

REV	DESCRIPTION	BY	DATE	-	----	--	---/---/---	-	----	--	---/---/---
-	----	--	---/---/---	-	----	--	---/---/---	-	----	--	---/---/---

WM. JENNINGS BRYAN DORN VA MEDICAL CENTER COLUMBIA, SOUTH CAROLINA ADVANCED METERING PROJECT AS-BUILT

TABLE OF CONTENTS

DRAWING NUMBER	PAGE	REV	DRAWING TYPE	STATUS
27799512-070-01	01		TITLE SHEET & TABLE OF CONTENTS	AS-BUILT
27799512-070-01	02		TYPICAL CUTSHEET TABLE REFERENCE	AS-BUILT
27799512-070-01	03		WM. JENNINGS BRYAN DORN VA MEDICAL CARE CENTER SYSTEM SITE PLAN	AS-BUILT
27799512-070-01	04		WM. JENNINGS BRYAN DORN VA MEDICAL CARE CENTER FLOOR PLAN (BUILDING 1)	AS-BUILT
27799512-070-01	05		WM. JENNINGS BRYAN DORN VA MEDICAL CARE CENTER FLOOR PLAN (BUILDING 3)	AS-BUILT
27799512-070-01	06		WM. JENNINGS BRYAN DORN VA MEDICAL CARE CENTER FLOOR PLAN (BUILDING 100)	AS-BUILT
27799512-070-01	07		WM. JENNINGS BRYAN DORN VA MEDICAL CARE CENTER FLOOR PLAN (BUILDING 103)	AS-BUILT
27799512-070-01	08		WM. JENNINGS BRYAN DORN VA MEDICAL CARE CENTER FLOOR PLAN (BUILDING 106)	AS-BUILT
27799512-070-CM	09		WM. JENNINGS BRYAN DORN VA MEDICAL CARE CENTER NETWORK DIAGRAM (BUILDING 100)	AS-BUILT
27799512-070-CM	10		WM. JENNINGS BRYAN DORN VA MEDICAL CARE CENTER NETWORK DIAGRAM (BUILDING 1, 3, 103 & 106)	AS-BUILT
27799512-070-CM	11		WM. JENNINGS BRYAN DORN VA MEDICAL CARE CENTER NETWORK DETAILS	AS-BUILT
27799512-070-01	12		WM. JENNINGS BRYAN DORN VA MEDICAL CARE CENTER PARTIAL ONE-LINE	AS-BUILT
27799512-070-01	13		WM. JENNINGS BRYAN DORN VA MEDICAL CARE CENTER WIRING SCHEMATIC (TYPICAL NEW METER ENCLOSURE (SYSTEM ID 40))	AS-BUILT
27799512-070-01	14		WM. JENNINGS BRYAN DORN VA MEDICAL CARE CENTER WIRING SCHEMATIC (TYPICAL NEW METER ENCLOSURE (SYSTEM ID 40))	AS-BUILT
27799512-070-01	15		WM. JENNINGS BRYAN DORN VA MEDICAL CARE CENTER WIRING SCHEMATIC (TYPICAL NEW METER RETROFIT (SYSTEM ID 40))	AS-BUILT
27799512-070-01	16		WM. JENNINGS BRYAN DORN VA MEDICAL CARE CENTER TYPICAL COMPONENT MOUNTING	AS-BUILT

© SCHNEIDER ELECTRIC USA, INC.
THIS DRAWING AND/OR SPECIFICATIONS CONTAINS INFORMATION PROPRIETARY TO SCHNEIDER ELECTRIC, IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSE FOR WHICH IT IS FURNISHED. SCHNEIDER ELECTRIC OWNS ALL COPYRIGHT, DESIGN AND INVENTION RIGHTS FOR THE DATA AND/OR MATERIAL DISCLOSED HEREIN. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SCHNEIDER ELECTRIC.

SCHNEIDER ELECTRIC USA, INC.		JOB NAME: WM. JENNINGS BRYAN DORN VA MEDICAL CENTER	EQUIPMENT DESIGNATION: -
		JOB LOCATION: COLUMBIA, SOUTH CAROLINA	EQUIPMENT TYPE: VISN 7
		DRAWN BY: DONALD FREITAS	DRAWING TYPE: TITLE SHEET & TABLE OF CONTENTS
		ENGR: FAUSTO ZAMUDIO	
		CHECKED DATE: MARCH 21, 2011	
		PLANT LOCATION: P48 (ENG SVCS - PROJECTS)	DWG# 27799512-070-01
		DRAWING STATUS: AS-BUILT	PG 01 OF 16
			REV -

REV	DESCRIPTION	BY	DATE	-	----	--	--/--/--	-	----	--	--/--/--
-	----	--	--/--/--	-	----	--	--/--/--	-	----	--	--/--/--

CUTSHEET REFERENCE TABLE		
Document Number	Description	File Name Reference
01	Square D PowerLogic Factory Assembled Enclosures Installation Guide	Item 1 - Enclosure Instruction Bulletin.pdf
02	Phoenix Contact 24VDC Power Supply Data Sheet	Item 2 - 2866750 PC Power supply.pdf
03	Maxrad Access Point Radio Antenna Data Sheet	Item 3 - Antenna Maxrad MFB9157.pdf
04	Kathrein-Scala TY-900 Remote Radio Antenna Data Sheet	Item 4 - Antenna TY-900.pdf
05	Bussman Compact Circuit Protector Disconnect Switch Data Sheet	Item 5 - CCP Fusible disconnect.pdf
06	Bussman FNQ-R Fuse Specification Sheet	Item 6 - FNQ-R Fuses.pdf
07	Flex-Core Shorting Terminal Block Data Sheet	Item 7 - IKU Shorting Terminal Blocks.pdf
08	PD-395 Lightning Arrester Specification Sheet	Item 8 - Lightning Arrester Parameters.pdf
09	Heliac Coaxial Cable Data Sheet	Item 9 - LDF4RN-50A Heliac Coaxial Cable.pdf
10	MDS iNET-II 900 Ethernet Remote Radio Specification Sheet	Item 10 - MDS iNETII 900 Mhz Radio.pdf
11	MDS Wireless Radio Enclosure Specification Sheet	Item 11 - MDS Packaged Radio Series Data Sheet.pdf
12	Kathrein-Scala Access Point Antenna (Low Gain) Data Sheet	Item 12 - Unity Omni Antenna.pdf
13	Flex-Core CT Data Sheet	Item 13 - Flex Core CT Data Sheet. pdf
14	Schneider Electric 9070T250D32 Industrial Control Transformer	Item 14 - Control Power Transformer.pdf
15	MTS Wireless Mounting Hardware Product Guide	Item 15 - Steel Wireless Mounting Hardware.pdf
16	Square D PowerLogic Power Meter 800 Series Product Application Guide	Item 16 - PM800 Spec Overview.pdf
17	Belden Serial Communication Cable Specification Sheet	Item 17 - Belden Cables.pdf
18	Equipment Penetration and Firestopping Installation Guide	Item 18 - Penetration & Firestopping.pdf
19	Equipment Mounting Anchor Installation Guide	Item 19 - Mounting Anchor.pdf
20	Cable Tie Specification Guide	Item 20 - Cable Ties.pdf
21	Cisco Ethernet Hardwire Router Data Sheet	Item 21 - Cisco Router.pdf
22	Cisco Ethernet Wireless Router Data Sheet	Item 22 - Cisco Wireless Router.pdf
23	Ethernet Extender Specification Sheet	Item 23 - EIR-Extend-0408ds Ethernet Extender.pdf
24	Mean Well Power Supply Data Sheet	Item 24 - MDR-40 Power Supply Spec.pdf
25	Panel Mount Wireless Antenna Specifcaition Sheet	Item 25 - MP800900 PCTEL Panel Mount Antenna.pdf
26	DSL Modem Data Sheet	Item 26 - Netopia 4600 Series Router.pdf
27	Wireless Enclosure Installation Guide	Item 27 - MDS P-60 Enclosure Installation Guidelines.pdf
28	Ntron Eight Port Ethernet Switch	Item 28 - 108TX_Datasheet.pdf
29	E-Linx Five Port Ethernet Switch	Item 29 - EIR205 Series 2709-ds Industrial DCV Switch.pdf

© SCHNEIDER ELECTRIC USA, INC.
THIS DRAWING AND/OR SPECIFICATIONS CONTAINS INFORMATION PROPRIETARY TO SCHNEIDER ELECTRIC, IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSE FOR WHICH IT IS FURNISHED. SCHNEIDER ELECTRIC OWNS ALL COPYRIGHT, DESIGN AND INVENTION RIGHTS FOR THE DATA AND/OR MATERIAL DISCLOSED HEREIN. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SCHNEIDER ELECTRIC.

SCHNEIDER ELECTRIC USA, INC.

CHECKED BY: ALAN WATSON
CHECKED DATE: MARCH 21, 2011
PLANT LOCATION: P48 (ENG SVCS - PROJECTS)

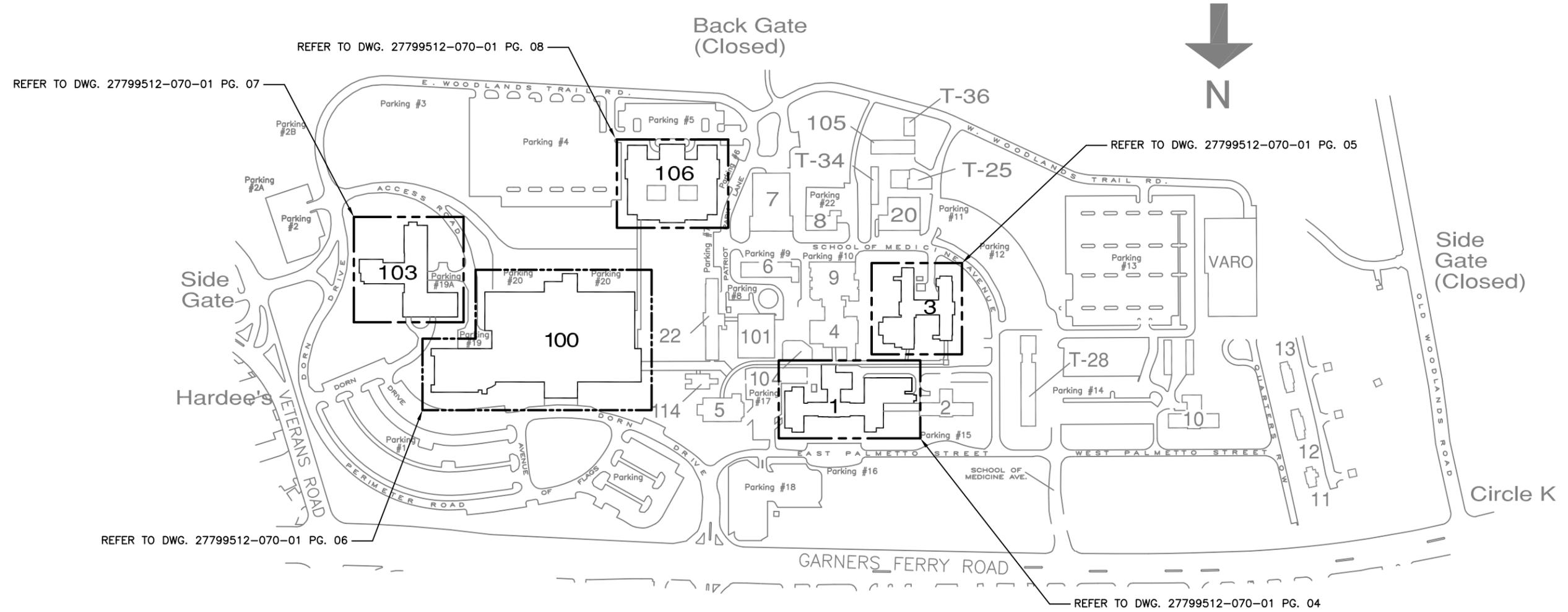
JOB NAME: WM. JENNINGS BRYAN DORN VA MEDICAL CENTER
JOB LOCATION: COLUMBIA, SOUTH CAROLINA
DRAWN BY: DONALD FREITAS
ENGR: FAUSTO ZAMUDIO
DATE: MARCH 21, 2011
DRAWING STATUS: AS-BUILT

EQUIPMENT DESIGNATION: -
EQUIPMENT TYPE: VISN 7
DRAWING TYPE: TYPICAL CUTSHEET TABLE REFERENCE

Schneider Electric

DWG# 27799512-070-01 | PG 02 OF 16 | REV -

REV	DESCRIPTION	BY	DATE						
-	----	--	---/---/---	-	----	--	---/---/---	-	----



OVERALL SITE PLAN
WM. JENNINGS BRYAN DORN VA MEDICAL CENTER

© SCHNEIDER ELECTRIC USA, INC.
THIS DRAWING AND/OR SPECIFICATIONS CONTAINS INFORMATION PROPRIETARY TO SCHNEIDER ELECTRIC, IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSE FOR WHICH IT IS FURNISHED. SCHNEIDER ELECTRIC OWNS ALL COPYRIGHT, DESIGN AND INVENTION RIGHTS FOR THE DATA AND/OR MATERIAL DISCLOSED HEREIN. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SCHNEIDER ELECTRIC.

