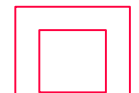
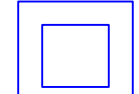





MATERIAL LIST (MAJOR ITEMS)

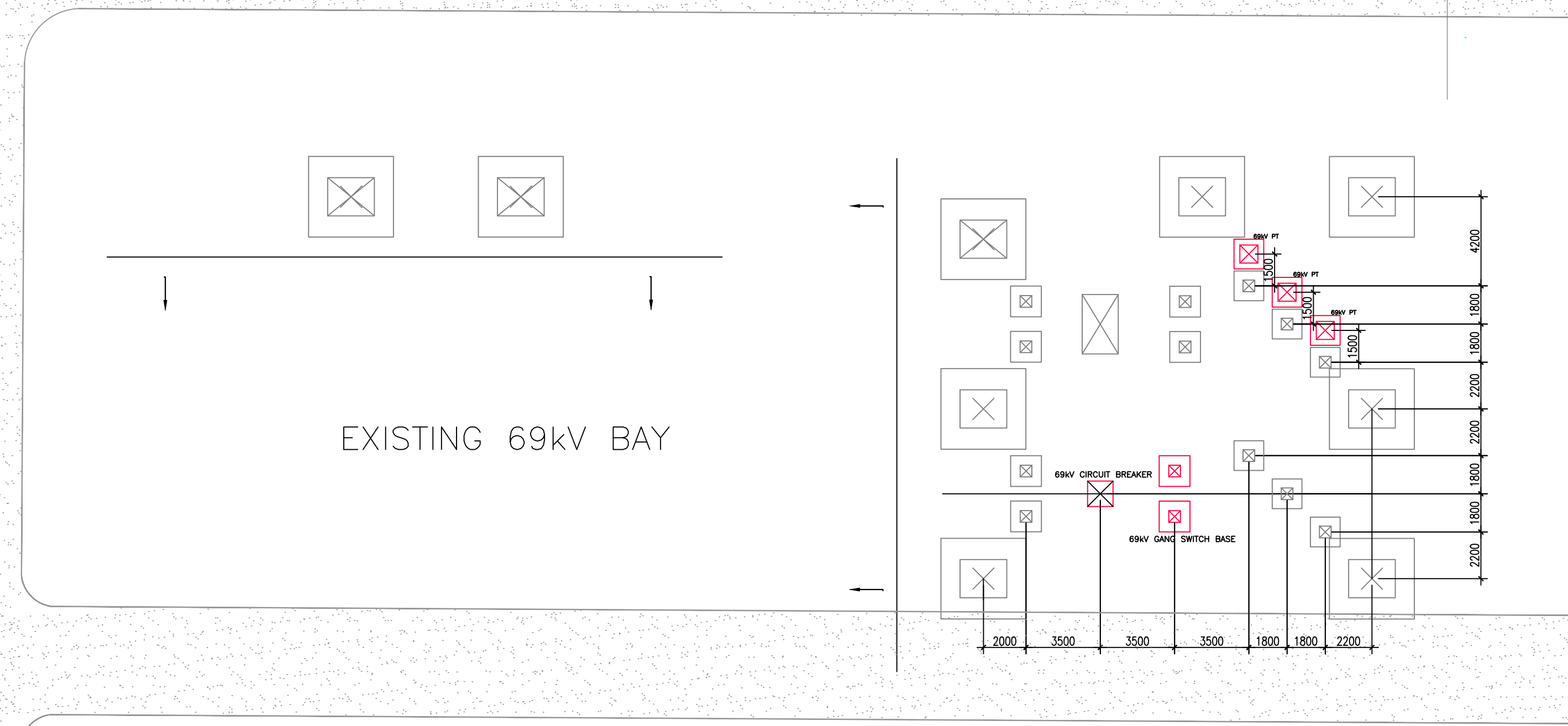
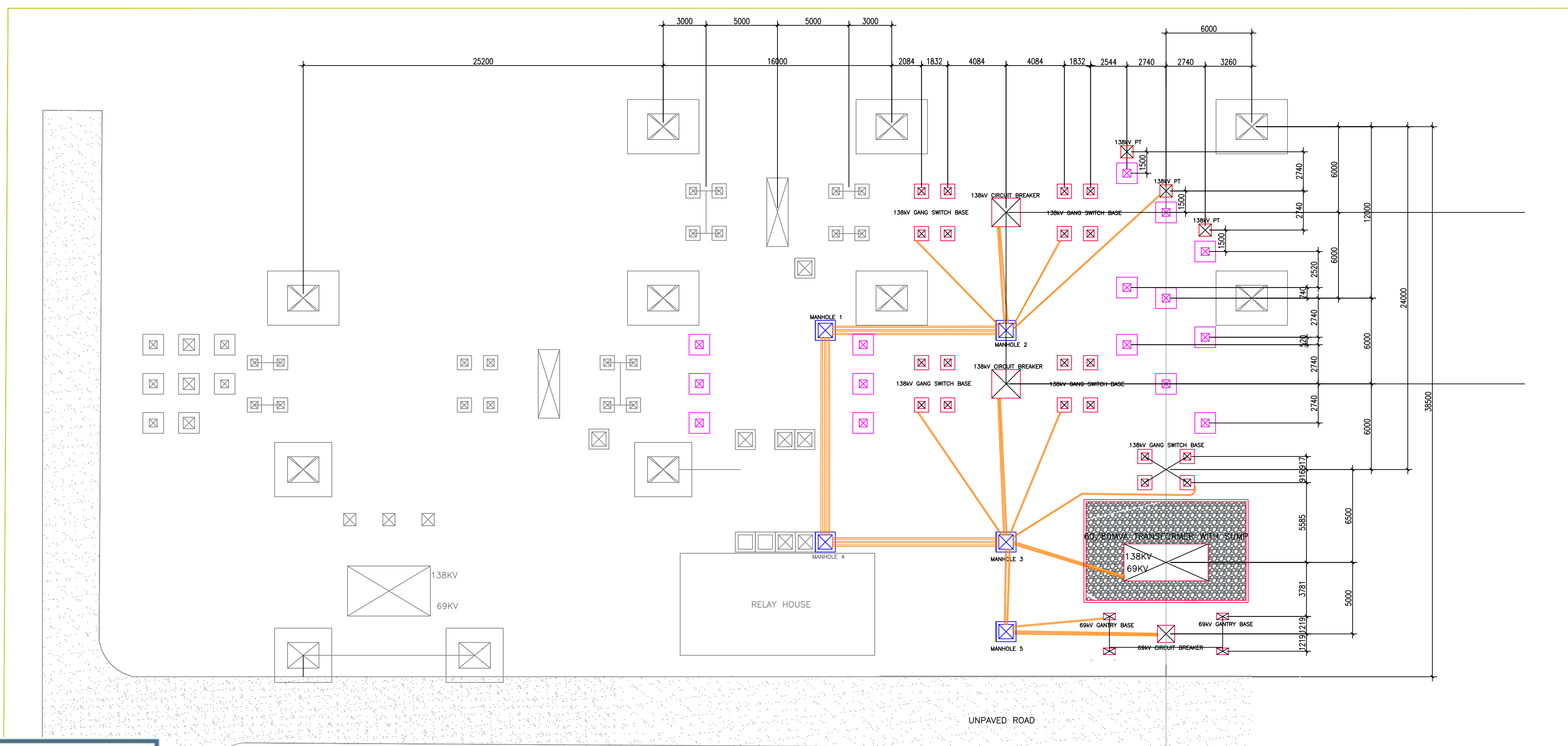
ITEM NO.	DESCRIPTION	PROP.	EXIST
1			
2			
3			
4			
5			
6			
7			
8			
9			

