



PFS Corporation

An Employee-Owned Company

Assurance you can build on[®]

August 5, 2013

Headquarters

1507 Matt Pass
Cottage Grove, WI 53527

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Website
www.pfscorporation.com

James A. Rothman, PE
President
jrothman@pfscorporation.com

Ms. Ila Jones
State of Florida
Dept. of Community Affairs
2555 Shumard Oak Boulevard
Tallahassee, FL 32399-2100

RE: Cellxion, LLC
Bossier City, LA
Model: SALF01 23'8"x50'2" Concrete Equipment Shelter

Regional Offices

Northeast
Bloomsburg, PA
570.784.8396

Southcentral
Plano, TX
972.424.2740

Western
Los Angeles, CA
310.559.7287

Midwest
Cottage Grove, WI
608.839.1013

Southeast
Wake Forest, NC
919.217.7002

Dear Ms. Jones:

Enclosed please find one set of documents for the above-noted model.

PFS Corporation hereby certifies that it has examined the building plans and other documents submitted by the manufacturer for certification and found them to be in compliance with the following codes and standards:

2010 Florida Building Code Building with 2012 FBC Supplement
2010 Florida Building Code Residential with 2012 FBC Supplement
2010 Florida Building Code Mechanical
2010 Florida Building Code Plumbing with 2012 FBC Supplement
2010 Florida Building Code Fuel Gas
2010 Florida Building Code Energy Conservation with 2012 FBC Supplement
2010 Florida Fire Prevention Code
2012 Florida Building Code Accessibility Code with 2012 FBC Supplement
2008 National Electrical Code
61G20-3.006 for Florida Product Approval

If you have any questions concerning this submission, please feel free to contact this office at any time.

Approved By:

Mark Severson.
Plan Reviewer – SMP0000020

Enclosures: As Stated

cc: Theresa Reagan
File





Date Received at PFS: _____
 IBC Transmittal No. (by PFS): _____
 Project No. (by PFS): _____

ADDITIONAL OR MODIFIED ACCEPTANCE (MODULARS/PANELIZED)

This form is to be used only when the manufacturer is seeking acceptance of an additional model, modified model or model name change which uses a previously accepted building system.

Current PFS Building System Acceptance #: _____
 Model Name/ No. SALF01 23'8"x 50' 2" Concrete Equipment Shelter
 Manufacturer's Name: Cellxion, LLC
 Plant(s) at which model will be produced Bossier City, LA

Check One: NEW MODEL Revised Model*

TECHNICAL DATA			
	Conforms		
	Yes	No	N/A
Floor Plan Showing:			
Braced Wall Method or Shearwalls	✓		
Building Size (LxW Dimensions)	✓		
Room Sizes, Light & Ventilation Schedule	✓		
Exit Requirements	✓		
Electrical Outlet Spacing & Smoke Detector	✓		
Location of Labels & Data Plates	✓		
Use Group, Type Const., Total Sq.Ft. Area	✓		
Plumbing System Design or Reference No. (_____)			✓
Heat Loss Calculations or Reference No. (_____)			✓
HVAC/Furnace Size/Model No. (<u>HVAC Wall 5T 5KW Marvaire Bge.</u>)	✓		
Thermal Performance Calculations or Reference No. (_____)			✓
Electrical Load Calculations or Reference No. (_____)	✓		
Service Size and Location (_____ <u>200 Amp</u> _____)	✓		
Applicable Building Codes <u>2010 FBC w/2012 Amendments</u>	✓		
Submit model to the following states: <u>Florida</u>			
*Description of Modification: _____			
Requester: <u>Victor Hassell</u> Date: <u>7/11/13</u>			
(designer)			

For PFS Use

Staff Plan Reviewer *Mark Anderson* IBC Certification #: _____ Date: 8/5/13

Structural Calculation(s) Reviewed By: _____ P.E. #: _____ Date: _____

Remarks: _____

*** (1) copy sent to IBC within 15 days of approval.*

VERBAL APPROVAL GIVEN By Whom: _____ To Whom: _____ Date: _____

MODEL WAS DEVIATED Revision Number: _____

THIS FORM SHALL BE FILLED OUT COMPLETELY WITH EACH MODEL ACCEPTANCE OR MODIFICATION PRIOR TO SUBMITTAL TO PFS.

Contractor Name: _____

Address of Project: _____

Parcel Number: _____

Subdivision Name/Lot/Block _____

FLORIDA BUILDING CODE
PRODUCT APPROVAL SCHEDULE

Manufacturer	Model #	Category	Subcategory	App#	Validation Entity
Curries	Varies	Exterior Doors	Swinging (Metal)	FL11537.1, FL11537.2	Underwriters Laboratories Inc.
Ceco Door Prod	Varies	Exterior Doors	Swinging (Metal)	FL10723	Intertek Testing Services NA Inc.
Harger Companies	Varies	Exterior Doors	Components	FL6118	Intertek Testing Services NA Inc.
UniFlex Ind.	41-300	Roofing	Liquid Applied Roof Systems	NOA 09-0413.05	Miami-Dade BCCO
GenFlex Roofing Systems	EPDM 07530	Roofing	Elastomeric Membrane	FL1064.R4	ASTM, Miami-Dade BCCO
Ruskin	EME520MD	Vents	Wall Louvers	NOA 11-0119.24	Miami-Dade BCCO
James Hardie Building Products	Varies	Panel Walls	Siding	NOA 12-0214.14 FL13192.2/13223.2	Miami-Dade BCCO



CODE SUMMARY

2000 INTERNATIONAL BUILDING CODE
 2000 STANDARD BUILDING CODE
 2003 INTERNATIONAL BUILDING CODE
 2006 INTERNATIONAL BUILDING CODE
 2009 INTERNATIONAL BUILDING CODE
 2012 INTERNATIONAL BUILDING CODE
 1994 UNIFORM MECHANICAL CODE
 1996 BOCA MECHANICAL CODE
 1997 STANDARD MECHANICAL CODE
 1997 UNIFORM MECHANICAL CODE
 2000 INTERNATIONAL MECHANICAL CODE
 2000 STANDARD MECHANICAL CODE
 2003 INTERNATIONAL MECHANICAL CODE
 2006 INTERNATIONAL MECHANICAL CODE
 2009 INTERNATIONAL MECHANICAL CODE
 2012 INTERNATIONAL MECHANICAL CODE
 2000 MINNESOTA STATE ENERGY CODE (CH. 1323)
 2004 CHICAGO BUILDING CODE
 2007 KENTUCKY BUILDING CODE
 2007 MINNESOTA STATE MECHANICAL CODE (CH. 1346-2000 IMC & 2000 IFGC W/ AMEND.)
 2007 MINNESOTA STATE BUILDING CODE
 2009 NEW MEXICO COMMERCIAL BUILDING CODE
 2011 NEW MEXICO ELECTRICAL CODE
 2009 NEW MEXICO MECHANICAL CODE
 2009 MICHIGAN BUILDING CODE
 2009 MICHIGAN MECHANICAL CODE
 2010 CALIFORNIA BUILDING CODE
 2010 CALIFORNIA GREEN BUILDING STANDARDS
 2010 CALIFORNIA ENERGY CODE
 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
 2010 NORTH DAKOTA ELECTRICAL WIRING STANDARDS
 2010 FLORIDA BUILDING CODE WITH 2012 AMENDMENTS
 2010 FLORIDA BUILDING CODE MECHANICAL
 2010 FLORIDA BUILDING CODE FUEL GAS
 2011 MASSACHUSETTS ELECTRICAL CODE
 8TH MASSACHUSETTS STATE BUILDING CODE
 2011 OHIO BUILDING CODE
 2011 OHIO MECHANICAL CODE
 2011 OHIO FIRE CODE
 CALIFORNIA TITLE 25
 2010 OREGON STRUCTURAL SPECIALITY CODE
 2010 OREGON MECHANICAL SPECIALITY CODE
 2010 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
 1996-2011 NATIONAL ELECTRICAL CODE
 1989,1999,2001,2004,2007 ASHRAE 90.1
 2000,2003,2006,2009, 2012 INTERNATIONAL ENERGY CONSERVATION CODE
 2000,2003,2005,2006,2009,2012 NFPA 101 LIFE SAFETY CODE
 2003 NFPA 1 UNIFORM FIRE CODE
 2002 ARKANSAS FIRE PREVENTION CODE
 2009 NORTH CAROLINA FIRE PREVENTION CODE
 RHODE ISLAND FIRE SAFETY CODE

NOTES

- LISTED CODES INCLUDE LATEST STATE ADOPTED AMENDMENTS.
- THIS SHELTER IS AN "ENCLOSED STRUCTURE" NOT INTENDED FOR HUMAN HABITATION.
- APPROVED MODEL MAY BE MIRROR IMAGE.
- OCCUPANT LOAD = 0, OHIO = 2
- SPECIAL CONDITIONS AND PERMISSIBLE TYPES OF GASES: N/A
- SHELTER HAS NO COUNTY PLACEMENT RESTRICTION IN THE STATE OF MARYLAND.
- STATE INSIGNIA LABEL/DECAL IS LOCATED NEAR MAIN ELECTRICAL SERVICE PANEL.
- 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.
- NOT SUBJECT TO FLORIDA FIRE SAFETY CODE, COMPLIANCE IS THE RESPONSIBILITY OF THE LOCAL JURISDICTION CODE OFFICIAL.
- ACCESS TO SHELTER SHALL COMPLY WITH MARYLAND ACCESSIBILITY CODE COMAR .05.02.02.07/ADAAG SECTION 4.1.2.
- 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 IBC, 2010 FBC) ASCE 7-10 SIMPLIFIED DIAPHRAM LOW-RISE BUILDINGS.
- WIND IMPORTANCE FACTOR - IW = 1.000
- 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.
- THE 2005 NEC IS MORE STRINGENT THAN THE 2002 NEC, 2008 NEC.
- HVAC UNITS ARE SIZED PER CUSTOMER REQUIREMENTS.
- EXTERNAL GROUNDING BY OTHERS.
- SHELTER CONSTRUCTED IN ACCORDANCE WITH 61G20-3.006.
- THIS BUILDING DOES NOT CONTAIN PLUMBING FACILITIES.

INDEX OF SHEETS

LAYOUT DRAWINGS

- 0-0 COVER SHEET
- 0-1 PARTS LIST
- 0-2 OPTIONS LIST/SHOP DETAILS
- 0-3 SHOP DETAILS
- 0-4 CUT LIST
- *1-0 EXTERIOR ELEVATION "A"
- *1-1 EXTERIOR ELEVATION "C"
- *1-2 EXTERIOR ELEVATIONS "B" & "D"
- 2-0 FLOOR & CAMERAS PLAN
- 2-1 REFLECTED CEILING PLAN (EQUIPMENT LAYOUT 1)
- 2-2 REFLECTED CEILING PLAN (EQUIPMENT LAYOUT 2)
- 3-0 REFLECTED CEILING PLAN (UNISTRUT LAYOUT)
- 3-1 REFLECTED CEILING PLAN (LIGHT LAYOUT)
- 3-2 REFLECTED CEILING PLAN (ELECTRICAL AND CONDUITS)
- 3-3 REFLECTED CEILING PLAN (LOWER ELECTRICAL WIREWAY)
- 3-4 REFLECTED CEILING PLAN (UPPER ELECTRICAL WIRE BASKET LAYOUT)
- 3-5 REFLECTED CEILING PLAN (FIBER TROUGH LAYOUT)
- 3-6 REFLECTED CEILING PLAN (LADDER RACK LAYOUT)
- 3-7 REFLECTED CEILING PLAN (COMBINED LAYOUT)
- 4-0 INTERIOR ELEVATION "A" (ELECTRICAL)
- 4-1 INTERIOR ELEVATION "C" (MECHANICAL)
- 4-2 INTERIOR ELEVATION "C" (ELECTRICAL)
- 4-3 INTERIOR ELEVATIONS "B" & "D" (ELECTRICAL)
- 5-0 ELECTRICAL ONE LINE
- 5-1 MAIN DISTRIBUTION PANEL DETAILS
- 6-0 PVC VENTILATION DETAILS
- 6-1 CABLE LADDER SUPPER 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
- 108-039 ANGLED /FLAT TIEDOWN DETAILS
- 108-088 SHELTER LIFTING DETAILS
- 108-089 SHELTER LOADING DETAILS
- 108-109 CONCRETE SHELTER DOOUBLEWIDE SHELTER CONNECTION DETAILS

STRUCTURAL DRAWINGS (MANUFACTURE ONLY)