SCHNEIDER ELECTRIC USA, INC.	
CHECKED BY:	ALAN WATSON
CHECKED DATE:	MARCH 21, 2011
PLANT LOCATION:	P48 (ENG SVCS - PROJECTS)

JOB NAME:	WM. JENNINGS BRYAN DORN VA MEDICAL CENTER
JOB LOCATION:	COLUMBIA, SOUTH CAROLINA
DRAWN BY:	DONALD FREITAS
ENGR:	FAUSTO ZAMUDIO
DATE:	MARCH 21, 2011
DRAWING STATUS:	AS-BUILT

EQUIPMENT DESIGNATION:	-
EQUIPMENT TYPE:	VISN 7
DRAWING TYPE:	WM. JENNINGS BRYAN DORN VA OVERALL SITE PLAN
Schneider Electric	
DWG#	27799512-070-01
PG	03 OF 16
REV	-

REV	DESCRIPTION	BY	DATE						
-	----	--	---/---/---	-	----	--	---/---/---	-	----



BUILDING 1, ROOM B41 FLOOR PLAN
WM. JENNINGS BRYAN DORN VA MEDICAL CENTER



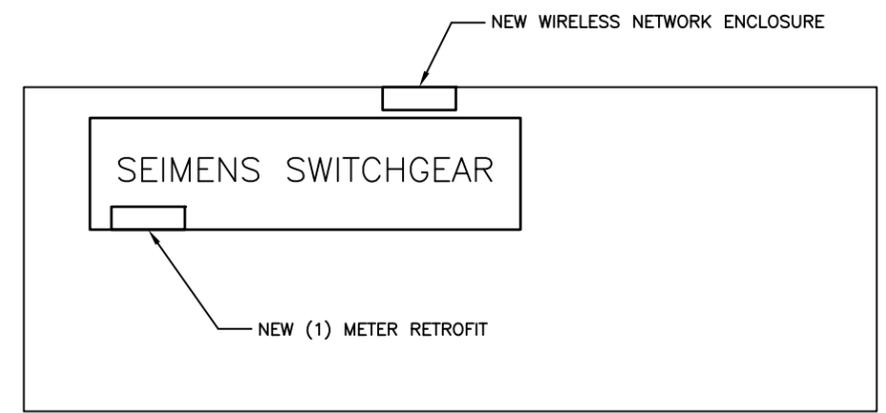
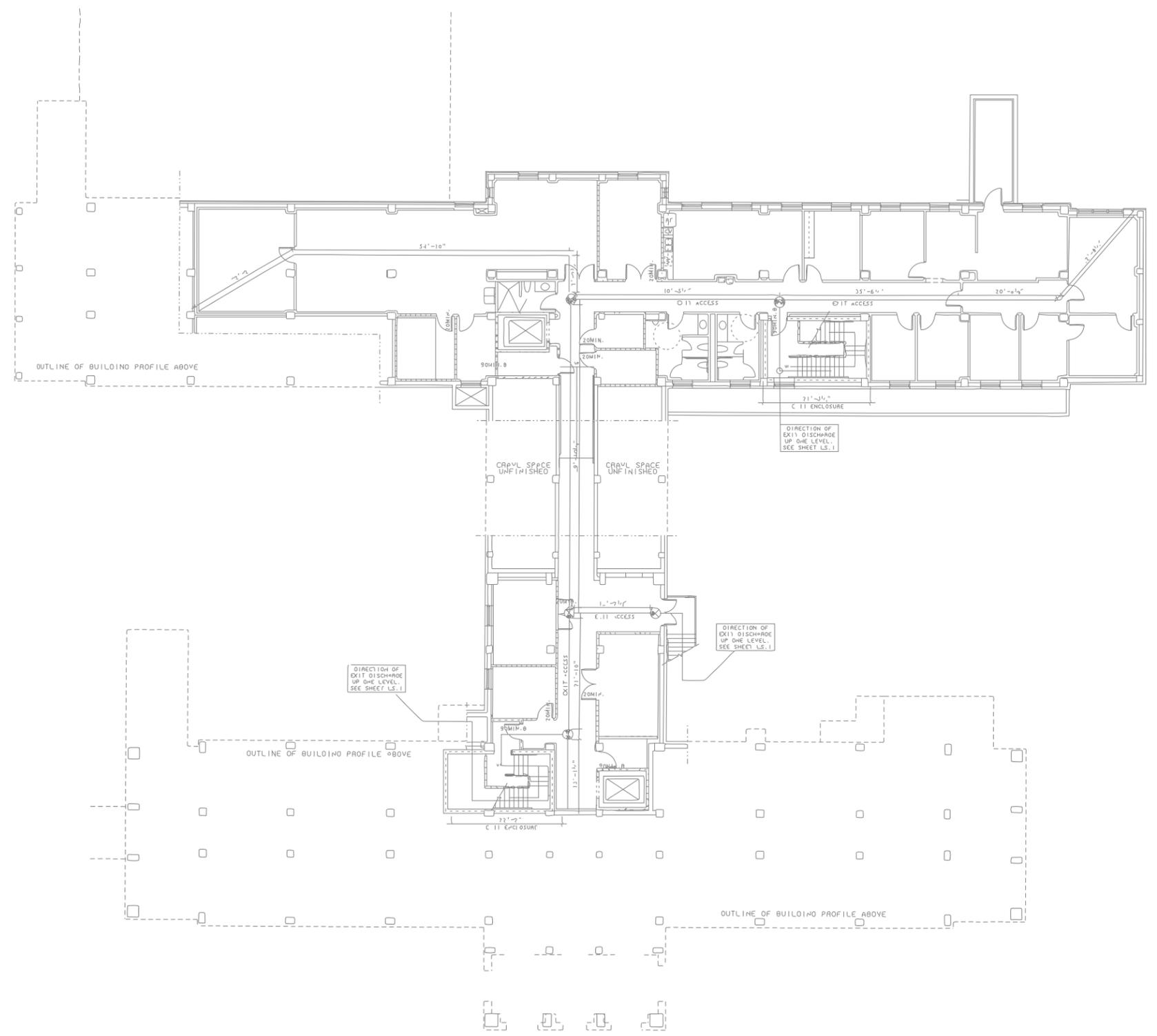
© SCHNEIDER ELECTRIC USA, INC.
THIS DRAWING AND/OR SPECIFICATIONS CONTAINS INFORMATION PROPRIETARY TO SCHNEIDER ELECTRIC, IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSE FOR WHICH IT IS FURNISHED. SCHNEIDER ELECTRIC OWNS ALL COPYRIGHT, DESIGN AND INVENTION RIGHTS FOR THE DATA AND/OR MATERIAL DISCLOSED HEREIN. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SCHNEIDER ELECTRIC.

SCHNEIDER ELECTRIC USA, INC.	
CHECKED BY:	ALAN WATSON
CHECKED DATE:	MARCH 21, 2011
PLANT LOCATION:	P48 (ENG SVCS - PROJECTS)

JOB NAME:	WM. JENNINGS BRYAN DORN VA MEDICAL CENTER
JOB LOCATION:	COLUMBIA, SOUTH CAROLINA
DRAWN BY:	DONALD FREITAS
ENGR:	FAUSTO ZAMUDIO
DATE:	MARCH 21, 2011
DRAWING STATUS:	AS-BUILT

EQUIPMENT DESIGNATION:	BUILDING 1
EQUIPMENT TYPE:	VISN 7
DRAWING TYPE:	WM. JENNINGS BRYAN DORN VA FLOOR PLAN
DWG#	27799512-070-01
PG	04 OF 16
REV	--

REV	DESCRIPTION	BY	DATE						
-	----	--	---/---/---	-	----	--	---/---/---	-	----



BUILDING 3 BASEMENT FLOOR PLAN
WM. JENNINGS BRYAN DORN VA MEDICAL CENTER

BUILDING 3, ROOM 18 FLOOR PLAN
WM. JENNINGS BRYAN DORN VA MEDICAL CENTER

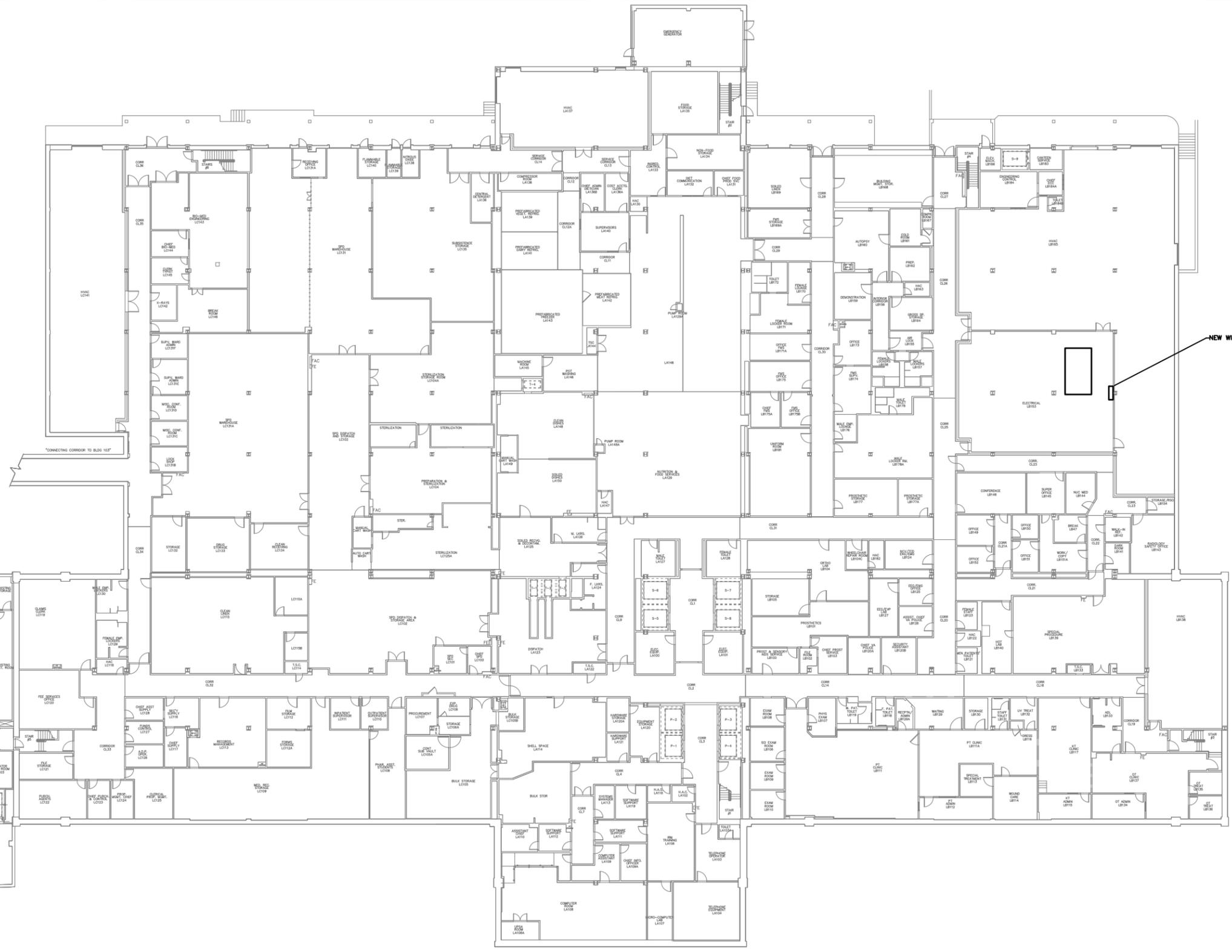
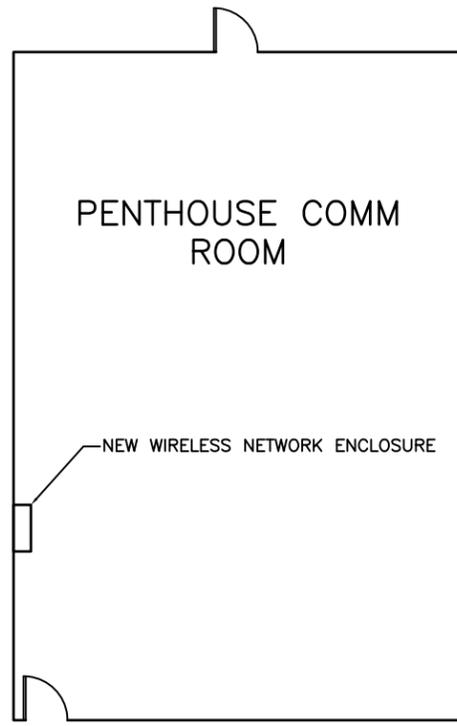
© SCHNEIDER ELECTRIC USA, INC.
THIS DRAWING AND/OR SPECIFICATIONS CONTAINS INFORMATION PROPRIETARY TO SCHNEIDER ELECTRIC, IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSE FOR WHICH IT IS FURNISHED. SCHNEIDER ELECTRIC OWNS ALL COPYRIGHT, DESIGN AND INVENTION RIGHTS FOR THE DATA AND/OR MATERIAL DISCLOSED HEREIN. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SCHNEIDER ELECTRIC.

