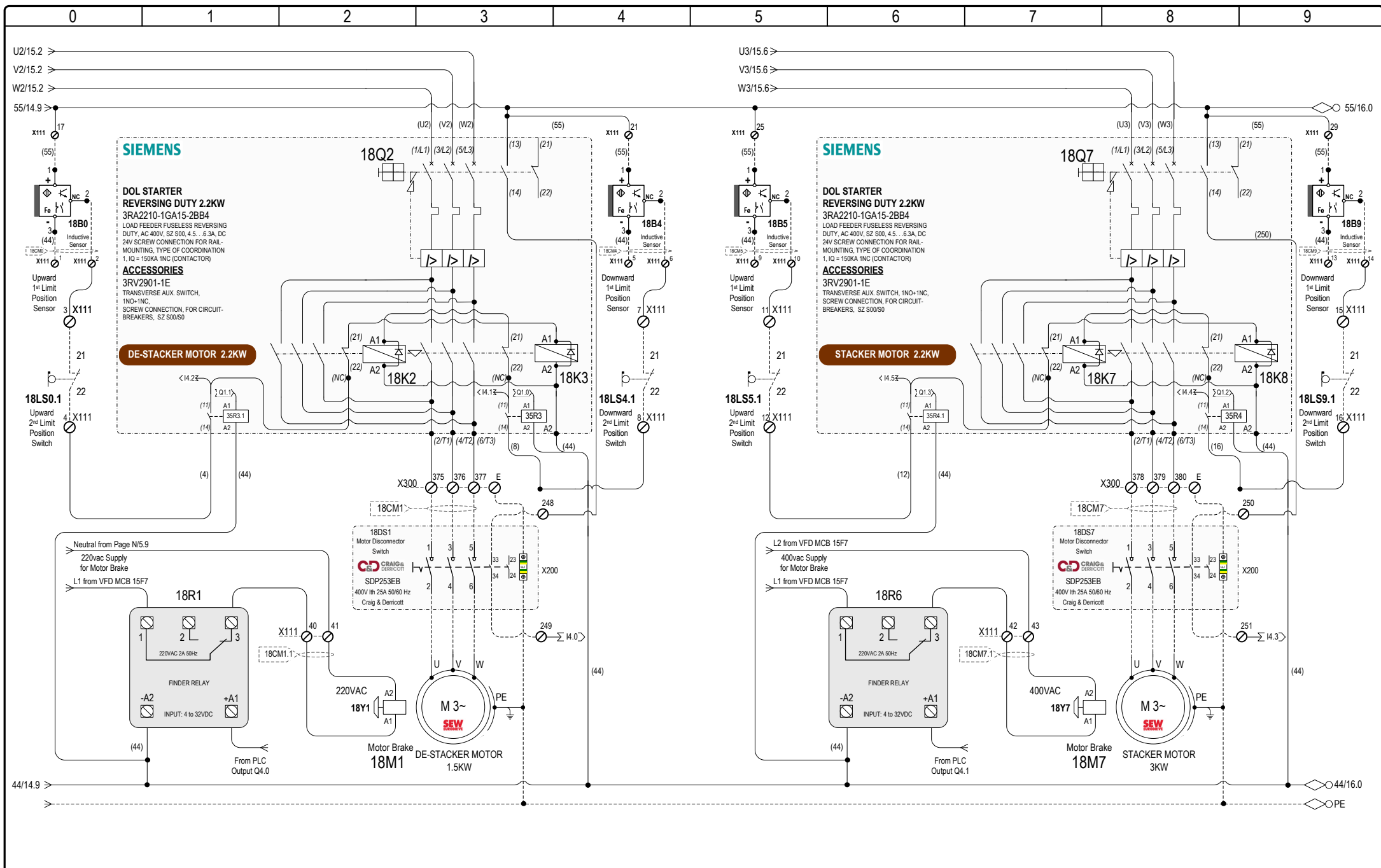


Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792	Drawing by:	SARFRAZ	Title: PLC Control Panel for Tobacco Filling Station				Dated by:	22/08/13	Company Name: WATT N VOLT Industrial Automation & Engineering 18*-km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattnvolt.com.pk Visit us: http://www.wattnvolt.com.pk
	Checked by:	Tahir Rasool	Circuit Description: OUTGOING MOTOR CIRCUITS				Folio:	15/44	
	DWG #:	WNV_PTC_005	File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd				Revised:	0	



Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792	Drawing by: SARFRAZ Checked by: Tahir Rasool DWG #: WNV_PTC_005	Title: PLC Control Panel for Tobacco Filling Station Circuit Description: OUTGOING MOTOR CIRCUITS File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd	Dated by: 22/08/13 Folio: 17/44 Revised: 0	Company Name: WATT n VOLT Industrial Automation & Engineering 18 th km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattnvolt.com.pk Visit us: http://www.wattnvolt.com.pk
---	---	--	--	--





Client Name:
Pakistan Tobacco Co. Ltd.
Akora Khattak Factory
P.O. Nowshera NWFP-Pakistan
Tel: +92 (923) 630901-12
Fax: +92 (923) 510792



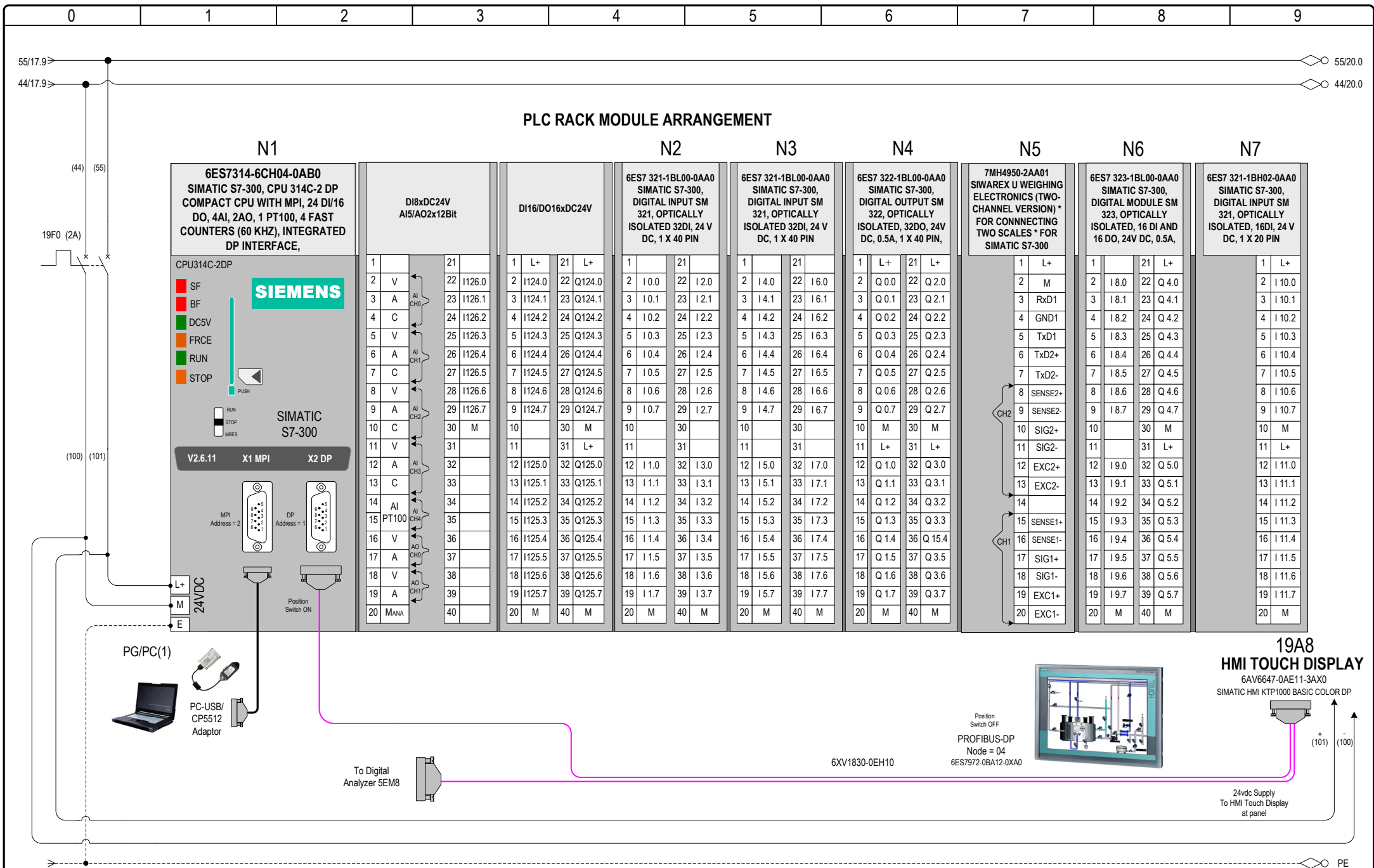
Drawing by: SARFRAZ
Checked by: Tahir Rasool
DWG #: WNV_PTC_005

Title: PLC Control Panel for Tobacco Filling Station
Circuit Description: OUTGOING MOTOR CIRCUITS
File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd

Dated by: 22/08/13
Folio: 18/44
Revised: 0

Company Name:
WATT n VOLT
Industrial Automation & Engineering
18th km. Ferozepur Road, Lahore Pakistan.
Tel: +92 42 35820595 35820296
Fax: +92 42 35820830
E-mail: wnv@wattvolt.com.pk
Visit us: http://www.wattvolt.com.pk





Client Name:
Pakistan Tobacco Co. Ltd.
 Akora Khattak Factory
 P.O. Nowshera NWFP-Pakistan
 Tel: +92 (923) 630901-12
 Fax: +92 (923) 510792



Drawing by: SARFRAZ
 Checked by: Tahir Rasool
 DWG #: WNV_PTC_005

Title: **PLC Control Panel for Tobacco Filling Station**
 Circuit Description: **PLC RACK MODULE ARRANGEMENT**
 File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd

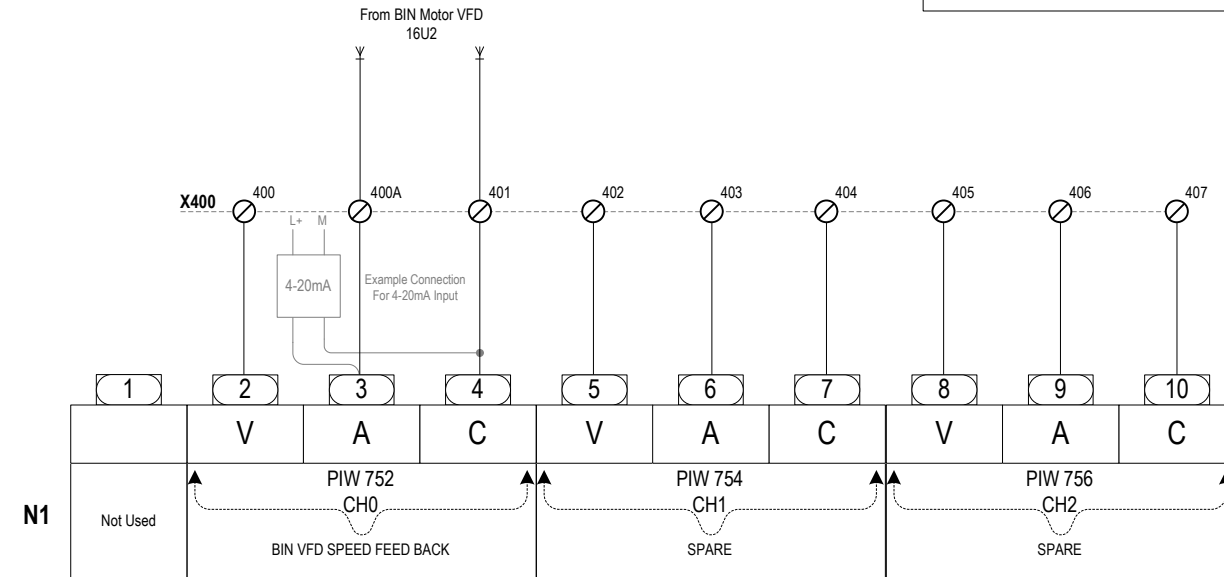
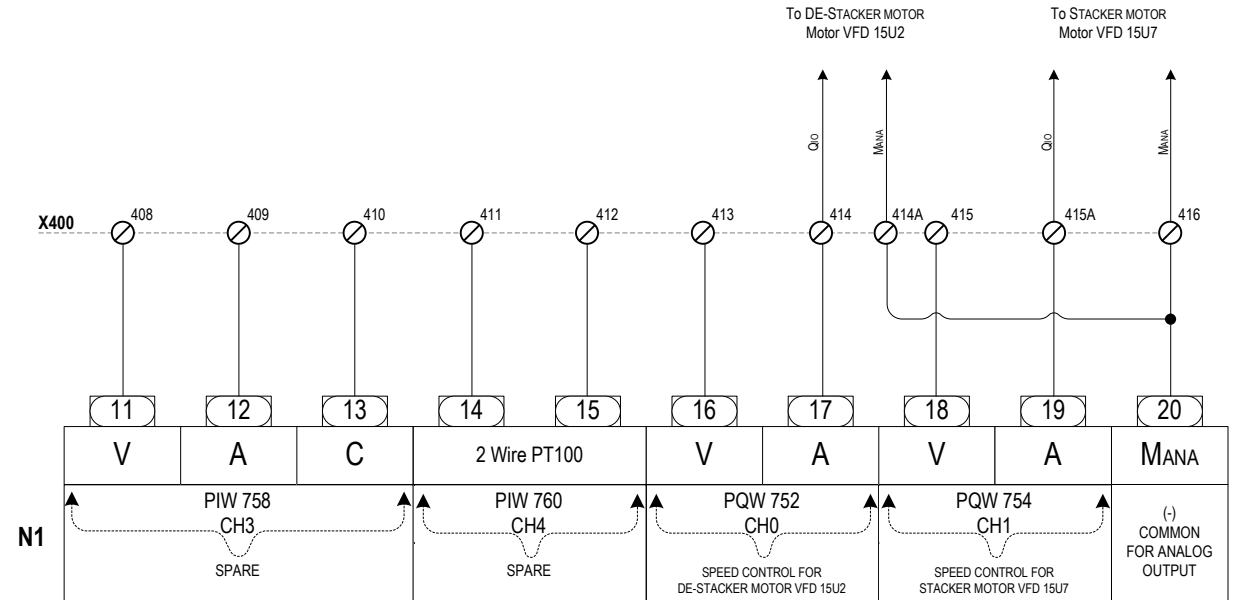
Dated by: 22/08/13
 Folio: 19/44
 Revised: 0

Company Name:
WATT N VOLT
 Industrial Automation & Engineering
 18*-km. Ferozepur Road, Lahore Pakistan.
 Tel: +92 42 35820585, 35820296
 Fax: +92 42 35820830
 E-mail: wnv@wattnvolt.com.pk
 Visit us: http://www.wattnvolt.com.pk



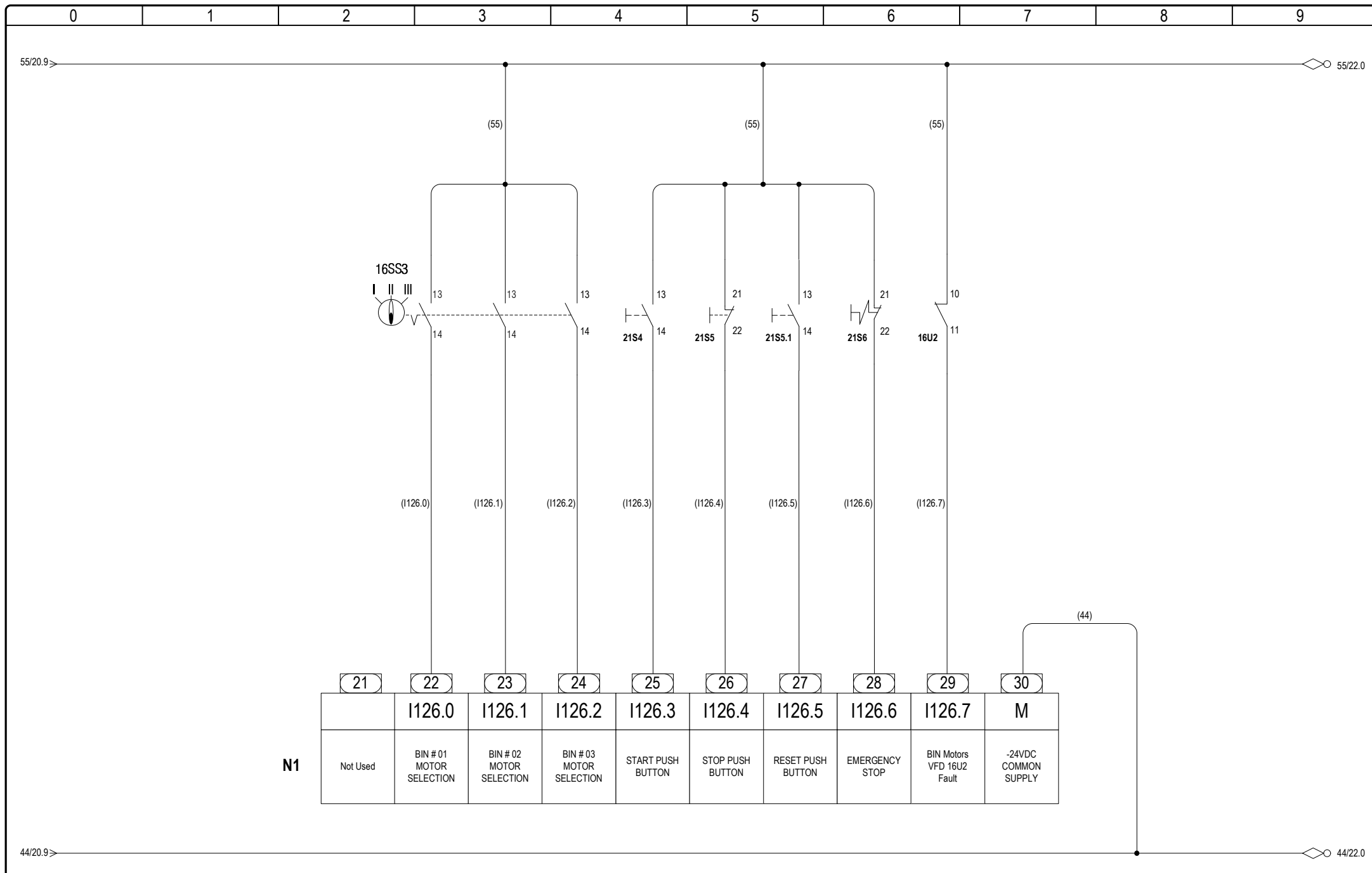
55/19.9

55/21.0



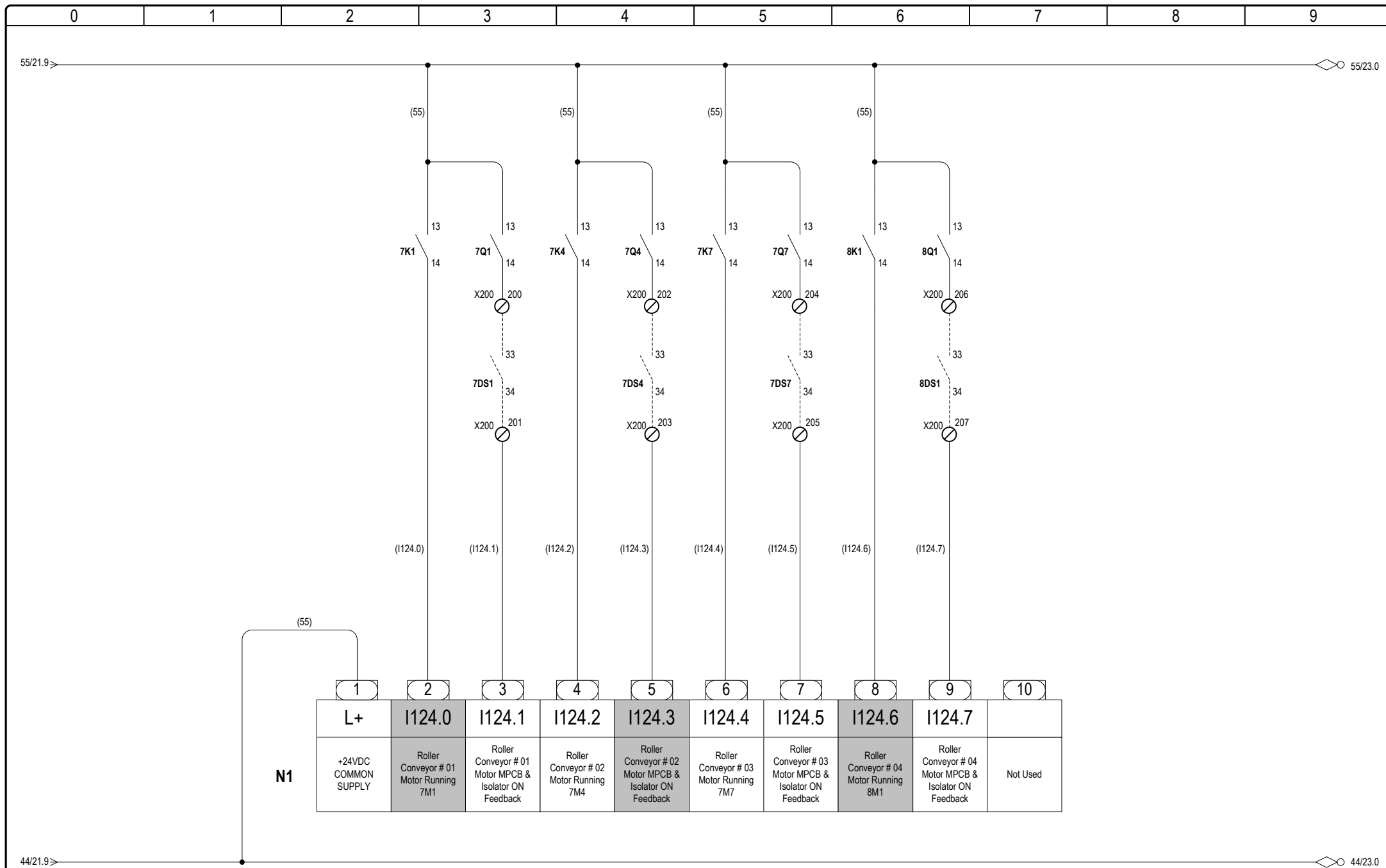
44/19.9

44/21.0



Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792	Drawing by:	SARFRAZ	Title: PLC Control Panel for Tobacco Filling Station				Dated by:	22/08/13	Company Name: WATT n VOLT Industrial Automation & Engineering 18th km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattnvolt.com.pk Visit us: http://www.wattnvolt.com.pk
	Checked by:	Tahir Rasool	Circuit Description: CPU Integrated Digital Input Circuit				Folio:	21/44	
	DWG #:	WNV_PTC_005	File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd				Revised:	0	





