

CODE SUMMARY

- 2006-2015 INTERNATIONAL BUILDING CODE
- 2009-2012 UNIFORM MECHANICAL CODE
- 2006-2015 INTERNATIONAL MECHANICAL CODE
- 2004 CHICAGO BUILDING CODE
- 2013 KENTUCKY BUILDING CODE
- 2015 MINNESOTA STATE BUILDING CODE
- 2015 MINNESOTA STATE MECHANICAL CODE (CH. 1346-2012 IMC & 2012 IFGC W/ AMEND.)
- 2015 MINNESOTA STATE ENERGY CODE (CH. 1323)
- 2009 NEW MEXICO COMMERCIAL BUILDING CODE
- 2014 NEW MEXICO ELECTRICAL CODE
- 2009 NEW MEXICO MECHANICAL CODE
- 2012 MICHIGAN BUILDING CODE
- 2012 MICHIGAN MECHANICAL CODE
- 2011 MICHIGAN ELECTRICAL CODE
- 2013 CALIFORNIA BUILDING CODE
- 2013 CALIFORNIA GREEN BUILDING STANDARDS
- 2013 CALIFORNIA ENERGY CODE TITLE 24
- 2013 CALIFORNIA ELECTRICAL CODE
- 2013 CALIFORNIA FIRE CODE
- 2013 CALIFORNIA TITLE 25
- 2010 NEW YORK CITY BUILDING CODE
- 2010 NEW YORK STATE BUILDING CODE
- 2010 NEW YORK STATE ELECTRICAL CODE
- 2010 NEW YORK STATE MECHANICAL CODE
- 2010 NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE
- 2010 NEW YORK STATE FIRE CODE
- NORTH DAKOTA ELECTRICAL WIRING STANDARDS
- 2014 FLORIDA BUILDING CODE
- 2014 FLORIDA BUILDING CODE MECHANICAL
- 2014 FLORIDA BUILDING CODE FUEL GAS
- 8TH MASSACHUSETTS STATE BUILDING CODE
- 2011 OHIO BUILDING CODE
- 2011 OHIO MECHANICAL CODE
- 2011 OHIO FIRE CODE
- 2014 OREGON STRUCTURAL SPECIALITY CODE
- 2014 OREGON MECHANICAL SPECIALITY CODE
- 2014 OREGON ENERGY EFFICIENCY SPECIALITY CODE
- 2012 NORTH CAROLINA BUILDING CODE
- 2011 NORTH CAROLINA ELECTRICAL CODE
- 2012 NORTH CAROLINA MECHANICAL CODE
- 2012 NORTH CAROLINA ENERGY CONSERVATION CODE
- 2012 TEXAS ACCESSIBILITY STANDARDS
- 1996-2014 NATIONAL ELECTRICAL CODE
- 2004,2007,2010,2013 ASHRAE 90.1
- 2006,2009,2012,2015 INTERNATIONAL ENERGY CONSERVATION CODE
- 2000,2003,2005,2006,2009,2012 NFPA 101 LIFE SAFETY CODE
- 2009,2012 INTERNATIONAL FUEL GAS CODE
- 2012 NFPA 1 UNIFORM FIRE CODE WITH 2013 AMENDMENTS
- 2002 ARKANSAS FIRE PREVENTION CODE
- 2012 NORTH CAROLINA FIRE PREVENTION CODE
- RHODE ISLAND FIRE SAFETY CODE

NOTES

1. LISTED CODES INCLUDE LATEST STATE ADOPTED AMENDMENTS AND APPENDICES.
2. THIS SHELTER IS AN "ENCLOSED STRUCTURE" NOT INTENDED FOR HUMAN HABITATION.
3. APPROVED MODEL MAY BE MIRROR IMAGE.
4. OCCUPANT LOAD = 0, OHIO = 2
5. SPECIAL CONDITIONS AND PERMISSIBLE TYPES OF GASES: N/A
6. SHELTER HAS NO COUNTY PLACEMENT RESTRICTION IN THE STATE OF MARYLAND.
7. STATE INSIGNIA LABEL/DECAL IS LOCATED NEAR MAIN ELECTRICAL SERVICE PANEL.
8. DOOR MUST BE MINIMUM 90 MINUTE FIRE RATED IF USED IN 2 HOUR FIRE RATED SHELTER AND MINIMUM 45 MINUTE FIRE RATED IF USED IN 1 HOUR FIRE RATED SHELTER.
9. NOT SUBJECT TO FLORIDA FIRE SAFETY CODE, COMPLIANCE IS THE RESPONSIBILITY OF THE LOCAL JURISDICTION CODE OFFICIAL.
10. ACCESS TO SHELTER SHALL COMPLY WITH MARYLAND ACCESSIBILITY CODE COMAR .05.02.02.07/ADAAG SECTION 4.1.2.
11. APPLICABLE INTERNAL PRESSURE COEFFICIENT (N/A) - THESE SHELTERS CONFORM TO THE REQUIREMENTS OF (2000,03,06,09 IBC), ASCE 7-05, METHOD 1 SIMPLIFIED PROCEDURE; (2012,15 IBC, 2014 FBC) ASCE 7-10 SIMPLIFIED DIAPHRAM LOW-RISE BUILDINGS.
12. WIND IMPORTANCE FACTOR - IW = 1.000
13. THESE PLANS ARE DESIGNED TO BE USED FOR THE CONSTRUCTION OF COMMERCIAL MODULAR UNITS, IN ACCORDANCE WITH CA HEALTH AND SAFETY CODE SECTION 18028, 1991 UBC, 1993 NEC, ANSI A117.1-1986.
14. HVAC UNITS ARE SIZED PER CUSTOMER REQUIREMENTS.
15. EXTERNAL GROUNDING BY OTHERS.
16. SHELTER CONSTRUCTED IN ACCORDANCE WITH 61G20-3.006.
17. THIS BUILDING DOES NOT CONTAIN PLUMBING FACILITIES. PLUMBING FACILITIES SHALL BE PROVIDED ON SITE SUBJECT TO THE LOCAL AUTHORITY HAVING JURISDICTION.

INDEX OF SHEETS

- 0-0 COVER SHEET
- 0-1 PARTS LIST
- 0-2 PARTS LIST (CONTINUED)
- 0-3 PARTS LIST (CONTINUED)
- 0-4 SHOP DETAILS/CUT LIST
- 0-5 OPTIONAL COMPONENTS LIST
- 0-6 OPTIONAL COMPONENTS LIST CONTINUED
- *1-0 EXTERIOR ELEVATION "A"
- *1-1 EXTERIOR ELEVATION "C" (OPTIONAL)
- *1-2 EXTERIOR ELEVATION "B"
- *1-3 EXTERIOR ELEVATION "D"
- 2-0 FLOOR PLAN
- 2-1 EQUIPMENT LAYOUT
- 2-2 REFLECTED CEILING PLAN - OVERLAY
- 3-0 REFLECTED CEILING PLAN - ELECTRICAL
- 3-1 REFLECTED CEILING PLAN - MECHANICAL
- 4-0 INTERIOR ELEVATIONS "A" ELECTRICAL
- 4-1 INTERIOR ELEVATION "C" ELECTRICAL (OPTIONAL)
- 4-2 INTERIOR ELEVATION "B" ELECTRICAL
- 4-3 INTERIOR ELEVATION "D" ELECTRICAL
- 5-0 INTERIOR ELEVATION "A" & "C" MECHANICAL
- 5-1 INTERIOR ELEVATION "B" MECHANICAL
- 5-2 INTERIOR ELEVATION "D" MECHANICAL
- 5-3 INTERIOR GROUND BAR DETAILS
- 5-4 TELCO & EXTERIOR GROUND BAR DETAILS
- 5-5 GENERAL NOTES & CONDUIT DETAILS
- *6-0 ELECTRICAL SCHEMATIC
- 6-1 LOW VOLTAGE WIRING SCHEMATIC
- 6-2 HVAC WIRING SCHEMATIC OPT. P1
- 6-3 HVAC WIRING SCHEMATIC OPT. P2
- 6-4 SMOKE SUPPRESSION SCHEMATIC
- 6-5 LOW VOLTAGE WIRING GEN. INTERFACE
- 7-0 TELCO BOARD DETAILS

* = DENOTES SHEETS WHICH MAY CONTAIN FIELDWORK

REFERENCE DRAWINGS

- 108-001-01 6" SLAB FOUNDATION PLAN (FLAT TIE DOWN)
- 108-002 6" SLAB FOUNDATION PLAN (ANGLE TIE DOWN)
- 108-007 ABBREVIATIONS AND SYMBOLS
- 108-008 CONCRETE SHELTER PANEL CONNECTION DETAILS
- 108-015 GENERAL ELECTRICAL NOTES & LEGEND
- 108-016 GENERAL CASTING SPECIFICATIONS
- 108-035 CONCRETE SHELTER INTERIOR INSULATION/PANEL INSTALL. DETAILS
- 108-087 CANOPY FIELD INSTALLATION
- 108-088 SHELTER LIFTING DETAILS
- 108-089 SHELTER LOADING DETAILS
- 108-127 ALARM BLOCK TERMINATION LOCATIONS

STRUCTURAL DRAWINGS (MANUFACTURE ONLY)

- S1 OF 6 STRUCTURAL SPECIFICATIONS
- S2 OF 6 STRUCTURAL LAYOUT - END WALL "A"
- S3 OF 6 STRUCTURAL LAYOUT - SIDE WALL "B"
- S4 OF 8 MESH LAYOUT - SIDE WALL "B"
- S5 OF 6 STRUCTURAL LAYOUT - END WALL "C" (OPTION)
- S6 OF 6 STRUCTURAL LAYOUT - SIDE WALL "D"
- S7 OF 6 MESH LAYOUT - SIDE WALL "D"
- S8 OF 8 STRUCTURAL LAYOUT - ROOF

221-1105X2000-20 11'-5" X 20'-0" CONCRETE FLOOR ASSEMBLY KIT

DESIGN PARAMETERS

- USE GROUP: B (BOCA, MASBC)
S-2 (FBC, IBC, SBC, UBC)
U (OBC)
- CONSTRUCTION TYPE: 5B (BOCA, MASBC)
IV-UNP (SBC)
V-B (IBC, FBC)
V-N (UBC)
- ROOF LIVE LOAD: 107 PSF
- FLOOR LIVE LOAD: 207 PSF
- GROUND SNOW LOAD: 128 PSF (N/A FOR FBC 2014)
- WIND SPEED: 150 MPH/EXPOSURE C
- SEISMIC ZONE FOR SBC & UBC: 4
SEISMIC DESIGN CATEGORY FOR IBC: E (IBC)
USE GROUP-III (OBC)
SITE CLASS-D (OBC)
- CONCRETE f'c: 5000 PSI AT 28 DAYS
CONCRETE UNIT WEIGHT: 110 PCF
- FIRE RATING: 2 HOUR WALL AND ROOF PER IBC/FBC TABLE 720.1 (2),
ITEM NUMBER 4-1.1, SOLID LIGHTWEIGHT CONCRETE
(LIMITATIONS MAY APPLY DUE TO OPENINGS AND PROXIMITY ON SITE)

PHYSICAL PROPERTIES

- SHELTER DIMENSIONS: 11'-5"W X 20'-0"L
- SHIPPING DIMENSIONS: 11'-11"W X 23'-6 13/16"L X 10'-1 1/2"H
- SHELTER WEIGHT: 50,750 LB
(EXCLUDE BATTERIES AND RADIO EQUIPMENT)

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CUSTOMER:

CINGULAR WIRELESS

PROJECT:
11'-5" X 20'-0"
CONCRETE SHELTER
COVER SHEET

FILENAME:

CGW/SCGW61

SCALE:

N.T.S.

TOLERANCE:

DRWN. BY:

K. MATHENY

DATE:

12/29/10

CHK. BY:

W. RODRIGUEZ

DATE:

1/5/11

APP. BY:

D. BRANNEN

DATE:

1/5/11

SHEET NO.

0-0

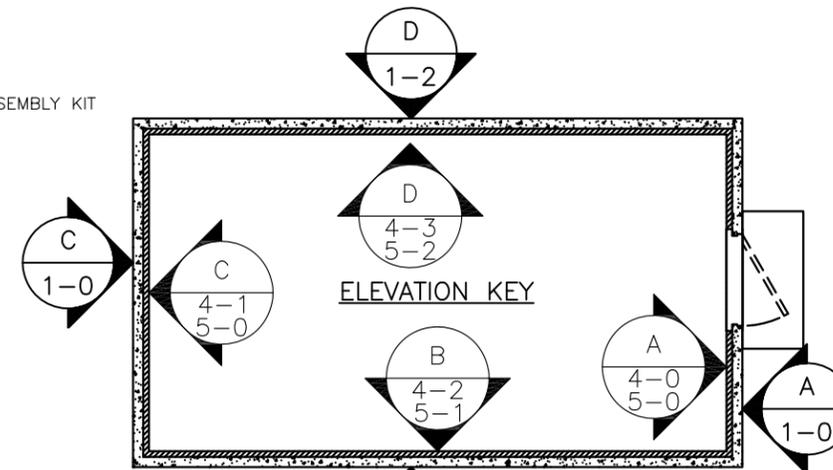
DRAWING NO.:

SCGW61

REV.:

PP

ZONE	EXTERIOR COMPONENTS AND CLADDING POSITIVE AND NEGATIVE PRESSURES IN TERMS OF PSF			
	2000 IBC, 120 MPH WIND SPEED	2003 IBC, 2006 IBC, 120 MPH WIND SPEED	2000,03,06,09,12,15 IBC, 150 MPH WIND SPEED	2014 FBC, 180 MPH WIND SPEED
ROOF ZONE 1 (100 SF EFFECTIVE WIND AREA)	+12.1/-28.7	+10.0/-28.7	+15.7/-44.8	+22.7/-64.5
ROOF ZONE 2 (20 SF EFFECTIVE WIND AREA)	+12.1/-46.9	+12.0/-46.9	+18.6/-73.4	+26.9/-105.8
ROOF ZONE 3 (10 SF EFFECTIVE WIND AREA)	+12.7/-79.1	+12.7/-79.1	+20.0/-123.7	+28.7/-178.1
WALL ZONE 4 (200 SF EFFECTIVE WIND AREA)	+25.8/-28.4	+25.8/-28.4	+39.6/-43.4	+58.2/-64.1
WALL ZONE 5 (30 SF EFFECTIVE WIND AREA)	+29.3/-38.0	+29.3/-38.0	+45.9/-59.2	+65.9/-92.3



NOT FOR CONSTRUCTION

PROPRIETARY

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	ADDED OPTION P1 & P2 SCHEM. UPDATED DESIGN PARA.	DB	12/7/12
MM	JJ	4/1/11	ADDED SHEET 2-2 TO SHEET INDEX, UPDATE DESIGN PARA.	BDB	4/6/11
KK	MLZ	11/23/10	ADDED SHEET 5-4 TO SHEET INDEX, UPDATE DESIGN PARA.	LJL	11/23/10
JJ	AHS	08/11/10	ADDED SHEET 2-1 TO SHEET INDEX, UPDATED SNOW LOAD	LJL	08/12/10

PARTS LIST							
ITEM	QTY	U/M	DEPT	P/N	ORIGINAL DESCRIPTION	MFG P/N	MFG
1	1.0000	EA.	20	350025	TELCO BOARD, 4' X 8' OSB, WITH 3/8" FRP		
2	2.0000	EA.	30	168283	BUSHING, PLASTIC, 1/2", SNAP-IN, HEYCO		
3	8.0000	EA.	30	170037	PIPE,GALV,SCH 40,1",CAP		
4	1.0000	EA.	30	170128	PIPE,GALV,2",CAP	66693	FASTENAL
5	2.0000	EA.	30	400386-01	LUG KIT,CWELD,3/8"BOLT,W/10' DROP		
6	1.0000	EA.	30	410063	NIPPLE,EMT,1/2",CHASE		
7	2.0000	EA.	30	410080	BUSHING,2",PLASTIC		
8	3.0000	EA.	30	410113	NIPPLE,EMT,1/2",OFFSET		
9	1.0000	EA.	30	410140	NIPPLE,RIGID,2",CLOSE		
10	3.0000	EA.	30	410181	NIPPLE, RIGID, 2" X 8 1/2"		
11	4.0000	EA.	30	410182	NIPPLE,RIGID,3/4"X8 1/2"		
12	4.0000	EA.	30	410201	NIPPLE,RIGID,1/2"X8 1/2"		
13	8.0000	EA.	30	410217	NIPPLE,RIGID,1"X8"		
14	1.0000	EA.	30	410229	NIPPLE,RIGID,1"X8 1/2"		
15	1.0000	EA.	30	410257	NIPPLE,RIGID,2"X4"LONG		
16	1.0000	EA.	30	410386	BUSHING,PLASTIC,3/4",SNAP-IN,HEYCO		
17	4.0000	EA.	30	430003	BOX,JUNCTION,OCT, 4"RND X 1 1/2"D		
19	3.0000	EA.	30	430008	BOX,6X6X4,SCREW COVER,NEMA 1,0-KO	ASE6X6X4NK	HOFFMAN
20	5.0000	EA.	30	430029	BOX,JUNCT,4-11/16"X4-11/16"D-2 1/8"	721711234	STEEL CITY
21	2.0000	EA.	30	430030	BOX,JUNCT,2X4,WP,(3) 1/2"HOLES	WPB23	LEGRAND
22	4.0000	EA.	30	430049	WIREWAY,GALV,4"X4",CLOSURE PLATE,NO	F-44GCPNKGV	HOFFMAN
23	5.0000	EA.	30	430050	WIREWAY,GALV,4"X4",U-CONNECTOR	F-44GUCGV	HOFFMAN
24	2.0000	EA.	30	430054	BOX,JUNCT,2"X4",1 7/8" DEEP		
25	2.0000	EA.	30	430061	WIREWAY,GALV,4X4,90D ELBOW	F-4490EGV	HOFFMAN
26	1.0000	EA.	30	430063	BOX,JUNCT,4 RND,WP,(5) 1/2H		
27	2.0000	EA.	30	430252	WIREWAY,GALV,4"X4"X18",W/O KO'S	F-44T118GV	HOFFMAN
28	1.0000	EA.	30	430266	PIPE,GALV,SCH 40,1/2",CAP	66688	FASTENAL
29	1.0000	EA.	30	430268	WIREWAY,GALV,4"X4"X48",W/O KO'S	F-44T148GV	HOFFMAN
30	1.0000	EA.	30	430269	WIREWAY,GALV,4"X4"X120",W/O KO'S	F-44T1120GV	HOFFMAN
31	2.0000	EA.	30	430303	ALARM BLOCK, SIEMON, S66B4-50MH49		
32	1.0000	EA.	30	430319	WIREWAY,GALV,4"X4"X36",W/O KO'S	F-44136GV	HOFFMAN
33	1.0000	EA.	30	430324	BOX, ENCLOSURE, 12" X 12" X 8", NEMA 3R, PVC		
34	1.0000	EA.	30	430548	PANEL,CMBIN,INT,200A,42S,ATS,TVSS,3	AA1220061-3S	INTERSECT
35	2.0000	EA.	30	430603	EXTENSION RING,4",1/2-3/4 KO		
36	1.0000	EA.	30	430614	BOX,JUNCT,4X4,WEATHERPROOF,1"KO		
37	1.0000	EA.	30	430644	PLUG,4",RED PLASTIC		
38	2.0000	EA.	30	430755	EXTENSION RING,4 11/16",WITH 1" KOS	73171 1	STEEL CITY
39	1.0000	EA.	30	460002	THERMOSTAT,HI/LOW TEMP		
40	1.0000	EA.	30	460105	CONTROLLER, LEAD LAG, MARVAIR, LL357D2		
41	5.0000	EA.	30	470615	LIGHT FIXTURE,32W,2 BULB,4FT,WR,T-8		
42	7.0000	EA.	30	510142	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,9"		
44	6.0000	EA.	40	400272	BREAKER,SQD,1P 20A,BOLT ON,QOB120		
45	2.0000	EA.	40	400283	BREAKER,SQD,2P 60A,BOLT ON,QOB260		
48	2.0000	EA.	40	400530	FUSE, HOLDER, IN-LINE, HLR2		
49	2.0000	EA.	40	400533	FUSE, 1 AMP, SMALL DIN BUSS, GLR1		
50	1.0000	EA.	40	400537	RELAY,BASE,8-PIN OCT,10A,SNGLE TIER		
51	1.0000	EA.	40	400585	RELAY, COIL, 8-PIN, 24VDC, DPDT, 10 AMP		
54	8.0000	FT.	40	410112	CONDUIT,LFMC,1/2",SEALTITE		
55	1.0000	EA.	40	410118	CONNECTOR,LFMC,1/2",90D,SEALTITE		
58	1.0000	EA.	40	410146	CONNECTOR,LFMC,1/2",45D,SEALTITE	5242	T&B
59	2.0000	EA.	40	420006	LABEL,BLK,ELECT,"GFCI"		
60	2.0000	EA.	40	420007	LABEL,BLK,ELECT,"ALARM BLOCK"		
61	1.0000	EA.	40	420009	LABEL,BLK,ELECT,"INTERIOR LIGHT"		
62	1.0000	EA.	40	420010	LABEL,BLK,ELECT,"AC PANEL"		
63	1.0000	EA.	40	420015	LABEL,BLK,ELECT,"HIGH TEMP"		
64	1.0000	EA.	40	420016	LABEL,BLK,ELECT,"LEAD-LAG CONTROLL"		
52	0.0000	FT.	40	410111	CONDUIT,LFMC,3/4",SEALTITE		
18	18.0000	EA.	30	430005	BOX,JUNCT,4"X4",2-1/8D,1/2"-3/4KO	521711234E	STEEL CITY
43	1.0000	EA.	40	168186	WASHER,1/2" FLAT,STAINLESS	78021	FASTENAL

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CUSTOMER:
CINGULAR WIRELESS

PROJECT:
11'-5" X 20'-0" CONCRETE SHELTER PARTS LIST

FILENAME: CGW/SCGW61	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 0-1	
DRAWING NO.: SCGW61	REV.: PP

NOT FOR CONSTRUCTION
 PROPRIETARY

NN	JJ	6/8/12	UPDATED PARTS LIST AS REQUIRED	BDB	6/8/12
MM	JJ	12/29/10	UPDATED PARTS LIST AS REQUIRED;	BDB	4/6/11
LL	KBM	12/29/10	UPDATE SHEET PER MARK-UPS	WR	1/5/11
KK	MLZ	11/23/10	UPDATE SHEET PER MARK-UPS	LJL	11/23/10
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