SCHNEIDER ELECTRIC USA, INC.	
CHECKED BY:	ALAN WATSON
CHECKED DATE:	MARCH 21, 2011
PLANT LOCATION:	P48 (ENG SVCS - PROJECTS)

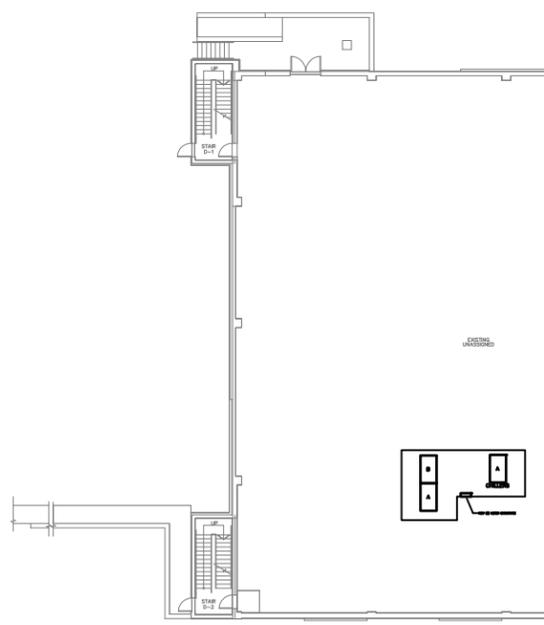
JOB NAME:	WM. JENNINGS BRYAN DORN VA MEDICAL CENTER
JOB LOCATION:	COLUMBIA, SOUTH CAROLINA
DRAWN BY:	DONALD FREITAS
ENGR:	FAUSTO ZAMUDIO
DATE:	MARCH 21, 2011
DRAWING STATUS:	AS-BUILT

EQUIPMENT DESIGNATION:	BUILDING 3
EQUIPMENT TYPE:	VISN 7
DRAWING TYPE:	WM. JENNINGS BRYAN DORN VA FLOOR PLAN
Schneider Electric	
DWG#	27799512-070-01
PG	05 OF 16
REV	--

REV	DESCRIPTION	BY	DATE										
-	-	-	-	-	-	-	-	-	-	-	-	-	-



BUILDING 100, PENTHOUSE FLOOR PLAN
WM. JENNINGS BRYAN DORN VA MEDICAL CENTER



BUILDING 100, ROOM LB153 FLOOR PLAN
WM. JENNINGS BRYAN DORN VA MEDICAL CENTER



© SCHNEIDER ELECTRIC USA, INC.
THIS DRAWING AND/OR SPECIFICATIONS CONTAINS INFORMATION PROPRIETARY TO SCHNEIDER ELECTRIC, IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSE FOR WHICH IT IS FURNISHED. SCHNEIDER ELECTRIC OWNS ALL COPYRIGHT, DESIGN AND INVENTION RIGHTS FOR THE DATA AND/OR MATERIAL DISCLOSED HEREIN. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SCHNEIDER ELECTRIC.

SCHNEIDER ELECTRIC USA, INC.	
CHECKED BY:	ALAN WATSON
CHECKED DATE:	MARCH 21, 2011
PLANT LOCATION:	P48 (ENG SVCS - PROJECTS)

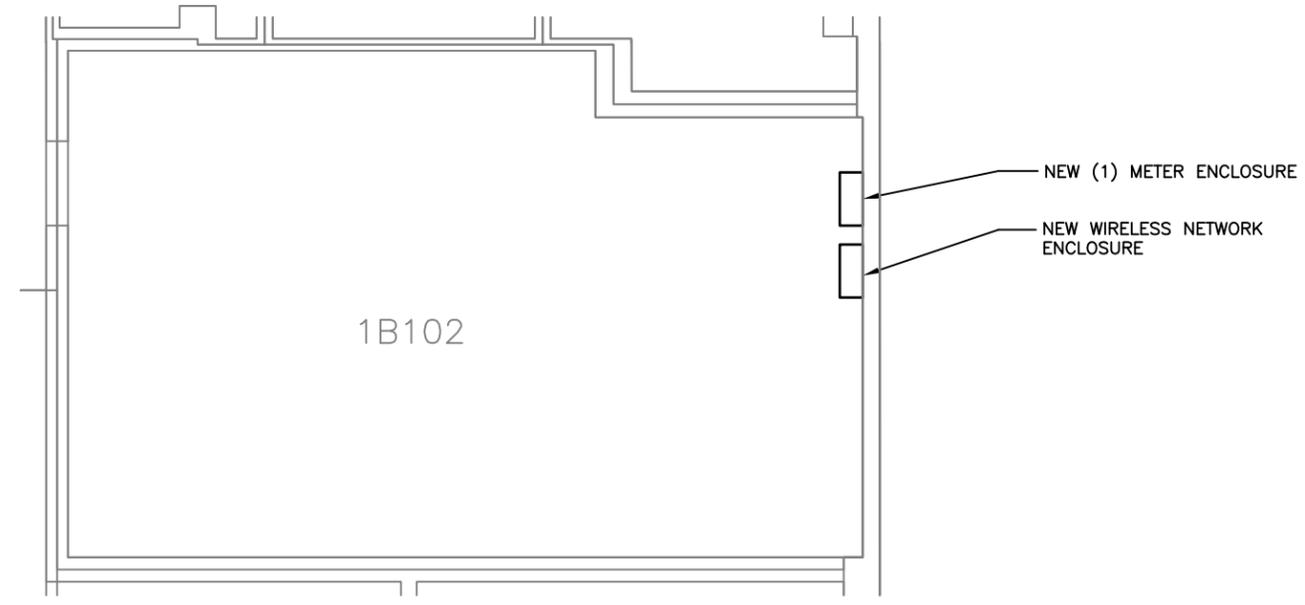
JOB NAME:	WM. JENNINGS BRYAN DORN VA MEDICAL CENTER
JOB LOCATION:	COLUMBIA, SOUTH CAROLINA
DRAWN BY:	DONALD FREITAS
ENGR:	FAUSTO ZAMUDIO
DATE:	MARCH 21, 2011
DRAWING STATUS:	AS-BUILT

EQUIPMENT DESIGNATION:	BUILDING 100
EQUIPMENT TYPE:	VISN 7
DRAWING TYPE:	WM. JENNINGS BRYAN DORN VA FLOOR PLAN
Schneider Electric	
DWG#	27799512-070-01
PG	06 OF 16
REV	-

REV	DESCRIPTION	BY	DATE						
-	----	--	---/---/---	-	----	--	---/---/---	-	----



BUILDING 103 FLOOR PLAN
WM. JENNINGS BRYAN DORN VA MEDICAL CENTER



ROOM 1B-102 FLOOR PLAN
WM. JENNINGS BRYAN DORN VA MEDICAL CENTER

© SCHNEIDER ELECTRIC USA, INC.
THIS DRAWING AND/OR SPECIFICATIONS CONTAINS INFORMATION PROPRIETARY TO SCHNEIDER ELECTRIC, IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSE FOR WHICH IT IS FURNISHED. SCHNEIDER ELECTRIC OWNS ALL COPYRIGHT, DESIGN AND INVENTION RIGHTS FOR THE DATA AND/OR MATERIAL DISCLOSED HEREIN. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SCHNEIDER ELECTRIC.

SCHNEIDER ELECTRIC USA, INC.	
CHECKED BY:	ALAN WATSON
CHECKED DATE:	MARCH 21, 2011
PLANT LOCATION:	P48 (ENG SVCS - PROJECTS)

JOB NAME:	WM. JENNINGS BRYAN DORN VA MEDICAL CENTER
JOB LOCATION:	COLUMBIA, SOUTH CAROLINA
DRAWN BY:	DONALD FREITAS
ENGR:	FAUSTO ZAMUDIO
DATE:	MARCH 21, 2011
DRAWING STATUS:	AS-BUILT

EQUIPMENT DESIGNATION:	BUILDING 103
EQUIPMENT TYPE:	VISN 7
DRAWING TYPE:	WM. JENNINGS BRYAN DORN VA FLOOR PLAN
Schneider Electric	
DWG#	27799512-070-01
PG	07 OF 16
REV	--

REV	DESCRIPTION	BY	DATE								
-	----	--	---/---/---	-	----	--	---/---/---	-	----	--	---/---/---



BUILDING 106, ROOM E107D FLOOR PLAN
WM. JENNINGS BRYAN DORN VA MEDICAL CENTER

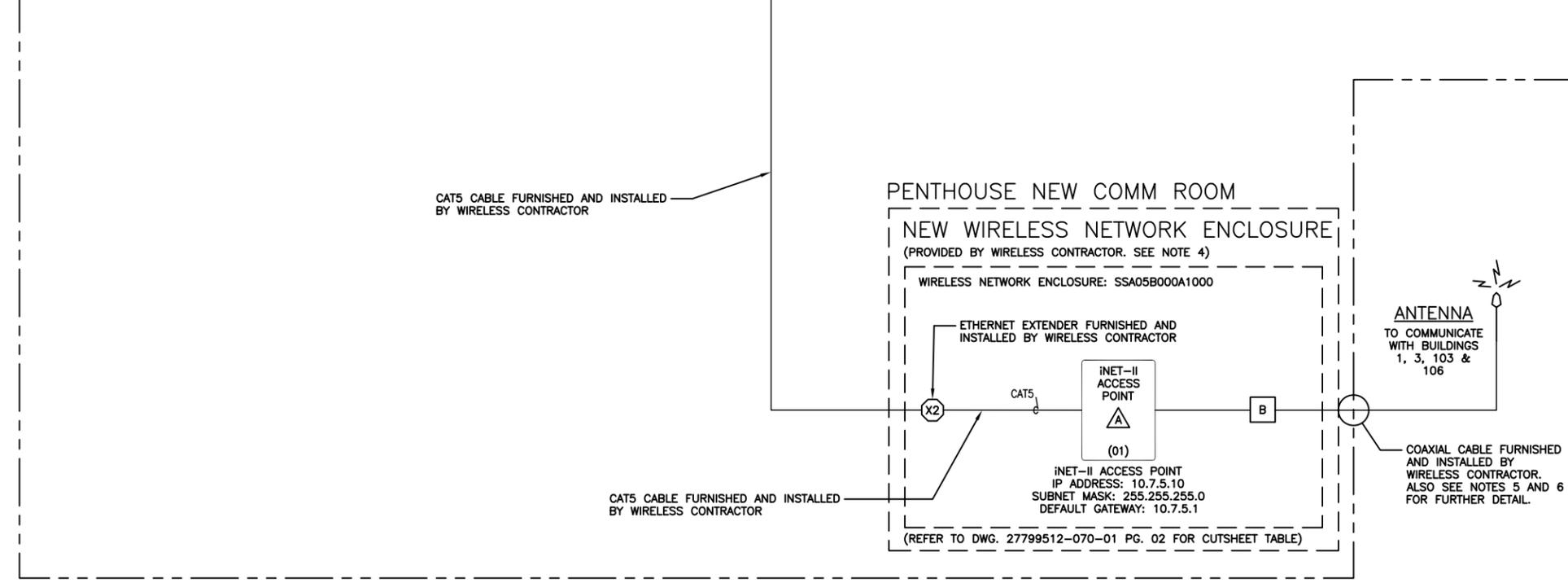
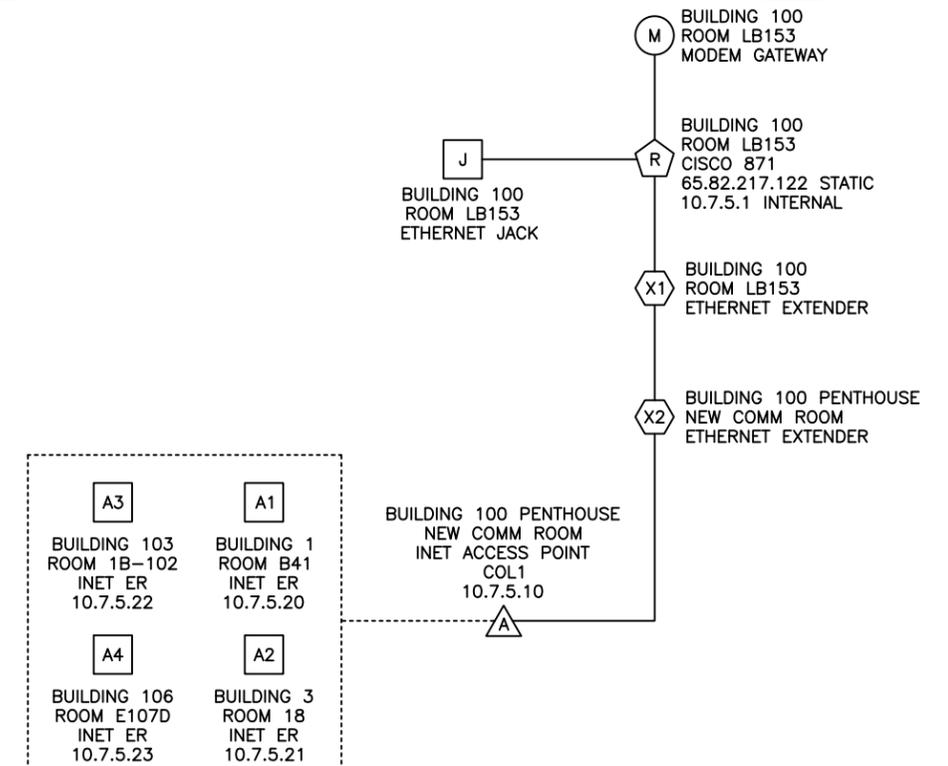
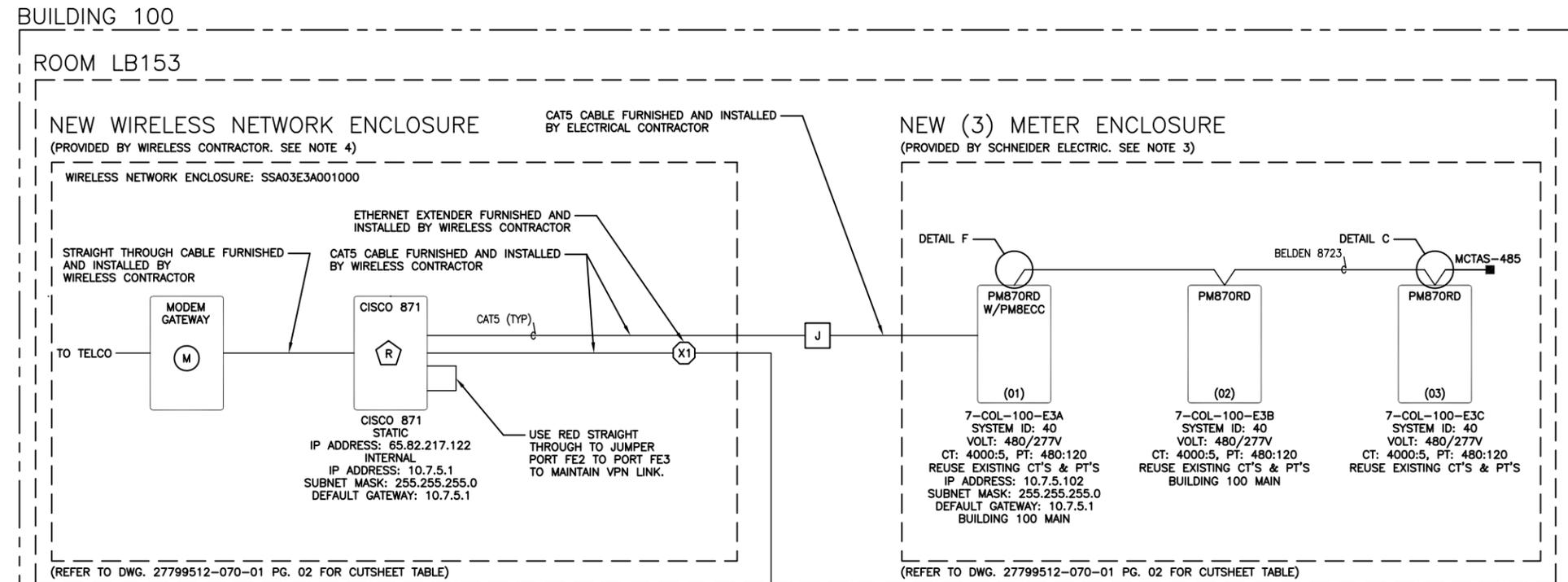
© SCHNEIDER ELECTRIC USA, INC.
THIS DRAWING AND/OR SPECIFICATIONS CONTAINS INFORMATION PROPRIETARY TO SCHNEIDER ELECTRIC, IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSE FOR WHICH IT IS FURNISHED. SCHNEIDER ELECTRIC OWNS ALL COPYRIGHT, DESIGN AND INVENTION RIGHTS FOR THE DATA AND/OR MATERIAL DISCLOSED HEREIN. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SCHNEIDER ELECTRIC.