- S1 OF 22 STRUCTURAL SPECIFICATIONS
- S2 OF 22 CUT LIST
- S3 OF 22 OVERVIEW OF BLDG "A"
- S4 OF 22 STRUCTURAL LAYOUT BLDG A WALL "B"
- S5 OF 22 STRUCTURAL LAYOUT BLDG A WALL "C"
- S6 OF 22 MESH LAYOUT BLDG A WALL "C"
- S7 OF 22 POST LAYOUT BLDG "A"
- S8 OF 22 STRUCTURAL LAYOUT BLDG A ROOF "A"
- S9 OF 22 DETAIL VIEWS BLDG "A"
- S10 OF 22 OVERVIEW OF BLDG "B"
- S11 OF 22 STRUCTURAL LAYOUT BLDG B WALL "B"
- S12 OF 22 STRUCTURAL LAYOUT BLDG B WALL "A"
- S13 OF 22 MESH LAYOUT BLDG B WALL "A"
- S14 OF 22 STRUCTURAL LAYOUT BLDG B ROOF "B"
- S15 OF 22 DETAIL VIEWS BLDG "B"
- S16 OF 22 OVERVIEW OF BLDG "C"
- S17 OF 22 STRUCTURAL LAYOUT BLDG C WALL "A"
- S18 OF 22 STRUCTURAL LAYOUT BLDG C WALL "D"
- S19 OF 22 MESH LAYOUT BLDG C WALL "D"
- S20 OF 22 STRUCTURAL LAYOUT BLDG C WALL "C"
- S21 OF 22 STRUCTURAL LAYOUT BLDG C ROOF "C"
- S22 OF 22 DETAIL VIEWS BLDG "C"

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: 60 PSF
 FLOOR LIVE LOAD: BLDG A + BLDG B : 255 PSF
 BLDG C : 871 PSF
 GROUND SNOW LOAD: EXEMPT
 WIND SPEED: 180 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: 115 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)

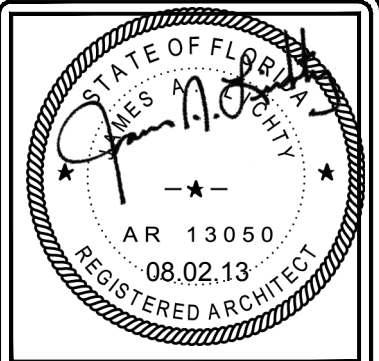
PHYSICAL PROPERTIES

SHELTER DIMENSIONS: 50'-5"L X 23'-8"W
 SHIPPING DIMENSIONS: SHELTER "A" + "B" : 11'-10"W X 38'-3"L
 SHELTER "C" : 11'-11"W X 23'-8"L

SHELTER WEIGHT: 170,000 LBS
 (EXCLUDES BATTERIES AND RADIO EQUIPMENT)

FLOOR

SHELTER "A" + "B" : 221-1110X3803-00 CONCRETE FLOOR ASSY KIT: 11'-10"x38'-3"
 SHELTER "C" : 221-1111X2308 CONCRETE FLOOR ASSY KIT: 11'-11"x23'-8"



THIS DRAWING IS THE CONFIDENTIAL PROPERTY AND CONTAINS TRADE SECRETS OF CELLXION, LLC. ANY USE OF THESE DRAWINGS OR THE INFORMATION CONTAINED HEREIN FOR ANY REASON OTHER THAN AS EXPRESSLY AUTHORIZED BY SABRE INDUSTRIES, INC. IS STRICTLY PROHIBITED. THIS DRAWING HAS BEEN DISTRIBUTED WITH THE UNDERSTANDING THAT ANYONE RECEIVING OR OTHERWISE OBTAINING POSSESSION OF IT WILL BE EXPRESSLY NOTIFIED OF ITS CONFIDENTIAL NATURE.

Cellxion
 5031 Hazel Jones Road
 Bossier City, Louisiana 71111
 voice: (318) 213-2900
 fax: (318) 213-2919
 www.cellxion.com

CUSTOMER:
 ALLIED FIBER

PROJECT:
 23'-8" X 50'-2"
 CONCRETE SHELTER
 COVER SHEET

FILENAME: SALF01	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 0-0	
DRAWING NO.: SALF01	REV.: G

Manufacturer: Cellxion, LLC
 Model: SALF01

PFS APPROVED
 PFS CORPORATION
 Cottage Grove, WI.
 A Florida DBPR approved inspection and plan reviewer examiner agency

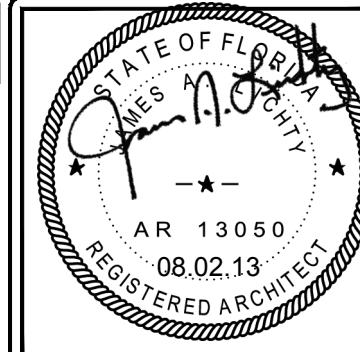
Construction Type: V-B
 Occupancy: S-2
 Allowable number of floors: 1
 Wind Velocity @ V3S: 180
 Fire Rating / Ext Walls: 2 Hour
 Floor Load: Bldg A & B 255
 Bldg C 871
 Approval Date: 8/5/13

This document meets or exceeds the requirements of the State of Florida Manufactured Building Rules & Regulations

Signature & License Number

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	2000,2003,2006,2009,2012 IBC, 150 MPH WIND SPEED	2010 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	+25.8/-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

PARTS LIST							
ITEM	QTY	U/M	P/N	DEPT	DESCRIPTION	MFG	MFG P/N
1	1.0000	EA.	170239	10	PIPE,PVC,SCH 40,3",90 DEG ELBOW		
2	1.0000	FT.	170000	20	PIPE,PVC,SCH 40,1"		
3	5.0000	EA.	170122	30	PIPE CAP,PLASTIC,NPT,NIAGARA T-6X (OR EQUAL)	NIAGARA	T-6X
4	1.0000	EA.	410011	30	CONDULET,BODY AL LB,3",LB300D (OR EQUAL)	BRIDGEPORT	LB-48
5	5.0000	EA.	410075	30	BUSHING,EMT,1/2",PLASTIC (OR EQUAL)	T&B	BU501
6	10.0000	EA.	410182	30	NIPPLE,RIGID,3/4"x8 1/2"		
7	4.0000	EA.	410372	30	CONDULET,BODY AL LR,3",LR300D (OR EQUAL)	BRIDGEPORT	LR-48
8	106.0000	EA.	430005	30	BOX,JUNCT,4"x4",2-1/8D,1/2"-3/4KO (OR EQUAL)	STEEL CITY	521711234E
9	5.0000	EA.	430008	30	BOX,6X6X4,SCREW COVER,NEMA 1,0-KO (OR EQUAL)	HOFFMAN	ASE6X6X4NK
10	16.0000	EA.	430054	30	BOX,JUNCT,2"x4",1 7/8" (OR EQUAL)	STEEL CITY	103-W-1/2
11	4.0000	EA.	430056	30	BOX,JUNCT,OCT,4"RND,2-1/8"DEEP (OR EQUAL)	STEEL CITY	54171
12	1.0000	EA.	430603	30	EXTENSION RING,4",1/2-3/4 KO		
13	4.0000	EA.	431181	30	BOX,JUNCT,4-11/16" SQ,D-2 1/8",1"KO (OR EQUAL)	STEEL CITY	721711
14	1.0000	EA.	431360	30	BOX,JUNCT,MULTI,4-1/2 x 6-13/16 x 1-5/8 (OR EQUAL)	RACO	951
15	5.0000	EA.	470003	30	LIGHT FIXTURE,100W,HPS,WALL PACK	COOPER	HPWPGL100MT
16	24.0000	EA.	470615	30	LIGHT FIXTURE,32W,2 BULB,4FT,WR,T-8	TEXAS FLUORESCENTS	207A232-MVC-D
17	21.0000	FT.	510017	30	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW		
18	4.0000	FT.	510017	30	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW		
19	6.0000	FT.	510017	30	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW		
20	16.0000	FT.	510017	30	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW		
21	6.0000	FT.	510017	30	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW		
22	1.0000	FT.	510017	30	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW		
23	1.0000	FT.	510017	30	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW		
24	4.0000	EA.	390009	40	DETECTOR,SMOKE,120V,ION,KIDDE/FYRN	KIDDE	1235E
25	4.0000	EA.	390020	40	RELAY,SMOKE DET,120V,KIDDE,SM120X	KIDDE	SM120X
26	5.0000	EA.	410003	40	CONDULET,BODY COVER,2 1/2"-3" (OR EQUAL)	BRIDGEPORT	SC-47
27	6.0000	EA.	410044	40	CONDULET,GASKET 2 1/2"&3" (OR EQUAL)	BRIDGEPORT	SGN-67
28	1.0000	EA.	420006	40	LABEL,BLK,ELECT,"GFCI"		
29	1.0000	EA.	420007	40	LABEL,BLK,ELECT,"ALARM BLOCK"		
30	1.0000	EA.	420008	40	LABEL,BLK,ELECT,"SERVICE DISCONNECT"		
31	1.0000	EA.	420009	40	LABEL,BLK,ELECT,"INTERIOR LIGHT"		
32	1.0000	EA.	420010	40	LABEL,BLK,ELECT,"AC PANEL"		
33	1.0000	EA.	420011	40	LABEL,BLK,ELECT,"LOW TEMP"		
34	1.0000	EA.	420015	40	LABEL,BLK,ELECT,"HIGH TEMP"		
35	1.0000	EA.	420016	40	LABEL,BLK,ELECT,"LEAD-LAG CONTROLL"		
36	1.0000	EA.	420017	40	LABEL,BLK,ELECT,"HVAC #2"		
37	1.0000	EA.	420018	40	LABEL,BLK,ELECT,"HVAC #1"		
38	1.0000	EA.	420019	40	LABEL,BLK,ELECT,"MAIN DISCONNECT"		
39	1.0000	EA.	420024	40	LABEL,BLK,ELECT,"EXTERIOR LIGHT"		
40	1.0000	EA.	420029	40	LABEL,BLK,ELECT,"POWER FAIL RELAY"		
41	16.0000	EA.	420033	40	LABEL, SELF TRANSFER, PANDUIT TTSL2		
42	1.0000	EA.	420034	40	LABEL,BLK,ELECT,"DC LIGHT"		
43	1.0000	EA.	420037	40	LABEL,BLK,ELECT,"TVSS"		
44	1.0000	EA.	420041	40	LABEL,"ARC FLASH AND SHOCK WARNING"		
45	1.0000	EA.	420043	40	LABEL,BLK,ELECT,"HVAC #3"		
46	1.0000	EA.	420049	40	LABEL,BLK,ELECT,"HVAC #4"		
47	1.0000	EA.	420052	40	LABEL,BLK,ELECT,"GENERATOR RECPTACLE"		
48	1.0000	EA.	420094	40	LABEL,BLK,ELECT,"AUTOMATIC XFER SWITCH"		
49	1.0000	EA.	420095	40	LABEL,BLK,ELECT,"MANUAL XFER SWITCH"		
50	1.0000	EA.	420289	40	LABEL,BLK,ELEC,"SMOKE/HEAT"		
51	7.0000	EA.	430001	40	COVER,BLANK PLATE,4X2,HANDY (OR EQUAL)	RACO	860
52	98.0000	EA.	430012	40	COVER,BLANK PLATE,4X4 (OR EQUAL)	APPLETON	8465
53	4.0000	EA.	430014	40	COVER,BLANK PLATE,4 11/16 (OR EQUAL)	APPLETON	8487
54	2.0000	EA.	430025	40	COVER,RECPT PLATE,4X4,2R (OR EQUAL)	APPLETON	8365N
55	1.0000	EA.	430033	40	RECEPTACLE,GFCI,120V,20A,NEMA5,WR (OR EQUAL)	HUBBELL	GFTR20I
56	2.0000	EA.	430034	40	RECEPTACLE,DUPLX,125V,20A,IVORY (OR EQUAL)	COOPER	CR20V
57	2.0000	EA.	430072	40	COVER,SWITCH PLATE,4X4,2 SWITCH (OR EQUAL)	STEEL CITY	456
58	4.0000	EA.	430084	40	SWITCH,SPST,20A,120V,IVORY (OR EQUAL)	HUBBELL	CS1221I
59	1.0000	EA.	430957	40	COVER,RECPT PLATE,GFI,4X4,INT,5AA26 (OR EQUAL)	RACO	808C
60	2.0000	EA.	460123	40	THERMOSTAT,DIGITAL,AUTO,HONEYWELL		
61	5.0000	EA.	470002	40	LIGHT BULB,100W,HPS,2V519 (OR EQUAL)	GE LIGHTING	LU100/ECO/NC
62	24.0000	EA.	470047	40	LIGHT FIXTURE,LENS,2-BULB T-8		
63	2.0000	EA.	470056	40	LIGHT FIXTURE,COMBO EXIT/EMERGENCY (OR EQUAL)	EXITRONIX	VEX-U-BP-WH-EL-90
64	48.0000	EA.	470058	40	LIGHT BULB,F32 T-8 MED BIPIN		
65	3.0000	EA.	470727	40	LIGHT,CAN,LITHONIA,L3R-3E1 120V	LITHONIA LIGHTING	
66	2.0000	EA.	490000	40	ALARM,MAGNETIC DOOR CONTACT		
67	1.0000	EA.	490064	40	DETECTOR,H2,120V,RELAY, HGD-DR	ARRGH	Mark 4, AC, 099140
68	1.0000	EA.	400001	50	LUG,2H,#6,BLU,3/8"BOLT,1"C/C,LBFW		
69	2.0000	EA.	400068	50	LUG,2H,#2,BRN,1/4"BOLT,5/8"C/C,LBFW		
70	2.0000	EA.	400259	50	LUG,2H,#2,BRN,3/8"BOLT,1"C/C,LBFW		



