DESIGN CRITERIA:

☐ Non Fire-rated ☒ 1 Hour Fire-rated ☐ 2 Hour Fire-rated

2003 IBC

Roof Live Load (RLL) =	105 psf
Floor Live Load (FLL) =	150 psf
Basic Wind Speed (3-second Gust) (V) =	150 mph Wind Exposure = (D)
Wind Importance Factor (Iw) =	1.15
Building Category =	III
Seismic Use Group/Seismic Design Category =	III / F3
Seismic Importance Factor (Ie) =	1.5
Spectral Response Coefficients (Sds)/(Sd1) =	2 / 1
Site Class =	D
Basic Seismic-Force-Resisting System →	Bearing wall system w/ordinary reinforced concrete shearwalls.
Analysis Procedure →	Equivalent Lateral-Force Procedure
Ground Snow Load (Pg) =	80 psf
Snow Importance Factor (Is) =	1.2
Snow Exposure Factor (Ce) =	1.3
Thermal Factor (Ct) =	1.0
Flat Roof Snow Load (Pf) =	87.4 psf

1999 BOCA

Roof Live Load (RLL) =	105 psf
Floor Live Load (FLL) =	150 psf
Basic Wind Speed (Fastest Mile) (V) =	135 mph Wind Exposure = (D)
Wind Importance Factor (Iw) =	1.23
Seismic Hazard Exposure Group =	III
Seismic Performance Category =	E
Peak Velocity Acceleration (Av) =	0.4
Peak Acceleration (Aa) =	0.4
Soil Profile Type =	S4 → S = 2.0
Basic Seismic-Force-Resisting System →	Bearing wall system w/ordinary reinforced concrete shearwalls.
Analysis Procedure →	Equivalent Lateral-Force Procedure
Response Modification Factor (R) =	4.5
Deflection Amplification Factor (Cd) =	4
Ground Snow Load (Pg) =	80 psf
Snow Importance Factor (Is) =	1.2
Snow Exposure Factor (Ce) =	1.3
Thermal Factor (Ct) =	1.0
Flat Roof Snow Load (Pf) =	87.4 psf

2000 SBC

Roof Live Load (RLL) =	105 psf
Floor Live Load (FLL) =	150 psf
Basic Wind Speed (Fastest Mile) (V) =	135 mph
Use/Importance Factor (Iw) =	1.15
Seismic Hazard Exposure Group =	III
Seismic Performance Category =	E
Peak Velocity Acceleration (Av) =	0.4
Peak Acceleration (Aa) =	0.4
Soil Profile Type =	S4 → S = 2.0
Basic Seismic-Force-Resisting System →	Bearing wall system w/ordinary reinforced concrete shearwalls.
Analysis Procedure →	Equivalent Lateral-Force Procedure
Response Modification Factor (R) =	4.5
Deflection Amplification Factor (Cd) =	4
Ground Snow Load (Pg) =	80 psf
Snow Importance Factor (Is) =	1.2
Snow Exposure Factor (Ce) =	1.3
Thermal Factor (Ct) =	1.0
Flat Roof Snow Load (Pf) =	87.4 psf

1997 UBC

Roof Live Load (RLL) =	105 psf
Floor Live Load (FLL) =	150 psf
Basic Wind Speed (Fastest Mile) (V) =	135 mph Wind Exposure = (D)
Wind Importance Factor (Iw) =	1.15
Seismic Zone =	4
Seismic Importance Factor (Ie) =	1.25
Soil Profile Type =	SD
Near Source Factor (Na) =	1.3
Seismic Coefficient (Ca) =	0.44 Na = 0.572
Basic Structural System →	Bearing wall system w/ordinary reinforced concrete shearwalls.
Analysis Procedure →	Simplified Base Shear Procedure
Response Modification Factor (R) =	4.5
Ground Snow Load (Pg) =	80 psf
Snow Importance Factor (Is) =	1.2
Snow Exposure Factor (Ce) =	1.3
Thermal Factor (Ct) =	1.0
Flat Roof Snow Load (Pf) =	87.4 psf

Rev. 06-14-06

BUILDING CODE SCHEDULE

MODEL CODE	EDITION	CONST. TYPE	OCCUPANCY/ USE GROUP
UBC	1997	V	S-2
	1994	V	S-2
	1991	V	B-4
	1988	V	S-2
BOCA	1999	2C	B
	1996	2C	B
	1993	2C	B
BOCA National Mech. Code	1996	–	–
	1995		
CABO Model Energy Code	1993	–	–
SBCCI	2000	IV	S-2
	1999	IV	S-2
	1997	IV	S-2
	1994	IV	S-2
IPC	2006/2003	–	–
NEC	2005	–	–
	2002	–	–
	1999	–	–
	1996	–	–
	1987	–	–
IMC	2006/2003	–	–
	2000	–	–
	1998	–	–
	1996	–	–
IBC	2006/2003	VB	S-2
	2000	VB	S-2
UMC	1999	V	–
	1998	V	–
	1997	V	–
	1994	V	–
	1991	V	–
IECC	2006/2003	–	–
	2000	–	–
NFPA	2003	–	–
	1997	–	–
IFC	2006/2003	–	–
SMC	2000	–	–
	1999	–	–
	1997	–	–
	1994	–	–
Georgia–			
IBC w/'02-'05 Amend's	2000	VB	S-2
IMC w/'01,'04,'05 Amend's	2000	–	–
NEC w/'03 Amend's	2005	–	–
IFC w/'05 Amend's	2003	–	–
IECC	2000	–	–
Virginia–			
USBC	2003	VB	S-2
IBC	2003	VB	S-2
IMC	2003	–	–
IECC	2003	–	–
IFC	2003	–	–
NEC	2002	–	–
Ohio–			
OBC	2005	U	S-2
OMC	2005	–	–
OPC	2005	–	–
NEC	2005	–	–
Washington D.C.– Accessibility Code	1995	–	–
Kentucky Building Code– w/stairs built to '92 CABO	2002	5B	B

MODEL CODE	EDITION	CONST. TYPE	OCCUPANCY/ USE GROUP
Massachusetts– State Building Code	6th	5B	B
State Electrical Code	2005	–	–
New York State–			
Building Code	2002	5B	C4
Mechanical Code	2002	–	–
Fire Code	2002	–	–
NEC	1999	–	–
North Carolina–			
State Building Code	2002	II	S-2
State Mechanical Code	2002	–	–
State Energy Code	2002	–	–
State Electrical Code w/2005 Amend's	2005	–	–
Maryland–			
Accessibility Code	3/18/2002		
IBC w/Amend's	2003	VB	S-2
IMC w/Amend's	2003	–	–
NFPA 70 NEC	2002	–	–
NFPA 101 Life Safety Code w/Amend's	2003	–	–
Michigan–			
State Building Code	2003	VB	S-2
State Mech. Code	2003	–	–
NEC w/MI Amend's	2002	–	–
Uniform Electrical Code	2003	–	–
Florida–			
Building Code w/'05 Supp.	2004	VB	S-2
Fire Prevention Code	2004	VB	S-2
NEC	2002	–	–
NOT SUBJECT TO FLORIDA FIRE SAFETY CODE.			
Indiana–			
State Building Code	2003	–	–
Mechanical Code	2003	–	–
Fire Code	2003	–	–
Electrical Code	2005	–	–
Tennessee–			
IBC	2003	VB	S-2
IMC	2003	–	–
IFC	2003	–	–
NEC	2002	–	–
IECC	2003	–	–
TPBAA Title 68, Ch.120, Part 2			
Minesota–			
State Building Code '00 IBC w/Amend's	2003	VB	S-2
State Energy Code	1999	–	–
NEC	2005	–	–
City of Chicago–			
Building Code	2002	–	–
Texas–			
IBC	2003	VB	S-2
IMC	2003	–	–
NEC	2002	–	–
IECC	2003	–	–
Accessibility Standards	4/1/94	–	–
New Mexico–			
Commercial Bldg. Code Which adopts & Amend's the 2003 IBC	2003	VB	S-2
Mechanical Code Which adopts & Amend's the 2003 UMC	2003	–	–
Electrical Code Which adopts & Amend's the 2003 NEC	2003	–	–
Oregon–			
IBC	2003	VB	U-2
OSSC	2004	–	–
OMSC	2004	–	–
NEC	2002	–	–

GENERAL DESIGN NOTES

1. This is an unmanned storage and equipment shelter only.
2. Shelter f'c = 5000psi @ 28 days.
3. Building shall be placed according to state and local code from any property line, interior lot line or any other building.
4. All items noted as "FIELDWORK" shall be installed and tested at the factory then removed for transport and reinstalled at the final site.
5. Model may be built as "mirror image".
6. Door swing and waveguide location may change due to site requirements.
7. Building shall be placed on a foundation supplied by others.

1hr. and 2hr. Construction built in compliance with:

1997 UBC	Table 7-B, item 7-1.1 and section 1914.3.2 and 1914.3.3, table 7-C, item 4-1.1. Type 5 2hr. construction with 2 hr. fire-rated Roof and Walls.
1997 SBC	Section 709, table 709.2.1.1
1996 BOCA	ASTM E119
2000 IBC	Section 719, table 719.1(2), ITEM 4-1.1
2003 IBC	Section 720, table 720.1(2), ITEM 4-1.1

8. Building not designed for installation in a flood prone area.
9. This unit is approved for placement in Ohio only when: (1) the building official has determined that plumbing fixtures are to be installed at the site, or (2) the provisions of OBC are otherwise met, or (3) a variance from the provisions of OBC has been granted by the appropriate agency.
10. Fire extinguisher installed by others when not supplied by Fibrebond.
11. Per OBC 117: If the unit is constructed after the local building official has issued plan approval for the setting and site work documents, evidence of the use of an Ohio licensed fire alarm contractor for the installation of the specified systems must be provided to the local building official upon delivery to the site. This evidence must be provided via a signed and notarized affidavit, which also must contain the contractor's certification number. If the unit is constructed before application for the local plan approval for setting the unit, the contractor's name and certification number must be stated on the local building official's copy of these drawings.

FOR THIRD PARTY USE ONLY

PSI, Inc.
1748 33rd Street
Orlando, Florida 32839
407-304-5560

PFS (MINNESOTA)
2402 Daniels Street
Madison, WI 53718
608-221-3361

PFS
9550 Skillman Street, Suite 515
Dallas, TX 75243
214-221-5585

THIRD PARTY AGENCIES

FOR STATE USE ONLY

FOR ARCHITECT USE ONLY

FOR ENGINEER USE ONLY

INDEX OF SHEETS

* = DENOTES DRAWINGS WHICH HAVE WORK TO BE COMPLETED IN THE FIELD.

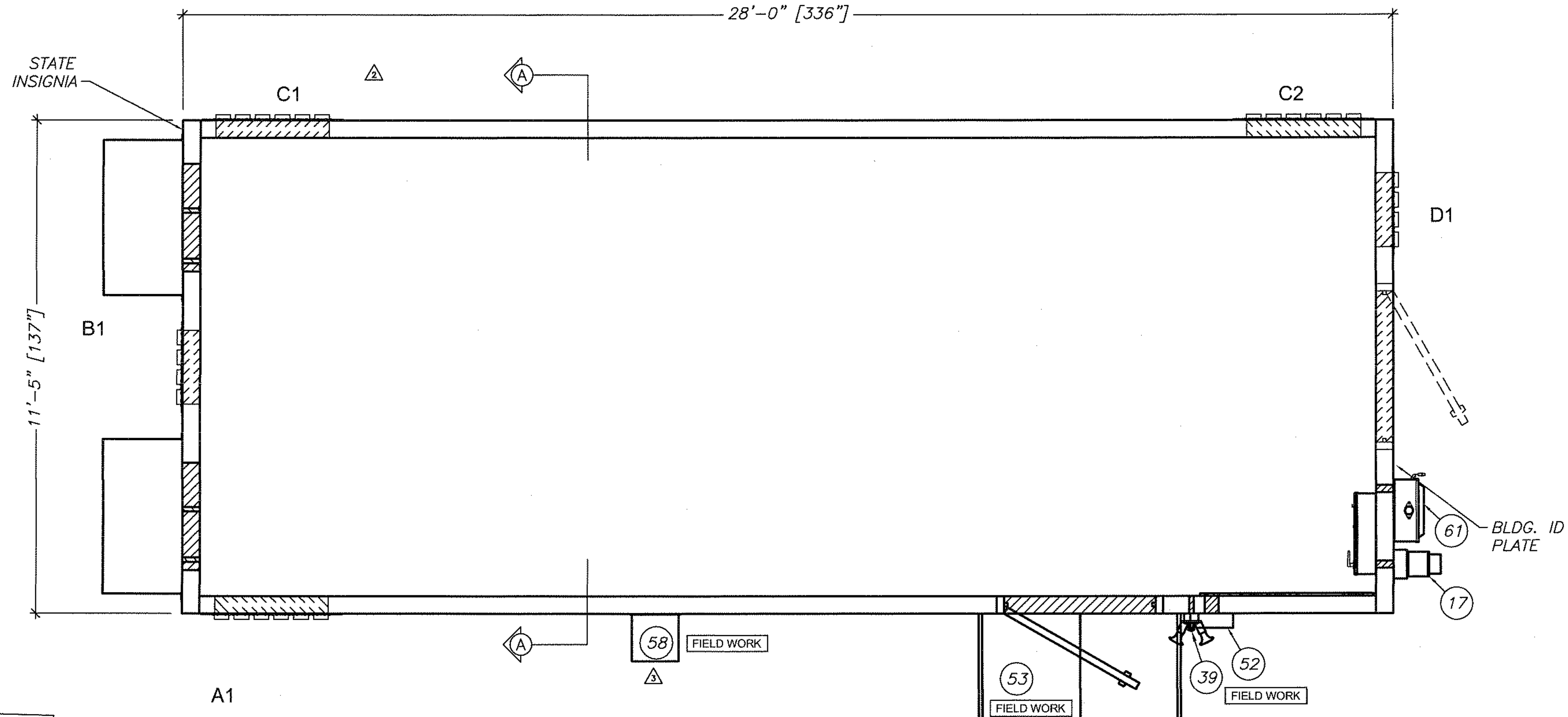
REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3							
2	CH	12/15/05	REV. SHEETS 1-0, 2-2, 3-2 & 8-2	DD	12/16/05	GS	12/20/05
1	CH	12/09/05	ADDED REVISION LEVELS TO INDEX OF SHEETS	JS	12/09/05	GS	12/14/05

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

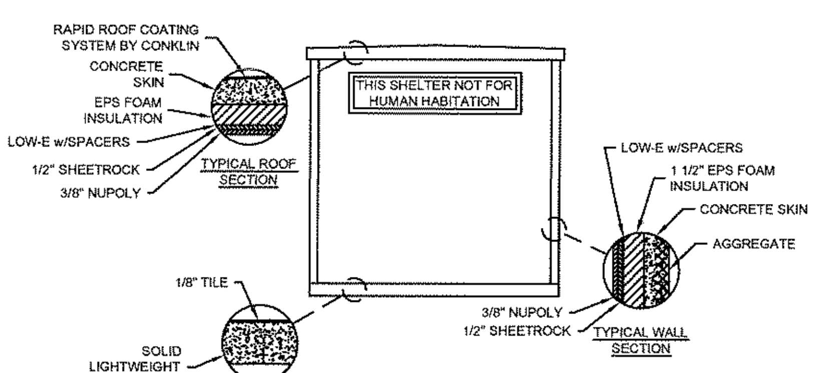
DRN. BY: SC	DATE: 06/14/05
CHK. BY:	DATE:
APP. BY: MT	DATE: 06/30/05
APP. BY: MG	DATE: 06/30/05
ENG. BY:	DATE:

CINGULAR
11'-5" X 28'-0" EQUIPMENT SHELTER
MANUFACTURED BUILDING DATA SHEET

SCALE: NONE | SHEET NO.: 1-0 | B | DWG NO.: D-7668



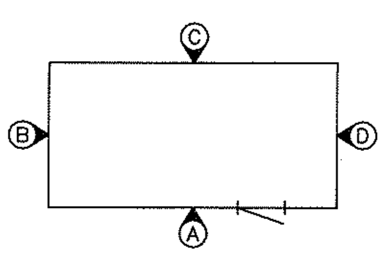
FLOOR PLAN
320.0 sq. ft.



SECTION "A-A"
SCALE: N.T.S.

NOTE:

1. DOOR TO HAVE LEVER HANDLE TYPE DOOR HANDLE (SOUTH CAROLINA BUILDINGS ONLY).
2. ALL ITEMS MARKED FIELDWORK SHALL BE INSTALLED, TESTED, REMOVED & PACKED IN BUILDING PRIOR TO SHIPMENT
3. SEE BUILDING COVERSHEET FOR INSTALLED WAVEGUIDE LOCATION.

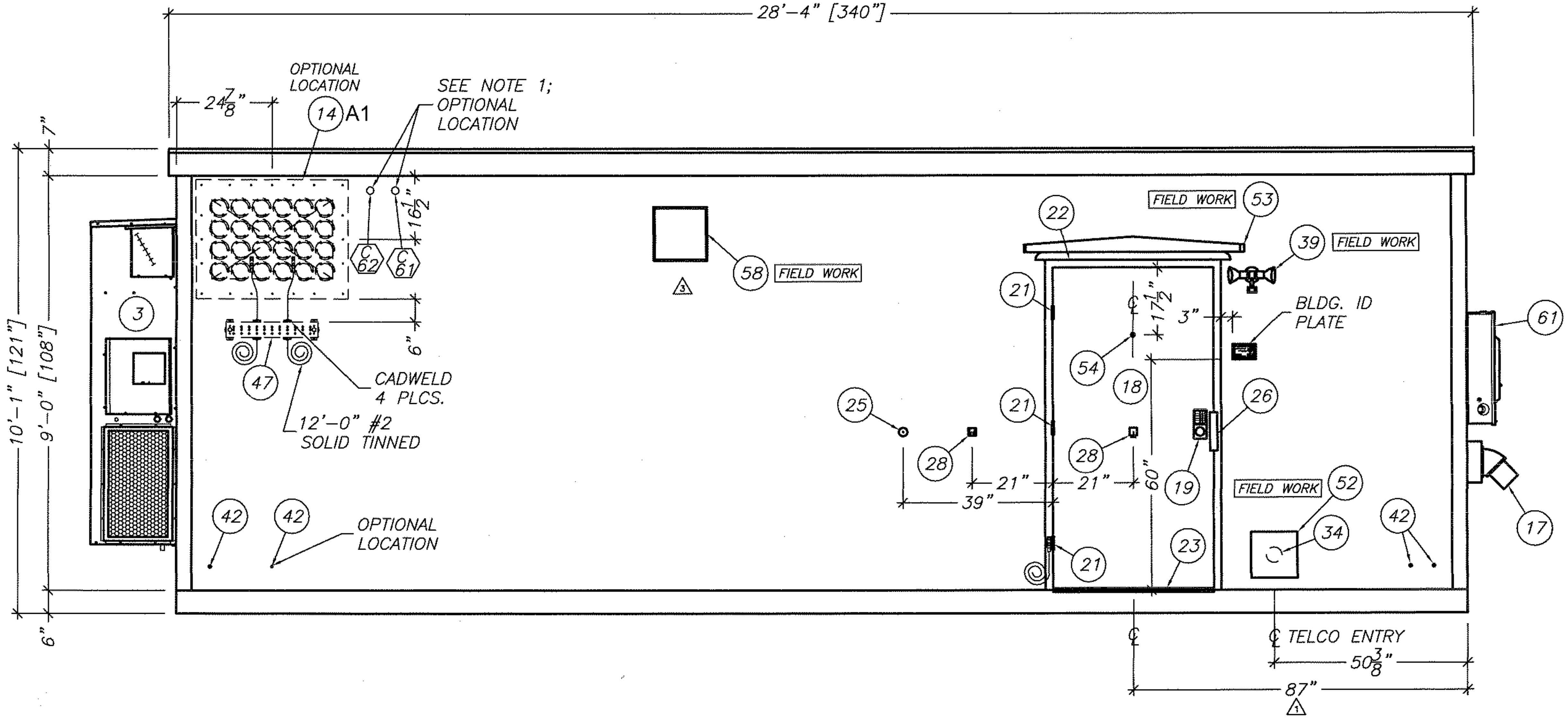


ELEVATION KEY

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4	DD	07/13/06	ADDED FIELDWORK NOTE	DD	07/13/06		
3	DD	4/12/06	ADDED VENT FAN				
2	CH	12/09/05	ADDED OPTIONAL W.G. ON EL. C; ADD F.W. NOTE	JS	12/09/05	GS	12/14/05
1	CH	07/20/05	REV. LOCATION OF ITEM (18) TO MATCH STRUCTS.	MT	07/20/05		

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

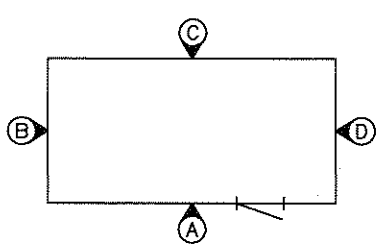
DRN. BY: SC	DATE: 06/14/05	CINGULAR
CHK. BY:	DATE:	11'–5" X 28'–0" EQUIPMENT SHELTER
APP. BY: MT	DATE: 06/30/05	FLOOR PLAN
APP. BY: MG	DATE: 06/30/05	
ENG. BY:	DATE:	SCALE: 3/8"=1'-0" · SHEET NO.: 1–1 · B · DWG NO.: D-7668



ELEVATION "A"

NOTE:

1. SECURE WITH LOCKNUTS AND REDUCING WASHER CAP OFF PENETRATION. DO NOT GLUE.
2. ALL ITEMS MARKED FIELDWORK SHALL BE INSTALLED, TESTED, REMOVED & PACKED IN BUILDING PRIOR TO SHIPMENT
3. SEE BUILDING COVERSHEET FOR INSTALLED WAVEGUIDE LOCATION.