SCHNEIDER ELECTRIC USA, INC.	
CHECKED BY:	ALAN WATSON
CHECKED DATE:	MARCH 21, 2011
PLANT LOCATION:	P48 (ENG SVCS - PROJECTS)

JOB NAME:	WM. JENNINGS BRYAN DORN VA MEDICAL CENTER
JOB LOCATION:	COLUMBIA, SOUTH CAROLINA
DRAWN BY:	DONALD FREITAS
ENGR:	FAUSTO ZAMUDIO
DATE:	MARCH 21, 2011
DRAWING STATUS:	AS-BUILT

EQUIPMENT DESIGNATION:	BUILDING 106
EQUIPMENT TYPE:	VISN 7
DRAWING TYPE:	WM. JENNINGS BRYAN DORN VA FLOOR PLAN
DWG#	27799512-070-01
PG	08
OF	16
REV	--

REV	DESCRIPTION	BY	DATE						
-	-	-	-	-	-	-	-	-	-



WIRELESS LEGEND

(M) MODEM	(J) ETHERNET JACK/DROP
(R) ROUTER	(A) RADIO ACCESS FPOINT
(X) ETHERNET EXTENDER	(A1) RADIO REMOTE
(X) FIBER TRANSCEIVER	(B) BULKHEAD LIGHTNING ARRESTER

- NOTES:**
- ELECTRICAL EQUIPMENT SHALL BE INSTALLED, OPERATED, SERVICED, AND MAINTAINED ONLY BY QUALIFIED PERSONNEL.
 - ALL DETAILS LISTED HEREIN ARE FOR GENERAL REFERENCE ONLY AND SHALL BE USED ACCORDINGLY. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL AND NEC CODES. REFER TO PROVIDED SQUARE D POWERLOGIC FACTORY ASSEMBLED ENCLOSURES INSTRUCTION BULLETIN 63230-020-59 A1 FOR ADDITIONAL DETAILS, PERTAINING TO THE METER ENCLOSURE INSTALLATION.
 - ALL ENCLOSURES PROVIDED BY SCHNEIDER ELECTRIC THAT WILL HOUSE REMOTE RADIOS PROVIDED BY THE WIRELESS CONTRACTOR WILL BE EQUIPPED WITH INTEGRATED LIGHTNING ARRESTORS INSTALLED. 24VDC CONTROL POWER WILL BE MADE AVAILABLE FOR POWERING.
 - ALL WIRELESS NETWORK ENCLOSURES AND ITS ASSOCIATED CONTENTS, COAX CABLES/HARDWARE, ETHERNET JACKS, ANTENNAS, AND ALL OTHER MISCELLANEOUS HARDWARE NEEDED TO COMPLETE THE INSTALLATION OF THE WIRELESS SYSTEM IS THE RESPONSIBILITY OF THE WIRELESS CONTRACTOR AS DIRECTED BY SCHNEIDER ELECTRIC.
 - ALL OUTDOOR COAX TERMINATIONS SHALL BE MADE WITH A SELF HEALING WEATHERPROOF TAPE SUCH AS 3M SCOTCH 2228 OR EQUAL.
 - COAX CABLE MUST BE GROUNDED TO A PERMANENT SYSTEM GROUND.

NETWORK DIAGRAM
WM. JENNINGS BRYAN DORN VA MEDICAL CENTER

© SCHNEIDER ELECTRIC USA, INC.
THIS DRAWING AND/OR SPECIFICATIONS CONTAINS INFORMATION PROPRIETARY TO SCHNEIDER ELECTRIC, IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSE FOR WHICH IT IS FURNISHED. SCHNEIDER ELECTRIC OWNS ALL COPYRIGHT, DESIGN AND INVENTION RIGHTS FOR THE DATA AND/OR MATERIAL DISCLOSED HEREIN. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SCHNEIDER ELECTRIC.

SCHNEIDER ELECTRIC USA, INC.