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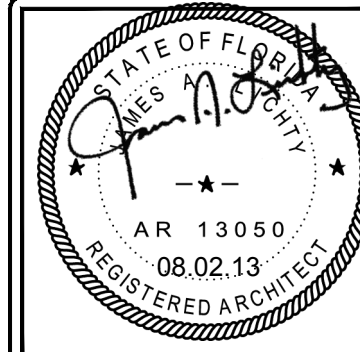
CUSTOMER:
ALLIED FIBER

PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER PARTS LIST

FILENAME: SALF01	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 0-1	
DRAWING NO.: SALF01	REV.: G

- DEPT CODES:
- 30 - CONDUIT
 - 40 - ELECTRICAL
 - 50 - MECHANICAL
 - 51 - DOORS
 - 55 - HVAC
 - 70 - TILE/FLOORING
 - 75 - GENERATOR
 - 95 - MULTI-TASK
 - 99 - PACKING LIST
 - 150 - INSTALLATION DEPT

PARTS LIST							
ITEM	QTY	U/M	P/N	DEPT	DESCRIPTION	MFG	MFG P/N
71	1.0000	EA.	410343	50	WIRE STANDOFF,1 3/4"		
72	8.0000	EA.	410612	50	TROUGH,COUPLING KIT, 4"	TELECT	027-2000-4099
73	1.0000	EA.	410615	50	TROUGH,STRAIGHT,12"x12"x72"	TELECT	027-2000-12406
74	6.0000	EA.	410615	50	TROUGH,STRAIGHT,12"x12"x72"	TELECT	
75	3.0000	EA.	410615	50	TROUGH,STRAIGHT,12"x12"x72"	TELECT	027-2000-12406
76	10.0000	EA.	410617	50	TROUGH,COUPLING KIT,12"	TELECT	
77	1.0000	EA.	410618	50	TROUGH,JUNCTION END ATTACHMENT,12"	TELECT	027-2000-12409
78	1.0000	EA.	410619	50	TROUGH,END CAP,12"	TELECT	027-2000-12408
79	2.0000	EA.	410622	50	TROUGH,REDUCER,6" TO 4"	TELECT	027-2000-6450
80	2.0000	EA.	410641	50	TROUGH,6" COUPLING KIT, TELECT	TELECT	027-2000-6499
81	2.0000	EA.	410642	50	TROUGH,4X6,T- EXPRESS INTERCHANGE	TELECT	027-C0012-6412
82	2.0000	EA.	410643	50	TROUGH,12",45 DEG ELBOW ,TELECT	TELECT	027-1000-12489
83	14.0000	EA.	410646	50	TROUGH,2X2,EXPRS OFF RAMP,W/BRKT	TELECT	027-2000-4262
84	6.0000	EA.	410648	50	TROUGH,4X4,EXPRS OFF RAMP,TELECT	TELECT	027-2000-4062
85	1.0000	EA.	470266	50	MINI LOUVER,3" ALUMINUM,WHITE		
86	3.0000	EA.	480005	50	CELLXION GREEN SERIAL NO.PLAT		
87	1.0000	EA.	510000	50	CABLE LADDER,12"x9'8 1/2",YELLOW ZI		
88	1.0000	EA.	510000	50	CABLE LADDER,12"x9'8 1/2",YELLOW ZI		
89	1.0000	EA.	510000	50	CABLE LADDER,12"x9'8 1/2",YELLOW ZI		
90	1.0000	EA.	510000	50	CABLE LADDER,12"x9'8 1/2",YELLOW ZI		
91	1.0000	EA.	510000	50	CABLE LADDER,12"x9'8 1/2",YELLOW ZI		
92	1.0000	EA.	510000	50	CABLE LADDER,12"x9'8 1/2",YELLOW ZI		
93	8.0000	EA.	510001	50	CABLE LADDER,6"x9'8 1/2",Y/Z (OR EQUAL)		
94	4.0000	EA.	510001	50	CABLE LADDER,6"x9'8 1/2",Y/Z (OR EQUAL)		
95	8.0000	EA.	510001	50	CABLE LADDER,6"x9'8 1/2",Y/Z (OR EQUAL)		
96	1.0000	EA.	510006	50	CABLE LADDER,12",CLOSING BAR,Y/Z		
97	1.0000	EA.	510377	50	WIRE BASKET TROUGH, 24", BLACK	HUBBELL	
98	3.0000	EA.	510377	50	WIRE BASKET TROUGH, 24", BLACK	HUBBELL	
99	2.0000	EA.	510377	50	WIRE BASKET TROUGH, 24", BLACK	HUBBELL	
100	1.0000	EA.	510377	50	WIRE BASKET TROUGH, 24", BLACK	HUBBELL	
101	3.0000	EA.	510378	50	WIRE BASKET TROUGH, 8", BLACK	HUBBELL	
102	1.0000	EA.	510378	50	WIRE BASKET TROUGH, 8", BLACK	HUBBELL	
103	1.0000	EA.	510378	50	WIRE BASKET TROUGH, 8", BLACK	HUBBELL	
104	1.0000	EA.	510378	50	WIRE BASKET TROUGH, 8", BLACK	HUBBELL	
105	1.0000	EA.	510378	50	WIRE BASKET TROUGH, 8", BLACK	HUBBELL	
106	1.0000	EA.	510378	50	WIRE BASKET TROUGH, 8", BLACK	HUBBELL	
107	1.0000	EA.	510382	50	SPLICE KIT,WIRE BASKET,BLACK		
108	2.0000	EA.	510610	50	TROUGH,STRAIGHT,4"x4"x72"		
109	2.0000	EA.	510610	50	TROUGH,STRAIGHT,4"x4"x72"	TELECT	027-2000-4001
110	1.0000	EA.	510610	50	TROUGH,STRAIGHT,4"x4"x72"	TELECT	027-2000-4001
111	2.0000	EA.	510610	50	TROUGH,STRAIGHT,4"x4"x72"		
112	6.0000	EA.	521002	50	HVAC,GRILL,SUPPLY,10"x30"		
113	5.0000	EA.	521102	50	HVAC,GRILL,RETURN,16"x30"		
114	5.0000	EA.	521106	50	HVAC,GRILL,RETURN,22" X 22"		
115	6.0000	EA.	522001-00006	50	HVAC,SLEEVE,10"x30"x6"		
116	5.0000	EA.	522001-00012	50	HVAC,SLEEVE,16"x30"x6"		
117	1.0000	EA.	P540127	50	G-BAR ASSY,540127 & HARDWARE		
118	3.0000	EA.	500121-002	51	DOOR,3670,RHRB,REP,ULBR,BR,L3		
119	3.0000	EA.	504008	51	DOOR,HINGE,CONTINUOUS,SL11 84"		
120	2.0000	EA.	504102	51	DOOR,BUMPER,SS RUBBER STOP,BLACK		
121	2.0000	EA.	504113	51	DOOR,HOLD OPEN,T-LATCH,6"		
122	2.0000	EA.	504139	51	DOOR,CLOSER,HEAVY DUTY,TC200		
123	3.0000	EA.	504300	51	DOOR,LOCKGUARD,10" 32D		
124	3.0000	EA.	504400	51	DOOR,DRIP CAP,NGF16A-48"		
125	3.0000	EA.	504401	51	DOOR,THRESHOLD 48"x4.75",.090 ALUM		
126	3.0000	EA.	504435	51	DOOR,THRESHOLD 48"x6.25",.090 ALUM		
127	2.0000	EA.	504450	51	DOOR,KICK PLATE,8"x40",SS		
128	5.0000	EA.	504504	51	DOOR,PULL HANDLE KASON,CAST,382		
129	2.0000	EA.	504555	51	DOOR,STRIKER PLATE,STANDARD		
130	2.0000	EA.	504650	51	LOCKSET,SARGENT,PANIC BAR,CYLINDRIC		
131	3.0000	EA.	570005	51	DOOR,CANOPY,48",MOUNTING BRACKET		
132	2.0000	EA.	520280	55	HVAC,WALL,5T 5KW,MARVAIR,BGE		
133	10.5000	FT.	504216	95	DOOR,WEATHERSTRIP,SPONGE NEOPRENE		
134	2.0000	EA.	504222	95	DOOR,WEATHERSTRIPPING,303-TF-3670		
135	1.0000	EA.	480087-01	99	PACKING KIT,TYPICAL EVERY SHELTER (PACKING LIST ITEM)		
136	3.0000	EA.	570018	99	DOOR,CANOPY,54",METAL (PACKING LIST ITEM)		



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23'-8" X 50'-2" CONCRETE SHELTER PARTS LIST

- DEPT CODES:
- 30 - CONDUIT
 - 40 - ELECTRICAL
 - 50 - MECHANICAL
 - 51 - DOORS
 - 55 - HVAC
 - 70 - TILE/FLOORING
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 - 95 - MULTI-TASK
 - 99 - PACKING LIST
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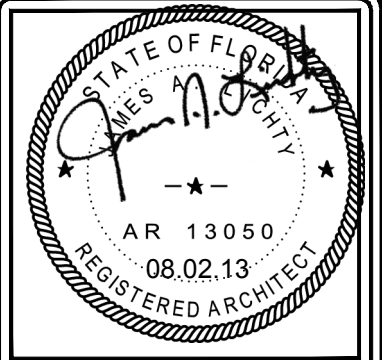
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SHEET NO. 0-2	
DRAWING NO.: SALF01	REV.: G

SHOP DETAILS

DWG NO.	DESCRIPTION
30-002	BOX TO BOX PENETRATION DETAIL
30-004	BOX TO GFCI PENETRATION DETAIL
30-007	THRU WALL PENETRATION RIGID NIPPLE DETAIL
30-008	BOX TO WP BOX PENETRATION DETAIL
30-009	CONDUIT TO WIREWAY CONNECT
30-011	PLASTIC CAP INSTALLATION DETAIL
30-012	RIGID, CLOSE & CHASE NIPPLE APPLICATION
30-013	WIREWAY TO AC PANEL CONNECTION
30-015	ONE LAYER UNISTRUT INSTALL
30-016	WIREWAY TO WALL, CEILING, & UNISTRUT
30-017	CONDUIT STRAP-BACK INSTALLATION DETAIL
30-019	CONDUIT STANDARD INTERIOR LIGHT FIXTURE DETAIL
30-020	JUNCTION BOX MOUNTING DETAIL
30-022	HVAC THRU WALL PENETRATION DETAIL
40-003	INLINE FUSE SURFACE MOUNTING DETAIL
40-006	MICRIN BOX INSTALLATION AND WIRING
40-008	ELECTRICAL GROUND BONDING DETAIL
40-010	TYPICAL WIRE SECURING AT LOADCENTER
50-001	GROUND BAR MOUNTING INSTALLATION
50-002	HALO GROUND Y-DROP INSTALLATION #2 GROUND
50-003	HALO GROUND CORNER DROP #2 - #2
50-004	GROUND DROP EXTERIOR PIGTAIL #2 - #2
50-005	CABLE LADDER GROUNDING DETAILS (T-JUNCTION) INSIDE/OUTSIDE
50-006	CABLE LADDER GROUNDING DETAILS (T JUNCTION) 2 SIDES
50-008	CABLE LADDER GROUNDING SPLICE DETAILS (JUNCTION) 2 SIDES
50-009	HALO TO CABLE LADDER BONDING DETAILS
50-012	HALO GROUND TO DISTRIBUTION PANELS & BOXES OVER 6X6
50-013	GROUND TO DOOR FRAME
50-014	HALO GROUND TO HVAC GRILLE
50-015	HALO GROUND TO LEAD LAG CONTROLLER
50-019	HALO GROUND TO PERPENDICULAR CONDUIT (SINGLE DROP)
50-020	HALO GROUND TO PERPENDICULAR CONDUIT (DOUBLE DROP)
50-021	HALO GROUND TO MULTIPLE CONDUIT
50-026	HALO GROUND Y DROP INSTALL #6 GRN
50-027	METAL TO LUG DETAIL
50-028	MECHANICAL LUG DETAIL
50-029	HALO GROUND TO HVAC GRILLE (Y DROP GRILLE TO GRILLE)
50-030	HALO GROUND Y DROP INSTALL #2 SOLID (CRIMP)
50-035	THRU WALL PENETRATION PVC PIPE @ 45°
50-038	HALO GROUND TO WIREWAY
50-041	GROUND DROP EXTERIOR PIGTAIL CONNECTION (DOUBLE C-TAP)
50-042	WIRE STANDOFF INSTALLATION
50-045	SINGLE CONNECTOR AT STEEL OBJECTS
50-050	SINGLE CONNECTOR AT GROUND BAR
50-062	HALO GROUND SINGLE DROP #2 TO #2
50-070	LUG CRIMPING DETAIL
50-071	GROUND BAR HAT BRACKET INSTALLATION
50-072	LUG TO GROUND BAR CONNECTION
51-003	2 PC THRESHOLD INSTALLATION
51-006	DRIP CAP INSTALLATION
51-007	DOOR LOCKGUARD INSTALLATION
51-009	DOOR HOLD OPEN INSTALLATION
51-010	DOOR CLOSER DETAIL
51-012	DOOR CANOPY INSTALLATION
51-013	ID SIGN LOCATION
51-014	DOOR HARDWARE INSTALLATION
51-017	GROUND STRAP TO DOOR FRAME
51-019	GROUND TO DOOR FRAME

