

THIS PRINT REPRESENTS DESIGN AND ENGINEERING EFFORTS OF ABB INC. FOR ALFA LAVAL. IT IS LOANED IN CONFIDENCE AND MUST BE RETURNED UPON DEMAND. ANY USE DETRIMENTAL TO THE INTERESTS OF ABB IS PROHIBITED. IT MUST NOT BE LOANED, COPIED OR REPRODUCED WITHOUT PERMISSION.

DEVICE ID	ADDR	DESCRIPTION
IF706	1:I.CH.0DATA	BOWL SPEED PICK-UP 4-20MA
IF706	1:I.CH.1DATA	PINION SPEED PICK-UP 4-20MA
IF706	1:I.CH.2DATA	GEARBOX END BEARING TEMPERATURE 4-20MA
IF706	1:I.CH.3DATA	MAIN DRIVE END BEARING TEMPERATURE 4-20MA
IF706	1:I.CH.4DATA	GEARBOX END BEARING VIBRATION 4-20MA
IF706	1:I.CH.5DATA	MAIN DRIVE END BEARING VIBRATION 4-20MA
IF706	1:I.CH.6DATA	SPARE 4-20MA
IF706	1:I.CH.7DATA	SPARE 4-20MA
OF904	2:O.CH.0DATA	SPARE 4-20MA
OF904	2:O.CH.1DATA	SPARE 4-20MA
OF904	2:O.CH.2DATA	SPARE 4-20MA
OF904	2:O.CH.3DATA	SPARE 4-20MA
IB1003	3:I.DATA.CH.00	CONTROL POWER ON
IB1003	3:I.DATA.CH.01	ALARM ACKNOWLEDGE ALARM SILENCE
IB1003	3:I.DATA.CH.02	EMERGENCY STOP
IB1003	3:I.DATA.CH.03	DECANTER COVER SWITCH
IB1003	3:I.DATA.CH.04	MAIN DRIVE MOTOR THERMISTOR
IB1003	3:I.DATA.CH.05	BACK DRIVE MOTOR THERMISTOR
IB1003	3:I.DATA.CH.06	SPARE
IB1003	3:I.DATA.CH.07	SPARE
IB1003	3:I.DATA.CH.08	SPARE
IB1003	3:I.DATA.CH.09	SPARE
IB1003	3:I.DATA.CH.10	SPARE
IB1003	3:I.DATA.CH.11	SPARE
IB1003	3:I.DATA.CH.12	SPARE
IB1003	3:I.DATA.CH.13	SPARE
IB1003	3:I.DATA.CH.14	SPARE
IB1003	3:I.DATA.CH.15	SPARE
IB1038	4:I.DATA.CH.00	SPARE
IB1038	4:I.DATA.CH.01	SPARE
IB1038	4:I.DATA.CH.02	SPARE
IB1038	4:I.DATA.CH.03	SPARE
IB1038	4:I.DATA.CH.04	SPARE
IB1038	4:I.DATA.CH.05	SPARE
IB1038	4:I.DATA.CH.06	SPARE
IB1038	4:I.DATA.CH.07	SPARE
IB1038	4:I.DATA.CH.08	SPARE
IB1038	4:I.DATA.CH.09	SPARE
IB1038	4:I.DATA.CH.10	SPARE
IB1038	4:I.DATA.CH.11	SPARE
IB1038	4:I.DATA.CH.12	SPARE
IB1038	4:I.DATA.CH.13	SPARE
IB1038	4:I.DATA.CH.14	SPARE
IB1038	4:I.DATA.CH.15	SPARE
OB1103	5:O.DATA.CH.00	ALARM HORN
OB1103	5:O.DATA.CH.01	ALARM LIGHT
OB1103	5:O.DATA.CH.02	COMMON ALARM (TO CUSTOMER)
OB1103	5:O.DATA.CH.03	COMMON ALERT (TO CUSTOMER)
OB1103	5:O.DATA.CH.04	CENTRIFUGE RUNNING (TO CUSTOMER)
OB1103	5:O.DATA.CH.05	FLUSH WATER VALVE (TO CUSTOMER)

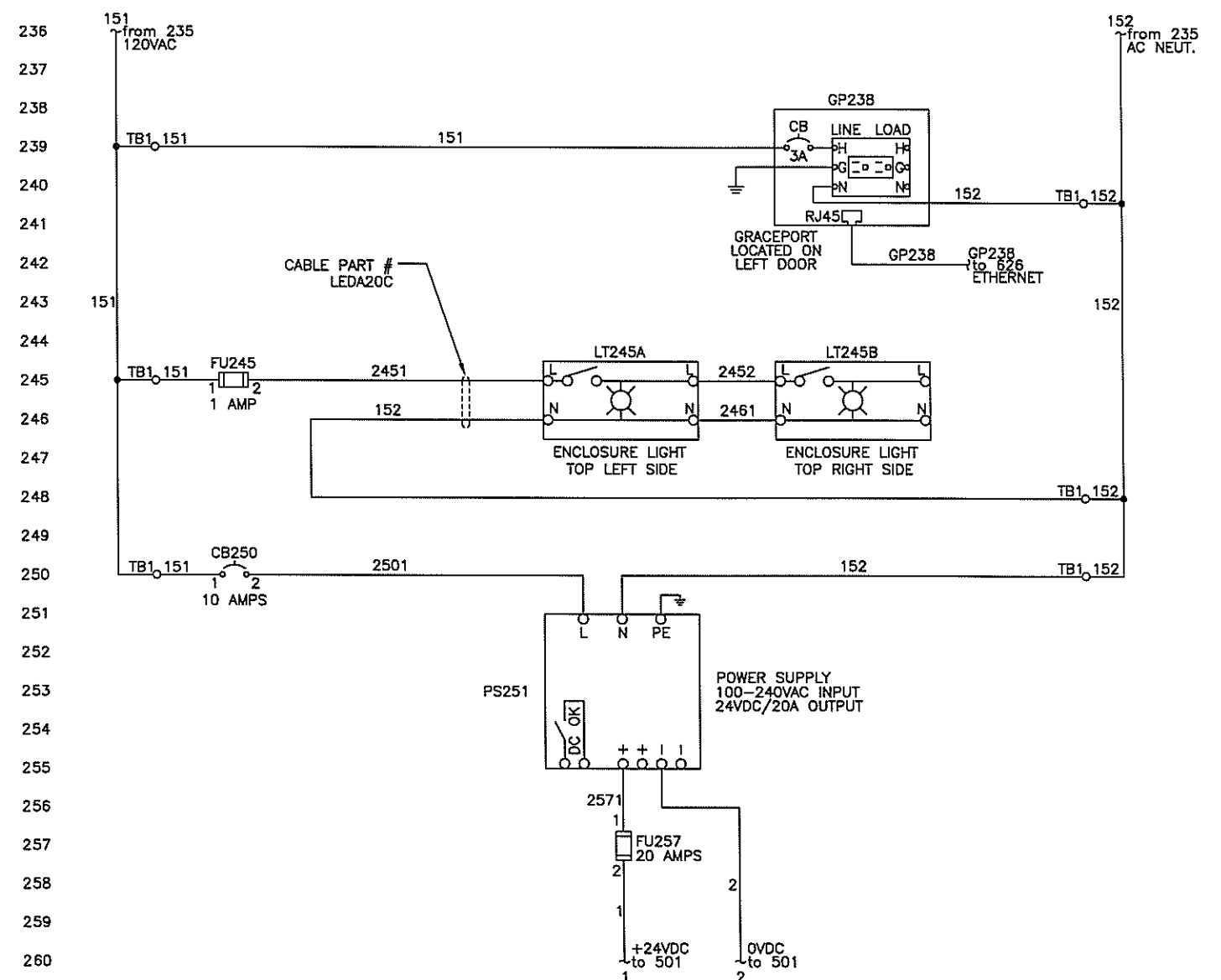
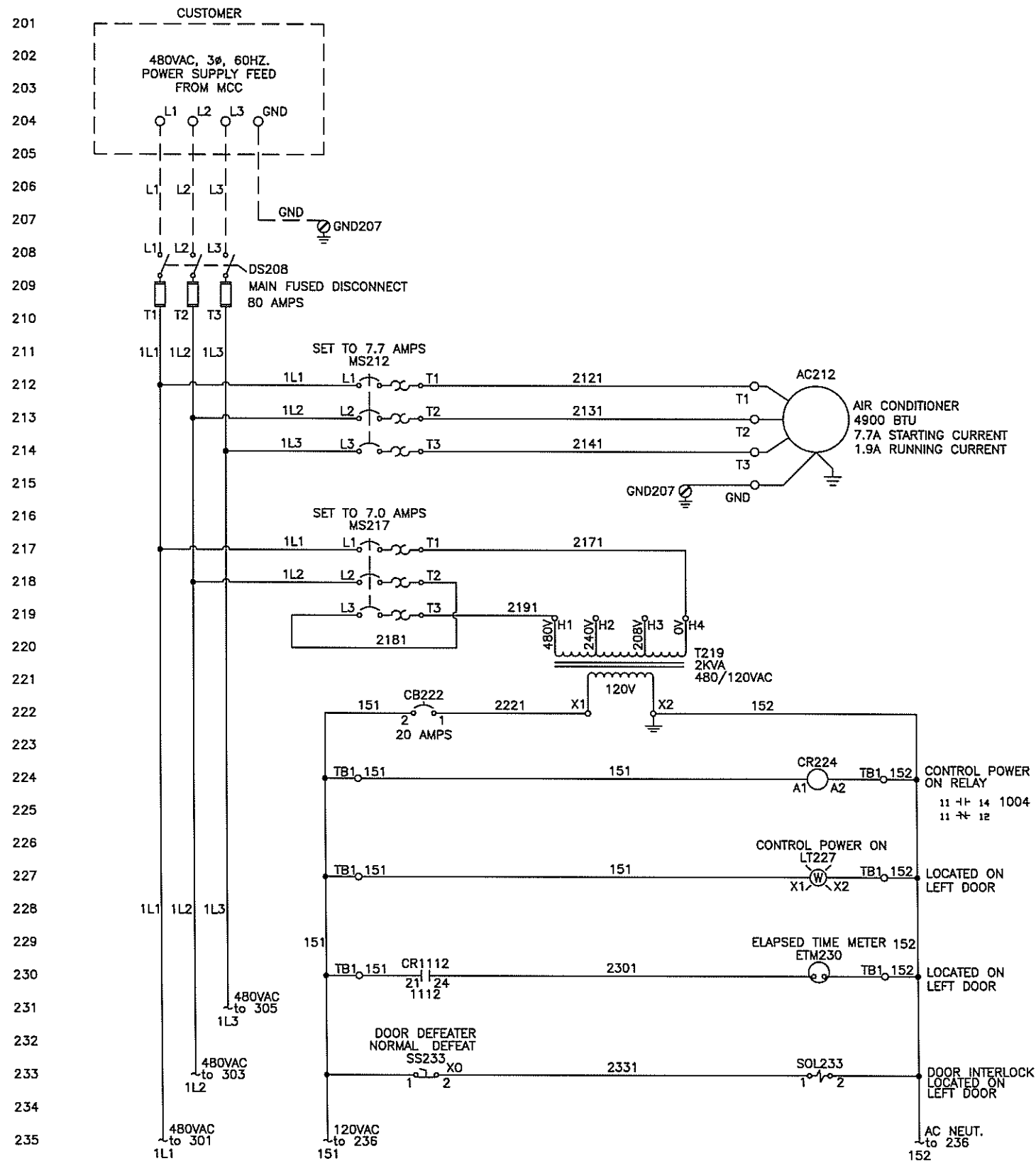
DEVICE ID	ADDR	DESCRIPTION
OB1103	5:O.DATA.CH.06	CIP FLUSH WATER VALVE (TO CUSTOMER)
OB1103	5:O.DATA.CH.07	FEED PERMISSIVE (TO CUSTOMER)
OB1103	5:O.DATA.CH.08	SPARE
OB1103	5:O.DATA.CH.09	SPARE
OB1103	5:O.DATA.CH.10	SPARE
OB1103	5:O.DATA.CH.11	SPARE
OB1103	5:O.DATA.CH.12	SPARE
OB1103	5:O.DATA.CH.13	SPARE
OB1103	5:O.DATA.CH.14	SPARE
OB1103	5:O.DATA.CH.15	SPARE
OB1138	6:O.DATA.CH.00	MAIN DRIVE VFD RUN ENABLE
OB1138	6:O.DATA.CH.01	BACK DRIVE VFD RUN ENABLE
OB1138	6:O.DATA.CH.02	SPARE
OB1138	6:O.DATA.CH.03	SPARE
OB1138	6:O.DATA.CH.04	SPARE
OB1138	6:O.DATA.CH.05	SPARE
OB1138	6:O.DATA.CH.06	SPARE
OB1138	6:O.DATA.CH.07	SPARE
OB1138	6:O.DATA.CH.08	SPARE
OB1138	6:O.DATA.CH.09	SPARE
OB1138	6:O.DATA.CH.10	SPARE
OB1138	6:O.DATA.CH.11	SPARE
OB1138	6:O.DATA.CH.12	SPARE
OB1138	6:O.DATA.CH.13	SPARE
OB1138	6:O.DATA.CH.14	SPARE
OB1138	6:O.DATA.CH.15	SPARE



NOTE:
DEVICE ID IS THE LINE
NUMBER THAT THE PLC
CARD STARTS AT.

				THIS DRAWING CERTIFIED FOR:		ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.		SCALE: ~		DATE: 10/29/15		APPROVALS			TITLE: NESTLE STARTER PANEL I/O LIST		 ALFA LAVAL 955 MEARNS ROAD WARMINSTER, PA 18974, U.S.A.		
				CUSTOMER: NESTLE PLT FREEHOLD				DRAWN: JB		ENG'R		MET.		Q.C.					
				ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328				CHECKED: JG		3/21/16		TR		~					
				PROJECT: NESTLE PLT FREEHOLD				ABB PROJECT #: E00016429		MACHINE TYPE: FOODEC 300T									
A 03/01/16 TM AS BUILT				PURCHASE ORDER #:		FILE: NESTLE.ZIP						PROJECT NAME: NESTLE FOODEC 300T			DRAWING NUMBER: SHEET 1 OF 18				
REV. DATE BY DESCRIPTION				ALFA LAVAL PO #: P000432		FOLDER LOCATION:							S.O. P000432			8733641			
				CONSULTING ENG.:															
				CERTIFIED BY: DATE:															

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WIRE COLOR CODE

BLACK - PRIMARY OR SUPPLY VOLTAGE

RED - AC CONTROL

WHITE - AC NEUTRAL

GREEN - GROUND

BLUE - 24VDC

BLUE/WHITE - 0VDC

YELLOW - POWER BY EXTERNAL SOURCE

WHITE - 4-20mA SIGNAL (+)

BLACK - 4-20mA SIGNAL (-)

THIS DRAWING CERTIFIED FOR:			
CUSTOMER:		NESTLE PLT FREEHOLD	
ADDRESS:		61 JERSEYVILLE, FREEHOLD, NJ 07728-2328	
PROJECT:		NESTLE PLT FREEHOLD	
SOLD TO:		NESTLE PLT FREEHOLD	
PURCHASE ORDER #:		P000432	
ALFA LAVAL PO #:		P000432	
CONSULTING ENG.:		DATE:	
CERTIFIED BY:		DATE:	
A	03/01/16	TM	AS BUILT
REV.	DATE	BY	DESCRIPTION

ALL EQUIPMENT SHALL BE
INSTALLED AND GROUNDED
IN ACCORDANCE WITH THE
NATIONAL ELECTRICAL
CODE & LOCAL CODES.

FILE: NESTLE.ZIP

FOLDER LOCATION:

SCALE:	~	DATE:	10/29/15	APPROVALS		
DRAWN:	JB	ENG'R	TR	MET.	~	Q.C.
CHECKED:	JG	3/2/16	TR	~	-	
ABB PROJECT #:	E00016429	MACHINE TYPE:	FOODEC 300T	PROJECT NAME:		
				S.O.		

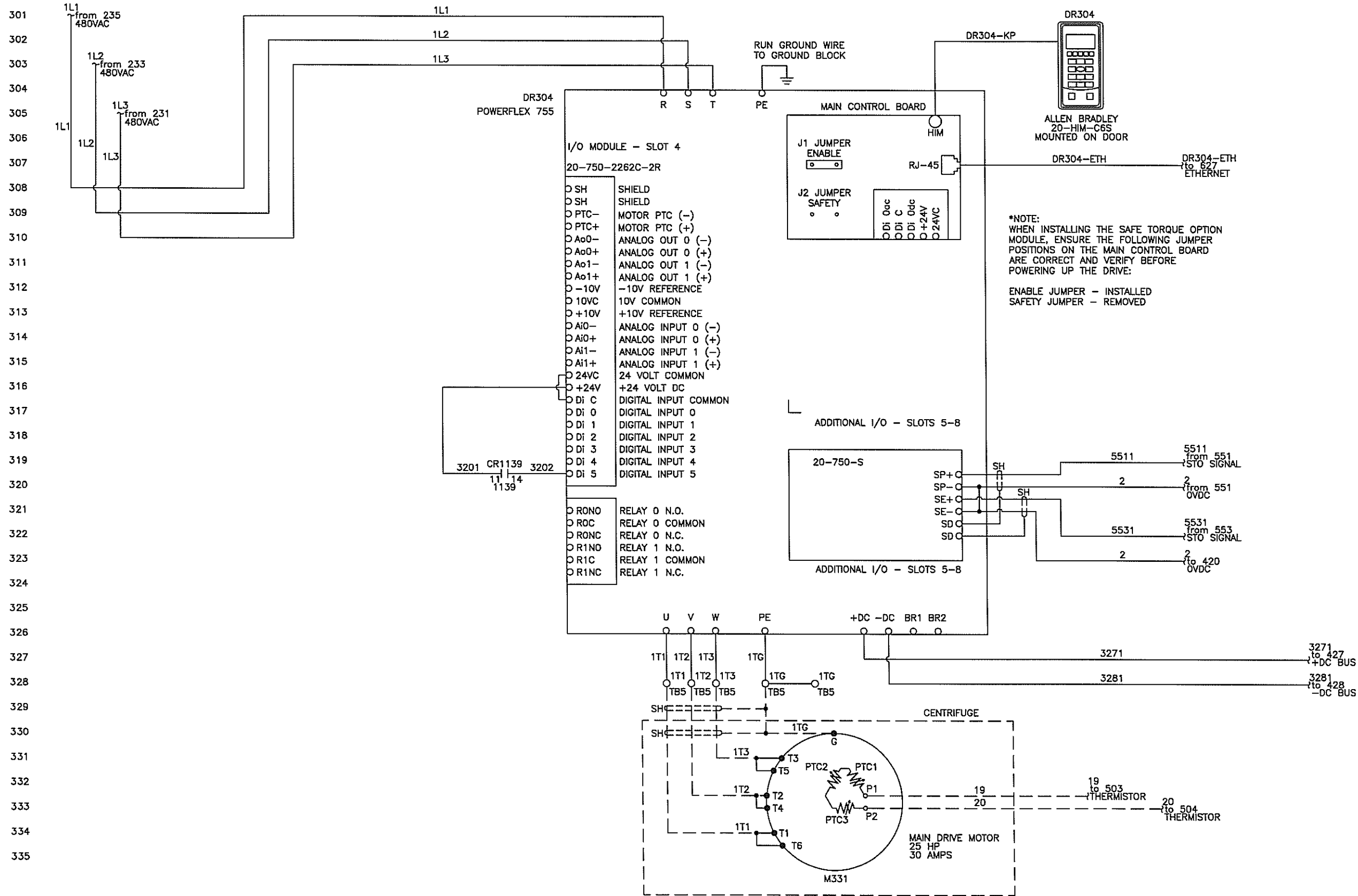
NESTLE STARTER PANEL WIRING DIAGRAM



DRAWING NUMBER: 8733641

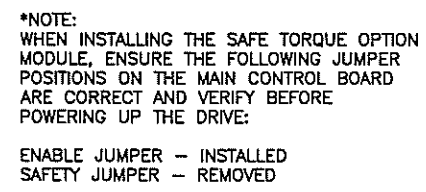
SHEET 2 OF 18

THIS PRINT REPRESENTS DESIGN AND ENGINEERING EFFORTS OF ABB INC. FOR ALFA LAVAL. IT IS LOANED IN CONFIDENCE AND MUST BE RETURNED UPON DEMAND. ANY USE DETRIMENTAL TO THE INTERESTS OF ABB IS PROHIBITED. IT MUST NOT BE LOANED, COPIED OR REPRODUCED WITHOUT PERMISSION.