LEGEND

-  New Equipment Foundation
-  New Manhole
-  New Schedule 40 PVC Pipes
-  New Transformer Base with Oil Catchment
-  Existing Equipment Foundation

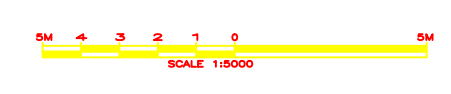
NOTES

All electrical schedule 40 PVC Conduits from Transformer to Manhole are 12" below ground level



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**STEVE WINDROSS**  
  
 Head - Engineering & Standards



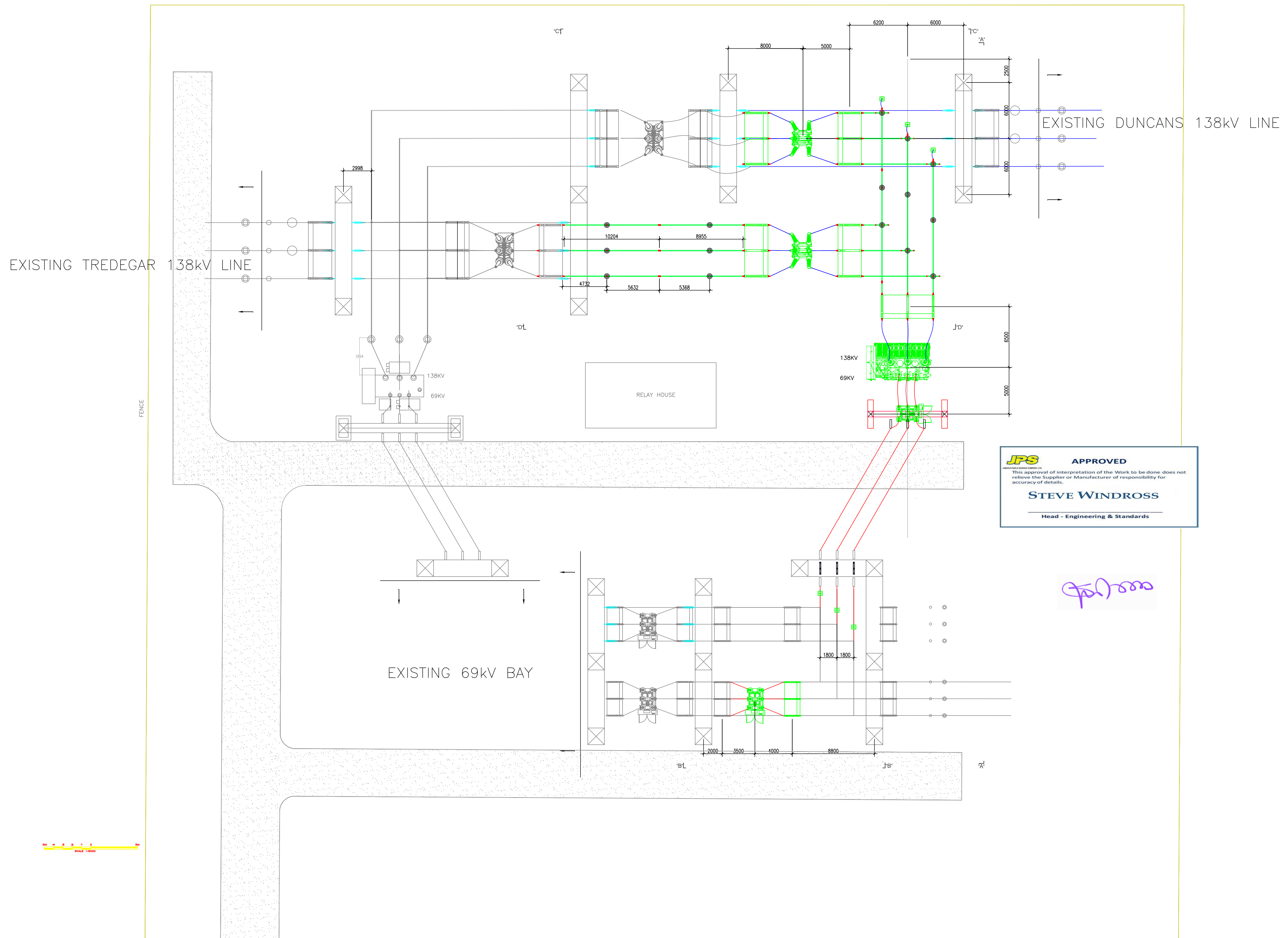
*C. Cummings*  
*N. Brackett*

No.	PARTICULARS	APP.	BY	DATE
REVISION				

**JPS JAMAICA PUBLIC SERVICE COMPANY LIMITED**

BELLEVUE INTERBUS INSTALLATION  
 FOUNDATION LAYOUT

DWG. SCALE: 1:5000	DESIGNED BY: N. Brackett	DATE: 28-Feb-2024	DRAWING NO. 29207	REV. 0
PLOT SCALE:	DRAWN BY: N. Brackett	28-Feb-2024	Sheet 1 of 8	
SUPERSEDES:	CHECKED BY:		PROJECT NUMBER:	
DATE:	APPROVED BY:			



MATERIAL LIST (MAJOR ITEMS)

ITEM NO.	DESCRIPTION	PROP.	EXIST
1			
2			
3			
4			
5			
6			
7			
8			
9			

LEGEND

- New 69kV Bus
- New 138kV Bus
- New Steel Structures
- New Equipment
- Existing Steel Structures and Equipment

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 relieve the Supplier or Manufacturer of responsibility for  
 accuracy of details.  
**STEVE WINDROSS**  
 Head - Engineering & Standards

*Steve Windross*

*C. Cummings*

*N. Brackett*

No.	PARTICULARS	APP.	BY	DATE
REVISION				

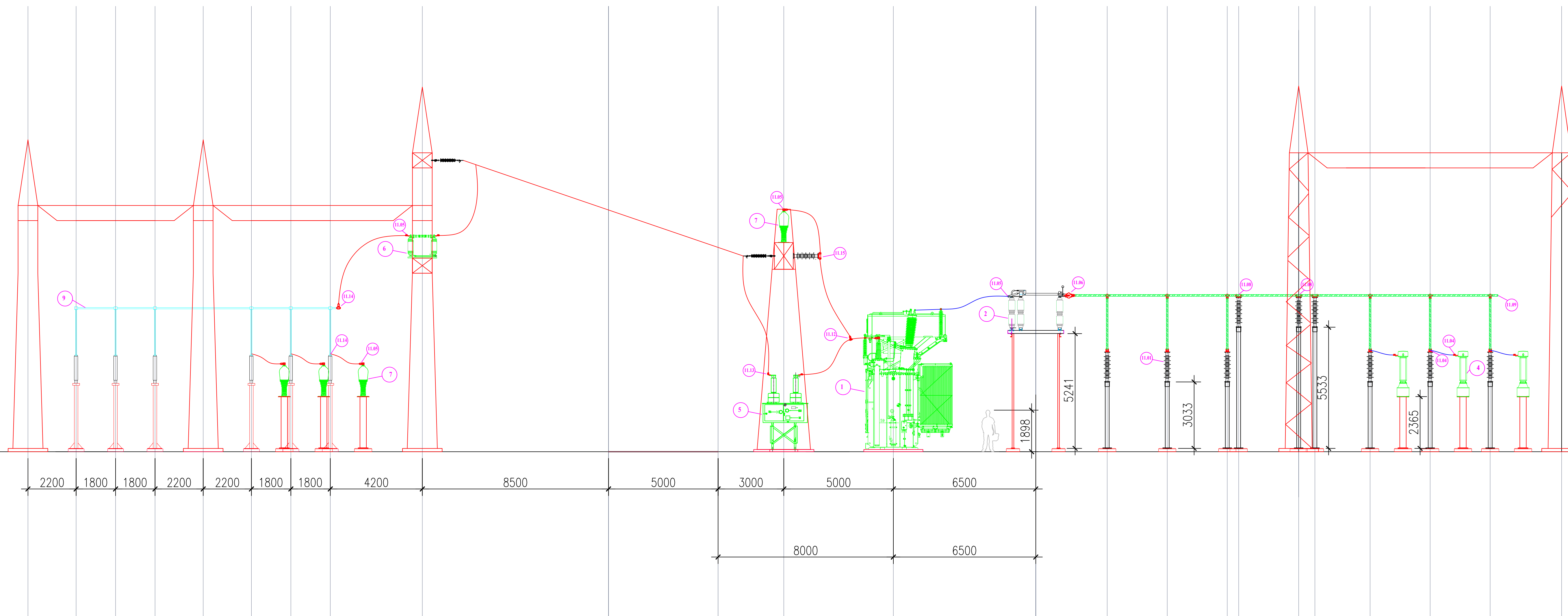
**JPS** JAMAICA PUBLIC SERVICE COMPANY LIMITED