SHOP DETAILS

DWG NO.	DESCRIPTION
51-021	PANELIZED SHELTER DOOR HARDWARE INSTALLATION
51-029	DOOR ALARM INSTALLATION
51-034	DOOR WEATHER STRIP INSTALLATION
52-003	STRAIGHT CLAMP INSTALLATION
52-004	CORNER CLAMP INSTALLATION
52-014	CABLE LADDER INSTALL DETAIL (UNISTRUT)
52-017	CABLE LADDER "DOG LEG" INSTALLATION
52-018	HANGER BRACKET CONNECTION
52-019	CABLE LADDER INTALLATION DETAIL (HANGER)
52-020	CABLE LADDER HANGER BRACKET TO CEILING INSTALLATION
52-021	ONE LAYER CABLE LADDER HANGER INSTALL
52-022	UNISTRUT INSTALL 1-LAYER INTERIOR
53-001	WAVEGUIDE ENTRY INSTALLATION
55-001	BLOCKOUT SLEEVE INSTALL
55-003	MOUNTING ANGLE INSTALL
55-004	INSTALL DETAIL
55-006	HVAC INSTALLATION AND CONNECTIONS
55-010	HVAC DRIP CAP INSTALLATION
57-001	FENCE ASSEMBLY (2) PIECE INSTALLATION
57-002	FENCE ASSEMBLY (1) PIECE INSTALLATION
70-001	TILE INSTALLATION DETAIL
70-002	BASE MOLD INSTALLATION DETAIL
70-003	VINYL TILE INSTALLATION PROCEEDURE
80-001	1/2" PVC PIPE STANDOFF
502-001	ALLIED FIBER CONNECTION DTL
502-002	MESH PTN CONN



SHELTER REQUIRES ONE OPTION NUMBER FROM EACH OPTION LISTED.

NOTE THAT SOME OPTION NUMBERS ARE A KIT W/ MULTIPLE PARTS.

OPTIONS ARE IDENTIFIED ON THE DRAWING BY THE OPTION LETTER [X], BY OPTION NO. [XX], OR BY THE OPTION TAG NO. [XX-X]

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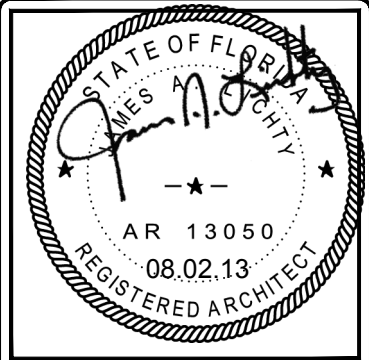
CUSTOMER:
ALLIED FIBER

PROJECT:
**23'-8" X 50'-2" CONCRETE SHELTER
OPTIONAL COMPONENTS
LIST/SHOP DETAILS**

FILENAME: SALF01	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 0-3	
DRAWING NO.: SALF01	REV.: G



CUT LIST							
ITEM	QTY	U/M	P/N	DEPT	DESCRIPTION	CUT	PCS
2	1.0000	FT.	170000	20	PIPE,PVC,SCH 40,1"	12"	1
17	21.0000	FT.	510017	30	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW	120"	21
18	4.0000	FT.	510017	30	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW	93"	4
19	6.0000	FT.	510017	30	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW	73"	6
20	16.0000	FT.	510017	30	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW	89 3/4"	16
21	6.0000	FT.	510017	30	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW	108"	6
22	1.0000	FT.	510017	30	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW	56"	2
23	1.0000	FT.	510017	30	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW	52 3/4"	1
73	1.0000	EA.	410615	50	TROUGH,STRAIGHT,12"X12"X72"	25"	1
74	6.0000	EA.	410615	50	TROUGH,STRAIGHT,12"X12"X72"	72"	6
75	3.0000	EA.	410615	50	TROUGH,STRAIGHT,12"X12"X72"	61"	3
87	1.0000	EA.	510000	50	CABLE LADDER,12"X9'8 1/2",YELLOW ZI	55"	1
88	1.0000	EA.	510000	50	CABLE LADDER,12"X9'8 1/2",YELLOW ZI	28 1/4"	1
89	1.0000	EA.	510000	50	CABLE LADDER,12"X9'8 1/2",YELLOW ZI	116 1/2"	6
90	1.0000	EA.	510000	50	CABLE LADDER,12"X9'8 1/2",YELLOW ZI	16"	1
91	1.0000	EA.	510000	50	CABLE LADDER,12"X9'8 1/2",YELLOW ZI	9"	1
92	1.0000	EA.	510000	50	CABLE LADDER,12"X9'8 1/2",YELLOW ZI	63 3/4"	1
93	8.0000	EA.	510001	50	CABLE LADDER,6"X9'8 1/2",Y/Z (OR EQUAL)	40"	8
94	4.0000	EA.	510001	50	CABLE LADDER,6"X9'8 1/2",Y/Z (OR EQUAL)	43"	8
95	8.0000	EA.	510001	50	CABLE LADDER,6"X9'8 1/2",Y/Z (OR EQUAL)	86"	8
97	1.0000	EA.	510377	50	WIRE BASKET TROUGH, 24", BLACK	32"	1
98	3.0000	EA.	510377	50	WIRE BASKET TROUGH, 24", BLACK	118"	3
99	2.0000	EA.	510377	50	WIRE BASKET TROUGH, 24", BLACK	45 3/4"	2
100	1.0000	EA.	510377	50	WIRE BASKET TROUGH, 24", BLACK	80 1/4"	1
101	3.0000	EA.	510378	50	WIRE BASKET TROUGH, 8", BLACK	118"	3
102	1.0000	EA.	510378	50	WIRE BASKET TROUGH, 8", BLACK	45 3/4"	1
103	1.0000	EA.	510378	50	WIRE BASKET TROUGH, 8", BLACK	32"	1
104	1.0000	EA.	510378	50	WIRE BASKET TROUGH, 8", BLACK	48"	1
105	1.0000	EA.	510378	50	WIRE BASKET TROUGH, 8", BLACK	67"	1
106	1.0000	EA.	510378	50	WIRE BASKET TROUGH, 8", BLACK	23"	1
108	2.0000	EA.	510610	50	TROUGH,STRAIGHT,4"X4"X72"	48 1/2"	2
109	2.0000	EA.	510610	50	TROUGH,STRAIGHT,4"X4"X72"	72"	2
110	1.0000	EA.	510610	50	TROUGH,STRAIGHT,4"X4"X72"	23 1/4"	2
111	2.0000	EA.	510610	50	TROUGH,STRAIGHT,4"X4"X72"	28 1/4"	2
124	3.0000	EA.	504400	51	DOOR,DRIP CAP,NGF16A-48"	46"	3
133	10.5000	FT.	504216	95	DOOR,WEATHERSTRIP,SPONGE NEOPRENE	42"	3



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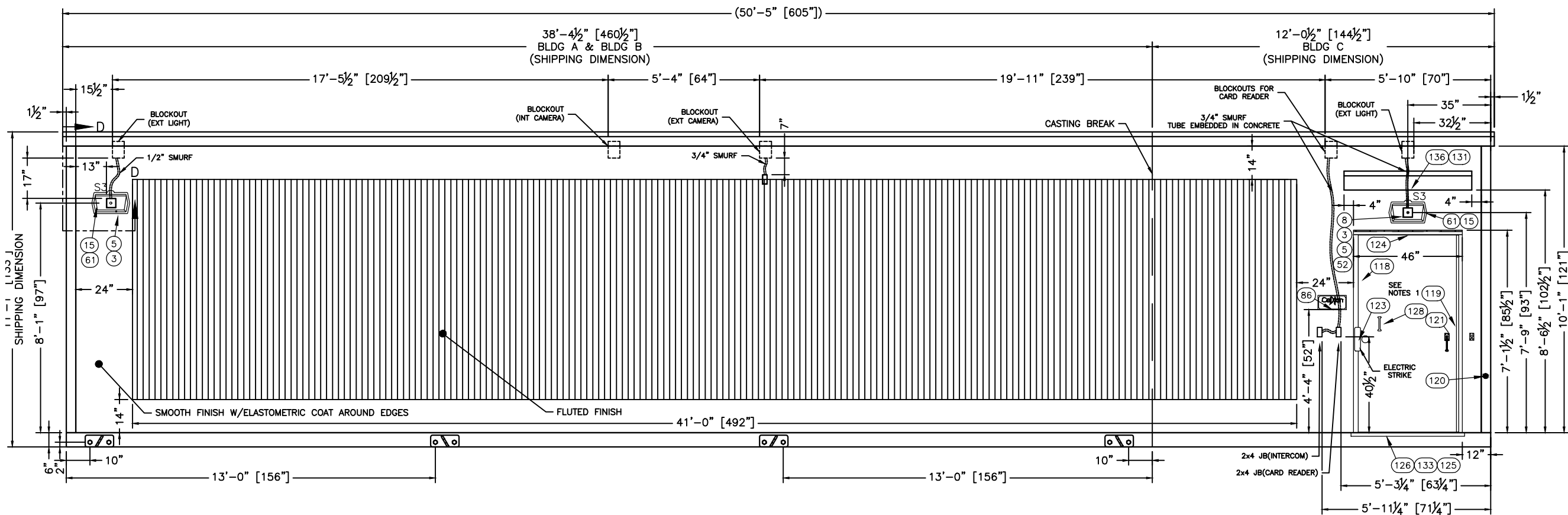
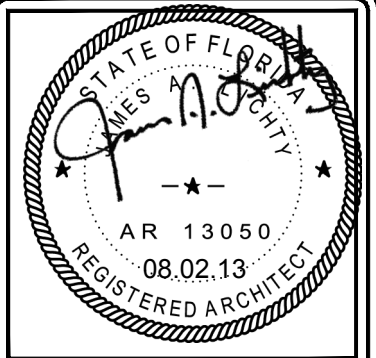
CUSTOMER:
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**23'-8" X 50'-2" CONCRETE SHELTER
 OPTIONAL COMPONENTS
 CUT LIST**

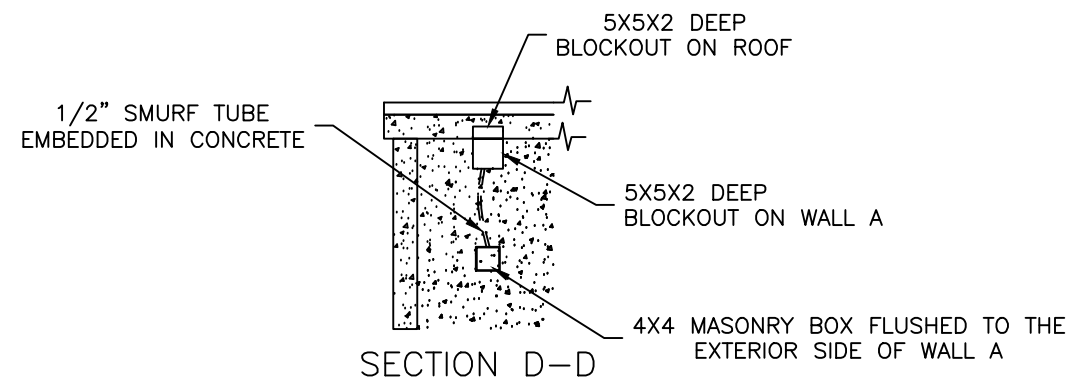
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SHEET NO. 0-4	
DRAWING NO.: SALF01	REV.: G



SUB-PARTS LIST		
ITEM	P/N	ORIGINAL DESCRIPTION
		CUT



EXTERIOR ELEVATION "A"



- NOTES:
1. SILICONE AROUND DOOR HANDLE AND DOOR STRIKE.
 2. LIGHT FIXTURE TO BE INSTALLED AT MANUFACTURE, TESTED FOR FUNCTION, REMOVED AND PACKED INSIDE FOR SHIPMENT.
 3. OUTSIDE LIGHTS AND CANOPY ARE PACKING ITEMS AND FIELD INSTALLED.

