

REAR VIEW

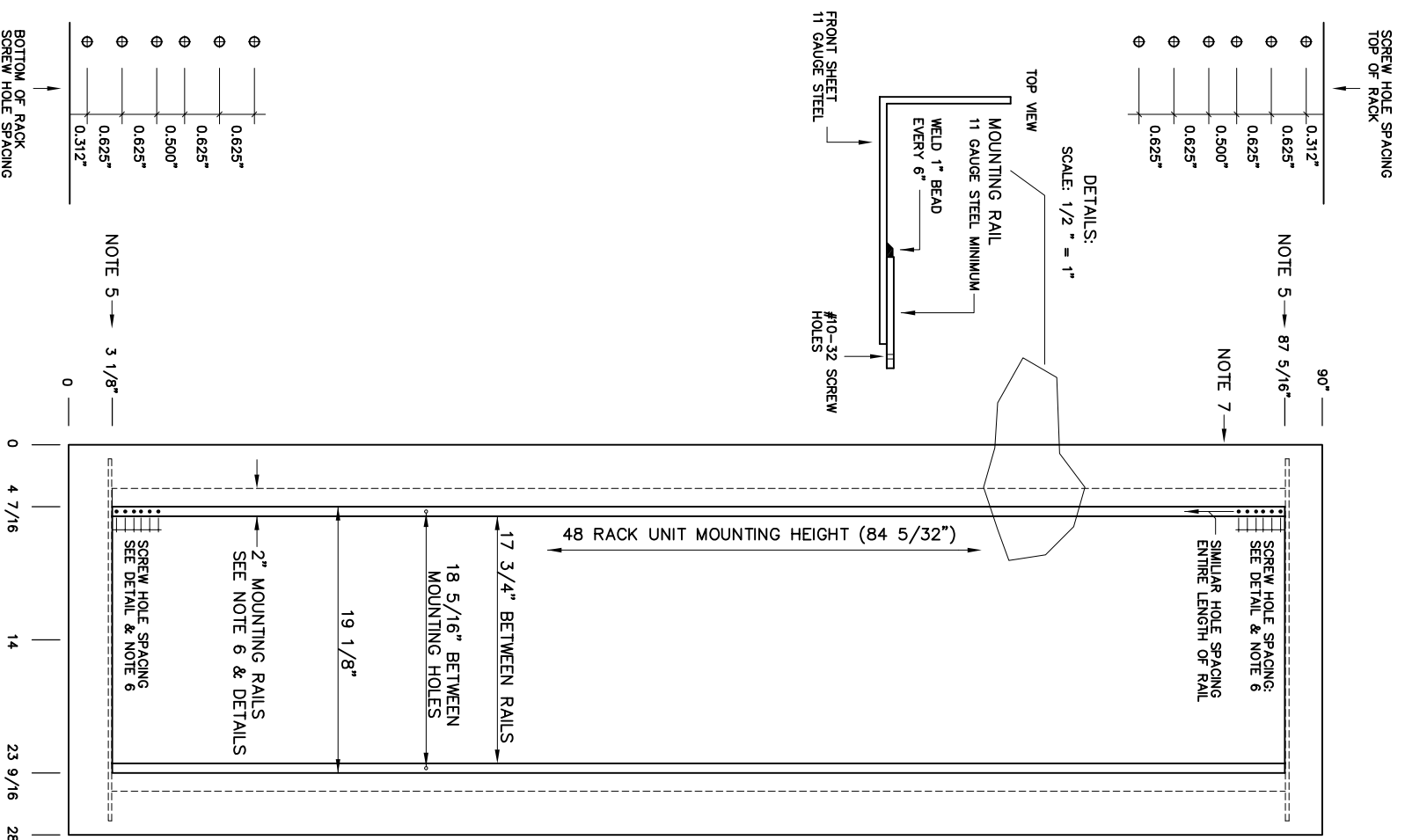
SIDE VIEW

FRONT TOP VIEW

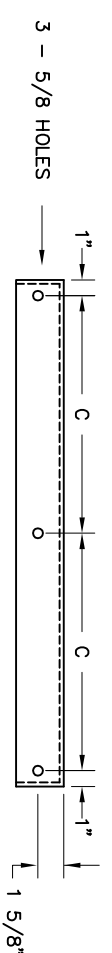
FRONT FLOOR PLAN

<p>PRELIMINARY - DO NOT USE FOR CONSTRUCTION</p>			
		NO.	REVISIONS
A	PRELIMINARY	01/19/18	DWM:DJH
			CON:BCW
			SCALE: 1/8"=1'-0"
			PLOT: 1:38
<p>GREENVILLE UTILITIES GREENVILLE, NORTH CAROLINA</p>		<p>Booth & Associates, LLC DATE: 12/09/15</p>	
<p>GREENVILLE SOUTH 230KV POD #3 DUAL PANEL DETAILS REAR, SIDE, TOP, & FLOOR</p>		<p>DWG. NO. 14022 E005A</p>	
<p>14022-E005A (P. 33903) DWG</p>			

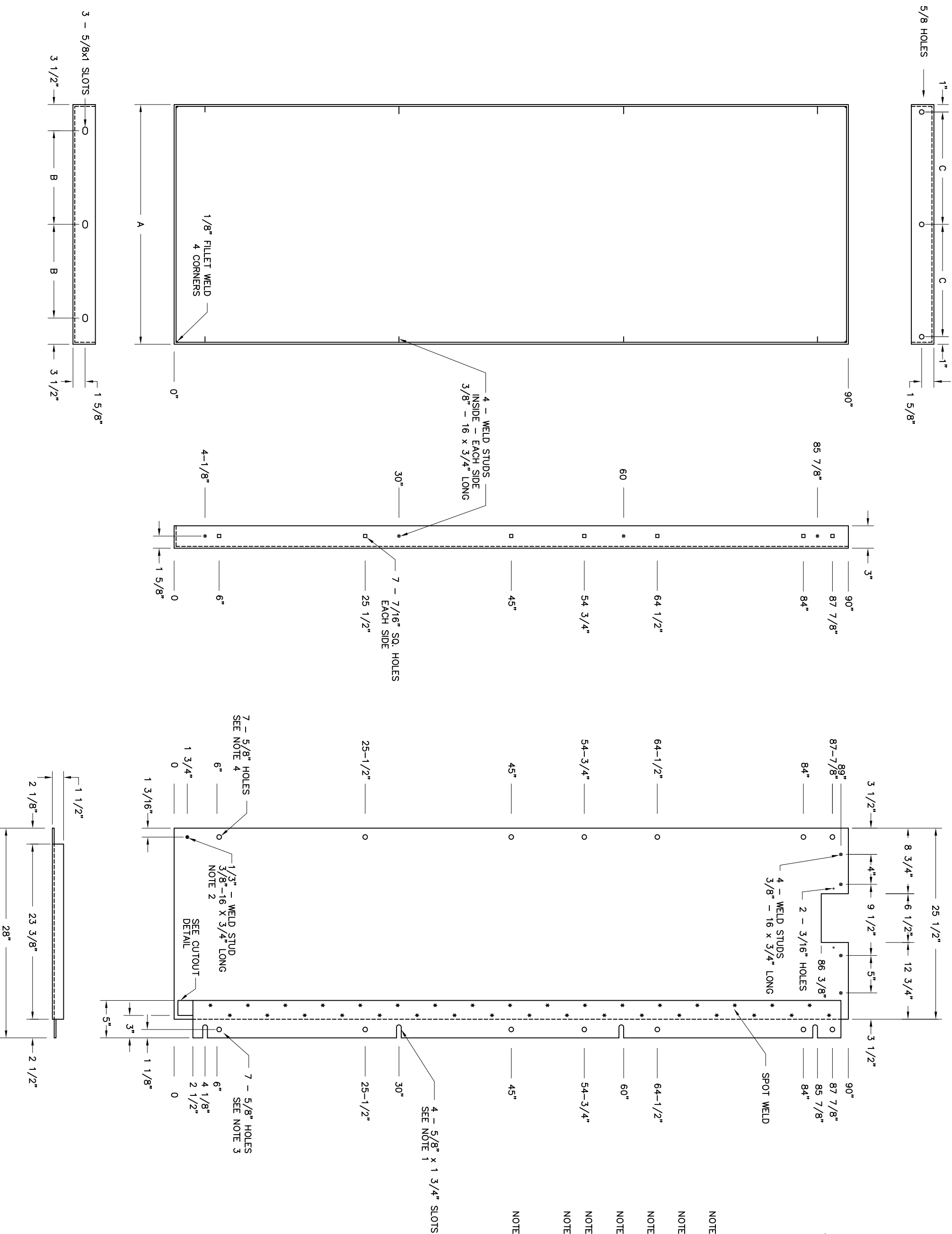
OPTIONAL (28" WIDE)
CLOSED-BACK W/DOOR
TYPE PANEL
WITH 19" RACK MOUNTING



UNIT FRONT PANEL - 11 GA. STEEL



SIDE SHEET - 11 GA. STEEL

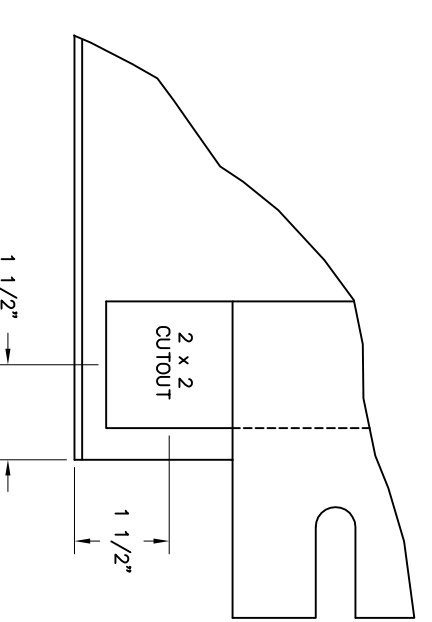


UNIT WIDTH DIMENSION

UNIT WIDTH	DIMENSION
"A"	"B"
28"	10 1/2"
32"	12 1/2"
	13"
	15"

- NOTE 1 ASSEMBLE WITH FOUR 3/8"-16 NUTS, FLAT WASHER AND LOCK WASHER - EACH SIDE.
- NOTE 2 ASSEMBLE WITH ONE 3/8"-16 NUT, FLAT WASHER AND LOCK WASHER - EACH SIDE.
- NOTE 3 ASSEMBLE WITH SEVEN 3/8"-16 x 1 1/4" CARRIAGE BOLT, NUT, FLAT WASHER AND LOCK WASHER - EACH SIDE.
- NOTE 4 ASSEMBLE WITH SEVEN 3/8"-16 x 1 1/2" BOLT, NUT, FLAT WASHER AND LOCK WASHER - EACH SIDE.
- NOTE 5 WELDED PANEL REINFORCEMENT 1/4" X 26".
- NOTE 6 2" MOUNTING RAILS OF 1/4" STEEL, WELDED TO BACK OF FRONT SHEET. PREPARED FOR STANDARD RACK MOUNTING PER STANDARD RS-310-C, AND #10-32 SCREWS.
- NOTE 7 FRONT PANEL SECTION FORMED FROM SINGLE SHEET OF 11 GAUGE (MIN.) STRETCHER-LEVELLED COLD-ROLLED STEEL, NOT WELDED PIECES.

GROUND BUS DETAIL CUTOUT DETAIL



PRELIMINARY - DO NOT USE FOR CONSTRUCTION

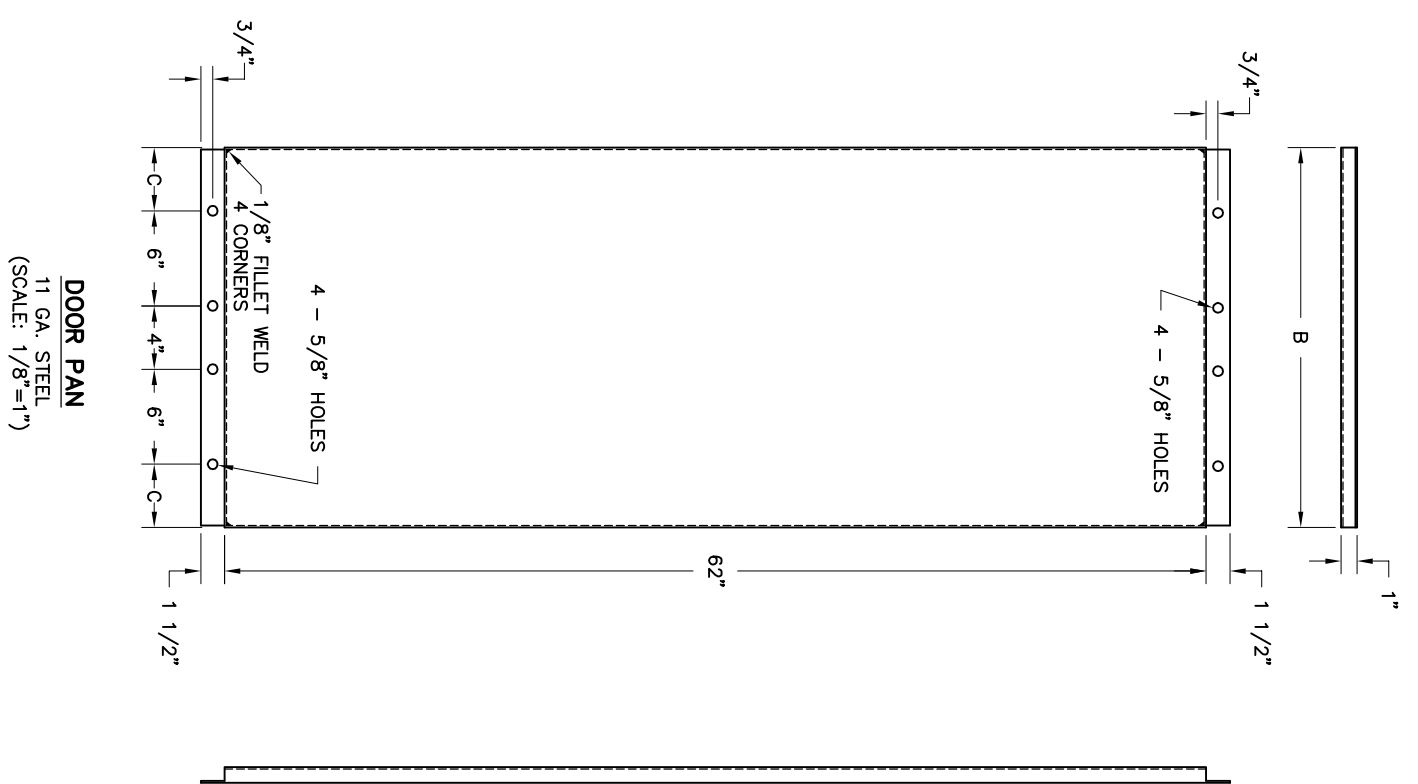
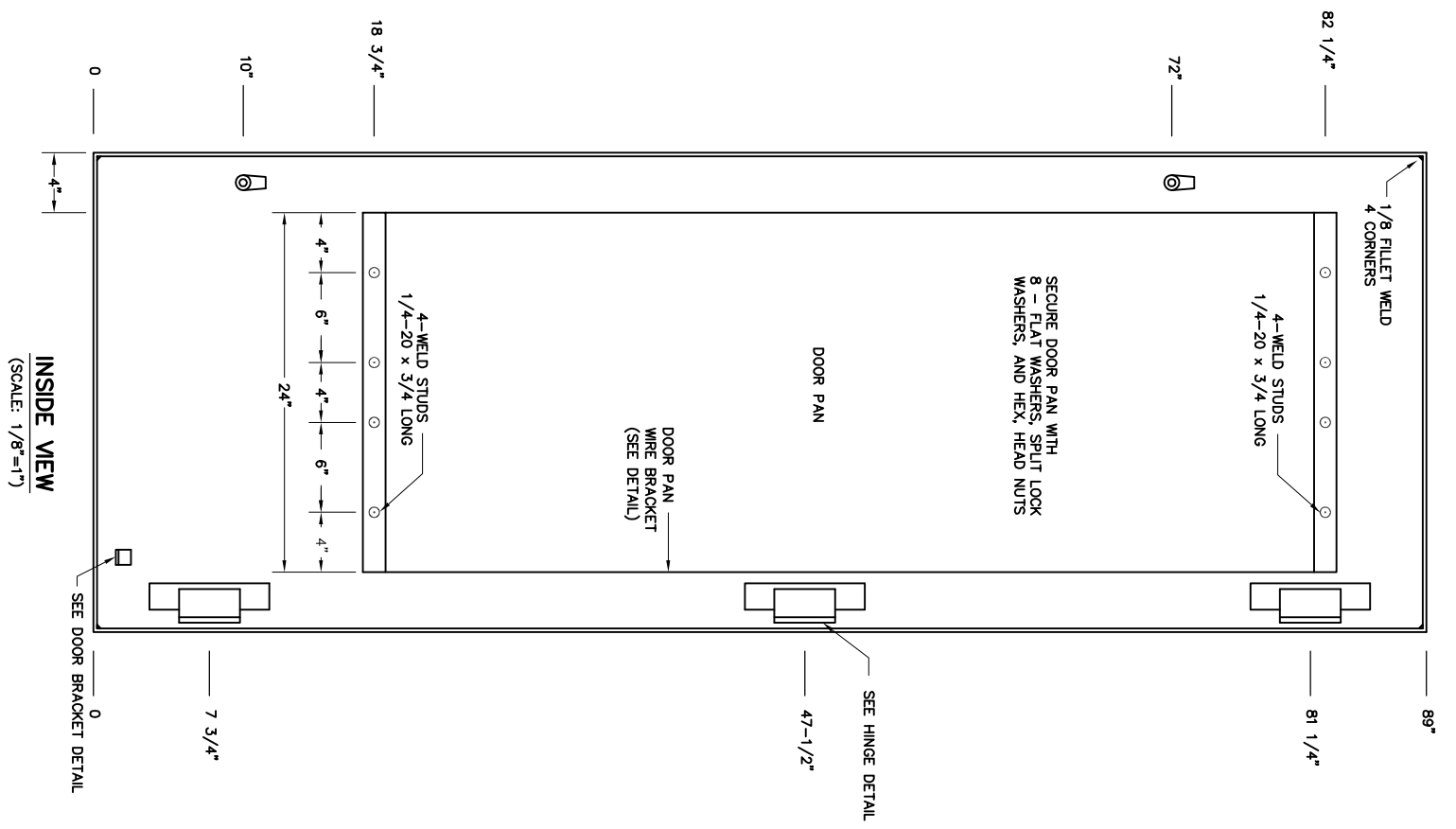
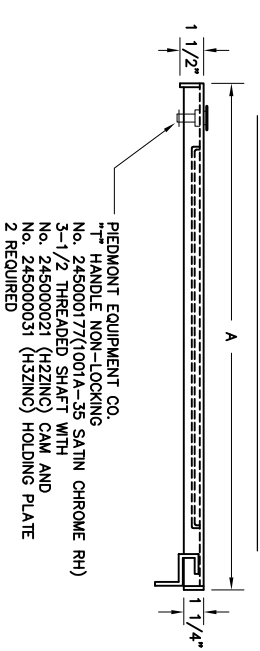
NO.	REVISIONS	DATE	BY	CHKD.
A	PRELIMINARY	01/19/16	DMJ	DHJ