Client Name:
Pakistan Tobacco Co. Ltd.
 Akora Khattak Factory
 P.O. Nowshera NWFP-Pakistan
 Tel: +92 (923) 630901-12
 Fax: +92 (923) 510792



Drawing by:

SARFRAZ

Checked by:

Tahir Rasool

DWG #:

WNV_PTC_005

Title:

PLC Control Panel for Tobacco Filling Station

Circuit Description:

CPU Integrated Digital Input Circuit

File & Directory Name:

D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd

Dated by:

22/08/13

Folio:

22/44

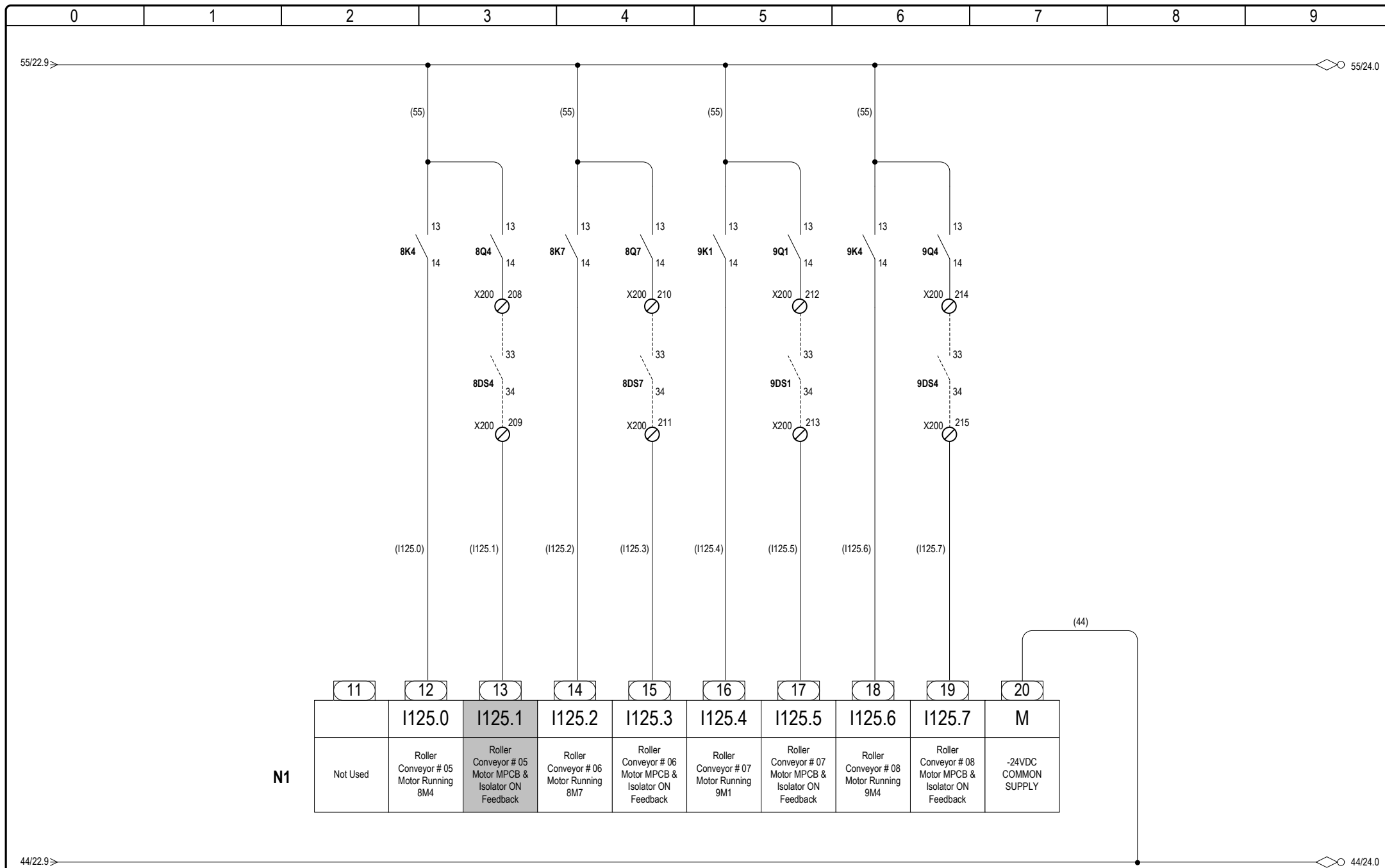
Revised:

0

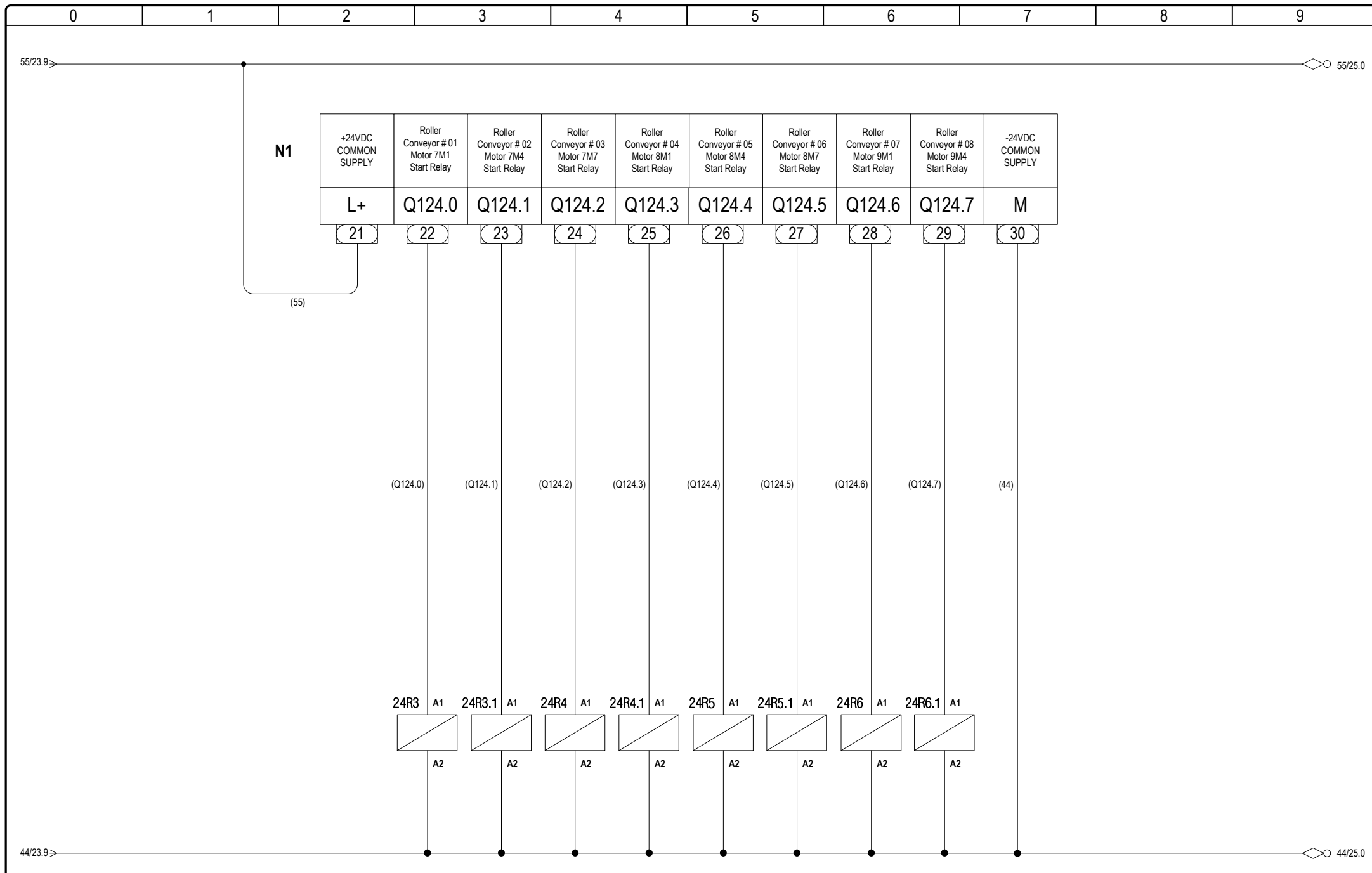
Company Name:
WATT n VOLT

Industrial Automation & Engineering
 18th km. Ferozepur Road, Lahore Pakistan.
 Tel: +92 42 35820585, 35820296
 Fax: +92 42 35820830
 E-mail: wvn@wattvolt.com.pk
 Visit us: <http://www.wattvolt.com.pk>



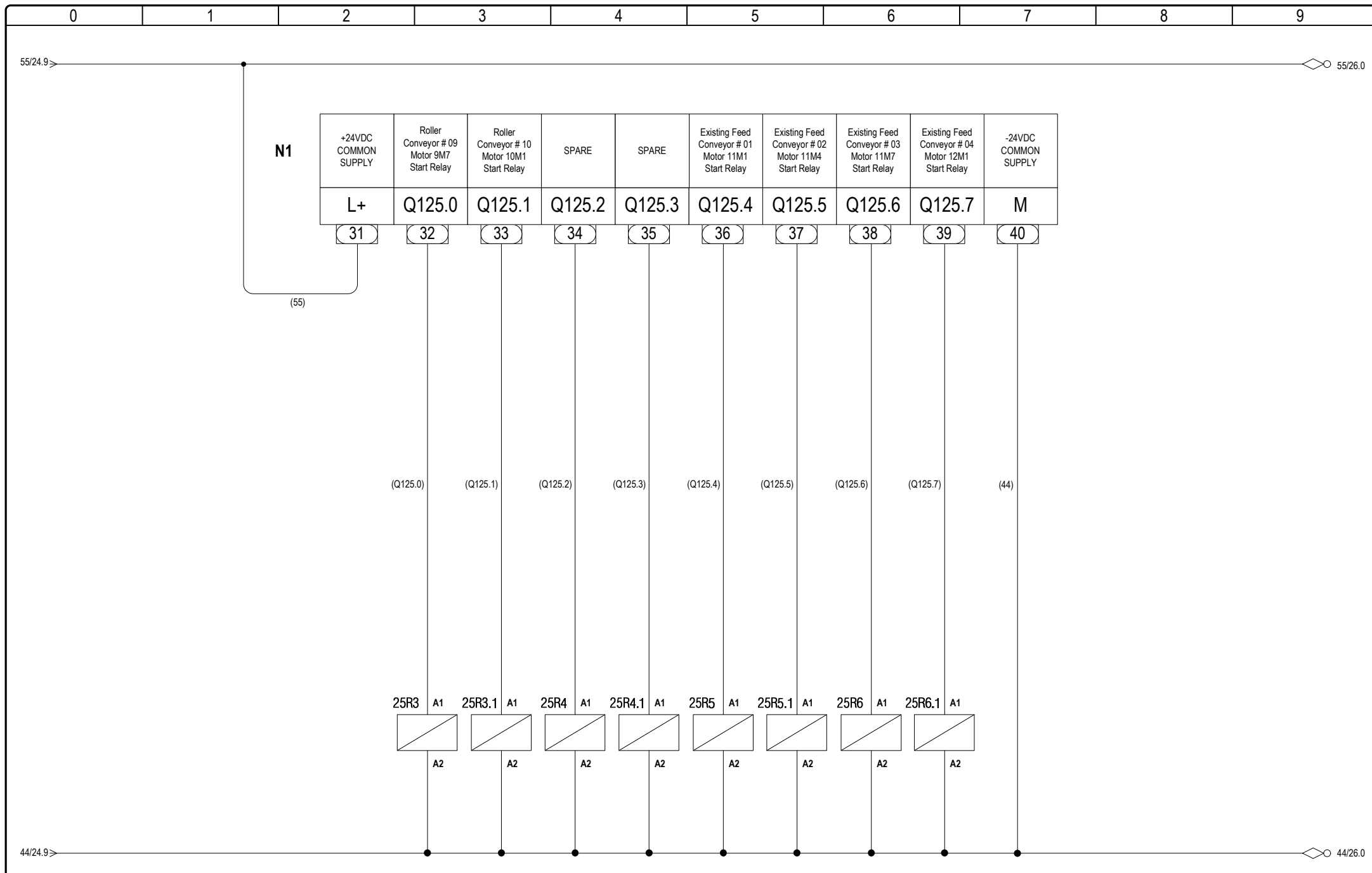


Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792	Drawing by:	SARFRAZ	Title: PLC Control Panel for Tobacco Filling Station				Dated by:	22/08/13	Company Name: WATT n VOLT Industrial Automation & Engineering 18 th km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattvolt.com.pk Visit us: http://www.wattvolt.com.pk
	Checked by:	Tahir Rasool	Circuit Description: CPU Integrated Digital Input Circuit				Folio:	23/44	
	DWG #:	WNV_PTC_005	File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd				Revised:	0	