PARTS LIST

ITEM	QTY	U/M	DEPT	P/N	ORIGINAL DESCRIPTION	MFG P/N	MFG
65	1.0000	EA.	40	420017	LABEL,BLK,ELECT,"HVAC #2"		
66	1.0000	EA.	40	420018	LABEL,BLK,ELECT,"HVAC #1"		
67	29.0000	EA.	40	420033	LABEL,SELF TRANSFER,PANDUIT TTSL2		
68	1.0000	EA.	40	420034	LABEL,BLK,ELECT,"DC LIGHT"		
69	1.0000	EA.	40	420041	LABEL,"ARC FLASH AND SHOCK WARNING"		
70	1.0000	EA.	40	420143	LABEL,RED, ELECT,BONDING TAG		
71	3.0000	EA.	40	430010	COVER,RECPT PLATE,4X4,4 RECPT		
73	5.0000	EA.	40	430014	COVER,BLANK PLATE,4 11/16	8487	APPLETON
74	2.0000	EA.	40	430025	COVER,RECPT PLATE,4X4,2R		
75	2.0000	EA.	40	430033	RECEPTACLE,GFCI,120V,20A,NEMA5,WR	GFTR20I	HUBBELL
76	8.0000	EA.	40	430034	RECEPTACLE,DUPLEX,125V,20A,IVORY		
79	1.0000	EA.	40	430367	COVER,BLANK PLATE,4X4 WP		
80	2.0000	EA.	40	430384	COVER,GFCI,2 REC,HORZ,WTSG15A-C	STSG15A-C	STEEL CITY
82	5.0000	EA.	40	470047	LIGHT FIXTURE,LENS,2-BULB T-8		
83	1.0000	EA.	40	470056	LIGHT FIXTURE,COMBO EXIT/EMERGENCY		
84	10.0000	EA.	40	470058	LIGHT BULB,F32 T-8 MED BIPIN		
85	1.0000	EA.	40	470060	LIGHT FIXTURE,EXTERIOR QUARTZ W/MO		
86	3.0000	EA.	40	470083	LIGHT FIXTURE, 60W, PORCELAIN BASE		
87	3.0000	EA.	40	470085	LIGHT, STEEL GUARD FOR INCANDESCENT		
88	1.0000	EA.	40	470425	TIMER,6HR,SPR WOUND,DPST,FF46H		
89	1.0000	EA.	40	470426	TIMER,6HR,SPR WOUND,SPST,FF6H		
90	1.0000	EA.	40	490000	ALARM,MAGNETIC DOOR CONTACT		
91	1.0000	EA.	40	490049	DETECTOR,HUMIDITY,HA-1,WINLAND	HA-1 (PN#1190)	WINLAND ELECTRONICS, INC.
92	4.0000	EA.	50	400001	LUG,2H,#6,BLU,3/8"BOLT,1"C/C,LBFW		
93	4.0000	EA.	50	400020	LUG, 1H, #6, BLU, 1/4" BOLT, LBFW		
94	11.0000	EA.	50	400021	C-TAP,BROWN,54720	CTAPF4-12-C	PANDUIT
95	52.0000	FT.	50	400030	WIRE, #6 THHN, STRAND, GRN		
	78.0000	FT.	50	400050	WIRE, #2 THHN, STRANDED, GREEN		
98	2.0000	EA.	50	400051	C-TAP,ORANGE,54740		
99	72.0000	FT.	50	400099	WIRE, #2 SOLID COPPER, BARE, TINNED		
100	2.0000	EA.	50	400108	LUG,2H,#4,GRY,1/4"BOLT,3/4"C/C,LB (INSTALL)		
103	26.0000	EA.	50	400174	C-TAP,PINK,54730	CTAPF2-12-C	PANDUIT
104	6.0000	EA.	50	400259	LUG,2H,#2,BRN,3/8"BOLT,1"C/C,LBFW		
105	13.0000	EA.	50	400371	LUG,2H,#6,BLU,1/4"BOLT,3/4"C/C,LBFW	LCCXF6-14B-L	PANDUIT
106	1.0000	EA.	50	400386-01	LUG, CADWELD, 1/8" X 1", B123CE03		
107	3.0000	EA.	50	400390	LUG,2H,#2,BRN,1/4"BOLT,3/4"C/C,LBFW		
108	9.0000	EA.	50	400500	CLAMP,GROUND 1/2"-1",GC-1Z	GC-1Z	WEAVER
109	92.0000	EA.	50	410343	WIRE STANDOFF, 1 3/4", TC376		
110	30.0000	EA.	50	410396	BUSHING,INSULATING,CEILING BRACKET		
111	4.0000	EA.	50	440005	LINE PROTECTOR,AC DATA #TJ1010 T1	#TJ1010 T1	RAYCAP INC
112	1.0000	EA.	50	480005	SABRE BLUE SERIAL NO.PLAT		
113	1.0000	EA.	50	480025	DESK,FOLD DOWN,20"X15"X2-3/4"		
	6.0000	EA.	50	510052	CABLE LADDER,24"X9"8 1/2",YELLOW ZI	10024ZY	CENTRAL STEEL FABRICATORS, INC.
117	3.0000	EA.	50	510053	CABLE LADDER,24",CLOSING BRACKET,YZ		
118	4.0000	EA.	50	510082	UNISTRUT, 30" YELLOW ZINC		
119	30.0000	EA.	50	510151	CABLE LADDER,TRAY HANGER,11"		
120	2.0000	EA.	50	521002	HVAC,GRILL,SUPPLY,10"X30"		
121	2.0000	EA.	50	521102	HVAC,GRILL,RETURN,16"X30"		
122	2.0000	EA.	50	522001-00006	HVAC,SLEEVE,10"X30"X6"		
123	2.0000	EA.	50	522001-00012	HVAC,SLEEVE,16"X30"X6"		
124	12.0000	EA.	50	540218	GROUND STRAP ASSY, #6 THHN, 14 1/2"		
125	2.0000	EA.	50	540225	GROUND STRAP ASSY, #6 THHN, 6" LONG		
126	1.0000	EA.	50	P540179-01	G-BAR ASSY,540179-01 KIT & HARDWARE		
127	1.0000	EA.	50	P540251-01	G-BAR ASSY,540251-01 & HARDWARE,ANT		
128	3.0000	EA.	51	504000	DOOR,HINGES,STAINLESS STEEL 32D		
129	1.0000	EA.	51	504100	DOOR,CLOSER,SARGENT 1104,ALUM		
130	1.0000	EA.	51	504102	DOOR,BUMPER,SS RUBBER STOP,BLACK		
101	18.0000	EA.	50	400118	H-TAP,2-2-1,BRN,4 WIRE,PANDUIT		
72	12.0000	EA.	40	430012	COVER,BLANK PLATE,4X4	8465	APPLETON
81	1.0000	EA.	40	430437	SWITCH,SPST,125VAC,24VDC,TOGGLE	SS209-8-BG	SELECTA

SABRE INDUSTRIES(TM) PROPRIETARY DOCUMENT

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 Fax: (318) 213-2919
 www.sabreindustries.com

CUSTOMER:
CINGULAR WIRELESS

PROJECT:
11'-5" X 20'-0" CONCRETE SHELTER PARTS LIST (CONTINUED)

FILENAME: CGW/SCGW61	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 0-2	
DRAWING NO.: SCGW61	REV.: PP

NOT FOR CONSTRUCTION PROPRIETARY

NN	JJ	6/8/12	UPDATED PARTS LIST AS REQUIRED	BDB	6/8/12
MM	JJ	12/29/10	UPDATED PARTS LIST AS REQUIRED;	BDB	4/6/11
LL	KBM	12/29/10	UPDATE SHEET PER MARK-UPS	WR	1/5/11
KK	MLZ	11/23/10	UPDATE SHEET PER MARK-UPS	LJL	11/23/10
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

PARTS LIST (CONTINUED)

ITEM	QTY	U/M	DEPT	P/N	ORIGINAL DESCRIPTION	MFG P/N	MFG
131	1.0000	EA.	51	504128	DOOR,PEEP HOLE,200 DEGREE VIEW		
132	1.0000	EA.	51	504142	DOOR,HOLD OPEN,T-LATCH,6" SS		
133	1.0000	EA.	51	504300	DOOR,LOCKGUARD,10" 32D		
134	1.0000	EA.	51	504400	DOOR,DRIP CAP,NGF16A-48"		
135	1.0000	EA.	51	504409	DOOR,THRESHOLD 42"X4.75",.090 ALUM		
136	1.0000	EA.	51	504437	DOOR,THRESHOLD 42"X6.25",.090 ALUM		
137	1.0000	EA.	51	504501	CORE,LOCKSET,BEST,CONSTRUCT,GREEN		
138	1.0000	EA.	51	540216	GROUND STRAP ASSY,1/2 BRAIDED,18"		
139	1.0000	EA.	51	570005	DOOR, CANOPY, 48", MOUNTING BRACKET		
140	2.0000	EA.	55	146514-005	DRIP CAP,48"X3",HVAC		
141	229.0000	EA.	70	320021	TILE VINYL,1/8",VINYLASA,VL556		
142	1.0000	EA.	90	420048	LABEL,DATA,STANDARD SHELTER		
143	1.0000	EA.	90	480001	PLATE,DATA,ALUM,8"X12",GRAY		
144	3.0000	FT.	95	504216	DOOR,WEATHERSTRIP,SPONGE NEOPRENE		
145	2.0000	EA.	99	420061	DIAMOND WARRANTY FOR MARVAIR (PACKING LIST ITEM)		
146	1.0000	EA.	99	470016	CORD REEL, 30', THREE OUTLET (PACKING LIST ITEM)		
147	2.0000	EA.	99	470061	LIGHT BULB,HALOGEN LAMP,FL25/130V (PACKING LIST ITEM)		
148	1.0000	EA.	99	480000	TRAY, WALL FILE PLASTIC, LR - SMOKE (PACKING LIST ITEM)		
149	1.0000	EA.	99	480021	MAT,ENTRY 3'X5',233735 (PACKING LIST ITEM)		
150	1.0000	EA.	99	480022	BROOM, WITH CLIP, 258481 (PACKING LIST ITEM)		
151	1.0000	EA.	99	480023	PAN,DUST WITH HOOK,418929 (PACKING LIST ITEM)		
152	1.0000	EA.	99	480032	CHAIR,SECURITY BLACK,#0536888 (PACKING LIST ITEM)		
153	1.0000	EA.	99	480055	LADDER,STEP,6',FIBERGLASS,300LBS (PACKING LIST ITEM)		
154	1.0000	EA.	99	480080	WASTEBASKET,CONTAINER 41 QUART (PACKING LIST ITEM)		
155	1.0000	EA.	99	480082	BOOK,W/J LOG,RED (PACKING LIST ITEM)		
156	1.0000	EA.	99	480087-01	PACKING KIT, TYPICAL EVERY SHELTER (PACKING LIST ITEM)		
157	1.0000	EA.	99	480212	CABLE LADDER KIT,CONCRETE FLR, (PACKING LIST ITEM)		
158	1.0000	EA.	99	570018	DOOR, CANOPY, 54", METAL (PACKING LIST ITEM)		

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CINGULAR WIRELESS

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 11'-5" X 20'-0"
 CONCRETE SHELTER
 PARTS LIST
 (CONTINUED)

FILENAME:
 CGW/SCGW61

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SHEET NO.
 0-3

DRAWING NO.:
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REV.:
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NN	JJ	6/8/12	UPDATED PARTS LIST AS REQUIRED	BDB	6/8/12
MM	JJ	3/31/11	UPDATED PARTS LIST AS REQUIRED	BDB	4/6/11
LL	KBM	12/29/10	UPDATED PARTS LIST AS REQUIRED	WR	1/5/11
JJ	AHS	08/11/10	UPDATED PARTS LIST AS REQUIRED	LJL	08/12/10
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

CUT LIST

ITEM	P/N	DEPT	ORIGINAL DESCRIPTION	CUT	PCS
27	430252	30	WIREWAY,GALV,4"x4"x18",W/O KO'S	18"	2
29	430268	30	WIREWAY,GALV,4"x4"x48",W/O KO'S	48"	1
30	430269	30	WIREWAY,GALV,4"x4"x120",W/O KO'S	120"	1
32	430319	30	WIREWAY,GALV,4"x4"x36",W/O KO'S	36"	1
52	410111	40	CONDUIT,LFMC,3/4",SEALTITE	36"	0
54	410112	40	CONDUIT,LFMC,1/2",SEALTITE	96"	1
95	400030	50	WIRE, #6 THHN, STRAND, GRN	624"	1
96	400050	50	WIRE, #2 THHN, STRANDED, GREEN	756"	1
97	400050	50	WIRE, #2 THHN, STRANDED, GREEN	36"	5
99	400099	50	WIRE, #2 SOLID COPPER, BARE, TINNED	216"	4
114	510052	50	CABLE LADDER,24"x9'8 1/2",YELLOW ZI	35 3/8"	1
115	510052	50	CABLE LADDER,24"x9'8 1/2",YELLOW ZI	116 1/2"	3
116	510052	50	CABLE LADDER,24"x9'8 1/2",YELLOW ZI	82"	2
134	504400	51	DOOR,DRIP CAP,NGF16A-48"	40"	1
144	504216	95	DOOR,WEATHERSTRIP,SPONGE NEOPRENE	36"	1

SHOP DETAILS

DWG NO.	DESCRIPTION
20-036	TELCO ENTRY STD PVC INSTALLATION
30-002	BOX TO BOX PENETRATION DETAIL
30-004	BOX TO GFCI PENETRATION DETAIL
30-009	CONDUIT TO WIREWAY CONNECTION
30-011	PLASTIC CAPS INSTALLATION
30-012	RIGID, NIPPLE, CLOSE & CHASE APPLICATION
30-013	PANEL TO WIREWAY CONNECTION
40-004	UNISTRUT INSTALLATION
40-008	GROUND BOND DETAIL
50-001	GROUND BAR MOUNTING INSTALLATION
50-006	GROUNDING DETAILS T-JUNCTION
50-008	GROUNDING DETAILS SPLICE JUNCTION
50-012	HALO GROUND TO PANEL & 6X6 BOX
50-013	HALO GROUND TO DOORFRAME
50-020	BONDING AT CONDUIT DETAIL
50-026	Y DROP INSTALLATION-#6 WIRE
50-028	MECHANICAL LUG DETAIL
50-031	Y DROP INSTALLATION-#2 SOLID
50-032	#2 SOLID TO #2 SOLID DETAIL
50-034	HVAC GRILL GROUNDING DETAIL
50-035	THRU WALL PENETRATION 45' PVC PIPE
50-038	HALO GROUND TO WIREWAY
50-042	STAND OFF BRACKET INSTALLATION
50-044	SINGLE CONNECTOR AT GROUND BAR/PEEPS
50-045	SINGLE CONNECTOR AT STEEL OBJECTS
50-072	LUG TO GROUND BAR CONNECTION
51-003	2 PC THRESHOLD INSTALLATION
51-005	WEATHERSTRIP INSTALLATION
51-007	DOOR LOCKGUARD INSTALLATION
51-009	DOOR HOLD OPEN INSTALLATION
51-010	DOOR CLOSER DETAIL
51-012	DOOR CANOPY INSTALLATION
51-017	GROUND STRAP TO DOOR FRAME
51-021	PANALIZED SHELTER DOOR HARDWARE INSTALL
51-029	MAGNETIC DOOR ALARM INSTALLATION
52-003	STRAIGHT CLAMP INSTALLATION
52-004	CORNER CLAMP INSTALLATION
52-009	WALL MOUNT INSTALLATION
52-016	WALL BRACKET INSTALLATION
52-018	HANGER BAR CONNECTION
52-021	HANGER BRACKET 1-LAYER INSTALLATION
52-022	UNISTRUT INSTALL 1-LAYER CEILING
53-001	WAVEGUIDE ENTRY INSTALLATION
55-006	HVAC INSTALLATION AND CONNECTIONS
55-010	HVAC DRIP CAP INSTALLATION
80-001	1/2" PVC PIPE STANDOFF

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NN	JJ	6/8/12	UPDATED PARTS LIST AS REQUIRED	BDB	6/8/12
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JJ	AHS	08/11/10	UPDATED PARTS LIST AS REQUIRED	LJL	08/12/10
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

OPTIONAL COMPONENTS

OPT.	OPT. NO.	TAG NO.	QTY	U/M	PART NO.	DEPT.	DESCRIPTION	CUT	PCS
A	A1	1	—	EA.	—	—	NOT REQUIRED		
	A2	1	1	EA.	390003	40	ALARM,F/C,PANEL,FIKE,SYS-F100631R1		
		2	2	EA.	390004	40	ALARM,F/C,DET,PHOTOELECTIC,FIKE		
		3	1	EA.	390006	40	ALARM,F/C,MANUAL PULL,FIKE,3710		
		4	1	EA.	390007	40	ALARM,F/C,HORN/STROBE,FIKE,098		
		5	1	EA.	390008	40	ALARM,F/C,BATTERY ASSEMBLY		
		6	1	EA.	390022	40	ALARM,F/C,ABORT SWITCH,FIKE,10-1639		
		7	2	EA.	390033	40	ALARM,F/C,DET,BASE,FIKE		
		8	1	EA.	390034	40	ALARM,F/C,MODULE OPTIONAL,FIKE,FM4		
		9	1	EA.	390035	40	ALARM,F/C,EXTERIOR WP,STROBE		
		10	1	EA.	390036	40	ALARM,RED WP BACK BOX,FIKE		
		11	1	EA.	400273	40	BREAKER,SQD,1P 15A,BOLT ON,QOB115		
		12	2	EA.	430005	30	BOX,JUNCT,4"X4",2-1/8D,1/2"-3/4KO		
		13	2	EA.	430003	30	BOX,JUNCT,OCT,4" RND X 1 1/2"D		
		14	.5	FT	170000	30	PIPE,PVC,SCH 40,1"		
		15	3.25	FT	400030	50	WIRE,#6 THHN,STRAND,GRN		
		16	4	EA.	400174	50	C-TAP,PINK,54730		
		17	1	EA.	400021	50	C-TAP,BROWN,54720		
		18	1	EA.	400623	50	WEAVER CLAMP,GROUND 1 1/2" PERPENDICULAR		
		19	1	EA.	400371	50	LUG,2H,#6,BLU,1/4"BOLT,3/4"C/C,LBFW		
20	1	EA.	410184	30	NIPPLE,RIGID,1/2"X7 1/2"				
B	B1	1	1	EA.	170125	30	PIPE CAP,PLASTIC,NPT,NIAGARA #257		
		2	1	EA.	410080	30	BUSHING,2",PLASTIC		
	B2	1	1	EA.	430282	30	DISCONNECT,SQD,200A,FUSED,D224NRB		
		2	2	EA.	430127	40	FUSE, 200 AMP, FLNR200ID		
		3	1	EA.	420008	40	LABEL, BLK, ELECT, "SERVICE DISCONNECT"		
C	C2	4	1	EA.	540104	50	G-BAR KIT, SQD, PTOGTA-6		
		5	1	EA.	400386-01	30	LUG, 2H, CWELD, 1/8"X1, 3/8" BOLT, KIT		
D	D2	1	—	EA.	—	—	NOT REQUIRED		
		1	1	EA.	460002	40	THERMOSTAT,HI/LOW TEMP,TH-4-20		
E	E2	2	1	EA.	420011	40	LABEL, BLK, ELECT, "LOW TEMP"		
		1	—	EA.	—	—	NOT REQUIRED		
F	F2	D1	1	EA.	480003	50	EYE WASH STATION,SINGLE 32OZ		
		E1	1	EA.	—	—	NOT REQUIRED		
		E2	1	EA.	390001	50	FIRE EXTINGUISHER, 10# CO2 FIRE, BADGER		
	F3	2	1	EA.	420026	40	LABEL,BLK,ELECT,"FIRE EXTINGUISHER"		
		F1	1	—	EA.	—	—	NOT REQUIRED	
		1	51.3611	FBM	360151	—	INSULATION,EPS,FOAM,RAW MATL B-FOOT	21 1/2" X 21 1/2" X 4"	4
G	G2	2	1	EA.	530010	50	WAVEGUIDE ENTRY,16 PORT,4",4X4		
		3	3	EA.	530059	50	WG BLANK PLATE,16GA X 24" X 24"		
		1	77.6389	FBM	360151	—	INSULATION,EPS,FOAM,RAW MATL B-FOOT	21 1/2" X 32 1/2" X 4"	4
G	G1	2	1	EA.	530023	50	WAVEGUIDE ENTRY,24 PORT,4",4X6		
		3	3	EA.	530027	50	WG BLANK PLATE,16GA X 25.5" X 39.5"		
		1	1	EA.	170125	30	PIPE CAP,PLASTIC,NPT,NIAGARA #257		
	G2	2	1	EA.	410080	30	BUSHING,2",PLASTIC		
		3	1	EA.	170112	30	PIPE CAP,PLASTIC,NPT,NIAGARA #249		
		4	1	EA.	410077	30	BUSHING,1",PLASTIC		
		1	1	EA.	430020	40	RECEPTACLE,GEN,200A,3W4P,AR20034RS		
		2	1	EA.	430017	30	BOX,GEN RECPT BACK,200A,APT,AJA620		
		3	1	EA.	430053	30	PLUG,2",BLK PLASTIC		
	G4	4	1	EA.	400386-01	30	LUG KIT,CWELD,3/8"BOLT,W/10' DROP		
		5	6	FT.	400073	40	WIRE,#4 THHN,STRAND,GRN		
		6	18	FT.	400074	40	WIRE,3/0 THHN,STRAND,BLK		
1		—	EA.	—	—	NOT REQUIRED			
1		1	EA.	430713	40	PANEL, GEN INTERFACE, 200A, 1P, MICRIN			
2		1	EA.	400386-01	30	LUG KIT,CWELD,3/8"BOLT,W/10' DROP			
3		6	FT.	400073	40	WIRE,#4 THHN,STRAND,GRN			
4		18	FT.	400074	40	WIRE,3/0 THHN,STRAND,BLK			
5		1	EA.	900106	40	CONNECTOR,MICRIN ALARM CONTACT SHRT			
G4	6	1	EA.	430847	40	CONNECTOR,MICRIN ALARM CONTACT CBL			
	7	0.5	FT.	170003	10	PIPE,PVC,SCH 40,1 1/2"			
	8	0.5	EA.	410107	30	CONDUIT,EMT,3/4"			
	9	1	EA.	430029	30	BOX,JUNCT,4-11/16"X4-11/16"D-2 1/8"			
	10	1	EA.	430014	30	COVER,BLANK PLATE,4 11/16			
	11	1	EA.	410229	30	NIPPLE,RIGID,1"X8 1/2"			
	12	1	EA.	410100	30	NIPPLE,EMT,3/4",CHASE			

NOTES:

1. K2 OPTIONS; FLORIDA DOORS ONLY.
2. OPTION "F" IS FOR WHEN WAVEGUIDE LOCATIONS IS UNKNOWN.
3. SHELTER REQUIRES ONE OPTION NUMBER FROM EACH OPTION LISTED.
4. NOTE THAT SOME OPTION NUMBERS ARE A KIT W/ MULTIPLE PARTS.

OPTIONS ARE IDENTIFIED ON THE DRAWING BY THE OPTION LETTER , BY OPTION NO. , OR BY THE OPTION TAG NO.

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REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	ADDED DEPT. COLUMN/UPDATED G4 & E2	DR	12/7/12
NN	JJ	6/8/12	UPDATED PARTS LIST AS REQUIRED	BDB	6/8/12
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OPTIONAL COMPONENTS

OPT.	OPT. NO.	TAG NO.	QTY	U/M	PART NO.	DEPT.	DESCRIPTION	CUT	PCS
H	H1 WAVEGUIDE LOCATION B1	1	27.75	FT.	400050	50	WIRE, #2, THHN, STRANDED, GREEN	333.00	1
		2	24.75	FT.	400050	50	WIRE, #2, THHN, STRANDED, GREEN	297.00	1
		3	35	EA.	410343	50	WIRE STANDOFF,1 3/4"		
		4	35	EA.	168230	50	SCREW,DECK,#8X1 1/4",PH,ZINC		
		5	35	EA.	400245	50	CABLE TIE,TYWRAP 8" BLACK,BT2S-MO		
	H2 WAVEGUIDE LOCATION C1	1	46	FT.	400050	50	WIRE, #2, THHN, STRANDED, GREEN	552.00	2
		2	43	FT.	400050	50	WIRE, #2, THHN, STRANDED, GREEN	516.00	1
		3	90	EA.	410343	50	WIRE STANDOFF,1 3/4"		
		4	90	EA.	168230	50	SCREW,DECK,#8X1 1/4",PH,ZINC		
		5	90	EA.	400245	50	CABLE TIE,TYWRAP 8" BLACK,BT2S-MO		
	H3 WAVEGUIDE LOCATION D1	1	37.5	FT.	400050	50	WIRE, #2, THHN, STRANDED, GREEN	450.00	1
		2	50	EA.	410343	50	WIRE STANDOFF,1 3/4"		
		3	50	EA.	168230	50	SCREW,DECK,#8X1 1/4",PH,ZINC		
		4	50	EA.	400245	50	CABLE TIE,TYWRAP 8" BLACK,BT2S-MO		
	H4 WAVEGUIDE LOCATION D2	1	23.5	FT.	400050	50	WIRE, #2, THHN, STRANDED, GREEN	282.00	2
		2	31	EA.	410343	50	WIRE STANDOFF,1 3/4"		
3		31	EA.	168230	50	SCREW,DECK,#8X1 1/4",PH,ZINC			
4		31	EA.	400245	50	CABLE TIE,TYWRAP 8" BLACK,BT2S-MO			
J	J1	-	-	-	-	-	-	-	-
	J2	-	-	-	-	-	-	-	-
	J3	-	-	-	-	-	-	-	-
K	K1	1	1	EA.	500001	51	DOOR,3070,LH/RHT,CURRIES,18G		
		2	3.5	FT.	504216	51	DOOR,WEATHERSTRIP,SPONGE NEOPRENE		
		3	1	EA.	504222	51	DOOR,WEATHERSTRIPPING,303-TF-3670		
		4	1	EA.	504528	51	LOCKSET,ELECT,CYD,TRIOLOGY,T2,DL270		
	K2	1	1	EA.	500005	51	DOOR,3070,LH,CURRIES,18G,MORTIS		
		2	1	EA.	504432	51	DOOR,THRESHOLD,42",#8135		
		3	1	EA.	504220	51	DOOR,WEATHERSTRIP,P&S,S88BK-204		
		4	1	EA.	504626	51	LOCKSET,ENT/DB,MRT,RUSSWIN,LH,ML202		
L	L1	1	-	-	-	-	NOT REQUIRED		
	L2	1	1	EA.	530010	50	WAVEGUIDE ENTRY, 16 PORT, 4" 4X4 (PACKING LIST)		
	L3	1	1	EA.	530023	50	WAVEGUIDE ENTRY, 24 PORT, 4" 4X6 (PACKING LIST)		
M	M1	1	2	EA.	520280	55	HVAC,WALL,5T,5KW,MARVAIR,BGE		
		2	2	EA.	400386-01	50	LUG KIT,CWELD,3/8"BOLT,W/10' DROP		
		3	1	EA.	222-1105X0903-023	50	WALL KIT,CON,END,STD,HVAC,W/G,023		
		4	2.22	FBM	360151		INSULATION,EPS,FOAM,RAW MATL B-FOOT	10"x4"x4"	2
	M2	1	2	EA.	520281	55	HVAC,WALL,6T,5KW,MARVAIR,BEIGE		
		2	2	EA.	400367	50	LUG,2H,#4-1/0,MECH,W/SET SCREW,L125		
		3	1	EA.	222-1105X0903-017	50	WALL KIT,CON,END,STD,HVAC,017		
		4	20	FT.	400099	50	WIRE,#2 SOLID COPPER,BARE,TINNED	120"	2
		5	1.6667	FBM	360151	50	INSULATION,EPS,FOAM,RAW MATL B-FOOT	10"x3"x4"	2
		6	1	EA.	410069	40	CONNECTOR,EMT,3/4",RT		
		7	2	EA.	410116	40	COUPLING,RIGID,3/4"		
		8	6	FT.	410111	40	CONDUIT,LFMC,3/4",SEALTITE	36"	2
		9	2	EA.	410129	40	CONNECTOR,LFMC,3/4",STRAIGHT,ST		
		10	2	EA.	410128	40	CONNECTOR,LFMC,3/4",45D,SEALTITE		
N	N1	1	3	EA.	470086	40	LIGHT BULB,60W,INCANDESCENT,24VDC		
	N2	1	3	EA.	470428	40	LIGHT BULB,50W INCANDESCENT,48V		
P	P1	1	1	EA.	490005	40	DETECTOR,SMOKE,24V,PHOTO,SENTROL		
	P2	1	1	EA.	490067	40	DETECTOR,SMOKE,48V,PHOTO,SENTROL		
Q	Q1	1	1	EA.	P540217-03	40	G-BAR,CU,ASSY,KIT,4"x30"x1/4",W/17'		
	Q2	1	1	EA.	P540227-05	40	G-BAR ASSY,540227-05 KIT & HARDWARE		
R	R1 (SEE NOTE 5)	1	15	EA.	400295	40	BREAKER,SQD,2P 20A,BOLT ON,QOB220		
		2	40	FT.	410111	40	CONDUIT,LFMC,3/4",SEALTITE	120"	4
		3	4	EA.	410128	40	CONNECTOR,LFMC,3/4",45D,SEALTITE		
		4	4	EA.	410120	40	CONNECTOR,LFMC,3/4",90D,SEALTITE		
	R2 (SEE NOTE 6)	1	15	EA.	400284	40	BREAKER,SQD,2P 40A,BOLT ON,QOB240		
		2	40	FT.	410119	40	CONDUIT,LFMC,1",SEALTITE	120"	4
		3	4	EA.	410155	40	CONNECTOR,LFMC,1",45D,SEALTITE		
		4	4	EA.	410122	40	CONNECTOR,LFMC,1",90D,SEALTITE		

NOTES:

1. K2 OPTIONS; FLORIDA DOORS ONLY.
2. OPTION "F" IS FOR WHEN WAVEGUIDE LOCATIONS IS UNKNOWN.
3. SHELTER REQUIRES ONE OPTION NUMBER FROM EACH OPTION LISTED.
4. NOTE THAT SOME OPTION NUMBERS ARE A KIT W/ MULTIPLE PARTS.
5. OPTION "R1" IS FOR MISSISSIPPI MARKET.
6. OPTION "R2" IS FOR LOUISIANA & ALABAMA MARKETS.

