MARK	DESIGNATION	MODIF.A	MODIF.B	MODIF.C
45	FREE			
46	FREE			
47	8 PLC AO R0/S5 CH0-CH3	8/13/1991	6/24/2003	
48	8 PLC AO R0/S5 CH4-CH7			
49	8 PLC AO R0/S6 CH0-CH3			
50	8 PLC AO R0/S6 CH4-CH7			
51	RACK TSX_RCE_860			
52	8 PLC AO R0/S7 CH0-CH3	8/13/1991		
53	8 PLC AO R0/S7 CH4-CH7	8/13/1991		
54	8 PLC AO R0/S8 CH0-CH3	8/13/1991		
55	8 PLC AO R0/S8 CH4-CH7	8/13/1991		
56	8 PLC AO R0/S9 CH0-CH3	8/13/1991		
57	8 PLC AO R0/S9 CH4-CH7			
58	8 PLC AO R0/S10 CH0-CH3			
59	FREE			
60	FREE			
61	FREE			
62	FREE			
63	RACK TSX_RCE_860			
64	32 PLC DI R0/S11 CH0-CH7			
65	32 PLC DI R0/S11 CH8-CH15			
66	32 PLC DI R0/S11 CH16-CH23			
67	32 PLC DI R0/S11 CH24-CH31			
68	32 PLC DI R0/S12 CH0-CH7			
69	32 PLC DI R0/S12 CH8-CH15			
70	32 PLC DI R0/S12 CH16-CH23			
71	32 PLC DI R0/S12 CH24-CH31			
72	32 PLC DI R1/S0 CH0-CH7			
73	32 PLC DI R1/S0 CH8-CH15			
74	32 PLC DI R1/S0 CH16-CH23			
75	32 PLC DI R1/S0 CH24-CH31			
76	32 PLC DI R1/S1 CH0-CH7			
77	32 PLC DI R1/S1 CH8-CH15			
78	32 PLC DI R1/S1 CH16-CH23		6/24/1993	
79	32 PLC DI R1/S1 CH24-CH31			
80	32 PLC DI R1/S2 CH0-CH7		6/24/1993	
81	32 PLC DI R1/S2 CH8-CH15		6/24/1993	
82	32 PLC DI R1/S2 CH16-CH23		6/24/1993	
83	32 PLC DI R1/S2 CH24-CH31		6/24/1993	
84	32 PLC DI R1/S3 CH0-CH7			
85	32 PLC DI R1/S3 CH8-CH15		6/24/1993	
86	32 PLC DI R1/S3 CH16-CH23		6/24/1993	
87	32 PLC DI R1/S3 CH24-CH31		6/24/1993	
88	32 PLC DI R1/S4 CH0-CH7	8/13/1991		
89	32 PLC DI R1/S4 CH8-CH15			
90	32 PLC DI R1/S4 CH16-CH23			

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Line1 F13 Reterory

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DRAWING NO.
DRAWN DATE: 01-22-2025

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91	32 PLC DI R1/S4 CH24-CH31			
92	32 PLC DI R1/S5 CH0-CH7			
93	32 PLC DI R1/S5 CH8-CH15			
94	32 PLC DI R1/S5 CH16-CH23			
95	32 PLC DI R1/S5 CH24-CH31			
96	RACK TSX_RCE_860			
97	32 PLC DI R1/S6 CH0-CH7			
98	32 PLC DI R1/S6 CH8-CH15	8/13/1991		
99	32 PLC DI R1/S6 CH16-CH23			
100	32 PLC DI R1/S6 CH24-CH31			
101	32 PLC DI R1/S7 CH0-CH7			
102	32 PLC DI R1/S7 CH8-CH15			
103	32 PLC DI R1/S7 CH16-CH23			
104	32 PLC DI R1/S7 CH24-CH31	8/13/1991		
105	32 PLC DI R1/S8 CH0-CH7			
106	32 PLC DI R1/S8 CH8-CH15			
107	32 PLC DI R1/S8 CH16-CH23		6/24/1993	
108	32 PLC DI R1/S8 CH24-CH31		6/24/1993	
109	32 PLC DI R1/S9 CH0-CH7	8/13/1991		
110	32 PLC DI R1/S9 CH8-CH15	8/13/1991		
111	32 PLC DI R1/S9 CH16-CH23	8/13/1991		
112	32 PLC DI R1/S9 CH24-CH31	8/13/1991		
113	32 PLC DI R1/S10 CH0-CH7	8/13/1991		
114	32 PLC DI R1/S10 CH8-CH15		6/24/1993	
115	32 PLC DI R1/S10 CH16-CH23			
116	32 PLC DI R1/S10 CH24-CH31		6/24/1993	
117	32 PLC DI R1/S11 CH0-CH7			
118	32 PLC DI R1/S11 CH8-CH15			
119	32 PLC DI R1/S11 CH16-CH23		6/24/1993	
120	32 PLC DI R1/S11 CH24-CH31		6/24/1993	
121	FREE			
122	FREE			
123	FREE			
124	FREE			
125	32 PLC DI R2/S0 CH0-CH7			
126	32 PLC DI R2/S0 CH8-CH15		6/24/1993	
127	32 PLC DI R2/S0 CH16-CH23	8/13/1991	6/24/1993	
128	32 PLC DI R2/S0 CH24-CH31	8/13/1991		
129	RACK TSX_RCE_860			
130	FREE			
131	FREE			
132	FREE			
133	FREE			
134	FREE			
135	FREE			
136	FREE			

Line1 F13 Reterory

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137	FREE			
138	FREE			
139	FREE			
140	FREE			
141	FREE			
142	FREE			
143	FREE			
144	FREE			
145	FREE			
146	32 PLC DI R2/S1 CH0-CH7	8/13/1991		
147	32 PLC DI R2/S1 CH8-CH15	8/13/1991		
148	32 PLC DI R2/S1 CH16-CH23			
149	32 PLC DI R2/S1 CH24-CH31	8/13/1991		
150	32 PLC DI R2/S2 CH0-CH7			
151	32 PLC DI R2/S2 CH8-CH15			
152	32 PLC DI R2/S2 CH16-CH23			
153	32 PLC DI R2/S2 CH24-CH31			
154	32 PLC DI R2/S3 CH0-CH7			
155	32 PLC DI R2/S3 CH8-CH15			
156	32 PLC DI R2/S3 CH16-CH23			
157	32 PLC DI R2/S3 CH24-CH31			
158	32 PLC DI R2/S4 CH0-CH7			
159	32 PLC DI R2/S4 CH8-CH15			
160	32 PLC DI R2/S4 CH16-CH23		6/24/1993	
161	32 PLC DI R2/S4 CH24-CH31			
162	RACK TSX_RCE_860	8/13/1991		
163	32 PLC DI R2/S5 CH0-CH7		6/24/1993	
164	32 PLC DI R2/S5 CH8-CH15		6/24/1993	
165	32 PLC DI R2/S5 CH16-CH23	8/13/1991	6/24/1993	
166	32 PLC DI R2/S5 CH24-CH31			
167	32 PLC DI R2/S6 CH0-CH7	8/13/1991	6/24/1993	
168	32 PLC DI R2/S6 CH8-CH15			
169	32 PLC DI R2/S6 CH16-CH23			
170	32 PLC DI R2/S6 CH24-CH31			
171	32 PLC DI R2/S7 CH0-CH7			
172	32 PLC DI R2/S7 CH8-CH15			
173	32 PLC DI R2/S7 CH16-CH23		6/24/1993	
174	32 PLC DI R2/S7 CH24-CH31			
175	32 PLC DI R2/S8 CH0-CH7		6/24/1993	
176	32 PLC DI R2/S8 CH8-CH15			
177	32 PLC DI R2/S8 CH16-CH23	8/13/1991	6/24/1993	
178	32 PLC DI R2/S8 CH24-CH31	8/13/1991		
179	32 PLC DI R2/S9 CH0-CH7	8/13/1991		
180	32 PLC DI R2/S9 CH8-CH15	8/13/1991		
181	32 PLC DI R2/S9 CH16-CH23	8/13/1991		
182	32 PLC DI R2/S9 CH24-CH31	8/13/1991		

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183	32 PLC DI R2/S10 CH0-CH7	8/13/1991		
184	32 PLC DI R2/S10 CH8-CH15			
185	32 PLC DI R2/S10 CH16-CH23		6/24/1993	
186	32 PLC DI R2/S10 CH24-CH31			
187	32 PLC DI R2/S11 CH0-CH7			
188	32 PLC DI R2/S11 CH8-CH15		6/24/1993	
189	32 PLC DI R2/S11 CH16-CH23	8/13/1991	6/24/1993	
190	32 PLC DI R2/S11 CH24-CH31	8/13/1991	10/29/1991	6/24/1993
191	FREE			
192	FREE			
193	FREE			
194	FREE			
200	WATER BATH LEVEL L5L 1050-03			
210	TERMINAL BOLCKS X13 1 - 32			
211	TERMINAL BOLCKS X13 33 - 64			
212	TERMINAL BOLCKS X13 65 - 96			
213	TERMINAL BOLCKS X13 97 - 128			
214	TERMINAL BOLCKS X13 129 - 160			
215	TERMINAL BOLCKS X13 161 - 192		6/24/1993	
216	TERMINAL BOLCKS X13 193 - 224		6/24/1993	
217	TERMINAL BOLCKS X13 225 - 256			
218	TERMINAL BOLCKS X13 257 - 288		6/24/1993	
219	TERMINAL BOLCKS X13 289 - 320			
220	TERMINAL BOLCKS X13 321 - 352			
221	TERMINAL BOLCKS X13 353 - 384			
222	TERMINAL BOLCKS X13 385 - 416		6/24/1993	
223	TERMINAL BOLCKS X13 417 - 448			
224	TERMINAL BOLCKS X13 449 - 480			
225	TERMINAL BOLCKS X13 481 - 512	8/13/1991	6/24/1993	
226	TERMINAL BOLCKS X13 513 - 544		6/24/1993	
227	TERMINAL BOLCKS X13 545 - 576			
228	TERMINAL BOLCKS X13 577 - 608			
229	TERMINAL BOLCKS X13 609 - 640			
230	TERMINAL BOLCKS X13 641 - 672			
231	TERMINAL BOLCKS X13 673- 704			
232	TERMINAL BOLCKS X13 705 - 736		6/24/1993	
233	TERMINAL BOLCKS X13 737 - 768			
234	TERMINAL BOLCKS X13 769 - 800			
235	TERMINAL BOLCKS X13 801 - 832		6/24/1993	
236	TERMINAL BOLCKS X13 833 - 864		6/24/1993	
237	TERMINAL BOLCKS X13 865 - 896			
238	TERMINAL BOLCKS X13 897 - 928		6/24/1993	
239	TERMINAL BOLCKS X13 929 - 960		6/24/1993	
240	TERMINAL BOLCKS X13 961 - 992		6/24/1993	
241	TERMINAL BOLCKS X13 993 - 1024		6/24/1993	
242	TERMINAL BOLCKS X13 1025 - 1056		6/24/1993	

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243	TERMINAL BOLCKS X13 1057 - 1088			
244	TERMINAL BOLCKS X13 1089 - 1120			
245	TERMINAL BOLCKS X13 1121 - 1152		6/24/1993	
246	TERMINAL BOLCKS X13 1153 - 1184			
247	TERMINAL BOLCKS X13 1185 - 1216			
248	FREE			
249	TERMINALS BOLCKS RELAYS			
250	TERMINALS BOLCKS RELAYS			
251	TERMINALS BOLCKS RELAYS			
252	TERMINALS BOLCKS RELAYS			
253	TERMINALS BOLCKS RELAYS			
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270	TERMINALS BOLCKS RELAYS			
271	TERMINALS BOLCKS RELAYS			
272	TERMINALS BOLCKS RELAYS			
273	TERMINALS BOLCKS RELAYS		6/24/1993	
274	TERMINALS BOLCKS RELAYS		6/24/1993	
275	TERMINALS BOLCKS RELAYS			
276	TERMINALS BOLCKS RELAYS			
277	TERMINALS BOLCKS RELAYS		6/24/1993	
278	TERMINALS BOLCKS RELAYS		6/24/1993	
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301	LIST OF EQUIPMENT			
302	LIST OF EQUIPMENT			
303	LIST OF EQUIPMENT			
304	LIST OF EQUIPMENT			

Line1 F13 Repertory

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AMTOPP DIVI. M/E DEPT.

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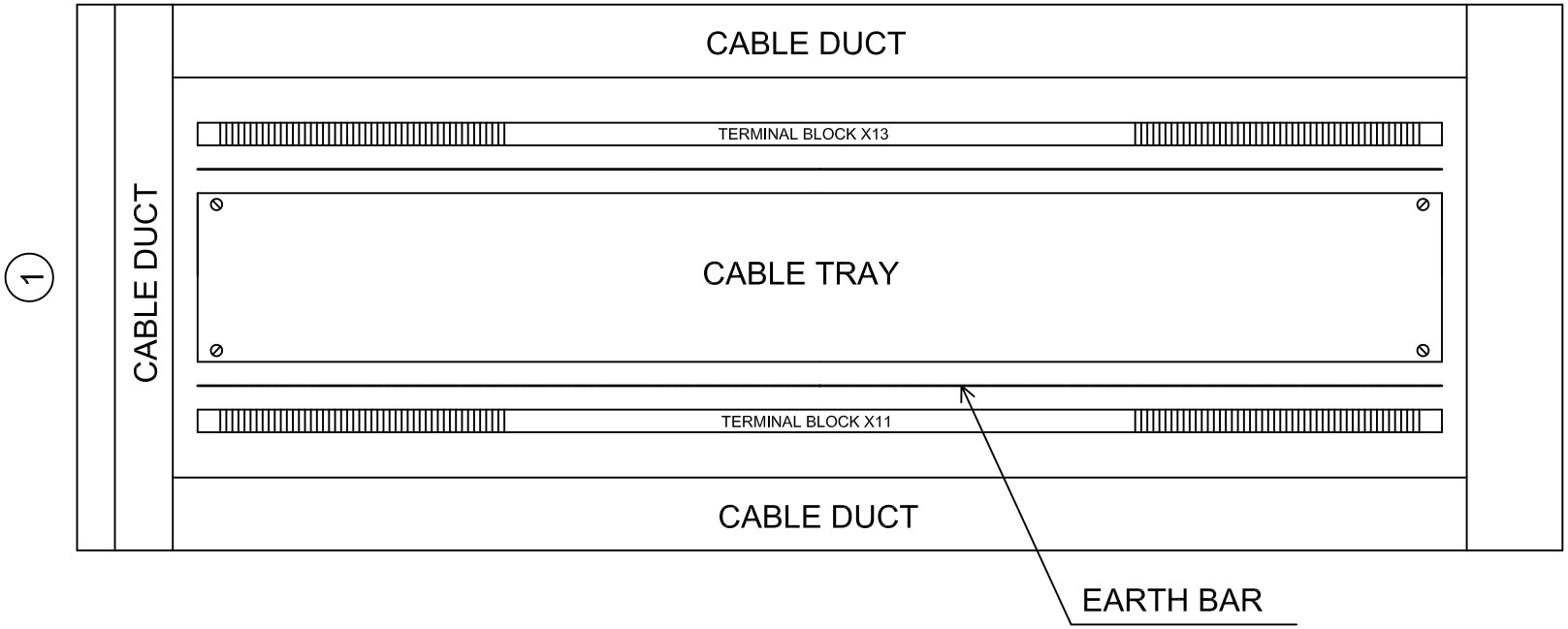

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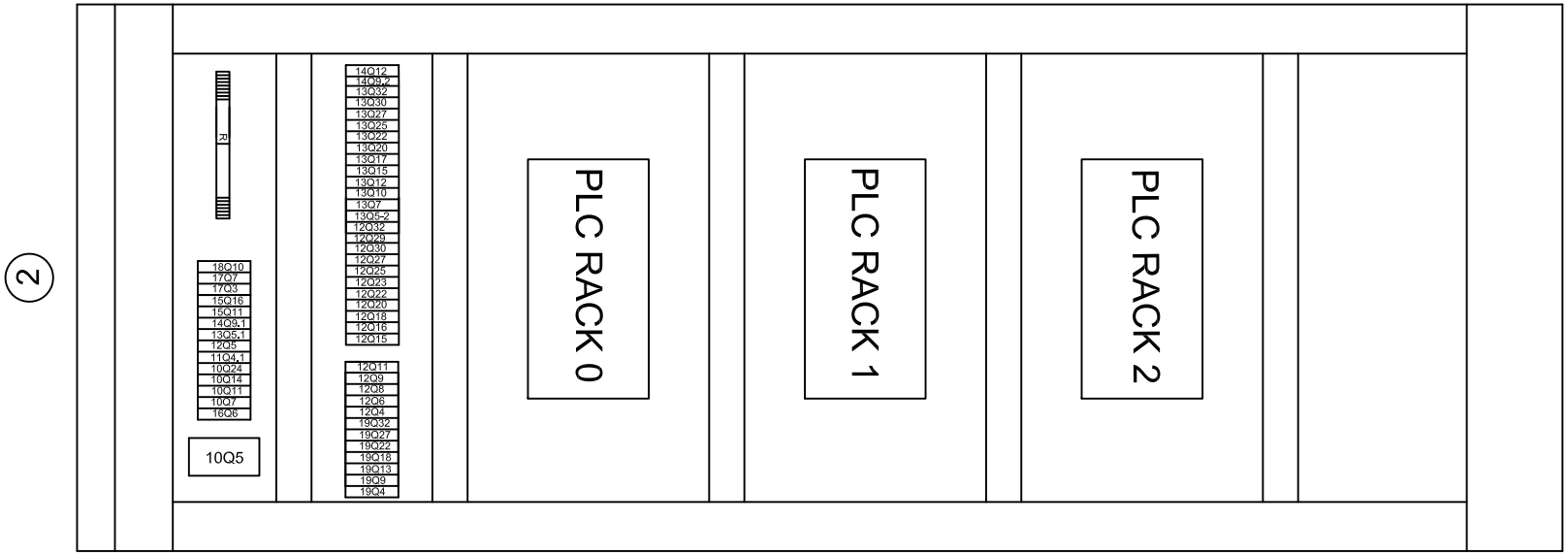

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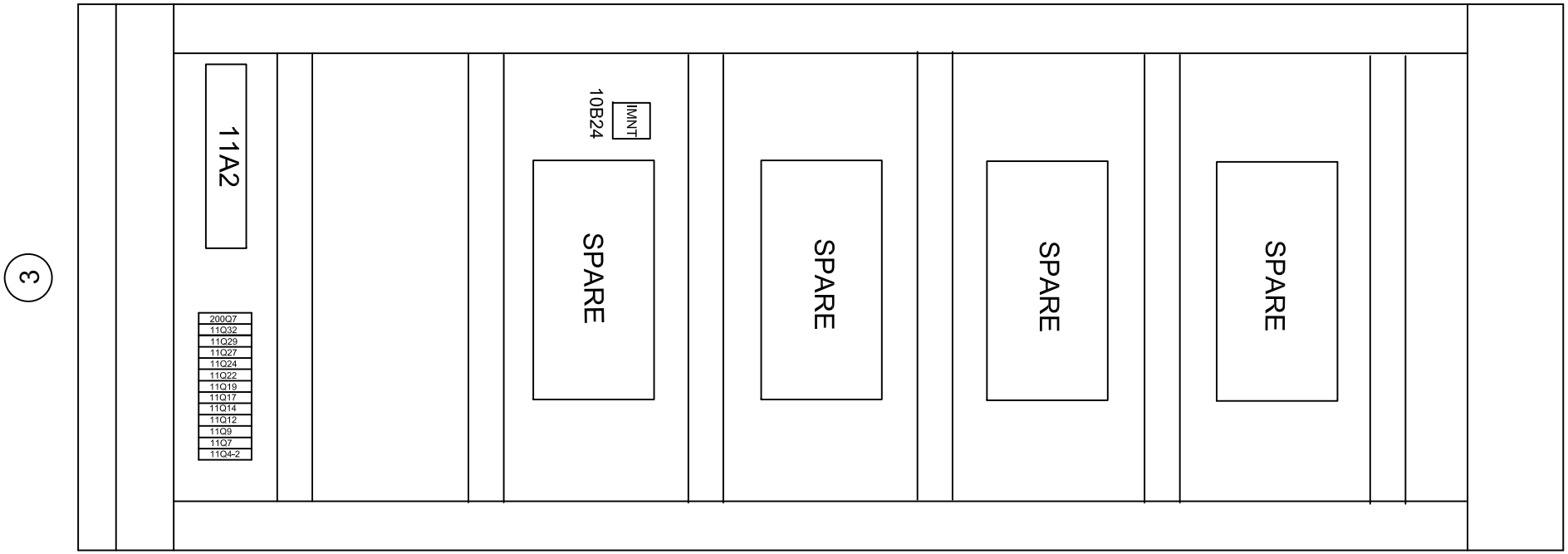

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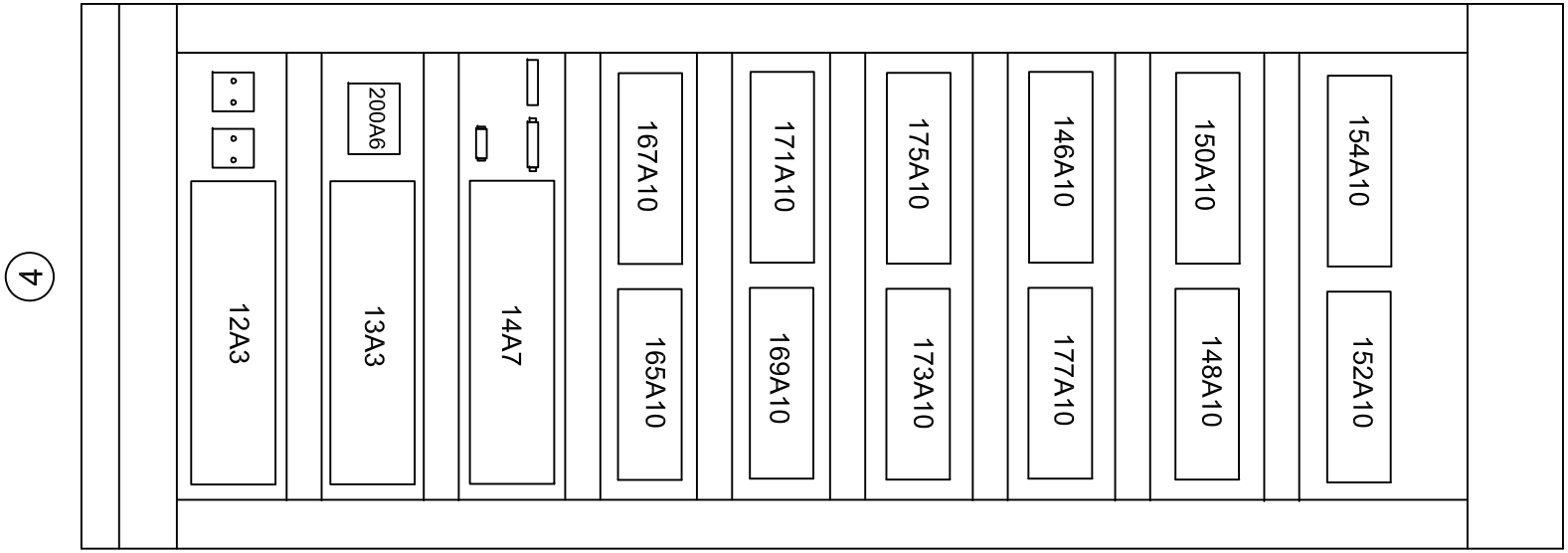

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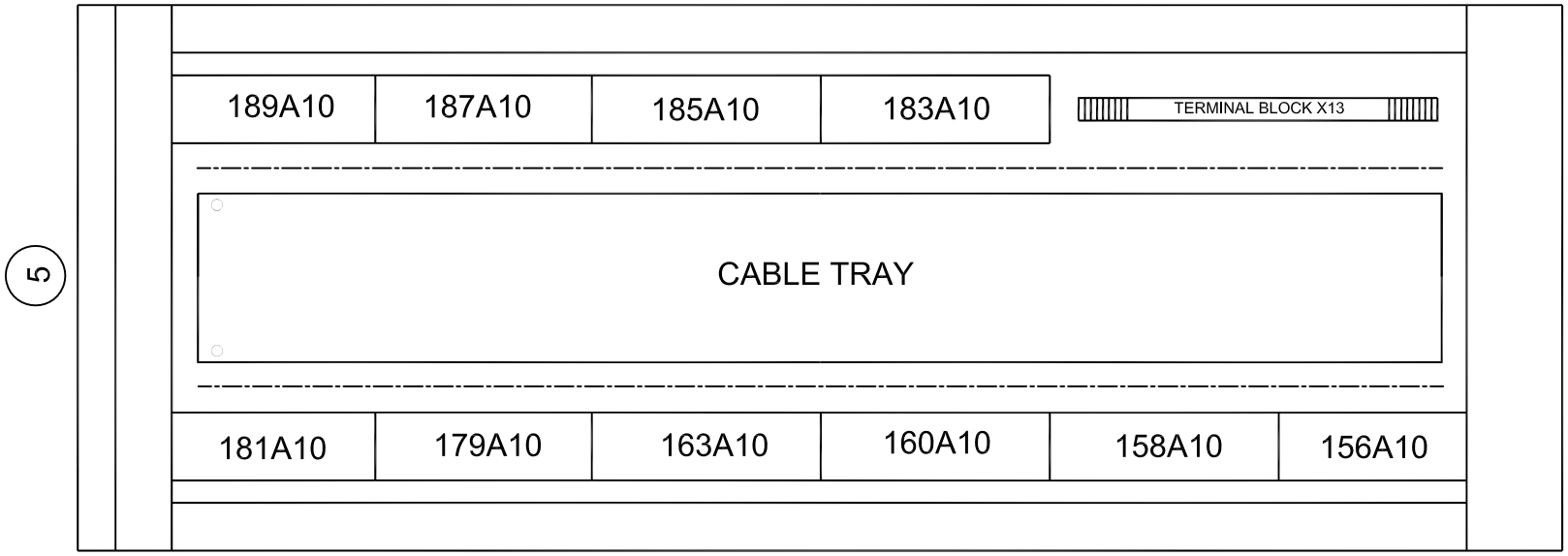

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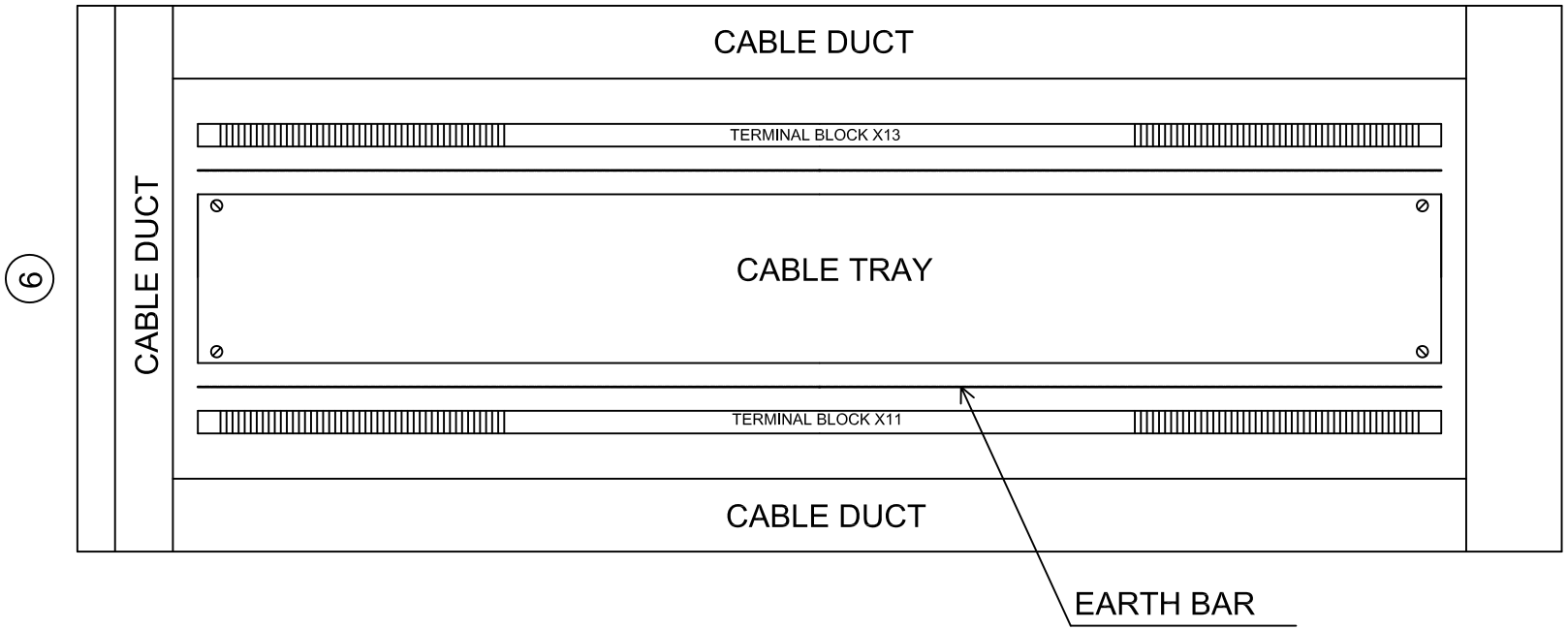

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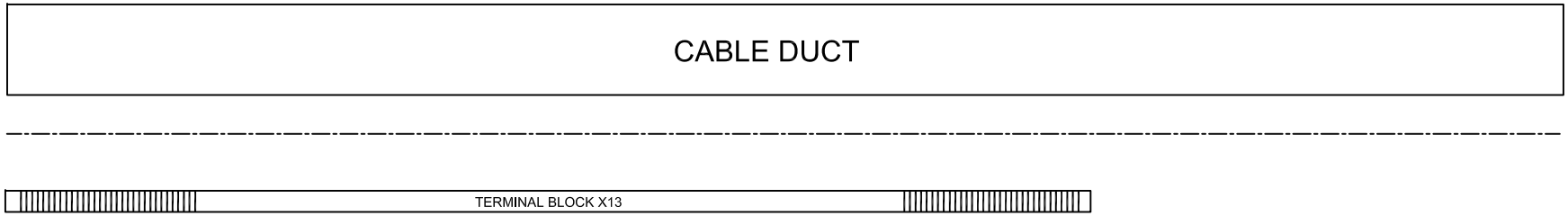

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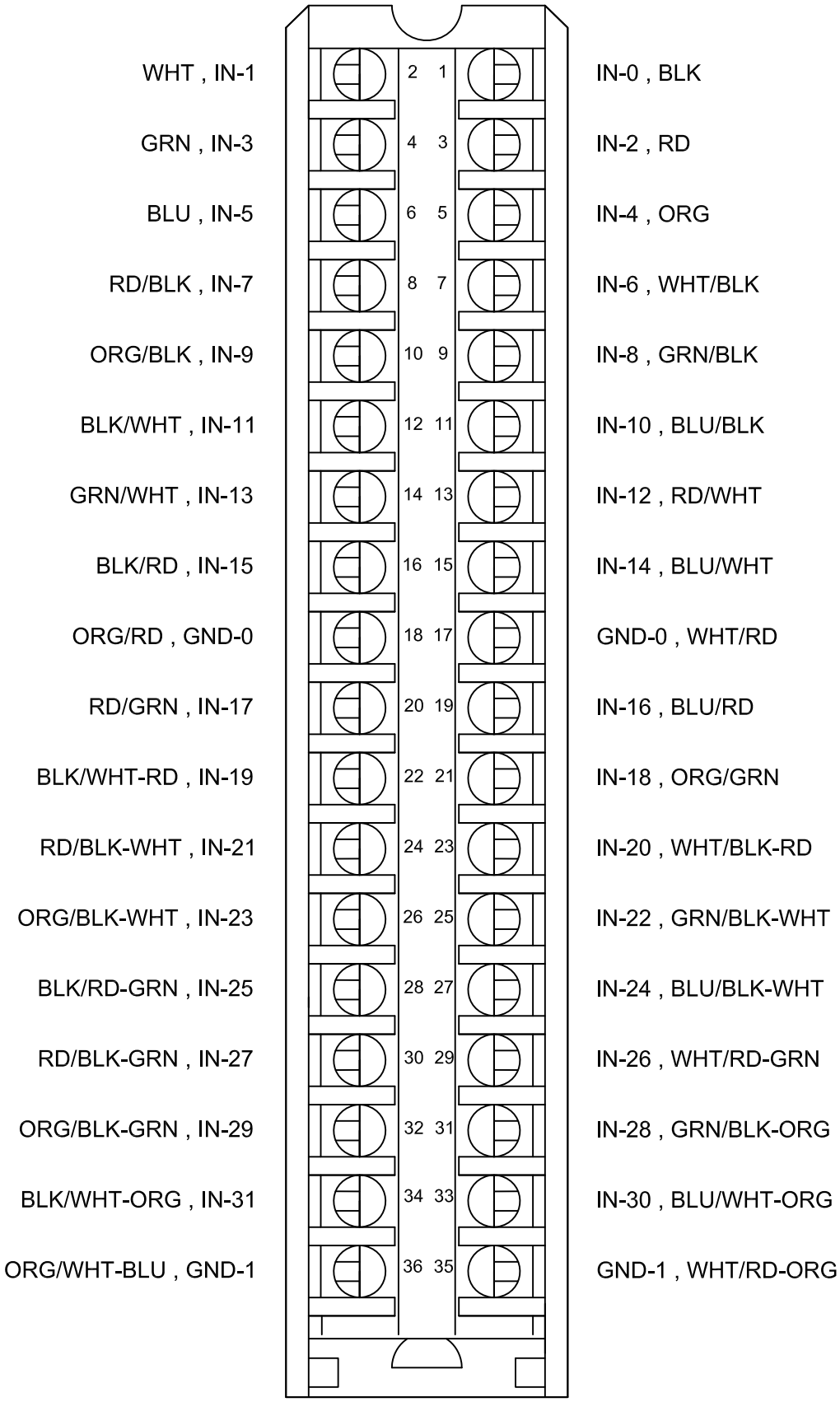

1756-IB32 DC INPUT MODULE

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

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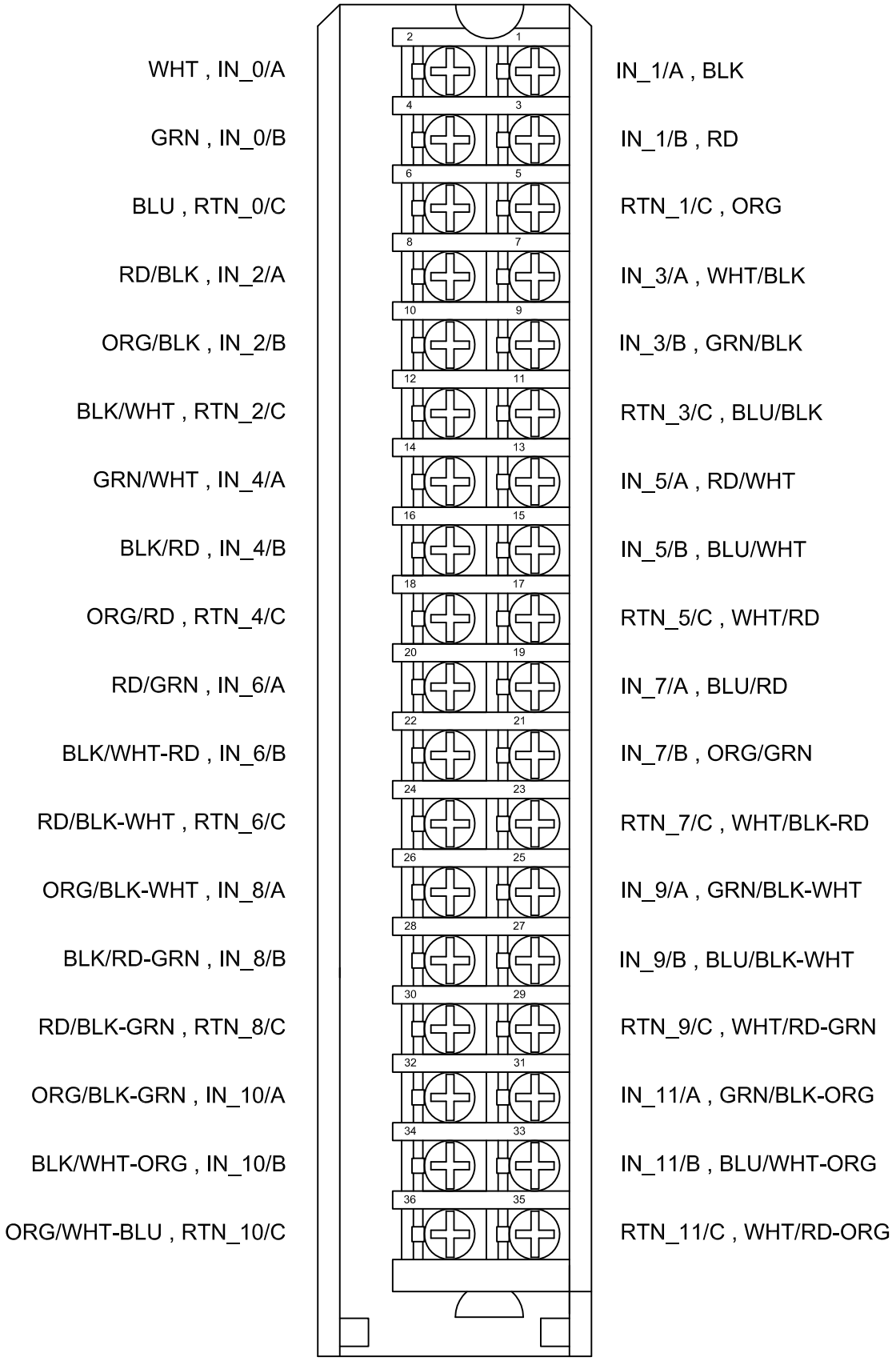

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CH5: 13, 15, 17
CH6: 20, 22, 24
CH7: 19, 21, 23

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CH9: 25, 27, 29
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1756-IR12 RTD MODULE

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INTEPLAST GROUP, Ltd.
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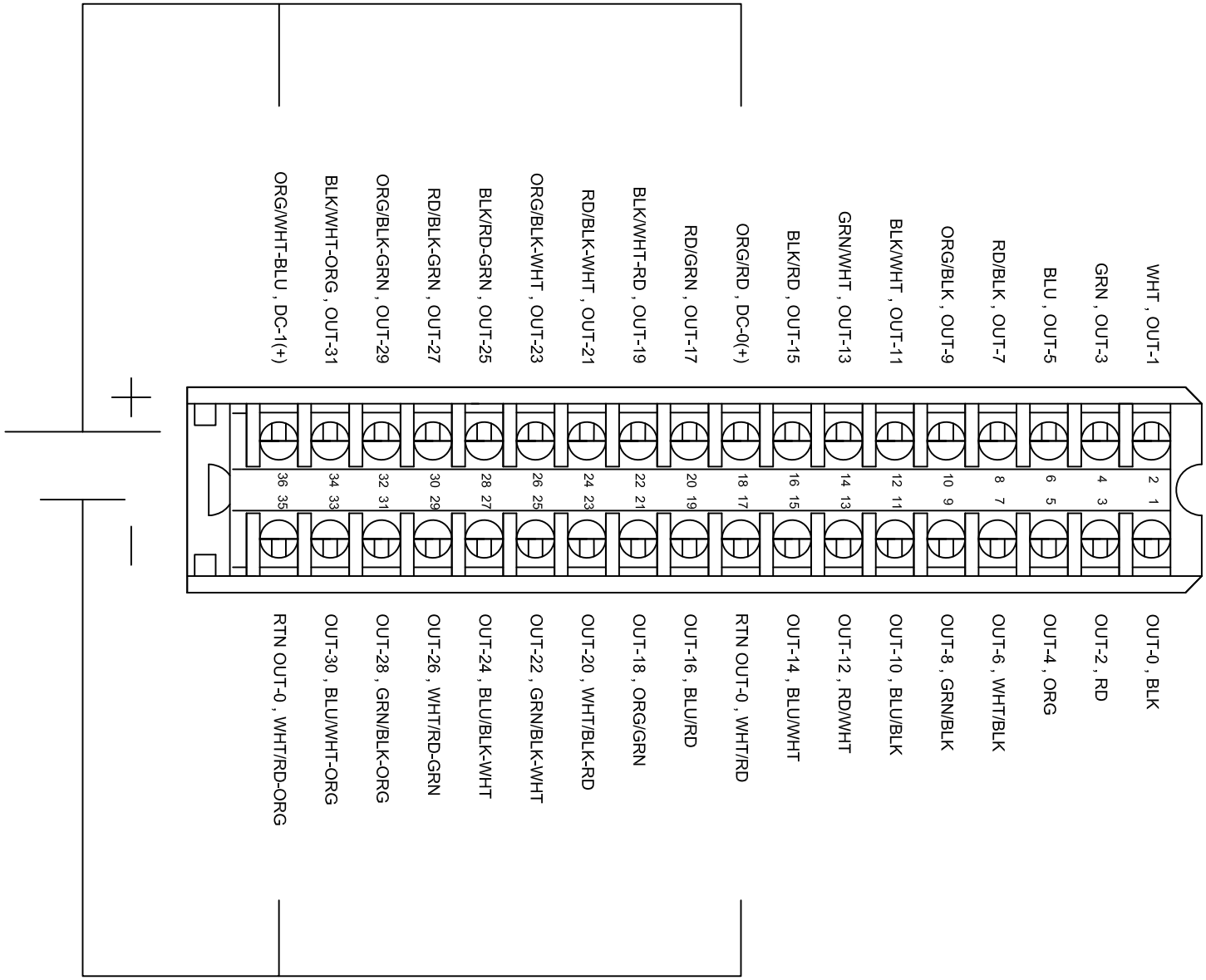
CHECKED BY: Jerry Wu



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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

1756-OB32 DC OUTPUT MODULE

DRAWN BY	Bryan Hong					DRAWING DESCRIPTION	KF F13	Page #	8B		
CHECKED BY	Jerry Wu							Total			
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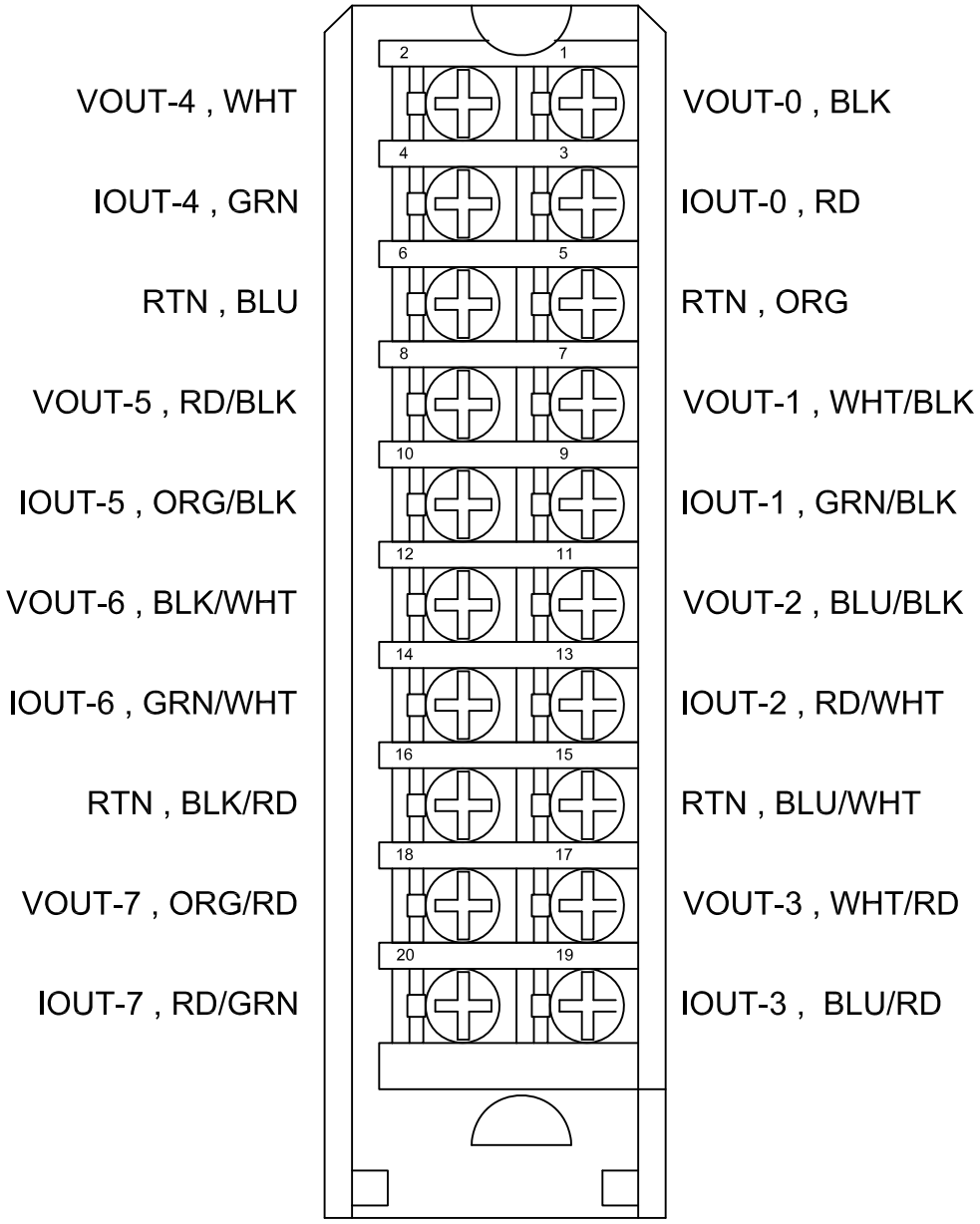


1756-OF8 ANALOG OUTPUT MODULE

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION: KF F13

DRAWING NO.

DRAWN DATE: 11-13-2023

Page # 8C

Total

MATERIAL

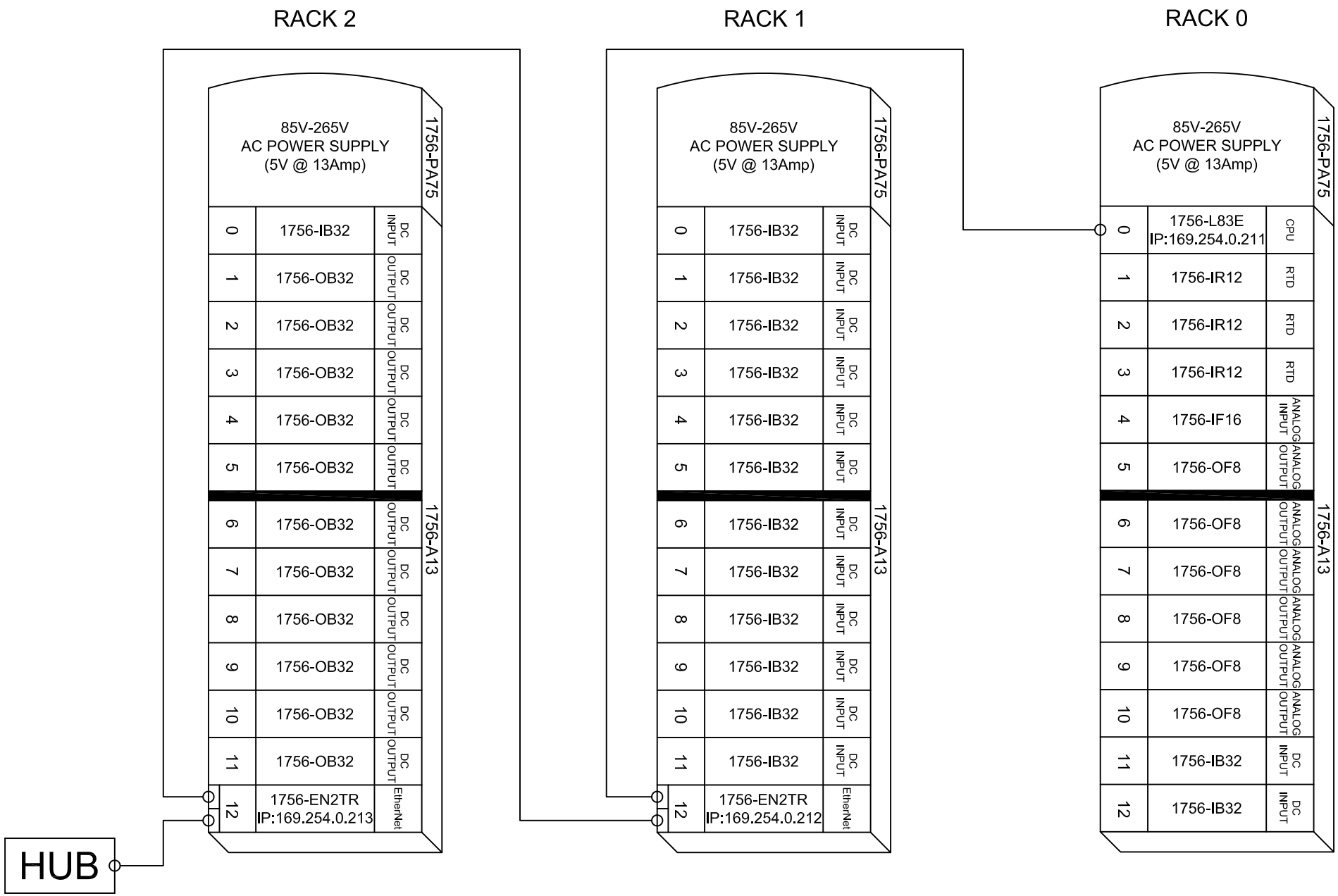
SCALE NONE

UNIT MM

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY Bryan Hong

CHECKED BY Jerry Wu



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	Line1_F13 Allen Bradley PLC MODULE LINK					DRAWING DESCRIPTION	KF F13	Page #	9				
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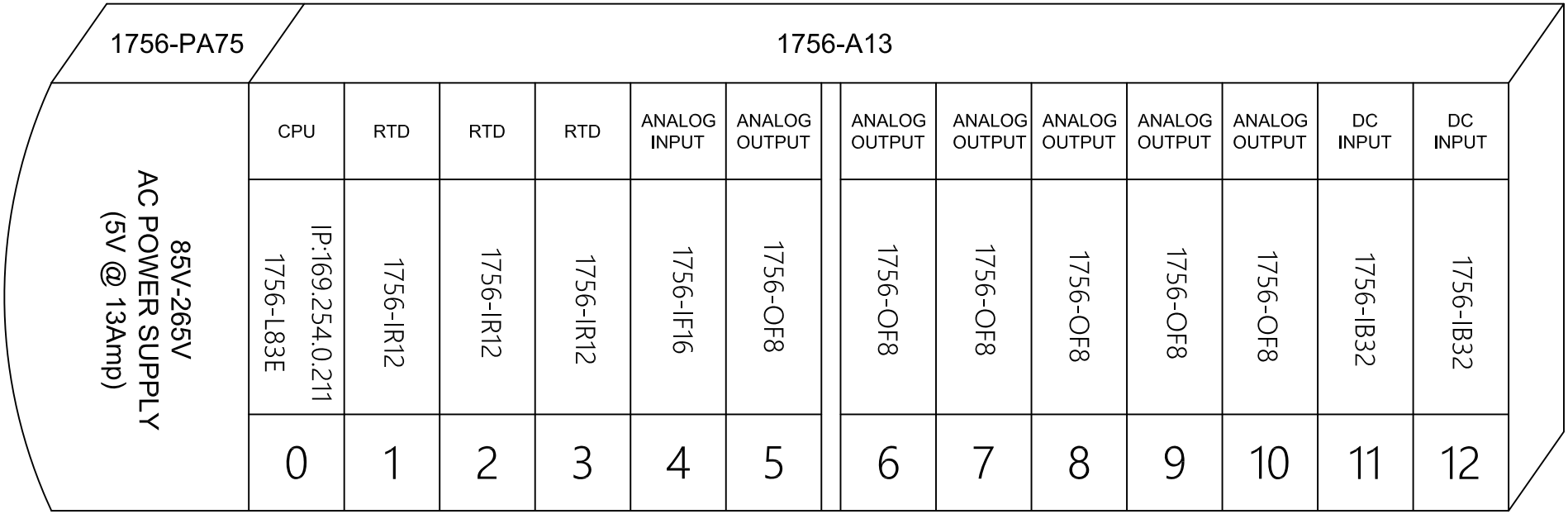
CHECKED BY	Jerry Wu	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	10-30-2023	SCALE	NONE	UNIT	MM		



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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY: Leo Lin
CHECKED BY: Jerry Wu

Line1_F13
Allen Bradley PLC RACK 0

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

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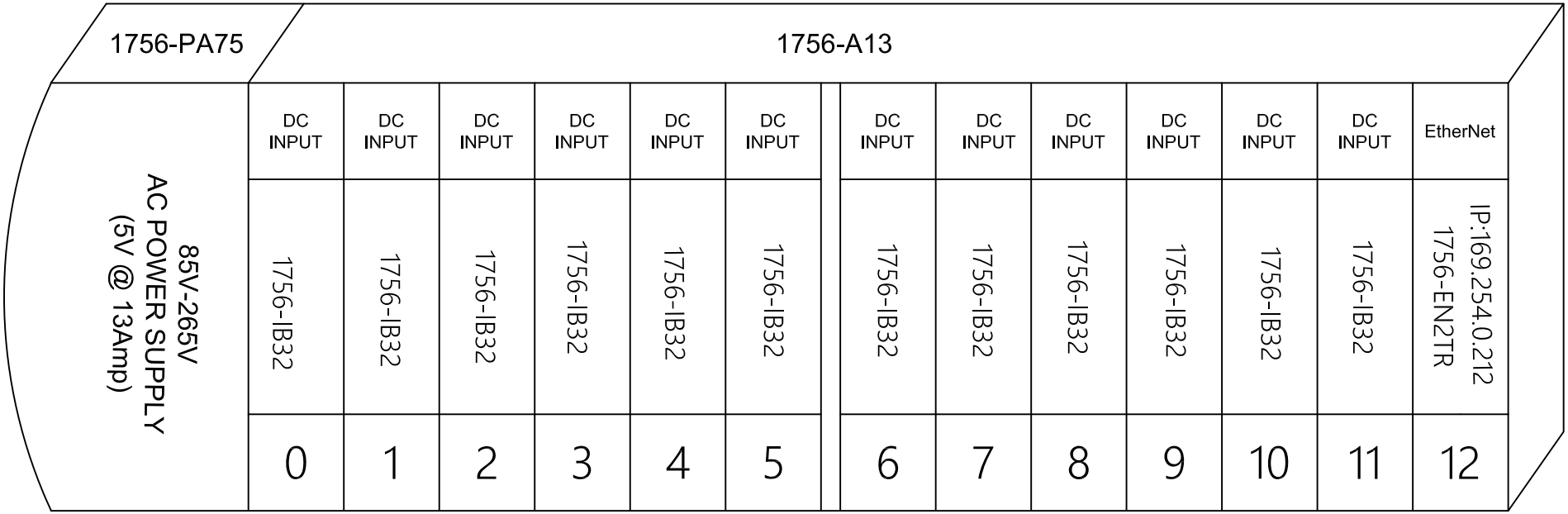
DRAWING NO.:
DRAWN DATE: 10-26-2023

Page # 9A
Total
MATERIAL
SCALE NONE
UNIT MM



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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	Leo Lin
CHECKED BY	Jerry Wu

Line1_F13
Allen Bradley PLC RACK 1

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

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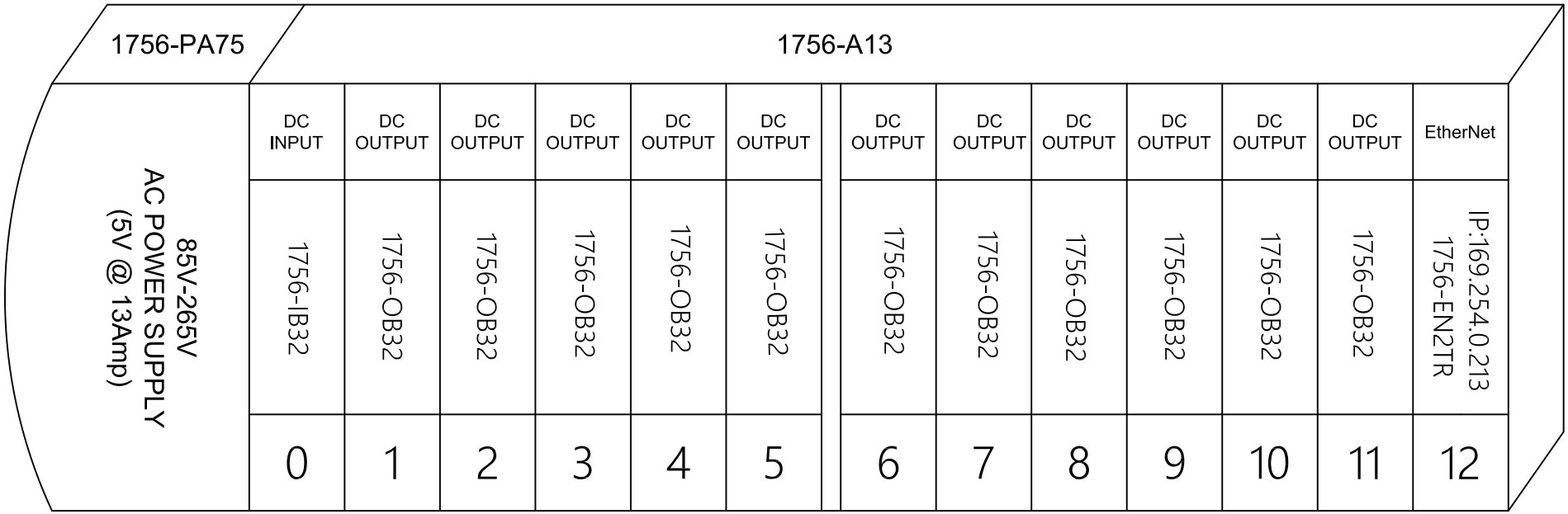
		UNIT	MM



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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	Line1_F13 Allen Bradley PLC RACK 2					DRAWING DESCRIPTION	KF F13	Page #	9C		
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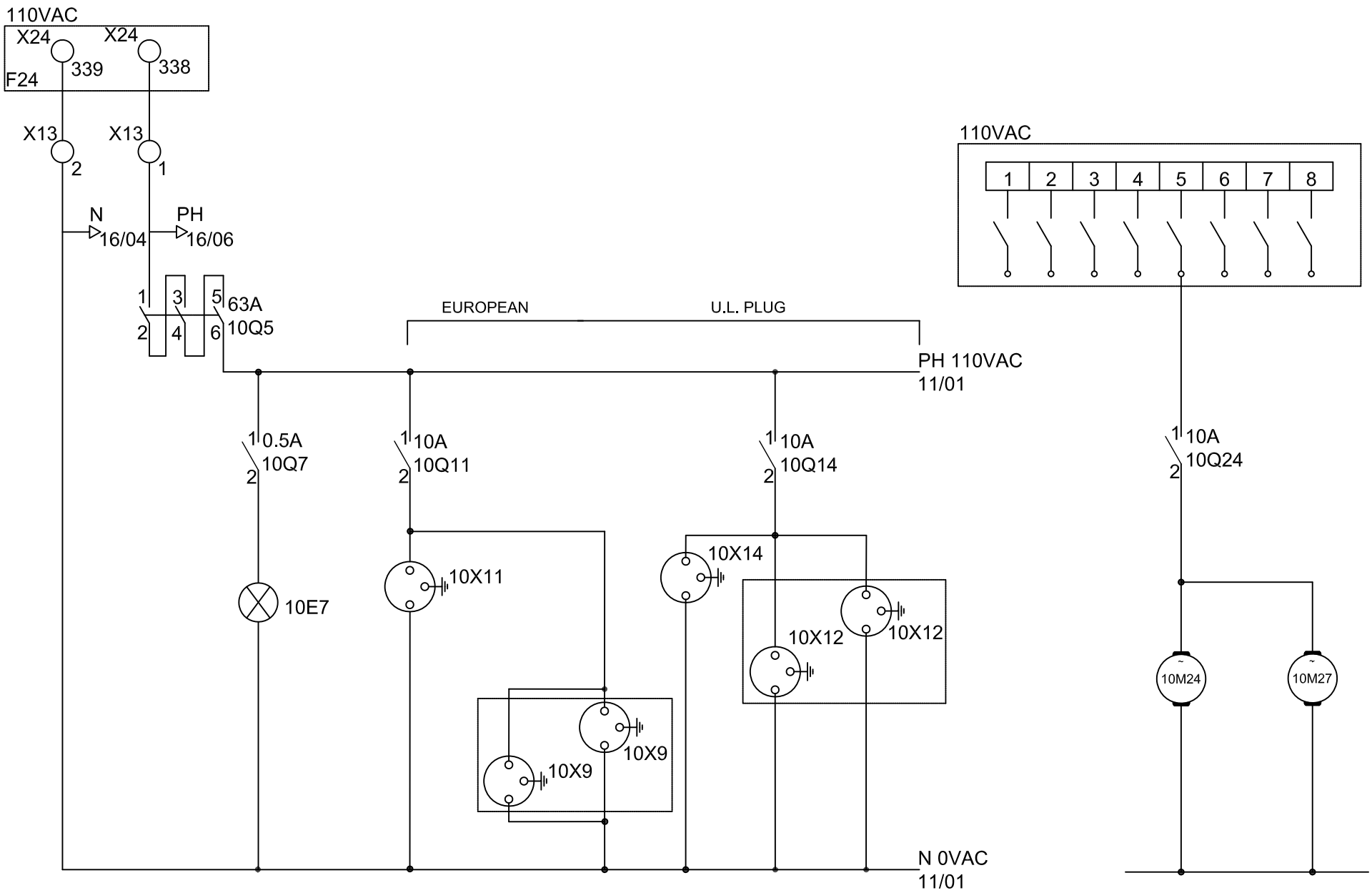

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		MAIN SUPPLY(FOR LINE2)					DRAWING DESCRIPTION	KF F13	Page #	10			
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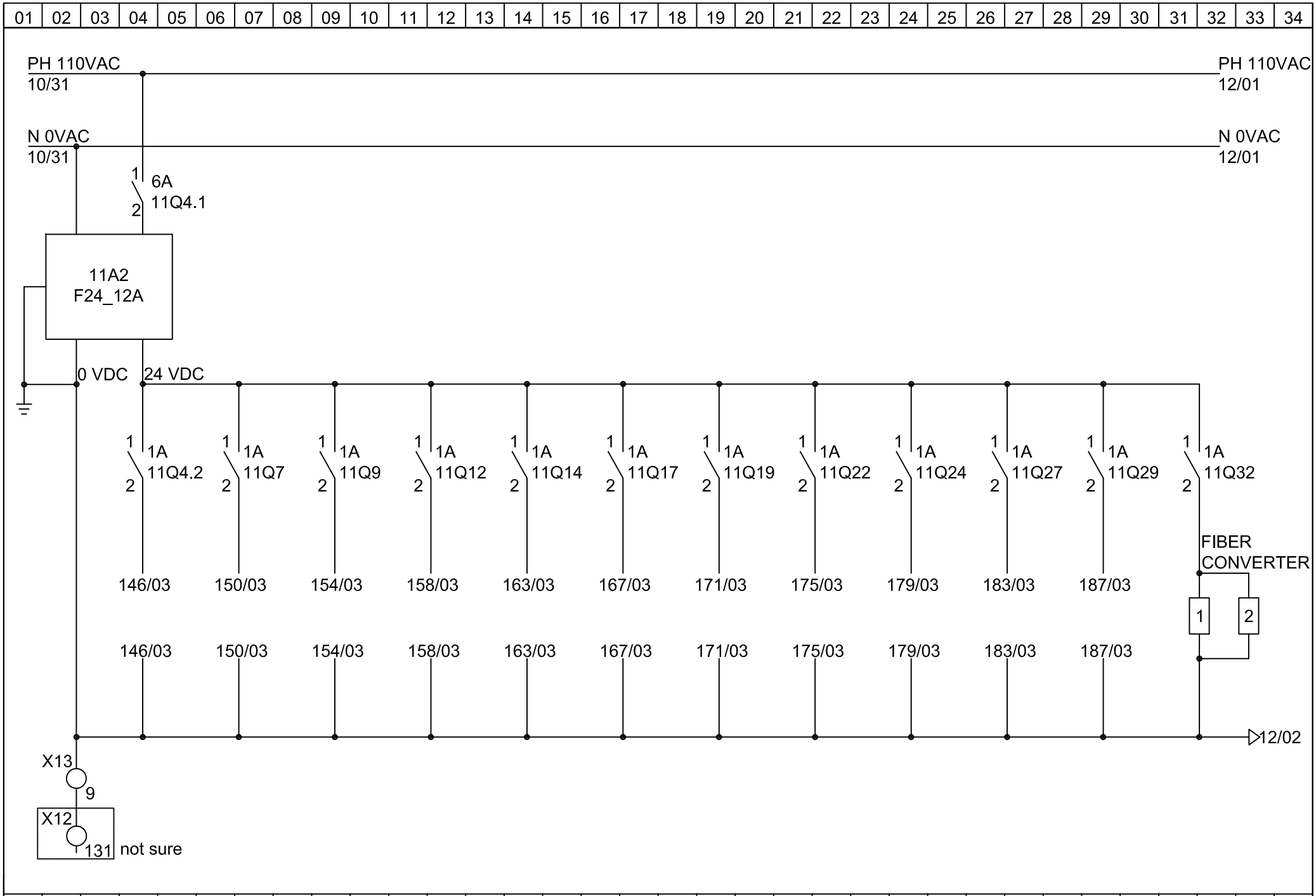

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	DIGITAL OUTPUT SUPPLY					DRAWING DESCRIPTION	KF F13	Page #	11		
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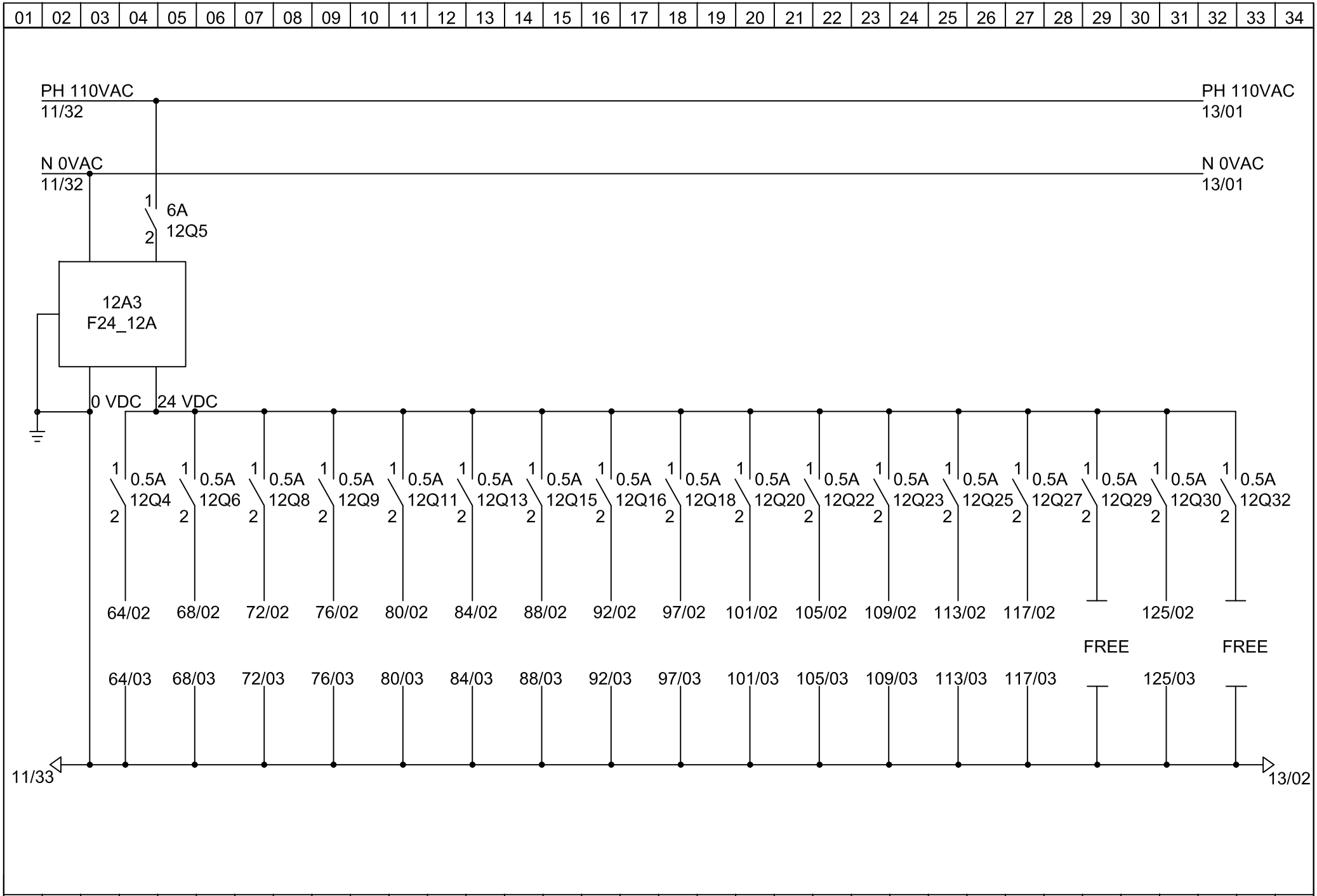

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		DIGITAL INPUT SUPPLY						DRAWING DESCRIPTION	KF F13	Page #	12				
										Total					
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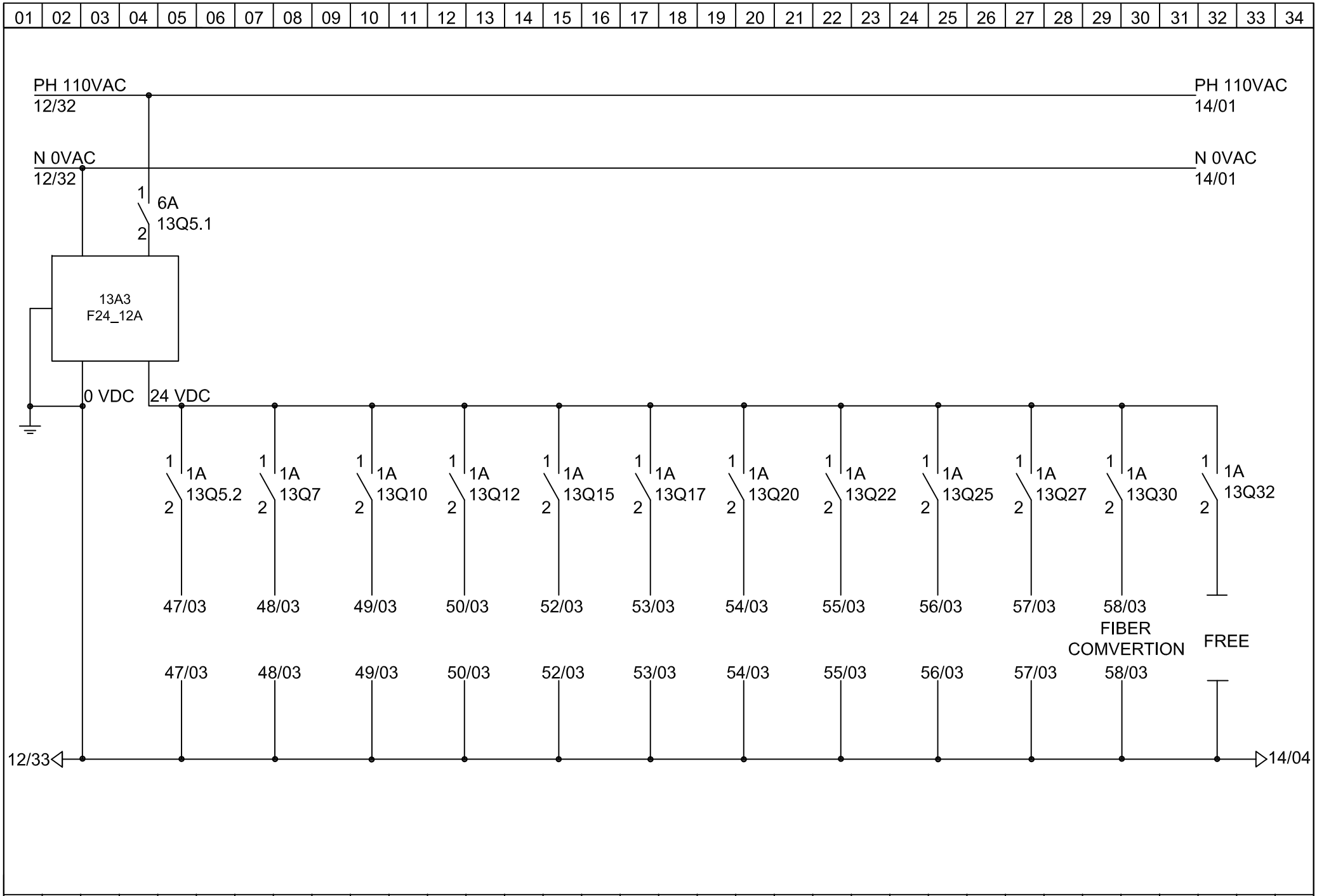

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		ANALOG OUTPUT SUPPLY						DRAWING DESCRIPTION	KF F13	Page #	13		
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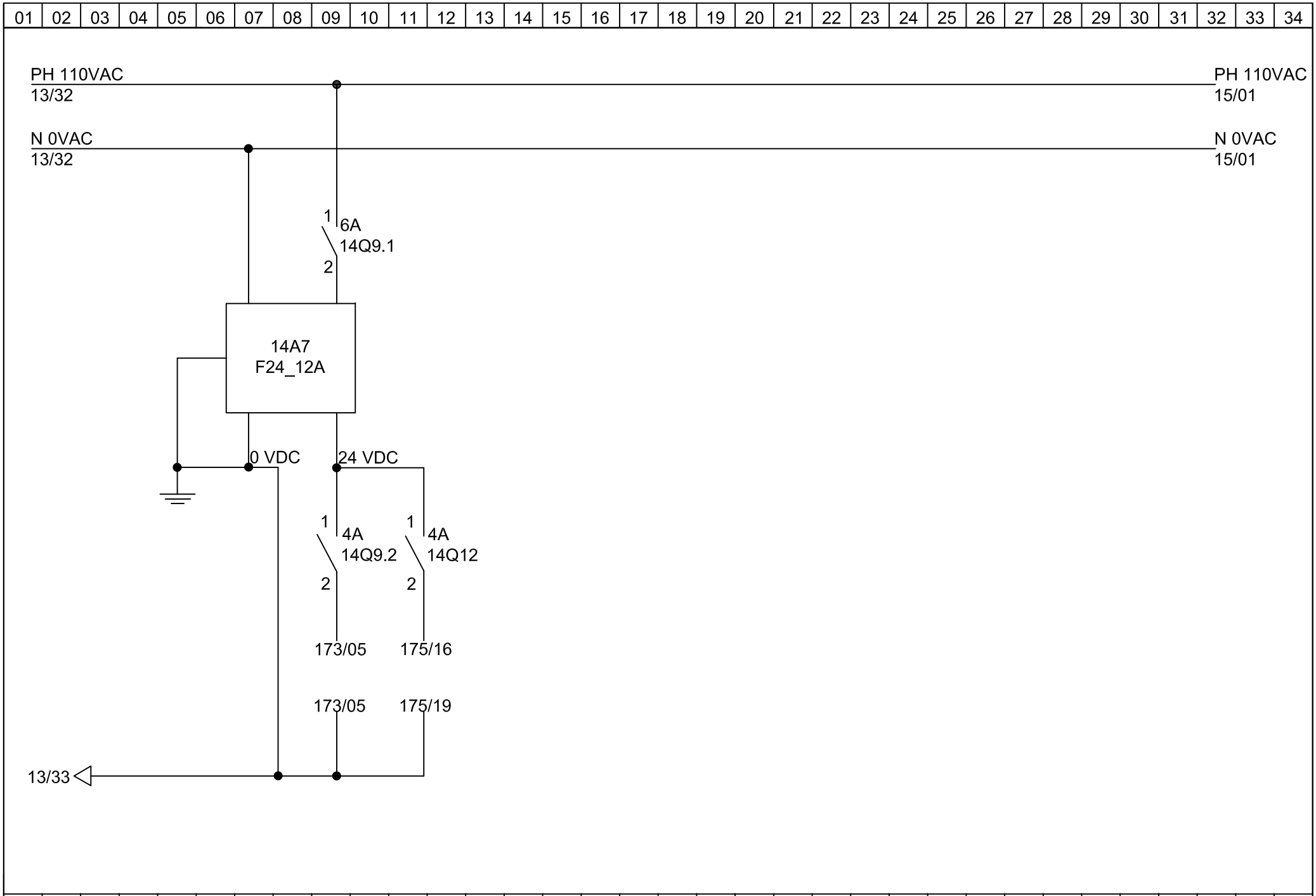

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		LIGHT SUPPLY						DRAWING DESCRIPTION	KF F13	Page #	14				
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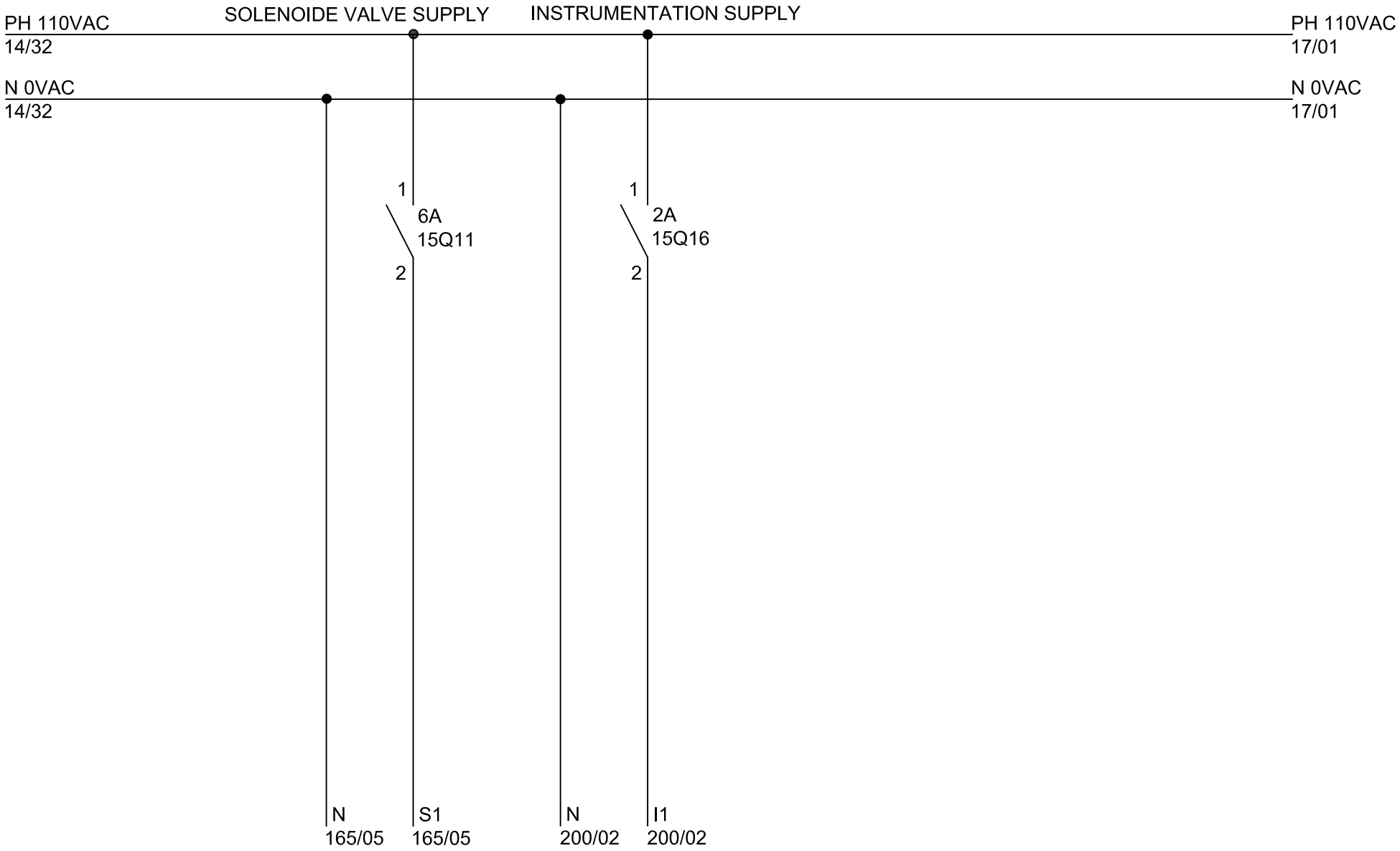

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		SUPPLY(FOR SOLENOIDE & INSTRUMENT)					DRAWING DESCRIPTION	KF F13		Page #	15				
										Total					
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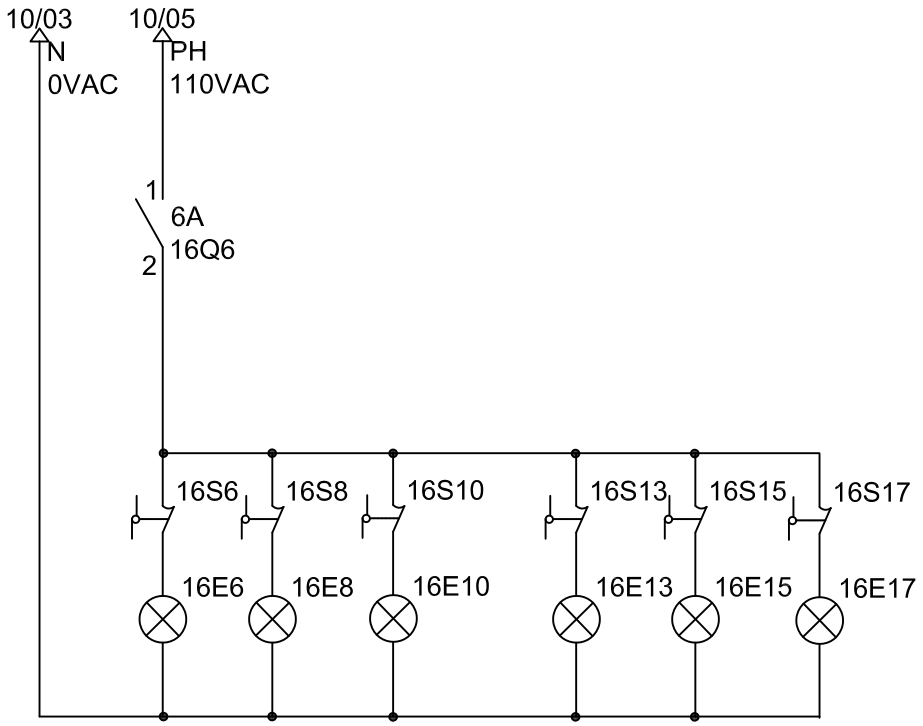

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		LIGHTING BOARD						DRAWING DESCRIPTION	KF F13	Page #	16		
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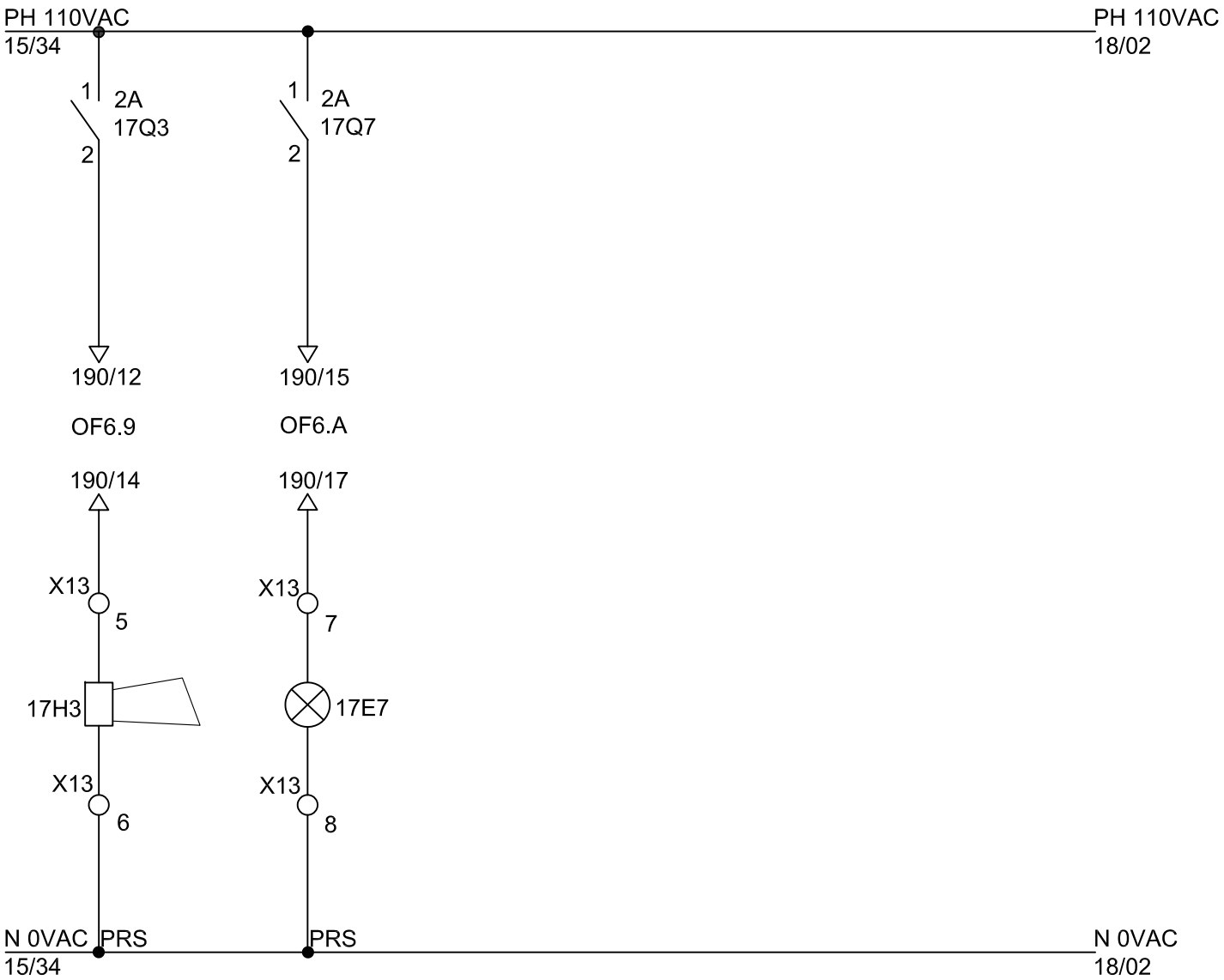

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		KLAXON-ROTATING LIGHT					DRAWING DESCRIPTION	KF F13	Page #	17			
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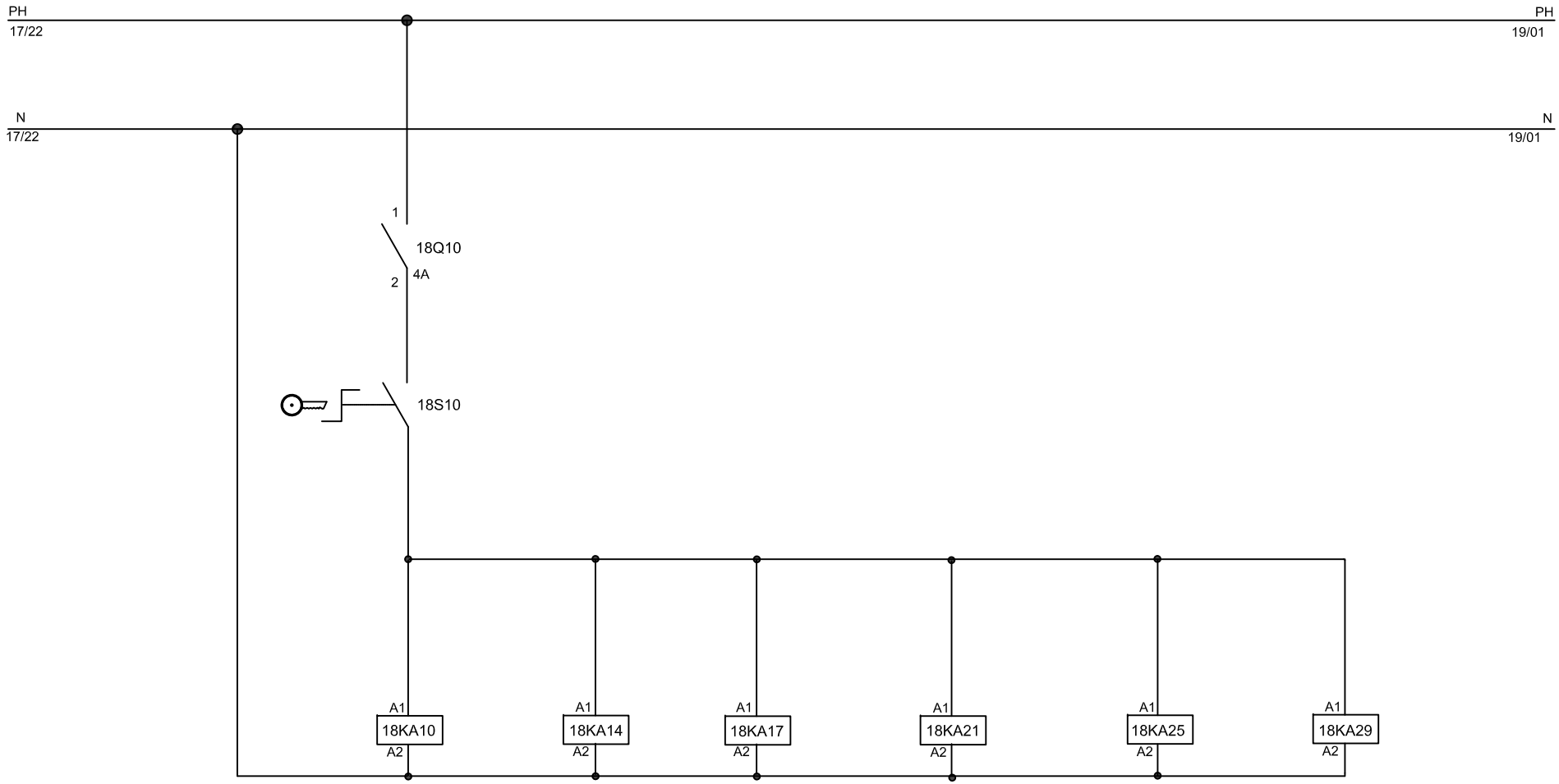

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	DOOR LOCKED					DRAWING DESCRIPTION	KF F13	Page #	18				
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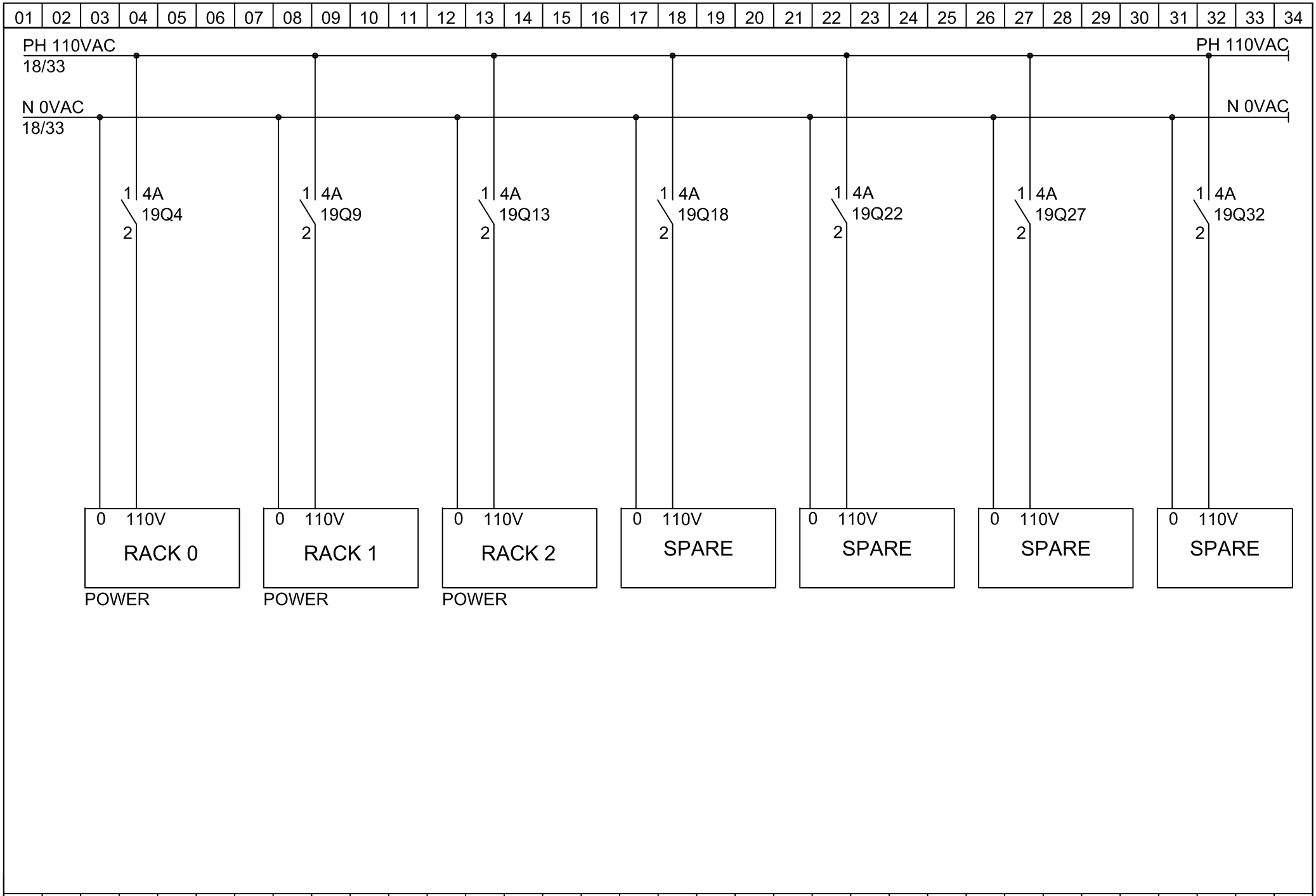