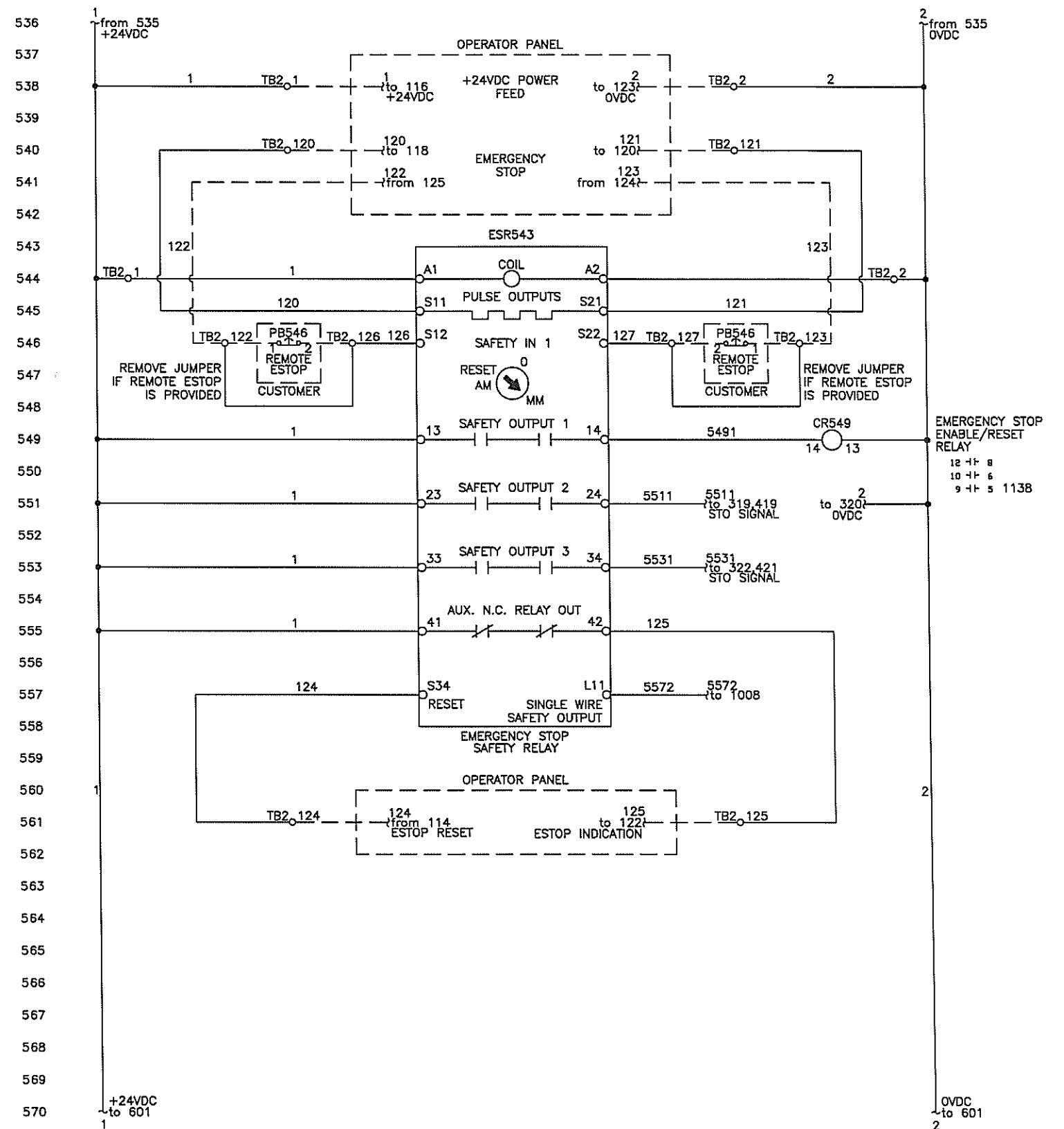
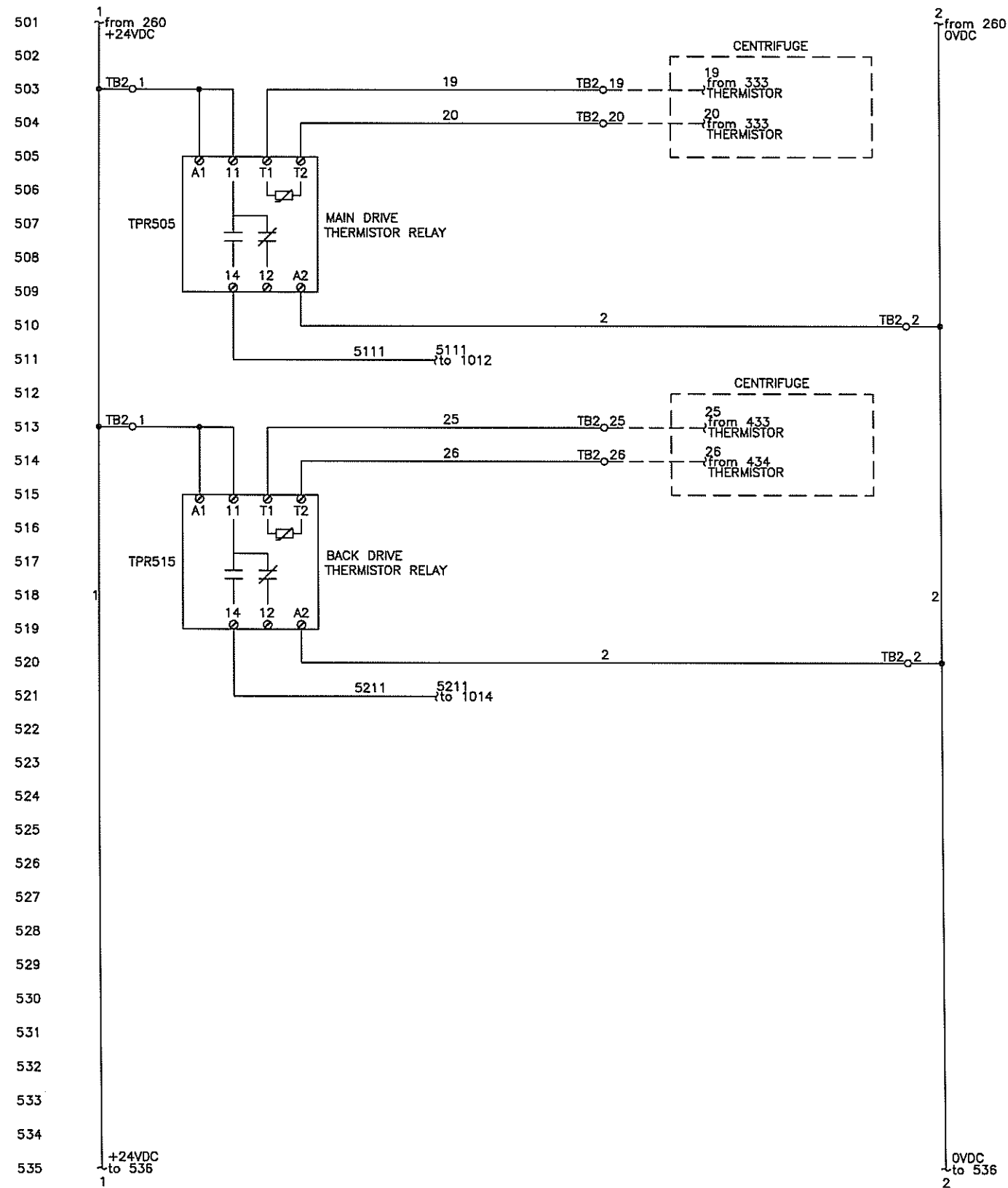
THIS DRAWING CERTIFIED FOR:				ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.				SCALE: ~ DATE: 10/29/15 APPROVALS: ENG'R MET. Q.C. TR ~ -				TITLE: NESTLE STARTER PANEL MAIN DRIVE WIRING				ALFA LAVAL 955 MEARNS ROAD WARMINSTER, PA 18974, U.S.A.							
CUSTOMER: NESTLE PLT FREEHOLD				ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328				DRAWN: JB				ABB PROJECT #: E00016429				PROJECT NAME: NESTLE FOODEC 300T				DRAWING NUMBER: 8733641			
PROJECT: NESTLE PLT FREEHOLD				PURCHASE ORDER #: P000432				CHECKED: JG				MACHINE TYPE: FOODEC 300T				S.O. P000432				SHEET 3 OF 18			
SOLD TO: NESTLE PLT FREEHOLD				ALFA LAVAL PO #: P000432				FILE: NESTLE.ZIP				FOLDER LOCATION:											
PURCHASE ORDER #:				CONSULTING ENG.:				CERTIFIED BY:				DATE:											
A 03/01/16 TM AS BUILT																							
REV. DATE BY DESCRIPTION																							

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ALFA LAVAL
955 MEARNS ROAD
WARMINSTER, PA 18974, U.S.A.

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A	03/01/16	TM	AS BUILT
REV.	DATE	BY	DESCRIPTION

THIS DRAWING CERTIFIED FOR:
CUSTOMER: NESTLE PLT FREEHOLD
ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328
PROJECT:
SOLD TO: NESTLE PLT FREEHOLD
PURCHASE ORDER #:
ALFA LAVAL PO #: P000432
CONSULTING ENG.:
CERTIFIED BY: DATE:

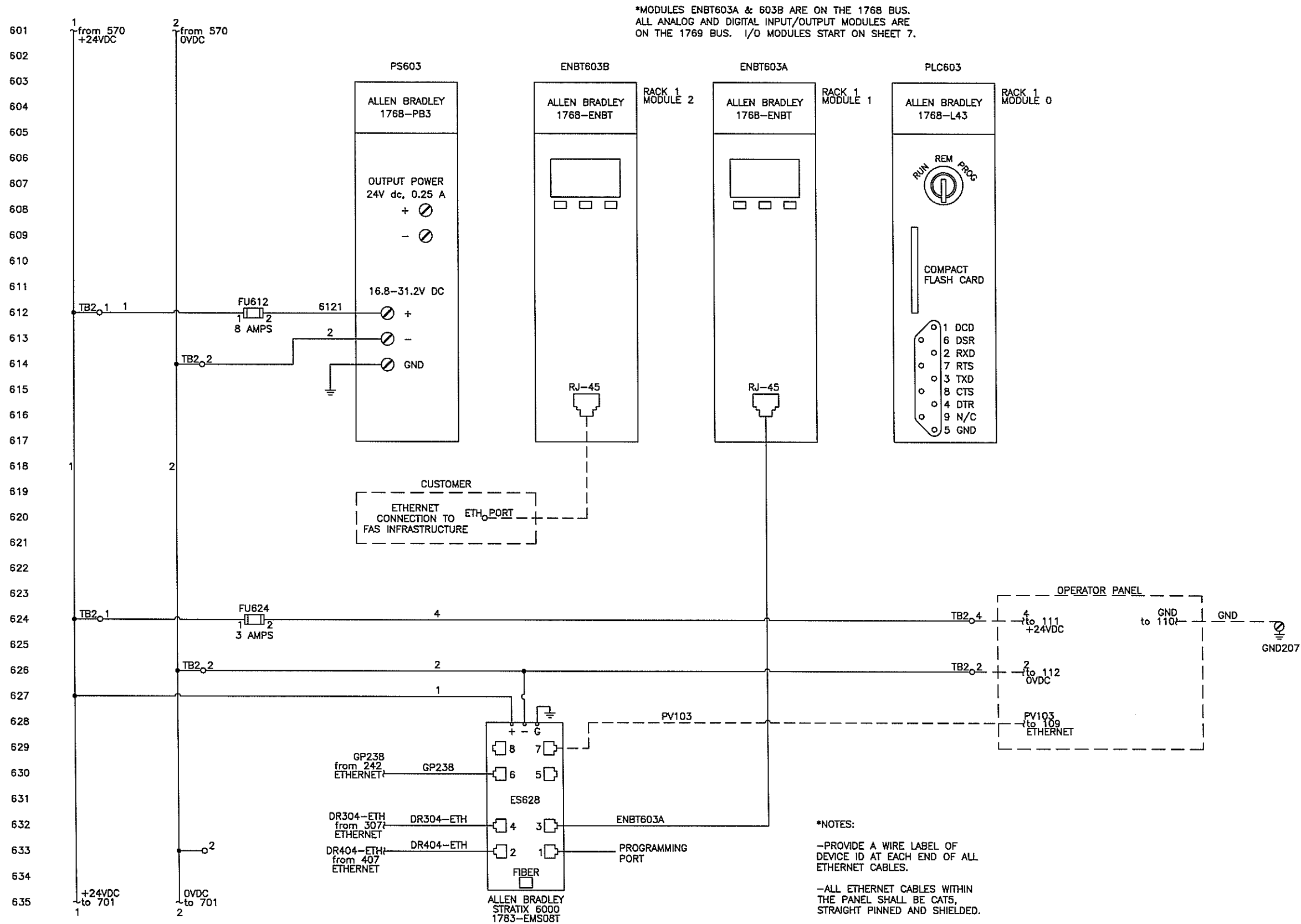
ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.
FILE: NESTLE.ZIP
FOLDER LOCATION:

SCALE: ~
DATE: 10/29/15
APPROVALS:
DRAWN: JB
CHECKED: JG
ABB PROJECT #: E00016429
MACHINE TYPE: FOODEC 300T

TITLE: NESTLE STARTER PANEL WIRING DIAGRAM
PROJECT NAME: NESTLE FOODEC 300T
S.O. P000432

ALFA LAVAL
955 WEARNS ROAD
WARMINSTER, PA 18974, U.S.A.
DRAWING NUMBER: 8733641
SHEET 5 OF 18

THIS PRINT REPRESENTS DESIGN AND ENGINEERING EFFORTS OF ABB INC. FOR ALFA LAVAL. IT IS LOANED IN CONFIDENCE AND MUST BE RETURNED UPON DEMAND. ANY USE DETRIMENTAL TO THE INTERESTS OF ABB IS PROHIBITED. IT MUST NOT BE LOANED, COPIED OR REPRODUCED WITHOUT PERMISSION.



REV.	DATE	BY	DESCRIPTION
A	03/01/16	TM	AS BUILT

THIS DRAWING CERTIFIED FOR:	
CUSTOMER:	NESTLE PLT FREEHOLD
ADDRESS:	61 JERSEYVILLE, FREEHOLD, NJ 07728-2328
PROJECT:	
SOLD TO:	NESTLE PLT FREEHOLD
PURCHASE ORDER #:	
ALFA LAVAL PO #:	P000432
CONSULTING ENG.:	
CERTIFIED BY:	DATE:

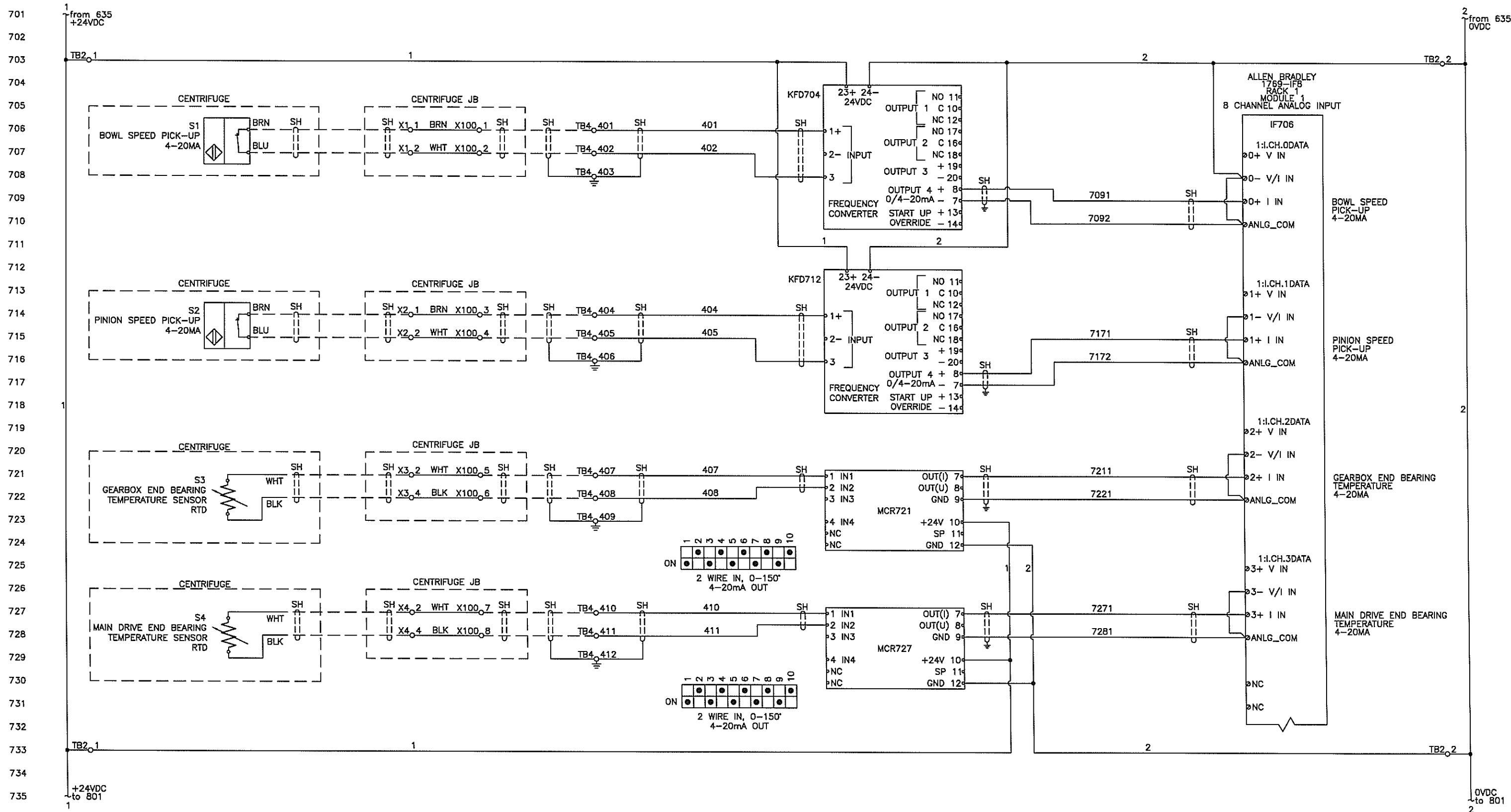
ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.	
FILE:	NESTLE.ZIP
FOLDER LOCATION:	