BELLEVUE INTERBUS INSTALLATION  
 ELECTRICAL PLAN

DWG. SCALE: 1:5000	DESIGNED BY: N. Brackett	DATES: 28-Feb-2024	DRAWING NO. 29207	REV. 0
PLOT SCALE:	DRAWN BY: N. Brackett	21-Feb-2024	Sheet 2 of 8	
SUPERSEDES:	CHECKED BY:		PROJECT NUMBER:	
DATE:	APPROVED BY:			

MATERIAL LIST (MAJOR ITEMS)

ITEM NO.	DESCRIPTION	PROP.	EXIST
1	60/80MVA INTERBUS TRANSFORMER	1	
2	1.38KV MOTORIZED GROUP OPERATED SWITCH-1200A	5	
3	1.38KV DEAD TANK CIRCUIT BREAKER-1200A	2	
4	1.38KV POTENTIAL TRANSFORMER	3	
5	69KV DEAD TANK CIRCUIT BREAKER-1200A	2	
6	69KV MANUAL GROUP OPERATED SWITCH-1200A	1	
7	69KV POTENTIAL TRANSFORMER	3	
8	69KV MOTORIZED GROUP OPERATED SWITCH-1200A	1	
9	ALUMINUM BUSBAR (PIPE)	Lot	
10			
11			
12			
13			
14			
15			



SECTION A-A

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**STEVE WINDROSS**  
*Steve Windross*  
 Head - Engineering & Standards