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. SUPPLY					DRAWING DESCRIPTION	KF F13	Page #	19				
								Total					
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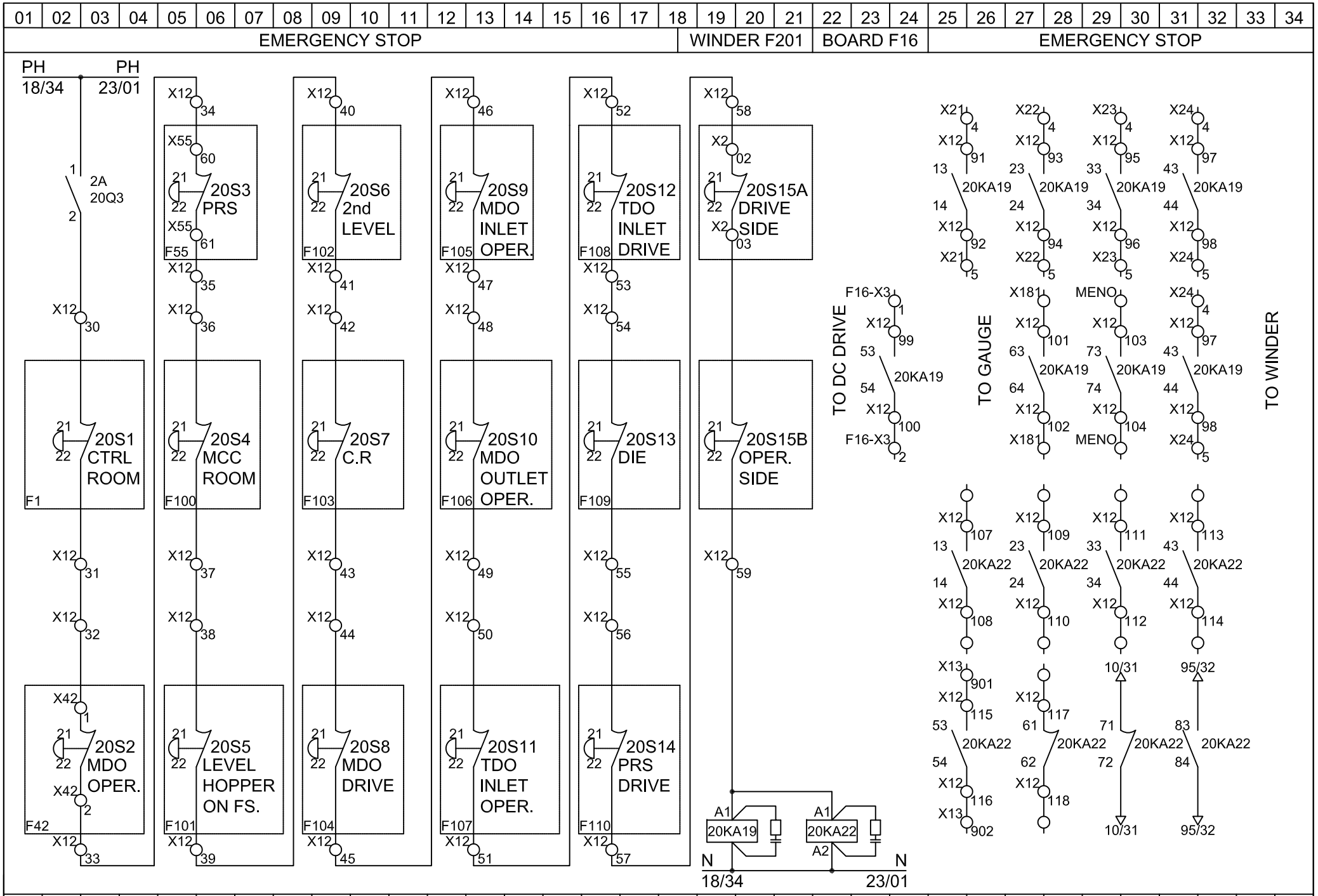

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	EMERGENCY STOP (XE02 ONLY)	DRAWING DESCRIPTION	KF F13
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CHECKED BY	?	DRAWN DATE:	02/12/2024

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

Page #	20		
Total			
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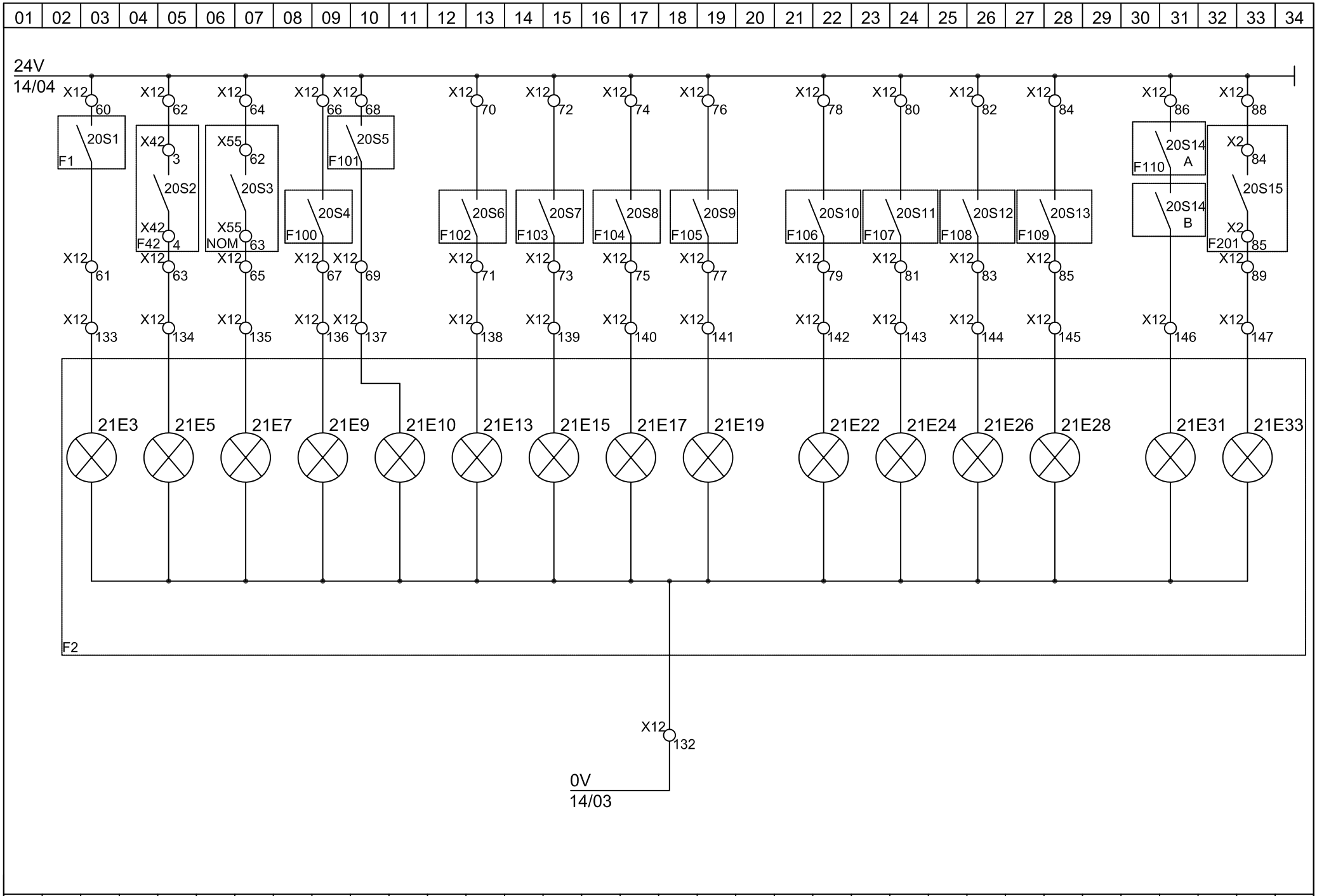

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

EMERGENCY STOP SIGNALISATION

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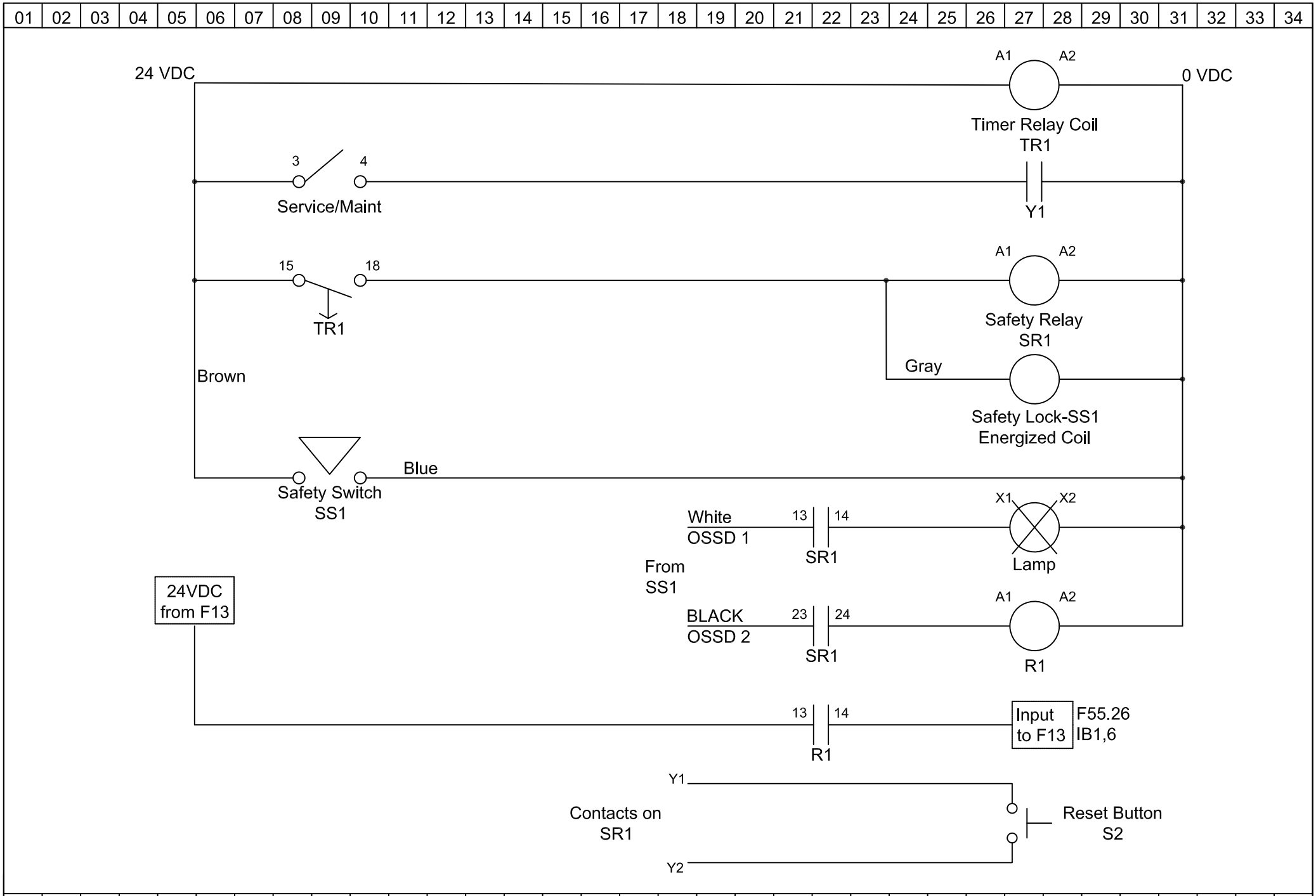

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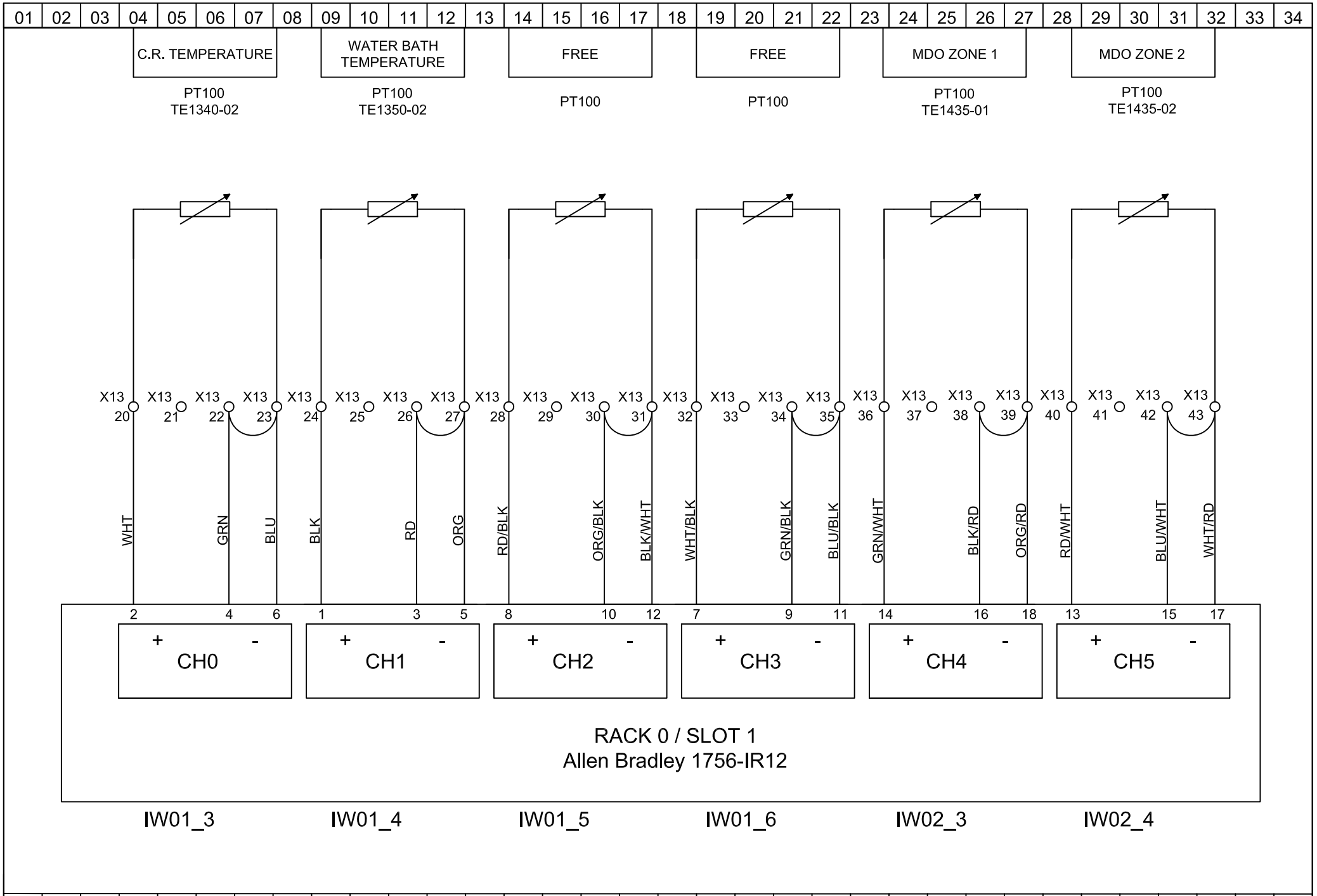
CHECKED BY	Jim Harrison	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	02/20/2024	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG INPUT PT100			DRAWING DESCRIP.	KF F13	Page #	32-33		
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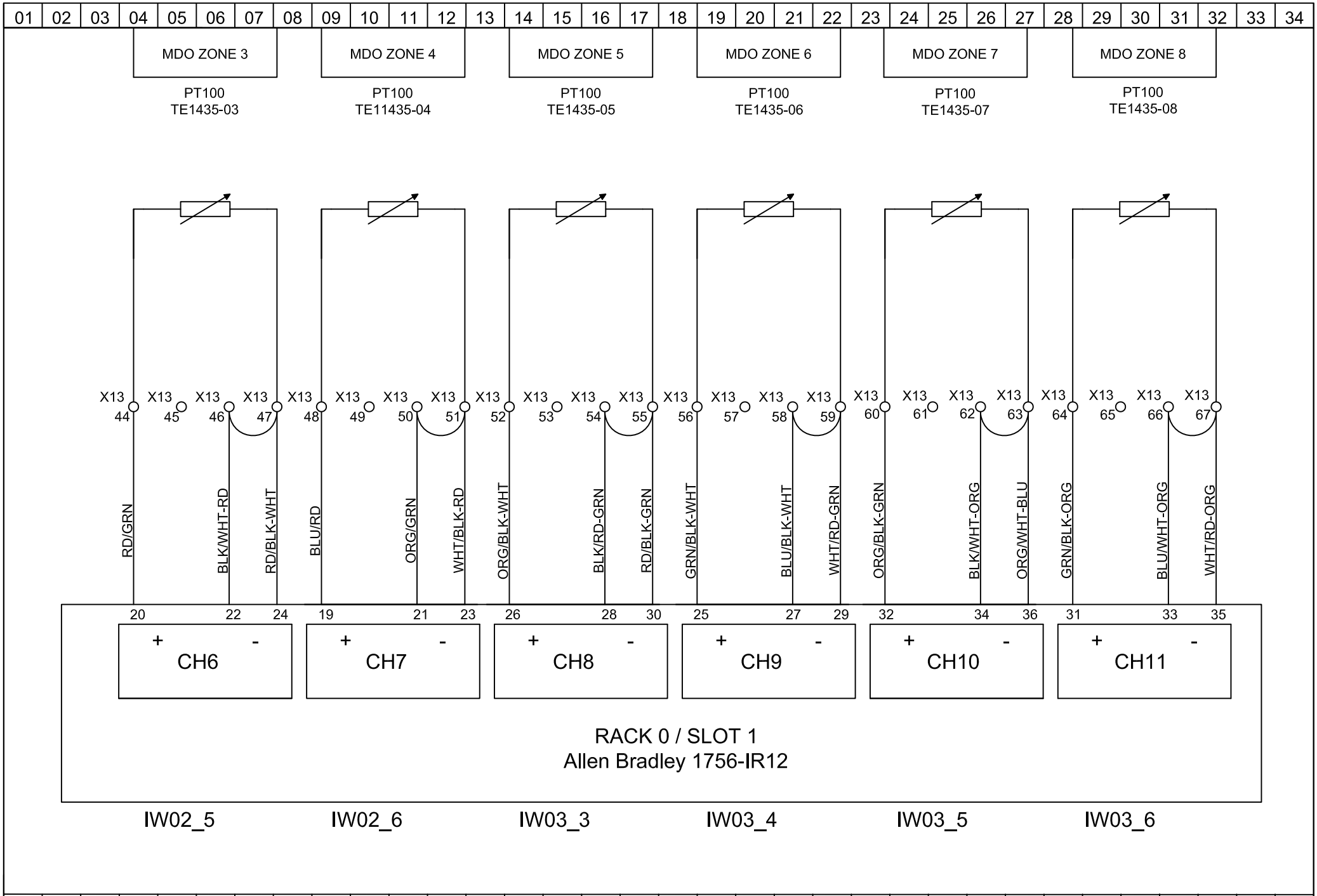

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG INPUT PT100					DRAWING DESCRIP.	KF F13	Page #	33-34				
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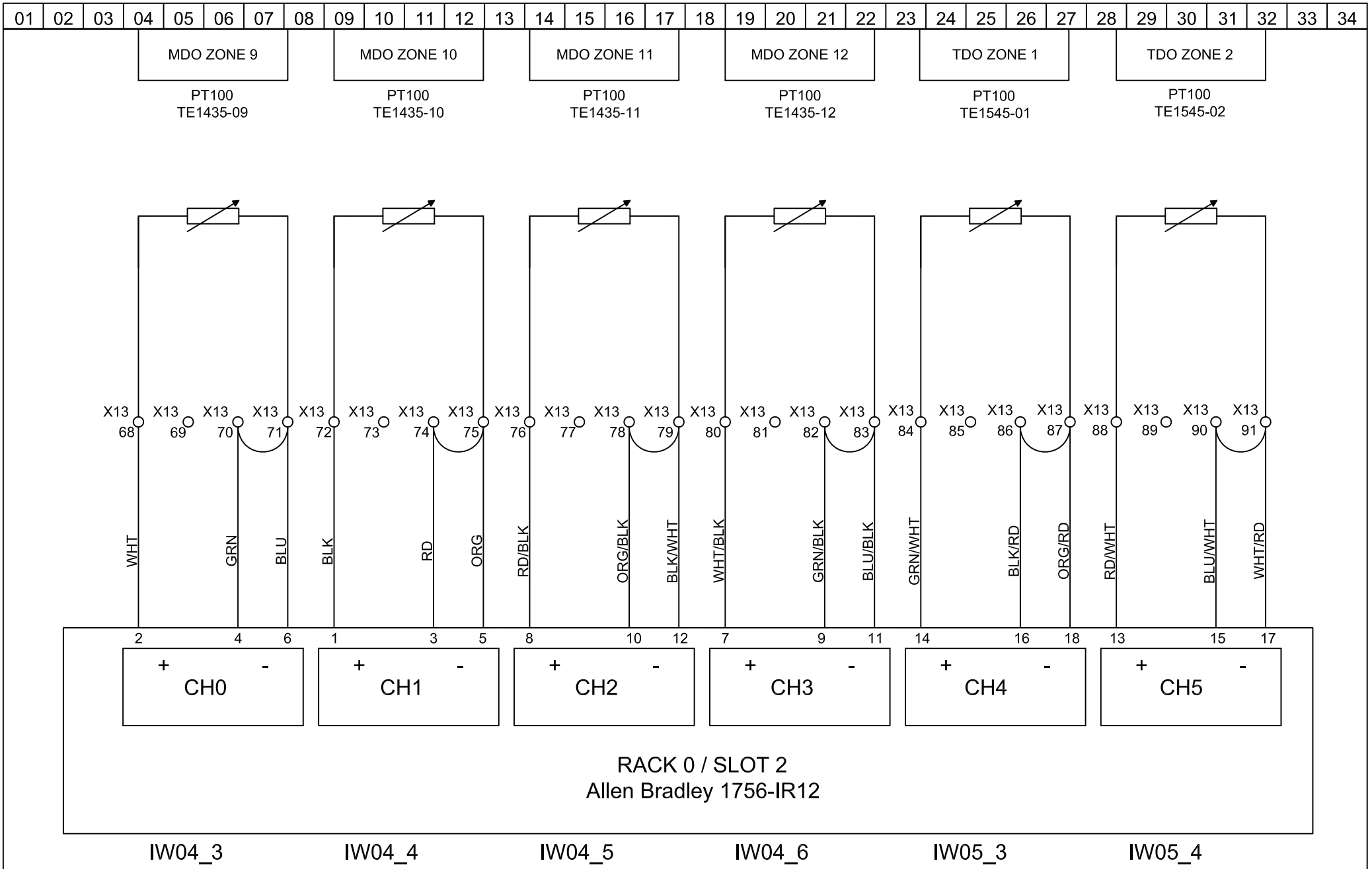

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	Bryan Hong
CHECKED BY	Jerry Wu

P.L.C. ANALOG INPUT
PT100

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

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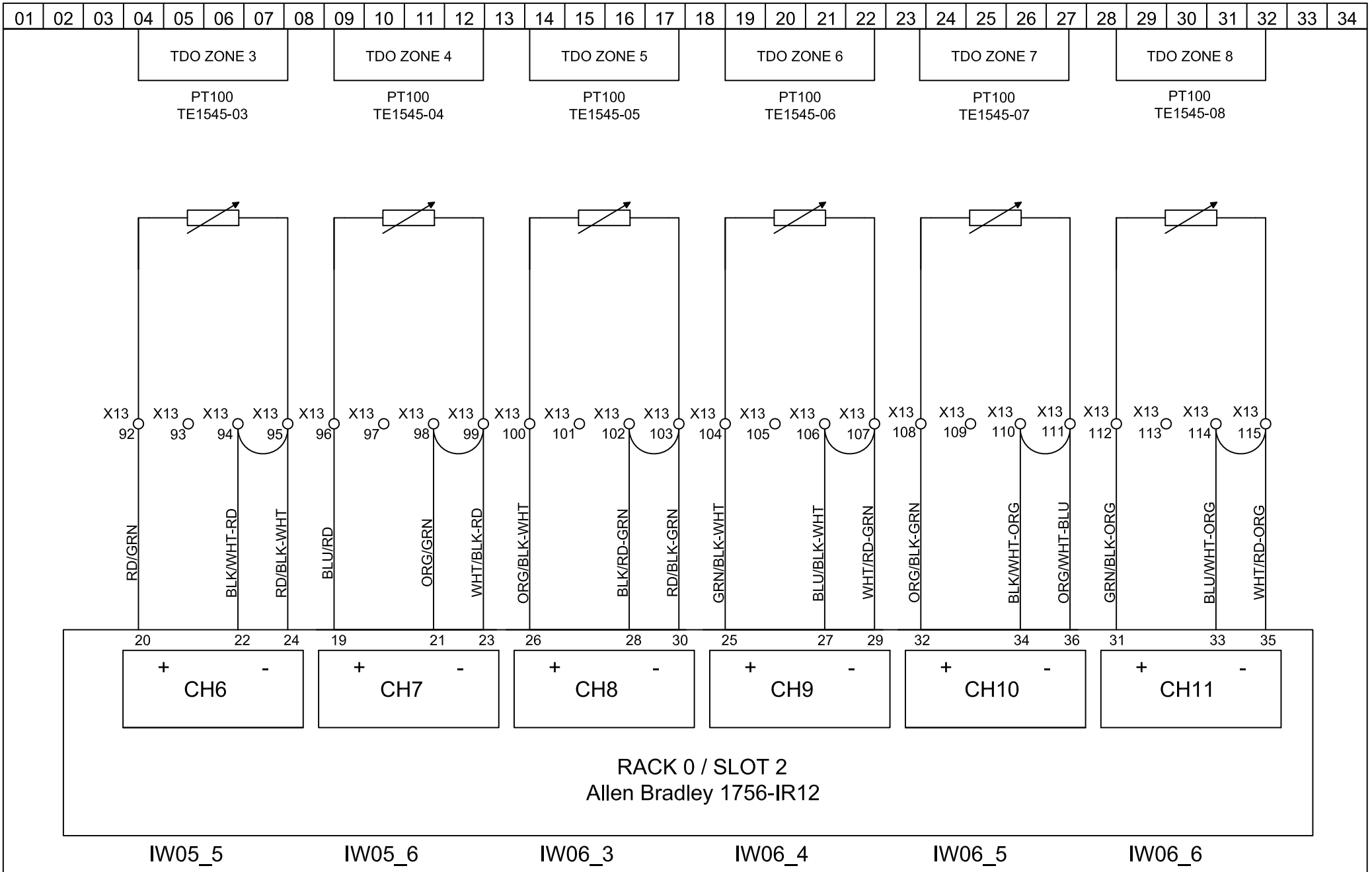

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	Bryan Hong
CHECKED BY	Jerry Wu

P.L.C. ANALOG INPUT
PT100

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION	KF F13	Page #	36-37
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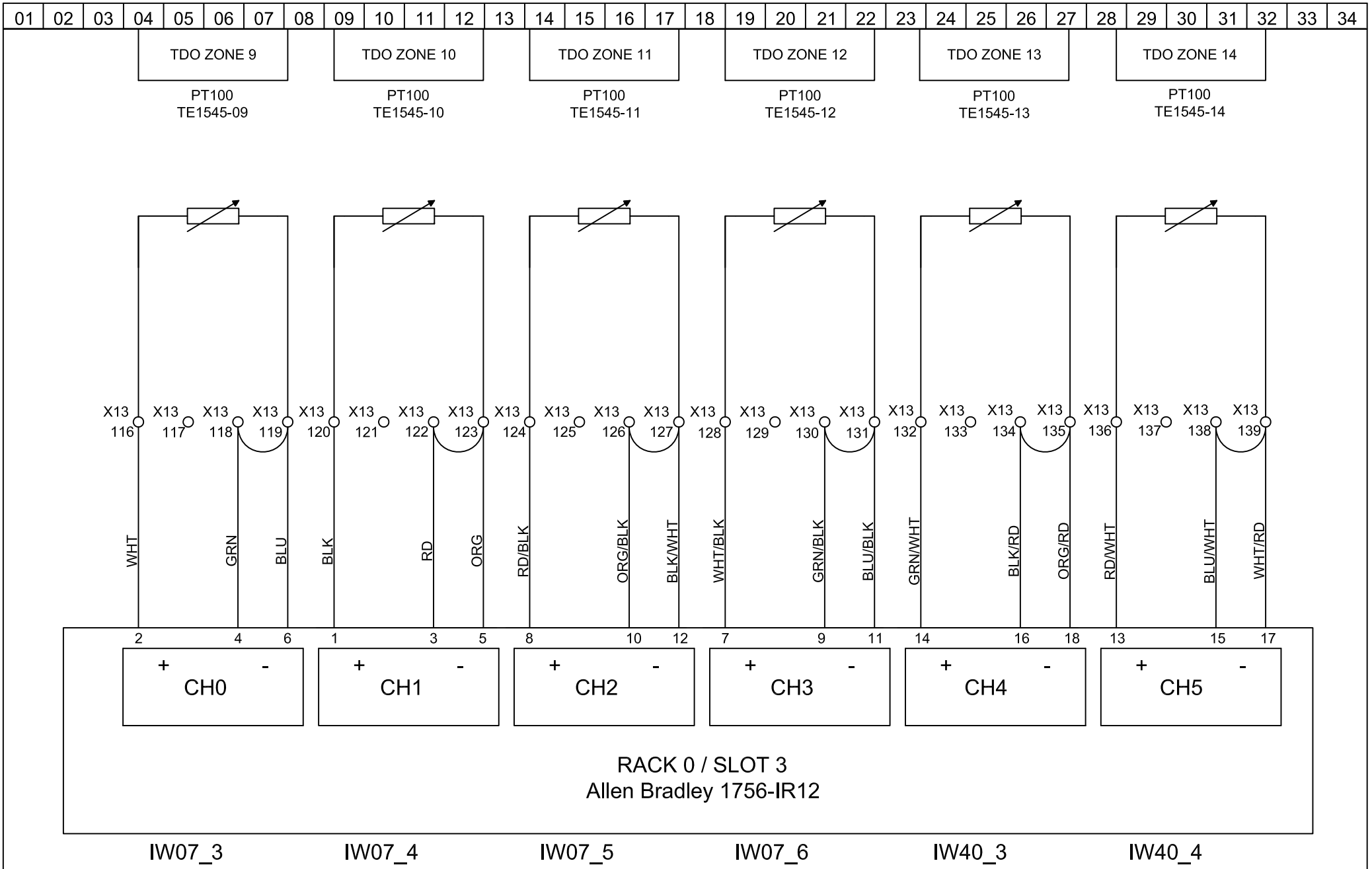

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	Bryan Hong
CHECKED BY	Jerry Wu

P.L.C. ANALOG INPUT
PT100

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

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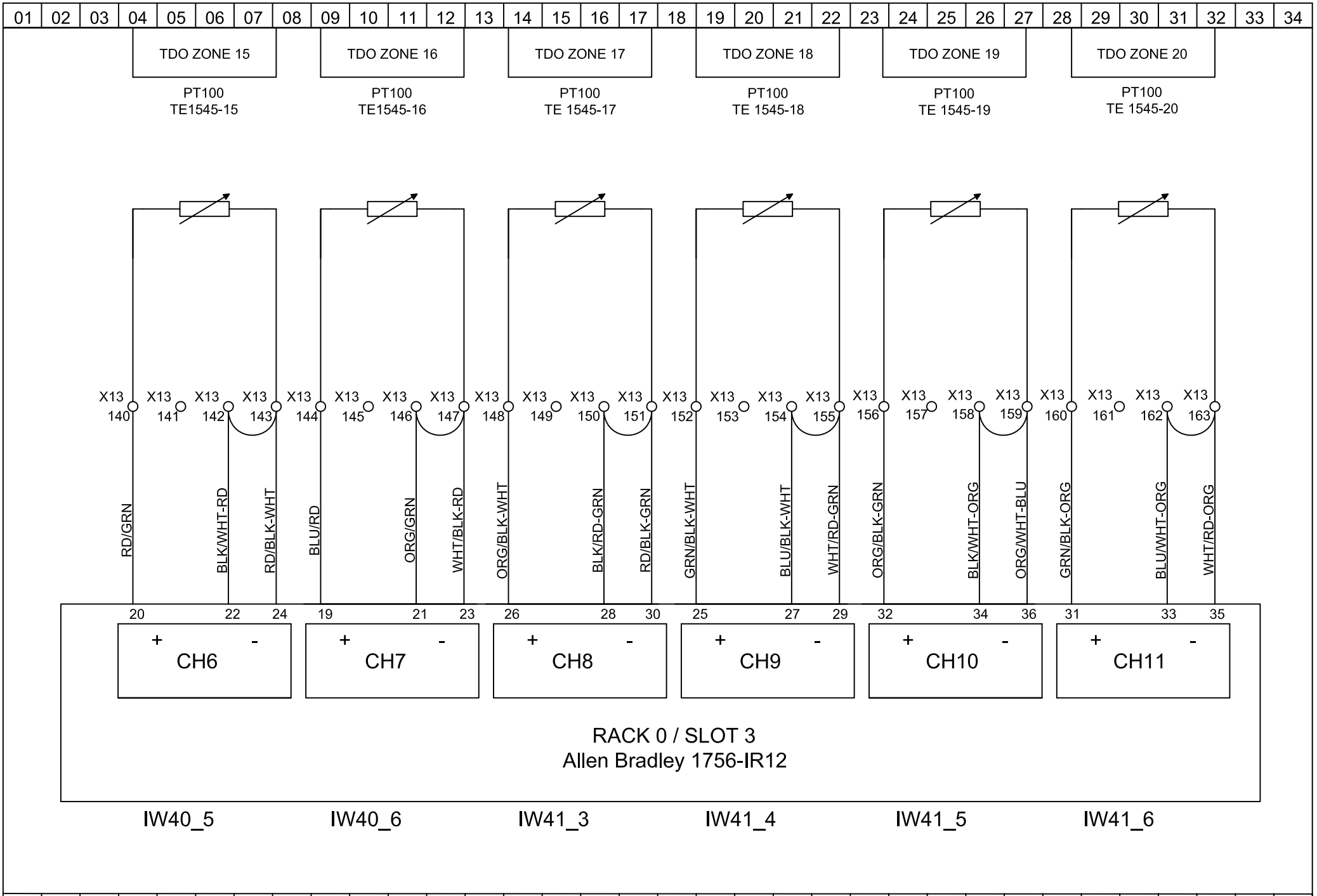

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	Bryan Hong
CHECKED BY	Jerry Wu

P.L.C. ANALOG INPUT
PT100

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

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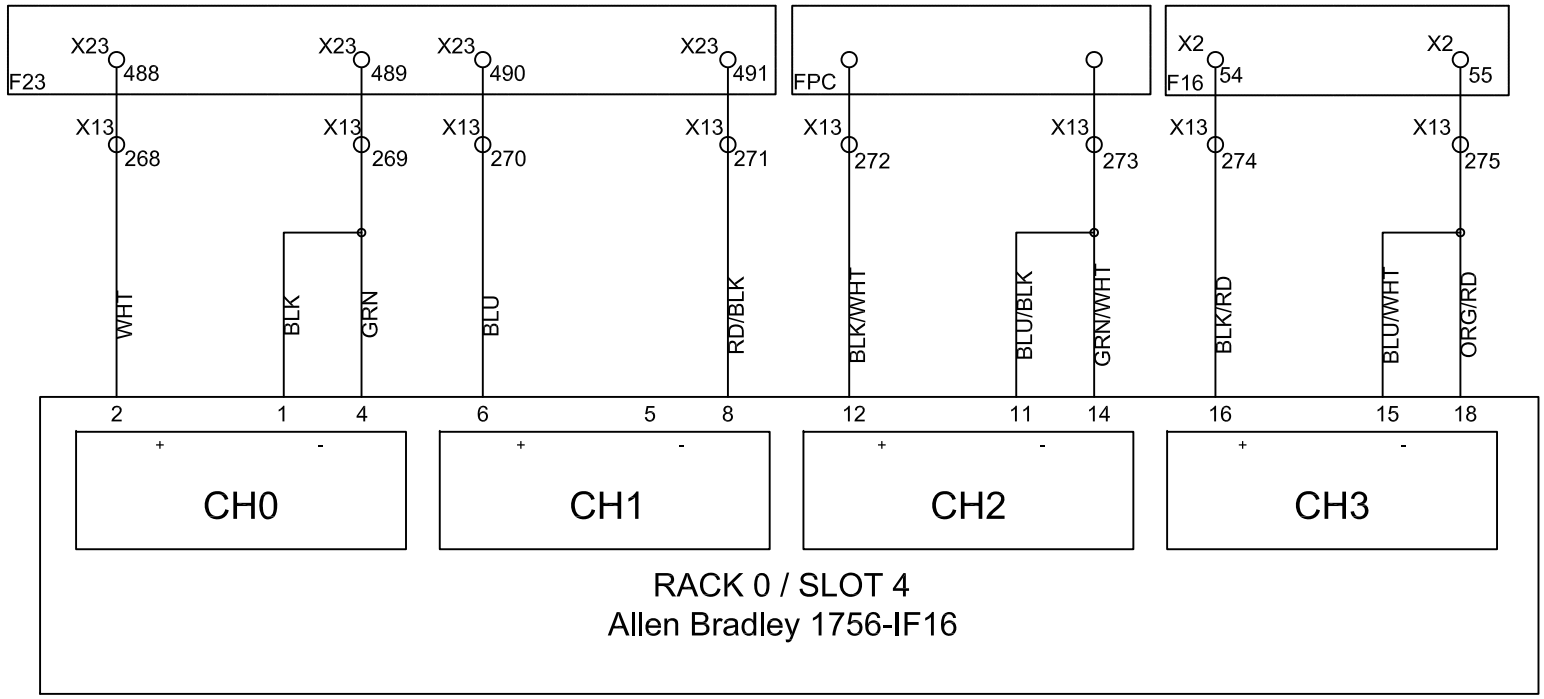
		UNIT	MM



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(0-1440)

IW43_4_0
0-10V
(0-1440)

IW43_5_0
4-20mA
(0-1040)

IW43_6_0
4-20mA
(0-1146)

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	8 P.L.C. ANALOG INPUT		2	UPGRADE TO AB	Bryan Hong	11/13/2023	DRAWING DESCRIPTION	KF F13	Page #	43	
DRAWN BY	JEFF LEE		1		EDWIN LEE	11/26/2019	DRAWING NO.		Total		
CHECKED BY	VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		MATERIAL		
									SCALE	NONE	UNIT MM

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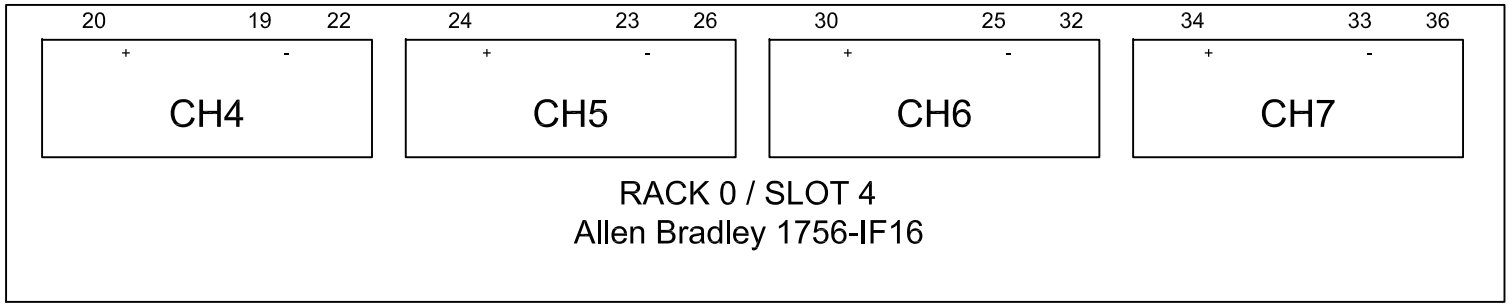

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4-20mA
(0-1440)

IW43_4_1
4-20mA
(0-1440)

IW43_5_1
4-20mA
(0-1040)

IW43_6_1
4-20mA
(0-1146)

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

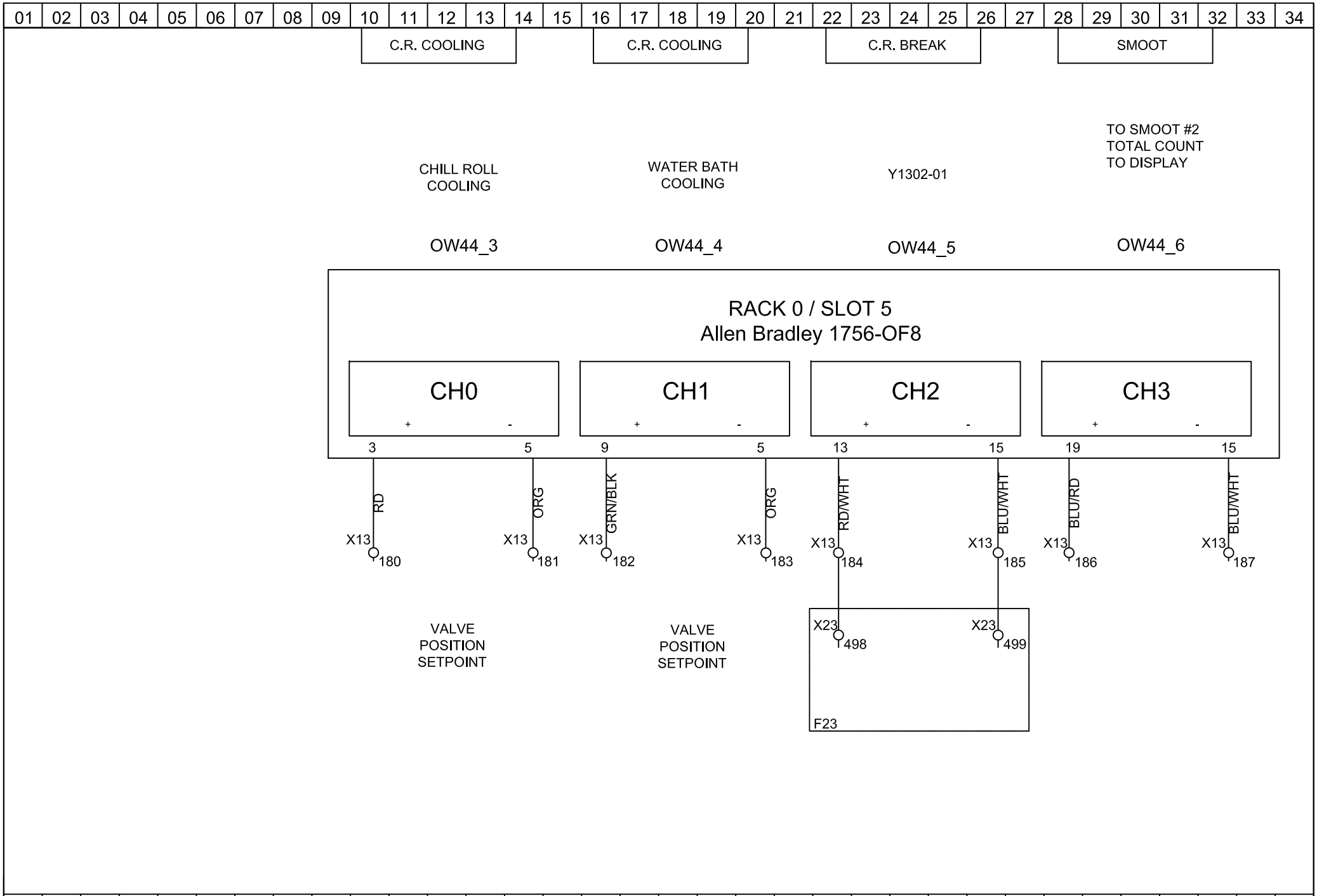
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG

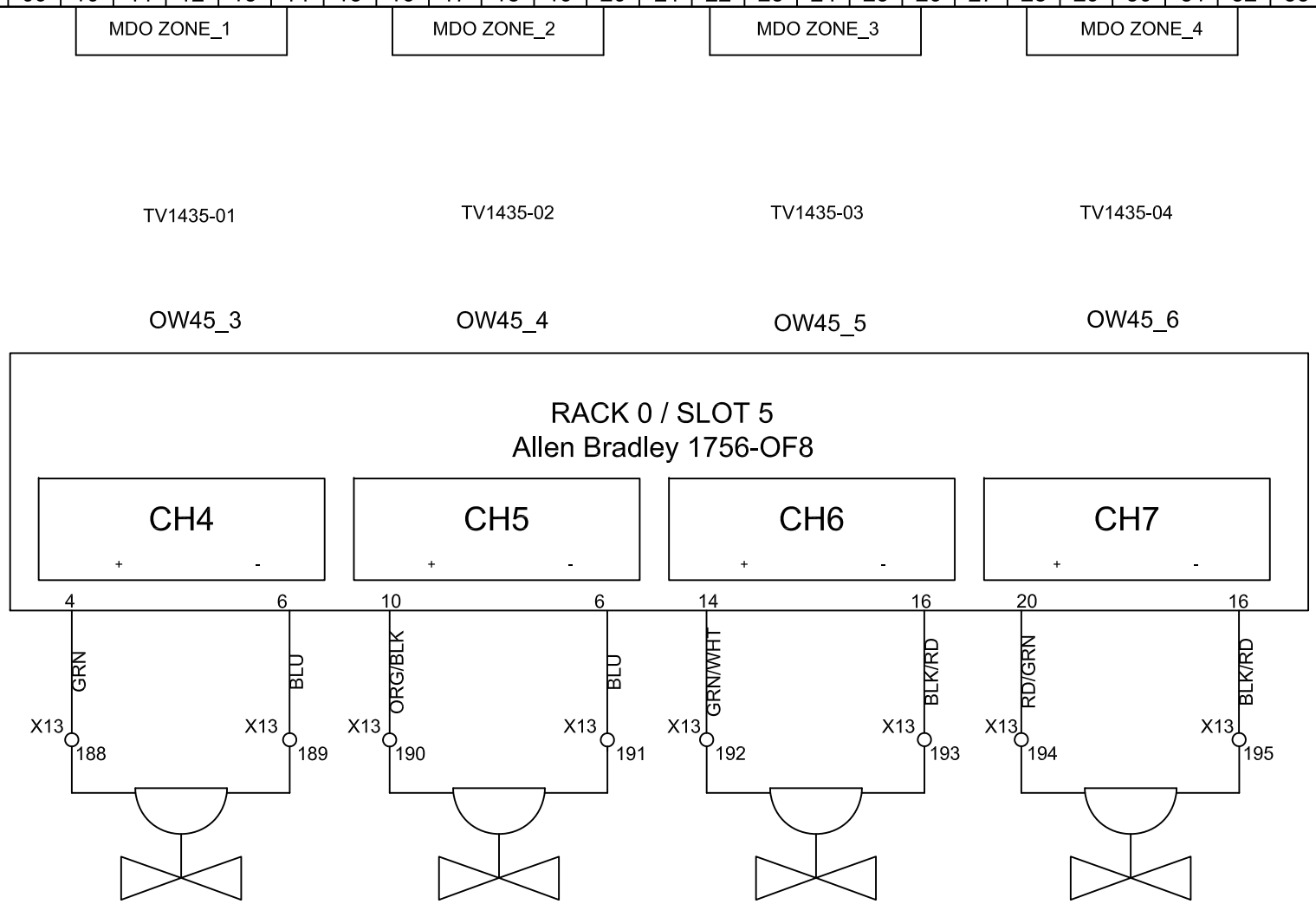
8 P.L.C. ANALOG INPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
3	LINE1 F13 UPGRADE	Leo Lin	01/23/2025
2	UPGRADE TO AB	Bryan Hong	11/13/2023
1		EDWIN LEE	11/26/2019

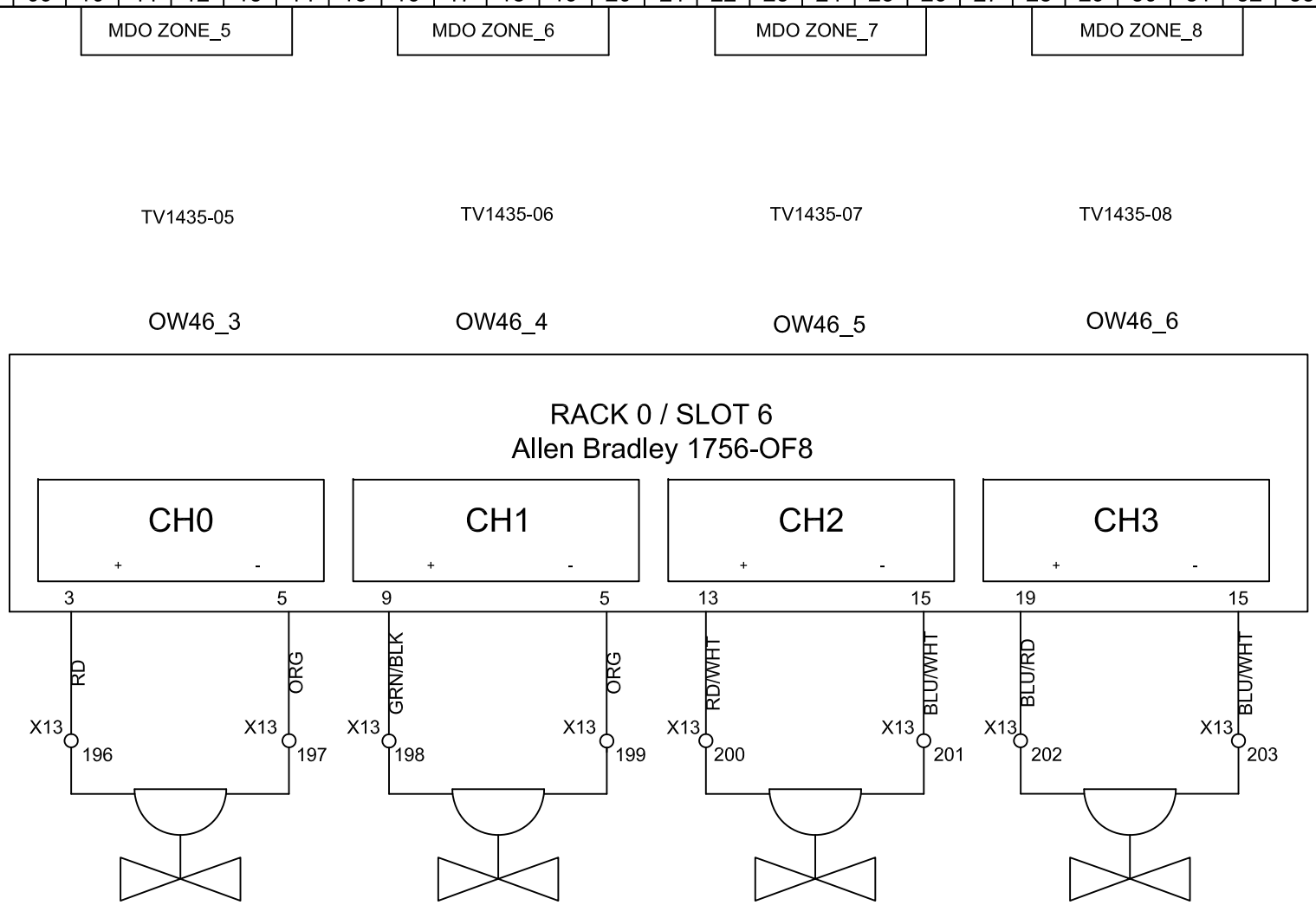
DRAWING DESCRIPTION	KF F13	Page #	44
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM



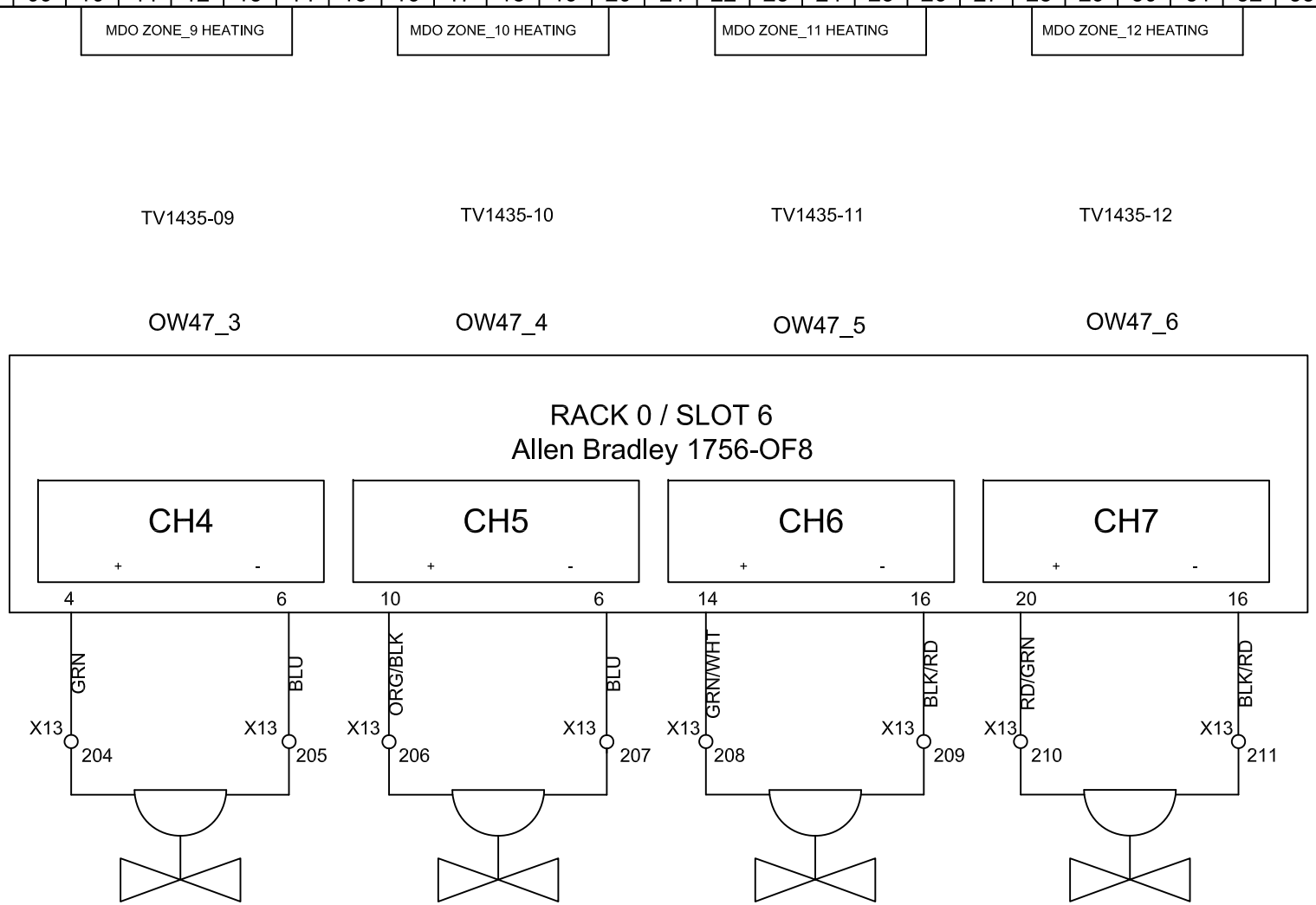
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT			DRAWING DESCRIPTION	KF F13	Page #	47				
		2	LINE1 F13 UPGRADE	Leo Lin	01/23/2025			Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/13/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	48		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/13/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	4 P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	49		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/13/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	50		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/13/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

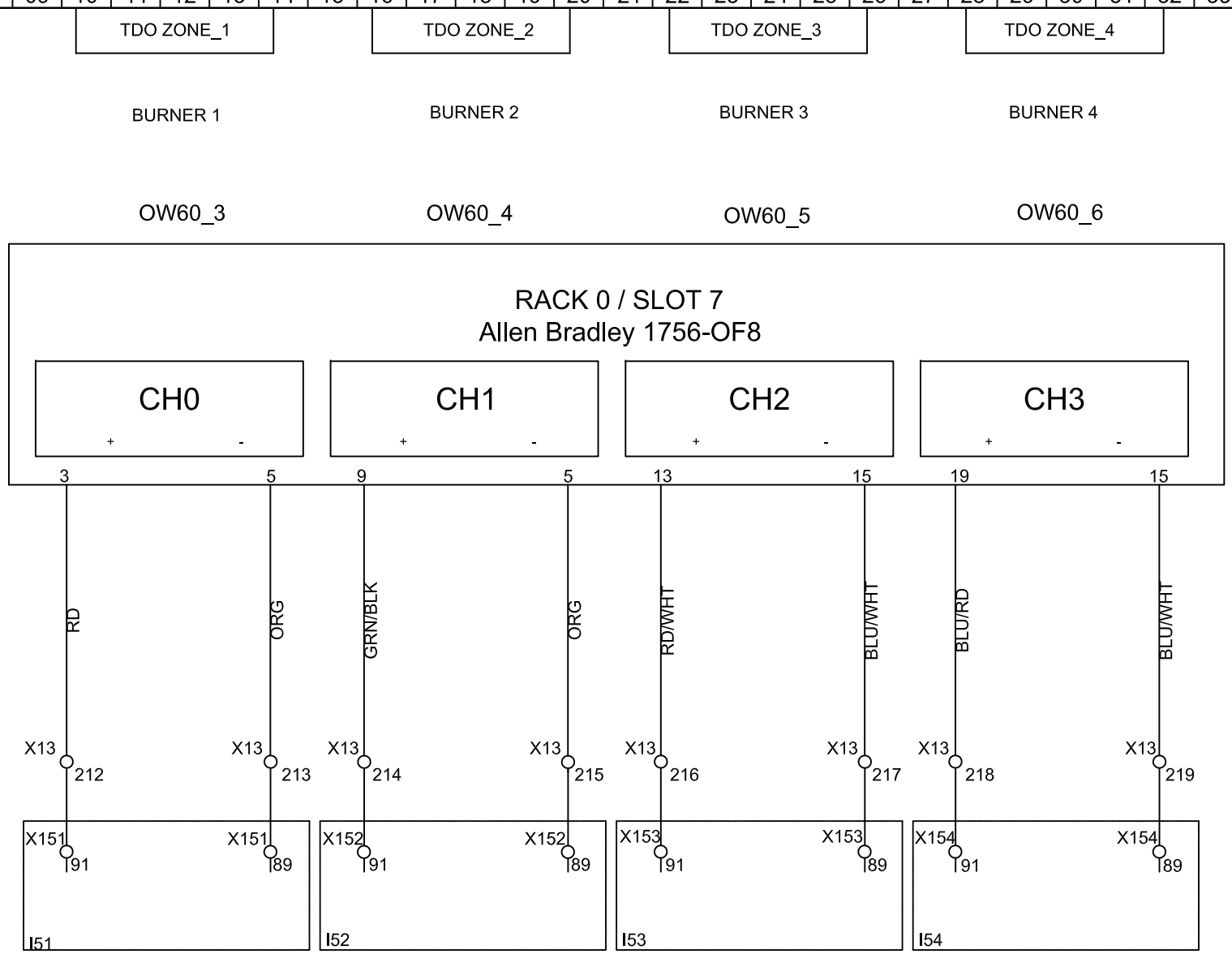
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

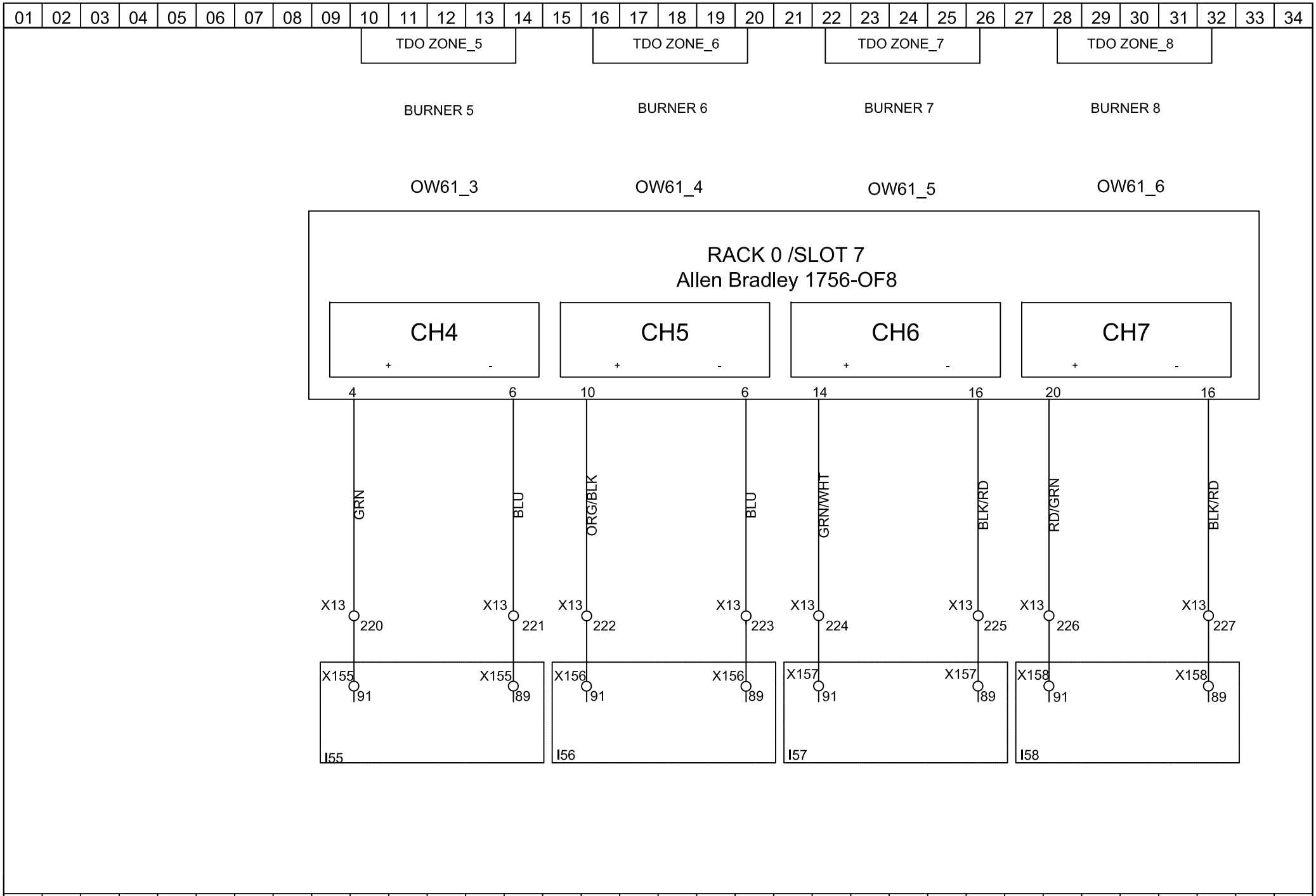
DRAWN BY	
CHECKED BY	

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

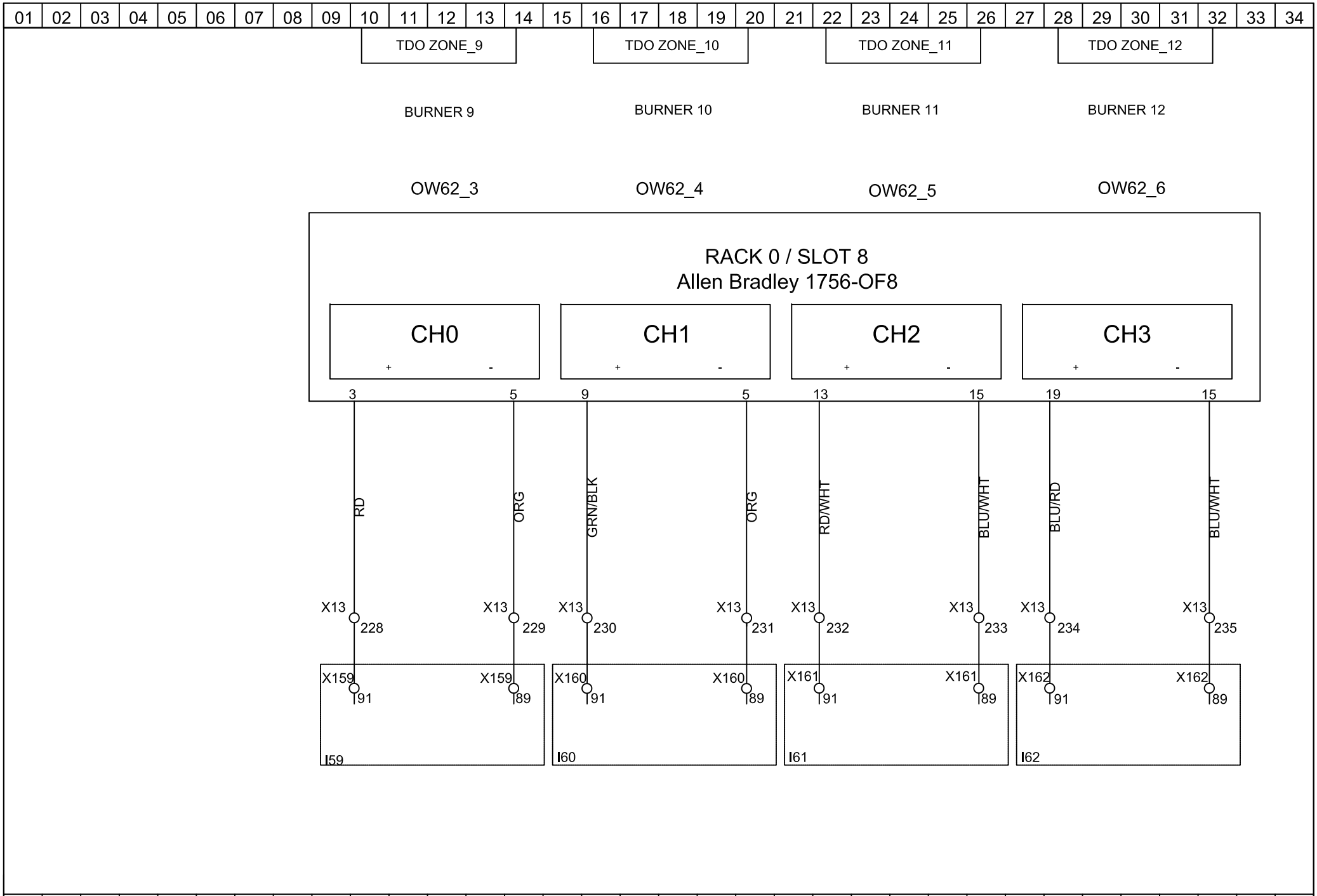
DRAWING DESCRIPTION		Page #	51
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM



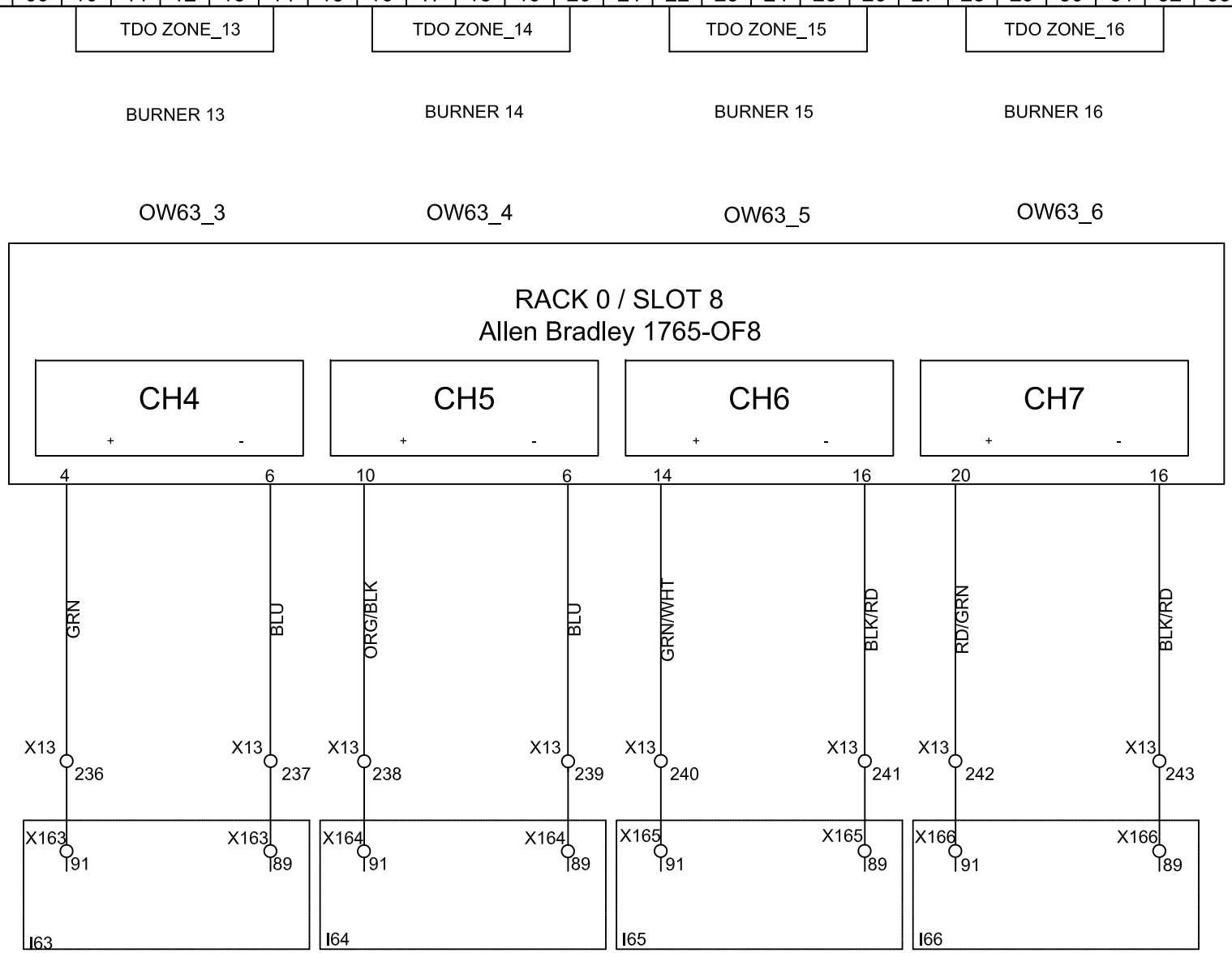
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	52				
								Total					
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/14/2023	DRAWING NO.		MATERIAL					
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	03-03-2014	SCALE	NONE	UNIT	MM		



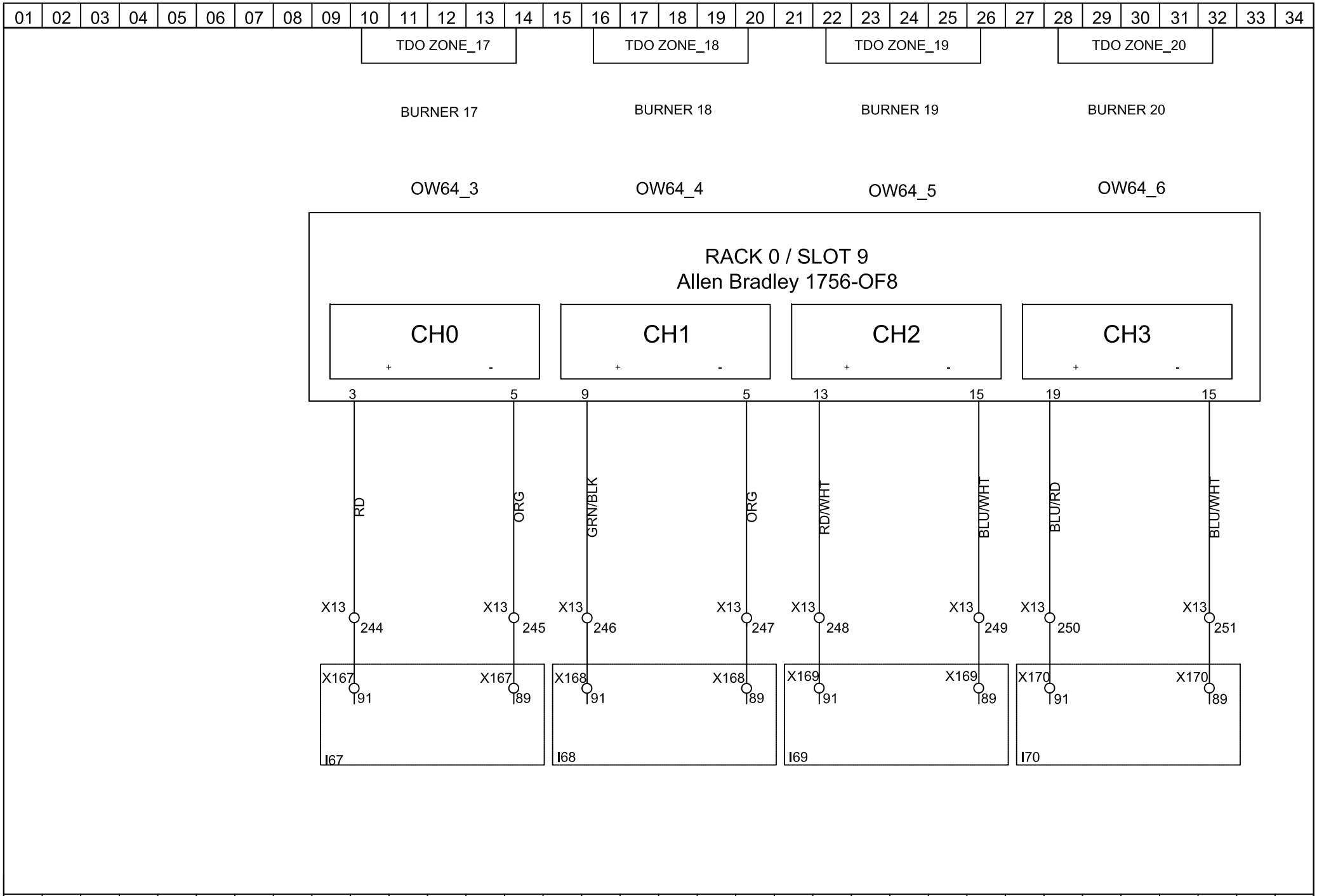
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	53		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/14/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	03-03-2014	SCALE	NONE	UNIT	MM



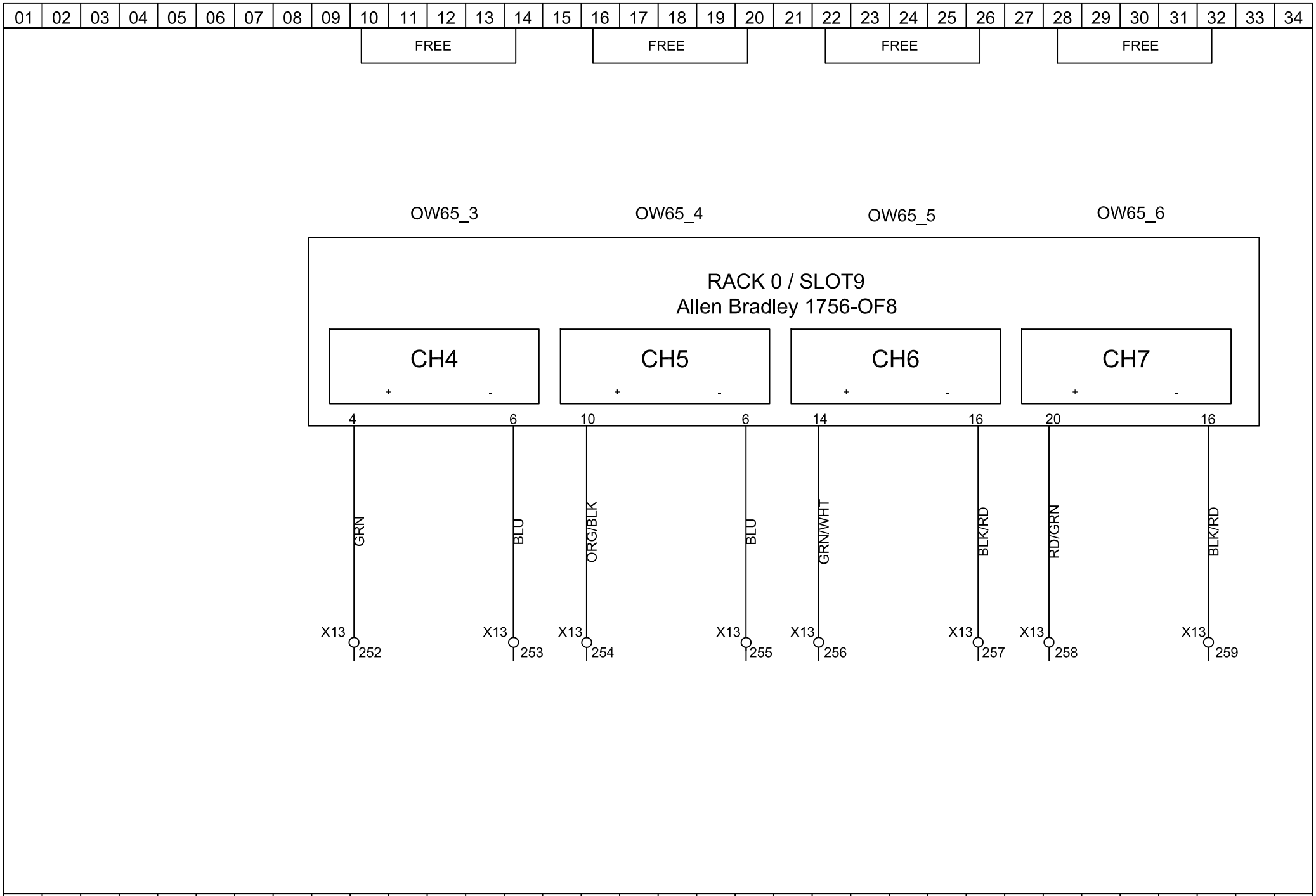
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	54		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/14/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	03-03-2014	SCALE	NONE	UNIT	MM



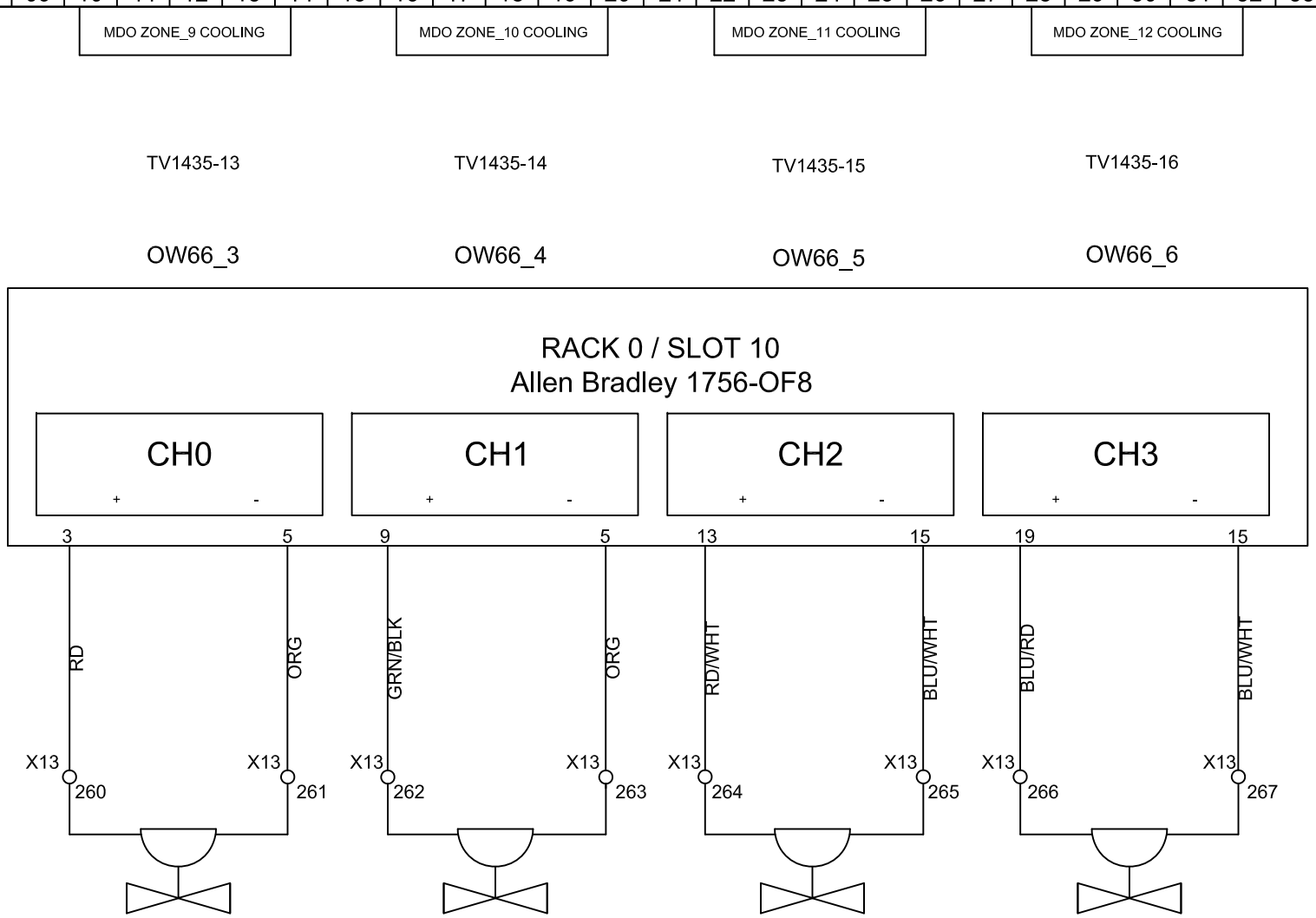
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	55		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/14/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	56		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/14/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT			DRAWING DESCRIPTION	KF F13	Page #	57				
						Total					
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/14/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	58		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/14/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	03-03-2014	SCALE	NONE	UNIT	MM

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FREE | FREE | FREE | FREE

OW67_3 OW67_4 OW67_5 OW67_6

RACK 0 / SLOT 10
Allen Bradley 1756-OF8

CH4	CH5	CH6	CH7
+ -	+ -	+ -	+ -
4 6	10 6	14 16	20 16

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY: JEFF LEE
CHECKED BY: VINCENT HUANG

P.L.C. ANALOG OUTPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	UPGRADE TO AB	Bryan Hong	11/14/2023

DRAWING DESCRIPTION: KF F13
DRAWING NO.
DRAWING NO. 03-03-2014
Page # 59
Total
MATERIAL
SCALE NONE
UNIT MM

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01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	
CHECKED BY	

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION		Page #	
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM

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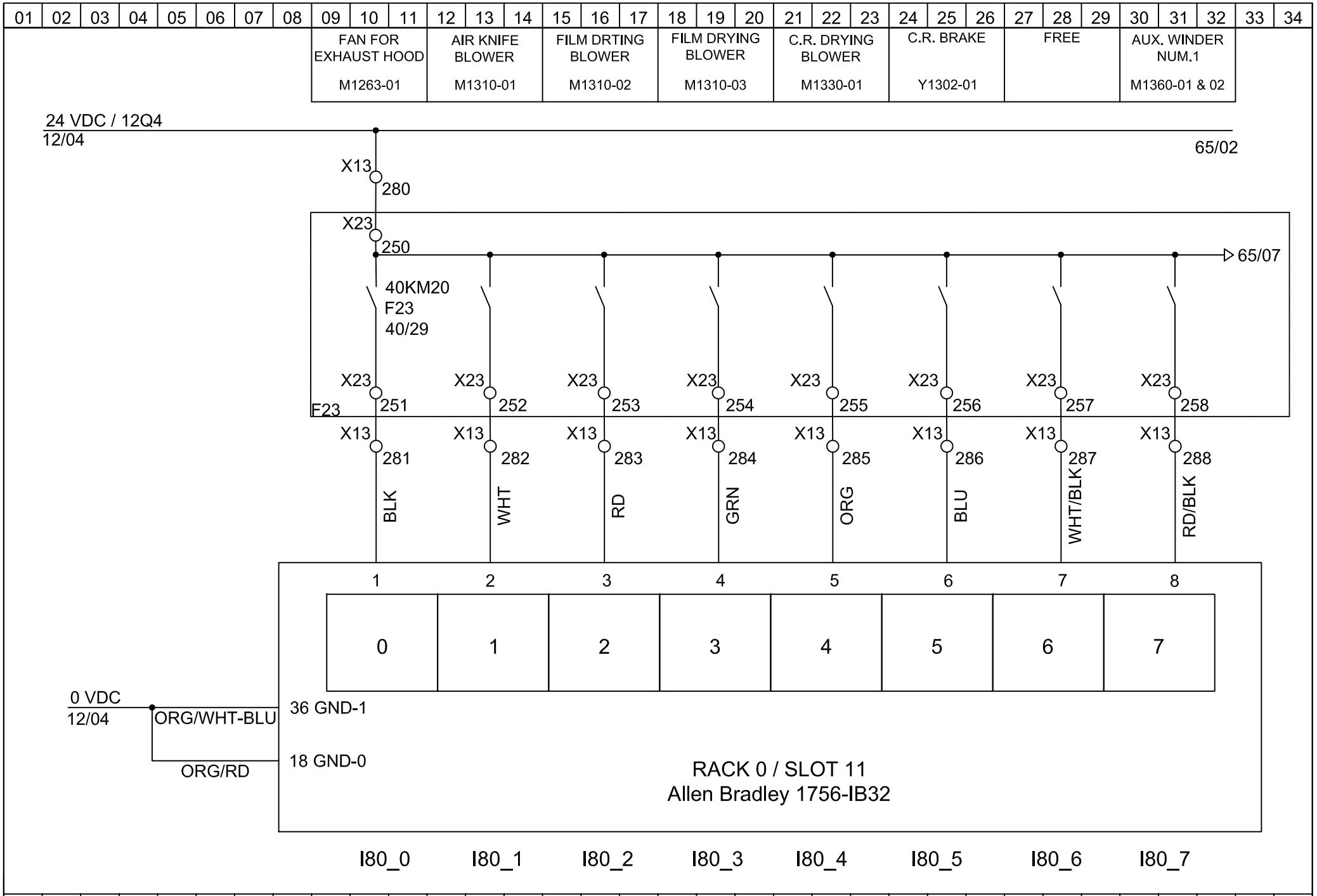
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

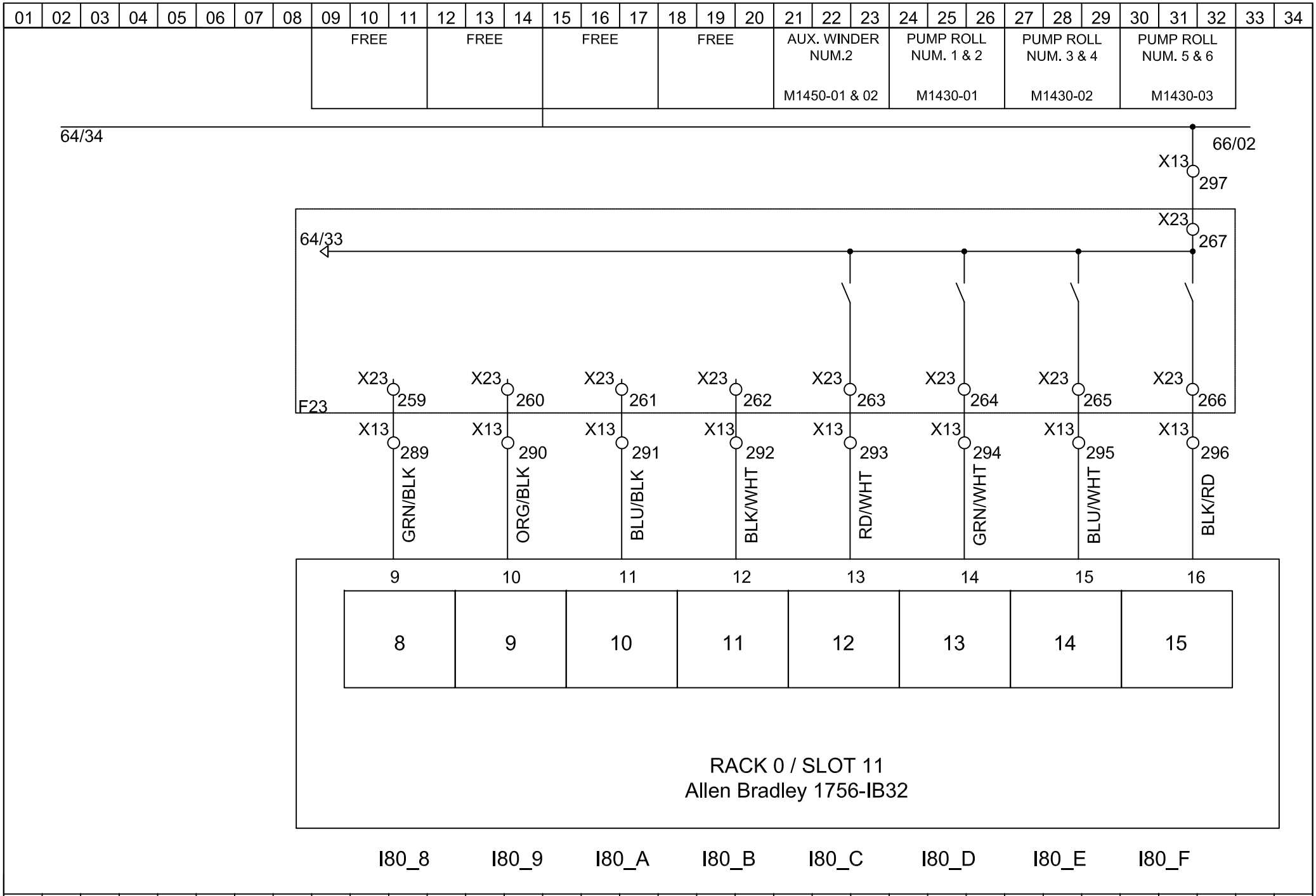
DRAWN BY	
CHECKED BY	

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

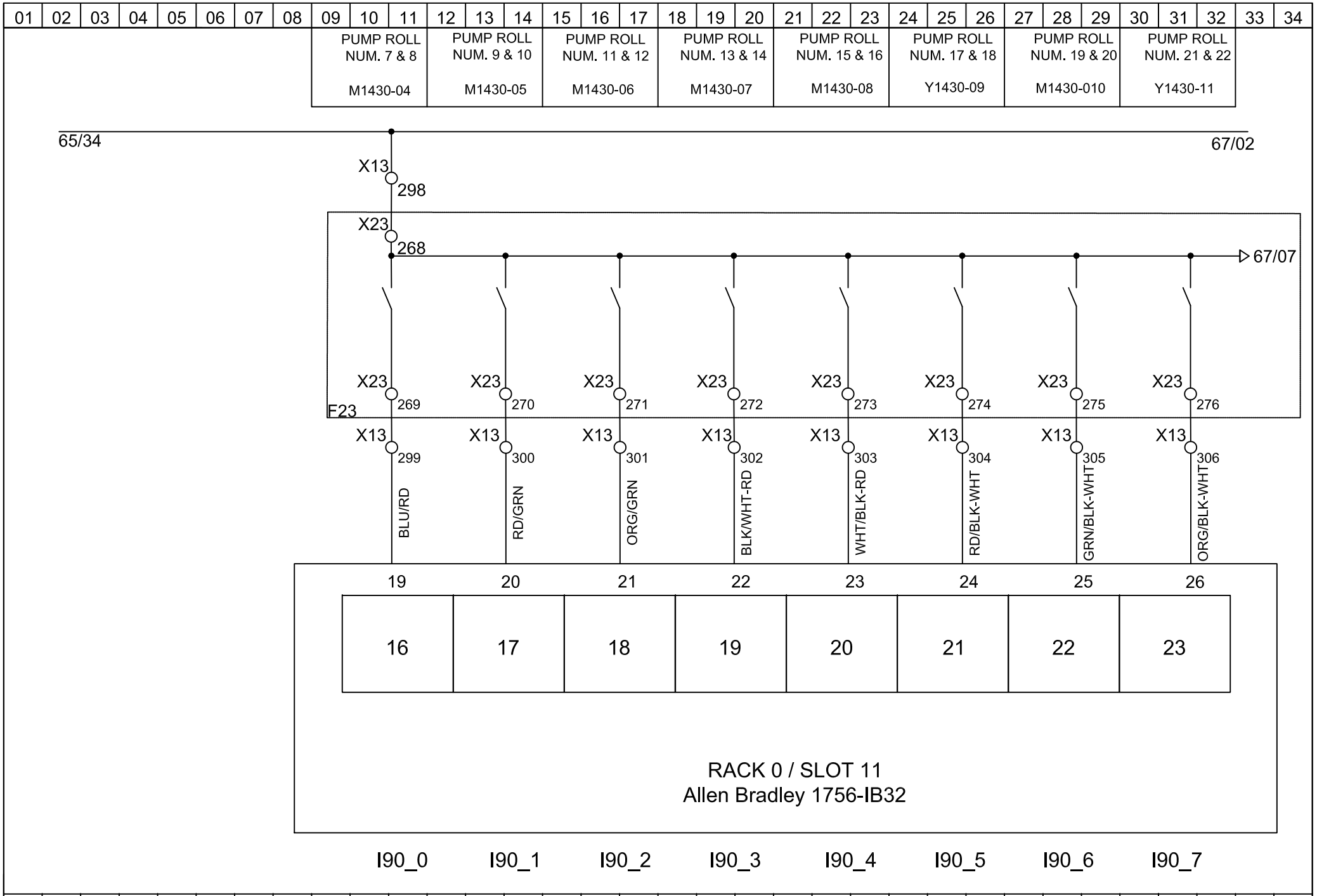
DRAWING DESCRIPTION		Page #	
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	64		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/16/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	65				
								Total					
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/16/2023	DRAWING NO.		MATERIAL					
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM		

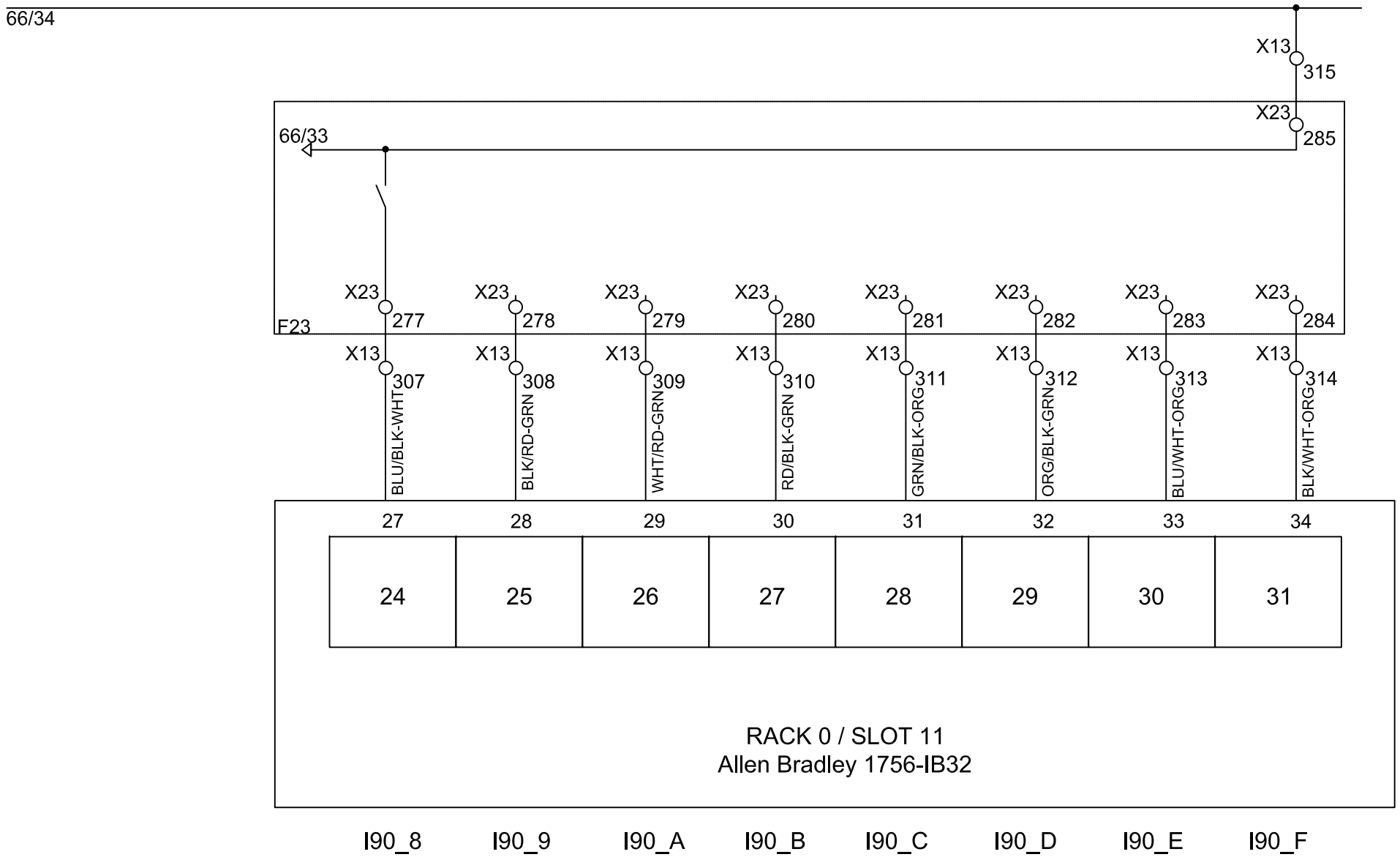


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	66		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/16/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