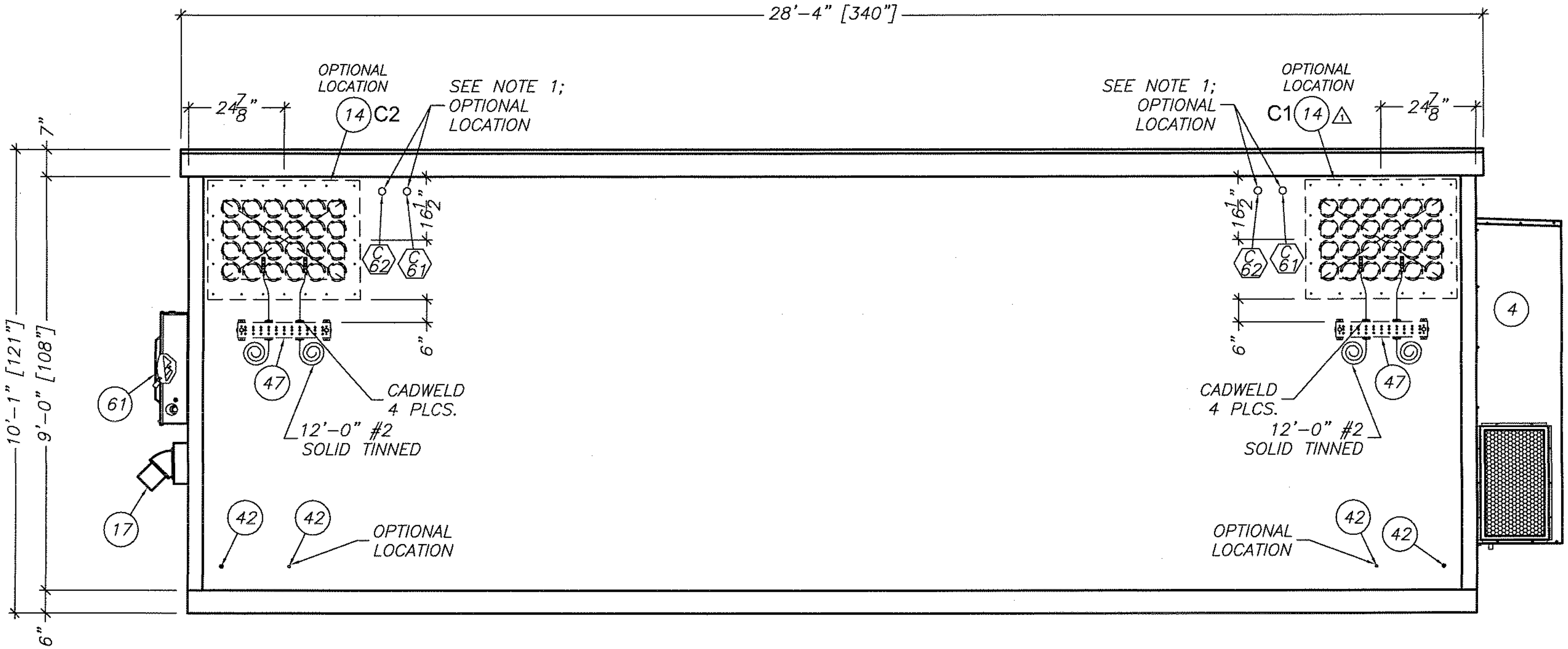


ELEVATION KEY

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4	DD	07/13/06	ADDED NOTE	DD	07/13/06		
3	DD	4/12/06	ADDED VENT FAN				
2	CH	12/09/05	ADDED FIELD WORK NOTE (NOTE 2)	JS	12/09/05	GS	12/14/05
1	CH	07/20/05	REVISED DIMENSION TO 87" FOR ITEM (18) 3670 DOOR	MT	07/20/05		

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

DRN. BY: SC	DATE: 06/14/05	CINGULAR
CHK. BY:	DATE:	11'-5" X 28'-0" EQUIPMENT SHELTER
APP. BY: MT	DATE: 06/30/05	EXTERIOR ELEVATION "A"
APP. BY: MG	DATE: 06/30/05	
ENG. BY:	DATE:	SCALE: 3/8"=1'-0" · SHEET NO.: 1-2 · B · DWG NO.: D-7668



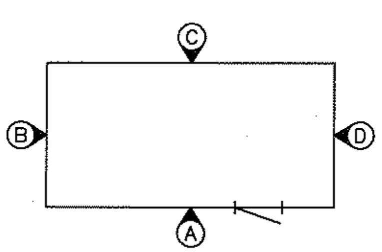
ELEVATION "C"

NOTE:

1. SECURE WITH LOCKNUTS AND REDUCING WASHER CAP OFF PENETRATION. DO NOT GLUE.

△1 2. ALL ITEMS MARKED FIELDWORK SHALL BE INSTALLED, TESTED, REMOVED & PACKED IN BUILDING PRIOR TO SHIPMENT

3. SEE BUILDING COVERSHEET FOR INSTALLED WAVEGUIDE LOCATION.



ELEVATION KEY

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3							
2	DD	07/20/06	ADDED NOTE		7/20		
1	CH	12/09/05	ADDED OPTIONAL W.G. PORT; ADDED F.W. NOTE (NOTE 2)	JS	12/09/05	GS	12/14/05

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

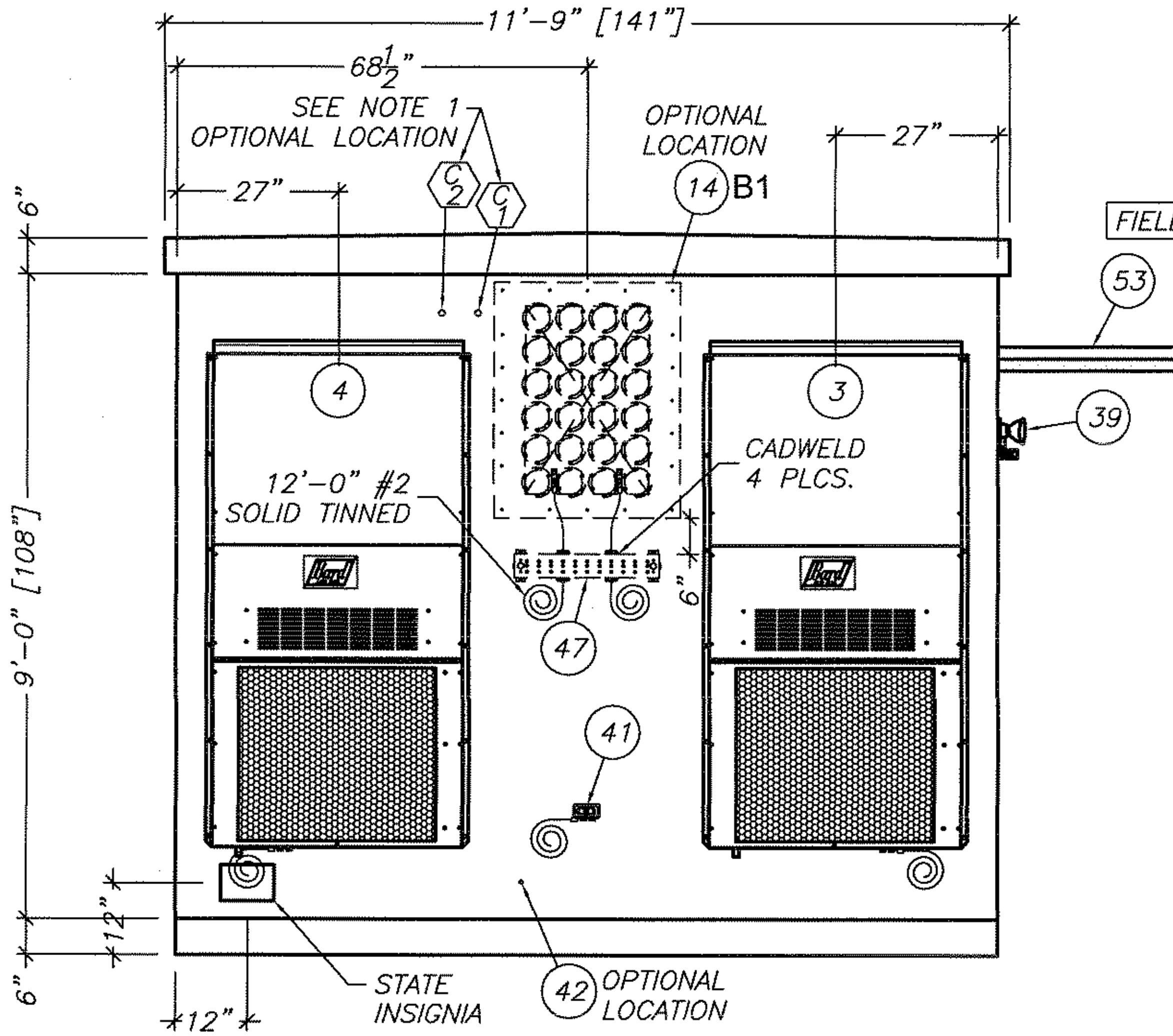
DRN. BY: SC	DATE: 06/14/05
CHK. BY:	DATE:
APP. BY: MT	DATE: 06/30/05
APP. BY: MG	DATE: 06/30/05
ENG. BY:	DATE:

CINGULAR

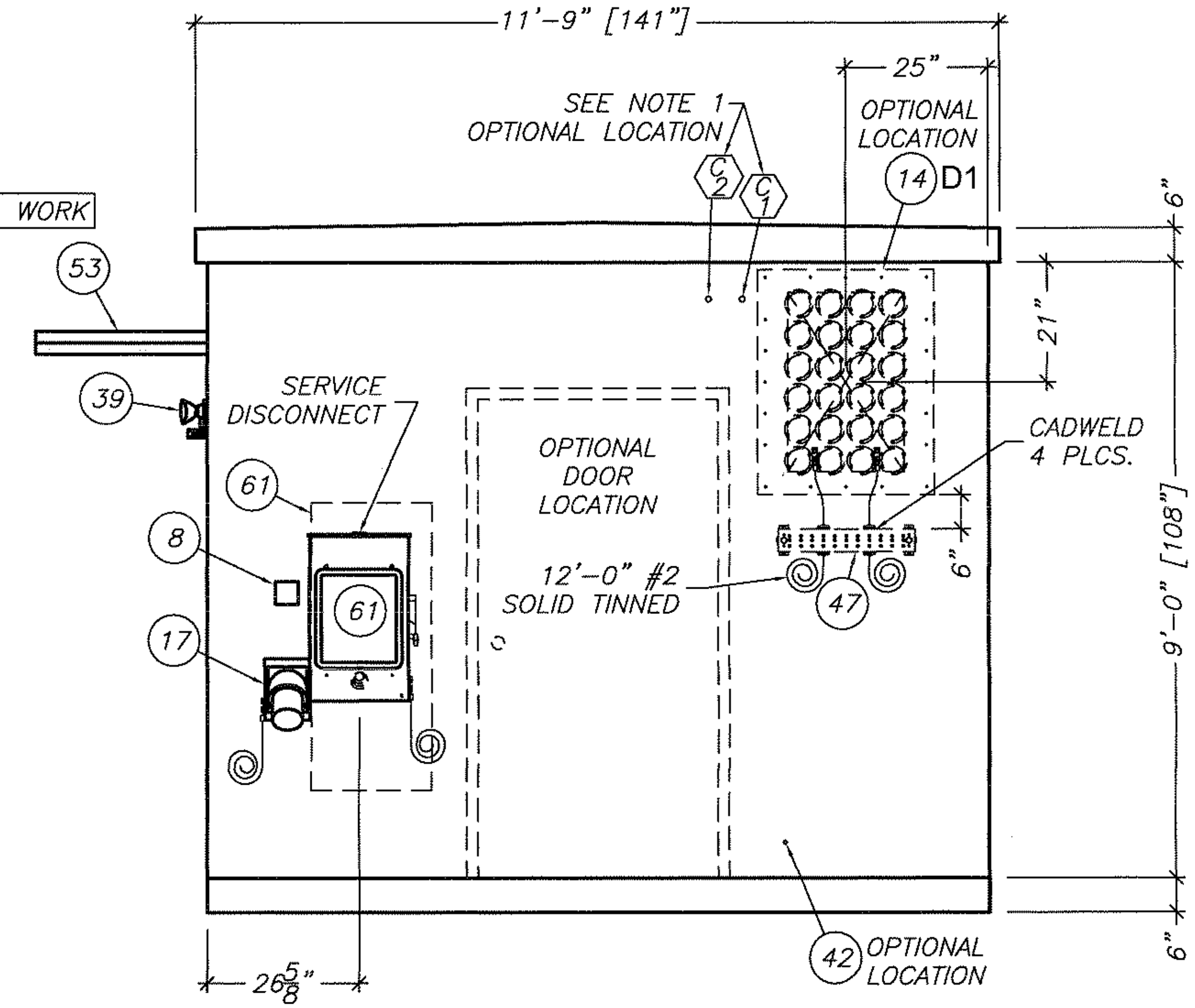
11'-5" X 28'-0" EQUIPMENT SHELTER

EXTERIOR ELEVATION "C"

SCALE: 3/8"=1'-0" | SHEET NO.: 1-3 | B | DWG NO.: D-7668



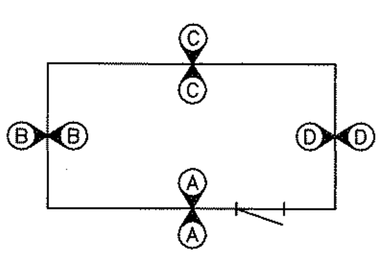
ELEVATION "B"



ELEVATION "D"

⚠ NOTE:

1. ALL ITEMS MARKED FIELDWORK SHALL BE INSTALLED, TESTED, REMOVED & PACKED IN BUILDING PRIOR TO SHIPMENT
2. SEE BUILDING COVERSHEET FOR INSTALLED WAVEGUIDE LOCATION.



ELEVATION KEY

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3							
2	DD	07/20/06	ADDED NOTE				
1	CH	12/09/05	ADDED FIELDWORK NOTE	JS	12/09/05	GS	12/14/05

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

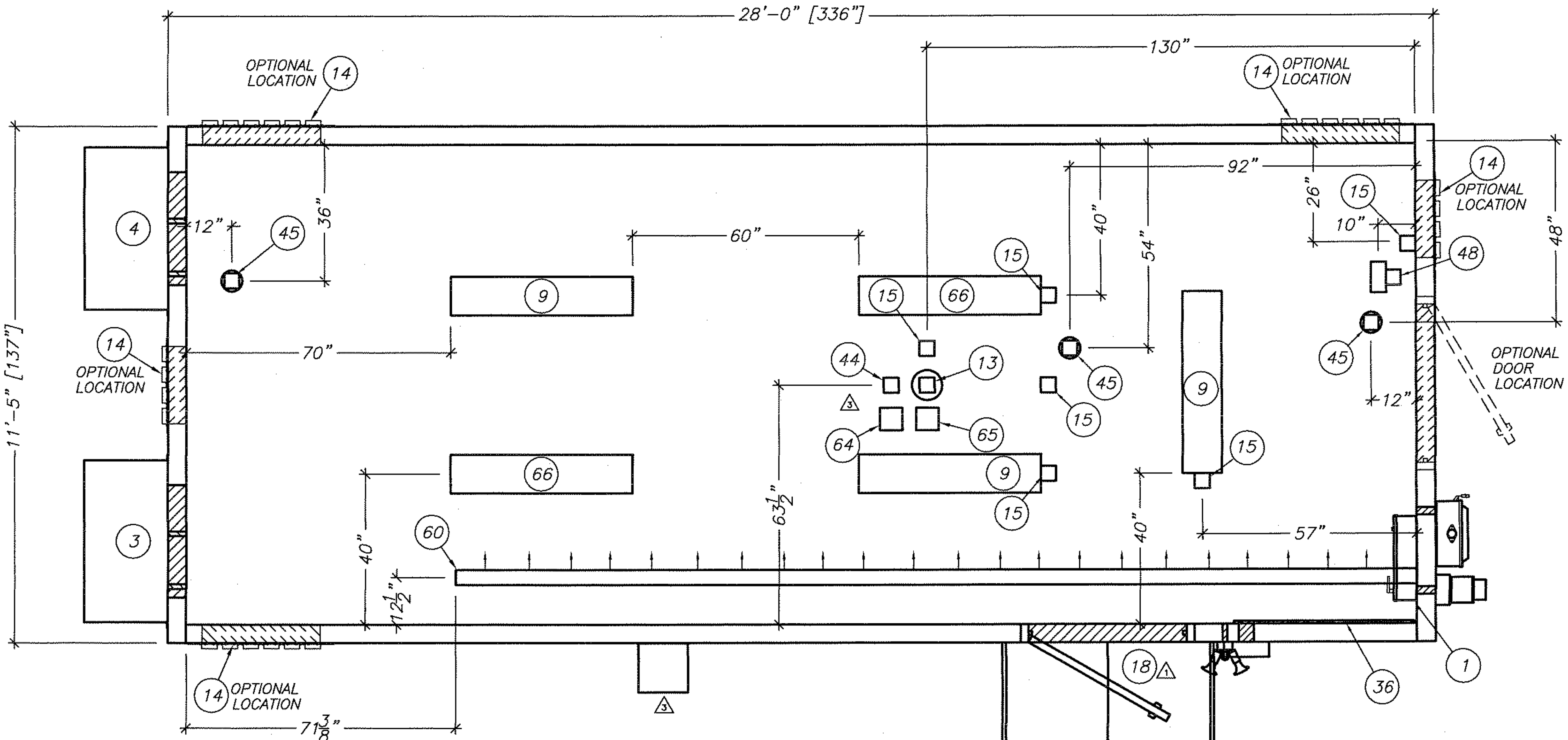
DRN. BY: SC	DATE: 06/14/05
CHK. BY:	DATE:
APP. BY: MT	DATE: 06/30/05
APP. BY: MG	DATE: 06/30/05
ENG. BY:	DATE:

CINGULAR

11'-5" X 28'-0" EQUIPMENT SHELTER

EXTERIOR ELEVATIONS "B" & "D"

SCALE: 3/8"=1'-0" | SHEET NO.: 1-4 | B | DWG NO.: D-7668



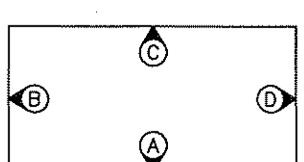
CEILING VIEW

NOTE:

1. ALL MEASUREMENTS SHOWN ARE ACCURATE WITHIN ± 1/4".
ALL ADJACENT BOXES SHALL BE THE SAME DIMENSION.

2. THE LOCATIONS OF 4" x 4" AND 4 11/16" x 4 11/16" JUNCTION BOXES AND SMALLER ITEMS CAN BE ADJUSTED ±3" AS REQUIRED TO PREVENT INTERFERENCE WITH TRIM PIECES. INTERFERENCE WITH OTHER COMPONENTS WILL REQUIRE TRIM TO BE CUT.

3. SEE BUILDING COVERSHEET FOR INSTALLED WAVEGUIDE LOCATION.

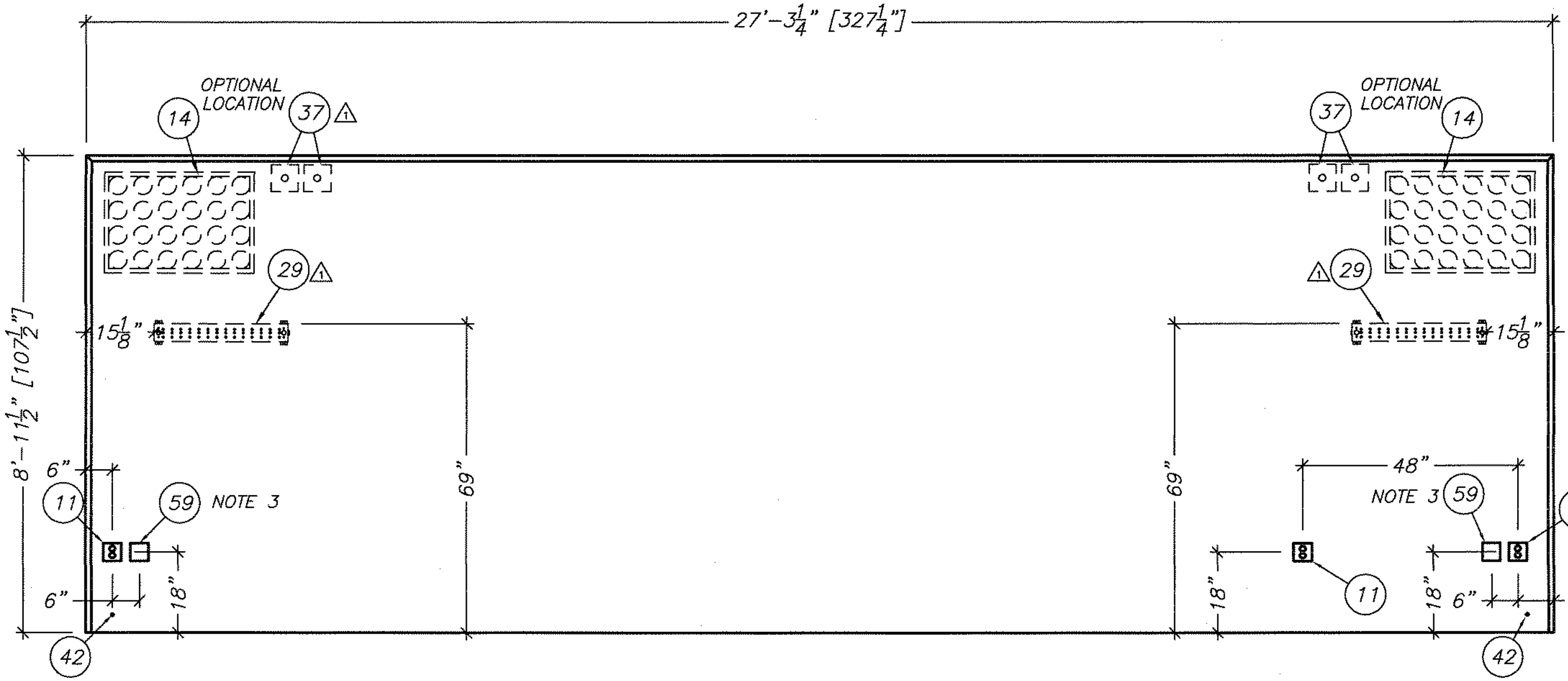


ELEVATION KEY

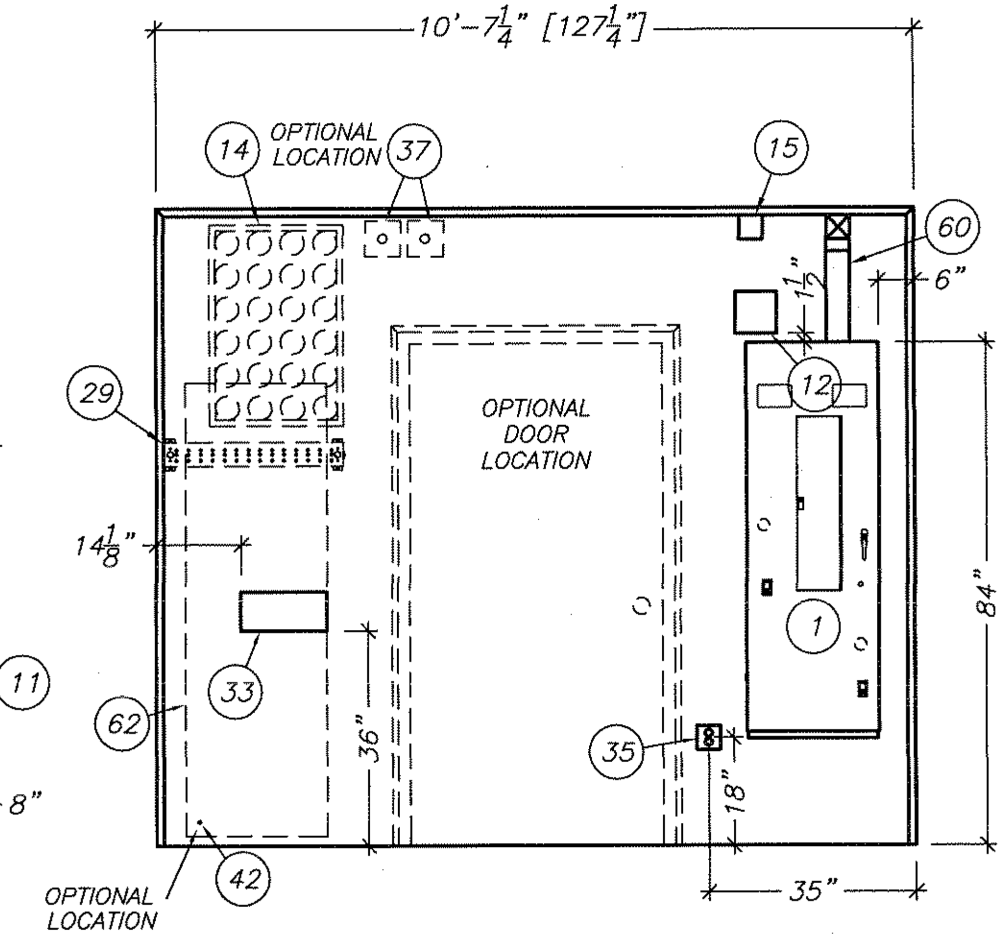
REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4	DD	07/13/06	DELETED EXTERIOR BUBBLES	DD	07/13/06		
3	DD	4/12/06	REM. EXT. BUBBLES; ADDED HYD. DET. & VENT FAN				
2	CH	12/09/05	REV. LIGHTS & J.B. ON CEILING; ADDED J.B. TRIM NOTE	JS	12/09/05	GS	12/14/05
1	CH	07/20/05	REV. LOCATION OF ITEM (18) TO MATCH STRUCTS.	MT	07/20/05		

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

DRN. BY: SC	DATE: 06/14/05	CINGULAR	
CHK. BY:	DATE:	11'-5" X 28'-0" EQUIPMENT SHELTER	
APP. BY: MT	DATE: 06/30/05	INTERIOR CEILING VIEW	
APP. BY: MG	DATE: 06/30/05		
ENG. BY:	DATE:	SCALE: 3/8"=1'-0" SHEET NO.: 2-1	B DWG NO.: D-7668



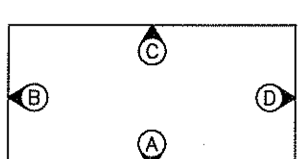
ELEVATION "C"



ELEVATION "D"

NOTE:

1. ALL MEASUREMENTS SHOWN ARE ACCURATE WITHIN ± 1/4". ALL ADJACENT BOXES SHALL BE THE SAME DIMENSION.
2. THE LOCATIONS OF 4" x 4" AND 4 11/16" x 4 11/16" JUNCTION BOXES AND SMALLER ITEMS CAN BE ADJUSTED ±3" AS REQUIRED TO PREVENT INTERFERENCE WITH TRIM PIECES. INTERFERENCE WITH OTHER COMPONENTS WILL REQUIRE TRIM TO BE CUT.
3. INSTALL RECEPT. ITEM 59 ONLY UNDER INSTALLED WAVEGUIDE ALL OTHERS INSTALL BLANK COVER PLATE.
4. SEE BUILDING COVERSHEET FOR INSTALLED WAVEGUIDE LOCATION.