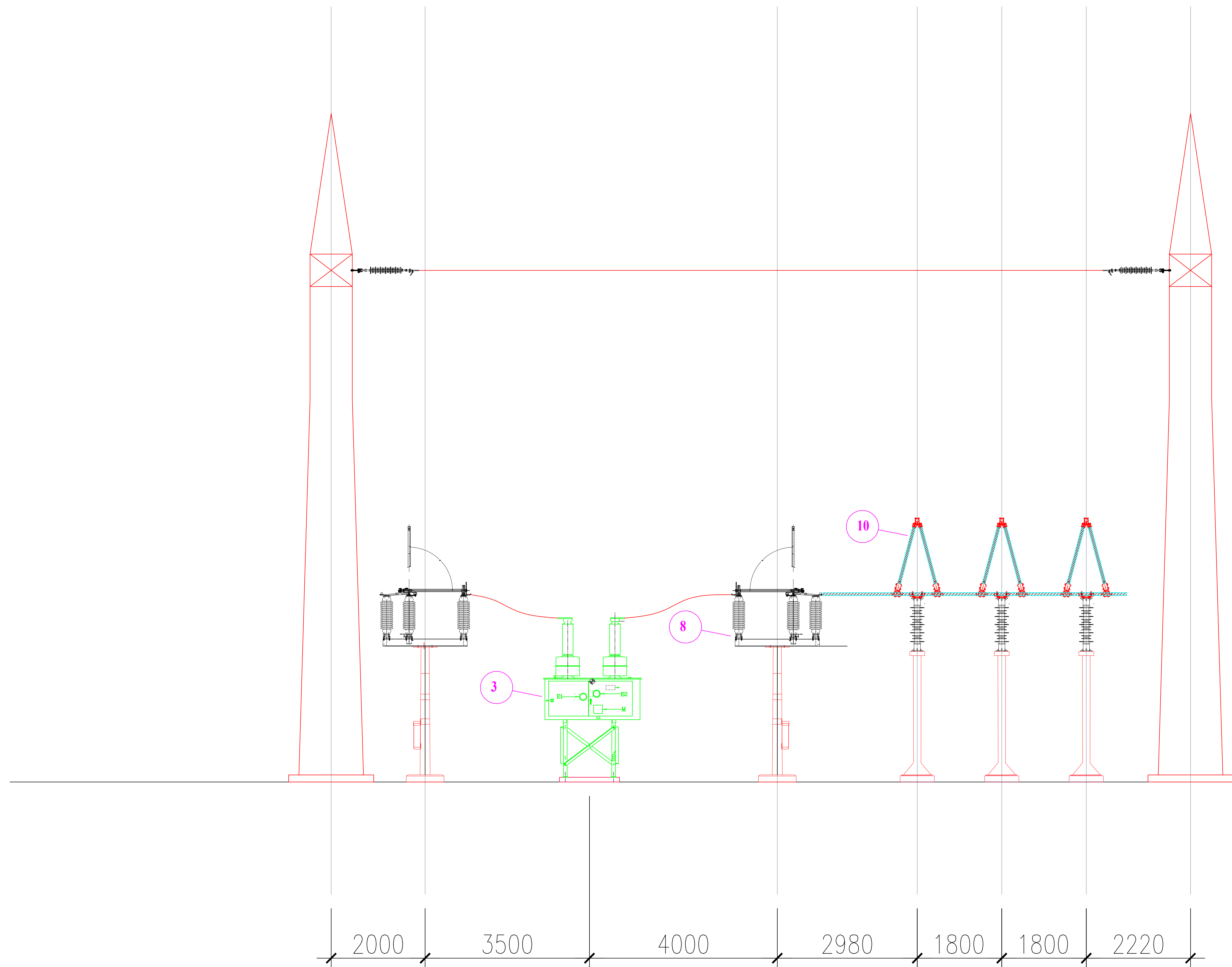
*C. Cummings*

*N. Brackett*

No.	PARTICULARS	APP.	BY	DATE
REVISION				
<b>JPS</b> JAMAICA PUBLIC SERVICE COMPANY LIMITED				
BELLEVUE INTERBUS INSTALLATION ELEVATIONS AND SECTIONS - A				
DWG. SCALE:-	DESIGNED BY:- N. Brackett	DATES:-	DRAWING NO.	REV.
PLOT SCALE:-	DRAWN BY:- N. Brackett	28-Feb-2024	29207	0
SUPERSEDES:-	CHECKED BY:-	28-Feb-2024	Sheet 3 of 8	
DATE:-	APPROVED BY:-		PROJECT NUMBER:	

MATERIAL LIST (MAJOR ITEMS)

ITEM NO.	DESCRIPTION	PROP.	EXIST
1	60/80MVA INTERBUS TRANSFORMER	1	