OPTIONS ARE IDENTIFIED ON THE DRAWING BY THE OPTION LETTER , BY OPTION NO. , OR BY THE OPTION TAG NO. .

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 Building Systems by CellXion
 5031 Hazel Jones Road
 Bossier City, LA 71111
 Voice: (318) 213-2900
 Fax: (318) 213-2919
 www.sabreindustries.com

CUSTOMER:

CINGULAR WIRELESS

PROJECT:
 11'-5" X 20'-0"
 CONCRETE SHELTER
 OPTIONAL COMPONENTS
 LIST CONTINUED

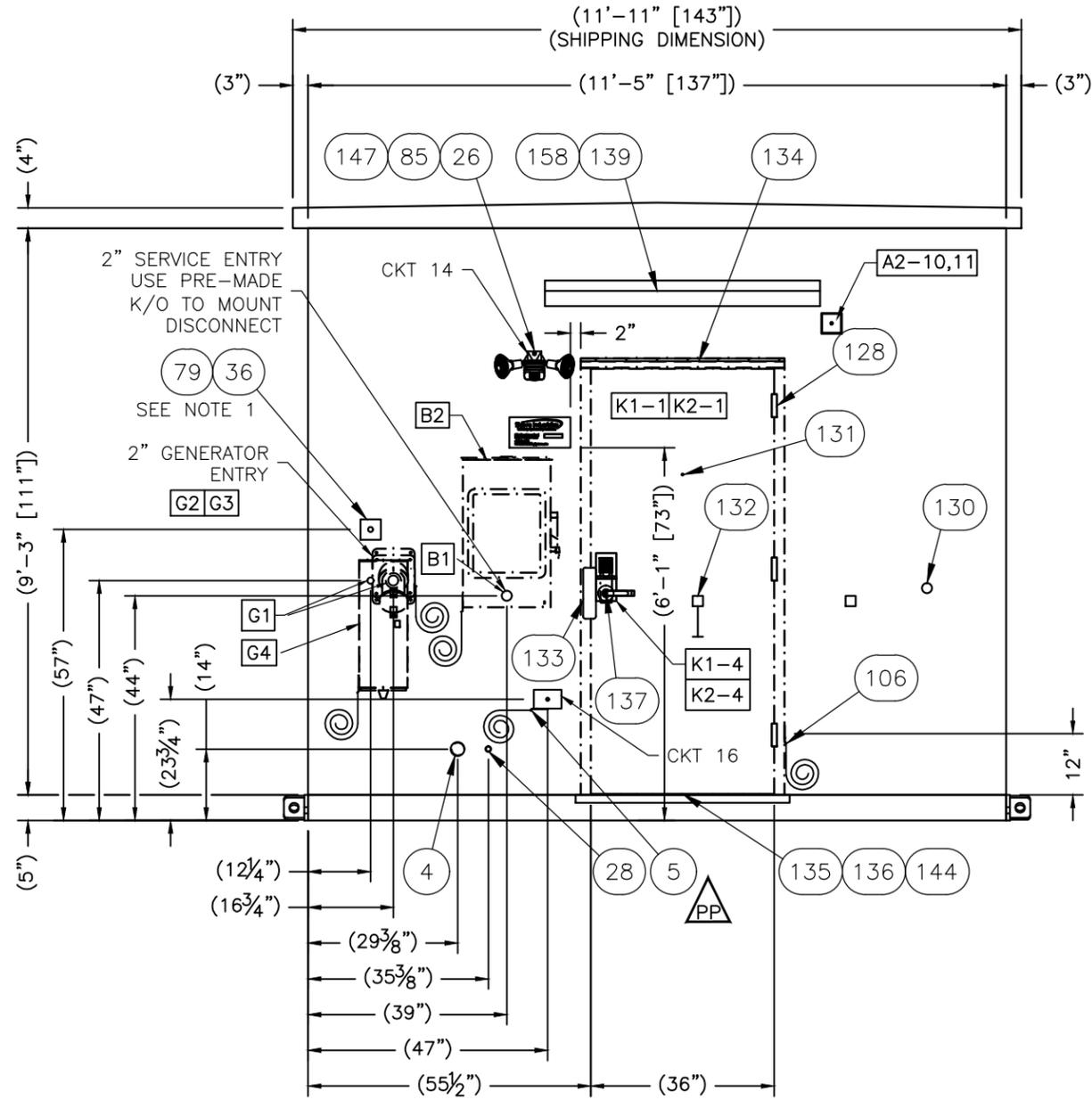
FILENAME: CGW/SCGW61	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 0-6	
DRAWING NO.: SCGW61	REV.: PP

NOT FOR CONSTRUCTION

PROPRIETARY

PP	SLM	11/27/12	UPDATED M2/ADDED N & P OPTIONS	DR	12/7/12
NN	JJ	6/8/12	UPDATED PARTS LIST AS REQUIRED	BDB	6/8/12
MM	JJ	3/31/11	UPDATED PARTS LIST AS REQUIRED	BDB	4/6/11
LL	KBM	12/29/10	UPDATED PARTS LIST AS REQUIRED	WR	1/5/11
JJ	AHS	08/11/10	UPDATED PARTS LIST AS REQUIRED	LJL	08/12/10
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

SUB-PARTS LIST			
ITEM	P/N	ORIGINAL DESCRIPTION	CUT
134	504400	DOOR,DRIP CAP,NGF16A-48"	40"
144	504216	DOOR,WEATHERSTRIP,SPONGE NEOPRENE	36"



EXTERIOR ELEVATION "A"

NOTES:
1. FOR CUSTOMER USE ONLY

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	ADDED ITEM 5; UPDATE T-LATCH;	BDB	12/7/12
MM	JJ	3/31/11	ADDED JB & NIPPLE TO "A"; REMOVED ELEVATION "C";	BDB	4/11/11
LL	KBM	12/29/10	ADDED JB AND NIPPLE TO WALL "A"	WR	1/5/11
KK	MLZ	11/23/10	UPDATE SHEET PER MARK-UPS	LJL	11/23/10

NOT FOR CONSTRUCTION

PROPRIETARY

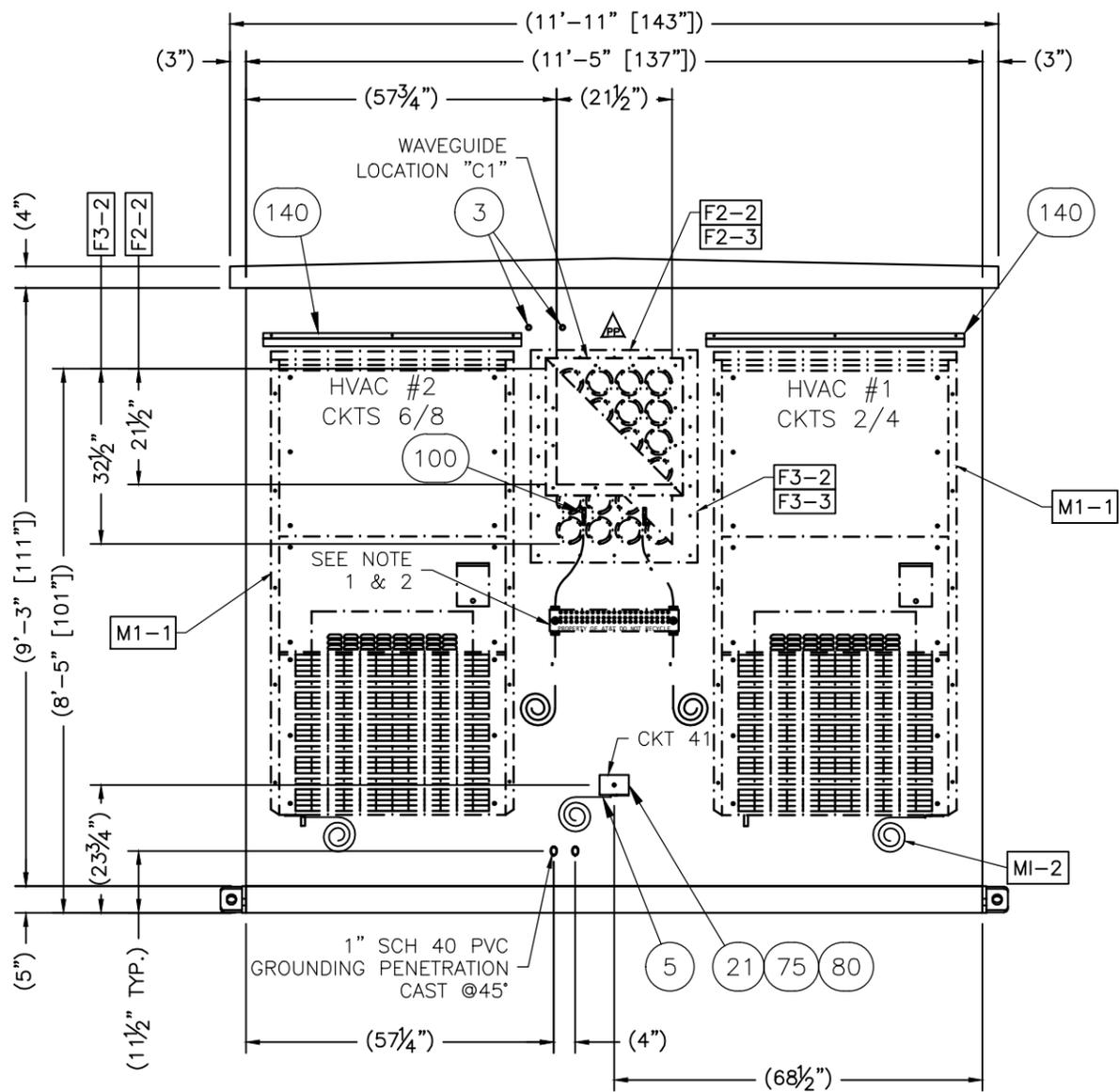
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CUSTOMER:
 CINGULAR WIRELESS

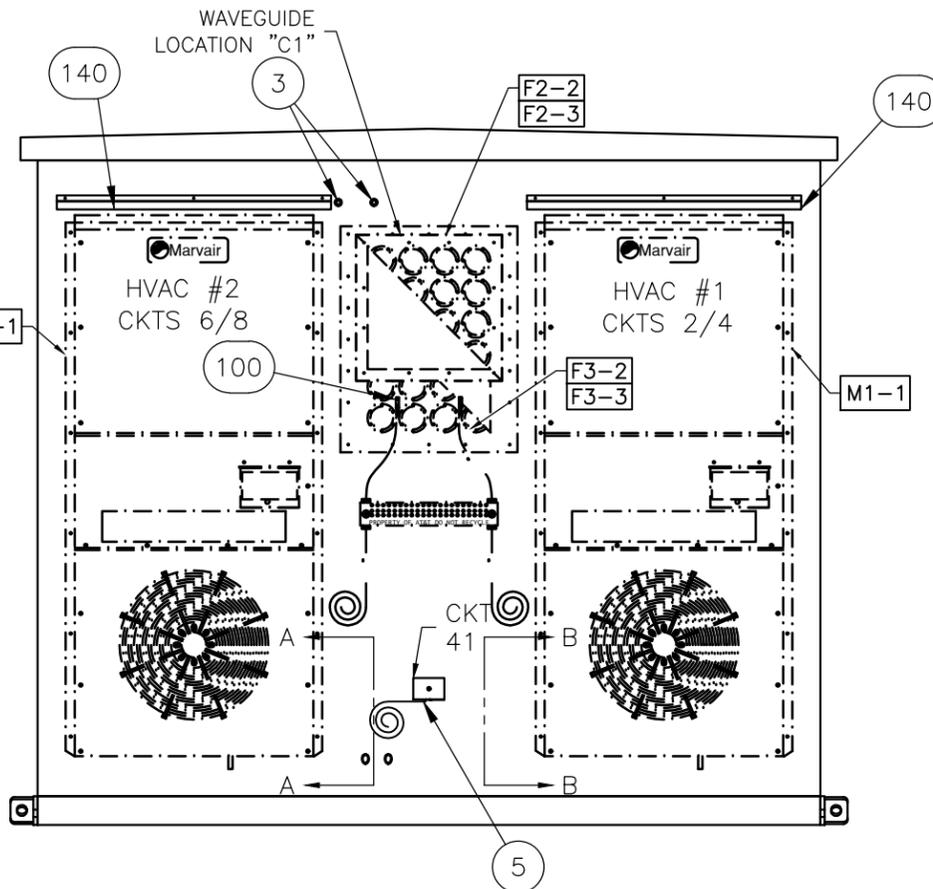
PROJECT:
 11'-5" X 20'-0"
 CONCRETE SHELTER
 EXTERIOR ELEVATIONS
 "A"

FILENAME: CGW/SCGW61	
SCALE: 3/8"=1'-0"	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 1-0	
DRAWING NO.: SCGW61	REV.: PP

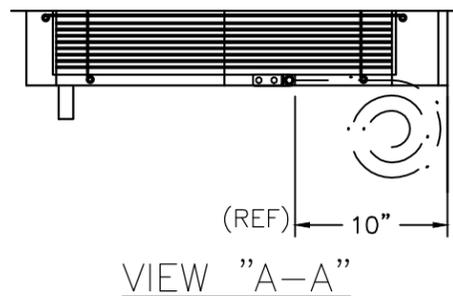


EXTERIOR ELEVATION "C"
(OPTIONAL 5 TON ONLY)

- NOTE:
 1. INSTALL ONLY AT REQUIRED WAVEGUIDE LOCATION.
 INSTALL 6" BELOW WAVEGUIDE AND CENTERED.
 2. REMOVE FOR SHIPPING.

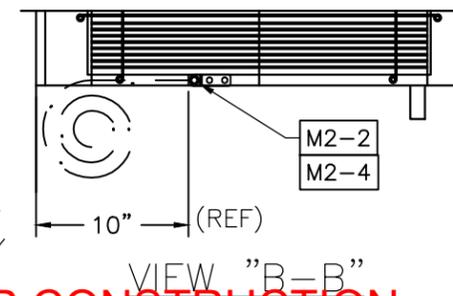


EXTERIOR ELEVATION "C"
(OPTIONAL 6 TON ONLY)



VIEW "A-A"

REFERENCE DIM. ONLY
 ADJUST AS NECESSARY
 ON BOTH HVAC.



VIEW "B-B"

**NOT FOR CONSTRUCTION
 PROPRIETARY**

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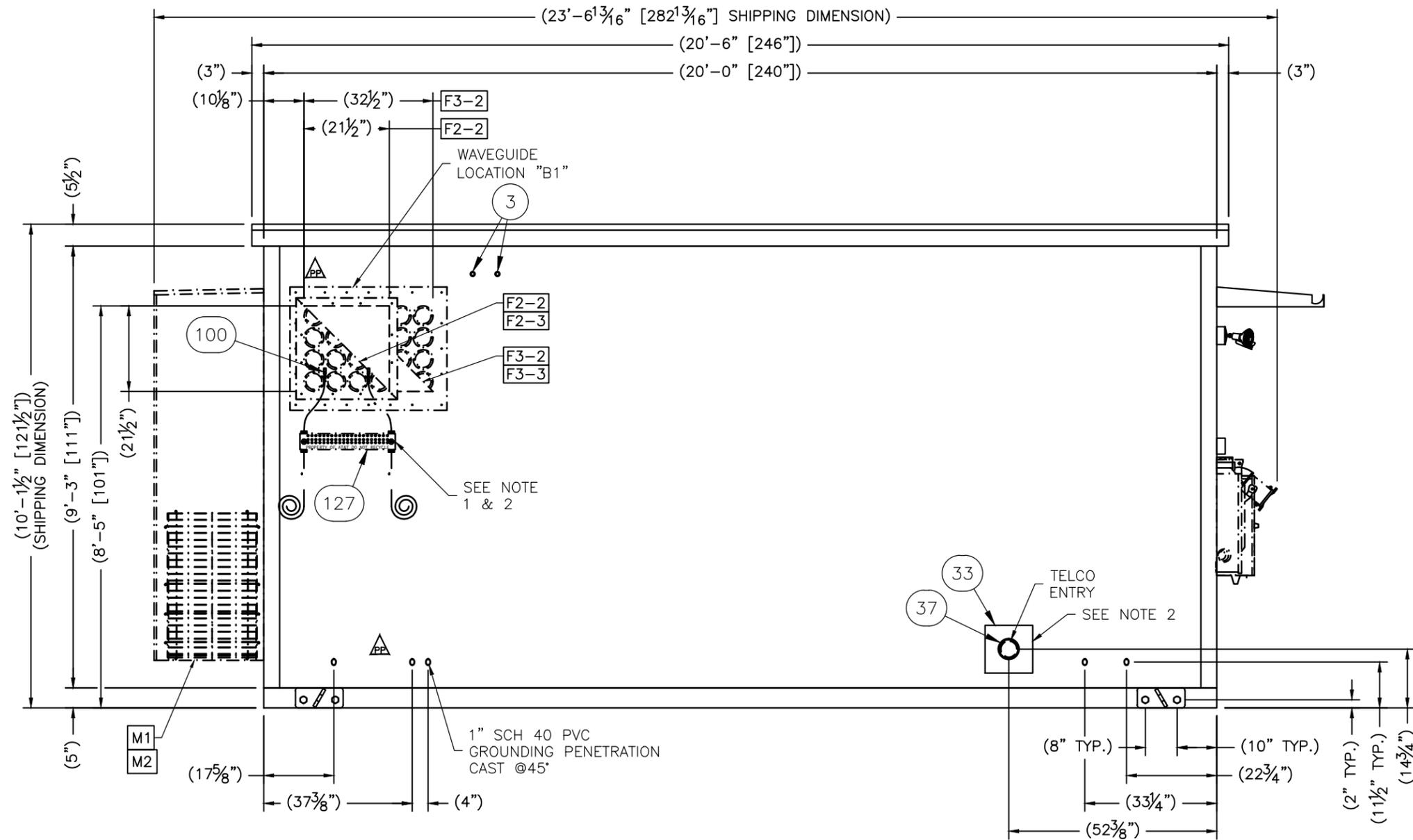
CUSTOMER:
 CINGULAR WIRELESS

PROJECT:
 11'-5" X 20'-0"
 CONCRETE SHELTER
 EXTERIOR ELEVATIONS
 "C" (OPTIONAL)

FILENAME: CGW/SCGW61	
SCALE: 3/8"=1'-0"	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 1-1	

DRAWING NO.:	REV.:
SCGW61	PP

PP	SLM	11/27/12	ADD GRD PENETRATION; MOVED W.G. DOWN 3"	DB	12/7/12
MM	JJ	3/31/11	ADD SHEET; OPTIONAL "C" ELEVATIONS;	BDB	4/11/11
REV	BY	DATE	DESCRIPTION	APP. BY	DATE



NOTE:

1. INSTALL ONLY AT REQUIRED WAVEGUIDE LOCATION. INSTALL 6" BELOW WAVEGUIDE AND CENTERED.
2. REMOVE FOR SHIPPING.

EXTERIOR ELEVATION "B"

NOT FOR CONSTRUCTION

PROPRIETARY

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	ADD GRD PENETRATION; MOVED W.G. DOWN 1"	DB	12/7/12
MM	JJ	4/14/11	UPDATED STD;	BDB	5/11/11
KK	MLZ	11/23/10	UPDATE SHEET PER MARK-UPS	LJL	11/23/10
JJ	AHS	08/11/10	UPDATED PENETRATION LOCATIONS	LJL	08/12/10

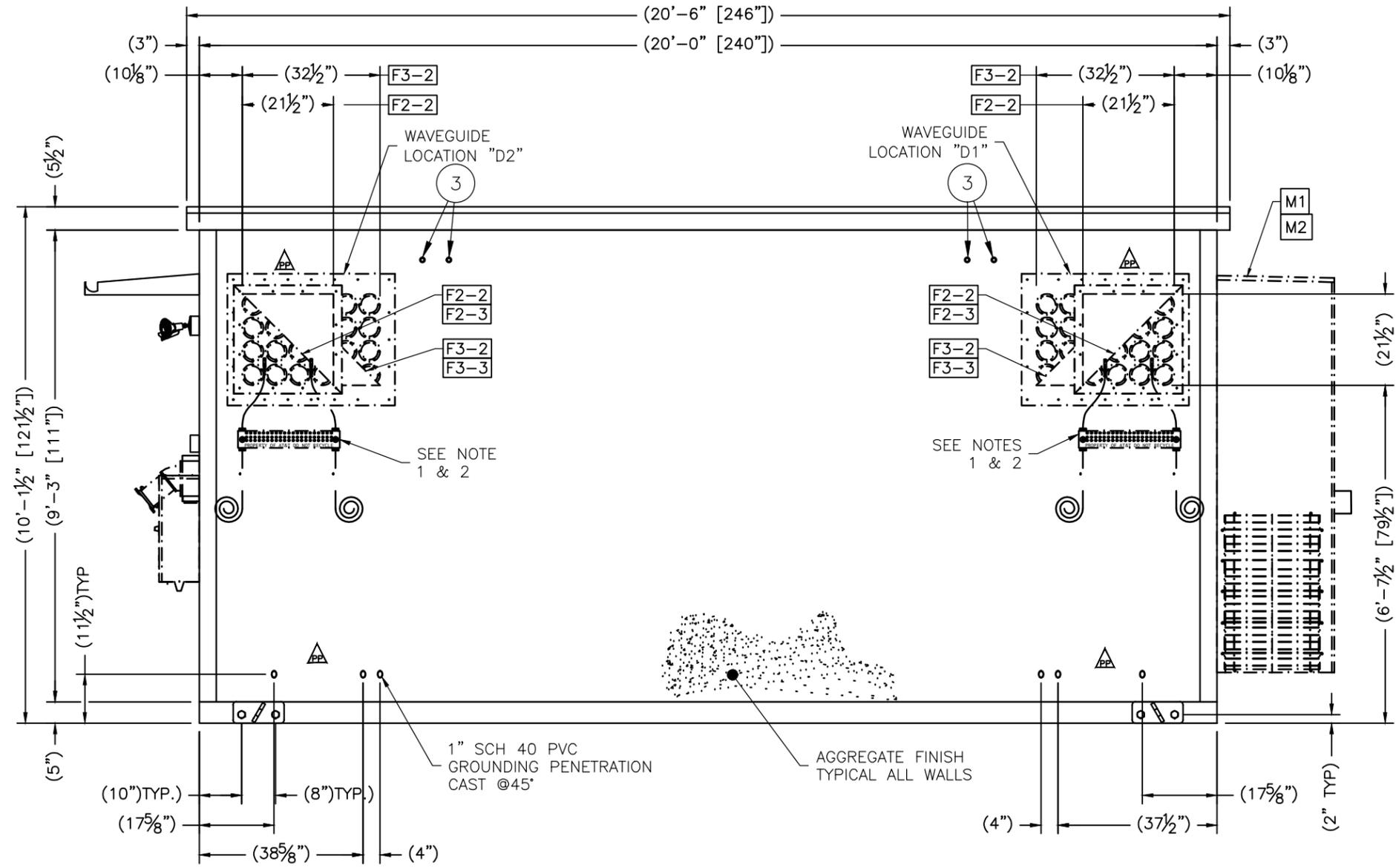
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 www.sabreindustries.com

CUSTOMER:
 CINGULAR WIRELESS

PROJECT:
 11'-5" X 20'-0"
 CONCRETE SHELTER
 EXTERIOR ELEVATION
 "B"