SCALE:	~	DATE:	10/29/15	APPROVALS		
DRAWN:	JB	ENG'R	TR	MET.	~	Q.C.
CHECKED:	JG	3/21/16				
ABB PROJECT #:	E00016429	MACHINE TYPE:	FOODEC 300T			

TITLE:		NESTLE STARTER PANEL WIRING DIAGRAM	
PROJECT NAME:		NESTLE FOODEC 300T	
S.O.		P000432	

DRAWING NUMBER:		SHEET 6 OF 18	
8733641			

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A	03/01/16	TM	AS BUILT
REV.	DATE	BY	DESCRIPTION

THIS DRAWING CERTIFIED FOR:	
CUSTOMER:	NESTLE PLT FREEHOLD
ADDRESS:	61 JERSEYVILLE, FREEHOLD, NJ 07728-2328
PROJECT:	
SOLD TO:	NESTLE PLT FREEHOLD
PURCHASE ORDER #:	
ALFA LAVAL PO #:	P000432
CONSULTING ENG.:	
CERTIFIED BY:	DATE:

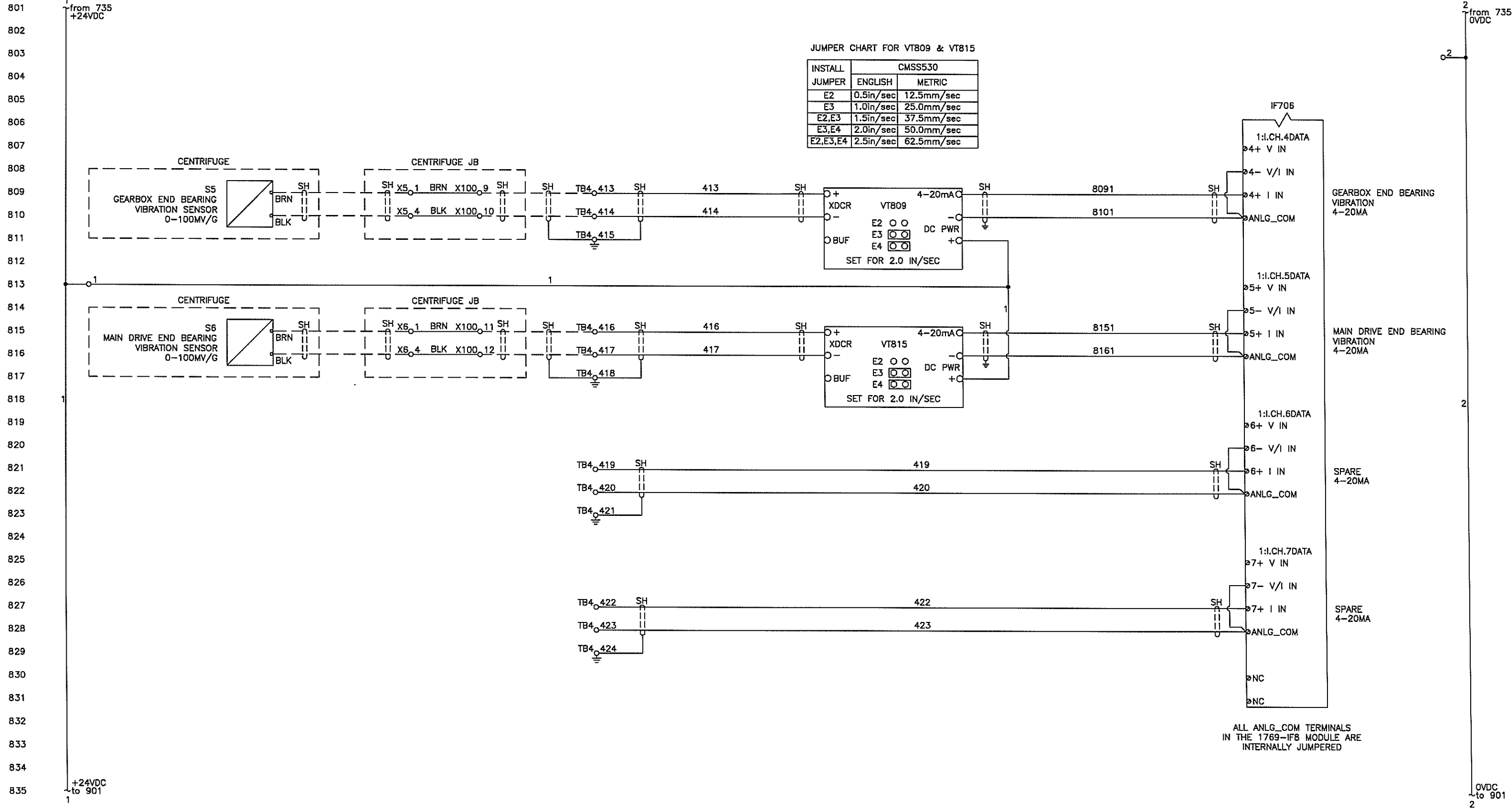
ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.	
FILE:	NESTLE.ZIP
FOLDER LOCATION:	

SCALE:	~	DATE:	10/29/15	APPROVALS		
DRAWN:	JB	CHECKED:	JG	ENG'R	MET.	Q.C.
ABB PROJECT #:	E00016429	MACHINE TYPE:	FOODEC 300T			

TITLE:		NESTLE STARTER PANEL ANALOG INPUT PART 1	
PROJECT NAME:		NESTLE FOODEC 300T	
S.O.		P000432	

 ALFA LAVAL 955 MEARNS ROAD WARMINSTER, PA 18974, U.S.A.		DRAWING NUMBER:	SHEET 7 OF 18
		8733641	

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REV.	DATE	BY	DESCRIPTION
A	03/01/16	TM	AS BUILT

THIS DRAWING CERTIFIED FOR:

CUSTOMER: NESTLE PLT FREEHOLD

ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328

PROJECT:

SOLD TO: NESTLE PLT FREEHOLD

PURCHASE ORDER #: _____

ALFA LAVAL PO #: P000432

CONSULTING ENG.: _____

CERTIFIED BY: _____ DATE: _____

ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.

FILE: NESTLE.ZIP

FOLDER LOCATION: _____

SCALE: ~

DATE: 10/29/15

DRAWN: JB

CHECKED: JG

ABB PROJECT #: E00016429

MACHINE TYPE: FODDEC 300T

APPROVALS

ENG'R	MET.	Q.C.
TR	~	

TITLE:

NESTLE STARTER PANEL ANALOG INPUT PART 2

PROJECT NAME: NESTLE FODDEC 300T

S.O. P000432

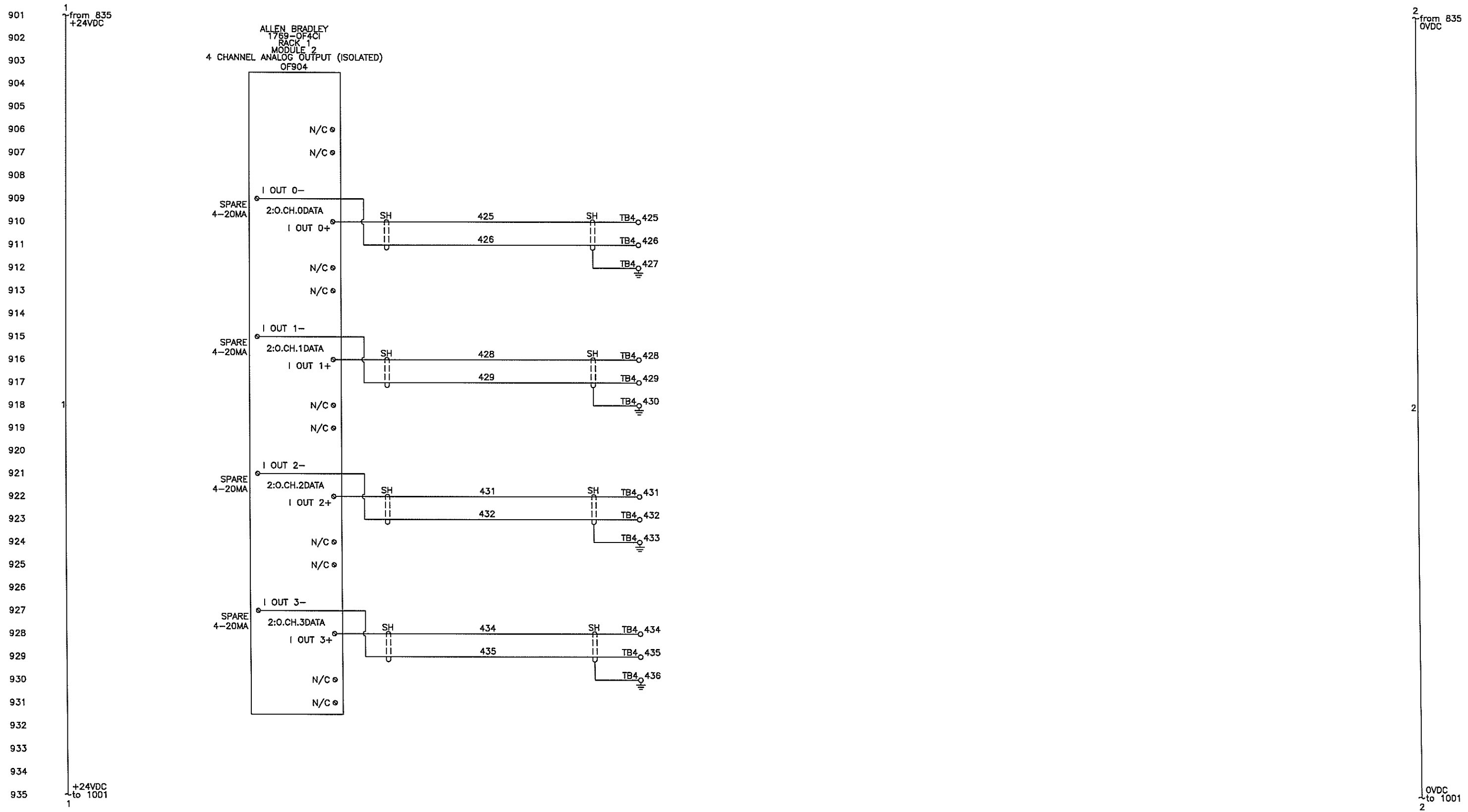
ALFA LAVAL

955 MEARN'S ROAD WARMINSTER, PA 18974, U.S.A.

DRAWING NUMBER: 8733641

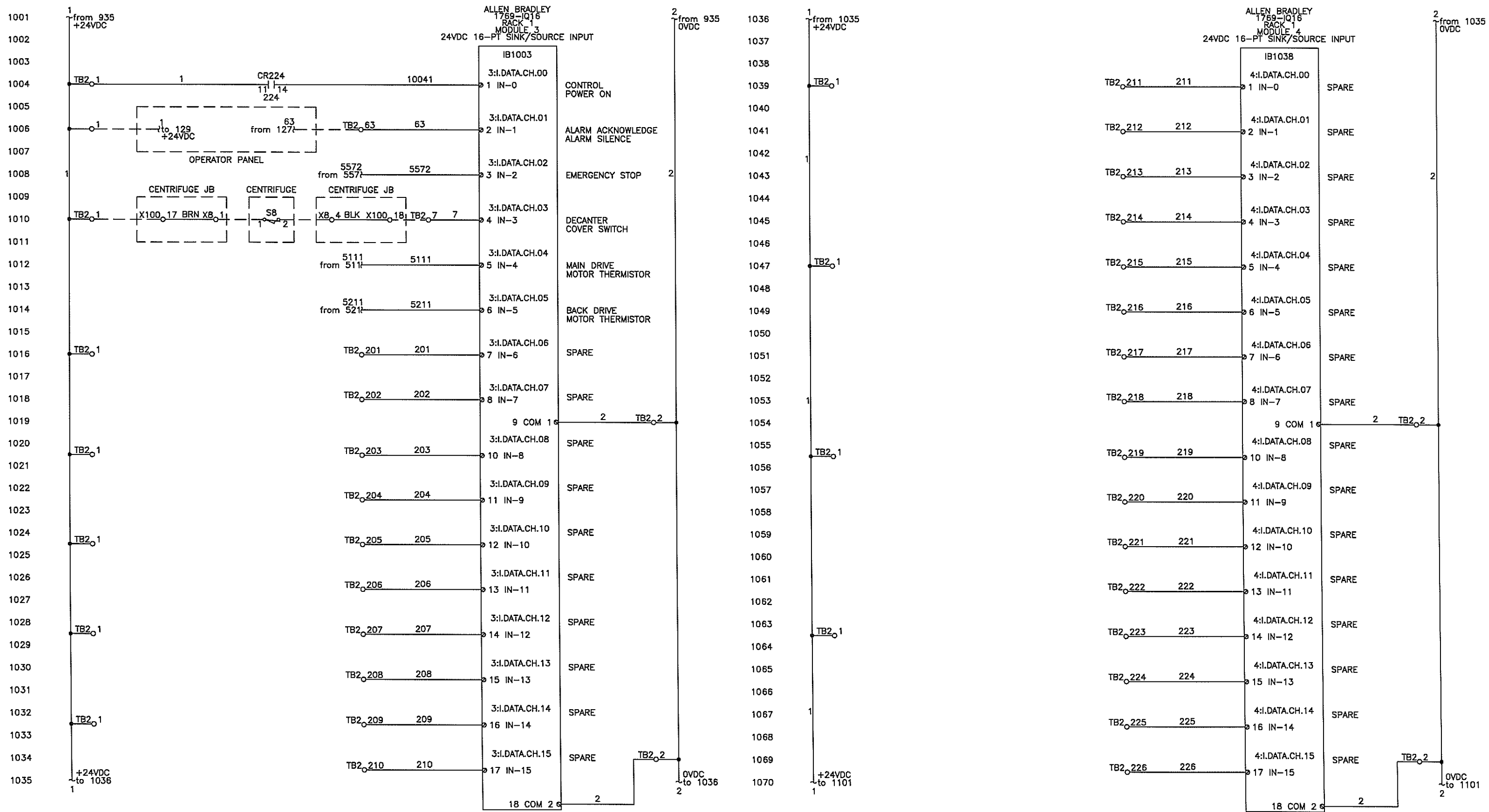
SHEET 8 OF 18

THIS PRINT REPRESENTS DESIGN AND ENGINEERING EFFORTS OF ABB INC. FOR ALFA LAVAL. IT IS LOANED IN CONFIDENCE AND MUST BE RETURNED UPON DEMAND. ANY USE DETRIMENTAL TO THE INTERESTS OF ABB IS PROHIBITED. IT MUST NOT BE LOANED, COPIED OR REPRODUCED WITHOUT PERMISSION.