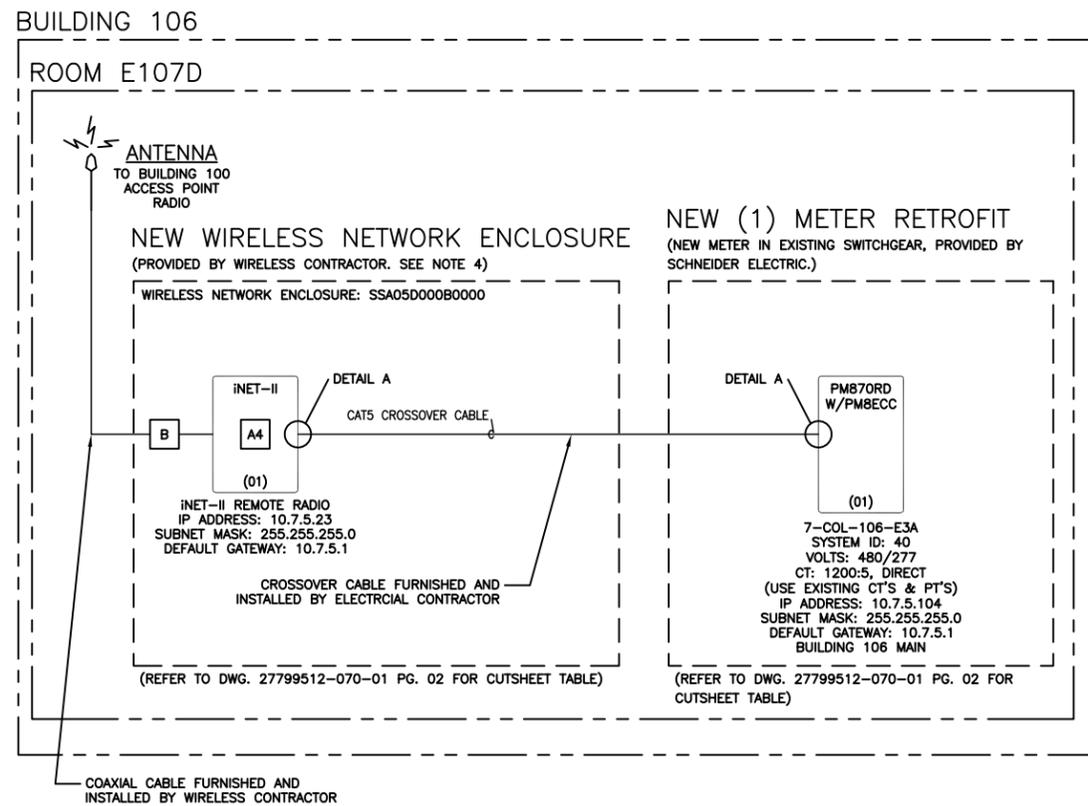
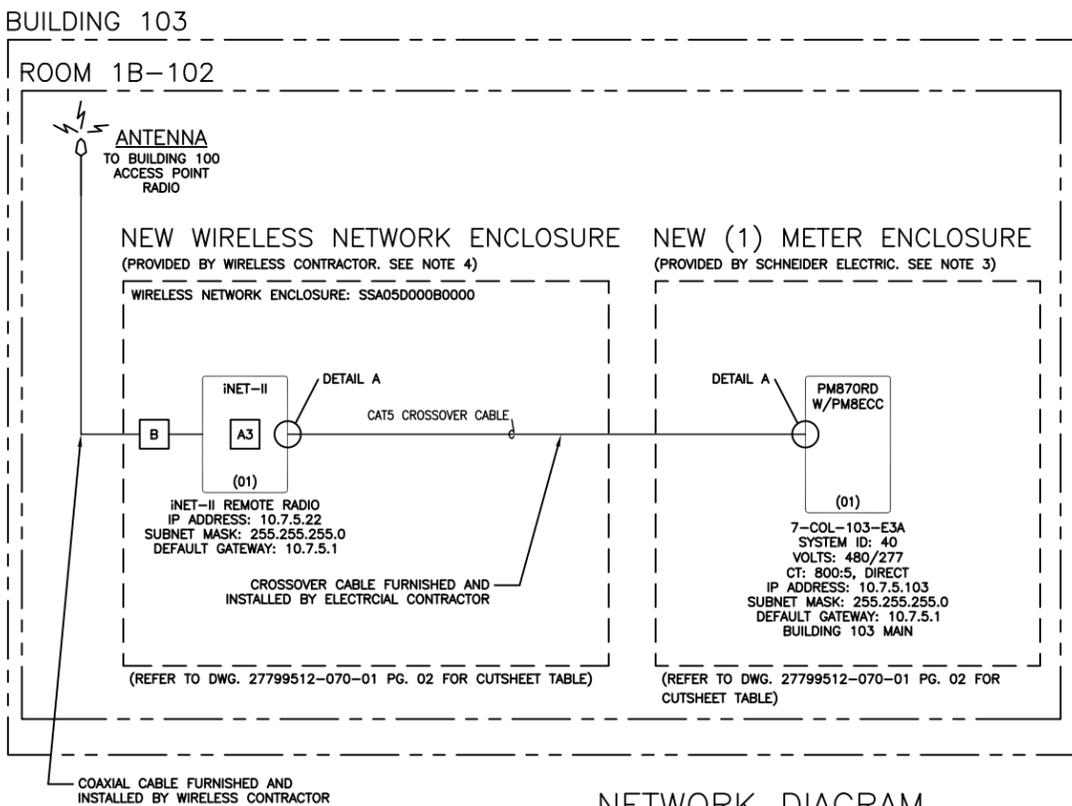
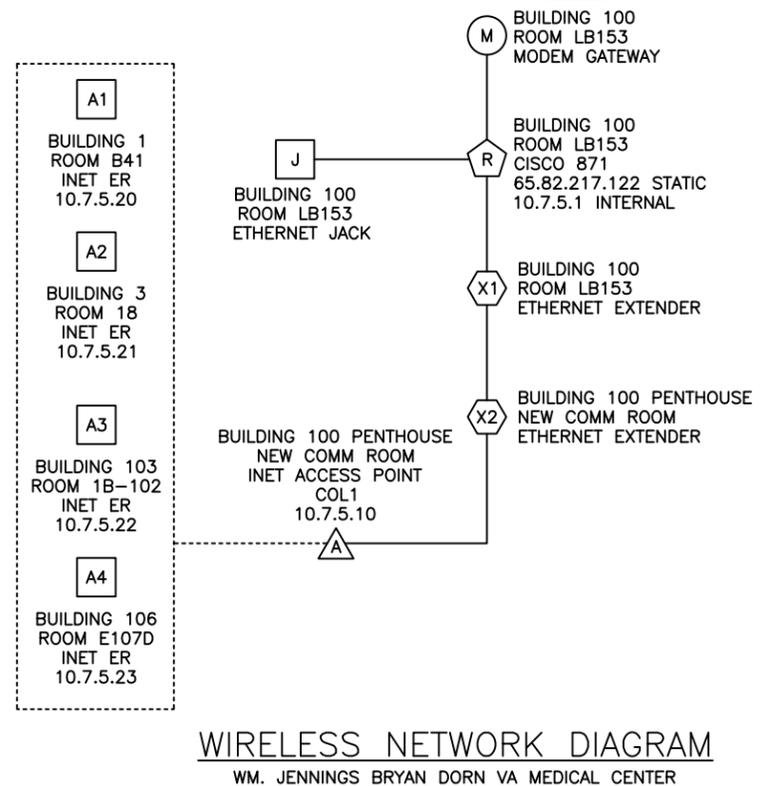
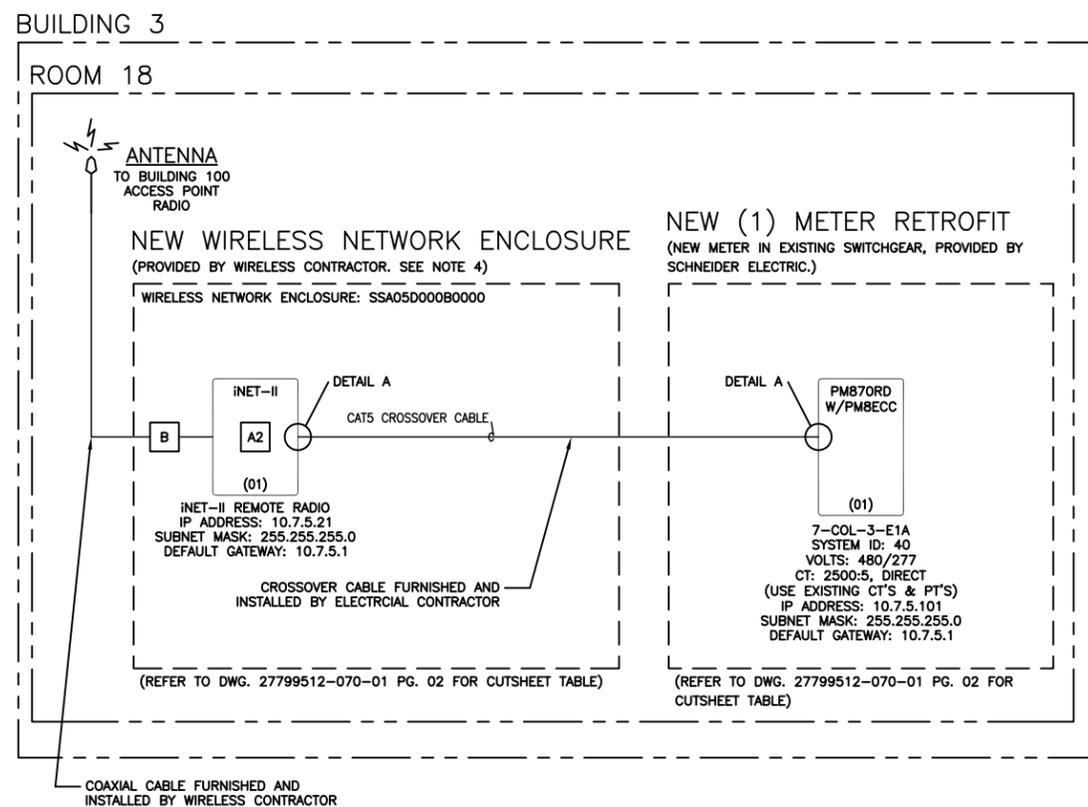
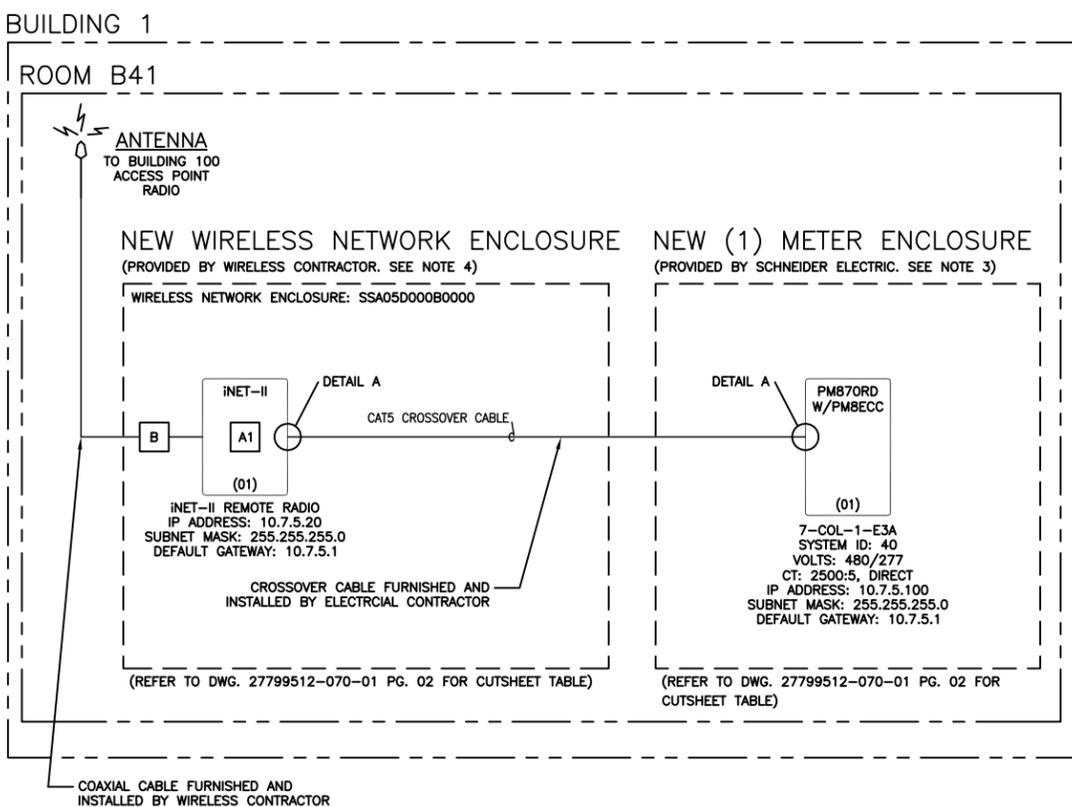
CHECKED BY:	ALAN WATSON
CHECKED DATE:	MARCH 21, 2011
PLANT LOCATION:	P48 (ENG SVCS - PROJECTS)

JOB NAME:	WM. JENNINGS BRYAN DORN VA MEDICAL CENTER
JOB LOCATION:	COLUMBIA, SOUTH CAROLINA
DRAWN BY:	DONALD FREITAS
ENGR:	FAUSTO ZAMUDIO
DATE:	MARCH 21, 2011
DRAWING STATUS:	AS-BUILT

EQUIPMENT DESIGNATION:	BUILDING 100
EQUIPMENT TYPE:	VISN 7
DRAWING TYPE:	WM. JENNINGS BRYAN DORN VA NETWORK DIAGRAM
DWG#	27799512-070-CM
PG	09
OF	16
REV	-

Schneider Electric

REV	DESCRIPTION	BY	DATE						
-	-	-	-	-	-	-	-	-	-



NETWORK DIAGRAM
WM. JENNINGS BRYAN DORN VA MEDICAL CENTER

- NOTES:**
- ELECTRICAL EQUIPMENT SHALL BE INSTALLED, OPERATED, SERVICED, AND MAINTAINED ONLY BY QUALIFIED PERSONNEL.
 - ALL DETAILS LISTED HEREIN ARE FOR GENERAL REFERENCE ONLY AND SHALL BE USED ACCORDINGLY. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL AND NEC CODES. REFER TO PROVIDED SQUARE D POWERLOGIC FACTORY ASSEMBLED ENCLOSURES INSTRUCTION BULLETIN 63230-020-59 A1 FOR ADDITIONAL DETAILS, PERTAINING TO THE METER ENCLOSURE INSTALLATION.
 - ALL ENCLOSURES PROVIDED BY SCHNEIDER ELECTRIC THAT WILL HOUSE REMOTE RADIOS PROVIDED BY THE WIRELESS CONTRACTOR WILL BE EQUIPPED WITH INTEGRATED LIGHTNING ARRESTORS INSTALLED. 24VDC CONTROL POWER WILL BE MADE AVAILABLE FOR POWERING.
 - ALL WIRELESS NETWORK ENCLOSURES AND ITS ASSOCIATED CONTENTS, COAX CABLES/HARDWARE, ETHERNET JACKS, ANTENNAS, AND ALL OTHER MISCELLANEOUS HARDWARE NEEDED TO COMPLETE THE INSTALLATION OF THE WIRELESS SYSTEM IS THE RESPONSIBILITY OF THE WIRELESS CONTRACTOR AS DIRECTED BY SCHNEIDER ELECTRIC.
 - ALL OUTDOOR COAX TERMINATIONS SHALL BE MADE WITH A SELF HEALING WEATHERPROOF TAPE SUCH AS 3M SCOTCH 2228 OR EQUAL.
 - COAX CABLE MUST BE GROUNDED TO A PERMANENT SYSTEM GROUND.