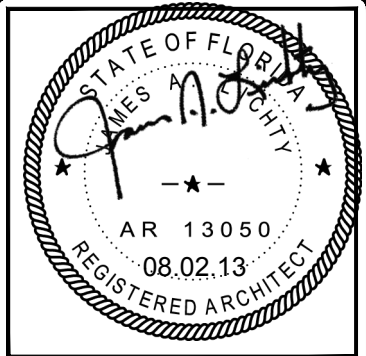
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Bossier City, Louisiana 71111
voice: (318) 213-2900
fax: (318) 213-2919
www.cellxion.com

CUSTOMER:
ALLIED FIBER

PROJECT:
23'-8" X 50'-2"
CONCRETE SHELTER
EXTERIOR ELEVATION "A"

FILENAME: SALF01	
SCALE: 1/4" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 1-0	
DRAWING NO.: SALF01	REV.: G

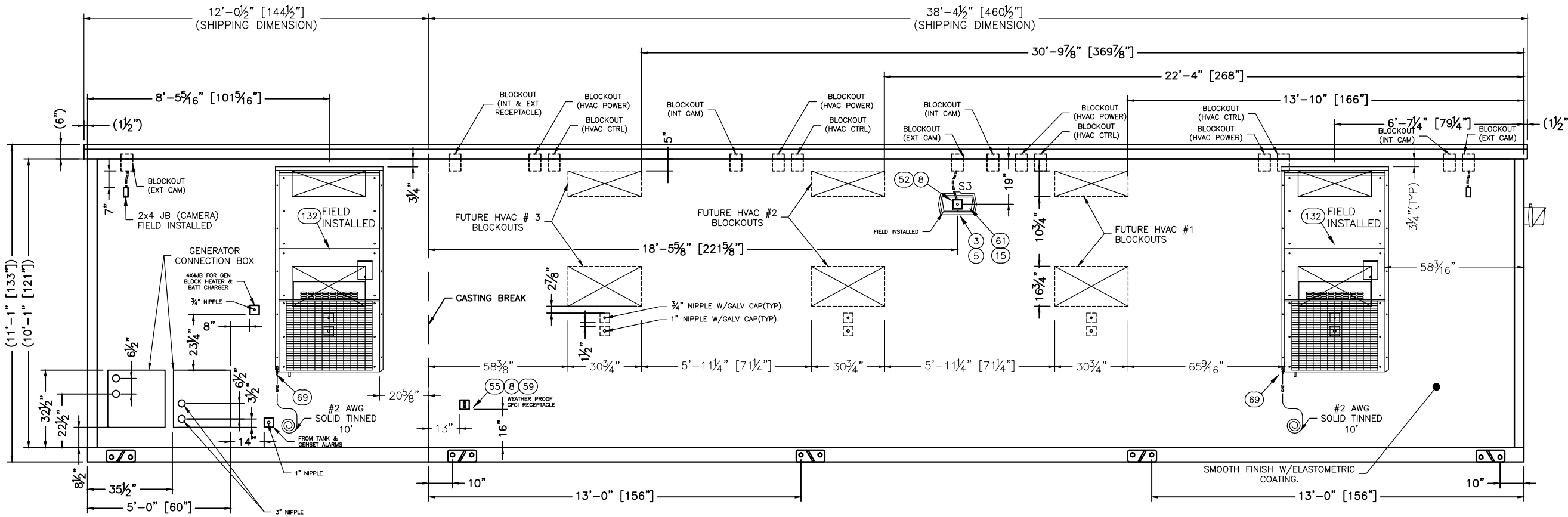


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CUSTOMER:
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PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER EXTERIOR, ELEVATION "C"

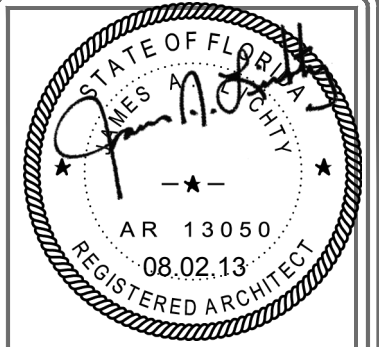


EXTERIOR ELEVATION C

NOTE:
 1. ALL JUNCTION BOXES THAT ARE CAST IN WILL BE A MASONRY TYPE.



FILENAME: SALF01	
SCALE: 1/4" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 1-1	
DRAWING NO.: SALF01	REV.: G



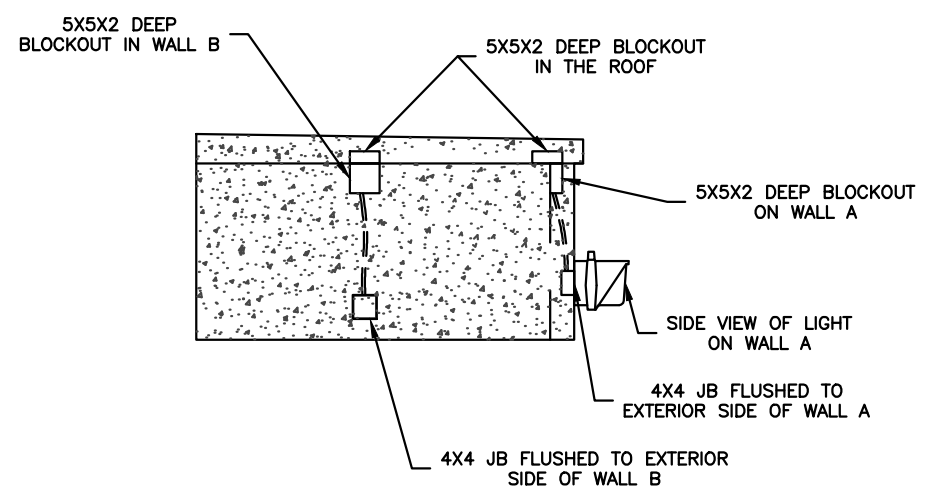
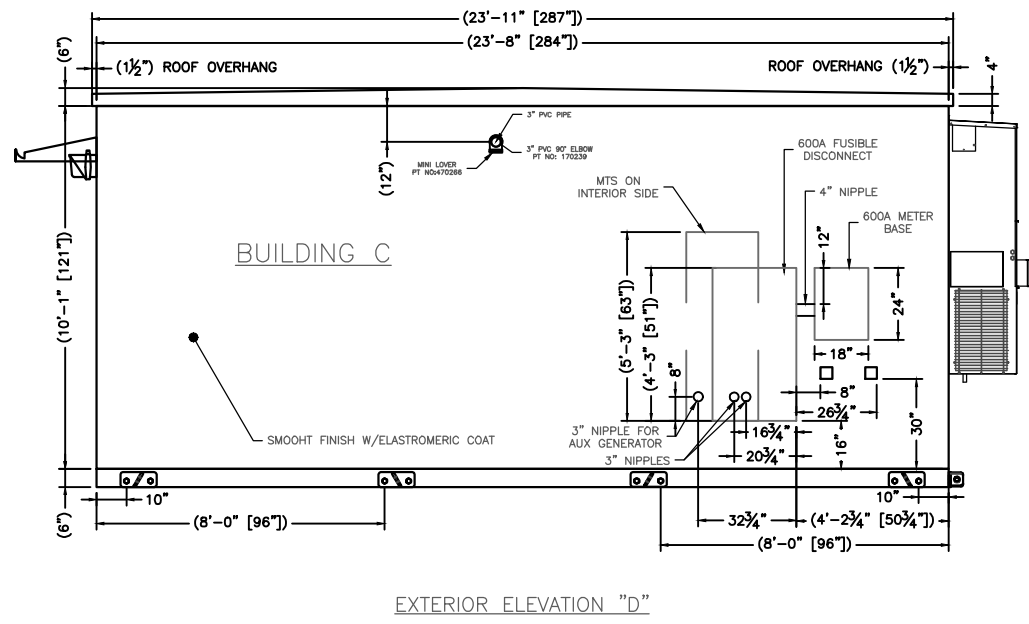
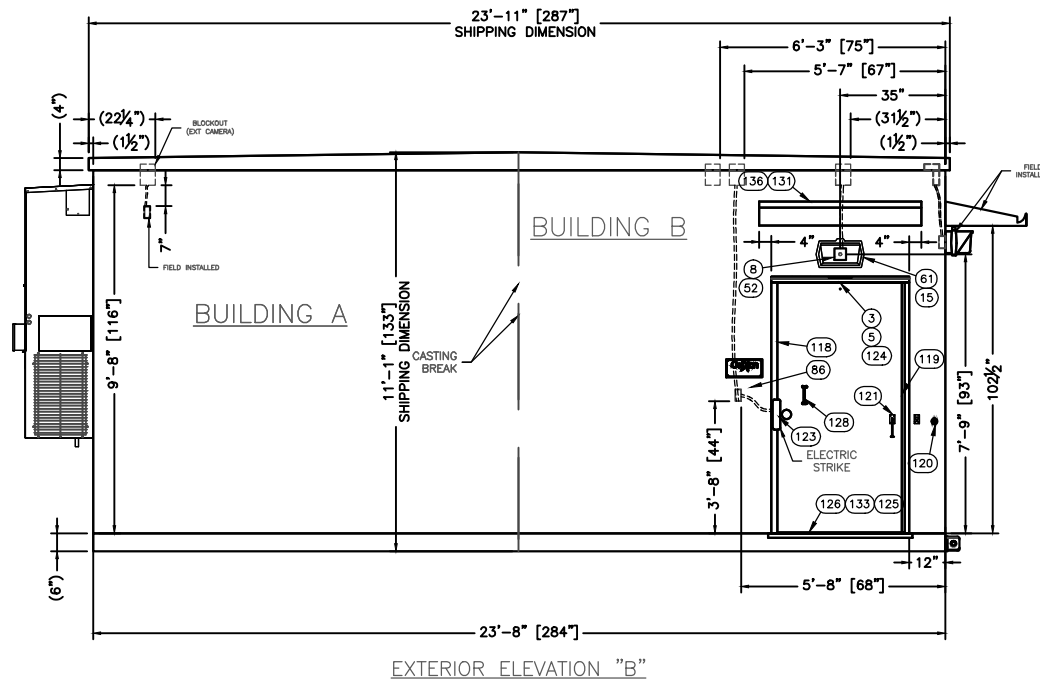
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CUSTOMER:
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PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER EXTERIOR ELEVATIONS "B" & "D"

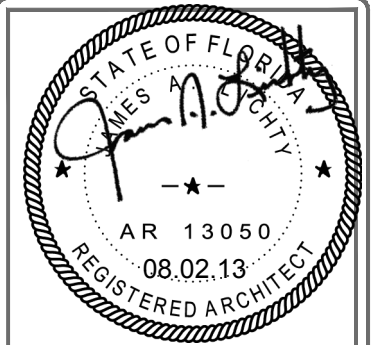
FILENAME: SALF01	
SCALE: 3/16" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 1-2	
DRAWING NO.: SALF01	REV.: G



PFS APPROVED
 DATE 8/5/13
PFS CORPORATION
 Cottage Grove, WI

NOTE:
 1. ALL SMURF TUBE ARE 3/4" UNLESS NOTIFIED.