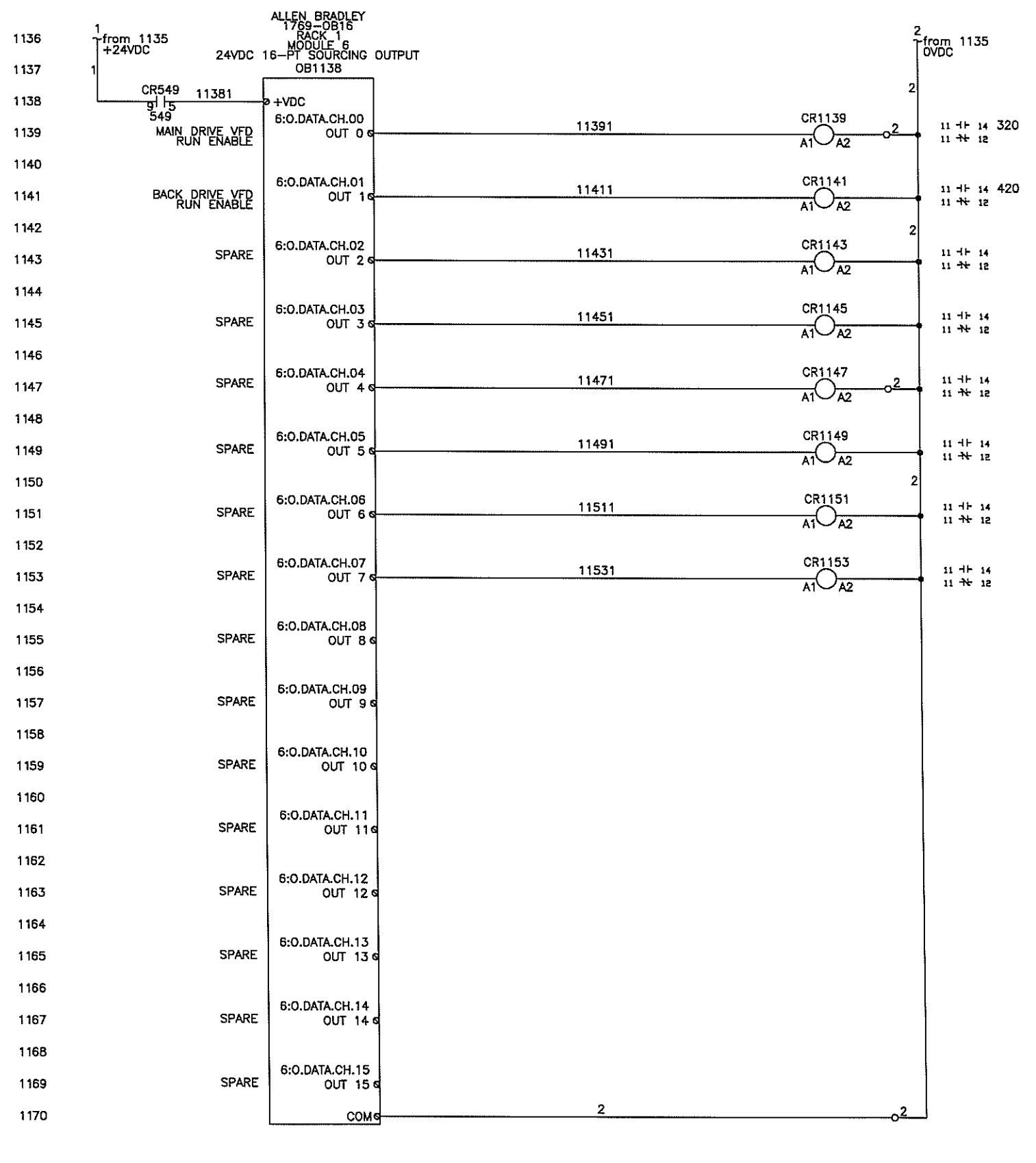
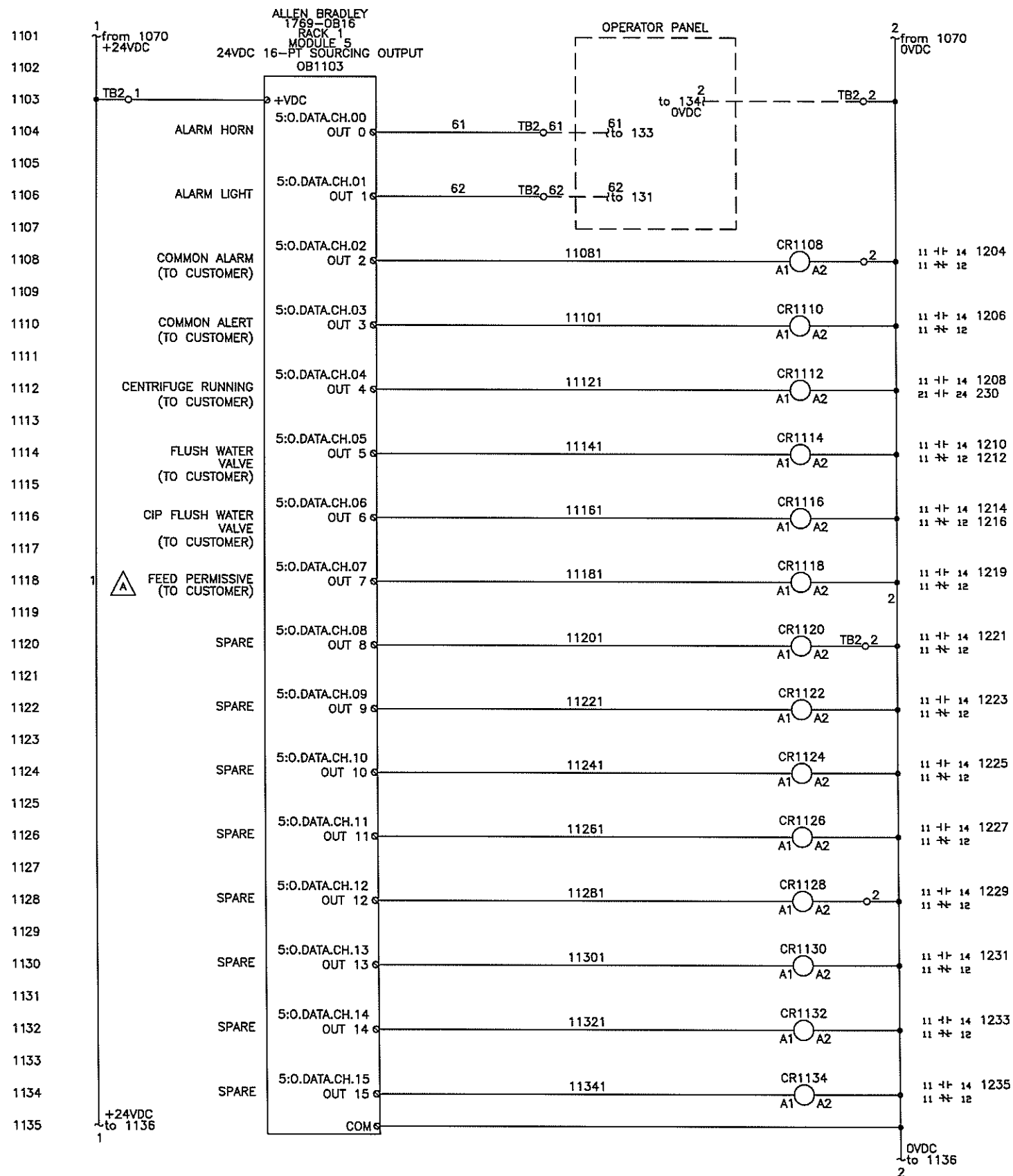
				THIS DRAWING CERTIFIED FOR:		ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.		SCALE: ~		DATE: 10/29/15		APPROVALS			TITLE: NESTLE STARTER PANEL ANALOG OUTPUTS		 ALFA LAVAL 955 MEARNS ROAD WARMINSTER, PA 18974, U.S.A.			
				CUSTOMER: NESTLE PLT FREEHOLD				DRAWN: JB				ENG'R			MET.				Q.C.	
				ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328				CHECKED: JG		3/4/16		TR			~		-			
				PROJECT: NESTLE PLT FREEHOLD				ABB PROJECT #: E00016429				MACHINE TYPE: FOODEC 300T			PROJECT NAME: NESTLE FOODEC 300T		DRAWING NUMBER: 8733641			
				PURCHASE ORDER #: P000432				FOLDER LOCATION: NESTLE.ZIP							S.O. P000432		SHEET 9 OF 18			
				ALFA LAVAL PO #: P000432																
				CONSULTING ENG.:																
				CERTIFIED BY: DATE:																
REV.	DATE	BY	DESCRIPTION																	
A	03/01/16	TM	AS BUILT																	

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CUSTOMER: NESTLE PLT FREEHOLD				FILE: NESTLE.ZIP				ABB PROJECT #: E00016429				PROJECT NAME: NESTLE FODDEC 300T				DRAWING NUMBER: SHEET 10 OF 18			
ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328				FOLDER LOCATION:				MACHINE TYPE: FODDEC 300T				S.O. P000432				8733641			
PROJECT: NESTLE PLT FREEHOLD																			
SOLD TO: NESTLE PLT FREEHOLD																			
PURCHASE ORDER #: P000432																			
ALFA LAVAL PO #: P000432																			
CONSULTING ENG.:																			
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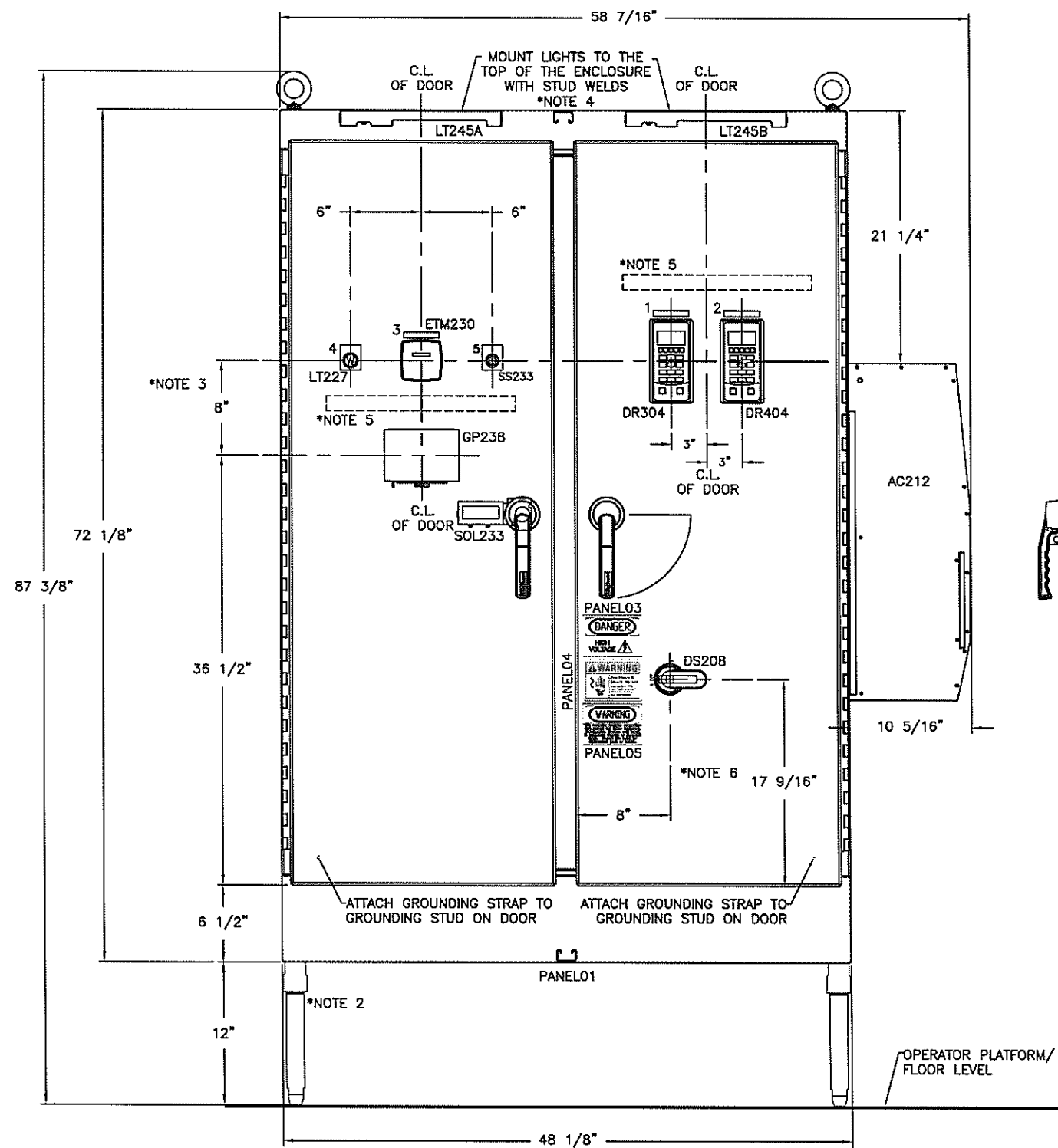
THIS DRAWING CERTIFIED FOR:				CUSTOMER: NESTLE PLT FREEHOLD				ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.				SCALE: ~		DATE: 10/29/15		APPROVALS			TITLE: NESTLE STARTER PANEL DIGITAL OUTPUT CARDS 1 & 2		 ALFA LAVAL 955 WEARNS ROAD WARMINSTER, PA 18974, U.S.A.	
ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328				PROJECT: NESTLE PLT FREEHOLD				FILE: NESTLE.ZIP				DRAWN: JB		CHECKED: JG		ENG'R: TR		MET. ~		Q.C. -		
PURCHASE ORDER #: P000432				ALFA LAVAL PO #: P000432				ABB PROJECT #: E00016429				MACHINE TYPE: FOODDEC 300T		PROJECT NAME: NESTLE FOODDEC 300T		DRAWING NUMBER: 8733641		SHEET 11 OF 18				
CONSULTING ENG.:				CERTIFIED BY:				DATE:				FOLDER LOCATION:		S.O. P000432								
REV. DATE BY DESCRIPTION																						

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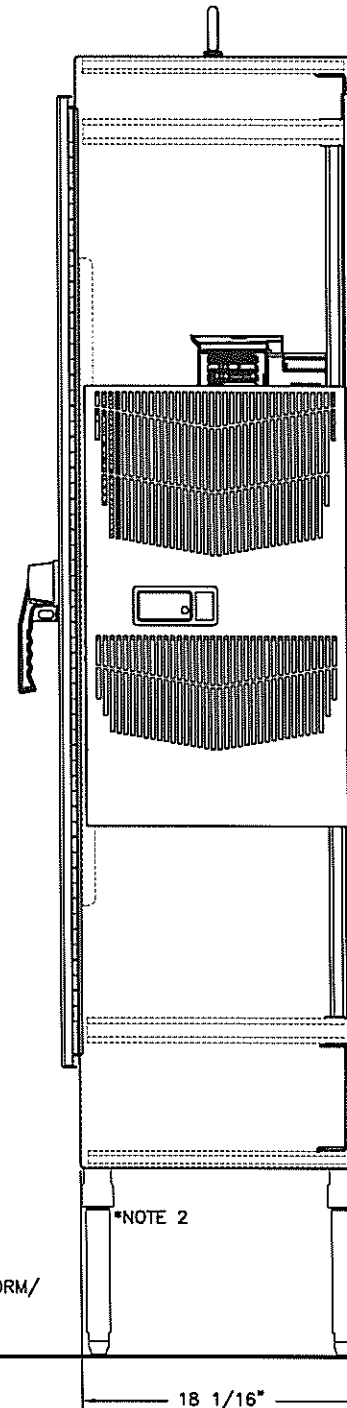
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1202		301	TB3_301	---	TB_301	1237
1203	CR1108	302	TB3_302	---	TB_302	1238
1204	11108				COMMON	1239
1205		303	TB3_303	---	TB_303	1240
1206	CR1110	304	TB3_304	---	TB_304	1241
1207	11110				COMMON	1242
1208		305	TB3_305	---	TB_305	1243
1209	CR1112	306	TB3_306	---	TB_306	1244
1210	11112				CENTRIFUGE	1245
1211		308	TB3_308	---	TB_308	1246
1212	CR1114	307	TB3_307	---	TB_307	1247
1213	11114				FLUSH WATER	1248
1214		309	TB3_309	---	TB_309	1249
1215	CR1114				VALVE	1250
1216	11114				OPEN	1251
1217		311	TB3_311	---	TB_311	1252
1218	CR1116	310	TB3_310	---	TB_310	1253
1219	11116				OPEN	1254
1220		312	TB3_312	---	TB_312	1255
1221	CR1116				CLOSE	1256
1222	11116					1257
1223		313	TB3_313	---	TB_313	1258
1224	CR1118	314	TB3_314	---	TB_314	1259
1225	11118				FEED	1260
1226		315	TB3_315	---		1261
1227	CR1120	316	TB3_316	---		1262
1228	11120					1263
1229		317	TB3_317	---		1264
1230	CR1122	318	TB3_318	---		1265
1231	11122					1266
1232		319	TB3_319	---		1267
1233	CR1124	320	TB3_320	---		1268
1234	11124					1269
1235		321	TB3_321	---		1270
	CR1126	322	TB3_322	---		
	11126					
		323	TB3_323	---		
	CR1128	324	TB3_324	---		
	11128					
		325	TB3_325	---		
	CR1130	326	TB3_326	---		
	11130					
		327	TB3_327	---		
	CR1132	328	TB3_328	---		
	11132					
		329	TB3_329	---		
	CR1134	330	TB3_330	---		
	11134					

				THIS DRAWING CERTIFIED FOR:		ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.	SCALE: ~	DATE:	APPROVALS			TITLE:	 ALFA LAVAL 955 MEARNS ROAD WARMINSTER, PA 18974, U.S.A.	
				CUSTOMER: NESTLE PLT FREEHOLD			DRAWN: JB	10/29/15	ENG'R	MET.	Q.C.	NESTLE STARTER PANEL RELAY OUTPUT WIRING		
				ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328			CHECKED: JG	3/21 16	TR	~	-			
				PROJECT:										
				SOLD TO: NESTLE PLT FREEHOLD										
A	03/01/16	TM	AS BUILT	PURCHASE ORDER #:										
				ALFA LAVAL PO #: P000432										
REV.	DATE	BY	DESCRIPTION	CONSULTING ENG.:							PROJECT NAME:	NESTLE FOODEC 300T	DRAWING NUMBER: 8733641	
				CERTIFIED BY:							S.O.	P000432		
							FILE:	ABB PROJECT #:		MACHINE TYPE:				SHEET 12 OF 18
							NESTLE.ZIP		E00016429		FOODEC 300T			
							FOLDER LOCATION:							

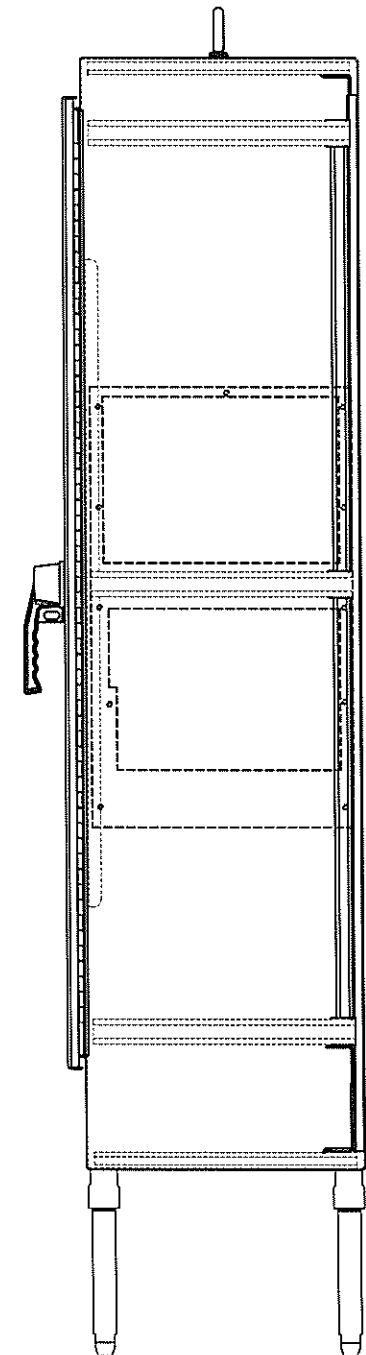
THIS PRINT REPRESENTS DESIGN AND ENGINEERING EFFORTS OF ABB INC. FOR ALFA LAVAL. IT IS LOANED IN CONFIDENCE AND MUST BE RETURNED UPON DEMAND. ANY USE DETRIMENTAL TO THE INTERESTS OF ABB IS PROHIBITED. IT MUST NOT BE LOANED, COPIED OR REPRODUCED WITHOUT PERMISSION.



RIGHT SIDE VIEW OF ENCLOSURE SHOWN WITH AIR CONDITIONER



RIGHT SIDE VIEW OF ENCLOSURE SHOWN WITH AIR CONDITIONER CUTOUT



WARNING

This controller contains parameters that protect the driven equipment. Configuration changes may result in equipment damage or personnel injury. Consult Alfa Laval for replacement parts or service.

NOTES:

- 1 - ALL DEVICES INSIDE AND OUT SHALL BE LABELED WITH LAMICOID. LAMICOID SHALL BE WHITE BACKGROUND WITH BLACK LETTERING.
- 2 - THE ENCLOSURE SHALL BE DRILLED OUT BY THE PANEL SHOP FOR THE STAINLESS STEEL MOUNTING LEGS, BUT WILL BE ASSEMBLED BY THE CUSTOMER AT SITE.
- 3 - KEYPADS, PUSH BUTTONS, AND ELAPSED TIME METER SHALL BE MOUNTED SO THEY ARE 5' 3" FROM THE OPERATOR PLATFORM/FLOOR.
- 4 - ENCLOSURE LIGHTS SHALL BE MOUNTED TO THE TOP OF THE ENCLOSURE WITH 10/32 STUD WELDS AND HARDWARE.
- 5 - MOUNT 1" x 2" WIRING DUCT ON THE INSIDE OF EACH DOOR.
- 6 - DIMENSIONS TO DISCONNECT HANDLE ARE FROM THE EDGES OF THE DOOR AND ARE APPROXIMATES. VERIFY PLACEMENT OF DISCONNECT BEFORE PUNCHING OUT HOLE.