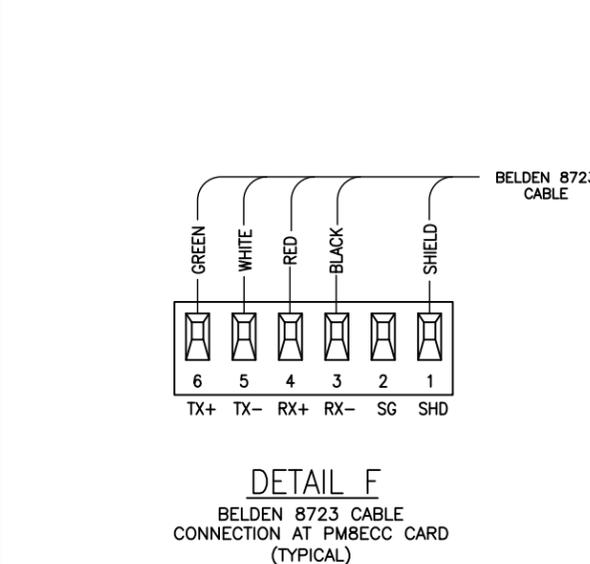
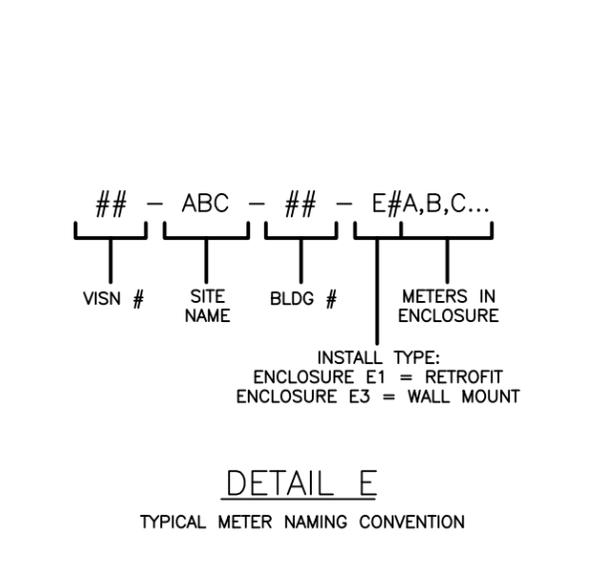
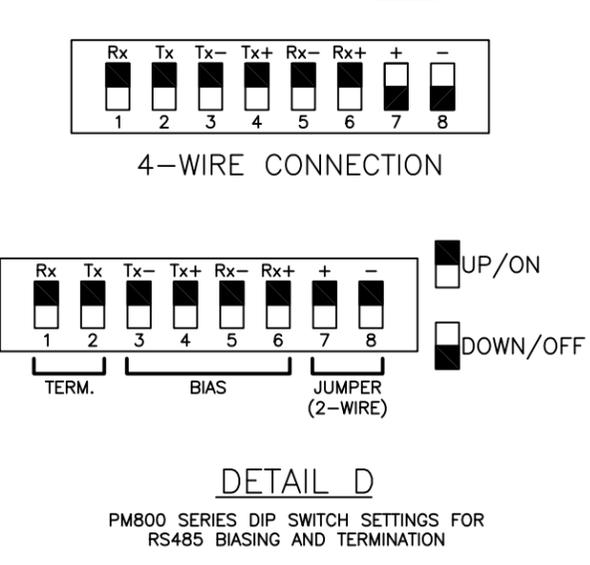
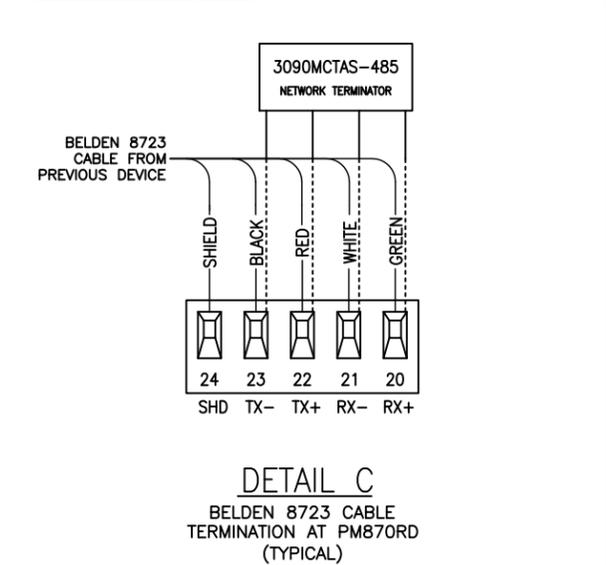
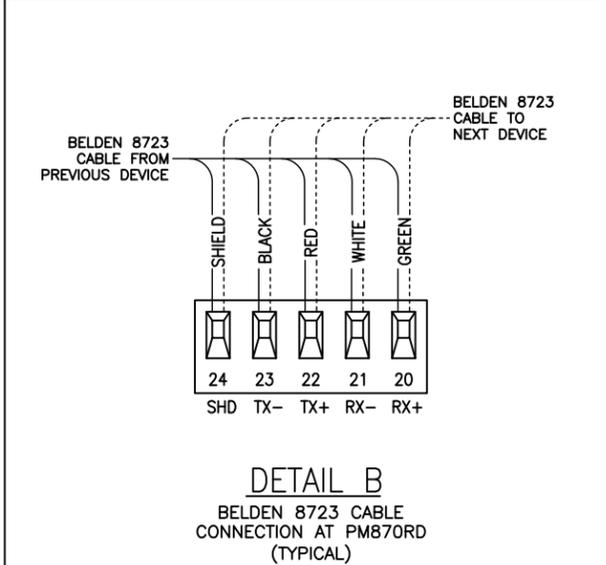
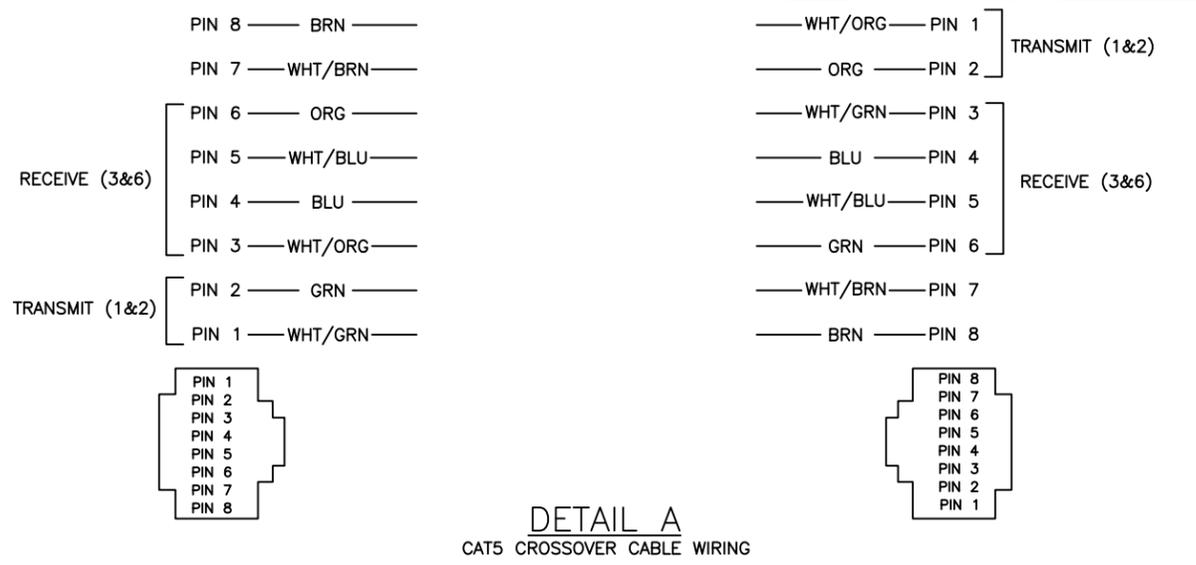
© SCHNEIDER ELECTRIC USA, INC.
THIS DRAWING AND/OR SPECIFICATIONS CONTAINS INFORMATION PROPRIETARY TO SCHNEIDER ELECTRIC, IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSE FOR WHICH IT IS FURNISHED. SCHNEIDER ELECTRIC OWNS ALL COPYRIGHT, DESIGN AND INVENTION RIGHTS FOR THE DATA AND/OR MATERIAL DISCLOSED HEREIN. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SCHNEIDER ELECTRIC.

SCHNEIDER ELECTRIC USA, INC.		JOB NAME:	WM. JENNINGS BRYAN DORN VA MEDICAL CENTER
CHECKED BY: ALAN WATSON		JOB LOCATION:	COLUMBIA, SOUTH CAROLINA
CHECKED DATE: MARCH 21, 2011		DRAWN BY:	DONALD FREITAS
PLANT LOCATION: P48 (ENG SVCS - PROJECTS)		ENGR:	FAUSTO ZAMUDIO
		DATE:	MARCH 21, 2011
		DRAWING STATUS:	AS-BUILT

EQUIPMENT DESIGNATION:	BUILDINGS 1, 3, 103 & 106
EQUIPMENT TYPE:	VISN 7
DRAWING TYPE:	WM. JENNINGS BRYAN DORN VA NETWORK DIAGRAM
DWG#	27799512-070-CM
PG	10 OF 16
REV	-



REV	DESCRIPTION	BY	DATE						
-	-	-	-	-	-	-	-	-	-



© SCHNEIDER ELECTRIC USA, INC.
 THIS DRAWING AND/OR SPECIFICATIONS CONTAINS INFORMATION PROPRIETARY TO SCHNEIDER ELECTRIC, IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSE FOR WHICH IT IS FURNISHED. SCHNEIDER ELECTRIC OWNS ALL COPYRIGHT, DESIGN AND INVENTION RIGHTS FOR THE DATA AND/OR MATERIAL DISCLOSED HEREIN. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SCHNEIDER ELECTRIC.

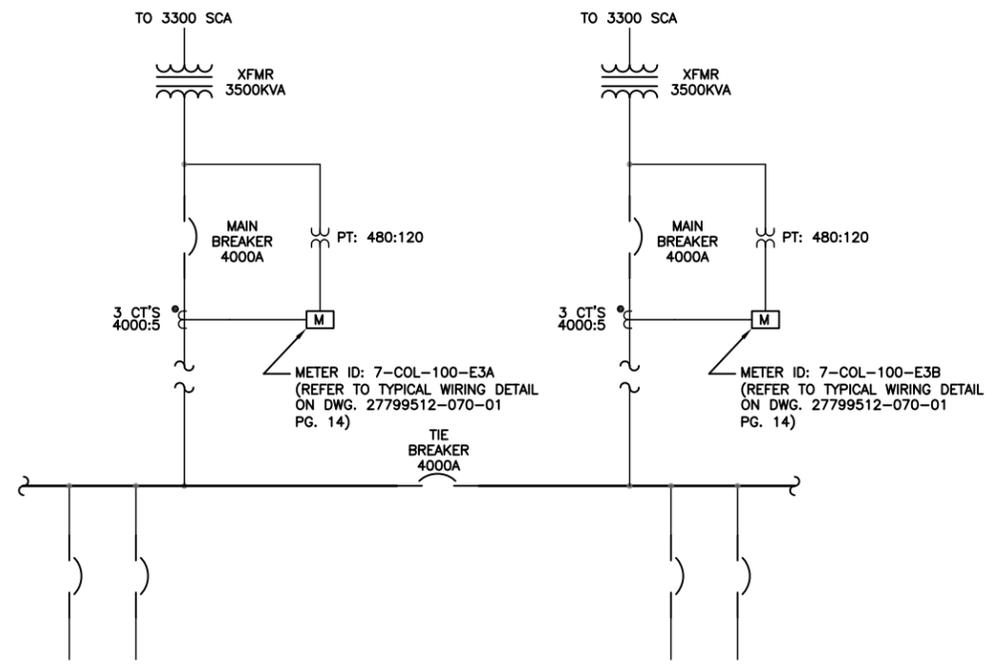
SCHNEIDER ELECTRIC USA, INC.	
CHECKED BY:	ALAN WATSON
CHECKED DATE:	MARCH 21, 2011
PLANT LOCATION:	P48 (ENG SVCS - PROJECTS)

JOB NAME:	WM. JENNINGS BRYAN DORN VA MEDICAL CENTER
JOB LOCATION:	COLUMBIA, SOUTH CAROLINA
DRAWN BY:	DONALD FREITAS
ENGR:	FAUSTO ZAMUDIO
DATE:	MARCH 21, 2011
DRAWING STATUS:	AS-BUILT

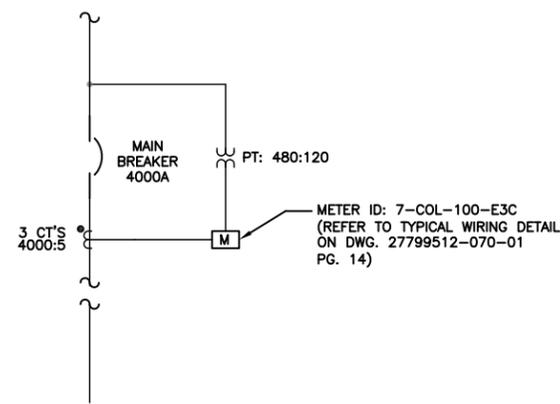
EQUIPMENT DESIGNATION:	-
EQUIPMENT TYPE:	VISN 7
DRAWING TYPE:	WM. JENNINGS BRYAN DORN VA NETWORK DETAILS
DWG#	27799512-070-CM
PG	11
OF	16
REV	-



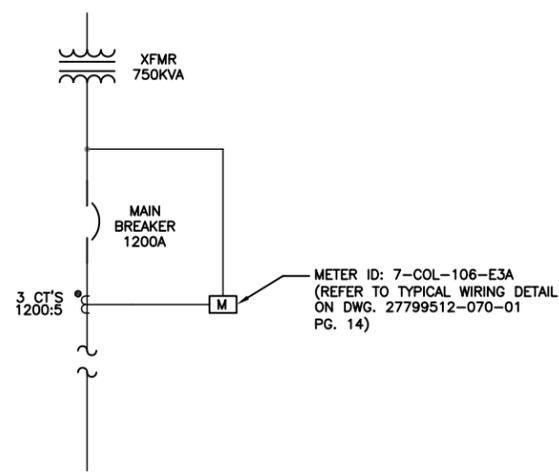
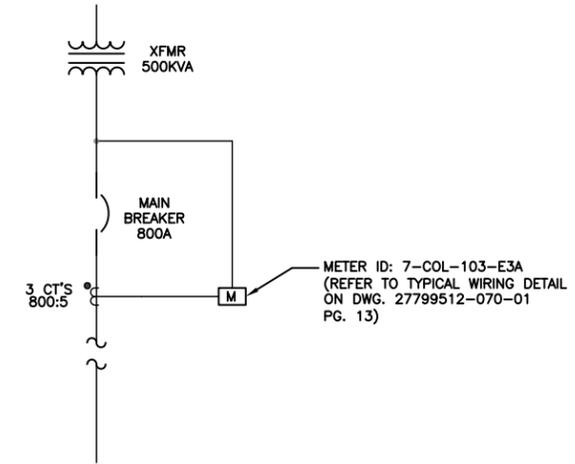
REV	DESCRIPTION	BY	DATE						
-	----	--	---/---/---	-	----	--	---/---/---	-	----