FILENAME: CGW/SCGW61	
SCALE: 3/8"=1'-0"	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 1-2	
DRAWING NO.: SCGW61	REV.: PP



EXTERIOR ELEVATION "D"

NOTE:

1. INSTALL ONLY AT REQUIRED WAVEGUIDE LOCATION. INSTALL 6" BELOW WAVEGUIDE AND CENTERED.
2. REMOVE FOR SHIPPING.

NOT FOR CONSTRUCTION

PROPRIETARY

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	MOVED WG DOWN/ADDED GND PENETRATION	DB	12/7/12
MM	JJ	4/11/11	UPDATE WAVEGUIDES;	BDB	5/10/11
KK	MLZ	11/23/10	UPDATE SHEET PER MARK-UPS	LJL	11/23/10
JJ	AHS	08/11/10	UPDATED PENETRATION LOCATIONS	LJL	08/12/10

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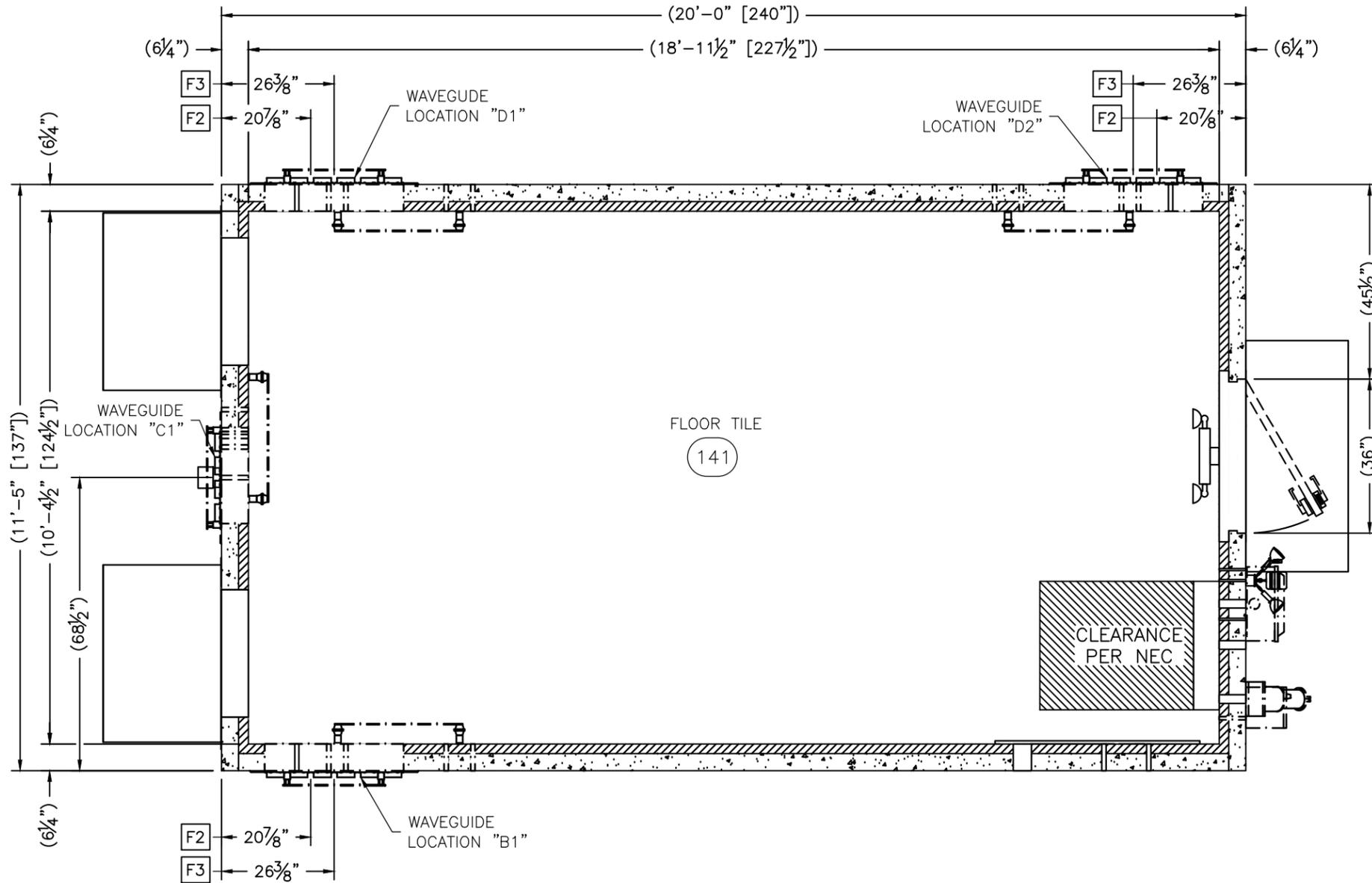
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 Fax: (318) 213-2919
 www.sabreindustries.com

CUSTOMER:
 CINGULAR WIRELESS

PROJECT:
 11'-5" X 20'-0"
 CONCRETE SHELTER
 EXTERIOR ELEVATION
 "D"

FILENAME: CGW/SCGW61	
SCALE: 3/8"=1'-0"	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 1-3	
DRAWING NO.:	REV.:
SCGW61	PP

SUB-PARTS LIST				
ITEM	QTY	P/N	ORIGINAL DESCRIPTION	CUT
141	229.0000	320021	TILE VINYL, 1/8", VINYLASA, VL556	



FLOOR PLAN
 228.33 SQ. FT. EXTERIOR AREA
 196.69 SQ. FT. INTERIOR AREA

**NOT FOR CONSTRUCTION
 PROPRIETARY**

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
LL	KBM	12/29/10	TOOK EQUIPMENT OUT OF LAYOUT	WR	1/5/11
JJ	AHS	08/11/10	UPDATED PENETRATION AND DOOR LOCATIONS	LJL	08/12/10
CC	DJC	08/27/09	UPDATED GROUND BARS	GAB	08/27/09

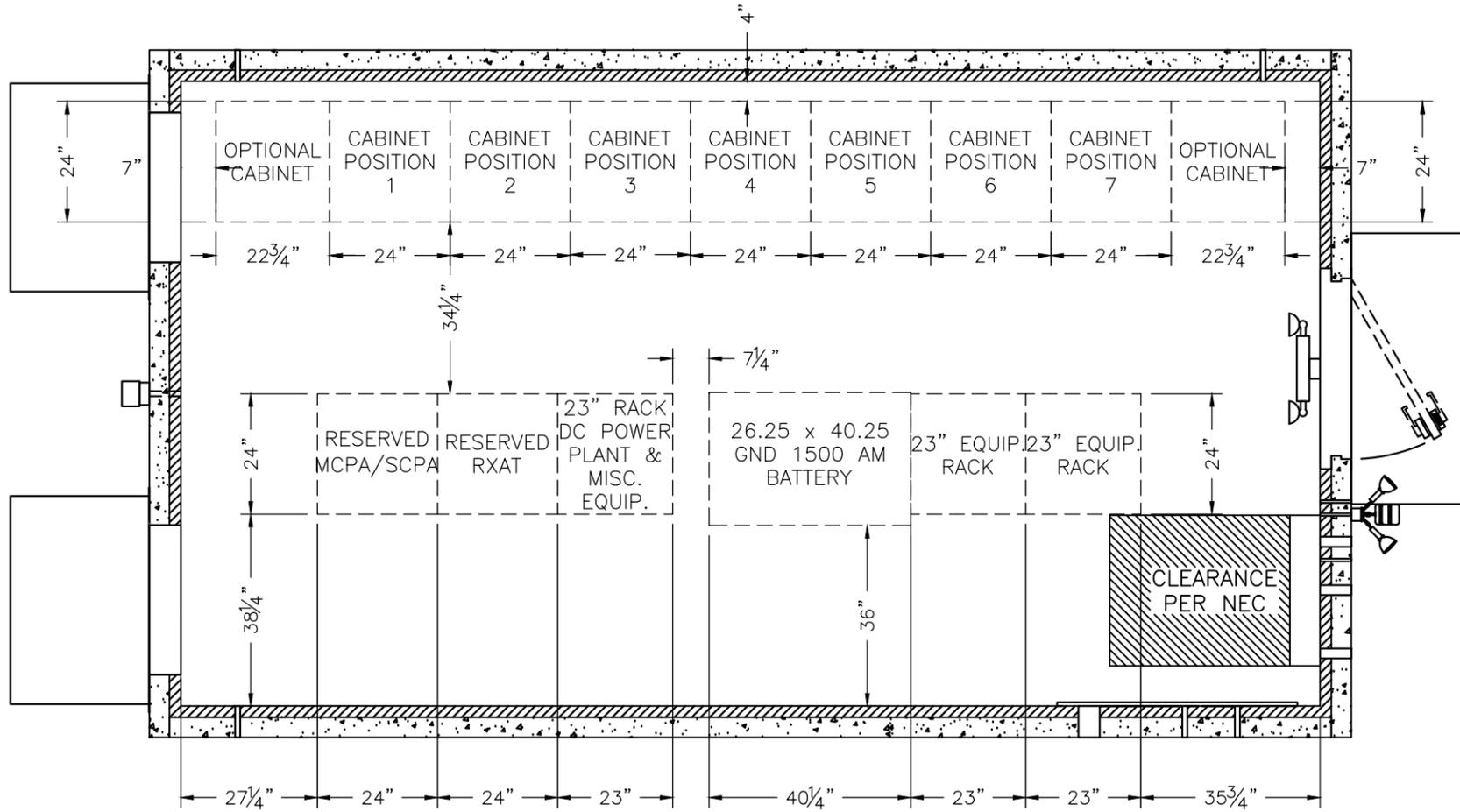
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CUSTOMER:
 CINGULAR WIRELESS

PROJECT:
 11'-5" X 20'-0"
 CONCRETE SHELTER
 FLOOR PLAN

FILENAME: CGW/SCGW61	
SCALE: 3/8"=1'-0"	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 2-0	
DRAWING NO.: SCGW61	REV.: PP



EQUIPMENT LAYOUT

NOT FOR CONSTRUCTION

PROPRIETARY

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
MM	JJ	3/31/11	NEW EQUIPMENT LAYOUT;	MM	4/6/11
LL	AHS	08/11/10	RELOCATED EQUIPMENT	WR	1/5/11
JJ	AHS	08/11/10	NEW SHEET	LJL	08/12/10
CC	DJC	08/27/09	UPDATED GROUND BARS	GAB	08/27/09

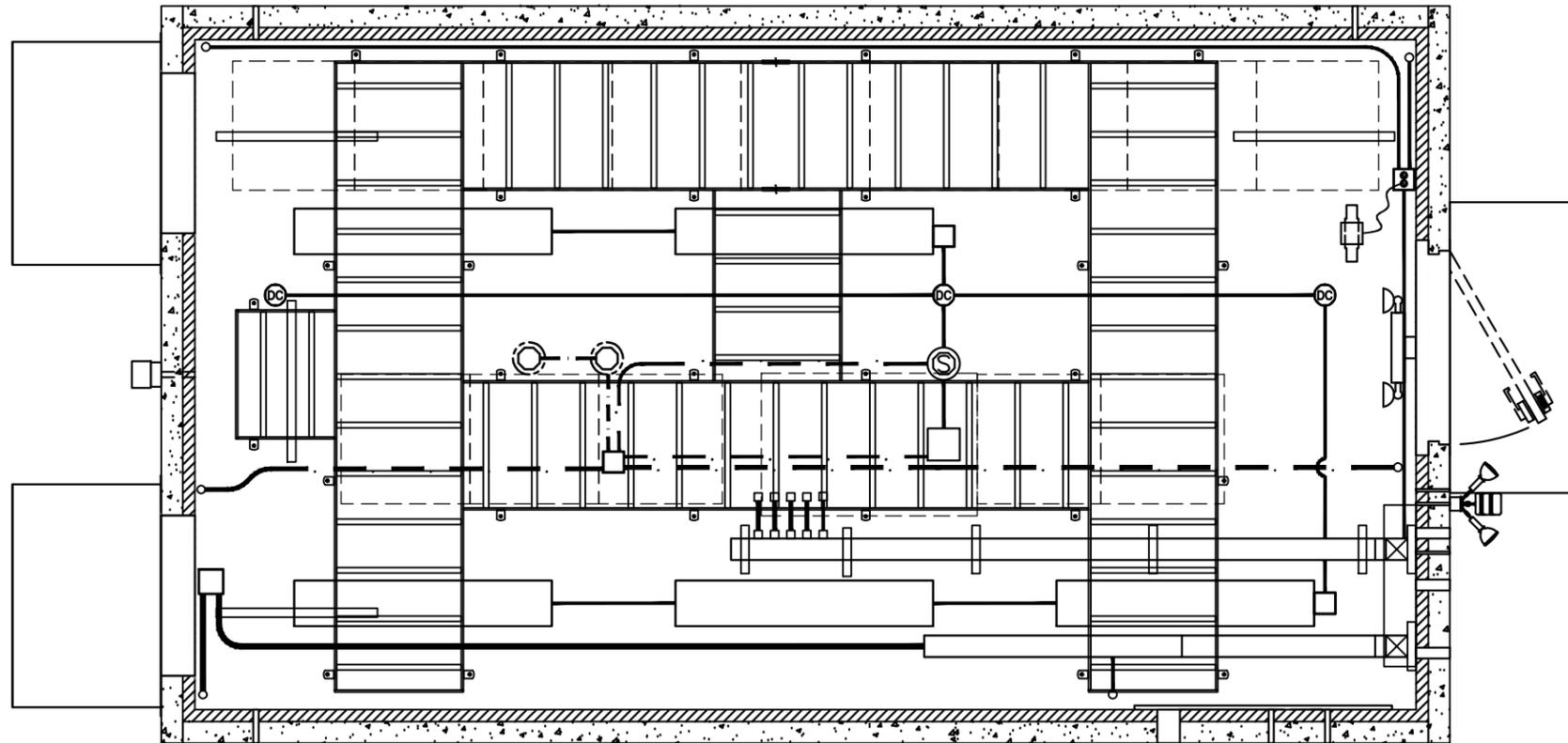
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CUSTOMER:
 CINGULAR WIRELESS

PROJECT:
 11'-5" X 20'-0"
 CONCRETE SHELTER
 FLOOR PLAN
 EQUIPMENT LAYOUT

FILENAME: CGW/SCGW61	
SCALE: 3/8"=1'-0"	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 2-1	
DRAWING NO.: SCGW61	REV.: PP



REFLECTED CEILING PLAN
OVERLAY

**NOT FOR CONSTRUCTION
PROPRIETARY**

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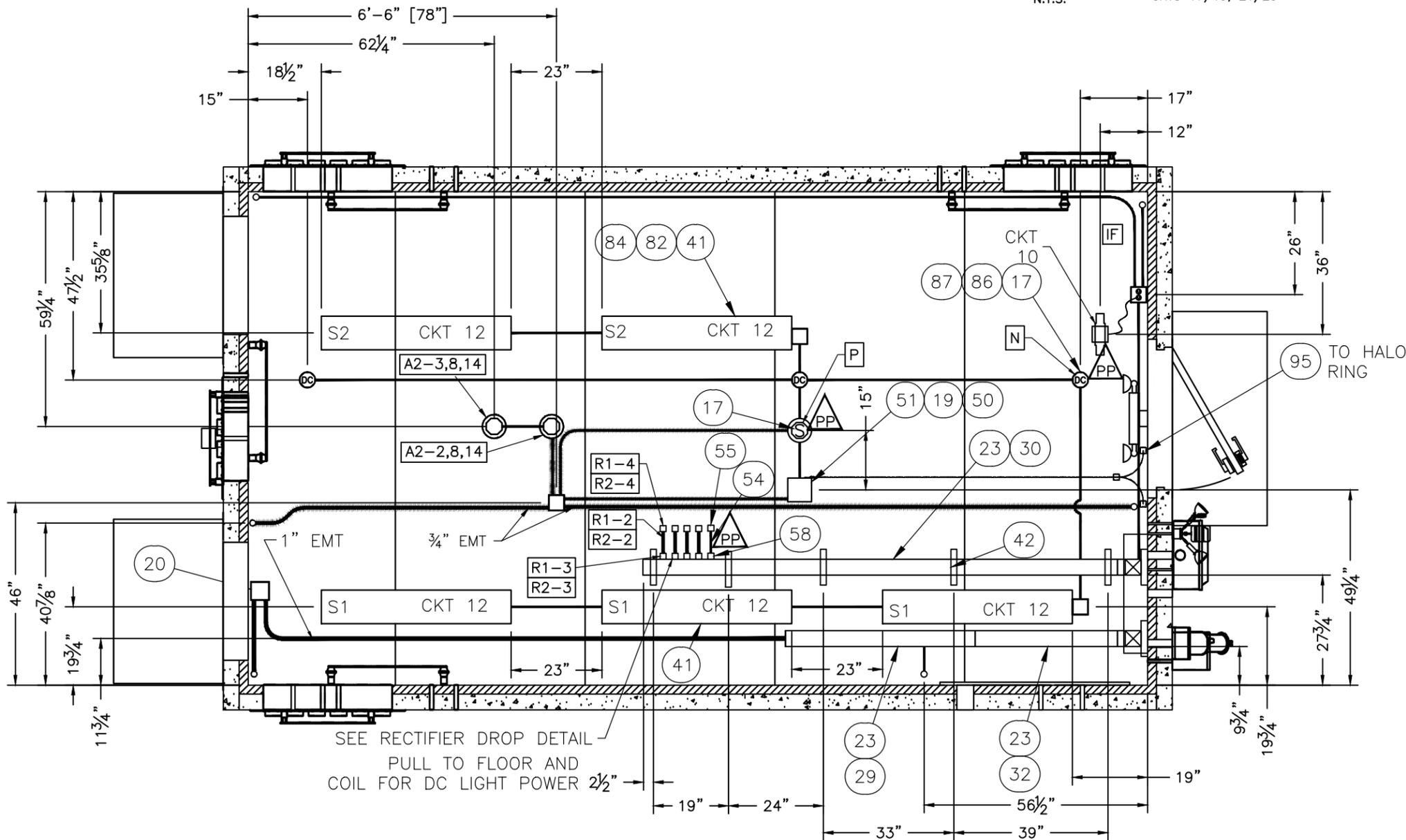
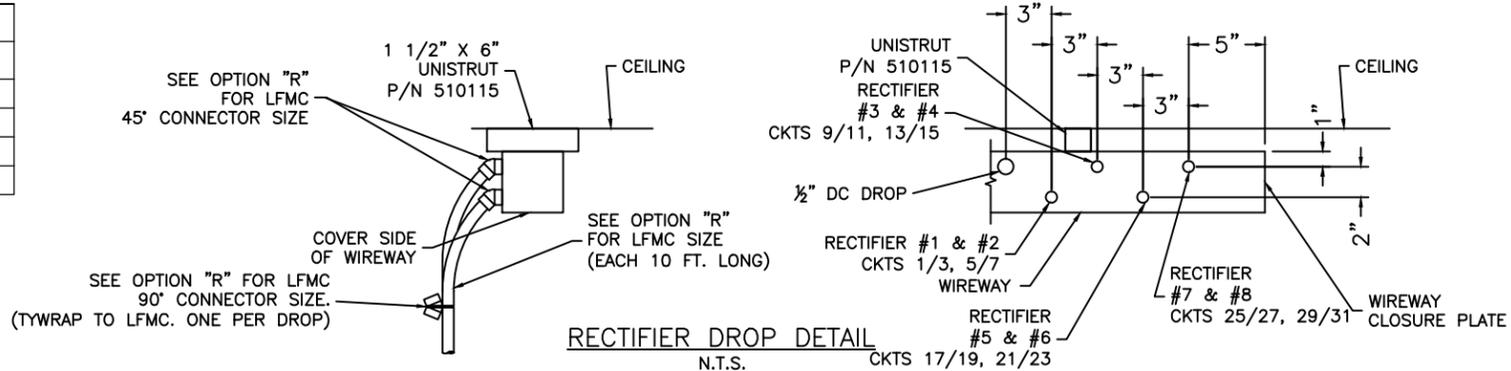
CUSTOMER:
CINGULAR WIRELESS

PROJECT:
**11'-5" X 20'-0"
CONCRETE SHELTER
REFLECTED CEILING
PLAN - OVERLAY**

FILENAME: CGW/SCGW61	
SCALE: 3/8"=1'-0"	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 2-2	
DRAWING NO.: SCGW61	REV.: PP

MM	JJ	3/30/11	ADD OVERLAY SHEET;	BDB	4/6/11
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

SUB-PARTS LIST			
ITEM	P/N	ORIGINAL DESCRIPTION	CUT
29	430268	WIREWAY,GALV,4"x4"x48",W/O KO'S	48"
30	430269	WIREWAY,GALV,4"x4"x120",W/O KO'S	120"
32	430319	WIREWAY,GALV,4"x4"x36",W/O KO'S	36"
54	410112	CONDUIT,LFMC,1/2",SEALTITE	96"



[IF] = INTERIOR FINISH START PANEL

REFLECTED CEILING PLAN
ELECTRICAL

NOT FOR CONSTRUCTION

PROPRIETARY

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	CHANGED LFMC CONNECTORS/MOVE DC & SMOKER TO OPT. DE	DB	12/7/12
MM	JJ	3/31/11	UPDATED WIREWAY LOCATION, MOVE LIGHTS	BDB	4/6/11
LL	KBM	12/29/10	UPDATE SHEET PER MARK-UPS	WR	1/5/11
KK	MLZ	11/23/10	UPDATE SHEET PER MARK-UPS	LJL	11/23/10

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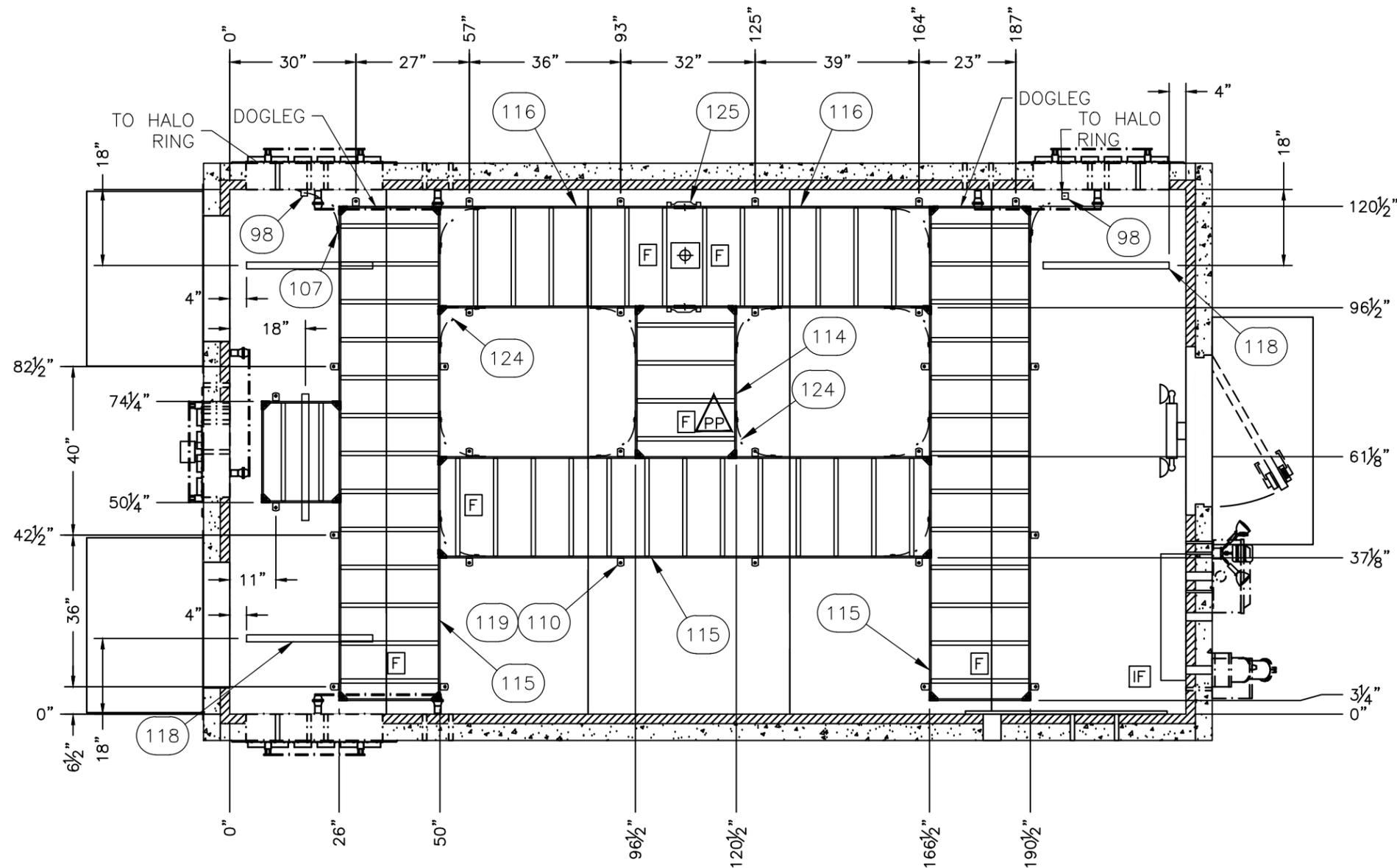
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 Fax: (318) 213-2919
 www.sabreindustries.com