ONLY XE01

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

PUMP ROLL NUM. 23 & 24 M1430.12	FREE (XE01) SMOOT RESET	FREE (XE01) SMOOT START TO ACCUM	FREE (XE01) SMOOT RESET	FREE (XE01) SMOOT START TO ACCUM	FREE REFEA TO WATER BATH(SR7)	FREE	FREE



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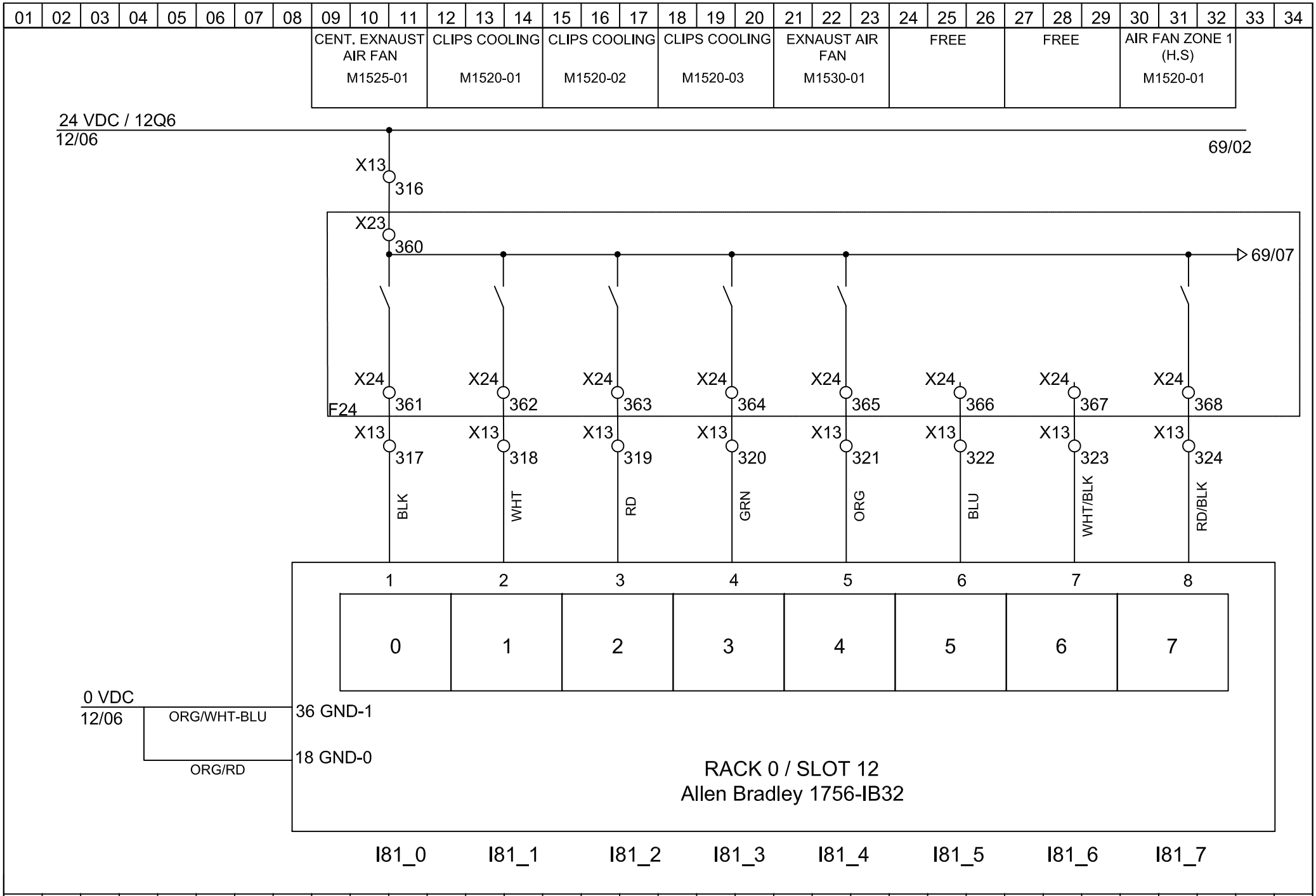
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG

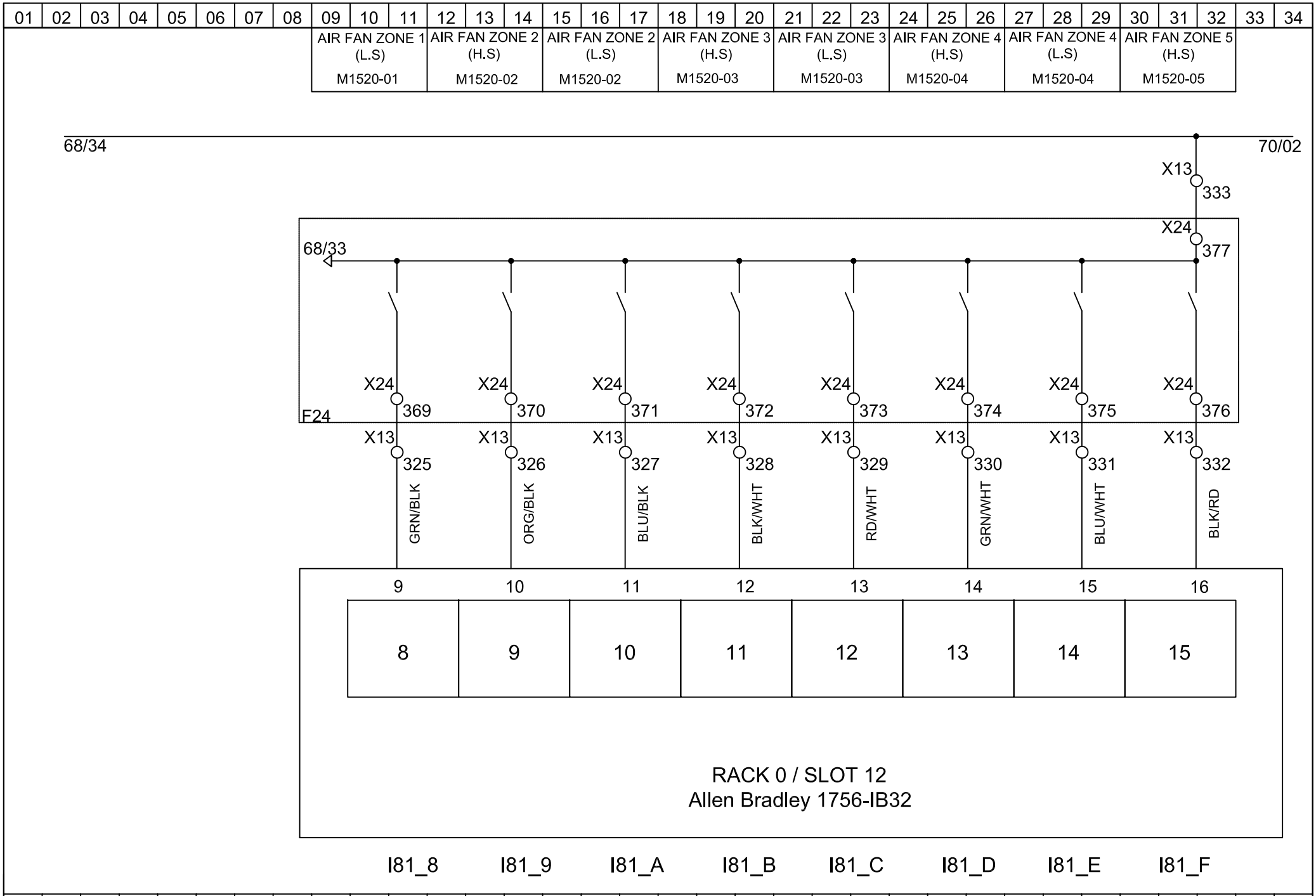
32 P.L.C. DIGITAL INPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	UPGRADE TO AB	Bryan Hong	11/16/2023

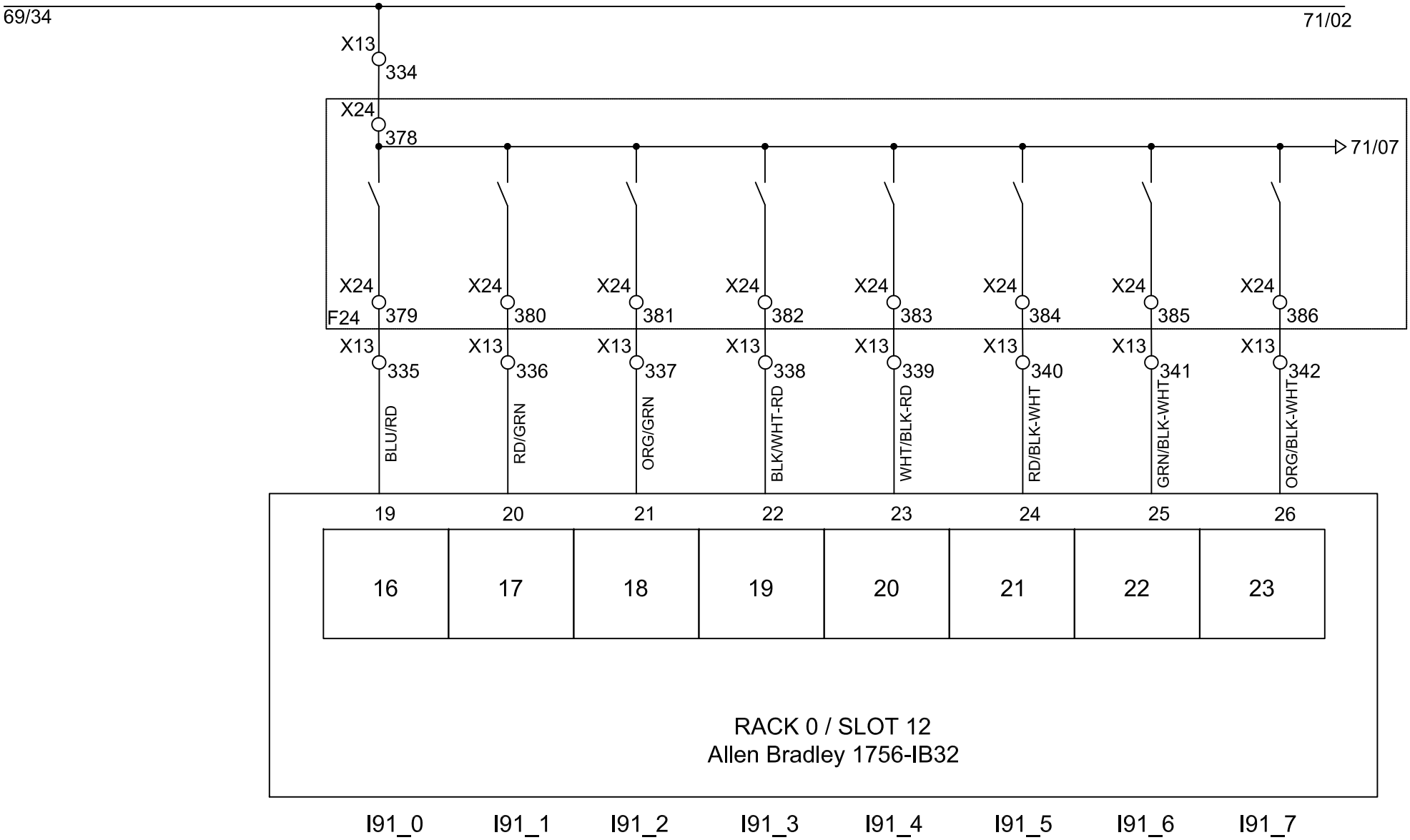
DRAWING DESCRIPTION	KF F13	Page #	67
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	68				
								Total					
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/17/2023	DRAWING NO.		MATERIAL					
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM		


01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
AIR FAN ZONE 1 (L.S) M1520-01
AIR FAN ZONE 2 (H.S) M1520-02
AIR FAN ZONE 2 (L.S) M1520-02
AIR FAN ZONE 3 (H.S) M1520-03
AIR FAN ZONE 3 (L.S) M1520-03
AIR FAN ZONE 4 (H.S) M1520-04
AIR FAN ZONE 4 (L.S) M1520-04
AIR FAN ZONE 5 (H.S) M1520-05
68/34
70/02
X13 333
X24 377
68/33
F24
X24 369 X24 370 X24 371 X24 372 X24 373 X24 374 X24 375 X24 376
X13 325 X13 326 X13 327 X13 328 X13 329 X13 330 X13 331 X13 332
GRN/BLK
ORG/BLK
BLU/BLK
BLK/WHT
RD/WHT
GRN/WHT
BLU/WHT
BLK/RD
9 10 11 12 13 14 15 16
8 9 10 11 12 13 14 15
RACK 0 / SLOT 12
Allen Bradley 1756-IB32
I81_8 I81_9 I81_A I81_B I81_C I81_D I81_E I81_F
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
1 UPGRADE TO AB Bryan Hong 11/17/2023
REV. NO REV. DESCRIPTION REV. BY: REV. DATE
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF F13
Page # 69
Total
MATERIAL
SCALE NONE UNIT MM

AIR FAN ZONE 5 (L.S) M1520-05	AIR FAN ZONE 6 (H.S) M1520-06	AIR FAN ZONE 6 (L.S) M1520-06	AIR FAN ZONE 7 (H.S) M1520-07	AIR FAN ZONE 7 (L.S) M1520-07	AIR FAN ZONE 8 (H.S) M1520-08	AIR FAN ZONE 8 (L.S) M1520-08	AIR FAN ZONE 9 (H.S) M1520-09



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	70	
							Total		
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/17/2023	DRAWING NO.		MATERIAL	
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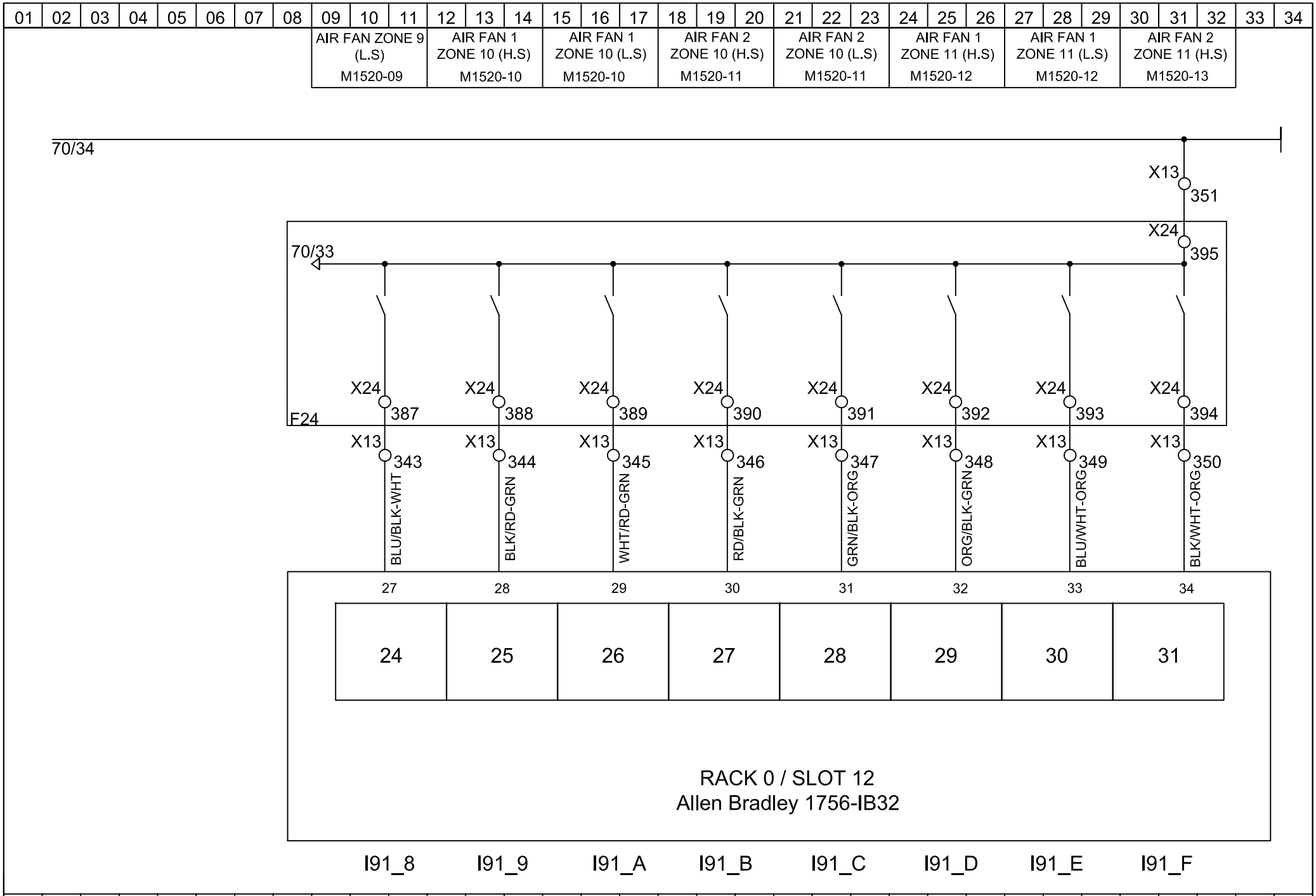

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	71			
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DRAWN BY JEFF LEE		1	UPGRADE TO AB	Bryan Hong	11/17/2023	DRAWING NO.	MATERIAL				
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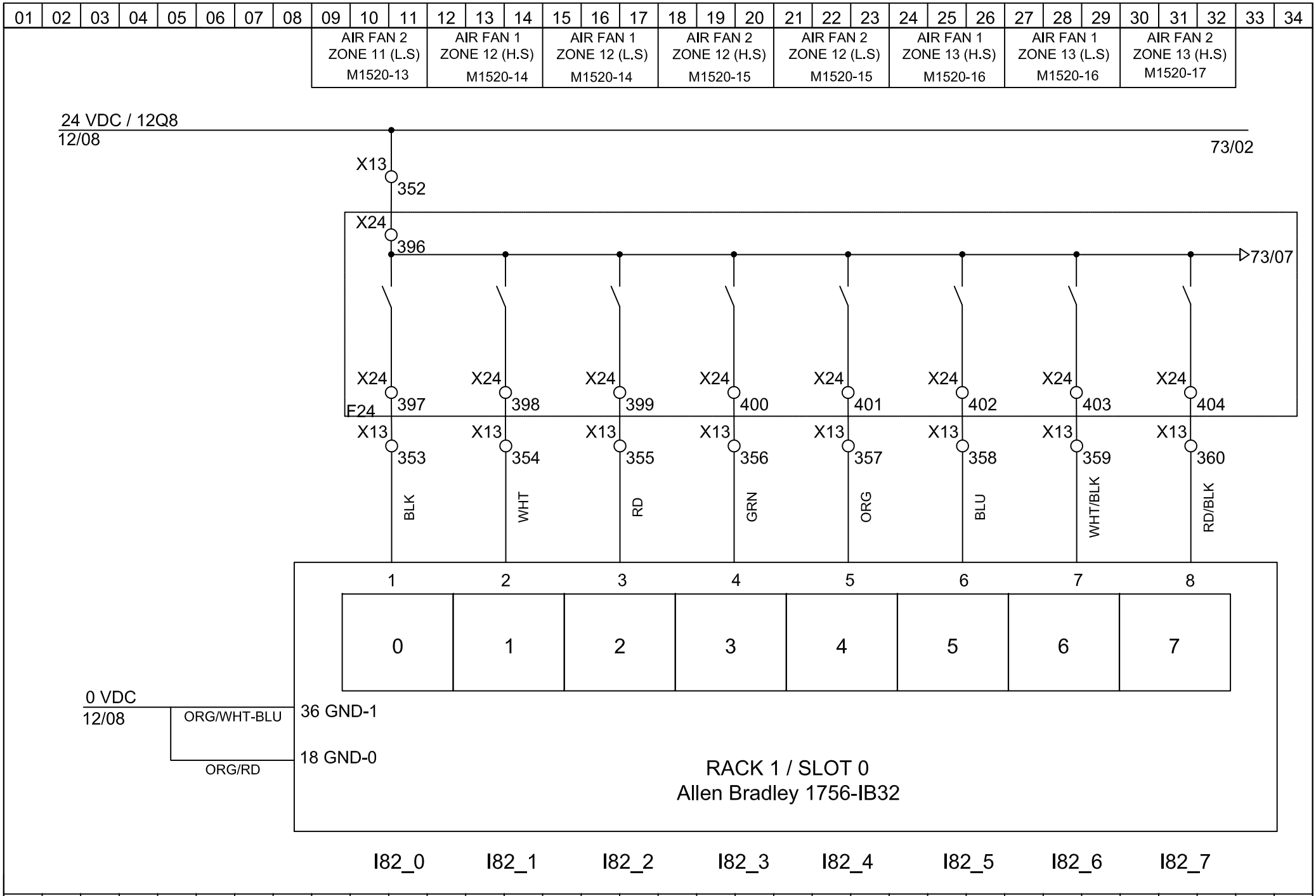

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	72		
								Total			
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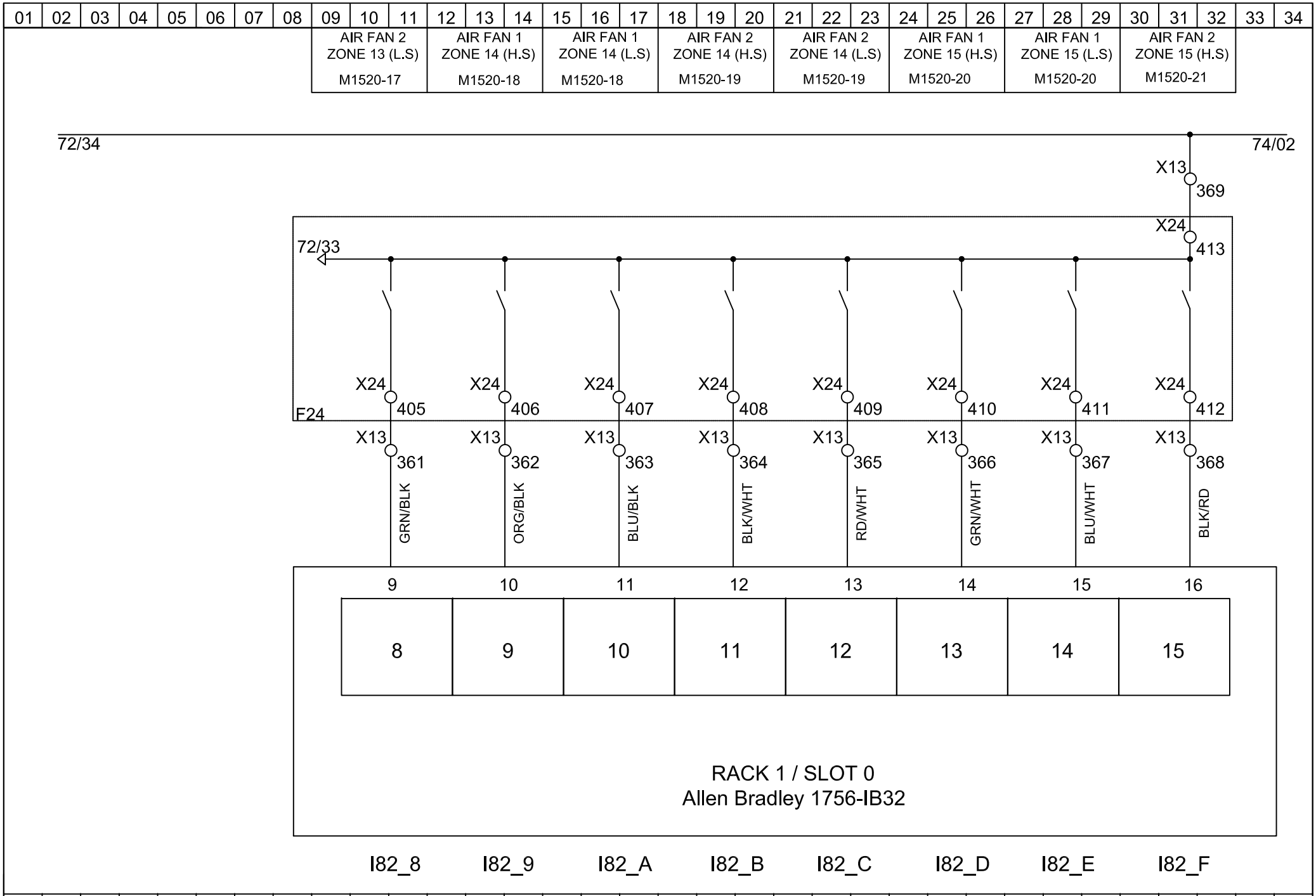
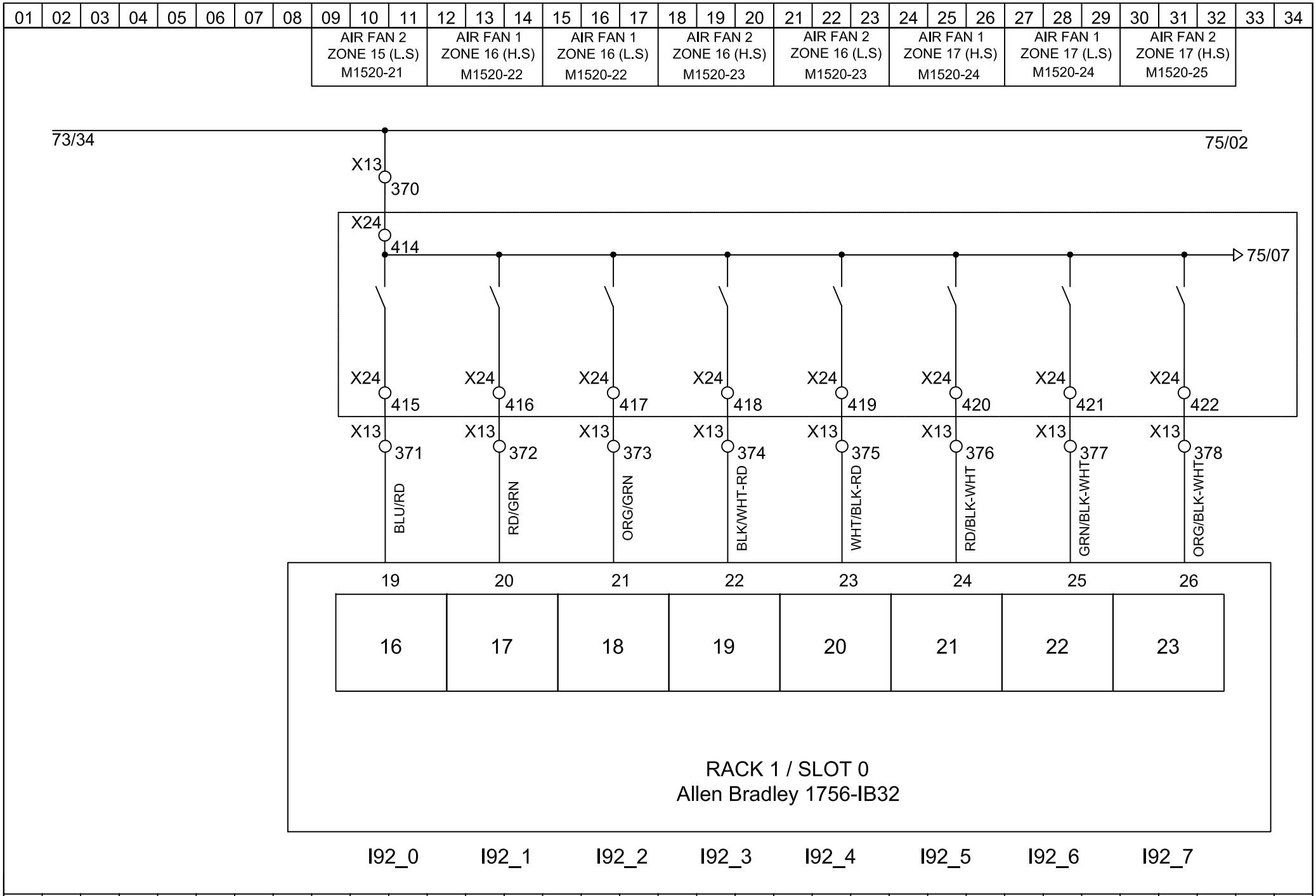

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
AIR FAN 2 ZONE 13 (L.S) M1520-17
AIR FAN 1 ZONE 14 (H.S) M1520-18
AIR FAN 1 ZONE 14 (L.S) M1520-18
AIR FAN 2 ZONE 14 (H.S) M1520-19
AIR FAN 2 ZONE 14 (L.S) M1520-19
AIR FAN 1 ZONE 15 (H.S) M1520-20
AIR FAN 1 ZONE 15 (L.S) M1520-20
AIR FAN 2 ZONE 15 (H.S) M1520-21
72/34
74/02
X13 369
X24 413
72/33
X24 405 X24 406 X24 407 X24 408 X24 409 X24 410 X24 411 X24 412
F24
X13 361 X13 362 X13 363 X13 364 X13 365 X13 366 X13 367 X13 368
GRN/BLK
ORG/BLK
BLU/BLK
BLK/WHT
RD/WHT
GRN/WHT
BLU/WHT
BLK/RD
9 10 11 12 13 14 15 16
8 9 10 11 12 13 14 15
RACK 1 / SLOT 0
Allen Bradley 1756-IB32
I82_8 I82_9 I82_A I82_B I82_C I82_D I82_E I82_F
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
1 UPGRADE TO AB Bryan Hong 11/17/2023
REV. NO REV. DESCRIPTION REV. BY: REV. DATE
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF F13
Page # 73
Total
MATERIAL
SCALE NONE UNIT MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	74		
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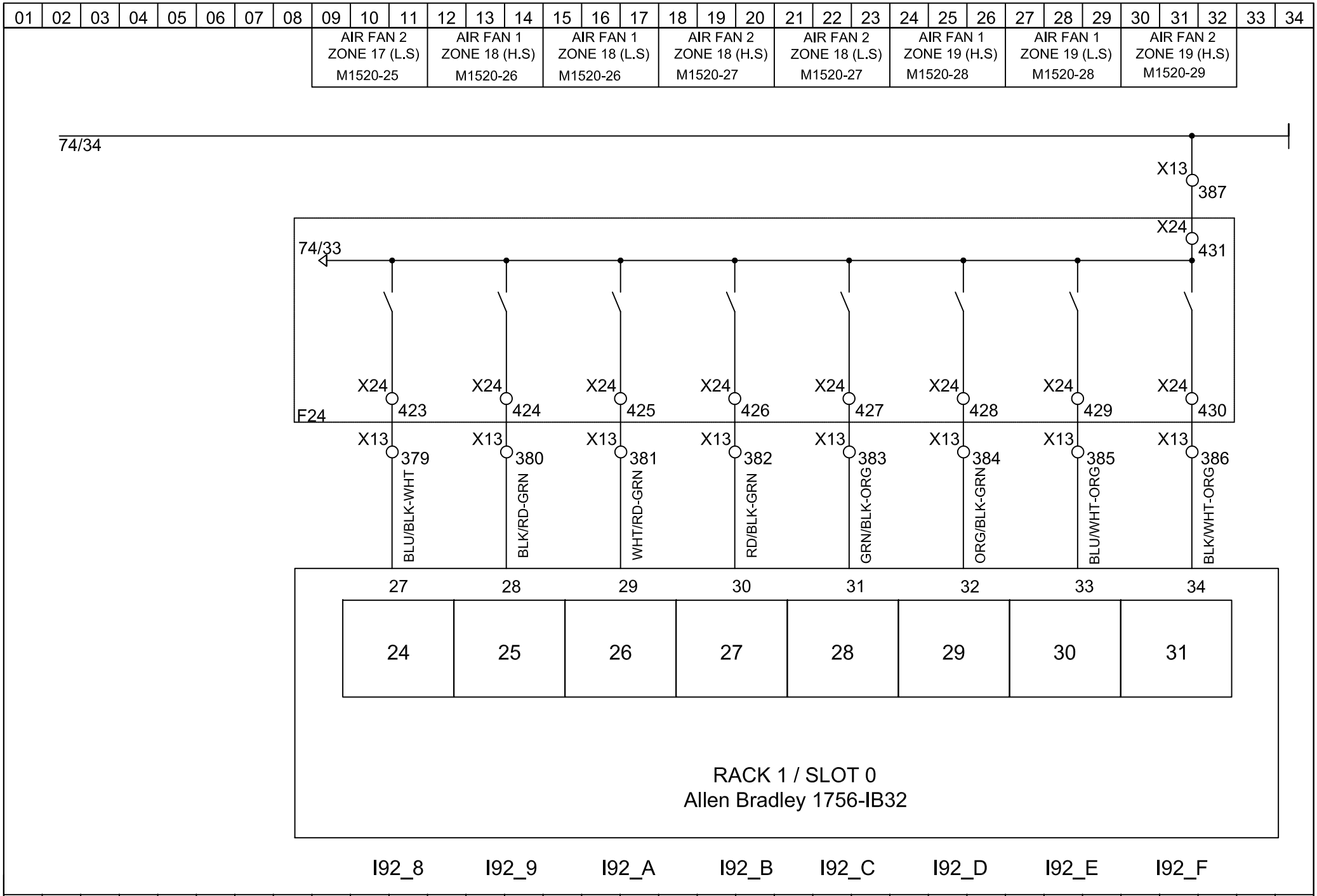

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	75		
							Total			
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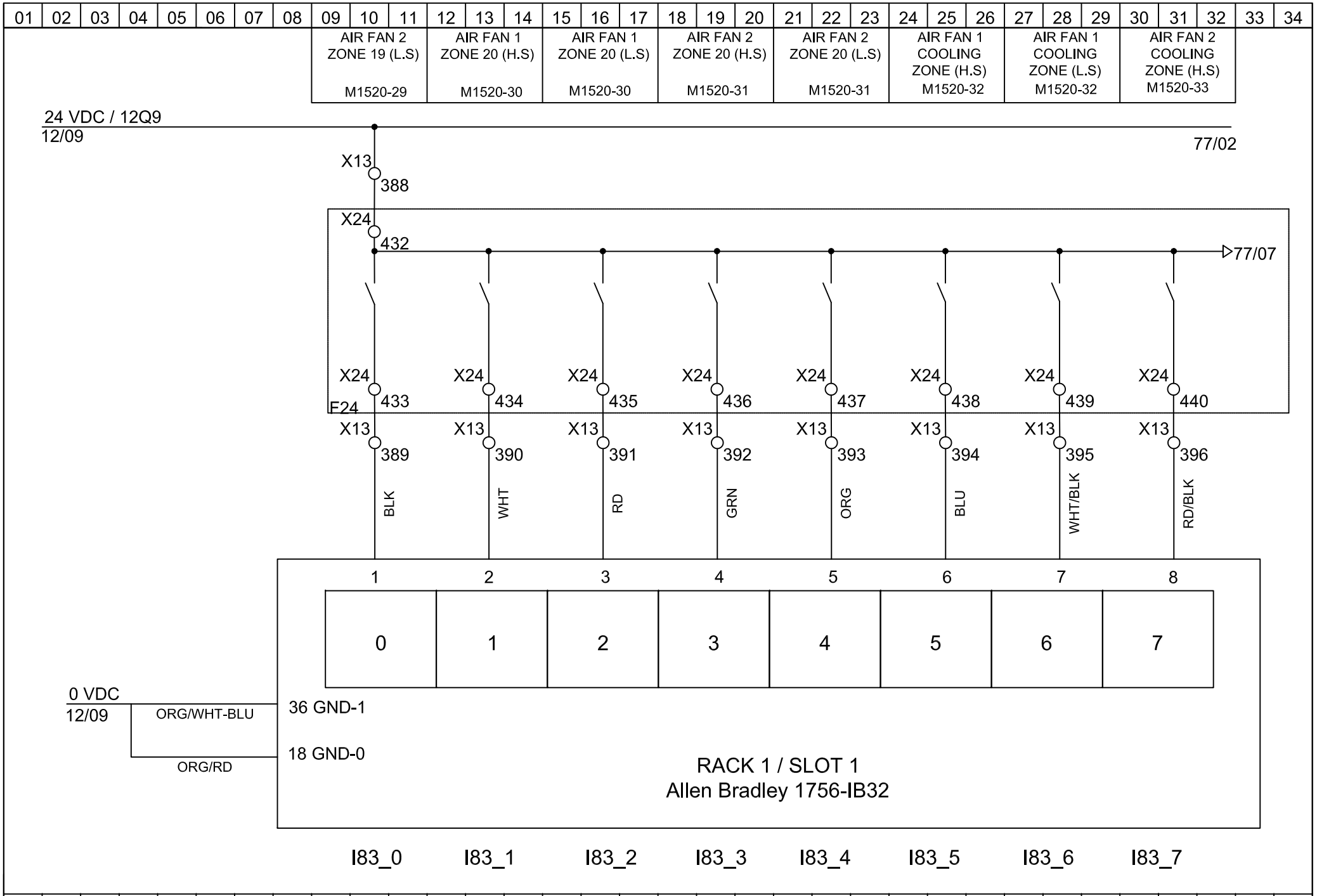

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	76				
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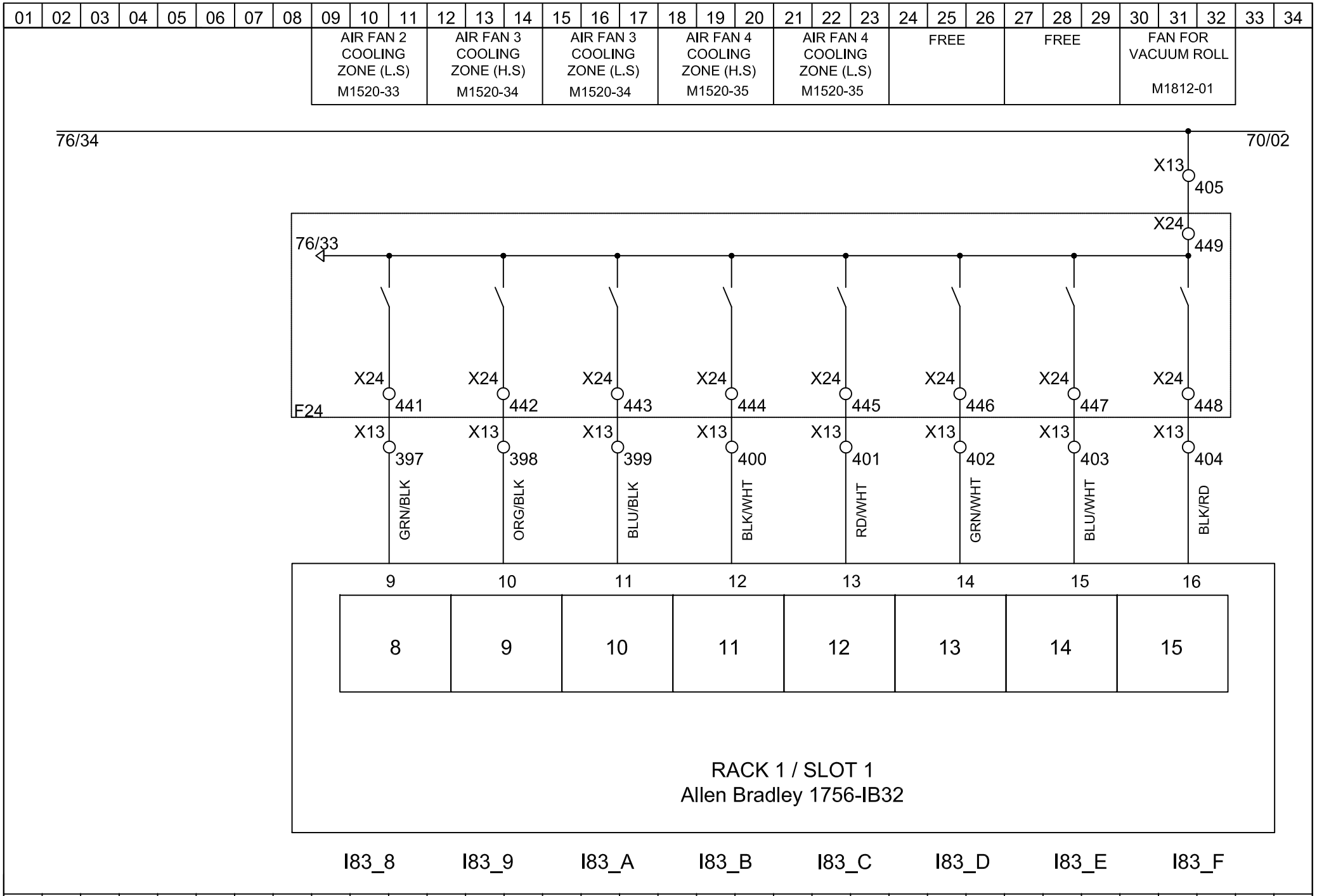

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	77		
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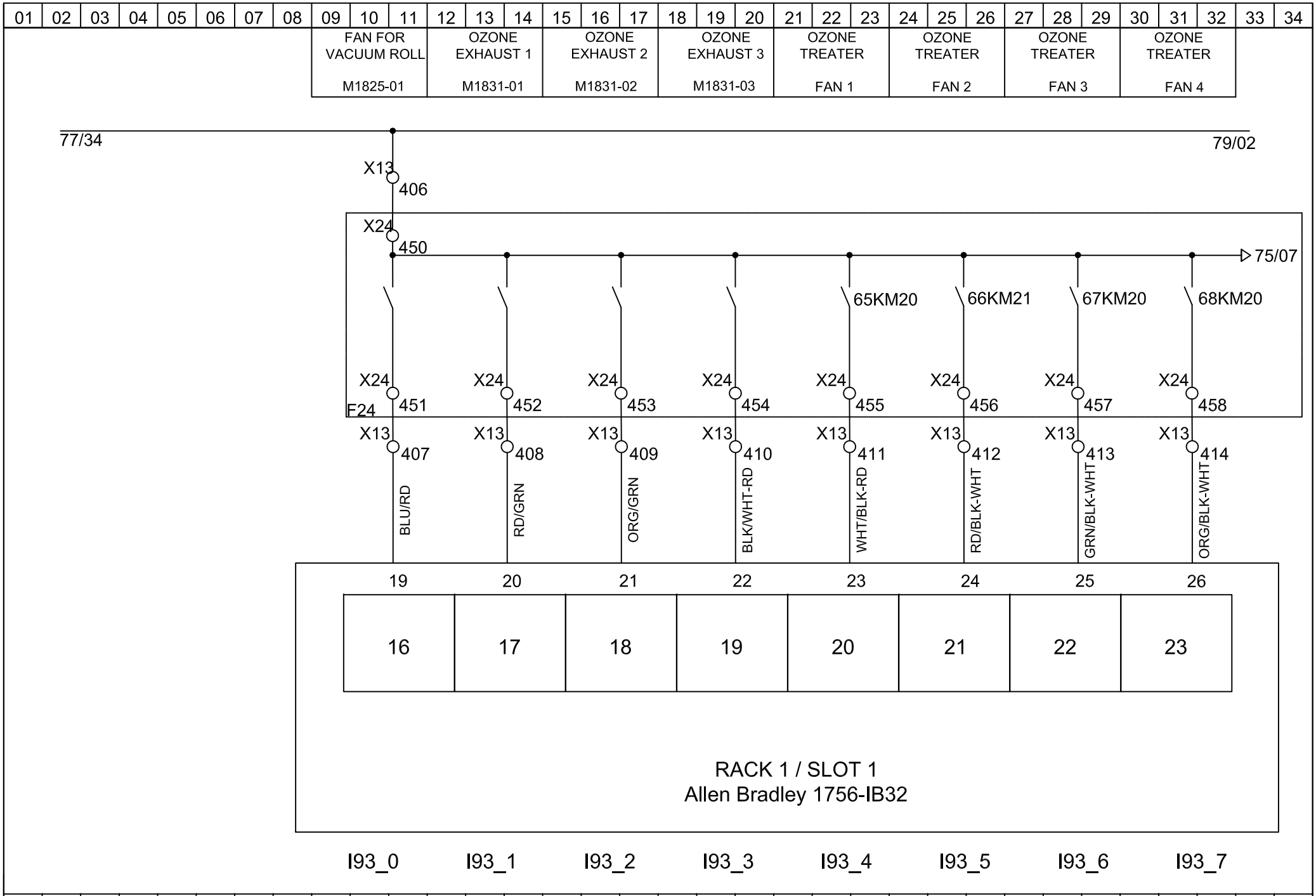

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	78			
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CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

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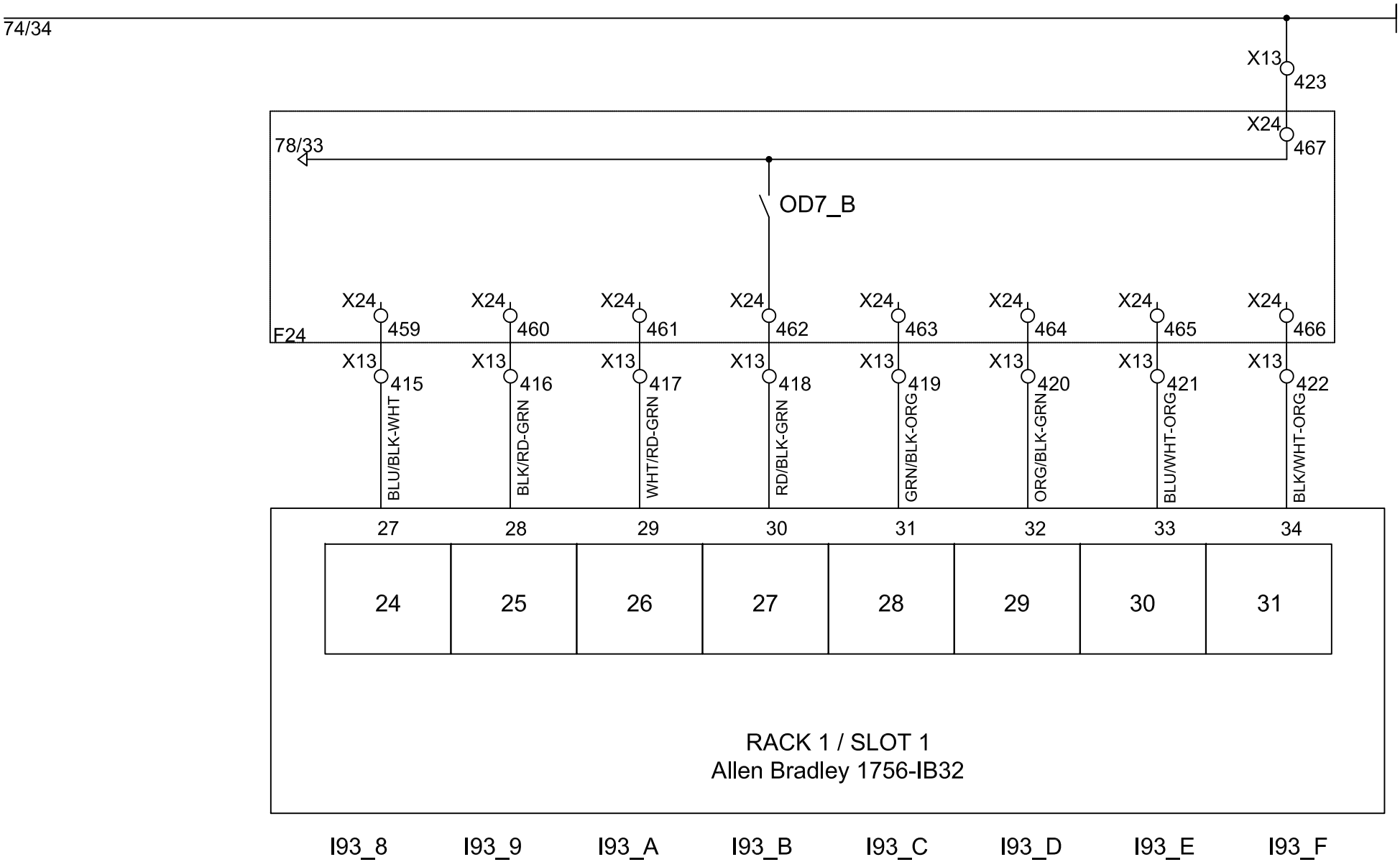
								FREE			FREE			FREE			CHAIN TENSION M1515-01			FREE			FREE			FREE			FREE				



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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	79			
								Total				
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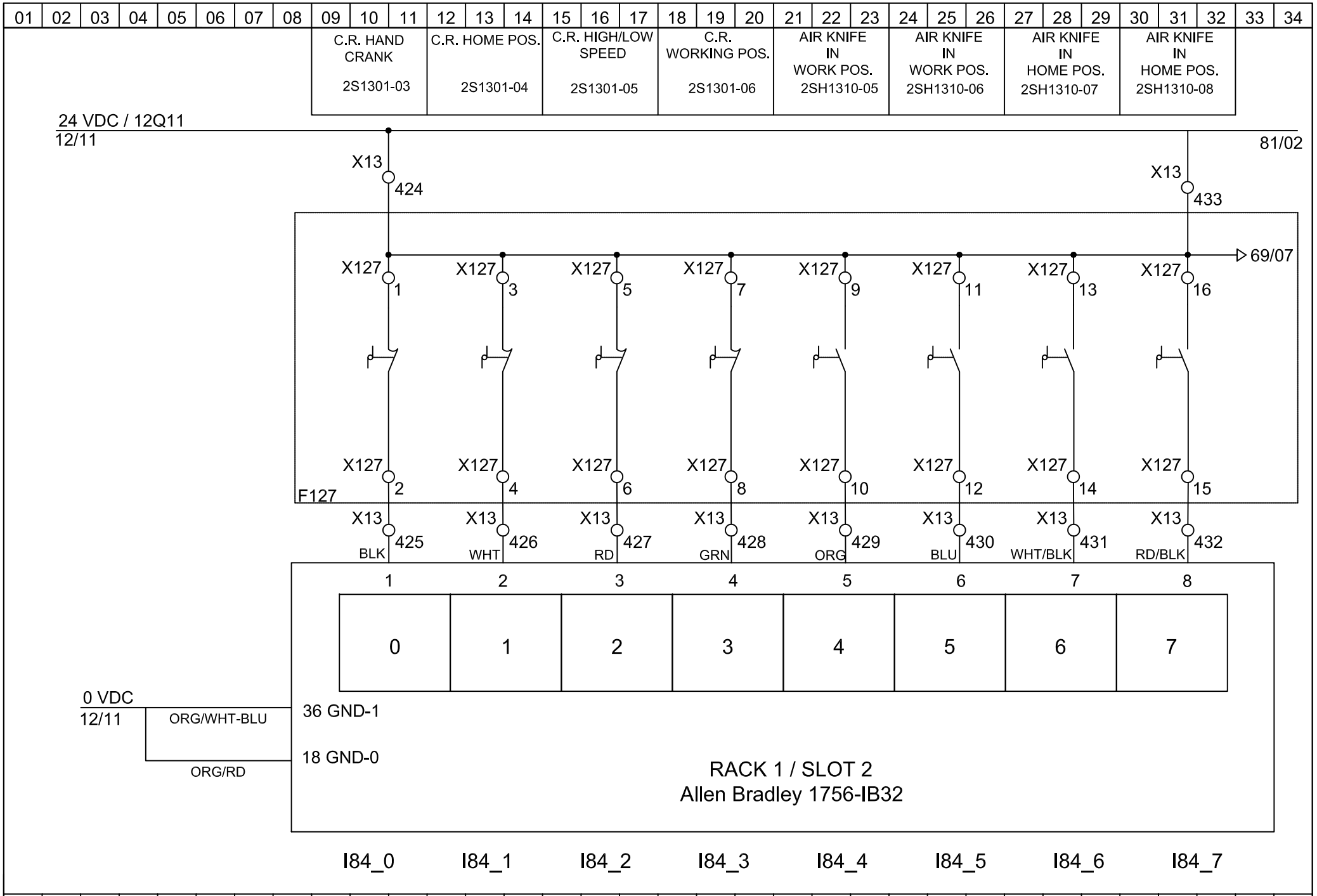

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	80		
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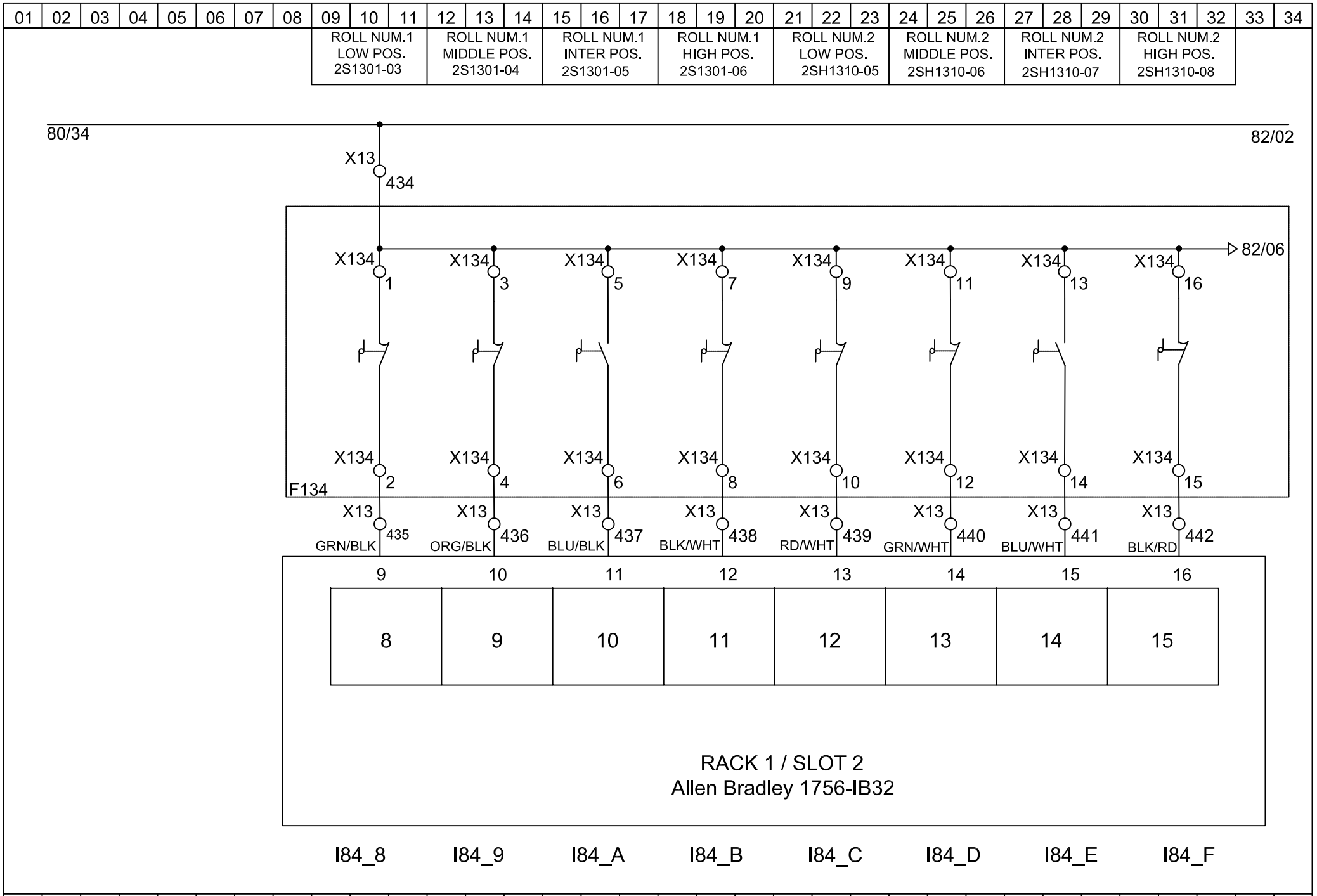
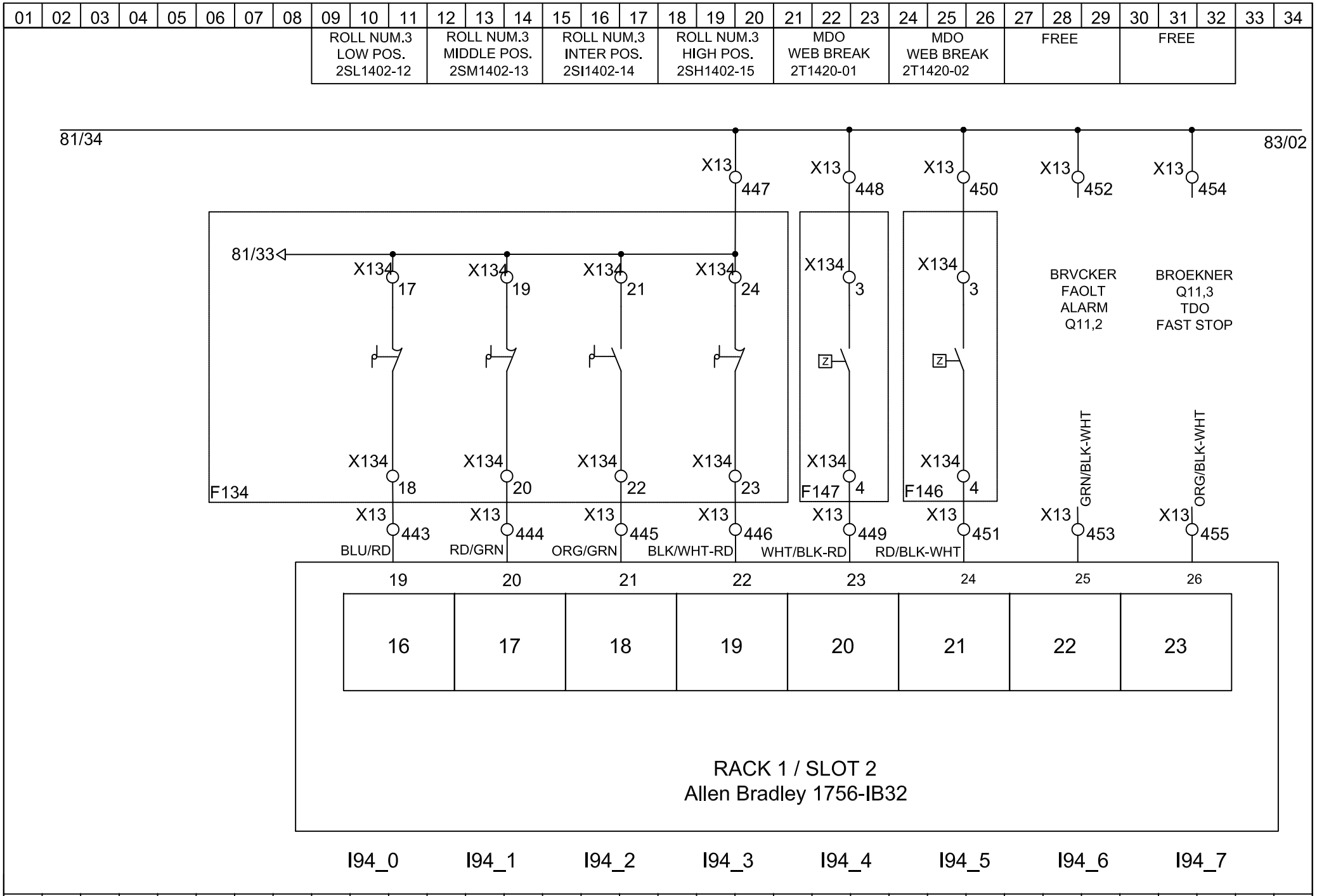

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
ROLL NUM.1 LOW POS. 2S1301-03
ROLL NUM.1 MIDDLE POS. 2S1301-04
ROLL NUM.1 INTER POS. 2S1301-05
ROLL NUM.1 HIGH POS. 2S1301-06
ROLL NUM.2 LOW POS. 2SH1310-05
ROLL NUM.2 MIDDLE POS. 2SH1310-06
ROLL NUM.2 INTER POS. 2SH1310-07
ROLL NUM.2 HIGH POS. 2SH1310-08
80/34
82/02
X13
434
X134
1
3
5
7
9
11
13
16
82/06
2
4
6
8
10
12
14
15
F134
X13
435
436
437
438
439
440
441
442
GRN/BLK
ORG/BLK
BLU/BLK
BLK/WHT
RD/WHT
GRN/WHT
BLU/WHT
BLK/RD
9 10 11 12 13 14 15 16
8 9 10 11 12 13 14 15
RACK 1 / SLOT 2
Allen Bradley 1756-IB32
I84_8
I84_9
I84_A
I84_B
I84_C
I84_D
I84_E
I84_F
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
32 P.L.C. DIGITAL INPUT
REV. NO 1
REV. DESCRIPTION UPGRADE TO AB
REV. BY: Bryan Hong
REV. DATE 11/21/2023
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF
F13
Page # 81
Total
MATERIAL
SCALE NONE
UNIT MM



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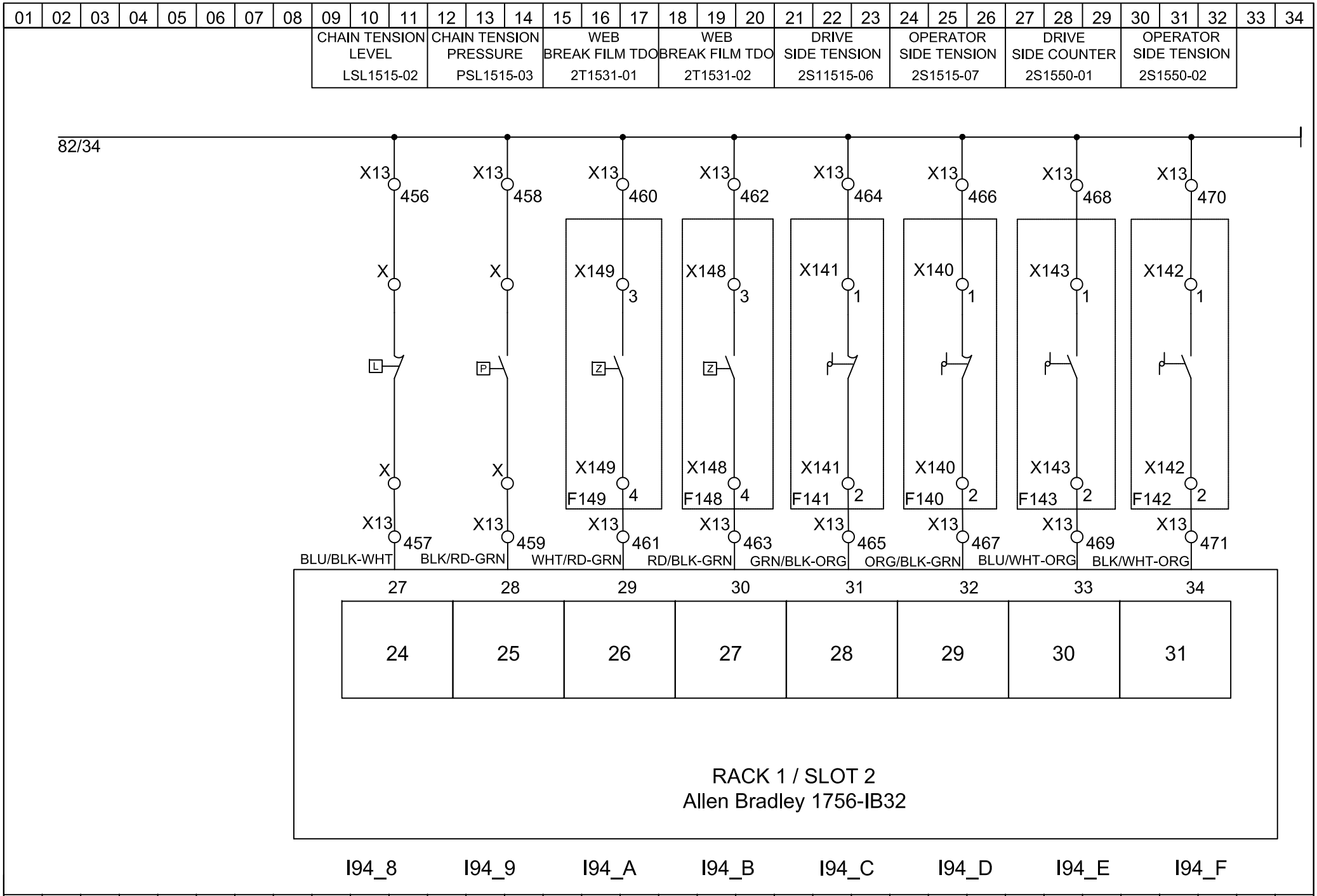
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
CHAIN TENSION LEVEL LSL1515-02
CHAIN TENSION PRESSURE PSL1515-03
WEB BREAK FILM TDO 2T1531-01
WEB BREAK FILM TDO 2T1531-02
DRIVE SIDE TENSION 2S11515-06
OPERATOR SIDE TENSION 2S1515-07
DRIVE SIDE COUNTER 2S1550-01
OPERATOR SIDE TENSION 2S1550-02
82/34
X13 456 X13 458 X13 460 X13 462 X13 464 X13 466 X13 468 X13 470
X X X149 3 X148 3 X141 1 X140 1 X143 1 X142 1
L P Z Z
X X X149 4 F149 X148 4 F148 X141 2 F141 X140 2 F140 X143 2 F143 X142 2 F142
X13 457 X13 459 X13 461 X13 463 X13 465 X13 467 X13 469 X13 471
BLU/BLK-WHT BLK/RD-GRN WHT/RD-GRN RD/BLK-GRN GRN/BLK-ORG ORG/BLK-GRN BLU/WHT-ORG BLK/WHT-ORG
27 28 29 30 31 32 33 34
24 25 26 27 28 29 30 31
RACK 1 / SLOT 2
Allen Bradley 1756-IB32
I94_8 I94_9 I94_A I94_B I94_C I94_D I94_E I94_F
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
1 UPGRADE TO AB Bryan Hong 11/21/2023
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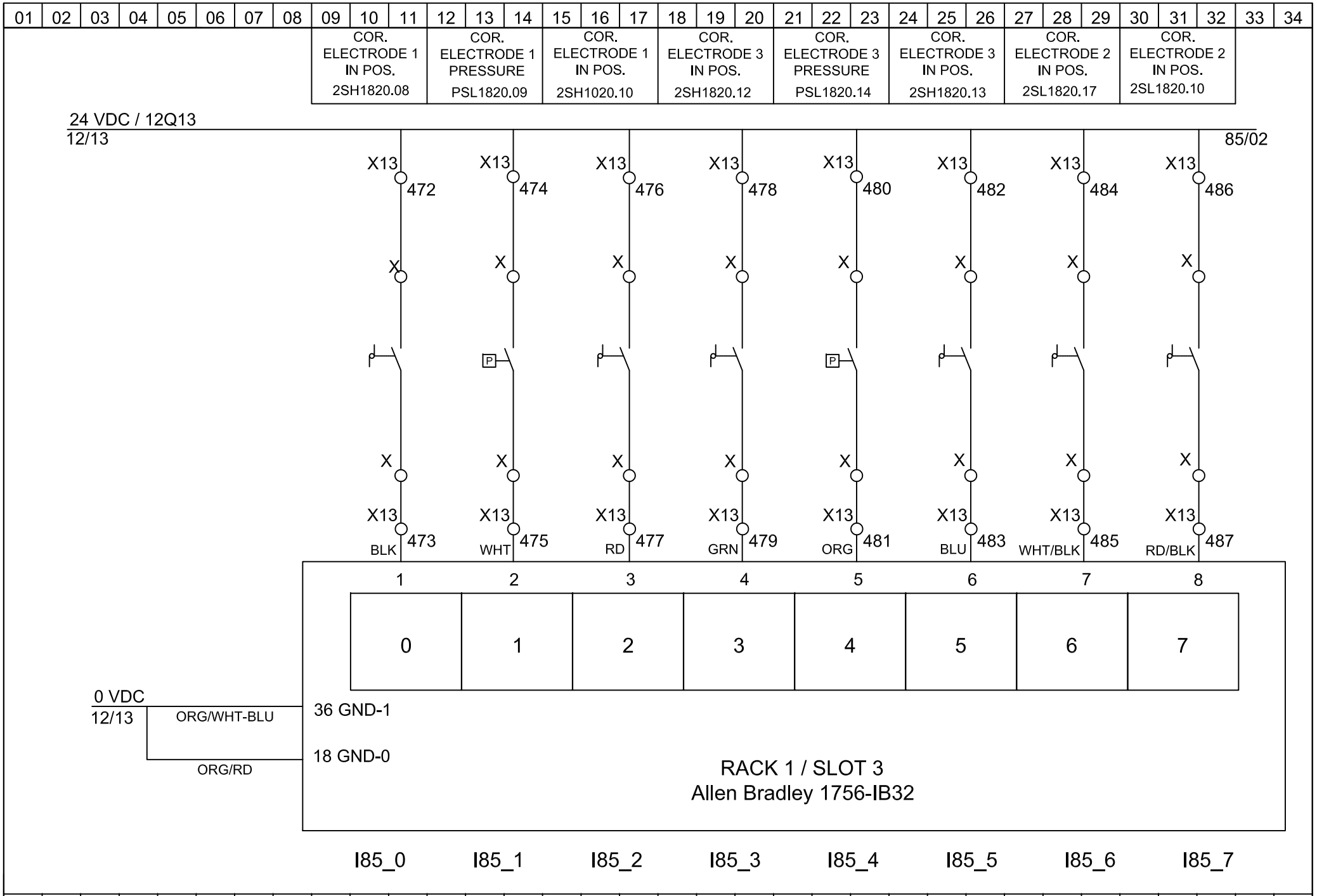
DRAWING NO.
DRAWN DATE: 03-03-2014
KF F13
Page # 83
Total
MATERIAL
SCALE NONE UNIT MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	84		
								Total			
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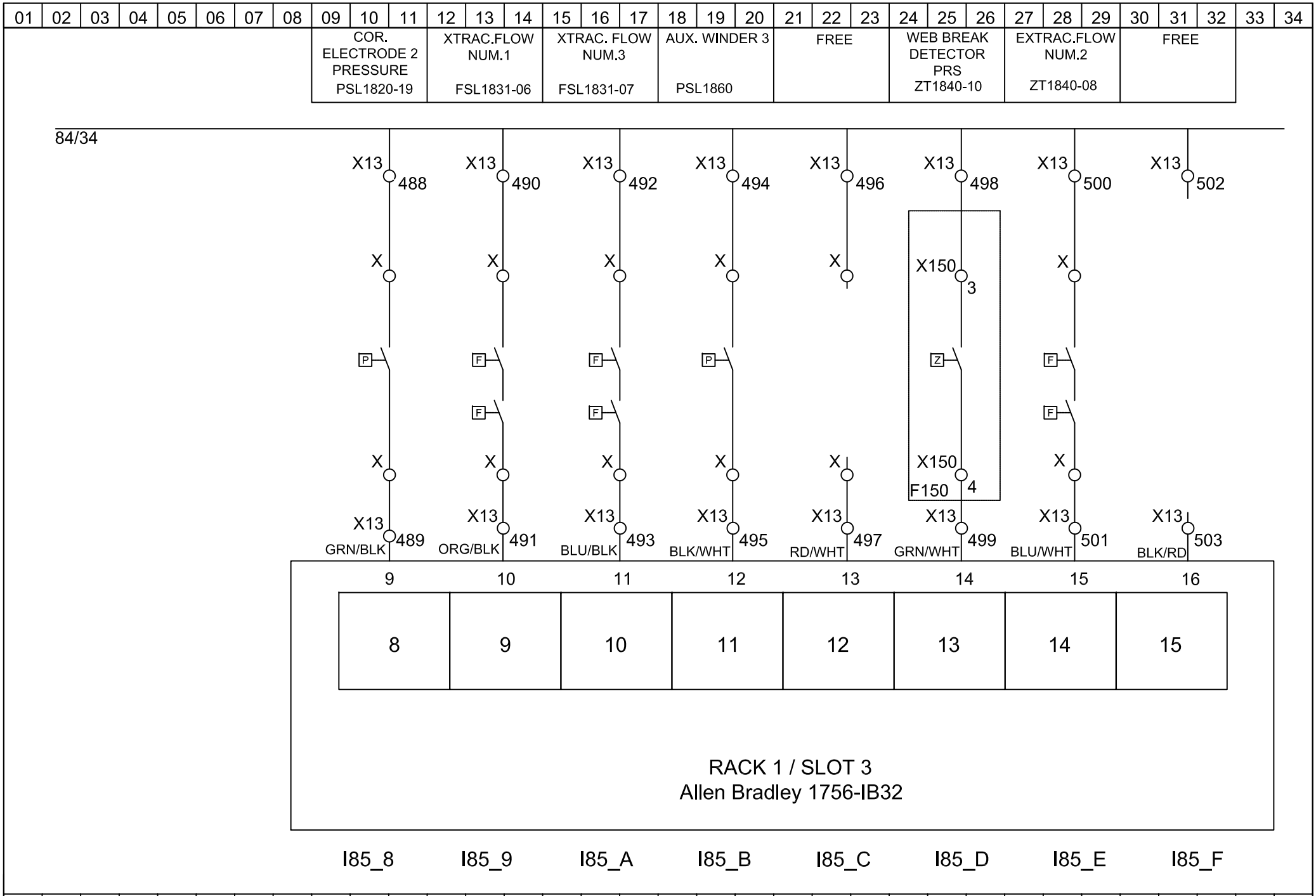

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	85			
							Total				
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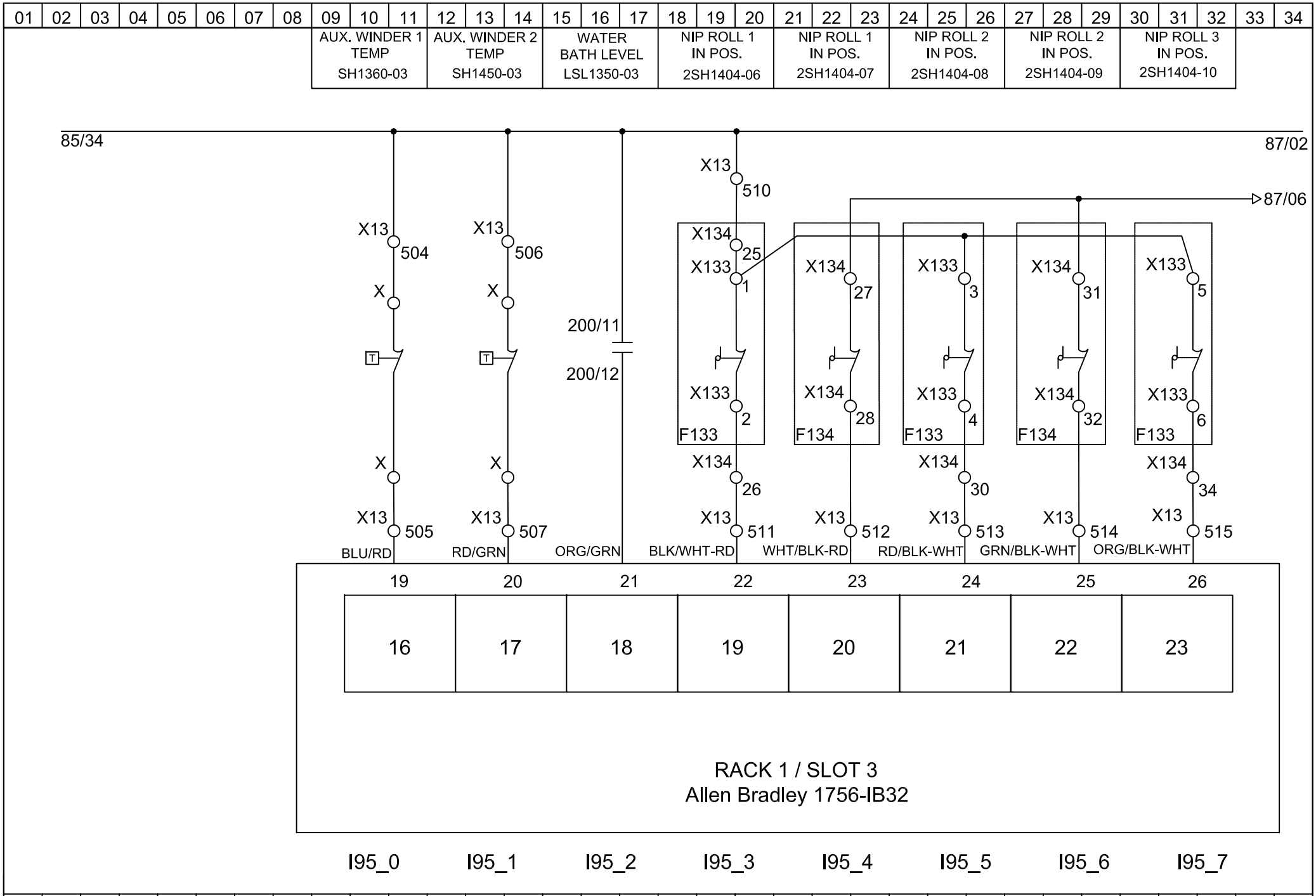

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	86		
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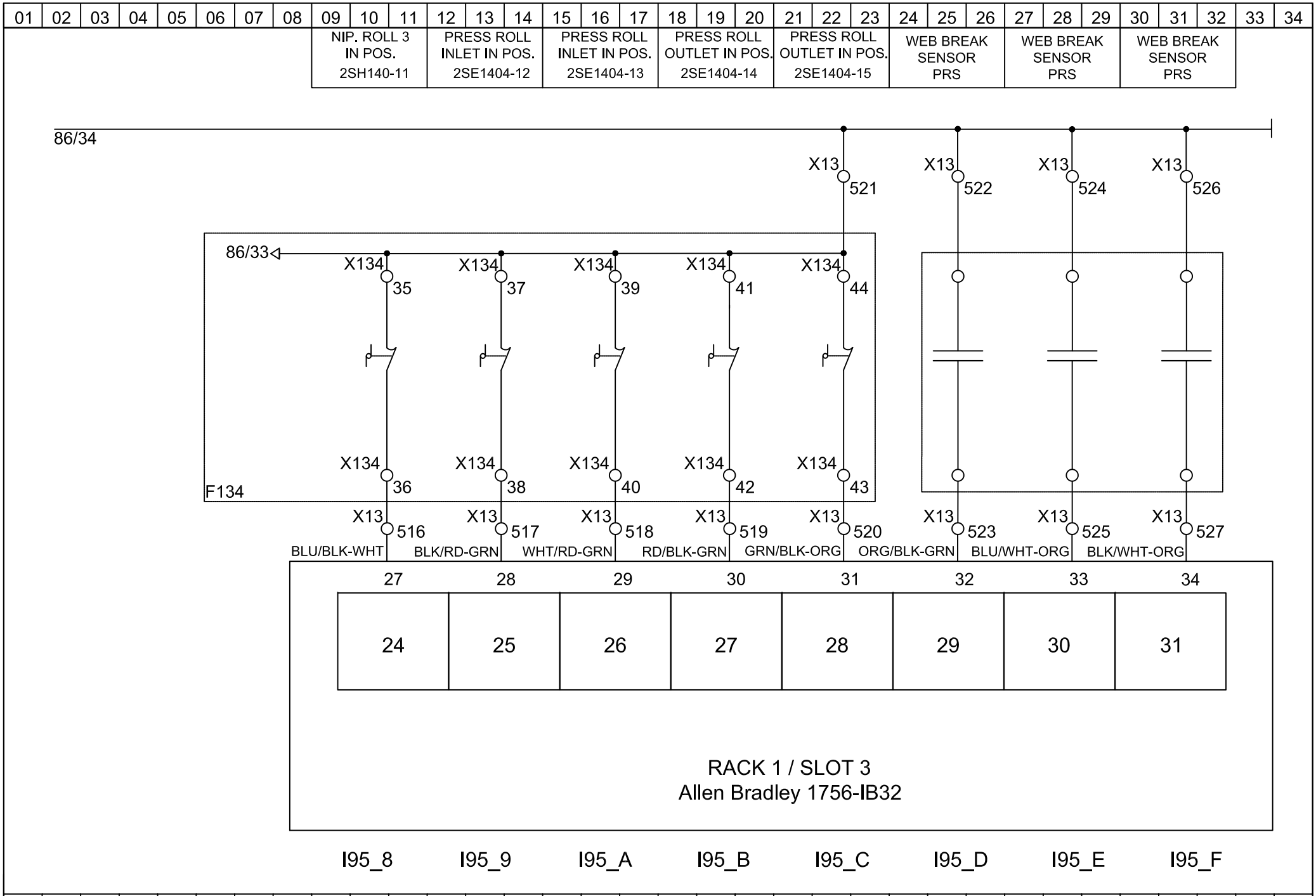

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	87		
								Total			
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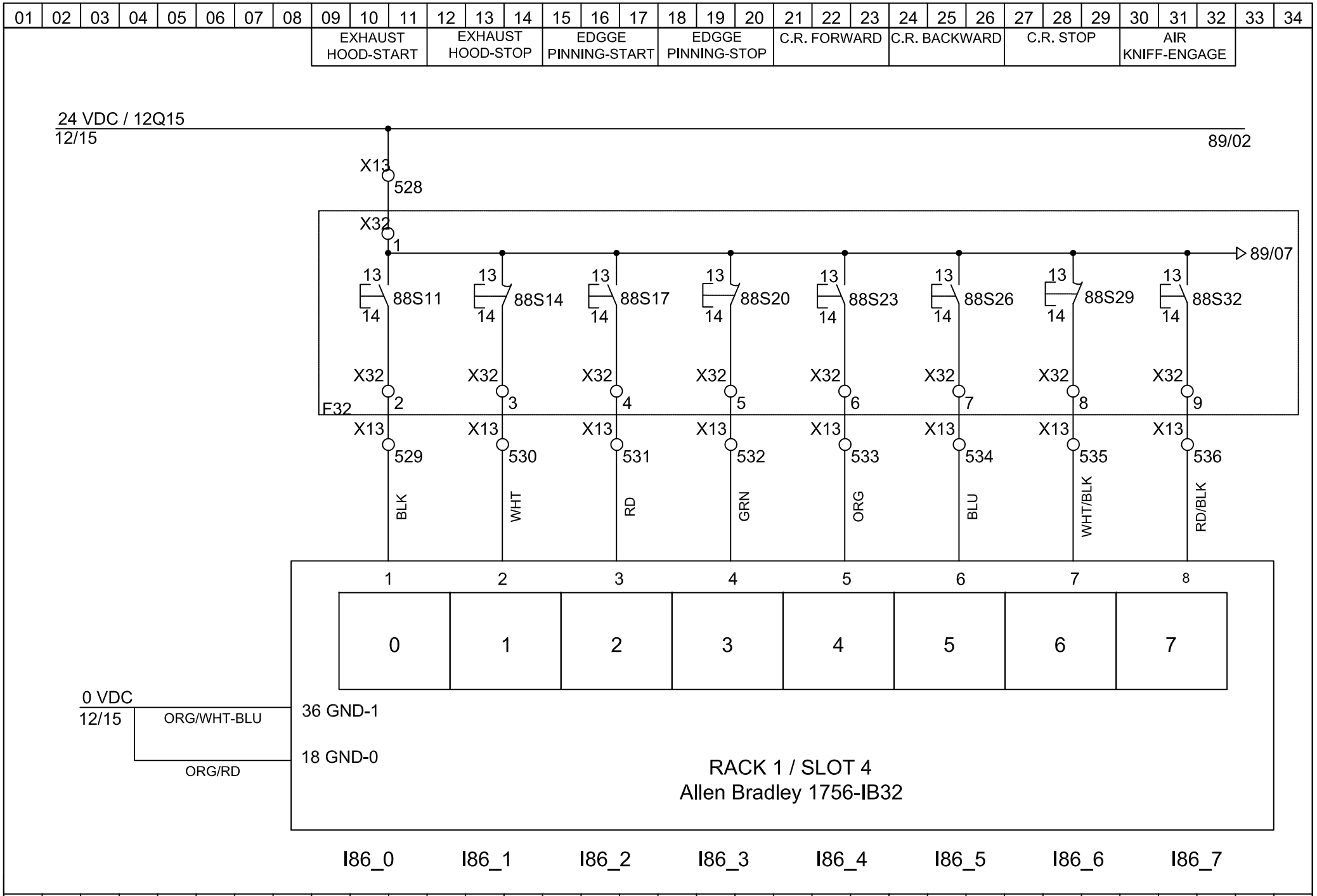
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM


01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
EXHAUST HOOD-START
EXHAUST HOOD-STOP
EDGGE PINNING-START
EDGGE PINNING-STOP
C.R. FORWARD
C.R. BACKWARD
C.R. STOP
AIR KNIFF-ENGAGE
24 VDC / 12Q15
12/15
89/02
X13
528
X32
1
89/07
88S11
88S14
88S17
88S20
88S23
88S26
88S29
88S32
13
14
X32
2
3
4
5
6
7
8
9
F32
X13
529
530
531
532
533
534
535
536
BLK
WHT
RD
GRN
ORG
BLU
WHT/BLK
RD/BLK
1 2 3 4 5 6 7 8
0 1 2 3 4 5 6 7
0 VDC
12/15
ORG/WHT-BLU
ORG/RD
36 GND-1
18 GND-0
RACK 1 / SLOT 4
Allen Bradley 1756-IB32
I86_0
I86_1
I86_2
I86_3
I86_4
I86_5
I86_6
I86_7
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY
JEFF LEE
CHECKED BY
VINCENT HUANG
REV. NO
REV. DESCRIPTION
REV. BY:
REV. DATE
1
UPGRADE TO AB
Bryan Hong
11/22/2023
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE:
03-03-2014
KF
F13
Page #
88
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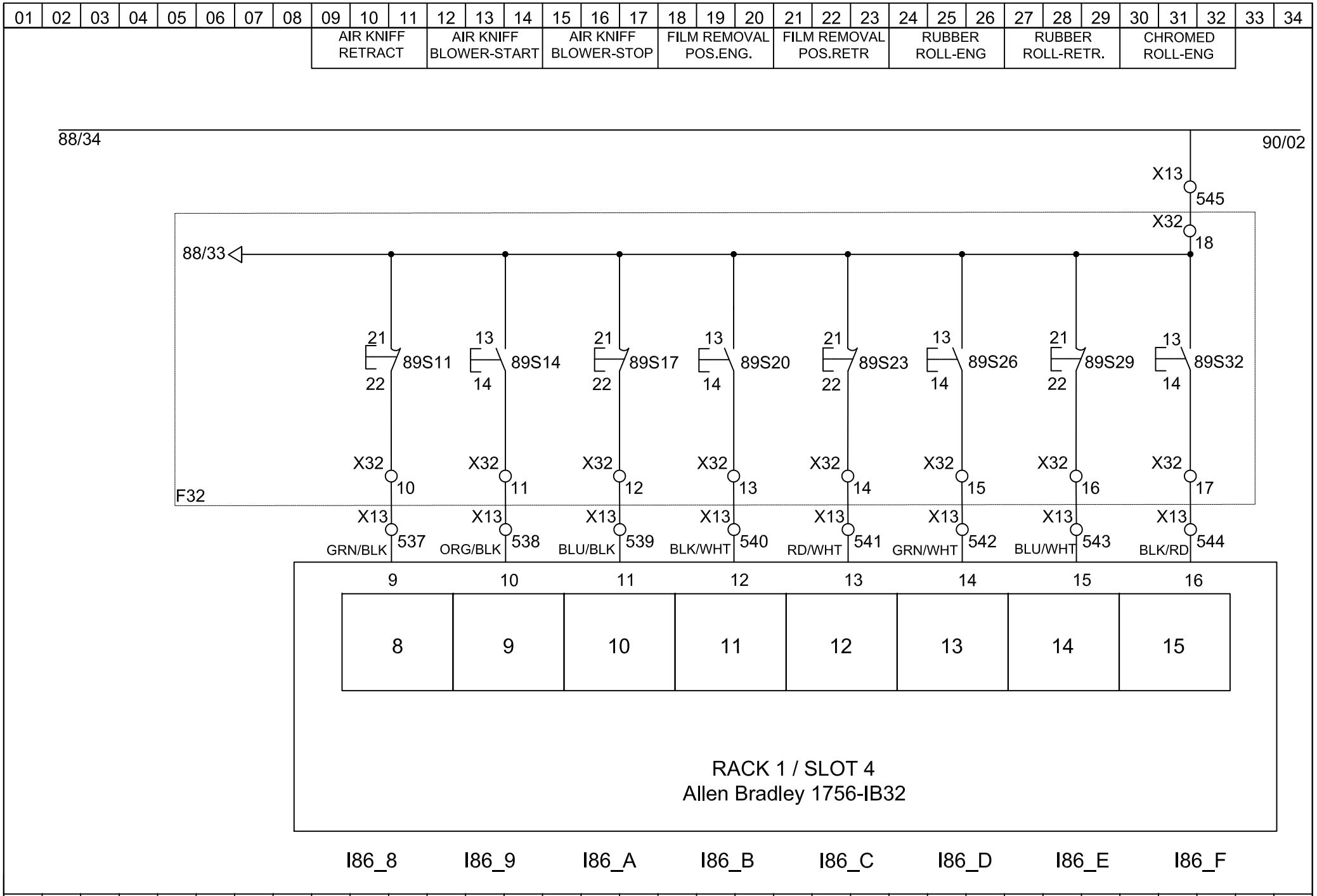
MATERIAL
SCALE
NONE
UNIT
MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	89		
									Total			
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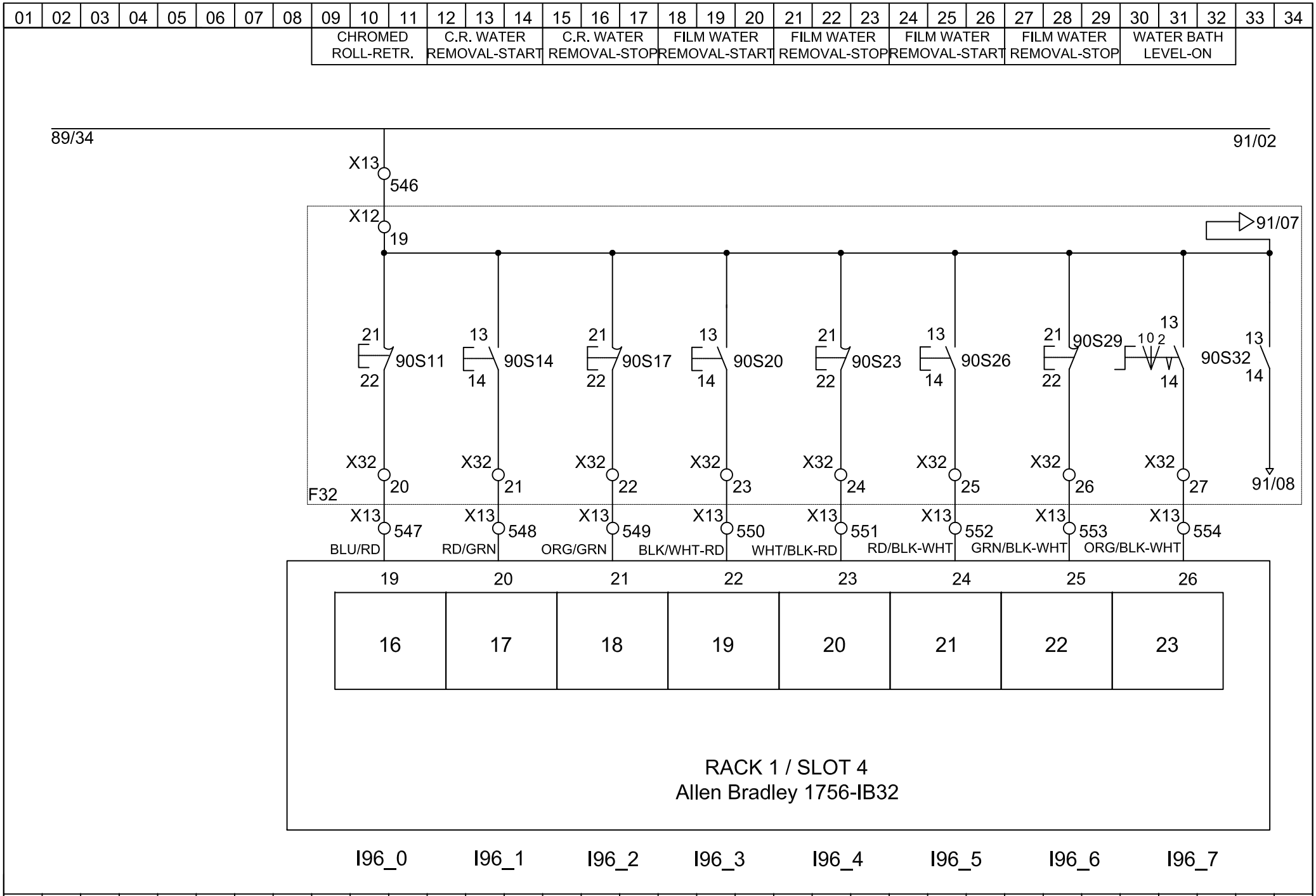

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	90		
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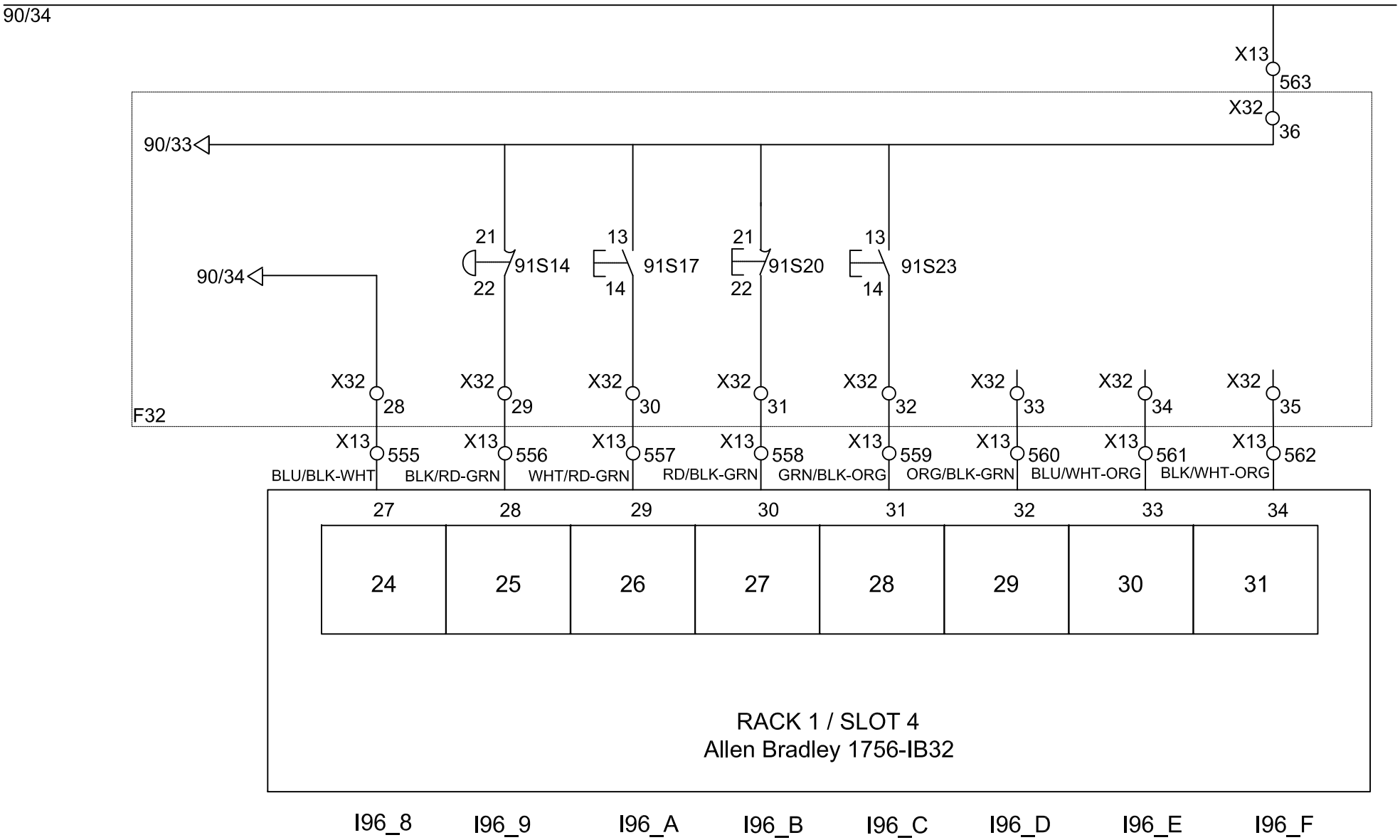
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
								WATER BATH LEVEL-AUTO			C R STOP			INST AIR START			INST AIR STOP			TEST LAMPS			FREE			FREE			FREE				