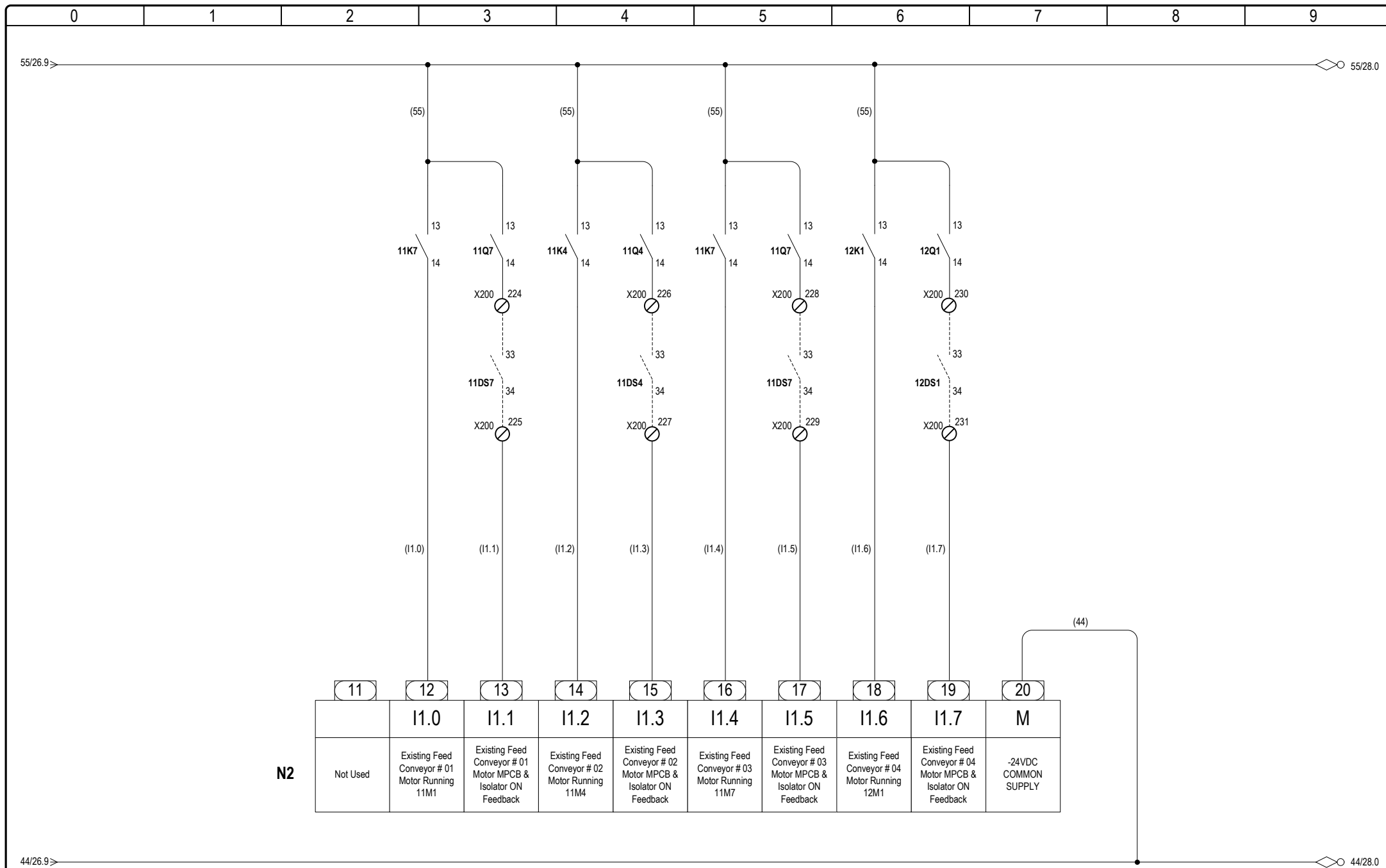
Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792	Drawing by:	SARFRAZ	Title: PLC Control Panel for Tobacco Filling Station				Dated by:	22/08/13	Company Name: WATT n VOLT Industrial Automation & Engineering 18th km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattvolt.com.pk Visit us: http://www.wattvolt.com.pk
	Checked by:	Tahir Rasool	Circuit Description: CPU Integrated Digital Output Circuit				Folio:	24/44	
	DWG #:	WNV_PTC_005	File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd				Revised:	0	



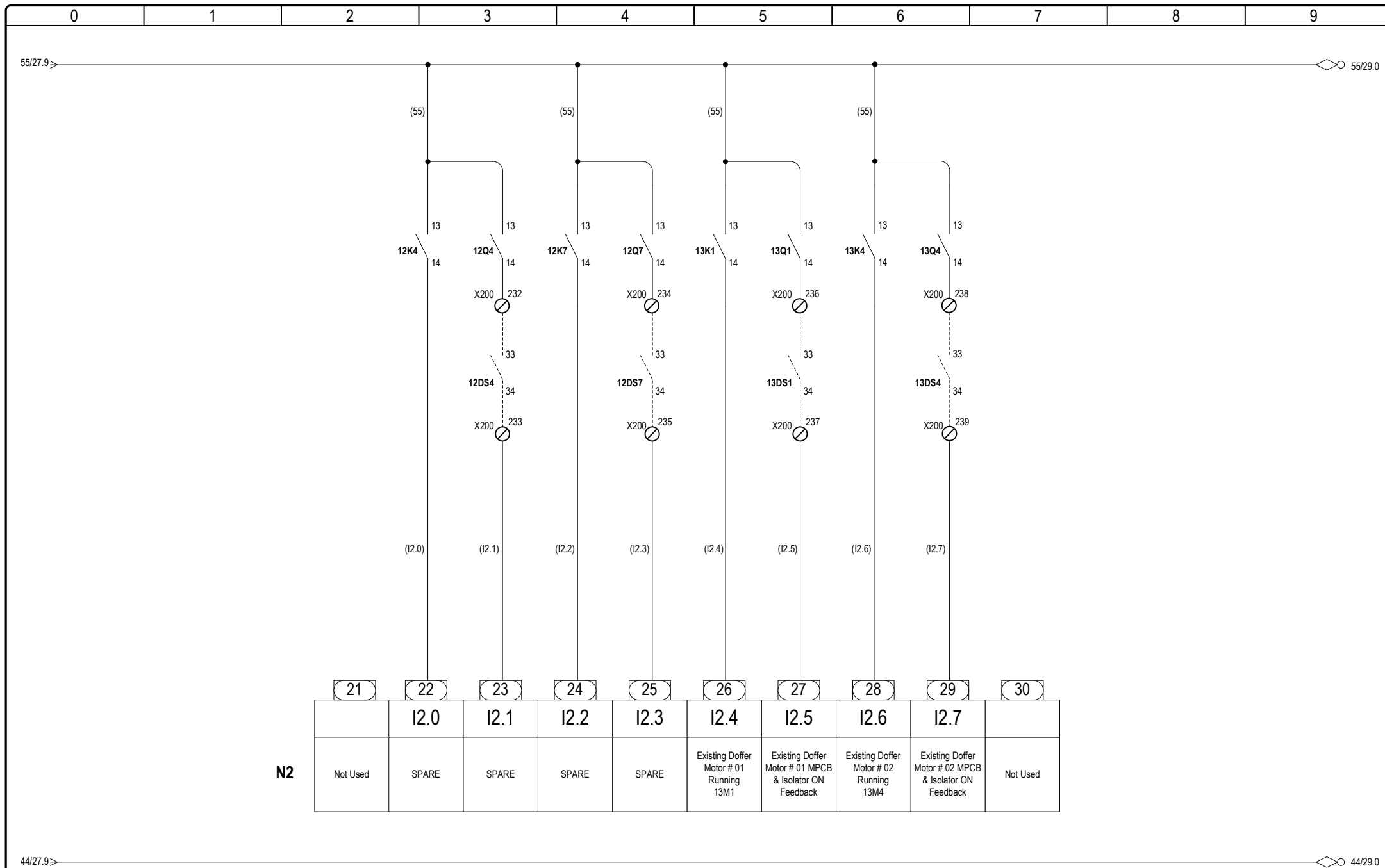


Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792	Drawing by:	SARFRAZ	Title: PLC Control Panel for Tobacco Filling Station				Dated by:	22/08/13	Company Name: WATT n VOLT Industrial Automation & Engineering 18th km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattvolt.com.pk Visit us: http://www.wattvolt.com.pk
	Checked by:	Tahir Rasool	Circuit Description: CPU Integrated Digital Output Circuit				Folio:	25/44	
	DWG #:	WNV_PTC_005	File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd				Revised:	0	