LEGENDS:

- 1 - MAIN DRIVE VFD
- 2 - BACK DRIVE VFD
- 3 - ELAPSED TIME METER
- 4 - CONTROL POWER ON
- 5 - DOOR DEFEATER NORMAL DEFEAT

UL LABEL REQUIRED

REV.	DATE	BY	DESCRIPTION
A	03/01/16	TM	AS BUILT
THIS DRAWING CERTIFIED FOR:			
CUSTOMER: NESTLE PLT FREEHOLD			
ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328			
PROJECT: NESTLE PLT FREEHOLD			
SOLD TO: NESTLE PLT FREEHOLD			
PURCHASE ORDER #: P000432			
ALFA LAVAL PO #: P000432			
CONSULTING ENG.:			
CERTIFIED BY: DATE:			

ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.

FILE: NESTLE.ZIP
FOLDER LOCATION:

SCALE: ~
DATE: 10/29/15
DRAWN: JB
CHECKED: JG
ABB PROJECT #: E00016429

APPROVALS
ENG'R: TR
MET: ~
Q.C: -
MACHINE TYPE: FOODEC 300T

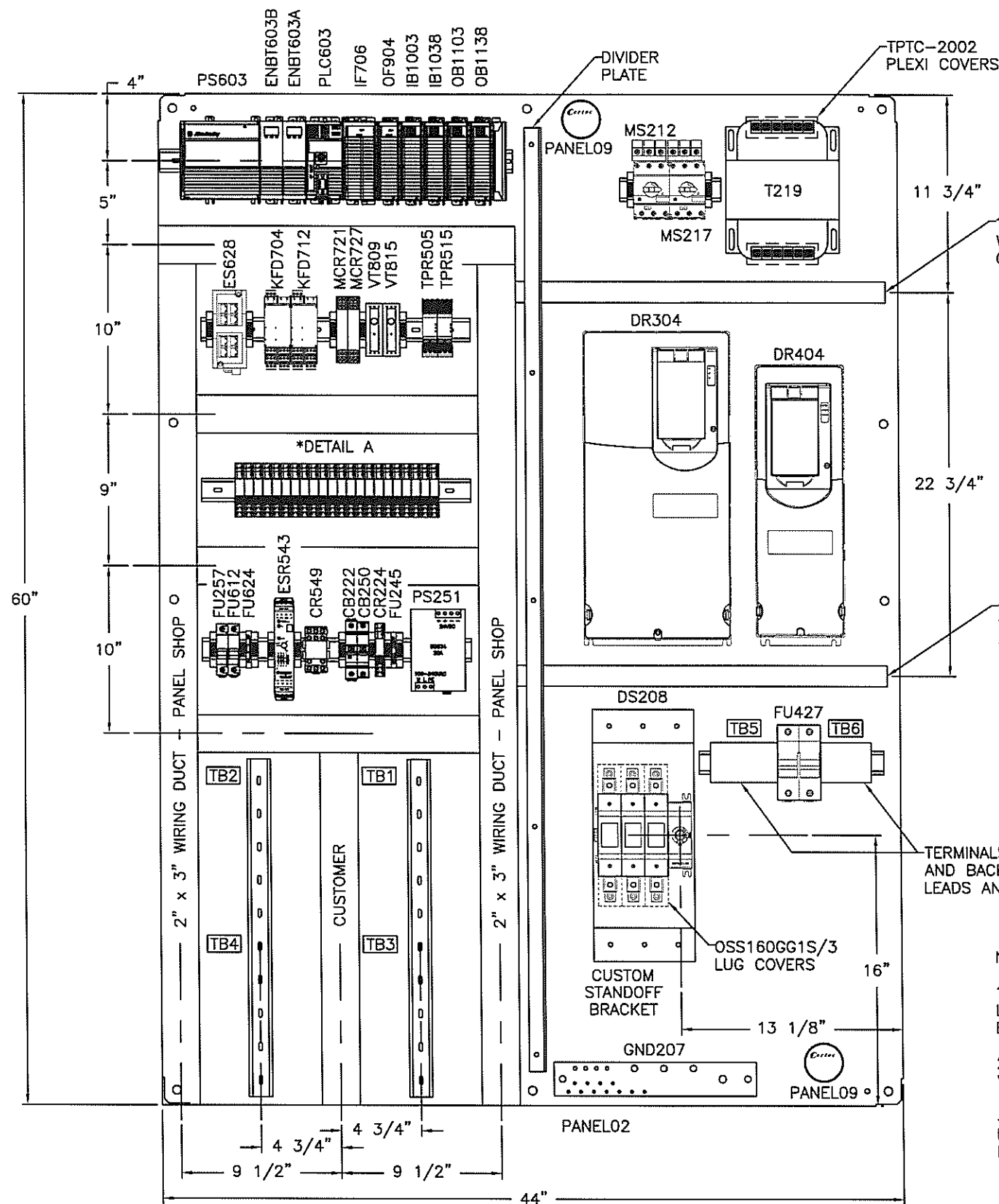
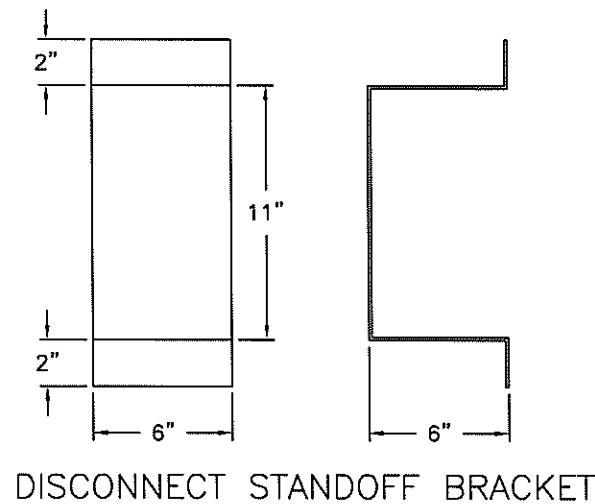
TITLE: NESTLE STARTER PANEL ENCLOSURE LAYOUT
PROJECT NAME: NESTLE FOODEC 300T
S.O. P000432



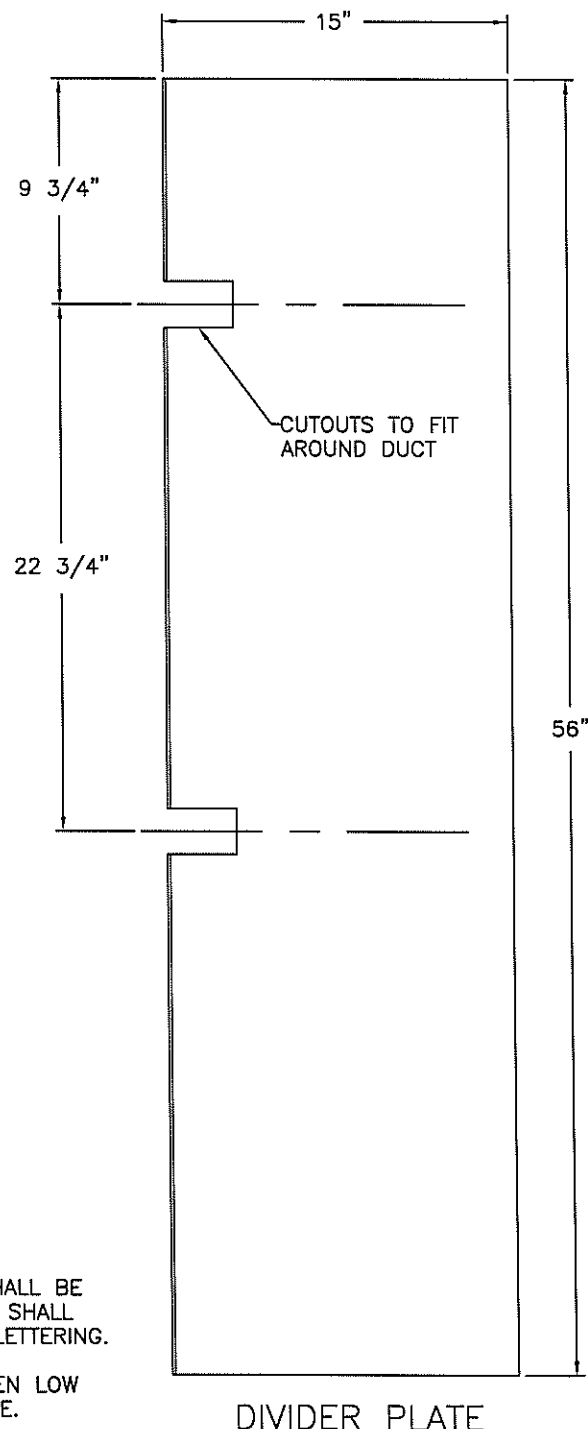
DRAWING NUMBER: 8733641
SHEET 13 OF 18

THIS PRINT REPRESENTS DESIGN AND ENGINEERING EFFORTS OF ABB INC. FOR ALFA LAVAL. IT IS LOANED IN CONFIDENCE AND MUST BE RETURNED UPON DEMAND. ANY USE DETRIMENTAL TO THE INTERESTS OF ABB IS PROHIBITED. IT MUST NOT BE LOANED, COPIED OR REPRODUCED WITHOUT PERMISSION.

*DETAIL A															
CR1108	CR1110	CR1112	CR1114	CR1116	CR1118	CR1120	CR1122	CR1124	CR1126	CR1128	CR1130	CR1132	CR1134	CR1136	CR1138
CR1140	CR1142	CR1144	CR1146	CR1148	CR1150	CR1152	CR1154	CR1156	CR1158	CR1160	CR1162	CR1164	CR1166	CR1168	CR1170



- NOTES:
- 1 - ALL DEVICES INSIDE AND OUT SHALL BE LABELED WITH LAMICOID. LAMICOID SHALL BE WHITE BACKGROUND WITH BLACK LETTERING.
 - 2 - DIVIDER PLATE REQUIRED BETWEEN LOW VOLTAGE SIDE AND HIGH VOLTAGE SIDE.
 - 3 - DIMENSIONS TO THE CENTER OF THE DISCONNECT ARE FROM THE EDGES OF THE PANEL AND ARE APPROXIMATES.



UL LABEL REQUIRED

REV.	DATE	BY	DESCRIPTION
A	03/01/16	TM	AS BUILT

THIS DRAWING CERTIFIED FOR:			
CUSTOMER: NESTLE PLT FREEHOLD			
ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328			
PROJECT: NESTLE PLT FREEHOLD			
SOLD TO: NESTLE PLT FREEHOLD			
PURCHASE ORDER #: P000432			
ALFA LAVAL PO #: P000432			
CONSULTING ENG.:			
CERTIFIED BY: DATE:			

ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.			
FILE: NESTLE.ZIP		ABB PROJECT #: E00016429	
FOLDER LOCATION:		MACHINE TYPE: FODDEC 300T	

SCALE: ~	DATE: 10/29/15	APPROVALS		
DRAWN: JB	CHECKED: JG	ENG'R	MET.	Q.C.
		TR	~	-

TITLE: NESTLE STARTER PANEL PANEL LAYOUT			
PROJECT NAME: NESTLE FODDEC 300T			
S.O. P000432			

ALFA LAVAL
955 MEARNS ROAD
WARMINSTER, PA 18974, U.S.A.

DRAWING NUMBER: 8733641

SHEET 14 OF 18

A	03/01/16	TM	AS BUILT
REV.	DATE	BY	DESCRIPTION

THIS DRAWING CERTIFIED FOR:	
CUSTOMER:	NESTLE PLT FREEHOLD
ADDRESS:	61 JERSEYVILLE, FREEHOLD, NJ 07728-2328
PROJECT:	
SOLD TO:	NESTLE PLT FREEHOLD
PURCHASE ORDER #:	
ALFA LAVAL PO #:	P000432
CONSULTING ENG.:	
CERTIFIED BY:	DATE:

FILE:	NESTLE.ZIP
FOLDER LOCATION:	

ABB PROJECT #:
E00016429

APPROVALS		
ENG'R	MET.	Q.C.
TR	~	—

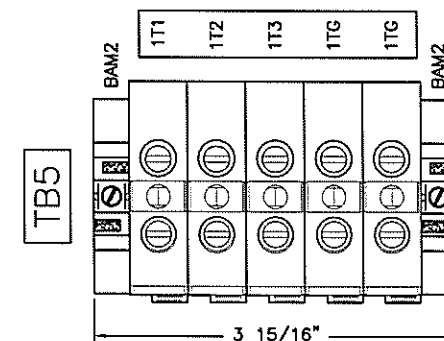
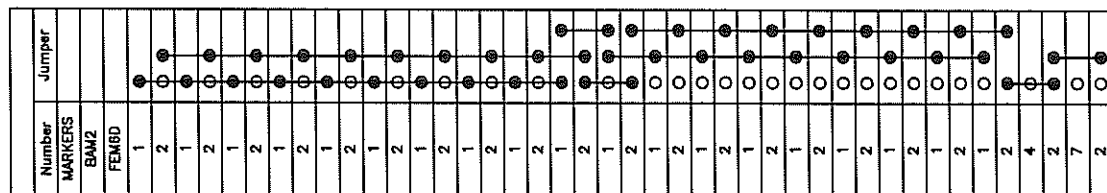
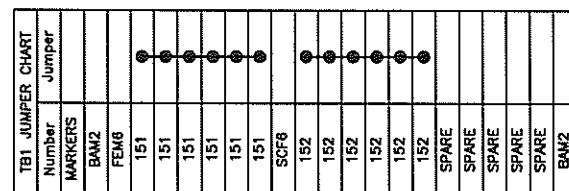
MACHINE TYPE:	FOODEC 300T
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PROJECT NAME:	NESTLE FOODEC 300T
---------------	--------------------

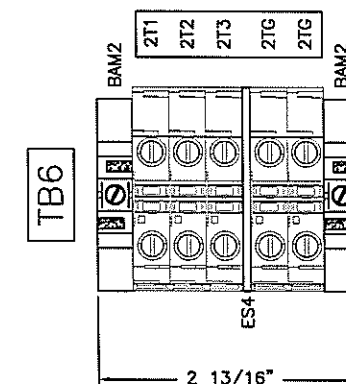

ALFA LAVAL
955 MEARN'S ROAD
WARMINSTER, PA 18974, U.S.A.

DRAWING NUMBER: SHEET 15 OF 18

8733641



Number	Jumper
BAW2	
1T1	O
1T2	O
1T3	O
1TG	●
1TG	●



Number	Jumper
BAW2	
2T1	○
2T2	○
2T3	○
ES4	
2TG	●●
2TG	

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TIGHTEN LUG MOUNTING BOLTS, CABLE
CONNECTIONS AND GROUND CONNECTIONS
TO THESE RATINGS.

TORQUE SETTINGS		
TAGNAME	CAT	USER3
DR304	20G11ND052AA0NNNNN	WIRE/CABLE - 24 LB IN : LUGS MOUNTING - ---- : GND - 30 LB IN
DR404	20G11ND011AA0NNNNN	WIRE/CABLE - 5 LB IN : LUGS MOUNTING - ---- : GND - 12 LB IN
DS208	OS100GJ03	WIRE/CABLE - 120 LB IN : LUGS MOUNTING - 50 LB IN : GND - ----
FU427	US3J2I	WIRE/CABLE - 35 LBS IN : LUGS MOUNTING - ---- : GND - ----
MS212	MS325-9.0	WIRE/CABLE - 14 LB IN : LUGS MOUNTING - ---- : GND - ----
MS217	MS325-9.0	WIRE/CABLE - 14 LB IN : LUGS MOUNTING - ---- : GND - ----

NOTE:
-CHECK TORQUE ON LUG MOUNTING BOLTS, CABLE CONNECTIONS
AND GROUND CONNECTIONS AND APPLY A PAINT TORQUE MARKING
ON CONNECTIONS PRIOR TO SHIPPING (BY PANEL BUILDER).
-AFTER INSTALLATION (BY INSTALLING CONTRACTOR).
-PANEL MAINTENANCE WILL REQUIRE A RECHECK OF TORQUE
EVERY SIX MONTHS (BY PLANT MAINTENANCE).

WARNING - LOOSE CONNECTIONS CAN CAUSE OVERHEATING
AND LEAD TO COMPONENT DAMAGE OR FAILURE

				THIS DRAWING CERTIFIED FOR:		ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.	SCALE: ~	DATE:	APPROVALS			TITLE:	 ALFA LAVAL 955 MEARN'S ROAD WARMINSTER, PA 18974, U.S.A.
				CUSTOMER: NESTLE PLT FREEHOLD			DRAWN: JB	10/29/15	ENG'R	MET.	Q.C.	NESTLE STARTER PANEL TORQUE SETTINGS	
				ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328			CHECKED: JG	3/21/16	TR	~	-		
				PROJECT:			ABB PROJECT #:		MACHINE TYPE:		PROJECT NAME:		
				SOLD TO: NESTLE PLT FREEHOLD			E00016429		FOODEC 300T		NESTLE FOODEC 300T		
A	03/01/16	TM	AS BUILT	PURCHASE ORDER #:		FILE:							
				ALFA LAVAL PO #:		NESTLE.ZIP							
REV.	DATE	BY	DESCRIPTION	CONSULTING ENG.:		FOLDER LOCATION:						S.O.	
				CERTIFIED BY:								P000432	
				DATE:									

DRAWING NUMBER: 8733641

SHEET 16 OF 18

THIS PRINT REPRESENTS DESIGN AND ENGINEERING EFFORTS OF ABB INC. FOR ALFA LAVAL. IT IS LOANED IN CONFIDENCE AND MUST BE RETURNED UPON DEMAND. ANY USE DETRIMENTAL TO THE INTERESTS OF ABB IS PROHIBITED. IT MUST NOT BE LOANED, COPIED OR REPRODUCED WITHOUT PERMISSION.