SUB-PARTS LIST		
ITEM	P/N	ORIGINAL DESCRIPTION
		PCS



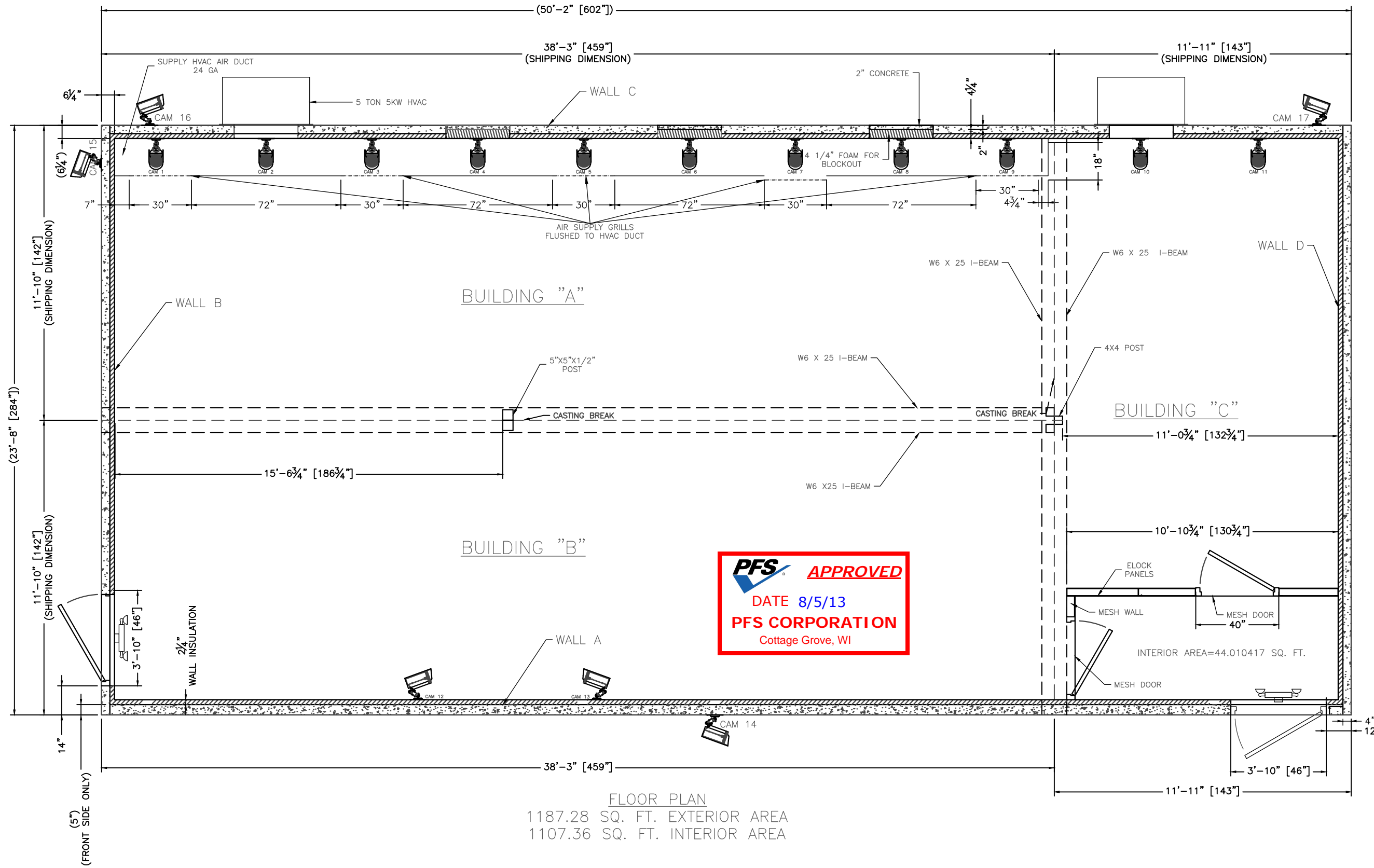
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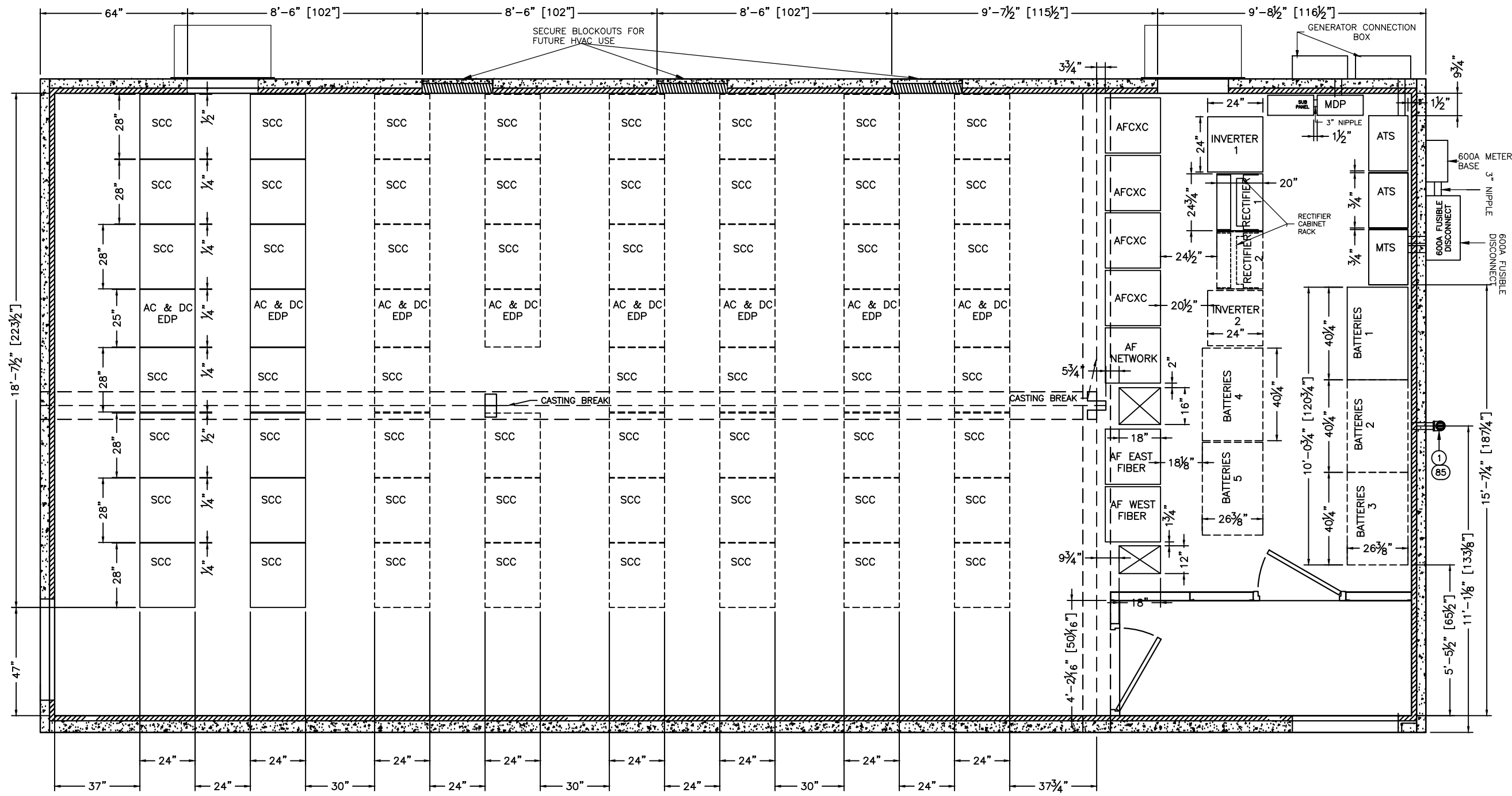
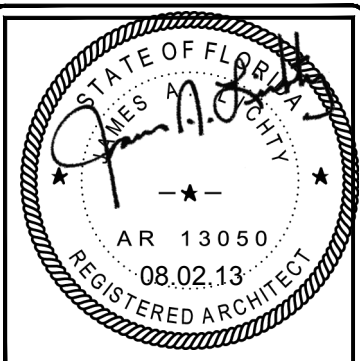
CUSTOMER:
ALLIED FIBER

PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER FLOOR PLAN SECURITY CAMERA LAYOUT

FILENAME: SALF01	
SCALE: 1/4" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 2-0	
DRAWING NO.: SALF01	REV.: G



FLOOR PLAN
 1187.28 SQ. FT. EXTERIOR AREA
 1107.36 SQ. FT. INTERIOR AREA



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CUSTOMER:
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PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER EQUIPMENT LAYOUT

REFLECTING CELING EQUIPMENT LAYOUT

Q(supply) = 1850 cfm.
 Q(outside) = 5% x Q(supply) = 92.5 cfm max outside

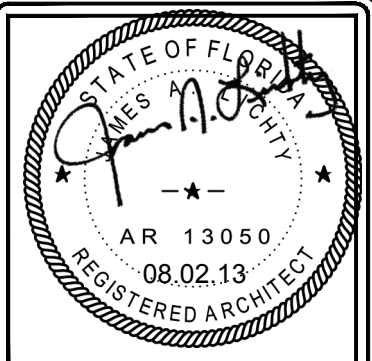
$\rho = 2.7 \text{ (ppsig + 14.7) / (TF + 459.7)}$
 $\rho(54^\circ\text{F}) = 0.07726 \text{ lb/ft}^3$
 $\rho(72^\circ\text{F}) = 0.07465 \text{ lb/ft}^3$

A (louver) = $80\% \times \lceil \lceil x r^2 = 0.8 \times 3.14 \times 1.5^2 = 5.65 \text{ in}^2$
 V (exhaust) = $19 / (5.65 / 144) = 484 \text{ fpm}$

Mass Flow Rate = density x volume flow rate = $\rho(\text{lb/ft}^3) \times Q (\text{ft}^3/\text{min})$
 $m1 = m2; m2 = 0.07465 \times 19 = 1.41835 \text{ lb/min of air}$
 $Q(\text{intake}) = m2 / \rho(\text{intake}) = 1.41835 / 0.07726 = 18.4 \text{ cfm}$
 $A(\text{supply}) = 30\text{in} \times 10\text{in} / 144 = 2.083 \text{ in}^2$
 $V(\text{supply}) = 1850 / 2.083 = 888 \text{ fpm}$
 The remaining 1831 cfm will be recirculated back through the HVAC.

- NOTES:
- EACH BATTERY RACK TO CONTAIN (24) GNB 3-100G33 VRLA BATTERIES AT 1600Ah EACH, WITH A TOTAL ELECTROLYTE CAPACITY OF 103 GALLONS. 48VDC CAPACITY OF 1600Ah.
 - BATTERIES TO PRODUCE 0.0026 CFH OF HYDROGEN REQUIRING 0.258 CFH OF FRESH AIR. SET FRESH AIR DAMPER ON HVAC UNIT TO 1% TO PROVIDE 19 CFM OF VENTILATION.
 - THERMAL RUNAWAY MANAGEMENT SYSTEM TO BE PROVIDED IN CUSTOMER FURNISHED EQUIPMENT RACK.

FILENAME: SALF01	
SCALE: 1/4" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 2-1	
DRAWING NO.:	REV.:
SALF01	G