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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG

32 P.L.C. DIGITAL INPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	UPGRADE TO AB	Bryan Hong	11/22/2023

DRAWING DESCRIPTION	KF F13	Page #	91
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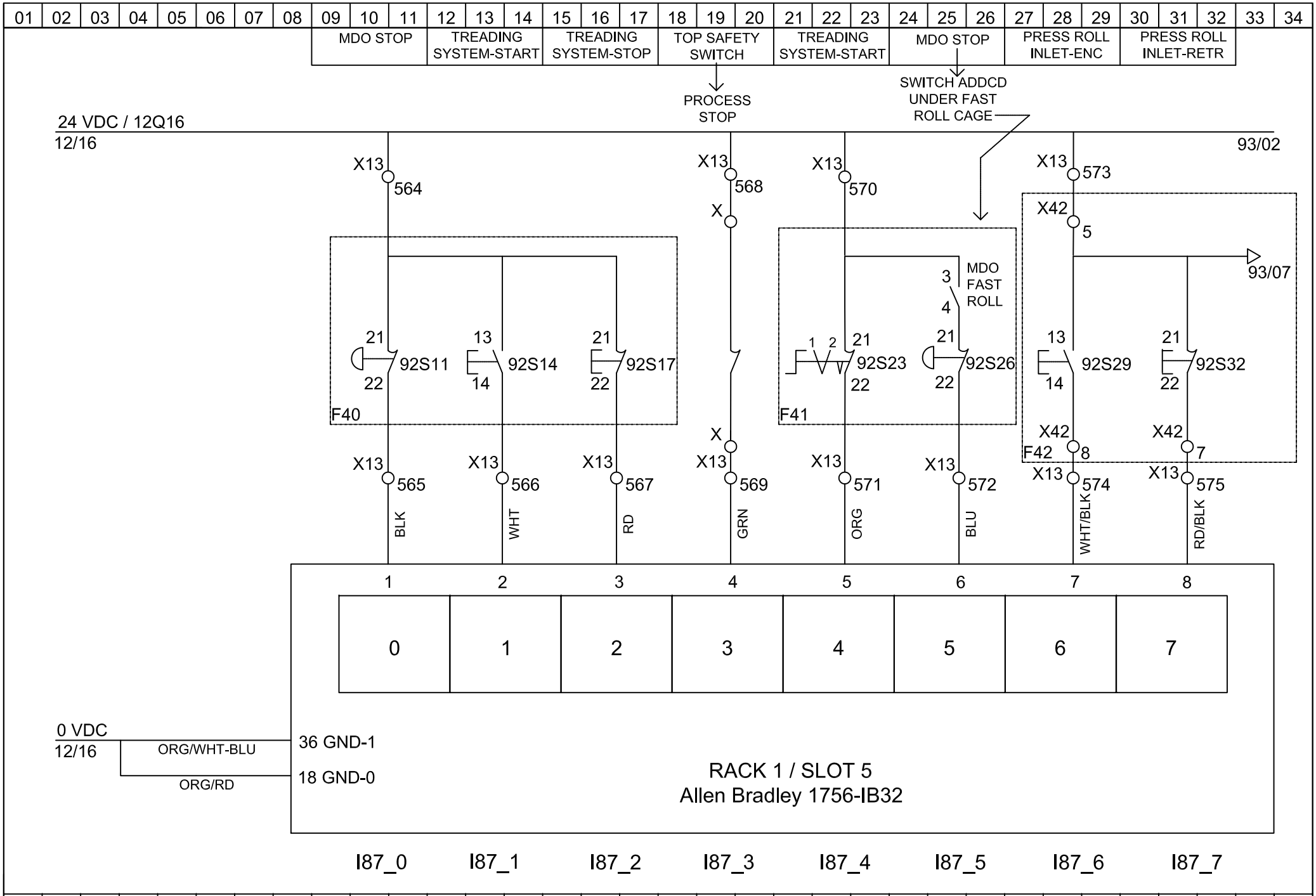
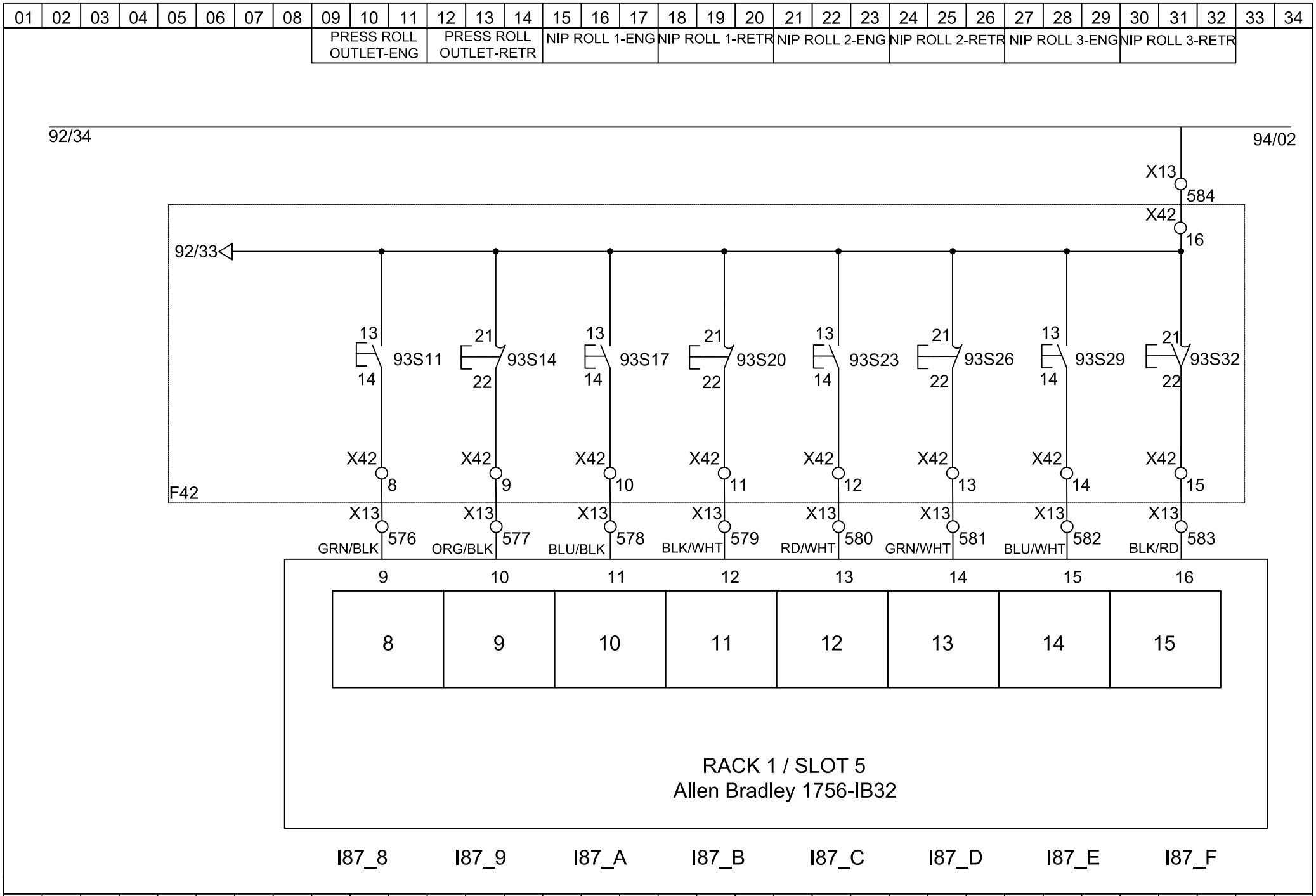
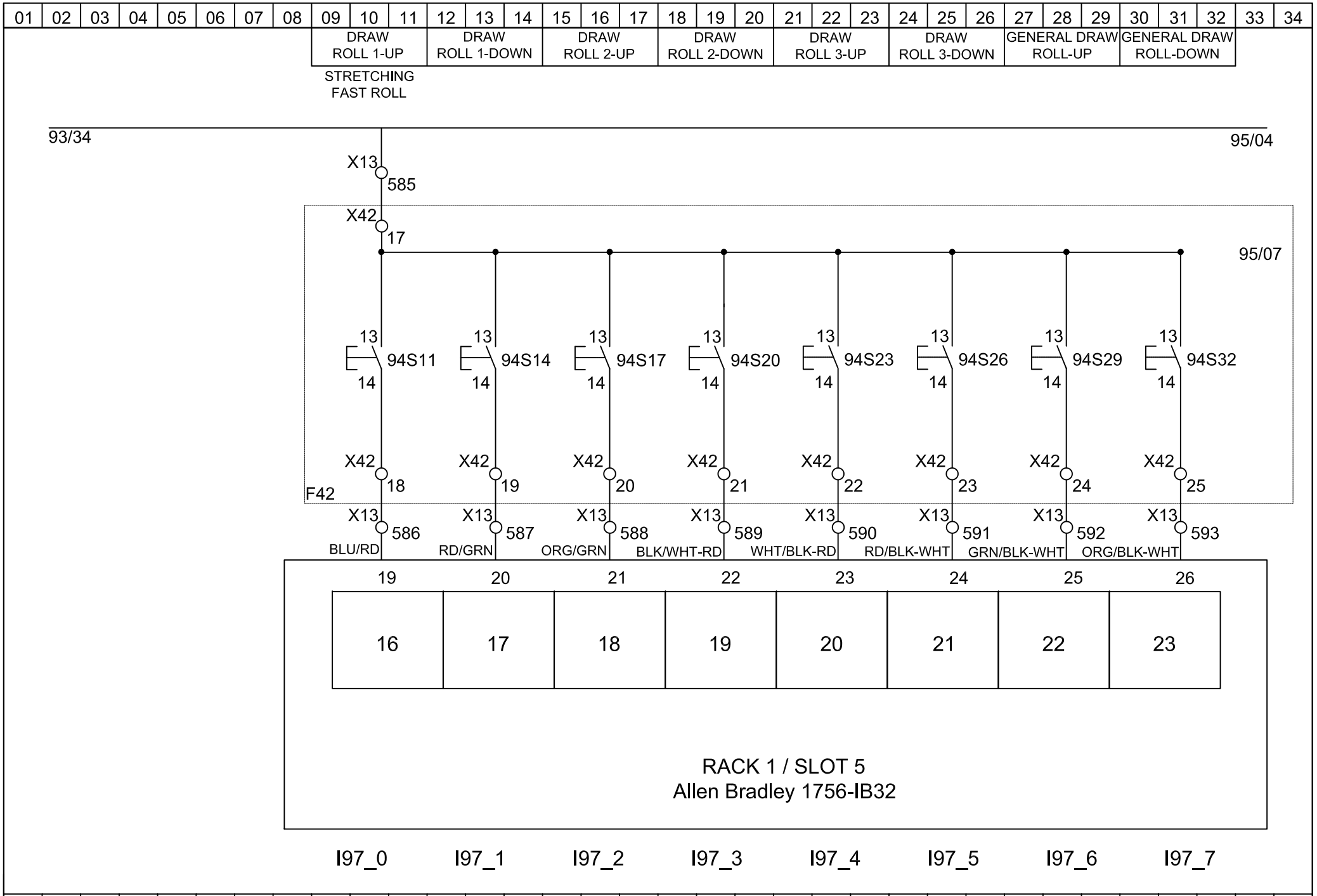
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	92	
		2	LINE1 F13 UPGRADE	Leo Lin	01/23/2025		Total		
DRAWN BY JEFF LEE		1	UPGRADE TO AB	Bryan Hong	11/27/2023	DRAWING NO.	MATERIAL		
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014	SCALE NONE	UNIT MM	



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	93			
								Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/27/2023	DRAWING NO.		MATERIAL				
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM	



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT			DRAWING DESCRIPTION	KF F13	Page #	94		
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DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/27/2023	DRAWING NO.		MATERIAL	
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE NONE	UNIT MM

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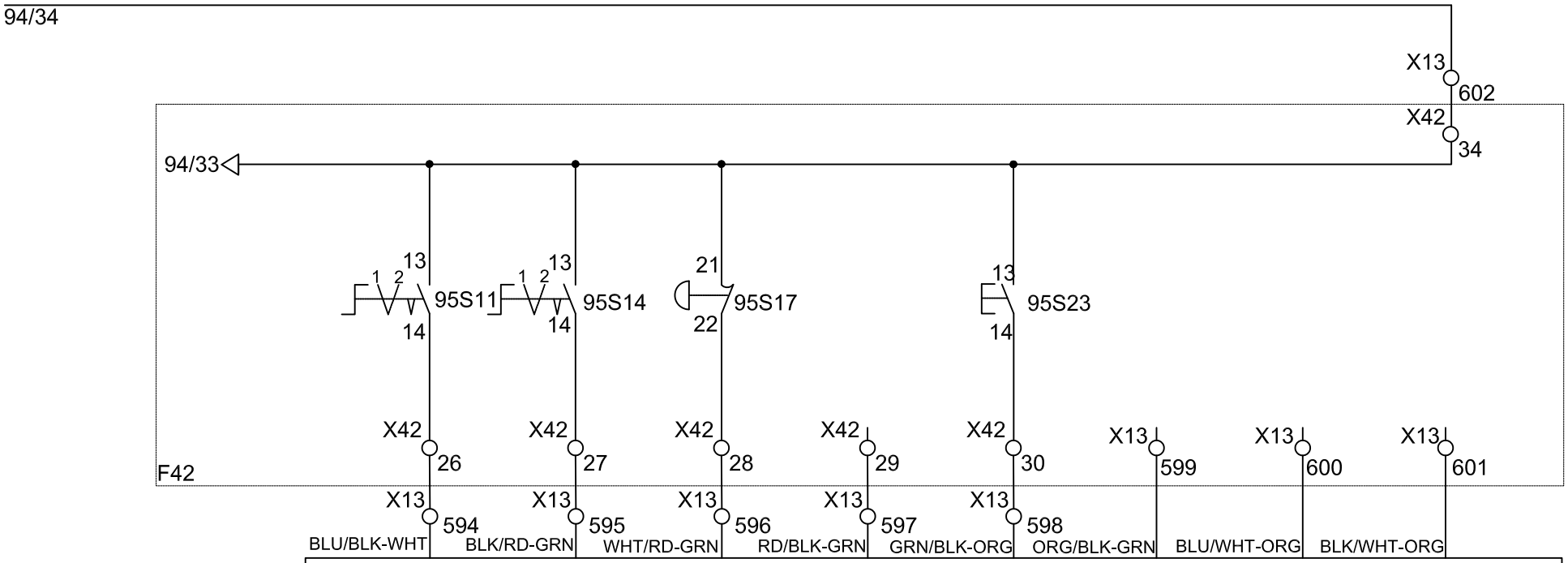
								FILM < > 60 MICRO-M			WEB BREAK DETECTOR MDO			MDO STOP			FREE			LAMPS TEST			FREE			FREE			FREE				



27	28	29	30	31	32	33	34
25	26	27	28	29	30	31	32

RACK 1 / SLOT 5
Allen Bradley 1756-IB32

I97_8 I97_9 I97_A I97_B I97_C I97_D I97_E I97_F

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY: JEFF LEE
CHECKED BY: VINCENT HUANG

32 P.L.C. DIGITAL INPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	REDRAWING	Bryan Hong	10/06/2023

DRAWING DESCRIPTION: KF F13
DRAWING NO.:
DRAWN DATE: 03-03-2014
Page # 95
Total
MATERIAL
SCALE NONE
UNIT MM

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY

CHECKED BY VINCENT HUANG

32 P.L.C. DIGITAL INPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION

DRAWING NO.

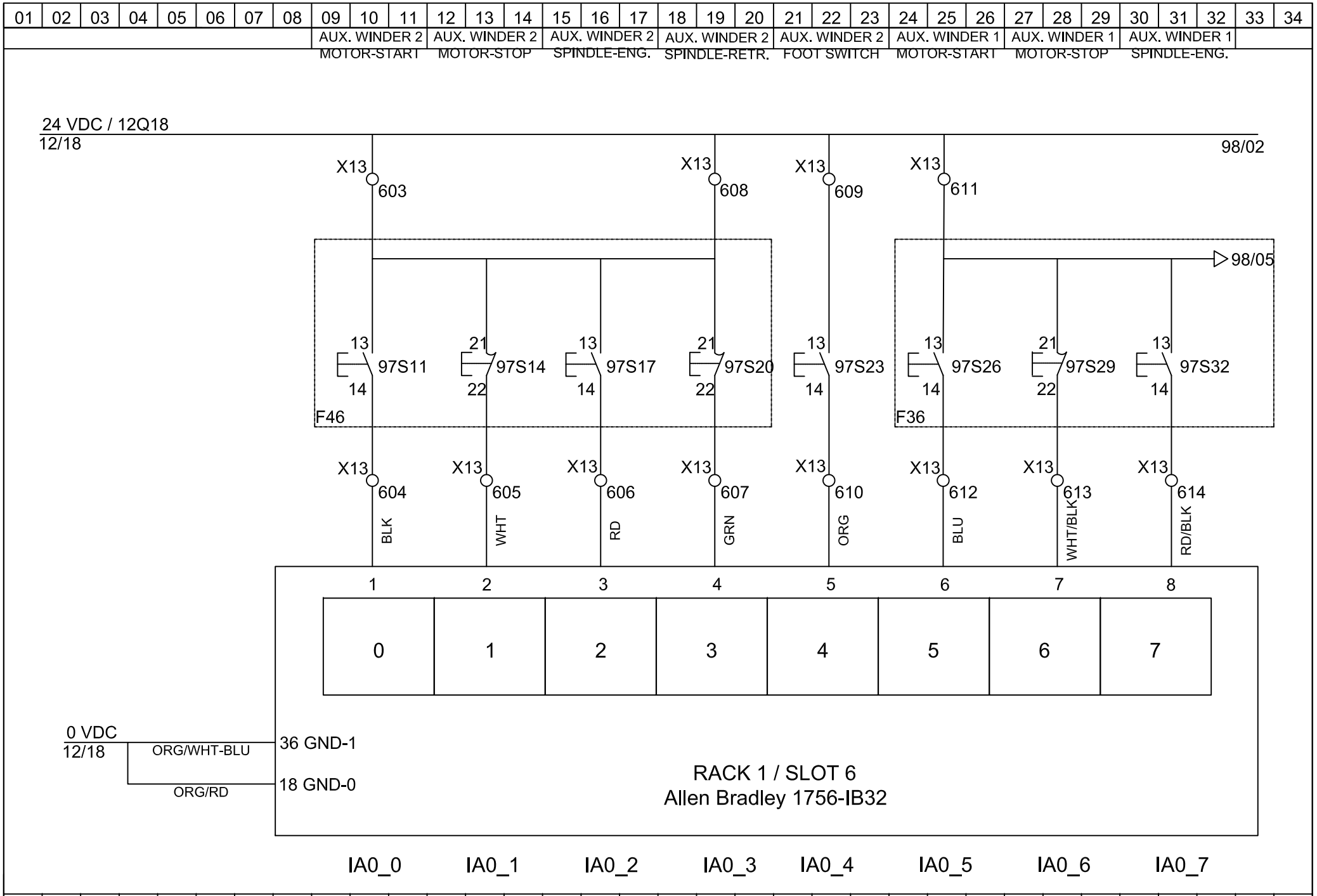
DRAWN DATE: 03-03-2014

Page # 96

Total

MATERIAL

SCALE NONE UNIT MM



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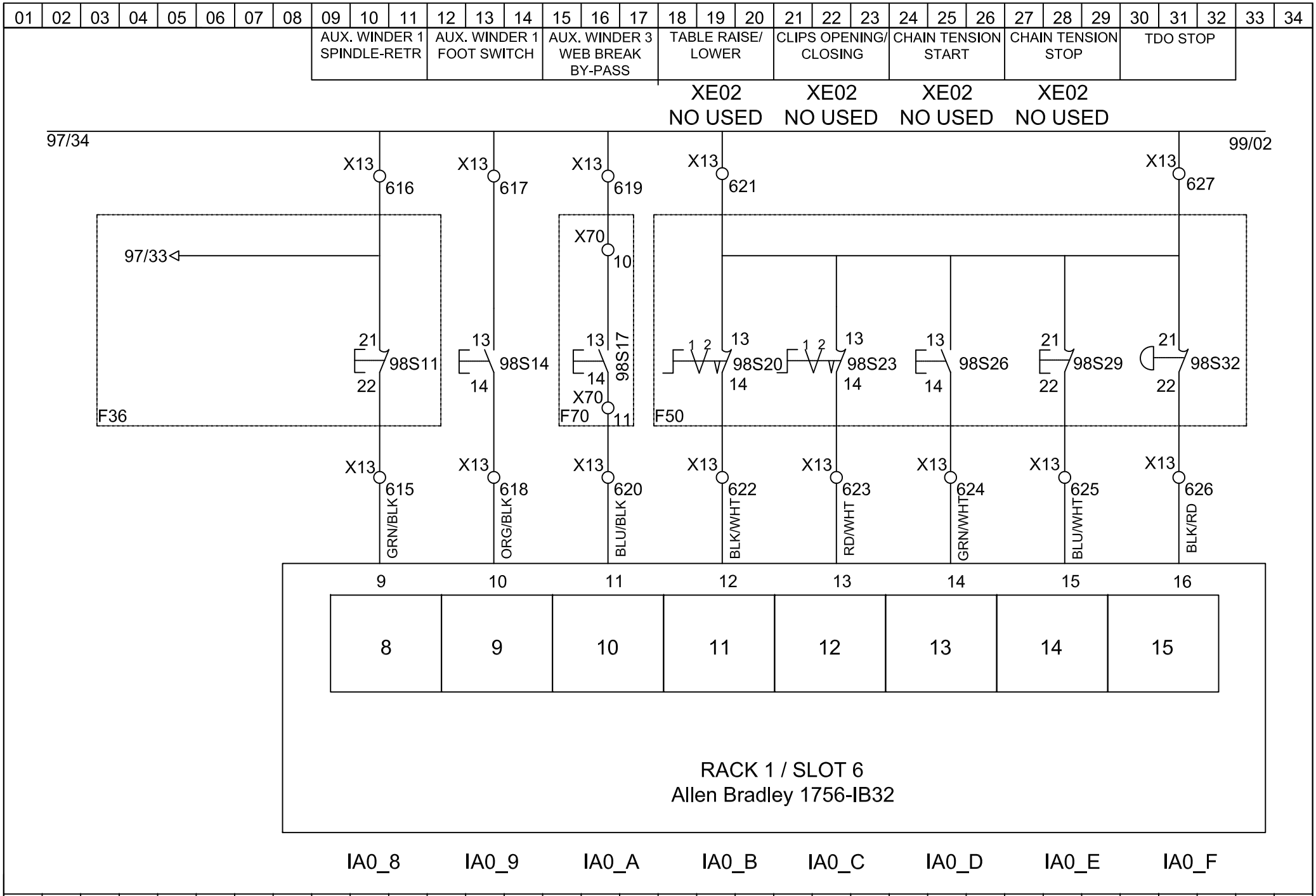

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	98		
								Total			
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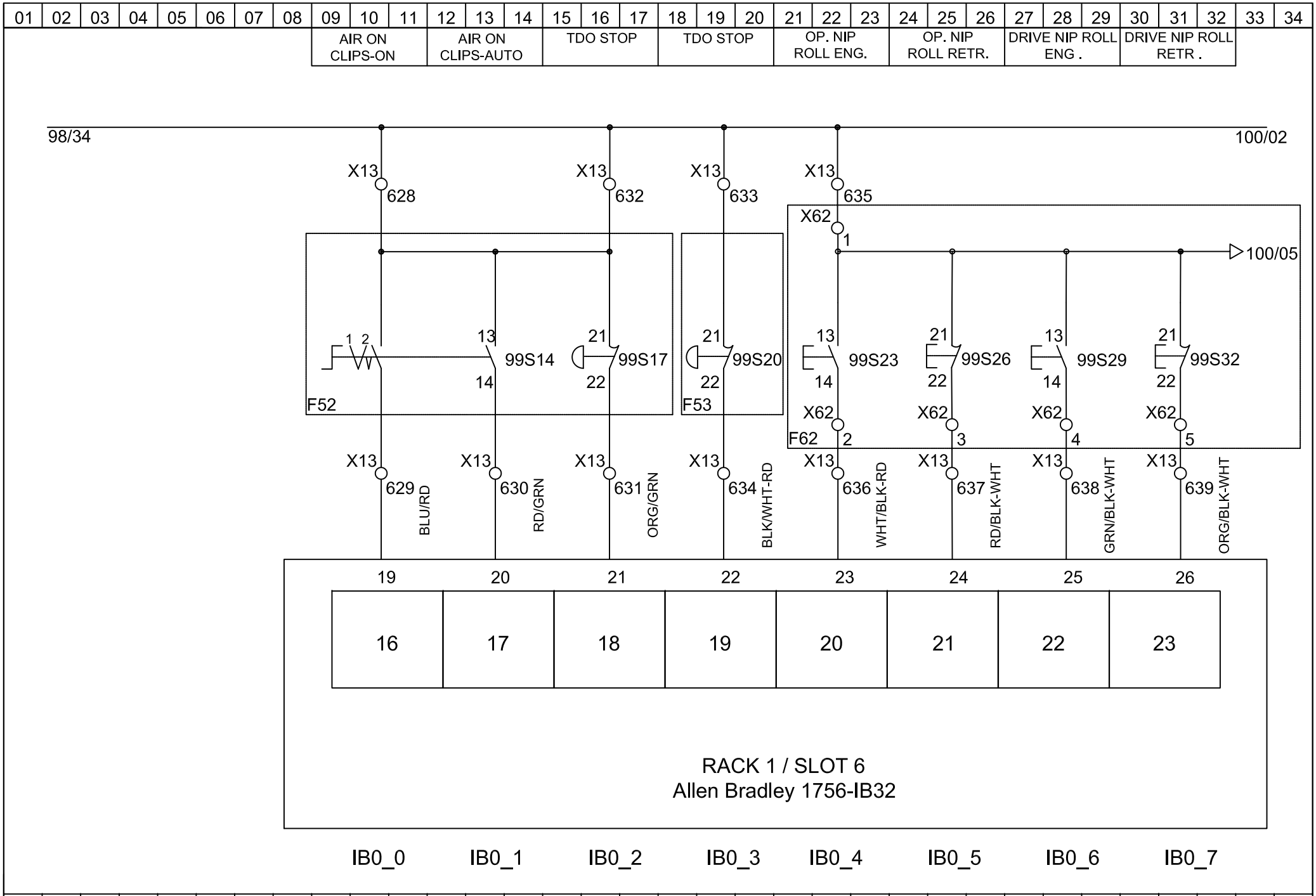
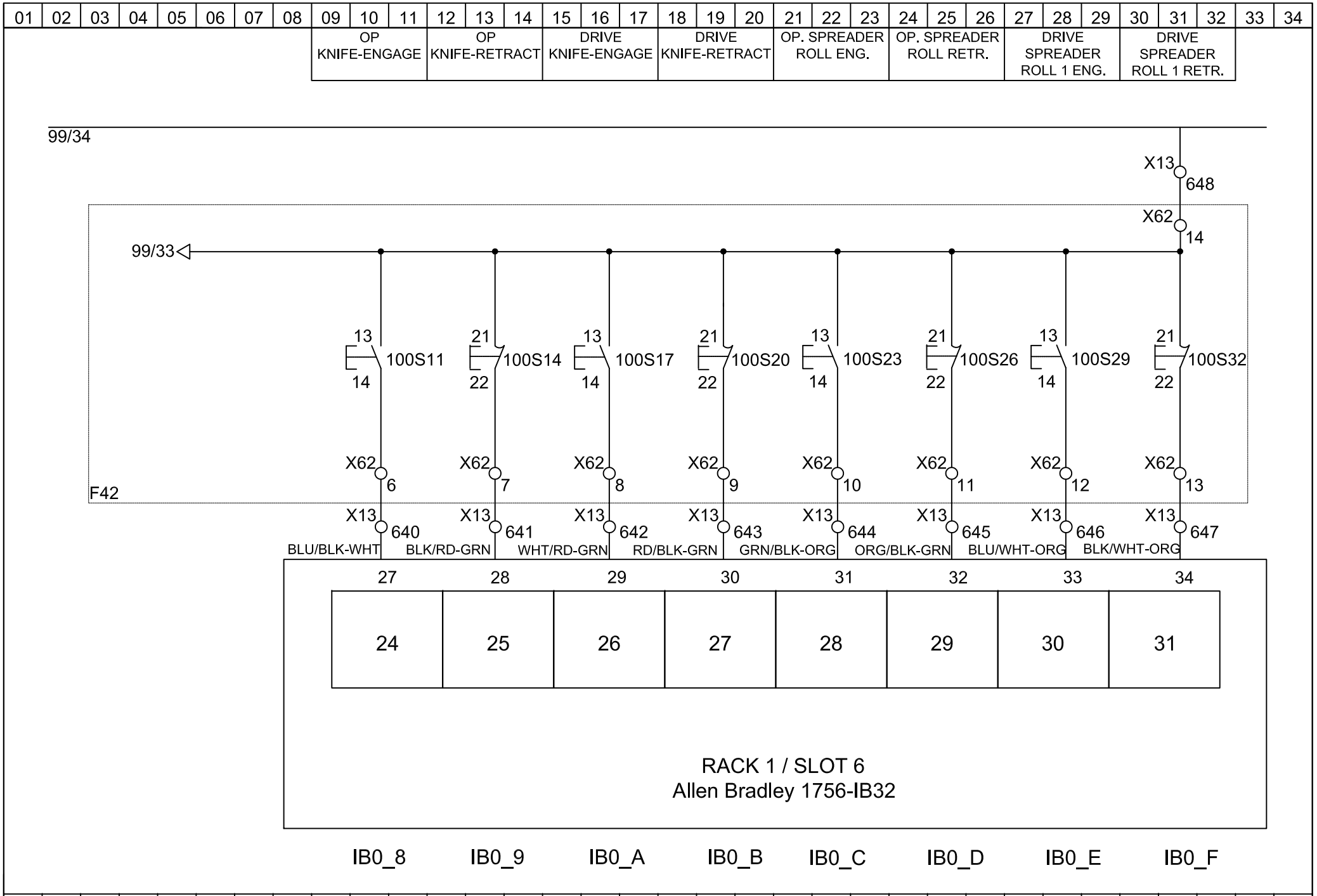
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM


01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
AIR ON CLIPS-ON
AIR ON CLIPS-AUTO
TDO STOP
TDO STOP
OP. NIP ROLL ENG.
OP. NIP ROLL RETR.
DRIVE NIP ROLL ENG .
DRIVE NIP ROLL RETR .
98/34
100/02
100/05
X13 628
X13 632
X13 633
X13 635
X62 1
99S14
99S17
99S20
99S23
99S26
99S29
99S32
F52
F53
F62
X62 2
X62 3
X62 4
X62 5
X13 629 BLU/RD
X13 630 RD/GRN
X13 631 ORG/GRN
X13 634 BLK/WHT-RD
X13 636 WHT/BLK-RD
X13 637 RD/BLK-WHT
X13 638 GRN/BLK-WHT
X13 639 ORG/BLK-WHT
19 20 21 22 23 24 25 26
16 17 18 19 20 21 22 23
RACK 1 / SLOT 6
Allen Bradley 1756-IB32
IB0_0 IB0_1 IB0_2 IB0_3 IB0_4 IB0_5 IB0_6 IB0_7
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
1 UPGRADE TO AB Bryan Hong 11/27/2023
REV. NO REV. DESCRIPTION REV. BY: REV. DATE
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF F13
Page # 99
Total
MATERIAL
SCALE NONE UNIT MM


01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
OP KNIFE-ENGAGE
OP KNIFE-RETRACT
DRIVE KNIFE-ENGAGE
DRIVE KNIFE-RETRACT
OP. SPREADER ROLL ENG.
OP. SPREADER ROLL RETR.
DRIVE SPREADER ROLL 1 ENG.
DRIVE SPREADER ROLL 1 RETR.
99/34
X13
648
X62
14
99/33
13
100S11
14
21
100S14
22
13
100S17
14
21
100S20
22
13
100S23
14
21
100S26
22
13
100S29
14
21
100S32
22
X62
6
7
8
9
10
11
12
13
F42
X13
640
641
642
643
644
645
646
647
BLU/BLK-WHT
BLK/RD-GRN
WHT/RD-GRN
RD/BLK-GRN
GRN/BLK-ORG
ORG/BLK-GRN
BLU/WHT-ORG
BLK/WHT-ORG
27 28 29 30 31 32 33 34
24 25 26 27 28 29 30 31
RACK 1 / SLOT 6
Allen Bradley 1756-IB32
IB0_8
IB0_9
IB0_A
IB0_B
IB0_C
IB0_D
IB0_E
IB0_F
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
1 UPGRADE TO AB Bryan Hong 11/27/2023
REV. NO REV. DESCRIPTION REV. BY: REV. DATE
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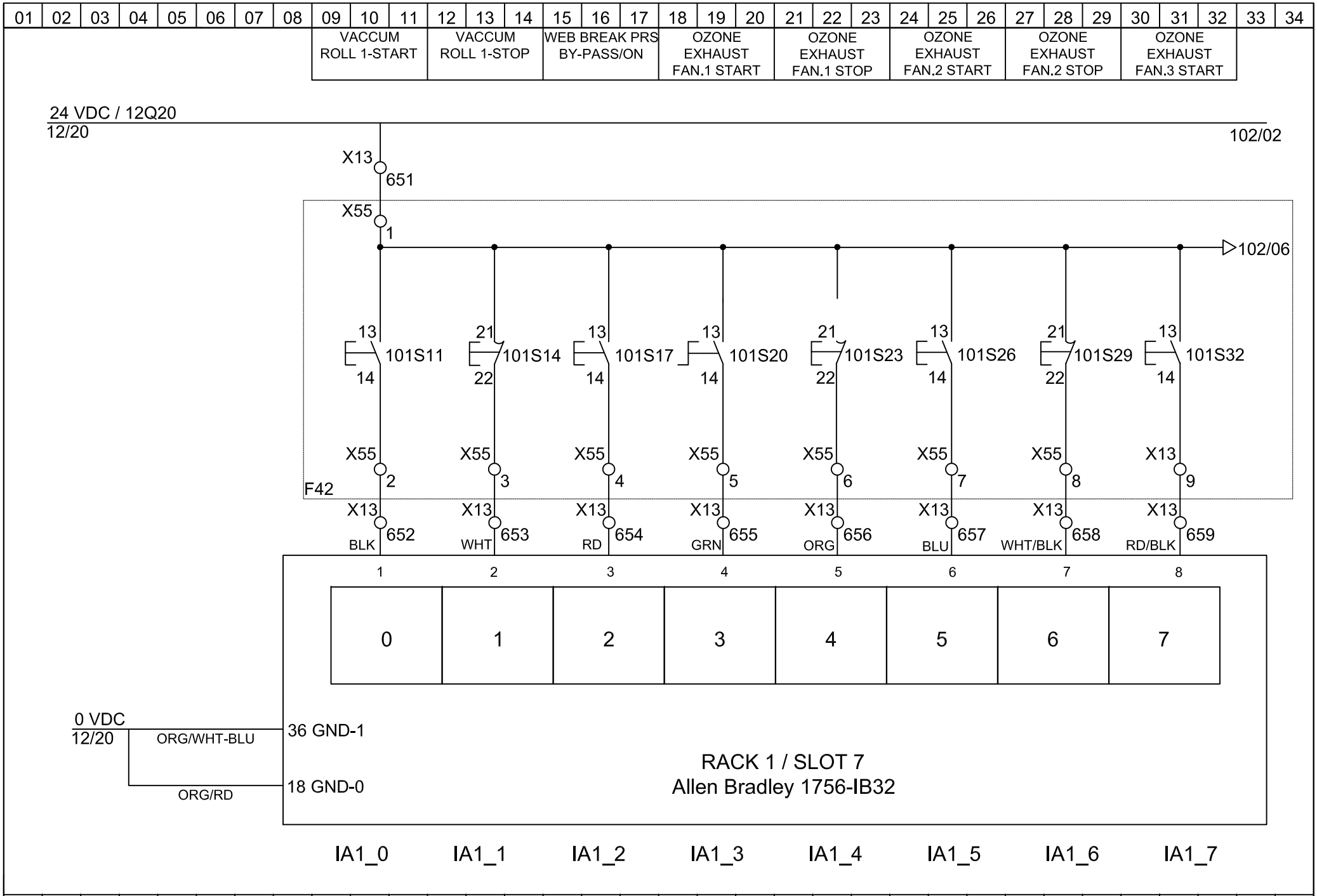
KF F13
DRAWING NO.
DRAWN DATE: 03-03-2014
Page # 100
Total
MATERIAL
SCALE NONE UNIT MM



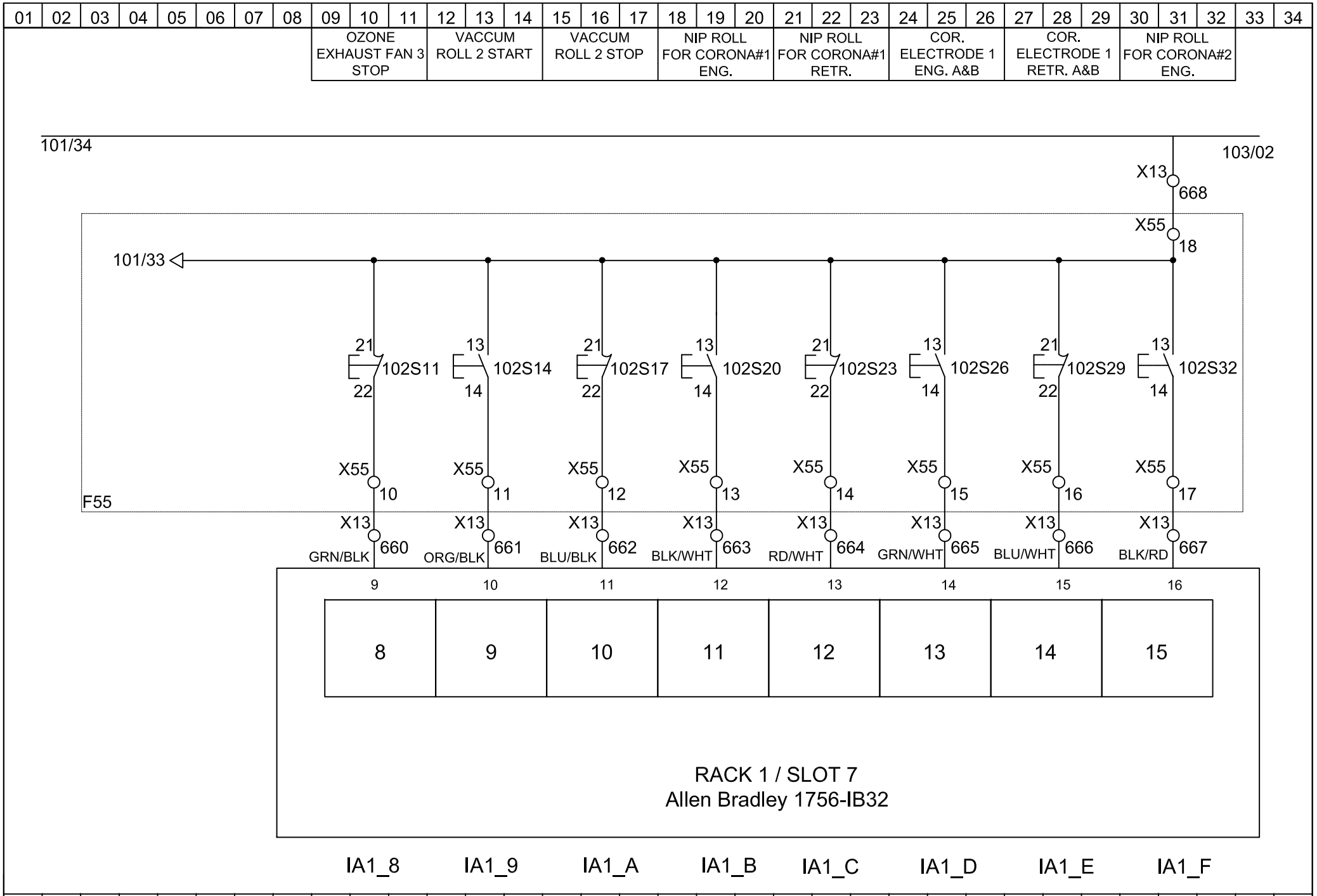
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

32 P.L.C. DIGITAL INPUT

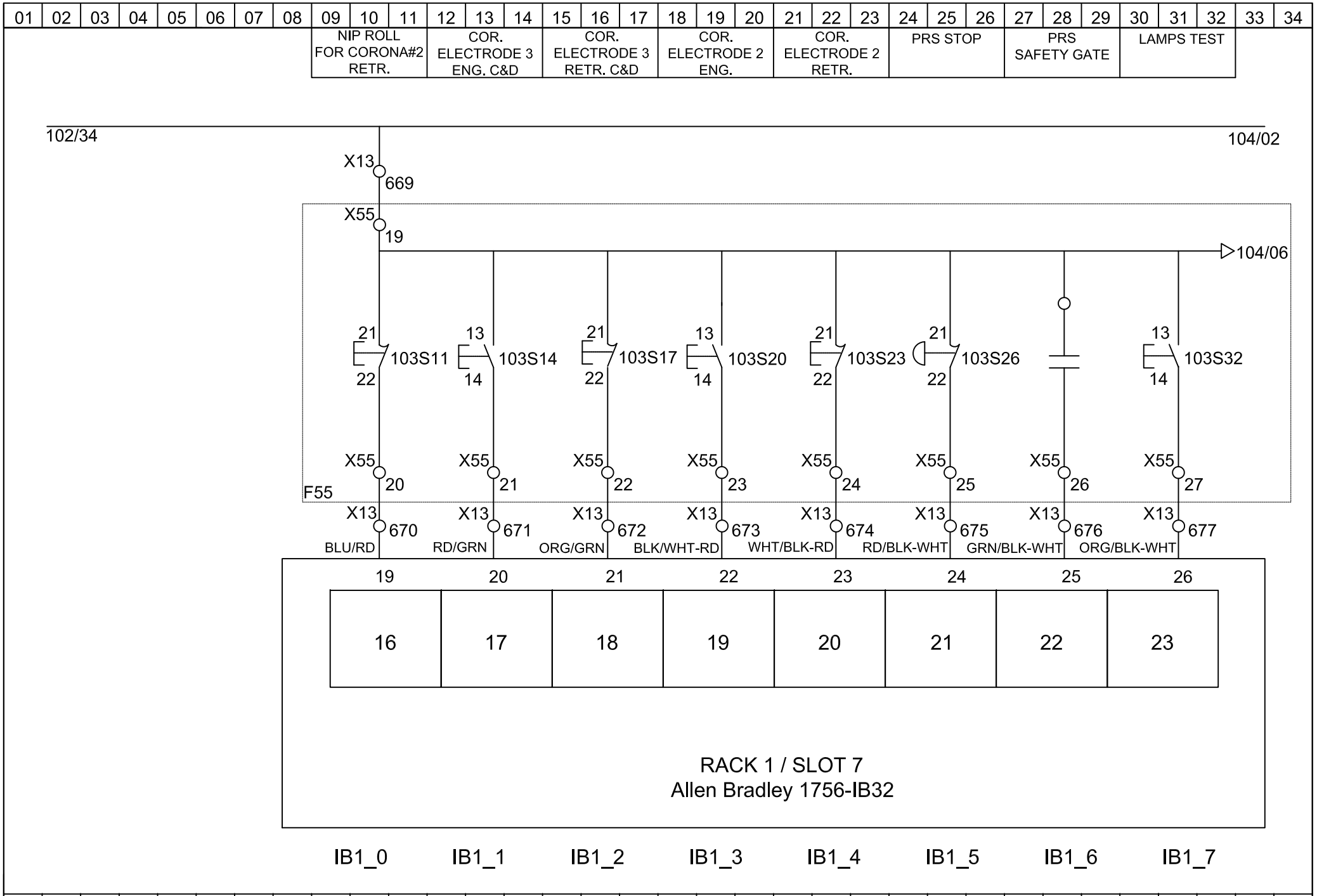
DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG

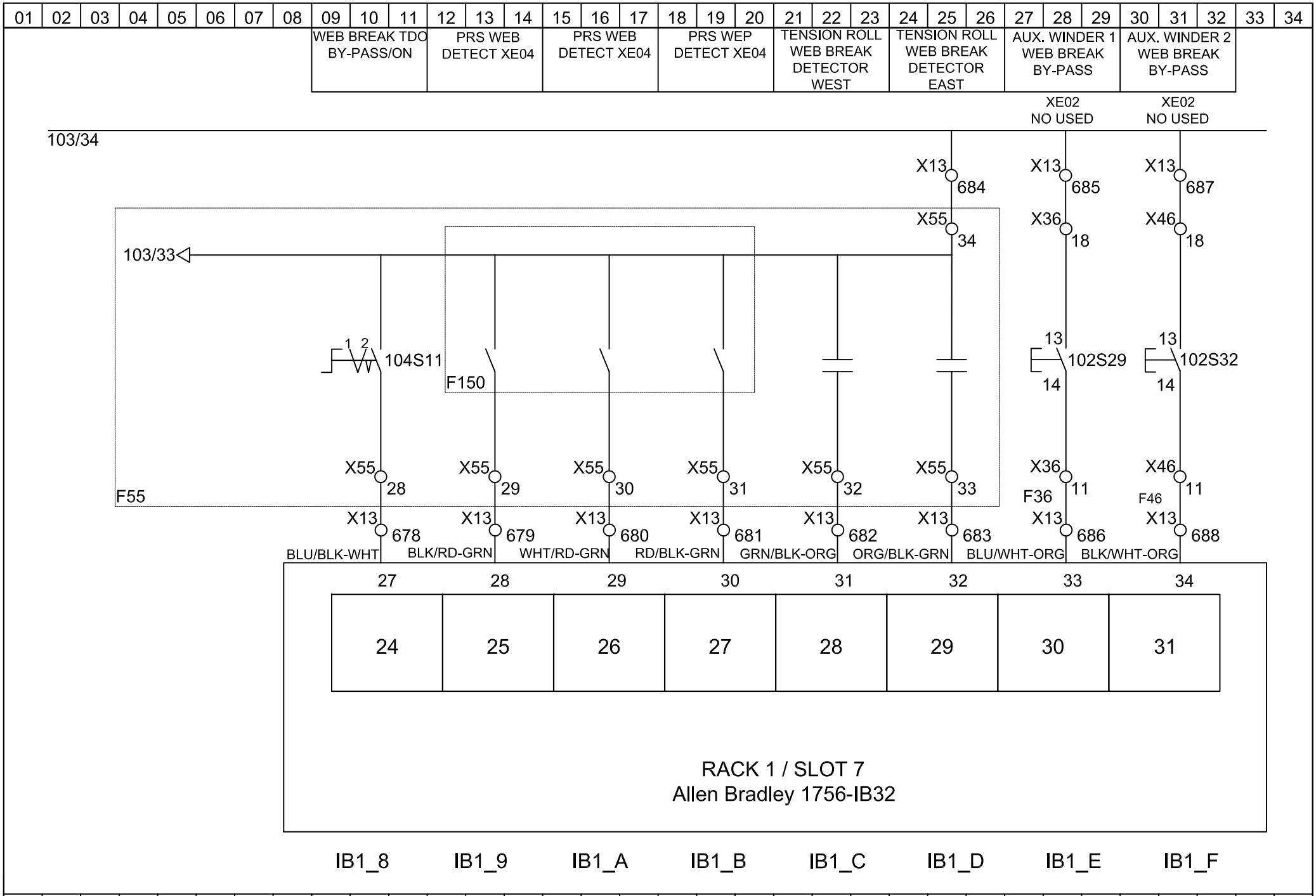
REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	UPGRADE TO AB	Bryan Hong	11/28/2023

DRAWING DESCRIPTION	KF F13
DRAWING NO.	
DRAWN DATE:	03-03-2014
Page #	101
Total	
MATERIAL	
SCALE	NONE
UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	102			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/28/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM


01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
NIP ROLL FOR CORONA#2 RETR.
COR. ELECTRODE 3 ENG. C&D
COR. ELECTRODE 3 RETR. C&D
COR. ELECTRODE 2 ENG.
COR. ELECTRODE 2 RETR.
PRS STOP
PRS SAFETY GATE
LAMPS TEST
102/34
104/02
X13
669
X55
19
104/06
21
22
103S11
13
14
103S14
21
22
103S17
13
14
103S20
21
22
103S23
21
22
103S26
13
14
103S32
X55
20
21
22
23
24
25
26
27
F55
X13
670
671
672
673
674
675
676
677
BLU/RD
RD/GRN
ORG/GRN
BLK/WHT-RD
WHT/BLK-RD
RD/BLK-WHT
GRN/BLK-WHT
ORG/BLK-WHT
19 20 21 22 23 24 25 26
16 17 18 19 20 21 22 23
RACK 1 / SLOT 7
Allen Bradley 1756-IB32
IB1_0 IB1_1 IB1_2 IB1_3 IB1_4 IB1_5 IB1_6 IB1_7
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
REV. NO 1
REV. DESCRIPTION UPGRADE TO AB
REV. BY: Bryan Hong
REV. DATE 11/28/2023
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF
F13
Page # 103
Total
MATERIAL
SCALE NONE
UNIT MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	104		
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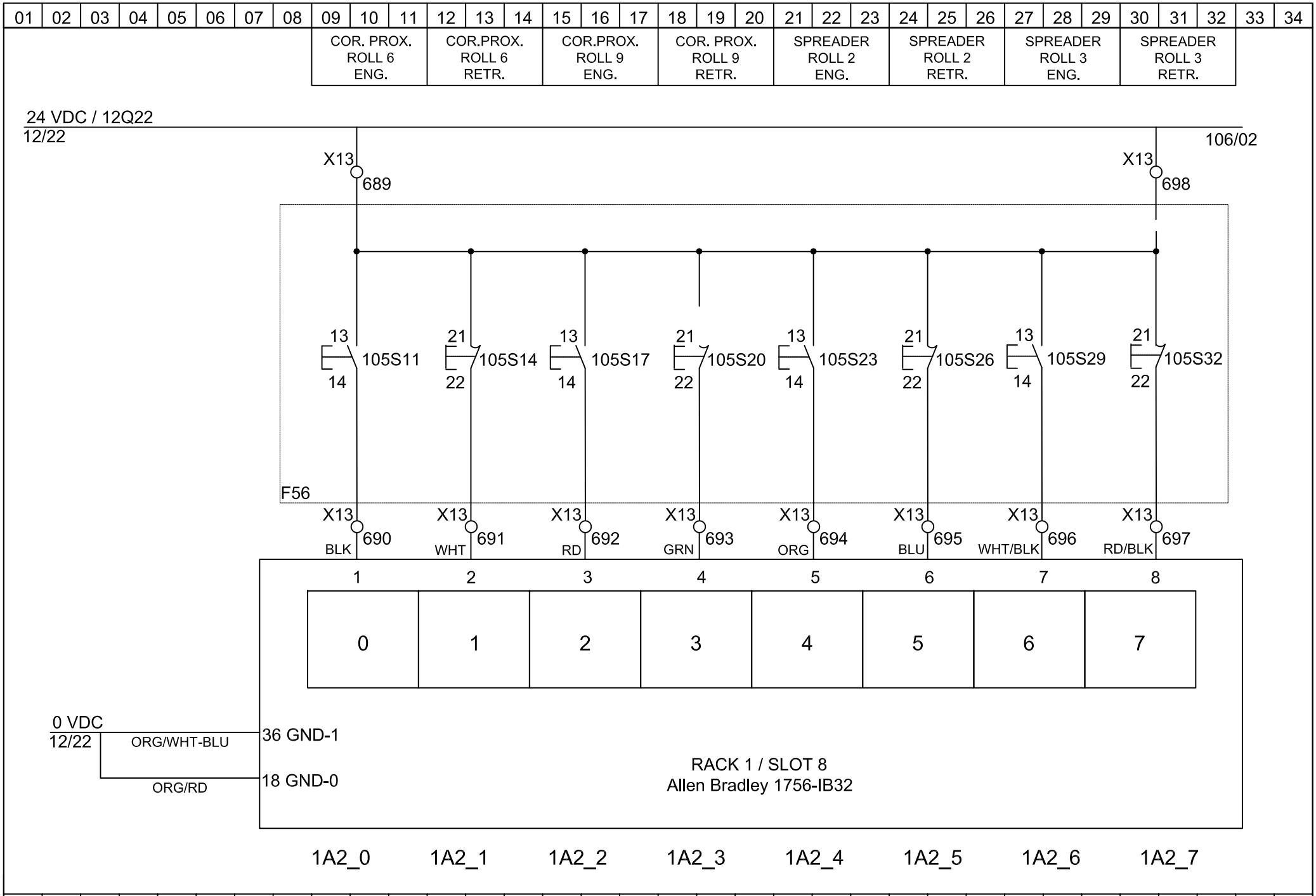

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13		Page #	105		
										Total			
DRAWN BY	JEFF LEE		1	UPGRADE TO AB	Bryan Hong	11/29/2023	DRAWING NO.			MATERIAL			
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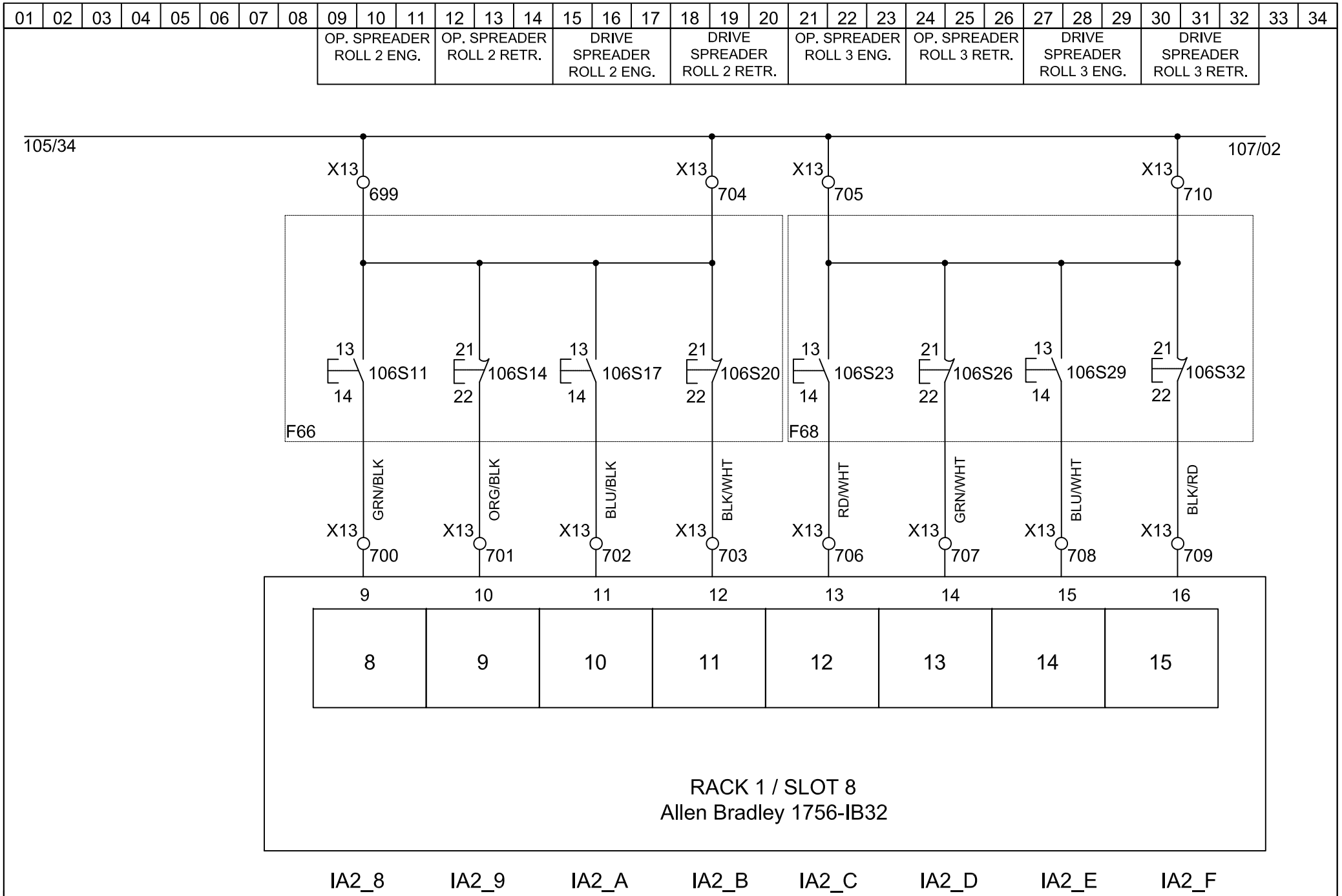

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	106				
								Total					
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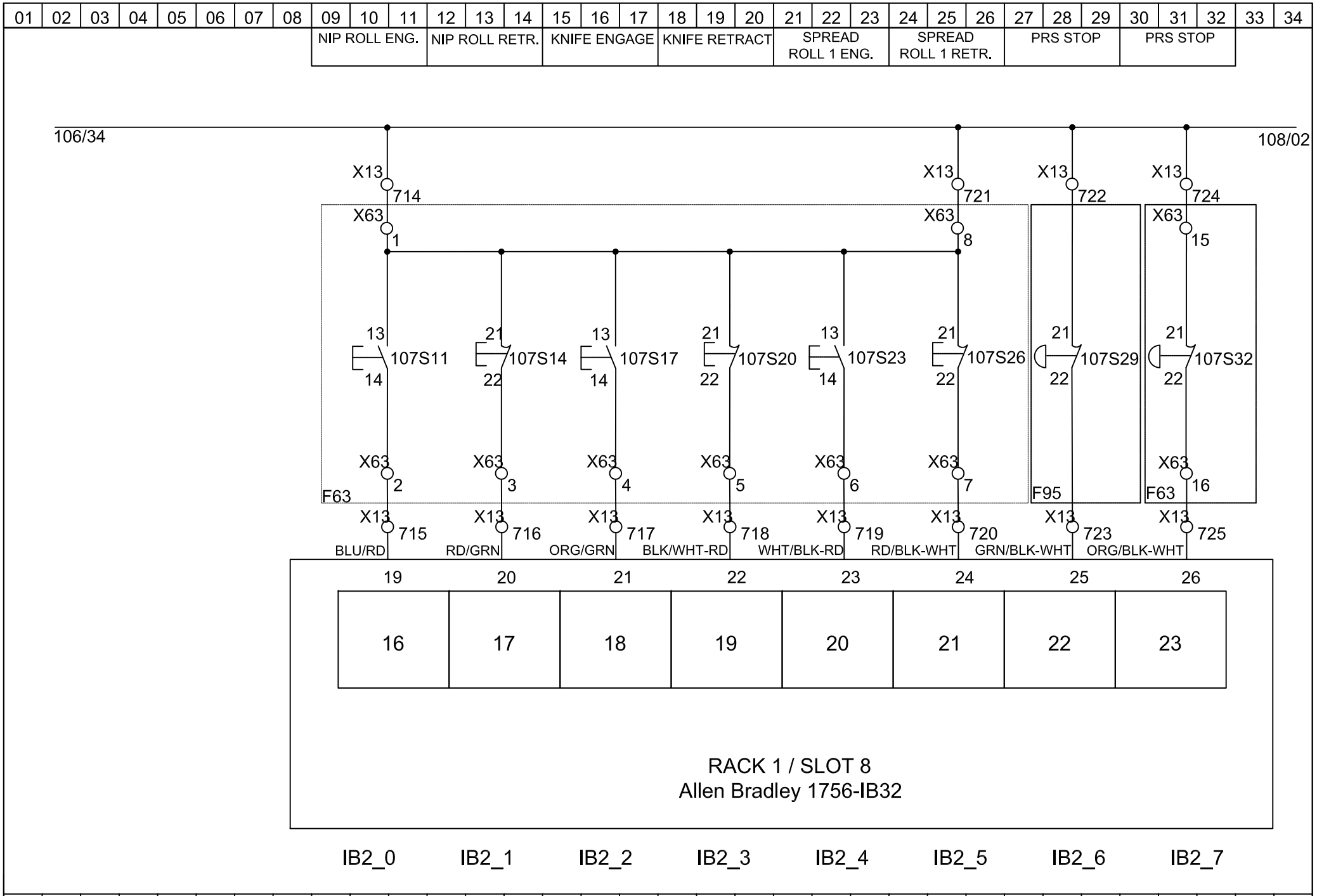
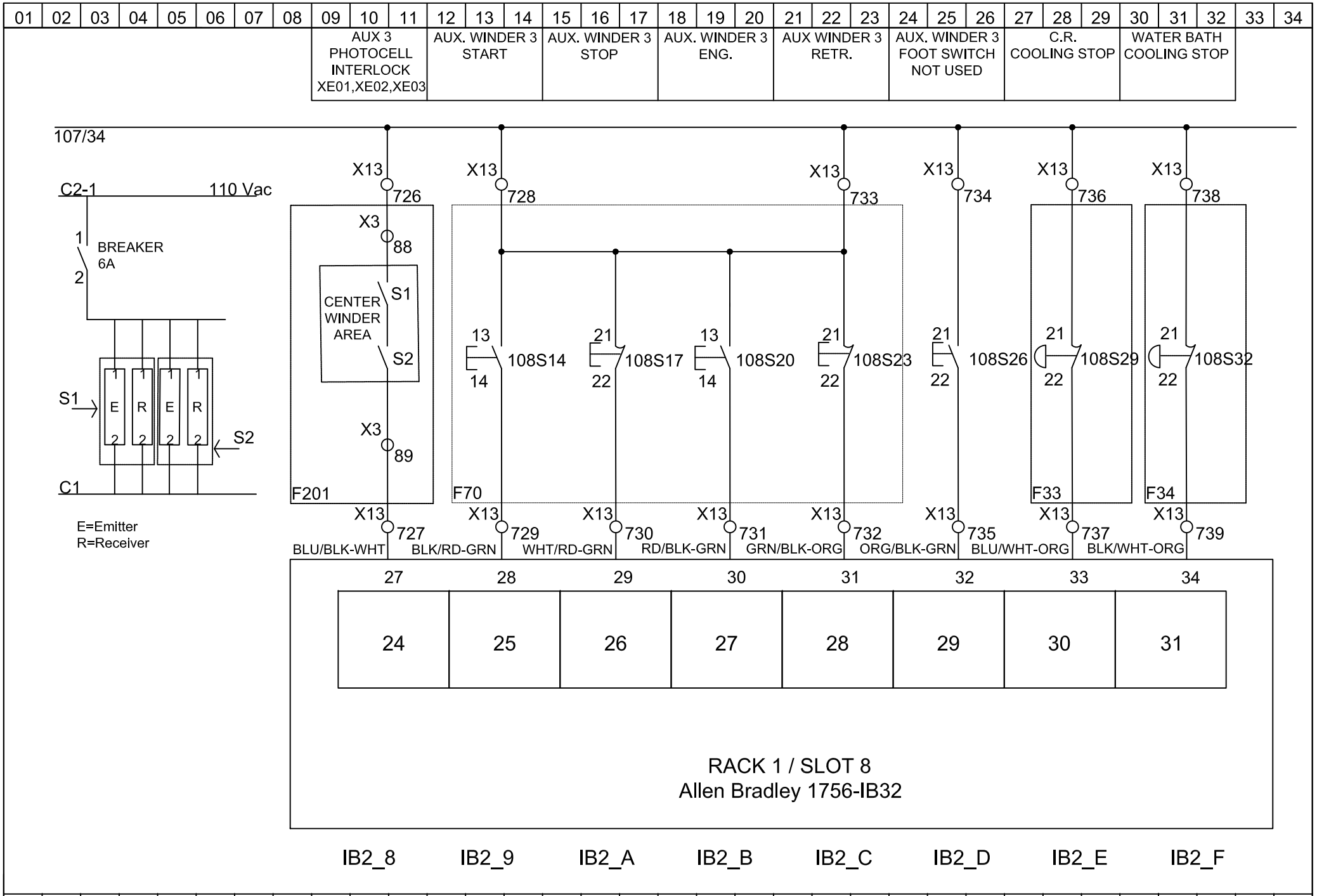
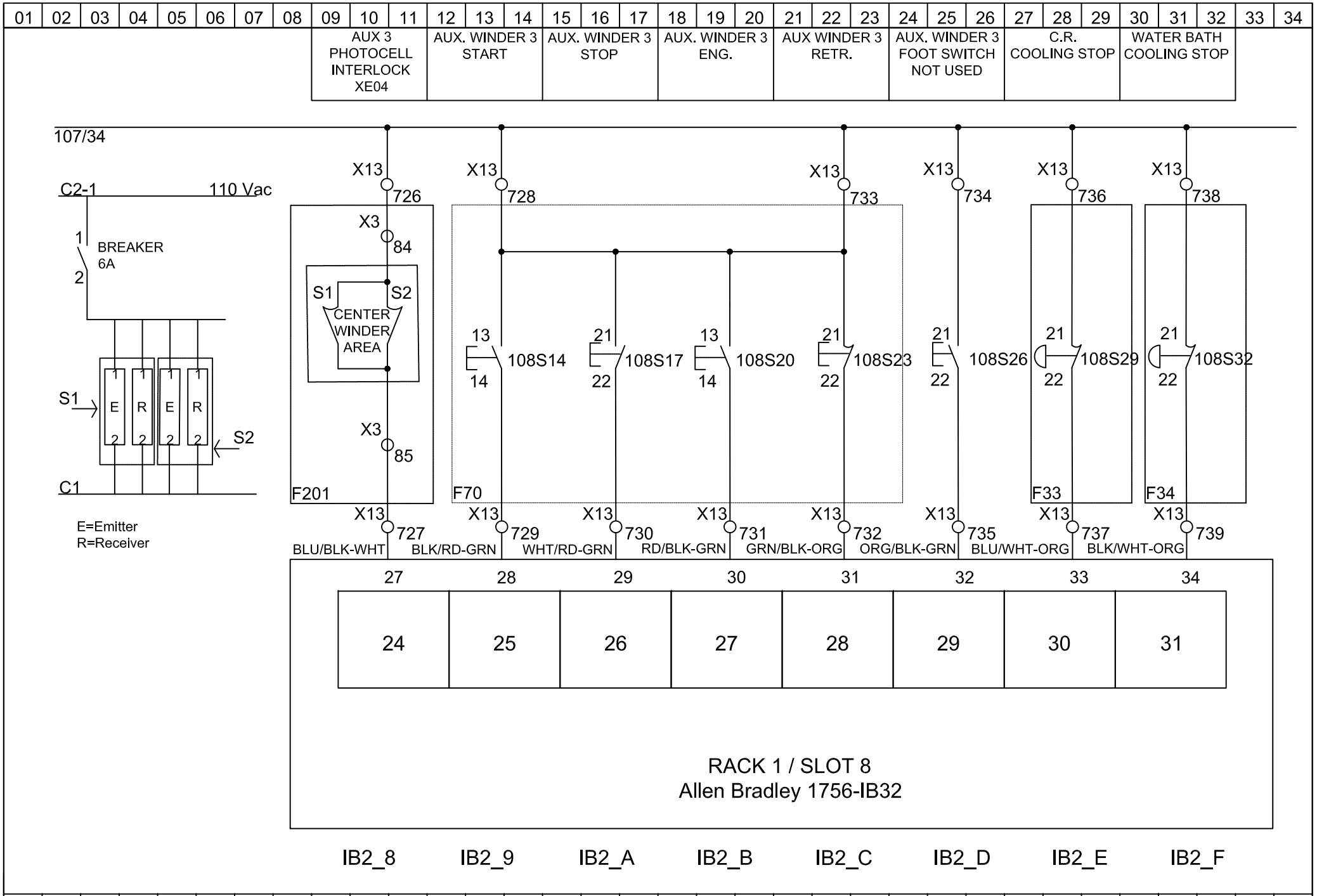
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM		


01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
NIP ROLL ENG.
NIP ROLL RETR.
KNIFE ENGAGE
KNIFE RETRACT
SPREAD ROLL 1 ENG.
SPREAD ROLL 1 RETR.
PRS STOP
PRS STOP
106/34
108/02
X13 714
X63 1
X13 721
X63 8
X13 722
X13 724
X63 15
13 107S11 14
21 107S14 22
13 107S17 14
21 107S20 22
13 107S23 14
21 107S26 22
21 107S29 22
21 107S32 22
X63 2
X63 3
X63 4
X63 5
X63 6
X63 7
X63 16
F63
F95
F63
X13 715 BLU/RD
X13 716 RD/GRN
X13 717 ORG/GRN
X13 718 BLK/WHT-RD
X13 719 WHT/BLK-RD
X13 720 RD/BLK-WHT
X13 723 GRN/BLK-WHT
X13 725 ORG/BLK-WHT
19 20 21 22 23 24 25 26
16 17 18 19 20 21 22 23
RACK 1 / SLOT 8
Allen Bradley 1756-IB32
IB2_0 IB2_1 IB2_2 IB2_3 IB2_4 IB2_5 IB2_6 IB2_7
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
1 UPGRADE TO AB Bryan Hong 11/29/2023
REV. NO REV. DESCRIPTION REV. BY: REV. DATE
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF F13
Page # 107
Total
MATERIAL
SCALE NONE UNIT MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	108A		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/29/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	108B		
								Total			
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CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

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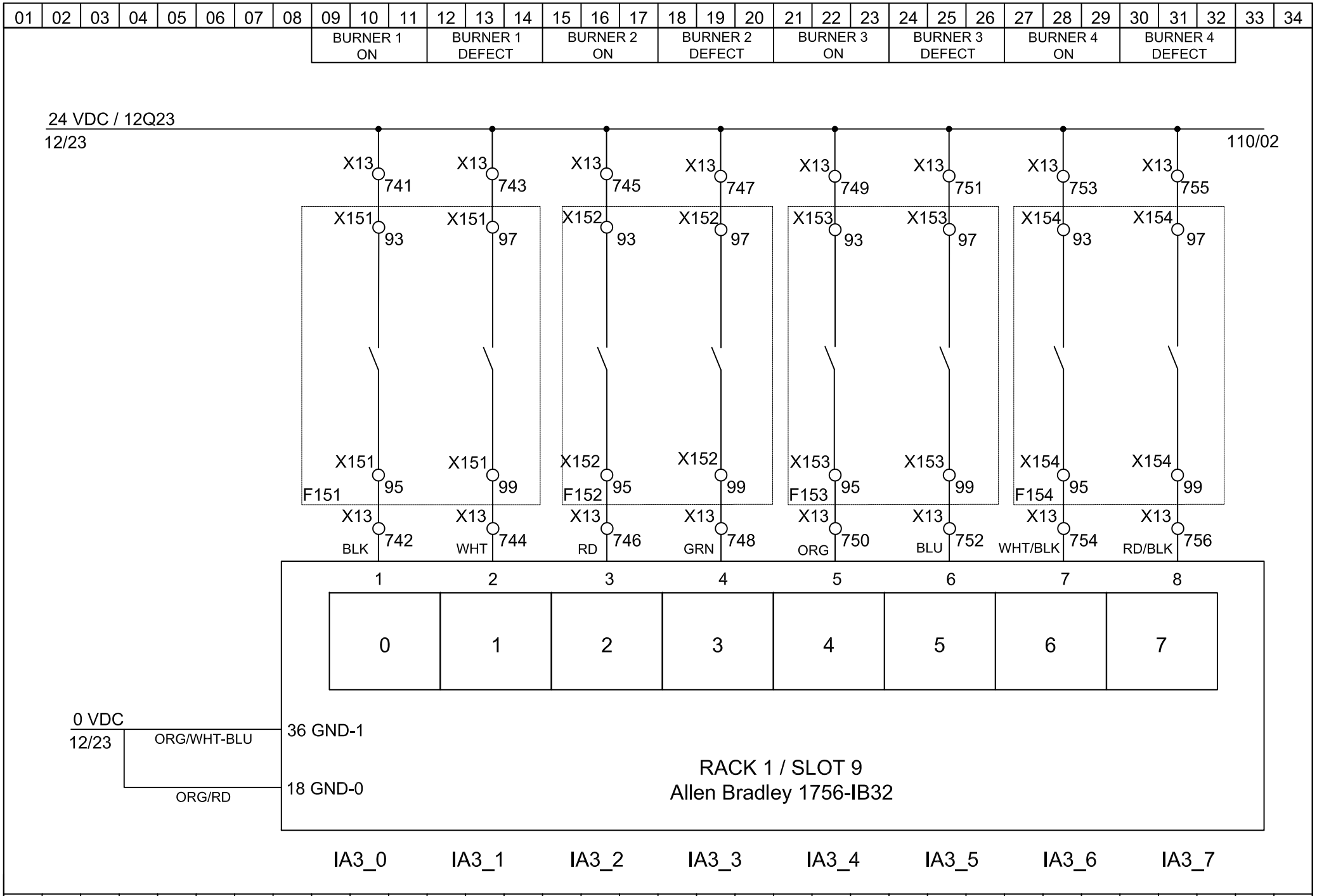
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

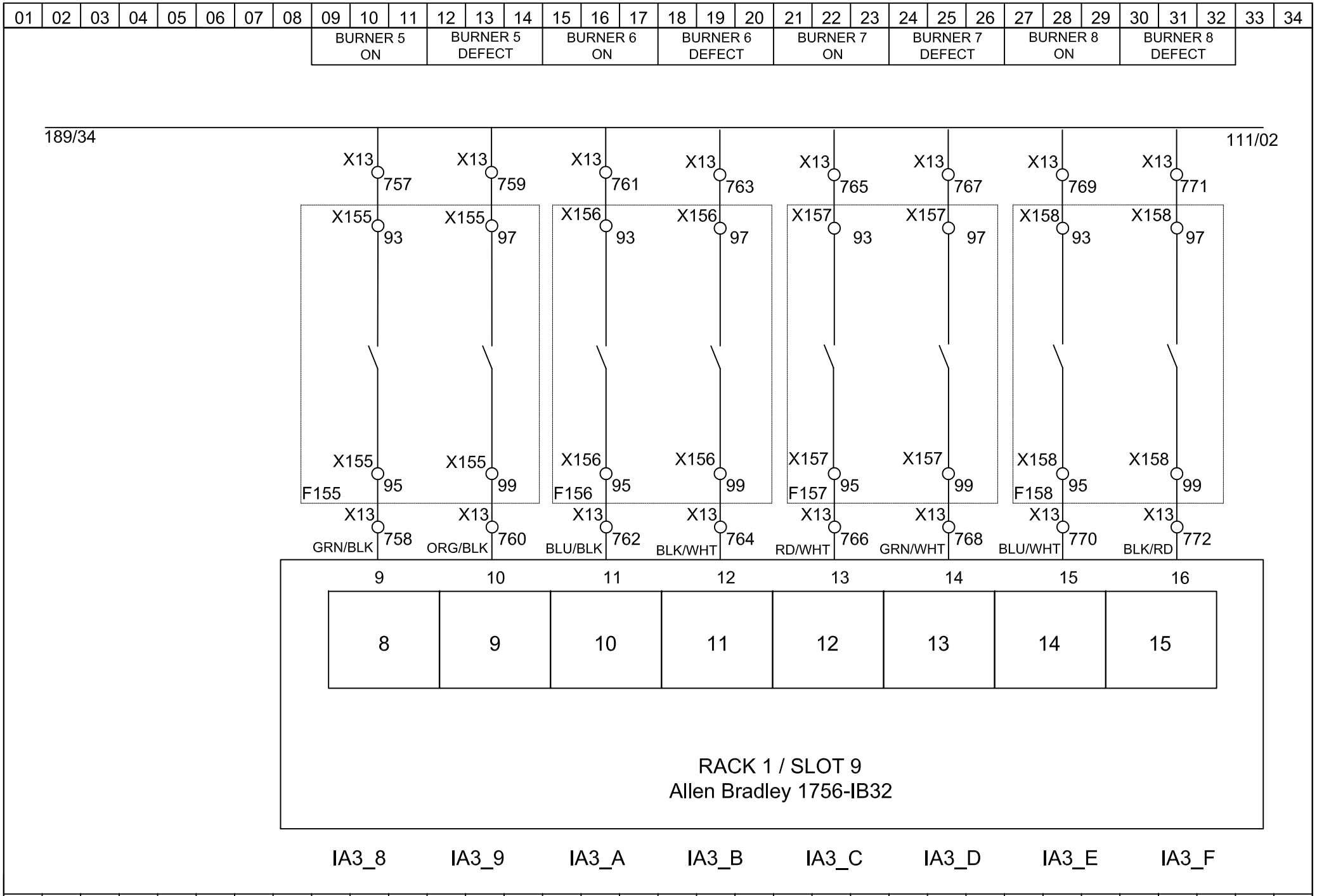
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	
CHECKED BY	

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION		Page #	
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM


01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
BURNER 1 ON
BURNER 1 DEFECT
BURNER 2 ON
BURNER 2 DEFECT
BURNER 3 ON
BURNER 3 DEFECT
BURNER 4 ON
BURNER 4 DEFECT
24 VDC / 12Q23
12/23
110/02
X13 741
X13 743
X13 745
X13 747
X13 749
X13 751
X13 753
X13 755
X151 93
X151 97
X152 93
X152 97
X153 93
X153 97
X154 93
X154 97
X151 95
X151 99
X152 95
X152 99
X153 95
X153 99
X154 95
X154 99
F151
F152
F153
F154
X13 742 BLK
X13 744 WHT
X13 746 RD
X13 748 GRN
X13 750 ORG
X13 752 BLU
X13 754 WHT/BLK
X13 756 RD/BLK
1 2 3 4 5 6 7 8
0 1 2 3 4 5 6 7
0 VDC
12/23
ORG/WHT-BLU
ORG/RD
36 GND-1
18 GND-0
RACK 1 / SLOT 9
Allen Bradley 1756-IB32
IA3_0 IA3_1 IA3_2 IA3_3 IA3_4 IA3_5 IA3_6 IA3_7
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
1 UPGRADE TO AB Bryan Hong 11/30/2023
REV. NO REV. DESCRIPTION REV. BY: REV. DATE
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF F13
Page # 109
Total
MATERIAL
SCALE NONE UNIT MM



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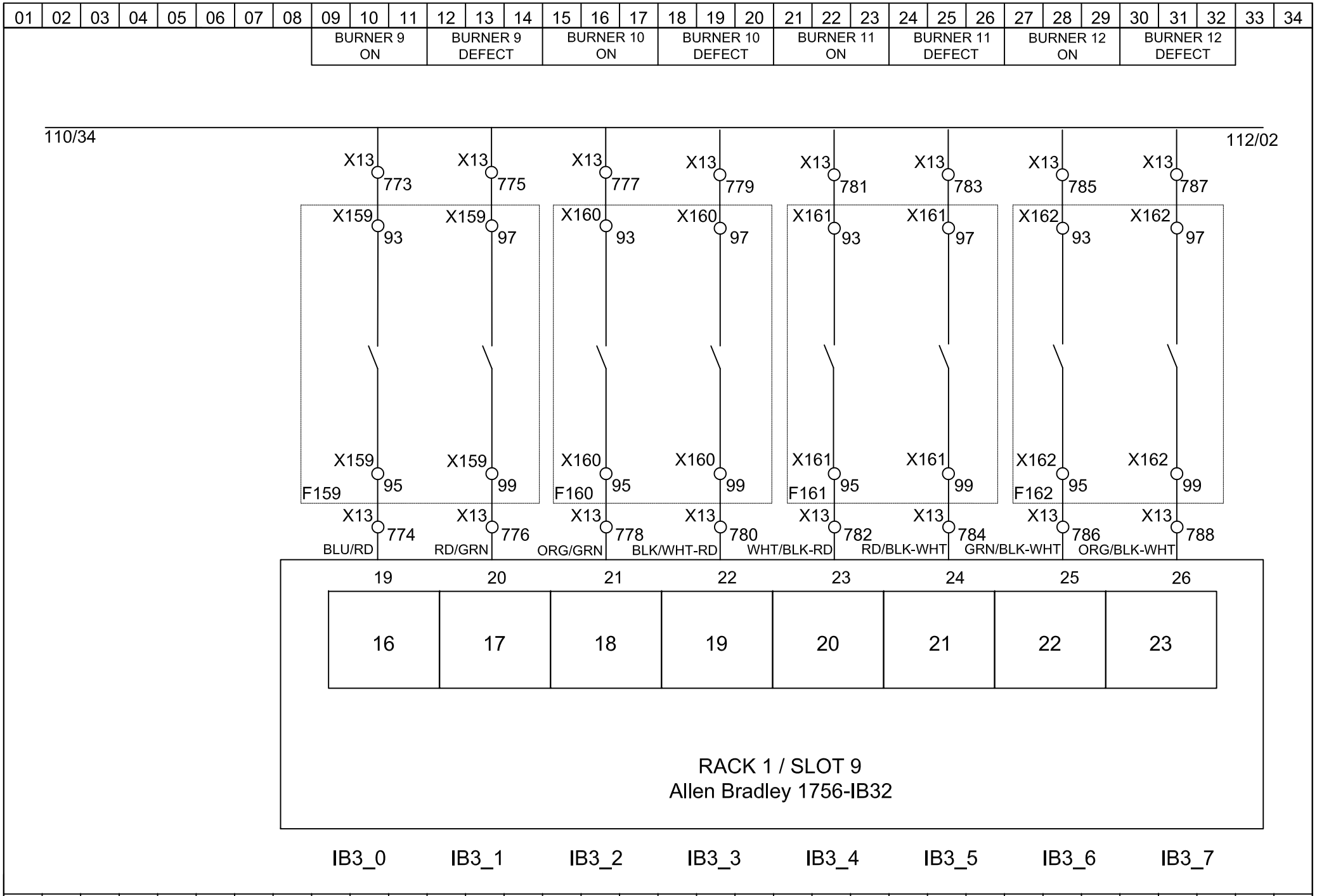
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BURNER 9 ON
BURNER 9 DEFECT
BURNER 10 ON
BURNER 10 DEFECT
BURNER 11 ON
BURNER 11 DEFECT
BURNER 12 ON
BURNER 12 DEFECT
110/34
112/02
X13 773
X13 775
X13 777
X13 779
X13 781
X13 783
X13 785
X13 787
X159 93
X159 97
X160 93
X160 97
X161 93
X161 97
X162 93
X162 97
X159 95
X159 99
X160 95
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X161 95
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X162 95
X162 99
F159
F160
F161
F162
X13 774
X13 776
X13 778
X13 780
X13 782
X13 784
X13 786
X13 788
BLU/RD
RD/GRN
ORG/GRN
BLK/WHT-RD
WHT/BLK-RD
RD/BLK-WHT
GRN/BLK-WHT
ORG/BLK-WHT
19 20 21 22 23 24 25 26
16 17 18 19 20 21 22 23
RACK 1 / SLOT 9
Allen Bradley 1756-IB32
IB3_0
IB3_1
IB3_2
IB3_3
IB3_4
IB3_5
IB3_6
IB3_7
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
1 UPGRADE TO AB Bryan Hong 11/30/2023
REV. NO REV. DESCRIPTION REV. BY: REV. DATE
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DRAWING NO.
DRAWN DATE: 03-03-2014
KF F13
Page # 111
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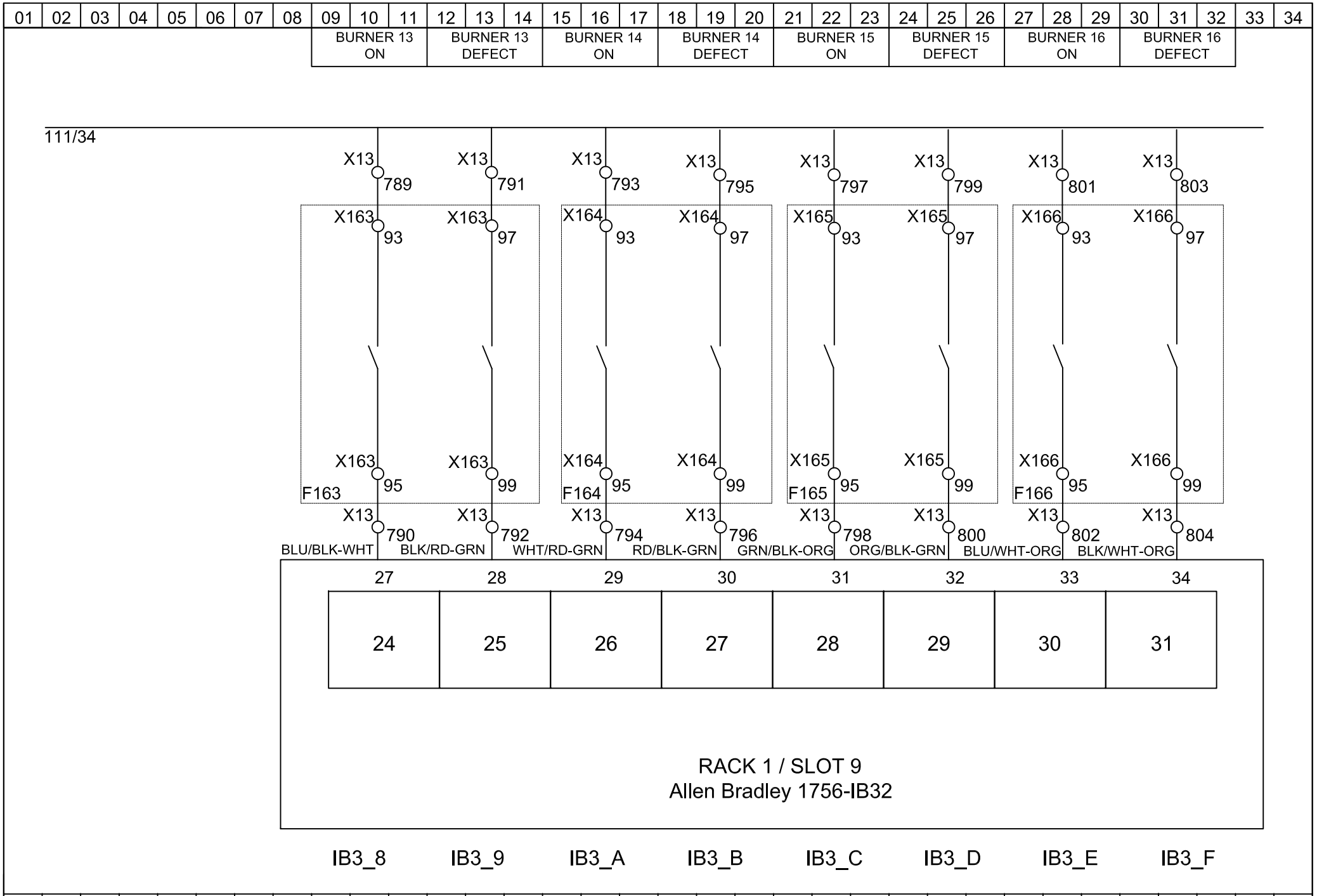
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
BURNER 13 ON
BURNER 13 DEFECT
BURNER 14 ON
BURNER 14 DEFECT
BURNER 15 ON
BURNER 15 DEFECT
BURNER 16 ON
BURNER 16 DEFECT
111/34
X13 789
X13 791
X13 793
X13 795
X13 797
X13 799
X13 801
X13 803
X163 93
X163 97
X164 93
X164 97
X165 93
X165 97
X166 93
X166 97
X163 95
X163 99
X164 95
X164 99
X165 95
X165 99
X166 95
X166 99
F163
F164
F165
F166
X13 790
X13 792
X13 794
X13 796
X13 798
X13 800
X13 802
X13 804
BLU/BLK-WHT
BLK/RD-GRN
WHT/RD-GRN
RD/BLK-GRN
GRN/BLK-ORG
ORG/BLK-GRN
BLU/WHT-ORG
BLK/WHT-ORG
27 28 29 30 31 32 33 34
24 25 26 27 28 29 30 31
RACK 1 / SLOT 9
Allen Bradley 1756-IB32
IB3_8
IB3_9
IB3_A
IB3_B
IB3_C
IB3_D
IB3_E
IB3_F
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY
JEFF LEE
CHECKED BY
VINCENT HUANG
1
UPGRADE TO AB
Bryan Hong
11/30/2023
REV. NO
REV. DESCRIPTION
REV. BY:
REV. DATE
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DRAWN DATE:
03-03-2014
Page #
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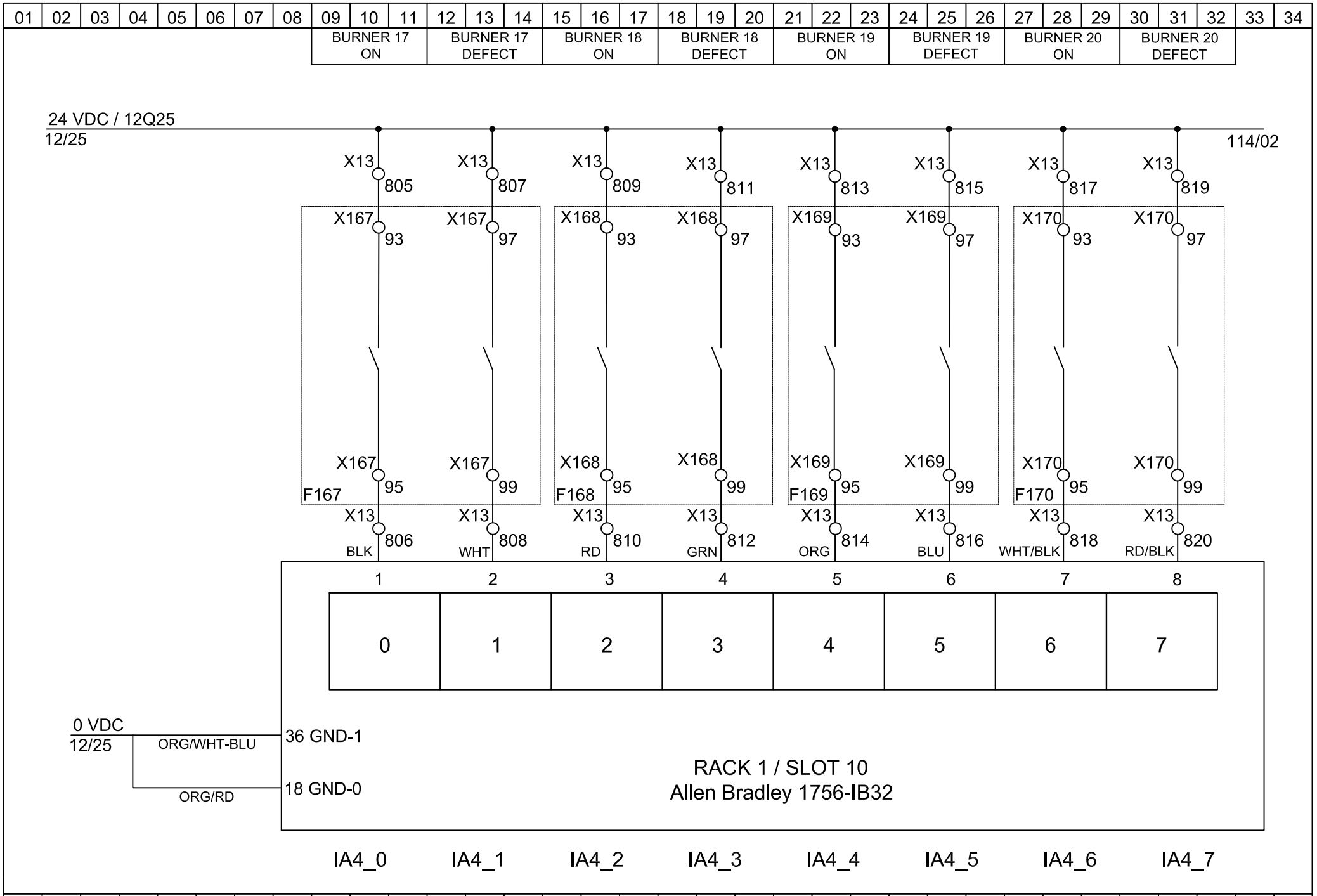

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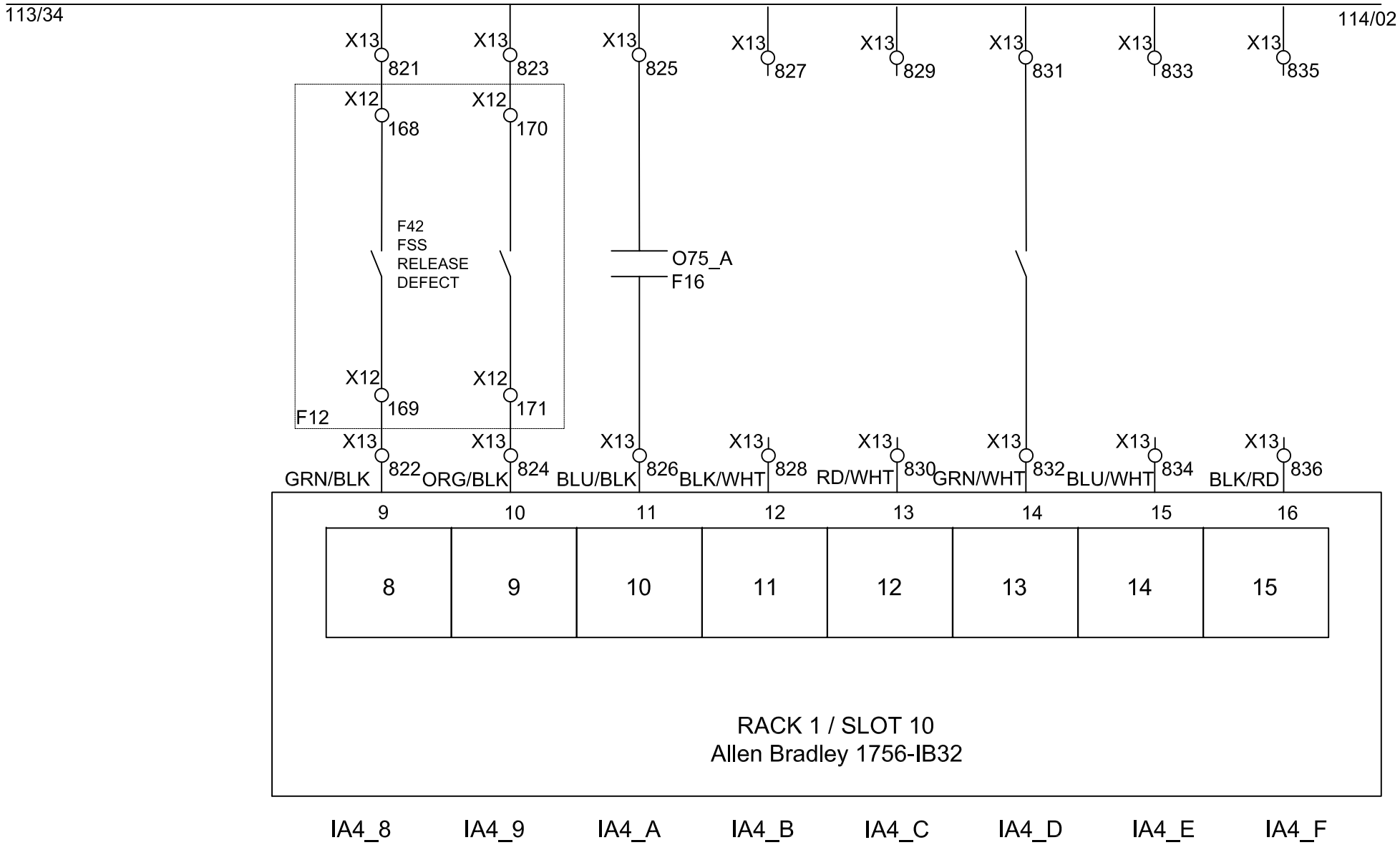
								BURNER 17 ON			BURNER 17 DEFECT			XE02 UP TO SPEED			FREE			FREE			LOW MODE F42			FREE			FREE				