CUSTOMER:
 CINGULAR WIRELESS

PROJECT:
 11'-5" X 20'-0"
 CONCRETE SHELTER
 REFLECTED CEILING
 PLAN - ELECTRICAL

FILENAME: CGW/SCGW61	
SCALE: 3/8"=1'-0"	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 3-0	
DRAWING NO.:	REV.:
SCGW61	PP

SUB-PARTS LIST			
ITEM	P/N	ORIGINAL DESCRIPTION	CUT
114	510052	CABLE LADDER,24"X9'8 1/2",YELLOW ZI	35 3/8"
115	510052	CABLE LADDER,24"X9'8 1/2",YELLOW ZI	116 1/2"
116	510052	CABLE LADDER,24"X9'8 1/2",YELLOW ZI	82"



REFLECTED CEILING PLAN
MECHANICAL

- NOTE:
 1. CABLE LADDER IS 8'-0" [96"] A.F.F.
 [F] = FACTORY END OF CABLE TRAY.
 [⊕] = SPLICE
 [IF] = INTERIOR FINISH START PANEL

NOT FOR CONSTRUCTION
PROPRIETARY

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	CHANGED CABLE LADDER LENGTH	DD	12/7/12
MM	JJ	3/31/11	UPDATE CABLE TRAY TO NEW STD;	DD	4/6/11
LL	KBM	12/29/10	RELOCATED CABLE TRAYS	WR	1/5/11
GG	MST	06/04/10	UPDATED HANGER LOCATIONS		

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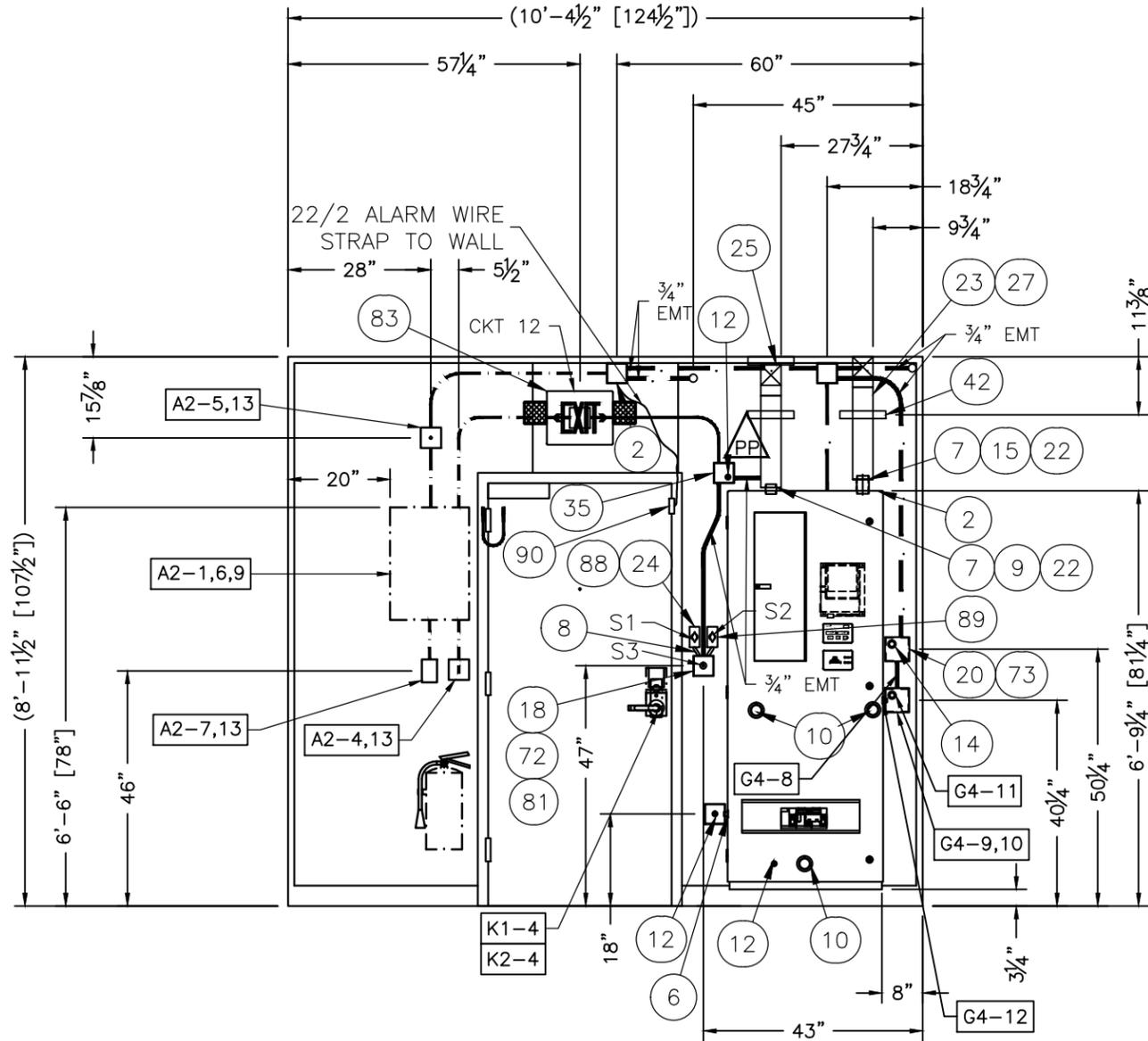
Sabre Industries™
 Building Systems by CellXion
 5031 Hazel Jones Road
 Bossier City, LA 71111
 Voice: (318) 213-2900
 Fax: (318) 213-2919
 www.sabreindustries.com

CUSTOMER:
CINGULAR WIRELESS

PROJECT:
11'-5" X 20'-0" CONCRETE SHELTER REFLECTED CEILING PLAN - MECHANICAL

FILENAME: CGW/SCGW61	
SCALE: 3/8"=1'-0"	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 3-1	
DRAWING NO.: SCGW61	REV.: PP

SUB-PARTS LIST			
ITEM	P/N	ORIGINAL DESCRIPTION	CUT
27	430252	WIREWAY,GALV,4"X4"X18",W/O KO'S	18"



INTERIOR ELEVATION "A"
ELECTRICAL

NOT FOR CONSTRUCTION

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	ADDED EXTENSION RING	DR	12/7/12
NN	JAJ	5/5/12	REMOVED GROUNDING PER DSC	DB	5/5/12
MM	JJ	3/31/11	UPDATE TO NEW STD; REMOVED ELEVATION "C";	BDB	4/6/11
LL	KBM	12/29/10	ADDED GFCI TO WALL "A"	WR	1/5/11
KK	MLZ	11/23/10	UPDATE SHEET PER MARK-UPS	LJL	11/23/10

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CUSTOMER:

CINGULAR WIRELESS

PROJECT:

11'-5" X 20'-0"
CONCRETE SHELTER
INTERIOR ELEVATIONS
"A" ELECTRICAL

FILENAME:
CGW/SCGW61

SCALE:	TOLERANCE:
3/8"=1'-0"	
DRWN. BY:	DATE:
K. MATHENY	12/29/10
CHK. BY:	DATE:
W. RODRIGUEZ	1/5/11
APP. BY:	DATE:
D. BRANNEN	1/5/11

SHEET NO.

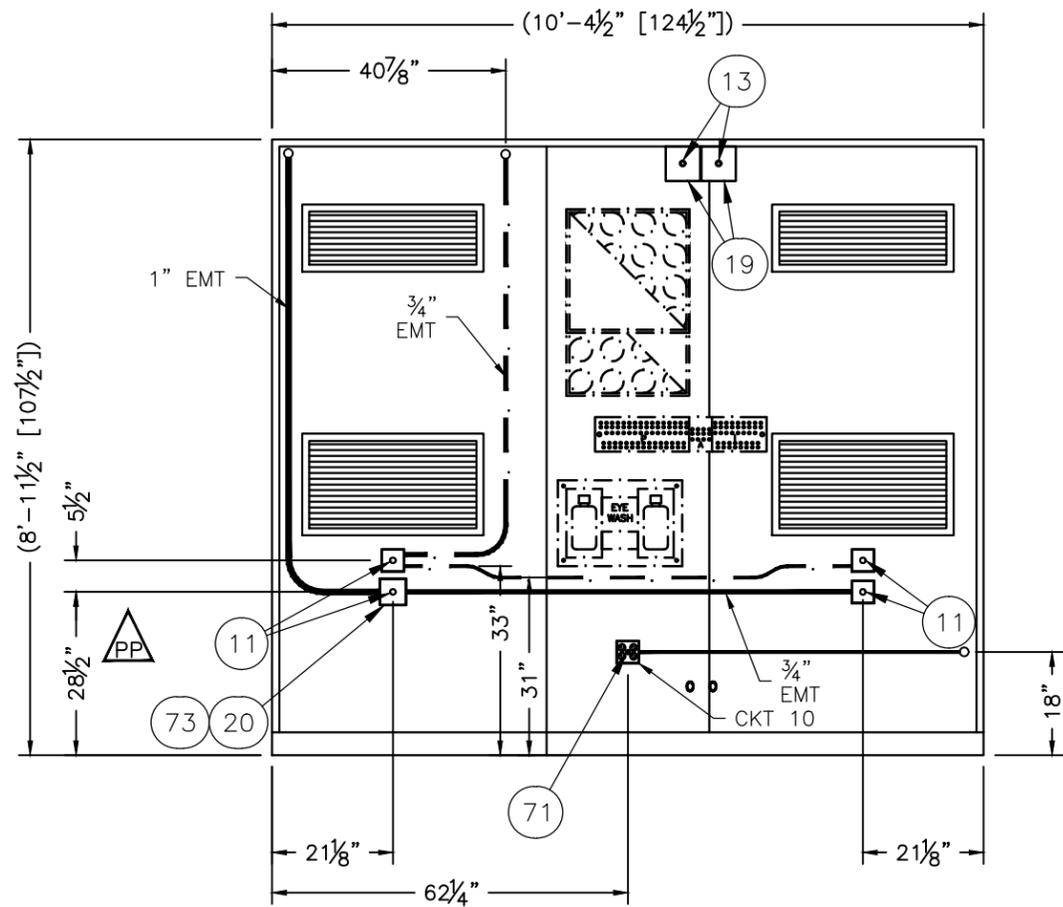
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DRAWING NO.:

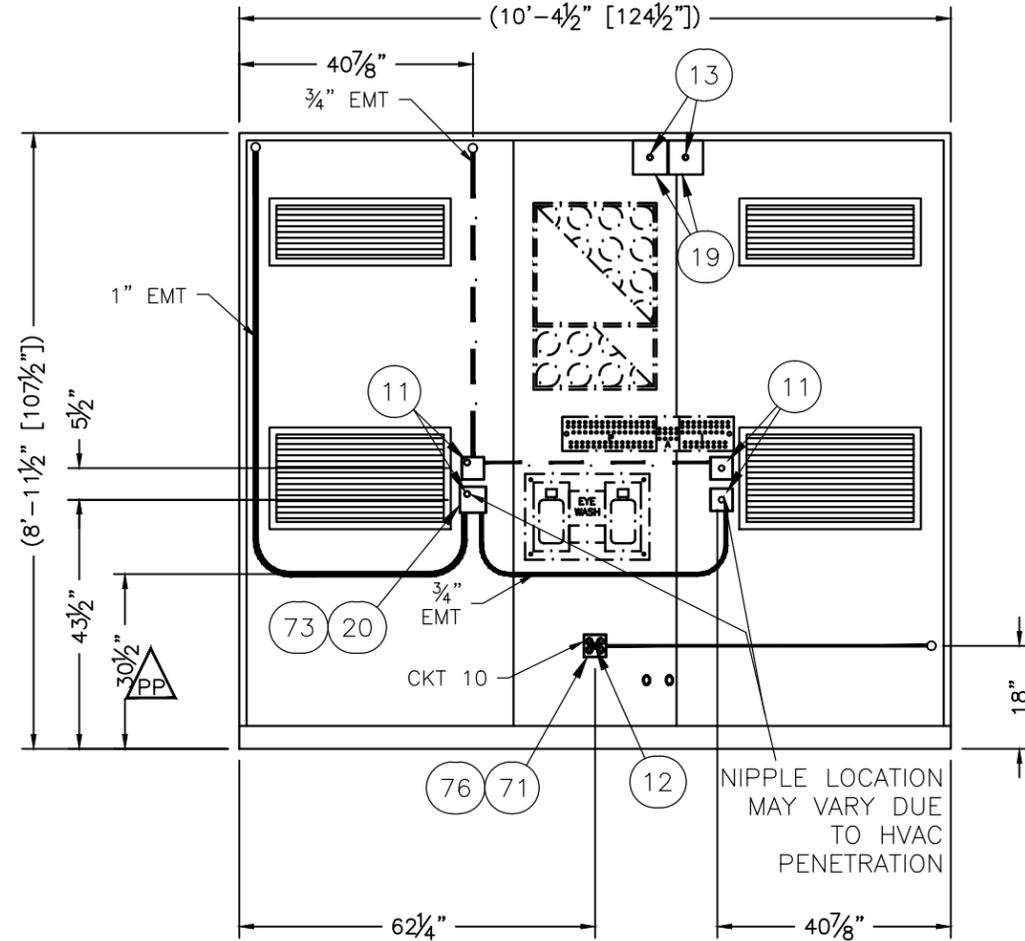
SCGW61

REV.:

PP



INTERIOR ELEVATION "C"
ELECTRICAL
(5 TON OPTION ONLY)



INTERIOR ELEVATION "C"
ELECTRICAL
(6 TON OPTION ONLY)

**NOT FOR CONSTRUCTION
PROPRIETARY**

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	UPDATED HVAC CONDUIT	DB	12/7/12
NN	JAJ	5/5/12	REMOVED GROUNDING PER DSC	DB	5/5/12
MM	JJ	3/31/11	ADD SHEET: ADD OPTIOAL HVAC;	BDB	4/6/11

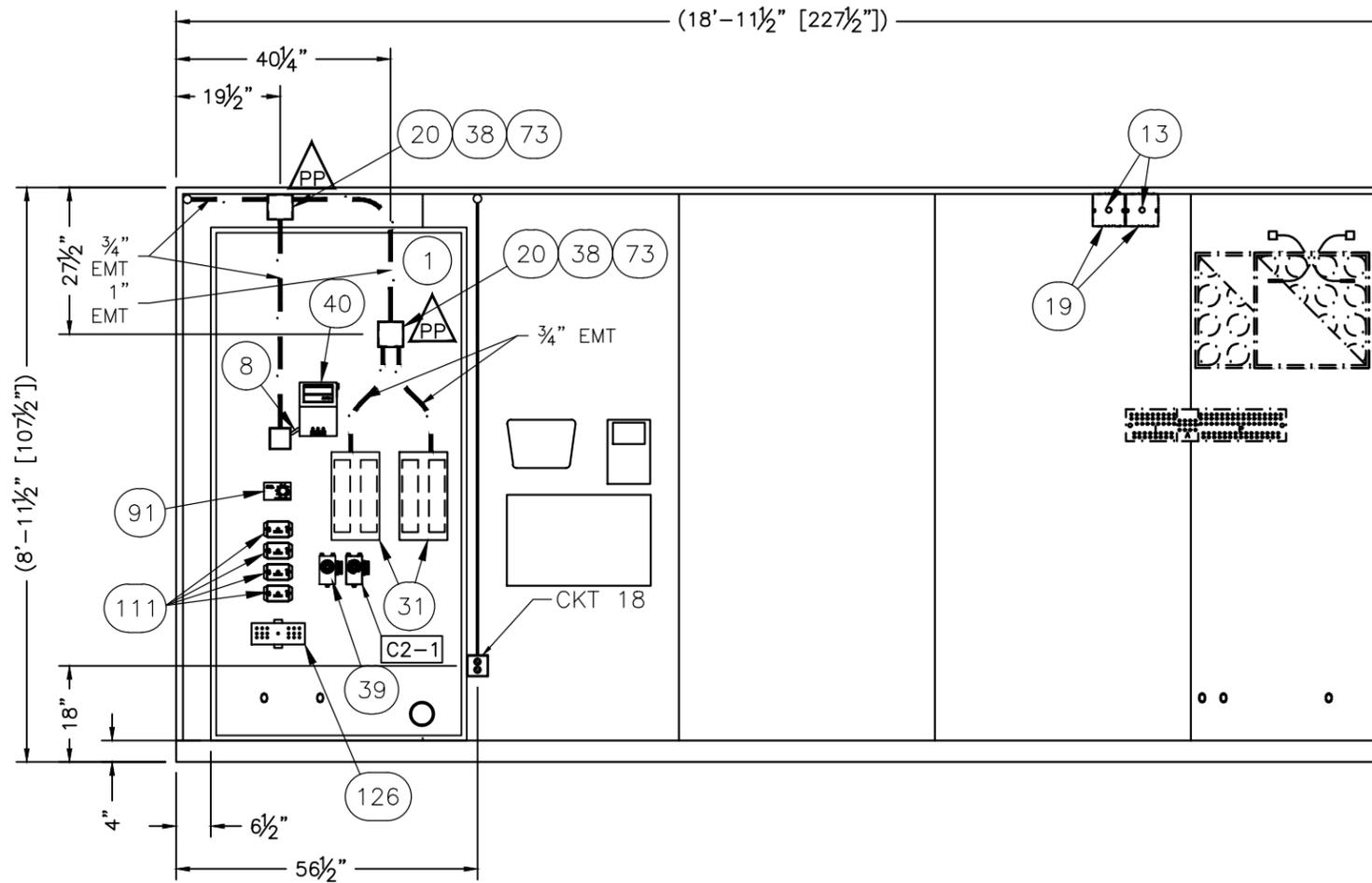
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CUSTOMER:
CINGULAR WIRELESS

PROJECT:
**11'-5" X 20'-0"
CONCRETE SHELTER
INTERIOR ELEVATIONS
"C" ELECTRICAL**

FILENAME: CGW/SCGW61	
SCALE: 3/8"=1'-0"	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 4-1	
DRAWING NO.: SCGW61	REV.: PP



INTERIOR ELEVATION "B"
ELECTRICAL
SEE SHT 7-0 FOR TELCO DETAILS

NOT FOR CONSTRUCTION

PROPRIETARY

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	ADDED 4 11/16" BOX, EXTENSION RING	DB	12/7/12
NN	JAJ	5/5/12	REMOVED GROUNDING PER DSC	DB	5/5/12
MM	JJ	3/31/11	RELOCATED TABLE, HOLDER, DATA PLATE; MOVE TELCO DETL;	BDB	4/6/11
LL	KBM	12/29/10	RELOCATED FOLDING TABLE	WR	12/29/10

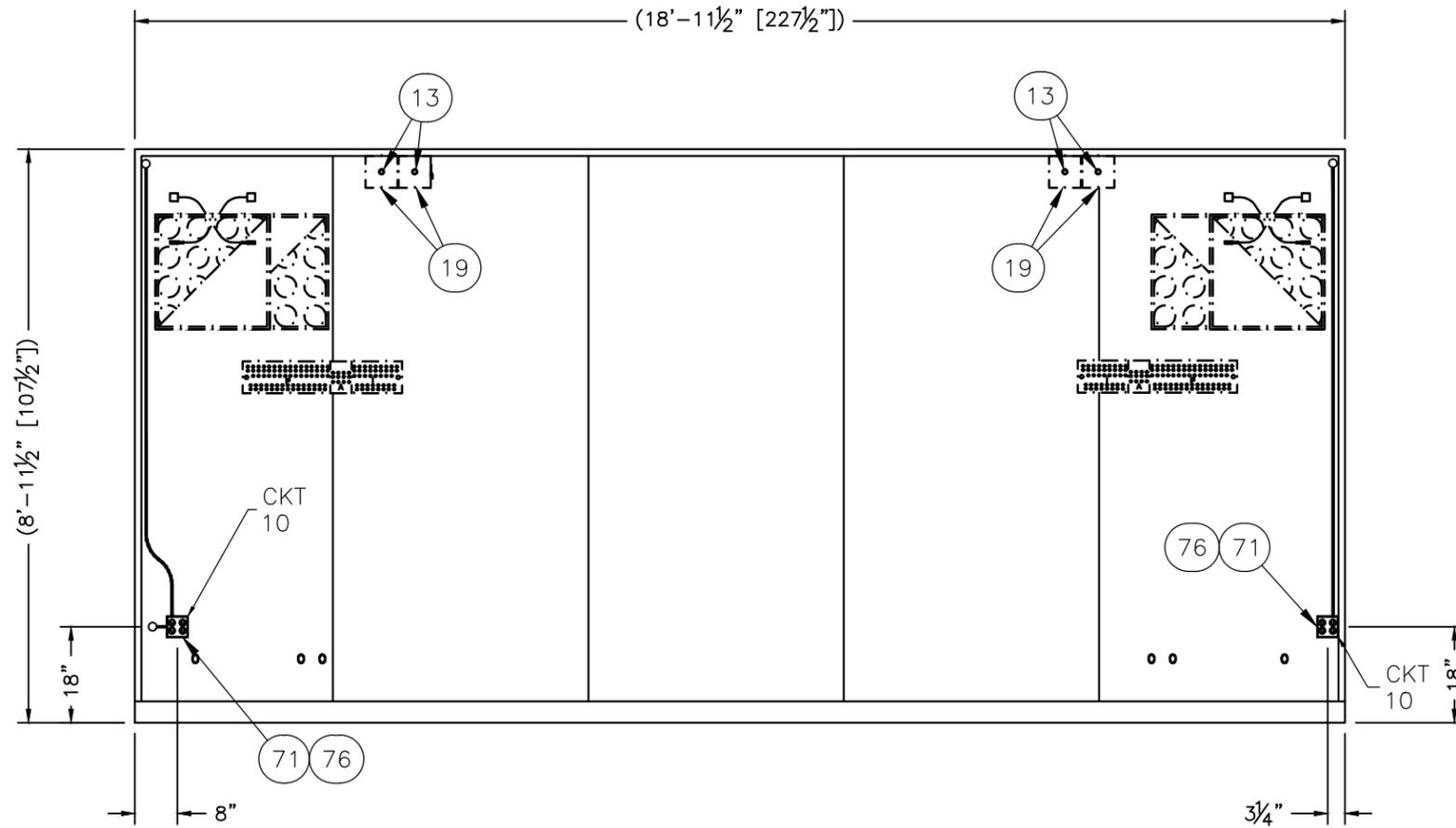
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CUSTOMER:
CINGULAR WIRELESS

PROJECT:
11'-5" X 20'-0"
CONCRETE SHELTER
INTERIOR ELEVATION
"B" ELECTRICAL

FILENAME: CGW/SCGW61	
SCALE: 3/8"=1'-0"	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 4-2	
DRAWING NO.:	REV.:
SCGW61	PP



INTERIOR ELEVATION "D"
ELECTRICAL

NOT FOR CONSTRUCTION
PROPRIETARY

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
NN	JAJ	5/5/12	REMOVED GROUNDING PER DSC	BDB	5/5/12
MM	JJ	4/14/11	UPDATE WAVEGUIDES;	BDB	5/10/11
LL	KBM	12/29/10	RELOCATED FOLDING DESK	WR	1/5/11
JJ	AHS	08/11/10	RELOCATED PENETRATIONS AND EQUIPMENT	LJL	08/12/10

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CUSTOMER:

CINGULAR WIRELESS

PROJECT:

11'-5" X 20'-0"
CONCRETE SHELTER
INTERIOR ELEVATION
"D" ELECTRICAL

FILENAME:
CGW/SCGW61

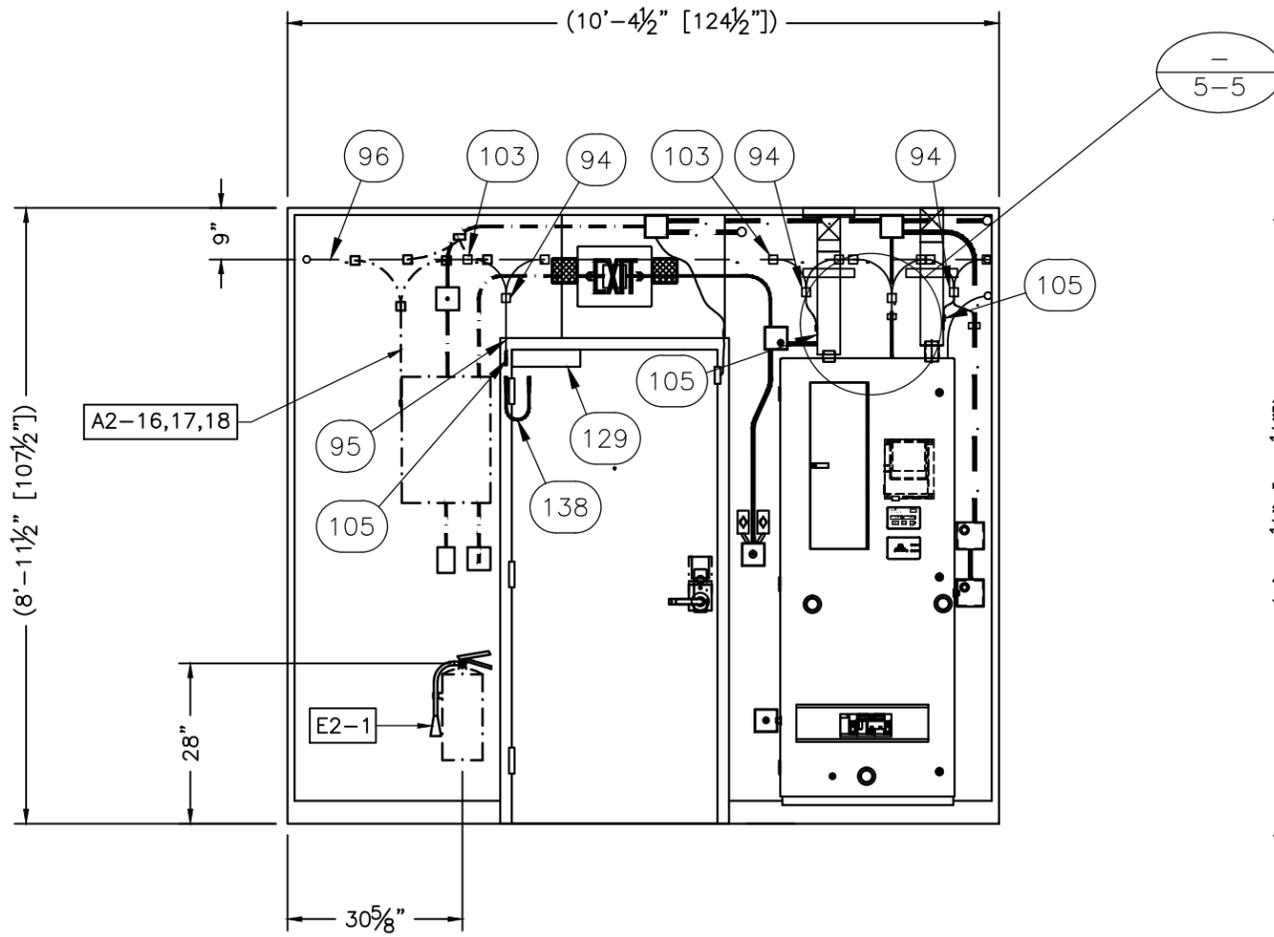
SCALE:	TOLERANCE:
3/8"=1'-0"	
DRWN. BY:	DATE:
K. MATHENY	12/29/10
CHK. BY:	DATE:
W. RODRIGUEZ	1/5/11
APP. BY:	DATE:
D. BRANNEN	1/5/11

SHEET NO.