DEVICE ID	QTY	CATALOG	MFG	DESCRIPTION	CATCUT
AC212	1	G280446G051	HOFFMAN	AIR CONDITIONER, NEMA 4X SS (INDOOR), 4600/4900 BTU, 400/460 VAC, 7.7A STARTING CURRENT, 1.7/1.9A RUNNING CURRENT	2730
CB222	1	S201U-K20	ABB CONTROL	1-POLE CIRCUIT BREAKER, 20 AMP, 240VAC, 10kA INTERRUPTING, K-CURVE, UL 489 LISTED	962
CB250	1	S201-B10	ABB CONTROL	1-POLE CIRCUIT BREAKER, 10 AMP, 480Y/277VAC, 6kA INTERRUPTING, B-CURVE	132
CR1108	1	2966692	PHOENIX CONTACT	PLUG IN BRIDGE FOR RELAYS, BLUE, 500mm LONG, INSULATED, FINGER SAFE	1735
CR1108,CR1110,CR1114,CR1116,CR1118,CR1120,CR1122,CR1124,CR1126,CR1128,CR1130,CR1132,CR1134,CR1139,CR1141,CR1143,CR1145,CR1147,CR1149,CR1151,CR1153	21	2967620	PHOENIX CONTACT	CONTROL RELAY, SPDT, 24VDC COIL, 10 AMP CONTACTS, BASE - 2967772, RELAY - 2961312	475
CR1112	1	2967073	PHOENIX CONTACT	CONTROL RELAY, DPDT, 24VDC COIL, 6 AMP CONTACTS	1400
CR224	1	2967662	PHOENIX CONTACT	CONTROL RELAY, SPDT, 120VAC COIL, 10 AMP CONTACTS, BASE - 2967811, RELAY - 2961338	475
CR549	1	SH3B-05C	IDEC	RELAY SOCKET, FINGER SAFE, DIN RAIL OR PANEL MOUNTABLE, FOR RH3B* RELAYS	272
CR549	1	RH3B-ULC-DC24V	IDEC	CONTROL RELAY, 3PDT, 24 VDC COIL, INDICATOR, CHECK BUTTON, PLUG-IN, WITH SH3B SOCKETS	272
DR304	1	20G11ND052AA0NNNNN	ALLEN BRADLEY	AC DRIVE - POWERFLEX 755, 480VAC, 40HP, 47.7A INPUT, 52A OUTPUT, FRAME 4, IP20 UL OPEN TYPE, WITH ETHERNET/IP PORT, NO HIM	2225
DR304,DR404	2	20-750-2262C-2R	ALLEN BRADLEY	I/O MODULE, FOR POWERFLEX 750 DRIVES, 24VDC I/O, (2)AI, (2)AO, (6)DI, (2) RELAY OUTS (1)PTC, (1) +/-10V REFERENCE	2225
DR304,DR404	2	20-750-S	ALLEN BRADLEY	SAFE TORQUE OFF OPTION MODULE FOR POWERFLEX 750 DRIVES, +24VDC POWER AND SAFETY ENABLE SUPPLY	2225
DR304,DR404	2	20-HIM-C6S	ALLEN BRADLEY	KEYPAD CONTROL PANEL(HIM) FOR AB PF70/700/750 DRIVES, IP66 NEMA 4X/12, ENHANCED LCD DISPLAY, FULL NUMERIC, W/ 3M CABLE PANEL MOUNT	2772
DR304,DR404,ENBT603A	3	CAT5-CUSTOM	CUSTOM	CAT5 CABLE - RJ45, SHIELDED, STRAIGHT PINNED, LENGTH AS REQUIRED	---
DR404	1	20G11ND011AA0NNNNN	ALLEN BRADLEY	AC DRIVE - POWERFLEX 755, 480VAC, 7.5HP (ND/HD), 9.5A INPUT, 11A OUTPUT, FRAME 2, IP20 UL OPEN TYPE, WITH ETHERNET/IP PORT, NO HIM	2225
DS208	1	OS100GJ03	ABB CONTROL	FUSED DISCONNECT SWITCH, GAMMA SERIES, 3-POLE, 100A, 480/600VAC, 60/75HP, TYPE J FUSE, SHAFT ON LEFT, UL98 RATED	2380
DS208	1	OZXA-24	ABB CONTROL	TERMINAL LUGS, FOR OS100 FUSED DISCONNECT SWITCHES, #14-2/0 AWG WIRE, 6 PIECES PER PACKAGE	2380
DS208	2	OSS160GG15/3	ABB CONTROL	TERMINAL SHROUDS, SHORT TYPE, FOR OS100G FUSED DISCONNECT SWITCHES, GREY, 3 PIECES PER PACKAGE	2380
DS208	1	OHB80L6	ABB CONTROL	PISTOL GRIP HANDLE, FOR USE WITH .24" x .24" SHAFTS, FOR OS DISCONNECTS, AND TMAX BREAKERS, NEMA TYPE: 1, 3R, 4, 4X, 12	2380
DS208	1	OSP6X430	ABB CONTROL	SHAFT, .24" x .24", 16.9" LONG, FOR USE WITH PISTOL GRIP HANDLES, FITS OS STYLE DISCONNECTS, AND TMAX BREAKERS	2380
DS208	1	OS100 STANDOFF	CUSTOM	DISCONNECT SWITCH STANDOFF BRACKET, FOR OS100 DISCONNECT, SHEET METAL PAINTED WHITE, DETAILS ON DRAWINGS	---
DS208	3	HSJ80	MERSEN	FUSE - HIGH SPEED CLASS J, 80 AMP, 600VAC/500VDC, USE WITH 610 SJ STYLE FUSE BLOCK	2776
ENBT603A,ENBT603B	2	1768-ENBT	ALLEN BRADLEY	1768 COMPACTLOGIX MODULE FOR ETHERNET/IP COMMUNICATION	2232
ES628	1	1783-EMS08T	ALLEN BRADLEY	STRATIX 6000 ETHERNET MANAGED SWITCH, (8) RJ45 & (1) FIBER SFP PORTS, 24VDC POWER, 2.2A INRUSH CURRENT	1334
ESR543	1	440R-S13R2	ALLEN BRADLEY	GUARDMASTER SAFETY RELAY, 24VDC, (1) DUAL CHANNEL, (3) N.O. SAFETY OUTPUTS, 1 N.C. AUX. OUTPUT, AUTO/MAN RESET	1143
ETM230	1	016-156A-PNZH-C6-FS-MG-BI	CROMPTON	ELAPSED TIME METER, NON RESET, NEMA 4, WITH GASKET AND (2) GUARDS	70
FU245	1	0115 661.21	ABB CONTROL	FUSE HOLDER FOR 5mm X 20mm GLASS FUSES, 120 VAC, NEON LAMP INDICATOR	22
FU245	1	GMA1	BUSSMANN	FUSE - GLASS, FAST ACTING 1 AMP, 240 VAC, 5mm X 20mm	34
FU245,FU624	2	0116 951.15	ABB CONTROL	FUSE END SECTION, USED WITH M4/8 SFL OR SFD FUSE HOLDERS	23
FU257	1	KLM-20	BUSSMANN	FUSE - 20AMPS, 600VDC, MIDGET 13/32 X 1-1/2	2594
FU257,FU612	2	USM11-DC24	MERSEN	1 POLE FUSE HOLDER - MIDGET, 24VDC, 30AMPS, FOR 10.3mm X 38mm, (13/32" x 1-1/2") FUSES, WITH INDICATOR	2446
FU427	2	HSJ20	MERSEN	FUSE - HIGH SPEED CLASS J, 20 AMP, 600VAC/500VDC, USE WITH US3J STYLE FUSE HOLDERS	2776
FU427	1	US3J2I	MERSEN	2 POLE FUSE HOLDER - ULTRASAFE MODULAR HOLDER, 600VAC/DC, 30AMPS, FOR CLASS J FUSES, WITH INDICATOR	2662
FU612	1	FNM-8	BUSSMANN	FUSE - MIDGET, TIME DELAY, 8 AMPS, 125VAC/DC, 1 1/2" x 13/32", UL LISTED	907
FU624	1	0115 663.23	ABB CONTROL	FUSE HOLDER FOR 5mm X 20mm GLASS FUSES, 24 VDC, DIODE LED INDICATOR	22
FU624	1	GMA3	BUSSMANN	FUSE - GLASS, FAST ACTING 3 AMPS, 240 VAC, 5mm X 20mm	34
GND207	1	GND BLOCK_2	CUSTOM	GROUND BLOCK, 12" X 2"	---
GP238	1	P-R62-M5RF3	GRACEPORT	INTERFACE PORT, NEMA 4X SS, 120VAC GFCI, 3A CIRCUIT BREAKER, CAT6 RJ45 ETHERNET PORT	1153
IB1003,IB1038	2	1769-IQ16	ALLEN BRADLEY	1769 COMPACTLOGIX DIGITAL INPUT MODULE, 24VDC, 16 POINT SINK/SOURCE, 115mA BUS CURRENT, 250mA MAX	1186
IF706	1	1769-IF8	ALLEN BRADLEY	1769 COMPACTLOGIX ANALOG INPUT MODULE, 8 CHANNEL, DIFF. OR SINGLE ENDED, 0-10VDC, 0-20mA, 4-20mA, 70mA BUS CURRENT	1818
KFD704,KFD712	2	KFD2-UFC-1.D	PEPPERL & FUCHS	FREQUENCY CONVERTER, DIGITAL INPUT TO ANALOG OUTPUT, 20-30VDC POWER, (2) RELAY OUTS, PROGRAMMABLE, 0.0001-12K Hz.	1769
LT227	1	ML1-100W	ABB CONTROL	PILOT LIGHT, MODULAR RANGE, WHITE LENS, USE FILAMENT OR LED BULBS, 22mm CUTOUT	1780
LT227	1	MCBH-001	ABB CONTROL	LAMP BLOCK WITH HOLDER, FOR MAX 2W, 230VAC/DC FILAMENT OR LED BULB	1630
LT227	1	KA2-2135	ABB CONTROL	WHITE LED, 110-130VAC, 4-6mA, 350-600mcd (-30% AT AC)	1632
LT245A	1	LEDA20C	HOFFMAN	POWER CABLE WITH LEADS FOR AC LED ENCLOSURE LIGHTS, 78.74 IN., 16AWG LEADS	2442
LT245A,LT245B	2	LEDA1S35	HOFFMAN	LED ENCLOSURE LIGHT, 90-260VAC, 5 WATTS, 13.82", WITH ON/OFF SWITCH	2442
MCR721,MCR727	2	28 10 35 3	PHOENIX CONTACT	MCR PT100-I MODULE, FOR 2-4 WIRE PT100 RTD, SETTABLE DIP SWITCHES FOR 0.0 TO 300 DEG.C, 4-20mA OUT, 24VDC POWER	1327
MS212,MS217	2	MS325-9.0	ABB CONTROL	MANUAL MOTOR STARTER, 3-POLE, 600VAC, 6.3 - 9AMP SETTING, 25A OPERATING CURRENT, IP20 RATED	97
MS212,MS217	2	S3-M3	ABB CONTROL	LINE SIDE FEEDER BLOCK FOR MS325, REQUIRED FOR UL 508 TYPE E	1963
OB1103,OB1138	2	1769-OB16	ALLEN BRADLEY	1769 COMPACTLOGIX DIGITAL OUTPUT MODULE, 24VDC, 16 POINT SOURCING OUTPUT, 1A PER CHANNEL MAX	1184
OB1138	1	1769-ECR	ALLEN BRADLEY	RIGHT END CAP, FOR COMPACTLOGIX I/O MODULES	1181
OF904	1	1769-OF4CI	ALLEN BRADLEY	1769 COMPACTLOGIX ANALOG OUTPUT MODULE, 4 CHANNEL ISOLATED DIFFERENTIAL OUTPUT, 0-20/4-20mA, 140mA BUS CURRENT	2046

				THIS DRAWING CERTIFIED FOR:		ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.		SCALE: ~		DATE: 10/29/15		APPROVALS			TITLE: NESTLE STARTER PANEL BILL OF MATERIALS		 ALFA LAVAL 955 MEARNS ROAD WARMINSTER, PA 18974, U.S.A.		
				CUSTOMER: NESTLE PLT FREEHOLD				DRAWN: JB		ENG'R		MET.		Q.C.					
				ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328				CHECKED: JG		5/21/16		TR		~					
				PROJECT: NESTLE PLT FREEHOLD				ABB PROJECT #: E00016429		MACHINE TYPE: FODDEC 300T		PROJECT NAME: NESTLE FODDEC 300T		S.O. P000432					
A 03/01/16 TM AS BUILT				PURCHASE ORDER #: P000432		FILE: NESTLE.ZIP		FOLDER LOCATION:								DRAWING NUMBER: 8733641		SHEET 17 OF 18	
REV. DATE BY DESCRIPTION				CONSULTING ENG.:		CERTIFIED BY: DATE:													

DEVICE ID	QTY	CATALOG	MFG	DESCRIPTION	CATCUT
PANEL01	1	A724818SSFSDN4	HOFFMAN	FREE-STANDING ENCLOSURE, 2 DOOR, NEMA 4X, 304 STAINLESS STEEL, 3 POINT LATCHING, 72.12" x 48.12" x 18.06"	2279
PANEL01	1	WSASLKSS	HOFFMAN	SANITARY LEG KIT, NEMA 4X SS, ADJUSTABLE 11.50"-12.50", (4) LEGS PER KIT	1987
PANEL01	1	UL LABEL	CUSTOM	UL LABEL REQUIRED FOR PANEL	---
PANEL01	1	DIVIDER PLATE	CUSTOM	DMIDER PLATE WITH MOUNTING HARDWARE, STEEL PAINTED WHITE	---
PANEL02	1	A72P48F1	HOFFMAN	SUBPANEL, PAINTED WHITE, 60" x 44", FOR 72" x 48" FREE-STANDING ENCLOSURES	77
PANEL03	1	I7518	SETON	LABEL - DANGER HIGH VOLTAGE, RED BACKGROUND, WHITE LETTERING, SEE DRAWINGS FOR DETAILS	55
PANEL04	1	J5541	SAFETY SIGNS	LABEL - ARC FLASH LABEL	---
PANEL05	1	WARNING--AL	CUSTOM	LABEL - WARNING LAMACOID 3.5" X 2.5", YELLOW BACKGROUND, BLACK LETTERING, DESCRIPTION ON DRAWING	---
PANEL06	4	F2X3LG6	PANDUIT	WIRING DUCT, NARROW SLOTTED, LIGHT GRAY, 2.00" WIDE x 3.00" HIGH, 6 FOOT PER PIECE	2882
PANEL06	4	C2LG6-F	PANDUIT	COVER FOR WIRING DUCT, 2.00" WIDE, LIGHT GRAY, WITH PROTECTIVE FILM COVER, 6 FOOT PER PIECE	2883
PANEL07	1	F1X2LG6	PANDUIT	WIRING DUCT, NARROW SLOTTED, LIGHT GRAY, 1.00" WIDE x 2.00" HIGH, 6 FOOT PER PIECE	2882
PANEL07	1	C1LG6-F	PANDUIT	COVER FOR WIRING DUCT, 1.00" WIDE, LIGHT GRAY, WITH PROTECTIVE FILM COVER, 6 FOOT PER PIECE	2883
PANEL08	6	010159826	ABB CONTROL	ZINC/STEEL DIN RAIL EN 50022 (35mm x 15mm x 2m)	2732
PANEL09	2	VPCI-111	CORTEC CORP	CORROSION INHIBITOR	1487
PLC603	1	I768-L43	ALLEN BRADLEY	1768 COMPACTLOGIX CONTROLLER, 24VDC, 1.3A/6.3W, RS232 PORT, CF SLOT, 2MB MEMORY	2231
PLC603	1	I784-CF128	ALLEN BRADLEY	128MB COMPACTFLASH CARD, FOR CONTROL AND COMPACTLOGIX CPU	---
PS251	1	3BSC610067R1	ABB AUTOMATION	SD834 POWER SUPPLY, SINGLE PHASE, 100-240VAC/4.5A INPUT, 24VDC/20A OUTPUT, PRIMARY: 10-20A EXTERNAL PROTECTION	2239
PS603	1	I768-PB3	ALLEN BRADLEY	1768 COMPACTLOGIX POWER SUPPLY - SINGLE-INPUT SUPPLY, 16.8-31.2VDC SUPPLY, 8-12A/112W	2045
SOL233	1	AEK115	HOFFMAN	ELECTRONIC DOOR INTERLOCK, FOR ENCLOSURES WITH DOOR HANDLES, 115 VAC	2757
SS233	1	M2SSK2-101	ABB CONTROL	KEY-OPERATED SELECTOR SWITCH - 2-POSITION (C TO R), MAINTAINED, KEY REMOVAL IN CENTER (B) POSITION ONLY, WITH 1 N.C. BLOCK	1778
SS233	1	MCBH-00	ABB CONTROL	HOLDER, FOR 3 CONTACT BLOCKS, FOR 22mm PUSH BUTTONS	1630
T219	1	X42K1	ABB CONTROL	INDUSTRIAL CONTROL TRANSFORMER, 2000VA, 460VAC PRIMARY, 115VAC SECONDARY	390
T219	2	TPTC-2002	ABB CONTROL	IP20 FINGER SAFE TERMINAL COVER, FOR 6 TERMINALS ON 350VA TO 5KVA ABB TRANSFORMERS	2725
TB,TB1,TB2,TB3,TB4,TB5,TB6	28	0206 351.16	ABB CONTROL	END STOP - BAM2, SCREW CLAMP FOR RAIL CONATCT	19
TB1	17	0115 116.07	ABB CONTROL	TERMINAL BLOCK - M 4/6, GREY, FEED THROUGH, 30AMPS, 22-10AWG	21
TB1	1	0118 707.03	ABB CONTROL	SEPARATOR END SECTION - SCF6, GREY, FOR M4/6, M6/8, M10/10 TERMINALS	1700
TB1	2	0176 667.04	ABB CONTROL	JUMPER BAR, ASSEMBLED - 10 POSITION, BJMI6-10, FOR M4/6 TERMINALS, 10 PIECES PER PACK	1114
TB1,TB2,TB3	3	0822194	PHOENIX CONTACT	TERMINAL MARKERS, SNAP IN, UC2F-TM6, 5 x 4mm, BLANK LABELS, 80 PER SHEET, 10 SHEET PER BOX, FOR ABB TERMINALS	2609
TB1,TB3	2	0118 368.16	ABB CONTROL	END SECTION - FEM6, GREY, FOR M4/6, M6/8, M10/10 TERMINALS	21
TB2	42	0115 271.22	ABB CONTROL	TERMINAL BLOCK - M 4/6.D2, GREY, DOUBLE DECK FEED THROUGH, 20AMPS, 22-12AWG	2049
TB2	2	0118 499.23	ABB CONTROL	END SECTION - FEM6D, GREY, FOR M 2,5/5.D2 AND M 4/6.D2 DOUBLE DECK TERMINALS	2049
TB2	4	0179 672.14	ABB CONTROL	JUMPER BAR, ASSEMBLED - 10 POSITION, BJMI6D-10, FOR M4/6.D2 TERMINALS, 32AMPS, IP20 PROTECTION	2049
TB3	30	0105 116.16	ABB CONTROL	TERMINAL BLOCK - M 4/6, YELLOW, FEED THROUGH, 30AMPS, 22-10AWG	21
TB4	12	0115 643.27	ABB CONTROL	TERMINAL BLOCK - D 2,5/6.DPA1, GREY, TRIPLE DECK FEED THROUGH, BOTTOM ROW GROUND FEED THROUGH, 26AMPS, 20-12AWG	1358
TB4	1	0116 771.20	ABB CONTROL	END SECTION - FED3E, GREY, FOR D 2,5/6 TRIPLE DECK TERMINALS	1358
TB4	1	0821483	PHOENIX CONTACT	TERMINAL MARKERS, SNAP IN, UC1-TMF 6, 5.45 x 5.2mm, BLANK LABELS, 80 PER SHEET, 10 SHEET PER BOX, FOR ABB 2/3 TIER TERMINALS	2867
TB5	5	1SNK 516 010 R0000	ABB CONTROL	TERMINAL BLOCK - ZS35, GREY, FEED THROUGH, 150AMPS, 14-1/0AWG	2848
TB5	1	1SNK 916 302 R0000	ABB CONTROL	JUMPER BAR, ASSEMBLED - 2 POSITION, JB16-2, FOR ZS35 TERMINALS	2848
TB6	5	1SNK 510 010 R0000	ABB CONTROL	TERMINAL BLOCK - ZS16, GREY, FEED THROUGH, 67AMPS, 14-4AWG	2852
TB6	1	1SNK 910 302 R0000	ABB CONTROL	JUMPER BAR, ASSEMBLED - 2 POSITION, JB10-2, FOR ZS16 TERMINALS	2852
TB6	1	1SNK 505 910 R0000	ABB CONTROL	END SECTION - ES4, GREY, FOR ZS4-ZS25 TERMINALS	2855
TPR505,TPR515	2	1SVR730700R0100	ABB CONTROL	THERMISTOR PROTECTION RELAY, CM-MSS-12S, 24VAC/DC COIL, POWER AND TRIP INDICATION LIGHTS, AUTO RESET, 1 C/O CONTACT	2941
VT809,VT815	2	CMSS530-100A-ER-ISO	SKF	ACCELERATION MODULE, 100mV/g INPUT, 4-20 Ma OUTPUT, 24VDC SUPPLY	2414