2	138KV MOTORIZED GROUP OPERATED SWITCH-1200A	5	
3	138KV DEAD TANK CIRCUIT BREAKER-1200A	2	
4	138KV POTENTIAL TRANSFORMER	3	
5	69KV DEAD TANK CIRCUIT BREAKER-1200A	2	
6	69KV MANUAL GROUP OPERATED SWITCH-1200A	1	
7	69KV POTENTIAL TRANSFORMER	3	
8	69KV MOTORIZED GROUP OPERATED SWITCH-1200A	1	
9	ALUMINUM BUSBAR (PIPE)	Lot	
10			
11			
12			
13			
14			
15			



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**STEVE WINDROSS**  
 Head - Engineering & Standards

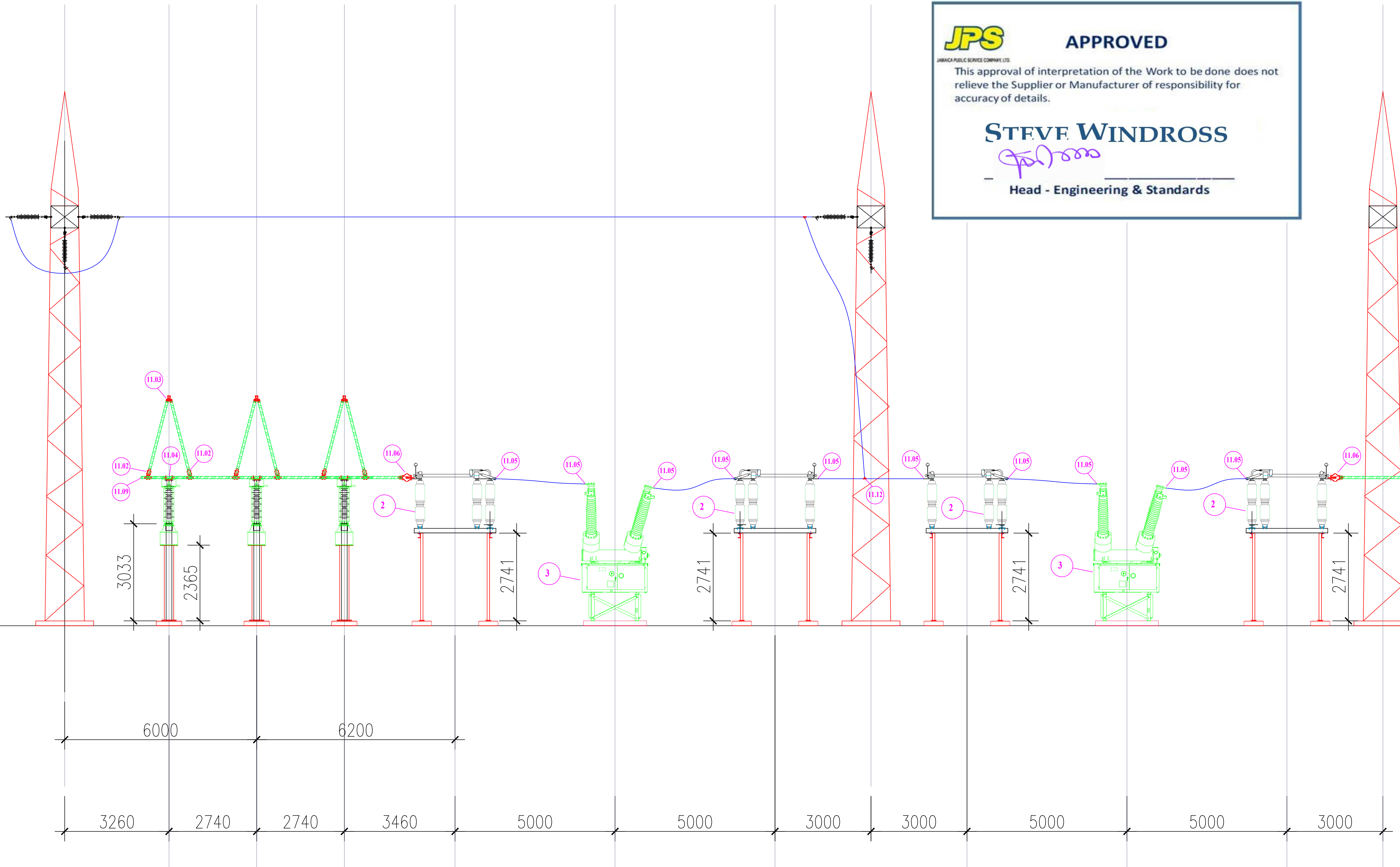
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*C. Cummings*