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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY: JEFF LEE
CHECKED BY: VINCENT HUANG

32 P.L.C. DIGITAL INPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	LINE1 F13 UPGRADE	Leo Lin	01/23/2025
1	UPGRADE TO AB	Bryan Hong	11/30/2023

DRAWING DESCRIPTION: KF F13
DRAWING NO.:
DRAWN DATE: 03-03-2014

Page # 114
Total
MATERIAL
SCALE NONE
UNIT MM

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								FREE			FREE			FREE			FREE			FREE			FREE			FREE			FREE				

114/34 116/02

X13 837 X13 839 X13 841 X13 843 X13 845 X13 847 X13 849 X13 851

X13 838 BLU/RD X13 840 RD/GRN X13 842 ORG/GRN X13 844 BLK/WHT-RD X13 846 WHT/BLK-RD X13 848 RD/BLK-WHT X13 850 GRN/BLK-WHT X13 852 ORG/BLK-WHT

19	20	21	22	23	24	25	26
16	17	18	19	20	21	22	23

RACK 1 / SLOT 10
Allen Bradley 1756-IB32

IB4_0 IB4_1 IB4_2 IB4_3 IB4_4 IB4_5 IB4_6 IB4_7

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

32 P.L.C. DIGITAL INPUT

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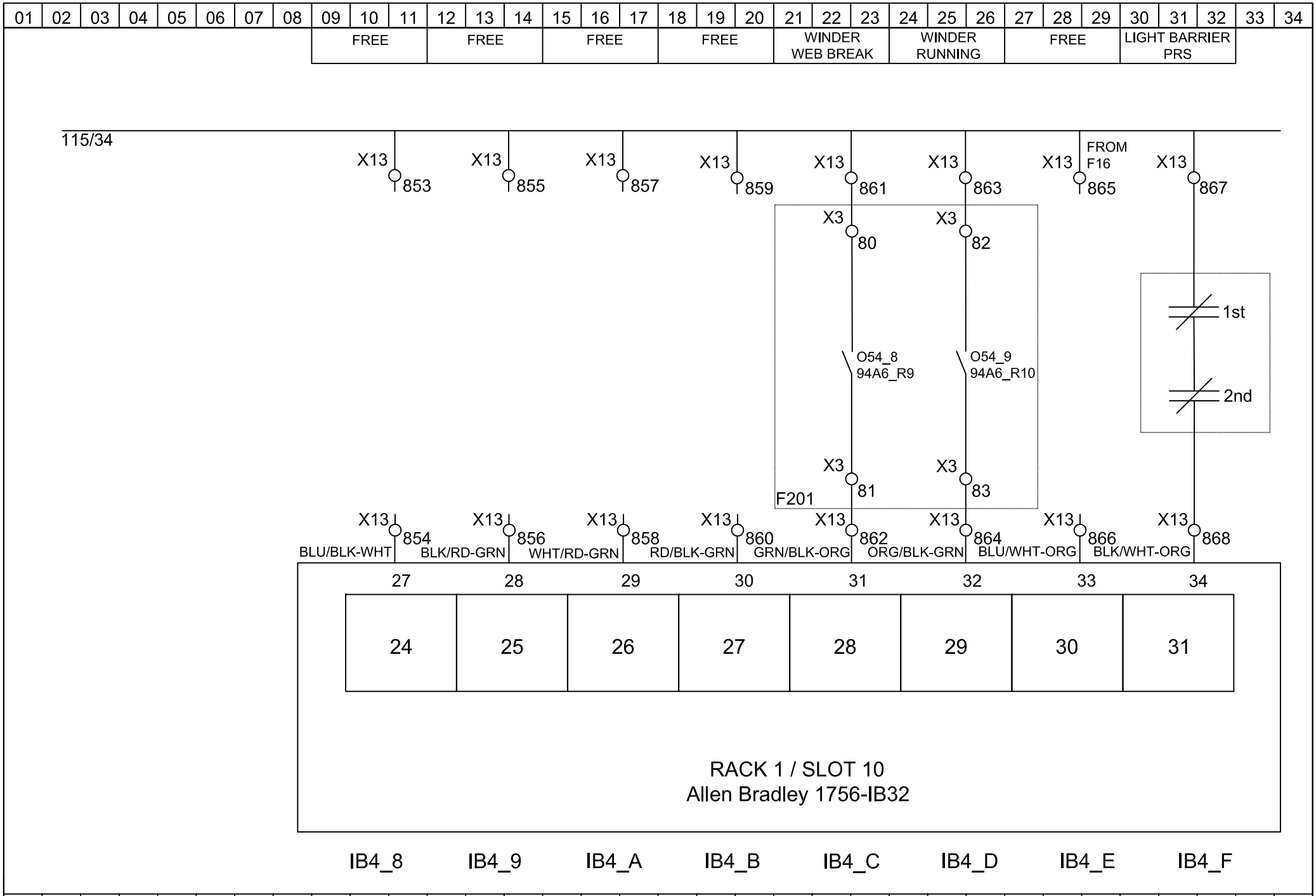
DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	116	
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CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE NONE	UNIT MM

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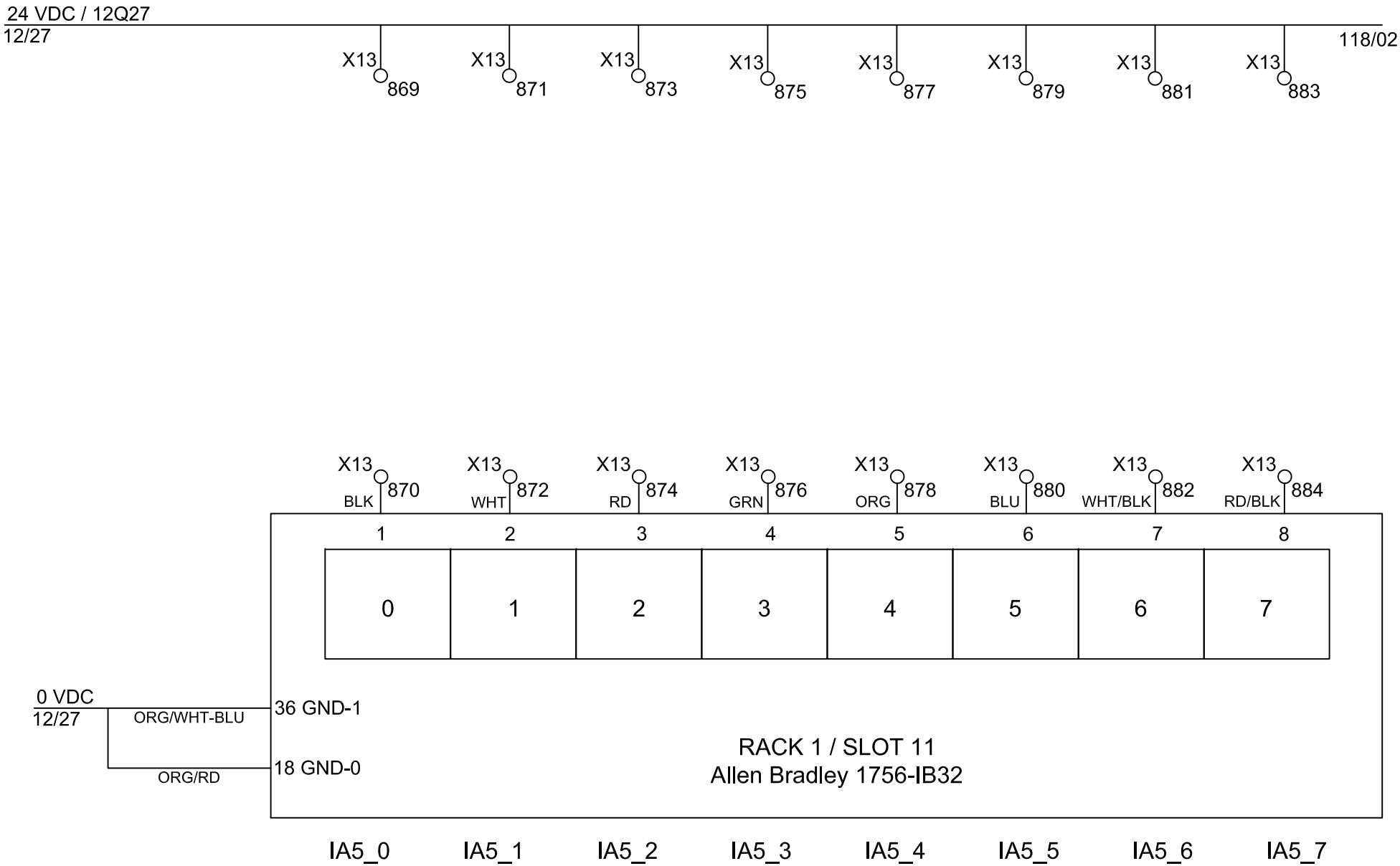

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY: JEFF LEE
CHECKED BY: VINCENT HUANG

32 P.L.C. DIGITAL INPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	UPGRADE TO AB	Bryan Hong	11/30/2023

DRAWING DESCRIPTION: KF F13
DRAWING NO.:
DRAWN DATE: 03-03-2014
Page # 117
Total
MATERIAL
SCALE NONE
UNIT MM

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
								FREE			FREE			FREE			FREE			FREE			FREE			FREE			FREE				

117/34

119/02

X13 885 X13 887 X13 889 X13 891 X13 893 X13 895 X13 897 X13 899

X13 886 GRN/BLK X13 888 ORG/BLK X13 890 BLU/BLK X13 892 BLK/WHT X13 894 RD/WHT X13 896 GRN/WHT X13 898 BLU/WHT X13 900 BLK/RD

9	10	11	12	13	14	15	16
8	9	10	11	12	13	14	15

RACK 1 / SLOT 11
Allen Bradley 1756-IB32

IA5_8 IA5_9 IA5_A IA5_B IA5_C IA5_D IA5_E IA5_F

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

32 P.L.C. DIGITAL INPUT

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REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG

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								FREE			FREE			FREE			FREE			FREE			FREE			FREE			FREE				

118/34 120/02

X13 901 X13 903 X13 905 X13 907 X13 909 X13 911 X13 913 X13 915

X13 902 BLU/RD X13 904 RD/GRN X13 906 ORG/GRN X13 908 BLK/WHT-RD X13 910 WHT/BLK-RD X13 912 RD/BLK-WHT X13 914 GRN/BLK-WHT X13 916 ORG/BLK-WHT

19	20	21	22	23	24	25	26
16	17	18	19	20	21	22	23

RACK 1 / SLOT 11
Allen Bradley 1756-IB32

IB5_0 IB5_1 IB5_2 IB5_3 IB5_4 IB5_5 IB5_6 IB5_7

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	119		
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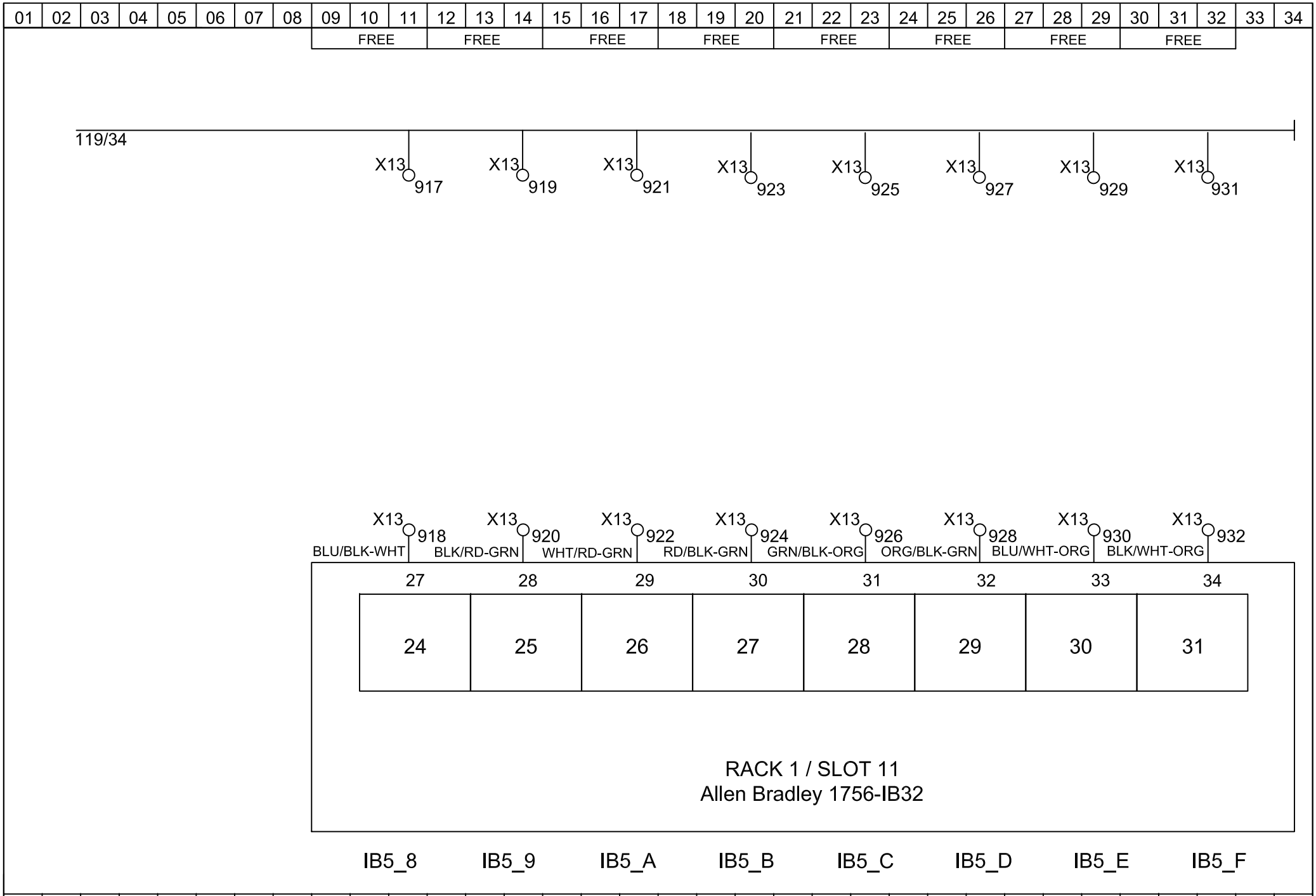

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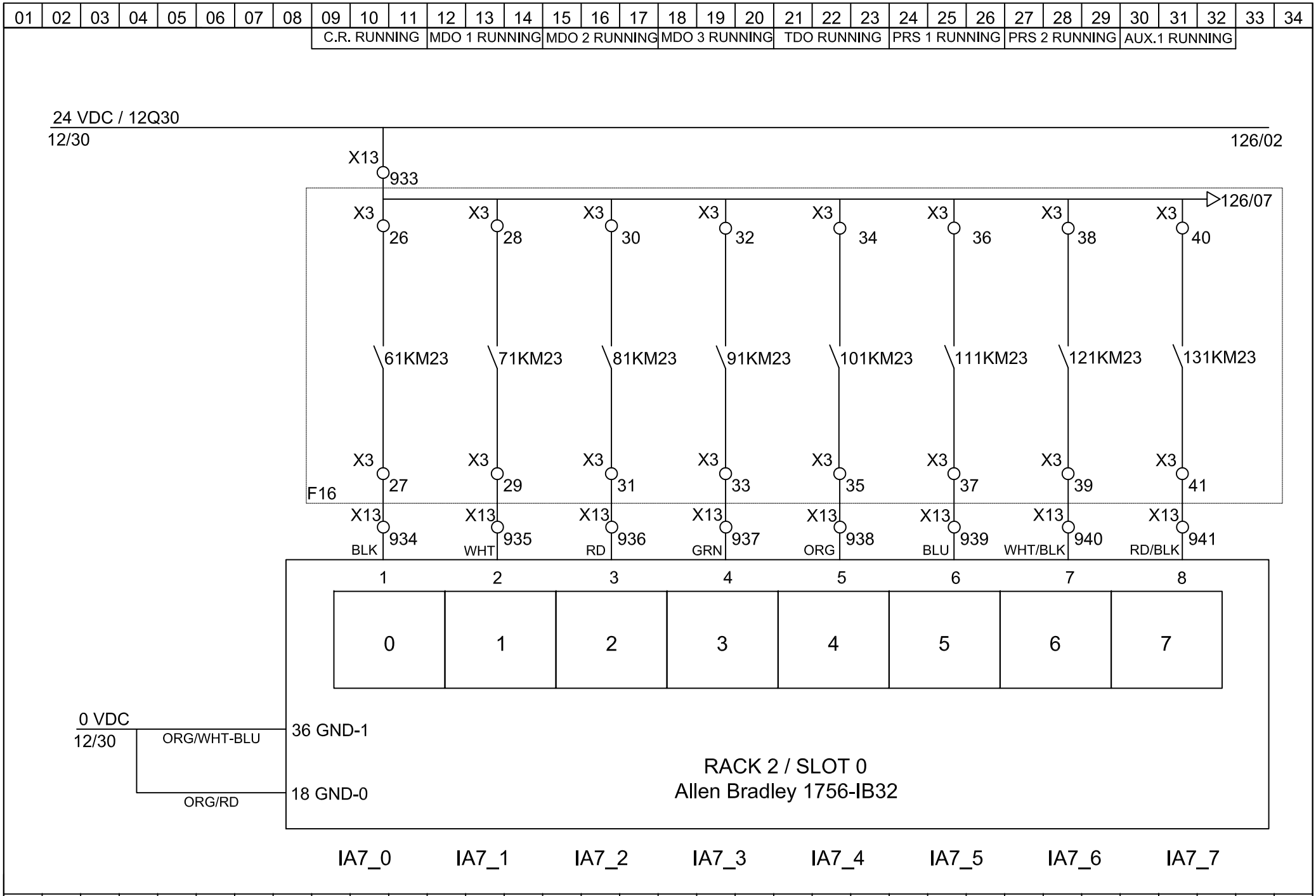

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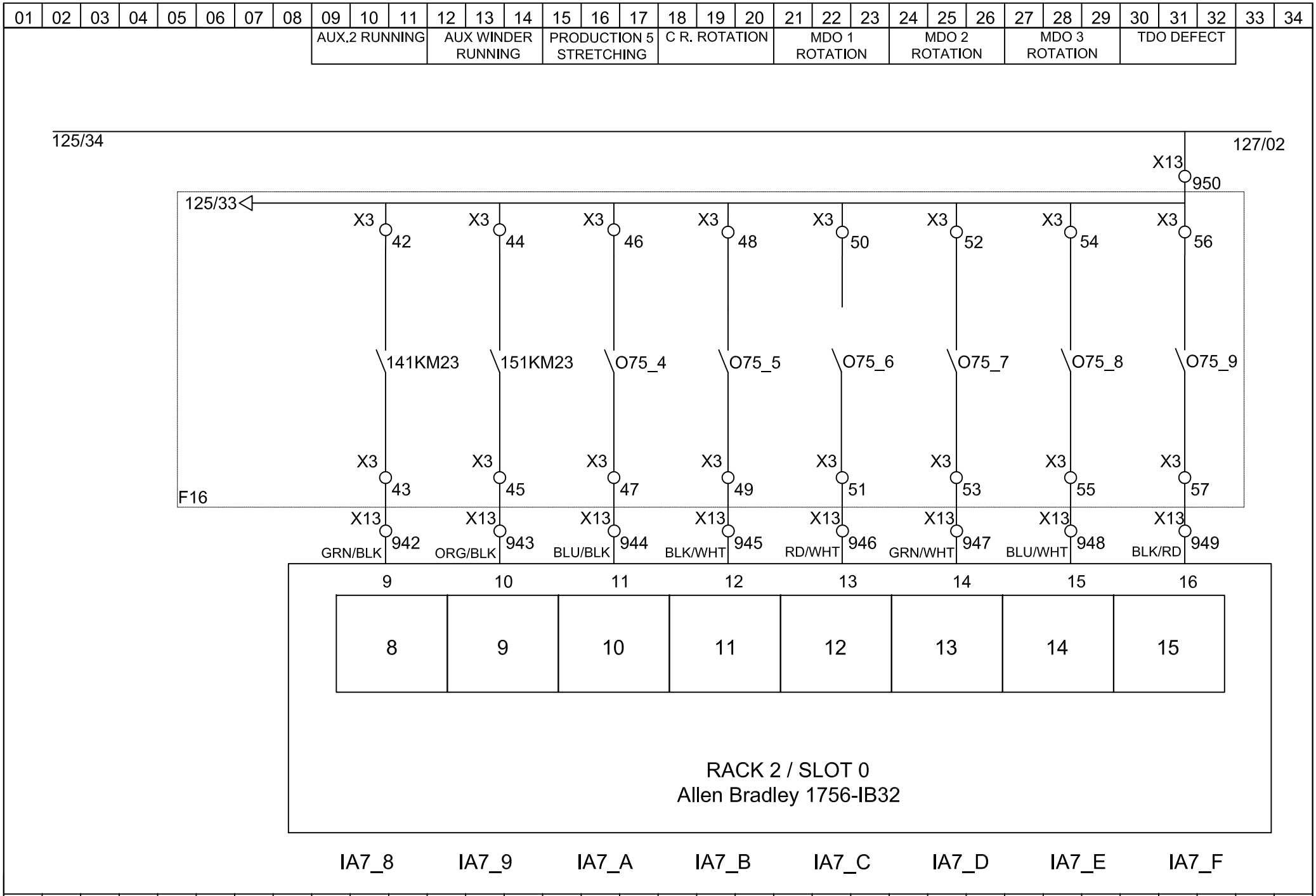

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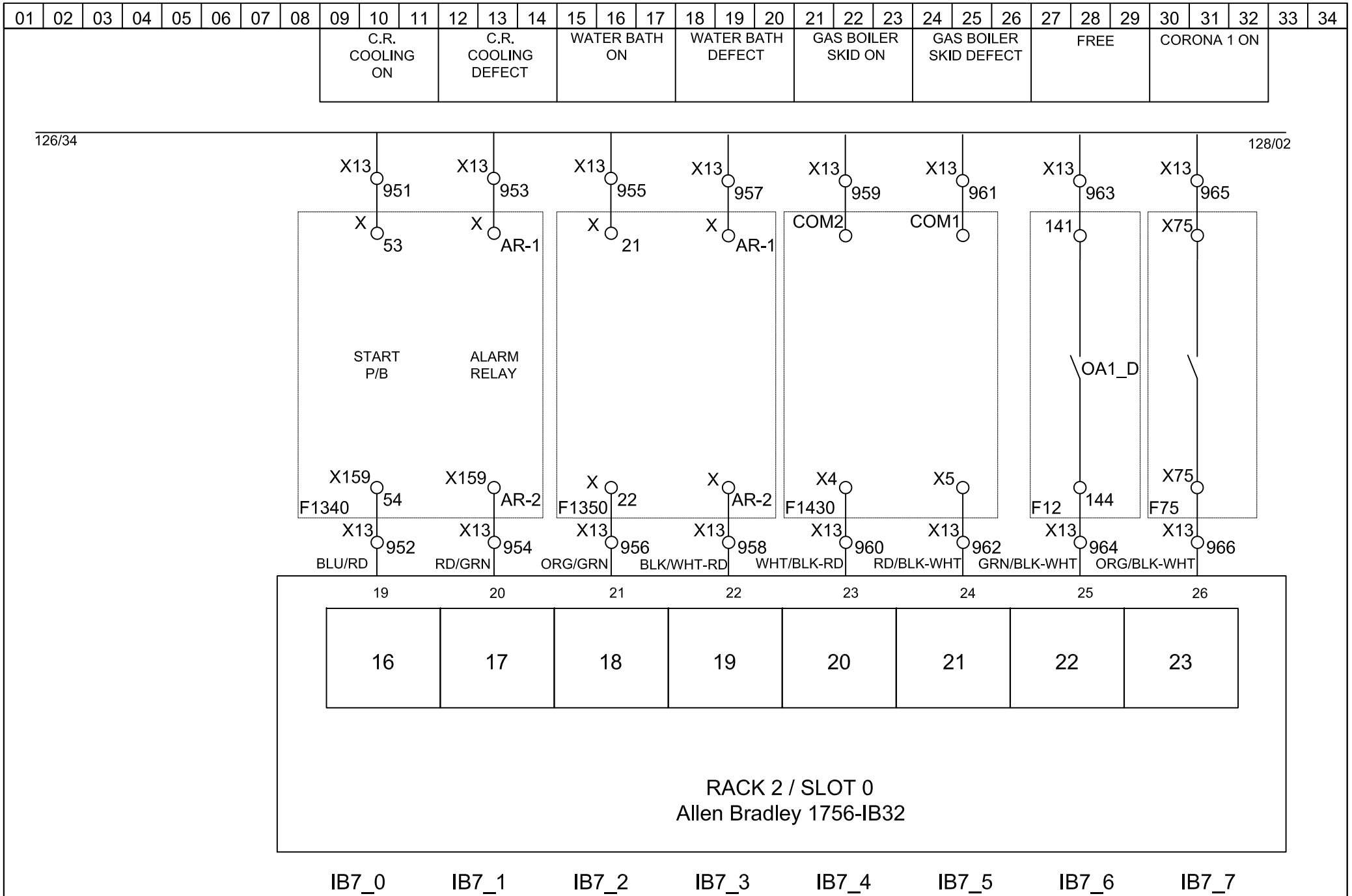

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	127	
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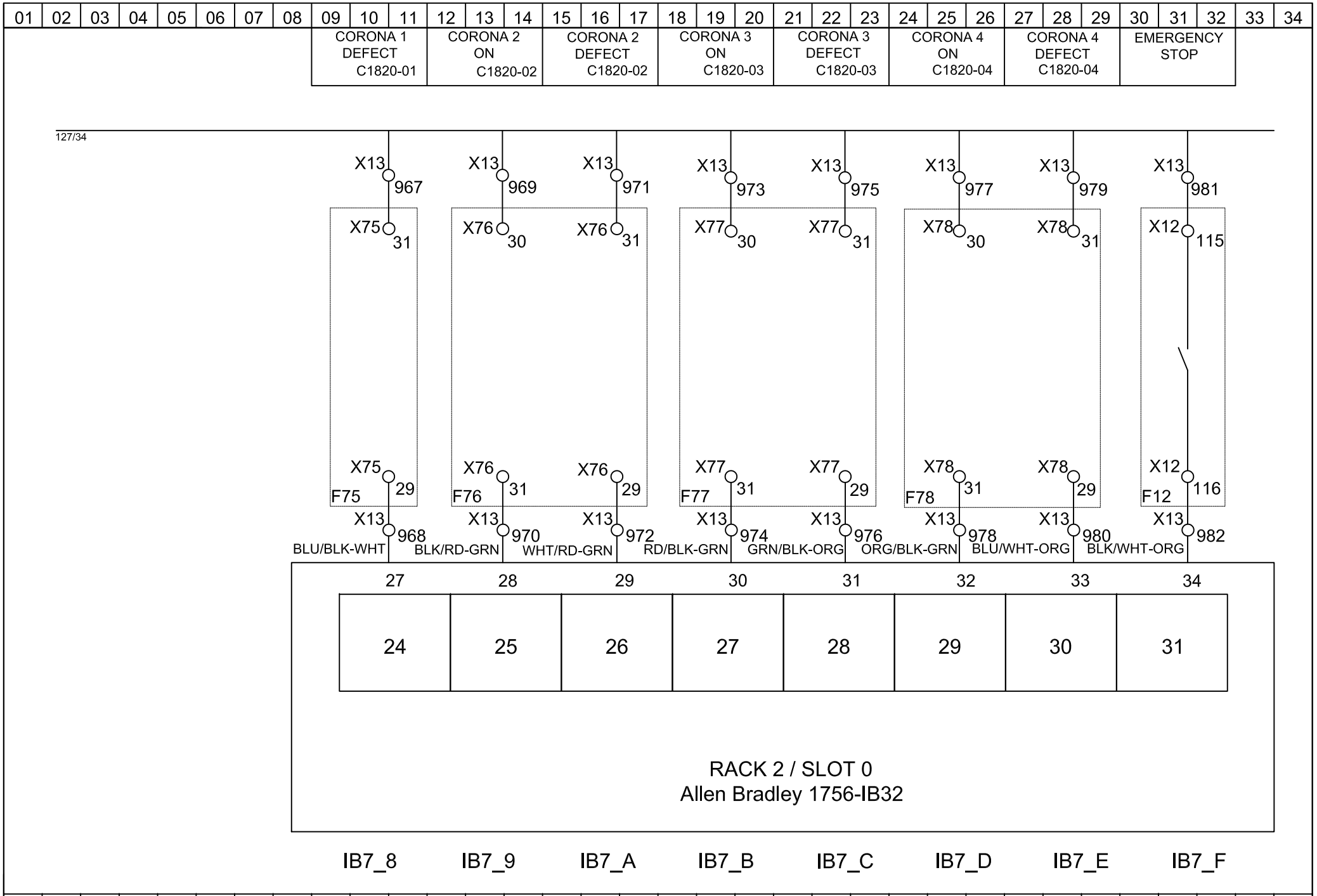

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	128			
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01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

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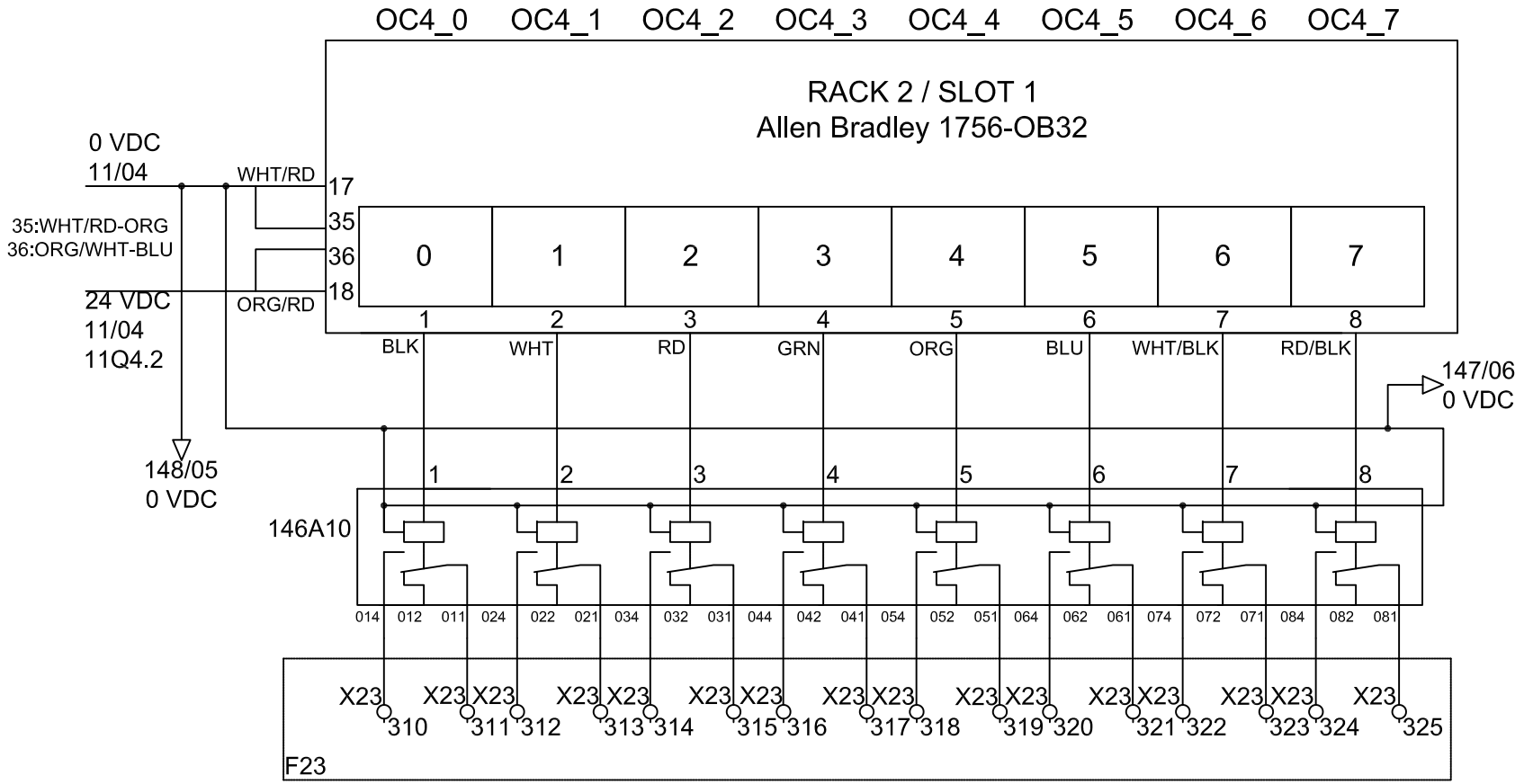
REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION		Page #	
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM

FAN FOR EXHAUST HOOD M1263-01	AIR KNIFE BLOWER M1310-01	FILM DRYING BLOWER M1310-02	FILM DRYING BLOWER M1310-03	C.R. DRYING BLOWER M1330-01	C.R. BRAKE Y1302-01	AUX. WINDER 1 BRAKE	AUX. WINDER NUM. 1 M1360-01&02



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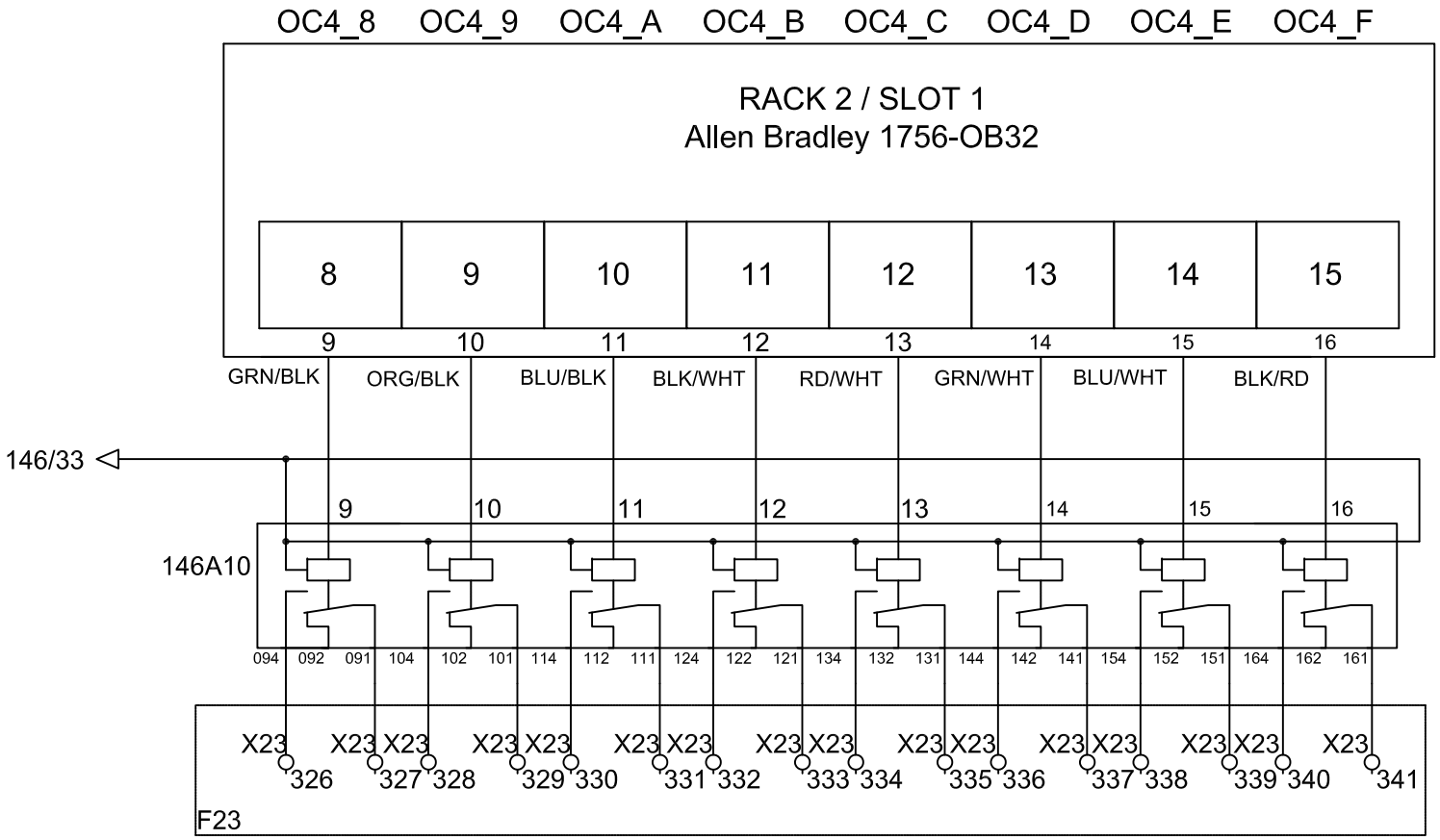
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

FREE	FREE	FREE	AUX. WINDER 2 BRAKE	AUX. WINDER NUM. 2 M1450-01&02	PUMP ROLL NUM. 1&2 M1430-01	PUMP ROLL NUM. 3&4 M1430-02	PUMP ROLL NUM. 5&6 M1430-03



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	147			
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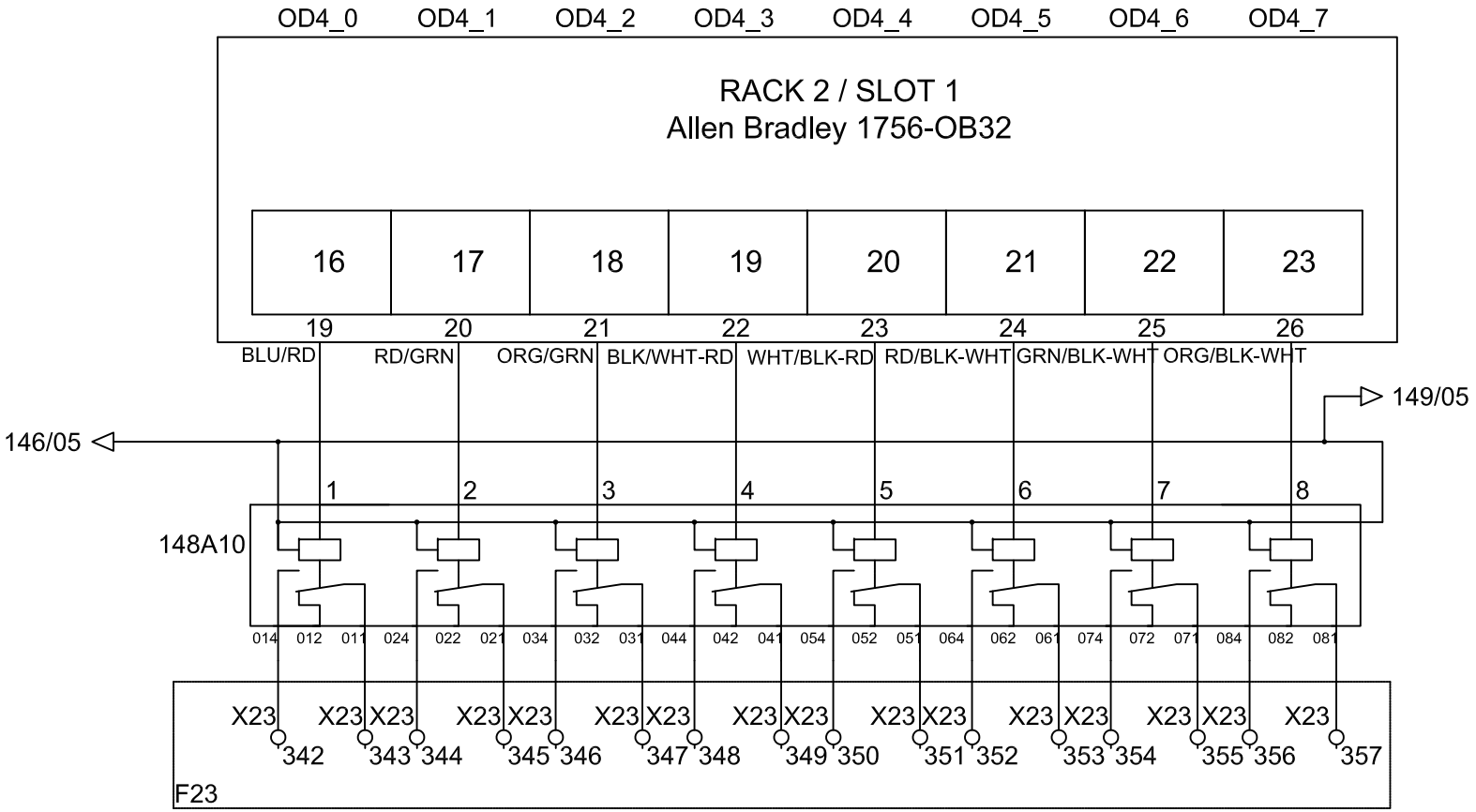
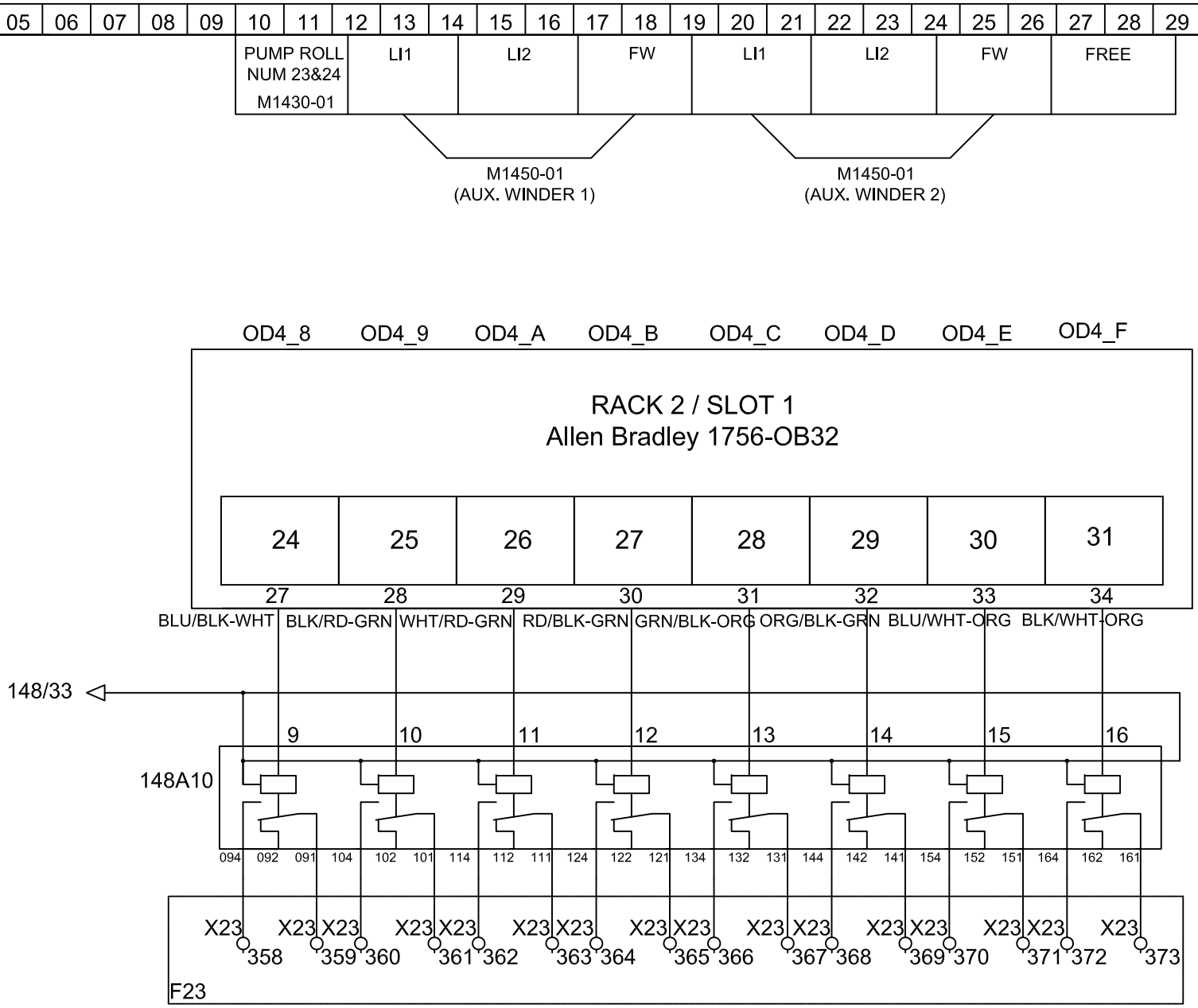
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

PUMP ROLL NUM. 7&8	PUMP ROLL NUM. 9&10	PUMP ROLL NUM. 11&12	PUMP ROLL NUM. 13&14	PUMP ROLL NUM. 15&16	PUMP ROLL NUM. 17&18	PUMP ROLL NUM. 19&20	PUMP ROLL NUM. 21&22
M1430-04	M1430-05	M1430-06	M1430-07	M1430-08	M1430-09	M1430-10	M1430-11

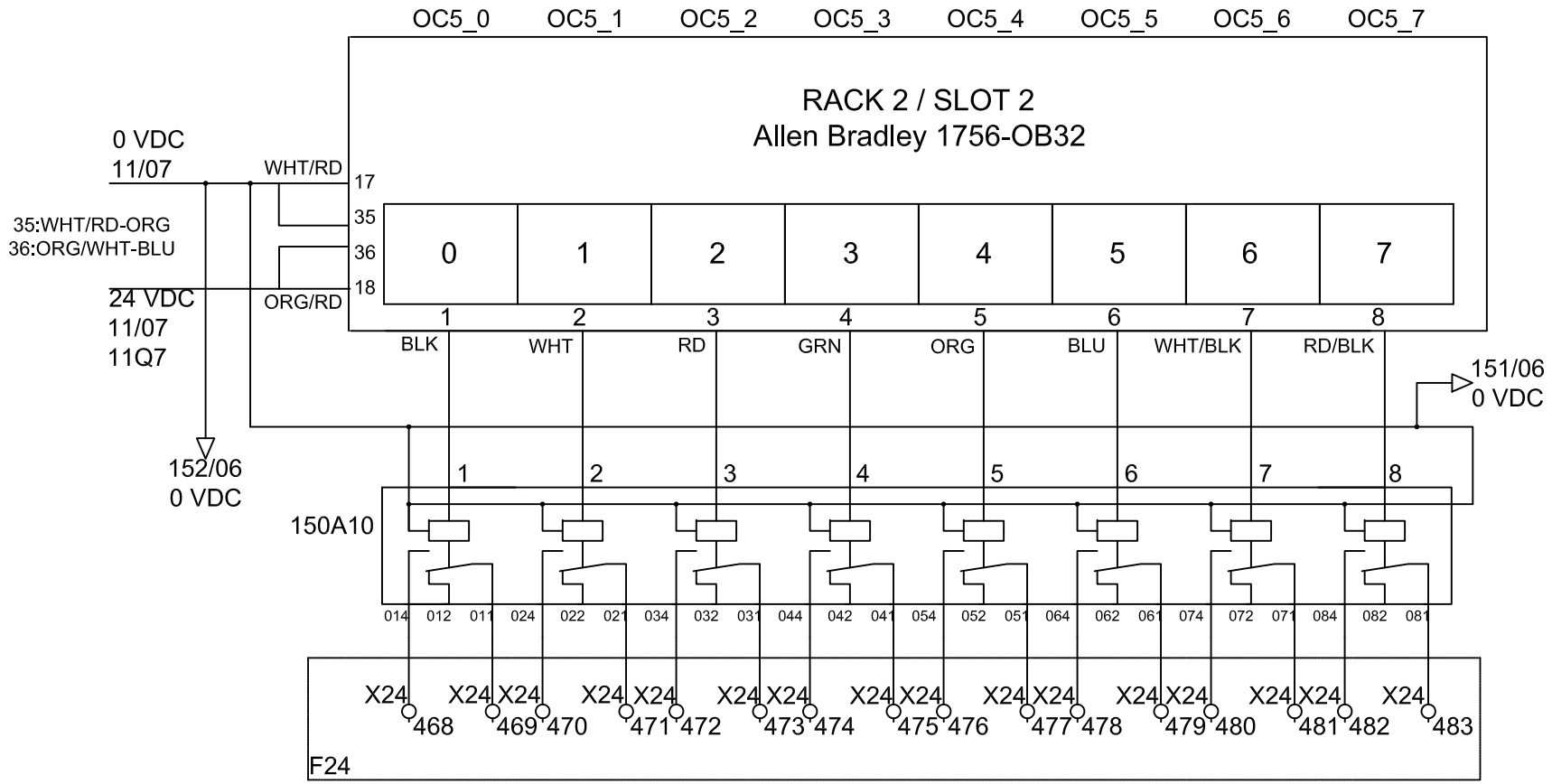


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	148			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/01/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



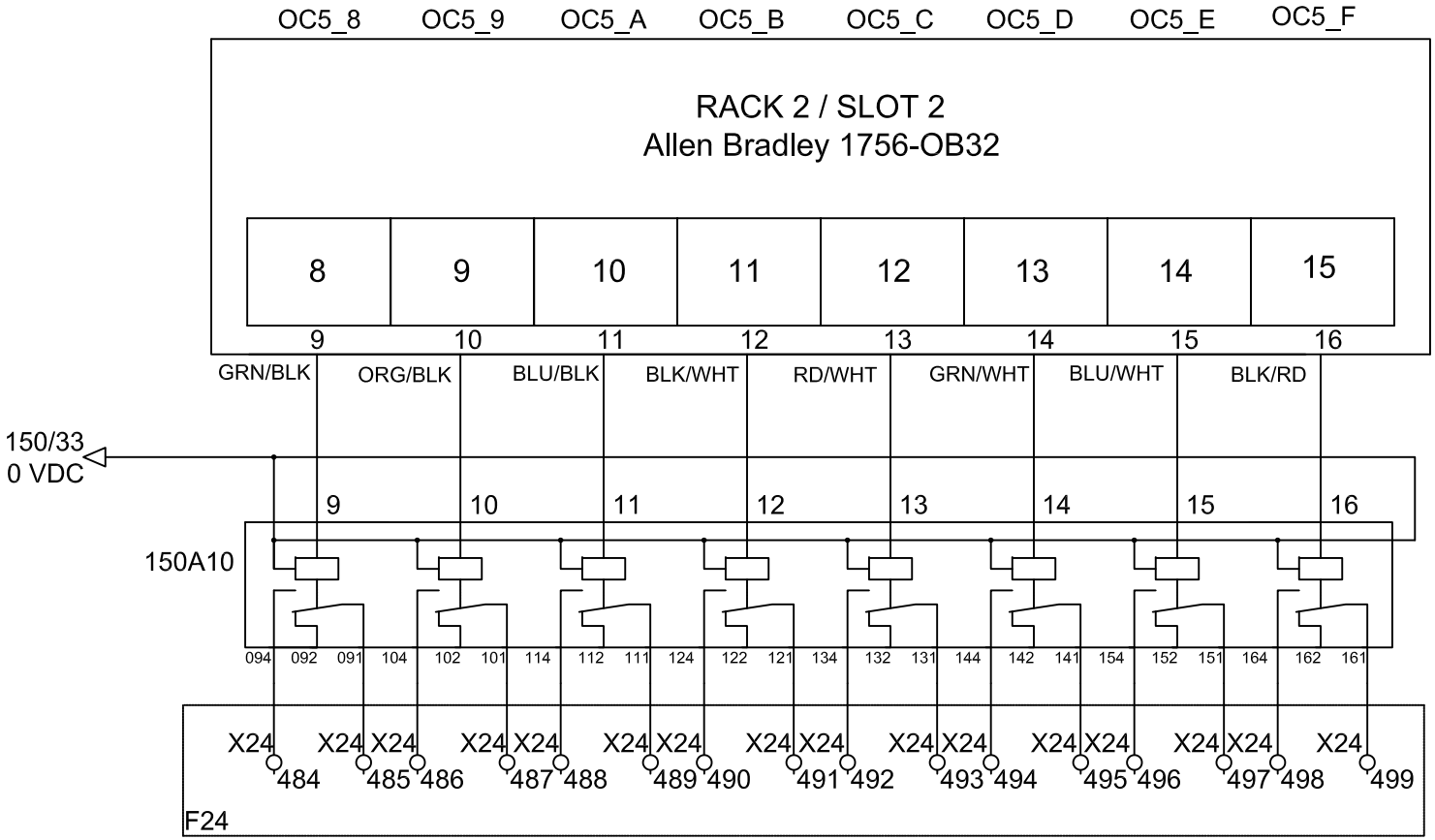
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	149	
							Total		
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/01/2023	DRAWING NO.		MATERIAL	
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE NONE	UNIT MM

CENT EXHAUST AIR FAN M1525-01	CLIPS COOLING M1528-01	CLIPS COOLING M1528-02	BOTTOM NEVTRAL ZONE EXHAUST	TOP NEVTRAL ZONE EXHAUST	FREE	FREE	AIR FAN ZONE 1(HS) M1520-01



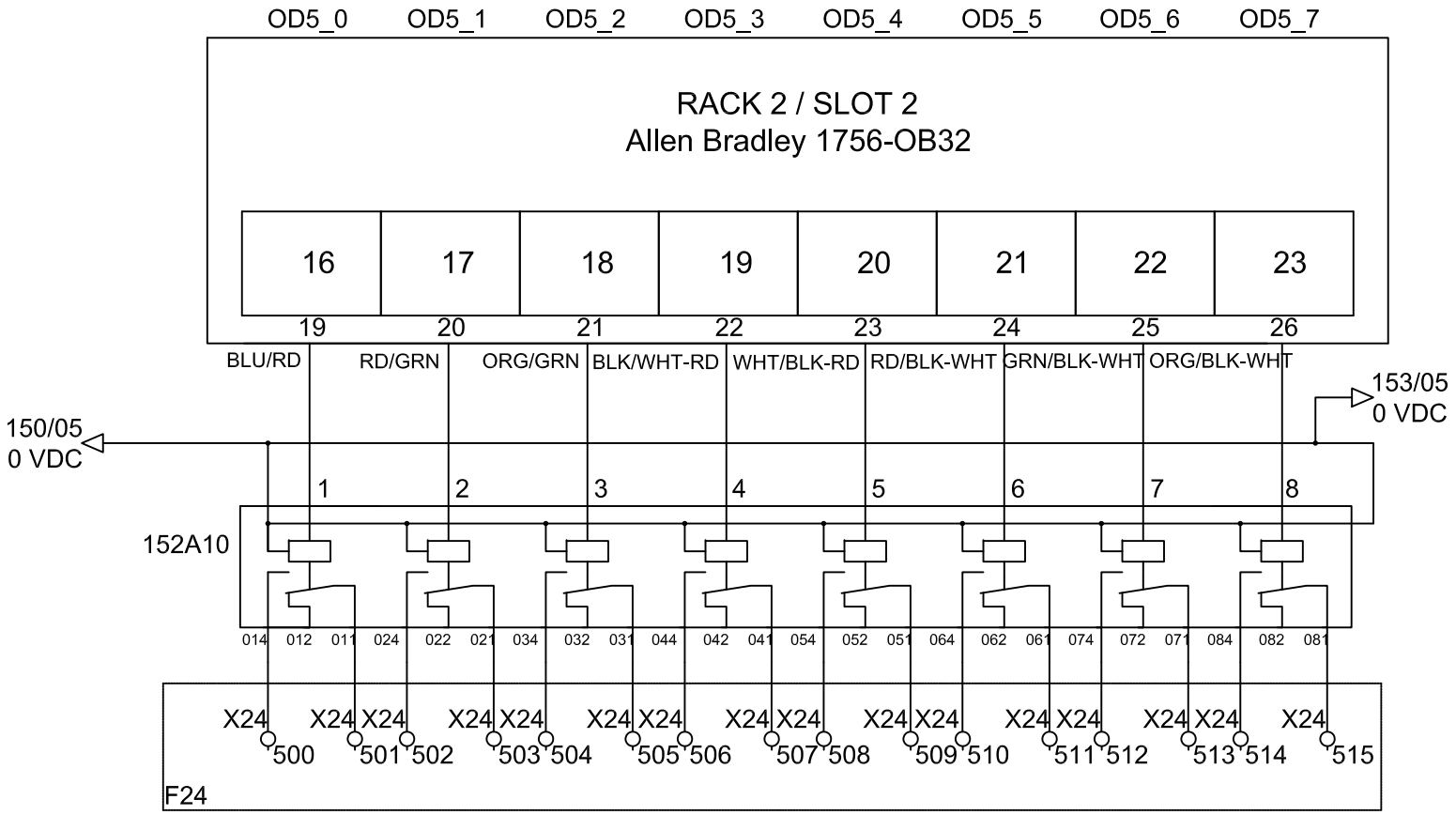
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	150			
		2	LINE1 F13 UPGRADE	Leo Lin	01/23/2025		Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/05/2023	DRAWING NO.	MATERIAL				
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014	SCALE	NONE	UNIT	MM	

AIR FAN ZONE 1 (L.S) M1520-01	AIR FAN ZONE 2 (H.S) M1520-02	AIR FAN ZONE 2 (L.S) M1520-02	AIR FAN ZONE 3 (H.S) M1520-03	AIR FAN ZONE 3 (L.S) M1520-03	AIR FAN ZONE 4 (H.S) M1520-04	AIR FAN ZONE 4 (L.S) M1520-04	AIR FAN ZONE 5 (H.S) M1520-05



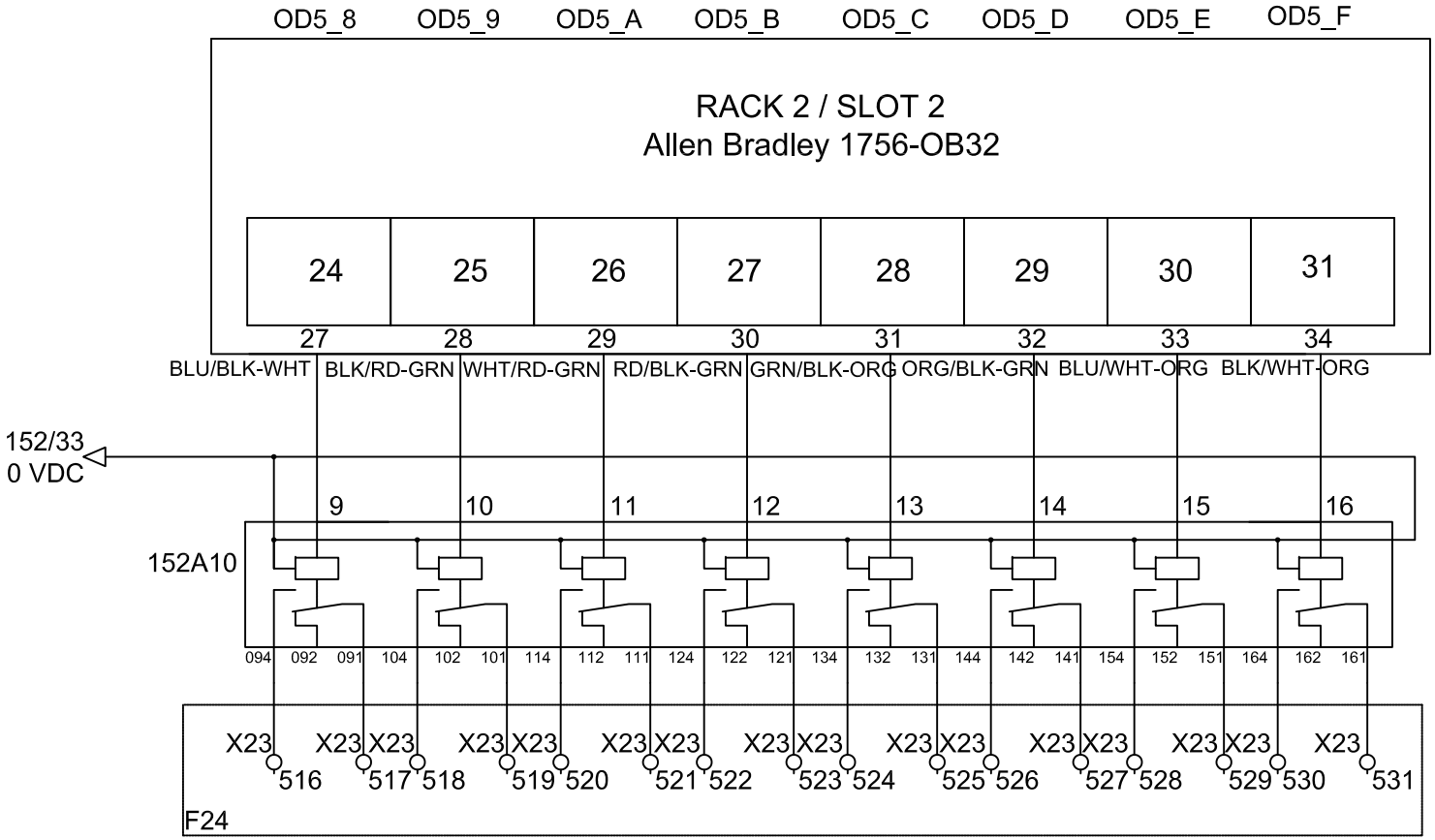
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	151			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/05/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

AIR FAN ZONE 5 (L.S) M1520-05	AIR FAN ZONE 6 (H.S) M1520-06	AIR FAN ZONE 6 (L.S) M1520-06	AIR FAN ZONE 7 (H.S) M1520-07	AIR FAN ZONE 7 (L.S) M1520-07	AIR FAN ZONE 8 (H.S) M1520-08	AIR FAN ZONE 8 (L.S) M1520-08	AIR FAN ZONE 9 (H.S) M1520-09

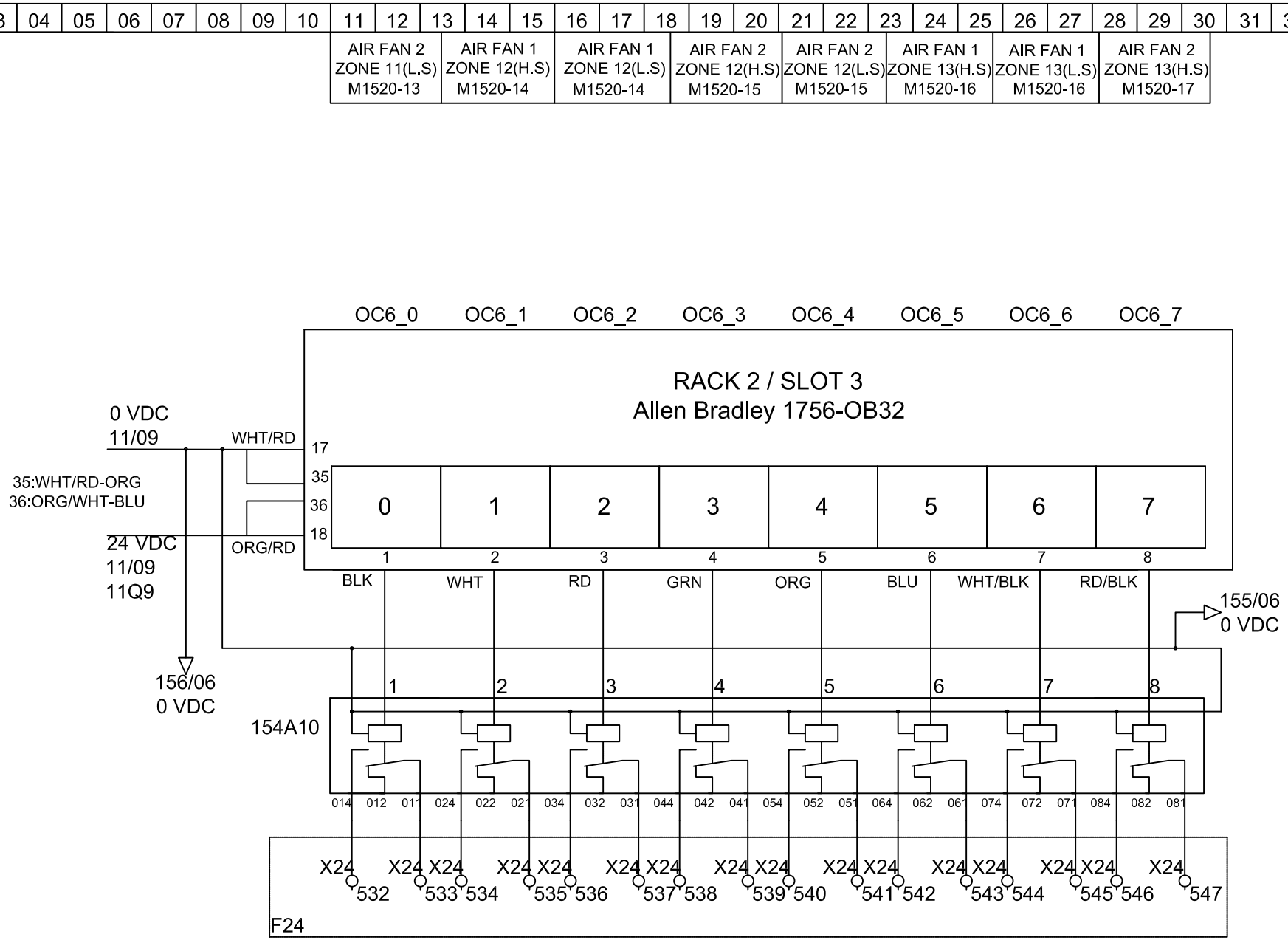


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	152		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/05/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

AIR FAN ZONE 9(L.S)	AIR FAN 1 ZONE 10(H.S)	AIR FAN 1 ZONE 10(L.S)	AIR FAN 2 ZONE 11(H.S)	AIR FAN 2 ZONE 11(L.S)	AIR FAN 1 ZONE 12(H.S)	AIR FAN 1 ZONE 12(L.S)	AIR FAN 2 ZONE 13 (H.S)
M1520-9	M1520-10	M1520-10	M1520-11	M1520-11	M1520-12	M1520-12	M1520-13

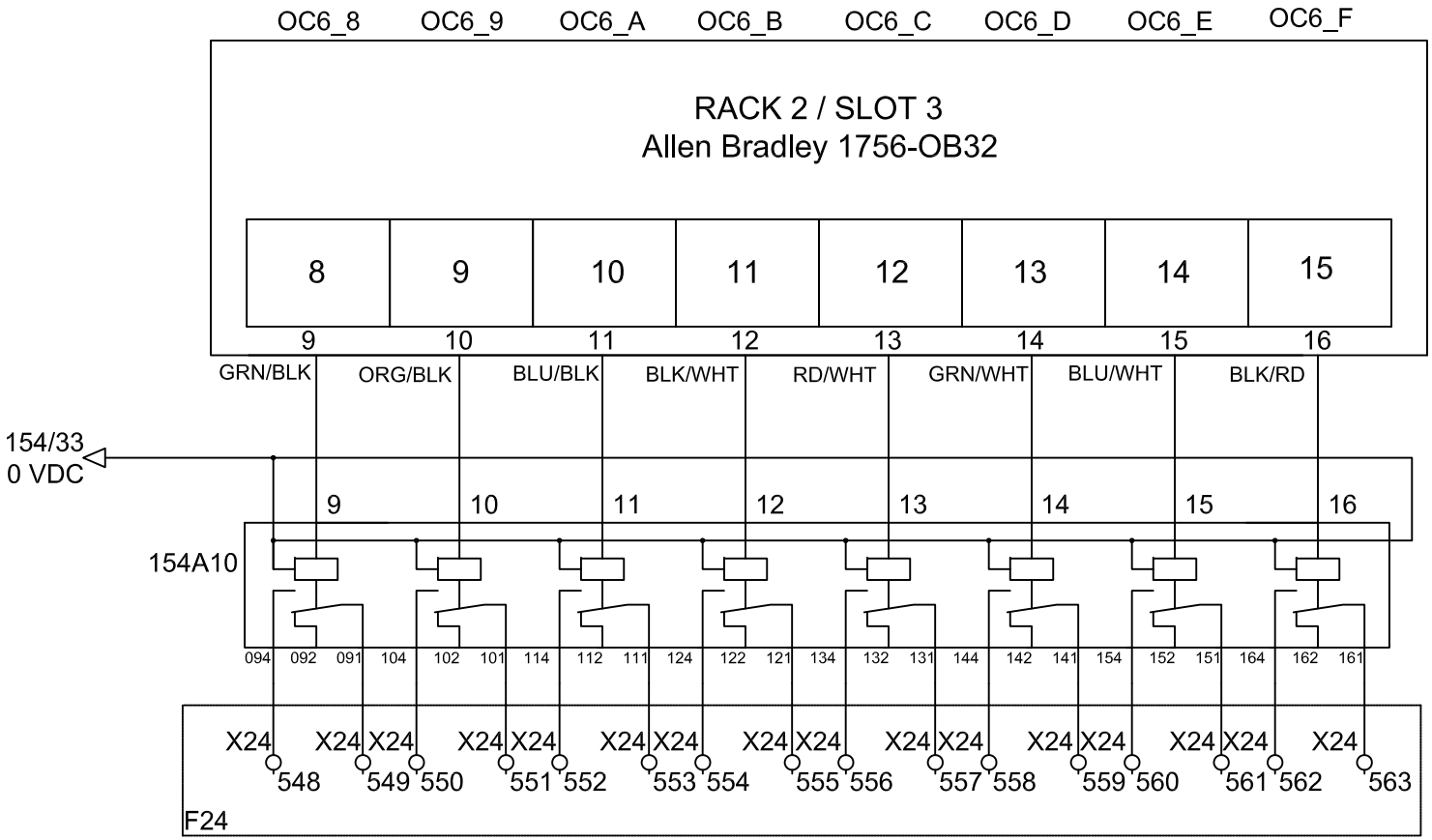


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT			DRAWING DESCRIPTION	KF F13	Page #	153				
						Total					
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/05/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



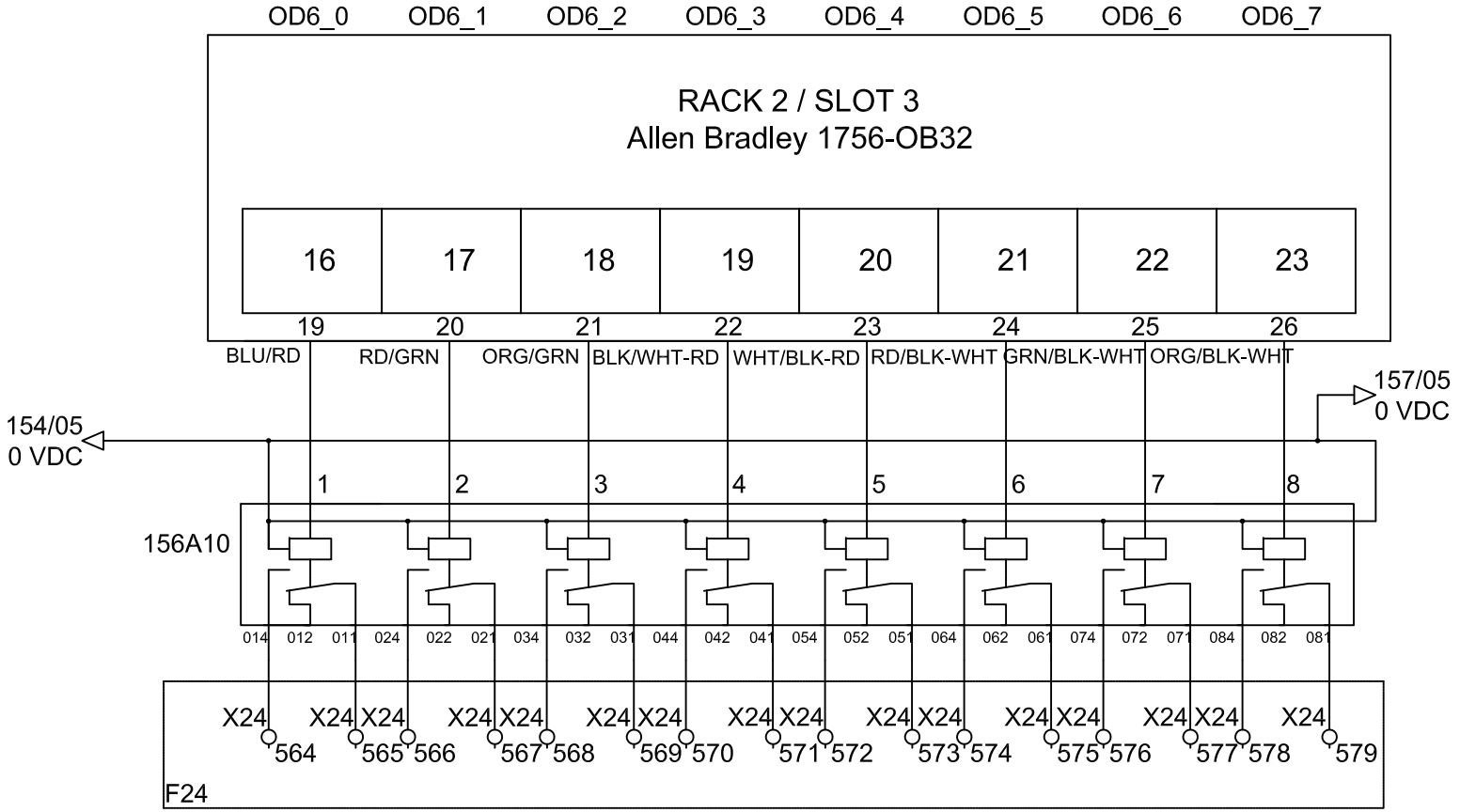
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	154		
		2	LINE1 F13 UPGRADE	Leo Lin	01/23/2025			Total			
DRAWN BY JEFF LEE		1	REDRAW	Bryan Hong	1/9/2024	DRAWING NO.		MATERIAL			
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

AIR FAN 2 ZONE 13(L.S) M1520-17	AIR FAN 1 ZONE 14(H.S) M1520-18	AIR FAN 1 ZONE 14(L.S) M1520-18	AIR FAN 2 ZONE 14(H.S) M1520-19	AIR FAN 2 ZONE 14(L.S) M1520-19	AIR FAN 1 ZONE 15(H.S) M1520-20	AIR FAN 1 ZONE 15 (L.S) M1520-20	AIR FAN 2 ZONE 15 (H.S) M1520-21



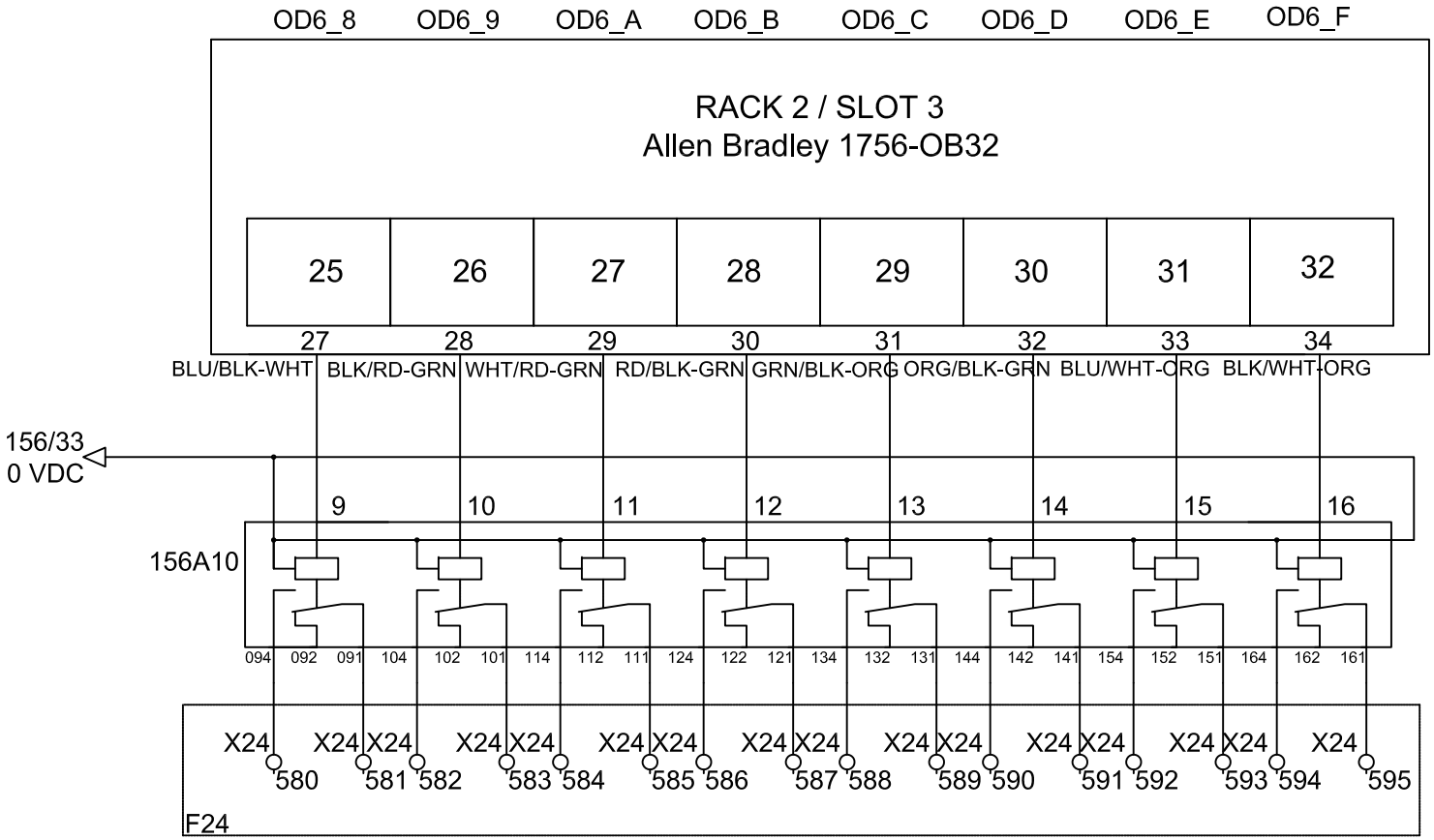
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	155			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/05/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

AIR FAN 2 ZONE 15(L.S)	AIR FAN 1 ZONE 16(H.S)	AIR FAN 1 ZONE 16(L.S)	AIR FAN 2 ZONE 16(H.S)	AIR FAN 2 ZONE 16(L.S)	AIR FAN 1 ZONE 17(H.S)	AIR FAN 1 ZONE 17(L.S)	AIR FAN 2 ZONE 17 (H.S)
M1520-21	M1520-22	M1520-22	M1520-23	M1520-23	M1520-24	M1520-24	M1520-25



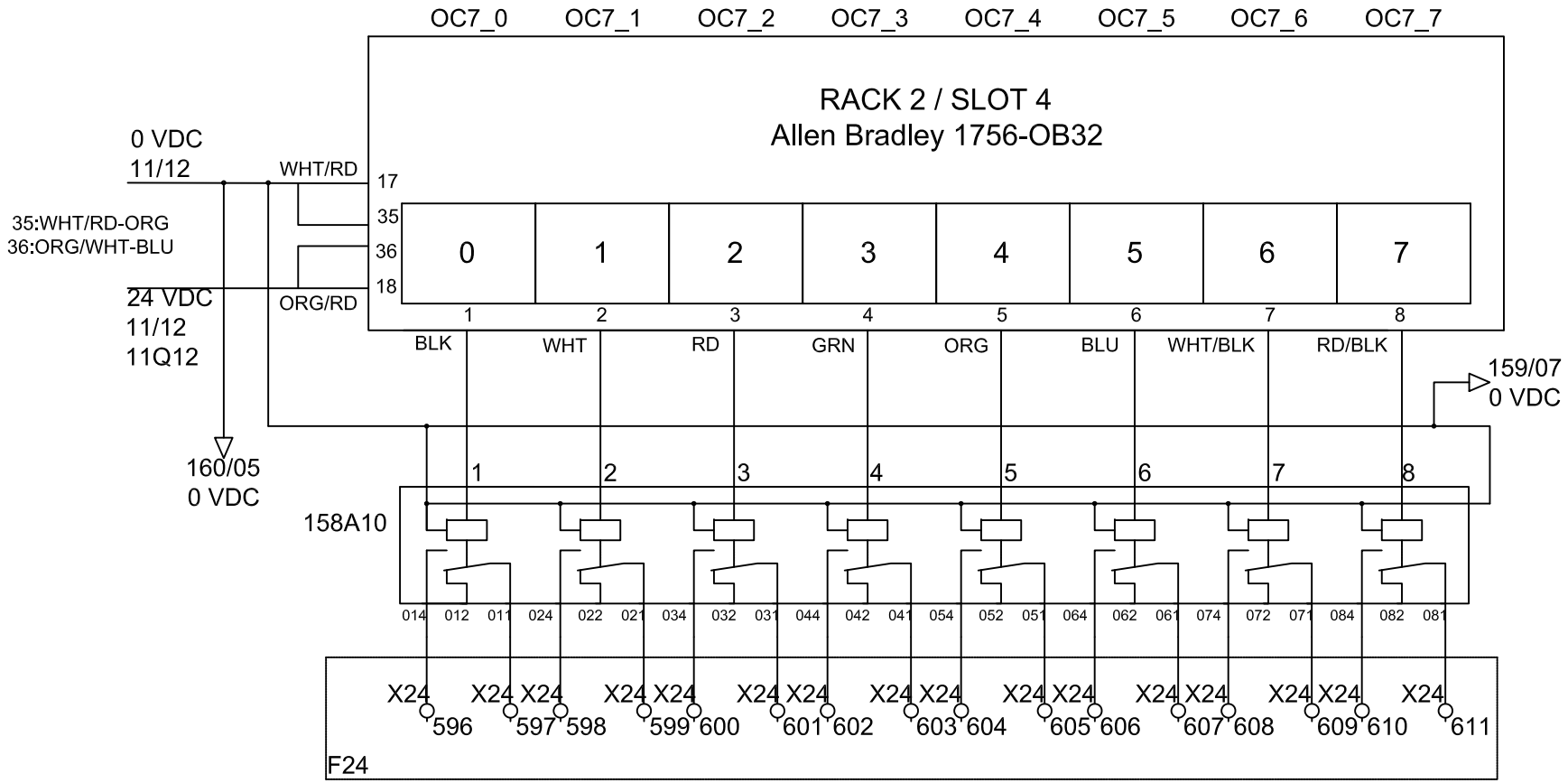
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT			DRAWING DESCRIPTION	KF F13	Page #	156		
						Total			
DRAWN BY JEFF LEE		1	UPGRADE TO AB	Bryan Hong	12/05/2023	DRAWING NO.		MATERIAL	
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE NONE	UNIT MM

AIR FAN 2 ZONE 17(L.S) M1520-25	AIR FAN 1 ZONE 18(H.S) M1520-26	AIR FAN 1 ZONE 18(L.S) M1520-26	AIR FAN 2 ZONE 18(H.S) M1520-27	AIR FAN 2 ZONE 18(L.S) M1520-27	AIR FAN 1 ZONE 19(H.S) M1520-28	AIR FAN 1 ZONE 19(L.S) M1520-28	AIR FAN 2 ZONE 19(H.S) M1520-29



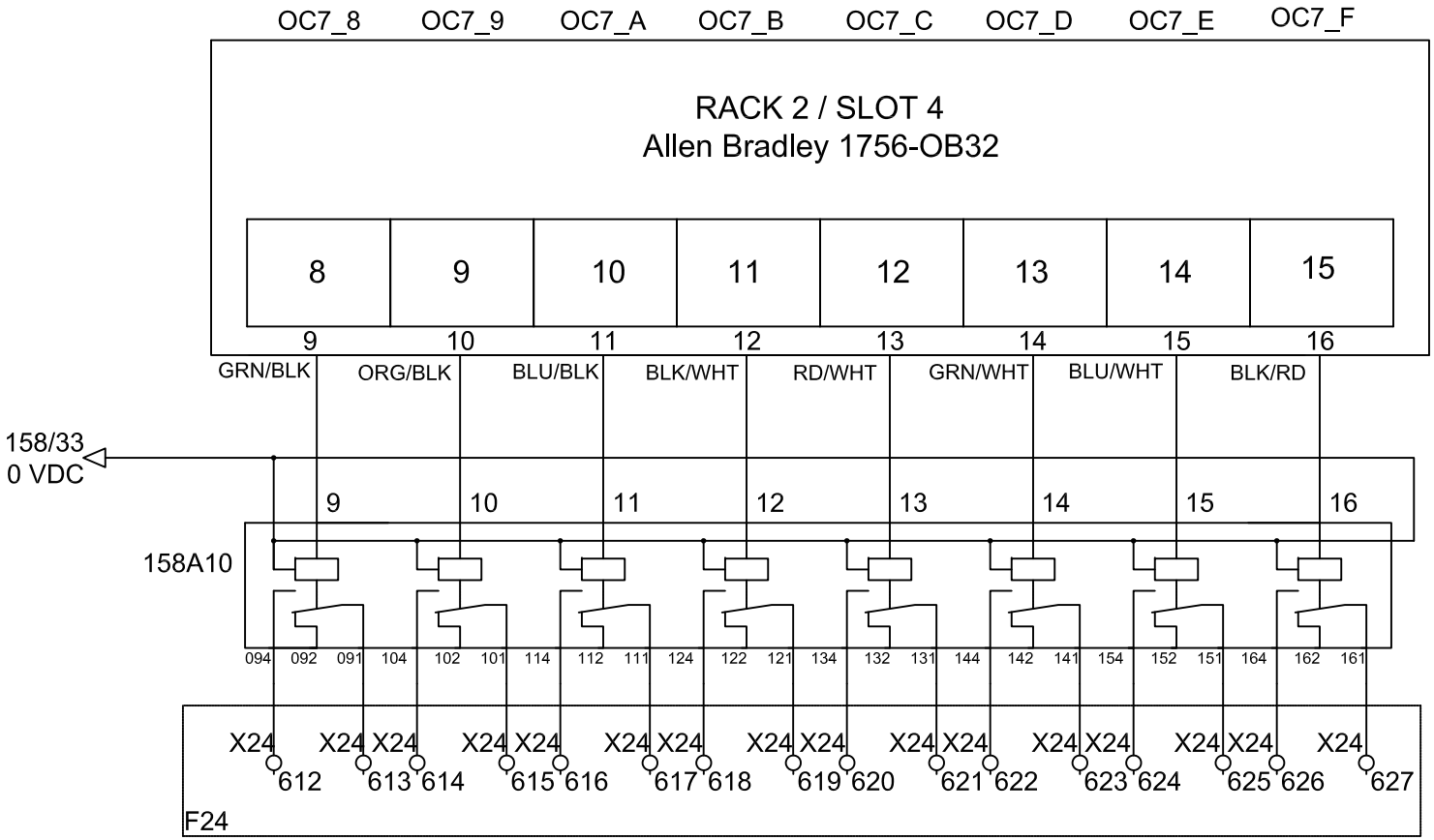
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	157		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/05/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

AIR FAN 2 ZONE 19(L.S) M1520-29	AIR FAN 1 ZONE 20(H.S) M1520-30	AIR FAN 1 ZONE 20(L.S) M1520-30	AIR FAN 2 ZONE 20(H.S) M1520-31	AIR FAN 2 ZONE 20(L.S) M1520-31	AIR FAN 1 ZONE 21(H.S) M1520-32	AIR FAN 1 ZONE 21(L.S) M1520-32	AIR FAN 2 ZONE 21(H.S) M1520-33

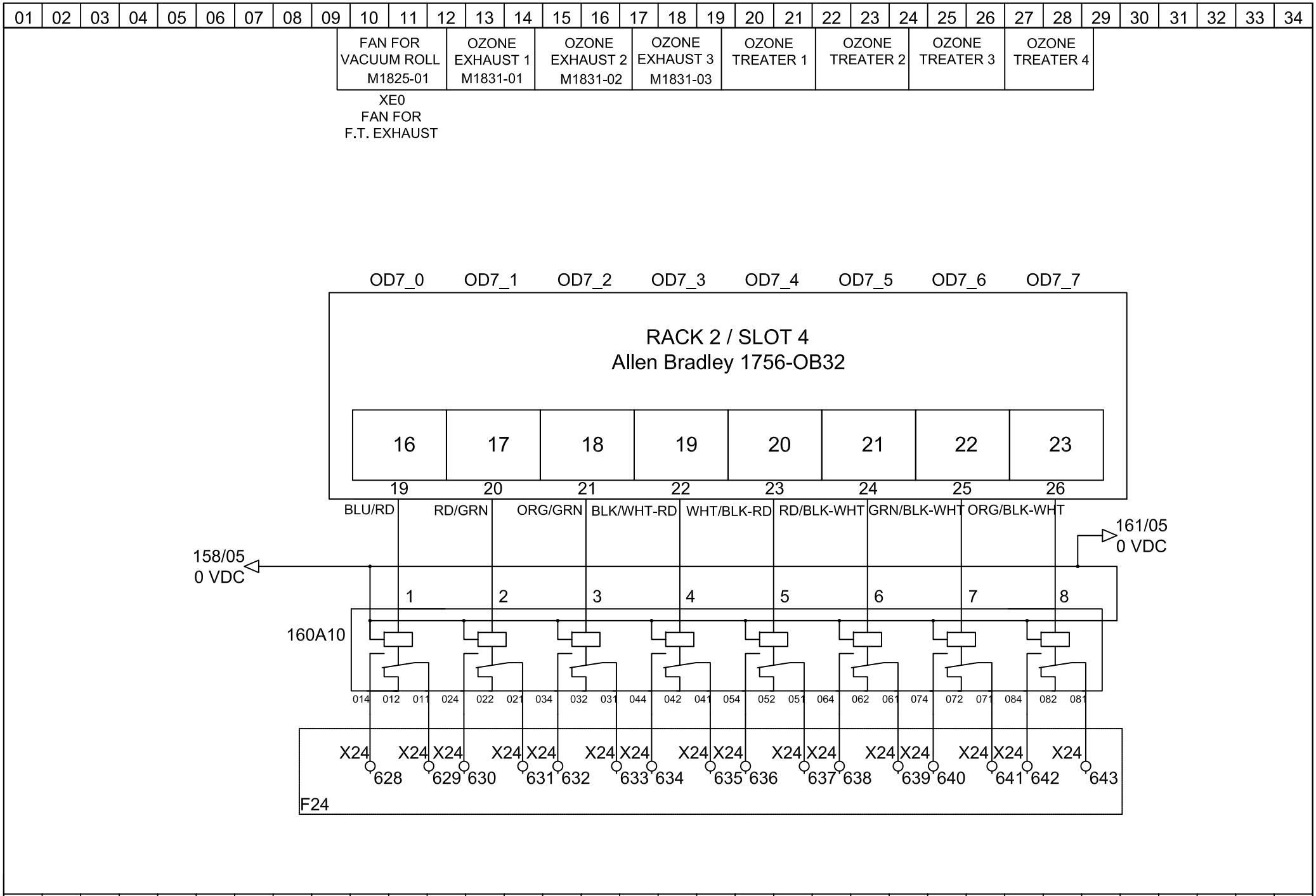


| | | |

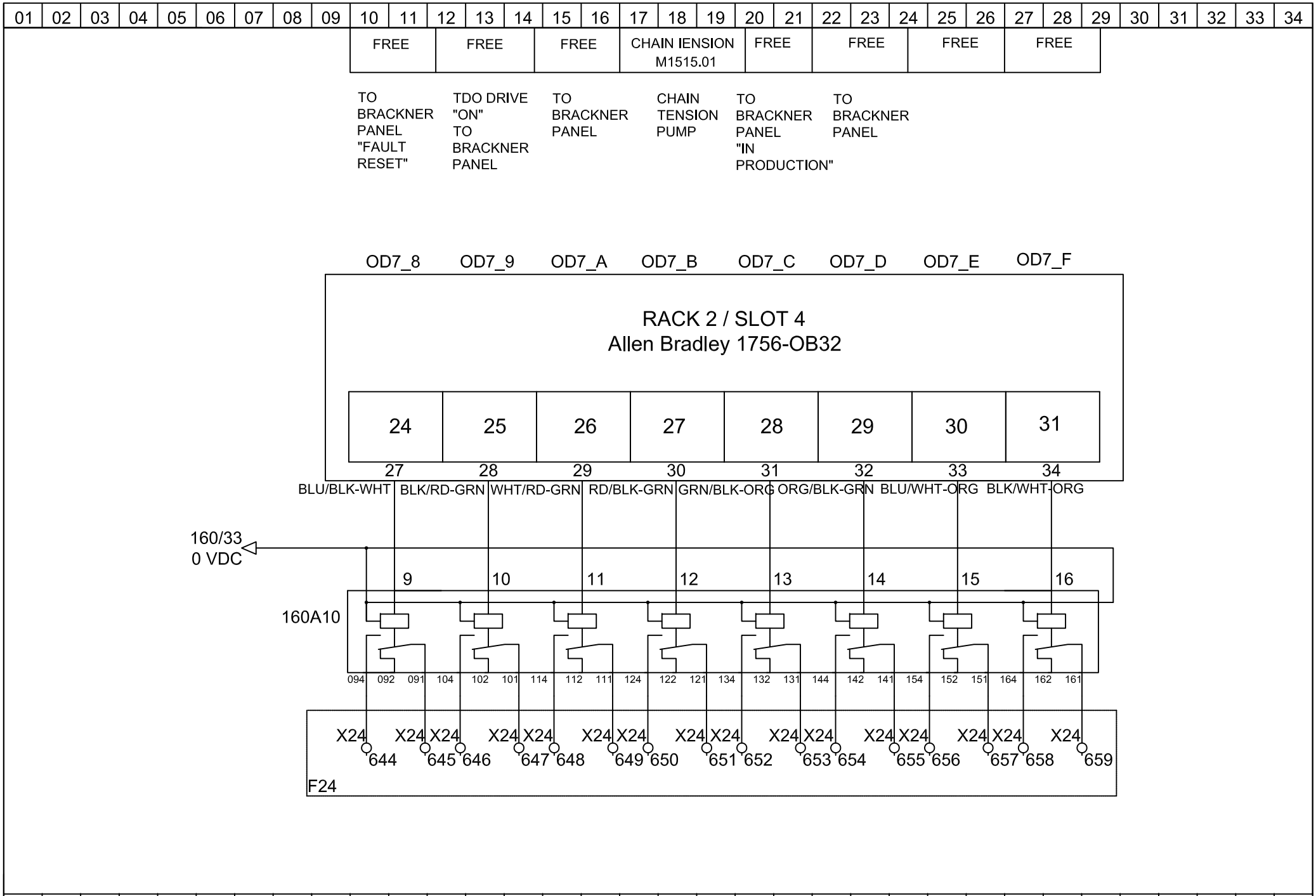
AIR FAN 2 COOLING ZONE(L.S) M1520-33	AIR FAN 3 COOLING ZONE(H.S) M1520-34	AIR FAN 3 COOLING ZONE(L.S) M1520-34	AIR FAN 4 COOLING ZONE(H.S) M1520-35	AIR FAN 4 COOLING ZONE(L.S) M1520-35	FREE	FREE	FAN FOR VACUUM ROLL M1812-01