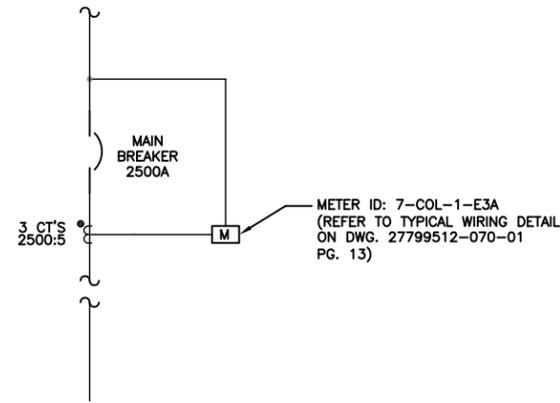
BUILDING 100, ROOM LB153 PARTIAL ONE-LINE
WM. JENNINGS BRYON DORN VA



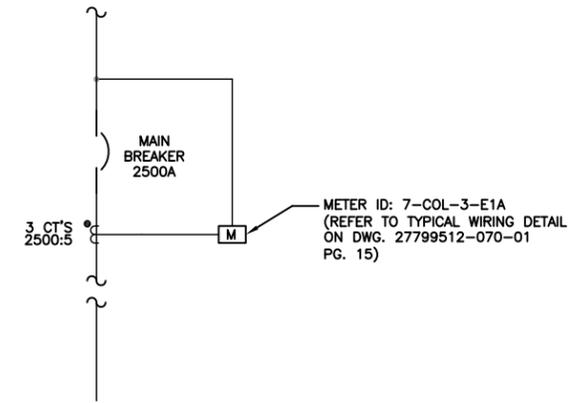
BUILDING 103, ROOM 1B-102
PARTIAL ONE-LINE
WM. JENNINGS BRYON DORN VA



BUILDING 106, ROOM E107D
PARTIAL ONE-LINE
WM. JENNINGS BRYON DORN VA



BUILDING 1 ROOM B41
PARTIAL ONE-LINE
WM. JENNINGS BRYON DORN VA



BUILDING 3, ROOM 18
PARTIAL ONE-LINE
WM. JENNINGS BRYON DORN VA

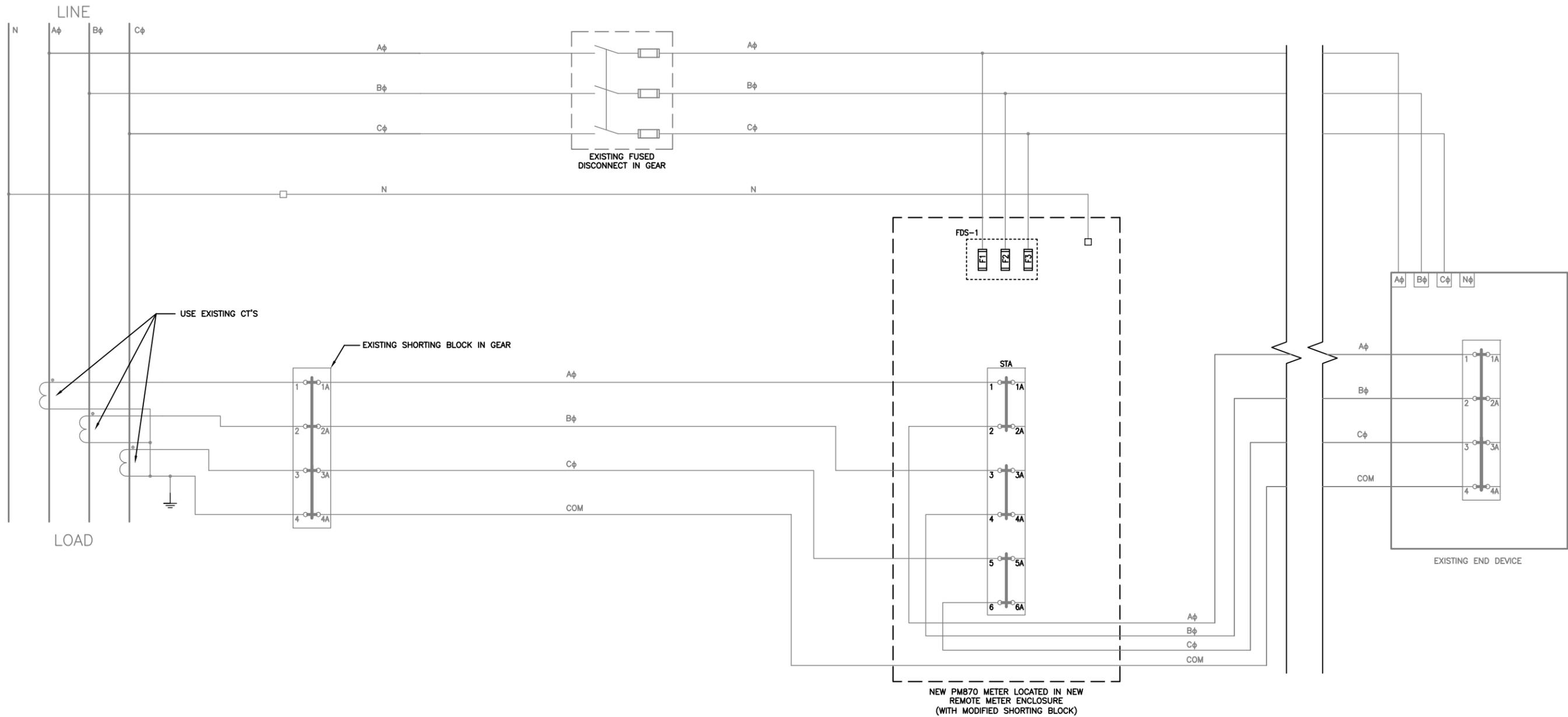
© SCHNEIDER ELECTRIC USA, INC.
THIS DRAWING AND/OR SPECIFICATIONS CONTAINS INFORMATION PROPRIETARY TO SCHNEIDER ELECTRIC, IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSE FOR WHICH IT IS FURNISHED. SCHNEIDER ELECTRIC OWNS ALL COPYRIGHT, DESIGN AND INVENTION RIGHTS FOR THE DATA AND/OR MATERIAL DISCLOSED HEREIN. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SCHNEIDER ELECTRIC.

SCHNEIDER ELECTRIC USA, INC.	
CHECKED BY:	ALAN WATSON
CHECKED DATE:	MARCH 21, 2011
PLANT LOCATION:	P48 (ENG SVCS - PROJECTS)

JOB NAME:	WM. JENNINGS BRYAN DORN VA MEDICAL CENTER
JOB LOCATION:	COLUMBIA, SOUTH CAROLINA
DRAWN BY:	DONALD FREITAS
ENGR:	FAUSTO ZAMUDIO
DATE:	MARCH 21, 2011
DRAWING STATUS:	AS-BUILT

EQUIPMENT DESIGNATION:	-
EQUIPMENT TYPE:	VISN 7
DRAWING TYPE:	WM. JENNINGS BRYAN DORN VA PARTIAL ONE-LINE
Schneider Electric	
DWG#	27799512-070-01
PG	12 OF 16
REV	-

REV	DESCRIPTION	BY	DATE						
-	----	--	---/---/---	-	----	--	---/---/---	-	----



NOTES:

- REFERENCE DRAWING PACKAGE: 9761E0870R1C3B1C-SPL3 FOR DETAILS FOR METER ENCLOSURES: 7-COL-106-E3A, 7-COL-100-E3A,
- REFERENCE DRAWING PACKAGE: 9761E0870R3B1B1C1-SPL1 FOR DETAILS FOR METER ENCLOSURES: 7-COL-100-E3A, 7-COL-100-E3B, 7-COL-100-E3C.

NEW ELECTRICAL METER INSTALLATION

TYPICAL FOR METERS: 7-COL-106-E3A, 7-COL-100-E3A,
7-COL-100-E3B, 7-COL-100-E3C

NOTES:

1. ELECTRICAL EQUIPMENT SHALL BE INSTALLED, OPERATED, SERVICED, AND MAINTAINED ONLY BY QUALIFIED PERSONNEL.
2. ALL DETAILS LISTED HEREIN ARE FOR GENERAL REFERENCE ONLY AND SHALL BE USED ACCORDINGLY. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL AND NEC CODES. REFER TO PROVIDED SQUARE D POWERLOGIC FACTORY ASSEMBLED ENCLOSURES INSTRUCTION BULLETIN 63230-020-59 A1 FOR ADDITIONAL DETAILS.
3. ALL VOLTAGE CIRCUITS SHALL MEET OR EXCEED THE FOLLOWING SPECIFICATION. 14AWG STRANDED COPPER 90° C 600 VOLT MTW OR EQUIVALENT.
4. ALL CURRENT CIRCUITS SHALL MEET OR EXCEED THE FOLLOWING SPECIFICATION. 12AWG STRANDED COPPER 90° C 600 VOLT MTW OR EQUIVALENT.
5. TO INSURE MAXIMUM ACCURACY MONITORING EQUIPMENT SHALL BE INSTALLED AS CLOSE TO THE SOURCE AS POSSIBLE. VOLTAGE AND CURRENT CIRCUITS SHALL NOT EXCEED ONE HUNDRED FEET IN DISTANCE.

© SCHNEIDER ELECTRIC USA, INC.
THIS DRAWING AND/OR SPECIFICATIONS CONTAINS INFORMATION PROPRIETARY TO SCHNEIDER ELECTRIC, IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSE FOR WHICH IT IS FURNISHED. SCHNEIDER ELECTRIC OWNS ALL COPYRIGHT, DESIGN AND INVENTION RIGHTS FOR THE DATA AND/OR MATERIAL DISCLOSED HEREIN. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SCHNEIDER ELECTRIC.

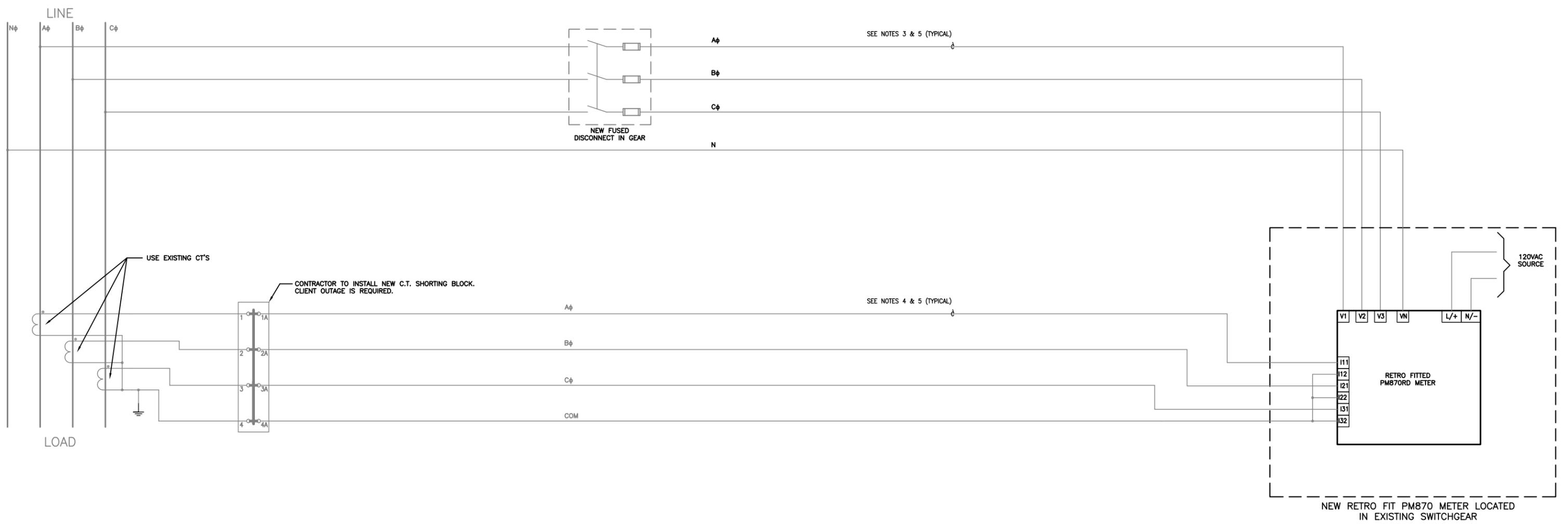
SCHNEIDER ELECTRIC USA, INC.	
CHECKED BY:	ALAN WATSON
CHECKED DATE:	MARCH 21, 2011
PLANT LOCATION:	P48 (ENG SVCS - PROJECTS)

JOB NAME:	WM. JENNINGS BRYAN DORN VA MEDICAL CENTER
JOB LOCATION:	COLUMBIA, SOUTH CAROLINA
DRAWN BY:	DONALD FREITAS
ENGR:	FAUSTO ZAMUDIO
DATE:	MARCH 21, 2011
DRAWING STATUS:	AS-BUILT

EQUIPMENT DESIGNATION:	TYPICAL NEW METER ENCLOSURE (SYSTEM ID 40)
EQUIPMENT TYPE:	VISN 7
DRAWING TYPE:	WM. JENNINGS BRYAN DORN VA WIRING SCHEMATIC
DWG#	27799512-070-01
PG	14 OF 16
REV	-



REV	DESCRIPTION	BY	DATE						
-	----	--	---/---/---	-	----	--	---/---/---	-	----



NOTES:

- REFERENCE DRAWING 27799512-070-01 PG. 17 FOR DETAILS FOR METER ENCLOSURES: 7-COL-3-E1A.