				THIS DRAWING CERTIFIED FOR:				ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.				SCALE: ~		DATE:		APPROVALS			TITLE: NESTLE STARTER PANEL BILL OF MATERIALS		 ALFA LAVAL 955 MEARNS ROAD WARMINSTER, PA 18974, U.S.A.						
				CUSTOMER: NESTLE PLT FREEHOLD								DRAWN: JB		10/29/15		ENG'R		MET.							Q.C.		
				ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328								CHECKED: JG		3/21 16		TR		~							-		
				PROJECT:																							
				SOLD TO: NESTLE PLT FREEHOLD				PURCHASE ORDER #:								PROJECT NAME:				NESTLE FOODDEC 300T							
A 03/01/16 TM AS BUILT				ALFA LAVAL PO #: P000432				ABB PROJECT #: E00016429				MACHINE TYPE: FOODDEC 300T								DRAWING NUMBER: SHEET 18 OF 18							
REV. DATE BY DESCRIPTION				CONSULTING ENG.:				FOLDER LOCATION:								S.O. P000432				8733641							
				CERTIFIED BY: DATE:																							

THIS PRINT REPRESENTS DESIGN AND ENGINEERING EFFORTS OF ABB INC. FOR ALFA LAVAL. IT IS LOANED IN CONFIDENCE AND MUST BE RETURNED UPON DEMAND. ANY USE DETRIMENTAL TO THE INTERESTS OF ABB IS PROHIBITED. IT MUST NOT BE LOANED, COPIED OR REPRODUCED WITHOUT PERMISSION.

WIRE NO.	LOCATION 1	COMPONENT 1	PIN 1	LOCATION 2	COMPONENT 2	PIN 2	CIRCUIT DESCRIPTION	POWER DESCRIPTION
L1	CUSTOMER		L1	STARTER PANEL	DS208	L1	INCOMING POWER FEED PHASE 1	460VAC POWER FEED
L2	CUSTOMER		L2	STARTER PANEL	DS208	L2	INCOMING POWER FEED PHASE 2	460VAC POWER FEED
L3	CUSTOMER		L3	STARTER PANEL	DS208	L3	INCOMING POWER FEED PHASE 3	460VAC POWER FEED
GND	CUSTOMER		GND	STARTER PANEL	GND207	GND	INCOMING GROUND WIRE	MAIN INCOMING GROUND
1T1	STARTER PANEL	TB5	1T1	CENTRIFUGE	M331	T1 & T6	MAIN DRIVE MOTOR PHASE 1	460VAC MOTOR FEED
1T2	STARTER PANEL	TB5	1T2	CENTRIFUGE	M331	T2 & T4	MAIN DRIVE MOTOR PHASE 2	460VAC MOTOR FEED
1T3	STARTER PANEL	TB5	1T3	CENTRIFUGE	M331	T3 & T5	MAIN DRIVE MOTOR PHASE 3	460VAC MOTOR FEED
1TG	STARTER PANEL	TB5	1TG	CENTRIFUGE	M331	G	MAIN DRIVE MOTOR GROUND	MOTOR GROUND
2T1	STARTER PANEL	TB6	2T1	CENTRIFUGE	M430	T1	BACK DRIVE MOTOR PHASE 1	460VAC MOTOR FEED
2T2	STARTER PANEL	TB6	2T2	CENTRIFUGE	M430	T2	BACK DRIVE MOTOR PHASE 2	460VAC MOTOR FEED
2T3	STARTER PANEL	TB6	2T3	CENTRIFUGE	M430	T3	BACK DRIVE MOTOR PHASE 3	460VAC MOTOR FEED
2TG	STARTER PANEL	TB6	2TG	CENTRIFUGE	M430	G	BACK DRIVE MOTOR GROUND	MOTOR GROUND
19	STARTER PANEL	TB2	19	CENTRIFUGE	M330	P1	MAIN DRIVE MOTOR THERMISTOR	THERMISTOR WIRING
20	STARTER PANEL	TB2	20	CENTRIFUGE	M330	P2		THERMISTOR WIRING
25	STARTER PANEL	TB2	25	CENTRIFUGE	M430	P1	BACK DRIVE MOTOR THERMISTOR	THERMISTOR WIRING
26	STARTER PANEL	TB2	26	CENTRIFUGE	M430	P2		THERMISTOR WIRING
1	STARTER PANEL	TB2	1	CENTRIFUGE JB	X100	17	DECANTER COVER SWITCH	24VDC POWER FEED
7	STARTER PANEL	TB2	7	CENTRIFUGE JB	X100	18		24VDC POWER FEED
301	STARTER PANEL	TB3	301	CUSTOMER	TB	301	COMMON ALARM	DRY CONTACT
302	STARTER PANEL	TB3	302	CUSTOMER	TB	302		DRY CONTACT
303	STARTER PANEL	TB3	303	CUSTOMER	TB	303	COMMON ALERT	DRY CONTACT
304	STARTER PANEL	TB3	304	CUSTOMER	TB	304		DRY CONTACT
305	STARTER PANEL	TB3	305	CUSTOMER	TB	305	CENTRIFUGE RUNNING	DRY CONTACT
306	STARTER PANEL	TB3	306	CUSTOMER	TB	306		DRY CONTACT
307	STARTER PANEL	TB3	307	CUSTOMER	TB	307	FLUSH WATER VALVE COMMON	DRY CONTACT
308	STARTER PANEL	TB3	308	CUSTOMER	TB	308	FLUSH WATER VALVE OPEN	DRY CONTACT
309	STARTER PANEL	TB3	309	CUSTOMER	TB	309	FLUSH WATER VALVE CLOSE	DRY CONTACT
310	STARTER PANEL	TB3	310	CUSTOMER	TB	310	CIP FLUSH WATER VALVE COMMON	DRY CONTACT
311	STARTER PANEL	TB3	311	CUSTOMER	TB	311	CIP FLUSH WATER VALVE OPEN	DRY CONTACT
312	STARTER PANEL	TB3	312	CUSTOMER	TB	312	CIP FLUSH WATER VALVE CLOSE	DRY CONTACT
313	STARTER PANEL	TB3	313	CUSTOMER	TB	313	FEED PERMISSIVE	DRY CONTACT
314	STARTER PANEL	TB3	314	CUSTOMER	TB	314	FEED PERMISSIVE	DRY CONTACT
401	STARTER PANEL	TB4	401	CENTRIFUGE JB	X100	1	BOWL SPEED PICK-UP	ANALOG 4-20MA
402	STARTER PANEL	TB4	402	CENTRIFUGE JB	X100	2		ANALOG 4-20MA
SH	STARTER PANEL	TB4	403	CENTRIFUGE JB				SHIELD
404	STARTER PANEL	TB4	404	CENTRIFUGE JB	X100	3	PINION SPEED PICK-UP	ANALOG 4-20MA
405	STARTER PANEL	TB4	405	CENTRIFUGE JB	X100	4		ANALOG 4-20MA
SH	STARTER PANEL	TB4	406	CENTRIFUGE JB				SHIELD
407	STARTER PANEL	TB4	407	CENTRIFUGE JB	X100	5	GEARBOX END BEARING TEMPERATURE SENSOR RTD	ANALOG 4-20MA
408	STARTER PANEL	TB4	408	CENTRIFUGE JB	X100	6		ANALOG 4-20MA
SH	STARTER PANEL	TB4	409	CENTRIFUGE JB				SHIELD
410	STARTER PANEL	TB4	410	CENTRIFUGE JB	X100	7	MAIN DRIVE END BEARING TEMPERATURE SENSOR RTD	ANALOG 4-20MA
411	STARTER PANEL	TB4	411	CENTRIFUGE JB	X100	8		ANALOG 4-20MA
SH	STARTER PANEL	TB4	412	CENTRIFUGE JB				SHIELD
413	STARTER PANEL	TB4	413	CENTRIFUGE JB	X100	9	GEARBOX END BEARING VIBRATION SENSOR	0-100MV
414	STARTER PANEL	TB4	414	CENTRIFUGE JB	X100	10		0-100MV
SH	STARTER PANEL	TB4	415	CENTRIFUGE JB				SHIELD
416	STARTER PANEL	TB4	416	CENTRIFUGE JB	X100	11	MAIN DRIVE END BEARING VIBRATION SENSOR	0-100MV
417	STARTER PANEL	TB4	417	CENTRIFUGE JB	X100	12		0-100MV
SH	STARTER PANEL	TB4	418	CENTRIFUGE JB				SHIELD
	STARTER PANEL	ENBT603B	RJ-45	CUSTOMER	ETH	PORT	ETHERNET CABLE TO FAS INFRASTRUCTURE	CAT5 ETHERNET CABLE

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NOTE: ALL FIELD TERMINATIONS SHOWN IN THE ABOVE CHART ARE FOR REFERENCE ONLY AND MAY VARY TO THE ACTUAL DEVICE. VERIFY ALL FIELD CONNECTIONS/TERMINATIONS AND VOLTAGES BEFORE POWERING UP THE SYSTEM. IMPROPER WIRING COULD RESULT IN COMPONENT FAILURE.

				THIS DRAWING CERTIFIED FOR:		ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.		SCALE: ~ DATE: 10/29/15		APPROVALS			TITLE: NESTLE INTERCONNECT DIAGRAM		 ALFA LAVAL 955 MEARNS ROAD WARMINSTER, PA 18974, U.S.A.		
				CUSTOMER: NESTLE PLT FREEHOLD ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328				DRAWN: JB		ENG'R MET. Q.C.							
				PROJECT: NESTLE PLT FREEHOLD				CHECKED: JG		TR ~ ~							
A 03/01/16 TM AS BUILT				PURCHASE ORDER #: P000432		FILE: NESTLE.ZIP		ABB PROJECT #: E00016429		MACHINE TYPE: FOODEC 300T			PROJECT NAME: NESTLE FOODEC 300T		DRAWING NUMBER: SHEET 1 OF 2		
REV. DATE BY DESCRIPTION				CONSULTING ENG.:		FOLDER LOCATION:								S.O. P000432		8733643	
				CERTIFIED BY: DATE:													

THIS PRINT REPRESENTS DESIGN AND ENGINEERING EFFORTS OF ABB INC. FOR ALFA LAVAL. IT IS LOANED IN CONFIDENCE AND MUST BE RETURNED UPON DEMAND. ANY USE DETRIMENTAL TO THE INTERESTS OF ABB IS PROHIBITED. IT MUST NOT BE LOANED, COPIED OR REPRODUCED WITHOUT PERMISSION.

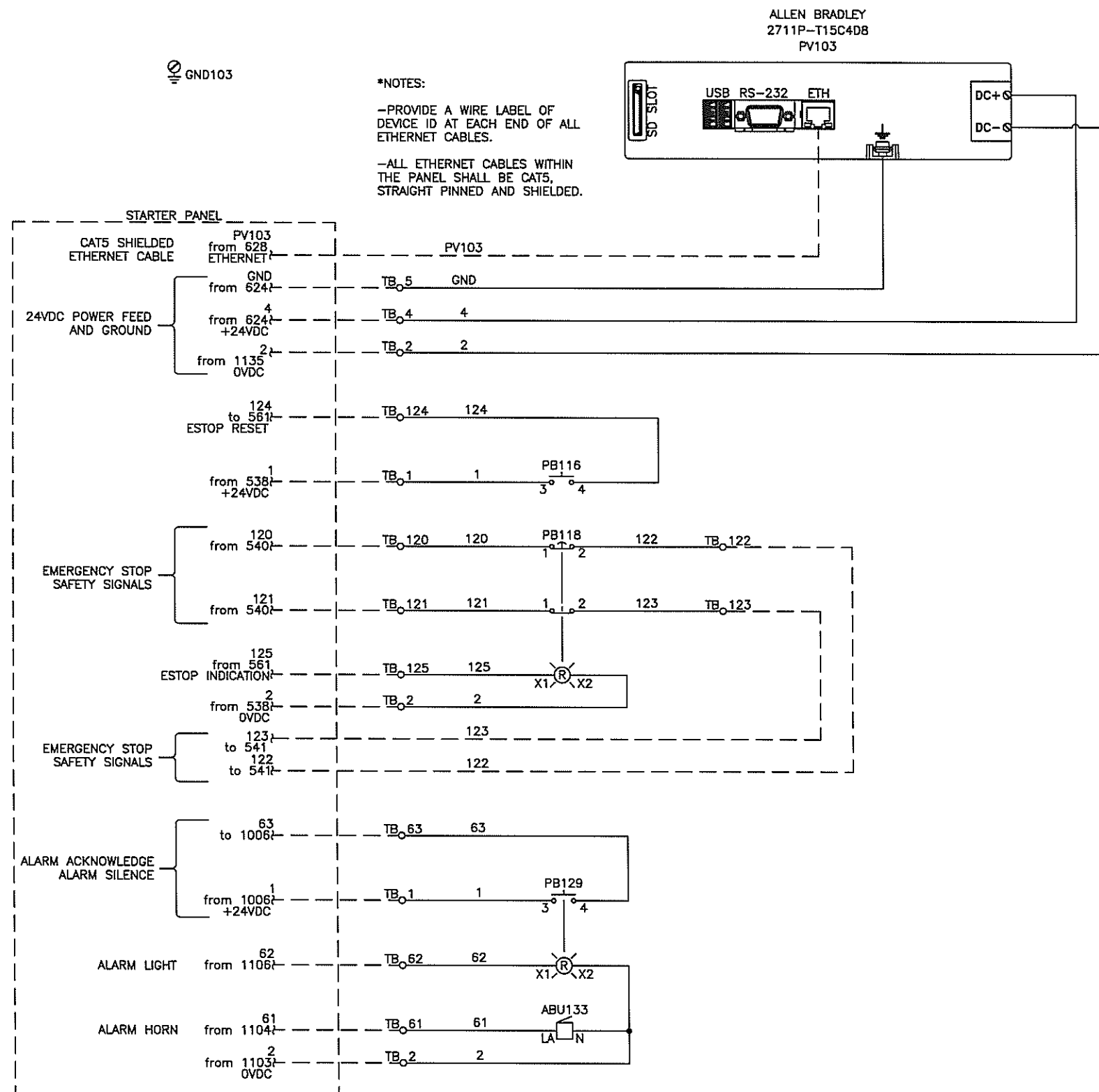
WIRE NO.	LOCATION 1	COMPONENT 1	PIN 1	LOCATION 2	COMPONENT 2	PIN 2	CIRCUIT DESCRIPTION	POWER DESCRIPTION
PV103	STARTER PANEL	ES628	7	OPERATOR PANEL	PV103	RJ45	ETHERNET TO PANELVIEW	CAT5 ETHERNET CABLE
1	STARTER PANEL	TB2	1	OPERATOR PANEL	TB	1	24VDC POWER TO PUSH BUTTONS	24VDC POWER FEED
2	STARTER PANEL	TB2	2	OPERATOR PANEL	TB	2	0VDC TO HMI, LIGHT, AND HORN	0VDC COMMON
4	STARTER PANEL	TB2	4	OPERATOR PANEL	TB	4	24VDC POWER TO HMI	24VDC POWER FEED
GND	STARTER PANEL	TB2	GND207	OPERATOR PANEL	TB	5	GROUND	24VDC POWER FEED
61	STARTER PANEL	TB2	61	OPERATOR PANEL	TB	61	ALARM HORN	24VDC POWER FEED
62	STARTER PANEL	TB2	62	OPERATOR PANEL	TB	62	ALARM LIGHT	24VDC POWER FEED
63	STARTER PANEL	TB2	63	OPERATOR PANEL	TB	63	ALARM ACKNOWLEDGE, ALARM SILENCE	24VDC POWER FEED
120	STARTER PANEL	TB2	120	OPERATOR PANEL	TB	120	EMERGENCY STOP SAFETY SIGNALS	24VDC POWER FEED
121	STARTER PANEL	TB2	121	OPERATOR PANEL	TB	121		24VDC POWER FEED
122	STARTER PANEL	TB2	122	OPERATOR PANEL	TB	122		24VDC POWER FEED
123	STARTER PANEL	TB2	123	OPERATOR PANEL	TB	123		24VDC POWER FEED
124	STARTER PANEL	TB2	124	OPERATOR PANEL	TB	124	EMERGENCY STOP RESET	24VDC POWER FEED
125	STARTER PANEL	TB2	125	OPERATOR PANEL	TB	125	EMERGENCY STOP INDICATION	24VDC POWER FEED
122	STARTER PANEL	TB2	122	CUSTOMER	PB546	1	REMOTE ESTOP CONTACT BLOCK 1	24VDC POWER FEED
126	STARTER PANEL	TB2	126	CUSTOMER	PB546	2		24VDC POWER FEED
123	STARTER PANEL	TB2	123	CUSTOMER	PB546	1	REMOTE ESTOP CONTACT BLOCK 2	24VDC POWER FEED
127	STARTER PANEL	TB2	127	CUSTOMER	PB546	2		24VDC POWER FEED

NOTE: ALL FIELD TERMINATIONS SHOWN IN THE ABOVE CHART ARE FOR REFERENCE ONLY AND MAY VARY TO THE ACTUAL DEVICE. VERIFY ALL FIELD CONNECTIONS/TERMINATIONS AND VOLTAGES BEFORE POWERING UP THE SYSTEM. IMPROPER WIRING COULD RESULT IN COMPONENT FAILURE.