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	159		
							Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL		
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	160			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	161		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

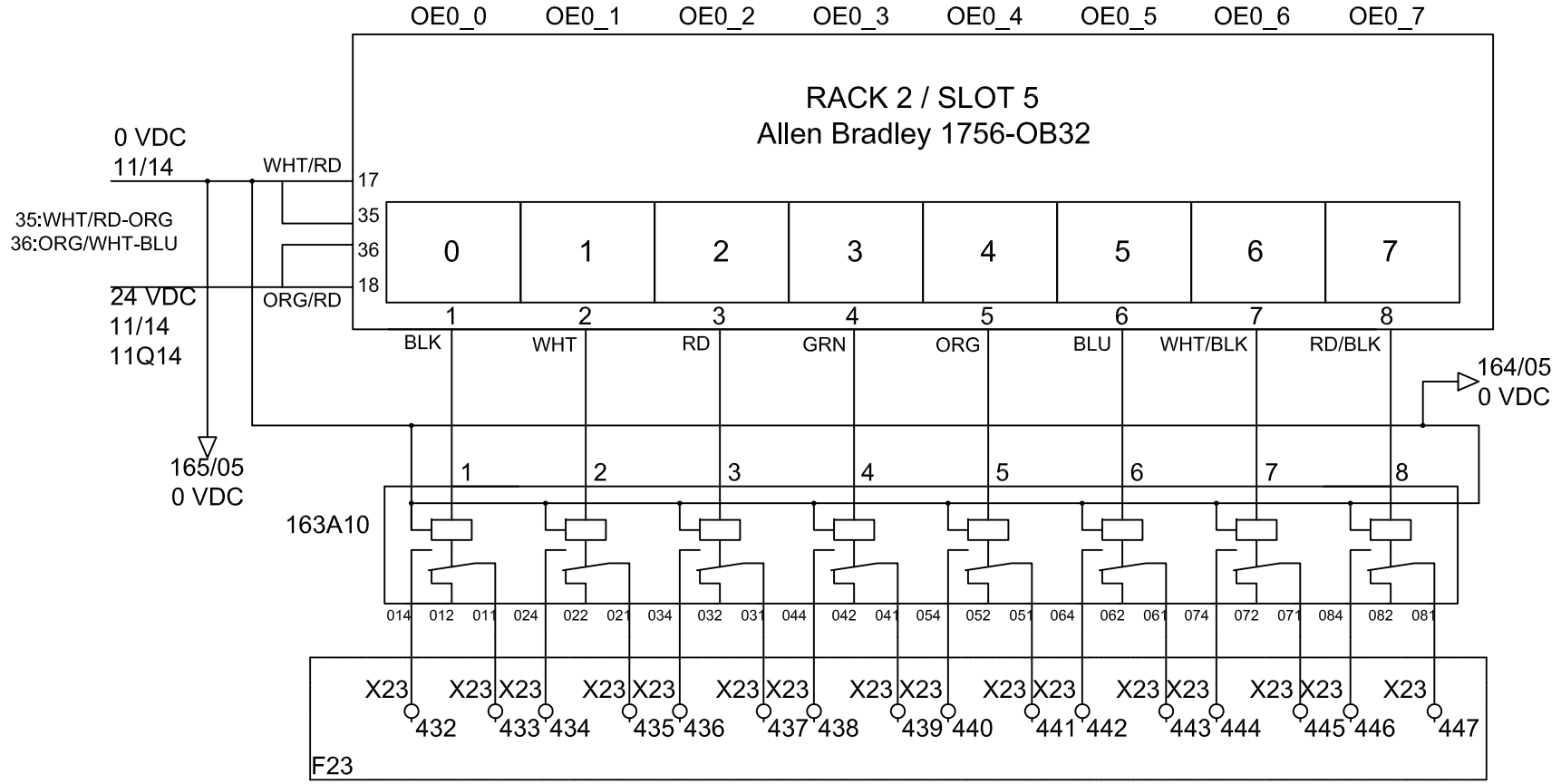
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	
CHECKED BY	

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION		Page #	
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM

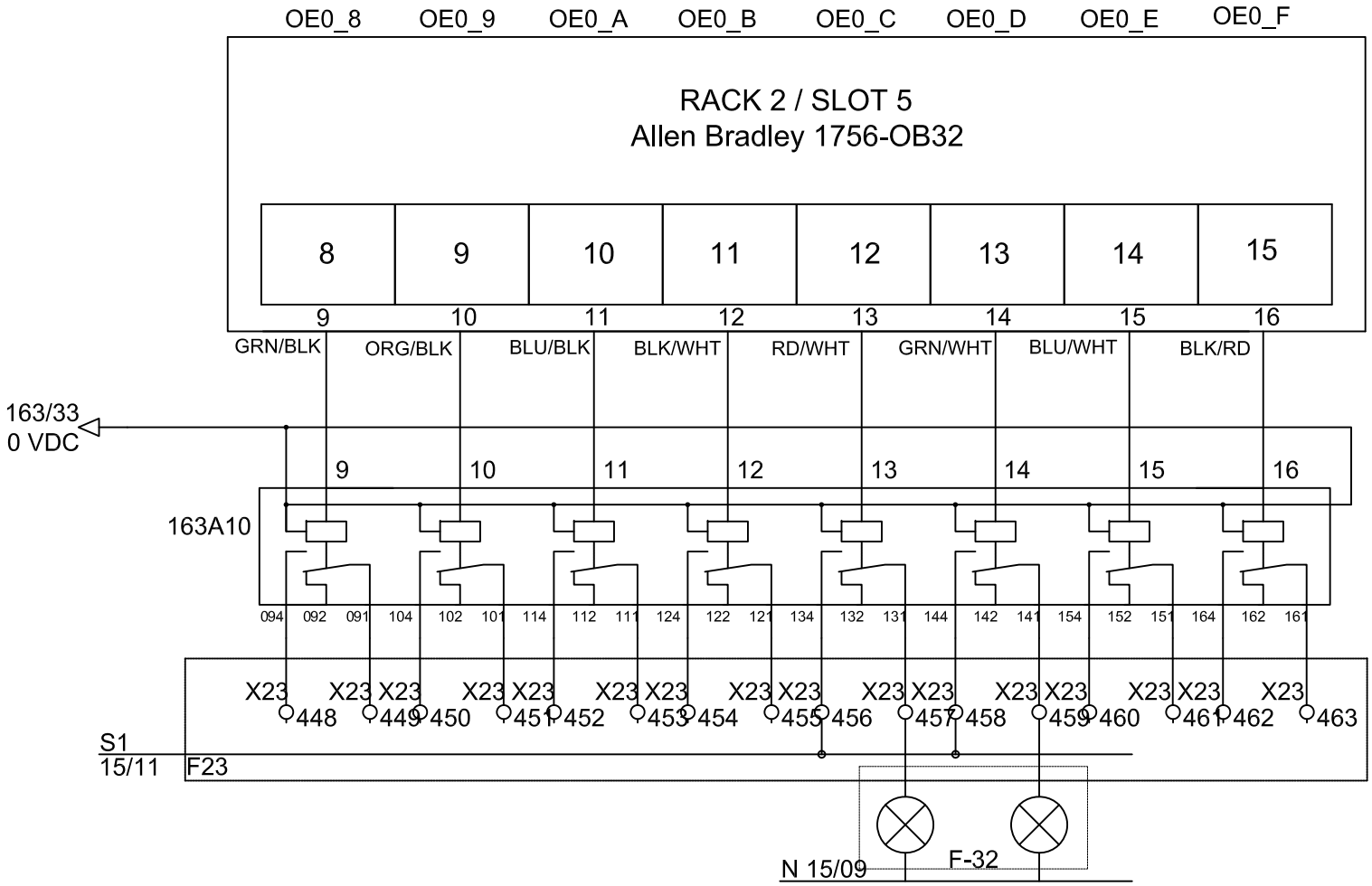
C.R. BRAKE	C.R. BACKWARD	C.R. FORWARD	C.R. HIGH SPEED	C.R. LOW SPEED	DRAW ROLL NUM.8 UP	DRAW ROLL NUM.8 DOWN	DRAW ROLL NUM.10 UP
M1301-02	M1301-01	M1301-01	M1301-01	M1301-01	M1402-01	M1402-01	M1402-02



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	163	
							Total		
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL	
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE NONE	UNIT MM

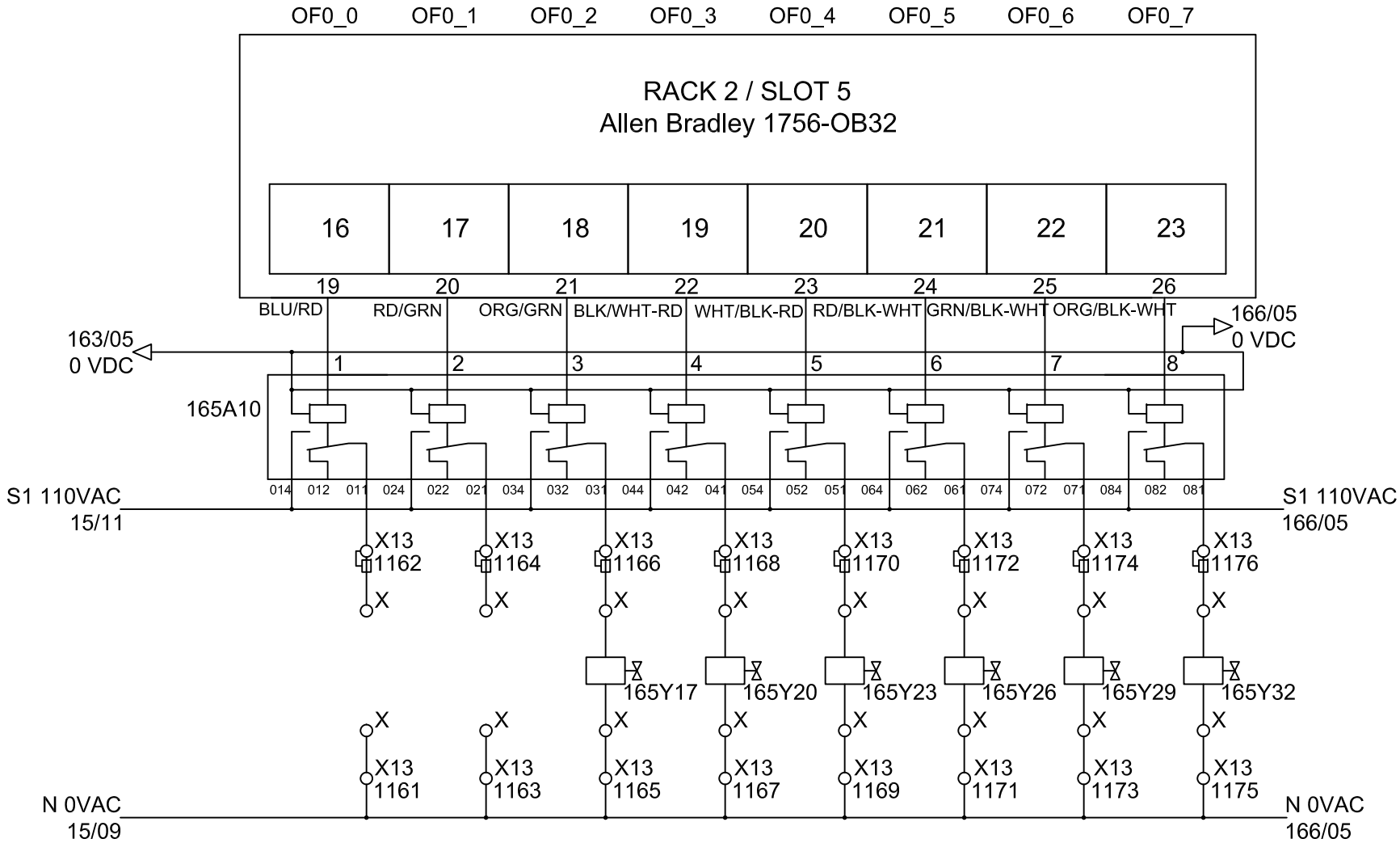
DRAW ROLL NUM.10 DOWN M1402-02	DRAW ROLL NUM.12 UP M1402-03	DRAW ROLL NUM.12 DOWN M1402-03	THREADING CLUTCH Y1410-01	C.R. FORWARD	C.R. BACKWARD	MDO ROLLS	FREE

GREEN LAMP RED LAMP

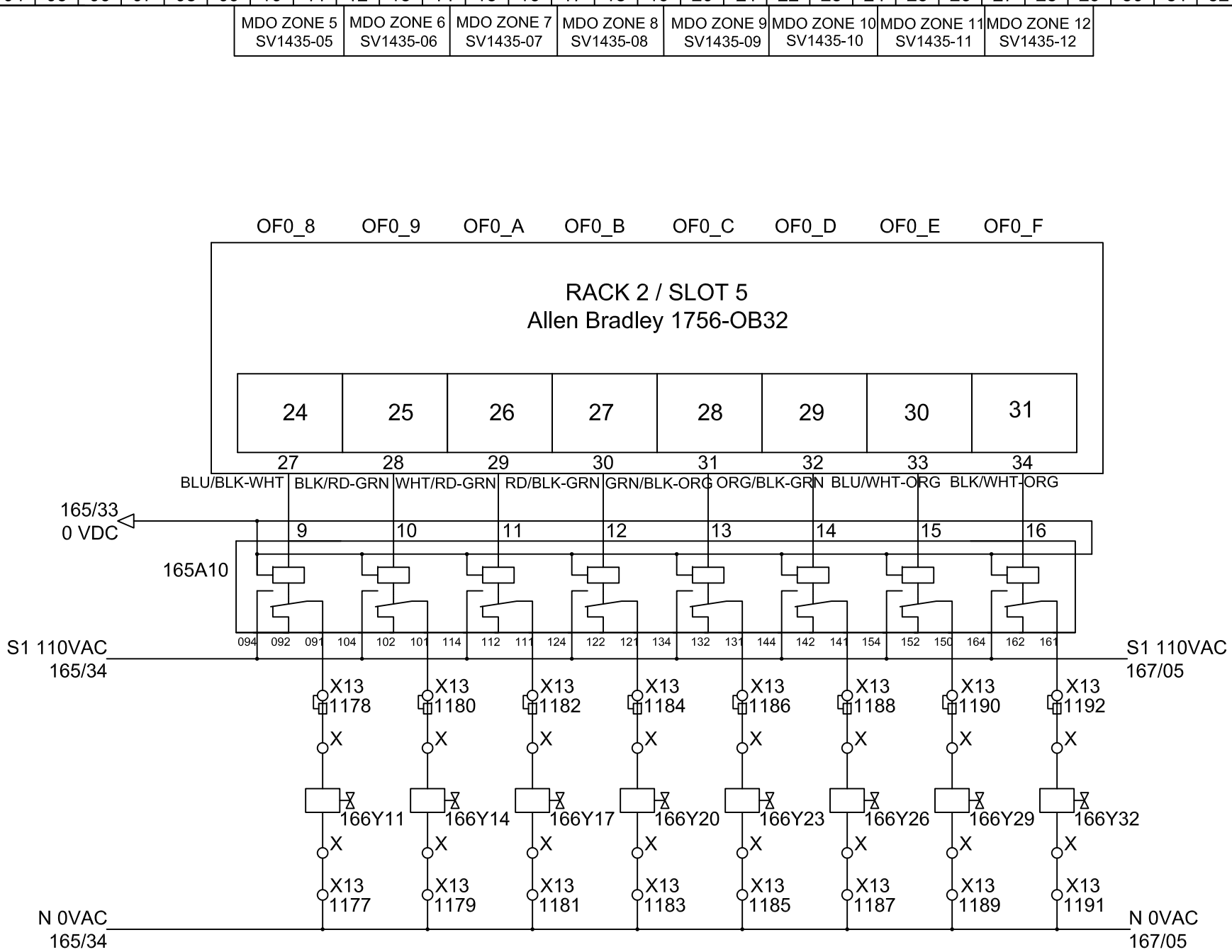


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	164			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

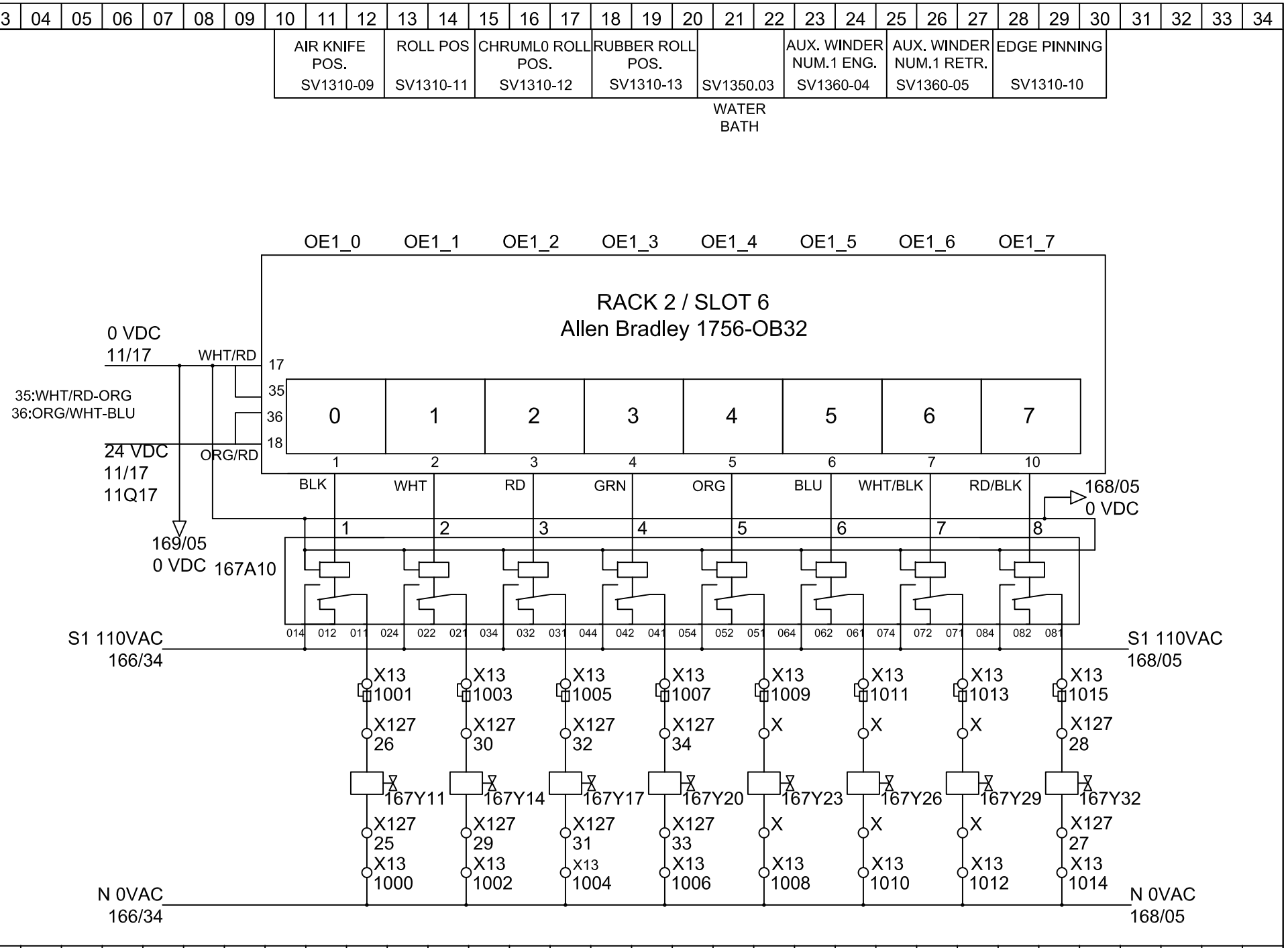
FREE	FREE	MDO ZONE 0 SV1435-13	MDO ZONE 10 SV1435-14	MDO ZONE 1 SV1435-01	MDO ZONE 2 SV1435-02	MDO ZONE 3 SV1435-03	MDO ZONE 4 SV1435-04



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	165		
							Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL		
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT MM

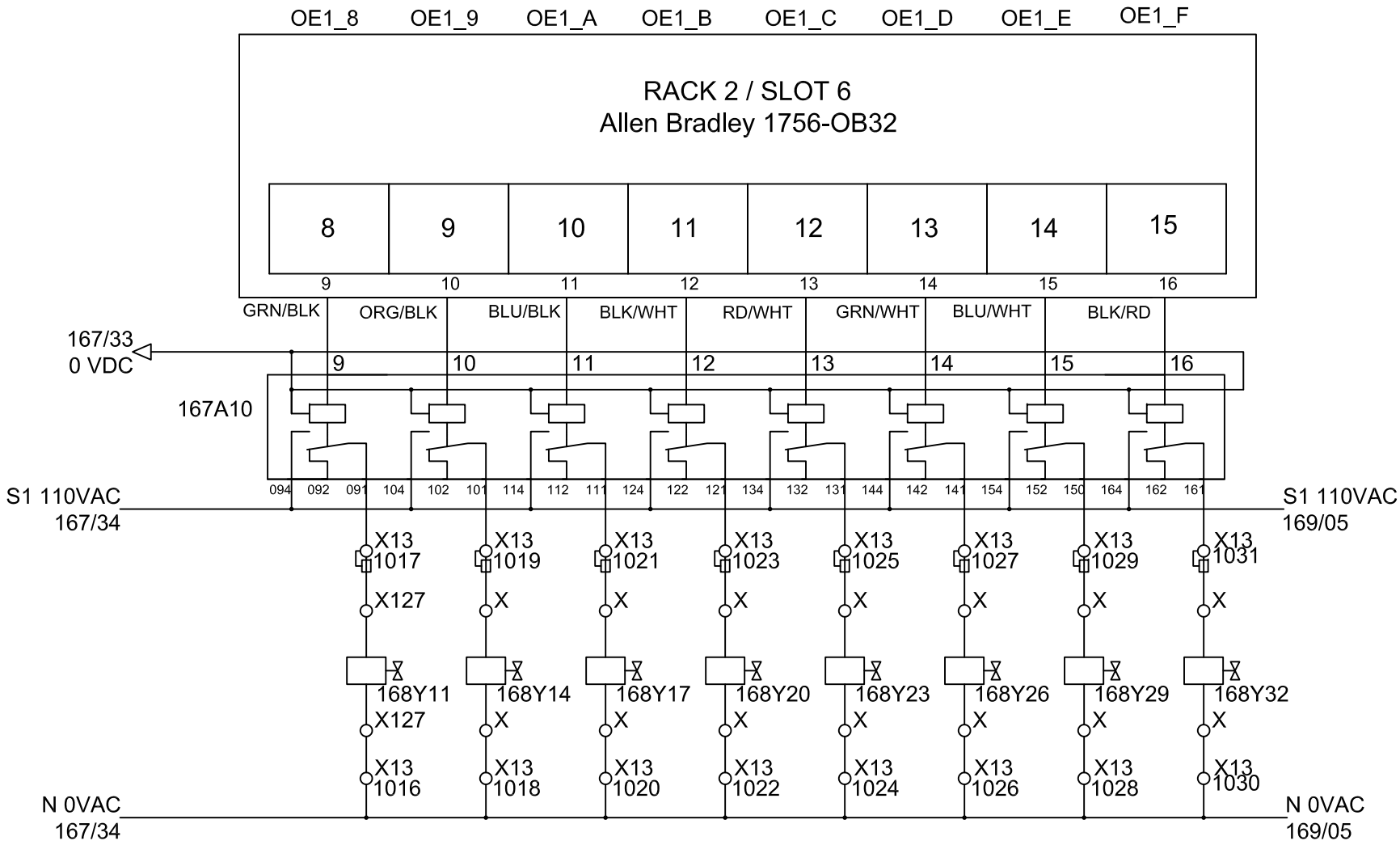


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	166		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



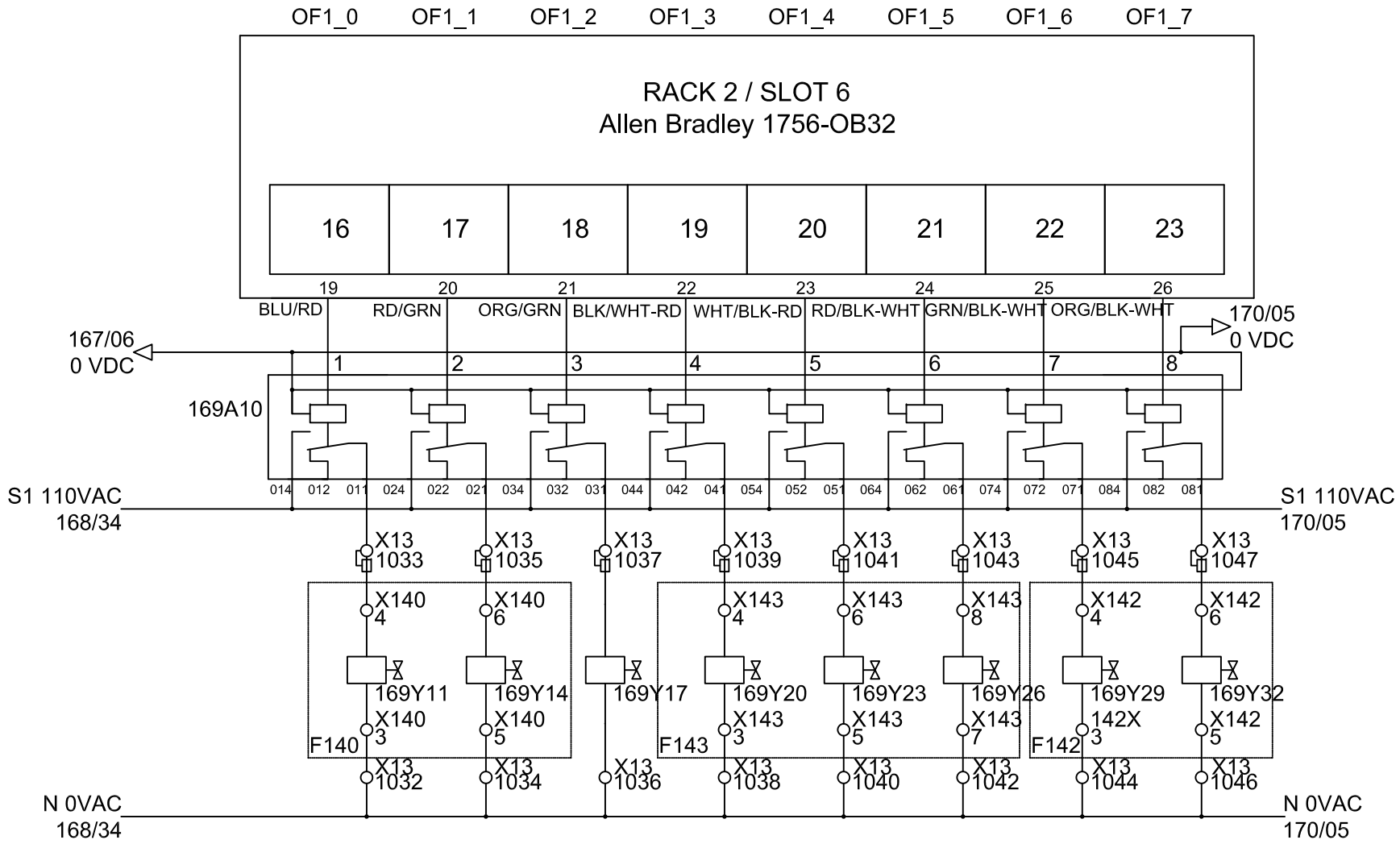
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	167		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

INSI AIR SV1310-14	NIP ROLL 1 SV1404-01	NIP ROLL 2 SV1404-02	NIP ROLL 3 SV1404-03	PRESS ROLL INLET SV1404-04	PRESS ROLL OUTLET SV1404-05	AUX. WINDER 2 RETR. SV1450-04	AUX. WINDER 2 ENG. SV1450-05



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	168			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

CLIPS	TABLE	CHAIN TENSION	CHAIN TRACK LUBRIF.	CLIPS LUBRIF.	CLIPS LUBRIF.	CHAIN TRACK LUBRIF.	CLIPS LUBRIF.
SV1511-01	SV1511-02	SV1515-08	SV1518-01	SV1518-03	SV1518-04	SV1518-02	SV1518-05



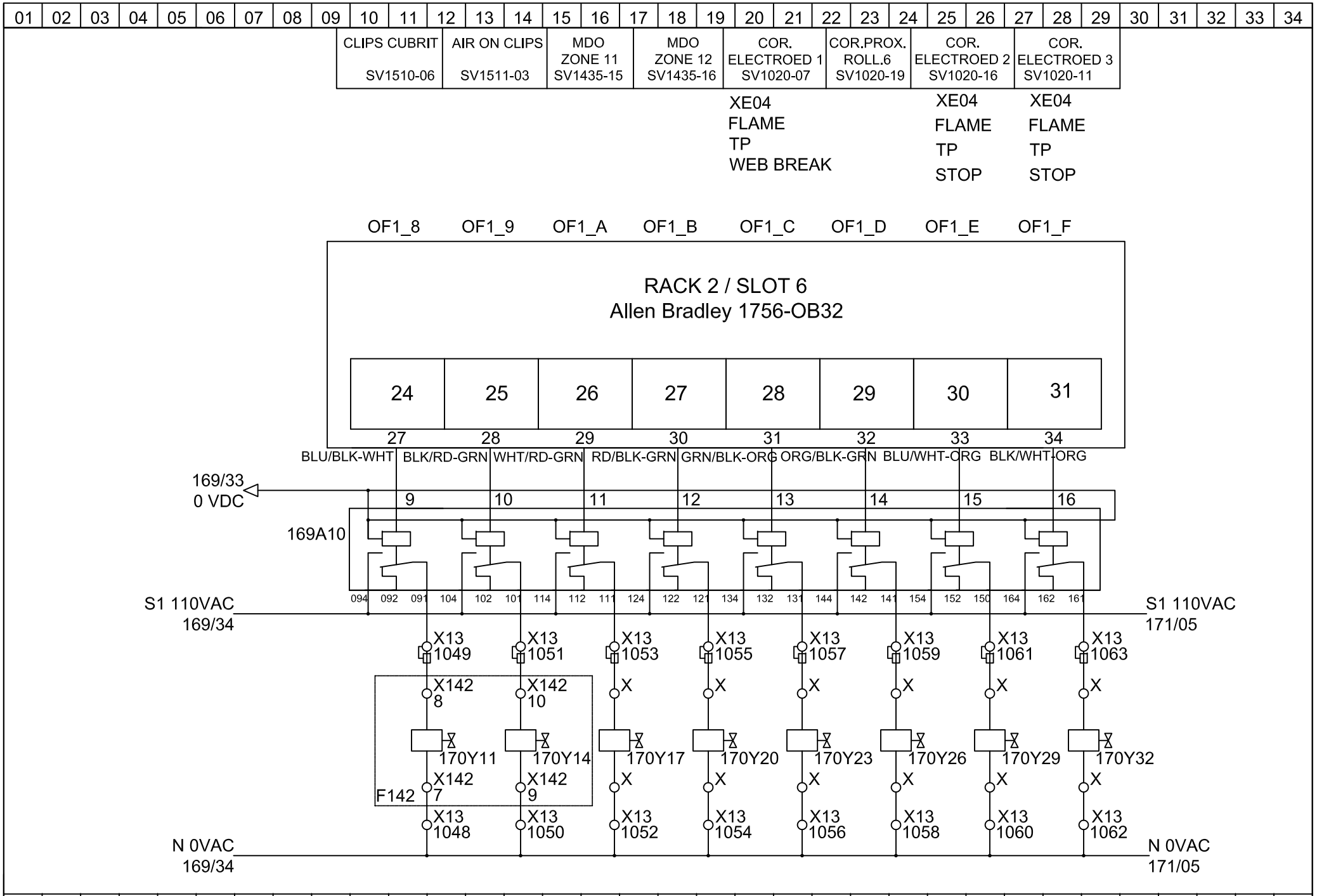
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

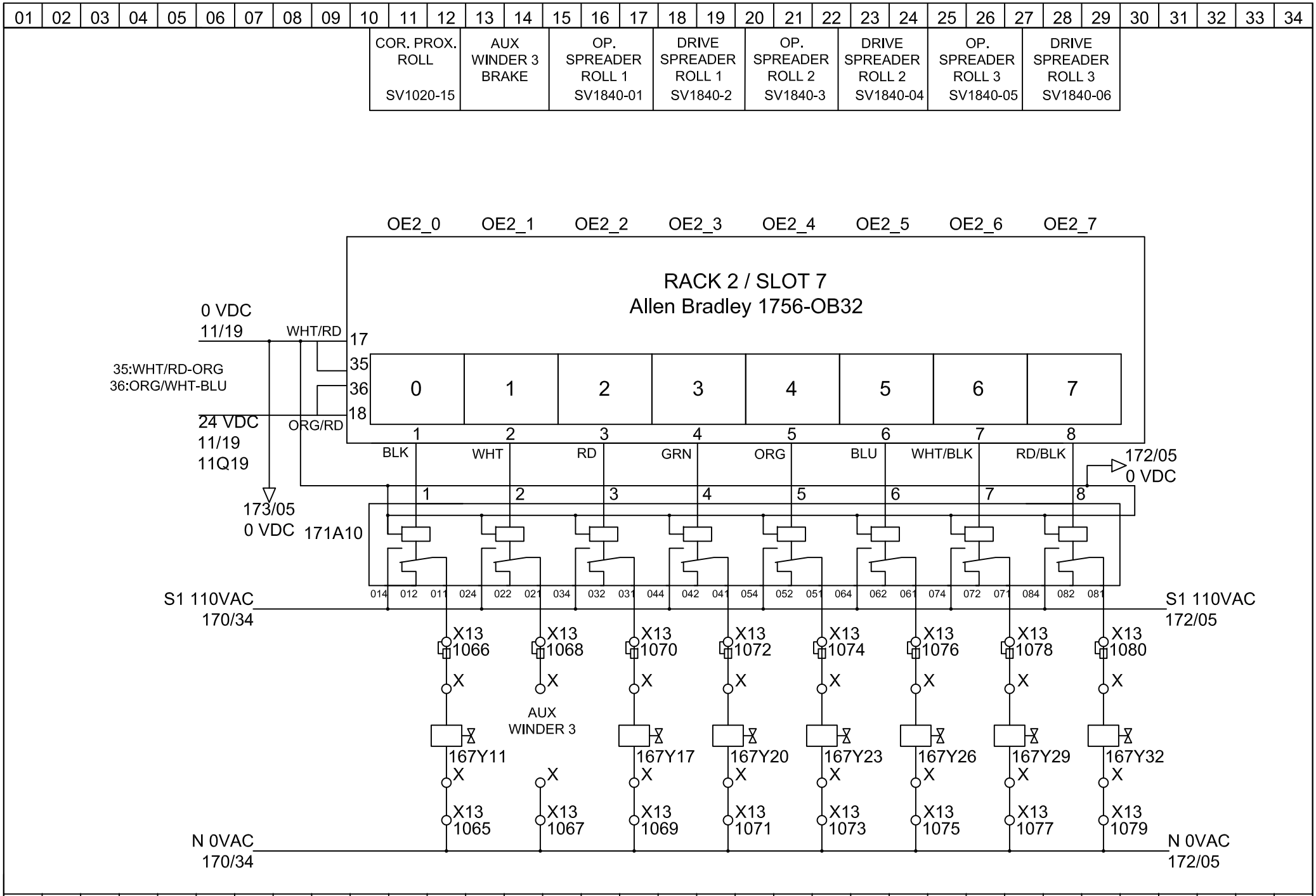
32 P.L.C. DIGITAL OUTPUT

				DRAWING DESCRIPTION	KF F13	Page #	169				
						Total					
1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL					
REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM		

DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG

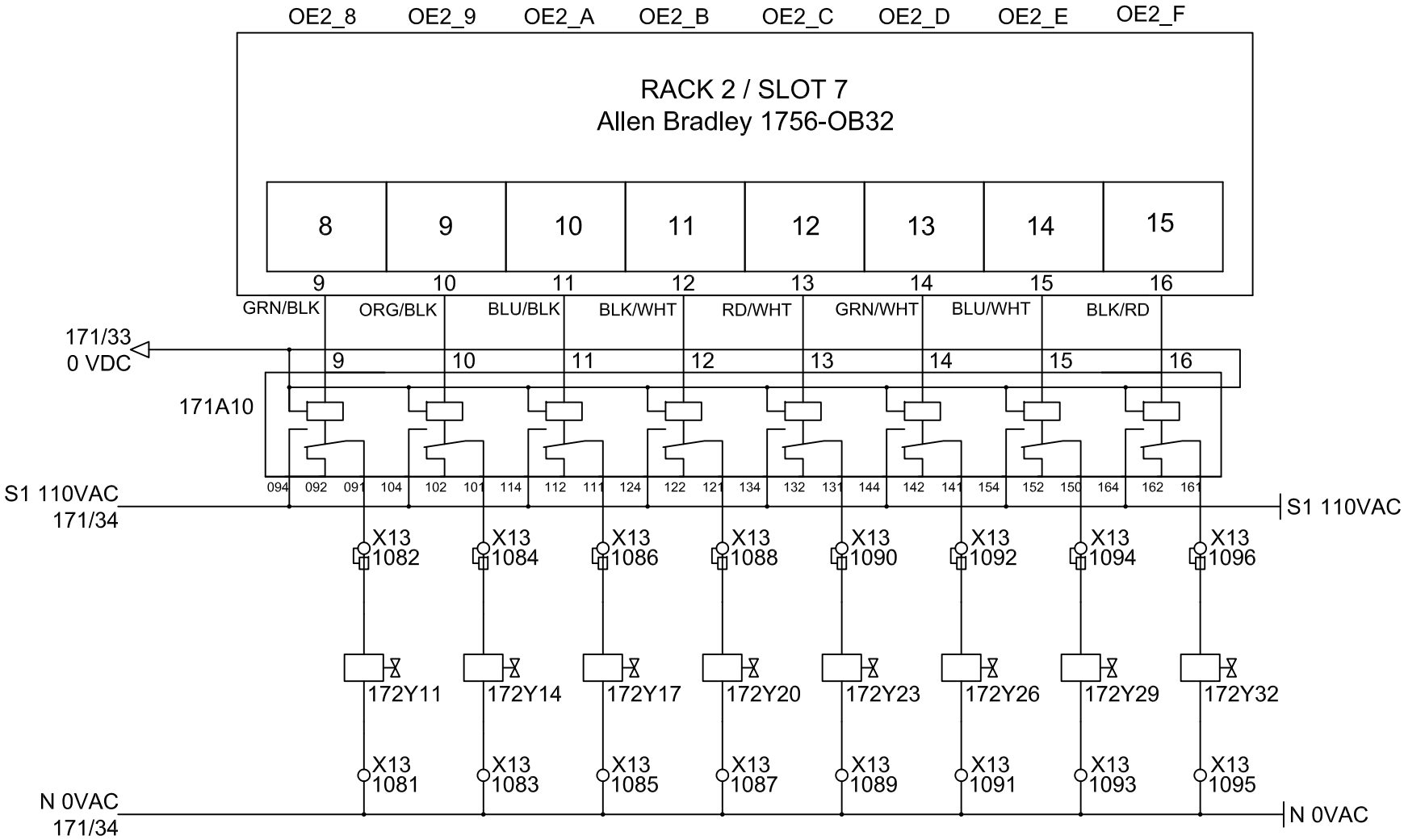


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	170	
							Total		
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL	
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE NONE	UNIT MM

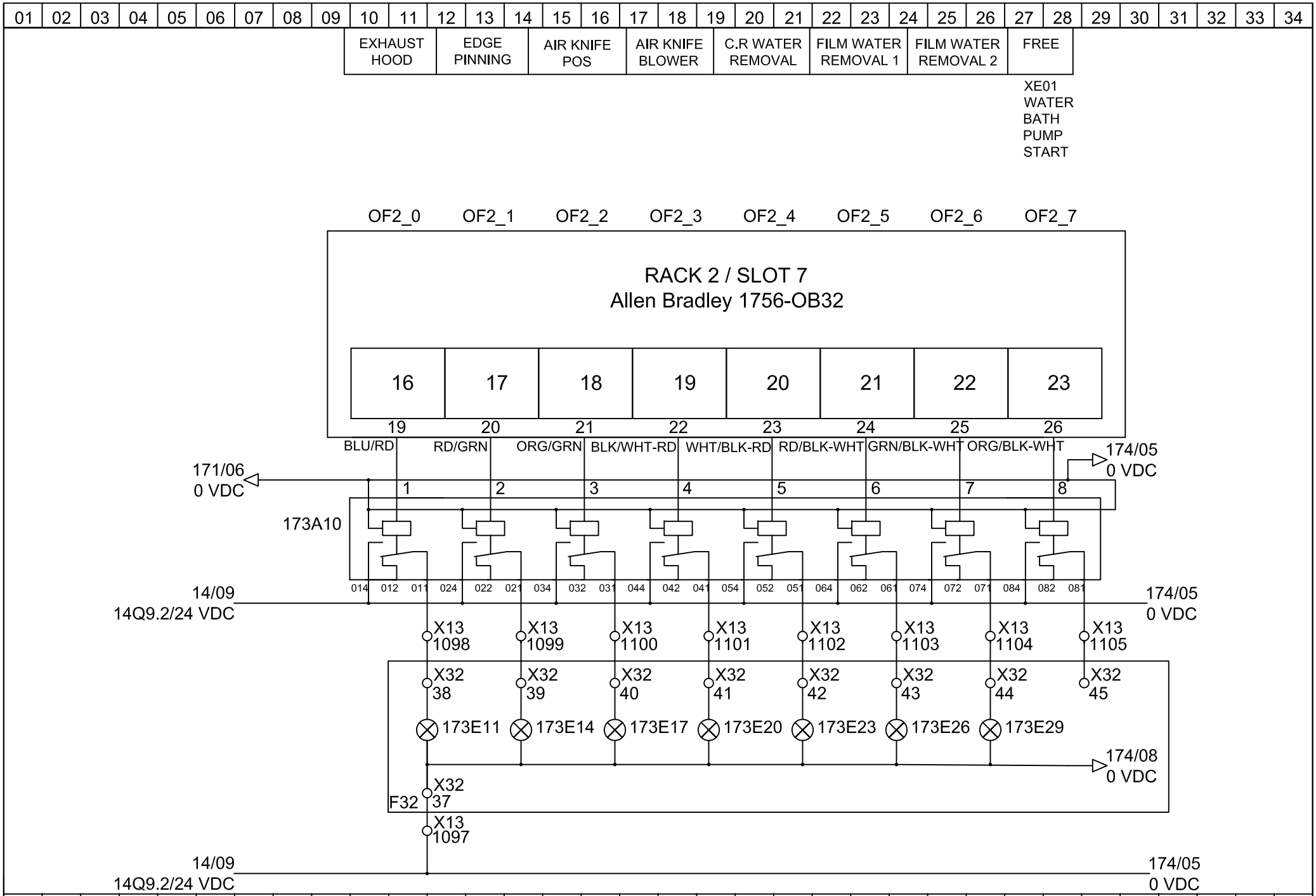


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	171	
							Total		
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/08/2023	DRAWING NO.	MATERIAL		
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014	SCALE	NONE	UNIT MM

OP. NIP ROLL	DRIVE NIP ROLL	OP. KNIFE	DRIVE KNIFE	AUX. WINDER 3 ENG.	AUX. WINDER 3 RETR.	AUX. WINDER 3 LOCKING	GAS TDO OPEN/CLOSE
SV1850-01	SV1850-02	SV1850-03	SV1850-04	SV1860-01	SV1860-02	SV1860-03	SV1500-00

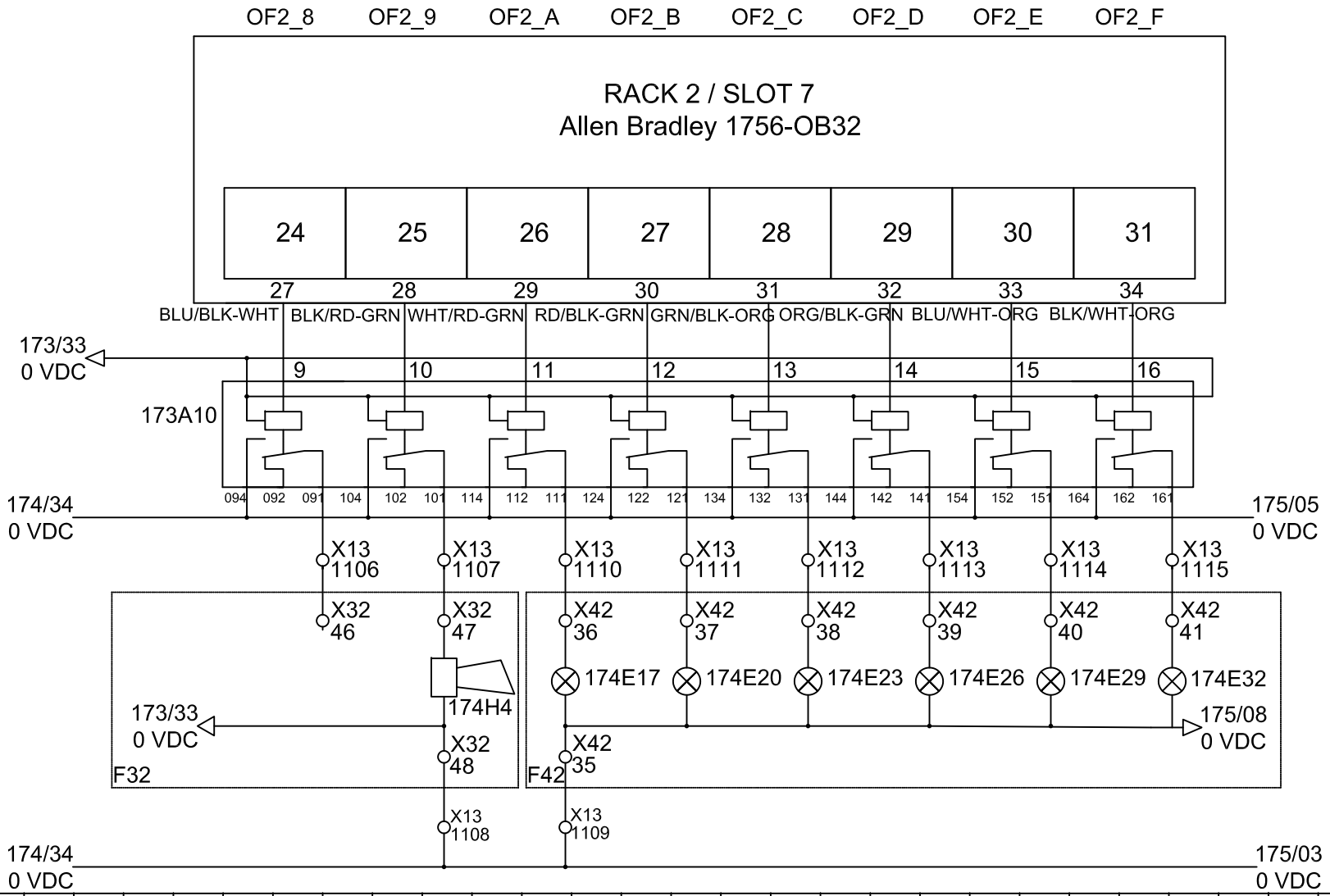


| | | |

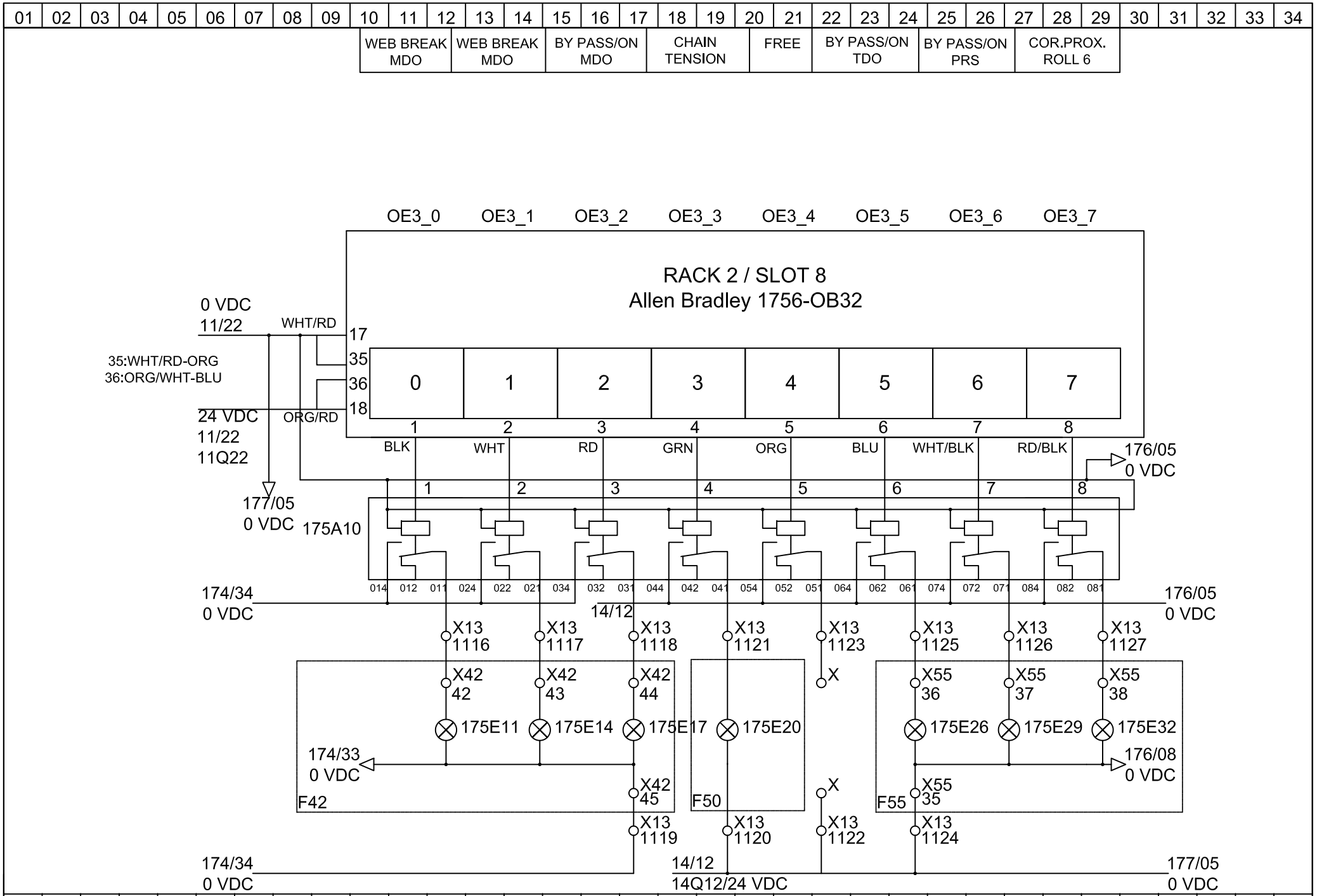


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	173		
								Total			
DRAWN BY	JEFF LEE		1	UPGRADE TO AB	Bryan Hong	12/08/2023	DRAWING NO.		MATERIAL		
CHECKED BY	VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT MM

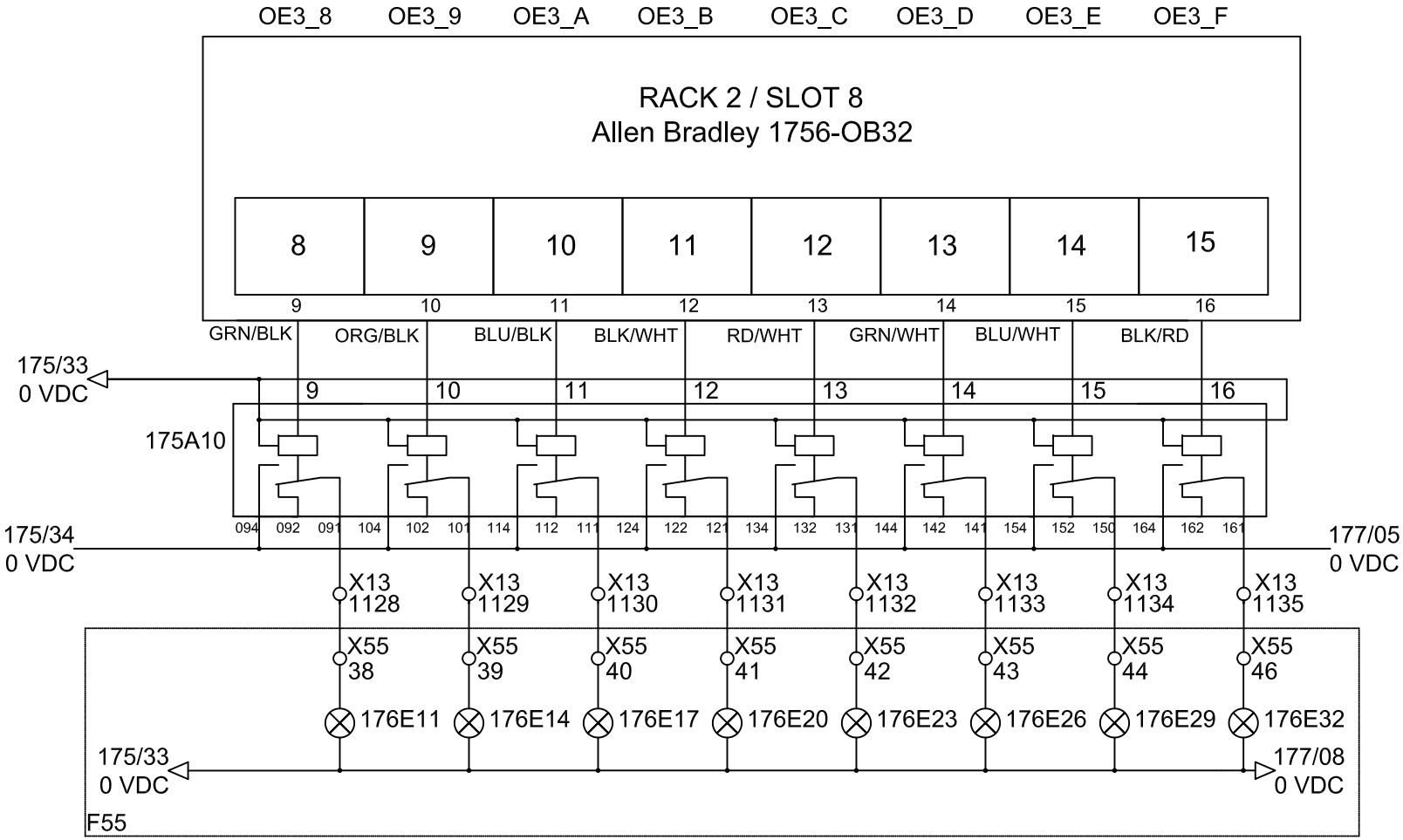
FREE	KLAXON	NIP ROLL 1	NIP ROLL 2	NIP ROLL 3	PRESS ROLL INLET	PRESS ROLL OUTLET	60M MICRO M
	FOR CHILL ROLL MOVEMENT						



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	174			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/08/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

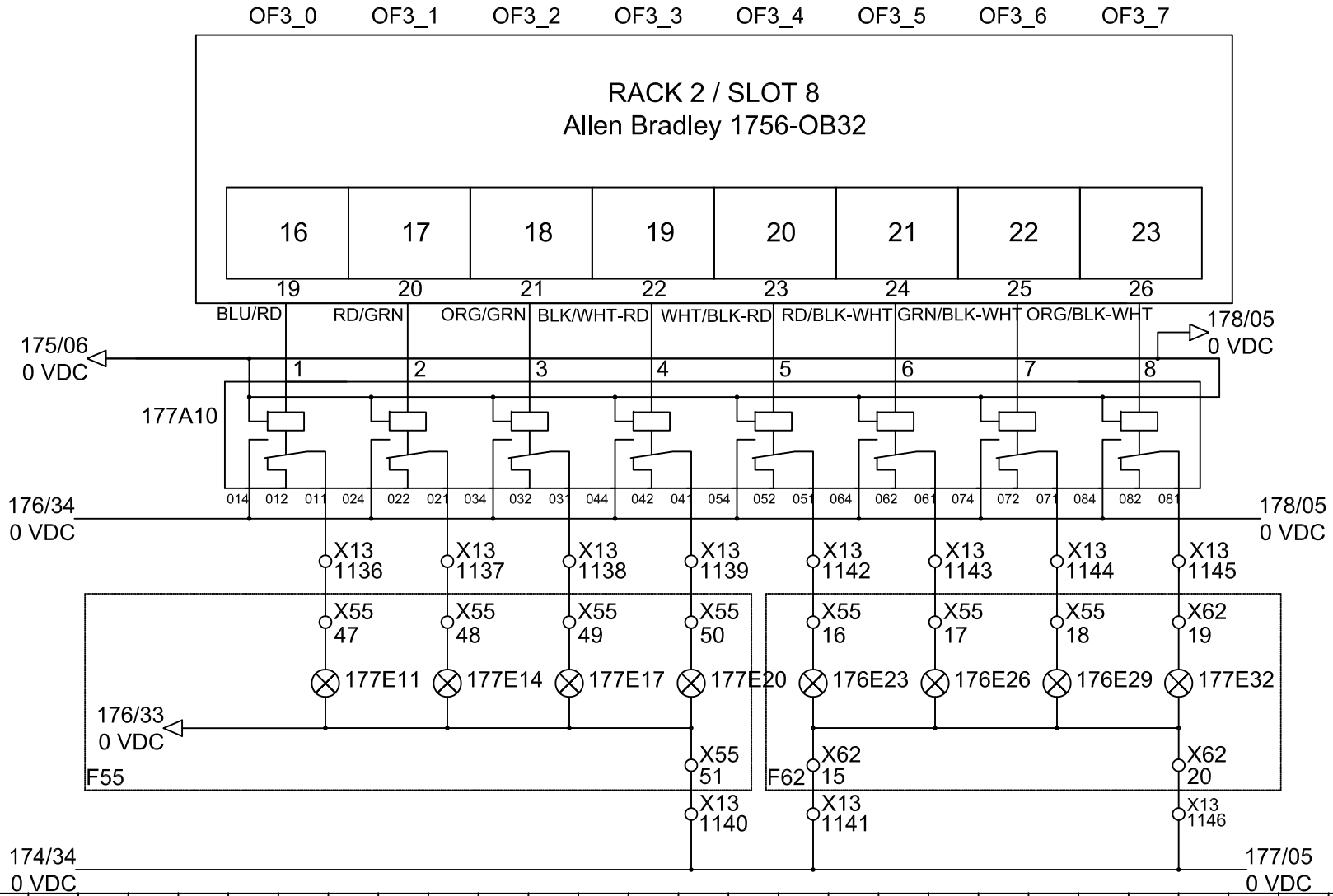

WEB BREAK MDO
WEB BREAK MDO
BY PASS/ON MDO
CHAIN TENSION
FREE
BY PASS/ON TDO
BY PASS/ON PRS
COR.PROX. ROLL 6
OE3_0 OE3_1 OE3_2 OE3_3 OE3_4 OE3_5 OE3_6 OE3_7
RACK 2 / SLOT 8
Allen Bradley 1756-OB32
0 VDC
11/22
WHT/RD
35:WHT/RD-ORG
36:ORG/WHT-BLU
24 VDC
11/22
11Q22
ORG/RD
BLK WHT RD GRN ORG BLU WHT/BLK RD/BLK
176/05
0 VDC
177/05
0 VDC
175A10
174/34
0 VDC
14/12
176/05
0 VDC
X13 1116
X13 1117
X13 1118
X13 1121
X13 1123
X13 1125
X13 1126
X13 1127
X42 42
X42 43
X42 44
X
X55 36
X55 37
X55 38
175E11
175E14
175E17
175E20
175E26
175E29
175E32
174/33
0 VDC
176/08
0 VDC
X42 45
X
X55 35
F42
F50
F55
X13 1119
X13 1120
X13 1122
X13 1124
174/34
0 VDC
14/12
14Q12/24 VDC
177/05
0 VDC
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
32 P.L.C. DIGITAL OUTPUT
1 UPGRADE TO AB Bryan Hong 12/08/2023
REV. NO REV. DESCRIPTION REV. BY: REV. DATE
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF F13
Page # 175
Total
MATERIAL
SCALE NONE UNIT MM

COR. ELECTRODE 1	COR. ELECTRODE 2	NIP ROLL FOR CORONA 3	COR. ELECTRODE 3	VACUUM ROLL 1	VACUUM ROLL 2	OZONE EXHAUST FAN 1	OZONE EXHAUST FAN 2
	WEB BREAK AND/OR PRS STOP ENGAGED LAMP						

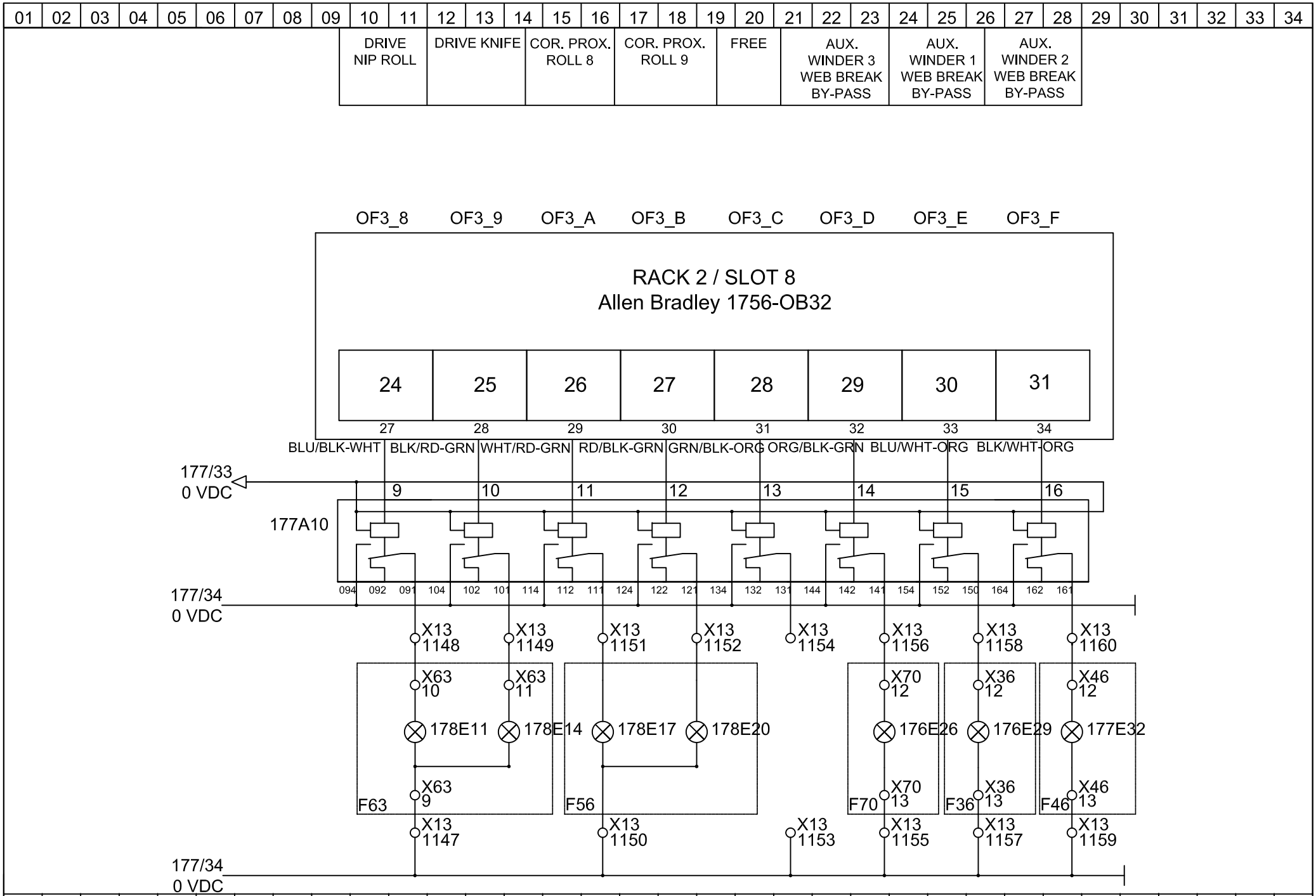


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	176			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/08/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

OZONE EXHAUST FAN 3	STATE CELL NUM 0	STATE CELL NUM 1	STATE CELL NUM 2	OP. NIP ROLL	OP. KNIFE	DRIVE NIP ROLL	DRIVE KNIFE

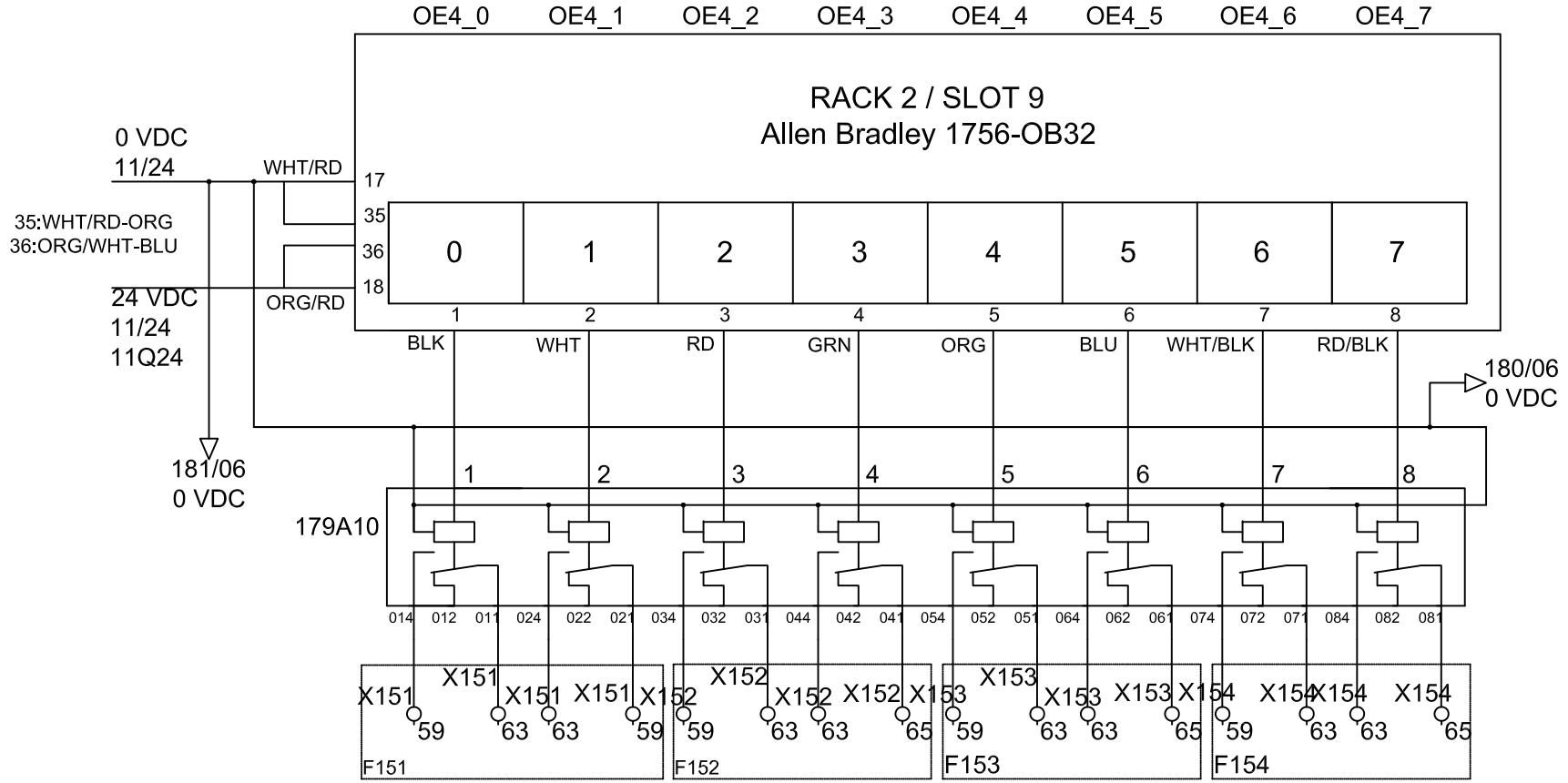


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	177		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/08/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	178			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/08/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

BURNER 1 INTER.	BURNER 1 COMM.	BURNER 2 INTER.	BURNER 2 COMM.	BURNER 3 INTER.	BURNER 3 COMM.	BURNER 4 INTER.	BURNER 4 COMM.



01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

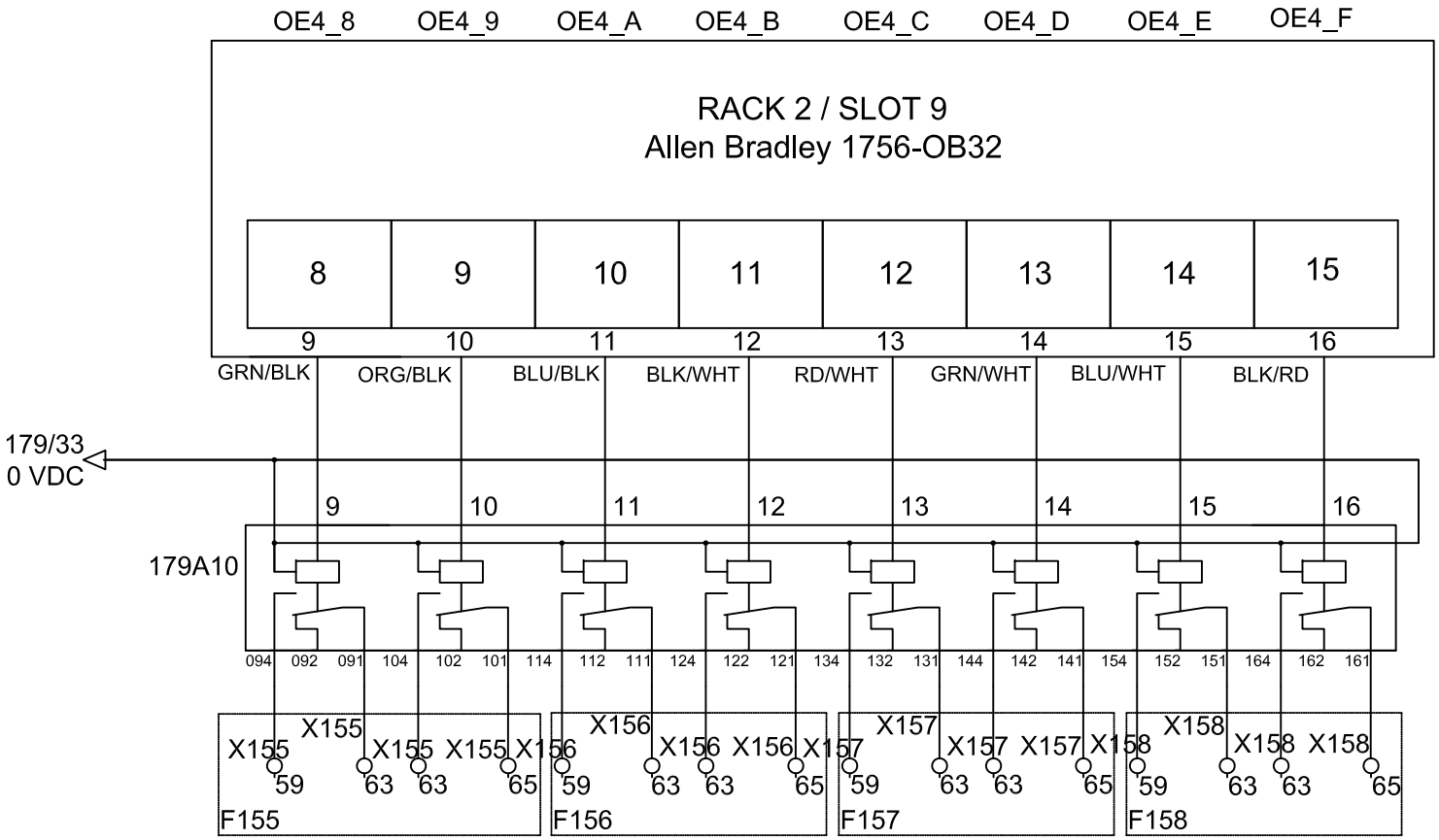
32 P.L.C. DIGITAL OUTPUT

DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	UPGRADE TO AB	Bryan Hong	12/11/2023

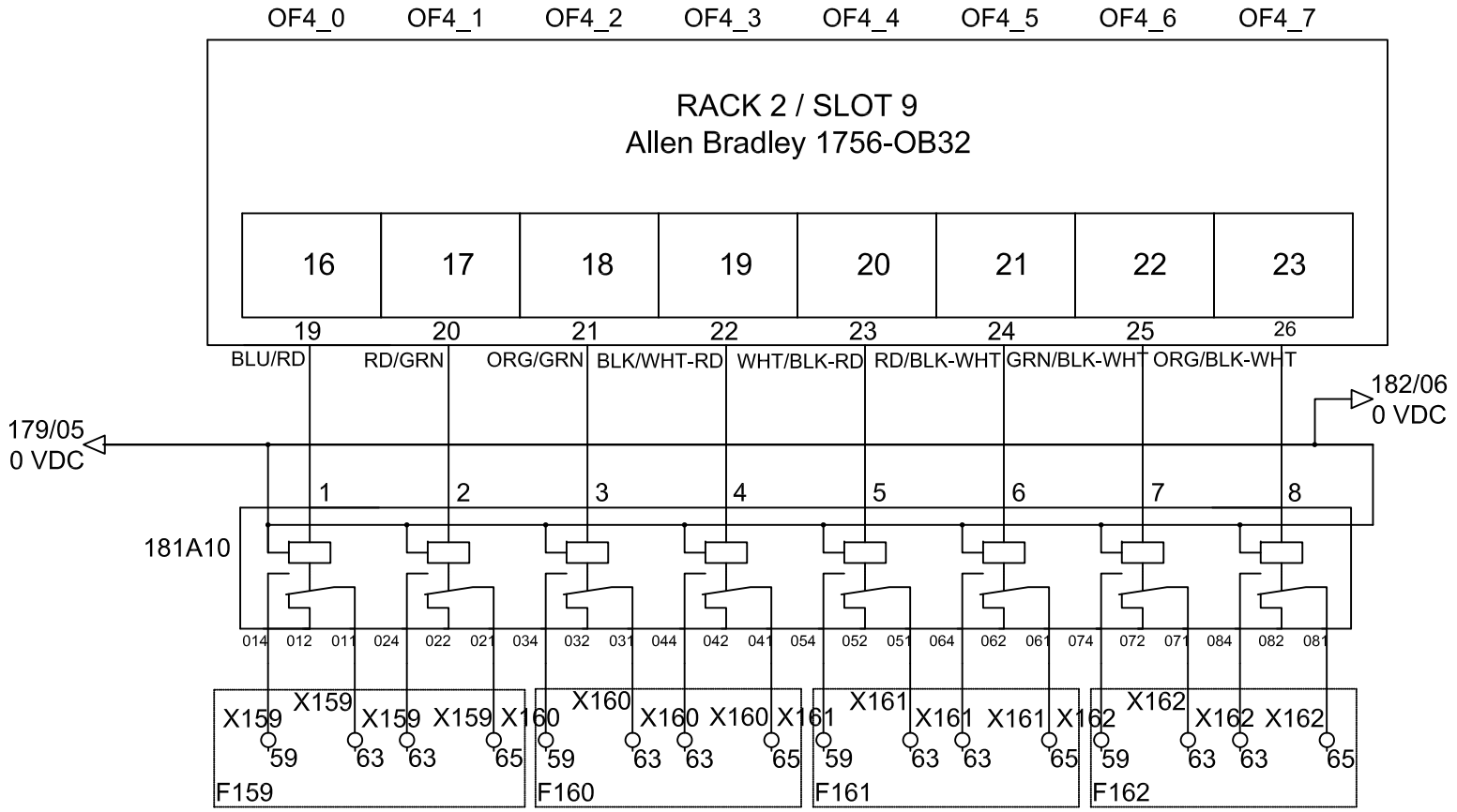
DRAWING DESCRIPTION	KF F13	Page #	179
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM

BURNER 5 INTER.	BURNER 5 COMM.	BURNER 6 INTER.	BURNER 6 COMM.	BURNER 7 INTER.	BURNER 7 COMM.	BURNER 8 INTER.	BURNER 8 COMM.



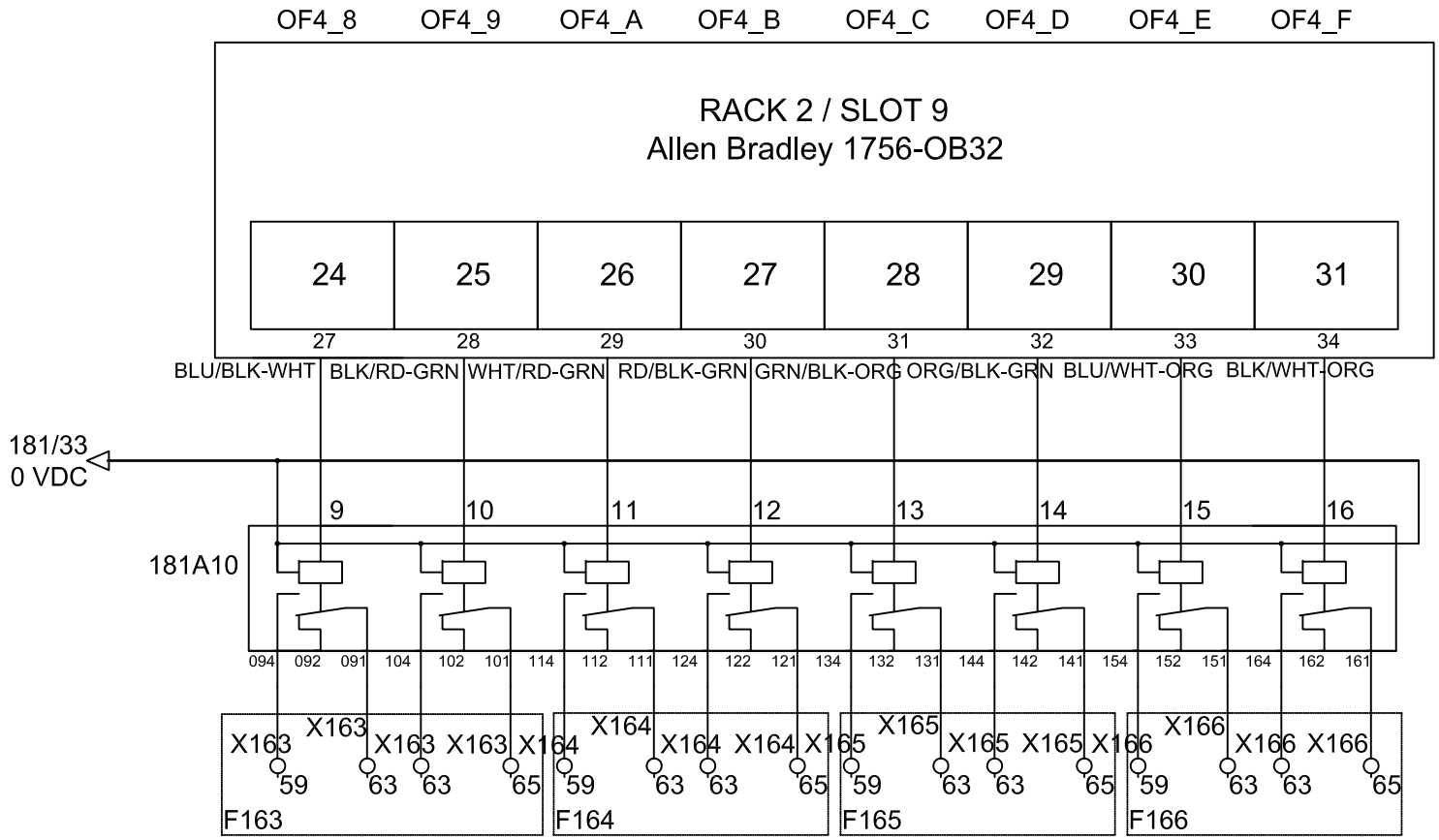
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT			DRAWING DESCRIPTION	KF F13	Page #	180				
						Total					
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

BURNER 9 INTER.	BURNER 9 COMM.	BURNER 10 INTER.	BURNER 10 COMM.	BURNER 11 INTER.	BURNER 11 COMM.	BURNER 12 INTER.	BURNER 12 COMM.

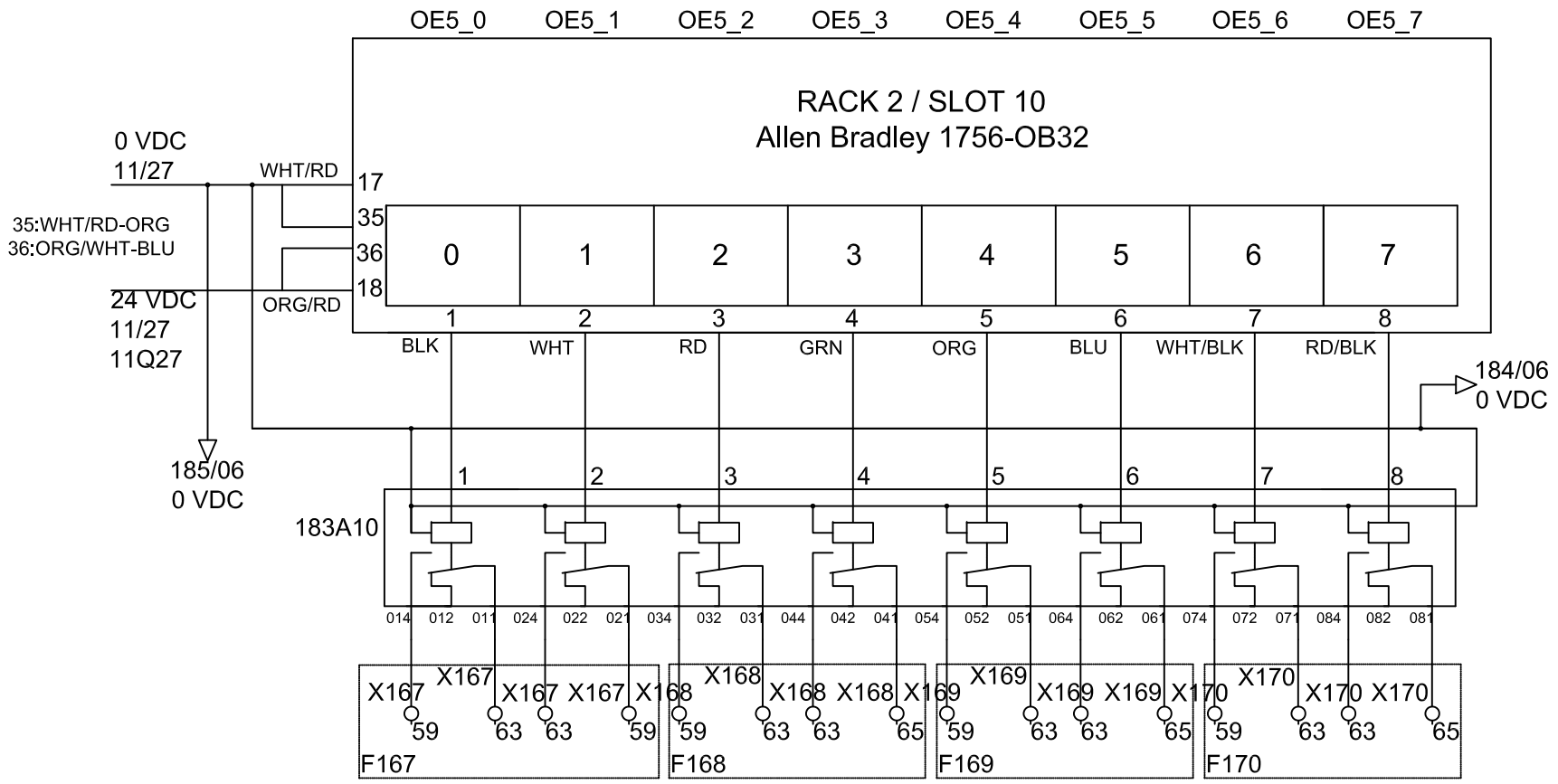


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	181		
							Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL		
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT MM

BURNER 13 INTER.	BURNER 13 COMM.	BURNER 14 INTER.	BURNER 14 COMM.	BURNER 15 INTER.	BURNER 15 COMM.	BURNER 16 INTER.	BURNER 16 COMM.