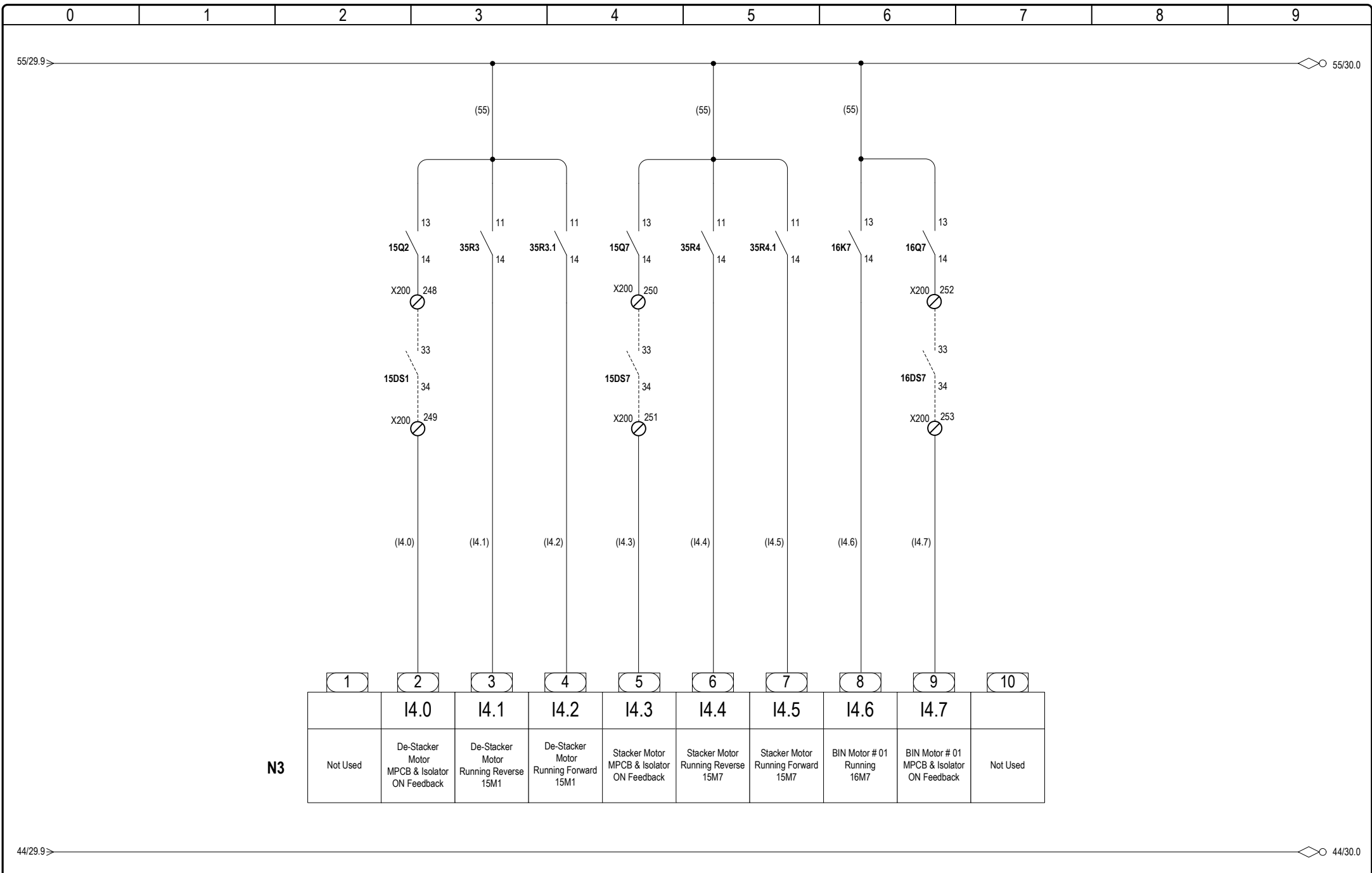




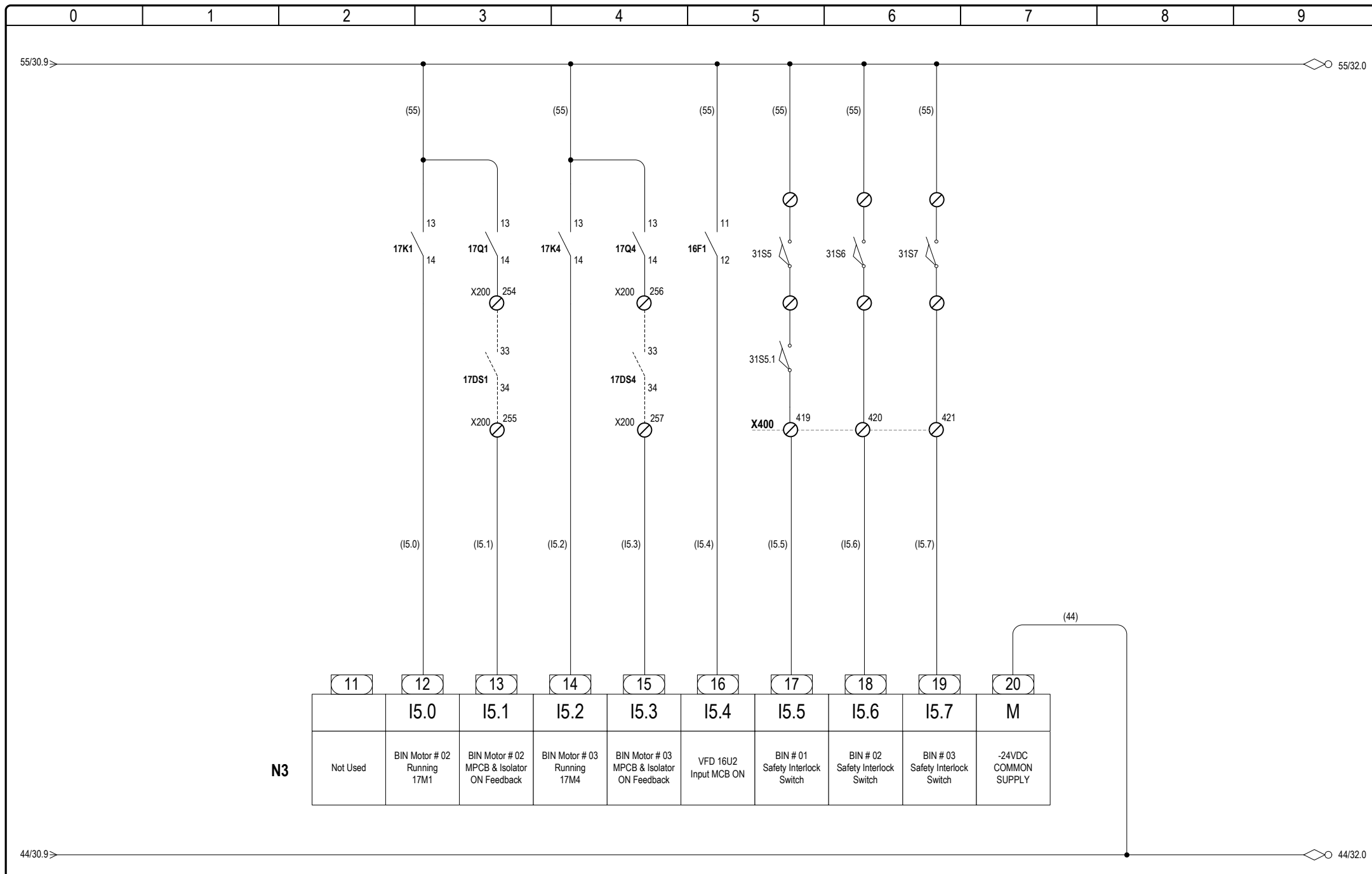
Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792	Drawing by:	SARFRAZ	Title: PLC Control Panel for Tobacco Filling Station				Dated by:	22/08/13	Company Name: WATT n VOLT Industrial Automation & Engineering 18 th km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattvolt.com.pk Visit us: http://www.wattvolt.com.pk
	Checked by:	Tahir Rasool	Circuit Description: Digital Input Module Circuit				Folio:	27/44	
	DWG #:	WNV_PTC_005	File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd				Revised:	0	



Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792	Drawing by:	SARFRAZ	Title: PLC Control Panel for Tobacco Filling Station				Dated by:	22/08/13	Company Name: WATT n VOLT Industrial Automation & Engineering 18th km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattnvolt.com.pk Visit us: http://www.wattnvolt.com.pk
	Checked by:	Tahir Rasool	Circuit Description: Digital Input Module Circuit				Folio:	28/44	
	DWG #:	WNV_PTC_005	File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd				Revised:	0	