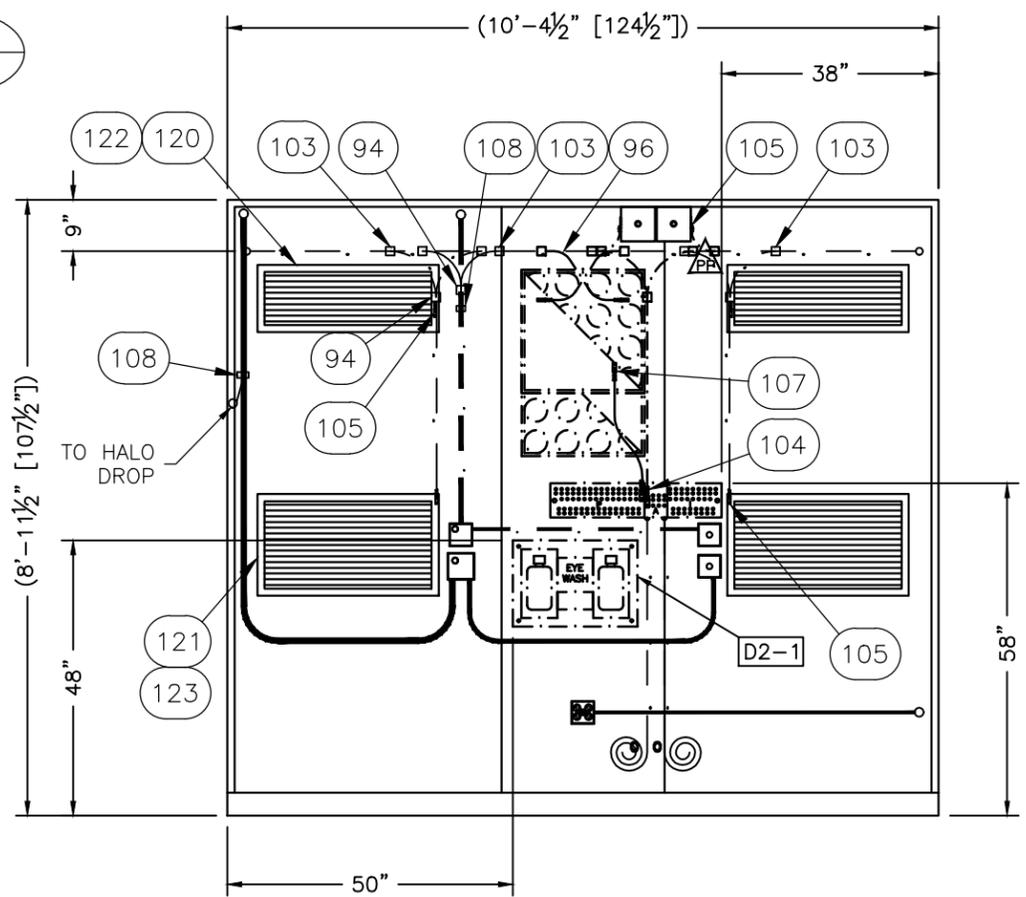
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DRAWING NO.:
SCGW61

REV.:
PP



INTERIOR ELEVATION "A"
MECHANICAL



INTERIOR ELEVATION "C"
MECHANICAL

**NOT FOR CONSTRUCTION
PROPRIETARY**

PP	SLM	11/27/12	UPDATED GROUNDING	DB	12/7/12
NN	JAJ	5/5/12	ADD GROUNDING SHEET PER DSC	DB	5/5/12
MM	JJ	3/31/11	UPDATE TO NEW STD; REMOVED ELEVATION "C";	BDB	4/6/11
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

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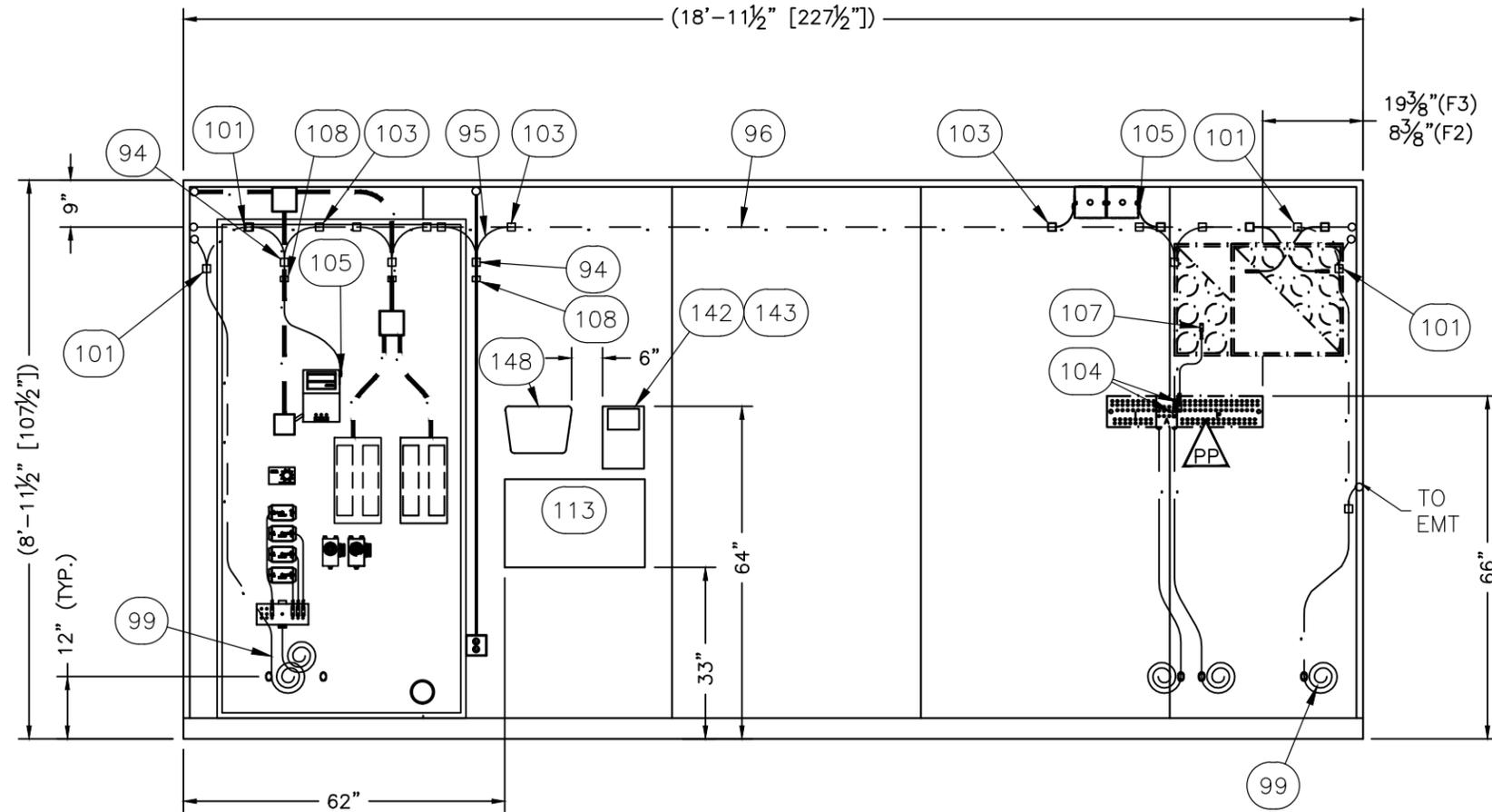
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CUSTOMER:
CINGULAR WIRELESS

PROJECT:
11'-5" X 20'-0" CONCRETE SHELTER INTERIOR ELEVATIONS "A" & "C" MECHANICAL

FILENAME: CGW/SCGW61	
SCALE: 3/8"=1'-0"	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 5-0	
DRAWING NO.: SCGW61	REV.: PP

SUB-PARTS LIST			
ITEM	P/N	ORIGINAL DESCRIPTION	CUT
99	400099	WIRE, #2 SOLID COPPER, BARE, TINNED	216"



INTERIOR ELEVATION "B"
MECHANICAL

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CUSTOMER:

CINGULAR WIRELESS

PROJECT:
11'-5" X 20'-0"
CONCRETE SHELTER
INTERIOR ELEVATION
"B" MECHANICAL

FILENAME:
CGW/SCGW61

SCALE: 3/8"=1'-0"	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11

SHEET NO.
5-1

DRAWING NO.:
SCGW61

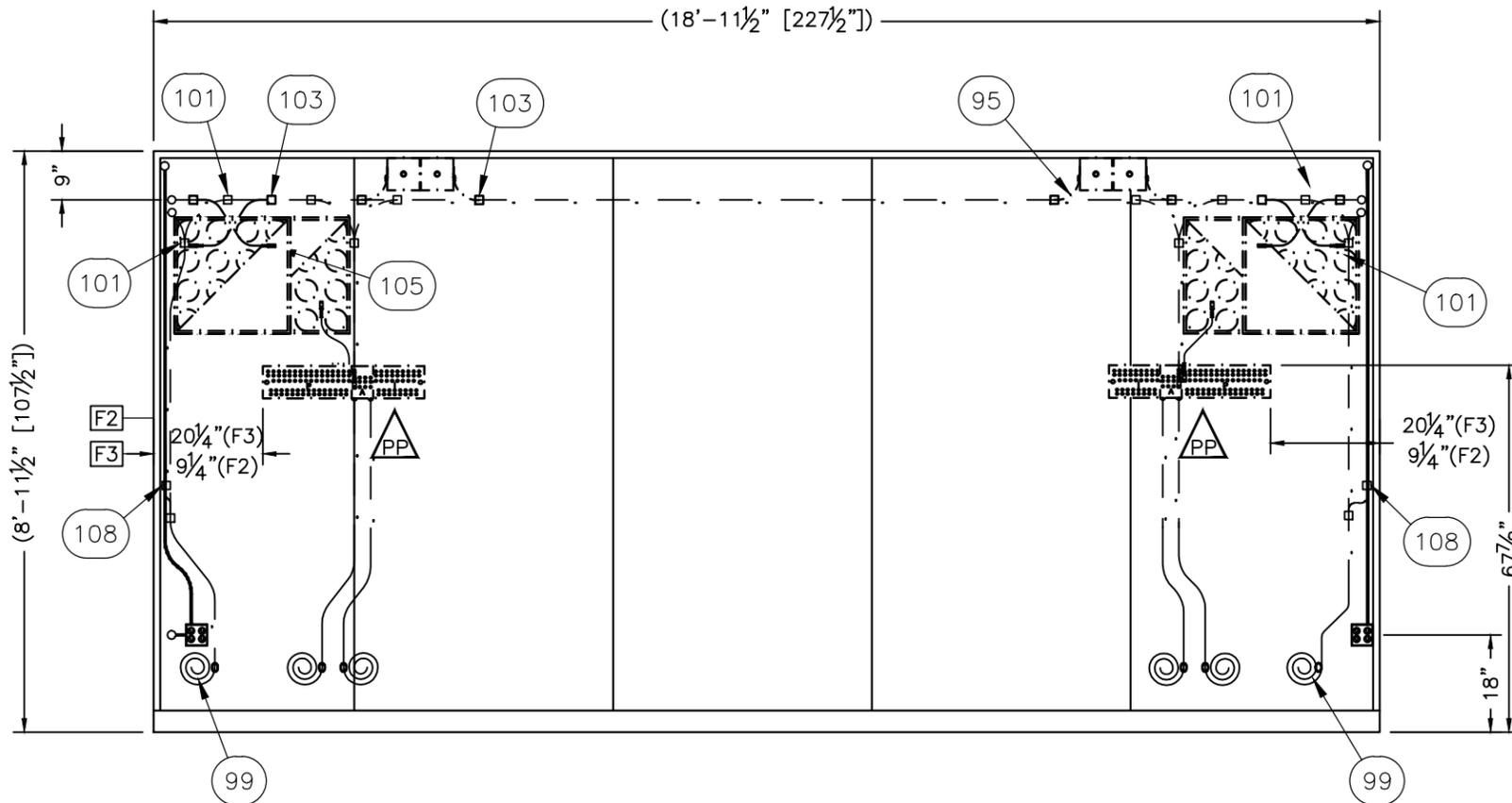
REV.:
PP

NOT FOR CONSTRUCTION

PROPRIETARY

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	UPDATED GROUNDING PER AT&T	DB	12/7/12
NN	JAJ	5/5/12	ADD GROUNDING SHEET PER DSC	DB	5/5/12
MM	JJ	3/31/11	RELOCATED TABLE, HOLDER, DATA PLATE; MOVE TELCO DETL;	BDB	4/6/11
LL	KBM	12/29/10	RELOCATED FOLDING TABLE	WR	12/29/10

SUB-PARTS LIST			
ITEM	P/N	ORIGINAL DESCRIPTION	CUT
99	400099	WIRE, #2 SOLID COPPER, BARE, TINNED	216"



INTERIOR ELEVATION "D"
GROUNDING

**NOT FOR CONSTRUCTION
PROPRIETARY**

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	UPDATED GROUNDING PER AT&T	DB	12/7/12
NN	JAJ	5/5/12	ADD GROUNDING SHEET PER DSC	DB	5/5/12
MM	JJ	4/14/11	UPDATE WAVEGUIDES;	BDB	5/10/11

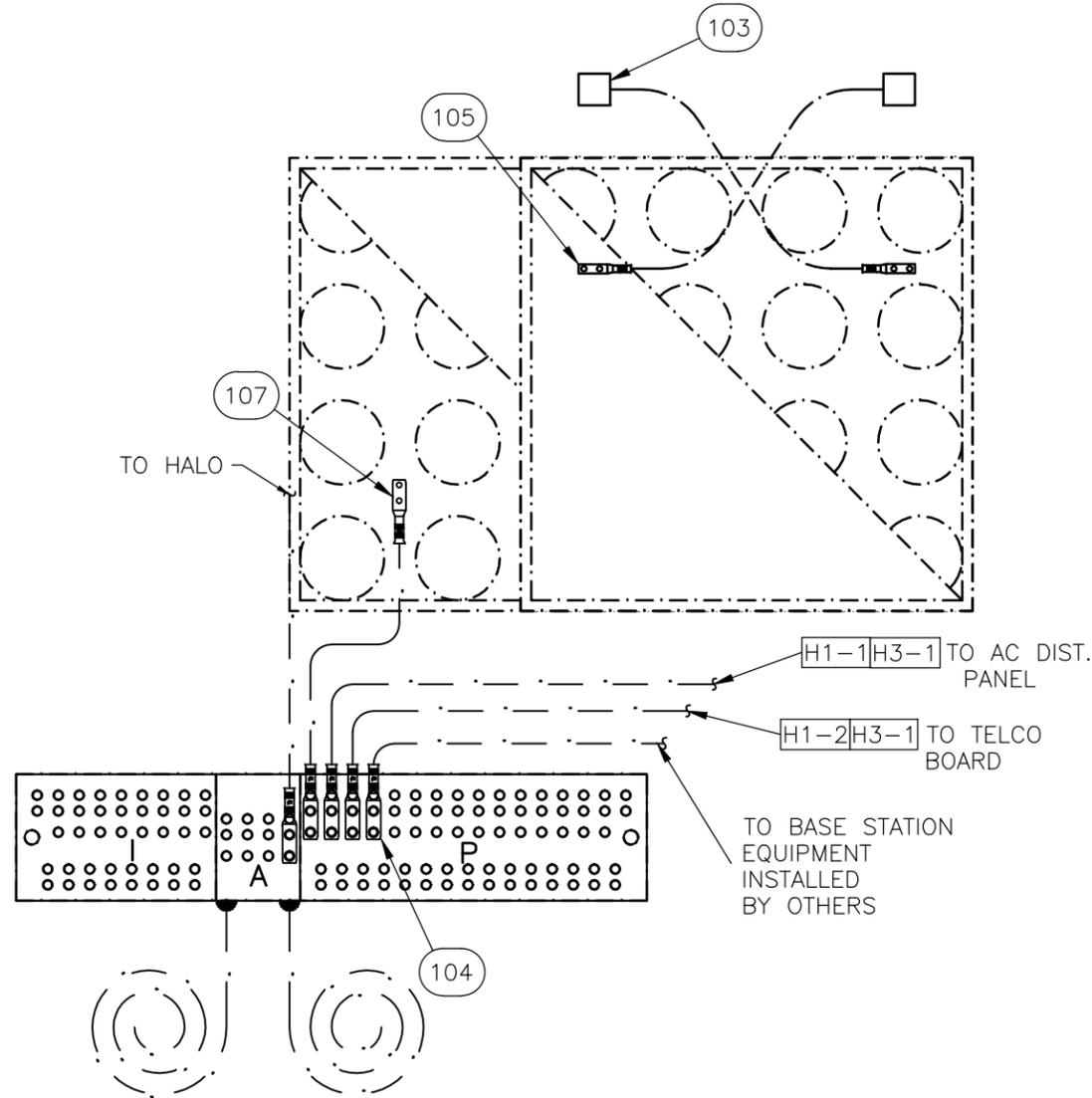
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CUSTOMER:
CINGULAR WIRELESS

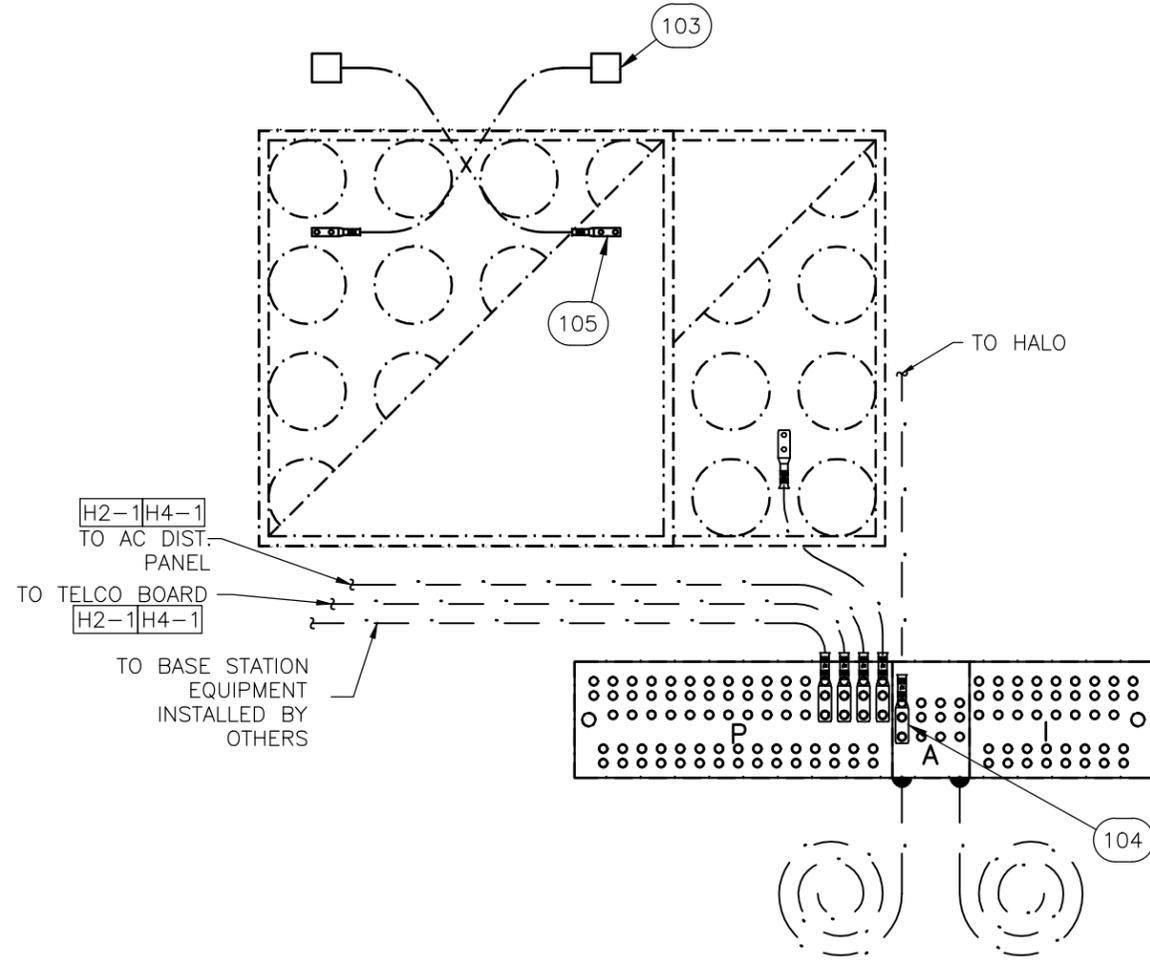
PROJECT:
**11'-5" X 20'-0"
CONCRETE SHELTER
INTERIOR ELEVATION
"D" MECHANICAL**

FILENAME: CGW/SCGW61	
SCALE: 3/8"=1'-0"	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 5-2	
DRAWING NO.: SCGW61	REV.: PP



CELL REFERENCE GROUND BAR
DETAIL
"B1" & "D2" LOCATION

NOTE:
INSTALL WG GB WHEN LOCATION IS
DETERMINED BY PROJECT MANAGER
OR TO FURTHER MOST WG LOCATION
PRIOR TO SHIPMENT. WIRE LENGTH
DETERMINED AT TIME OF GB
INSTALLATION.