ELEVATION KEY

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3							
2	DD	07/20/06	ADDED NOTE	[illegible]	[illegible]		
1	CH	12/09/05	ADDED OPTIONAL W.G. PORT; REV. GROUNDBAR HEIGHT	JS	12/09/05	GS	12/14/05

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

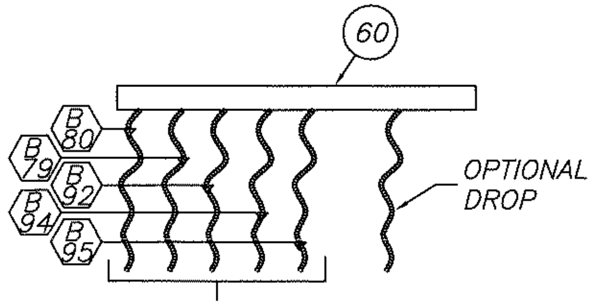
DRN. BY: SC	DATE: 06/14/05
CHK. BY:	DATE:
APP. BY: MT	DATE: 06/30/05
APP. BY: MG	DATE: 06/30/05
ENG. BY:	DATE:

CINGULAR

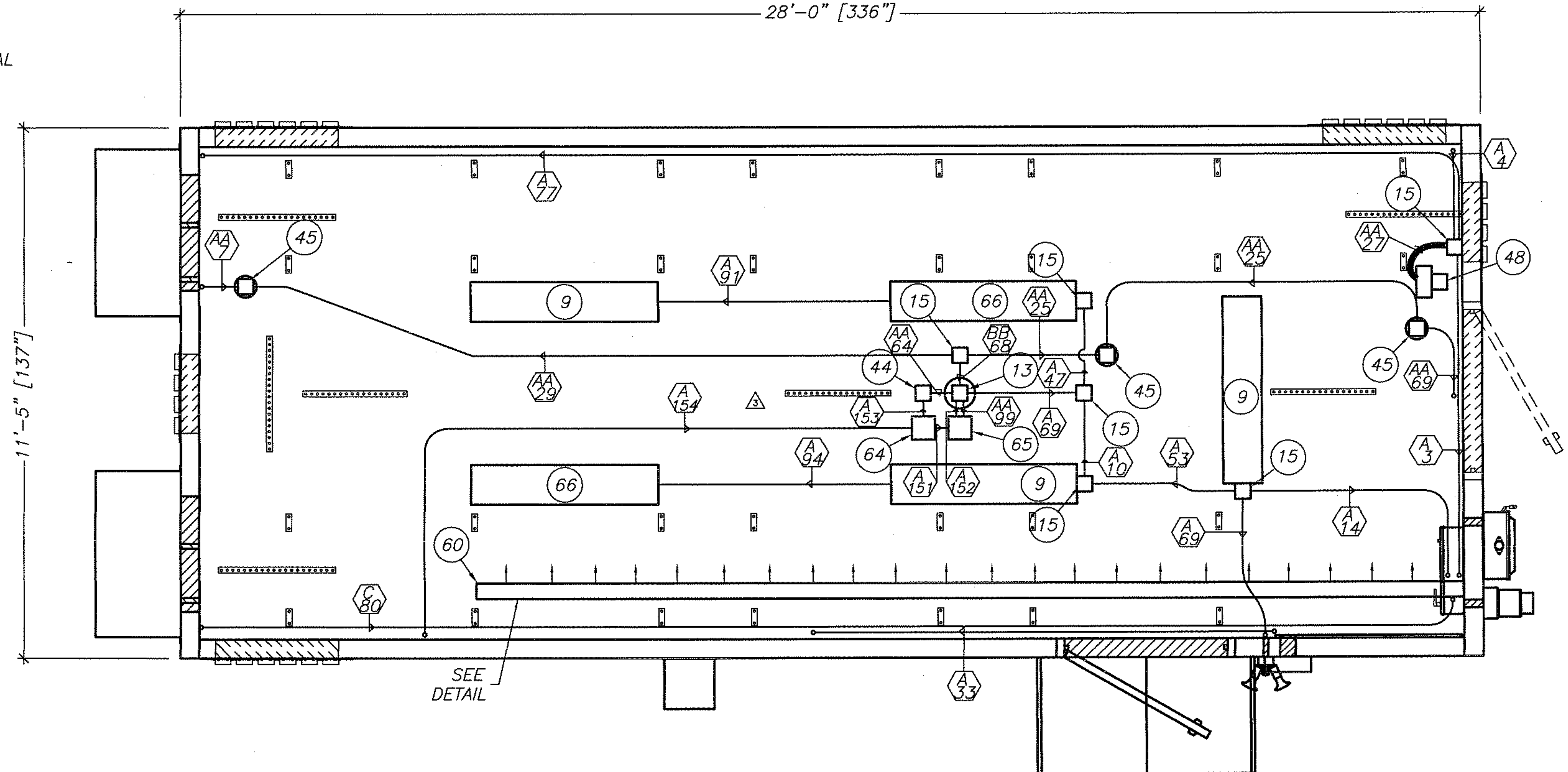
11'-5" X 28'-0" EQUIPMENT SHELTER

INTERIOR ELEVATIONS "C" & "D"

SCALE:	SHEET NO.:		DWG NO.:
3/8"=1'-0"	2-3	B	D-7668



(5) 3/4" SEALTIGHT DROPS TO FLOOR; SEE NOTE 2

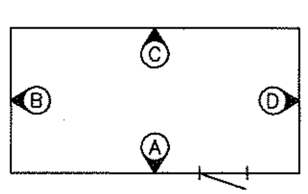


CEILING VIEW

CONDUIT KEY		
A.C.	LOW VOLTAGE	PVC
A = 1/2"	AA = 1/2"	XA = 1/2"
B = 3/4"	BB = 3/4"	XB = 3/4"
C = 1"	CC = 1"	XC = 1"
D = 1 1/4"	DD = 1 1/4"	XD = 1 1/4"
E = 1 1/2"	EE = 1 1/2"	XE = 1 1/2"
F = 2"	FF = 2"	XF = 2"
G = 2 1/2"	GG = 2 1/2"	XG = 2 1/2"
H = 3"	HH = 3"	XH = 3"
I = 3 1/2"	II = 3 1/2"	XI = 3 1/2"
J = 4"	JJ = 4"	XJ = 4"

NOTE:

1. CONDUIT SHOULD BE INSTALLED AS SHOWN IF POSSIBLE. ANY CHANGES TO 90° BENDS, OFFSETS, AND SADDLES MAY BE DONE WHEN NEEDED AND SHOULD BE UNDER THE GUIDANCE OF A QUALIFIED SENIOR CREW LEADER. ANY CHANGE MUST BE WITHIN THE GUIDELINES OF PROCEDURE 4-1 GENERAL CONDUIT RULES.
2. ALL CONDUIT TO HAVE A MINIMUM OF 3/4" BETWEEN THEM.
3. PULL SEALTIGHT TO FLOOR. CONNECT TO (60) WITH 45° CONNECTOR. TYWRAP A 90° CONNECTOR TO EACH SEALTIGHT.
4. SEE BUILDING COVERSHEET FOR INSTALLED WAVEGUIDE LOCATION.

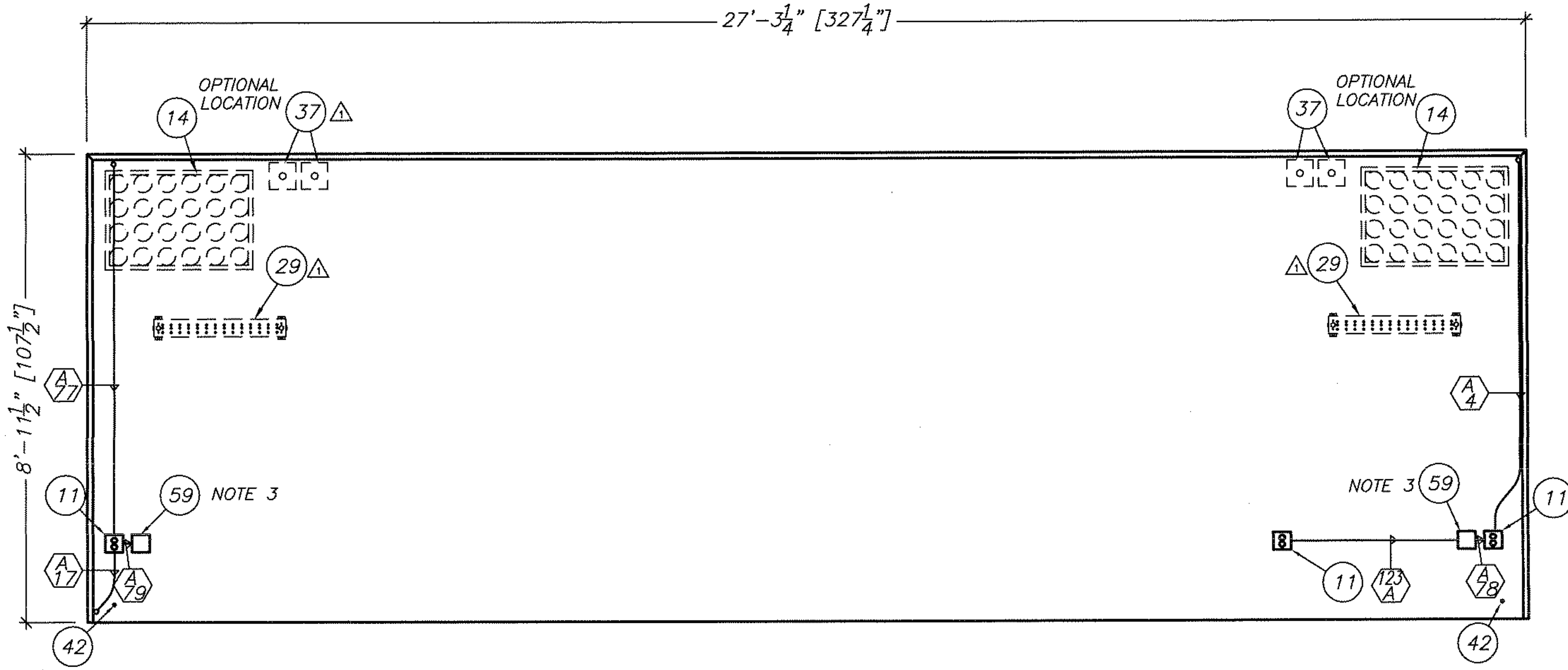


ELEVATION KEY

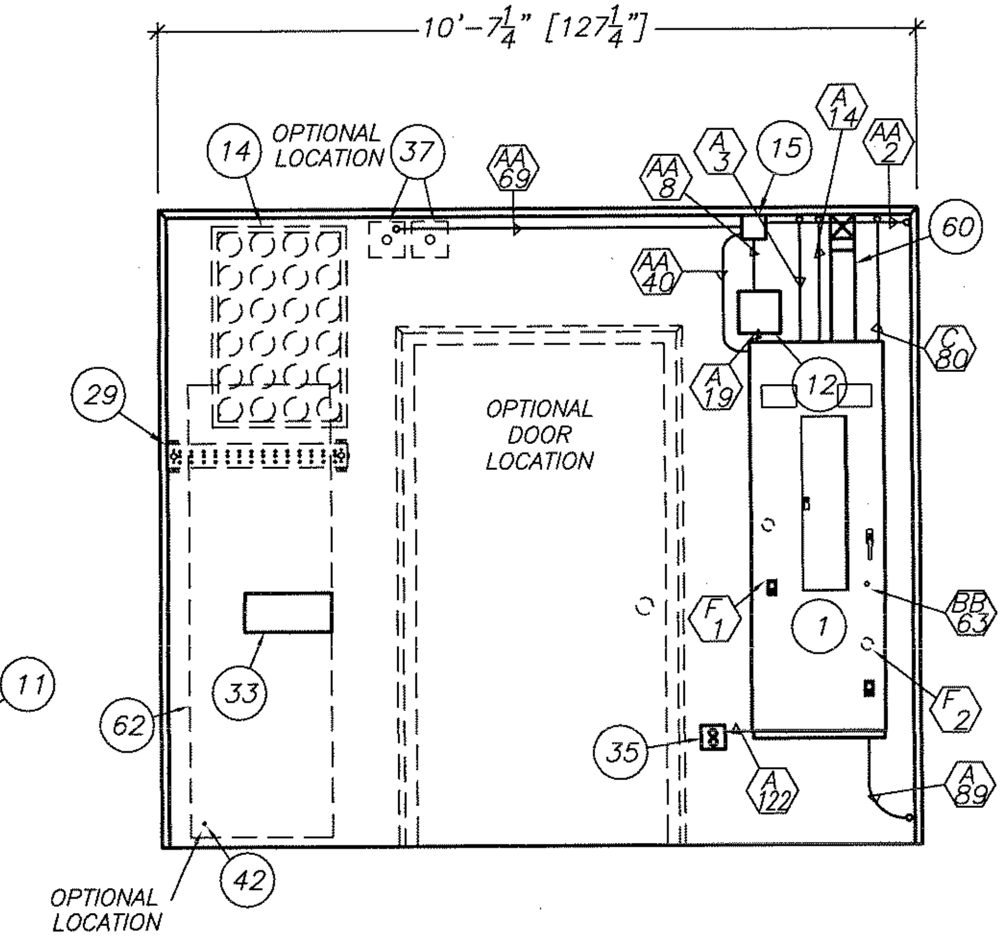
REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4	DD	07/13/06	DELETED EXTERIOR BUBBLES	DD	07/13/06		
3	DD	4/12/06	REV. CONDUIT				
2	CH	12/09/05	ADD OPTIONAL W.G. ON EL. C; REV. CONDUIT	JS	12/09/05	GS	12/14/05
1	CH	07/20/05	REV. LOCATION OF ITEM (18) TO MATCH STRUCTS.	MT	07/20/05		

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

DRN. BY: SC	DATE: 06/14/05	CINGULAR
CHK. BY:	DATE:	11'-5" X 28'-0" EQUIPMENT SHELTER
APP. BY: MT	DATE: 06/30/05	CONDUIT CEILING VIEW
APP. BY: MG	DATE: 06/30/05	
ENG. BY:	DATE:	SCALE: 3/8"=1'-0" · SHEET NO.: 3-1 · B · DWG NO.: D-7668



ELEVATION "C"

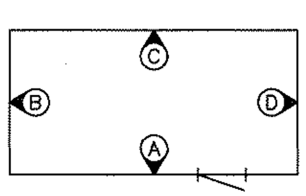


ELEVATION "D"

CONDUIT KEY		
A.C.	LOW VOLTAGE	PVC
A = 1/2"	AA = 1/2"	XA = 1/2"
B = 3/4"	BB = 3/4"	XB = 3/4"
C = 1"	CC = 1"	XC = 1"
D = 1 1/4"	DD = 1 1/4"	XD = 1 1/4"
E = 1 1/2"	EE = 1 1/2"	XE = 1 1/2"
F = 2"	FF = 2"	XF = 2"
G = 2 1/2"	GG = 2 1/2"	XG = 2 1/2"
H = 3"	HH = 3"	XH = 3"
I = 3 1/2"	II = 3 1/2"	XI = 3 1/2"
J = 4"	JJ = 4"	XJ = 4"

NOTE:

1. CONDUIT SHOULD BE INSTALLED AS SHOWN IF POSSIBLE. ANY CHANGES TO 90° BENDS, OFFSETS, AND SADDLES MAY BE DONE WHEN NEEDED AND SHOULD BE UNDER THE GUIDANCE OF A QUALIFIED SENIOR CREW LEADER. ANY CHANGE MUST BE WITHIN THE GUIDELINES OF PROCEDURE 4-1 GENERAL CONDUIT RULES.
2. ALL CONDUIT TO HAVE A MINIMUM OF 3/4" BETWEEN THEM.
3. INSTALL RECEPT. ITEM 59 ONLY UNDER INSTALLED WAVEGUIDE ALL OTHERS INSTALL BLANK COVER PLATE.
4. SEE BUILDING COVERSHEET FOR INSTALLED WAVEGUIDE LOCATION.



ELEVATION KEY

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3							
2	DD	07/20/06	ADDED NOTE				
1	CH	12/09/05	ADD OPTIONAL W.G. ON EL. C; ADDED NOTE 2	JS	12/09/05	GS	12/14/05

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

DRN. BY: SC	DATE: 06/14/05
CHK. BY:	DATE:
APP. BY: MT	DATE: 06/30/05
APP. BY: MG	DATE: 06/30/05
ENG. BY:	DATE:

CINGULAR
11'-5" X 28'-0" EQUIPMENT SHELTER
CONDUIT ELEVATIONS "C" & "D"

SCALE: 3/8"=1'-0" | SHEET NO.: 3-3 | B | DWG NO.: D-7668

PANEL CIRCUIT AND LOAD SCHEDULE

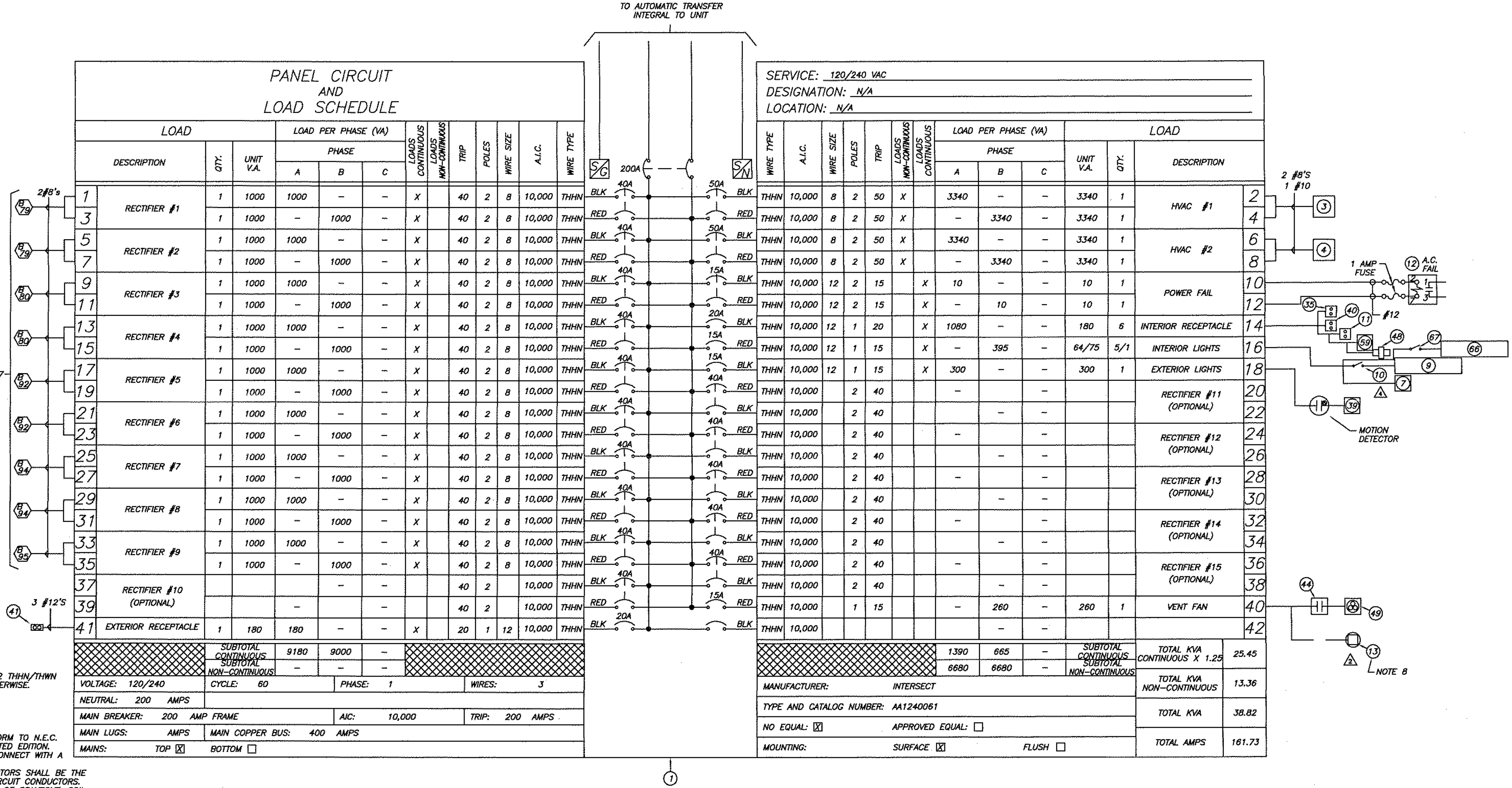
CKT	DESCRIPTION	QTY.	UNIT V.A.	PHASE A	PHASE B	PHASE C	LOADS CONTINUOUS	LOADS NON-CONTINUOUS	TRIP	POLES	WIRE SIZE	A.I.C.	WIRE TYPE
1	RECTIFIER #1	1	1000	1000	–	–	X		40	2	8	10,000	THHN
3		1	1000	–	1000	–	X		40	2	8	10,000	THHN
5	RECTIFIER #2	1	1000	1000	–	–	X		40	2	8	10,000	THHN
7		1	1000	–	1000	–	X		40	2	8	10,000	THHN
9	RECTIFIER #3	1	1000	1000	–	–	X		40	2	8	10,000	THHN
11		1	1000	–	1000	–	X		40	2	8	10,000	THHN
13	RECTIFIER #4	1	1000	1000	–	–	X		40	2	8	10,000	THHN
15		1	1000	–	1000	–	X		40	2	8	10,000	THHN
17	RECTIFIER #5	1	1000	1000	–	–	X		40	2	8	10,000	THHN
19		1	1000	–	1000	–	X		40	2	8	10,000	THHN
21	RECTIFIER #6	1	1000	1000	–	–	X		40	2	8	10,000	THHN
23		1	1000	–	1000	–	X		40	2	8	10,000	THHN
25	RECTIFIER #7	1	1000	1000	–	–	X		40	2	8	10,000	THHN
27		1	1000	–	1000	–	X		40	2	8	10,000	THHN
29	RECTIFIER #8	1	1000	1000	–	–	X		40	2	8	10,000	THHN
31		1	1000	–	1000	–	X		40	2	8	10,000	THHN
33	RECTIFIER #9	1	1000	1000	–	–	X		40	2	8	10,000	THHN
35		1	1000	–	1000	–	X		40	2	8	10,000	THHN
37	RECTIFIER #10 (OPTIONAL)				–	–			40	2		10,000	THHN
39				–		–			40	2		10,000	THHN
41	EXTERIOR RECEPTACLE	1	180	180	–	–	X		20	1	12	10,000	THHN
			SUBTOTAL CONTINUOUS	9180	9000	–							
			SUBTOTAL NON-CONTINUOUS	–	–	–							

VOLTAGE: 120/240	CYCLE: 60	PHASE: 1	WIRES: 3				
NEUTRAL: 200 AMPS							
MAIN BREAKER: 200 AMP FRAME	AIC: 10,000	TRIP: 200 AMPS					
MAIN LUGS: AMPS	MAIN COPPER BUS: 400 AMPS						
MAINS: TOP ☒	BOTTOM ☐						

SERVICE: 120/240 VAC
DESIGNATION: N/A
LOCATION: N/A

WIRE TYPE	A.I.C.	WIRE SIZE	POLES	TRIP	LOADS NON-CONTINUOUS	LOADS CONTINUOUS	PHASE A	PHASE B	PHASE C	UNIT V.A.	QTY.	DESCRIPTION	CKT
THHN	10,000	8	2	50	X		3340	–	–	3340	1	HVAC #1	2
THHN	10,000	8	2	50	X		–	3340	–	3340	1		4
THHN	10,000	8	2	50	X		3340	–	–	3340	1	HVAC #2	6
THHN	10,000	8	2	50	X		–	3340	–	3340	1		8
THHN	10,000	12	2	15		X	10	–	–	10	1	POWER FAIL	10
THHN	10,000	12	2	15		X	–	10	–	10	1		12
THHN	10,000	12	1	20		X	1080	–	–	180	6	INTERIOR RECEPTACLE	14
THHN	10,000	12	1	15		X	–	395	–	64/75	5/1	INTERIOR LIGHTS	16
THHN	10,000	12	1	15		X	300	–	–	300	1	EXTERIOR LIGHTS	18
THHN	10,000		2	40			–		–			RECTIFIER #11 (OPTIONAL)	20
THHN	10,000		2	40				–	–				22
THHN	10,000		2	40			–		–			RECTIFIER #12 (OPTIONAL)	24
THHN	10,000		2	40				–	–				26
THHN	10,000		2	40			–		–			RECTIFIER #13 (OPTIONAL)	28
THHN	10,000		2	40				–	–				30
THHN	10,000		2	40			–		–			RECTIFIER #14 (OPTIONAL)	32
THHN	10,000		2	40				–	–				34
THHN	10,000		2	40			–		–			RECTIFIER #15 (OPTIONAL)	36
THHN	10,000		2	40				–	–				38
THHN	10,000		1	15			–	260	–	260	1	VENT FAN	40
THHN	10,000							–	–				42
							1390	665	–	SUBTOTAL CONTINUOUS		TOTAL KVA CONTINUOUS X 1.25	25.45
							6680	6680	–	SUBTOTAL NON-CONTINUOUS		TOTAL KVA NON-CONTINUOUS	13.36
												TOTAL KVA	38.82
												TOTAL AMPS	161.73

MANUFACTURER:	INTERSECT
TYPE AND CATALOG NUMBER:	AA1240061
NO EQUAL: ☒	APPROVED EQUAL: ☐
MOUNTING:	SURFACE ☒ FLUSH ☐



NOTES:
1. ALL WIRE TO BE #12 THHN/THWN UNLESS NOTED OTHERWISE. COLOR CODE:
   Aø = BLACK
   Bø = RED
   NEUTRAL = WHITE
   GROUND = GREEN
2. ALL WORK TO CONFORM TO N.E.C. LATEST STATE ADOPTED EDITION.
3. LABEL SERVICE DISCONNECT WITH A RED TAG.
4. SWITCH LEG CONDUCTORS SHALL BE THE SAME COLOR AS CIRCUIT CONDUCTORS.
5. PULL WIRES TO END OF SEALTIGHT. COIL 3'-0" AT END OF SEALTIGHT & TAG.
6. PULL 1 #10 GROUND PER 3 SETS.
7. PULL SEPARATE GROUND CONDUCTOR FOR EACH CIRCUIT EXCEPT FOR RECTIFIER DROPS. PER NOTE 6
8. (△1) SMOKE DETECTOR (ITEM 13) WIRED AS SHOWN ONLY IF 120 VOLT OPTION IS USED.