GREENVILLE UTILITIES
GREENVILLE, NORTH CAROLINA

GREENVILLE SOUTH 230KV POD #3
DUAL PANEL DETAILS
FRONT SHEET & SIDE SHEET

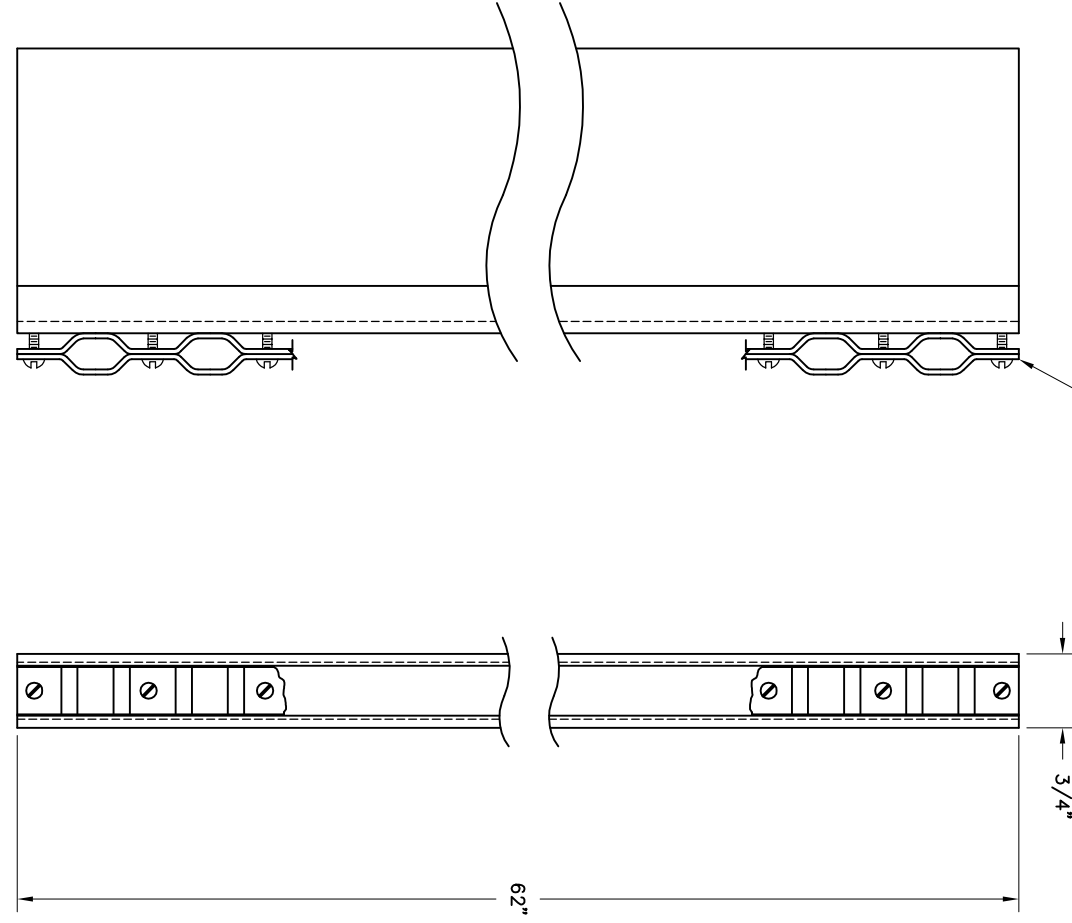
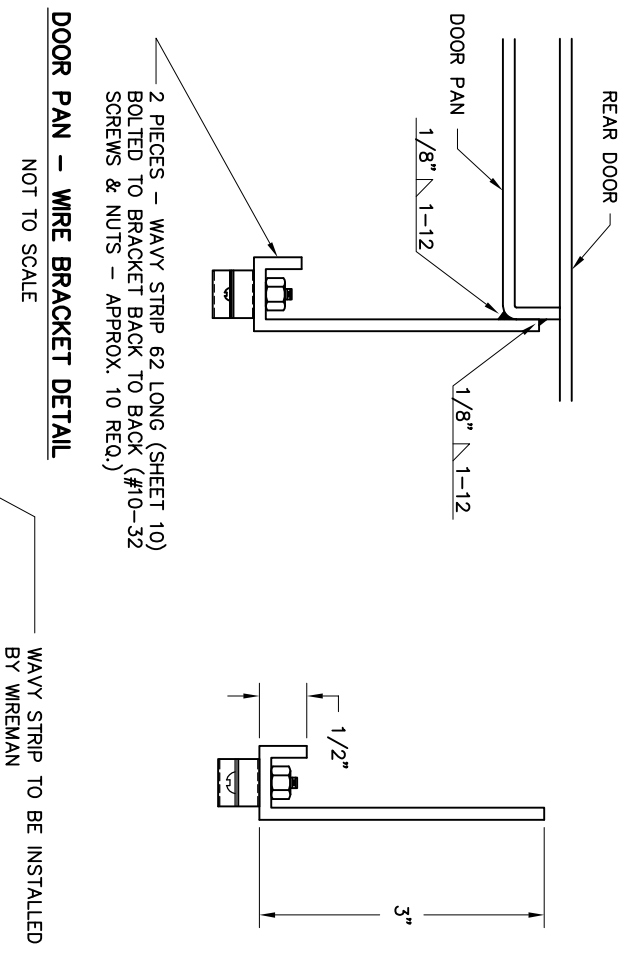
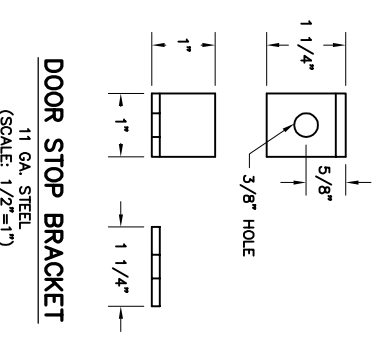
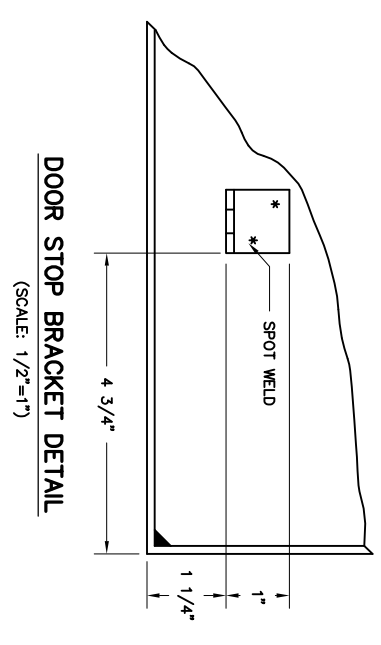
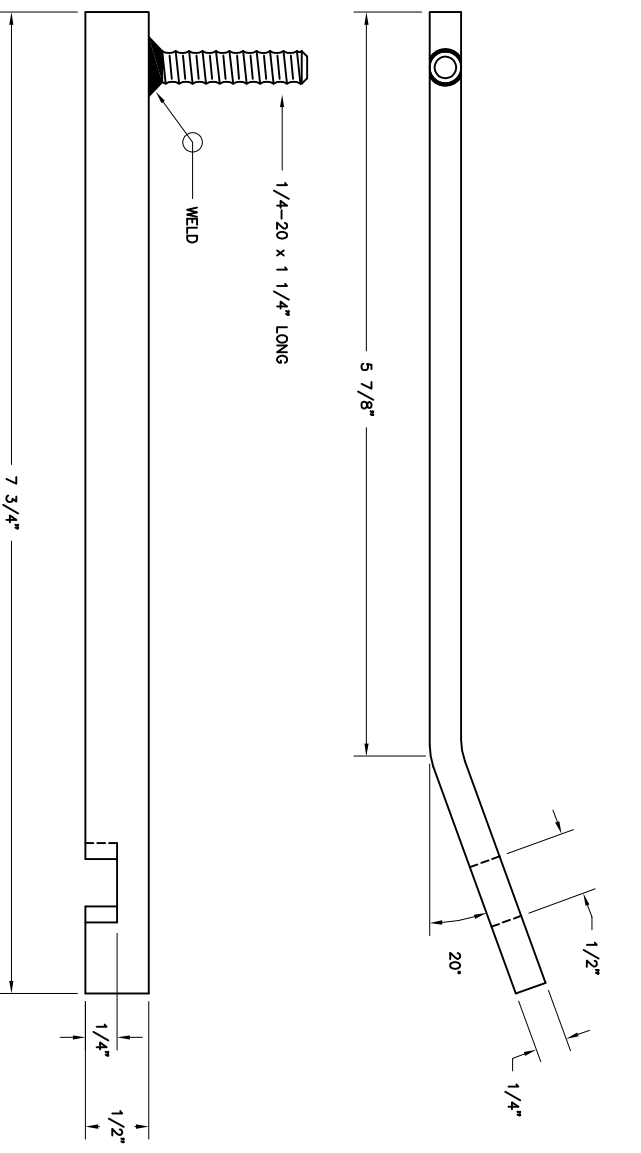
Booth & Associates, LLC
14022 E005B (03/30/14) DMJ

UNIT REAR DOOR - 11 GA. STEEL



DIMENSION

"A"	"B"	"C"
27 3/4"	20"	2"
31 3/4"	24"	4"



PRELIMINARY - DO NOT USE FOR CONSTRUCTION

NO.	REVISIONS	DATE	BY
A	PRELIMINARY	01/19/16	DMC

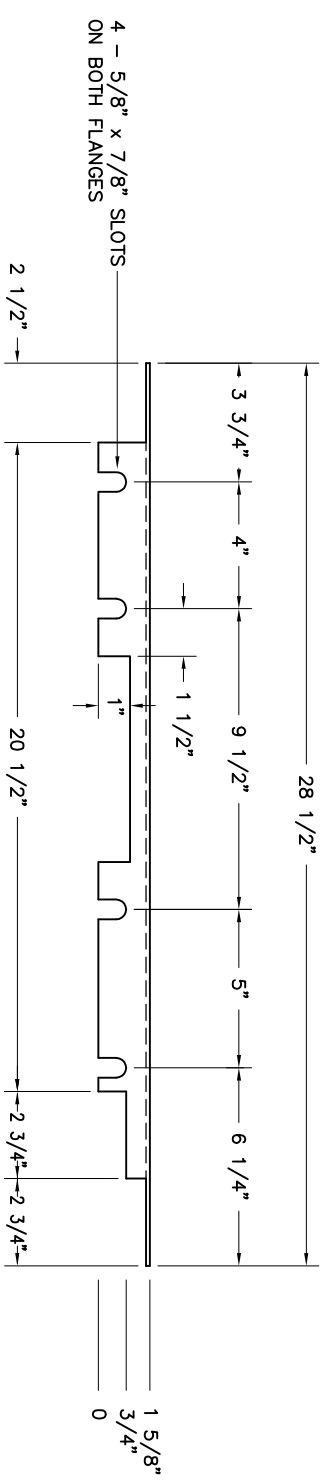
Booth & Associates, LLC
 GREENVILLE UTILITIES
 GREENVILLE, NORTH CAROLINA
GREENVILLE SOUTH 230KV POD #3
DUAL PANEL DETAILS
DOOR & DOOR PAN

DATE: 12/09/15
 APPR. BOV
 SCALE: AS NOTED
 PLOT: 1:36

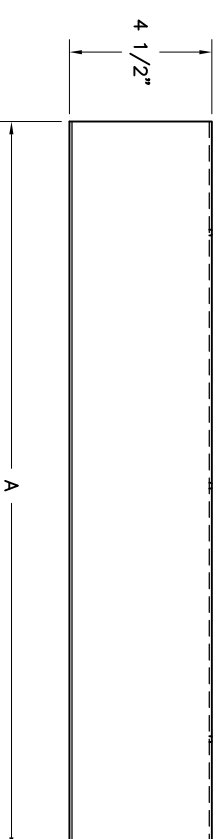
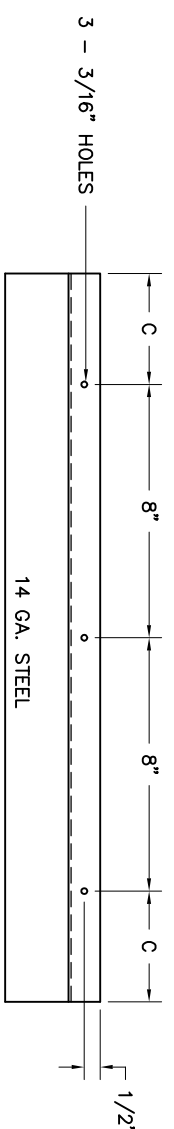
DMC NO. 14022C
 E005C

14022-E005C (ID: 33909).DWG

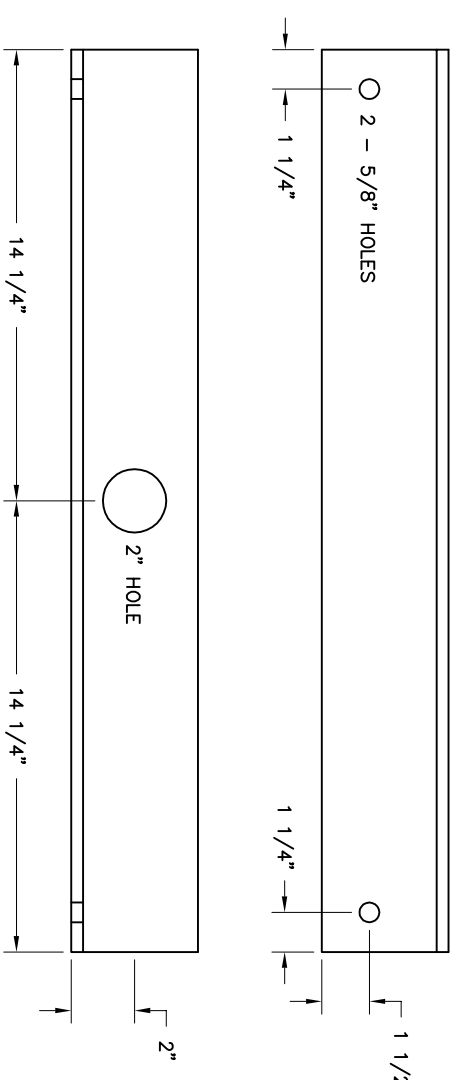
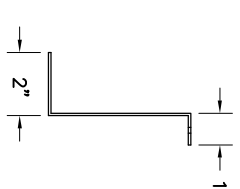
UNIT COVER - 11 GA. STEEL



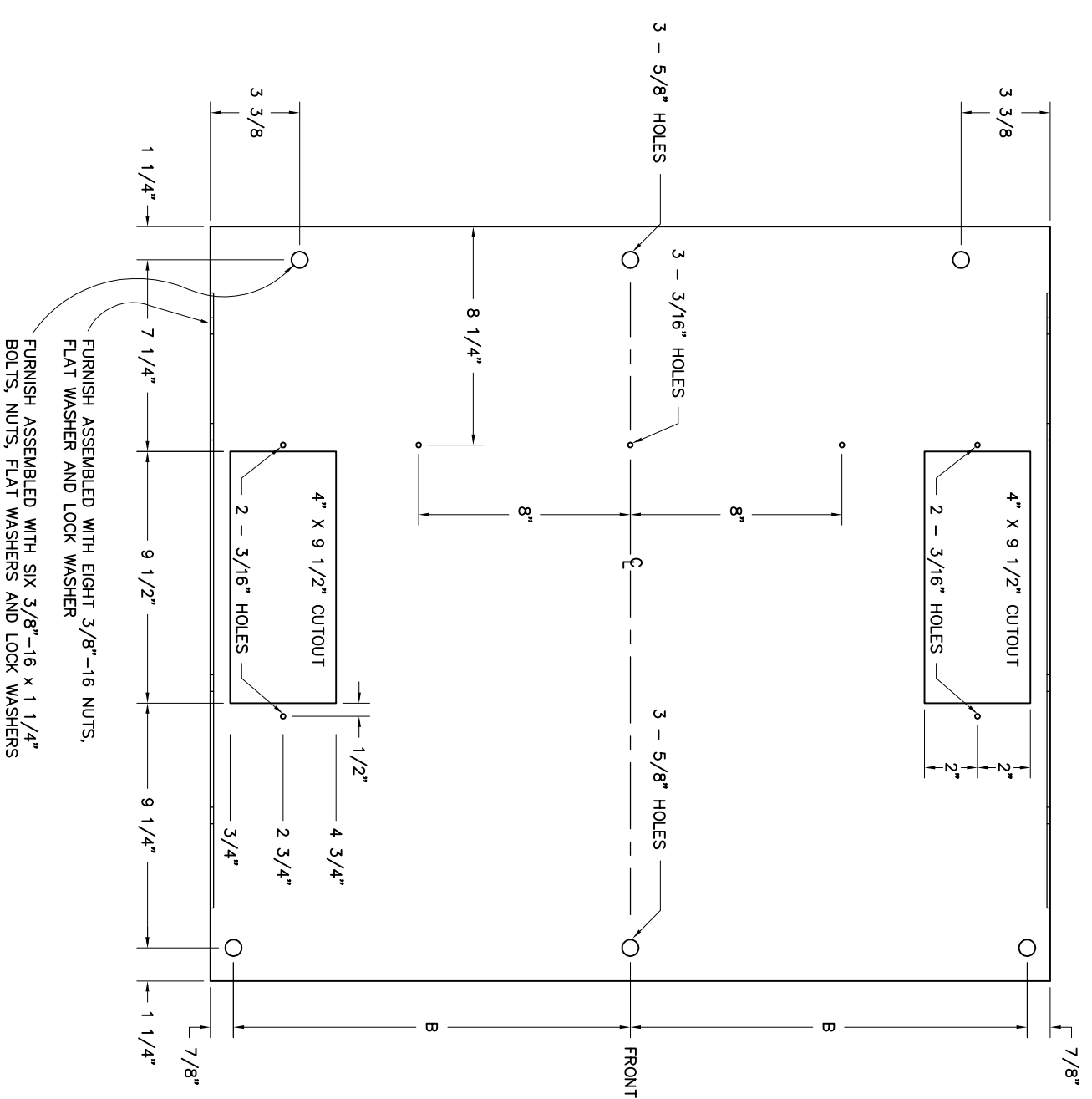
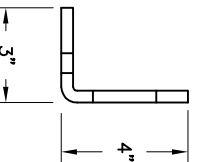
UNIT WIDTH		DIMENSION		
28"	1 5/8"	1 5/8"	3/4"	3 1/2"
32"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
		1 1/2"	1 1/2"	1 1/2"



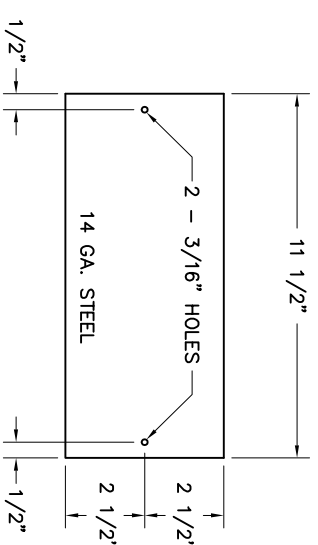
PANDUIT SUPPORT - 1 REQ.
 SECURE TO COVER WITH (3) 10-32 MACH. SCREWS, LOCK WASHERS AND NUTS



LIFTING ANGLE - 3/8" STEEL
 1 REQ.
 (SCALE: 1/4" = 1")



FURNISH ASSEMBLED WITH EIGHT 3/8"-16 NUTS, FLAT WASHER AND LOCK WASHER
 FURNISH ASSEMBLED WITH SIX 3/8"-16 x 1 1/4" BOLTS, NUTS, FLAT WASHERS AND LOCK WASHERS