CELL REFERENCE GROUND BAR
DETAIL
"C1" & "D1" LOCATION

**NOT FOR CONSTRUCTION
PROPRIETARY**

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	UPDATED GROUNDING PER AT&T	DB	12/7/12
NN	JAJ	5/5/12	ADD GROUNDING SHEET PER DSC	DB	5/5/12
MM	JJ	4/11/11	MADE GND TO PANEL & TELCO GB OPTIONAL	BDB	5/11/11

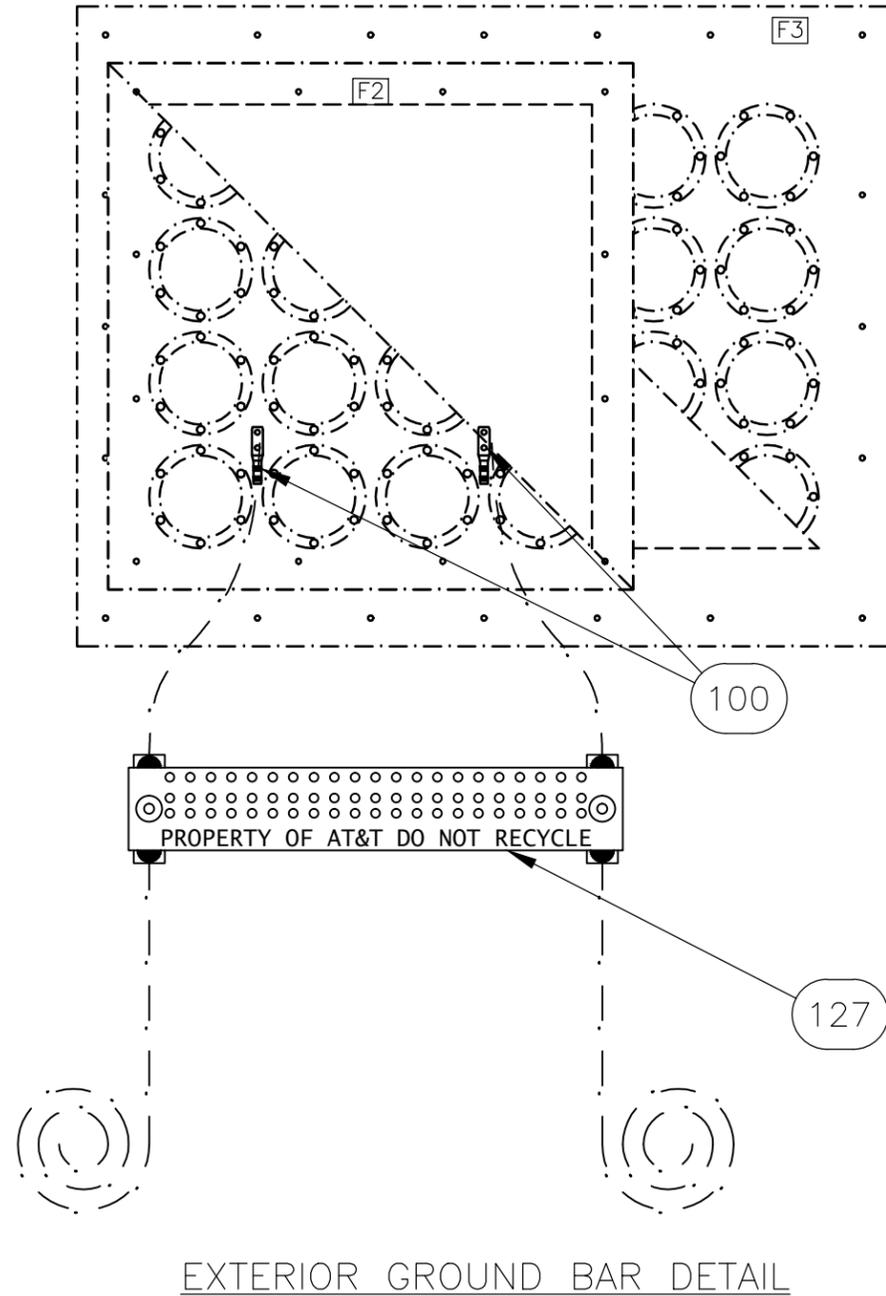
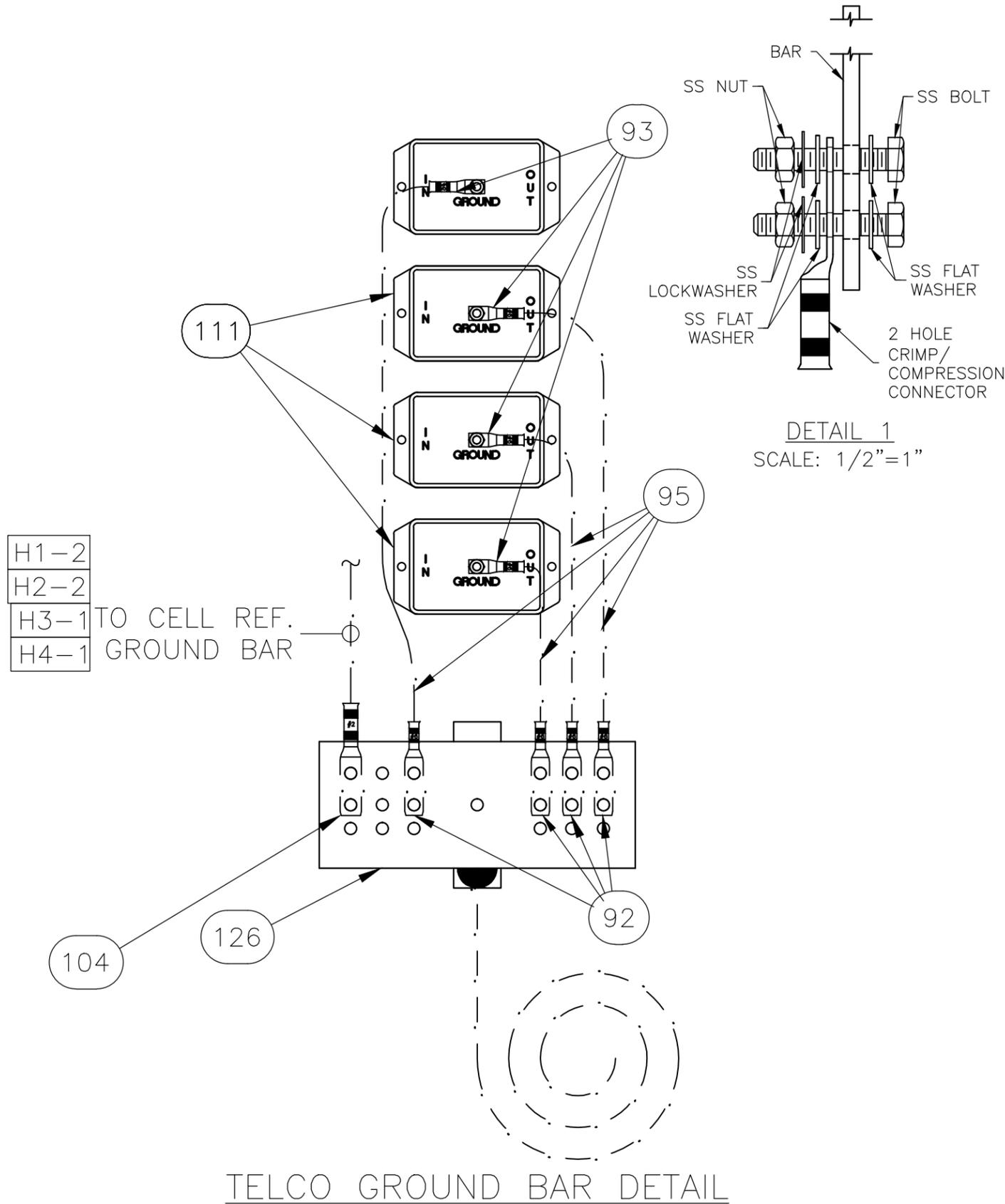
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CUSTOMER:
CINGULAR WIRELESS

PROJECT:
**11'-5" X 20'-0"
CONCRETE SHELTER
GROUND BAR DETAILS**

FILENAME: CGW/SCGW61	
SCALE: 1/8" = 1"	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 5-3	
DRAWING NO.:	REV.:
SCGW61	PP



NOT FOR CONSTRUCTION

PROPRIETARY

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	CHANGED EXTERIOR GROUND BAR	DB	12/7/12
NN	JAJ	5/5/12	ADD GROUNDING SHEET PER DSC	DB	5/5/12
MM	JJ	3/31/11	REMOVED TELCO DETAIL,	BDB	4/6/11
GG	MST	06/07/10	ADDED DETAIL		

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CUSTOMER:

CINGULAR WIRELESS

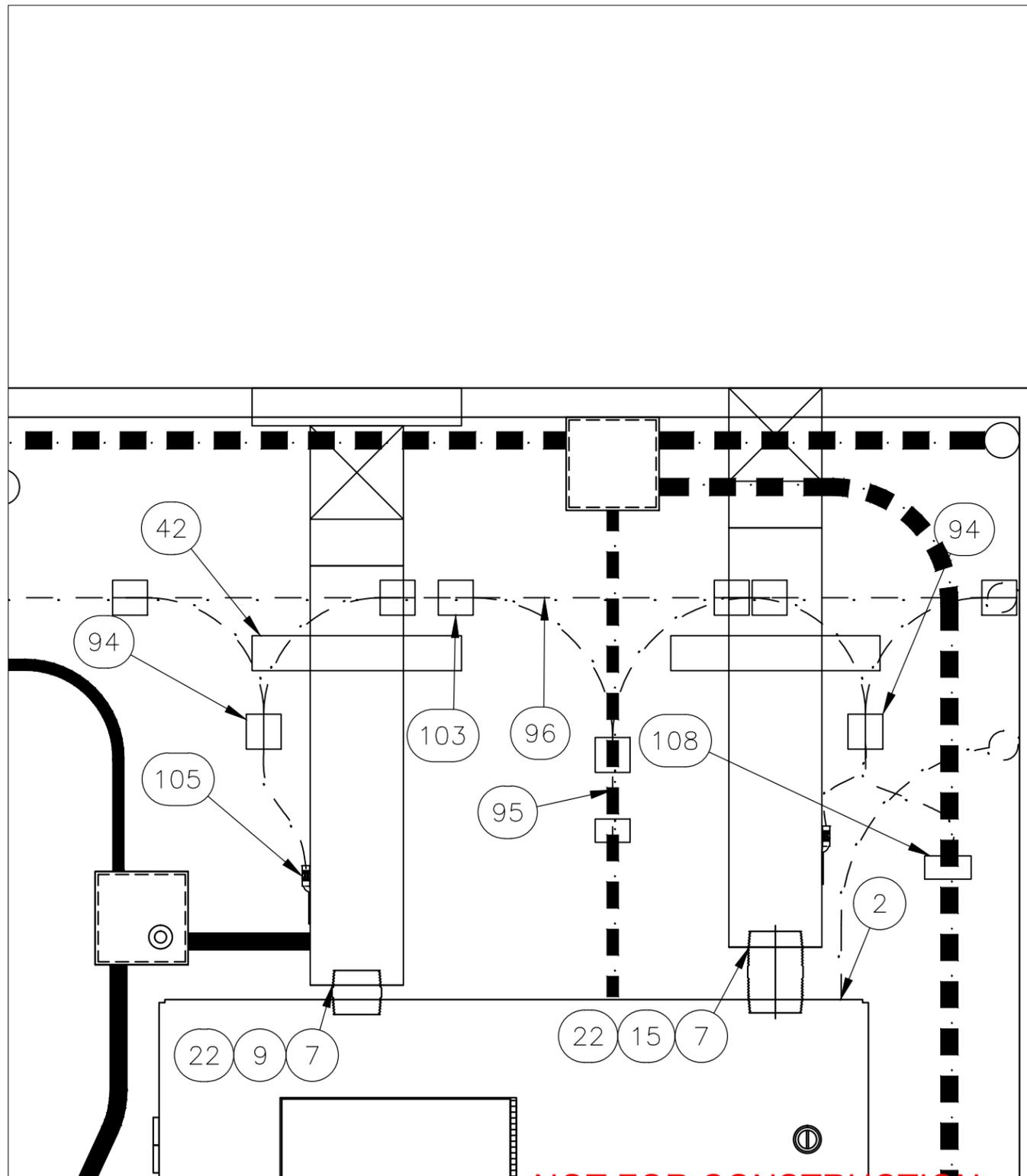
PROJECT:

11'-5" X 20'-0"
CONCRETE SHELTER
EXT. GROUND BAR/
TELCO GROUND BAR DETAIL

FILENAME: CGW/SCGW61	
SCALE: NOTED	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 5-4	
DRAWING NO.: SCGW61	REV.: PP

GROUNDING NOTES:

1. HALO GROUND TO BE #2 GREEN INSULATED STRANDED COPPER WIRE.
2. VERTICAL DROPS TO BE #2 SOLID TINNED COPPER WIRE. PULL TO FLOOR AND COIL ADDITIONAL 10'-0".
3. ALL BENDS MIN. 8" RADIUS.
4. APPLY ANTI-OXIDATION COMPOUND TO ALL CONNECTIONS.
5. GROUND CABLE TRAY AS SHOWN WITH #6 STRANDED GREEN COPPER CONDUCTOR AND 2-HOLE LUG.
6. GROUNDING OF CONDUIT TO HALO SHOULD NOT EXCEED 3 CONDUITS PER CONNECTION.
7. CONNECT CABLE RACK TO HALO GROUND WITH #2 AWG GREEN CONDUCTOR AND 2-HOLE LUG.
8. CONNECT #2 AWG GREEN TO GROUND BAR IN LOADCENTER AND CONNECT TO CELL REFERENCE GROUND BAR.
9. CONNECT TELCO GROUND BAR TO CELL REFERENCE GROUND BAR WITH #2 AWG GREEN.
10. USE COMPRESSION TAPS FOR ALL CONNECTIONS OF STRANDED WIRE TO HALO GROUND. USE H-TAP CONNECTORS P/N 400124 FOR ALL SOLID WIRE CONNECTIONS TO HALO GROUND.
11. TO GROUND EXTERIOR METAL OBJECTS, CONNECT 10'-0" OF #2 SOLID TINNED COPPER WIRE W/ 2 BOLT HOLE CADWELD LUG.
12. MOUNT T1 LINE PROTECTORS TO TELCO BOARD DIRECTLY ABOVE TELCO GROUND BAR. USE #6 STRANDED GREEN COPPER CONDUCTOR AND 2 HOLE LUG, STRAIGHT RUNS.
13. ALL GROUND DROPS FROM THE HALO TO BE BI-DIRECTIONAL.
14. EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.
15. EACH GROUND BAR TO BE LABELED AS SHOWN IN QUOTED TITLES ON 6-0 & 6-1.
16. INSTALL GROUND BAR IN LOCATIONS AS SPECIFIED BY PROJECT MANAGER.
17. BOND ALL BOXES LARGER THAN 4" X 4" TO THE HALO GROUND.
18. INSULATE #2 SOLID TINNED DROP AS IT PASSES WITHIN 6" OF ANY METALLIC ITEM.
19. USE STANDOFF BRACKETS PART # 410343 TO SUPPORT GROUNDING CONDUCTORS, SUPPORTS SHALL BE SPACED AT 24" C/C MAX.
20. SECURE EXTERIOR TOWER LIGHT PENETRATIONS WITH LOCKNUTS, REDUCING WASHER, AND CAP.
21. INSTALL TOWER LIGHT CONTROLLER BOXES AT INSTALLED WAVEGUIDE LOCATION.



NOT FOR CONSTRUCTION
CONDUIT DETAIL
PROPRIETARY

NN	JAJ	5/5/12	ADD GROUNDING SHEET PER DSC	DB	5/5/12
MM	JJ	3/31/11	MOVED WIREWAY, CHG'D TO SHEET 6-3 FROM 6-2.	BDB	4/6/11
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

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5031 Hazel Jones Road
Bossier City, LA 71111
Voice: (318) 213-2900
Fax: (318) 213-2919
www.sabreindustries.com

CUSTOMER:
CINGULAR WIRELESS

PROJECT:
**11'-5" X 20'-0"
CONCRETE SHELTER
GENERAL NOTES
& CONDUIT DETAIL**

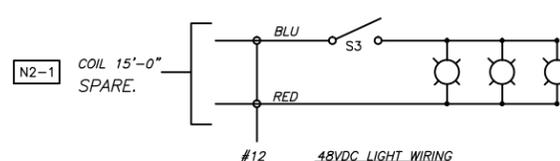
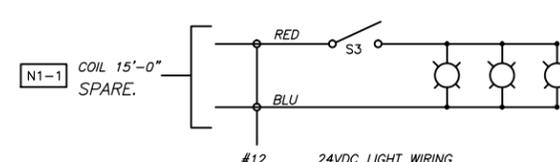
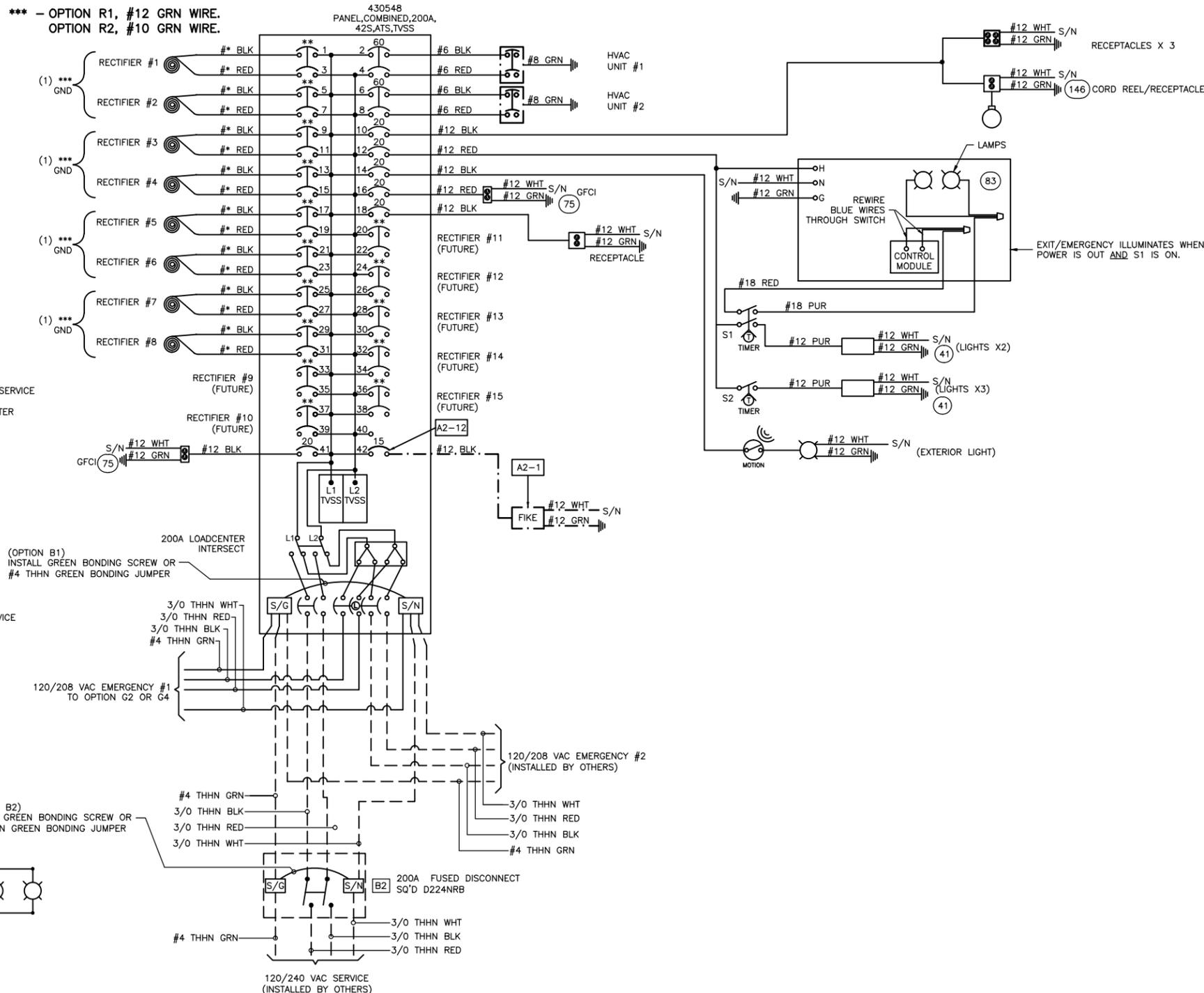
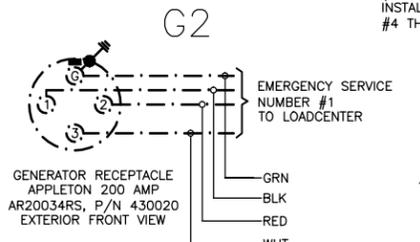
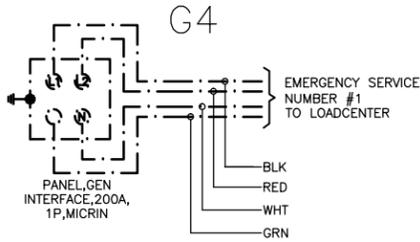
FILENAME: CGW/SCGW61	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 5-5	
DRAWING NO.: SCGW61	REV.: PP

NOTES:

- * - OPTION R1, #10 WIRE.
OPTION R2, #8 WIRE.
- ** - OPTION R1-1, 20AMP BREAKER.
OPTION R2-1, 40AMP BREAKER.
- *** - OPTION R1, #12 GRN WIRE.
OPTION R2, #10 GRN WIRE.

NOTES:

1. PULL CONDUCTORS TO END OF SEALTITE. COIL AND TAG 10'-0" EXTRA. GROUND WIRE SIZED PER CUSTOMER REQUEST
2. DO NOT SHARE NEUTRALS UNLESS OTHERWISE SPECIFIED.
3. WHEN AC & DC WIRING IS LOCATED IN THE SAME BOX, ENCLOSURE OR WIREWAY, WIRES MUST BE LABELED WITH VOLTAGE TYPE.
4. DC VOLTAGE IS NEGATIVE FEED, CHANGE CONNECTION POINTS AT DEVICES SO THAT BLACK WIRES ARE CONNECTED TO POSITIVE(+) TERMINALS AND RED WIRES ARE CONNECTED TO NEGATIVE(-) TERMINALS.



NOT FOR CONSTRUCTION

PROPRIETARY

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	ADDED OPTION "N"	BDB	12/7/12
NN	JAJ	5/5/12	SHEET ORDER CHANGED	BDB	4/6/11
MM	JJ	3/31/11	ADDED TIMERS TO LIGHTS	BDB	4/6/11
KK	MLZ	11/23/10	UPDATE SHEET PER MARK-UPS	LJL	11/23/10

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CUSTOMER:
 CINGULAR WIRELESS

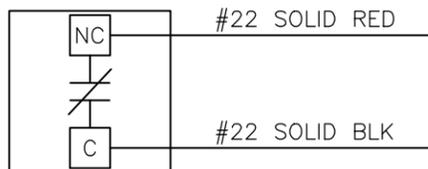
PROJECT:
 11'-5" X 20'-0"
 CONCRETE SHELTER
 ELECTRICAL SCHEMATIC

FILENAME: CGW/SCGW61	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 6-0	
DRAWING NO.: SCGW61	REV.: PP

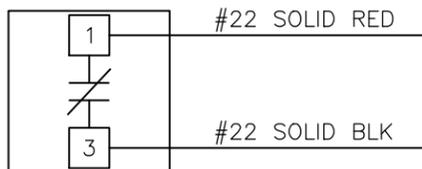
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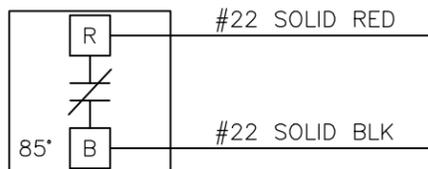
MAGNETIC DOOR ALARM
CONTACTS CLOSE UPON DOOR CLOSURE. WHEN DOOR IS OPENED. CONTACTS OPEN SENDING AN ALARM.



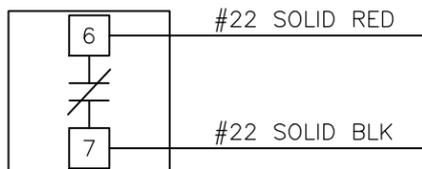
COMMERCIAL UTILITY POWER FAIL
CONTACTS CLOSE UPON POWER UP OF SHELTER. WHEN UTILITY POWER IS LOSS, CONTACTS OPEN SENDING AN ALARM LOCATED ON INSIDE OF DOOR BEHIND OPERTATOR INTERFACE ON "ENGINE EXERCISER" MODULE.



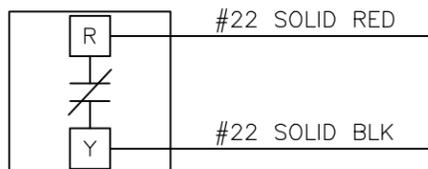
HIGH TEMPERATURE ALARM
THE HIGH TEMPERATURE ALARM IS SET TO OPEN ON TEMPERATURE INCREASE OR RISE. SET POINT IS 85°.



HVAC #1 FAIL
WHEN HIGH OR LOW PRESSURE SWITCHES ACTIVATE, THE ALARM CONTACTS OPEN SENDING AN ALARM.

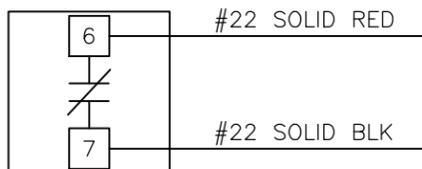


HIGH HUMIDITY ALARM
THE HIGH HUMIDITY ALARM IS SET TO OPEN ON HUMIDITY INCREASE (OR RISE) ABOVE 60%



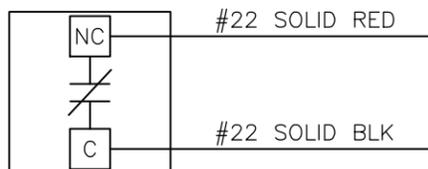
SEE REFERENCE DRAWING 108-127 FOR ALARM TERMINATION

HVAC #2 FAIL
WHEN HIGH OR LOW PRESSURE SWITCHES ACTIVATE, THE ALARM CONTACTS OPEN SENDING AN ALARM.

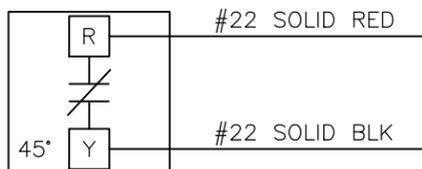


SEE REFERENCE DRAWING 108-127 FOR ALARM TERMINATION

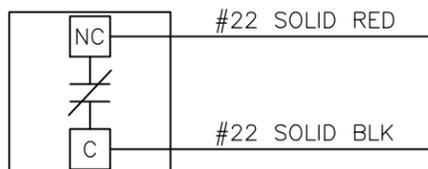
AC SURGE ARRESTOR ALARM
CONTACTS WILL BE CLOSED IN NORMAL POWER CONDITIONS. SHOULD THE ELEMENTS FAIL, THE CONTACTS WILL OPEN SENDING AN ALARM



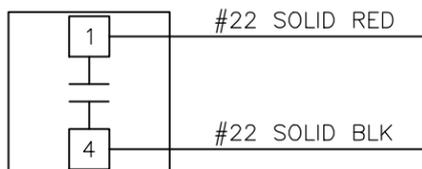
LOW TEMP. ALARM
THE LOW TEMP. ALARM IS SET TO OPEN ON TEMP. DECREASE. (OR FALL). SET POINT IS 45°.