*N. Brackett*

**SECTION B-B**

No.	PARTICULARS	APP.	BY	DATE
REVISION				
<b>JPS</b> JAMAICA PUBLIC SERVICE COMPANY LIMITED				
BELLEVUE INTERBUS INSTALLATION ELEVATIONS AND SECTIONS - B				
DWG. SCALE:-	DESIGNED BY:- N. Brackett	DATES:- 28-Feb-2024	DRAWING NO. 29207	REV. 0
PLOT SCALE:-	DRAWN BY:- N. Brackett	28-Feb-2024	Sheet 4 of 8	
SUPERSEDES:-	CHECKED BY:-		PROJECT NUMBER:	
DATE:-	APPROVED BY:-			



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**STEVE WINDROSS**  
*[Signature]*  
 Head - Engineering & Standards

MATERIAL LIST (MAJOR ITEMS)			
ITEM NO.	DESCRIPTION	PROP.	EXIST
1	60/80MVA INTERBUS TRANSFORMER	1	
2	138KV MOTORIZED GROUP OPERATED SWITCH-1200A	5	
3	138KV DEAD TANK CIRCUIT BREAKER-1200A	2	
4	138KV POTENTIAL TRANSFORMER	3	
5	69KV DEAD TANK CIRCUIT BREAKER-1200A	2	
6	69KV MANUAL GROUP OPERATED SWITCH-1200A	1	
7	69KV POTENTIAL TRANSFORMER	3	
8	69KV MOTORIZED GROUP OPERATED SWITCH-1200A	1	
9	ALUMINIUM BUSBAR (PIPE)	Lot	
10			
11			
12			
13			
14			
15			

*C. Cummings*  
*N. Brackett*

No.	PARTICULARS	APP.	BY	DATE
REVISION				
<b>JPS</b> JAMAICA PUBLIC SERVICE COMPANY LIMITED BELLEVUE INTERBUS INSTALLATION ELEVATIONS AND SECTIONS - C				
DWG. SCALE:-	DESIGNED BY:- N. Brackett	DATES:- 28-Feb-2024	DRAWING NO. 29207	REV. 0
PLOT SCALE:-	DRAWN BY:- N. Brackett	28-Feb-2024	Sheet 5 of 8	
SUPERSEDES:-	CHECKED BY:-		PROJECT NUMBER:	
DATE:-	APPROVED BY:-			