CUTOUT COVER - 2 REQ.
 SECURE WITH (2) 10-32 MACH. SCREWS AND NUTS PER PLATE

PRELIMINARY - DO NOT USE FOR CONSTRUCTION

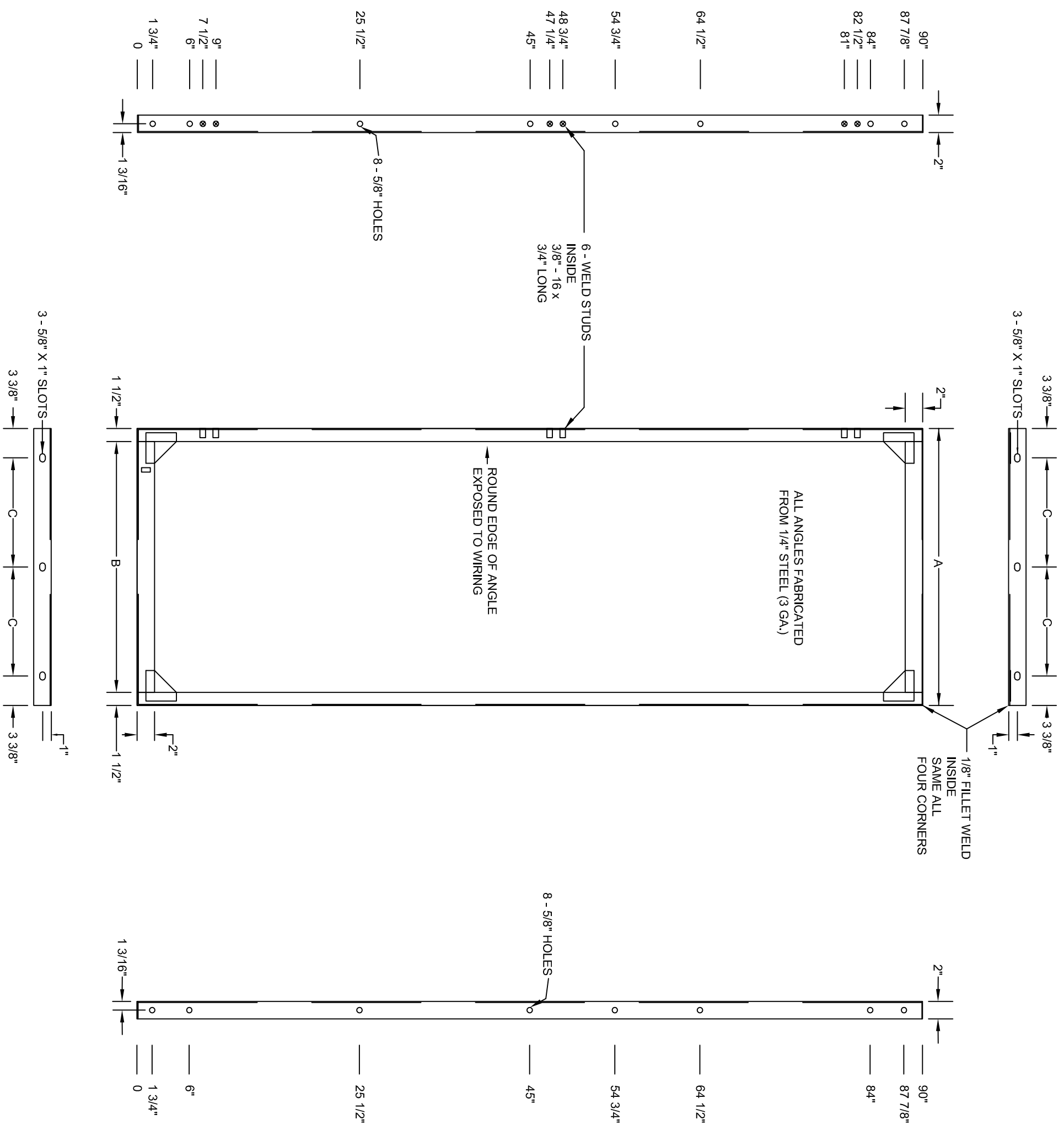
NO.	REVISIONS	DATE	BY	CHKD.	APPD.	SCALE	PLOT:
A	PRELIMINARY	01/09/16				SCALE: 1/4"=1"	PLOT: 1:96

GREENVILLE UTILITIES
 GREENVILLE, NORTH CAROLINA
GREENVILLE SOUTH 230KV POD #3
DUAL PANEL DETAILS
TOP & LIFTING ANGLE

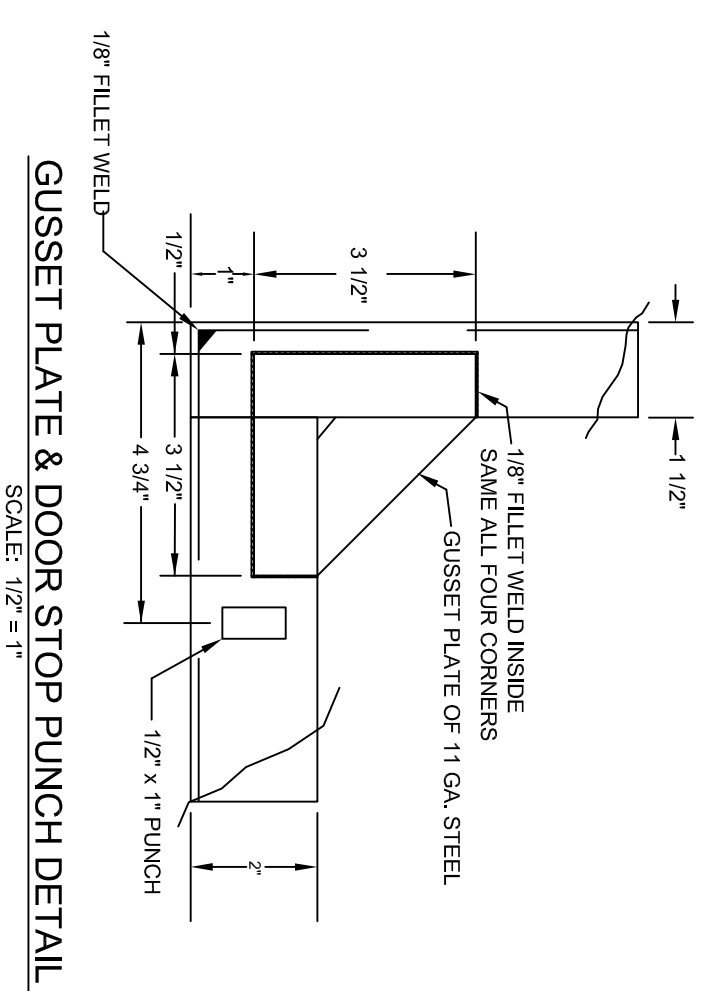
Booth & Associates, LLC
 DATE: 12/09/15
 DWG. NO. 14022

14022-E0050 (0-33998) DWG

UNIT REAR FRAME
SCALE: 1/8" = 1"



UNIT WIDTH	DIMENSIONS
26"	27 3/4"
32"	24 3/4"
	31 3/4"
	28 3/4"
	10 1/2"
	12 1/2"



GUSSET PLATE & DOOR STOP PUNCH DETAIL
SCALE: 1/2" = 1"

GREENVILLE UTILITIES
GREENVILLE, NORTH CAROLINA

GREENVILLE SOUTH 230KV POD #3
DUAL PANEL DETAILS
REAR FRAME

Booth & Associates, LLC
14022 EPOUSE (D 33899).DWG

NO.	REVISIONS	DATE	DWG. DATE	DATE
A	PRELIMINARY	01/19/16	01/19/16	12/09/15

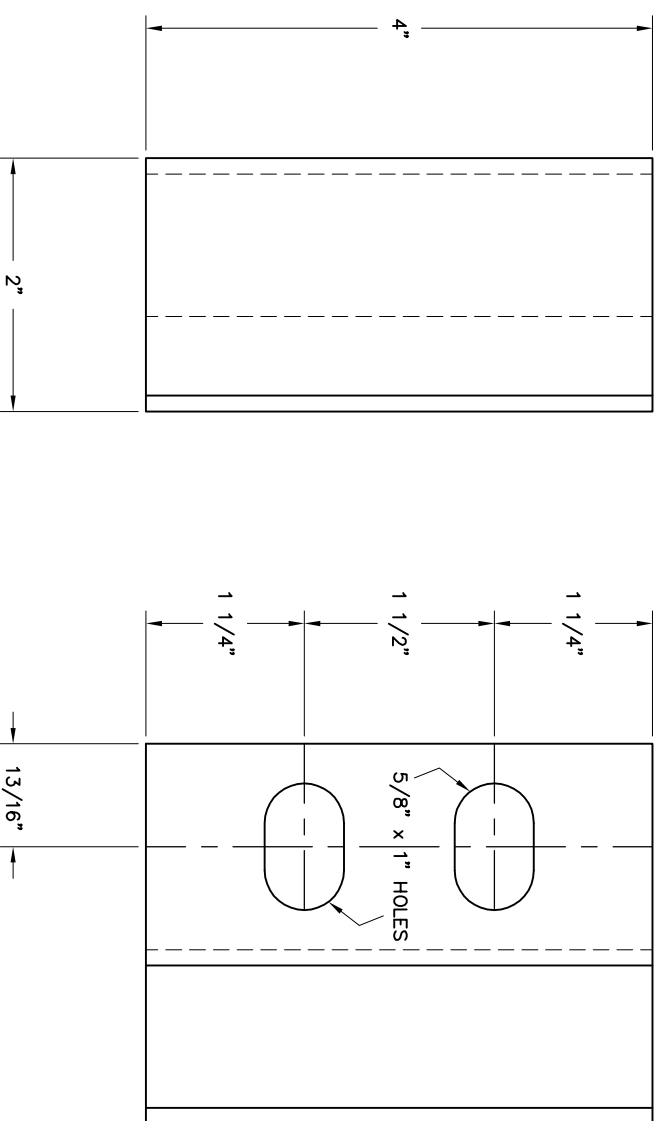
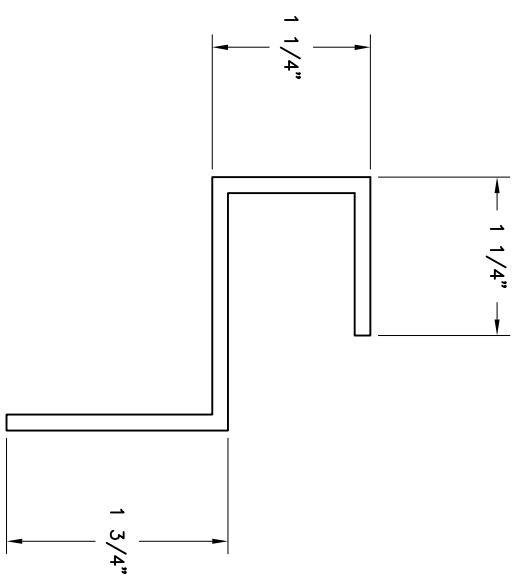
© 12/15

PRELIMINARY - DO NOT USE FOR CONSTRUCTION

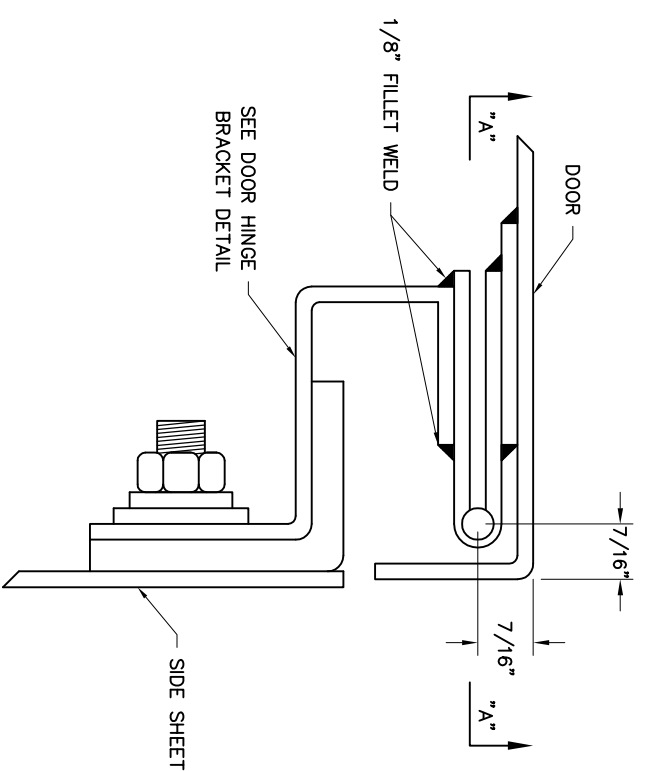
DWG. NO. 14022
EPOUSE

SCALE: 1/8" = 1"

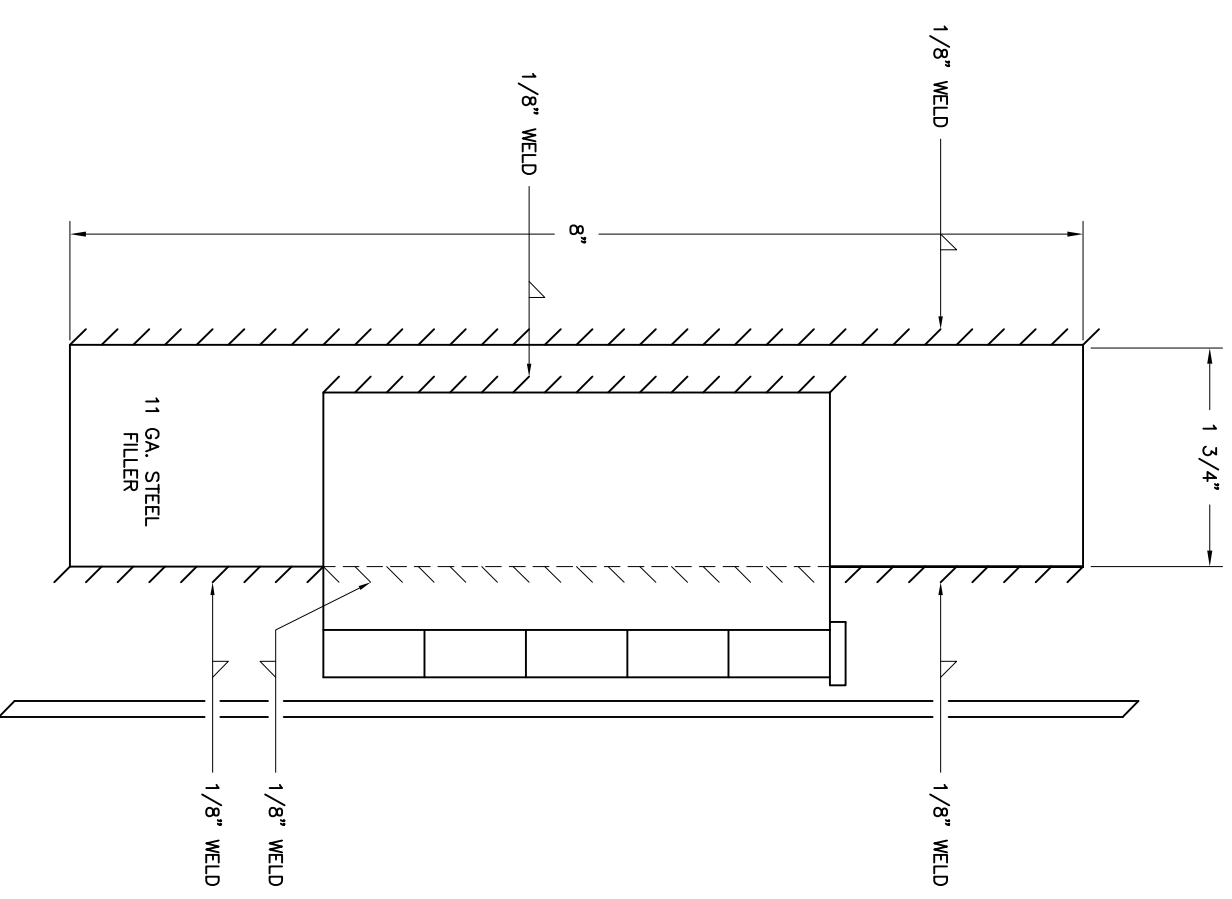
14022-EPOUSE (D 33899).DWG



DOOR HINGE BRACKET – 11 GA. STEEL
 3-REVD.
 SCALE: 1"=1"



DOOR HINGE DETAIL
 SCALE: 1"=1"

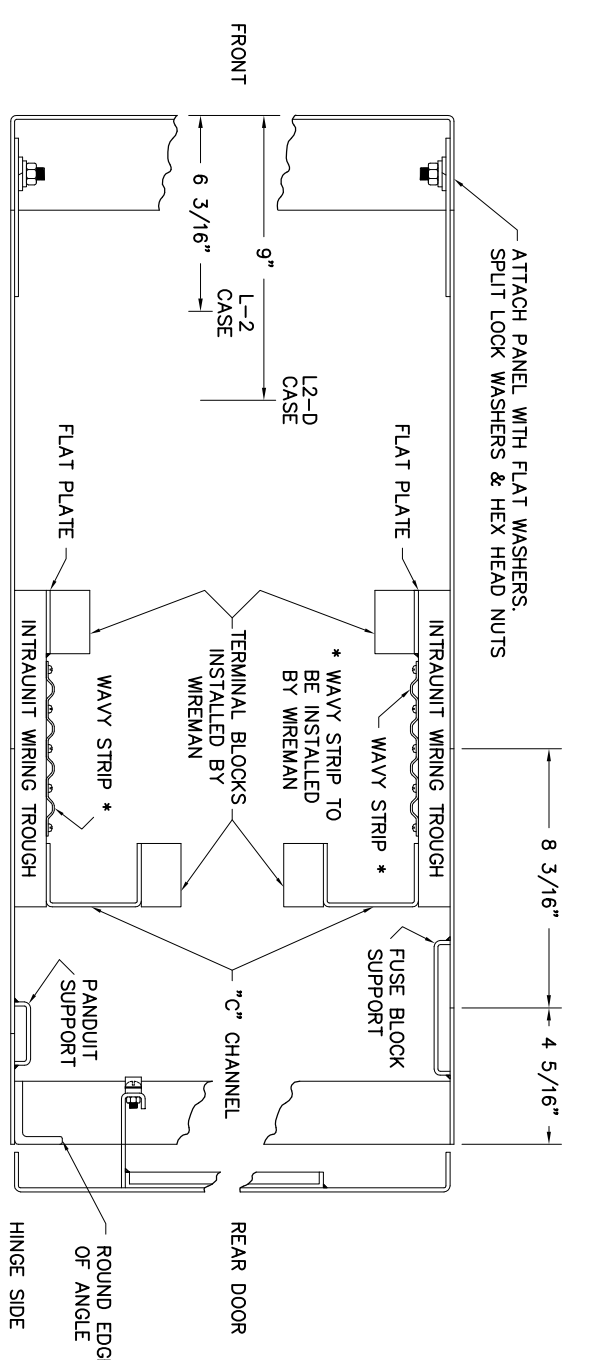


HINGE SECTION "A-A"
 SCALE: 1"=1"