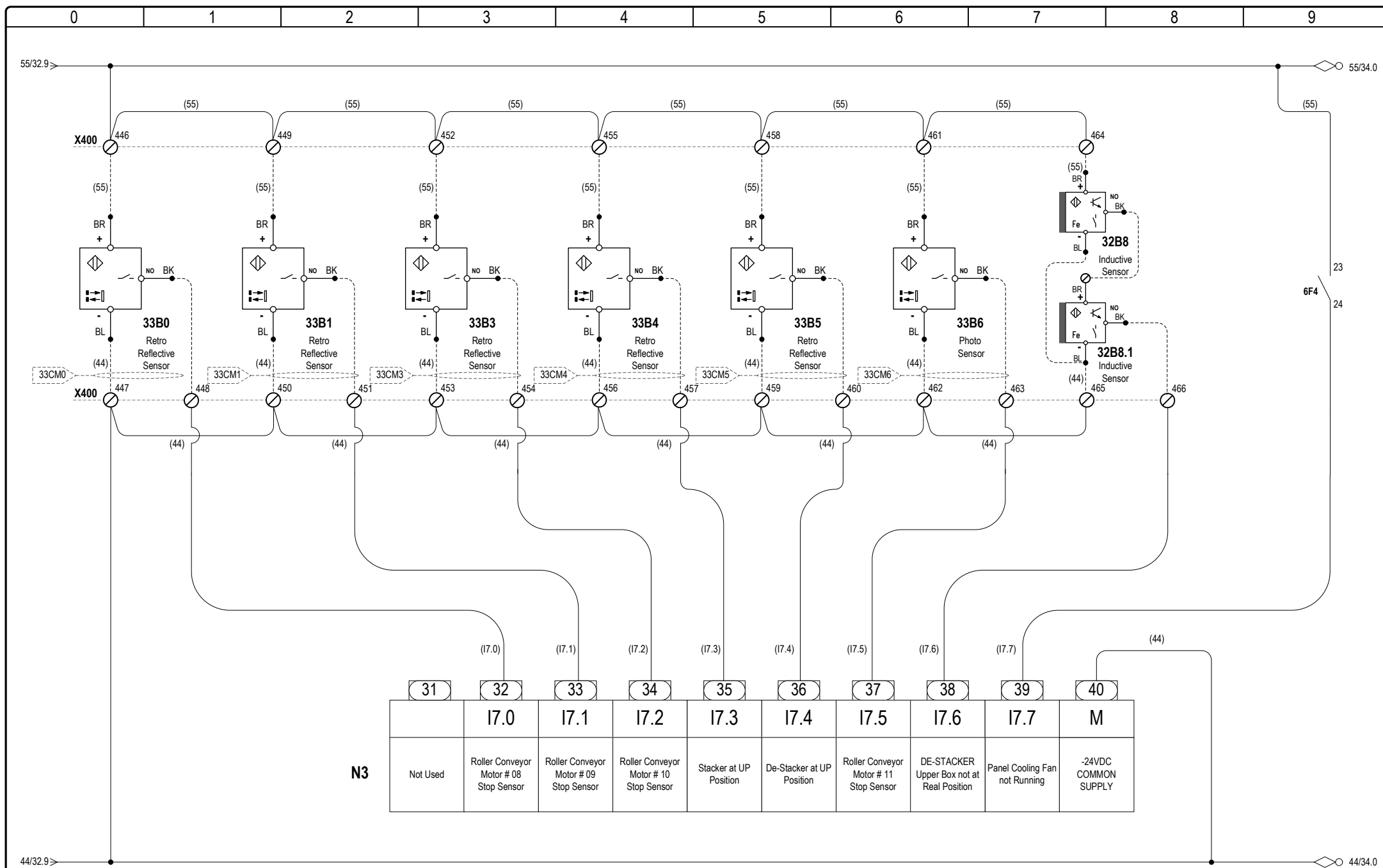


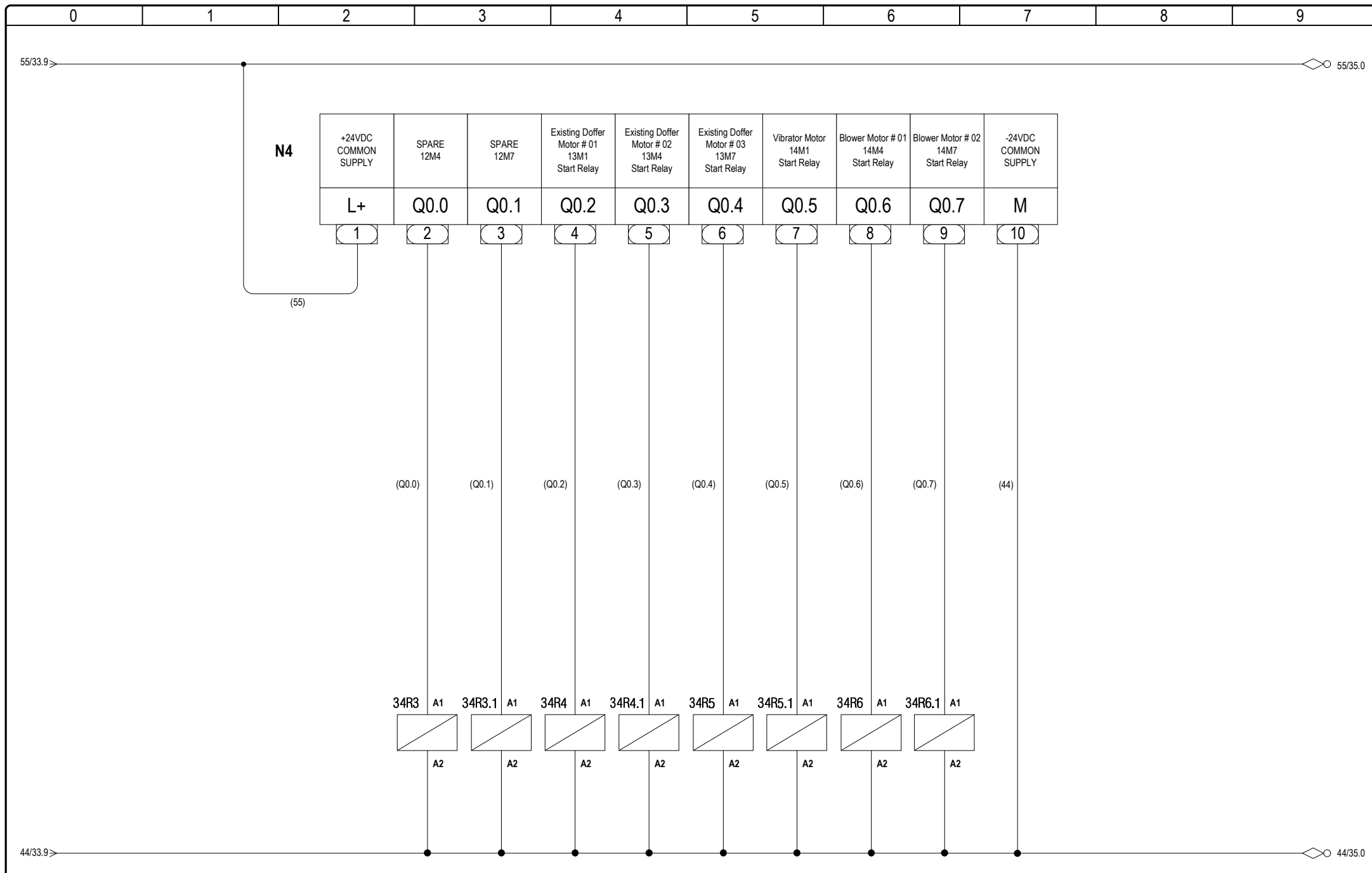
Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792 	Drawing by:	SARFRAZ	Title:	PLC Control Panel for Tobacco Filling Station		Dated by:	22/08/13	Company Name: WATT n VOLT Industrial Automation & Engineering 18th km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattnvolt.com.pk Visit us: http://www.wattnvolt.com.pk 
	Checked by:	Tahir Rasool	Circuit Description:	Digital Input Module Circuit		Folio:	30/44	
	DWG #:	WNV_PTC_005	File & Directory Name:	D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd		Revised:	0	



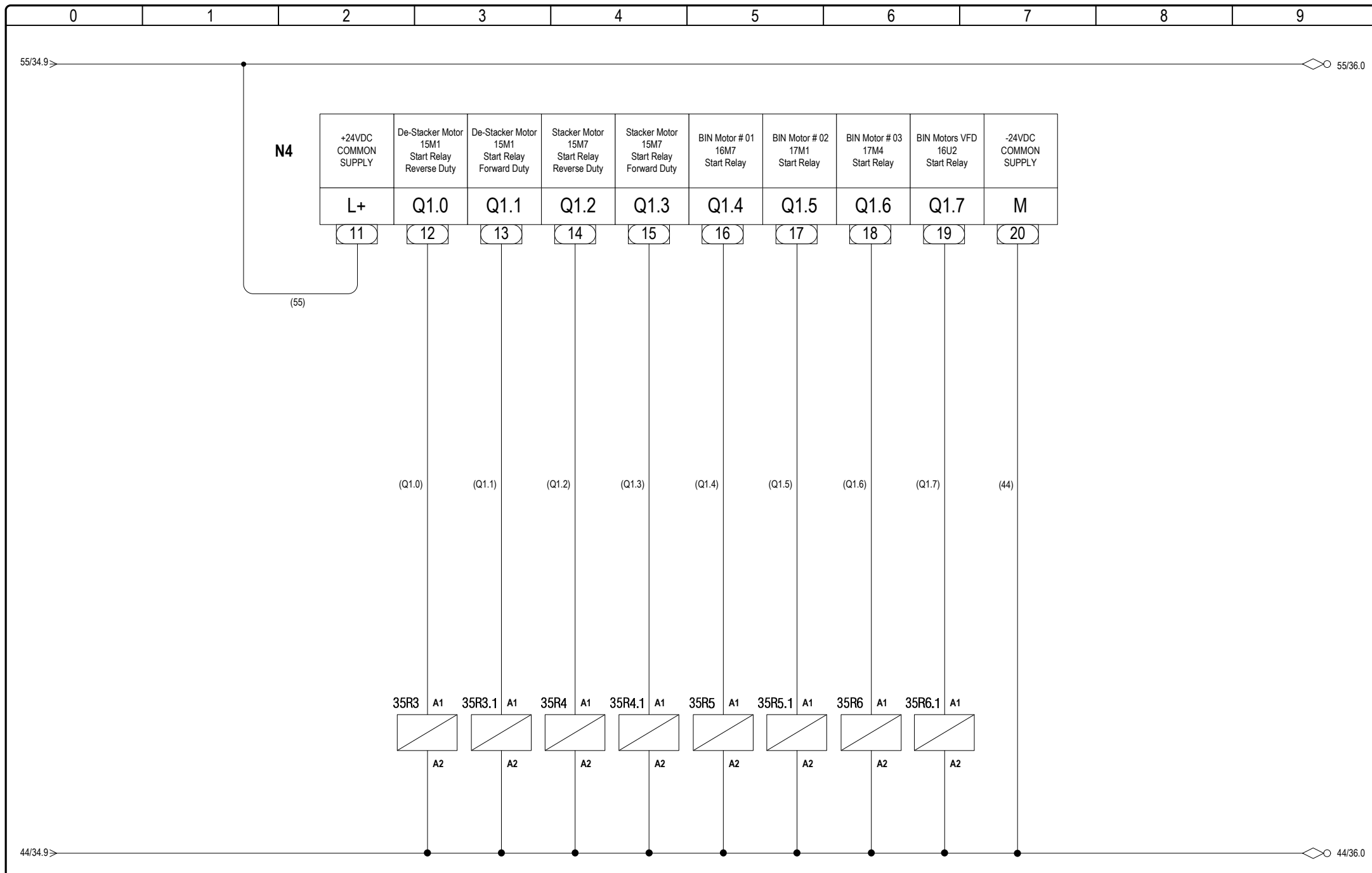
Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792	Drawing by:	SARFRAZ	Title:	PLC Control Panel for Tobacco Filling Station		Dated by:	22/08/13	Company Name: WATT n VOLT Industrial Automation & Engineering 18 th km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattvolt.com.pk Visit us: http://www.wattvolt.com.pk
	Checked by:	Tahir Rasool	Circuit Description:	Digital Input Module Circuit		Folio:	31/44	
	DWG #:	WNV_PTC_005	File & Directory Name:	D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd		Revised:	0	





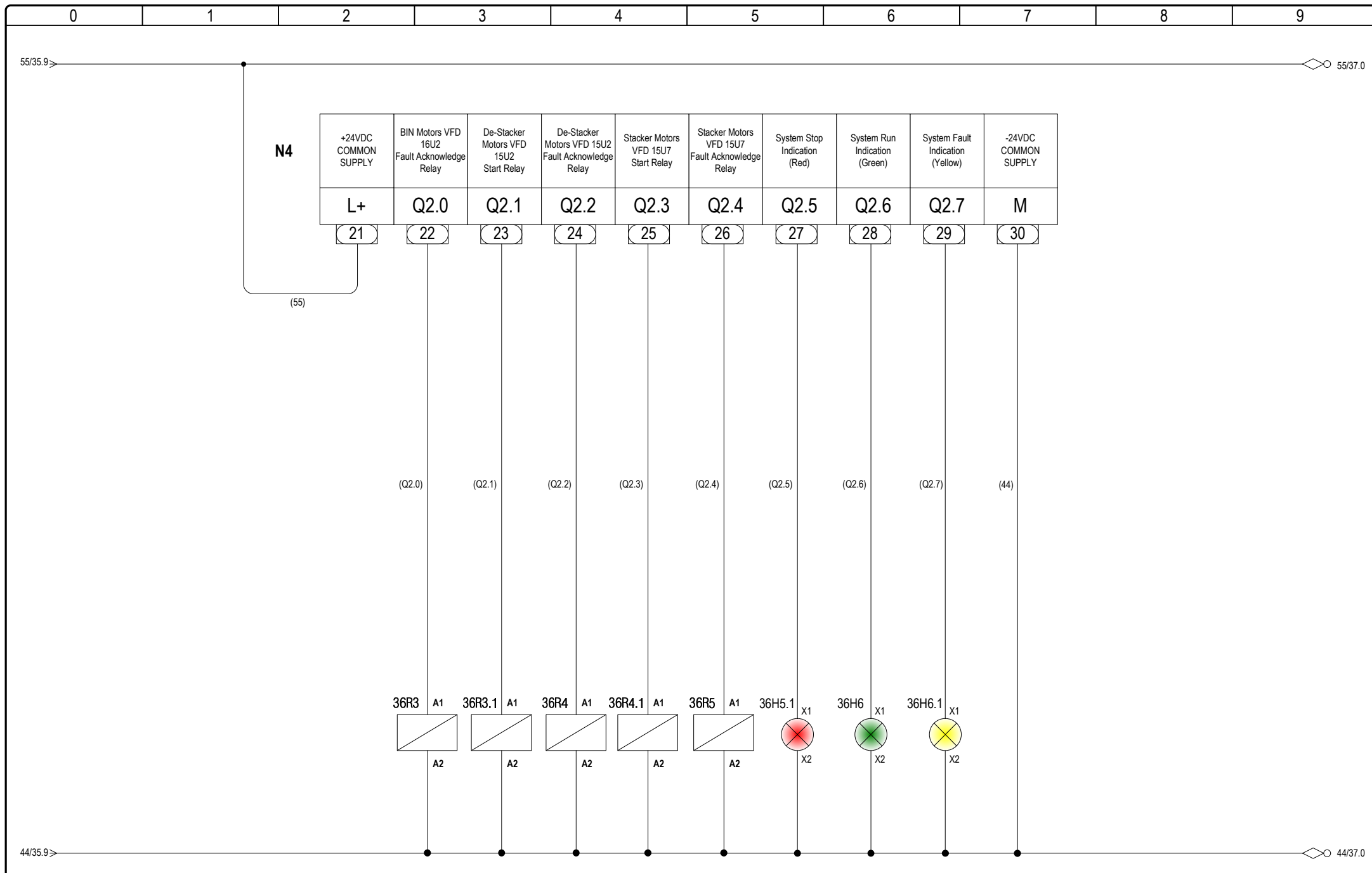


Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792	Drawing by:	SARFRAZ	Title: PLC Control Panel for Tobacco Filling Station				Dated by:	22/08/13	Company Name: WATT n VOLT Industrial Automation & Engineering 18th km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattvolt.com.pk Visit us: http://www.wattvolt.com.pk
	Checked by:	Tahir Rasool	Circuit Description: Digital Output Module Circuit				Folio:	34/44	
	DWG #:	WNV_PTC_005	File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd				Revised:	0	