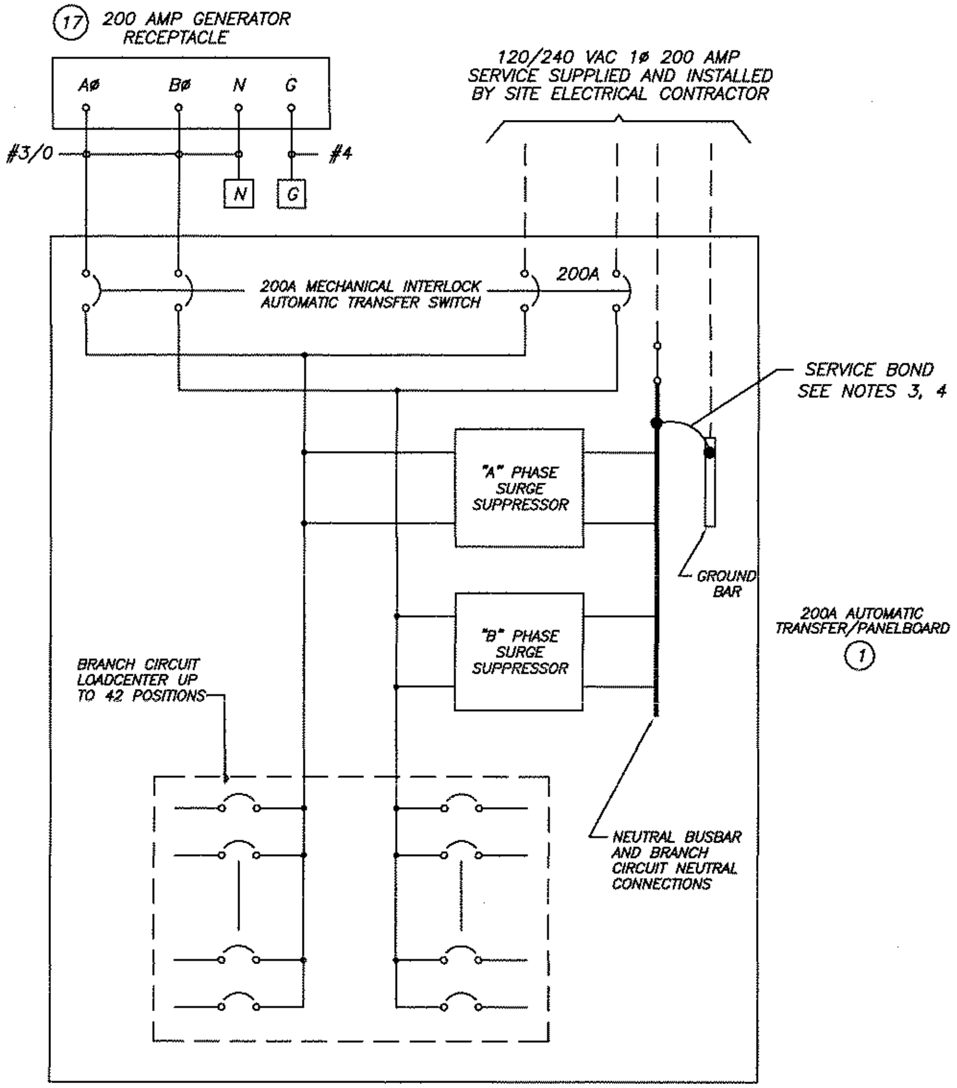
REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3	DD	07/13/06	DELETED SWITCH @ EXT. LIGHT	DD	07/13/06		
2	DD	4/12/06	ADDED VENT FAN				
1	CH	12/09/05	ADDED NOTE 8	JS	12/09/05	GS	12/14/05

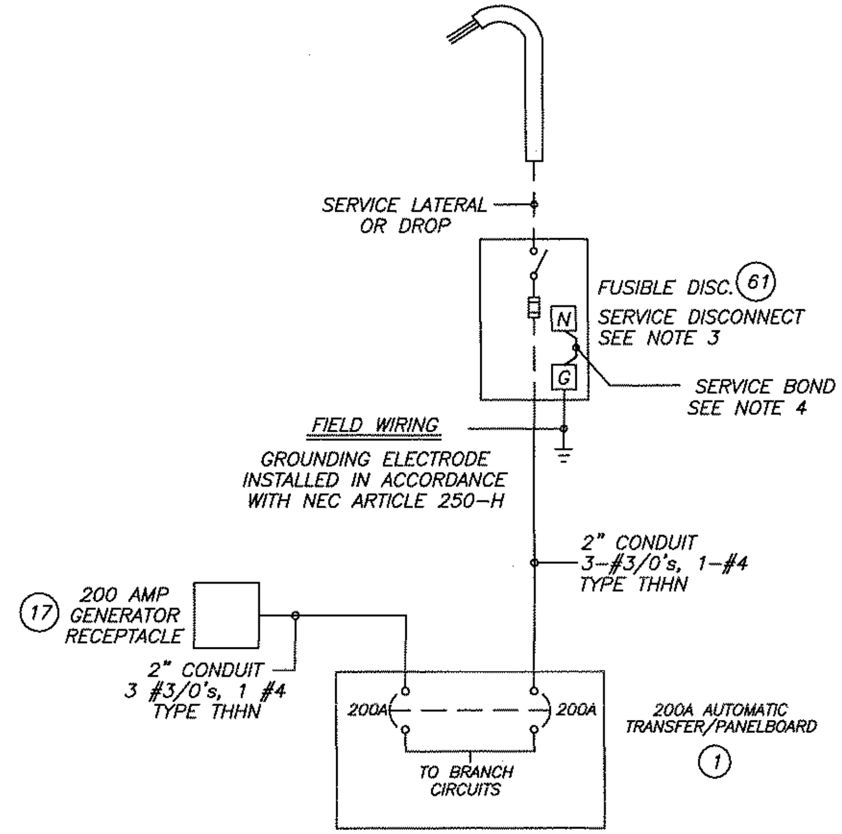
FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

DRN. BY: SC	DATE: 06/14/05
CHK. BY:	DATE:
APP. BY: MT	DATE: 06/30/05
APP. BY: MG	DATE: 06/30/05
ENG. BY:	DATE:

CINGULAR
11'-5" X 28'-0" EQUIPMENT SHELTER
ELECTRICAL SCHEMATIC #1
200 AMP SERVICE

SCALE: NONE | SHEET NO.: 4-1 | B | DWG NO.: D-7668

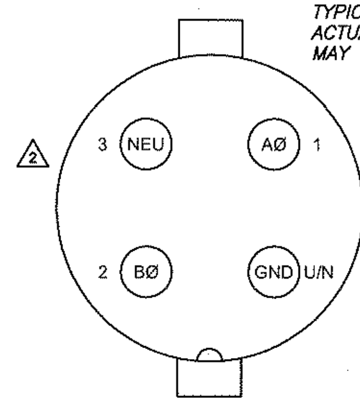




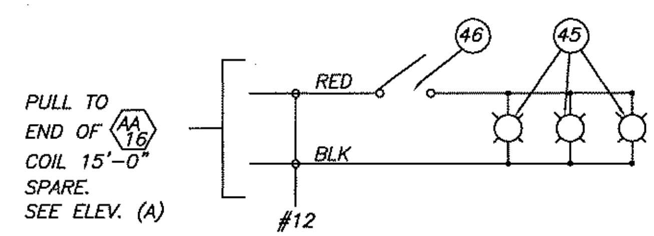
NOTES:

1. ------ DASHED LINES DENOTE FIELD WORK.
2. ALL CIRCUIT BREAKERS ARE 10,000 A.I.C. TYPICALLY. A.I.C. RATING MAY CHANGE AS ELECTRICAL SUPPLY DEMAND CHANGES.
3. SERVICE BOND IS TO BE MADE BY DEVICES (STRAPS , SCREWS , ETC) SUPPLIED BY EQUIP. MANUFACTURER. IF NO SUCH DEVICE IS SUPPLIED, BOND IS TO BE MADE WITH #4 AWG GREEN FOR 200 AMP. SERVICE AND #1/0 AWG GREEN FOR 400 AMP SERVICE.
4. WHEN SERVICE OVERCURRENT DISCONNECT IS FIELD INSTALLED , A TEMPORARY SERVICE BOND WILL BE INSTALLED FOR SAFETY PURPOSE
5. INSTALL SERVICE BOND JUMPER AT SERVICE DISCONNECT.
6. ALL CONDUCTORS SHALL BE TERMINATED WITH PROPERLY SIZED SOLDERLESS LUGS RATED FOR COPPER CABLE.
7. NOT MORE THAN TWO LUGS SHALL BE TERMINATED ON A TERMINAL.
8. CONNECT #2 AWG STRANDED TO GROUND BAR IN ITEM 1 AND RUN TO CELL REF. GROUND BAR (ITEM 29).

TYPICAL PIN LAYOUT
ACTUAL CONFIGURATION
MAY CHANGE PER REGION.



FRONT EXTERIOR VIEW
APPLETON RECEPTACLE - #AR-20044RS
PART OF ASSEMBLY - #AJA20044RS-200



DC LIGHT WIRING

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3	DD	07/13/06	DELETED LIGHTING SCHEDULE	DD	07/13/06		
2	CH	12/09/05	REVISED GEN. RECEPTACLE; REV. LIGHTING SCHEDULE	MT	07/20/05		
1	CH	07/20/05	REMOVED EMERGENCY LIGHT FIXTURE DIAGRAM	JS	12/09/05	GS	12/14/05

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

DRN. BY: SC	DATE: 06/14/05
CHK. BY:	DATE:
APP. BY: MT	DATE: 06/30/05
APP. BY: MG	DATE: 06/30/05
ENG. BY:	DATE:

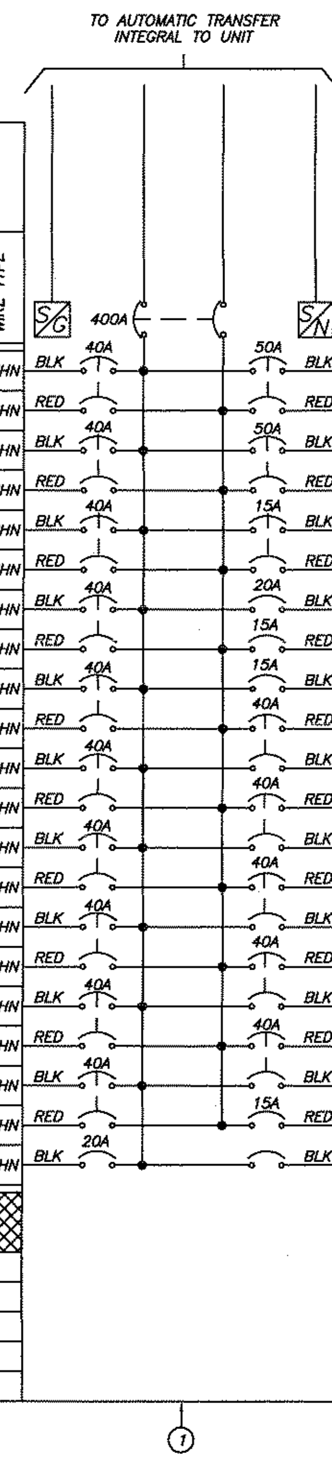
CINGULAR
11'-5" X 28'-0" EQUIPMENT SHELTER
ELECTRICAL SCHEMATIC #2
200 AMP SERVICE

SCALE: NONE | SHEET NO.: 4-2 | B | DWG NO.: D-7668

PANEL CIRCUIT AND LOAD SCHEDULE

CKT	DESCRIPTION	QTY.	UNIT V.A.	A	B	C	LOADS CONTINUOUS	LOADS NON-CONTINUOUS	TRIP	POLES	WIRE SIZE	A.I.C.	WIRE TYPE
1	RECTIFIER #1	1	1000	1000	–	–	X		40	2	8	10,000	THHN
3		1	1000	–	1000	–	X		40	2	8	10,000	THHN
5	RECTIFIER #2	1	1000	1000	–	–	X		40	2	8	10,000	THHN
7		1	1000	–	1000	–	X		40	2	8	10,000	THHN
9	RECTIFIER #3	1	1000	1000	–	–	X		40	2	8	10,000	THHN
11		1	1000	–	1000	–	X		40	2	8	10,000	THHN
13	RECTIFIER #4	1	1000	1000	–	–	X		40	2	8	10,000	THHN
15		1	1000	–	1000	–	X		40	2	8	10,000	THHN
17	RECTIFIER #5	1	1000	1000	–	–	X		40	2	8	10,000	THHN
19		1	1000	–	1000	–	X		40	2	8	10,000	THHN
21	RECTIFIER #6	1	1000	1000	–	–	X		40	2	8	10,000	THHN
23		1	1000	–	1000	–	X		40	2	8	10,000	THHN
25	RECTIFIER #7	1	1000	1000	–	–	X		40	2	8	10,000	THHN
27		1	1000	–	1000	–	X		40	2	8	10,000	THHN
29	RECTIFIER #8	1	1000	1000	–	–	X		40	2	8	10,000	THHN
31		1	1000	–	1000	–	X		40	2	8	10,000	THHN
33	RECTIFIER #9	1	1000	1000	–	–	X		40	2	8	10,000	THHN
35		1	1000	–	1000	–	X		40	2	8	10,000	THHN
37	RECTIFIER #10 (OPTIONAL)				–	–			40	2		10,000	THHN
39				–		–			40	2		10,000	THHN
41	EXTERIOR RECEPTACLE	1	180	180	–	–	X		20	1	12	10,000	THHN
		SUBTOTAL CONTINUOUS		9180	9000	–							
		SUBTOTAL NON-CONTINUOUS		–	–	–							

VOLTAGE: 120/240	CYCLE: 60	PHASE: 1	WIRES: 3
NEUTRAL: 400 AMPS			
MAIN BREAKER: 400 AMP FRAME	AIC: 10,000	TRIP: 400 AMPS	
MAIN LUGS: AMPS	MAIN COPPER BUS: 400 AMPS		
MAINS: TOP ☒	BOTTOM ☐		

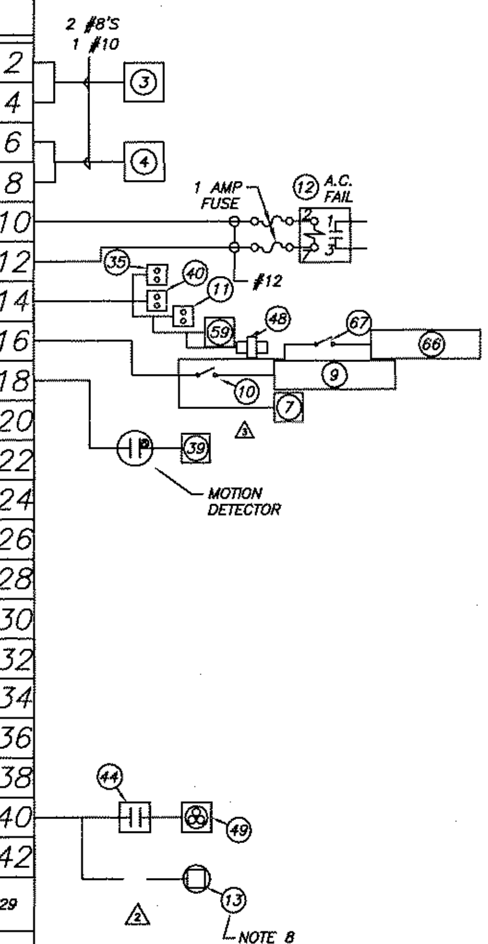


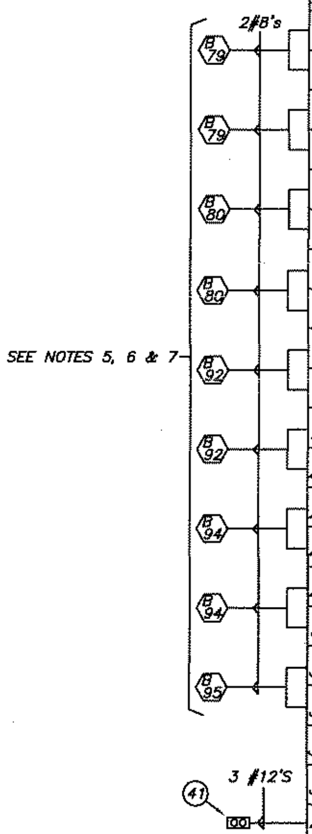
SERVICE: 120/240 VAC
DESIGNATION: N/A
LOCATION: N/A

WIRE TYPE	A.I.C.	WIRE SIZE	POLES	TRIP	LOADS NON-CONTINUOUS	LOADS CONTINUOUS	A	B	C	UNIT V.A.	QTY.	DESCRIPTION	CKT
THHN	10,000	8	2	50	X		3340	–	–	3340	1	HVAC #1	2
THHN	10,000	8	2	50	X		–	3340	–	3340	1		4
THHN	10,000	8	2	50	X		3340	–	–	3340	1	HVAC #2	6
THHN	10,000	8	2	50	X		–	3340	–	3340	1		8
THHN	10,000	12	2	15		X	10	–	–	10	1	POWER FAIL	10
THHN	10,000	12	2	15		X	–	10	–	10	1		12
THHN	10,000	12	1	20		X	1080	–	–	180	6	INTERIOR RECEPTACLE	14
THHN	10,000	12	1	15		X	–	395	–	64/75	5/1	INTERIOR LIGHTS	16
THHN	10,000	12	1	15		X	300	–	–	300	1	EXTERIOR LIGHTS	18
THHN	10,000		2	40			–		–			RECTIFIER #11 (OPTIONAL)	20
THHN	10,000		2	40				–	–				22
THHN	10,000		2	40			–		–			RECTIFIER #12 (OPTIONAL)	24
THHN	10,000		2	40				–	–				26
THHN	10,000		2	40			–		–			RECTIFIER #13 (OPTIONAL)	28
THHN	10,000		2	40				–	–				30
THHN	10,000		2	40			–		–			RECTIFIER #14 (OPTIONAL)	32
THHN	10,000		2	40				–	–				34
THHN	10,000		2	40			–		–			RECTIFIER #15 (OPTIONAL)	36
THHN	10,000		2	40				–	–				38
THHN	10,000		1	15		X	–	260	–	260	1	VENT FAN	40
THHN	10,000						–	–					42
							1390	665	–	SUBTOTAL CONTINUOUS			
							6680	6680	–	SUBTOTAL NON-CONTINUOUS			

MANUFACTURER:	INTERSECT
TYPE AND CATALOG NUMBER:	ACH12200SS42
NO EQUAL: ☒	APPROVED EQUAL: ☐
MOUNTING:	SURFACE ☒ FLUSH ☐

TOTAL KVA CONTINUOUS X 1.25	25.29
TOTAL KVA NON-CONTINUOUS	13.36
TOTAL KVA	38.65
TOTAL AMPS	161.04





NOTES:
1. ALL WIRE TO BE #12 THHN/THWN UNLESS NOTED OTHERWISE.
   COLOR CODE:
   Aø = BLACK
   Bø = RED
   NEUTRAL = WHITE
   GROUND = GREEN
2. ALL WORK TO CONFORM TO N.E.C. LATEST STATE ADOPTED EDITION.
3. LABEL SERVICE DISCONNECT WITH A RED TAG.
4. SWITCH LEG CONDUCTORS SHALL BE THE SAME COLOR AS CIRCUIT CONDUCTORS.
5. PULL WIRES TO END OF SEALTIGHT. COIL 3'-0" AT END OF SEALTIGHT & TAG.
6. PULL 1 #10 GROUND PER 3 SETS.
7. PULL SEPARATE GROUND CONDUCTOR FOR EACH CIRCUIT EXCEPT FOR RECTIFIER DROPS. PER NOTE 6
8. (1) SMOKE DETECTOR (ITEM 13) WIRED AS SHOWN ONLY IF 120 VOLT OPTION IS USED.