SMOKE ALARM
CONTACTS ARE CLOSED UNDER A "NO SMOKE" CONDITION. WHEN SMOKE IS DETECTED, THESE CONTACTS OPEN SENDING AN ALARM.



GENERATOR POWER FAIL
CONTACTS OPEN UPON POWER UP OF THE GENERATOR. WHEN GENERATOR POWER IS LOST, CONTACTS CLOSE SENDING AN ALARM LOCATED ON INSIDE OF DOOR BEHIND OPERATOR INTERFACE ON "ENGINE EXERCISER" MODULE.



NOT FOR CONSTRUCTION
PROPRIETARY

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
NN	JAJ	5/5/12	SHEET ORDER CHANGED	DB	5/5/12
KK	MLZ	11/23/10	UPDATE SHEET PER MARK-UPS	LJL	11/23/10
JJ	AHS	08/11/10	UPDATED GENERATOR POWER FAIL SCHEMATIC	LJL	08/11/10
CC	DJC	08/27/09	ADDED POWER FAIL, REVISED HVAC 1 & 2 FAIL ALARMS	GAB	08/27/09

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Bossier City, LA 71111
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Fax: (318) 213-2919
www.sabreindustries.com

CUSTOMER:
CINGULAR WIRELESS

PROJECT:
11'-5" X 20'-0" CONCRETE SHELTER LOW VOLTAGE WIRING SCHEMATIC

FILENAME: CGW/SCGW61	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11

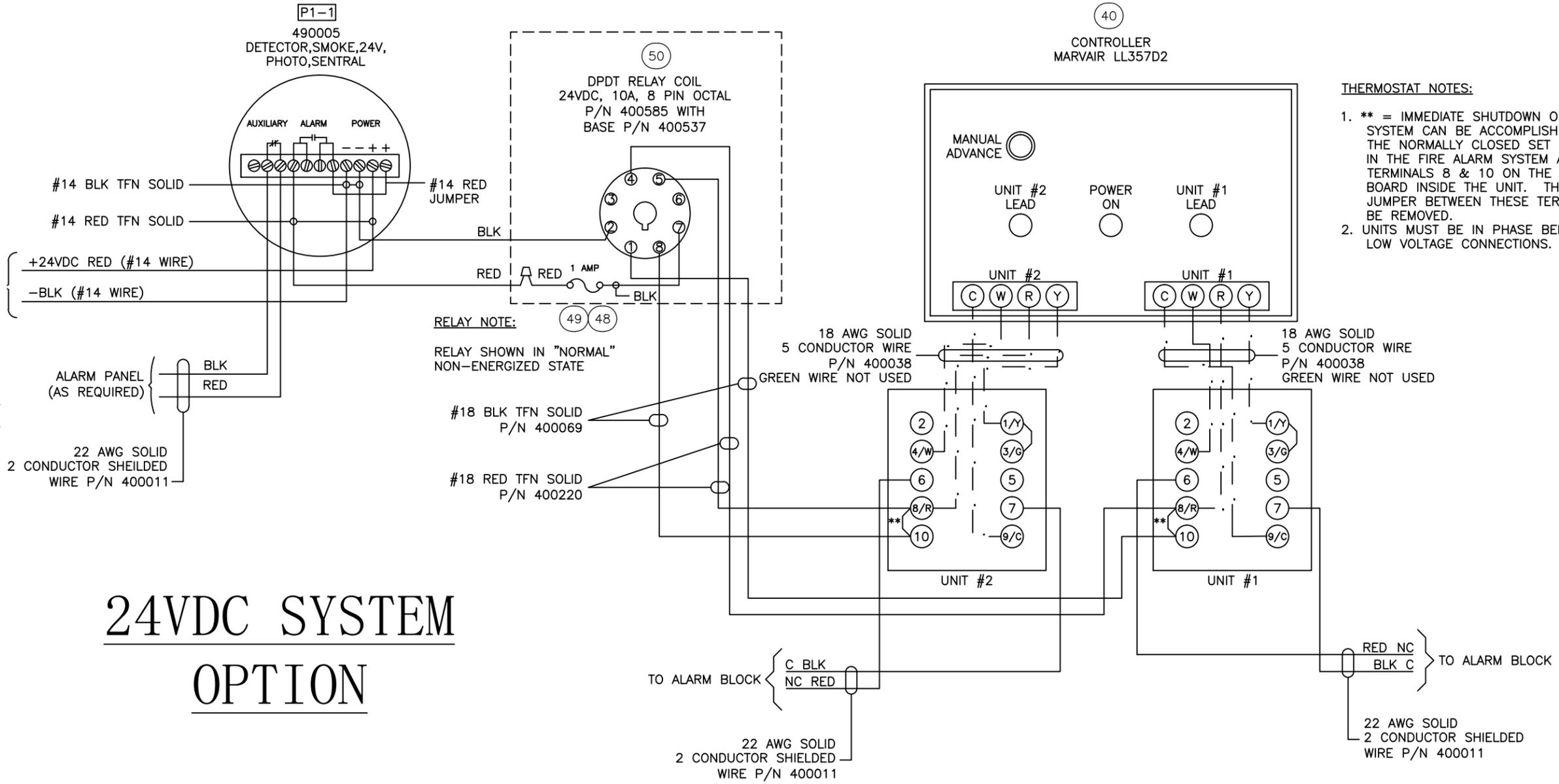
SHEET NO.
6-1

DRAWING NO.:
SCGW61

REV.:
PP

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THERMOSTAT NOTES:

1. ** = IMMEDIATE SHUTDOWN OF THE HVAC SYSTEM CAN BE ACCOMPLISHED BY WIRING THE NORMALLY CLOSED SET OF CONTACTS IN THE FIRE ALARM SYSTEM ACROSS TERMINALS 8 & 10 ON THE LOW VOLTAGE BOARD INSIDE THE UNIT. THE FACTORY JUMPER BETWEEN THESE TERMINALS MUST BE REMOVED.
2. UNITS MUST BE IN PHASE BEFORE MAKING LOW VOLTAGE CONNECTIONS.

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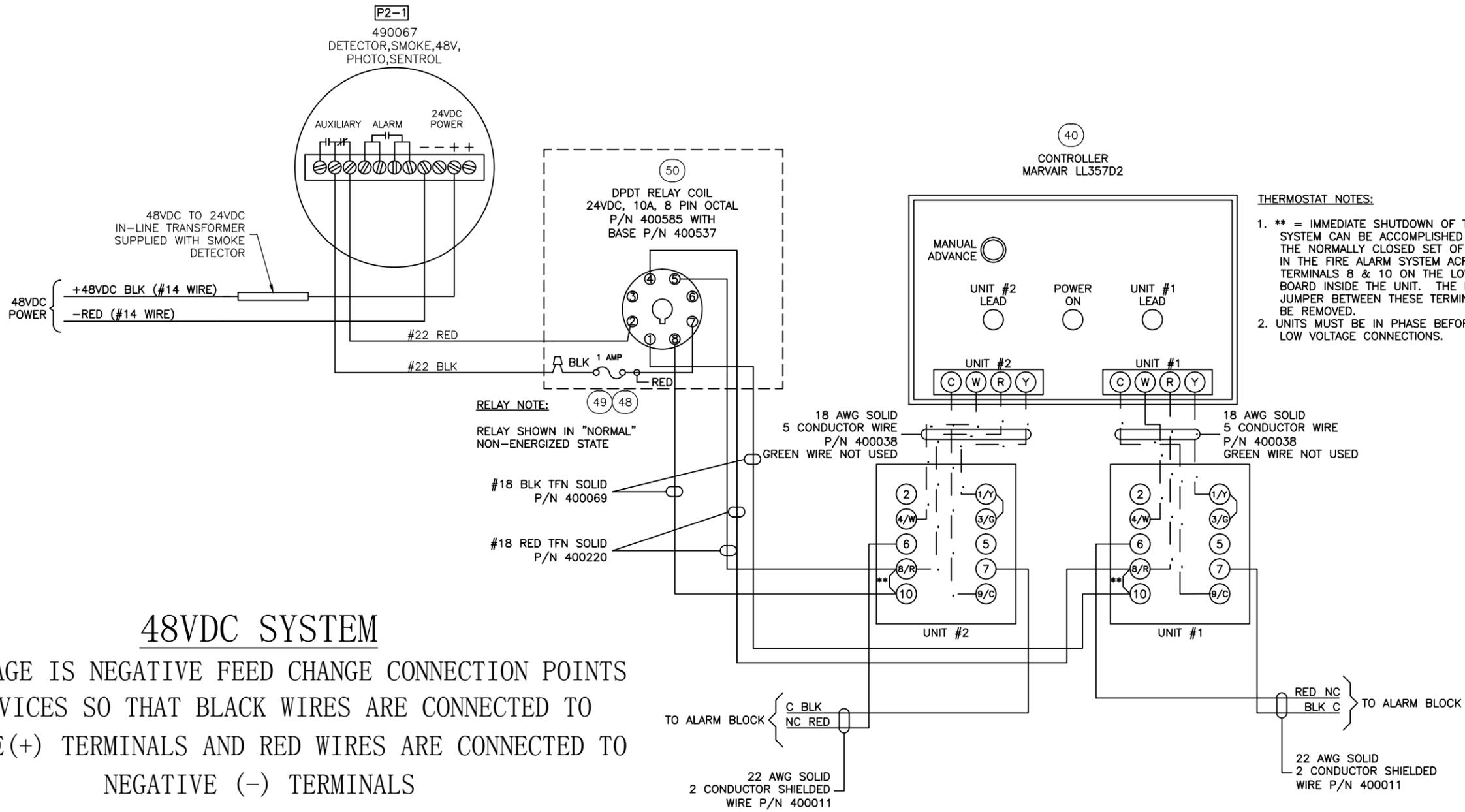
CUSTOMER:
CINGULAR WIRELESS

PROJECT:
11'-5" X 20'-0" CONCRETE SHELTER HVAC WIRING SCHEMATIC OPT. P1

FILENAME: CGW/SCGW61	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 6-2	
DRAWING NO.:	REV.:
SCGW61	PP

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REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	ADDED OPTION P1	DB	12/7/12
NN	JAJ	5/5/12	SHEET ORDER CHANGED	DB	5/5/12
AA	JSH	5/13/08	UPDATED SCHEMATIC	GB	5/13/08
Y	JFA	11/12/07	UPDATED OCTAL RELAY BLOCK	LD	11/12/07



THERMOSTAT NOTES:

- ** = IMMEDIATE SHUTDOWN OF THE HVAC SYSTEM CAN BE ACCOMPLISHED BY WIRING THE NORMALLY CLOSED SET OF CONTACTS IN THE FIRE ALARM SYSTEM ACROSS TERMINALS 8 & 10 ON THE LOW VOLTAGE BOARD INSIDE THE UNIT. THE FACTORY JUMPER BETWEEN THESE TERMINALS MUST BE REMOVED.
- UNITS MUST BE IN PHASE BEFORE MAKING LOW VOLTAGE CONNECTIONS.

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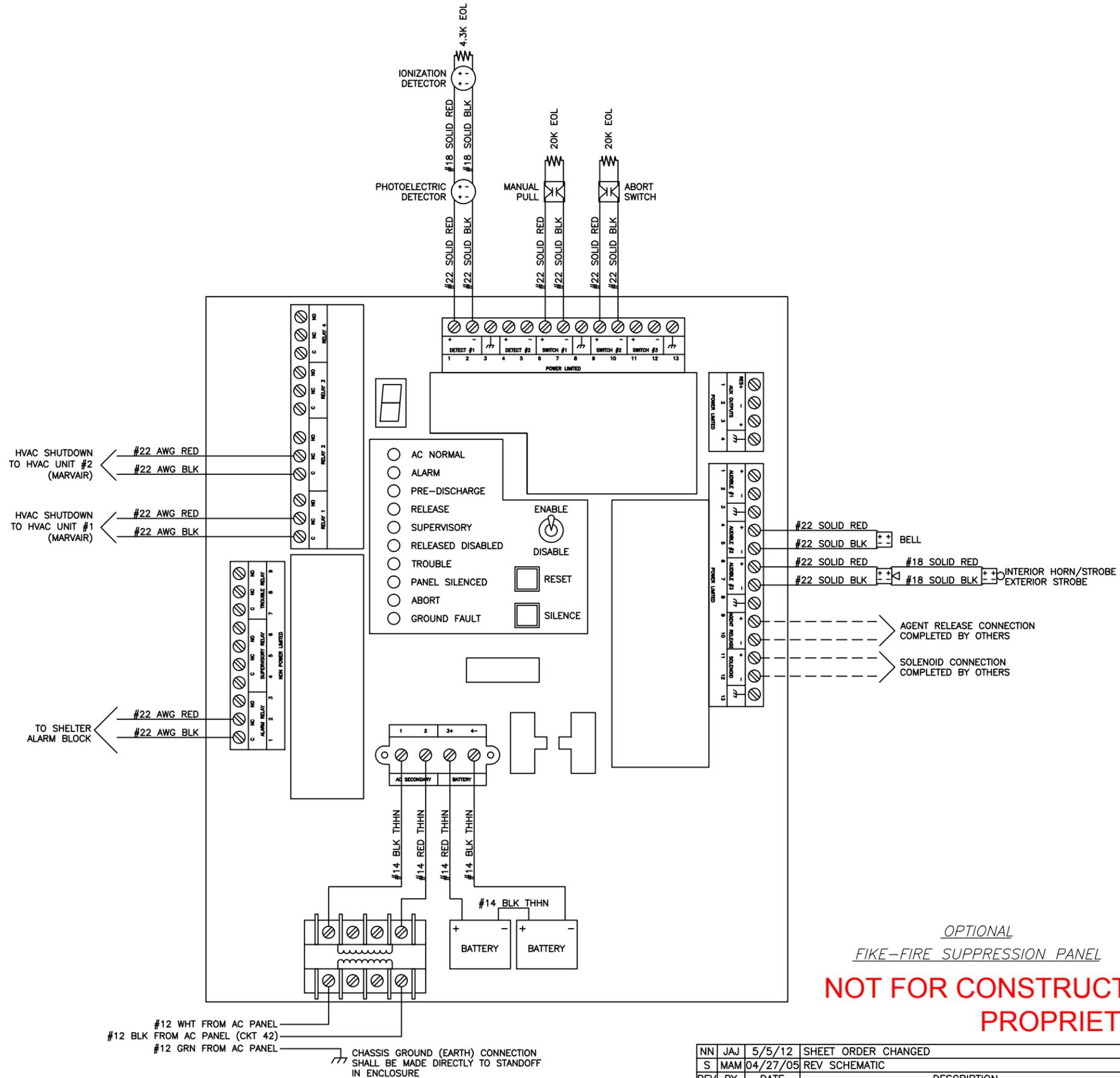
CUSTOMER:
CINGULAR WIRELESS

PROJECT:
11'-5" X 20'-0" CONCRETE SHELTER HVAC WIRING SCHEMATIC OPT. P2

FILENAME: CGW/SCGW61	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 6-3	
DRAWING NO.: SCGW61	REV.: PP

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REV	BY	DATE	DESCRIPTION	APP. BY	DATE
PP	SLM	11/27/12	ADDED OPTION "P2"	DB	12/7/12
NN	JAJ	5/5/12	SHEET ORDER CHANGED	DB	5/5/12
AA	JSH	5/13/08	UPDATED SCHEMATIC	GB	5/13/08
Y	JFA	11/12/07	UPDATED OCTAL RELAY BLOCK	LD	11/12/07



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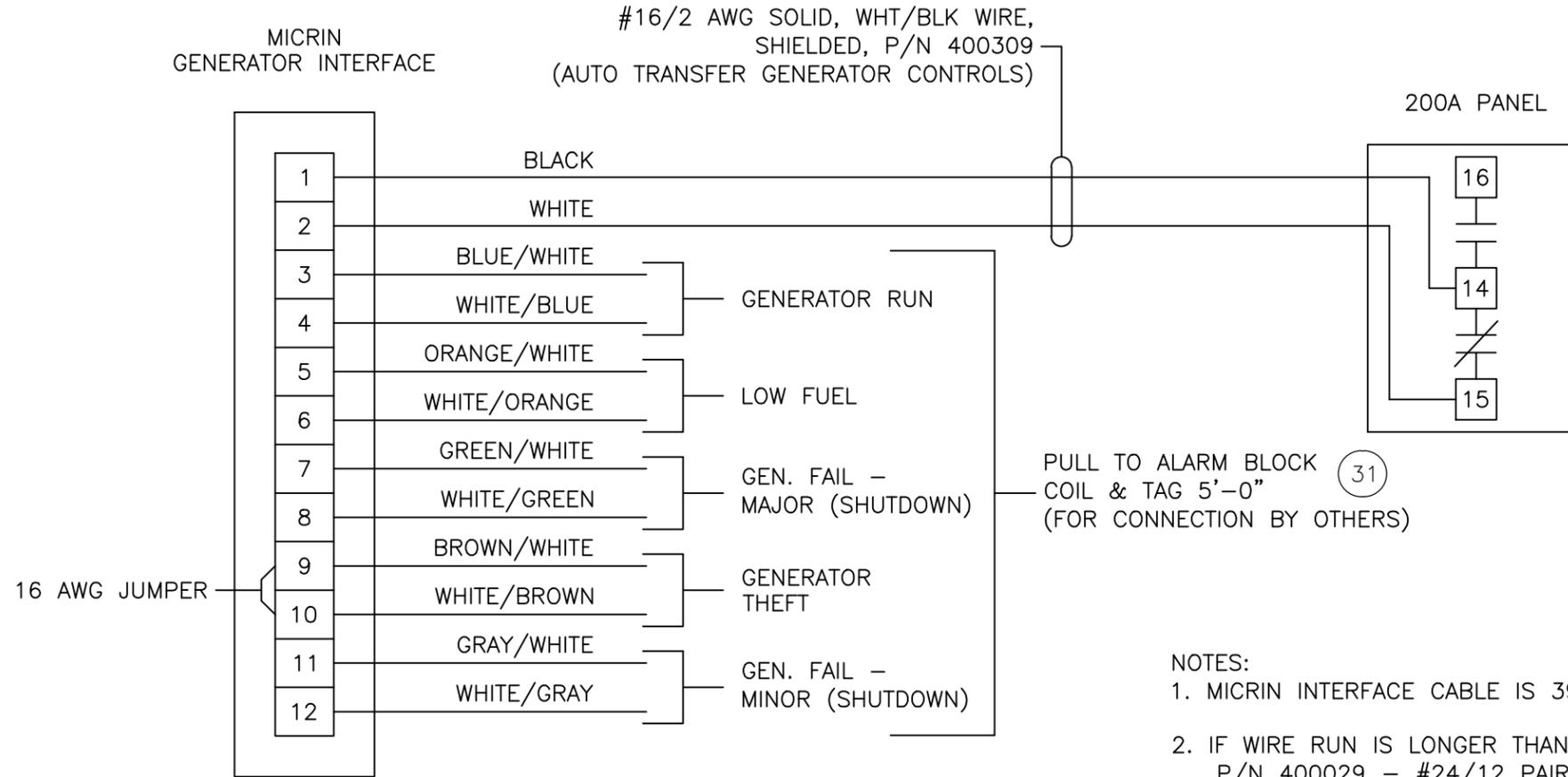
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Bossier City, LA 71111
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www.sabreindustries.com

CUSTOMER:
CINGULAR WIRELESS

PROJECT:
**11'-5" X 20'-0"
CONCRETE SHELTER
SMOKE SUPPRESSION
SCHEMATIC**

FILENAME: CGW/SCGW61	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 6-4	
DRAWING NO.: SCGW61	REV.: PP

NN	JAJ	5/5/12	SHEET ORDER CHANGED	DB	5/5/12
S	MAM	04/27/05	REV SCHEMATIC	VGH	04/27/05
REV	BY	DATE	DESCRIPTION	APP. BY	DATE



- NOTES:
1. MICRIN INTERFACE CABLE IS 39'-0" LONG.
 2. IF WIRE RUN IS LONGER THAN 39'-0" USE P/N 400029 - #24/12 PAIR, CAT3, SOLID WIRE.

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PROPRIETARY**

NN	JAJ	5/5/12	SHEET ORDER CHANGED	DB	5/5/12
MM	BDB	4/14/11	UPDATE WIRING;	LJL	5/11/11
KK	MLZ	11/23/10	SHEET ADDED PER MARK-UPS	LJL	11/23/10
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

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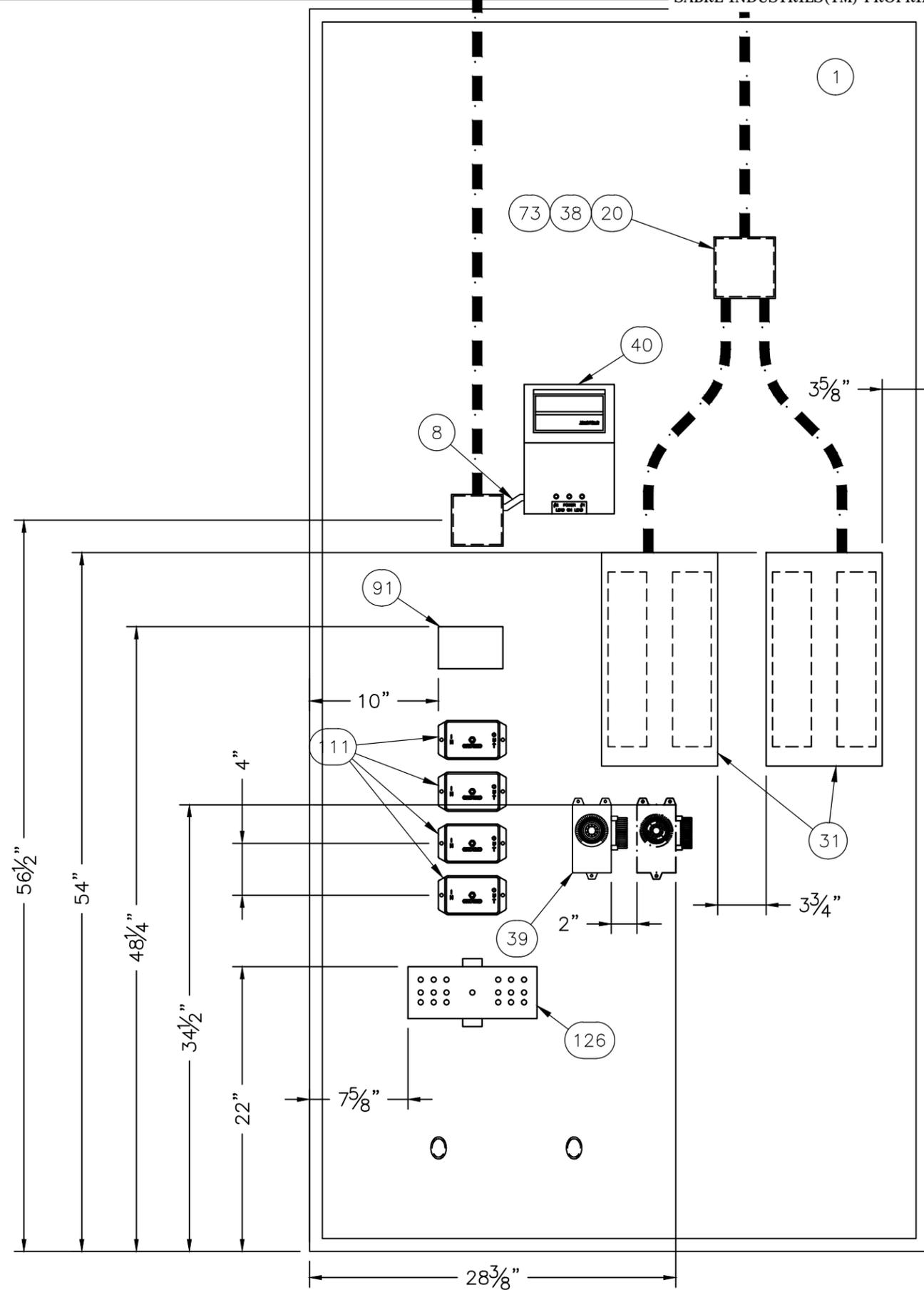
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 www.sabreindustries.com

CUSTOMER:

CINGULAR WIRELESS

PROJECT:
 11'-5" X 20'-0"
 CONCRETE SHELTER
 LOW VOLTAGE WIRING
 GEN. INTERFACE

FILENAME: CGW/SCGW61	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 6-5	
DRAWING NO.: SCGW61	REV.: PP



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CUSTOMER:
 CINGULAR WIRELESS

PROJECT:
 11'-5" X 20'-0"
 CONCRETE SHELTER
 TELCO BOARD
 DETAILS

FILENAME: CGW/SCGW61	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: K. MATHENY	DATE: 12/29/10
CHK. BY: W. RODRIGUEZ	DATE: 1/5/11
APP. BY: D. BRANNEN	DATE: 1/5/11
SHEET NO. 7-0	
DRAWING NO.: SCGW61	REV.: PP

**NOT FOR CONSTRUCTION
 PROPRIETARY**

NN	JAJ	5/5/12	SHEET ORDER CHANGED	DB	5/5/12
MM	BDB	4/14/11	UPDATE WIRING;	LJL	5/11/11
KK	MLZ	11/23/10	SHEET ADDED PER MARK-UPS	LJL	11/23/10
REV	BY	DATE	DESCRIPTION	APP. BY	DATE