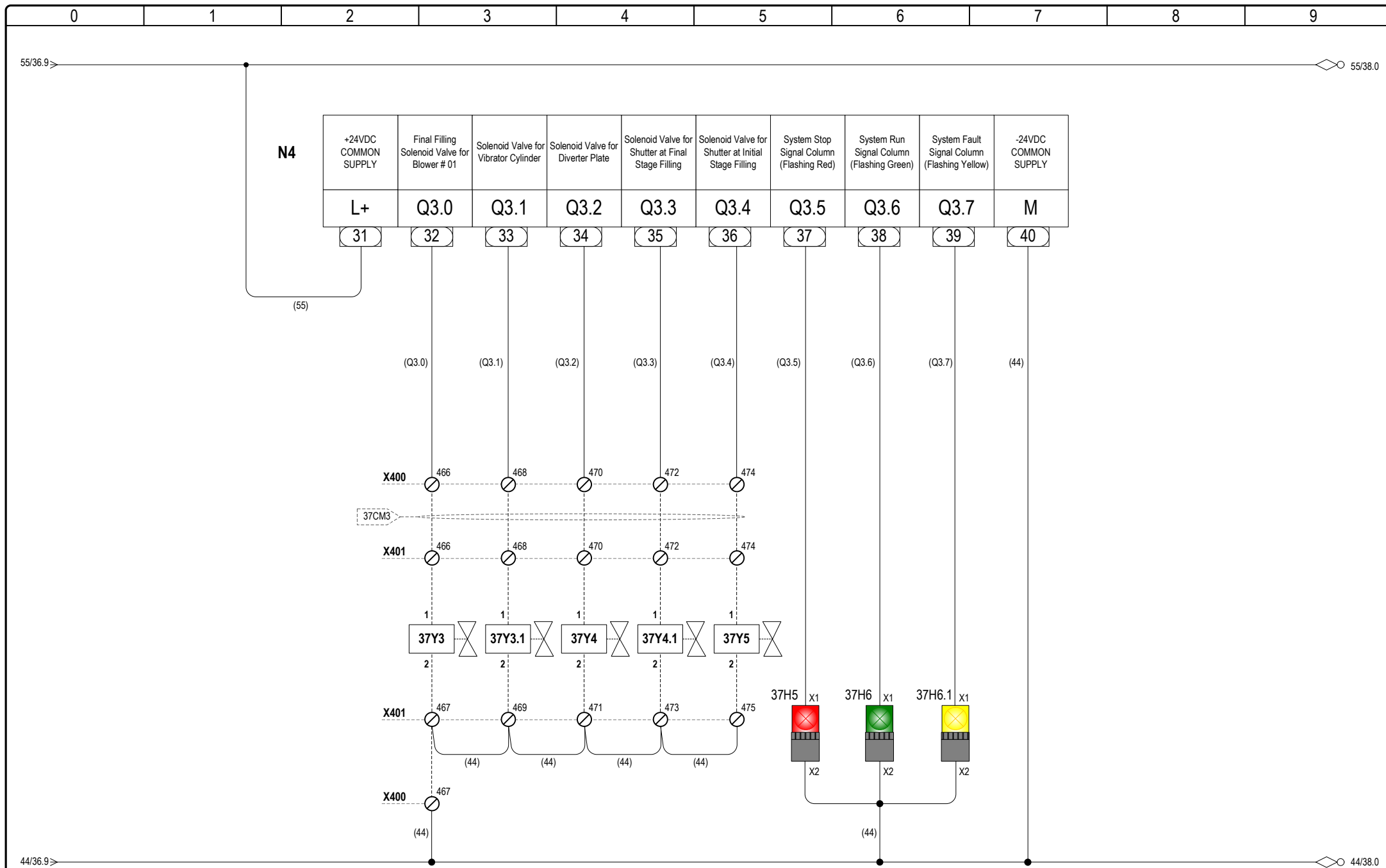
Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792	Drawing by:	SARFRAZ	Title: PLC Control Panel for Tobacco Filling Station				Dated by:	22/08/13	Company Name: WATT n VOLT Industrial Automation & Engineering 18th km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattvolt.com.pk Visit us: http://www.wattvolt.com.pk
	Checked by:	Tahir Rasool	Circuit Description: Digital Output Module Circuit				Folio:	35/44	
	DWG #:	WNV_PTC_005	File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd				Revised:	0	





Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792	Drawing by:	SARFRAZ	Title: PLC Control Panel for Tobacco Filling Station				Dated by:	22/08/13	Company Name: WATT n VOLT Industrial Automation & Engineering 18th km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585 35820296 Fax: +92 42 35820830 E-mail: wnv@wattvolt.com.pk Visit us: http://www.wattvolt.com.pk
	Checked by:	Tahir Rasool	Circuit Description: Digital Output Module Circuit				Folio:	36/44	
	DWG #:	WNV_PTC_005	File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd				Revised:	0	





Client Name:
Pakistan Tobacco Co. Ltd.
Akora Khattak Factory
P.O. Nowshera NWFP-Pakistan
Tel: +92 (923) 630901-12
Fax: +92 (923) 510792



Drawing by:

SARFRAZ

Checked by:

Tahir Rasool

DWG #:

WNV_PTC_005

Title:

PLC Control Panel for Tobacco Filling Station

Circuit Description:

Digital Output Module Circuit

File & Directory Name:

D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd

Dated by:

22/08/13

Folio:

37/44

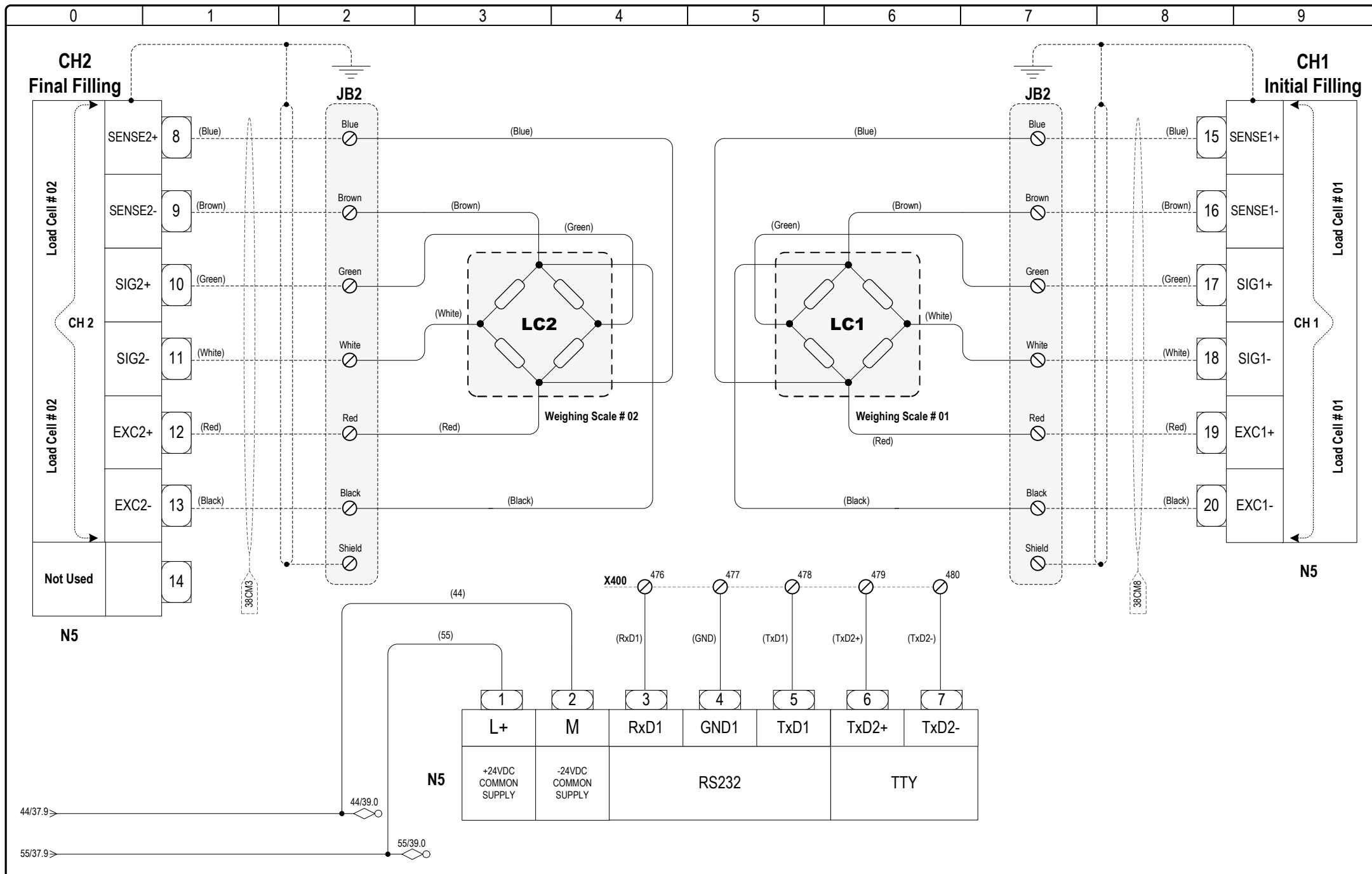
Revised:

0

Company Name:
WATT n VOLT

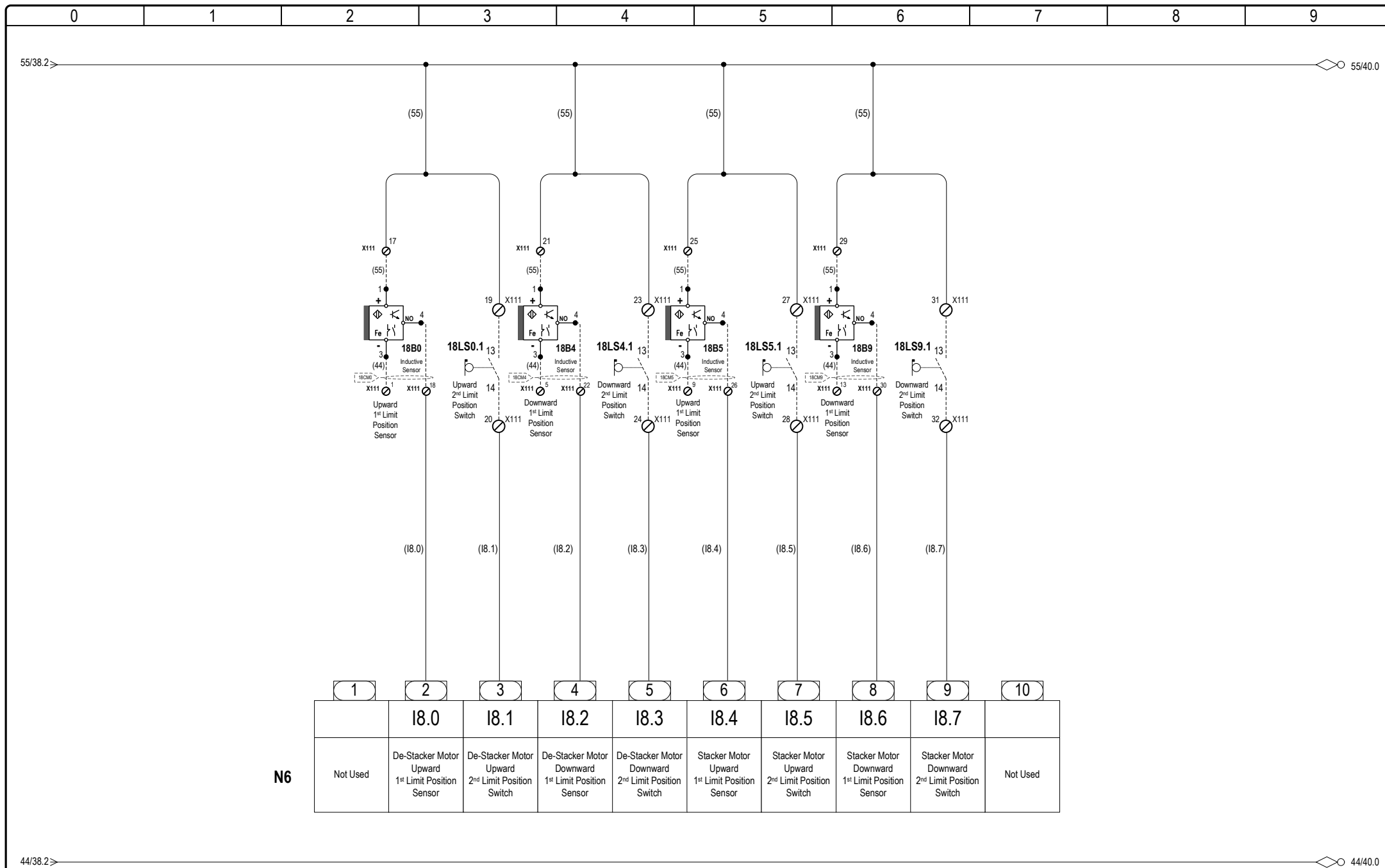
Industrial Automation & Engineering
18th km. Ferozepur Road, Lahore Pakistan.
Tel: +92 42 35820585, 35820296
Fax: +92 42 35820830
E-mail: wnv@wattvolt.com.pk
Visit us: <http://www.wattvolt.com.pk>