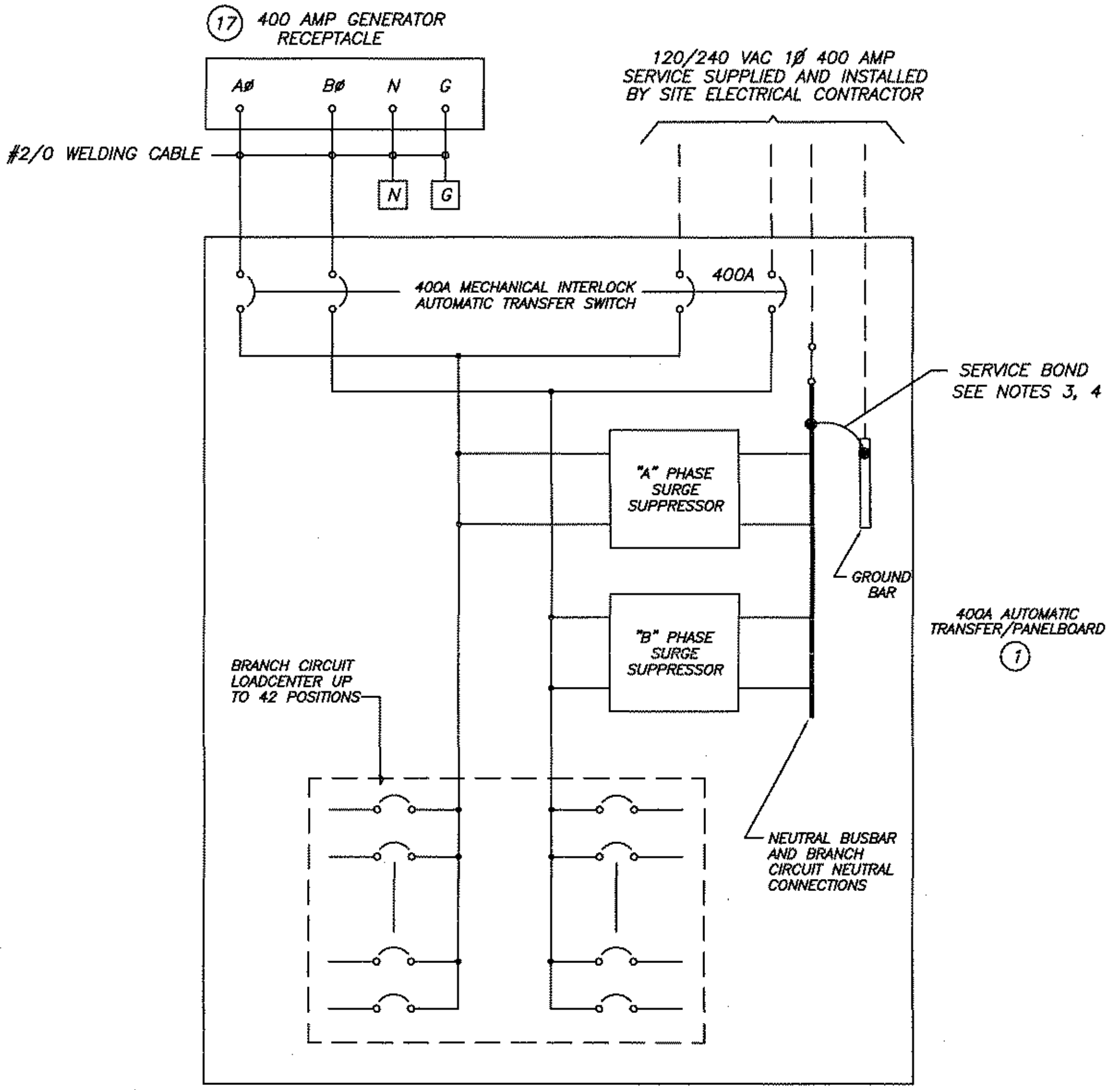
REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3	DD	07/13/06	DELETED SWITCH @ EXT. LIGHT	DD	07/13/06		
2	DD	4/12/06	ADDED VENT FAN				
1	CH	12/09/05	ADDED NOTE 8	JS	12/09/05	GS	12/14/05

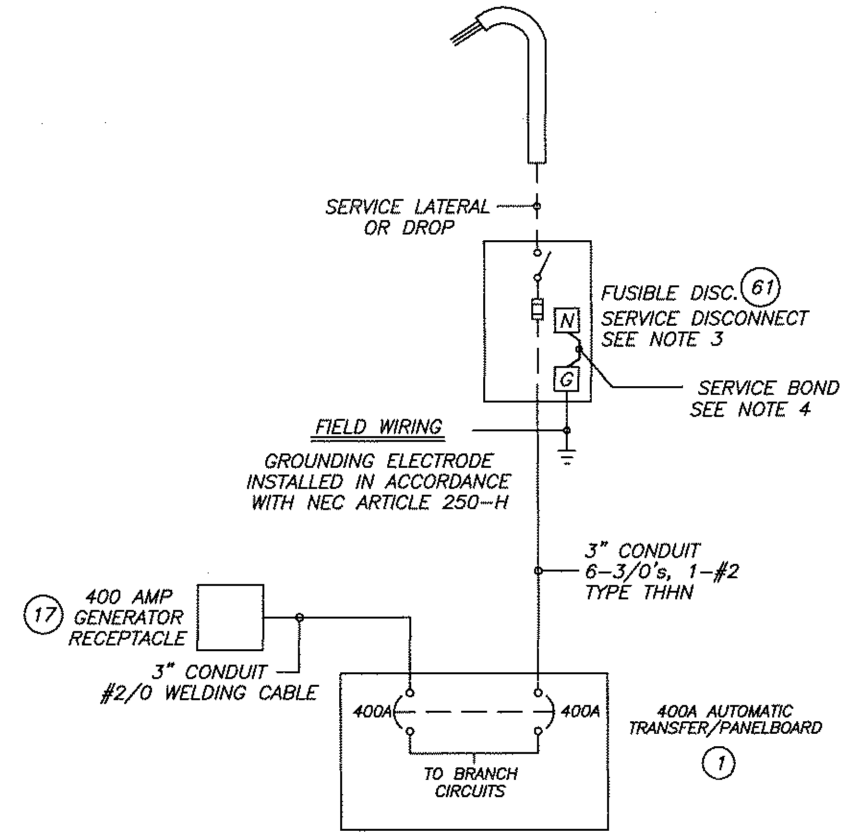
FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

DRN. BY: SC	DATE: 06/14/05
CHK. BY:	DATE:
APP. BY: MT	DATE: 06/30/05
APP. BY: MG	DATE: 06/30/05
ENG. BY:	DATE:

CINGULAR
11'-5" X 28'-0" EQUIPMENT SHELTER
ELECTRICAL SCHEMATIC #3
400 AMP SERVICE

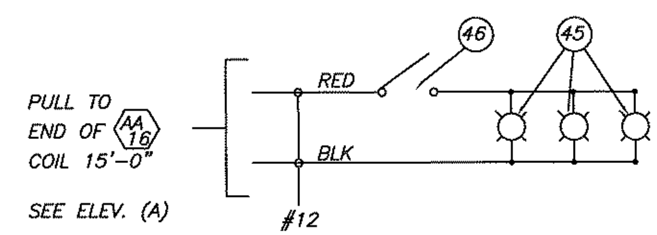
SCALE: NONE | SHEET NO.: 4-3 | B | DWG NO.: D-7668



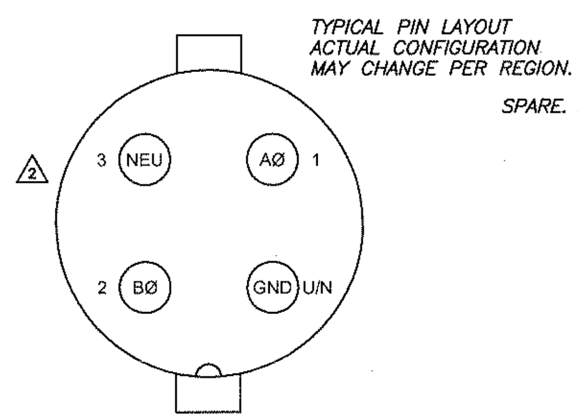


NOTES:

1. ------ DASHED LINES DENOTE FIELD WORK.
2. ALL CIRCUIT BREAKERS ARE 10,000 A.I.C. TYPICALLY. A.I.C. RATING MAY CHANGE AS ELECTRICAL SUPPLY DEMAND CHANGES.
3. SERVICE BOND IS TO BE MADE BY DEVICES (STRAPS , SCREWS , ETC) SUPPLIED BY EQUIP. MANUFACTURER. IF NO SUCH DEVICE IS SUPPLIED, BOND IS TO BE MADE WITH #4 AWG GREEN FOR 200 AMP. SERVICE AND #1/0 AWG GREEN FOR 400 AMP SERVICE.
4. WHEN SERVICE OVERCURRENT DISCONNECT IS FIELD INSTALLED , A TEMPORARY SERVICE BOND WILL BE INSTALLED FOR SAFETY PURPOSE
5. INSTALL SERVICE BOND JUMPER AT SERVICE DISCONNECT.
6. ALL CONDUCTORS SHALL BE TERMINATED WITH PROPERLY SIZED SOLDERLESS LUGS RATED FOR COPPER CABLE.
7. NOT MORE THAN TWO LUGS SHALL BE TERMINATED ON A TERMINAL.
8. CONNECT #2 AWG STRANDED TO GROUND BAR IN ITEM 1 AND RUN TO CELL REF. GROUND BAR (ITEM 29).



DC LIGHT WIRING

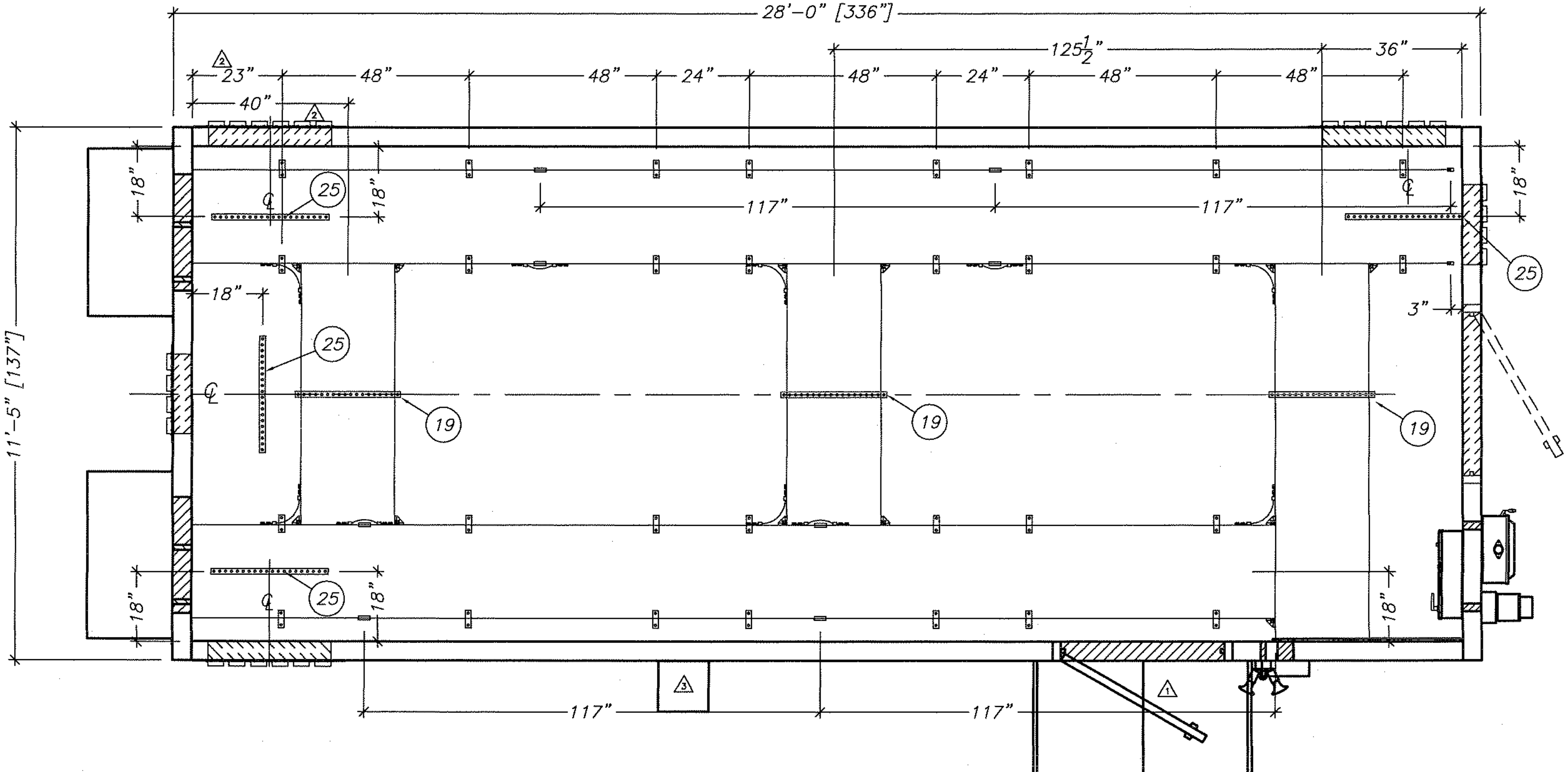


FRONT EXTERIOR VIEW
APPLETON RECEPTACLE - #AR-20044RS
PART OF ASSEMBLY - #AJA20044RS-200

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3	DD	07/13/06	DELETED LIGHTING SCHEDULE	DD	07/13/06		
2	CH	12/09/05	REVISED GEN. RECPTACLE; REV. LIGHTING SCHEDULE	JS	12/09/05	GS	12/14/05
1	CH	07/20/05	REMOVED EMERGENCY LIGHT FIXTURE DIAGRAM	MT	07/20/05		

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

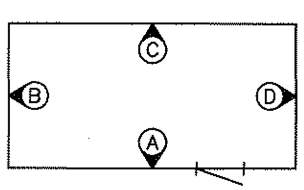
DRN. BY: SC	DATE: 06/14/05	CINGULAR
CHK. BY:	DATE:	11'-5" X 28'-0" EQUIPMENT SHELTER
APP. BY: MT	DATE: 06/30/05	ELECTRICAL SCHEMATIC #4
APP. BY: MG	DATE: 06/30/05	400 AMP SERVICE
ENG. BY:	DATE:	SCALE: NONE · SHEET NO.: 4-4 · B · DWG NO.: D-7668



CEILING VIEW

NOTES:

1. 24" CABLE RACK TO BE MOUNTED 96" A.F.F.
2. SEE BUILDING COVERSHEET FOR INSTALLED WAVEGUIDE LOCATION.



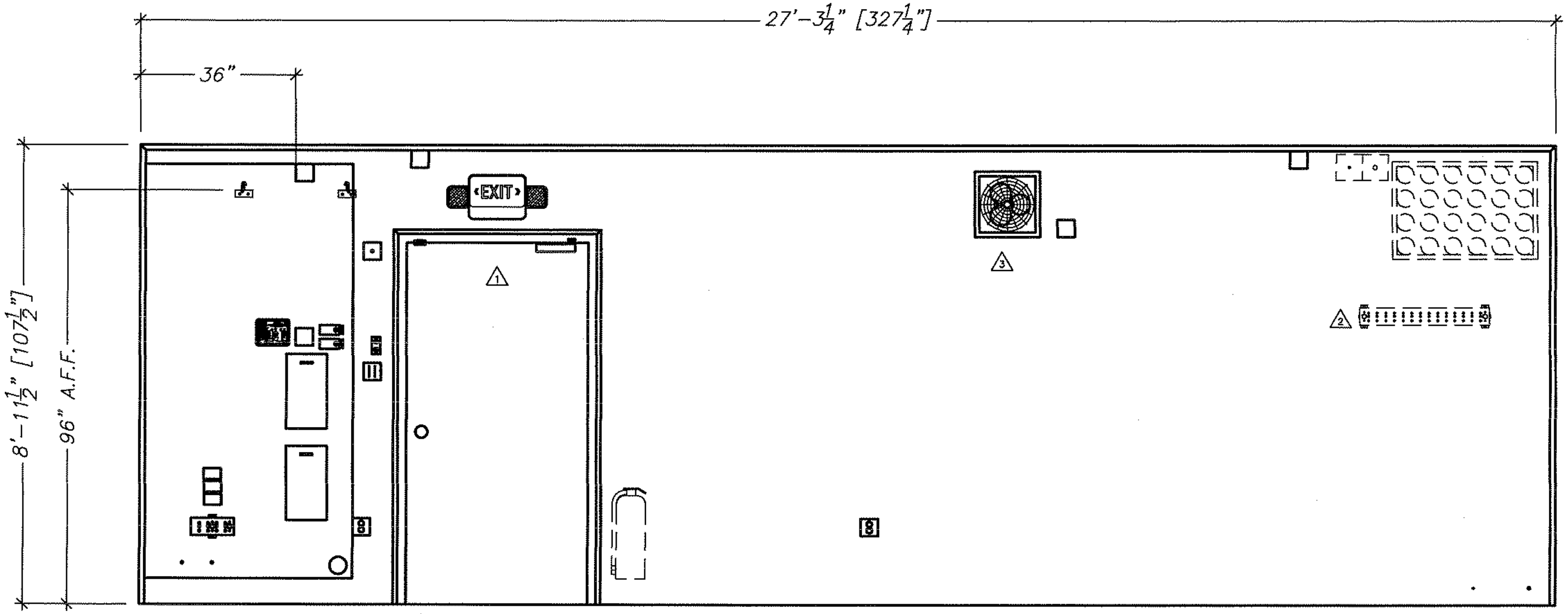
ELEVATION KEY

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3	DD	4/12/06	REMOVED EXTERIOR BUBBLES; ADDED VENT FAN				
2	CH	12/09/05	ADD OPTIONAL W.G. LOCATION; REV. UNISTRUT LAYOUT	JS	12/09/05	GS	12/14/05
1	CH	07/20/05	REV. LOCATION OF 3670 DOOR TO MATCH STRUCTS.	MT	07/20/05		

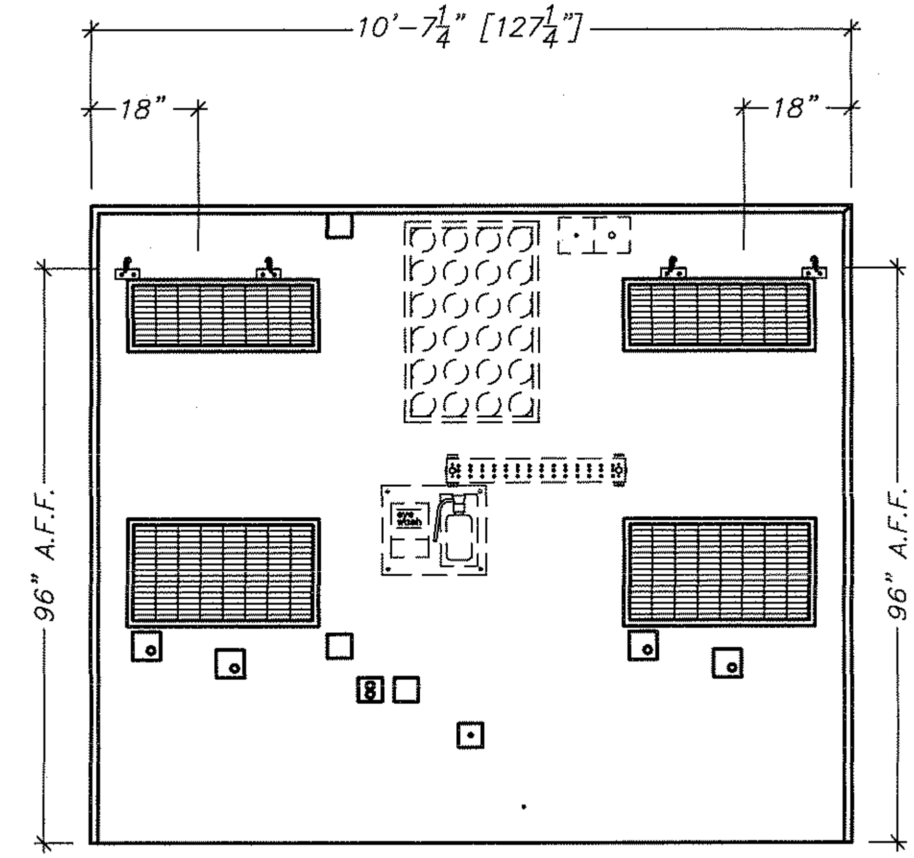
FIBREBOND CORPORATION

1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

DRN. BY: SC	DATE: 06/14/05	CINGULAR
CHK. BY:	DATE:	11'-5" X 28'-0" EQUIPMENT SHELTER
APP. BY: MT	DATE: 06/30/05	CABLE RACK CEILING VIEW
APP. BY: MG	DATE: 06/30/05	
ENG. BY:	DATE:	SCALE: 3/8"=1'-0" SHEET NO.: 7-1 B DWG NO.: D-7668

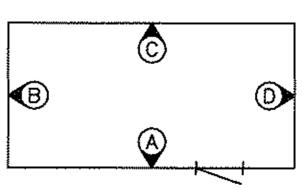


ELEVATION "A"



ELEVATION "B"

SEE BUILDING COVERSHEET FOR INSTALLED WAVEGUIDE LOCATION.



ELEVATION KEY

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4	DD	07/13/06	DELETED HINGES	DD	07/13/06		
3	DD	4/12/06	ADD. ALARM BLOCK, VENT FAN, MOVED TEMP.SENSORS				
2	CH	12/09/05	REVISED GROUND BAR HEIGHT ON ELEVATION "A"	JS	12/09/05	GS	12/14/05
1	CH	07/20/05	REV. LOCATION OF 3670 DOOR TO MATCH STRUCTS.	MT	07/20/05		

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

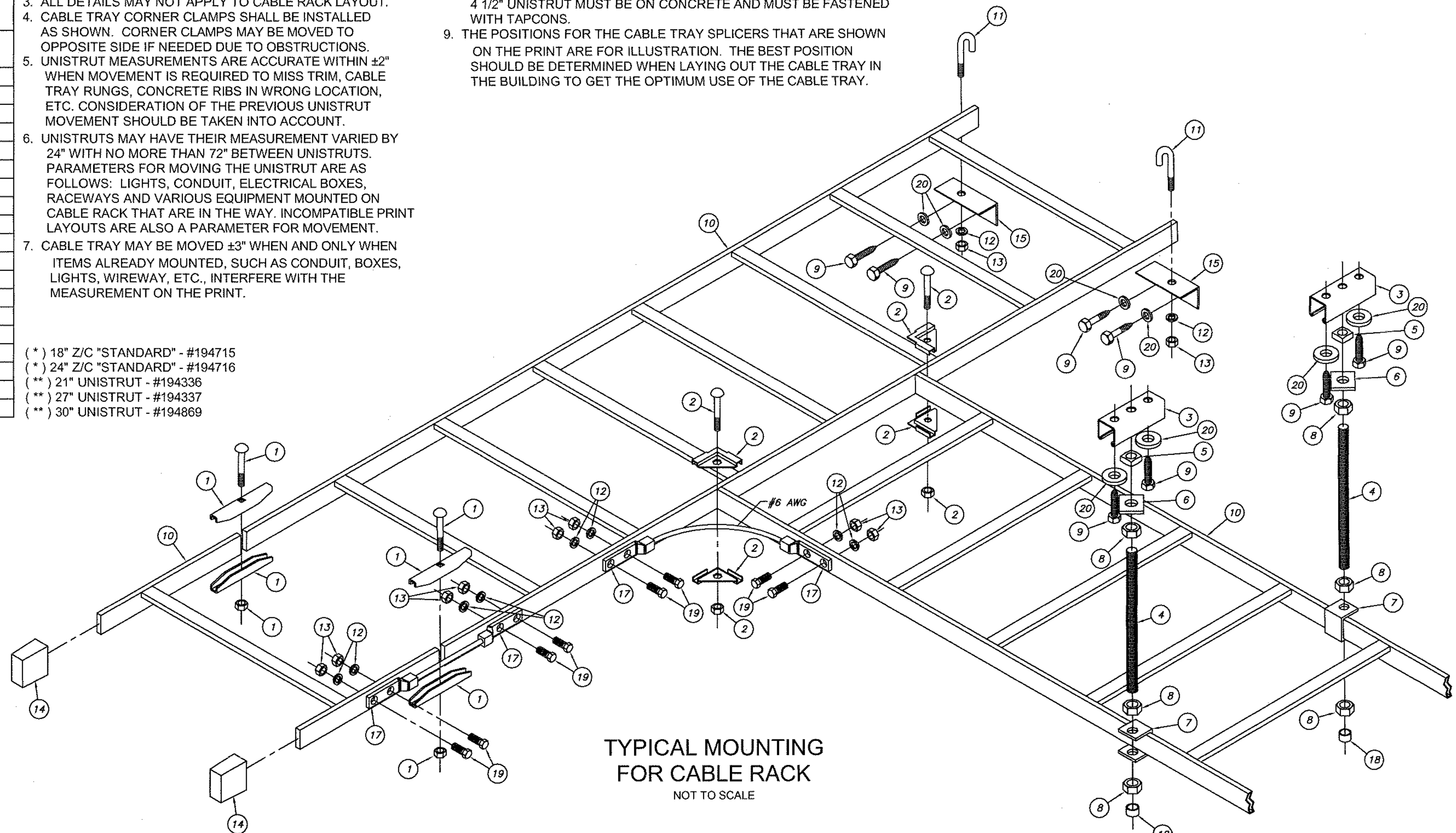
DRN. BY: SC	DATE: 06/14/05	CINGULAR
CHK. BY:	DATE:	11'-5" X 28'-0" EQUIPMENT SHELTER
APP. BY: MT	DATE: 06/30/05	CABLE RACK
APP. BY: MG	DATE: 06/30/05	ELEVATIONS "A" & "B"
ENG. BY:	DATE:	SCALE: 3/8"=1'-0" — SHEET NO.: 7-2 — B — DWG NO.: D-7668

MATERIAL LIST		
NO	DESCRIPTION	PART NO
1	SPLICE CLAMP BOLT NUT	11188.1
2	CORNER CLAMP BOLT	11189.1
3	4 1/2" KINDORF CHANNEL	194244
4	5/8" - 11 THREADED ROD	11635
5	SQUARE NUT - 5/8"	10205
6	SQUARE WASHER	11519
7	BRACKET	11178
8	NUT	11184
9	TAP CON	12910
10	* 12" Z/C "STANDARD" *	194713
11	J-BOLT	11175
12	LOCK WASHER	11507
13	NUT	11470
14	END CAPS	22705
15	1 3/4" x 1 3/4" x 1/8" x 4" ANGLE	192777
16	** 15" UNISTRUT **	194335
17	2-HOLE LUG W/ #6 WIRE	21023
18	PLASTIC PROTECTION CAP	22061
19	1/4" X 1" BOLT	11477
20	1/4" X 1" FENDER FLAT WASHER	11513
21	BRACKET, WALL CLIP- 7/16" HOLE	11963

NOTES:

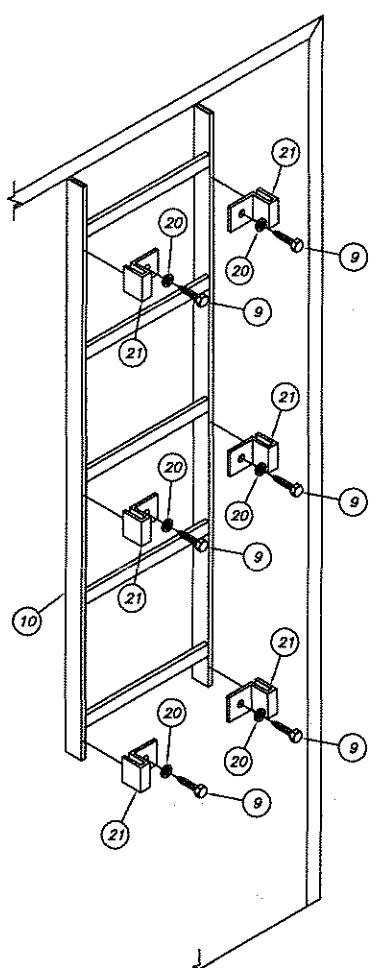
1. ALL CABLE TRAY MEASUREMENTS ARE ACCURATE WITHIN ± 1/4".
2. BOTTOM OF CABLE RACK TO BE MOUNTED 96" A.F.F.
3. ALL DETAILS MAY NOT APPLY TO CABLE RACK LAYOUT.
4. CABLE TRAY CORNER CLAMPS SHALL BE INSTALLED AS SHOWN. CORNER CLAMPS MAY BE MOVED TO OPPOSITE SIDE IF NEEDED DUE TO OBSTRUCTIONS.
5. UNISTRUT MEASUREMENTS ARE ACCURATE WITHIN ±2" WHEN MOVEMENT IS REQUIRED TO MISS TRIM, CABLE TRAY RUNGS, CONCRETE RIBS IN WRONG LOCATION, ETC. CONSIDERATION OF THE PREVIOUS UNISTRUT MOVEMENT SHOULD BE TAKEN INTO ACCOUNT.
6. UNISTRUTS MAY HAVE THEIR MEASUREMENT VARIED BY 24" WITH NO MORE THAN 72" BETWEEN UNISTRUTS. PARAMETERS FOR MOVING THE UNISTRUT ARE AS FOLLOWS: LIGHTS, CONDUIT, ELECTRICAL BOXES, RACEWAYS AND VARIOUS EQUIPMENT MOUNTED ON CABLE RACK THAT ARE IN THE WAY. INCOMPATIBLE PRINT LAYOUTS ARE ALSO A PARAMETER FOR MOVEMENT.
7. CABLE TRAY MAY BE MOVED ±3" WHEN AND ONLY WHEN ITEMS ALREADY MOUNTED, SUCH AS CONDUIT, BOXES, LIGHTS, WIREWAY, ETC., INTERFERE WITH THE MEASUREMENT ON THE PRINT.
8. WHEN THE UNISTRUT FOR THE CABLE TRAY IS NOT ON CONCRETE, A #12 WOOD SCREW CAN BE USED TO FASTEN THE UNISTRUT TO THE CEILING USING EVERY OTHER HOLE IN THE UNISTRUT. THE 4 1/2" UNISTRUT MUST BE ON CONCRETE AND MUST BE FASTENED WITH TAPCONS.
9. THE POSITIONS FOR THE CABLE TRAY SPLICERS THAT ARE SHOWN ON THE PRINT ARE FOR ILLUSTRATION. THE BEST POSITION SHOULD BE DETERMINED WHEN LAYING OUT THE CABLE TRAY IN THE BUILDING TO GET THE OPTIMUM USE OF THE CABLE TRAY.