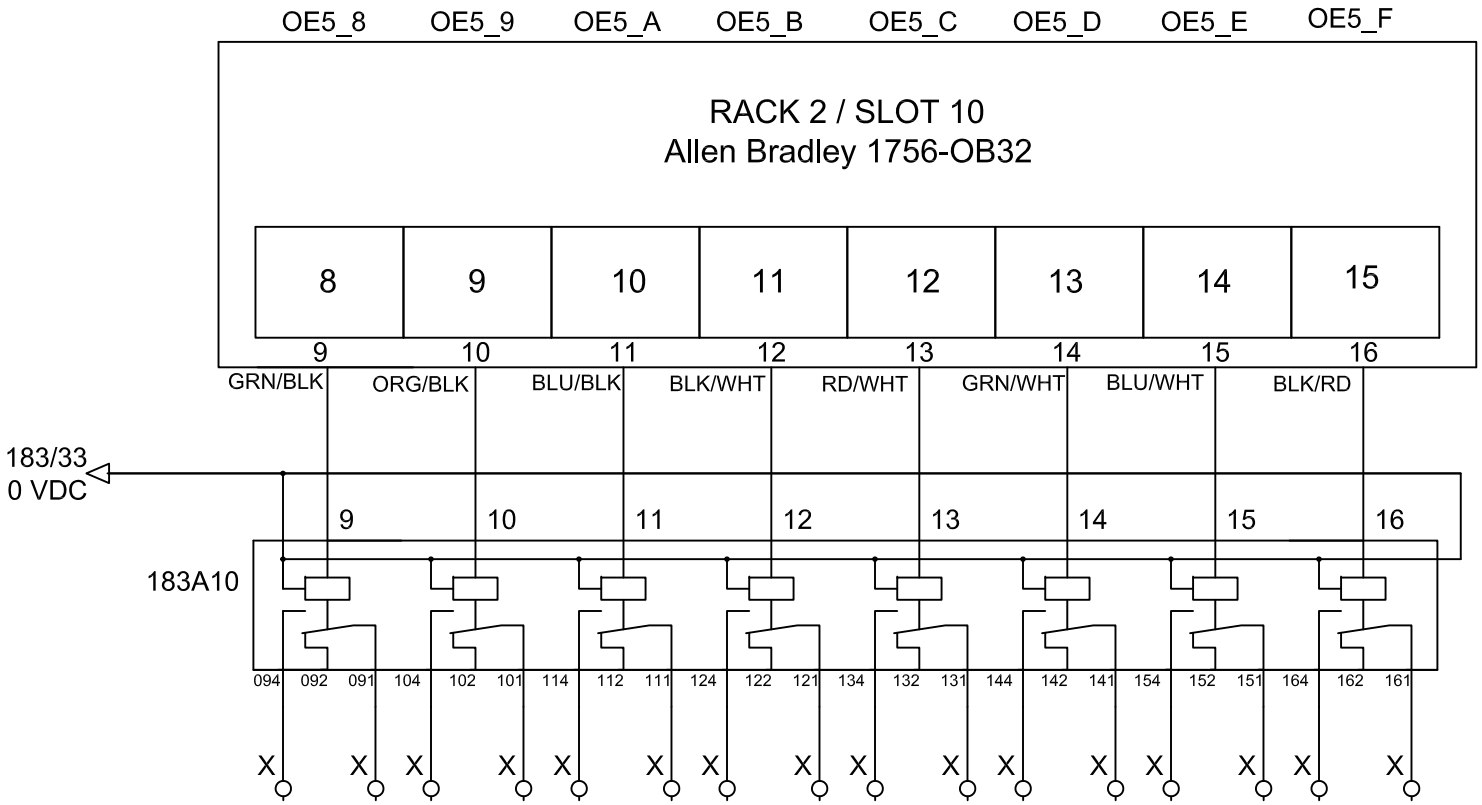


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	182			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	183		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

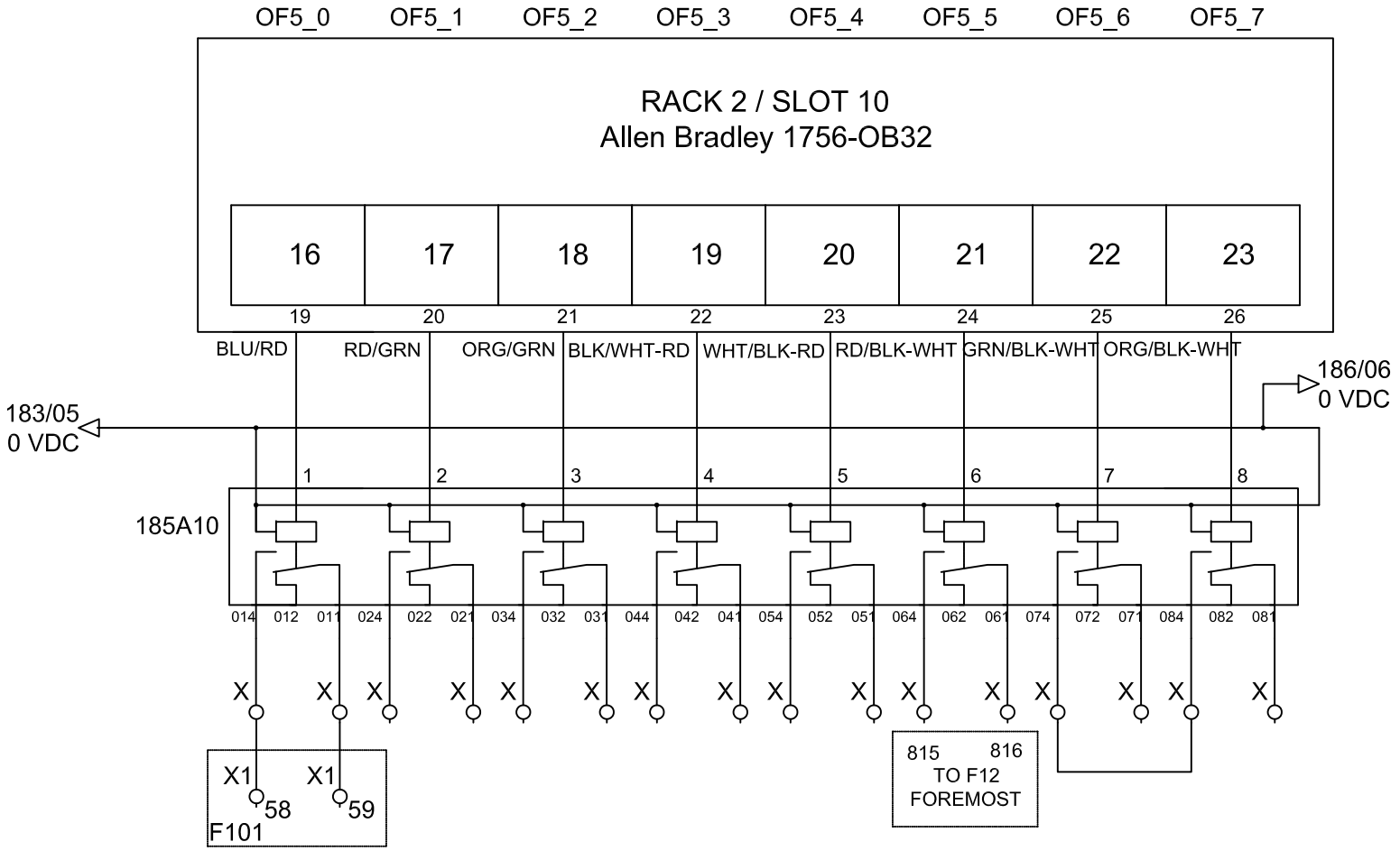
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
									P184 KNIFE GATE OPEN		P184 KNIFE GATE CLOSE			MDO WEB BREAK		FREE		FREE			FREE		FREE			FREE							



01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	184		
		2	LINE1 F13 UPGRADE	Leo Lin	01/23/2024			Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

TDO & PRS WEB BREAK	FLAME TERATER WEB BREAK PROCESS STOP ACTION & VACCUUM ROLL #2 ON P185	C.R. SPEED	KLAXON FM F12	S.T. CD ENGAGE P185	S.T. CD RETRACT P185



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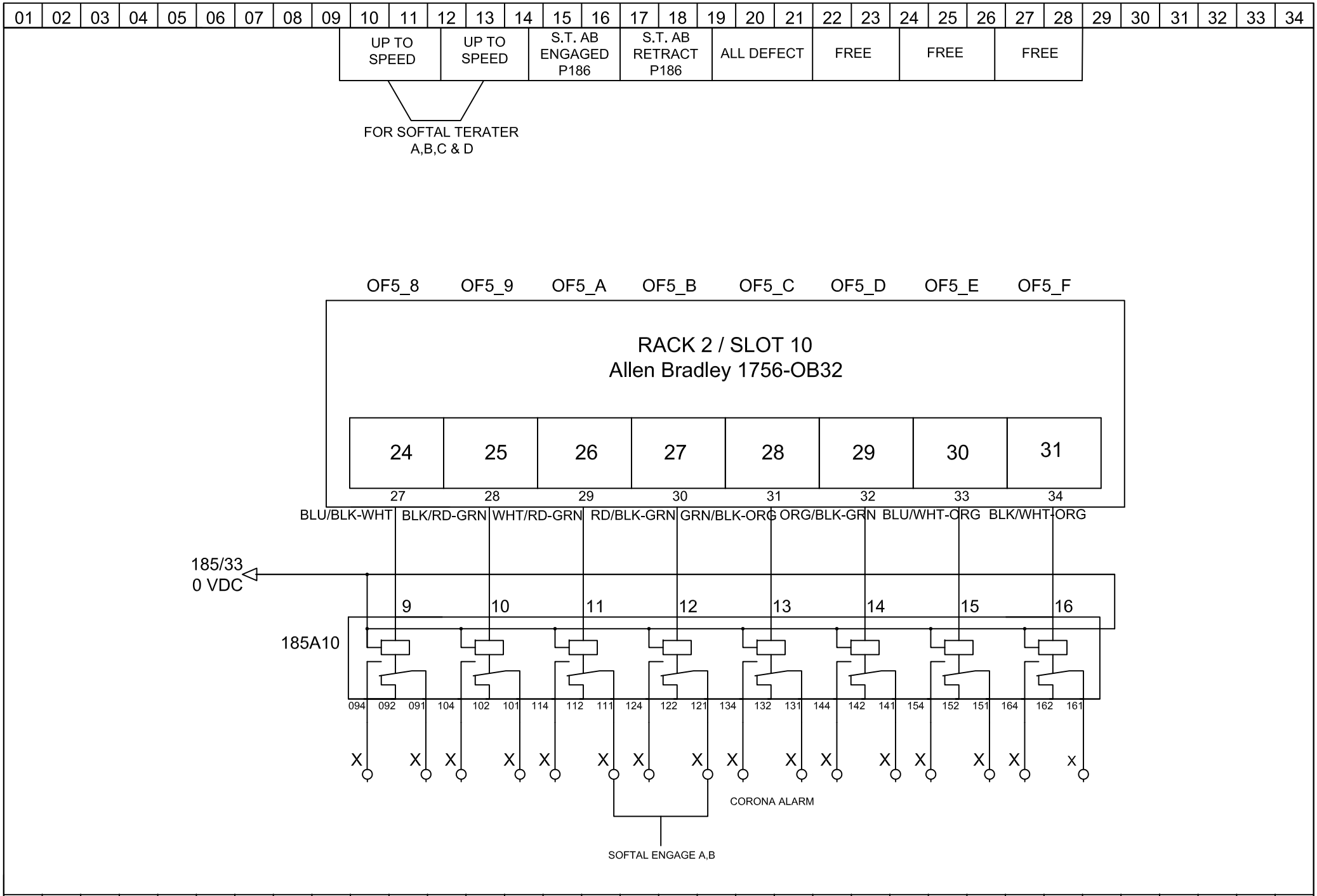
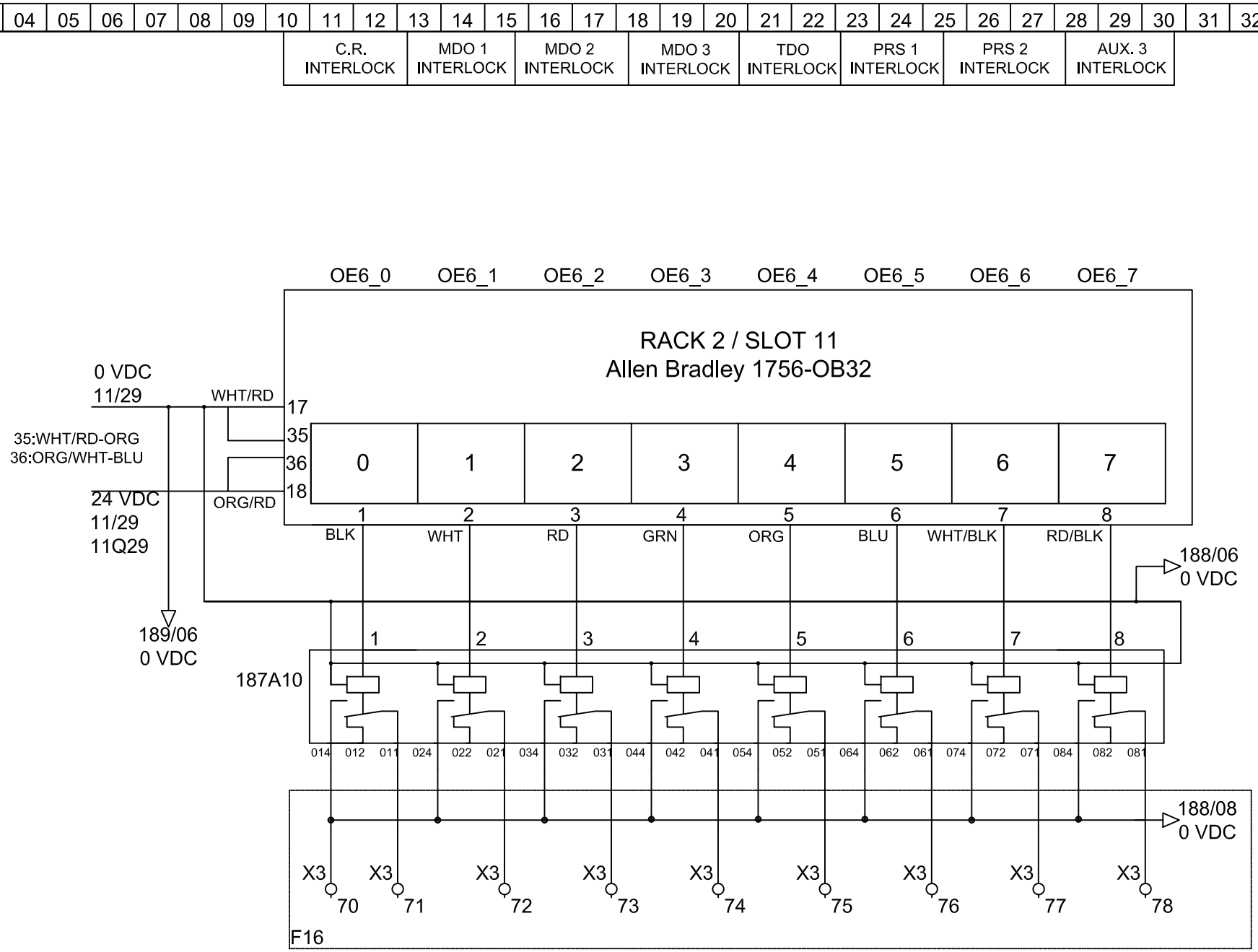
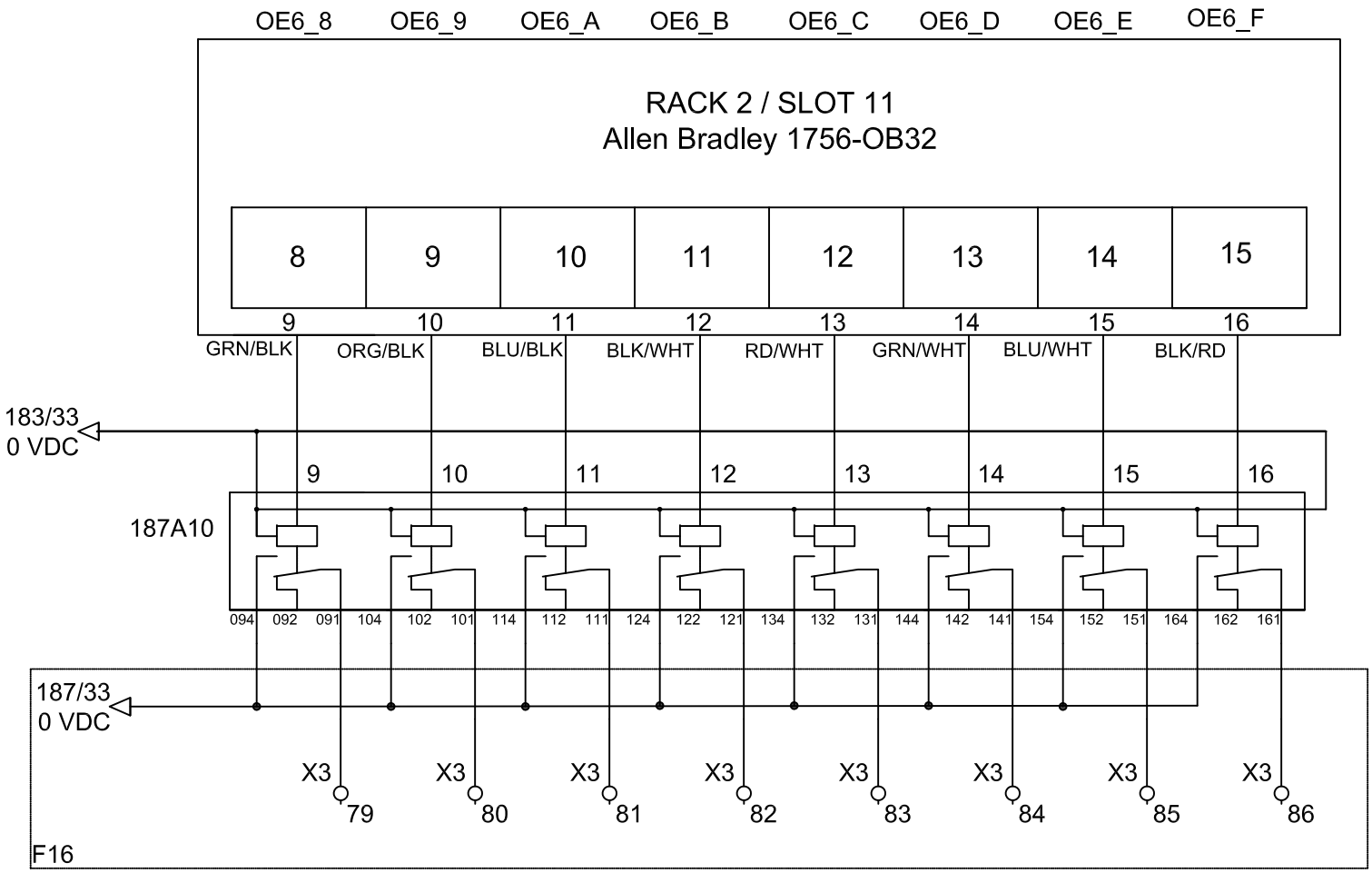


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	186			
		2	LINE1 F13 UPGRADE	Leo Lin	01/23/2025		Total				
DRAWN BY JEFF LEE		1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL			
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE	NONE	UNIT	MM



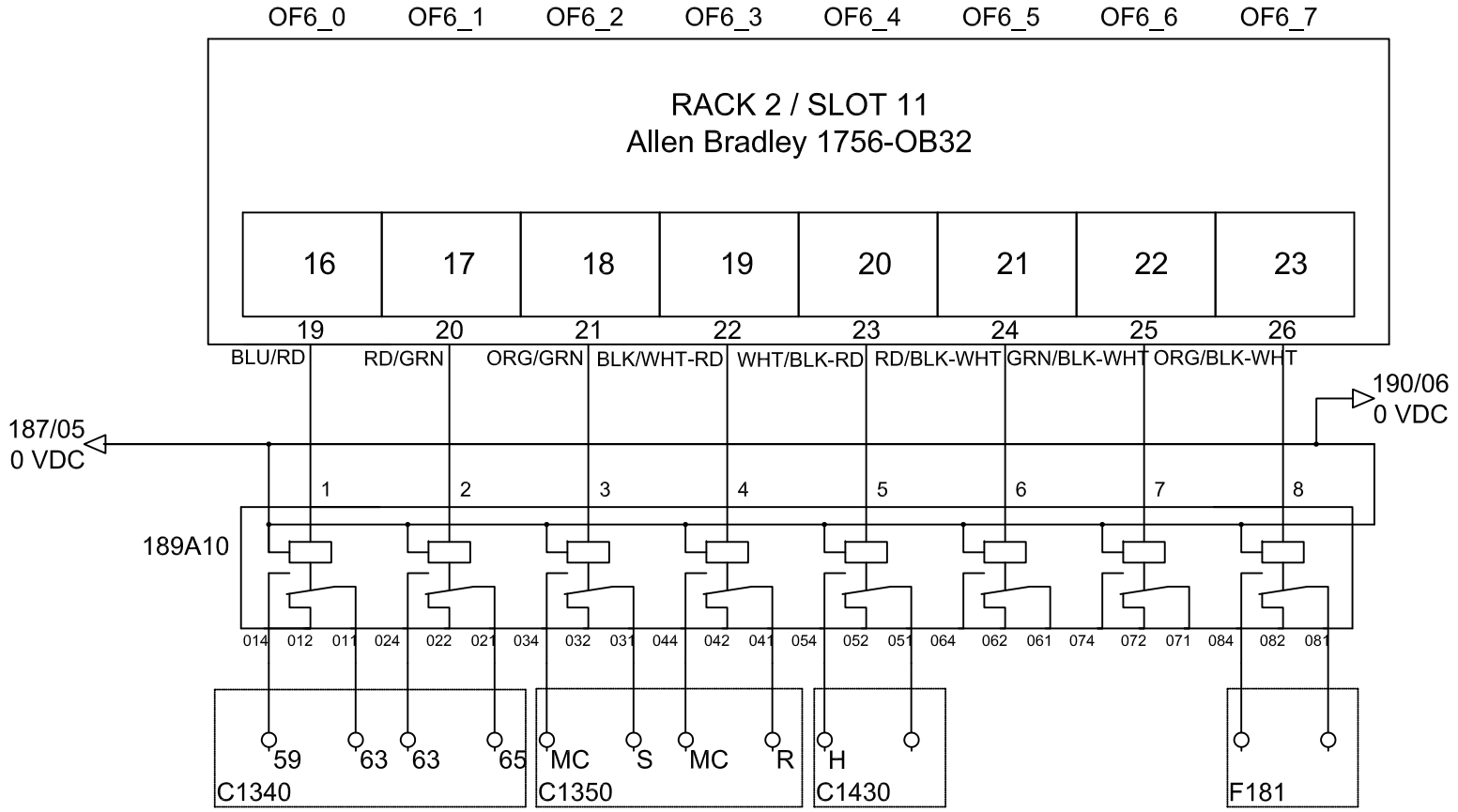
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	187	
							Total		
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL	
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE NONE	UNIT MM

AUX. 2 INTERLOCK	AUX. WINDER INTER	WEB BREAK MDO	WEB BREAK TDO	WEB BREAK PRS	MDO WARM ROLLS	TDO WARM	AUX. WINDER START/STOP



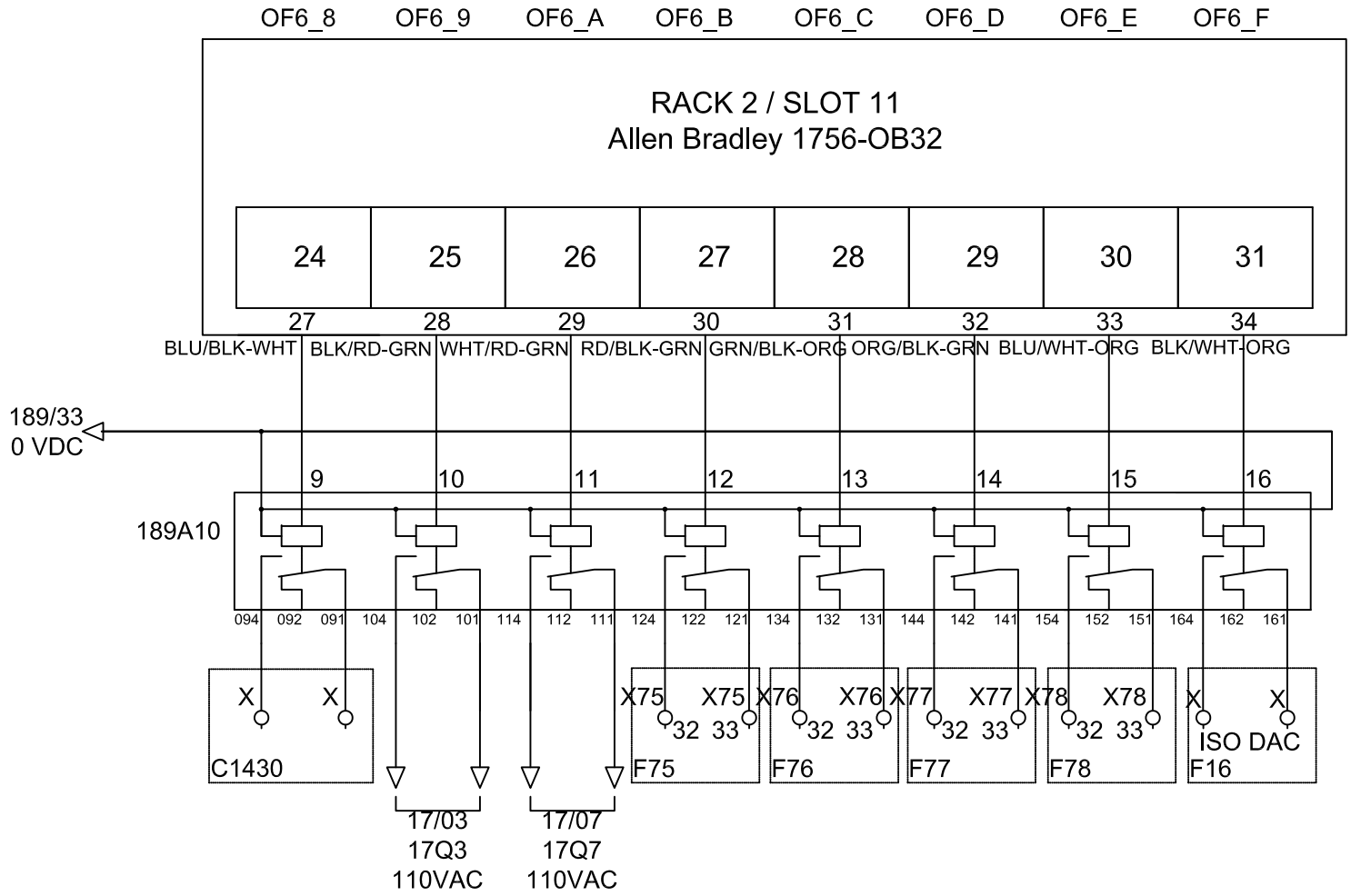
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	188		
							Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL		
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT MM

C.R COOLING INTER C1340	C.R COOLING INTER C1340	WATER BATH INTER C1350	WATER BATH COMM. C1350	START GAS BOILER SKID C1430	GAS BOILER SKID COMM. C1430	WATER BATH LEVEL SV1350-03	WEB BREAK FOR NESUREX



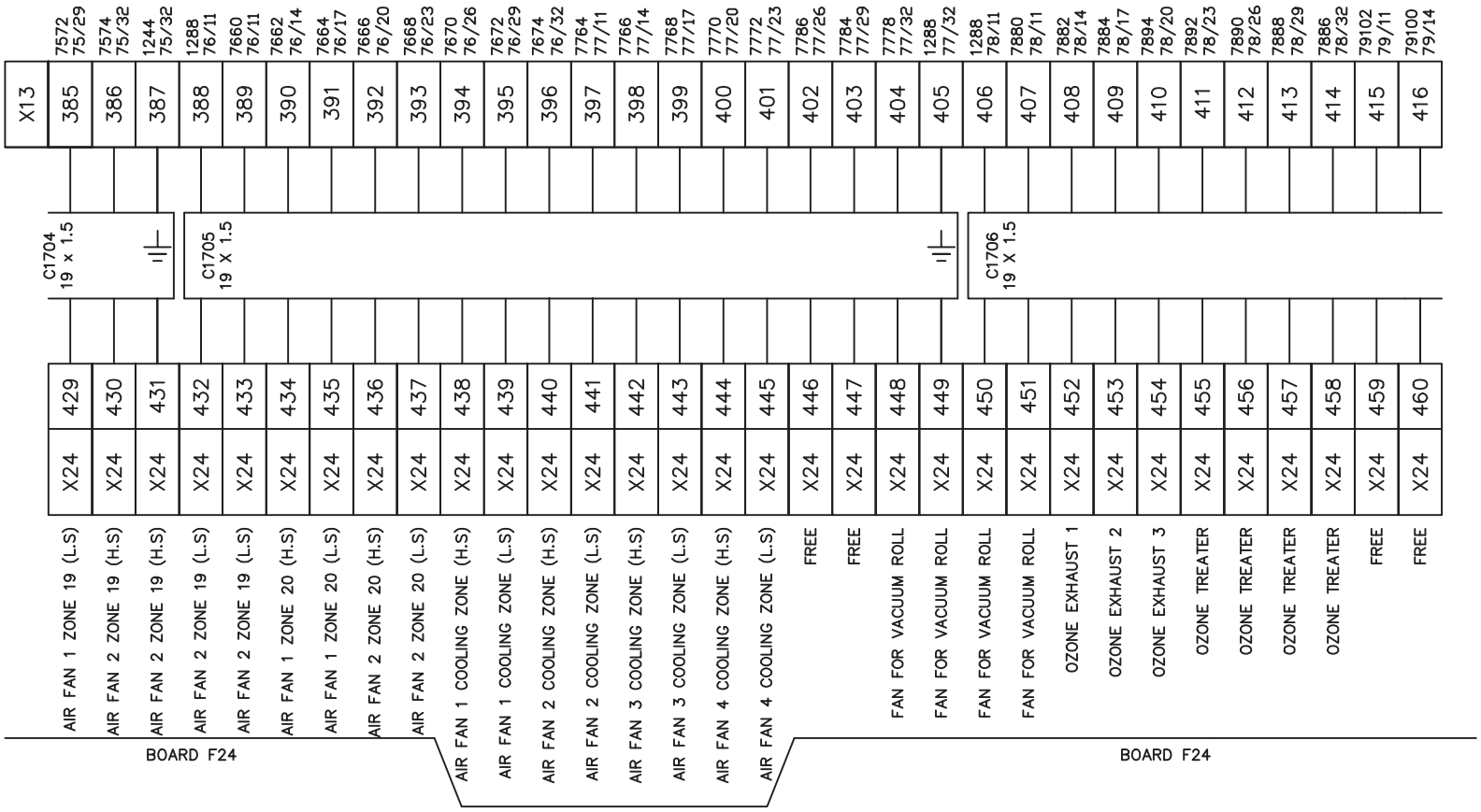
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	189		
		2	LINE1 F13 UPGRADE	Leo Lin	01/23/2025			Total			
DRAWN BY JEFF LEE		1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL			
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

GAS BOILER SKID	KLAXON	ROTATING LIGHT	COR.1 INTERLOCK	COR.2 INTERLOCK	COR.3 INTERLOCK	COR.4 INTERLOCK	START ORDER
C1430	PRS	PRS	WEB DETECT G1820-01	STOP G1820-02	STOP G1820-03	G1820-04	ISO DAC NESULEX
			XE04 FLAM TR	XE04 FLAM TR	XE04 FLAM TR		



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	190			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

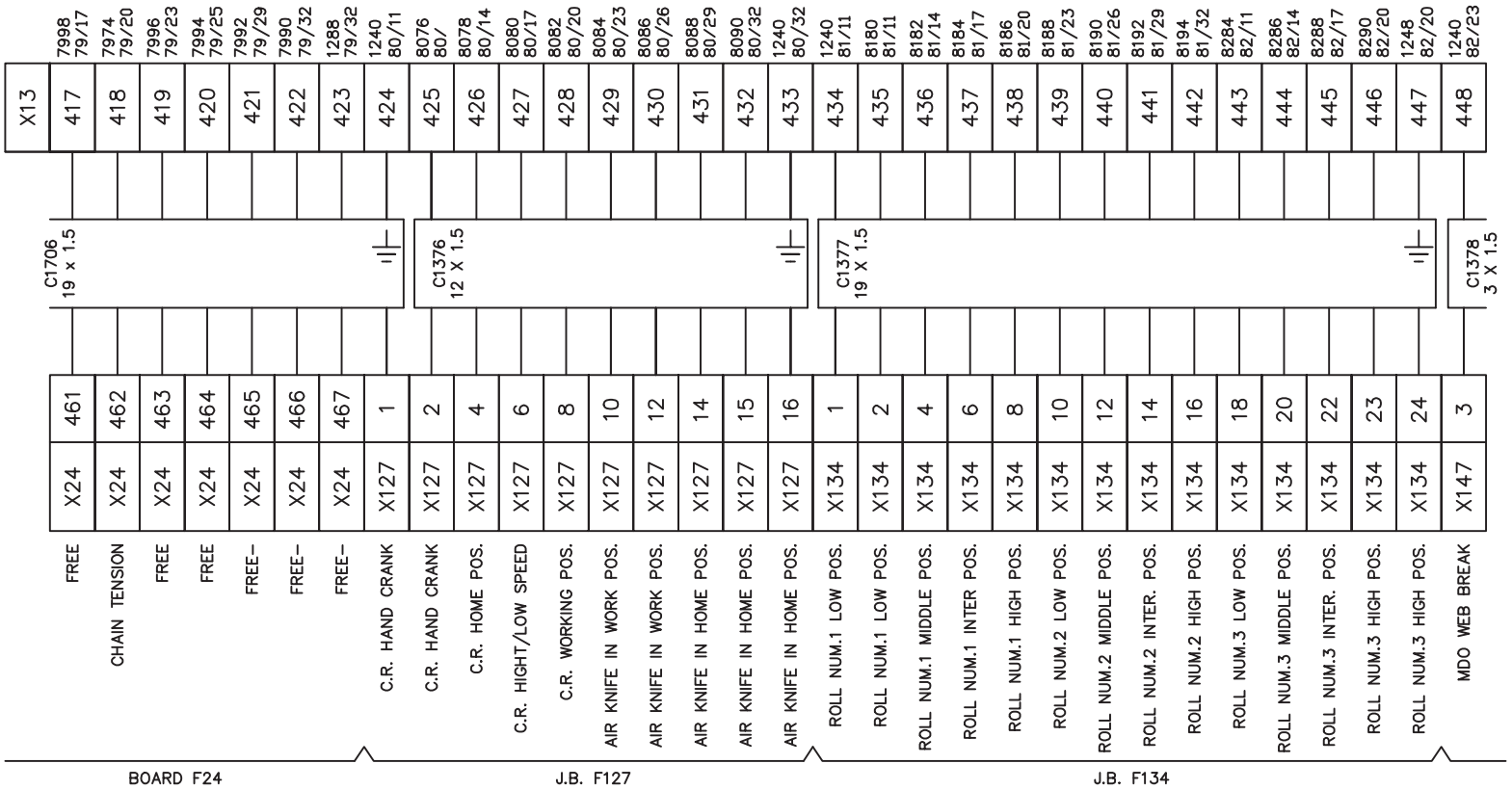
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39



00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 385–416					DRAWING DESCRIPTION	KF023 F13	Page #	222				
DRAWN BY	Perrick Hsiao							Total					
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.		MATERIAL					
						DRAWN DATE:	10–23–2014	SCALE	NONE	UNIT	MM		

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39



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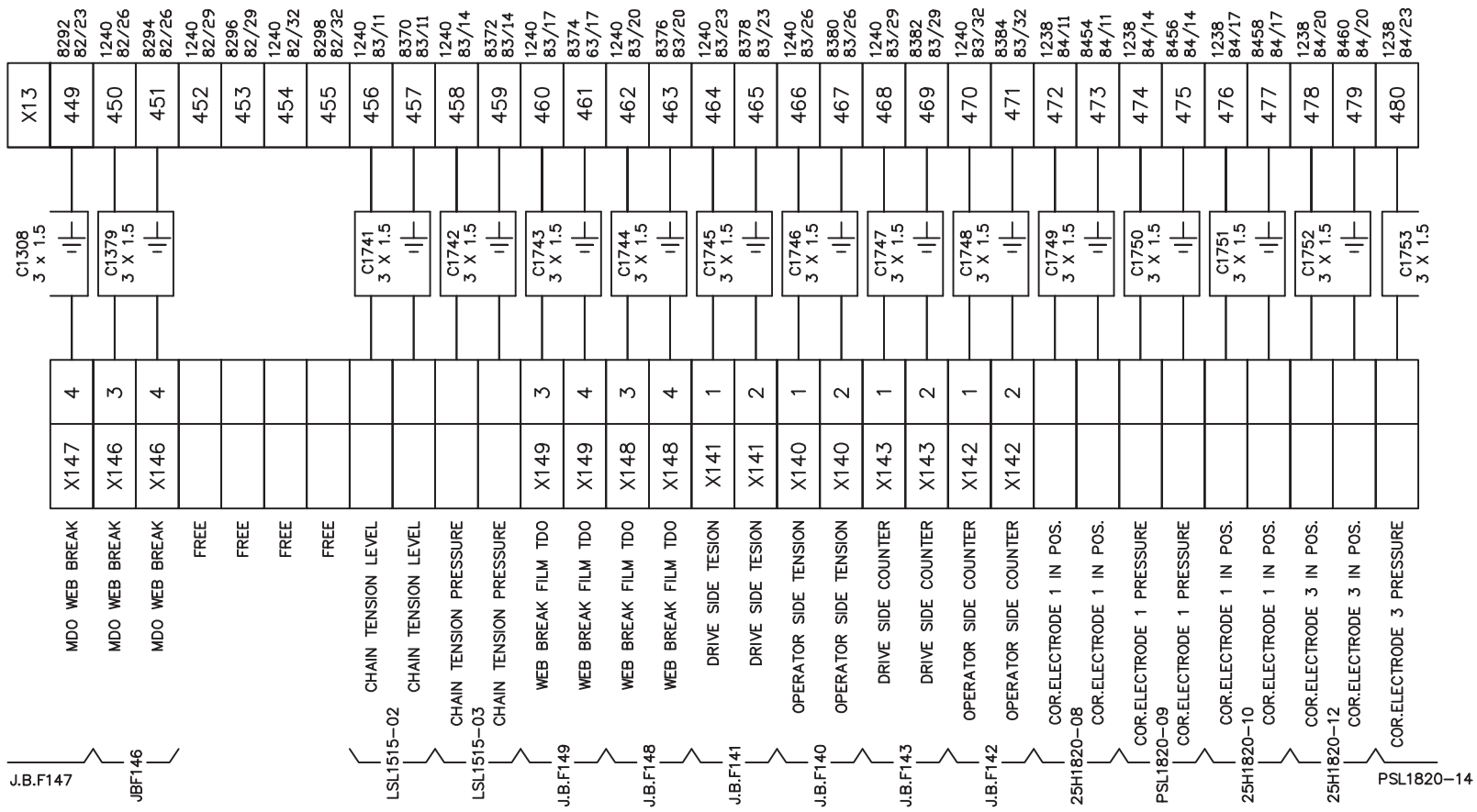
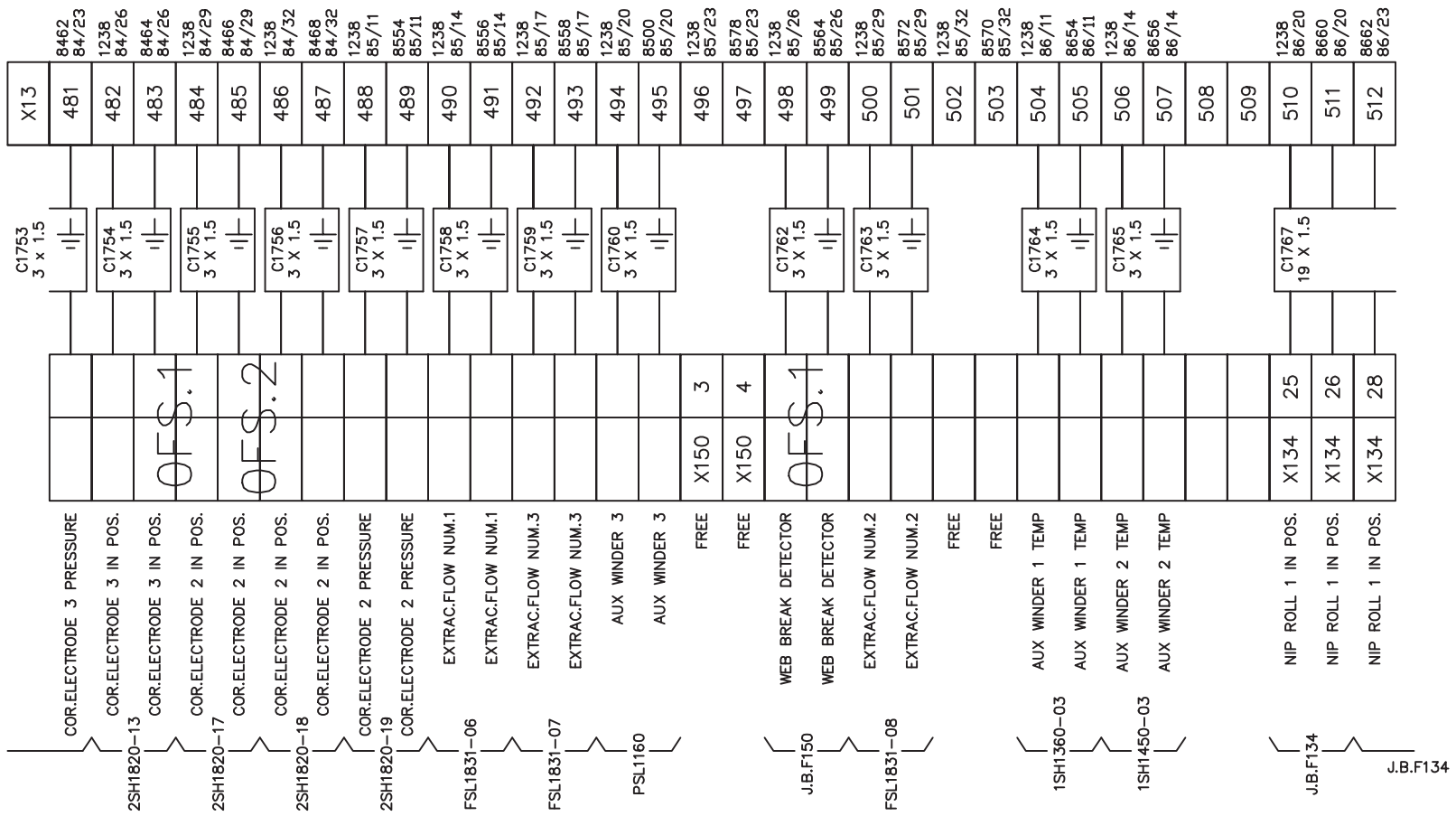


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 449–480				DRAWING DESCRIPTION	KF023 F13	Page #	224	
DRAWN BY Perrick Hsiao							Total		
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	MATERIAL		
						DRAWN DATE: 10–24–2014	SCALE NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 481–512					DRAWING DESCRIPTION	KF023 F13	Page #	225		
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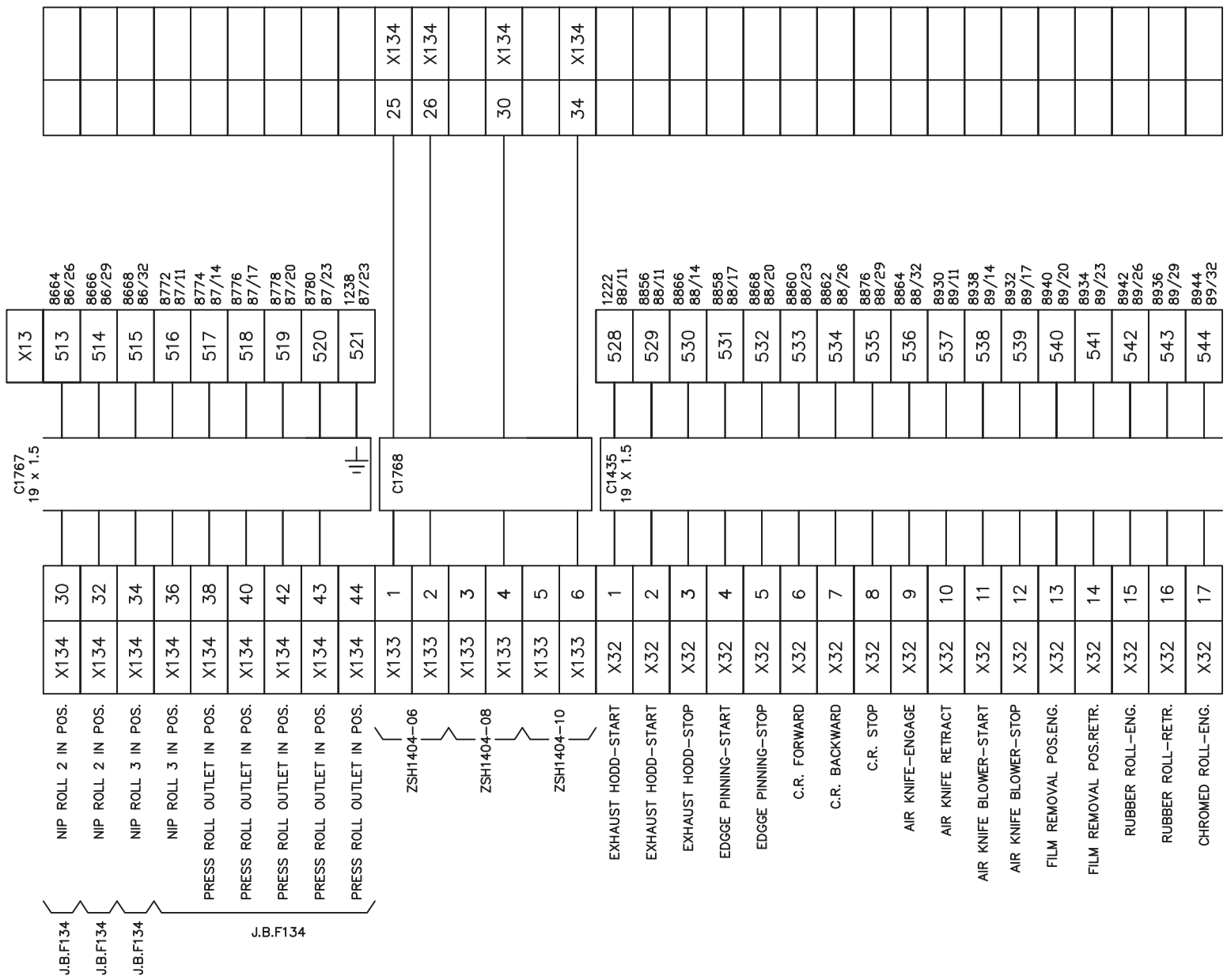
DRAWN BY	Perrick Hsiao					DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	10–24–2014	SCALE	NONE	UNIT	MM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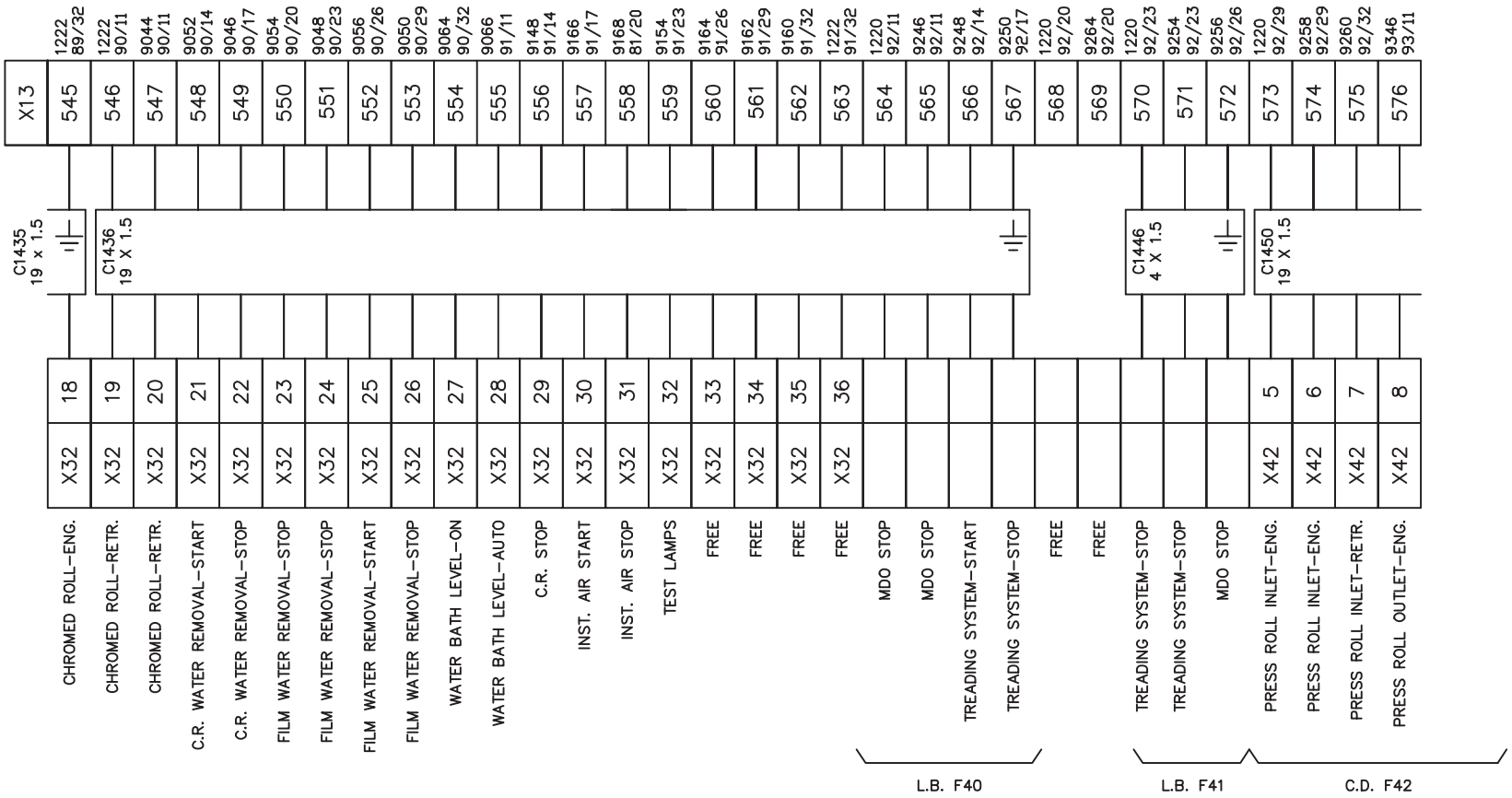
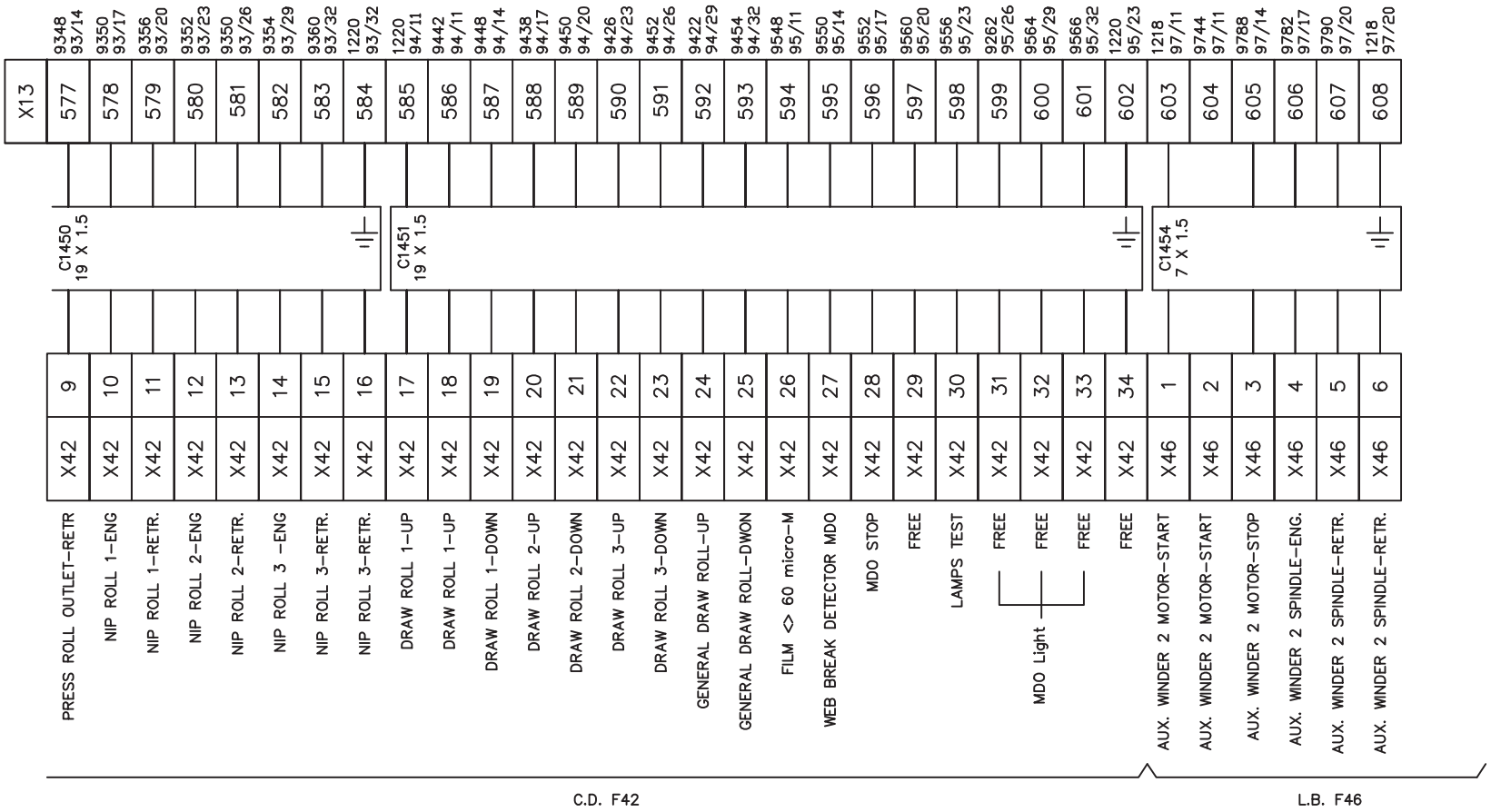
514 8666 86/29
515 8668 86/32
516 8772 87/11
517 8774 87/14
518 8776 87/17
519 8778 87/20
520 8780 87/23
521 1238 87/23
C1767 19 x 1.5
C1768
C1435 19 X 1.5
528 1222 88/11
529 8856 88/11
530 8866 88/14
531 8858 88/17
532 8868 88/20
533 8860 88/23
534 8862 88/26
535 8876 88/29
536 8864 88/32
537 8930 89/11
538 8938 89/14
539 8932 89/17
540 8940 89/20
541 8934 89/23
542 8942 89/26
543 8936 89/29
544 8944 89/32
25 X134
26 X134
30 X134
34 X134
30 X134 NIP ROLL 2 IN POS.
32 X134 NIP ROLL 2 IN POS.
34 X134 NIP ROLL 3 IN POS.
36 X134 NIP ROLL 3 IN POS.
38 X134 PRESS ROLL OUTLET IN POS.
40 X134 PRESS ROLL OUTLET IN POS.
42 X134 PRESS ROLL OUTLET IN POS.
43 X134 PRESS ROLL OUTLET IN POS.
44 X134 PRESS ROLL OUTLET IN POS.
1 X133 ZSH1404-06
2 X133
3 X133 ZSH1404-08
4 X133
5 X133 ZSH1404-10
6 X133
1 X32 EXHAUST HODD-START
2 X32 EXHAUST HODD-START
3 X32 EXHAUST HODD-STOP
4 X32 EDGGE PINNING-START
5 X32 EDGGE PINNING-STOP
6 X32 C.R. FORWARD
7 X32 C.R. BACKWARD
8 X32 C.R. STOP
9 X32 AIR KNIFE-ENGAGE
10 X32 AIR KNIFE RETRACT
11 X32 AIR KNIFE BLOWER-START
12 X32 AIR KNIFE BLOWER-STOP
13 X32 FILM REMOVAL POS.ENG.
14 X32 FILM REMOVAL POS.RETR.
15 X32 RUBBER ROLL-ENG.
16 X32 RUBBER ROLL-RETR.
17 X32 CHROMED ROLL-ENG.
J.B.F134
J.B.F134
J.B.F134
J.B.F134

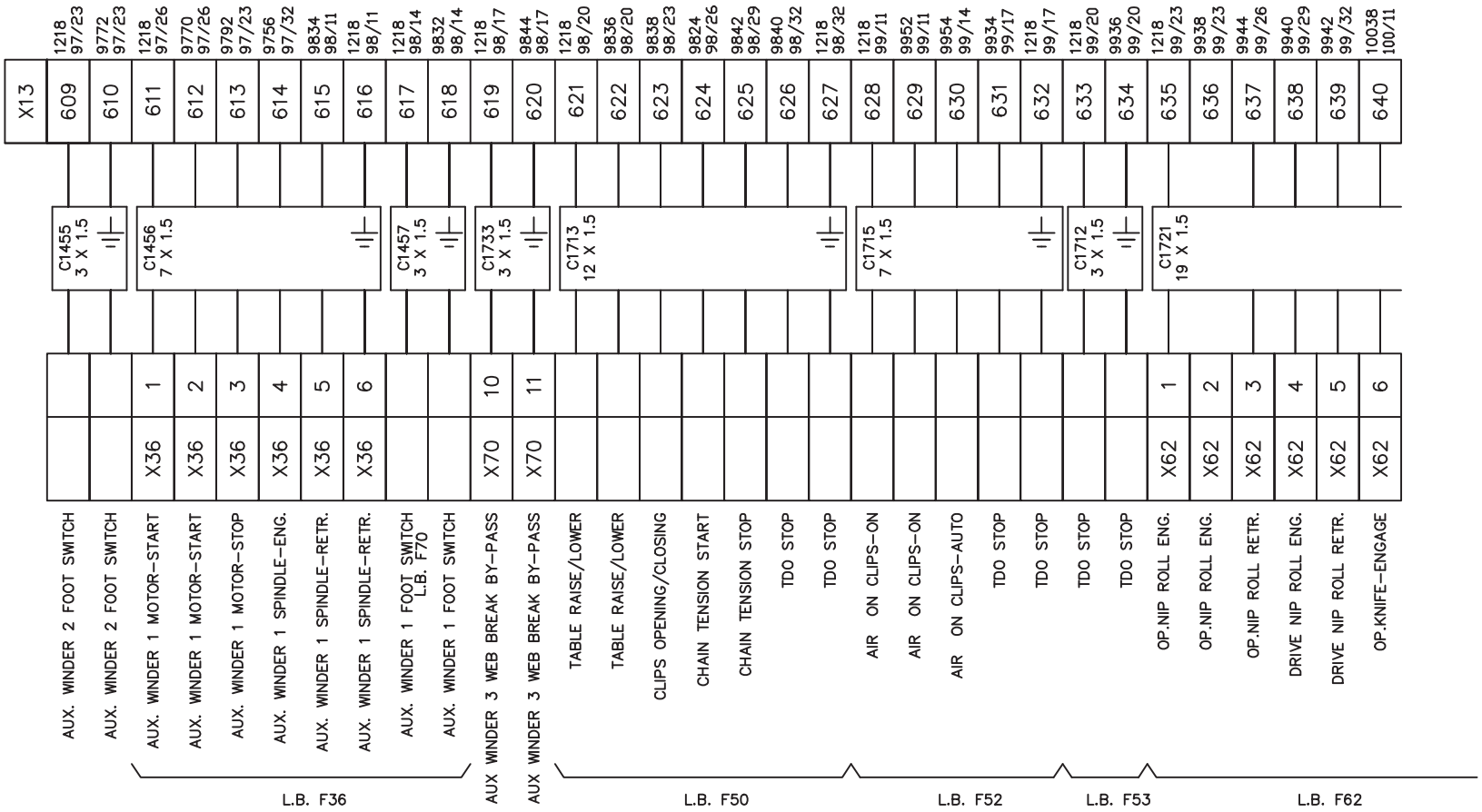
| | | |



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 545–576				DRAWING DESCRIPTION	KF023 F13	Page #	227	
DRAWN BY Perrick Hsiao							Total		
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	MATERIAL		
						DRAWN DATE: 10–28–2014	SCALE NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 577-608				DRAWING DESCRIPTION	KF023 F13	Page #	228	
DRAWN BY Perrick Hsiao							Total		
					DRAWING NO.		MATERIAL		
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 10-29-2014	SCALE NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 609-640					DRAWING DESCRIPTION	KF023 F13	Page #	229		
								Total			
DRAWN BY Perrick Hsiao						DRAWING NO.		MATERIAL			
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	10-29-2014	SCALE	NONE	UNIT	MM

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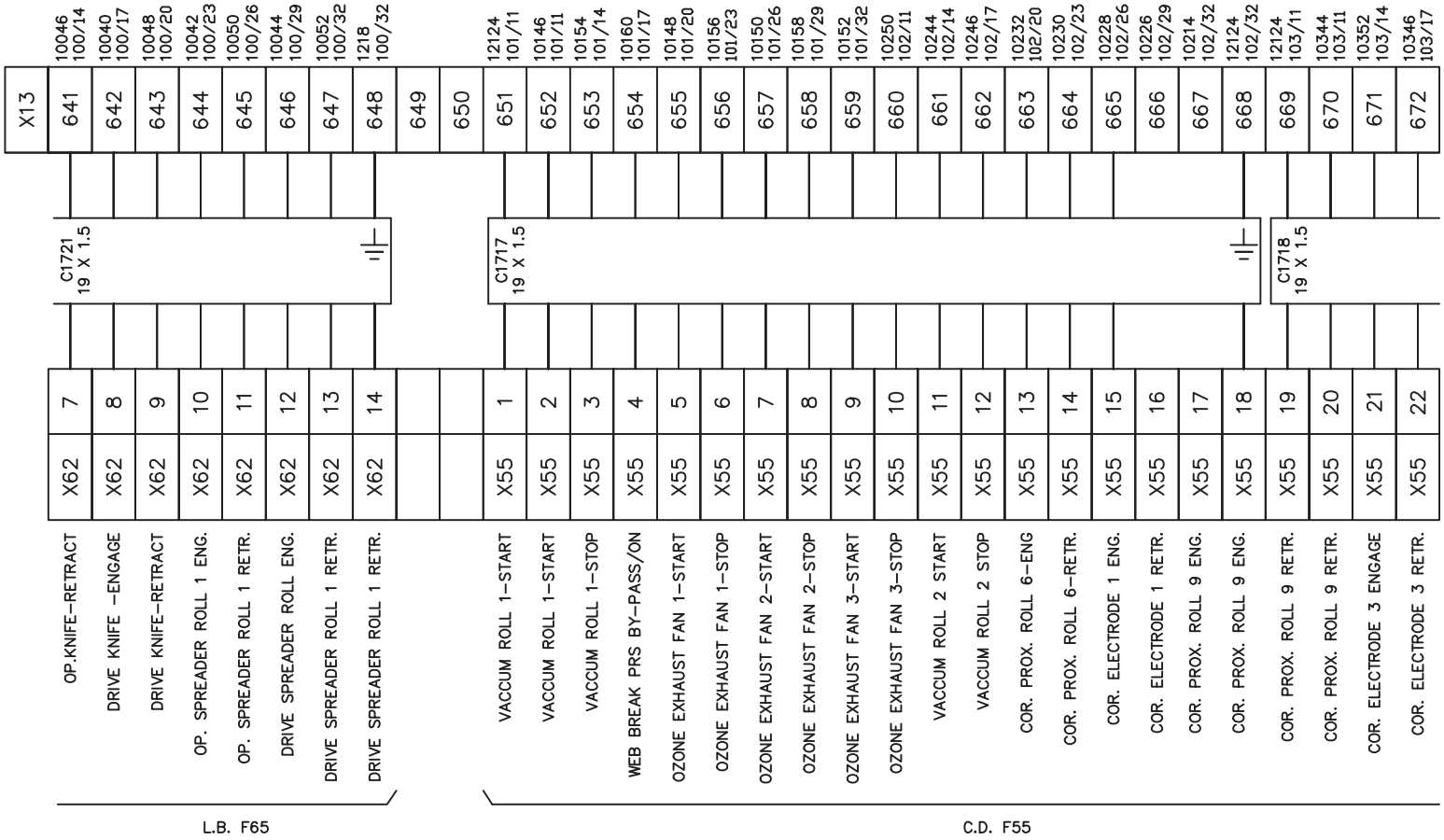

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 641–672					DRAWING DESCRIPTION	KF023 F13	Page #	230				
DRAWN BY	Perrick Hsiao							Total					
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.		MATERIAL					
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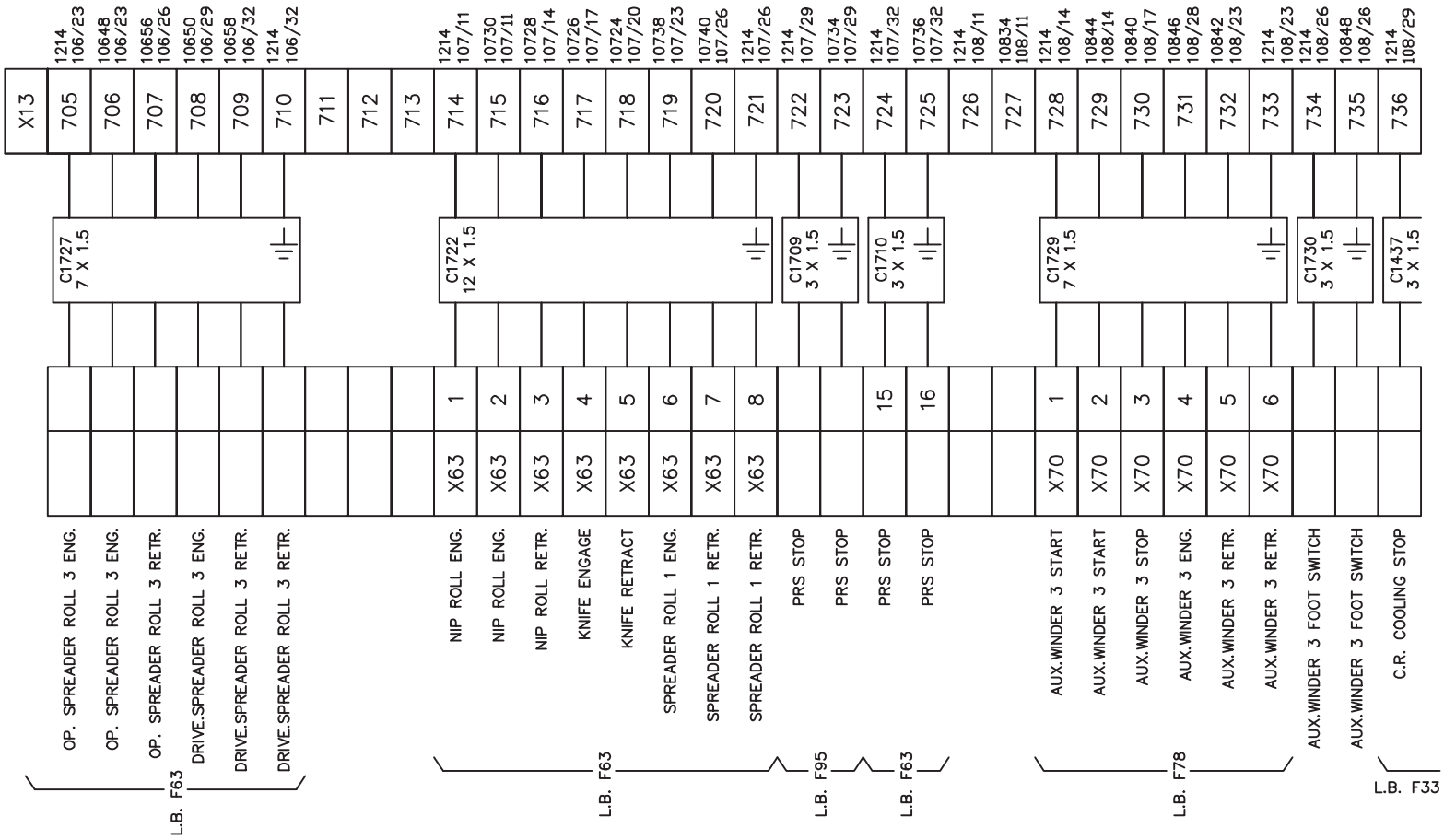

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 705–736					DRAWING DESCRIPTION	KF023 F13	Page #	232		
DRAWN BY	Perrick Hsiao							Total			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.		MATERIAL			
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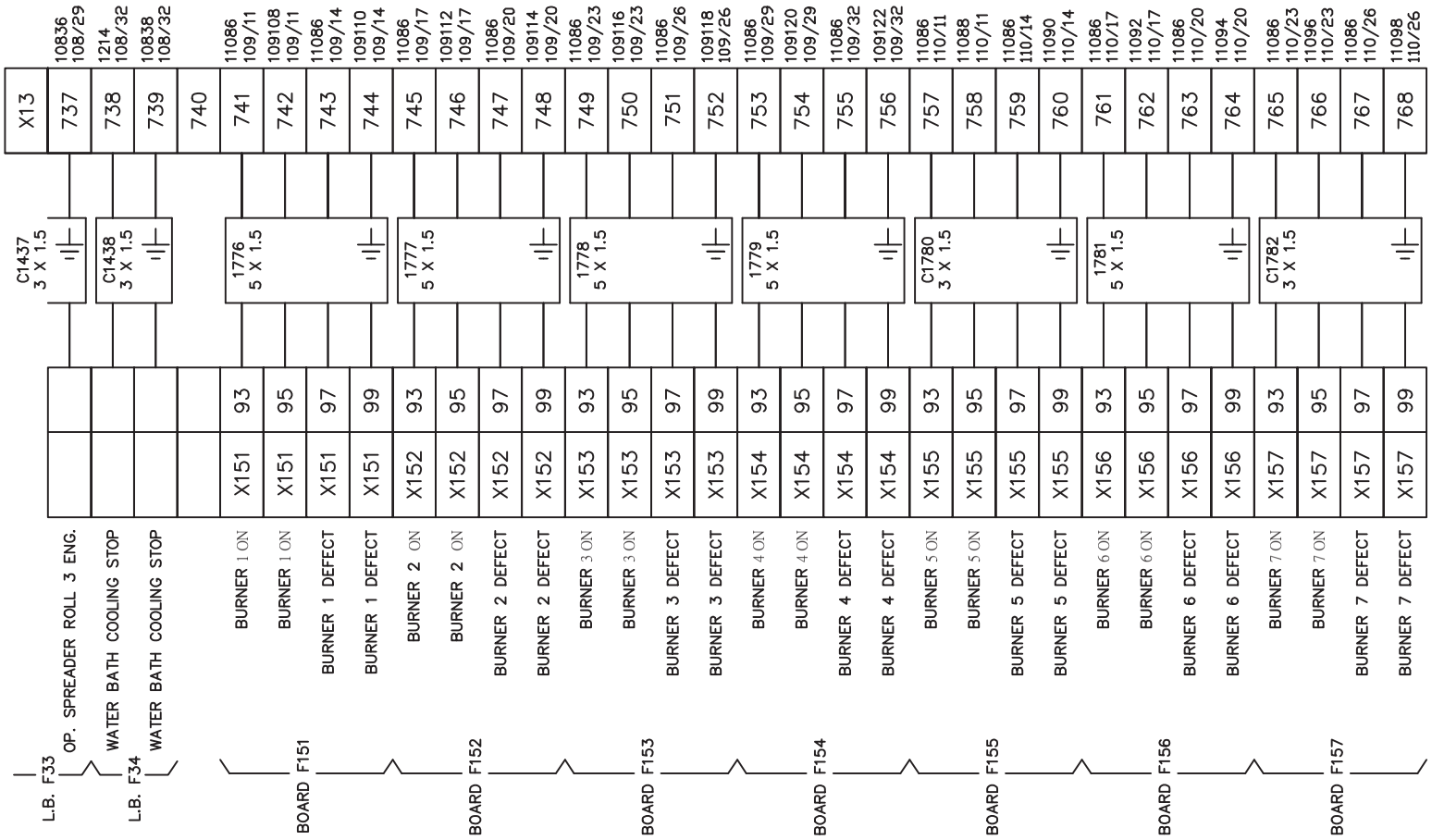
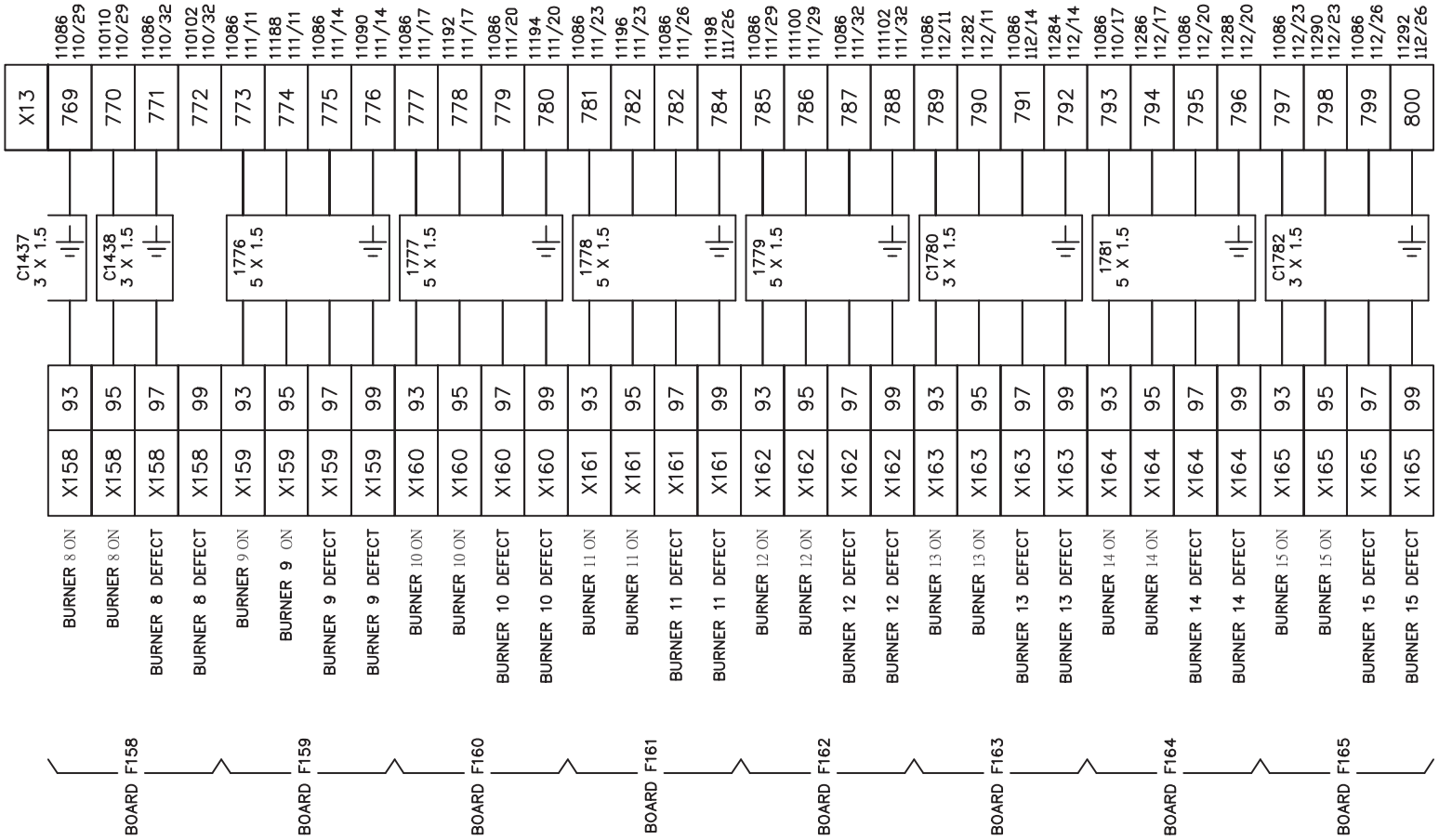


00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 737–768					DRAWING DESCRIPTION	KF023 F13	Page #	233		
								Total			
DRAWN BY Perrick Hsiao						DRAWING NO.		MATERIAL			
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	10–27–2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 769–800					DRAWING DESCRIPTION	KF023 F13		Page #	234		
DRAWN BY	Perrick Hsiao								Total			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	10–27–2014	DRAWING NO.	MATERIAL			
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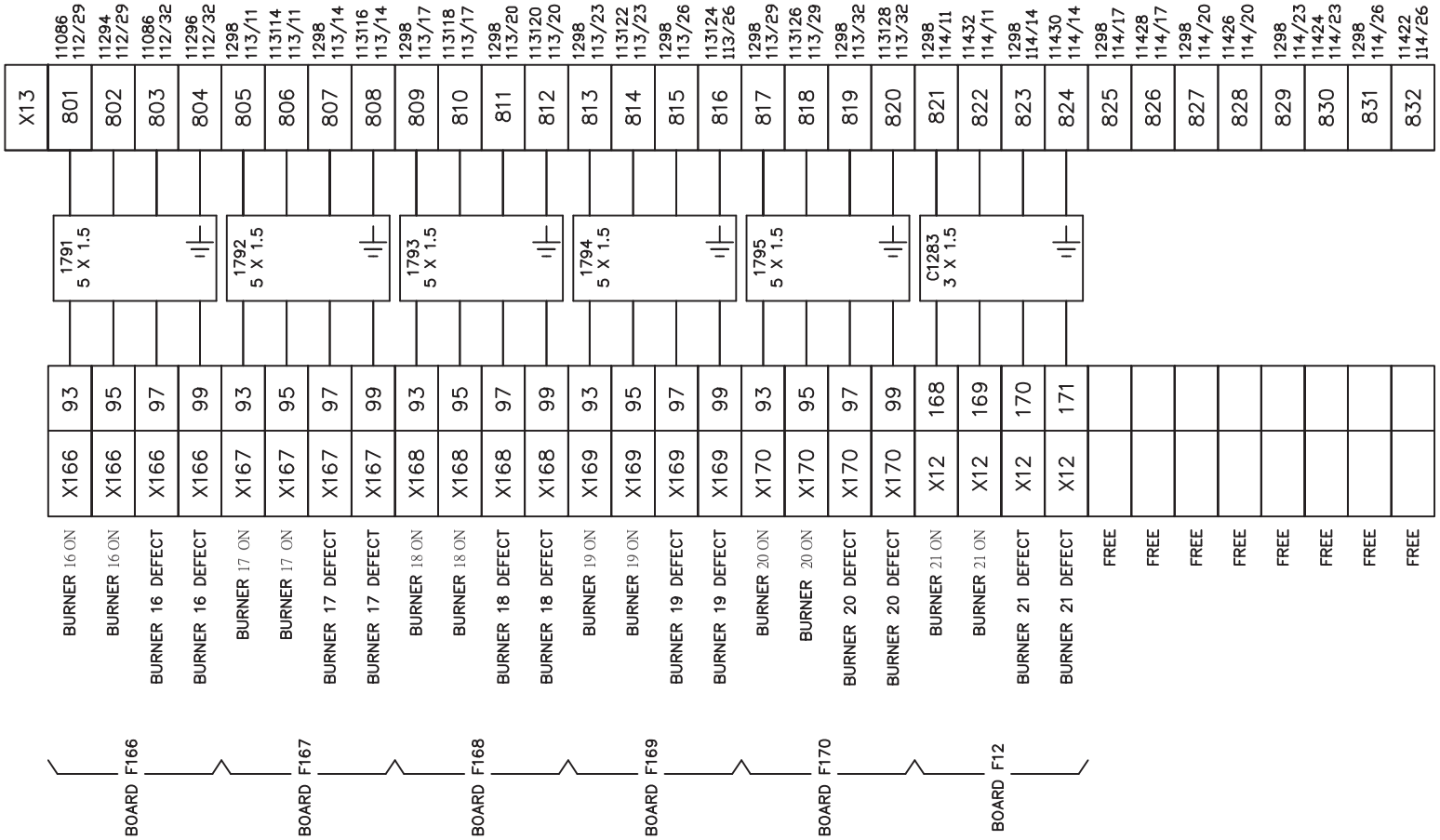

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 801–832					DRAWING DESCRIPTION	KF023 F13	Page #	235		
DRAWN BY Perrick Hsiao								Total			
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	10–27–2014	MATERIAL			
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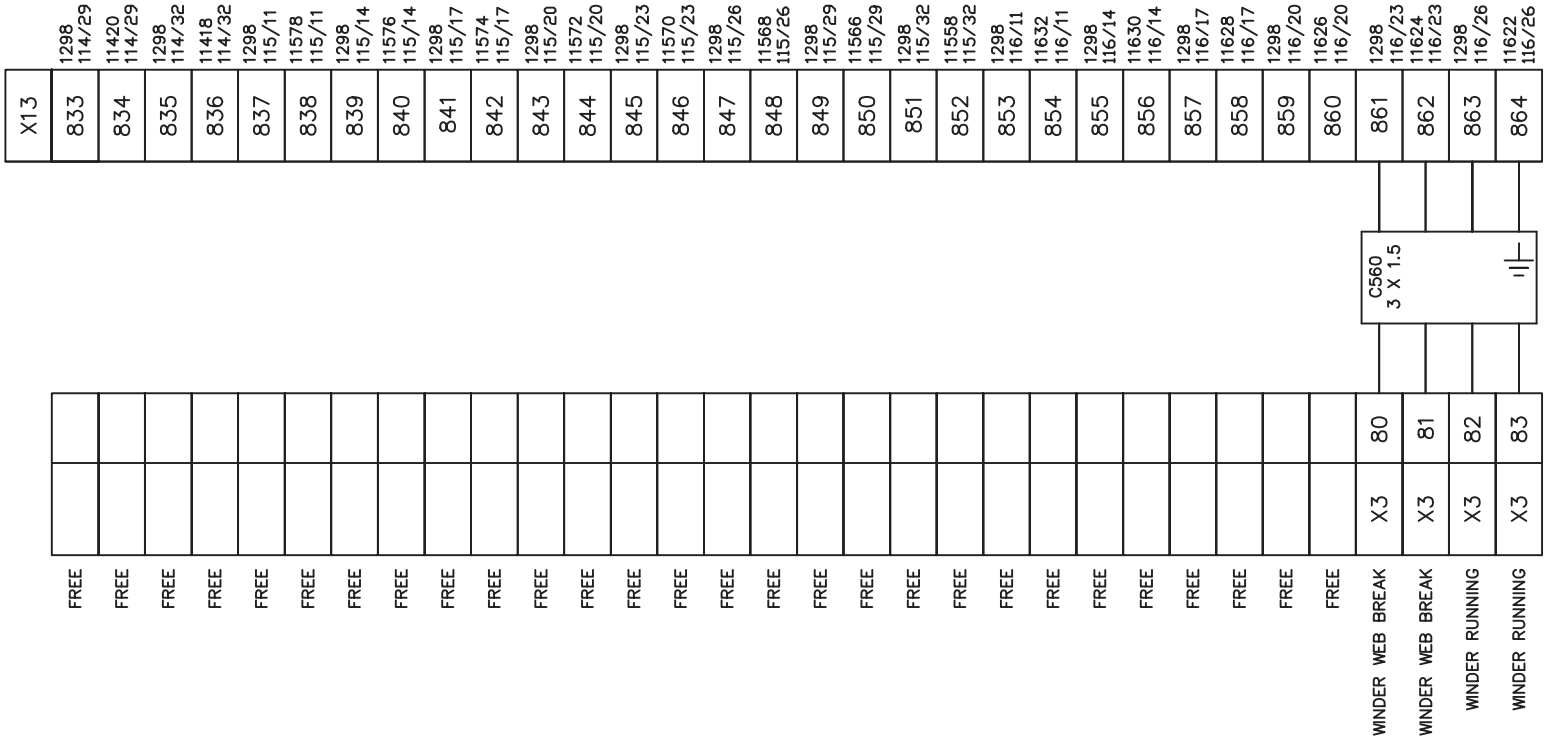
X13
833 1298 114/29 FREE
834 11420 114/29 FREE
835 1298 114/32 FREE
836 11418 114/32 FREE
837 1298 115/11 FREE
838 11578 115/11 FREE
839 1298 115/14 FREE
840 11576 115/14 FREE
841 1298 115/17 FREE
842 11574 115/17 FREE
843 1298 115/20 FREE
844 11572 115/20 FREE
845 1298 115/23 FREE
846 11570 115/23 FREE
847 1298 115/26 FREE
848 11568 115/26 FREE
849 1298 115/29 FREE
850 11566 115/29 FREE
851 1298 115/32 FREE
852 11558 115/32 FREE
853 1298 116/11 FREE
854 11632 116/11 FREE
855 1298 116/14 FREE
856 11630 116/14 FREE
857 1298 116/17 FREE
858 11628 116/17 FREE
859 1298 116/20 FREE
860 11626 116/20 FREE
861 1298 116/23 X3 80 WINDER WEB BREAK
862 11624 116/23 X3 81 WINDER WEB BREAK
863 1298 116/26 X3 82 WINDER RUNNING
864 11622 116/26 X3 83 WINDER RUNNING
C560
3 X 1.5

| | | |

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

	1298 116/29	11620 116/29	1298 116/32	11618 116/32	1296 117/11	11782 117/11	1296 117/14	11780 117/14	1296 117/17	11778 117/17	1296 117/20	11776 117/20	1296 117/23	11774 117/23	1296 117/26	11772 117/26	1296 117/29	11770 117/29	1296 117/32	11768 117/32	1296 118/11	10830 110/11	1296 118/14	11828 118/14	1296 118/17	11826 118/17	1296 118/20	11824 118/20	1296 118/23	11822 118/23	1296 118/26	11820 118/26
X13	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896

FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 865–896					DRAWING DESCRIPTION	KF023 F13	Page #	237				
								Total					
DRAWN BY	Perrick Hsiao					DRAWING NO.		MATERIAL					
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	10–28–2014	SCALE	NONE	UNIT	MM		

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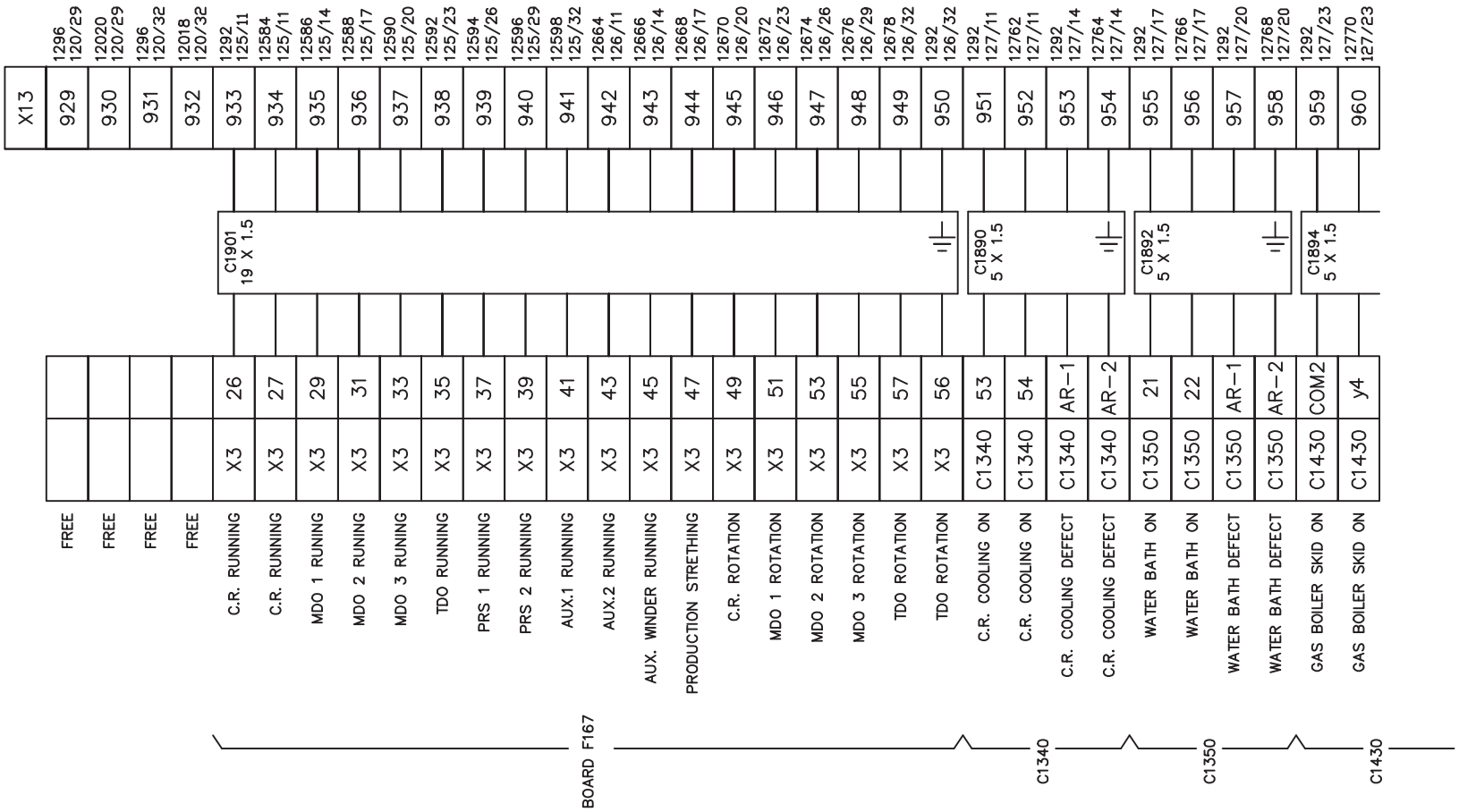
	1296 118/29	11818 118/29	1296 118/32	118186 118/32	1296 119/11	11932 119/11	1296 119/14	11930 119/14	1296 119/17	11928 119/17	1296 119/20	11926 119/20	1296 119/23	11924 119/23	1296 119/26	11922 119/26	1296 119/29	11920 119/29	1296 119/32	11918 119/32	1296 120/11	12032 120/11	1296 120/14	12030 120/14	1296 120/17	12028 120/17	1296 120/20	12026 120/20	1296 120/23	12024 120/23	1296 120/26	12022 120/26
X13	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928

FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE	FREE

WINDER WEB BREAK

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 897–928					DRAWING DESCRIPTION	KF023 F13	Page #	238				
DRAWN BY	Perrick Hsiao							Total					
						DRAWING NO.		MATERIAL					
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	10–28–2014	SCALE	NONE	UNIT	MM		



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 929–960				DRAWING DESCRIPTION	KF023 F13	Page #	239		
DRAWN BY Perrick Hsiao							Total			
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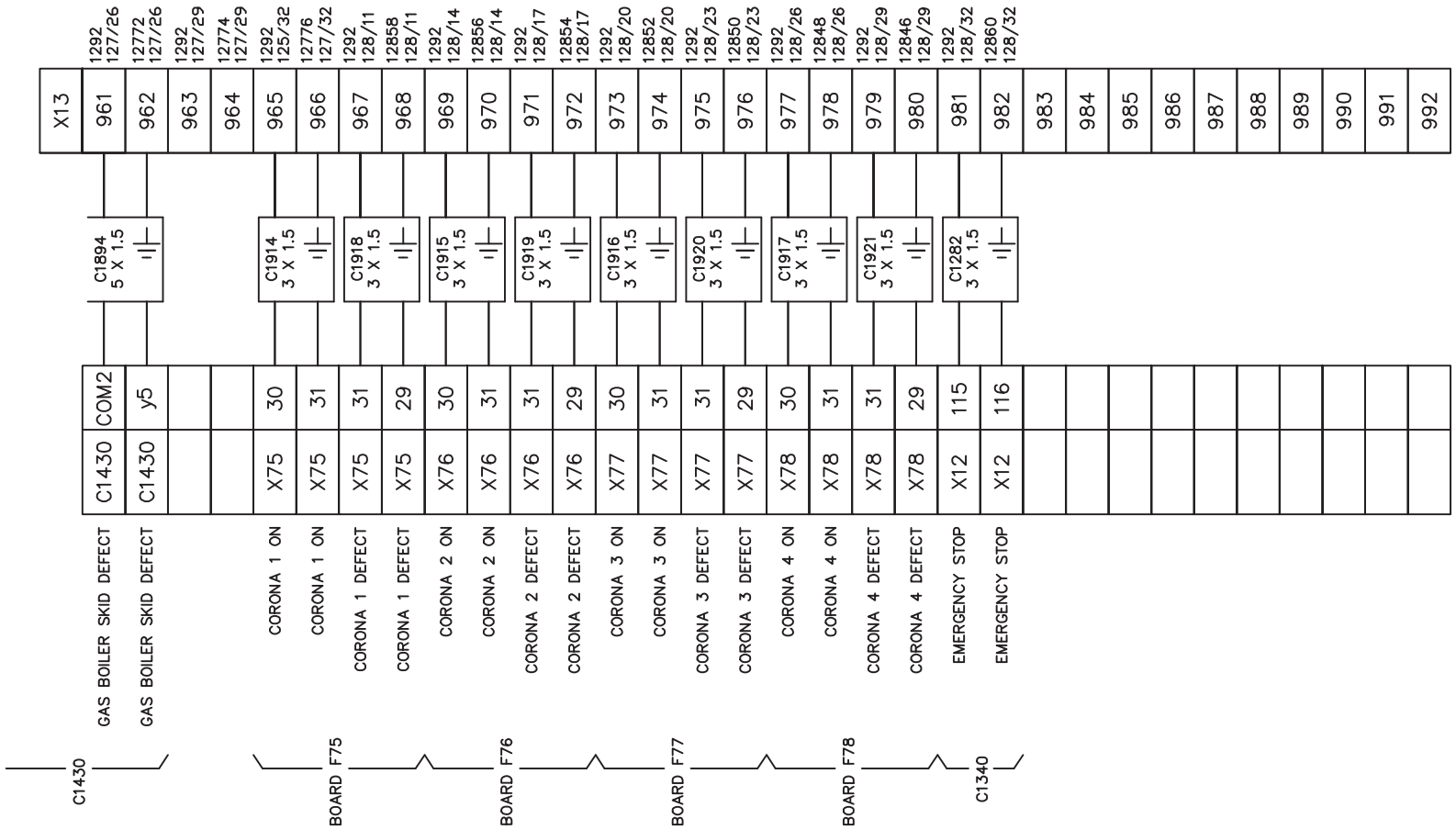
CHECKED BY		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 01–13–2015	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 961–992					DRAWING DESCRIPTION	KF023 F13	Page #	240		
DRAWN BY Perrick Hsiao								Total			
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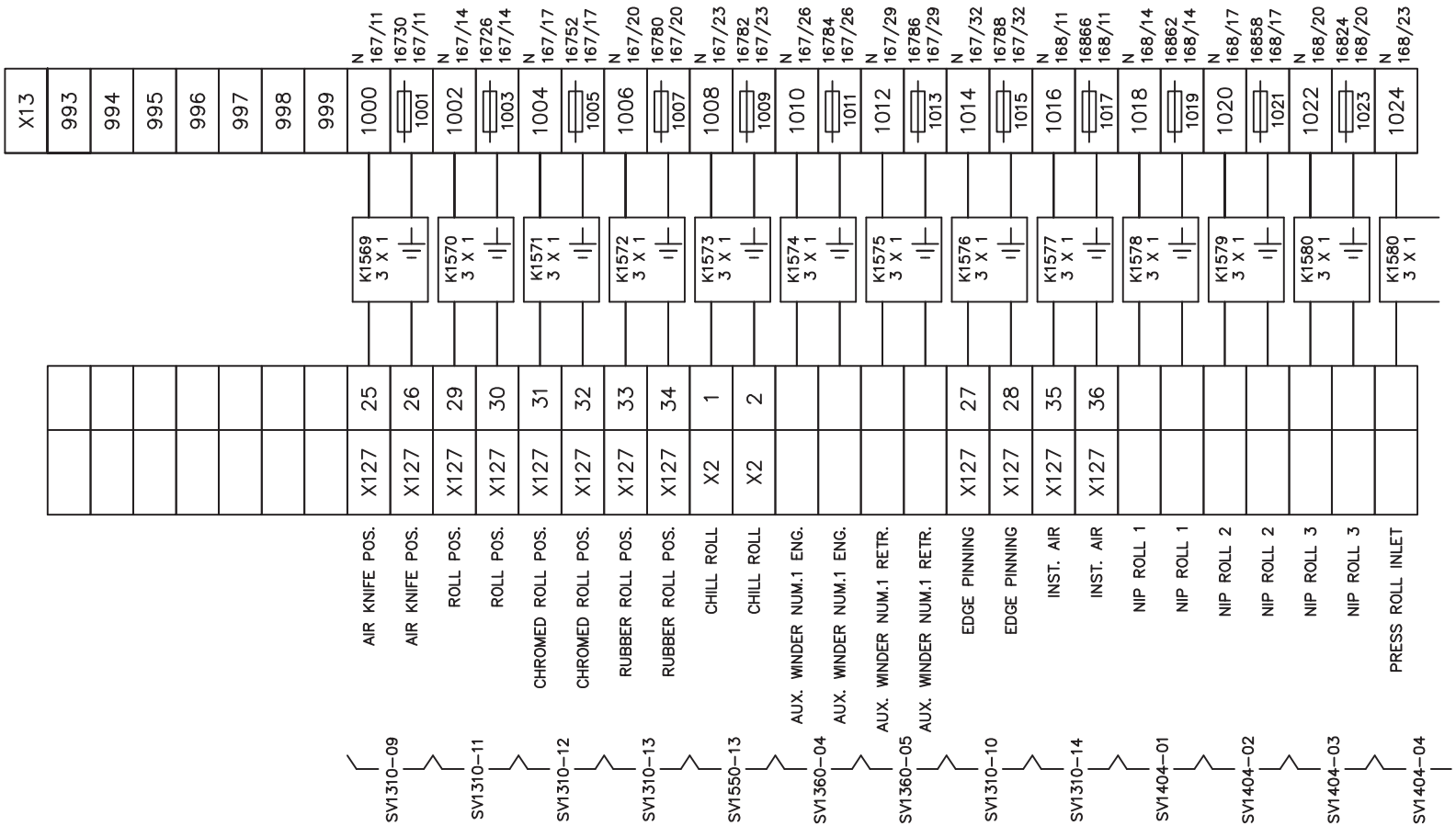
CHECKED BY		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	01–13–2015	SCALE	NONE	UNIT	MM


X13
993
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1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
1018
1019
1020
1021
1022
1023
1024
N 167/11 16730 167/11
N 167/14 16726 167/14
N 167/17 16752 167/17
N 167/20 16780 167/20
N 167/23 16782 167/23
N 167/26 16784 167/26
N 167/29 16786 167/29
N 167/32 16788 167/32
N 168/11 16866 168/11
N 168/14 16862 168/14
N 168/17 16858 168/17
N 168/20 16824 168/20
N 168/23
K1569 3 X 1
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K1577 3 X 1
K1578 3 X 1
K1579 3 X 1
K1580 3 X 1
K1580 3 X 1
25 X127
26 X127
29 X127
30 X127
31 X127
32 X127
33 X127
34 X127
1 X2
2 X2
27 X127
28 X127
35 X127
36 X127
AIR KNIFE POS.
AIR KNIFE POS.
ROLL POS.
ROLL POS.
CHROMED ROLL POS.
CHROMED ROLL POS.
RUBBER ROLL POS.
RUBBER ROLL POS.
CHILL ROLL
CHILL ROLL
AUX. WINDER NUM.1 ENG.
AUX. WINDER NUM.1 ENG.
AUX. WINDER NUM.1 RETR.
AUX. WINDER NUM.1 RETR.
EDGE PINNING
EDGE PINNING
INST. AIR
INST. AIR
NIP ROLL 1
NIP ROLL 1
NIP ROLL 2
NIP ROLL 2
NIP ROLL 3
NIP ROLL 3
PRESS ROLL INLET
SV1310-09
SV1310-11
SV1310-12
SV1310-13
SV1550-13
SV1360-04
SV1360-05
SV1310-10
SV1310-14
SV1404-01
SV1404-02
SV1404-03
SV1404-04

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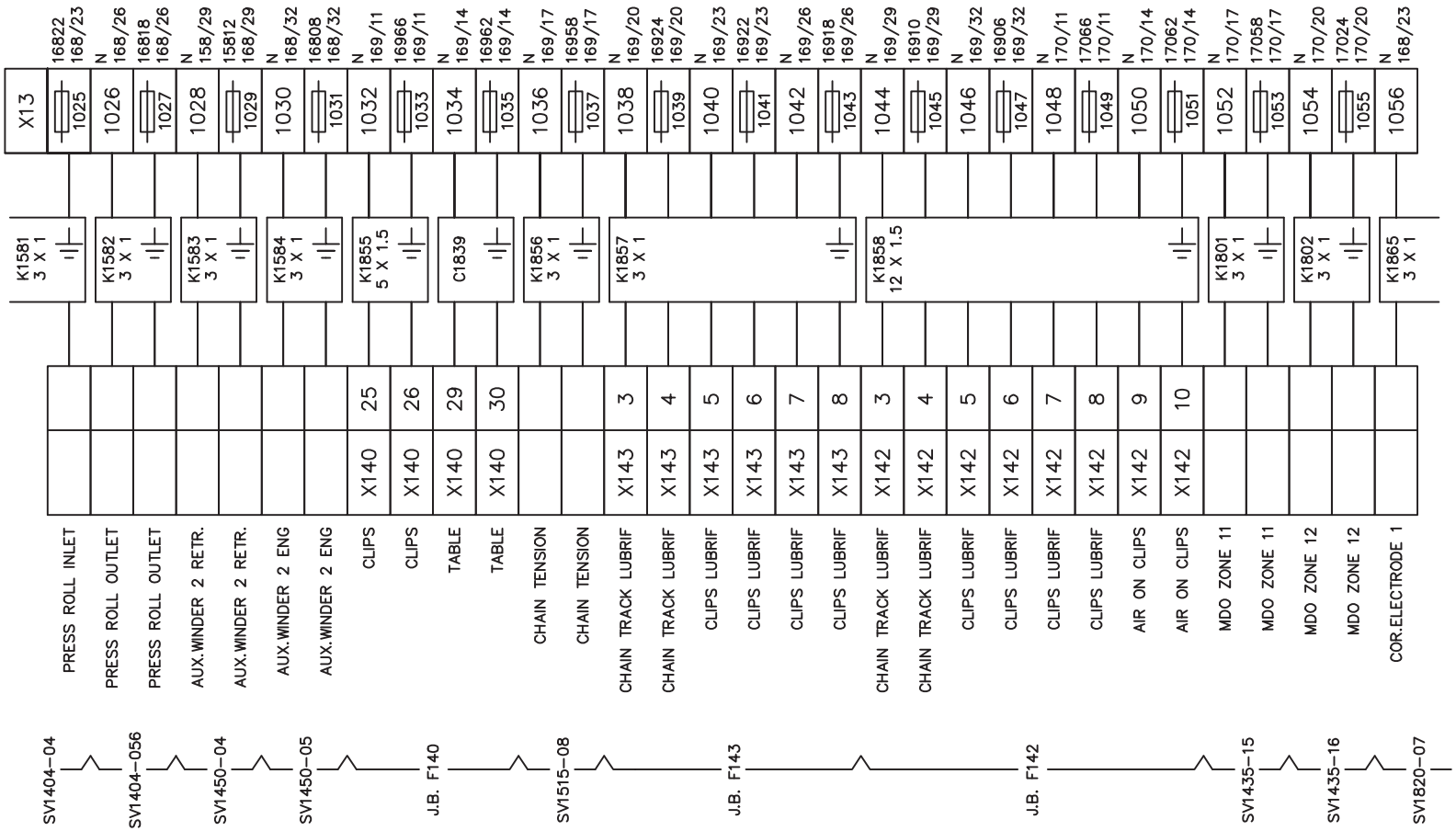
X13
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16822 168/23
N 168/26
16818 168/26
N 158/29
15812 168/29
N 168/32
16808 168/32
N 169/11
16966 169/11
N 169/14
16962 169/14
N 169/17
16958 169/17
N 169/20
16924 169/20
N 169/23
16922 169/23
N 169/26
16918 169/26
N 169/29
16910 169/29
N 169/32
16906 169/32
N 170/11
17066 170/11
N 170/14
17062 170/14
N 170/17
17058 170/17
N 170/20
17024 170/20
N 168/23
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K1582 3 X 1
K1583 3 X 1
K1584 3 X 1
K1855 5 X 1.5
C1839
K1856 3 X 1
K1857 3 X 1
K1858 12 X 1.5
K1801 3 X 1
K1802 3 X 1
K1865 3 X 1
25 26 29 30 3 4 5 6 7 8 3 4 5 6 7 8 9 10
X140 X140 X140 X140 X143 X143 X143 X143 X143 X143 X142 X142 X142 X142 X142 X142 X142 X142
PRESS ROLL INLET
PRESS ROLL OUTLET
PRESS ROLL OUTLET
AUX.WINDER 2 RETR.
AUX.WINDER 2 RETR.
AUX.WINDER 2 ENG
AUX.WINDER 2 ENG
CLIPS
CLIPS
TABLE
TABLE
CHAIN TENSION
CHAIN TENSION
CHAIN TRACK LUBRIF
CHAIN TRACK LUBRIF
CLIPS LUBRIF
CLIPS LUBRIF
CLIPS LUBRIF
CLIPS LUBRIF
CHAIN TRACK LUBRIF
CHAIN TRACK LUBRIF
CLIPS LUBRIF
CLIPS LUBRIF
CLIPS LUBRIF
CLIPS LUBRIF
AIR ON CLIPS
AIR ON CLIPS
MDO ZONE 11
MDO ZONE 11
MDO ZONE 12
MDO ZONE 12
COR.ELECTRODE 1
SV1404-04
SV1404-056
SV1450-04
SV1450-05
J.B. F140
SV1515-08
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SV1435-15
SV1435-16
SV1820-07