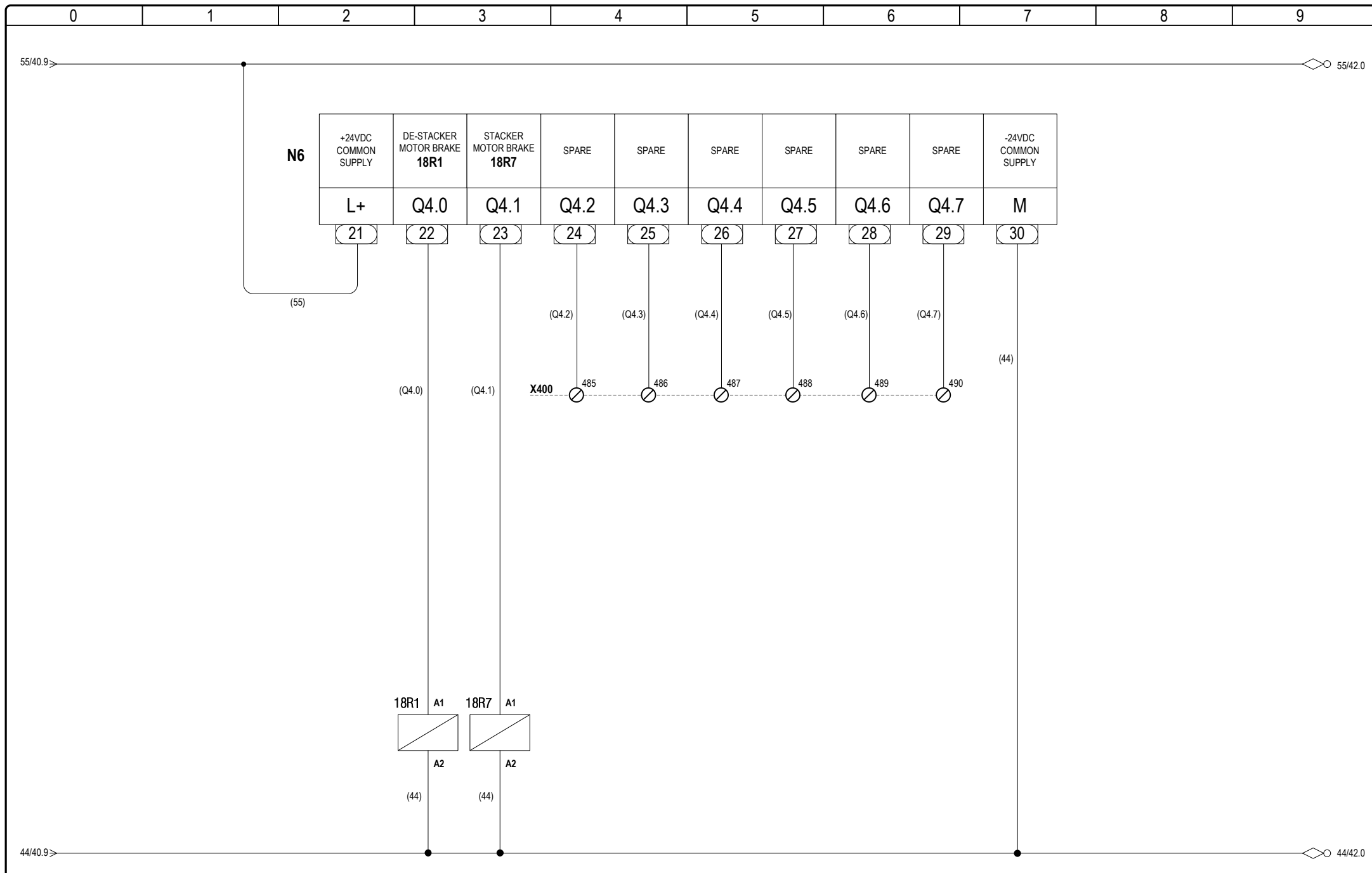


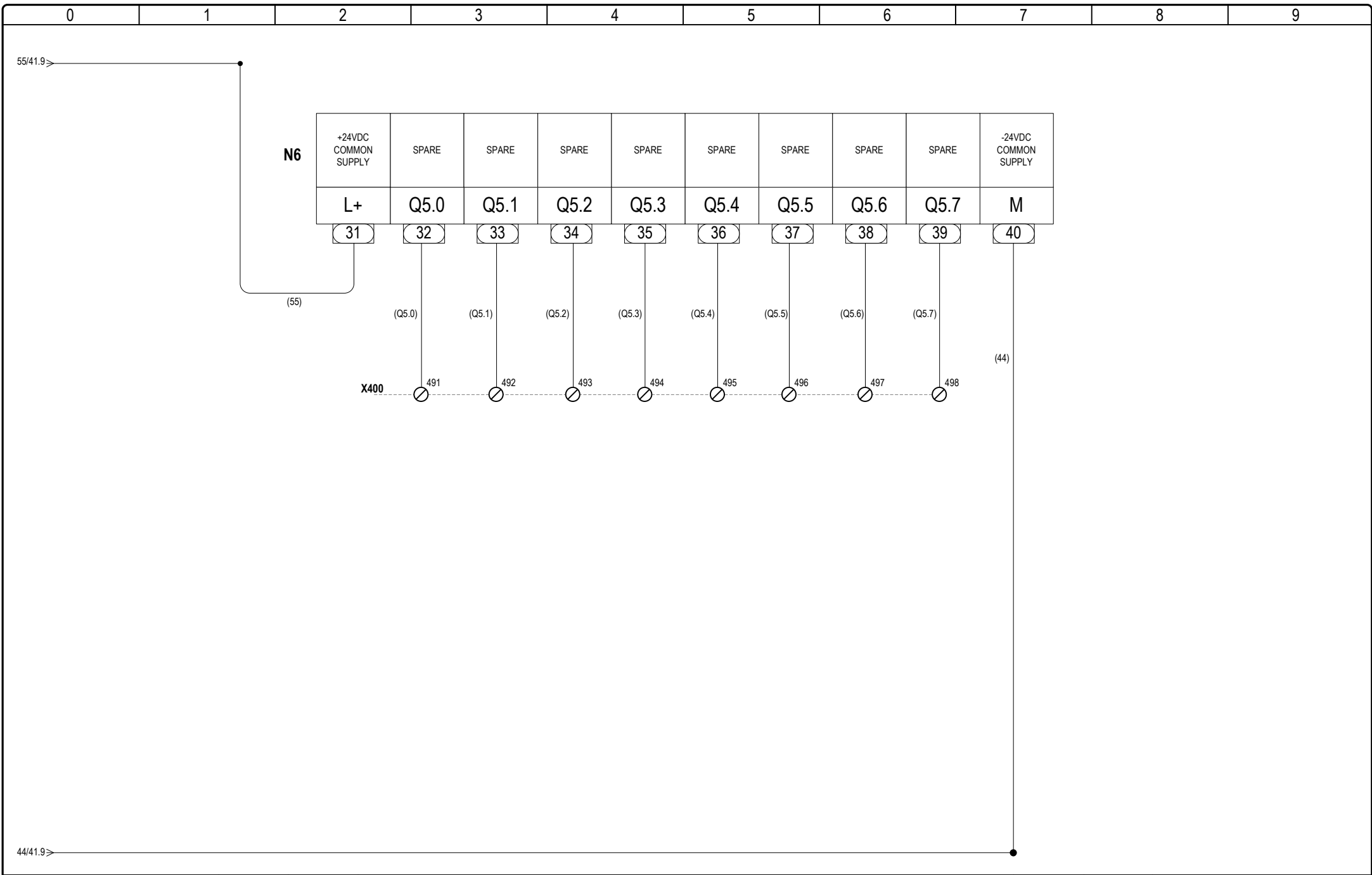
Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792	Drawing by: SARFRAZ Checked by: Tahir Rasool DWG #: WNV_PTC_005	Title: PLC Control Panel for Tobacco Filling Station Circuit Description: Weighing Scale Module Circuit File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd	Dated by: 22/08/13 Folio: 38/44 Revised: 0	Company Name: WATT N VOLT Industrial Automation & Engineering 18 th km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattnvolt.com.pk Visit us: http://www.wattnvolt.com.pk
---	---	--	--	--





Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792 	Drawing by:	SARFRAZ	Title: PLC Control Panel for Tobacco Filling Station				Dated by:	22/08/13	Company Name: WATT n VOLT Industrial Automation & Engineering 18th km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattnvolt.com.pk Visit us: http://www.wattnvolt.com.pk 
	Checked by:	Tahir Rasool	Circuit Description: Digital Input/Output Module Circuit				Folio:	39/44	
	DWG #:	WNV_PTC_005	File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd				Revised:	0	





Client Name: Pakistan Tobacco Co. Ltd. Akora Khattak Factory P.O. Nowshera NWFP-Pakistan Tel: +92 (923) 630901-12 Fax: +92 (923) 510792 	Drawing by:	SARFRAZ	Title: PLC Control Panel for Tobacco Filling Station				Dated by:	22/08/13	Company Name: WATT n VOLT Industrial Automation & Engineering 18th km. Ferozepur Road, Lahore Pakistan. Tel: +92 42 35820585, 35820296 Fax: +92 42 35820830 E-mail: wnv@wattnvolt.com.pk Visit us: http://www.wattnvolt.com.pk 
	Checked by:	Tahir Rasool	Circuit Description: Digital Input/Output Module Circuit				Folio:	42/44	
	DWG #:	WNV_PTC_005	File & Directory Name: D:\Documents\PTC\2013_Project\Tobacco Filling Station\PLC Control Panel for Tobacco Filling Station.vsd				Revised:	0	