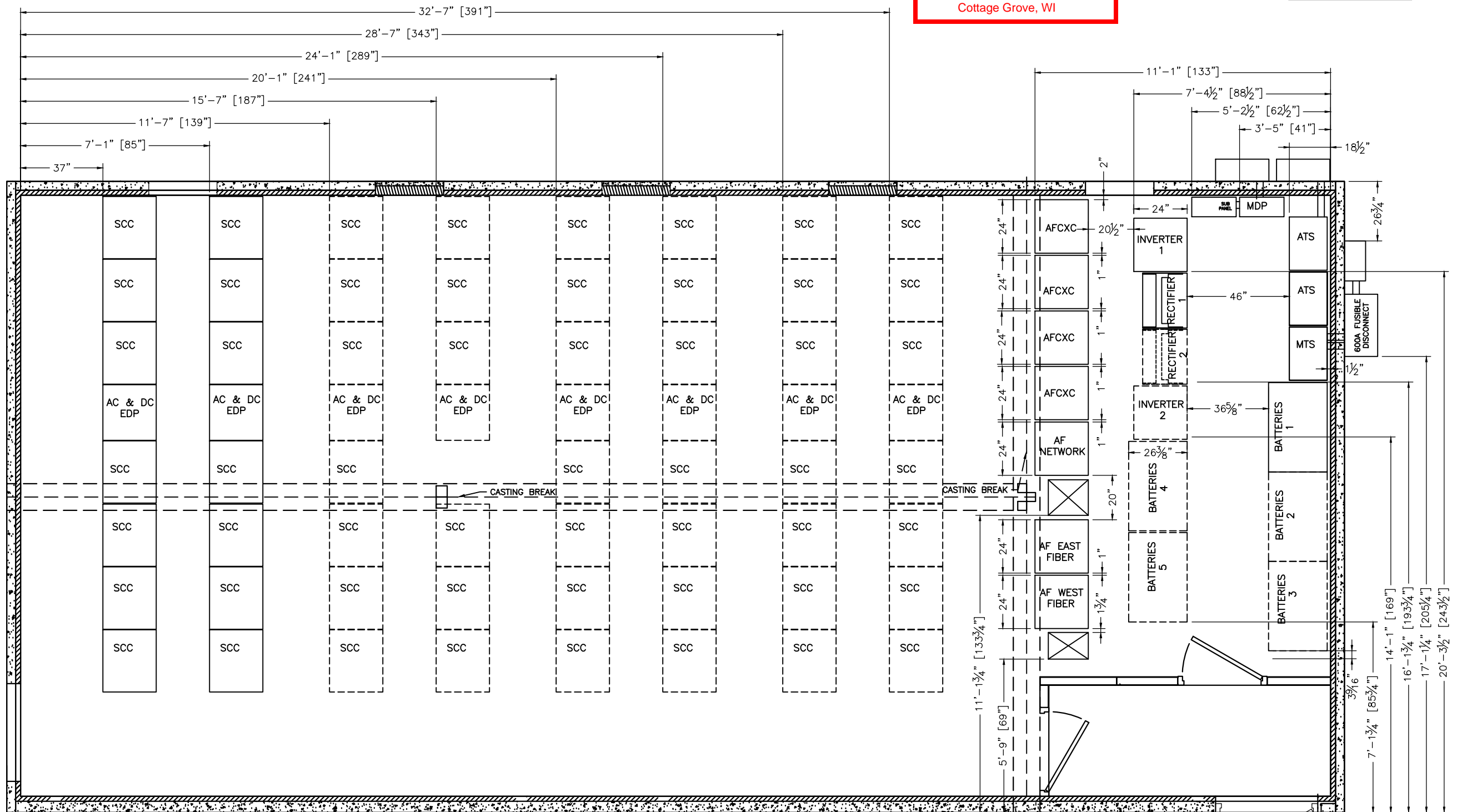
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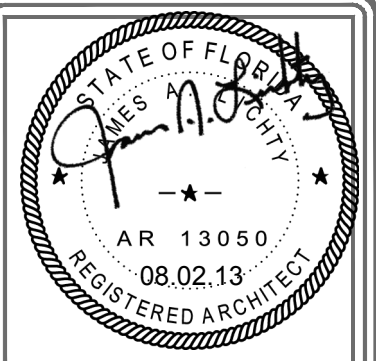
PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER EQUIPMENT LAYOUT

FILENAME: SALF01	
SCALE: 1/4" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 2-2	
DRAWING NO.: SALF01	REV.: G



REFLECTING CEILING EQUIPMENT LAYOUT

SUB-PARTS LIST				
ITEM	P/N	ORIGINAL DESCRIPTION	CUT	PCS
17	510017	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW	120"	21
18	510017	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW	93"	4
19	510017	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW	73"	6
20	510017	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW	89 3/4"	16
21	510017	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW	108"	6
22	510017	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW	56"	2
23	510017	UNISTRUT,1 5/8"CHANNEL,GOLDGALV,RAW	52 3/4"	1



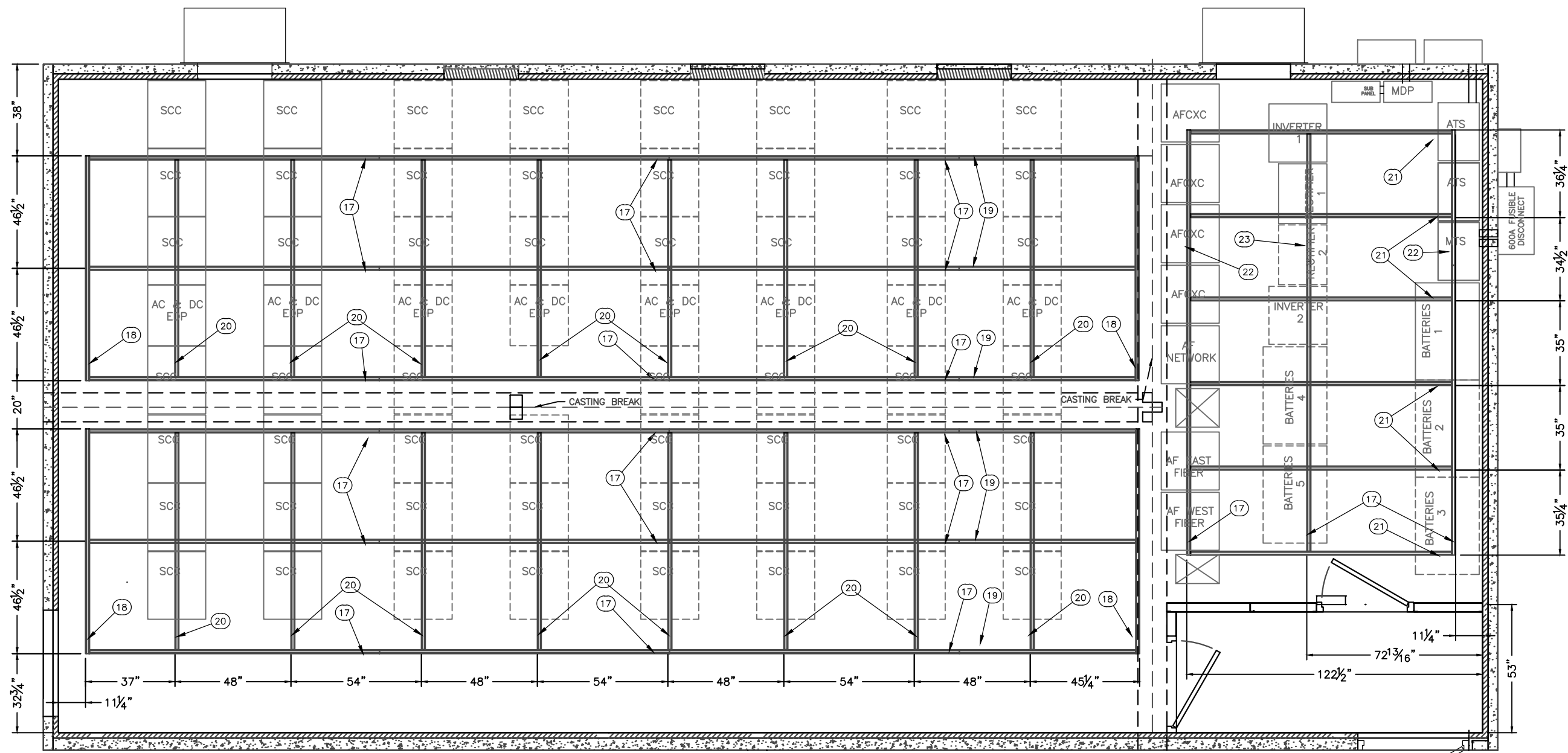
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CUSTOMER:
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PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER REFLECTED CEILING PLAN (UNISTRUT LAYOUT)

FILENAME: SALF01	
SCALE: 1/4" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 3-0	
DRAWING NO.: SALF01	REV.: G

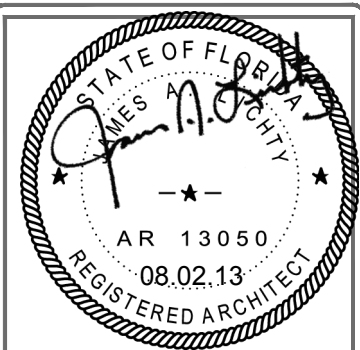


REFLECTED CEILING PLAN
 MECHANICAL
 (UNISTRUT LAYOUT)

SUB-PARTS LIST		
ITEM	P/N	ORIGINAL DESCRIPTION
		CUT

PFS APPROVED
 DATE 8/5/13
PFS CORPORATION
 Cottage Grove, WI

ALLIED FIBER
 AMERICA'S 'ALL ACCESS' NETWORK
 interconnect Miami
 datacenters



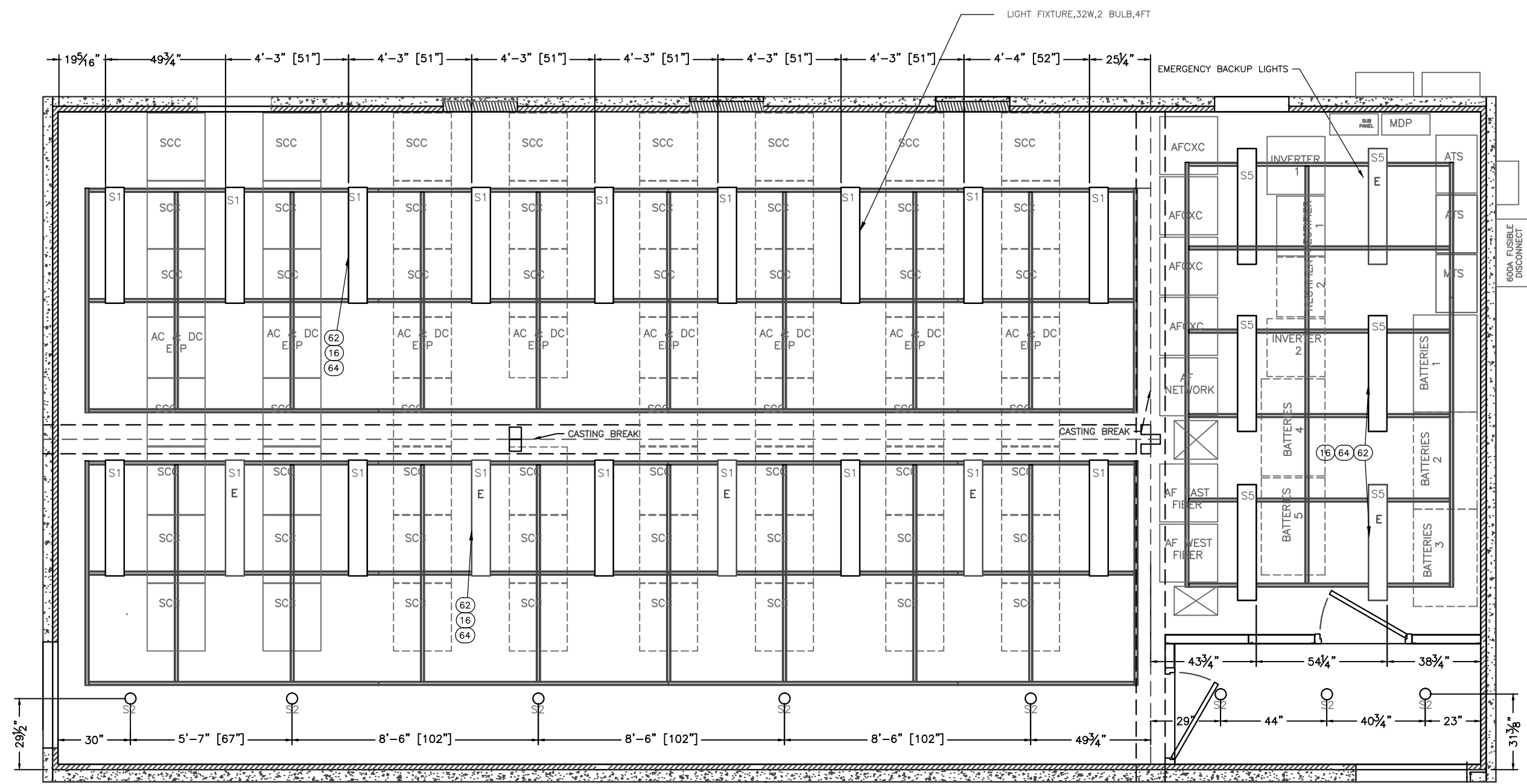
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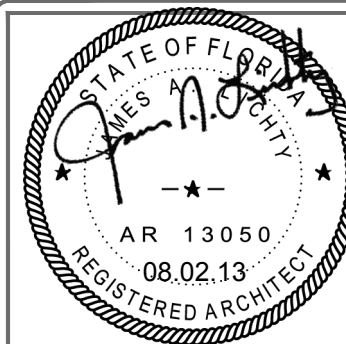
CUSTOMER:
ALLIED FIBER

PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER REFLECTED CEILING PLAN (LIGHT LAYOUT)

FILENAME: SALF01	
SCALE: 1/4" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 3-1	
DRAWING NO.: SALF01	REV.: G



REFLECTED CEILING PLAN
 MECHANICAL
 (LIGHT LAYOUT)