(*) 18" Z/C "STANDARD" - #194715
(*) 24" Z/C "STANDARD" - #194716
(**) 21" UNISTRUT - #194336
(**) 27" UNISTRUT - #194337
(**) 30" UNISTRUT - #194869



TYPICAL MOUNTING FOR CABLE RACK

NOT TO SCALE



TYPICAL MOUNTING FOR CABLE RACK ON THE WALL

NOT TO SCALE

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3							
2							
1							

FIBREBOND CORPORATION

1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

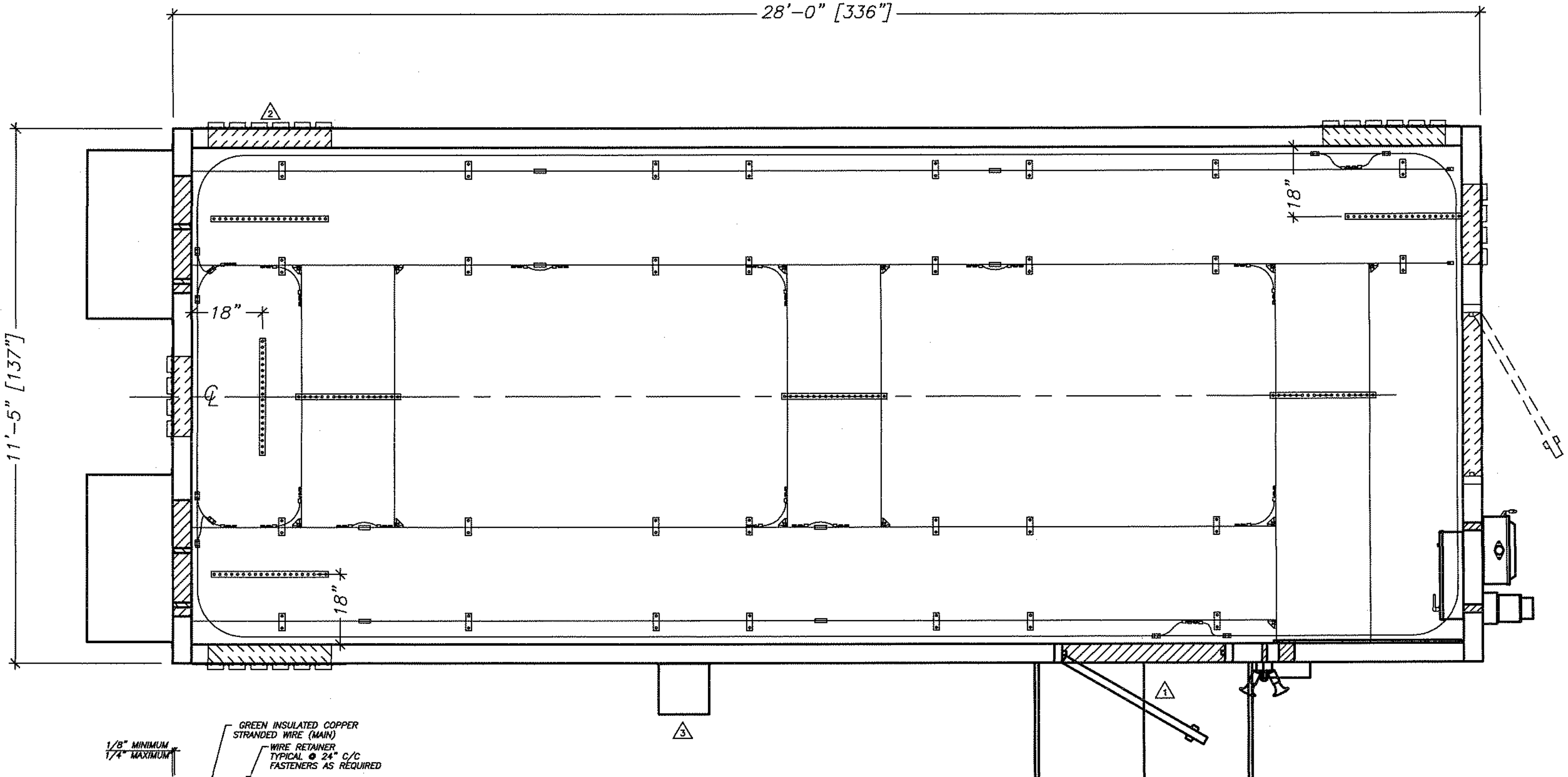
DRN. BY: SC	DATE: 06/14/05	CINGULAR
CHK. BY:	DATE:	11'-5" X 28'-0" EQUIPMENT SHELTER
APP. BY: MT	DATE: 06/30/05	CABLE RACK MOUNTING
APP. BY: MG	DATE: 06/30/05	DETAILS & MATERIAL LIST
ENG. BY:	DATE:	SCALE: NONE — SHEET NO.: 7-3 — B — DWG NO.: D-7668

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. 1/2" PVC PIPE SCH. 40. DRILL AT 45° ANGLE.
6. MOUNT EXTERIOR AND INTERIOR GROUND BAR BENEATH COAX ENTRY.
7. GROUND CABLE TRAY AS SHOWN WITH #6 STRANDED GREEN COPPER CONDUCTOR AND 2-HOLE LUG.
8. GROUNDING OF CONDUIT TO HALO SHOULD NOT EXCEED 3 CONDUITS PER CONNECTION.
9. CONNECT CABLE RACK TO HALO GROUND WITH #2 AWG GREEN CONDUCTOR AND 2-HOLE LUG.
10. CONNECT #2 AWG GREEN TO GROUND BAR IN ITEM (1) AND CONNECT TO CELL REF. GROUND BAR (29).
11. CONNECT TELCO GROUND BAR TO CELL REF. GRND BAR (29). WITH #2 AWG GREEN.
12. MOUNT T1 ARRESTORS (55) TO TELCO BOARD DIRECTLY ABOVE TELCO GROUND BAR (30). USE #6 STRANDED GREEN COPPER CONDUCTOR & 1-HOLE LUG, STRAIGHT RUNS.
13. ALL GROUND CONNECTIONS TO THE HALO TO BE NON-DIRECTIONAL. SEE DETAIL 1.
14. CONDUCTORS TO BE INSTALLED AFTER WAVEGUIDE ENTRY HAS BEEN INSTALLED. USE PLASTIC WIRE CLIPS TO WALL. RUN CONDUCTORS WHERE POSSIBLE AT 96" ABOVE FINISHED FLOOR.
15. EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN & DESTINATION. TAGS WILL BE INSTALLED AT THE INSTAL CENTER OR AT FINAL PUNCH.
16. EACH GROUND BAR TO BE LABELED.
17. INSTALL GROUND BAR UNDER INSTALLED WAVEGUIDE. ALL GROUNDING SHALL BE TYPICAL OF LOCATION SHOWN.
18. BOND ALL BOXES LARGER THAN 4" X 4" TO THE HALO GROUND.
19. BOND ALL METAL OBJECTS, INCLUDING CABLE TRAY TO THE BARE TINNED SOLID #2 CORNER DOWN LEADS AS IT PASSES WITH 6" OF THE ITEM.

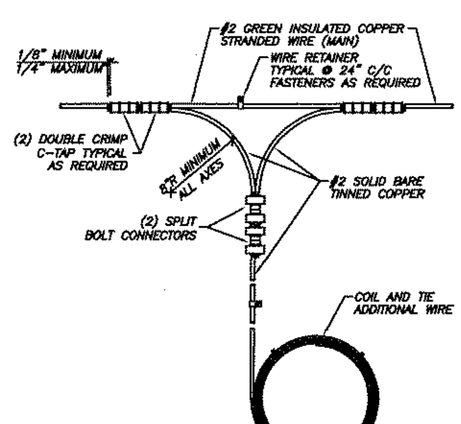
KEY:

- = SPLIT BOLT CONNECTOR
- = 1/2" WIRE RETAINER HARNESS PANDUIT #RER5-66-6 ON 2'-0" CENTERS
- = DOUBLE CRIMP C-TAP
- = WIRECLIP

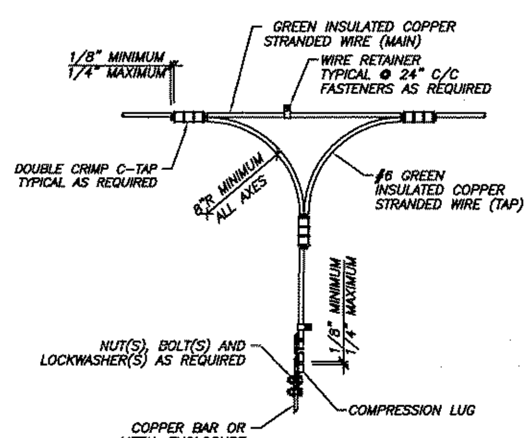


CEILING VIEW

SEE BUILDING COVERSHEET FOR INSTALLED WAVEGUIDE LOCATION.



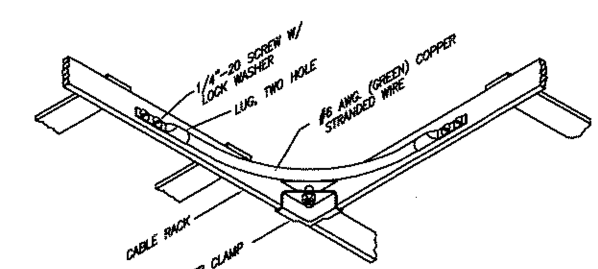
TYPICAL HALO GROUND GROUND CORNER DETAIL 2



TYPICAL HALO GROUND DROP DETAIL 1

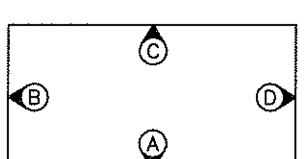
SCALE: N.T.S.

GROUNDING LUG CHART			
FB #	WIRE SIZE	HOLES	HOLE SPACING
12673	#2	(2) 5/16"ø	5/8"
21380	#4	(2) 5/16"ø	5/8"
21023	#6	(2) 5/16"ø	5/8"
21024	#2	(2) 7/16"ø	1"
11703	#4	(2) 7/16"ø	1"
22172	#6	(2) 7/16"ø	1"
20626	2/0	(2) 7/16"ø	1"



DETAIL 3

#2 AWG STRANDED TO CABLE RACK (ALSO TYPICAL FOR SPLICE CLAMPS)

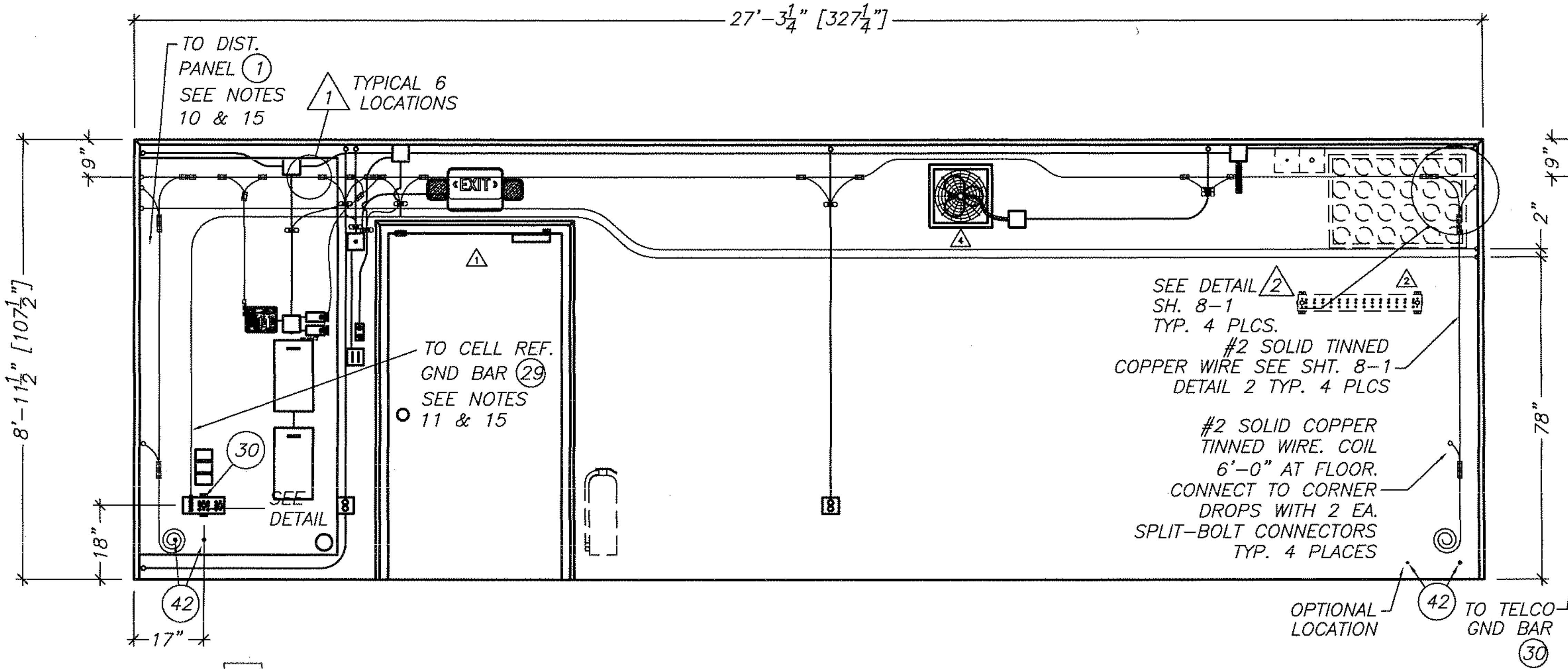


ELEVATION KEY

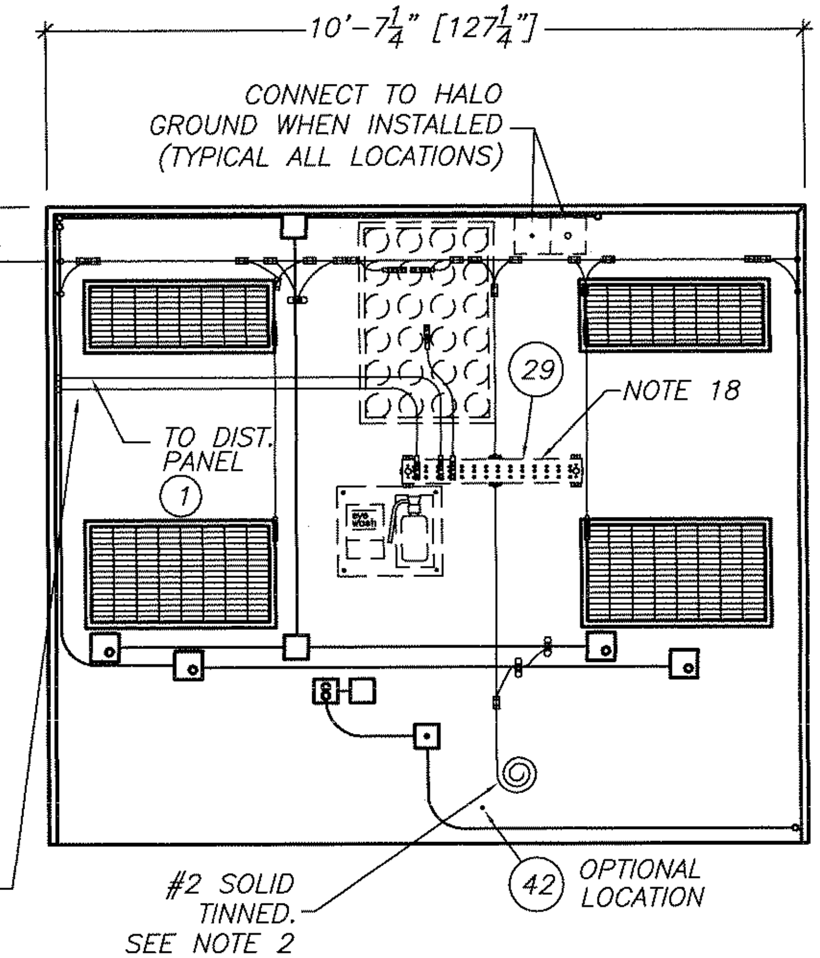
REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3	DD	4/12/06	REMOVED EXTERIOR BUBBLES, ADDED VENT FAN	[illegible]	[illegible]		
2	CH	12/09/05	ADDED OPTIONAL W.G. PORT ON EL. C	JS	12/09/05	GS	12/14/05
1	CH	07/20/05	REV. LOCATION OF 3670 DOOR TO MATCH STRUCTS.	MT	07/20/05		

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

DRN. BY: SC	DATE: 06/14/05	CINGULAR
CHK. BY:	DATE:	11'-5" X 28'-0" EQUIPMENT SHELTER
APP. BY: MT	DATE: 06/30/05	HALO GROUND CEILING VIEW
APP. BY: MG	DATE: 06/30/05	
ENG. BY:	DATE:	SCALE: 3/8"=1'-0" · SHEET NO.: 8-1 · B · DWG NO.: D-7668

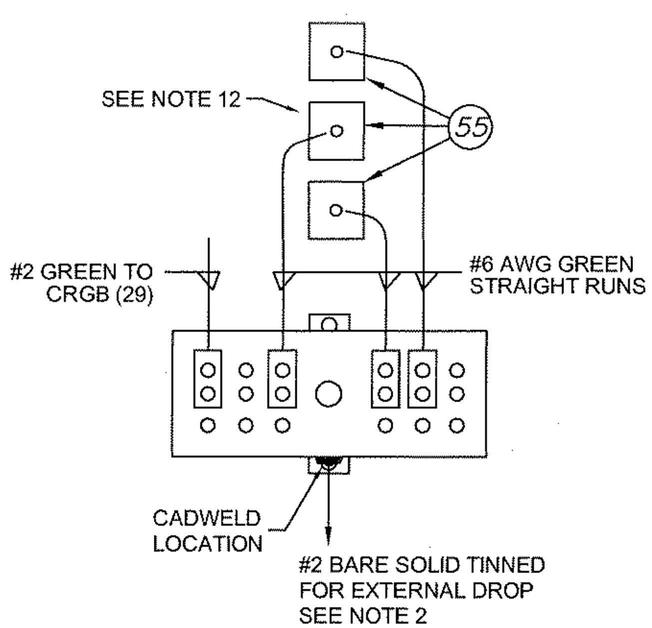


ELEVATION "A"

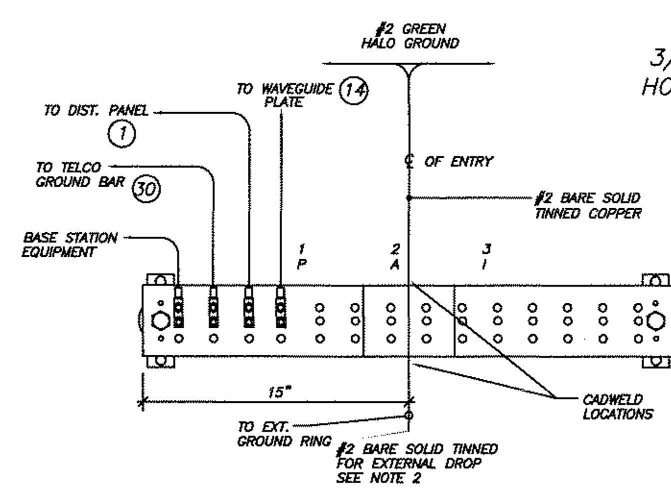


SEE BUILDING COVERSHEET FOR INSTALLED WAVEGUIDE LOCATION.