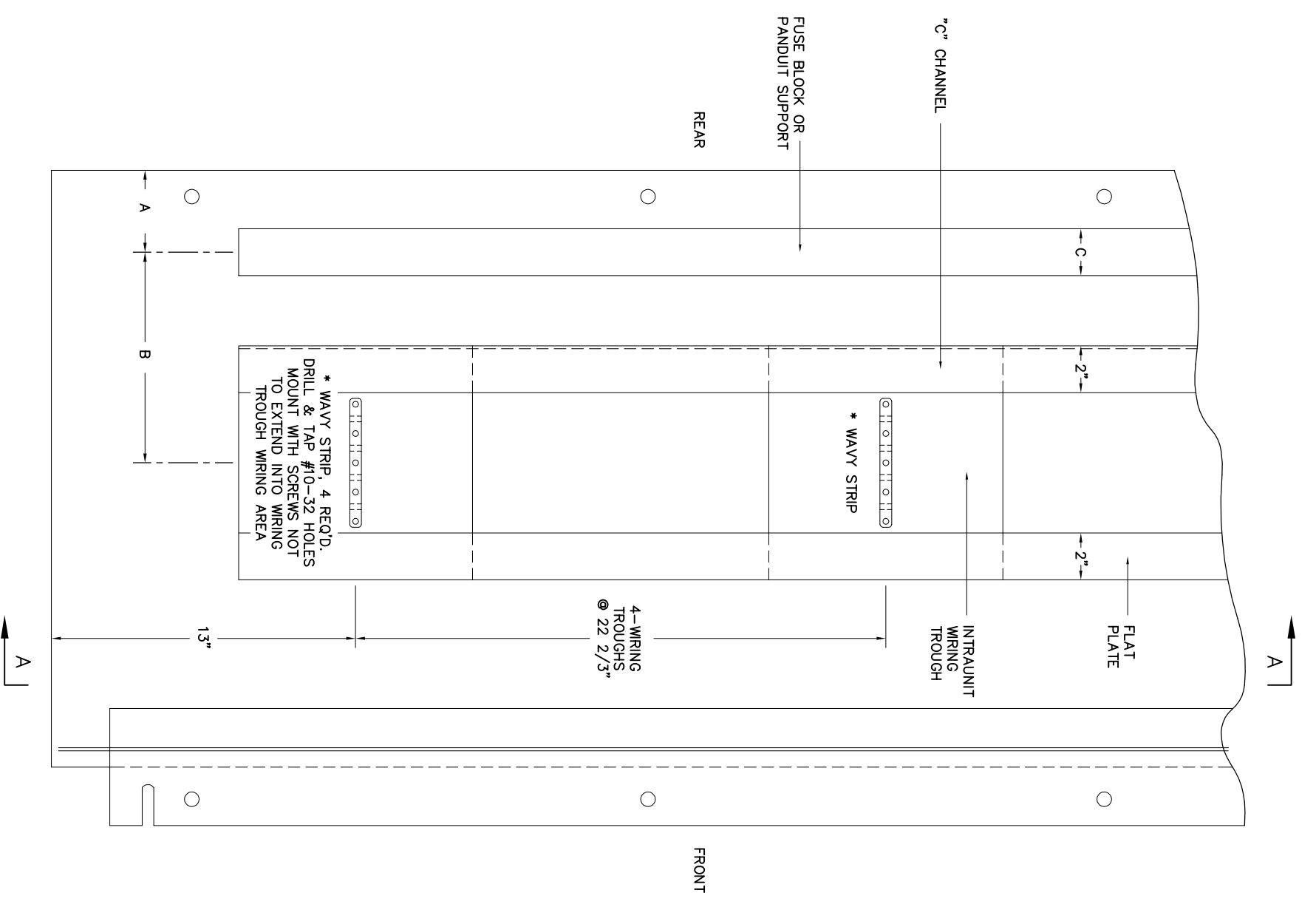
PRELIMINARY - DO NOT USE FOR CONSTRUCTION

	NO.	REVISIONS	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
A	PRELIMINARY		01/19/18	DWM	12/09/15	BOM	04/29/18	BOM	02/02/18
Booth & Associates, LLC <small>INDUSTRIAL DESIGN & CONSTRUCTION</small>					GREENVILLE UTILITIES <small>GREENVILLE, NORTH CAROLINA</small>				
DUAL PANEL DETAILS					DUAL PANEL DETAILS				
PANEL HINGE					PANEL HINGE				

14022-E005F (D) 33900.DWS



UNIT SECTIONAL VIEW
SCALE: 1/4"=1"

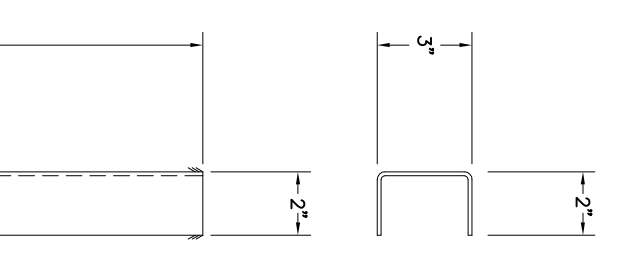
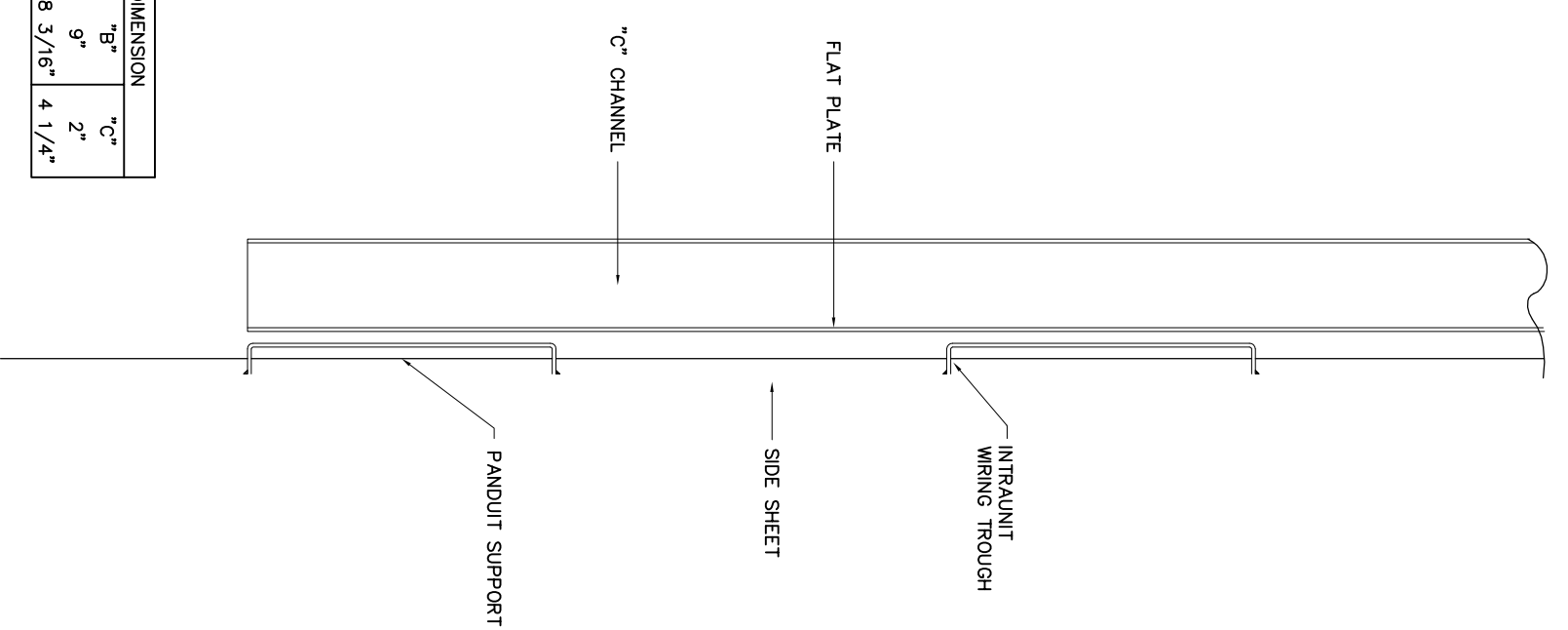


SIDE SHEET DETAILS
SCALE: 1/4"=1"

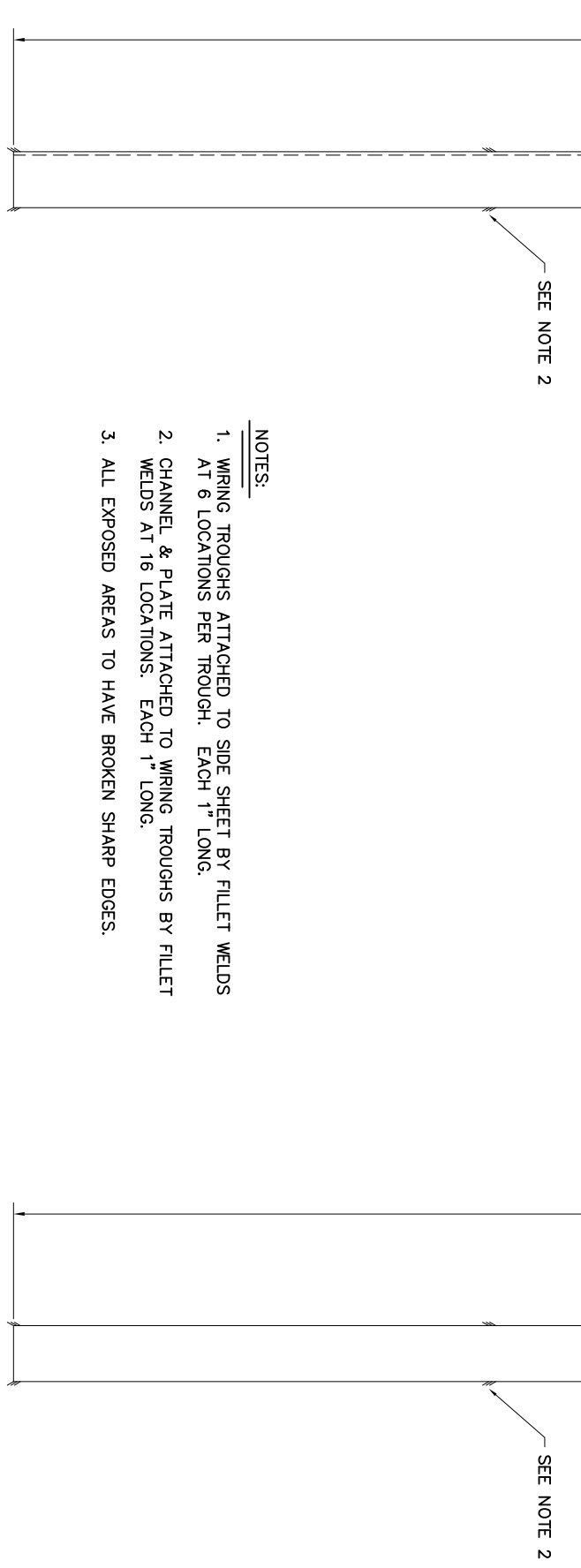
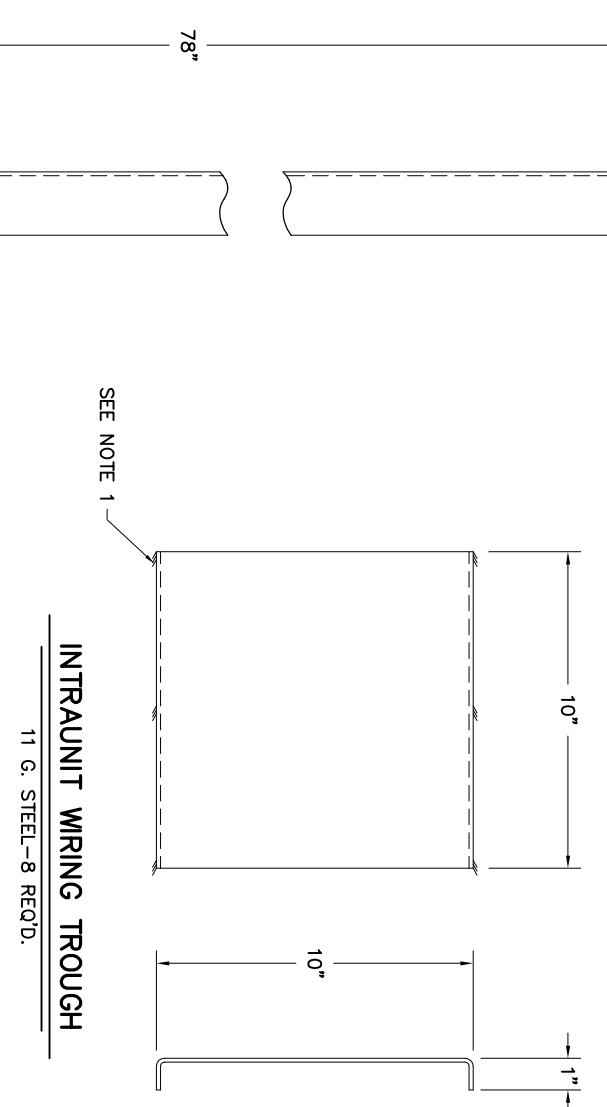
SIDE SHEET	DIMENSION		
RIGHT	A"	B"	C"
LEFT	4 5/16"	9"	2"
	8 3/16"	4 1/4"	

NOTE:
INSIDE VIEW OF RIGHT HAND SIDE SHEET SHOWN.
LEFT HAND SIDE SHEET TO BE SIMILAR BUT
OPPOSITE HAND.

SECTION A-A
SCALE: 1/4"=1"



WAVY STRIP
SCALE: 3/4"=1"
1/16" x 1/2" ROUNDED STEEL BAR
13 PIECES REQUIRED



- NOTES:
1. WIRING TROUGHS ATTACHED TO SIDE SHEET BY FILET WELDS AT 6 LOCATIONS PER TROUGH, EACH 1" LONG.
 2. CHANNEL & PLATE ATTACHED TO WIRING TROUGHS BY FILET WELDS AT 16 LOCATIONS, EACH 1" LONG.
 3. ALL EXPOSED AREAS TO HAVE BROKEN SHARP EDGES.

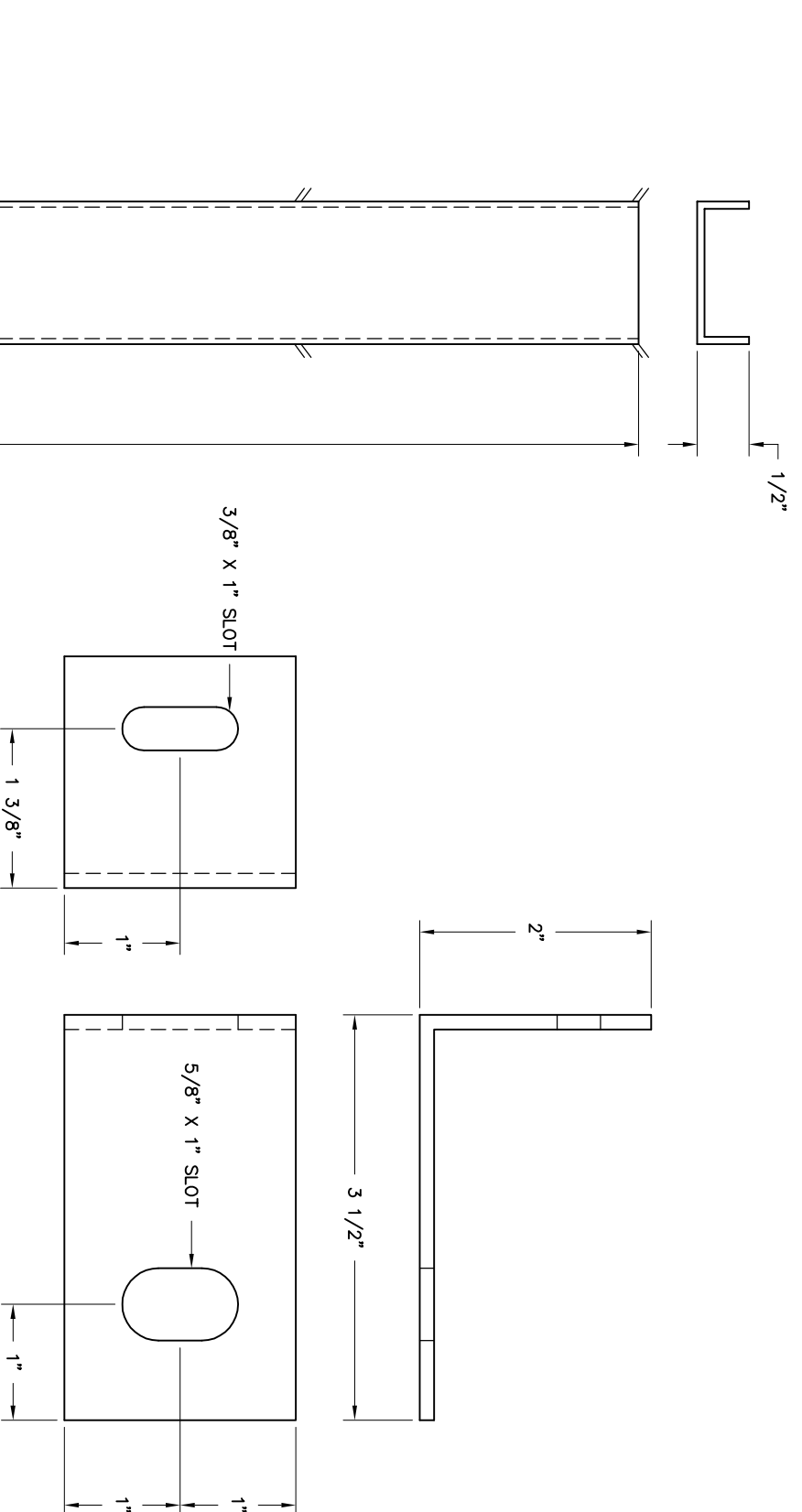
FLAT PLATE
11 GA. STEEL-2 REQ'D.
SCALE: 1/4"=1"

PRELIMINARY - DO NOT USE FOR CONSTRUCTION

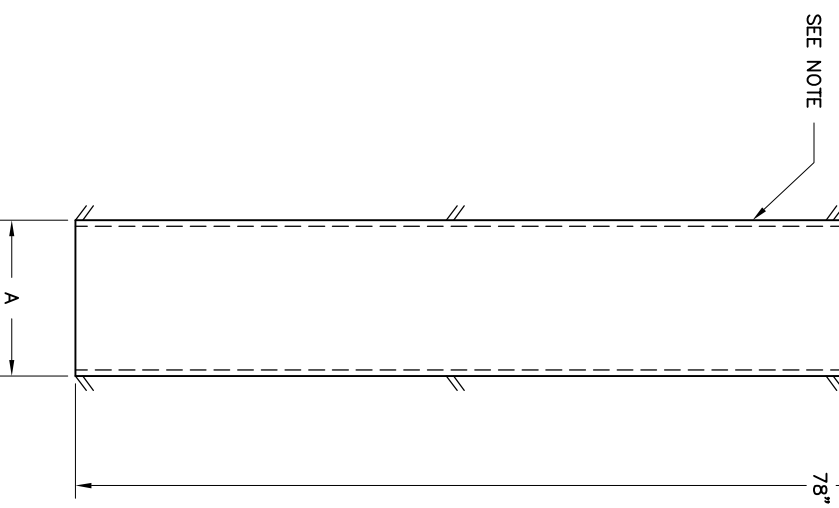
NO.	REVISIONS	DATE	SCALE AS NOTED	FLOR.	1:38
A	PRELIMINARY	01/19/16			

GREENVILLE UTILITIES
GREENVILLE, NORTH CAROLINA
GREENVILLE SOUTH 230KV POD #3
DUAL PANEL DETAILS
T.B. MOUNTING PLATES, WAVY STRIP

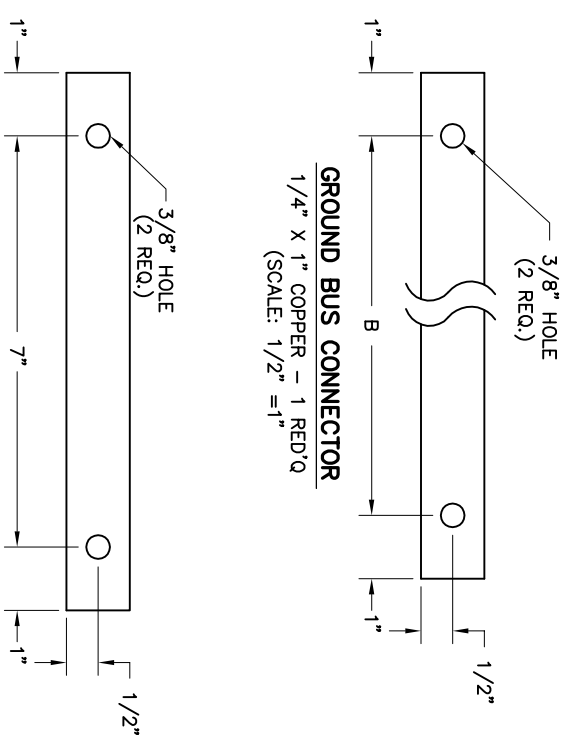
Booth & Associates, LLC
DATE: 12/09/15
APP. BSW
SCALE AS NOTED
FLOR.: 1:38
DWG. NO. E0056
14022-E0056 (00-35907) DWG