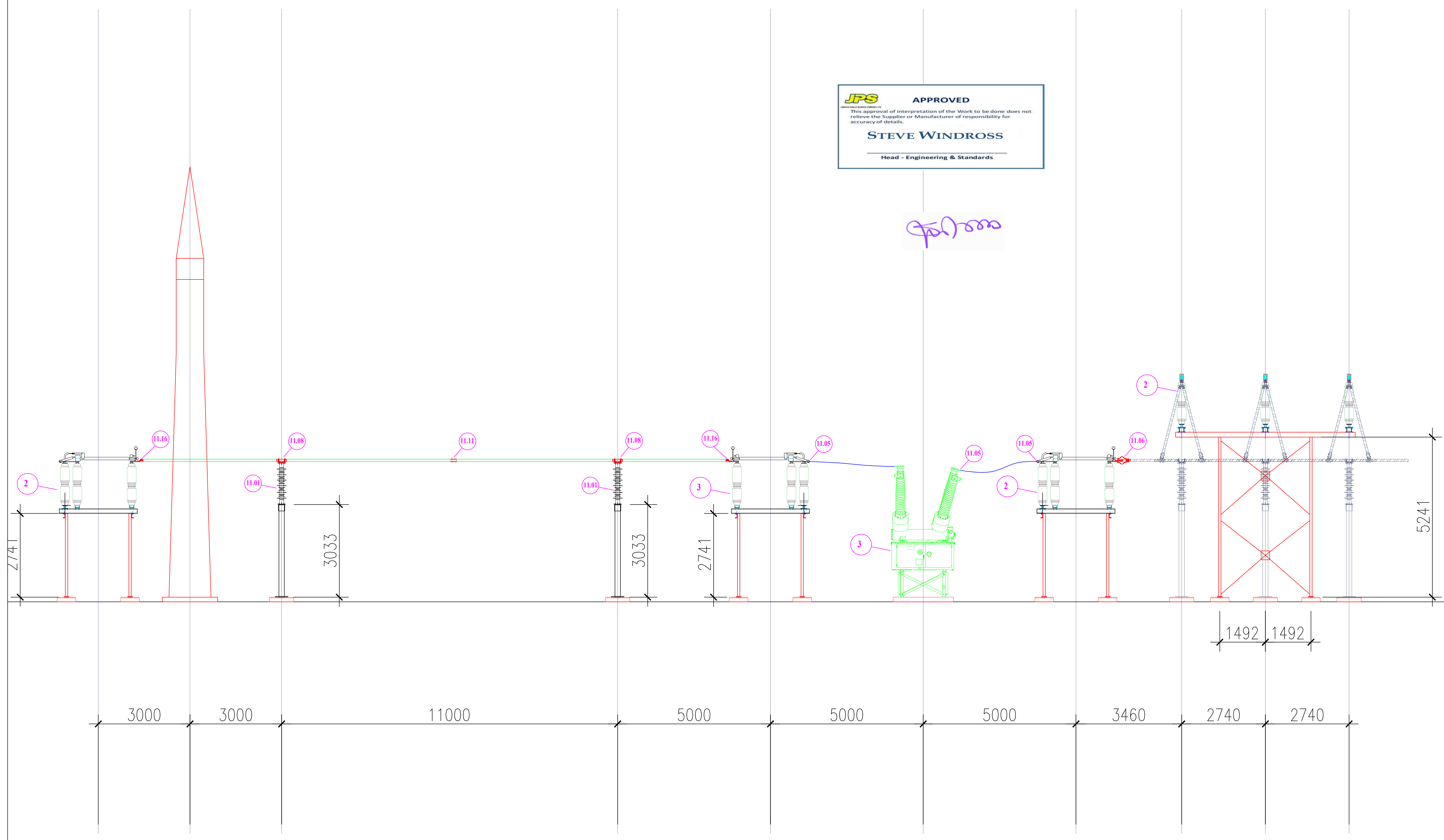
SECTION C-C

MATERIAL LIST (MAJOR ITEMS)

ITEM NO.	DESCRIPTION	PROP.	EXIST
1	60/80MVA INTERBUS TRANSFORMER	1	
2	138KV MOTORIZED GROUP OPERATED SWITCH-1200A	5	
3	138KV DEAD TANK CIRCUIT BREAKER-1200A	2	
4	138KV POTENTIAL TRANSFORMER	3	
5	69KV DEAD TANK CIRCUIT BREAKER-1200A	2	
6	69KV MANUAL GROUP OPERATED SWITCH-1200A	1	
7	69KV POTENTIAL TRANSFORMER	3	
8	69KV MOTORIZED GROUP OPERATED SWITCH-1200A	1	
9	ALUMINUM BUSBAR (PIPE)	Lot	
10			
11			
12			
13			
14			
15			

**JPS** APPROVED  
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**STEVE WINDROSS**  
 Head - Engineering & Standards

*Steve Windross*



SECTION D-D

*C. Cummings*

*N. Brackett*

No.	PARTICULARS	APP.	BY	DATE
REVISION				

**JPS** JAMAICA PUBLIC SERVICE COMPANY LIMITED

BELLEVUE INTERBUS INSTALLATION  
 ELEVATIONS AND SECTIONS - D

DWG. SCALE:--	DESIGNED BY:-- N. Brackett	DATES:-- 28-Feb-2024	DRAWING NO. 29207	REV. 0
PLOT SCALE:--	DRAWN BY:-- N. Brackett	28-Feb-2024	Sheet 6 of 8	
SUPERSEDES:--	CHECKED BY:--		PROJECT NUMBER:	
DATE:--	APPROVED BY:--			

BELLEVUE INTERBUS TRANSFORMER INSTALLATION: BILL OF MATERIALS - EQUIPMENT AND BUSWORK

C. Cummings

JPS

N. Brckett

ID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY	UNIT	REMARKS
----	-------------	--------------	-------------	-----	------	---------

<b>A SUBSTATION EQUIPMENT</b>						
1	138/69kV, 60/80MVA Interbus Transformer			1	Ea.	By JPS
2	138kV, 1200A Motorized Group Operated Disconnect Switch			5	Ea.	By JPS
3	138kV, 1200A SF6 Circuit Breaker			2	Ea.	By JPS
4	138kV, Potential Tranformer			3	Ea.	Others
5	69kV, 1200A SF6 Circuit Breaker			2	Ea.	By JPS
6	69kV, 1200A Manual Group Operated Disconnect Switch - 1200A			1	Ea.	By JPS
7	69kV, Potential Tranformer			3	Ea.	By JPS
8	69kV, 1200A Motorized Group Operated Disconnect Switch			1	Ea.	By JPS
9	Aluminum pipe, 3" schedule 40, 20 feet length			1	Lot	This Bid
10	Aluminum pipe, 2" schedule 40, 20 feet length			1	Lot	This Bid