ELEVATION "B"

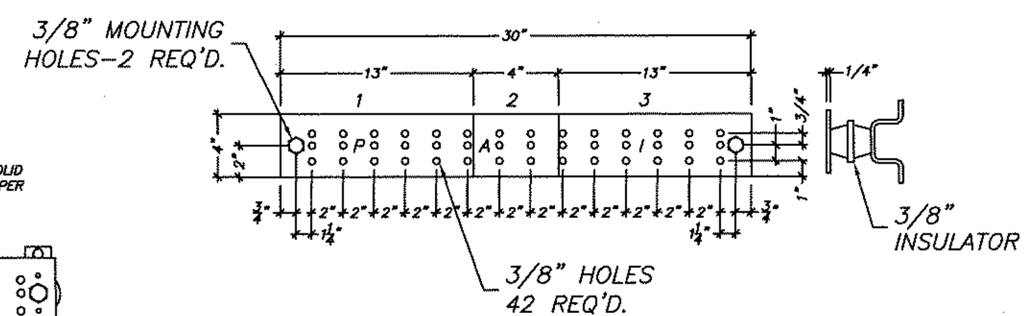


TELCO GROUND BAR CONNECTIONS 30



CELL REFERENCE GROUND BAR CONNECTIONS 29

NOTE: DIVIDE GROUND BAR SURFACE IN THREE SECTIONS AND MARK EACH AREA RESPECTIVELY WITH 1" HIGH LETTERS P, A, & I

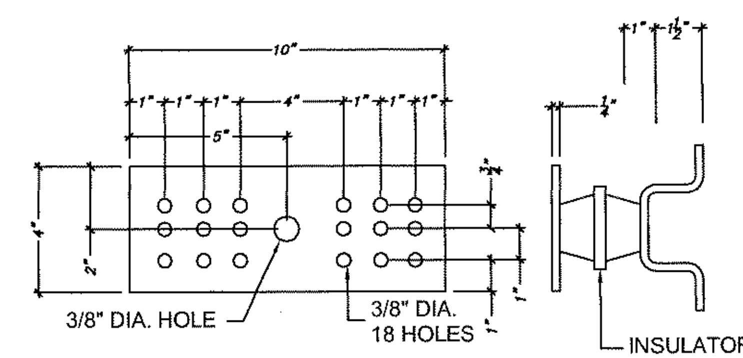


CELL REFERENCE GROUND BAR 29

"CRGB"

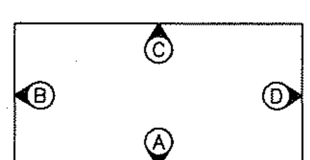
FB# 194344

FOR NOTES, SEE SH. 8-1



TELCO COPPER GROUND BAR 30

FB# 194343



ELEVATION KEY

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5	DD	07/13/06	DELETED SWITCH @ EXT. LIGHT	DD	07/13/06		
4	DD	4/12/06	ADD. ALARM BLOCK, VENT FAN, MOVED TEMP.SENSORS				
3	CH	12/15/05	ADDED CONDUIT RUN FROM L.S. TO J.B EL. A	DD	12/16/05	GS	12/20/05
2	CH	12/09/05	REVISED GROUNDBAR HEIGHT ON ELEVATION "A"	JS	12/09/05	GS	12/14/05
1	CH	07/20/05	REV. LOCATION OF 3670 DOOR TO MATCH STRUCTS.	MT	07/20/05		

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

DRN. BY: SC	DATE: 06/14/05
CHK. BY:	DATE:
APP. BY: MT	DATE: 06/30/05
APP. BY: MG	DATE: 06/30/05
ENG. BY:	DATE:

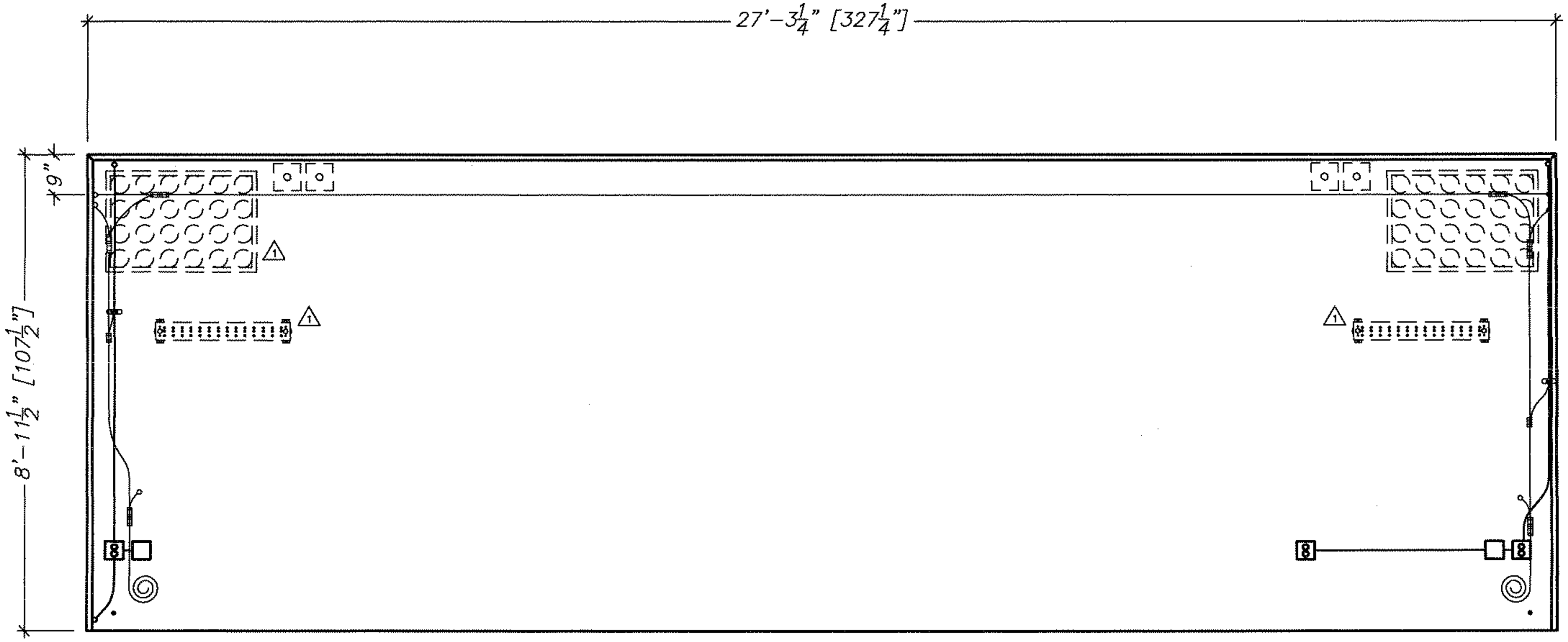
CINGULAR

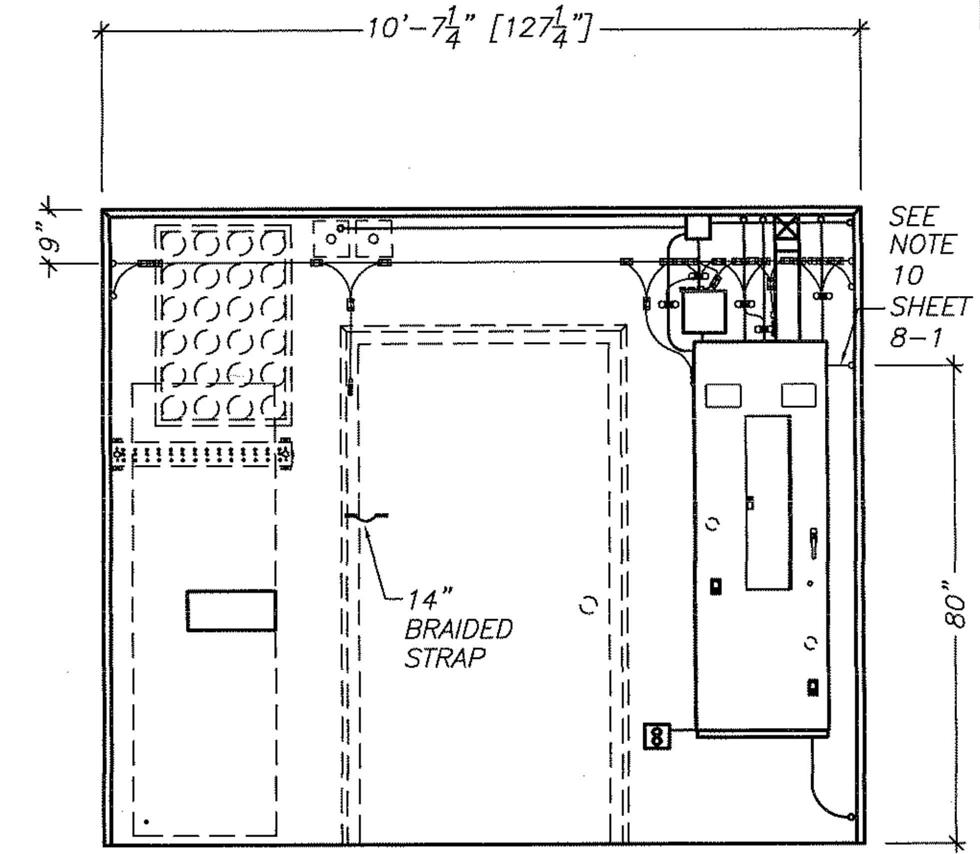
11'-5" X 28'-0" EQUIPMENT SHELTER

HALO GROUND

ELEVATIONS "A" & "B"

SCALE: 3/8"=1'-0" | SHEET NO.: 8-2 | B | DWG NO.: D-7668



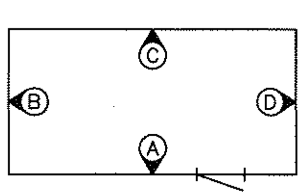


FOR NOTES, SEE SH. 8-1

ELEVATION "C"

SEE BUILDING COVERSHEET FOR INSTALLED WAVEGUIDE LOCATION.

ELEVATION "D"



ELEVATION KEY

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3							
2							
1	CH	12/09/05	ADDED OPTIONAL W.G. PORT EL. C; REV. G.B. HEIGHT	JS	12/09/05	GS	12/14/05

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

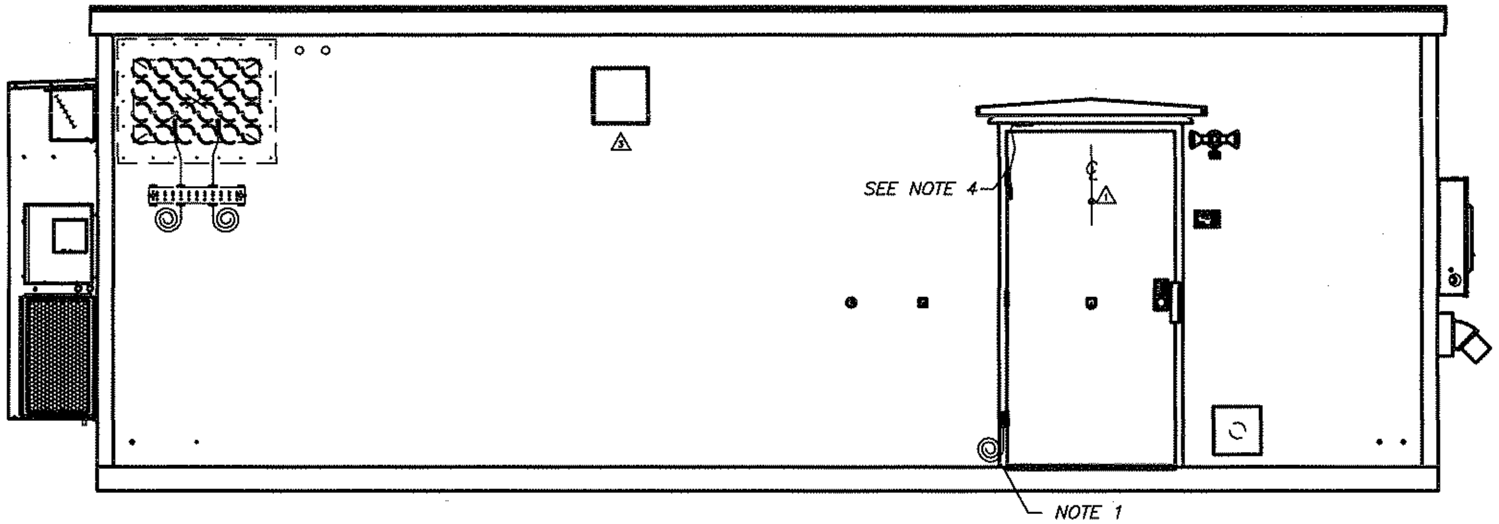
DRN. BY: SC	DATE: 06/14/05
CHK. BY:	DATE:
APP. BY: MT	DATE: 06/30/05
APP. BY: MG	DATE: 06/30/05
ENG. BY:	DATE:

CINGULAR

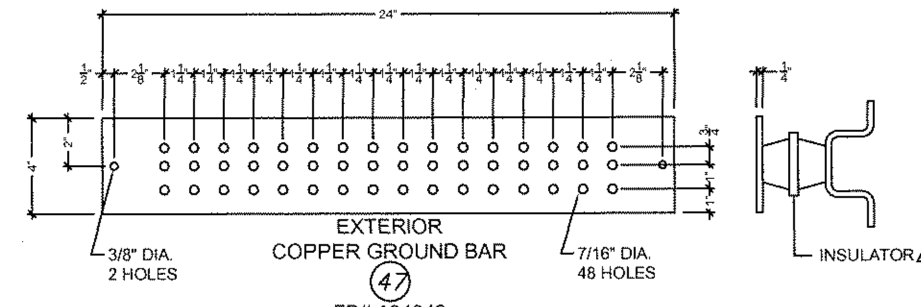
11'-5" X 28'-0" EQUIPMENT SHELTER

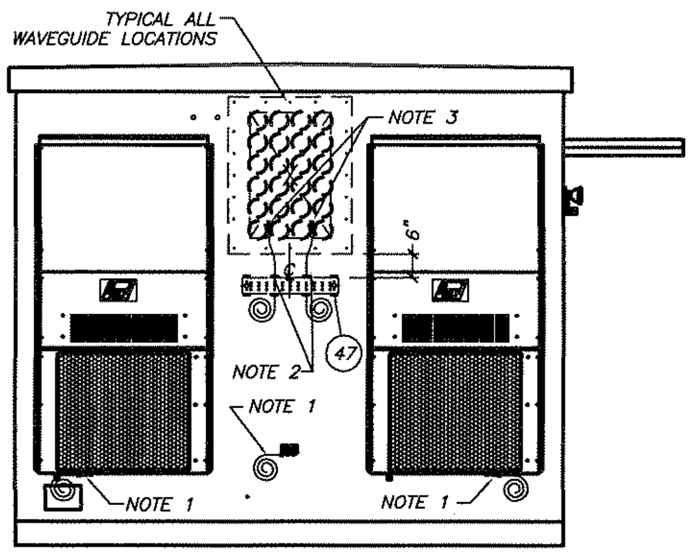
HALO GROUND ELEVATIONS "C" & "D"

SCALE:	SHEET NO.:		DWG NO.:
3/8"=1'-0"	8-3	B	D-7668

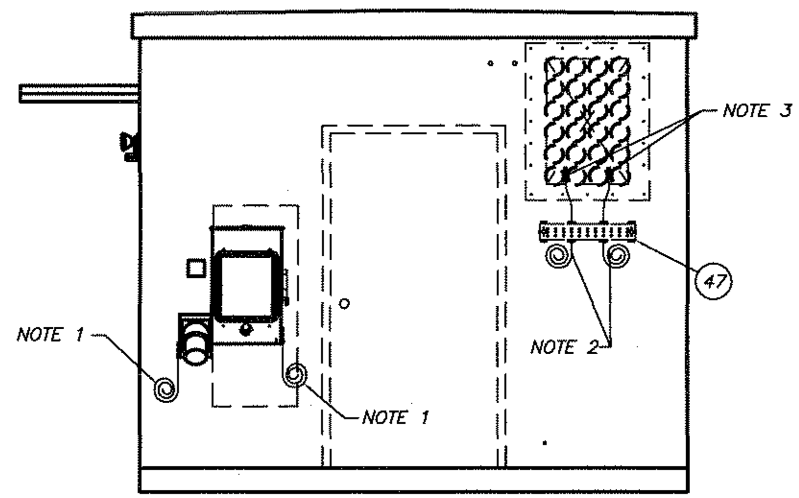


ELEVATION "A"





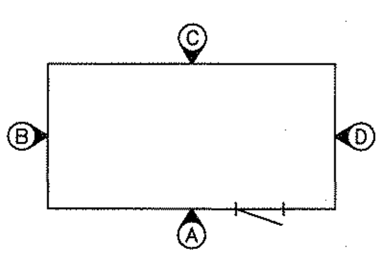
ELEVATION "B"



ELEVATION "D"

NOTES:

1. CONNECT #2 SOLID TINNED WITH TWO-BOLT HOLE LUG. PULL TO GROUND AND COIL 8'-0" SPARE. (NON-COMPRESSION TYPE LUG W/ 1 SET SCREW)
2. CADWELD #2 SOLID TINNED. COIL 12'-0" SPARE.
3. CONNECT #2 SOLID TINNED TO WAVEGUIDE W/ TWO-BOLT HOLE LUG. CADWELD TO GROUND BAR. (NON-COMPRESSION TYPE LUG W/ 1 SET SCREW)
4. CONNECT #2 SOLID TINNED WITH TWO-BOLT HOLE LUG. TO DOOR FRAME AND CANOPY. (NON-COMPRESSION TYPE LUG W/ 1 SET SCREW)
5. SEE BUILDING COVERSHEET FOR INSTALLED WAVEGUIDE LOCATION.



ELEVATION KEY

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3	DD	4/12/06	ADDED VENT FAN	[illegible]	7-2006		
2	CH	12/09/05	REVISED TO INSULATOR FOR GROUND BAR	JS	12/09/05	GS	12/14/05
1	CH	07/20/05	REV. LOCATION OF 3670 DOOR TO MATCH STRUCTS.	MT	07/20/05		

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

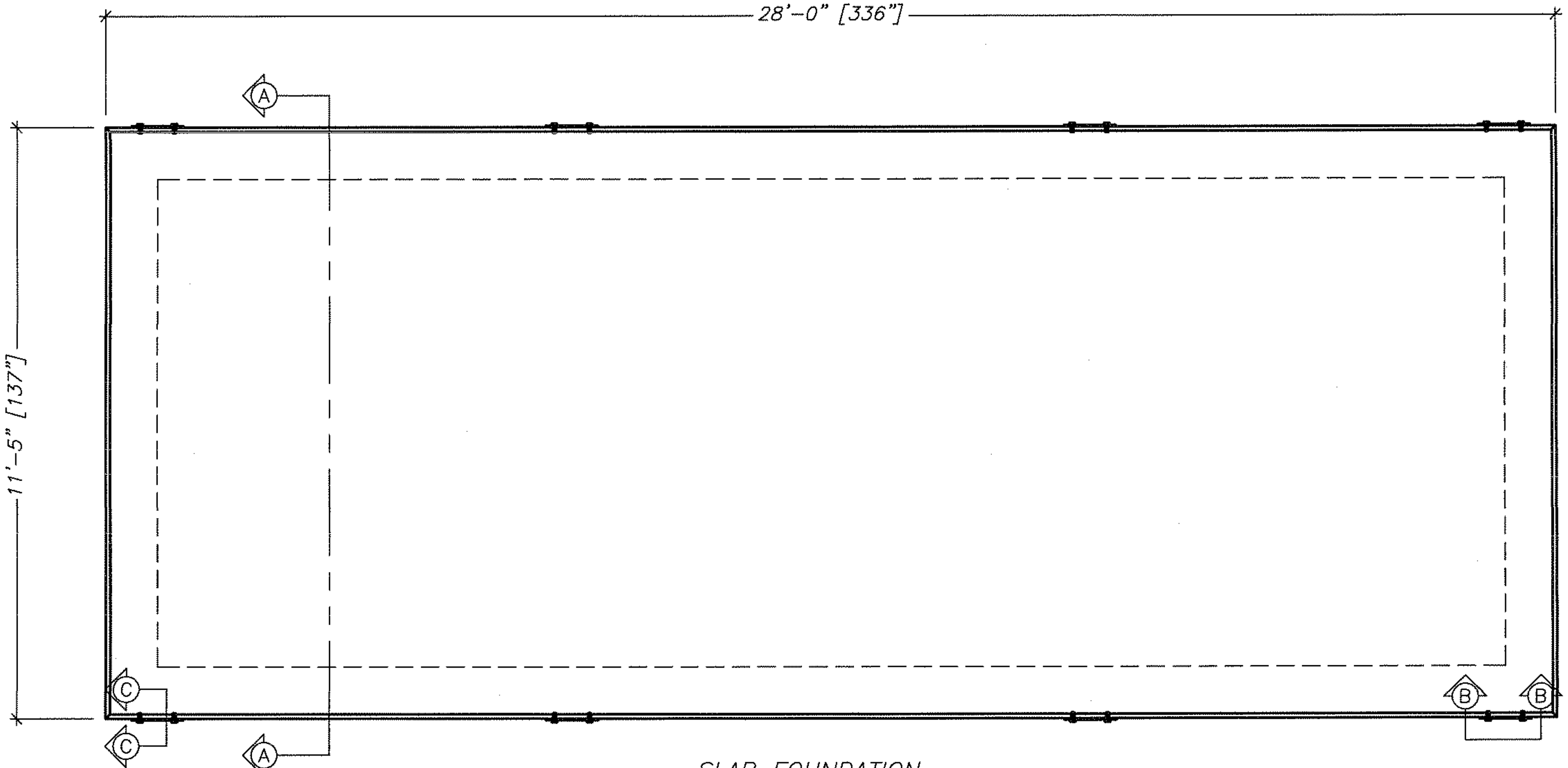
DRN. BY: SC	DATE: 06/14/05
CHK. BY:	DATE:
APP. BY: MT	DATE: 06/30/05
APP. BY: MG	DATE: 06/30/05
ENG. BY:	DATE:

CINGULAR

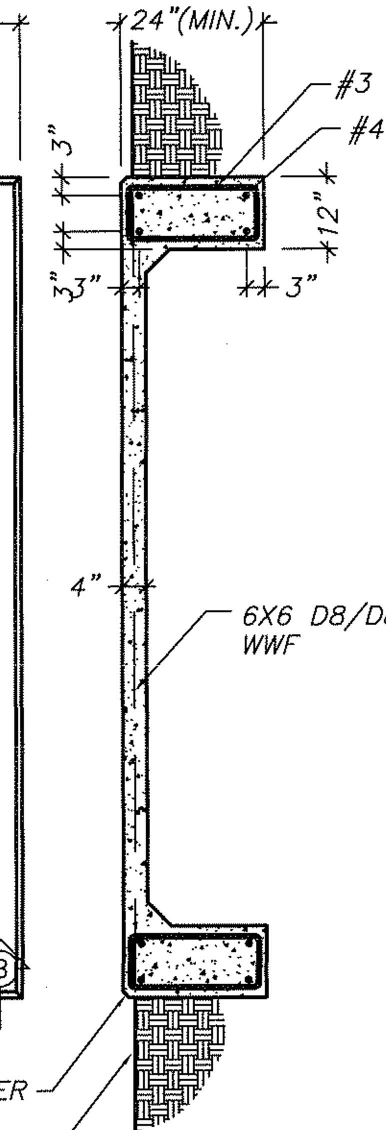
11'-5" X 28'-0" EQUIPMENT SHELTER

HALO GROUND EXTERIOR ELEVATIONS "A", "B" & "D"

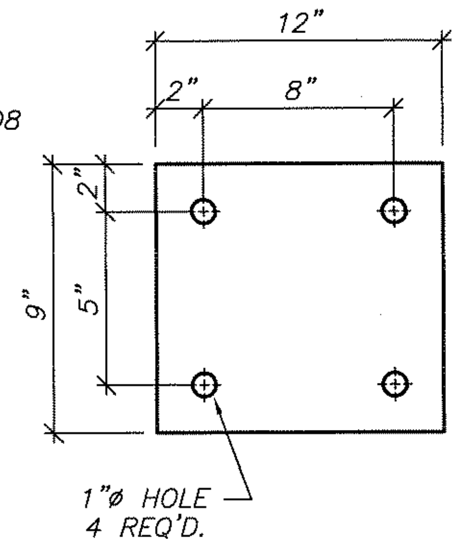
SCALE: 1/4"=1'-0" | SHEET NO.: 8-4 | B | DWG NO.: D-7668



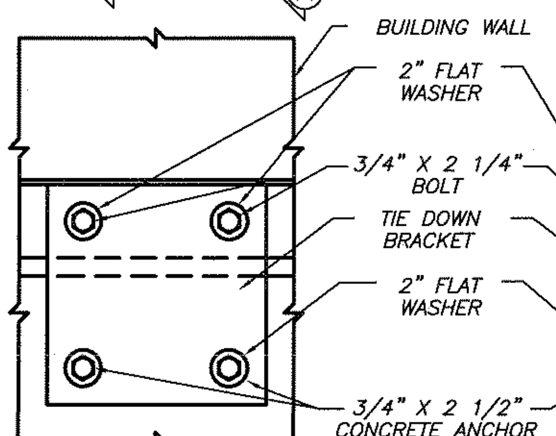
SLAB FOUNDATION
SCALE: 3/8"=1'-0"



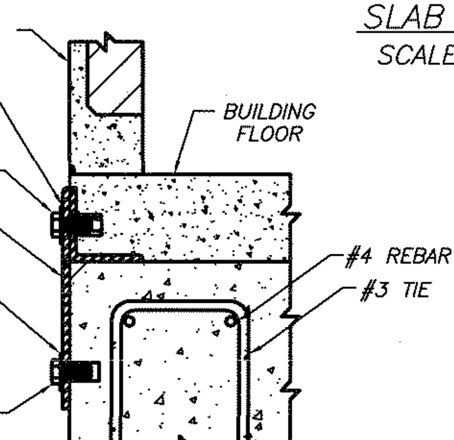
SECTION "A-A"



TIE DOWN PLATE
RAW MATERIAL
3/8" PLATE
SCALE: N.T.S.



SECTION "B-B"
N.T.S.



SECTION "C-C"
N.T.S.

NOTES:

1. SLAB TO BE LEVEL ±1/4".
2. FOOTING TO EXTEND A MINIMUM OF 24" BELOW UNDISTURBED SOIL AND FROST LINE.
3. FINAL SITE DESIGN IS THE RESPONSIBILITY OF THE SITE CONTRACTOR.
4. SLAB FOUNDATION DESIGNED ASSUMING ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF.
5. SLAB FOUNDATION DESIGNED ASSUMING MAXIMUM SOIL PLASTICITY INDEX OF 27.
6. CONCRETE STRENGTH SHALL BE A MINIMUM OF 3000 PSI.