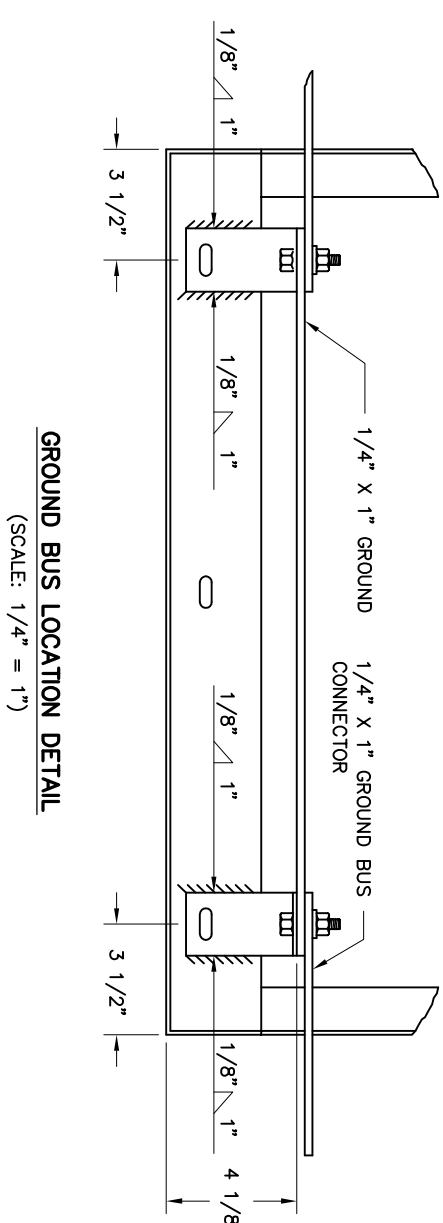
GROUND BUS SUPPORT BRACKET
11 GA. - 2 REQ'D
(FULL SCALE)



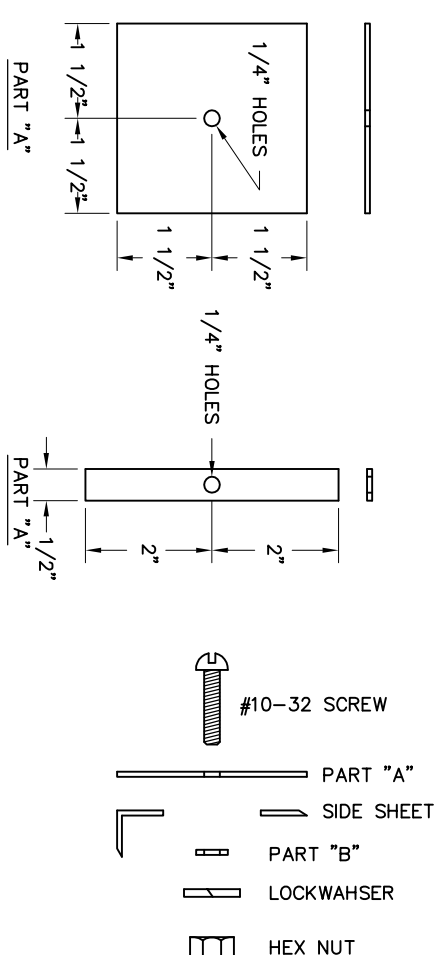
FUSE BLOCK & PANDUIT SUPPORT
11 GA. STEEL (NOT TO SCALE)
FUSE BLOCK SUPPORT "A" = 4 1/4"
PANDUIT SUPPORT "A" = 2"



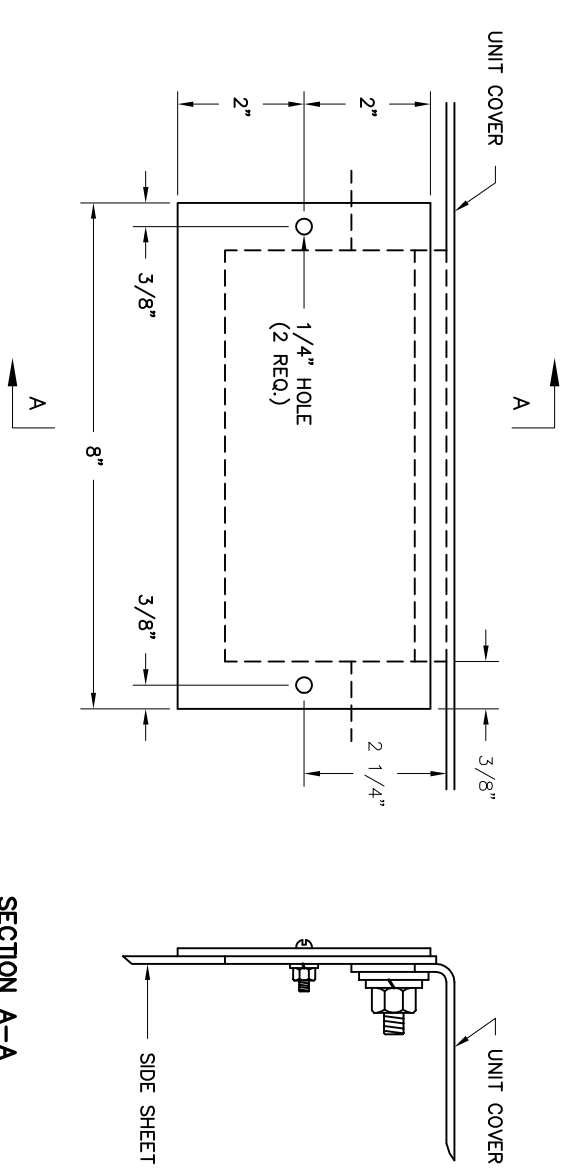
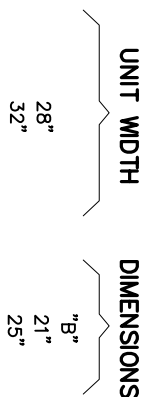
GROUND BUS CONNECTOR
1/4" X 1" COPPER - 1 REQ'D
(SCALE: 1/2" = 1")



GROUND BUS LOCATION DETAIL
(SCALE: 1/4" = 1")



GROUND BUS SIDE SHEET CUTOUT COVER
14 GA. STEEL
(SCALE: 1/2" = 1")



INTERUNIT WIRING CUTOUT COVER PLATE DETAIL - 14 GA. STEEL
SECURE COVER PLATE WITH 2, #10-32 MACHINE SCREWS, LOCKWASHERS & HEX. HEAD NUTS
(SCALE: 1/2" = 1")

GREENWILE UTILITIES
GREENWILE, NORTH CAROLINA

GREENWILE SOUTH 230KV POD #3
DUAL PANEL DETAILS
GROUND BUS & COVER PLATE

Booth & Associates, LLC
DATE: 12/09/15
APPD. BCW
SCALE: AS NOTED
PLOT: 1:38

DWG. NO. 14022
DWC. NO. E005H

PRELIMINARY - DO NOT USE FOR CONSTRUCTION

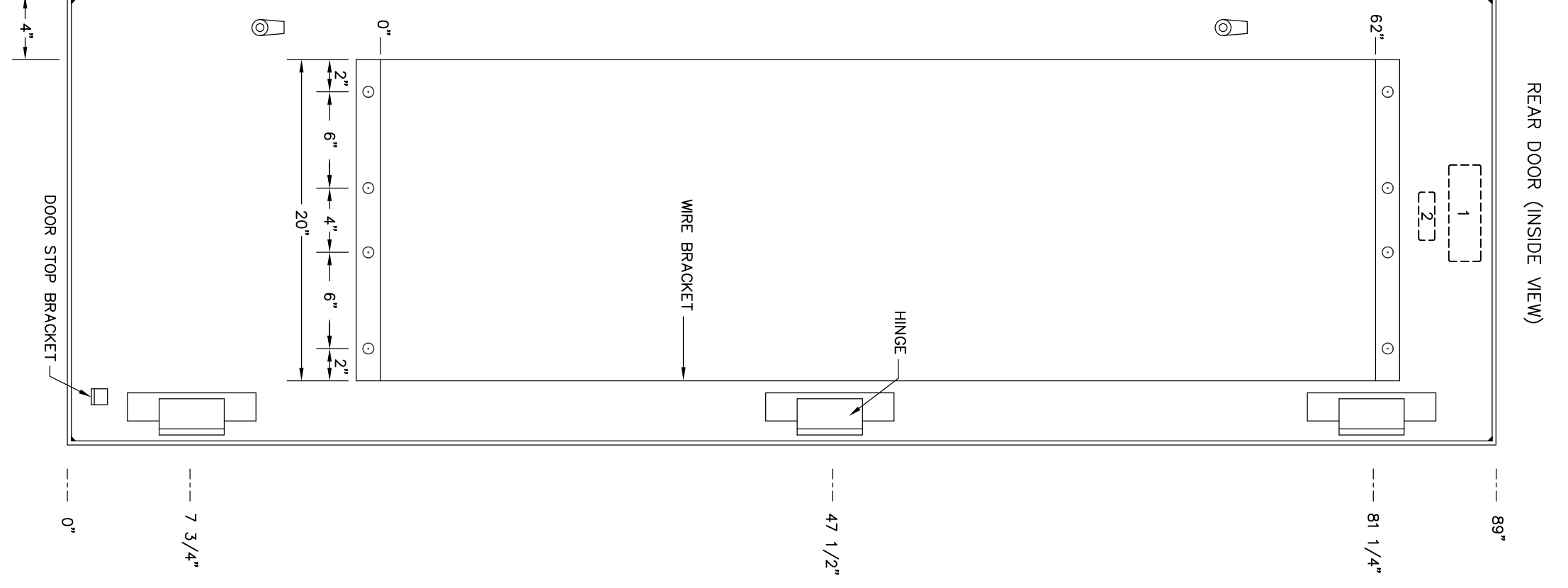
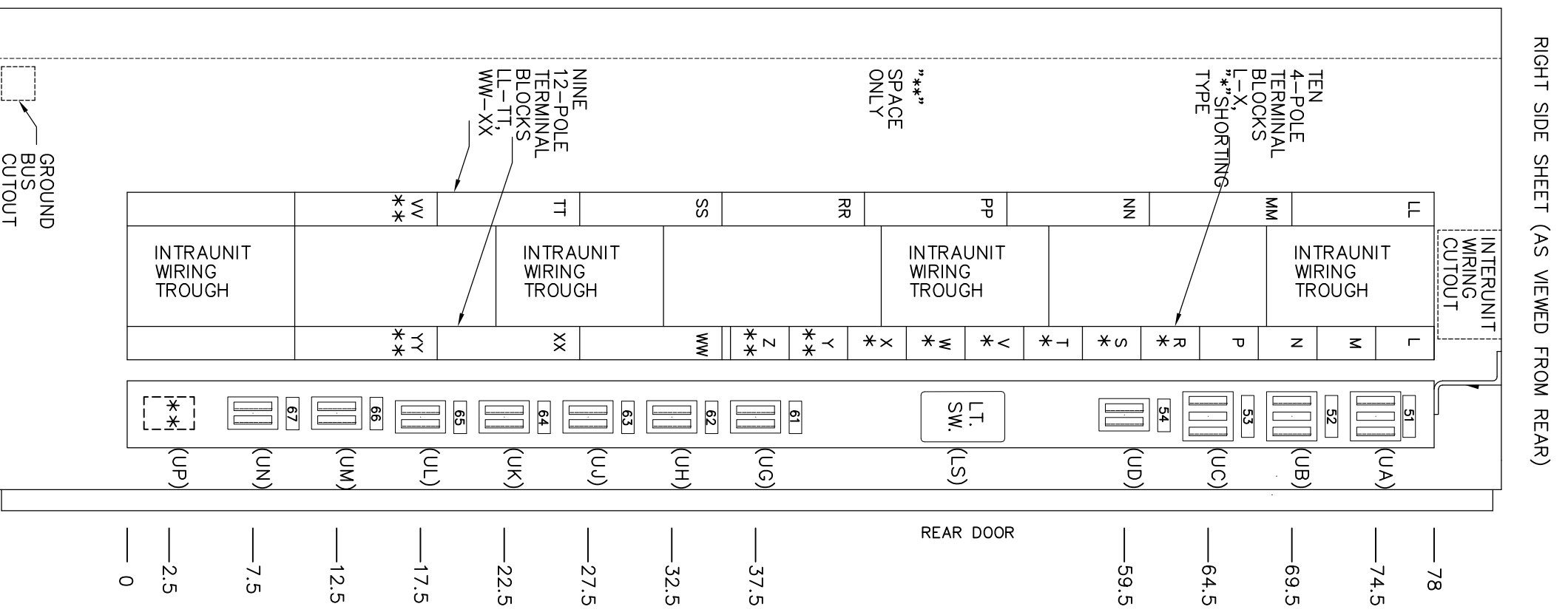
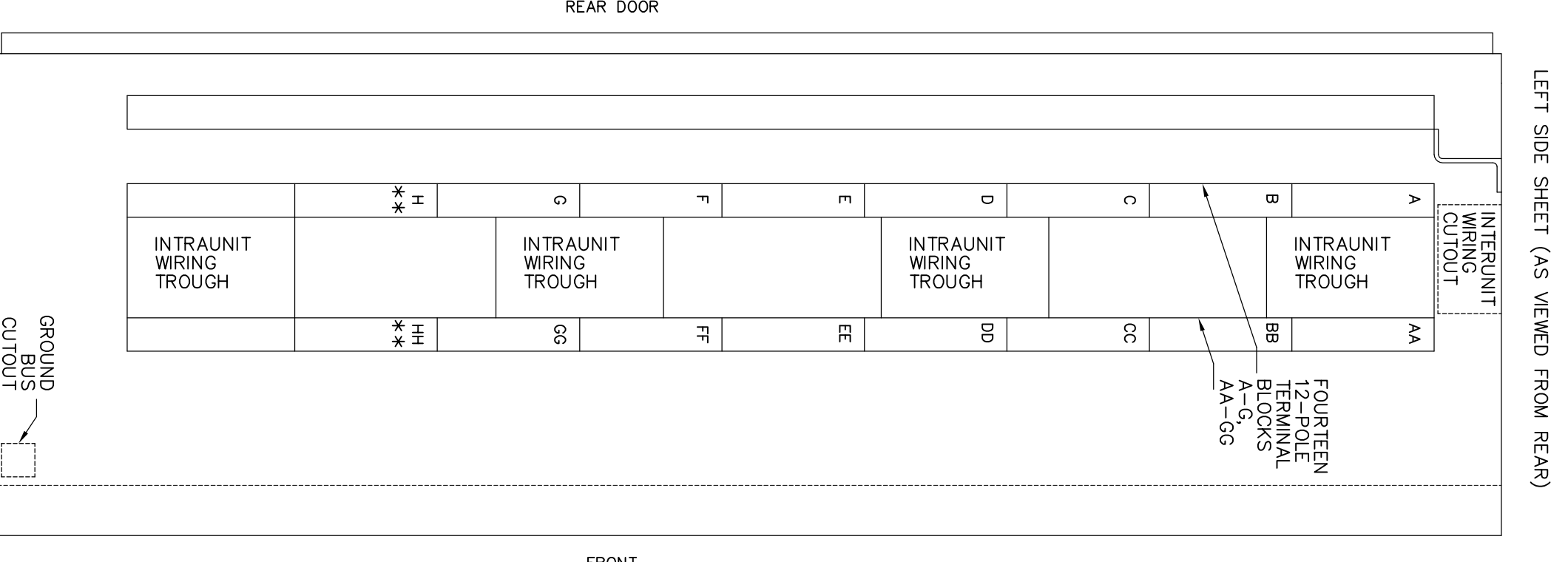
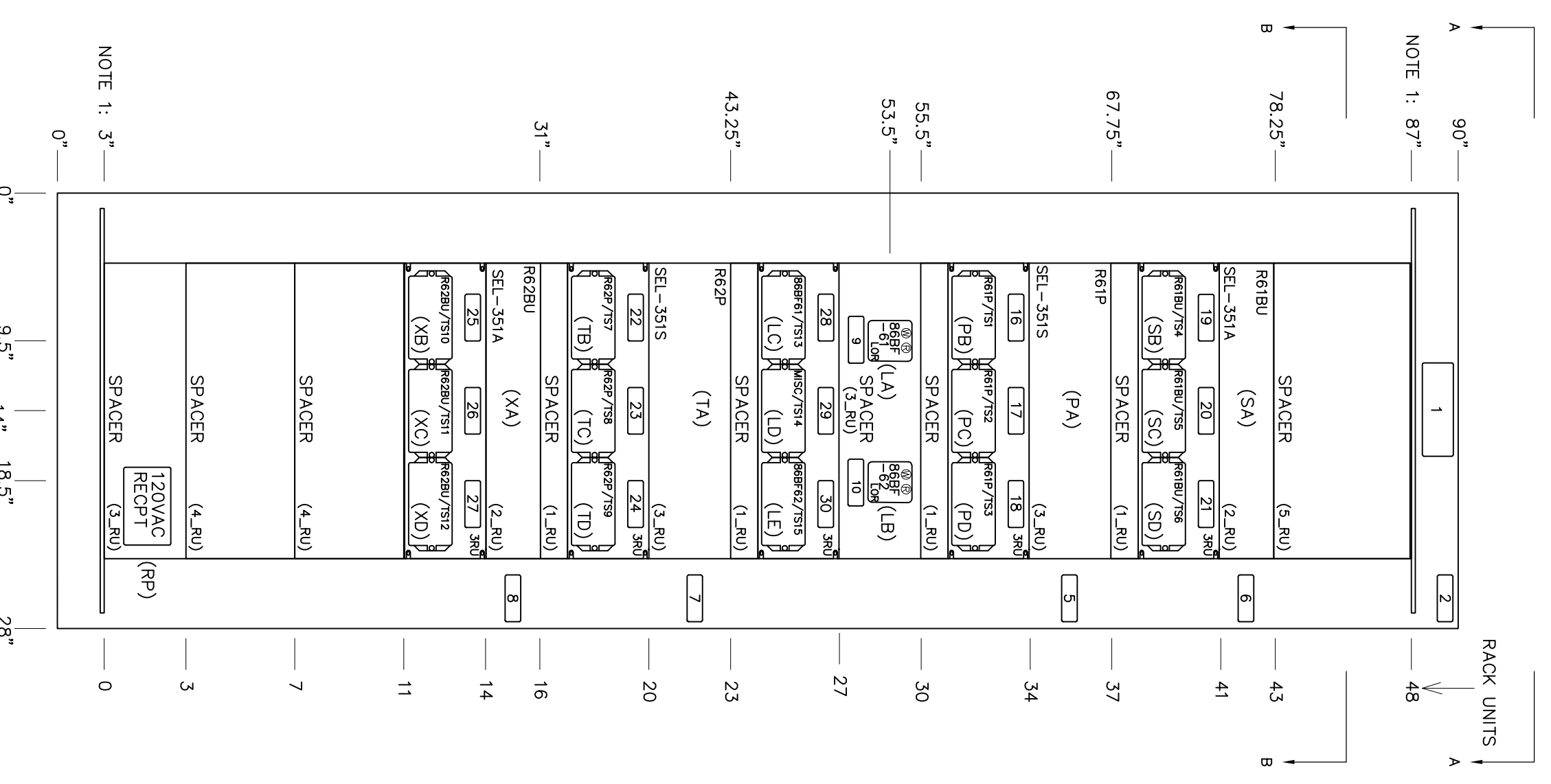
NO.	REVISIONS	DATE
A	PRELIMINARY	01/09/16