<b>B ALUMINIUM CONNECTORS</b>						
11.01	138kV Substation Post Insulator	Vanguard	VTR288SSG	15	Each	
11.02	15° angle bolted pipe main to pipe tap, 3" pipe main to 2" pipe tap, aluminum	SEFCOR	ATT15-6258	13	Each	1 spare
11.03	Angle bolted pipe main to two pipe taps, 3" pipe main to 2" pipe taps, aluminum	SEFCOR	AVT15-6258	7	Each	1 spare
11.04	Tee connector, 3" pipe to 350 - 650 MCM cable, aluminum	SEFCOR	ATRCT-6224	7	Each	1 spare
11.05	Terminal connector 556 - 1000 MCM Al to 4-hole NEMA pad, aluminum	SEFCOR	AFNC-34-4A	39	Each	3 spare
11.06	Expansion terminal connector, 3" pipe to 4-hole NEMA pad, aluminum	SEFCOR	AFXT-62-4A	15	Each	
11.07	Bus Support( rigid & slide) 3" IPS Aluminum tube to 5" BC Insulator	SEFCOR	ASTI-62-5	15	Each	
11.08	Bus Support (flexible) for 3" IPS Aluminum tube to 5" BC Insulator	SEFCOR	AXCTO-62-5	6	Each	
11.09	End Plug for 3" IPS Dia. Aluminum Tubing	SEFCOR	DPS-62-AL	60	Each	
11.10	End Plug for 2" IPS Dia. Aluminum Tubing	SEFCOR	DPS-58-AL	24	Each	
11.11	Coupler, Bolted, 3" Al Tube to 3" Al Tube	SEFCOR	ASCT-62-62	9	Each	1 spare
11.12	Tee Connector 559.5 MCM Al run and tap	SEFCOR	ACRCT-2424	36	Each	By JPS
11.13	Terminal Connector 559.2 MCM Al to 4-Hole NEMA Pad, 90 Degrees	SEFCOR	AFNC90-24-4A	18	Each	By JPS
11.14	Terminal Connector 2" AL Pipe to 559 MCM Al Conductor	SEFCOR	ATRCT-5824	6	Each	By JPS
11.15	5" BC Aluminium alloy bus support for 559.5MCM aluminium cable	SEFCOR	AVCA-24-5	3	Each	By JPS
11.16	Terminal connector 3" pipe to 4-hole NEMA pad, aluminum	SEFCOR	AFNT-62-4A	7	Each	1 spare

# Signature Certificate



Envelope Ref:25dc0676bc7e646bd7002556112cffe6f6331a58

Author: Neville Brackett    Creation Date: 24 May 2024, 14:33:33, EST    Completion Date: 24 May 2024, 16:38:14, EST

## Document Details:



Name: Bellevue Interbus Installation - Buswork and Equipment Layout Designs  
Type:  
Document Ref: c7055652c213fcb5ef4574d31d2c5d8efbb9f38eb4a0f6b2153957b0a4f49bb  
Document Total Pages: 7

## Document Signed By:

Name: Clinton Cummings  
Email: cCummings@jpsco.com  
IP: 2605:a200:9201:6045:4ba4:30b9:2100:aa08  
Location: KINGSTON, 02 (JM)  
Date: 24 May 2024, 15:29:32, EST  
Consent: eSignature Consent Accepted

Security Level: Email  
Name: Steve Windross  
Email: swindros@jpsco.com  
IP: 208.131.181.146  
Location: KINGSTON, 02 (JM)  
Date: 24 May 2024, 16:38:14, EST  
Consent: eSignature Consent Accepted

Security Level: Email  
Name: Neville Brackett  
Email: nBrackett@jpsco.com  
IP: 63.143.116.145  
Location: KINGSTON, 02 (JM)  
Date: 24 May 2024, 15:39:56, EST  
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Security Level: Email



## Document History:

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Invitation Sent	Invitation sent to Clinton Cummings on 24 May 2024, 14:49:14, EST
Modification Started	Modification started on 24 May 2024, 14:51:40, EST by Neville Brackett
Modification Completed	Modified on 24 May 2024, 14:52:56, EST by Neville Brackett
Invitation Sent	Invitation sent to Clinton Cummings on 24 May 2024, 14:52:57, EST
Invitation Accepted	Invitation accepted by Clinton Cummings on 24 May 2024, 15:28:56, EST
Signed by Clinton Cummings	Clinton Cummings signed this Envelope on 24 May 2024, 15:29:32, EST
Invitation Sent	Invitation sent to Neville Brackett on 24 May 2024, 15:29:33, EST
Invitation Accepted	Invitation accepted by Neville Brackett on 24 May 2024, 15:39:12, EST
Signed by Neville Brackett	Neville Brackett signed this Envelope on 24 May 2024, 15:39:56, EST
Invitation Sent	Invitation sent to Steve Windross on 24 May 2024, 15:39:56, EST
Invitation Accepted	Invitation accepted by Steve Windross on 24 May 2024, 16:37:30, EST
Signed by Steve Windross	Steve Windross signed this Envelope on 24 May 2024, 16:38:14, EST
Executed	Document(s) successfully executed on 24 May 2024, 16:38:14, EST
Signed Document(s)	Link emailed to cCummings@jpsco.com
Signed Document(s)	Link emailed to nBrackett@jpsco.com
Signed Document(s)	Link emailed to swindros@jpsco.com
Signed Document(s)	Link emailed to nWaugh@jpsco.com