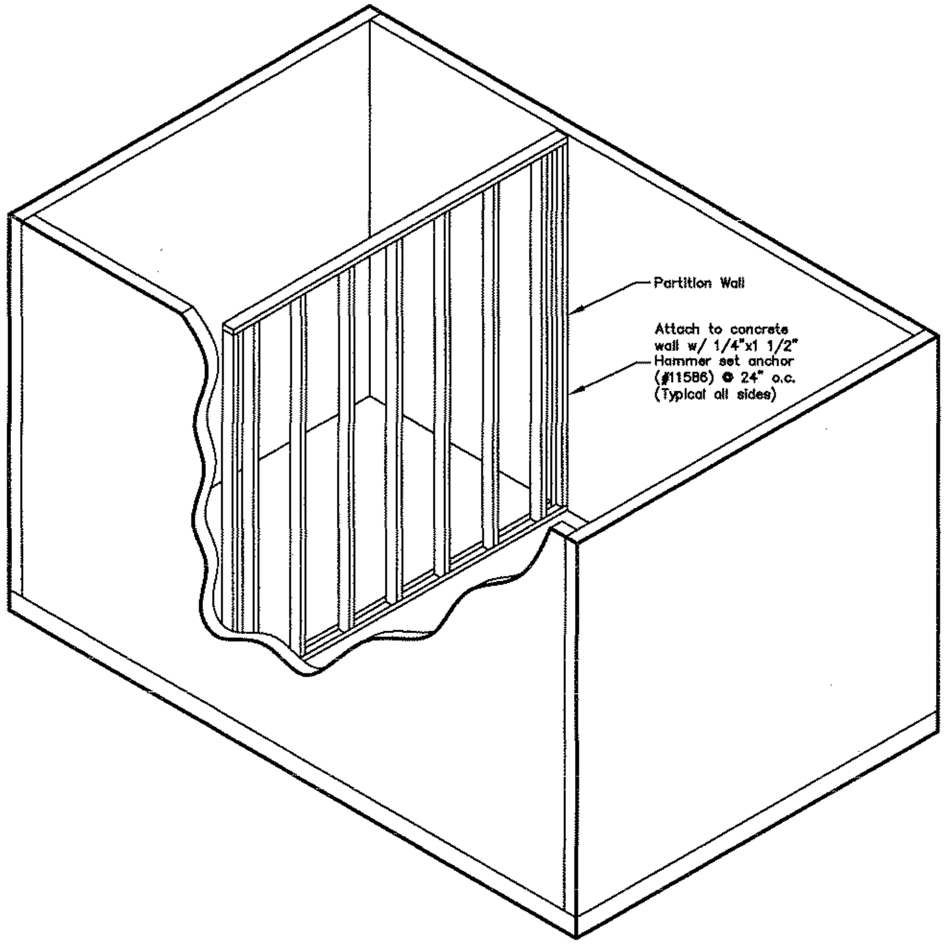
REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3							
2							
1							

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

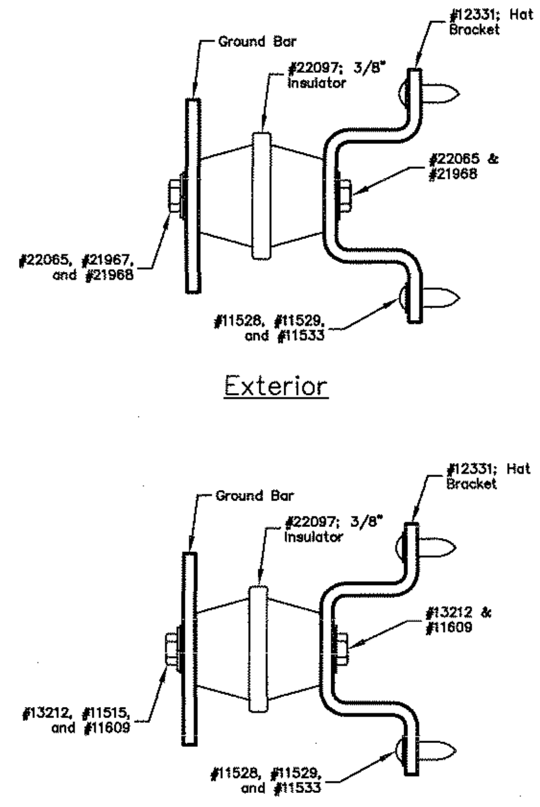
DRN. BY: SC	DATE: 06/14/05
CHK. BY:	DATE:
APP. BY: MT	DATE: 06/30/05
APP. BY: MG	DATE: 06/30/05
ENG. BY:	DATE:

CINGULAR
11'-5" X 28'-0" EQUIPMENT SHELTER
FOUNDATION PLAN

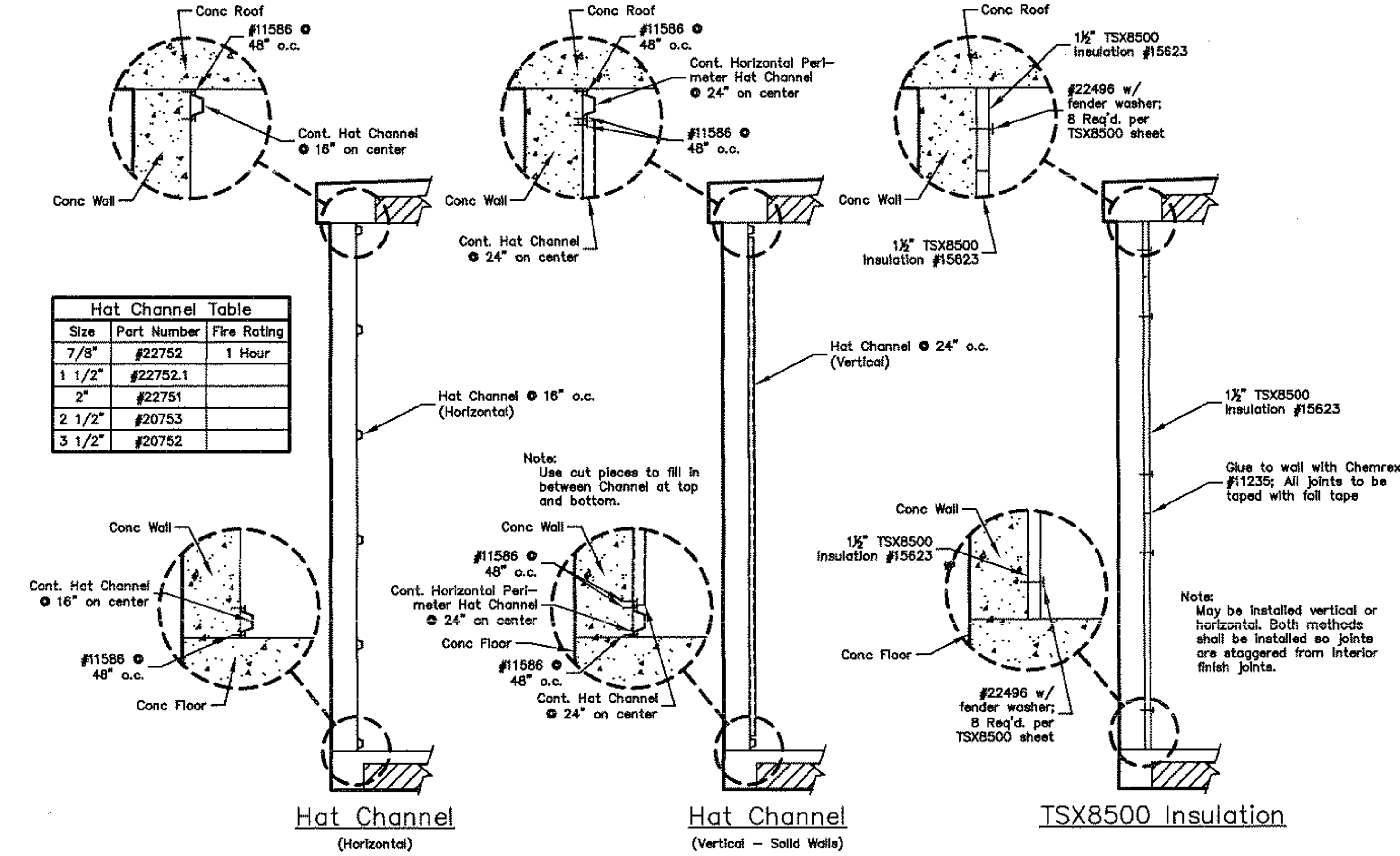
SCALE:	SHEET NO.:		DWG NO.:
NOTED	9	B	D-7668



PARTITION WALL PROCEDURES

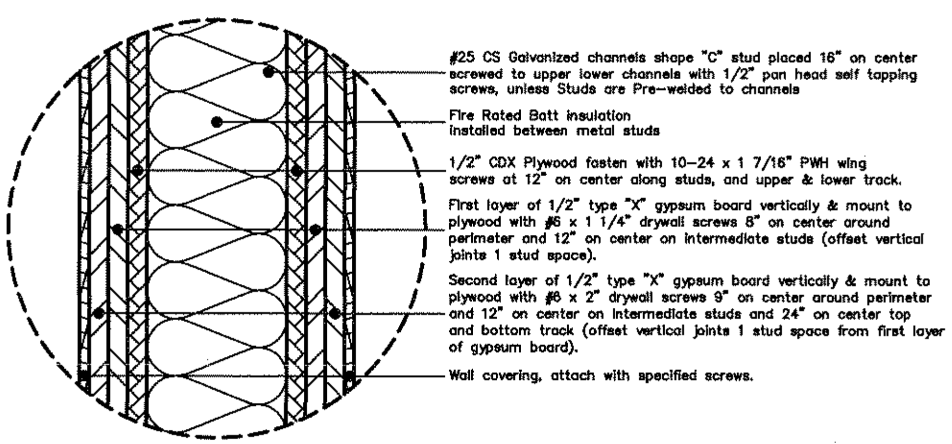


GROUND BAR MOUNTING PROCEDURES

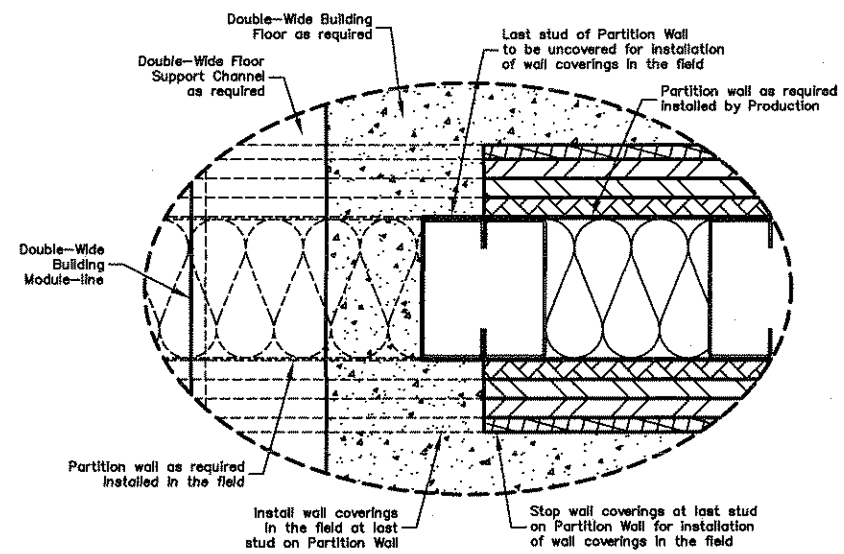


Hat Channel Table		
Size	Part Number	Fire Rating
7/8"	#22752	1 Hour
1 1/2"	#22752.1	
2"	#22751	
2 1/2"	#20753	
3 1/2"	#20752	

FURR OUT WALL ATTACHMENT PROCEDURES



2 HOUR FIRE-RATED PARTITION WALL PROCEDURES



DOUBLE WIDE PARTITION WALL PROCEDURES

General Notes:

1. For Waveguides, Door Canopy, and Exterior Vent Hood installations, use 1/4" x 1 5/8" Hilti HPS Impact anchors, #22496.
2. HVAC mounting, use 5/16" x 1 1/2" sleeve anchors, #11135.
3. All interior boxes, panels, straps, etc. shall use #10848 screws. Large boxes and lights need to have washer #11513 with screw.
4. For exterior boxes, use #11528, #11529, and #11533 for anchors.
5. On furred walls using hat channel, sheetrock and FRP shall be fastened at perimeter at 12" o.c. using screws. On furred walls using TSX8500 insulation attach 3/8" Nupoly to wall over TSX8500 insulation with 3/16"x3 1/4" PNF tapcons #12917. Use Chemrex #11235 glue on 3/8" Nupoly.
6. On Concrete walls, mount sheetrock 16" o.c. using 3/16"x1 1/2" HPS anchors, #15111. Mount FRP over sheetrock using 1 1/2" coil nails, #11841 12" o.c. for Light Weight Bldgs. For C2 Bldgs., use 1/4"x2 1/16" HPS anchors, #11501.

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3							
2							
1							

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

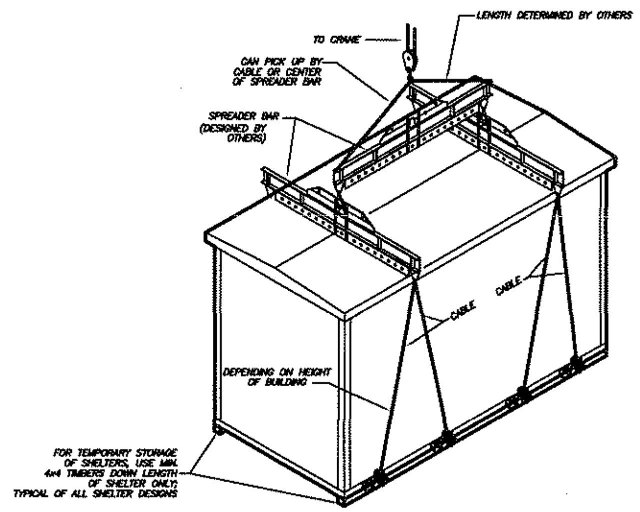
DRN. BY: SC	DATE: 06/14/05
CHK. BY:	DATE:
APP. BY: MT	DATE: 06/30/05
APP. BY: MG	DATE: 06/30/05
ENG. BY:	DATE:

CINGULAR

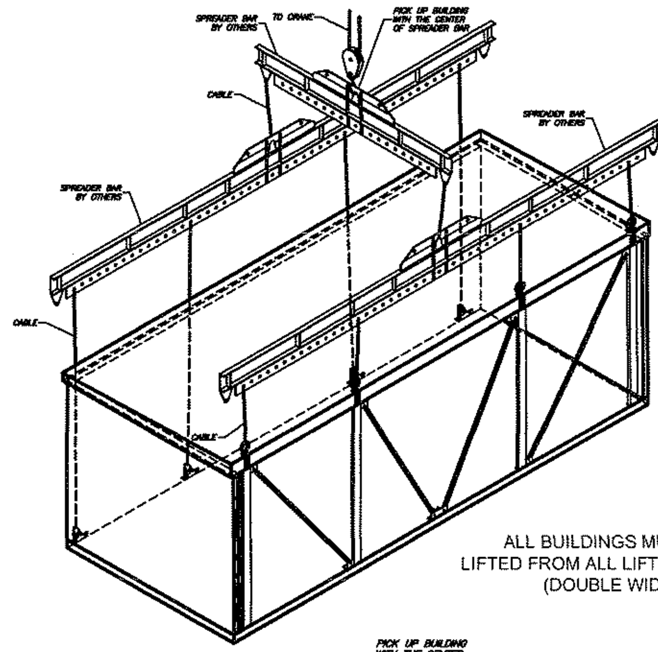
11'-5" X 28'-0" EQUIPMENT SHELTER

MISC. INTERIOR DETAILS

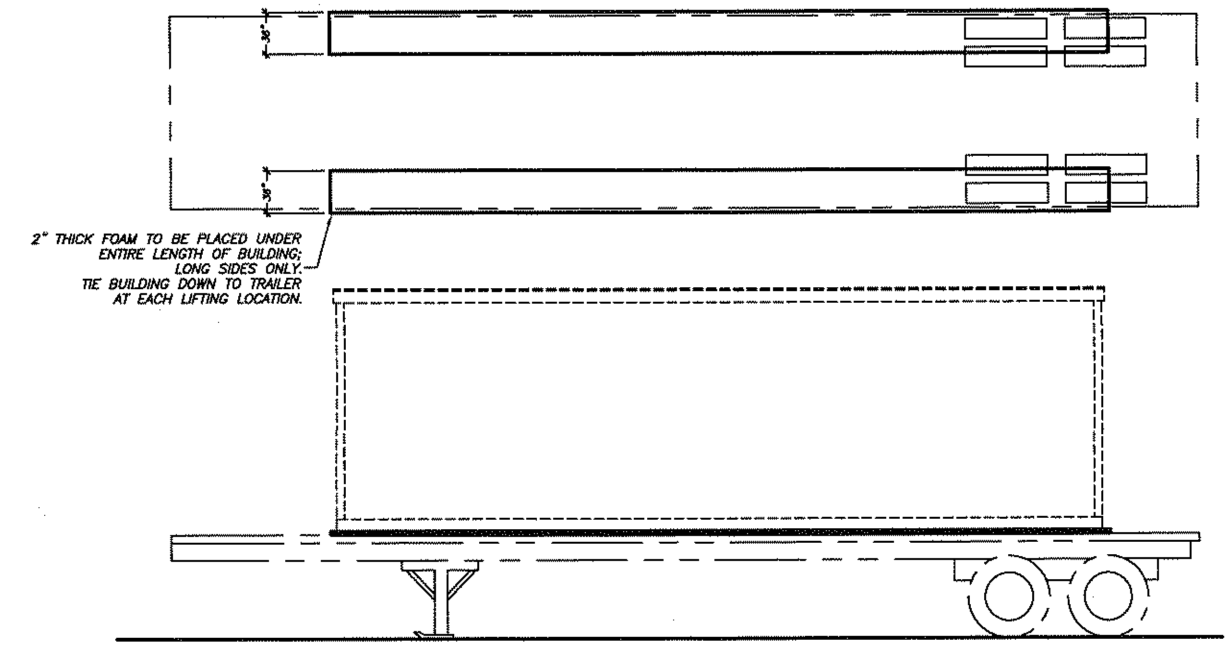
SCALE:	SHEET NO.:		DWG NO.:
NONE	10-1	B	D-7668

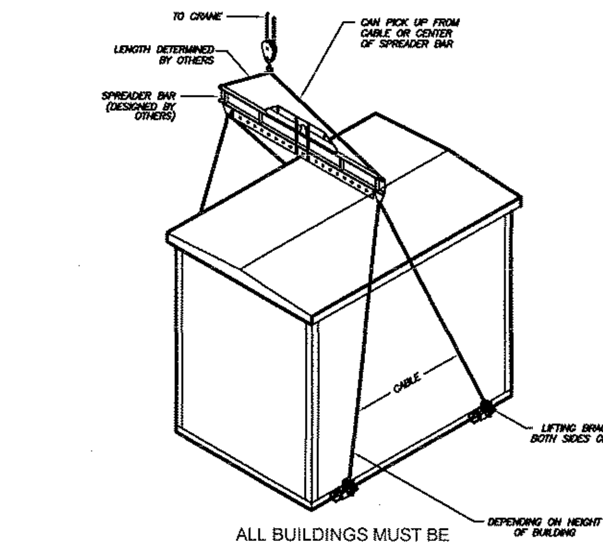


ALL BUILDINGS MUST BE
LIFTED FROM ALL LIFTING POINTS

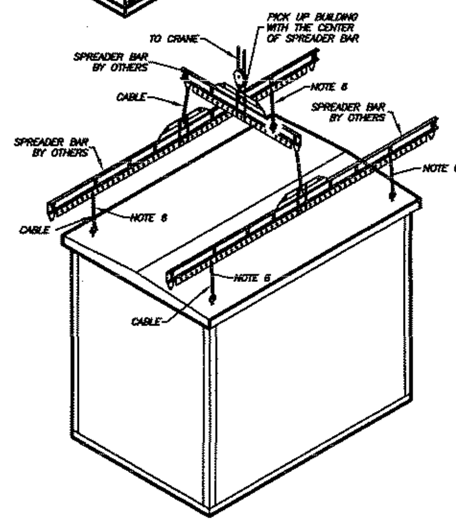


ALL BUILDINGS MUST BE
LIFTED FROM ALL LIFTING POINTS
(DOUBLE WIDE)

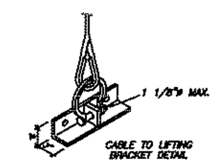


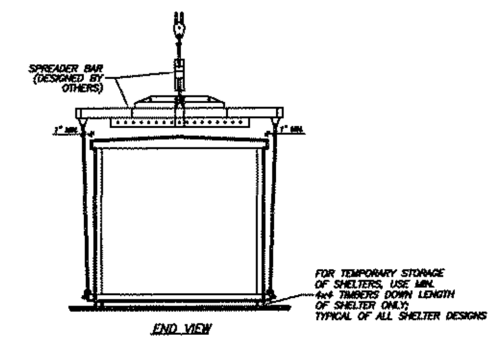


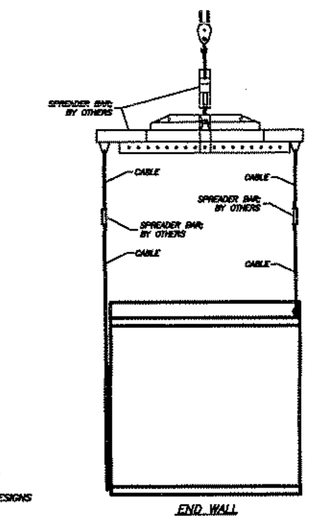
ALL BUILDINGS MUST BE
LIFTED FROM ALL LIFTING POINTS



ALL BUILDINGS MUST BE
LIFTED FROM ALL LIFTING POINTS
(ROOF LIFT)







ALL BUILDINGS MUST BE
LIFTED FROM ALL LIFTING POINTS

SINGLE BUILDING SET UP PROCEDURE:

1. INSPECT BUILDING UPON DELIVERY FOR DAMAGE DURING TRANSPORTATION.
2. REMOVE LIFTING BRACKETS FROM SHELTER.
3. CAULK AND GROUT BUILDING.
4. ATTACH TIE DOWN BRACKETS TO SHELTER AND FOUNDATION USING ANCHOR BOLTS.
5. INSTALL AND CAULK ALL ACCESSORIES (EXTERIOR LIGHT, CANOPY, ICE SHEILD, VENT HOODS, GROUND BARS, ETC.)
6. INSPECT ROOF AND ROOF EDGE FOR DAMAGE CAUSED BY OFFLOAD AND REPAIR IF NEEDED.
7. CLEAN INTERIOR AND COMPLETE ANY TOUCH UP PAINTING AS NEEDED.
8. CHECK DOOR ALARM FOR PROPER OPERATION.
9. CHECK LIGHTING AND AIR CONDITIONING FOR PROPER OPERATION.
10. INSPECT COMPLETE BUILDING FOR COSMETICS.

MULTI-WIDE BUILDING SET UP PROCEDURE:

1. INSPECT BUILDING UPON DELIVERY FOR DAMAGE DURING TRANSPORTATION.
2. REMOVE LIFTING BRACKETS FROM SHELTER.
3. ATTACH TIE DOWN BRACKETS TO SHELTER AND FOUNDATION USING ANCHOR BOLTS.
4. INSTALL AND CAULK ALL ACCESSORIES (EXTERIOR LIGHT, CANOPY, ICE SHEILD, VENT HOODS, GROUND BARS, ETC.).
5. INSPECT ROOF AND ROOF EDGE FOR DAMAGE CAUSED BY OFFLOAD AND REPAIR IF NEEDED.
6. INSTALL BACKER ROD AND CAULK EXTERIOR WALLS AND ROOF.
7. INSTALL FLASHING ON ALL INTERIOR MOD. LINES.
8. MAKE ALL CONDUIT AND CABLE TRAY CROSSOVERS.
9. CLEAN INTERIOR AND COMPLETE ANY TOUCH UP PAINTING AS NEEDED.
10. CHECK DOOR ALARM FOR PROPER OPERATION.
11. CHECK LIGHTING AND AIR CONDITIONING FOR PROPER OPERATION.
12. INSPECT COMPLETE BUILDING FOR COSMETICS.

OFFLOAD NOTES:

1. BUILDING SHALL BE OFFLOADED LEVEL.
2. ALL CABLES, SHACKLING, SPREADER BARS, ETC. SHALL BE DESIGNED AND SUPPLIED BY OTHERS.
3. ALL LIFTING POINTS SHALL BE USED.
4. 1 1/8" MAXIMUM DIAMETER FOR SHACKLES.
5. REMOVE BRACKET AFTER PLACEMENT OF SHELTER AND INSTALL ANCHOR TIE-DOWN PLATES (SHIPPED LOOSE INSIDE SHELTER) AT EACH LOCATION.
6. OFFLOAD BUILDING WITH CABLES IN VERTICAL POSITION. ANGLED POSITION CABLES ARE NOT ACCEPTIBLE.

REV.	BY	DATE	REVISION	APP.	DATE	BOM	DATE
10							
9							
8							
7							
6							
5							
4							
3							
2							
1							

FIBREBOND CORPORATION
1300 Davenport Drive Minden, Louisiana 71055 800-824-2614

DRN. BY: SC	DATE: 06/14/05	CINGULAR
CHK. BY:	DATE:	11'-5" X 28'-0" EQUIPMENT SHELTER
APP. BY: MT	DATE: 06/30/05	LIFTING, STORAGE AND
APP. BY: MG	DATE: 06/30/05	TRANSPORTATION DIAGRAM
ENG. BY:	DATE:	SCALE: NONE · SHEET NO.: 10-2 · B · DWG NO.: D-7668