NOTES:

1. ELECTRICAL EQUIPMENT SHALL BE INSTALLED, OPERATED, SERVICED, AND MAINTAINED ONLY BY QUALIFIED PERSONNEL.
2. ALL DETAILS LISTED HEREIN ARE FOR GENERAL REFERENCE ONLY AND SHALL BE USED ACCORDINGLY. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL AND NEC CODES. REFER TO PROVIDED SQUARE D POWERLOGIC FACTORY ASSEMBLED ENCLOSURES INSTRUCTION BULLETIN 63230-020-59 A1 FOR ADDITIONAL DETAILS.
3. ALL VOLTAGE CIRCUITS SHALL MEET OR EXCEED THE FOLLOWING SPECIFICATION. 14AWG STRANDED COPPER 90° C 600 VOLT MTW OR EQUIVALENT.
4. ALL CURRENT CIRCUITS SHALL MEET OR EXCEED THE FOLLOWING SPECIFICATION. 12AWG STRANDED COPPER 90° C 600 VOLT MTW OR EQUIVALENT.
5. TO INSURE MAXIMUM ACCURACY MONITORING EQUIPMENT SHALL BE INSTALLED AS CLOSE TO THE SOURCE AS POSSIBLE. VOLTAGE AND CURRENT CIRCUITS SHALL NOT EXCEED ONE HUNDRED FEET IN DISTANCE.

RETROFIT ELECTRICAL METER INSTALLATION

TYPICAL FOR METER: 7-COL-3-E1A

© SCHNEIDER ELECTRIC USA, INC.
 THIS DRAWING AND/OR SPECIFICATIONS CONTAINS INFORMATION PROPRIETARY TO SCHNEIDER ELECTRIC, IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSE FOR WHICH IT IS FURNISHED. SCHNEIDER ELECTRIC OWNS ALL COPYRIGHT, DESIGN AND INVENTION RIGHTS FOR THE DATA AND/OR MATERIAL DISCLOSED HEREIN. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SCHNEIDER ELECTRIC.

SCHNEIDER ELECTRIC USA, INC.	
CHECKED BY:	ALAN WATSON
CHECKED DATE:	MARCH 21, 2011
PLANT LOCATION:	P48 (ENG SVCS - PROJECTS)

JOB NAME:	WM. JENNINGS BRYAN DORN VA MEDICAL CENTER
JOB LOCATION:	COLUMBIA, SOUTH CAROLINA
DRAWN BY:	DONALD FREITAS
ENGR:	FAUSTO ZAMUDIO
DATE:	MARCH 21, 2011
DRAWING STATUS:	AS-BUILT

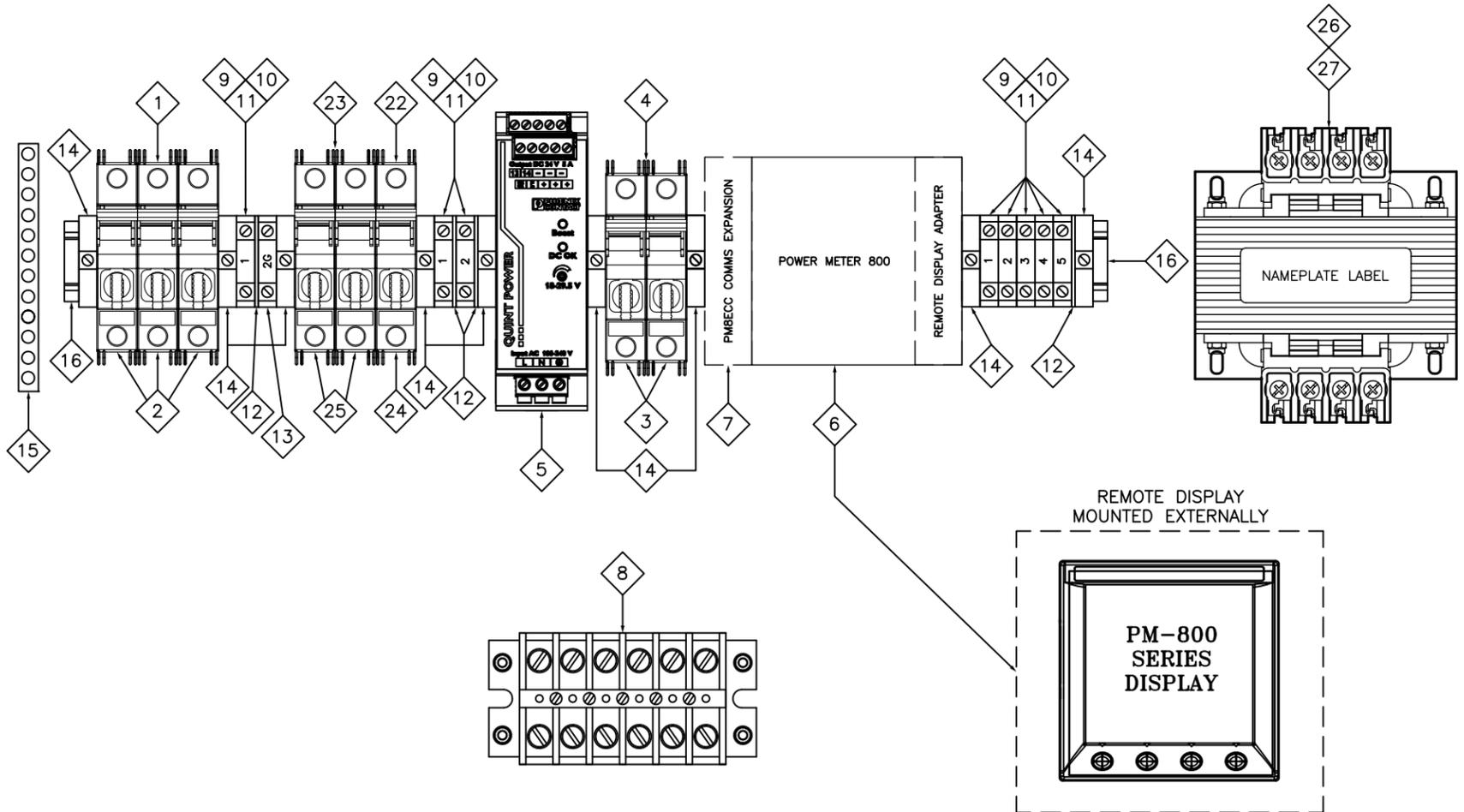
EQUIPMENT DESIGNATION:	TYPICAL NEW METER RETROFIT (SYSTEM ID 40)
EQUIPMENT TYPE:	VISN 7
DRAWING TYPE:	WM. JENNINGS BRYAN DORN VA WIRING SCHEMATIC
DWG#	27799512-070-01
PG	15
OF	16
REV	--



REV	DESCRIPTION	BY	DATE	-	----	--	---/---/---	-	----	--	---/---/---
-	----	--	---/---/---	-	----	--	---/---/---	-	----	--	---/---/---

QTY	MANUFACTURER	PART NUMBER	DESCRIPTION
1	BUSSMANN	CCP-3-30CC	LOAD BREAK 3-POLE - FUSIBLE DISCONNECT SWITCH - 600VAC 200KA SCCR
3	BUSSMANN (OR-EQUAL)	FNQ-R-5	5-AMP CLASS CC REJECTION TYPE FUSE (MAIN DISCONNECT)
2	BUSSMANN	CCP-1-DCC	1-POLE - FUSIBLE DISCONNECT SWITCH - FOR DC CC CLASS REJECTION FUSES
2	BUSSMANN (OR-EQUAL)	LP-CC-4	4-AMP CLASS CC REJECTION TYPE FUSE DC VOLTAGE
1	PHOENIX CONTACT	2B66750	DC POWER SUPPLY 24VDC 5A
1	POWERLOGIC	PM870RD	PM870 REMOTE DISPLAY METER
1	POWERLOGIC	PM8ECC	PM800 SERIES ETHERNET COMMS MODULE
1	FLEX-CORE	IKU6SC	6-POLE SCREW TYPE SHORTING BLOCK WITH COVER
8	SCHNEIDER ELECTRIC	AB1CA6	SINGLE TIER TERMINAL BLOCK SAFETY COVER
8	SCHNEIDER ELECTRIC	AB1V635U	8mm SINGLE TIER GRAY - TERMINAL BLOCK
5	SCHNEIDER ELECTRIC	AB1BV8	8mm WHITE TERMINAL - LABELING CARD
4	SCHNEIDER ELECTRIC	AB1AC6	8mm SINGLE TIER GRAY - TERMINAL END COVER
1	SCHNEIDER ELECTRIC	AB1TP635U	SCREW CLAMP - GROUNDING TERMINAL
10	SCHNEIDER ELECTRIC	AB1AB8M35	METAL SCREW CLAMP - END STOP
1	SCHNEIDER ELECTRIC	PK12GTA	GROUND BAR KIT
AS REQ'D	INSTALLER	MISCELLANEOUS	35MM DIN-RAIL
AS REQ'D	INSTALLER	INSTALLER	CLASS 1 VOLTAGE CIRCUITS - 14AWG STRANDED COPPER 90° C 600VOLT MTW. BLACK, WHITE, GREEN
AS REQ'D	INSTALLER	INSTALLER	CLASS 2 VOLTAGE CIRCUITS - 14AWG OR 16AWG STRANDED COPPER 90° C 600VOLT MTW. BLUE & GREEN
AS REQ'D	INSTALLER	INSTALLER	CURRENT TRANSFORMER CIRCUITS - 12AWG STRANDED COPPER 90° C 600VOLT MTW. BLACK & GREEN
AS REQ'D	BELDEN	9842	4-WIRE RS-485 CABLE 24AWG TWISTED SHIELDED PAIR.
AS REQ'D	INSTALLER	MISCELLANEOUS	ENGRAVED NAMEPLATES, AVERY LABELS, & WIRE DUCT
1	BUSSMANN	CCP-1-30CC	LOAD BREAK 1-POLE - FUSIBLE DISCONNECT SWITCH - 600VAC 200KA SCCR
1	BUSSMANN	CCP-2-30CC	LOAD BREAK 2-POLE - FUSIBLE DISCONNECT SWITCH - 600VAC 200KA SCCR
1	BUSSMANN (OR-EQUAL)	FNQ-R-2	2-AMP CLASS CC REJECTION TYPE FUSE (250VA CPT SECONDARY)
2	BUSSMANN (OR-EQUAL)	FNQ-R-3/4	.75-AMP CLASS CC REJECTION TYPE FUSE (250VA CPT PRIMARY)
1	SCHNEIDER ELECTRIC	9070T250D32	CLASS 9070 T UNIVERSAL - 250VA CPT W/OUT FUSES
1	SCHNEIDER ELECTRIC	9070FSC2	TOUCH SAFE COVERS

SCHNEIDER ELECTRIC RESERVES THE RIGHT TO SUBSTITUTE PARTS AS REQUIRED. ALL SUBSTITUTIONS SHALL HAVE EQUIVALENT SPECIFICATIONS AND RATINGS.



© SCHNEIDER ELECTRIC USA, INC.
 THIS DRAWING AND/OR SPECIFICATIONS CONTAINS INFORMATION PROPRIETARY TO SCHNEIDER ELECTRIC, IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSE FOR WHICH IT IS FURNISHED. SCHNEIDER ELECTRIC OWNS ALL COPYRIGHT, DESIGN AND INVENTION RIGHTS FOR THE DATA AND/OR MATERIAL DISCLOSED HEREIN. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SCHNEIDER ELECTRIC.

SCHNEIDER ELECTRIC USA, INC.	
CHECKED BY:	ALAN WATSON
CHECKED DATE:	MARCH 21, 2011
PLANT LOCATION:	P48 (ENG SVCS - PROJECTS)

JOB NAME:	WM. JENNINGS BRYAN DORN VA MEDICAL CENTER
JOB LOCATION:	COLUMBIA, SOUTH CAROLINA
DRAWN BY:	DONALD FREITAS
ENGR:	FAUSTO ZAMUDIO
DATE:	MARCH 21, 2011
DRAWING STATUS:	AS-BUILT

EQUIPMENT DESIGNATION:	TYPICAL INSTALL COMPONENT MOUNTING
EQUIPMENT TYPE:	VISN 7
DRAWING TYPE:	WM. JENNINGS BRYAN DORN VA TYP. INSTALL COMP. MOUNTING
Schneider Electric	
DWG#	27799512-070-01
PG	16 OF 16
REV	-