				THIS DRAWING CERTIFIED FOR:		ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.		SCALE: ~	DATE:	APPROVALS			TITLE: NESTLE INTERCONNECT DIAGRAM	 ALFA LAVAL 955 MEARNS ROAD WARMINSTER, PA 18974, U.S.A.	
				CUSTOMER: NESTLE PLT FREEHOLD				DRAWN: JB	10/29/15	ENG'R	MET.	Q.C.			
				ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328				CHECKED: JG	3/21/16	TR	~	-			
				PROJECT: NESTLE PLT FREEHOLD				ABB PROJECT #: E00016429		MACHINE TYPE: FOODDEC 300T		PROJECT NAME: NESTLE FOODDEC 300T			
A	03/01/16	TM		AS BUILT	PURCHASE ORDER #:	FILE: NESTLE.ZIP		FOLDER LOCATION:			S.O. P000432		DRAWING NUMBER: 8733643	SHEET 2 OF 2	
REV.	DATE	BY		DESCRIPTION	ALFA LAVAL PO #: P000432										
					CONSULTING ENG.:										
					CERTIFIED BY:	DATE:									

THIS PRINT REPRESENTS DESIGN AND ENGINEERING EFFORTS OF ABB INC. FOR ALFA LAVAL. IT IS LOANED IN CONFIDENCE AND MUST BE RETURNED UPON DEMAND. ANY USE DETRIMENTAL TO THE INTERESTS OF ABB IS PROHIBITED. IT MUST NOT BE LOANED, COPIED OR REPRODUCED WITHOUT PERMISSION.

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WIRE COLOR CODE	
BLACK	PRIMARY OR SUPPLY VOLTAGE
RED	AC CONTROL
WHITE	AC NEUTRAL
GREEN	GROUND
BLUE	24VDC
BLUE/WHITE	0VDC
YELLOW	POWER BY EXTERNAL SOURCE
WHITE	4-20mA SIGNAL (+)
BLACK	4-20mA SIGNAL (-)

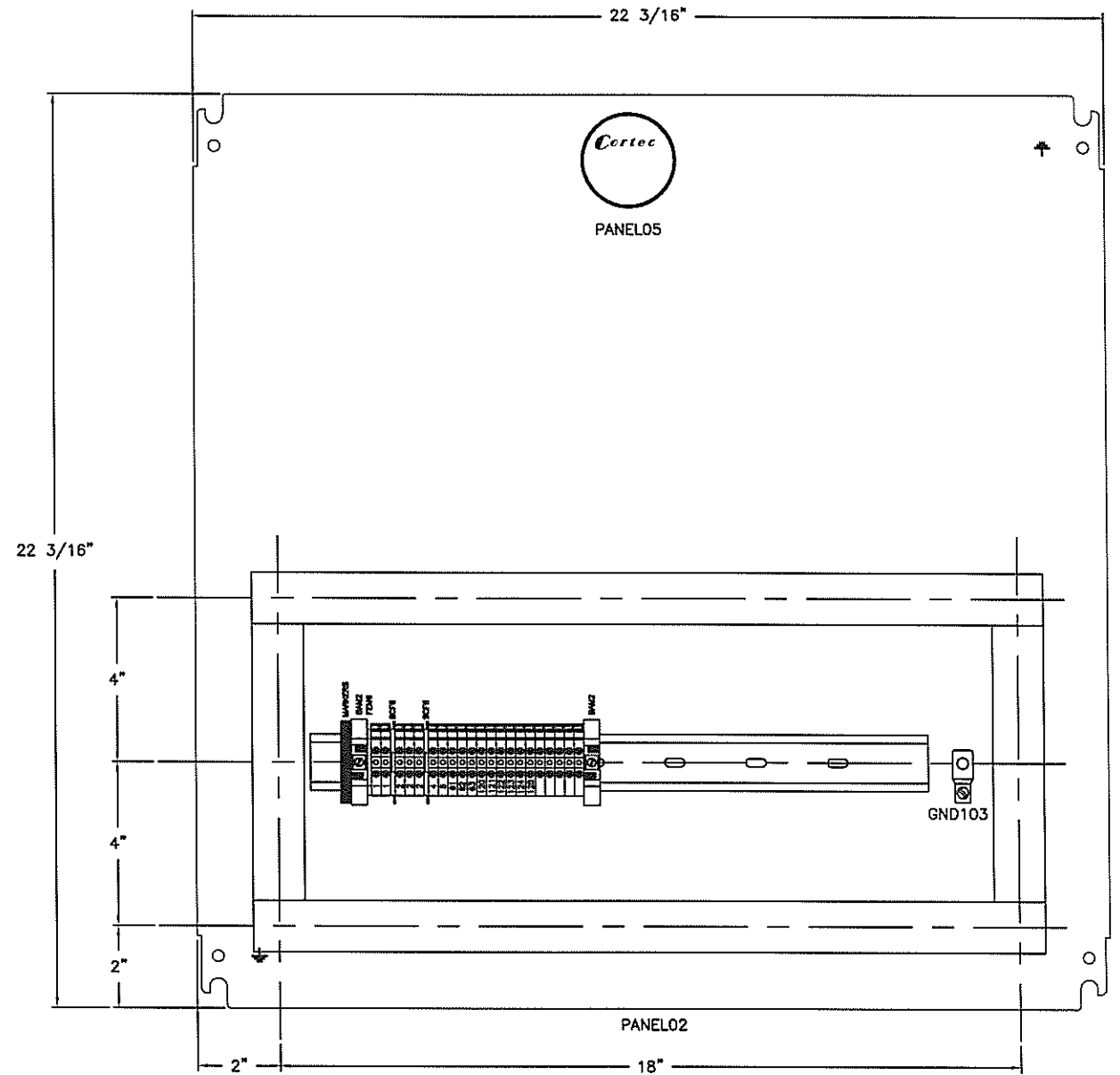
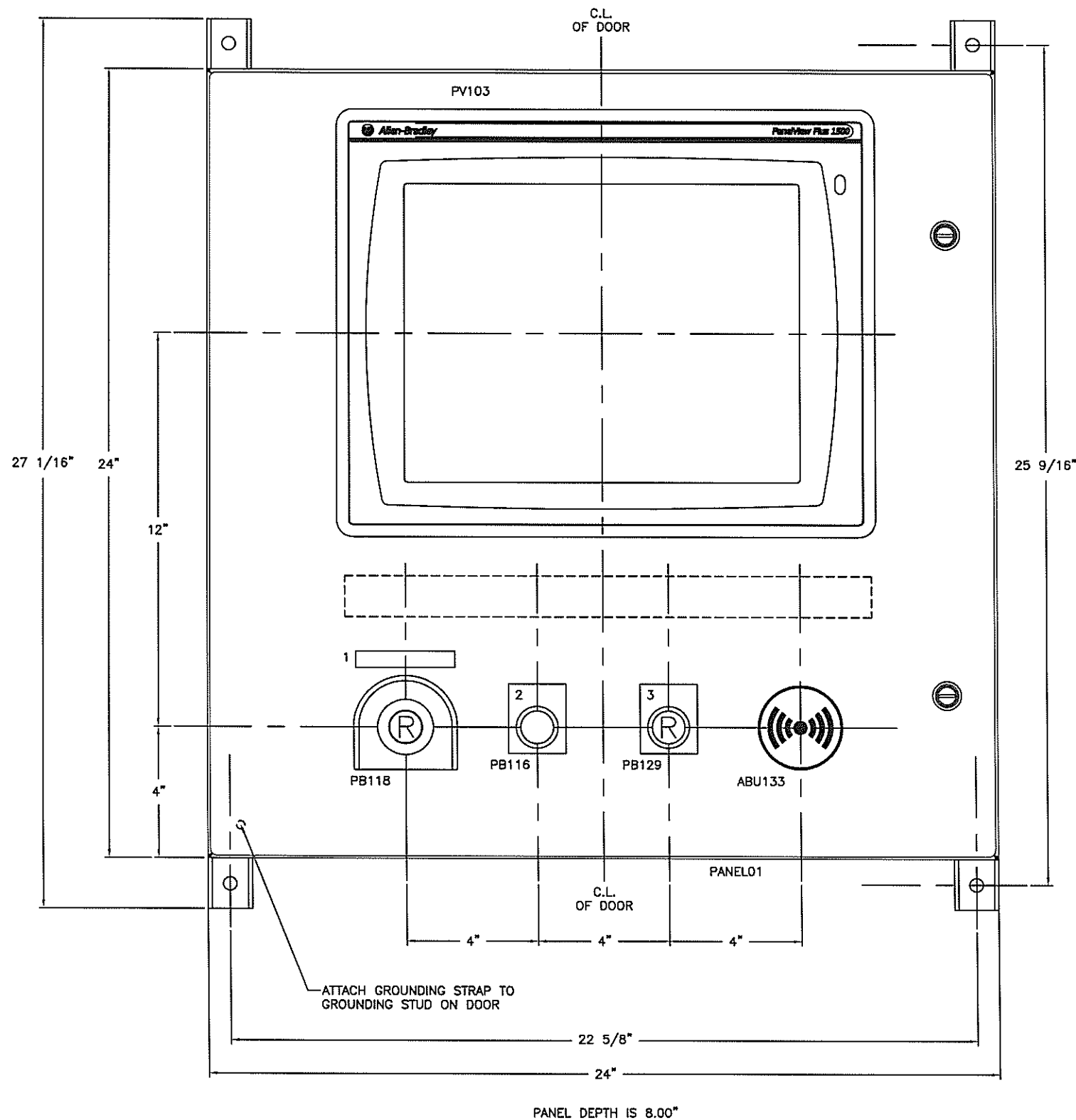
THIS DRAWING CERTIFIED FOR:			
CUSTOMER: NESTLE PLT FREEHOLD			
ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328			
PROJECT:			
SOLD TO: NESTLE PLT FREEHOLD			
PURCHASE ORDER #:			
ALFA LAVAL PO #: P000432			
CONSULTING ENG.:			
CERTIFIED BY: DATE:			
A	03/01/16	TM	AS BUILT
REV.	DATE	BY	DESCRIPTION

ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.		SCALE: ~	DATE: 10/29/15	APPROVALS		
FILE: NESTLE.ZIP		DRAWN: JB	CHECKED: JG	ENG'R	MET.	Q.C.
FOLDER LOCATION:		ABB PROJECT #: E00016429	MACHINE TYPE: FOODDEC 300T			

TITLE: NESTLE OPERATOR PANEL WIRING DIAGRAM	
PROJECT NAME: NESTLE FOODDEC 300T	
S.O. P000432	

DRAWING NUMBER: 8733642	
SHEET 1 OF 3	

THIS PRINT REPRESENTS DESIGN AND ENGINEERING EFFORTS OF ABB INC. FOR ALFA LAVAL. IT IS LOANED IN CONFIDENCE AND MUST BE RETURNED UPON DEMAND. ANY USE DETRIMENTAL TO THE INTERESTS OF ABB IS PROHIBITED. IT MUST NOT BE LOANED, COPIED OR REPRODUCED WITHOUT PERMISSION.



NOTES:
- ALL DEVICES INSIDE AND OUT SHALL BE LABELED WITH LAMICOID. LAMICOID SHALL BE WHITE BACKGROUND WITH BLACK LETTERING.

LABELS:
1 - EMERGENCY STOP
2 - EMERGENCY STOP RESET
3 - ALARM ACKNOWLEDGE
ALARM SILENCE

Number	Marker	Jumper
1	EMERGENCY STOP	
2	EMERGENCY STOP RESET	
3	ALARM ACKNOWLEDGE	
4	ALARM SILENCE	
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UL LABEL REQUIRED

REV.	DATE	BY	DESCRIPTION
A	03/01/16	TM	AS BUILT
THIS DRAWING CERTIFIED FOR:			
CUSTOMER: NESTLE PLT FREEHOLD			
ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328			
PROJECT: NESTLE PLT FREEHOLD			
SOLD TO: NESTLE PLT FREEHOLD			
PURCHASE ORDER #: P000432			
ALFA LAVAL PO #: P000432			
CONSULTING ENG.: DATE:			
CERTIFIED BY: DATE:			

ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.

FILE: NESTLE.ZIP
FOLDER LOCATION:

SCALE:	DATE:	APPROVALS		
~	10/29/15	ENG'R	MET.	Q.C.
DRAWN: JB				
CHECKED: JG	3/2/16	TR	~	
ABB PROJECT #: E00016429		MACHINE TYPE: FODDEC 300T		

TITLE:	PROJECT NAME:	S.O.
NESTLE OPERATOR PANEL PANEL LAYOUT	NESTLE FODDEC 300T	P000432



DRAWING NUMBER: 8733642
SHEET 2 OF 3

THIS PRINT REPRESENTS DESIGN AND ENGINEERING EFFORTS OF ABB INC. FOR ALFA LAVAL. IT IS LOANED IN CONFIDENCE AND MUST BE RETURNED UPON DEMAND. ANY USE DETRIMENTAL TO THE INTERESTS OF ABB IS PROHIBITED. IT MUST NOT BE LOANED, COPIED OR REPRODUCED WITHOUT PERMISSION.

DEVICE ID	QTY	CATALOG	MFG	DESCRIPTION	CATCUT
ABU133	1	855P-B30LE22	ALLEN BRADLEY	PANEL MOUNT SIGNALING DEVICE, 80-105dB, 855P SERIES, 12-24VAC/DC, BLACK, SIZE: 65mm, MOUNTING HOLE: 22.5mm	1773
GND103	1	KPA4CUP	BURNDY	COPPER ALLOY SCREW LUG, 14 SOL TO #4 STR	68
PANEL01	1	CSD24248SS	HOFFMAN	CONCEPT WALL-MOUNT ENCLOSURE, NEMA 4X, 304 STAINLESS STEEL, 24.00" x 24.00" x 8.00", QUARTER TURN LATCHES	2066
PANEL01	1	C-MFKSS	HOFFMAN	MOUNTING FOOT KIT FOR CONCEPT WALL MOUNT ENCLOSURES, STAINLESS STEEL, 4 PIECES	264
PANEL01	1	UL LABEL	CUSTOM	UL LABEL REQUIRED FOR PANEL	--
PANEL02	1	CP2424	HOFFMAN	SUBPANEL, PAINTED WHITE, 22.2" x 22.2", FOR 24.00" x 24.00" CSD TYPE ENCLOSURES	2067
PANEL03	1	F1X2LG6	PANDUIT	WIRING DUCT, NARROW SLOTTED, LIGHT GRAY, 1.00" WIDE x 2.00" HIGH, 6 FOOT PER PIECE	2882
PANEL03	1	C1LG6-F	PANDUIT	COVER FOR WIRING DUCT, 1.00" WIDE, LIGHT GRAY, WITH PROTECTIVE FILM COVER, 6 FOOT PER PIECE	2883
PANEL04	1	010159826	ABB CONTROL	ZINC/STEEL DIN RAIL EN 50022 (35mm x 15mm x 2m)	2732
PANEL05	1	VPCI-111	CORTEC CORP	CORROSION INHIBITOR	1487
PB116	1	MP3-10B	ABB CONTROL	NON-ILLUMINATED PUSH BUTTON, BLACK, MODULAR RANGE, EXTENDED BUTTON, MOMENTARY, BLACK PLASTIC BEZEL, 22mm CUTOUT	1629
PB116	1	MCBH-10	ABB CONTROL	1 N.O. CONTACT BLOCK WITH MCBH HOLDER	1630
PB118	1	MPMP3-11R	ABB CONTROL	ILLUMINATED EMERGENCY STOP PUSH BUTTON, PULL RELEASE, PLASTIC, 40mm PUSH BUTTON, 22mm CUTOUT	1667
PB118	1	MCBH-021	ABB CONTROL	(2) N.C. CONTACT BLOCKS, 1 LAMP BLOCK, AND MCBH HOLDER	1630
PB118	1	CBK-XMG	ABB CONTROL	PUSHBUTTON GUARD FOR MUSHROOM HEAD E-STOP BUTTONS, 22mm CUTOUT	1167
PB118,PB129	2	KA2-2021	ABB CONTROL	RED LED BULB, 24VAC/DC, 15mA, FOR MLB LAMP BLOCKS	1632
PB129	1	MP3-11R	ABB CONTROL	ILLUMINATED PUSH BUTTON, RED LENS, 22mm EXTENDED BUTTON, MOMENTARY, BLACK PLASTIC BEZEL	1629
PB129	1	MCBH-101	ABB CONTROL	1 N.O. CONTACT BLOCK, 1 LAMP BLOCK, WITH MCBH HOLDER	1630
PV103	1	2711P-T15C4D8	ALLEN BRADLEY	PANELVIEW PLUS 6, TOUCHSCREEN, 15" COLOR DISPLAY, 18-32VDC POWER, 2.9A INPUT, ETHERNET/RS232/(2)USB PORTS, 512MB MEM.	2729
PV103	1	CAT5-CUSTOM	CUSTOM	CAT5 CABLE - RJ45, SHIELDED, STRAIGHT PINNED, LENGTH AS REQUIRED	--
TB	21	0115 116.07	ABB CONTROL	TERMINAL BLOCK - M 4/6, GREY, FEED THROUGH, 30AMPS, 22-10AWG	21
TB	1	0118 368.16	ABB CONTROL	END SECTION - FEM6, GREY, FOR M4/6, M6/8, M10/10 TERMINALS	21
TB	2	0118 707.03	ABB CONTROL	SEPARATOR END SECTION - SCF6, GREY, FOR M4/6, M6/8, M10/10 TERMINALS	1700
TB	1	0176 667.04	ABB CONTROL	JUMPER BAR, ASSEMBLED - 10 POSITION, BJMI6-10, FOR M4/6 TERMINALS, 10 PIECES PER PACK	1114
TB	2	0206 351.16	ABB CONTROL	END STOP - BAM2, SCREW CLAMP FOR RAIL CONATCT	19
TB	1	0822194	PHOENIX CONTACT	TERMINAL MARKERS, SNAP IN, UC2F-TM6, 5 x 4mm, BLANK LABELS, 80 PER SHEET, 10 SHEET PER BOX, FOR ABB TERMINALS	2609

				THIS DRAWING CERTIFIED FOR:		ALL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE & LOCAL CODES.		SCALE: ~		DATE: 10/29/15		APPROVALS			TITLE: NESTLE OPERATOR PANEL BILL OF MATERIALS		 ALFA LAVAL 955 WEARNS ROAD WARMINSTER, PA 18974, U.S.A.				
				CUSTOMER: NESTLE PLT FREEHOLD				DRAWN: JB		ENG'R		MET.		Q.C.							
				ADDRESS: 61 JERSEYVILLE, FREEHOLD, NJ 07728-2328				CHECKED: JG		3/21		TR		~					-		
				PROJECT: NESTLE PLT FREEHOLD																	
A 03/01/16 TM AS BUILT				PURCHASE ORDER #: P000432		FILE: NESTLE.ZIP		ABB PROJECT #: E00016429		MACHINE TYPE: FOODEC 300T		PROJECT NAME: NESTLE FOODEC 300T			DRAWING NUMBER: 8733642		SHEET 3 OF 3				
REV. DATE BY DESCRIPTION				ALFA LAVAL PO #: P000432		FOLDER LOCATION:						S.O. P000432									
				CONSULTING ENG.:																	
				CERTIFIED BY: DATE:																	