NO. 12/15

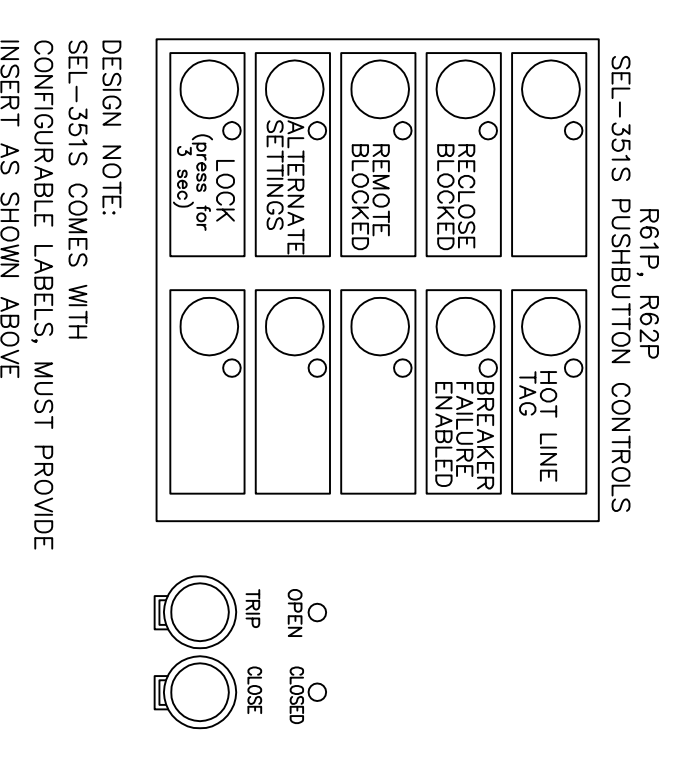
115KV CIRCUIT NO.'S 61 & 62
115KV BREAKER NO.'S. 61 & 62 CONTROL

PANEL 1 FRONT VIEW

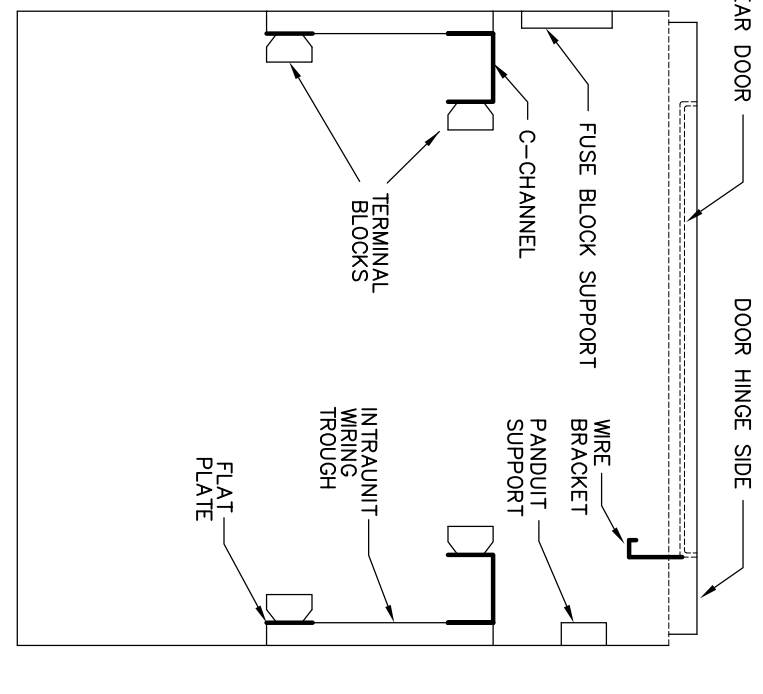
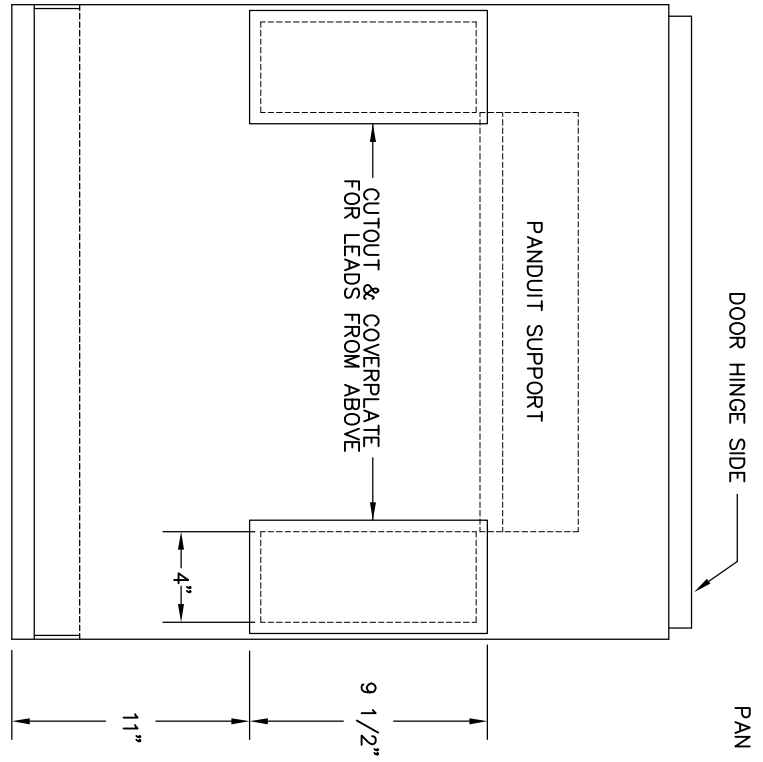
PANEL 1 SIDE VIEWS (INSIDE)



(XX): INDICATES WIRING DIAGRAM DEVICE DESIGNATION



DESIGN NOTE:
SEL-3515 COMES WITH CONFIGURABLE LABELS. MUST PROVIDE INSERT AS SHOWN ABOVE



NO.	ID NO.	FIG. NO.	CARD SIZE	FIRST LINE	SECOND LINE	THIRD LINE	REMARK
1		1/2	2 X 6	115KV CIRCUITS NO.61 & NO.62 RELAY	BREAKER 52-61 CONTROL	BREAKER 52-62 CONTROL	QTY: 2
2		1/2	1 X 3	PANEL NO. 1			QTY: 2
3							
4							
5		3/16	1 X 3	115KV CIRCUIT NO.61	PRIMARY RELAY (R61P)		
6		3/16	1 X 3	115KV CIRCUIT NO.61	BACKUP RELAY (R61BU)		
7		3/16	1 X 3	115KV CIRCUIT NO.62	PRIMARY RELAY (R62P)		
8		3/16	1 X 3	115KV CIRCUIT NO.62	BACKUP RELAY (R62BU)		
9		3/16	1 X 3	115KV BREAKER NO.61	BF LOCKOUT RELAY (88BF61)		
10		3/16	1 X 3	115KV BREAKER NO.61	BF LOCKOUT RELAY (88BF61)		
11		3/16	1 X 3	115KV BREAKER NO.62	BF LOCKOUT RELAY (88BF62)		
12							
13							
14							
15		3/16	1 X 3	SEL-3515 R61P	TEST SWITCH 1		
16		3/16	1 X 3	SEL-3515 R61P	TEST SWITCH 2		
17		3/16	1 X 3	SEL-3515 R61P	TEST SWITCH 3		
18		3/16	1 X 3	SEL-3515 R61P	TEST SWITCH 4		
19		3/16	1 X 3	SEL-351A R61BU	TEST SWITCH 5		
20		3/16	1 X 3	SEL-351A R61BU	TEST SWITCH 6		
21		3/16	1 X 3	SEL-351A R61BU	TEST SWITCH 7		
22		3/16	1 X 3	SEL-3515 R62P	TEST SWITCH 8		
23		3/16	1 X 3	SEL-3515 R62P	TEST SWITCH 9		
24		3/16	1 X 3	SEL-3515 R62P	TEST SWITCH 10		
25		3/16	1 X 3	SEL-351A R62BU	TEST SWITCH 11		
26		3/16	1 X 3	SEL-351A R62BU	TEST SWITCH 12		
27		3/16	1 X 3	88BF61 LOCKOUT RELAY	TEST SWITCH 13		
28		3/16	1 X 3	88BF62 LOCKOUT RELAY	TEST SWITCH 14		
29		3/16	1 X 3	MISCELLANEOUS	TEST SWITCH 15		
30		3/16	1 X 3	88BF62 LOCKOUT RELAY	TEST SWITCH 15		
31							
32							
33							
34							
35							
36							
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49							
50							
51	(UA)	1/8	1 X 3	115KV BUS NO.6 POTENTIAL	115VAC PH-N	A-15A B-15A C-15A	
52	(UB)	1/8	1 X 3	115KV LINE POTENTIAL	(FUTURE)	A-NIS	
53	(UC)	1/8	1 X 3	SPARE		X-15A X-NIS	
54	(UD)	1/8	1 X 3	LIGHT AND RECEPACLE	120 VAC		
55							
56							
57							
58							
59							
60							
61	(UG)	1/8	1 X 3	SEL-3515 R61P RELAY POWER	125 VDC	P-15A N-15A	
62	(UH)	1/8	1 X 3	SEL-351A R61BU RELAY POWER	125 VDC	P-15A N-15A	
63	(UI)	1/8	1 X 3	SEL-3515 R62P RELAY POWER	125 VDC	P-15A N-15A	
64	(UJ)	1/8	1 X 3	SEL-3515 R62P RELAY POWER	125 VDC	P-15A N-15A	
65	(UK)	1/8	1 X 3	SEL-351A R61BU RELAY POWER	125 VDC	P-15A N-15A	
66	(UL)	1/8	1 X 3	SEL-351A R61BU RELAY POWER	125 VDC	P-15A N-15A	
67	(UM)	1/8	1 X 3	52-62 BREAKER FAILURE LOCKOUT	125 VDC	P-30A N-30A	
68	(UN)	1/8	1 X 3	SPARE	125 VDC	P-NIS N-NIS	
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"PRELIMINARY - DO NOT USE FOR CONSTRUCTION"

NO.	REV.	DATE	BY	CHKD.
B	PRELIMINARY	03/22/16		

Booth & Associates, LLC
GREENVILLE UTILITIES
GREENVILLE, NORTH CAROLINA
GREENVILLE SOUTH 230KV POD #3
115KV CIRCUIT NO.'S 61 & 62
PANEL FRONT VIEW (PANEL NO.1)

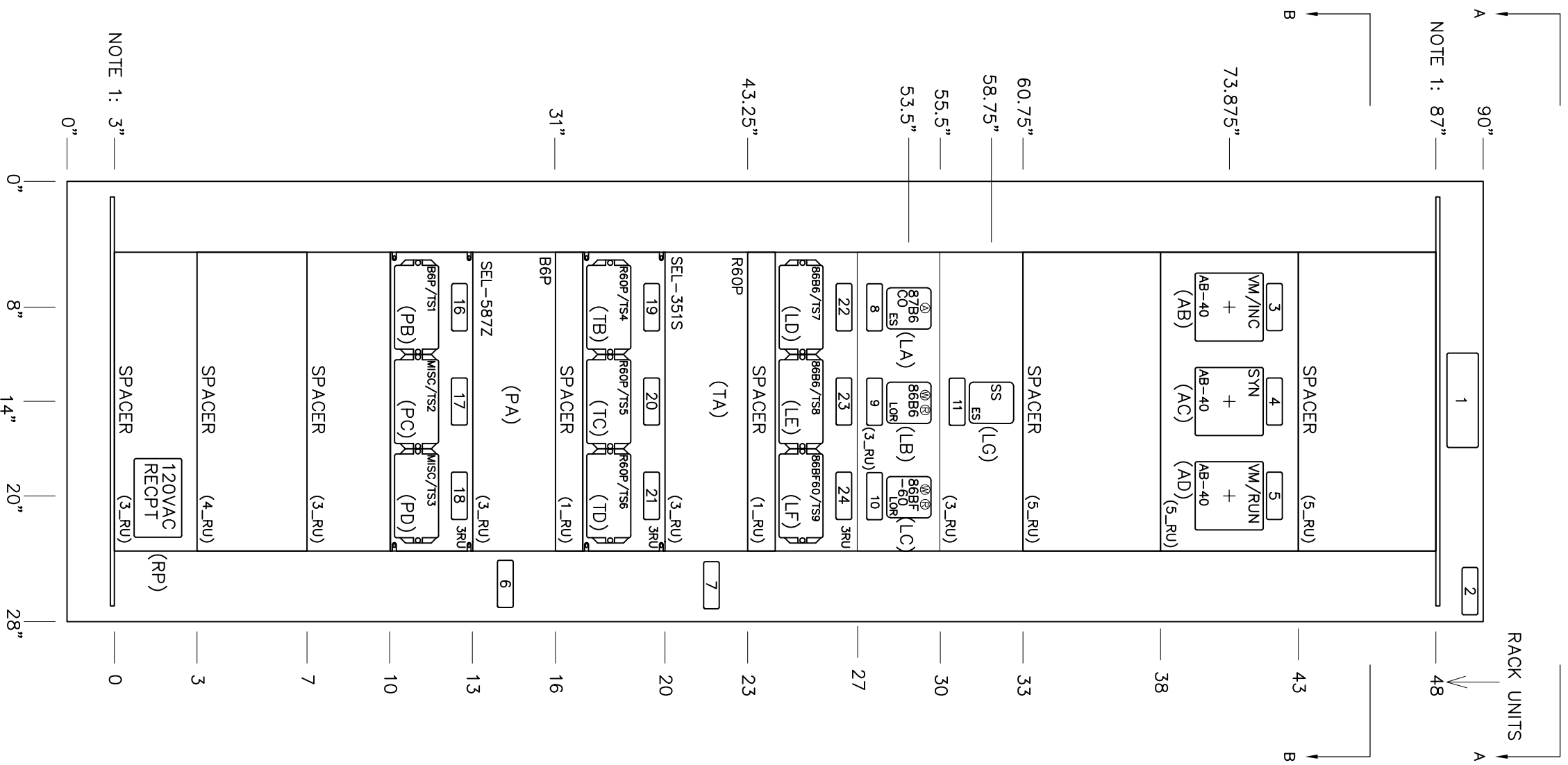
DATE	DWG. NO.
12/17/15	14022

14022-E021 (D 33629)DWG

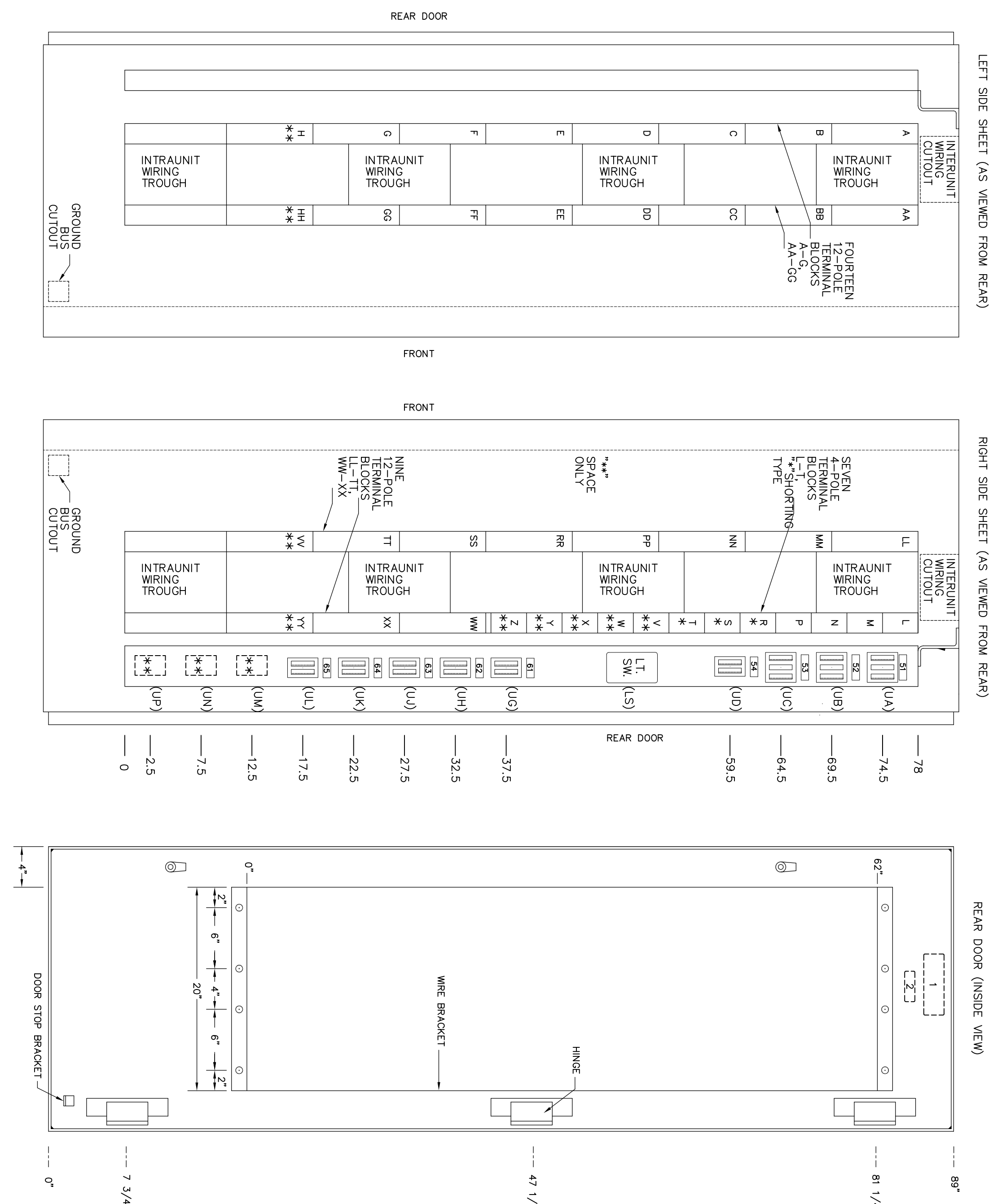
NOTES
1 - PANEL REINFORCEMENT PER PANEL STEEL DETAILS

115KV BUS NO.6 PROTECTION PANEL
115KV BREAKER NO. 60 CONTROL

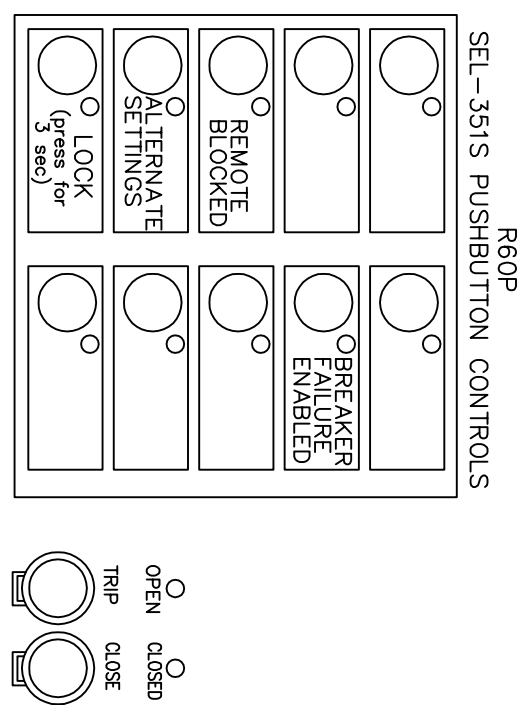
PANEL 2 FRONT VIEW



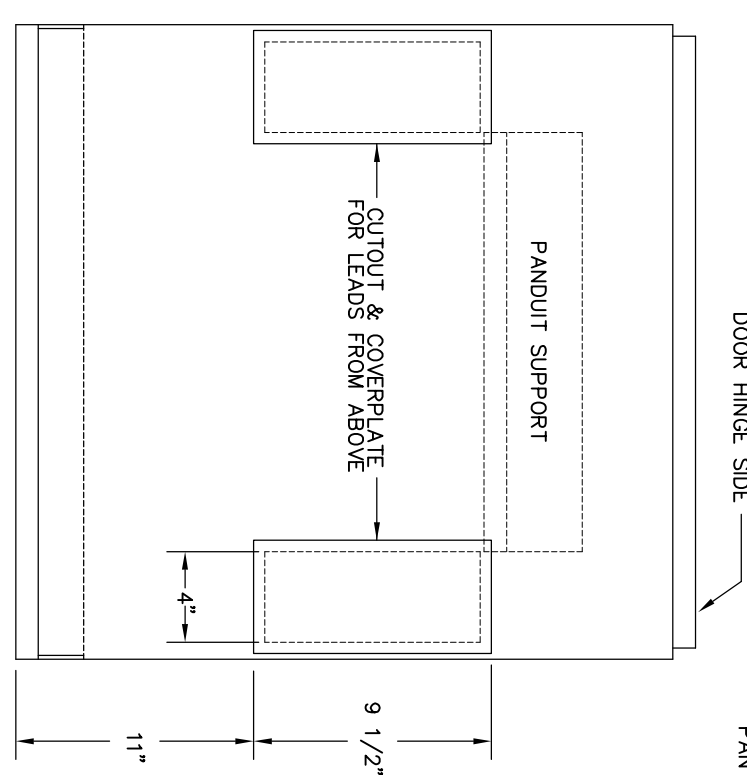
PANEL 2 SIDE VIEWS (INSIDE)