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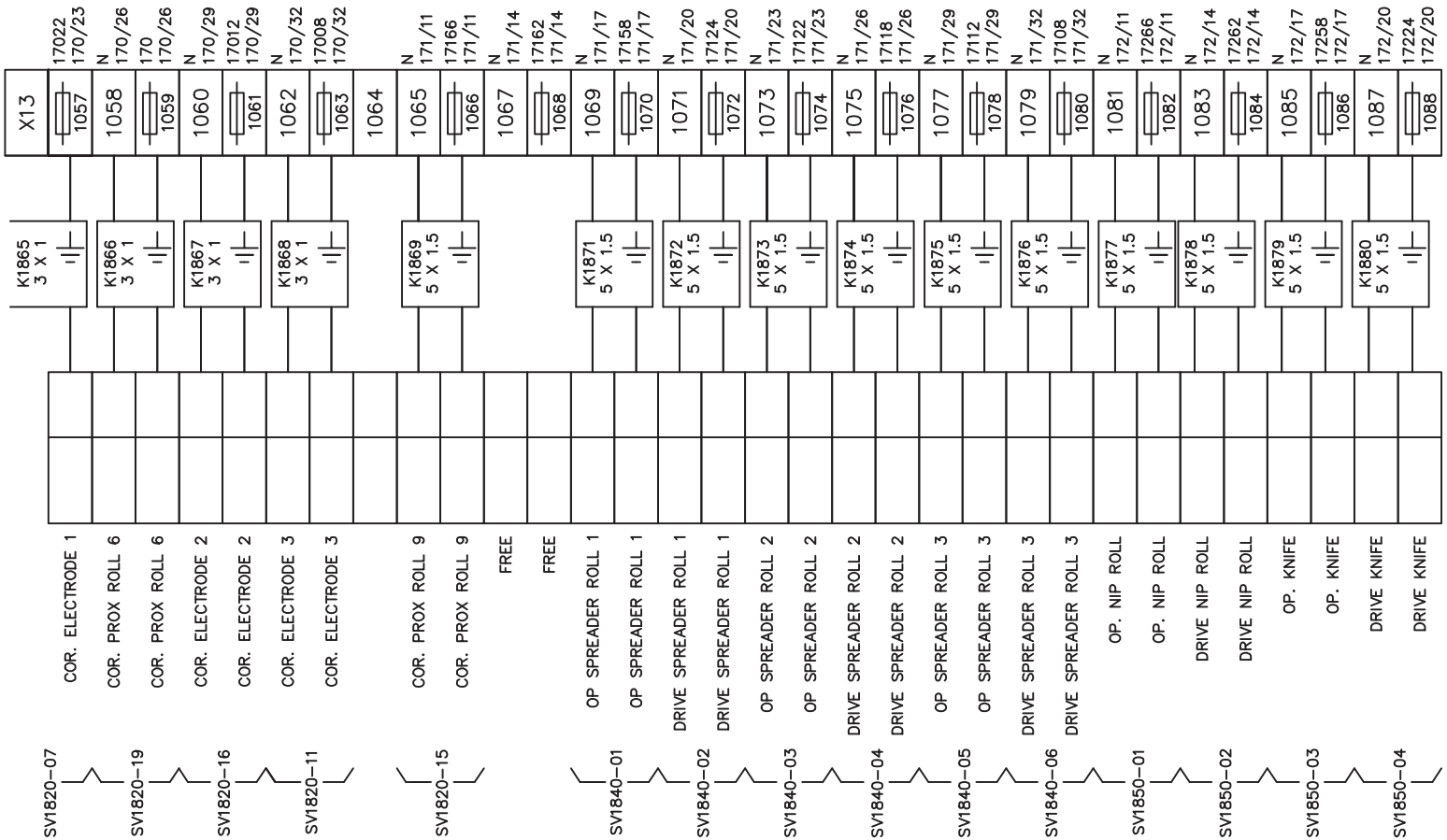

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS X13 1057–1088					DRAWING DESCRIPTION	KF023 F13		Page #	243			
DRAWN BY	Perrick Hsiao								Total				
CHECKED BY				REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.			MATERIAL		
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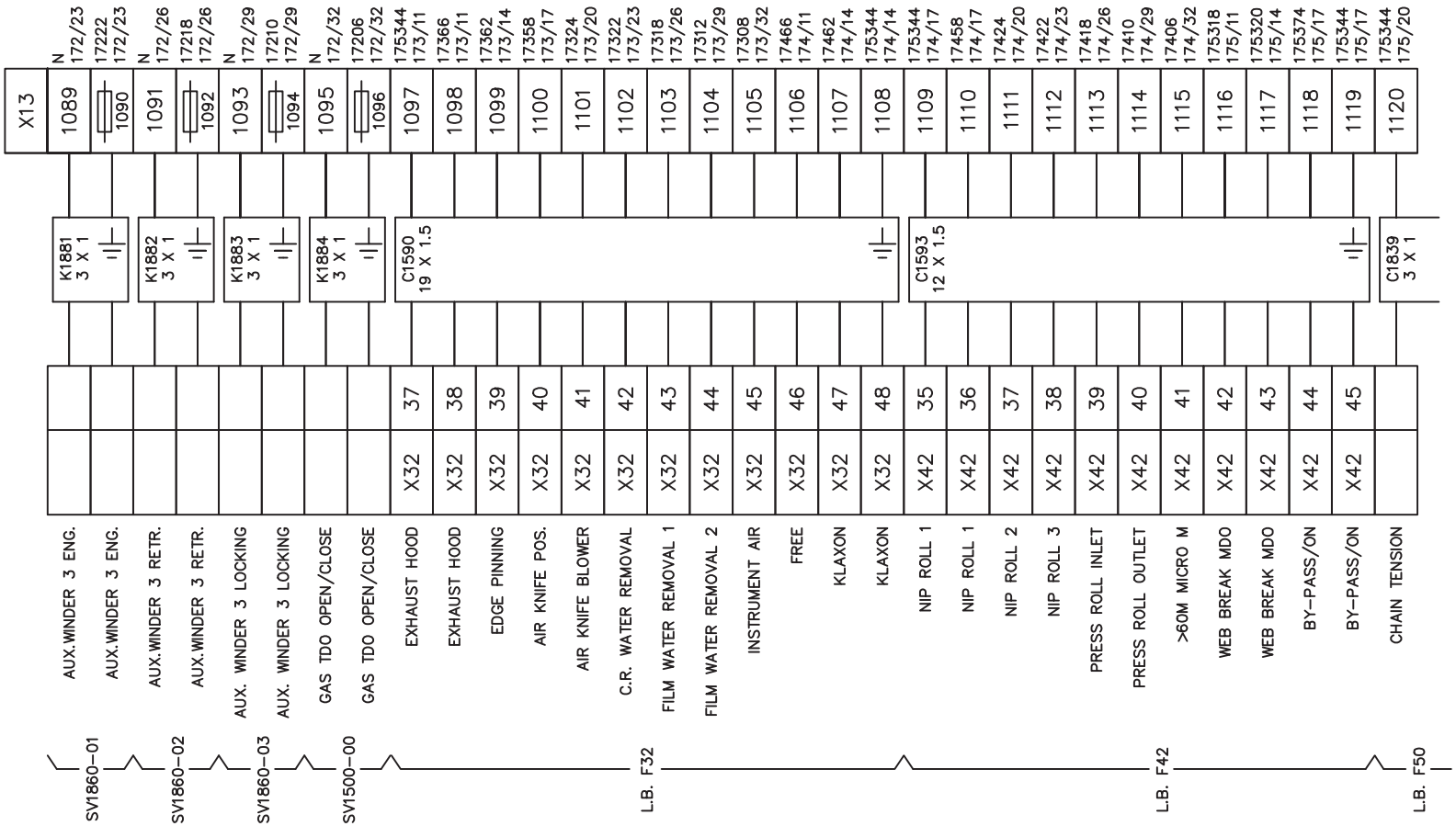
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K1883 3 X 1
K1884 3 X 1
C1590 19 X 1.5
C1593 12 X 1.5
C1839 3 X 1
AUX.WINDER 3 ENG.
AUX.WINDER 3 ENG.
AUX.WINDER 3 RETR.
AUX.WINDER 3 RETR.
AUX. WINDER 3 LOCKING
AUX. WINDER 3 LOCKING
GAS TDO OPEN/CLOSE
GAS TDO OPEN/CLOSE
EXHAUST HOOD
EXHAUST HOOD
EDGE PINNING
AIR KNIFE POS.
AIR KNIFE BLOWER
C.R. WATER REMOVAL
FILM WATER REMOVAL 1
FILM WATER REMOVAL 2
INSTRUMENT AIR
FREE
KLAXON
KLAXON
NIP ROLL 1
NIP ROLL 1
NIP ROLL 2
NIP ROLL 3
PRESS ROLL INLET
PRESS ROLL OUTLET
>60M MICRO M
WEB BREAK MDO
WEB BREAK MDO
BY-PASS/ON
BY-PASS/ON
CHAIN TENSION
SV1860-01
SV1860-02
SV1860-03
SV1500-00
L.B. F32
L.B. F42
L.B. F50

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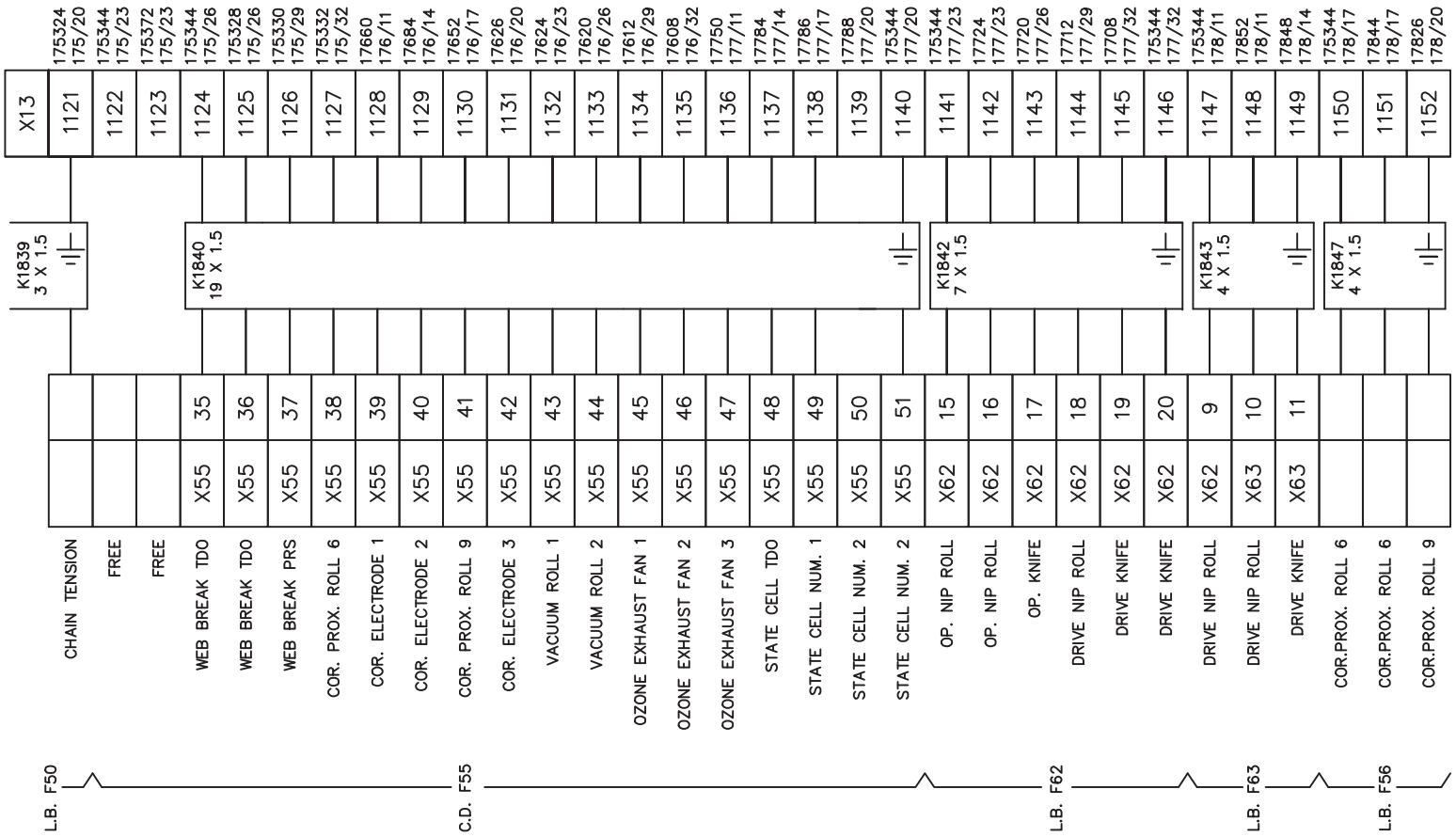

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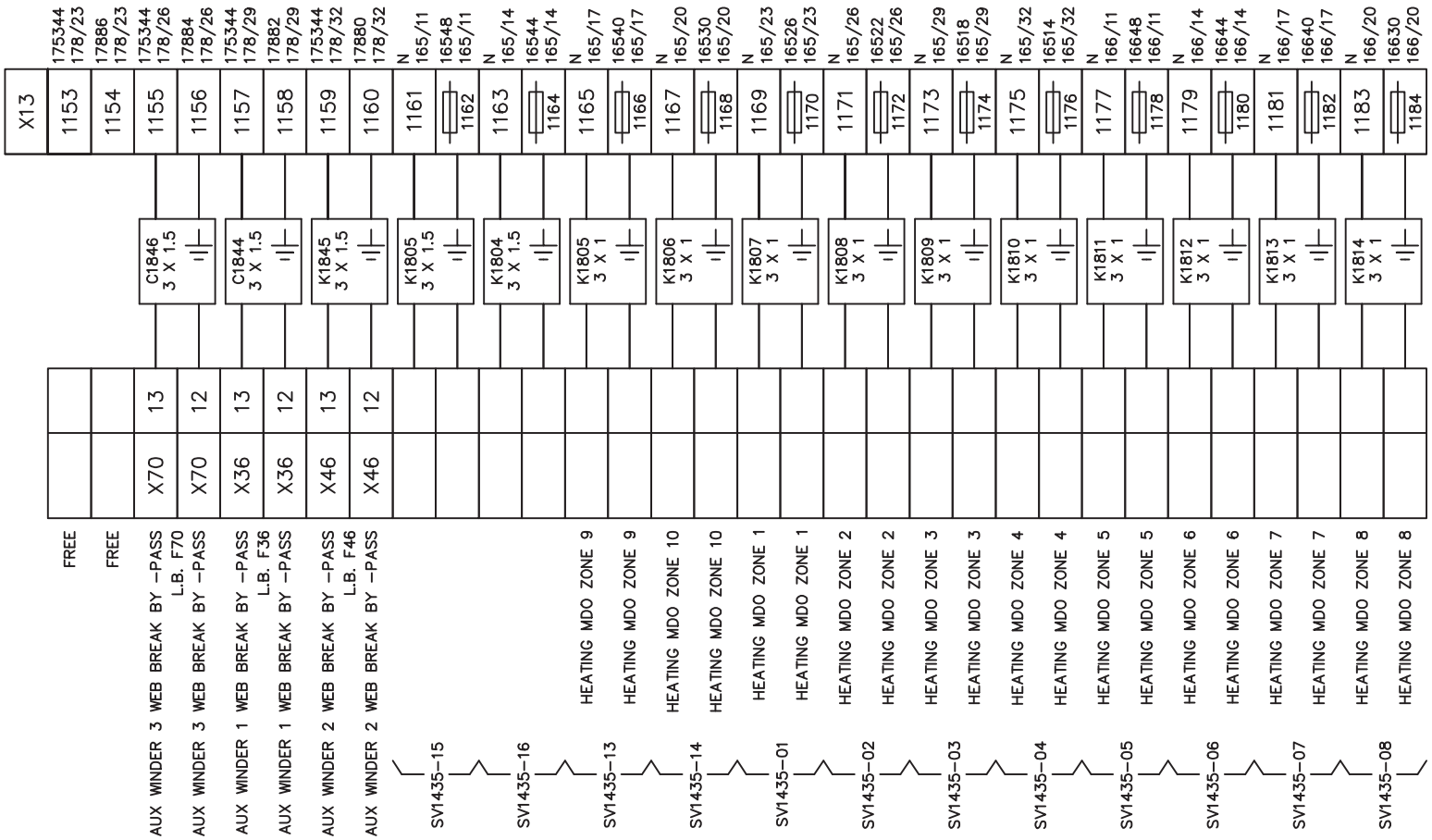
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FREE
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FREE
17886 178/23
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X70
13
C1846 3 X 1.5
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17884 178/26
1156
X70
12
AUX WINDER 3 WEB BREAK BY -PASS
175344 178/29
1157
X36
13
C1844 3 X 1.5
AUX WINDER 1 WEB BREAK BY -PASS L.B. F36
17882 178/29
1158
X36
12
AUX WINDER 1 WEB BREAK BY -PASS
175344 178/32
1159
X46
13
K1845 3 X 1.5
AUX WINDER 2 WEB BREAK BY -PASS L.B. F46
17880 178/32
1160
X46
12
AUX WINDER 2 WEB BREAK BY -PASS
N 165/11
1161
K1805 3 X 1.5
16548 165/11
1162
SV1435-15
N 165/14
1163
K1804 3 X 1.5
16544 165/14
1164
SV1435-16
N 165/17
1165
K1805 3 X 1
16540 165/17
1166
HEATING MDO ZONE 9
SV1435-13
N 165/20
1167
K1806 3 X 1
16530 165/20
1168
HEATING MDO ZONE 9
SV1435-14
N 165/23
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16526 165/23
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K1809 3 X 1
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SV1435-05
N 166/14
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K1812 3 X 1
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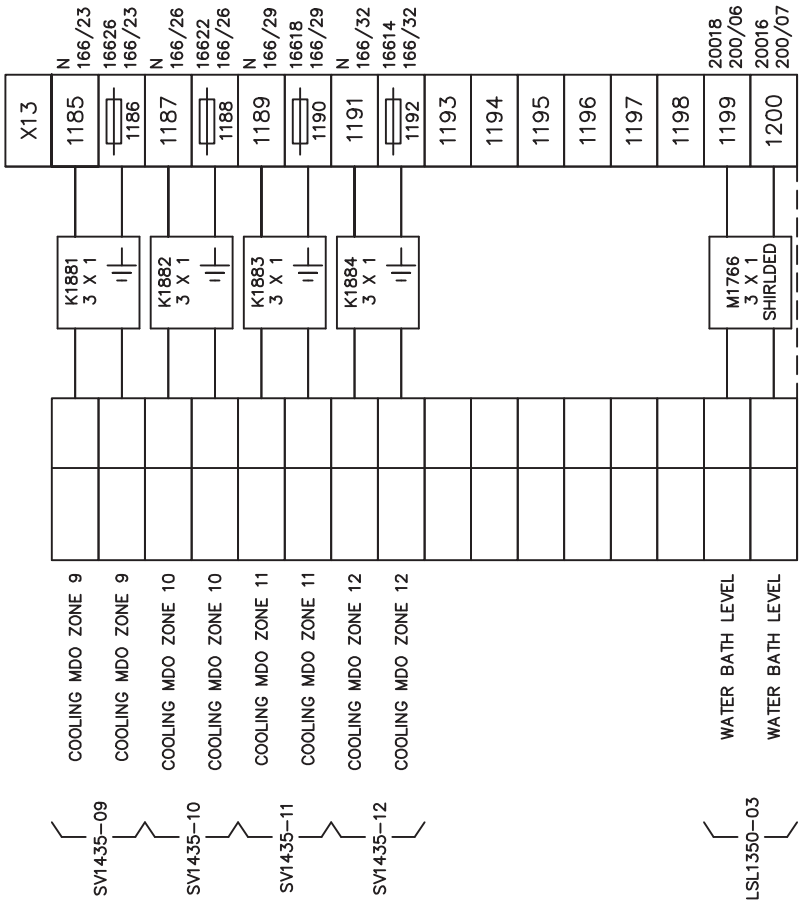

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CHECKED BY		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	04–10–2015	SCALE	NONE	UNIT	MM

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		FREE						DRAWING DESCRIPTION	KF023 F13		Page #	248			
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DRAWN BY	Perrick Hsiao							DRAWING NO.			MATERIAL				
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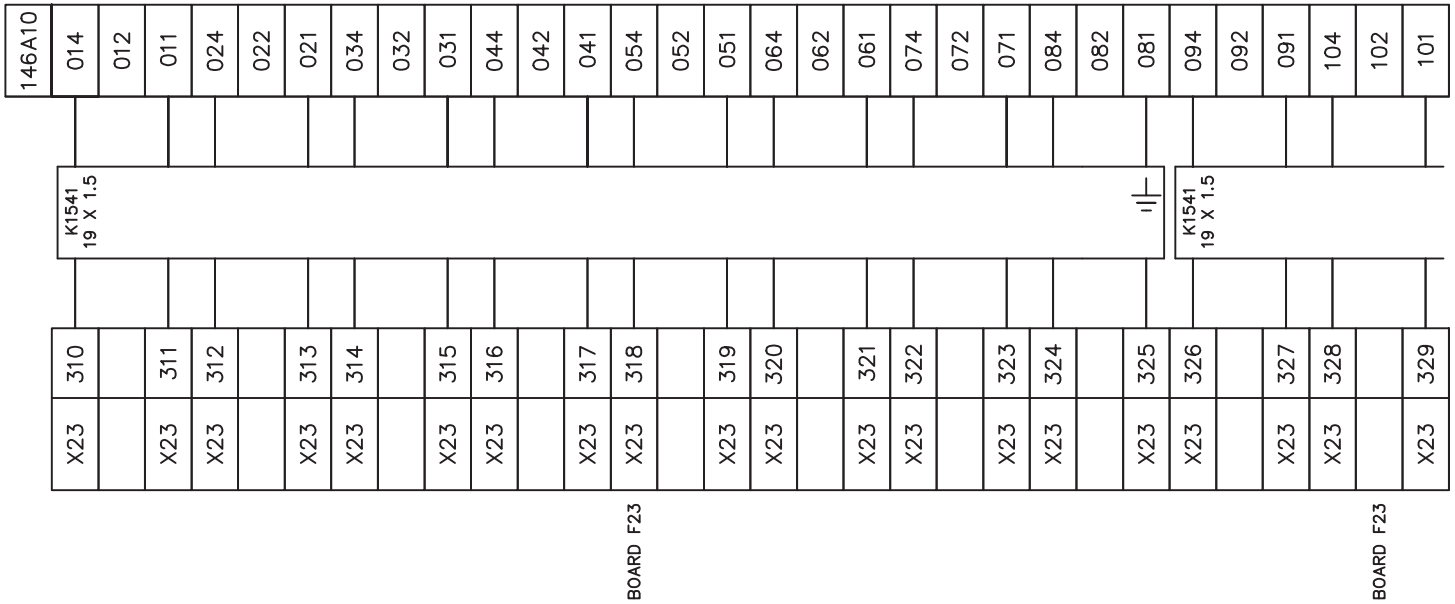

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS				DRAWING DESCRIPTION	KF023 F13	Page #	249	
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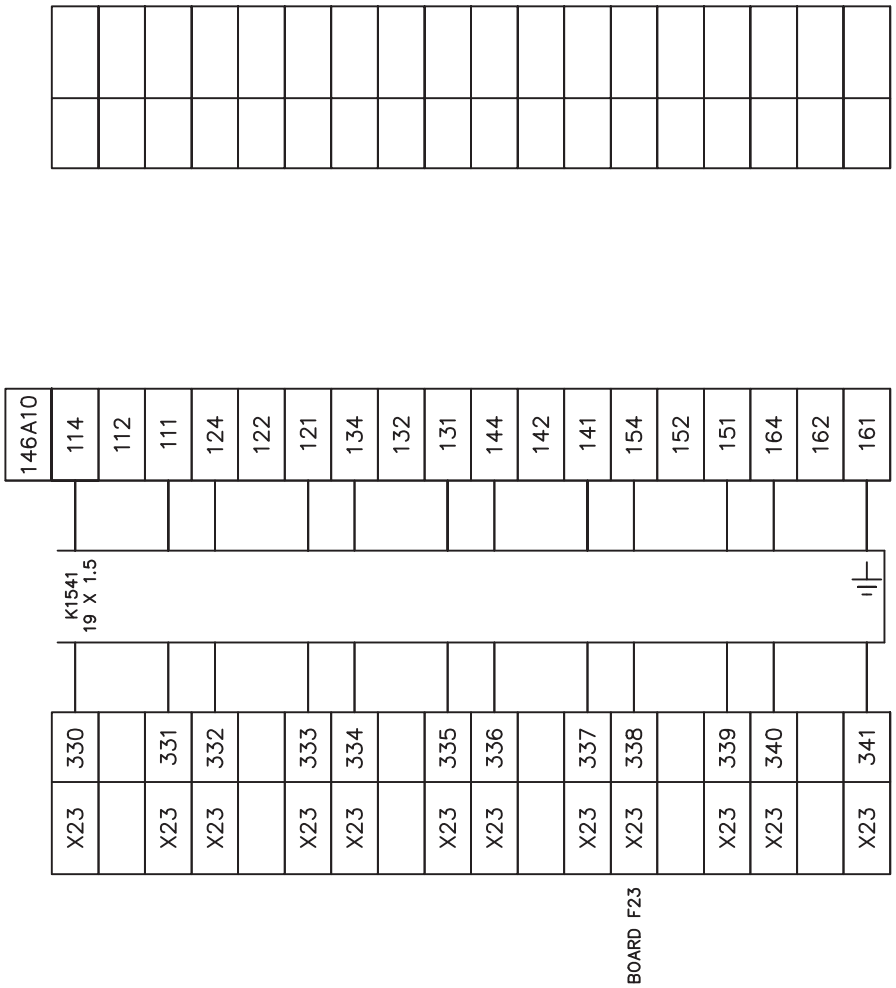

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS					DRAWING DESCRIPTION	KF023 F13	Page #	250				
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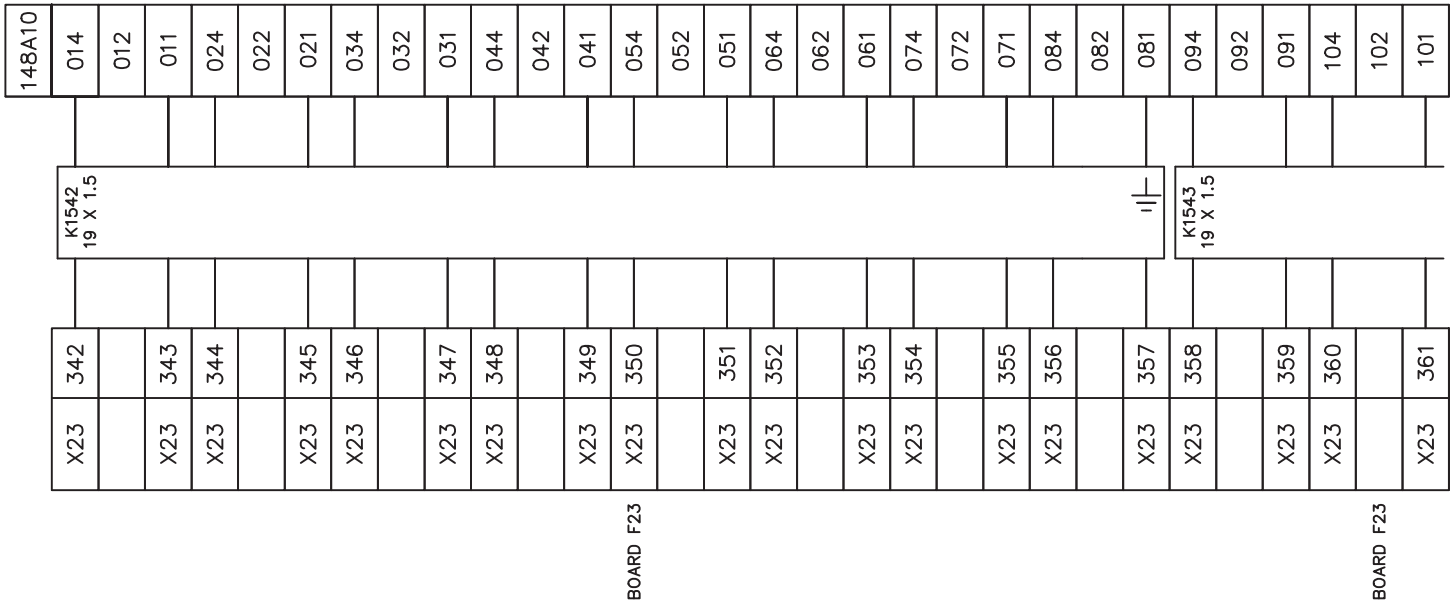

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS					DRAWING DESCRIPTION	KF023 F13	Page #	251		
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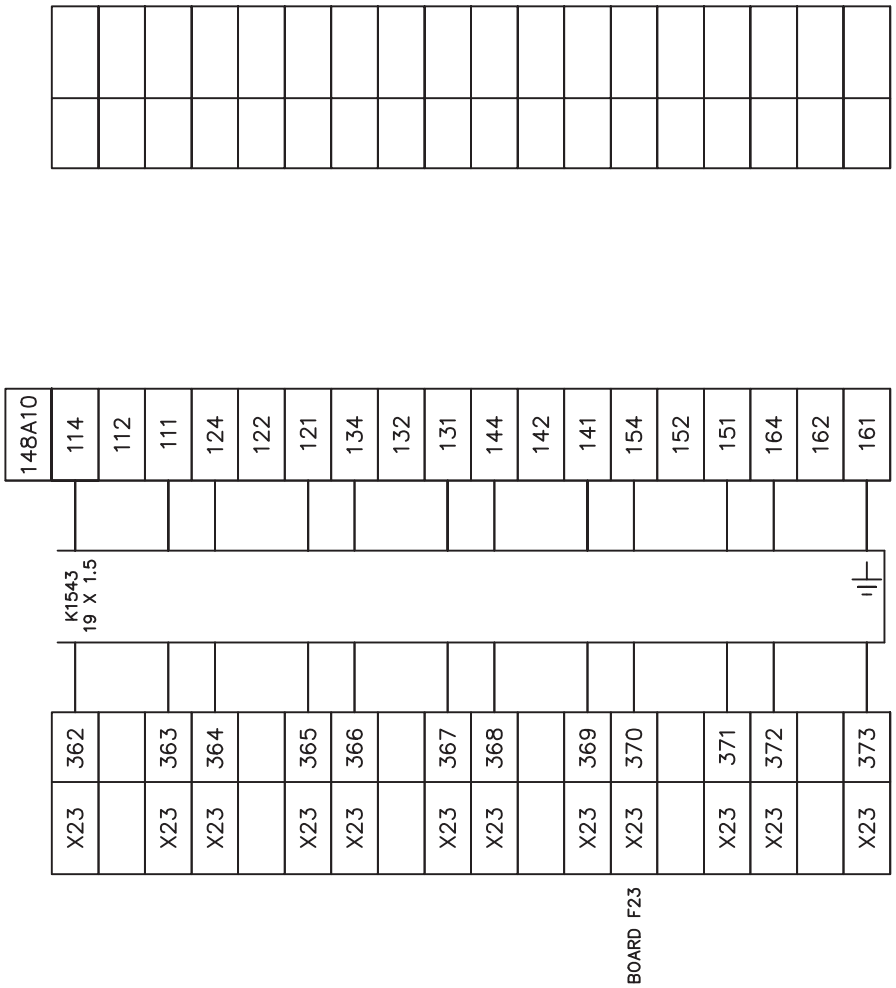

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS					DRAWING DESCRIPTION	KF023 F13		Page #	252			
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CHECKED BY			REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.			MATERIAL			
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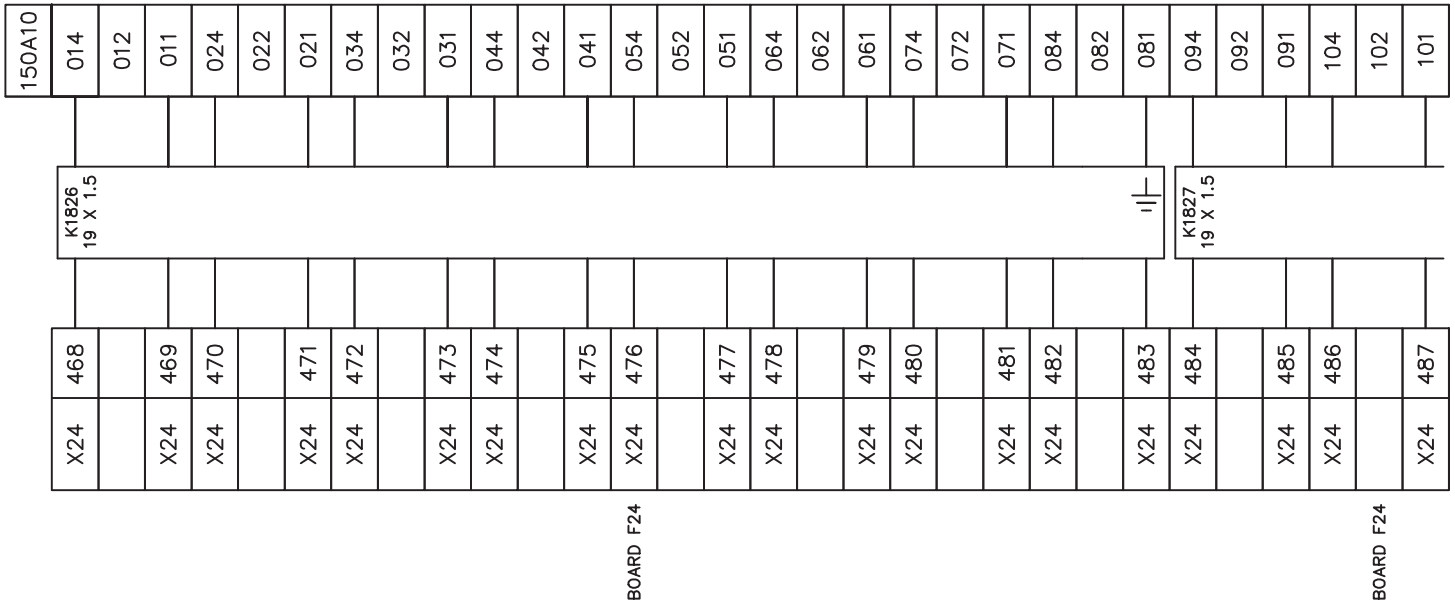

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS				DRAWING DESCRIPTION	KF023 F13	Page #	253	
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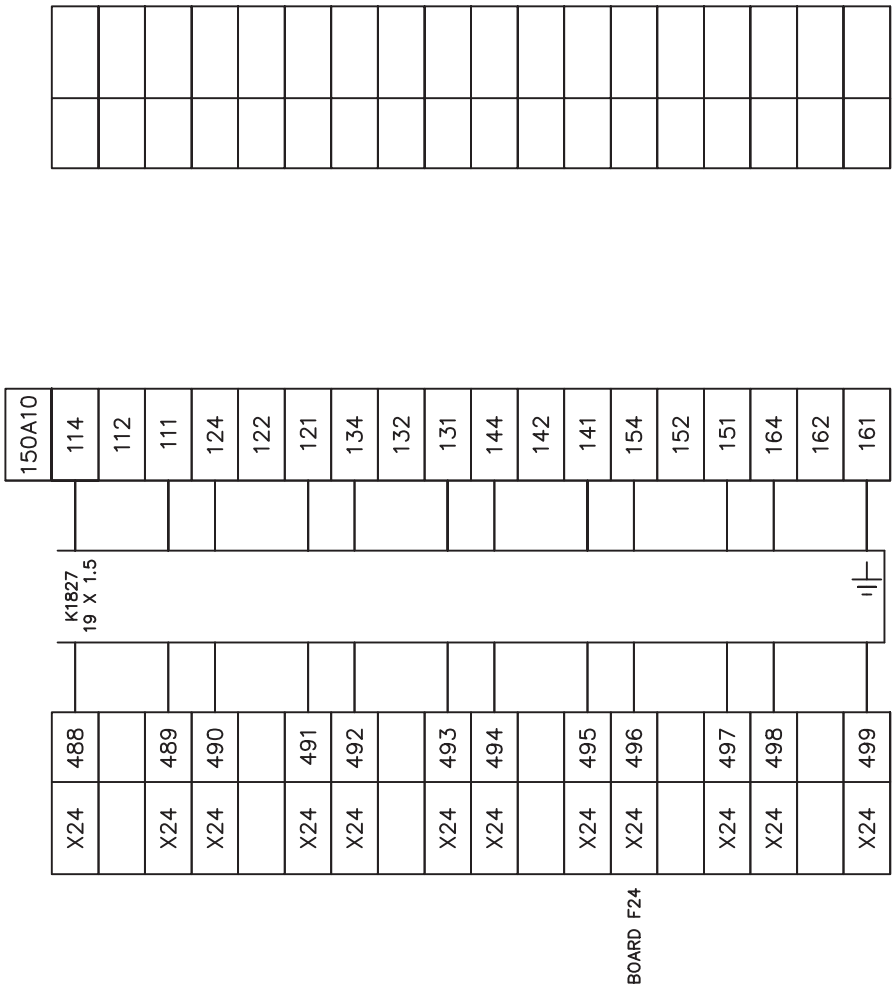

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		TERMINAL BLOCKS RELAYS																																							
DRAWN BY	Perrick Hsiao																																								
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REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING DESCRIPTION	KF023 F13	Page #	254																																		
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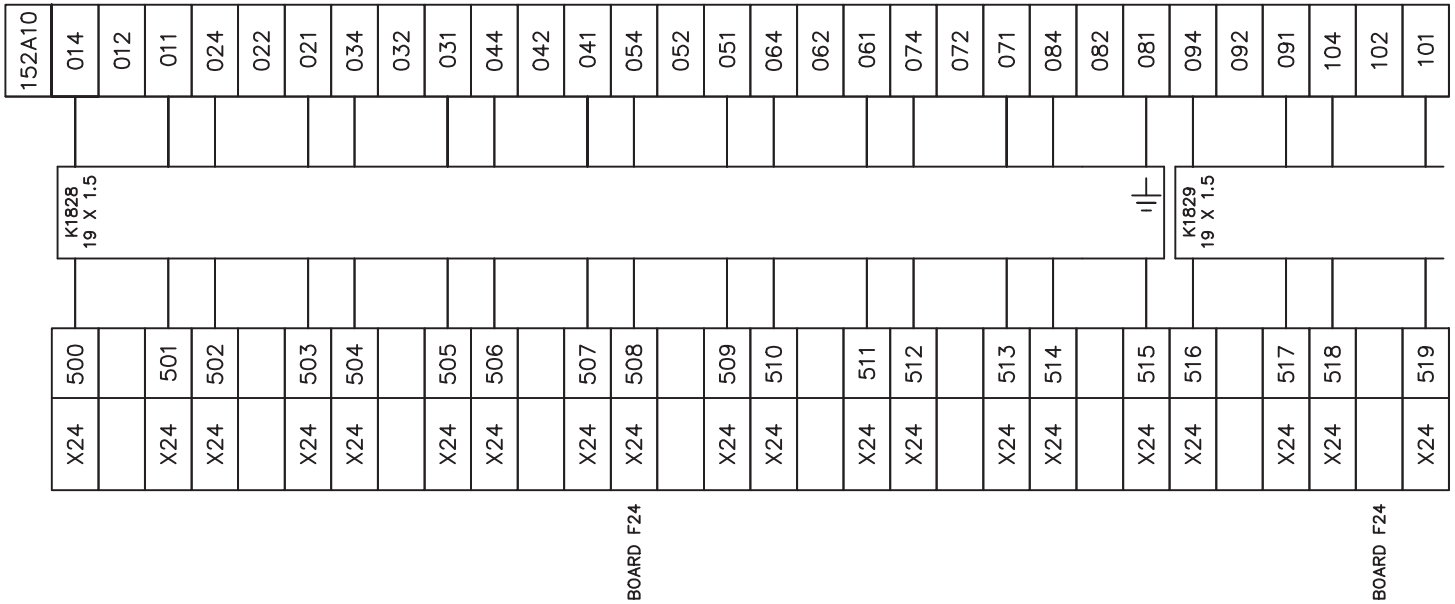

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		TERMINAL BLOCKS RELAYS								DRAWING DESCRIPTION	KF023 F13		Page #	255					
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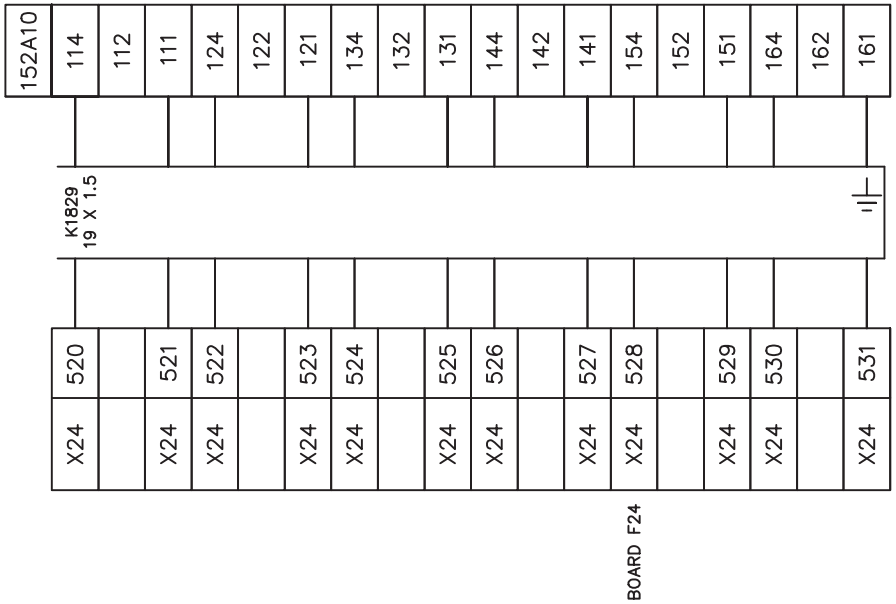

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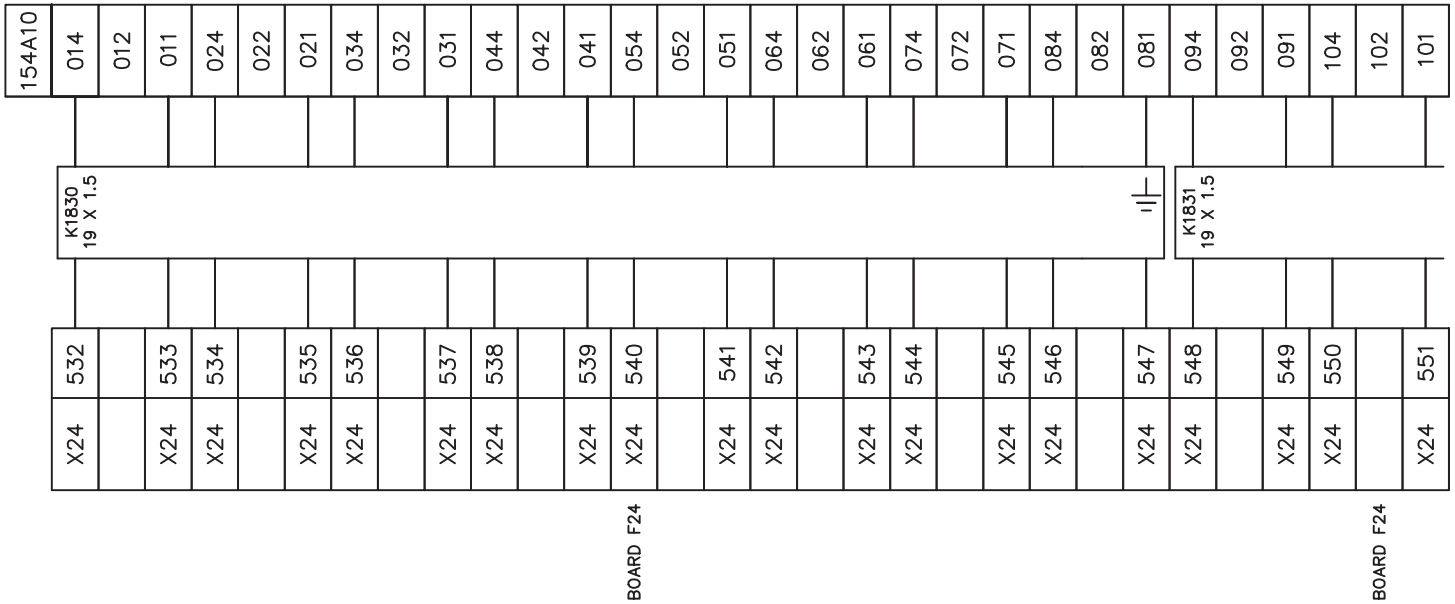

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS					DRAWING DESCRIPTION	KF023 F13	Page #	257				
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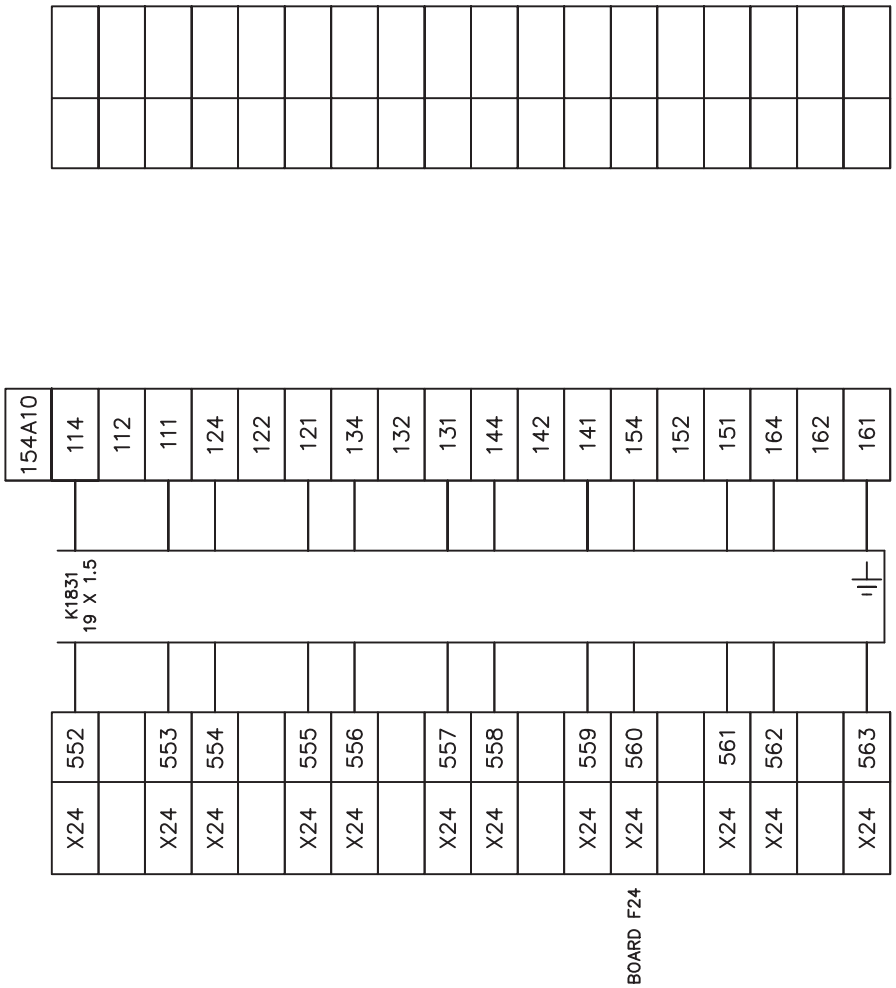

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS					DRAWING DESCRIPTION	KF023 F13	Page #	258				
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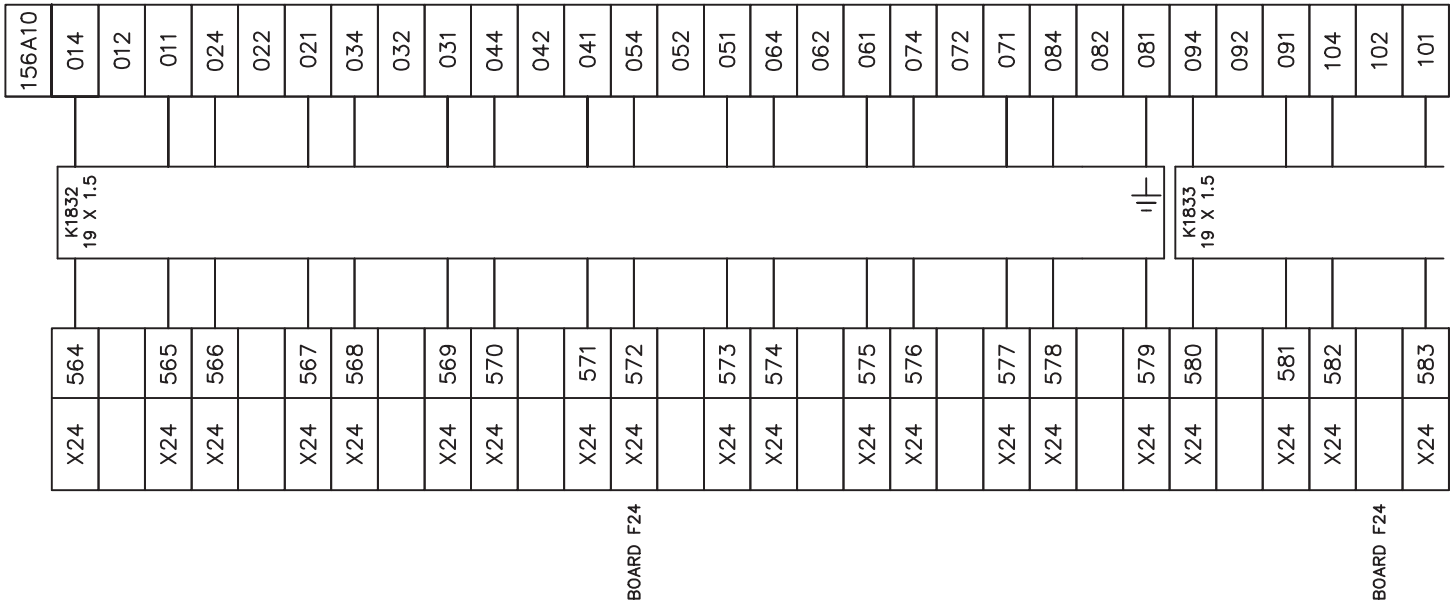

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS					DRAWING DESCRIPTION	KF023 F13	Page #	259		
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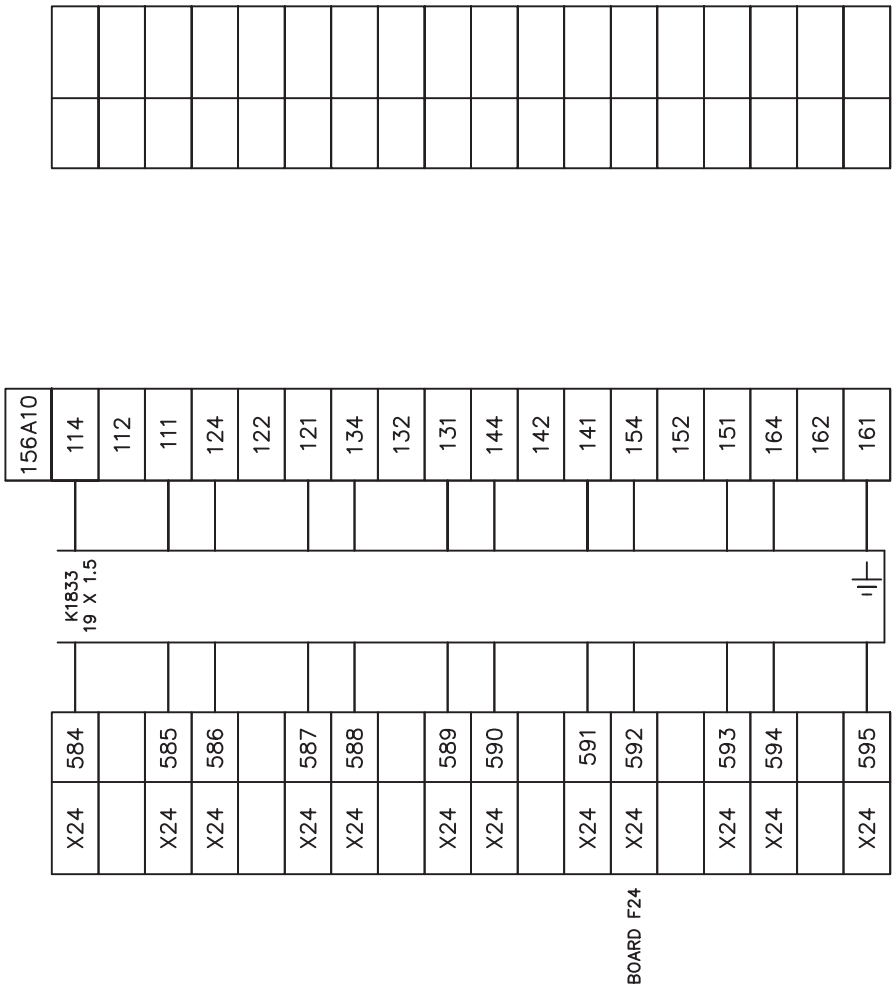

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS					DRAWING DESCRIPTION	KF023 F13	Page #	260				
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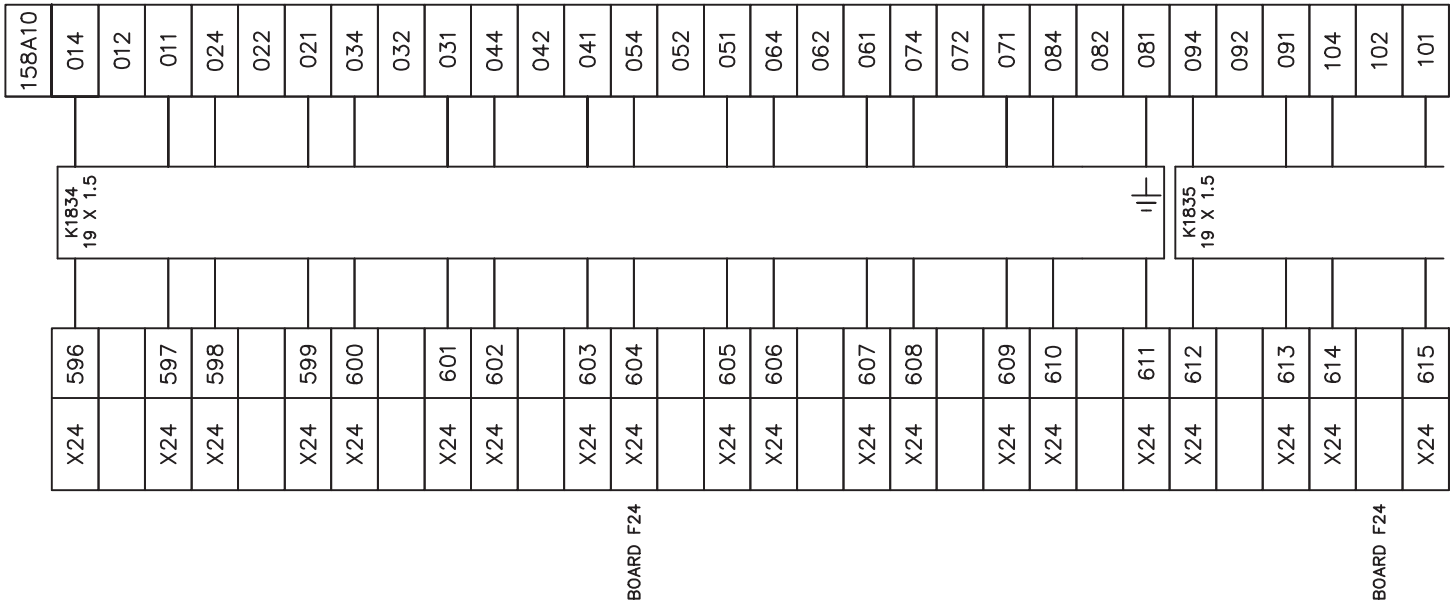

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS					DRAWING DESCRIPTION	KF023 F13	Page #	261		
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DRAWN BY	Perrick Hsiao					DRAWING NO.		MATERIAL			
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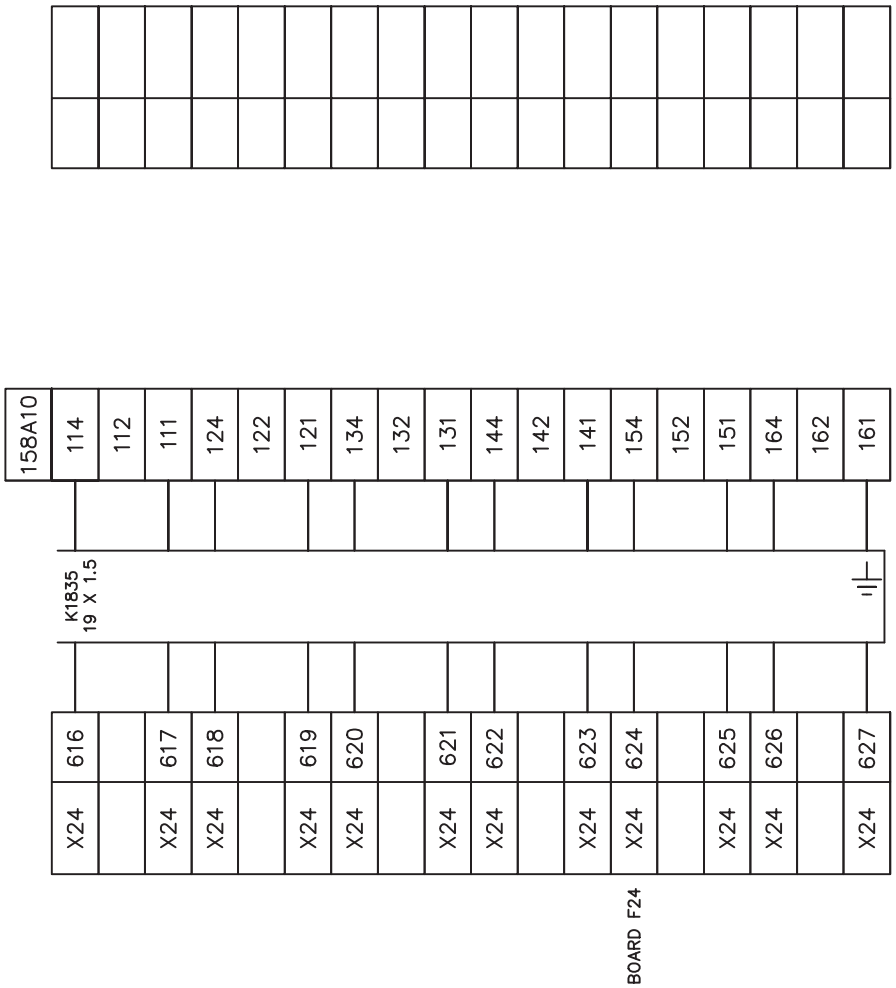

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS					DRAWING DESCRIPTION	KF023 F13	Page #	262				
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DRAWN BY	Perrick Hsiao					DRAWING NO.		MATERIAL					
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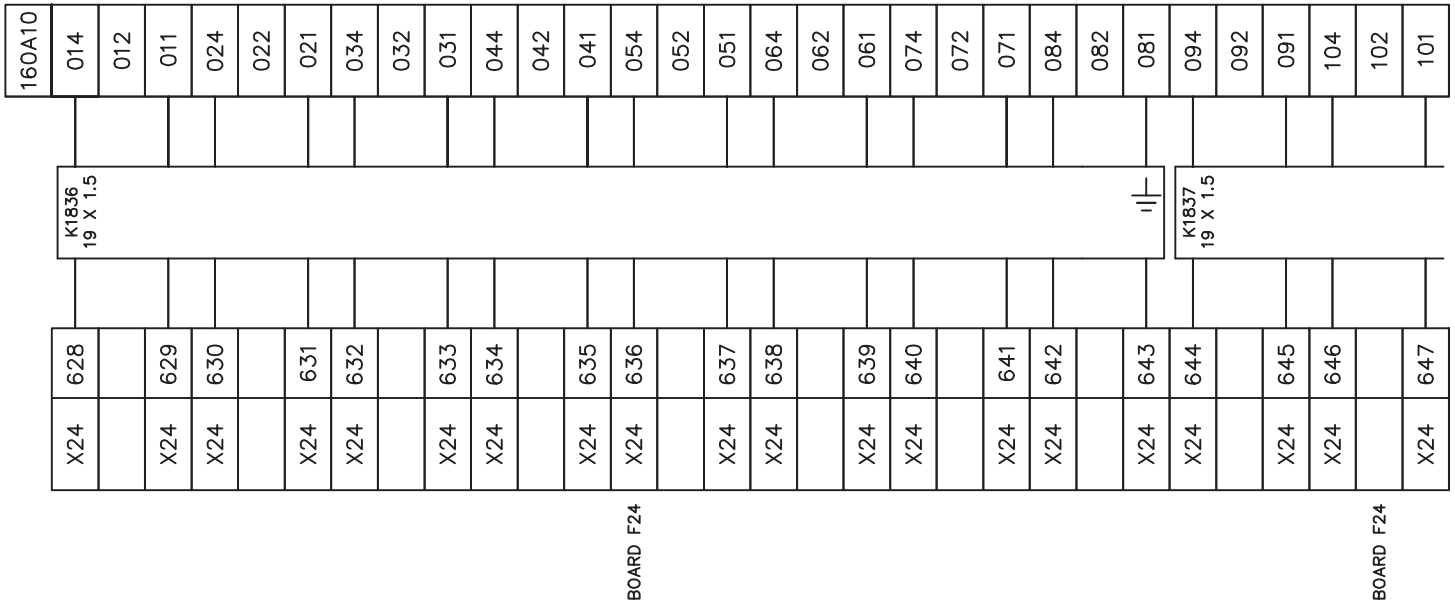

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS				DRAWING DESCRIPTION	KF023 F13	Page #	263	
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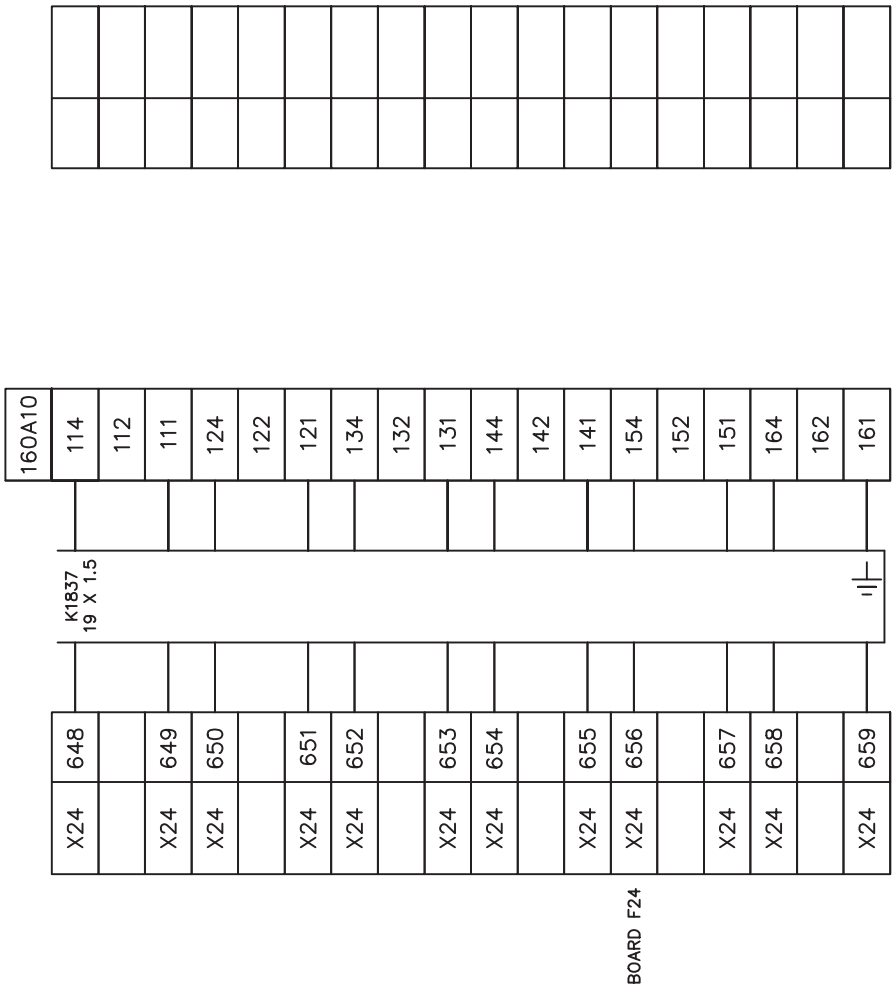

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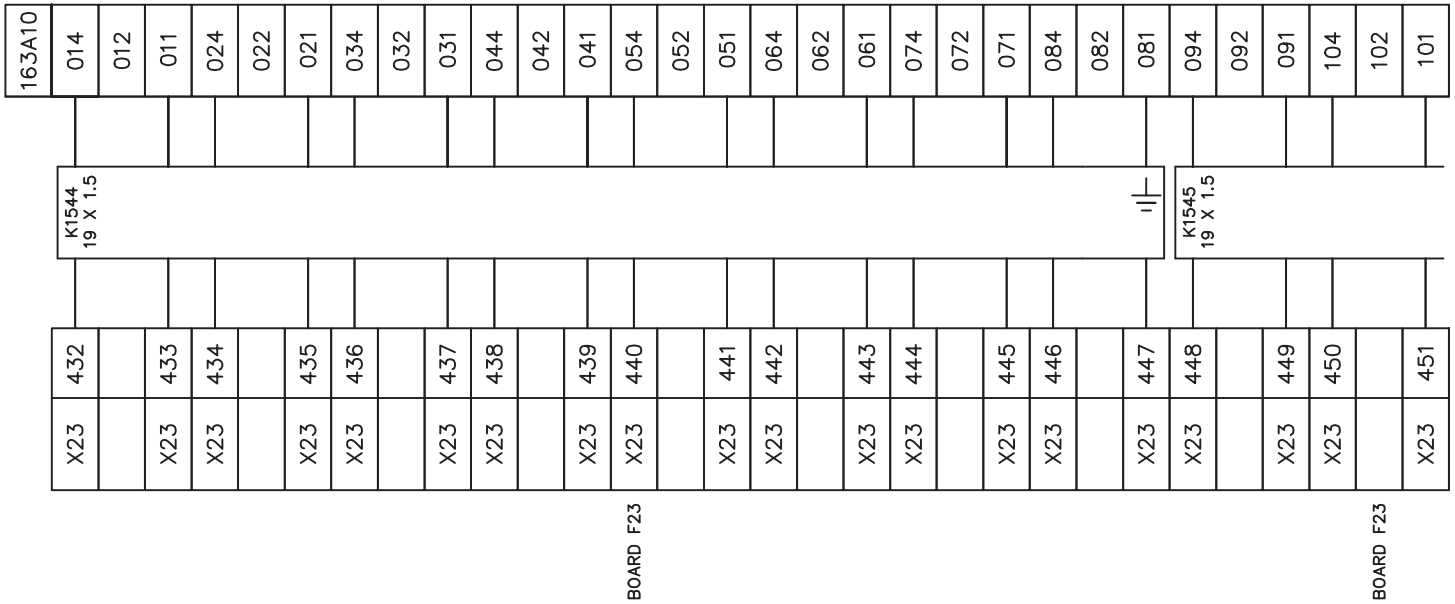
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		TERMINAL BLOCKS RELAYS																																							
DRAWN BY	Perrick Hsiao																																								
CHECKED BY																																									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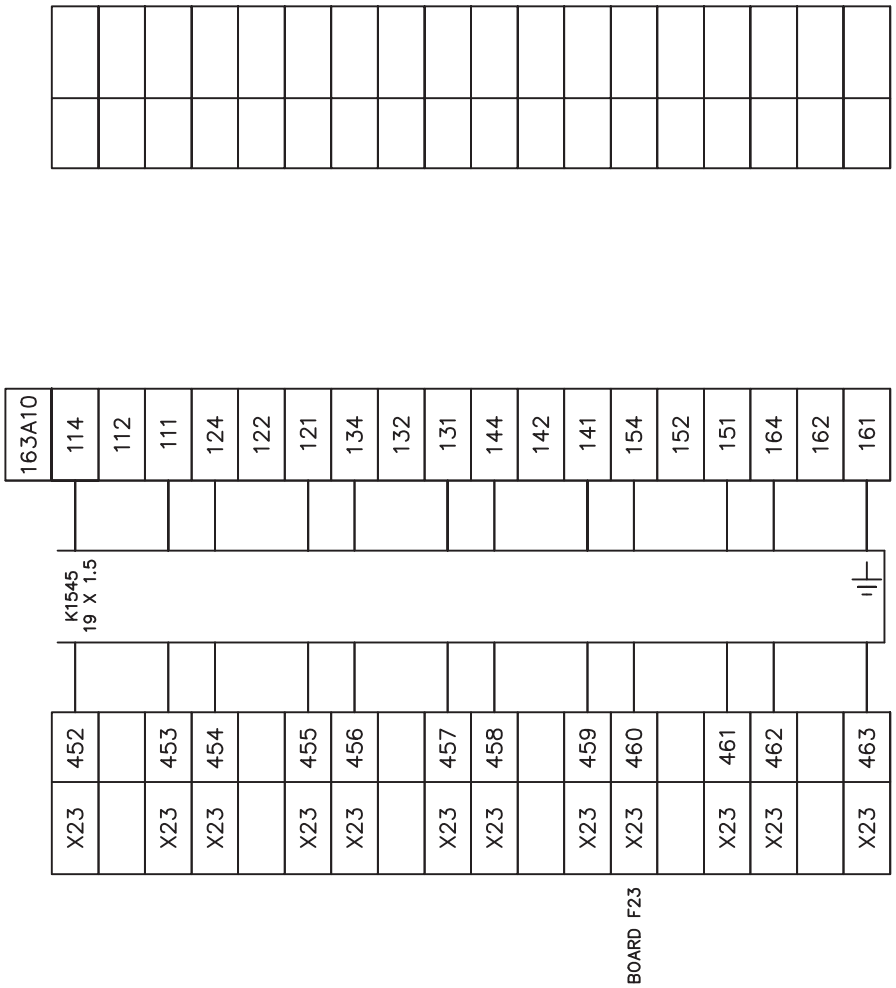

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		TERMINAL BLOCKS RELAYS						DRAWING DESCRIPTION	KF023 F13		Page #	267			
DRAWN BY	Perrick Hsiao										Total				
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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS					DRAWING DESCRIPTION	KF023 F13	Page #	268		
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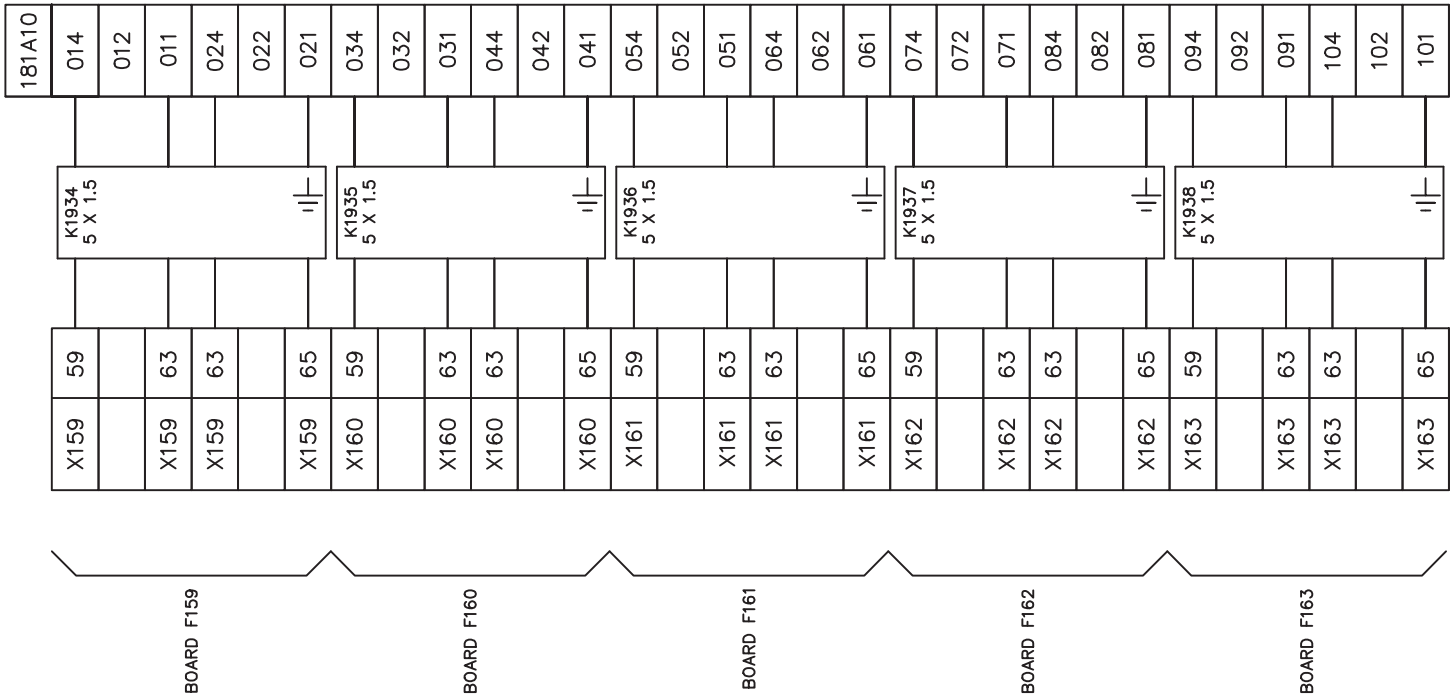

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS					DRAWING DESCRIPTION	KF023 F13	Page #	269		
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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS					DRAWING DESCRIPTION	KF023 F13	Page #	270				
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183A10	114	112	111	124	122	121	134	132	131	144	142	141	154	152	151	164	162	161

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS					DRAWING DESCRIPTION	KF023 F13	Page #	272				
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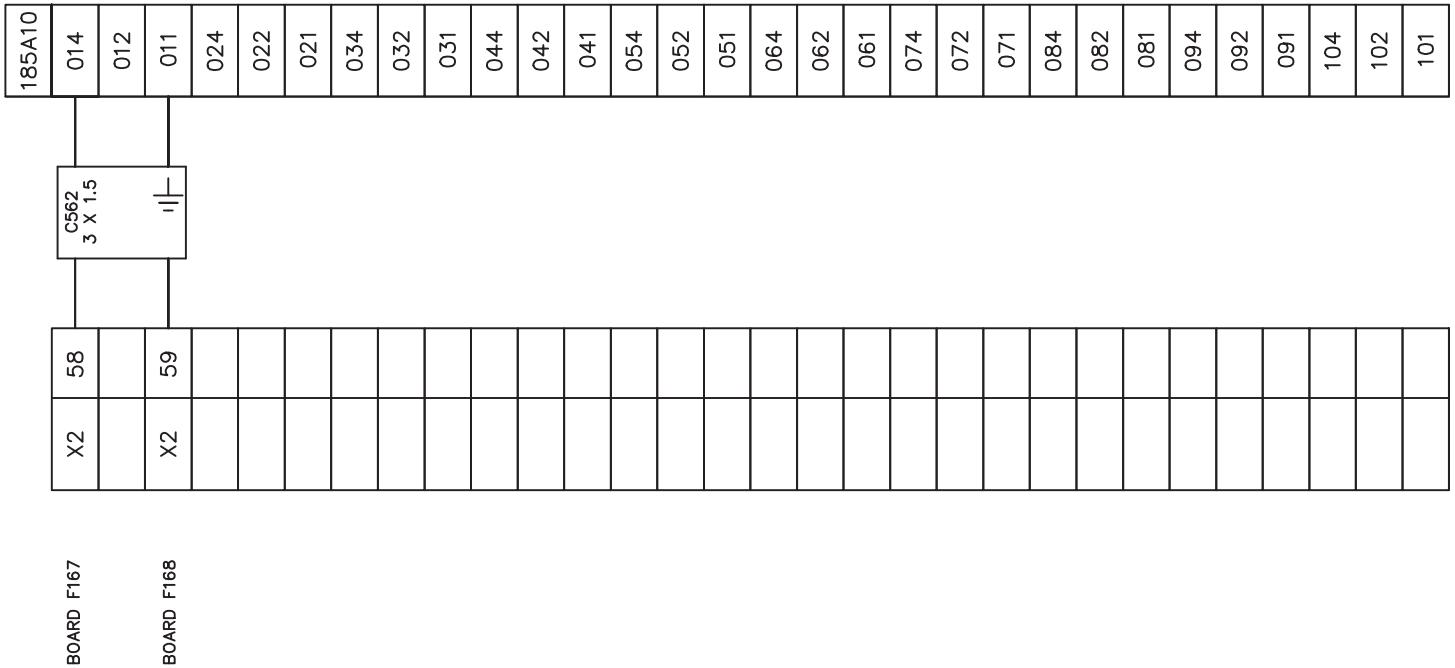
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59
X2
X2
BOARD F167
BOARD F168

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00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

185A10	114	112	111	124	122	121	134	132	131	144	142	141	154	152	151	164	162	161

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS					DRAWING DESCRIPTION	KF023 F13	Page #	274				
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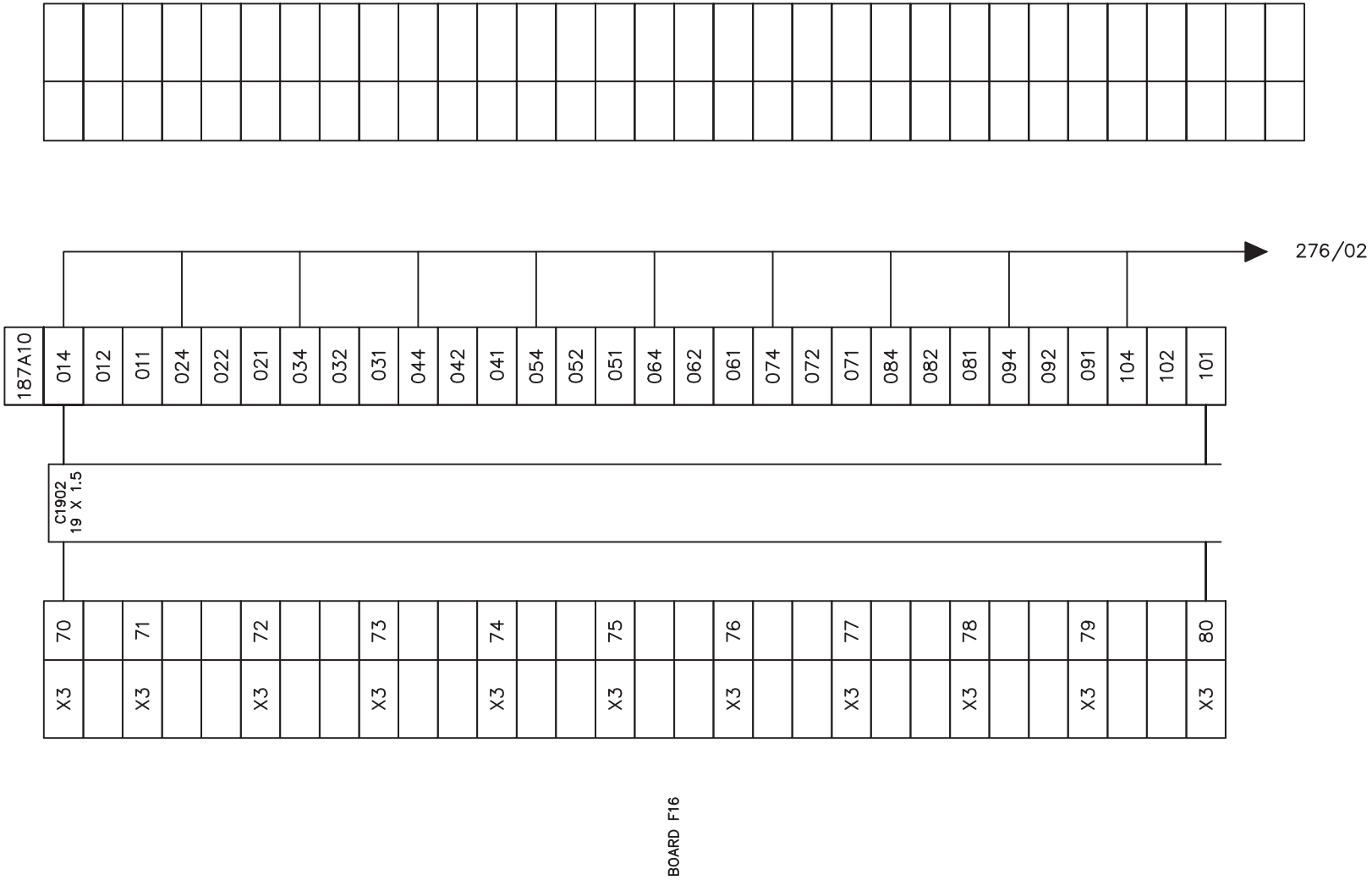

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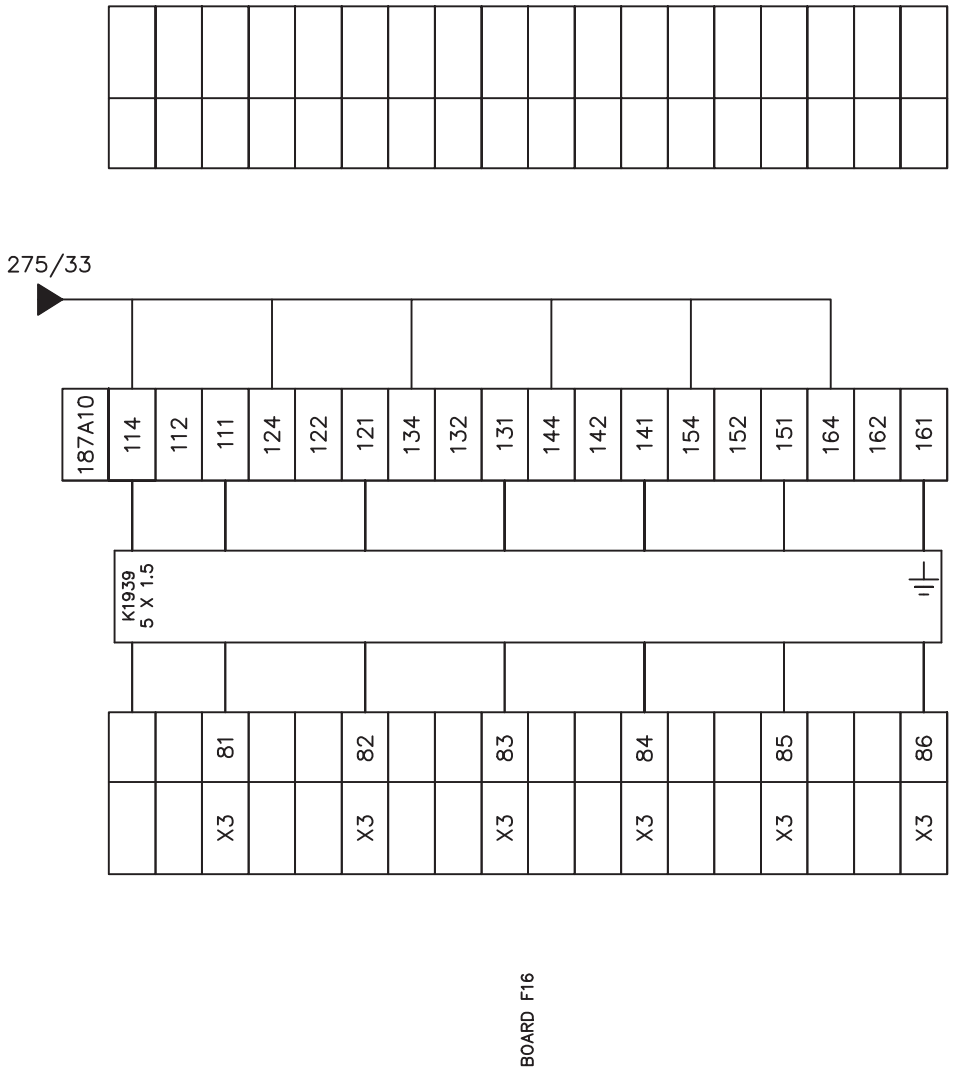

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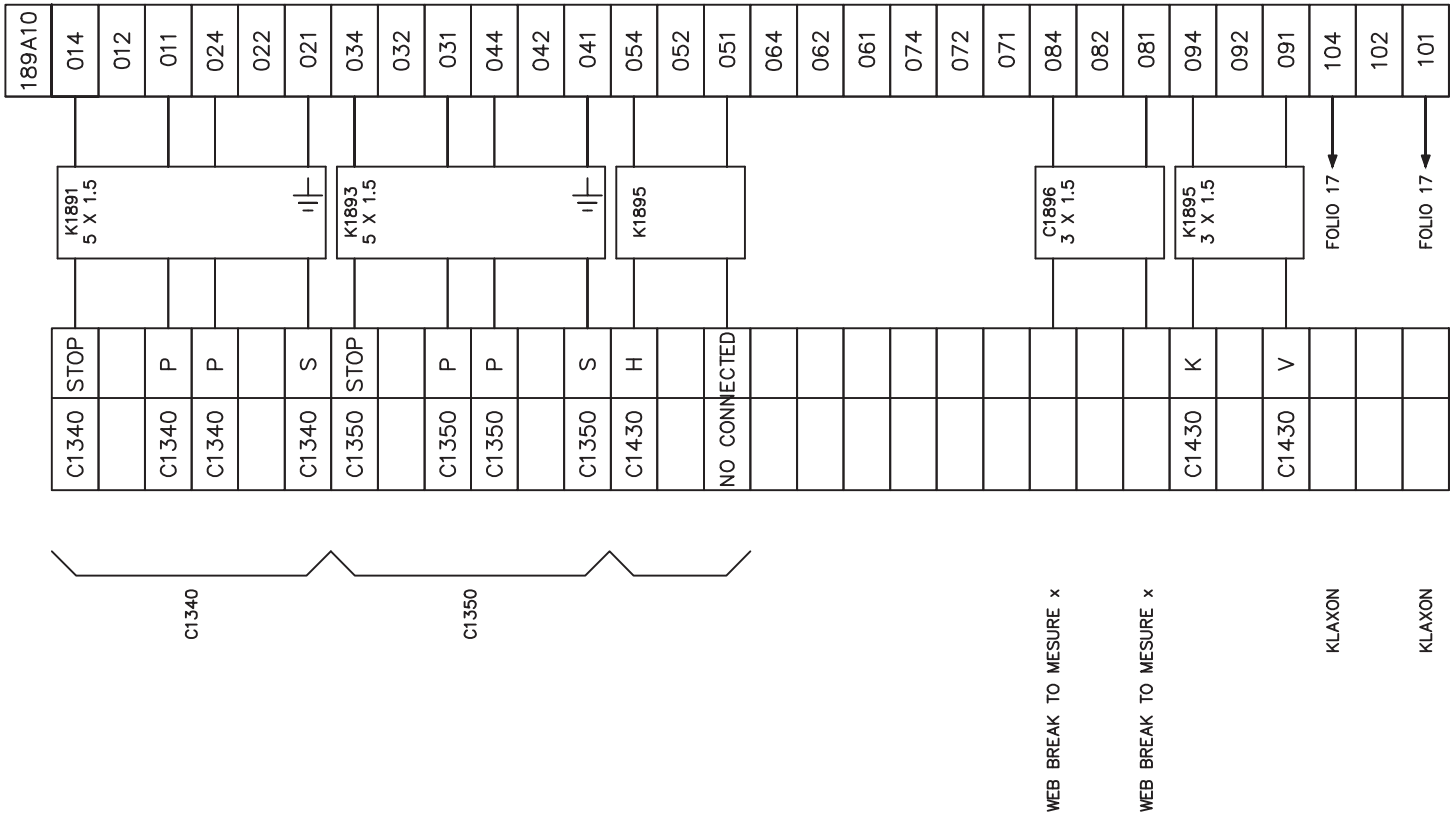
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K1891
5 X 1.5
K1893
5 X 1.5
K1895
C1896
3 X 1.5
K1895
3 X 1.5
FOLIO 17
FOLIO 17
STOP
P
P
S
STOP
P
P
S
H
NO CONNECTED
K
V
C1340
C1340
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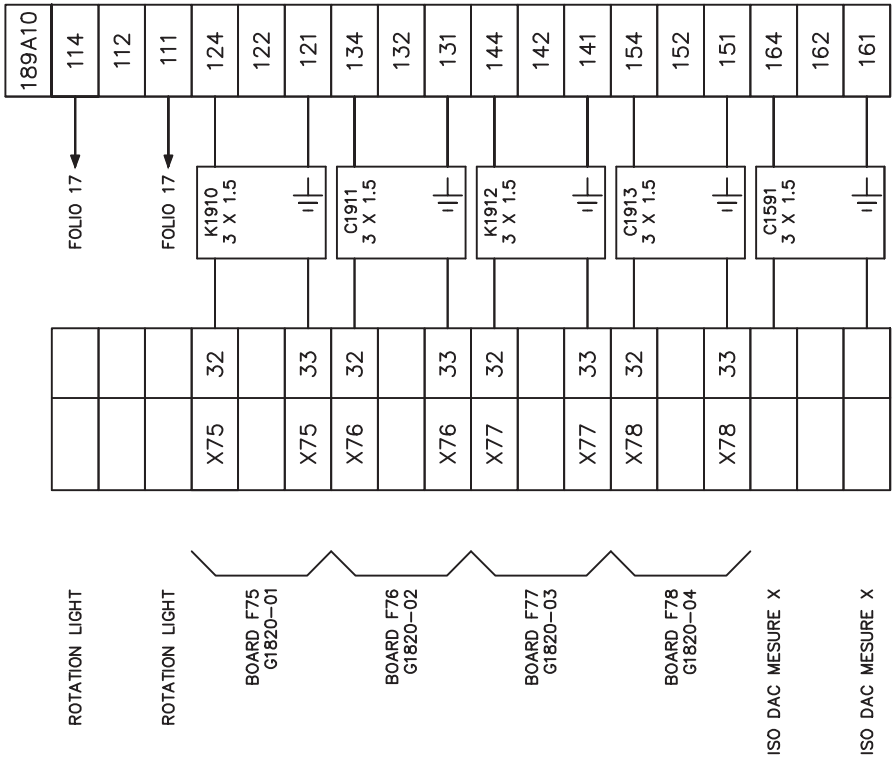

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	TERMINAL BLOCKS RELAYS					DRAWING DESCRIPTION	KF023 F13	Page #	278				
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MARK	QUANTITY	REFERENCE	REFERENCE	MANUFACTURER
10B24	1	1A2545070	TEMPERATURE SWITCH	JONSHOW CONTROL
10E7	1	2B2-BV03	LIGHT	TELEMECANIQUE
10E7	1	2B2-BV01	LIGHT HEAD	TELEMECANIQUE
10M24	1	21345	FAN	SAREL
10M27	1	21345	FAN	SAREL
10Q5	1	3VE42_00-0CT00	CIRCUIT BREAKER 63A	SIEMENS
10Q7	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
10Q11	1	5SX21103HG	CIRCUIT BREAKER CURVE G 10A	SIEMENS
10Q14	1	5SX21103HG	CIRCUIT BREAKER CURVE G 10A	SIEMENS
10Q24	1	5SX21103HG	CIRCUIT BREAKER CURVE G 10A	SIEMENS
11A2	1	F24_12A	SUPPLY 24VDC	POWER_ONE
11Q7	1	5SX21013HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
11Q9	1	5SX21013HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
11Q12	1	5SX21013HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
11Q14	1	5SX21013HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
11Q17	1	5SX21013HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
11Q19	1	5SX21013HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
11Q22	1	5SX21013HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
11Q24	1	5SX21013HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
11Q27	1	5SX21013HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
11Q29	1	5SX21013HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
11Q32	1	5SX21013HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
11Q4.1	1	5SX21063HG	CIRCUIT BREAKER CURVE G 6A	SIEMENS

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

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LIST OF EQUIPMENT

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MARK	QUANTITY	REFERENCE	REFERENCE	MANUFACTURER
11Q4.2	1	5SX21013HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
12A3	1	F24_12A	SUPPLY 24VDC	POWER_ONE
12Q4	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q5	1	5SX21063HG	CIRCUIT BREAKER CURVE G 6A	SIEMENS
12Q6	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q8	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q9	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q11	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q13	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q15	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q16	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q18	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q20	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q22	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q23	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q25	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q27	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q29	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q30	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
12Q32	1	5SX21053HG	CIRCUIT BREAKER CURVE G 0.5A	SIEMENS
13A3	1	F24_12A	SUPPLY 24VDC	POWER_ONE
13Q7	1	5SX21013HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
13Q10	1	5SX21013HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY: Perrick Hsiao
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MARK	QUANTITY	REFERENCE	REFERENCE	MANUFACTURER
13Q12	1	5SX21003HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
13Q15	1	5SX21003HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
13Q17	1	5SX21003HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
13Q20	1	5SX21003HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
13Q22	1	5SX21003HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
13Q25	1	5SX21003HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
13Q27	1	5SX21003HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
13Q30	1	5SX21003HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
13Q32	1	5SX21003HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
13Q5.1	1	5SX21003HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
13Q5.2	1	5SX21003HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
146A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
148A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
14A7	1	F24_12A	SUPPLY 24VDC	POWER_ONE
14Q12	1	5SX21043HG	CIRCUIT BREAKER CURVE G 4A	SIEMENS
14Q9.1	1	5SX21063HG	CIRCUIT BREAKER CURVE G 6A	SIEMENS
14Q9.2	1	5SX21043HG	CIRCUIT BREAKER CURVE G 4A	SIEMENS
150A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
152A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
154A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
156A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
158A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
15Q11	1	5SX21063HG	CIRCUIT BREAKER CURVE G 6A	SIEMENS

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00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

MARK	QUANTITY	REFERENCE	REFERENCE	MANUFACTURER
15Q16	1	5SX21023HG	CIRCUIT BREAKER CURVE G 2A	SIEMENS
160A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
163A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
165A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
167A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
169A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
16Q6	1	5SX21063HG	CIRCUIT BREAKER CURVE G 6A	SIEMENS
171A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
173A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
175A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
177A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
179A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
17Q3	1	5SX21023HG	CIRCUIT BREAKER CURVE G 2A	SIEMENS
17Q7	1	5SX21013HG	CIRCUIT BREAKER CURVE G 1A	SIEMENS
181A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
183A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
185A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
187A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
189A10	1	92321672024	TERMINAL_BLOCK_16_RELAYS	LMI
18Q10	1	5SX21043HG	CIRCUIT BREAKER CURVE G 4A	SIEMENS
18510	1	XB2-BG21	SELECT_SWITCH	TELEMECANIQUE
19Q4	1	5SX21043HG	CIRCUIT BREAKER CURVE G 4A	SIEMENS
19Q9	1	5SX21043HG	CIRCUIT BREAKER CURVE G 4A	SIEMENS

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY Perrick Hsiao
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DRAWN DATE: 04-14-2015
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