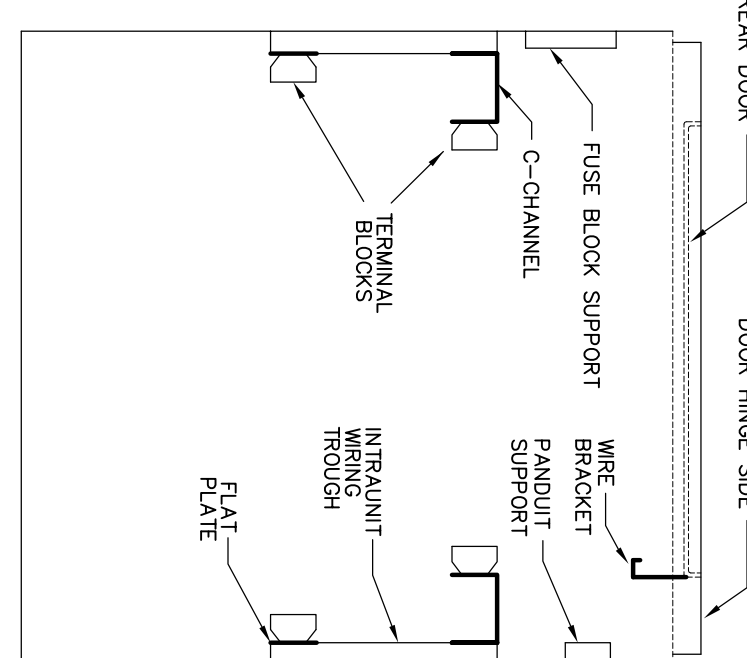
(XX): INDICATES WIRING DIAGRAM DEVICE DESIGNATION



DESIGN NOTE:
SEL-3515 COMES WITH CONFIGURABLE LABELS. MUST PROVIDE INSERT AS SHOWN ABOVE



SECTION A-A



SECTION B-B

ID NO.	FIG. NO.	CARD SIZE	FIRST LINE	SECOND LINE	THIRD LINE	REMARK
1	1/2	2 X 6	115KV BUS NO.6 RELAY	BREAKER 52-60 CONTROL		QTY: 2
2	1/2	1 X 3	PANEL NO. 2	INCOMING		QTY: 2
3	3/16	1 X 3	VOLTMETER			
4	3/16	1 X 3	SYNCHROSCOPE			
5	3/16	1 X 3	VOLTMETER	RUNNING		
6	3/16	1 X 3	115KV BUS NO.6	PRIMARY RELAY (BBP)		
7	3/16	1 X 3	115KV BREAKER NO.60	BREAKER RELAY (RBP)		
8	3/16	1 X 3	115KV BUS DIFFERENTIAL	OUTLET (B7B/C/D)		
9	3/16	1 X 3	115KV BUS BREAKER NO.60	LOCKOUT RELAY (BBB)		
10	3/16	1 X 3	115KV BUS BREAKER NO.60	B7 LOCKOUT RELAY (BBB/60)		
11	3/16	1 X 3	SYNCHRONIZING	SWITCH		
12						
13						
14						
15						
16	3/16	1 X 3	SEL-587Z BBP	TEST SWITCH 1		
17	3/16	1 X 3	MISCELLANEOUS	TEST SWITCH 2		
18	3/16	1 X 3	MISCELLANEOUS	TEST SWITCH 3		
19	3/16	1 X 3	SEL-3515 R60P	TEST SWITCH 4		
20	3/16	1 X 3	SEL-3515 R60P	TEST SWITCH 5		
21	3/16	1 X 3	SEL-3515 R60P	TEST SWITCH 6		
22	3/16	1 X 3	8886 LOCKOUT RELAY	TEST SWITCH 7		
23	3/16	1 X 3	8886 LOCKOUT RELAY	TEST SWITCH 8		
24	3/16	1 X 3	8886 LOCKOUT RELAY	TEST SWITCH 9		
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51	1/8	1 X 3	115KV BANK NO.6 POTENTIAL	115VAC PH-N	A-15A	B-15A
52	1/8	1 X 3	115KV BUS NO.6 POTENTIAL	115VAC PH-N	A-15A	B-15A
53	1/8	1 X 3	SPARE		A-15A	C-15A
54	1/8	1 X 3	LIGHT AND RECEPTABLE	120 VAC	X-15A	X-N1S
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61	1/8	1 X 3	SEL-587Z R60P RELAY POWER	125 VDC	P-15A	N-15A
62	1/8	1 X 3	SEL-587Z R60P RELAY POWER	125 VDC	P-15A	N-15A
63	1/8	1 X 3	SEL-587Z R60P RELAY POWER	125 VDC	P-15A	N-15A
64	1/8	1 X 3	5260 BREAKER FAILURE LOCKOUT	125 VDC	P-15A	N-15A
65	1/8	1 X 3	SPARE	125 VDC	P-15A	N-15A
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NOTES
1 - PANEL REINFORCEMENT PER PANEL STEEL DETAILS

GREENVILLE UTILITIES
GREENVILLE, NORTH CAROLINA

GREENVILLE SOUTH 230KV POD #3
115KV BUS NO.6 & BREAKER NO. 60
PANEL FRONT VIEW (PANEL NO.2)

Booth & Associates, LLC
DATE: 12/17/15
APPD. BOK
SCALE: NONE

PLT: 1:8

DWG. NO.
14022
E022

14022-E022 (ID 34560)DWG

PRELIMINARY
NO. REVISIONS
DATE

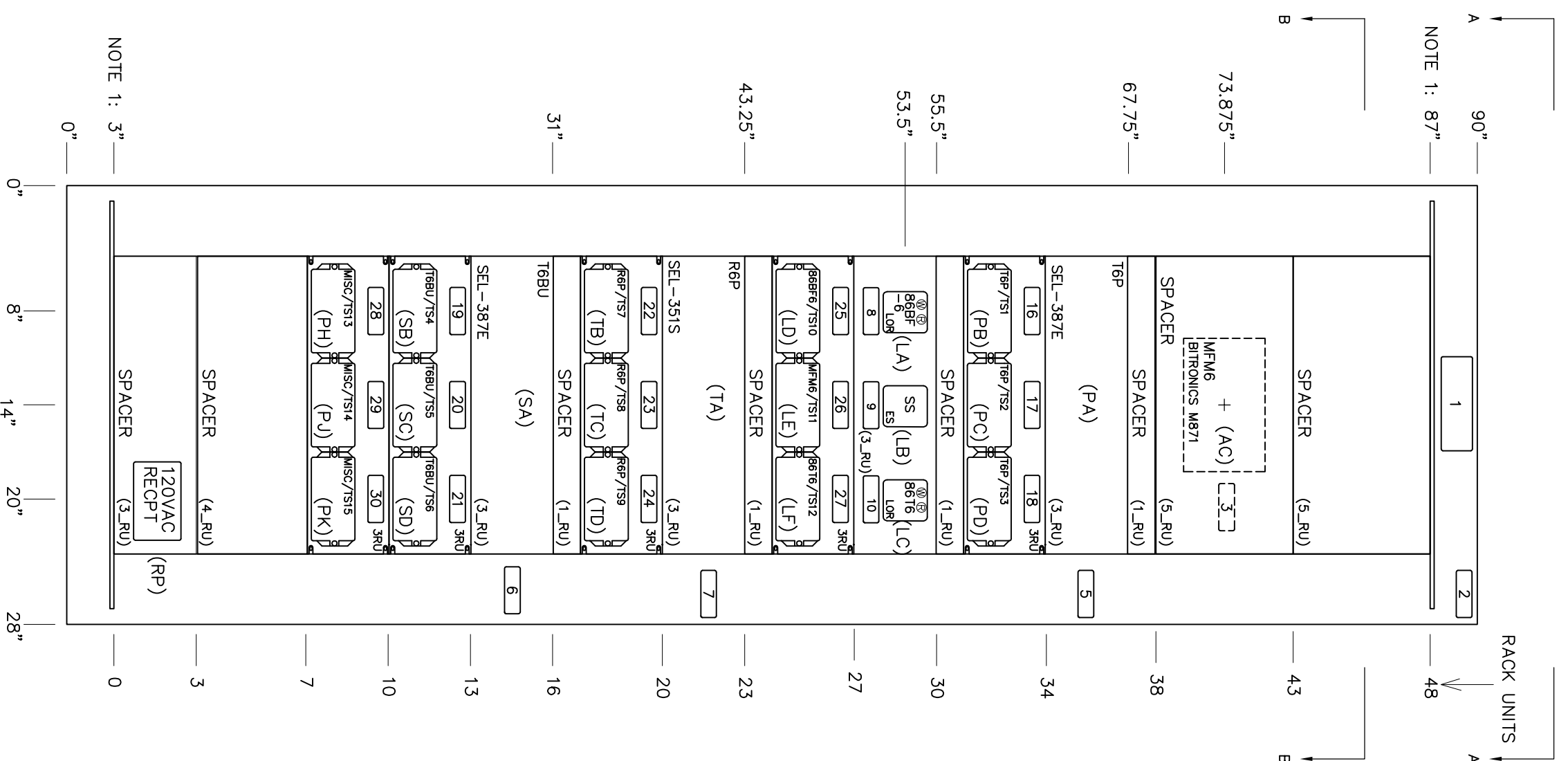
DATE: 03/22/16
NO. REVISIONS
DATE

DO NOT USE FOR CONSTRUCTION

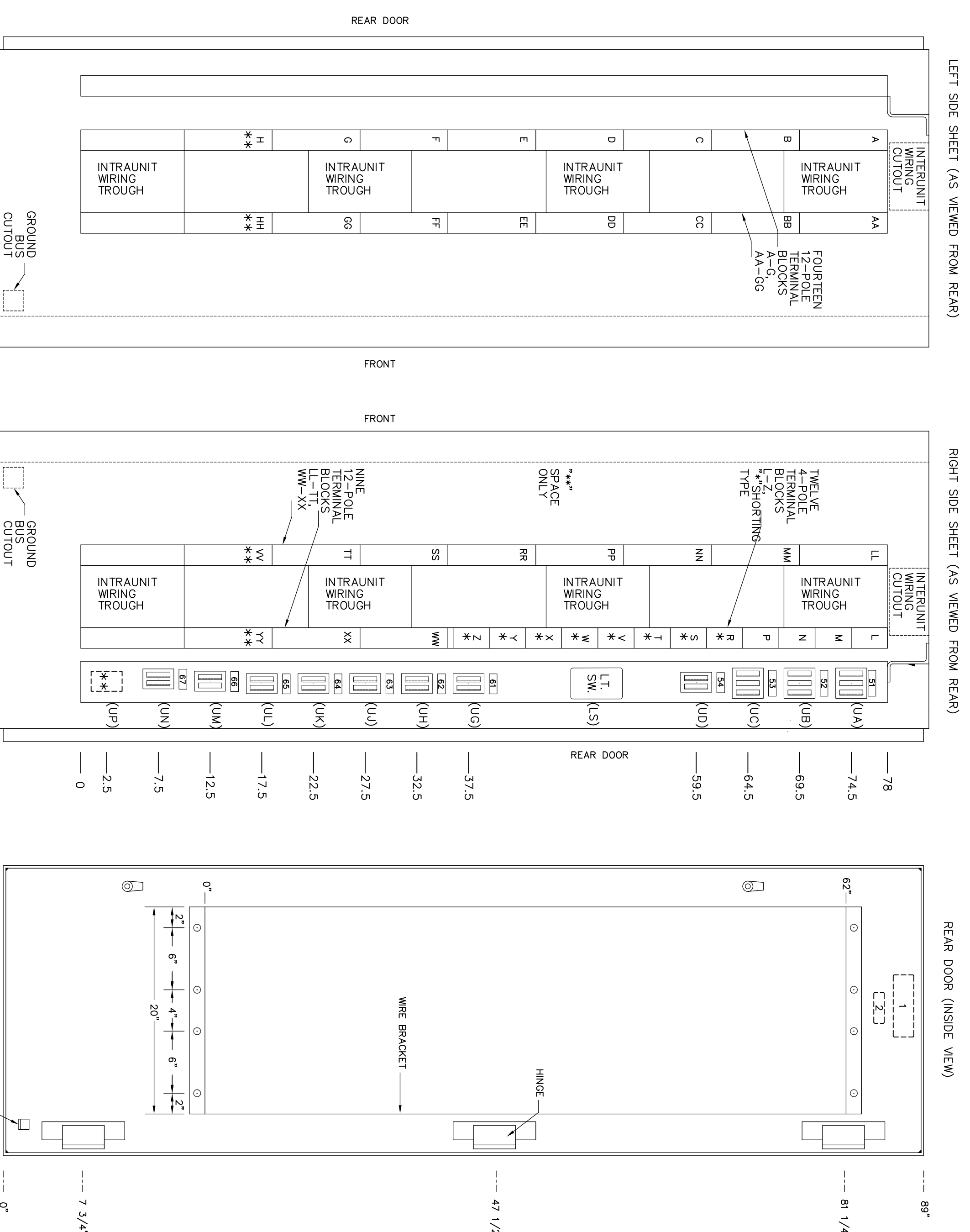
©12/15

230/115KV BANK NO.6 PROTECTION PANEL
230KV BREAKER NO. 6 CONTROL

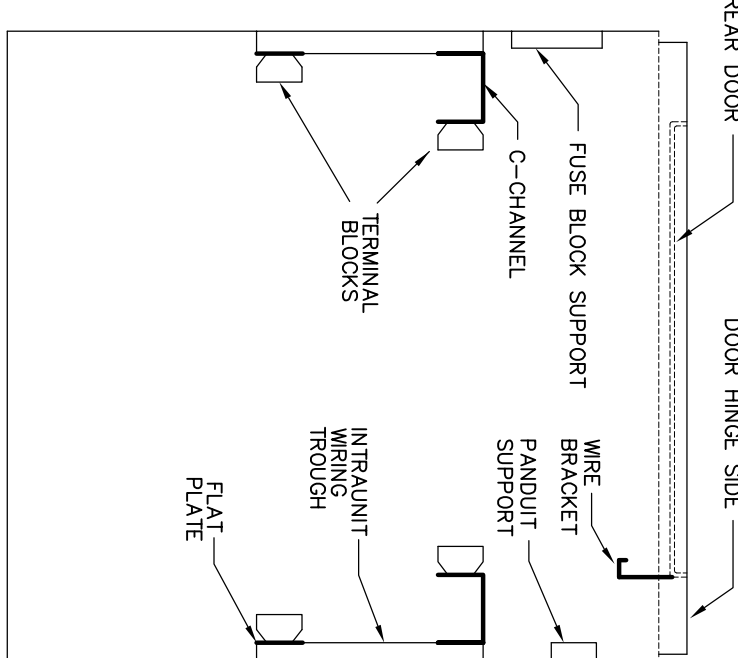
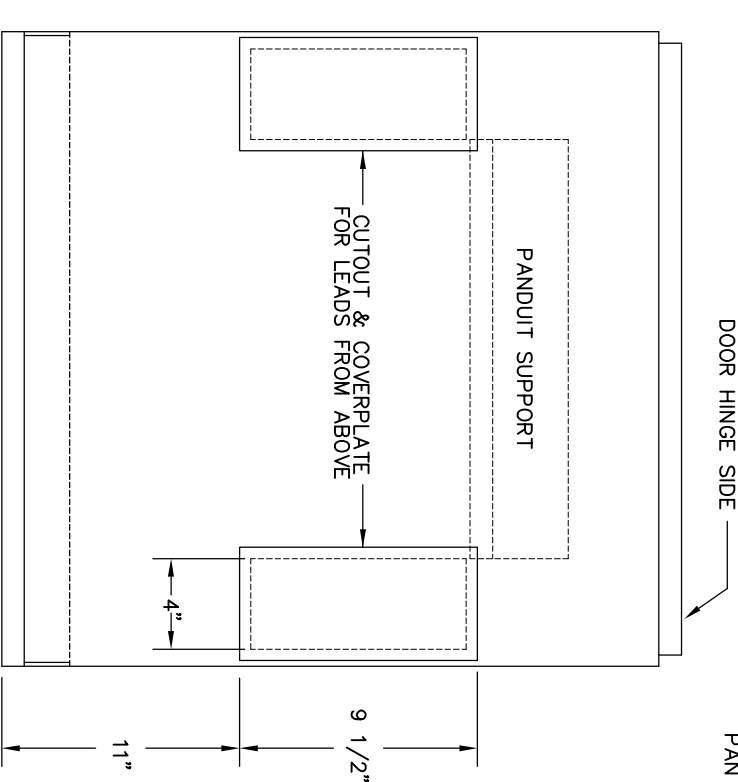
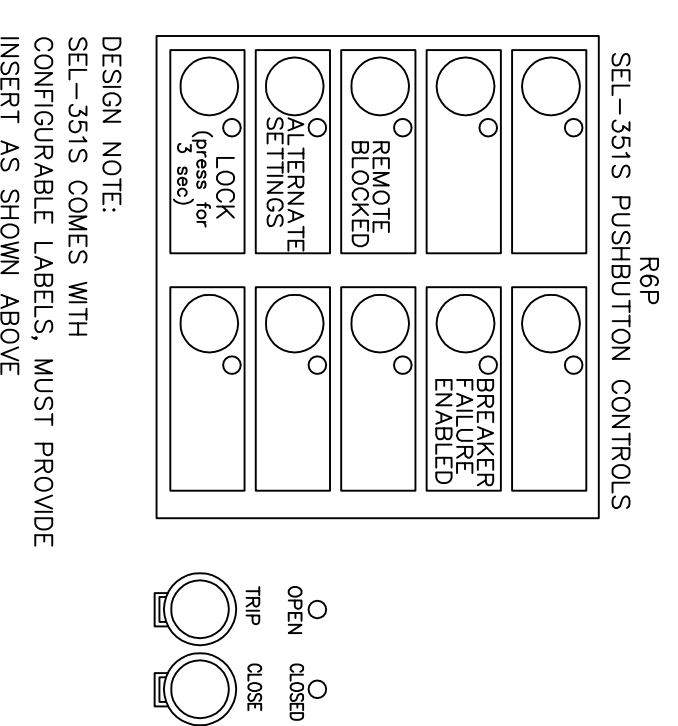
PANEL 3 FRONT VIEW



PANEL 3 SIDE VIEWS (INSIDE)



(XX): INDICATES WIRING DIAGRAM DEVICE DESIGNATION



NO.	ID NO.	FIG. NO.	CARD SIZE	FIRST LINE	SECOND LINE	THIRD LINE	REMARK
1		1/2	2 X 6	230/115KV BANK NO.6 RELAY	BREAKER 52-6 CONTROL		QTY: 2
2		1/2	1 X 3	PANEL NO. 3			QTY: 2
3		3/16	1 X 3	BANK NO.6 METERING (MFM6)			
4							
5		3/16	1 X 3	TRANSFORMER NO.6	PRIMARY RELAY (TRP)		
6		3/16	1 X 3	TRANSFORMER NO.6	BACKUP RELAY (TRBU)		
7		3/16	1 X 3	230KV BREAKER NO.6	BREAKER RELAY (TRB)		
8		3/16	1 X 3	230KV BREAKER NO.6	BF LOCKOUT RELAY (TRBF6)		
9		3/16	1 X 3	230KV BREAKER NO.6	TRIP LOCKOUT RELAY (TRTR6)		
10		3/16	1 X 3	230KV BREAKER NO.6	TRIP LOCKOUT RELAY (TRTR6)		
11		3/16	1 X 3	TRANSFORMER NO.6	LOOKOUT RELAY (TR618)		
12							
13							
14							
15		3/16	1 X 3	SEL-387E TRP	TEST SWITCH 1		
16		3/16	1 X 3	SEL-387E TRP	TEST SWITCH 2		
17		3/16	1 X 3	SEL-387E TRP	TEST SWITCH 3		
18		3/16	1 X 3	SEL-387E TRP	TEST SWITCH 4		
19		3/16	1 X 3	SEL-387E TRBU	TEST SWITCH 5		
20		3/16	1 X 3	SEL-387E TRBU	TEST SWITCH 6		
21		3/16	1 X 3	SEL-387E TRBU	TEST SWITCH 7		
22		3/16	1 X 3	SEL-3515 RBP	TEST SWITCH 8		
23		3/16	1 X 3	SEL-3515 RBP	TEST SWITCH 9		
24		3/16	1 X 3	SEL-3515 RBP	TEST SWITCH 10		
25		3/16	1 X 3	SEL-3515 RBP	TEST SWITCH 11		
26		3/16	1 X 3	RELAYING (MFM6)	TEST SWITCH 12		
27		3/16	1 X 3	RELAYING (MFM6)	TEST SWITCH 13		
28		3/16	1 X 3	MISCELLANEOUS	TEST SWITCH 14		
29		3/16	1 X 3	MISCELLANEOUS	TEST SWITCH 15		
30		3/16	1 X 3	MISCELLANEOUS			
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51		1/8	1 X 3	230KV BUS POTENTIAL	115VAC PH-N	A-15A	B-15A
52		1/8	1 X 3	230KV BANK NO.6 POTENTIAL	115VAC PH-N	A-15A	B-15A
53		1/8	1 X 3	115KV BANK POTENTIAL / LTC	115VAC PH-N	A-15A	C-15A
54		1/8	1 X 3	LIGHT AND RECEPTACLE	120 VAC	X-15A	X-NIS
55							
56							
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60							
61		1/8	1 X 3	SEL-3515 RBP RELAY POWER	125 VDC	P-15A	N-15A
62		1/8	1 X 3	SEL-387E TRP RELAY POWER	125 VDC	P-15A	N-15A
63		1/8	1 X 3	SEL-387E TRBU RELAY POWER	125 VDC	P-15A	N-15A
64		1/8	1 X 3	52-6 BREAKER FAILURE LOCKOUT	125 VDC	P-30A	N-30A
65		1/8	1 X 3	8616 BANK LOCKOUT	125 VDC	P-15A	N-15A
66		1/8	1 X 3	BITRONICS M871 LED POWER	125 VDC	P-15A	N-15A
67		1/8	1 X 3	SPARE	125 VDC	P-NIS	N-NIS
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NOTES
1 - PANEL REINFORCEMENT PER PANEL STEEL DETAILS

"PRELIMINARY - DO NOT USE FOR CONSTRUCTION"

GREENVILLE UTILITIES
GREENVILLE, NORTH CAROLINA

GREENVILLE SOUTH 230KV POD #3
230/115KV BANK NO.6 & BKR. NO. 6
PANEL FRONT VIEW (PANEL NO.3)

Booth & Associates, LLC
14022-EO23 (ID 34363)DWG

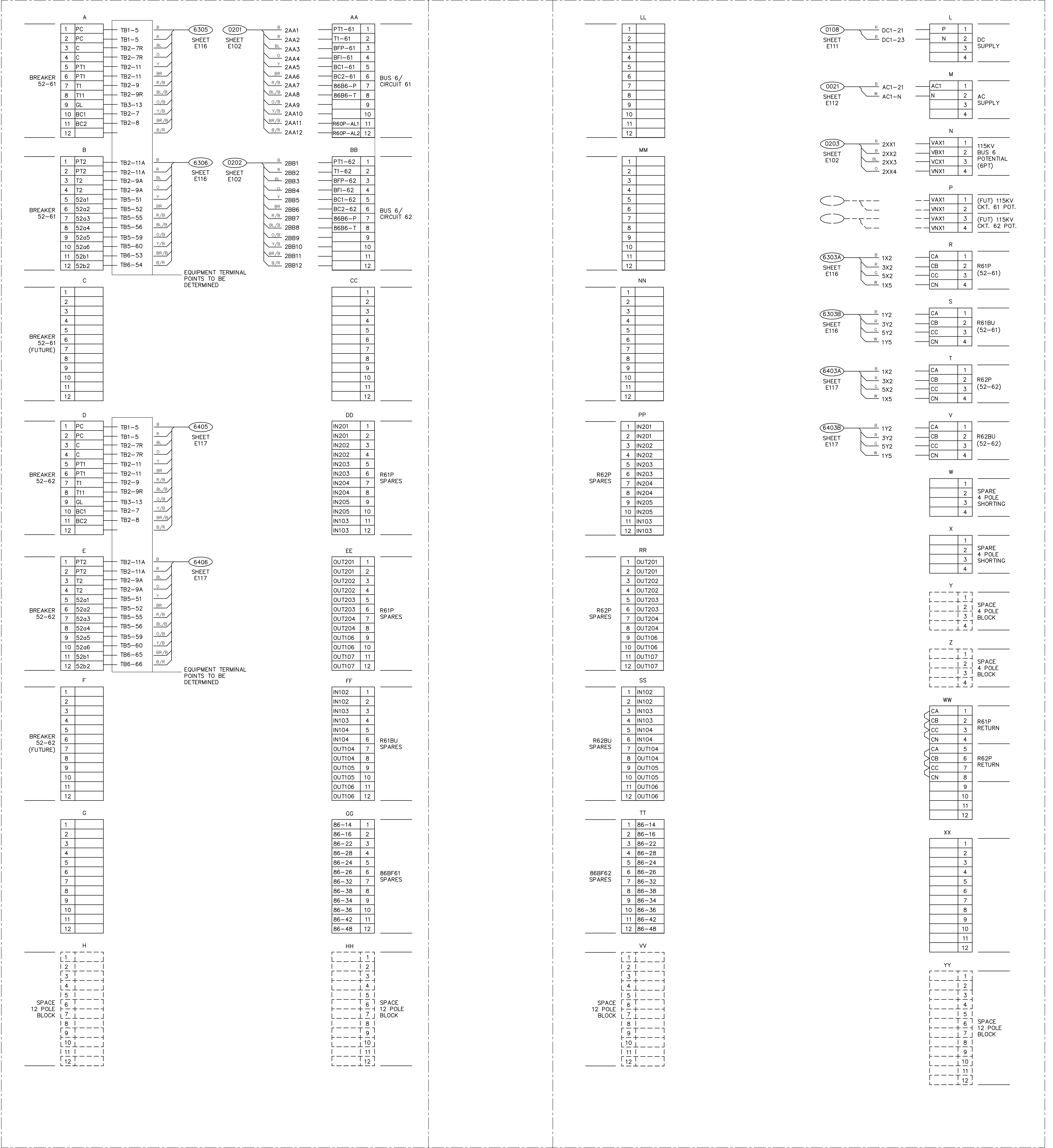
NO.	REVISIONS	DATE	BY	CHKD. BY	DATE
B	PRELIMINARY	03/22/16			

DATE: 12/17/15
SCALE: N/A
DWG. NO.: 14022-EO23

SWITCHBOARD No. 1
CIRCUIT NO's. 61 & 62

LEFT SIDE

RIGHT SIDE



LEFT SIDE

FRONT

RIGHT SIDE

SWITCHBOARD No. 1
PANEL REAR VIEW

PRELIMINARY - DO NOT USE FOR CONSTRUCTION

NO.	REVISIONS	DATE	SCALE	BY	CHECKED
B	PRELIMINARY	02/17/16	NONE	DML, BSW	
				CDL, BSW	
				APP, BSW	
				PLD, I-1	

DATE: 12/29/15
DWG. NO. 14022-E101
SCALE: NONE

GREENVILLE UTILITIES
GREENVILLE, NORTH CAROLINA
GREENVILLE SOUTH 230KV POD #3
115KV CIRCUIT NO'S 61 & 62
INTERCONNECTION DIAGRAM (PANEL NO. 1)

Booth & Associates, LLC
1000 W. GREENVILLE AVENUE, SUITE 200
GREENVILLE, NC 27601
TEL: 864.432.1100

LEGEND
⊕ SHIELDED CABLE

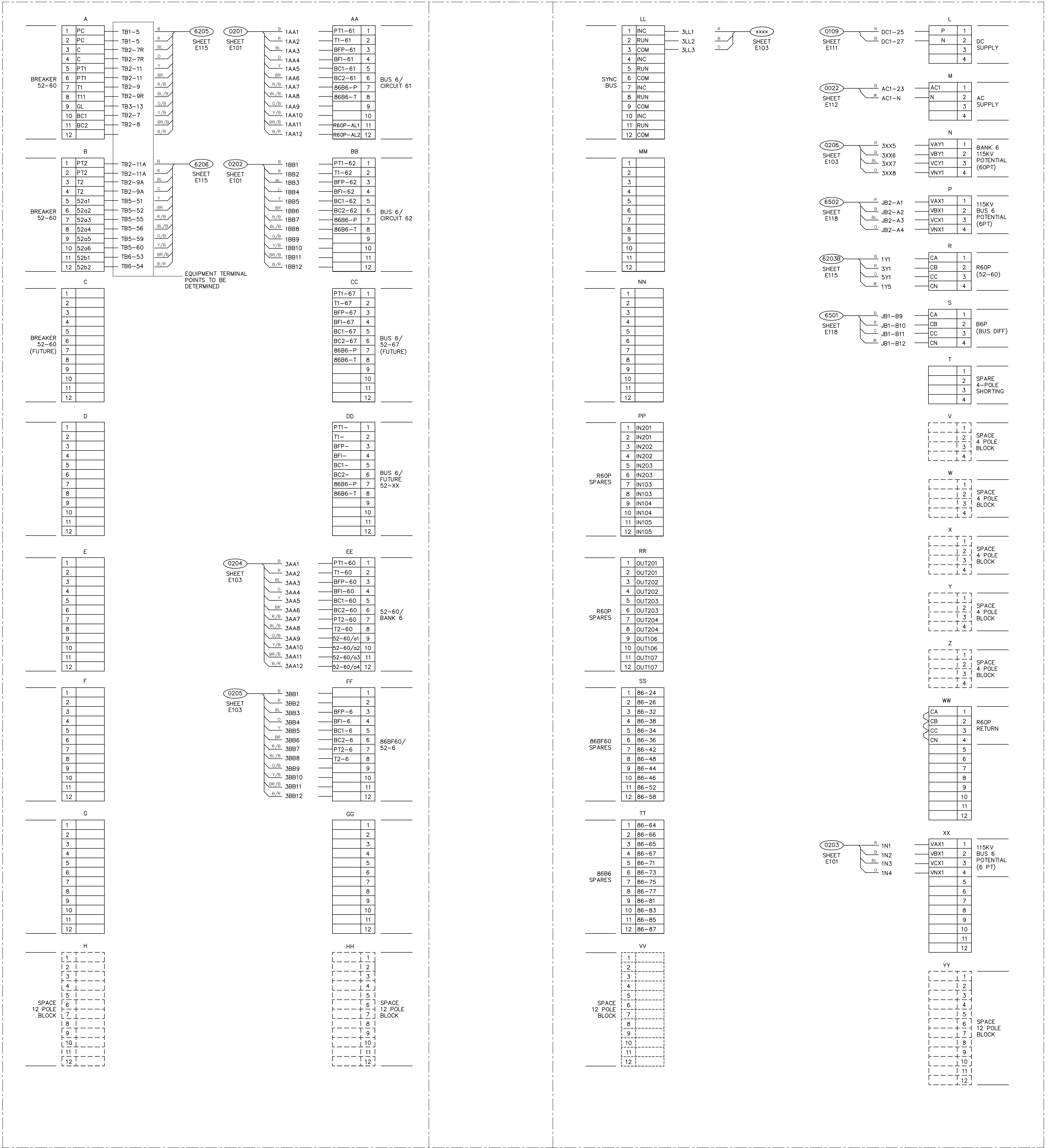
NOTES:

- CURRENT CIRCUITS AND AC STATION SERVICE CIRCUITS USE ICEA METHOD 1 TABLE E1 CABLE; CIRCUITS SHALL OBSERVE THE FOLLOWING COLOR CODES:
CURRENT CIRCUITS: A- BLACK B- RED C- GREEN N- WHITE
AC CIRCUITS: X- BLACK Y- RED G- GREEN N- WHITE
- POTENTIAL CIRCUITS, DC CIRCUITS, AND CONTROL CABLES USE ICEA METHOD 1 TABLE E2 CABLE; CIRCUITS SHALL OBSERVE THE FOLLOWING COLOR CODES:
POTENTIAL CIRCUITS: A- RED B- BLACK C- BLUE N- ORANGE
DC CIRCUITS: POS- RED NEG- BLACK

SWITCHBOARD No. 2
BUS NO. 6 & BREAKER NO. 60

LEFT SIDE

RIGHT SIDE



LEFT SIDE

FRONT

RIGHT SIDE

SWITCHBOARD No. 2
PANEL REAR VIEW

PRELIMINARY - DO NOT USE FOR CONSTRUCTION

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NO.	REVISIONS	DATE	SCALE	BY	CHKD.	APP'D.
B	PRELIMINARY	02/17/16	NONE	D.M. B.C.W.		
				C.O. B.C.W.		
				S.K.E. B.C.W.		

GREENVILLE UTILITIES
GREENVILLE, NORTH CAROLINA
GREENVILLE SOUTH 230KV POD #3
115KV BUS NO. 6 & BREAKER NO. 60
INTERCONNECTION DIAGRAM (PANEL NO. 2)

Booth & Associates, LLC
14022-ET02 (ID: 34712).DWG

LEGEND
SHIELDED CABLE

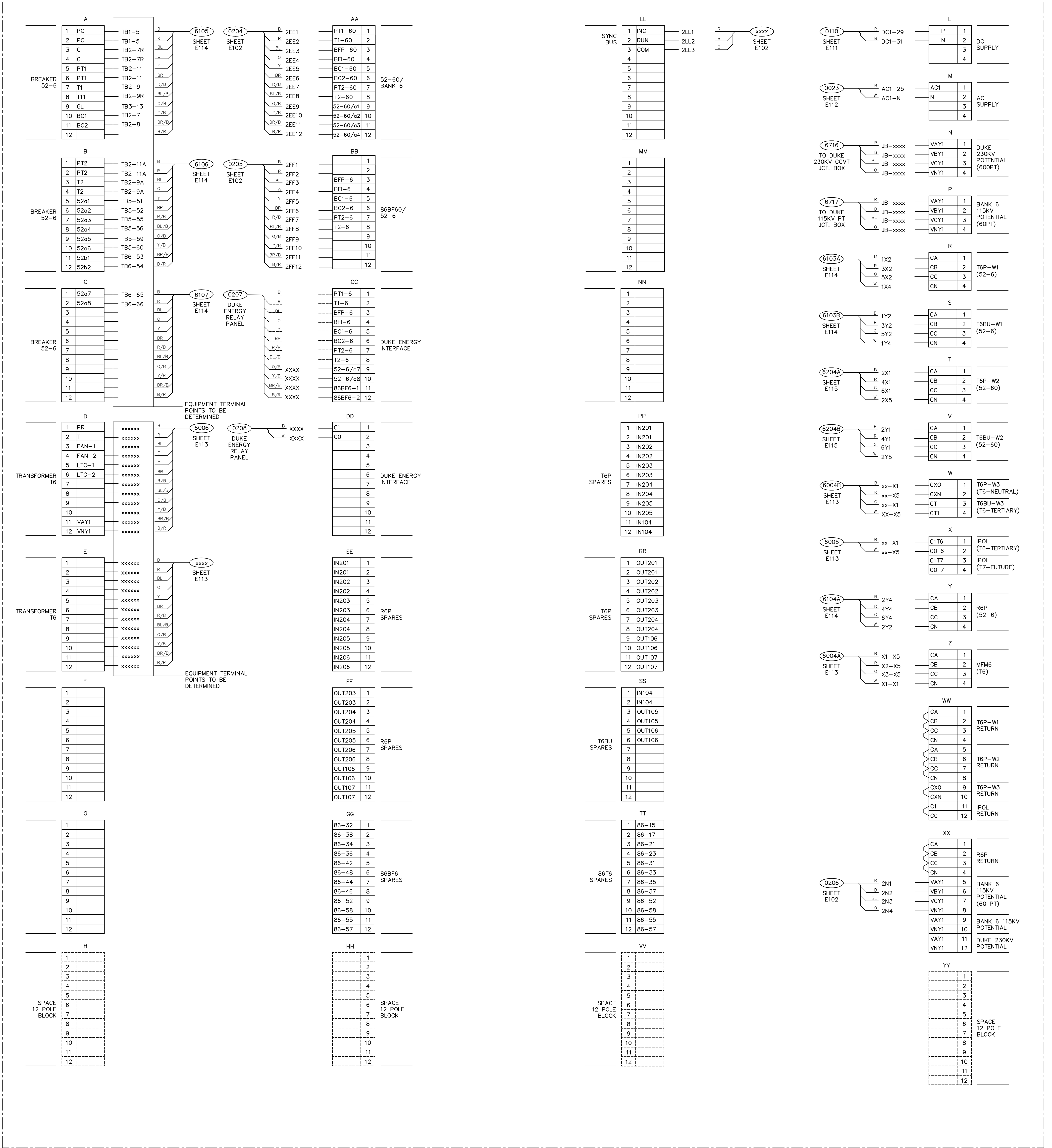
NOTES:

- CURRENT CIRCUITS AND AC STATION SERVICE CIRCUITS USE ICEA METHOD 1 TABLE E1 CABLE; CIRCUITS SHALL OBSERVE THE FOLLOWING COLOR CODES:
CURRENT CIRCUITS: A- BLACK B- RED C- GREEN N- WHITE
AC CIRCUITS: X- BLACK Y- RED G- GREEN N- WHITE
- POTENTIAL CIRCUITS, DC CIRCUITS, AND CONTROL CABLES USE ICEA METHOD 1 TABLE E2 CABLE; CIRCUITS SHALL OBSERVE THE FOLLOWING COLOR CODES:
POTENTIAL CIRCUITS: A- RED B- BLACK C- BLUE N- ORANGE
DC CIRCUITS: POS- RED NEG- BLACK

SWITCHBOARD No. 3
BANK NO.6 & BREAKER NO. 6

LEFT SIDE

RIGHT SIDE



LEFT SIDE

FRONT

RIGHT SIDE

SWITCHBOARD No. 3
PANEL REAR VIEW

PRELIMINARY - DO NOT USE FOR CONSTRUCTION

© 12/15

NO. REVISIONS

DATE

DATE: 12/29/15

DWG. NO. 14022 E103

SCALE: NONE

PROJECT: 1:1

GREENVILLE UTILITIES
GREENVILLE, NORTH CAROLINA

Booth & Associates, LLC

GREENVILLE SOUTH 230KV POD #3
230/115KV BANK NO.6 & BRK. NO. 6
INTERCONNECTION DIAGRAM (PANEL NO.3)

DATE: 12/29/15

APP'D. BCW

SCALE: NONE

DWG. NO. 14022 E103

PROJECT: 1:1

LEGEND

SHIELDED CABLE

NOTES:

- CURRENT CIRCUITS AND AC STATION SERVICE CIRCUITS USE ICEA METHOD 1 TABLE E1 CABLE. CIRCUITS SHALL OBSERVE THE FOLLOWING COLOR CODES:
CURRENT CIRCUITS: A- BLACK B- RED C- GREEN N- WHITE
AC CIRCUITS: X- BLACK Y- RED G- GREEN N- WHITE
- POTENTIAL CIRCUITS, DC CIRCUITS, AND CONTROL CABLES USE ICEA METHOD 1 TABLE E2 CABLE. CIRCUITS SHALL OBSERVE THE FOLLOWING COLOR CODES:
POTENTIAL CIRCUITS: A- RED B- BLACK C- BLUE N- ORANGE
DC CIRCUITS: POS- RED NEG- BLACK