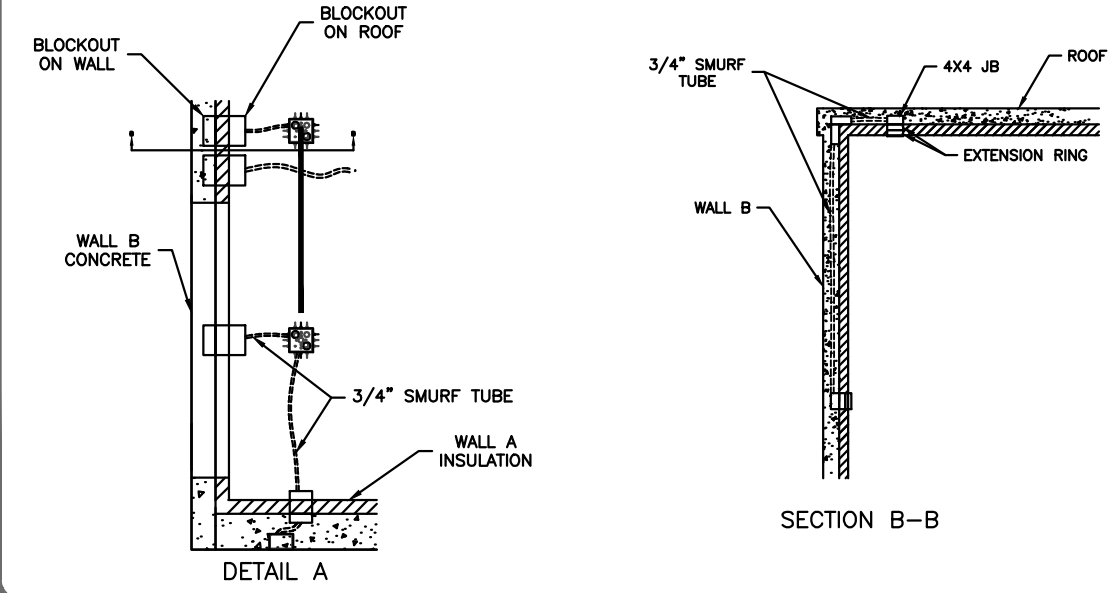
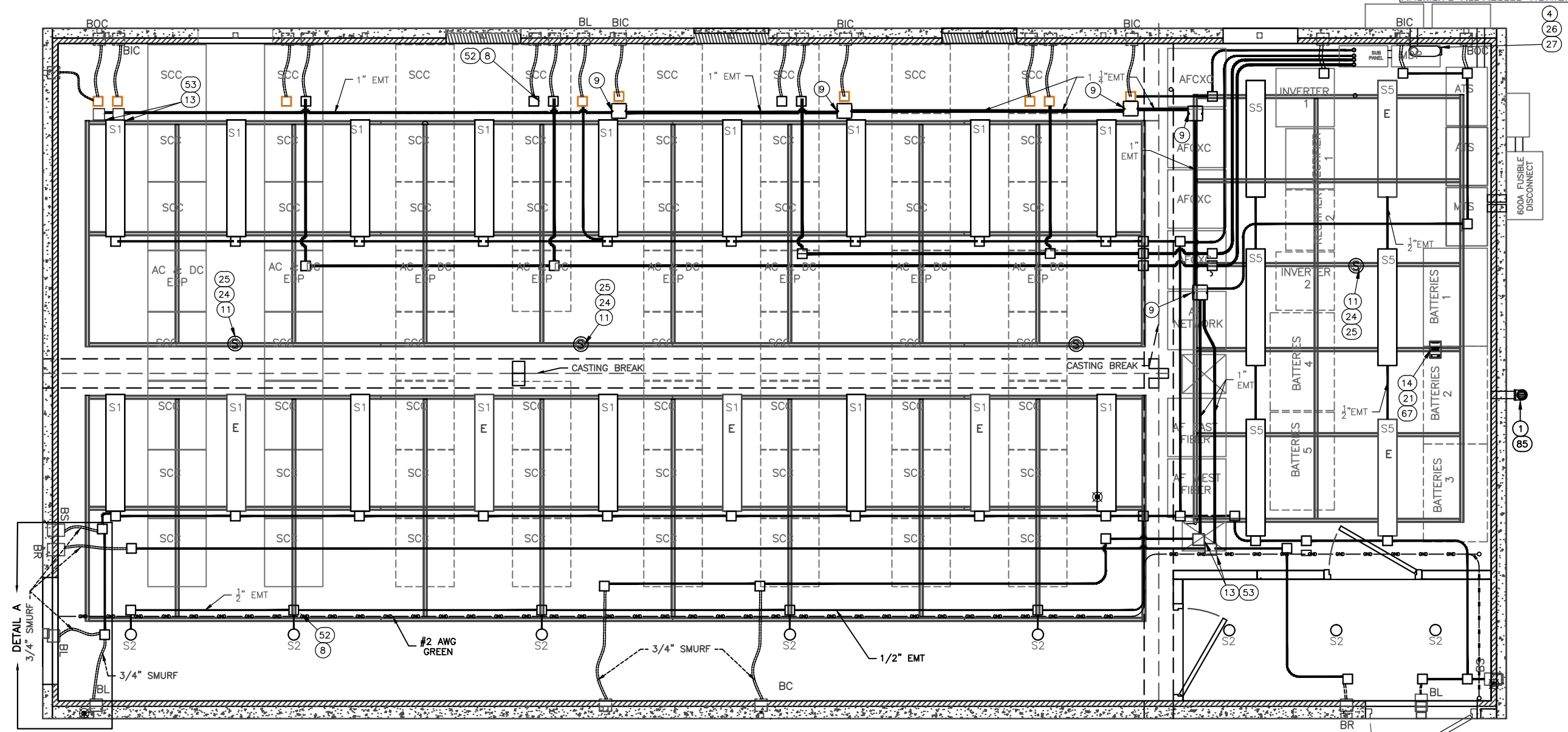
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CUSTOMER:
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PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER REFLECTED CEILING PLAN (LIGHT LAYOUT)

FILENAME: SALF01	
SCALE: 1/4" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 3-2	
DRAWING NO.: SALF01	REV.: G



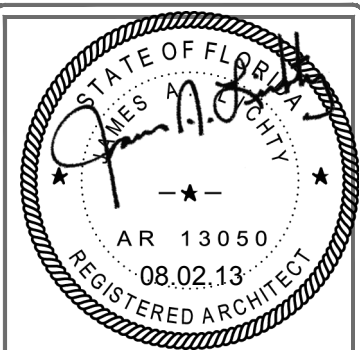
PFS APPROVED
DATE 8/5/13
PFS CORPORATION
Cottage Grove, WI

- NOTES:
- 1 E = EMERGENCY BACKUP BALLAST IN LIGHTS
 2. ALL CONDUITS ARE 3/4" UNLESS NOTED.
 3. ALL BOX ARE 4X4 JB UNLESS NOTED.
 4. BOC= BLOCKOUTS FOR OUTSIDE CAMERAS
 5. BL = BLOCKOUTS FOR OUTSIDE LIGHTS
 6. BS = BLOCKOUTS FOR INTERIOR SWITCH
 7. BR = BLOCKOUTS FOR CARD READER.
 8. BIC= BLOCKOUTS FOR INTERIOR CAMERAS

SUB-PARTS LIST			
ITEM	P/N	ORIGINAL DESCRIPTION	PCS



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 DATE 8/5/13
PFS CORPORATION
 Cottage Grove, WI



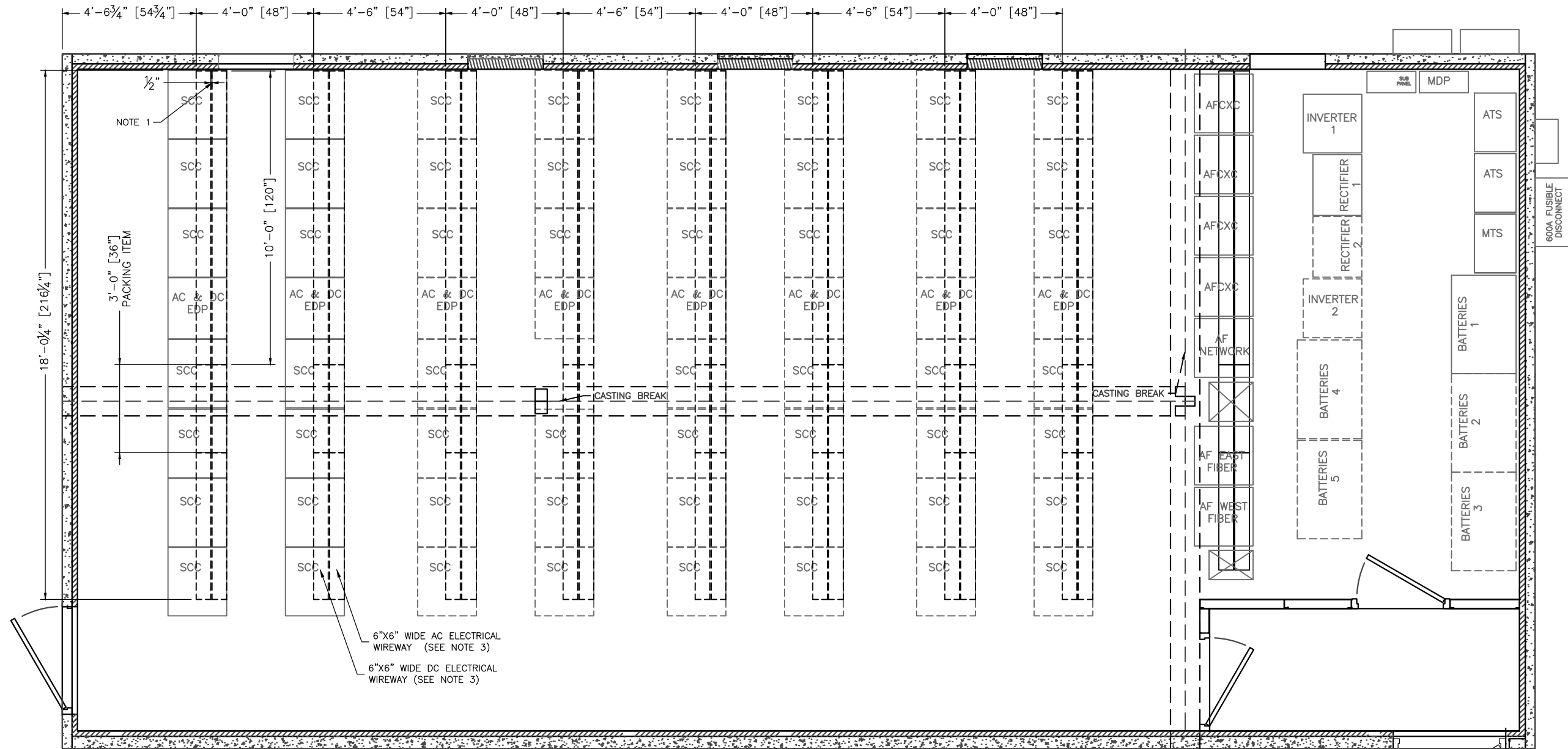
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CUSTOMER:
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PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER REFLECTED CEILING PLAN (WIRE WAY)

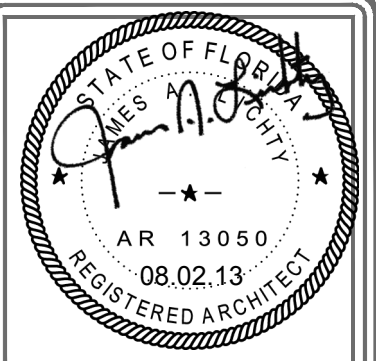
FILENAME: SALF01	
SCALE: 1/4" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 3-3	
DRAWING NO.: SALF01	REV.: G



- NOTES:
- 0.5IN GAP IS LEFT BETWEEN AC AND DC LOWER ELECTRICAL WIREWAY.
 - BOND WIREWAY BACK TO HALO WITH A #6 AWG. POINT BACK TO GROUND BAR.
 - 6X6 WIREWAY IS CUSTOMER SUPPLIED.

**REFLECTED CEILING
 LOWER ELECTRICAL WIREWAY**

SUB-PARTS LIST				
ITEM	P/N	ORIGINAL DESCRIPTION	CUT	PCS
97	510377	WIRE BASKET TROUGH, 24", BLACK	32"	1
98	510377	WIRE BASKET TROUGH, 24", BLACK	118"	3
99	510377	WIRE BASKET TROUGH, 24", BLACK	45 3/4"	2
100	510377	WIRE BASKET TROUGH, 24", BLACK	80 1/4"	1
101	510378	WIRE BASKET TROUGH, 8", BLACK	118"	3
102	510378	WIRE BASKET TROUGH, 8", BLACK	45 3/4"	1
103	510378	WIRE BASKET TROUGH, 8", BLACK	32"	1
104	510378	WIRE BASKET TROUGH, 8", BLACK	48"	1
105	510378	WIRE BASKET TROUGH, 8", BLACK	67"	1
106	510378	WIRE BASKET TROUGH, 8", BLACK	23"	1



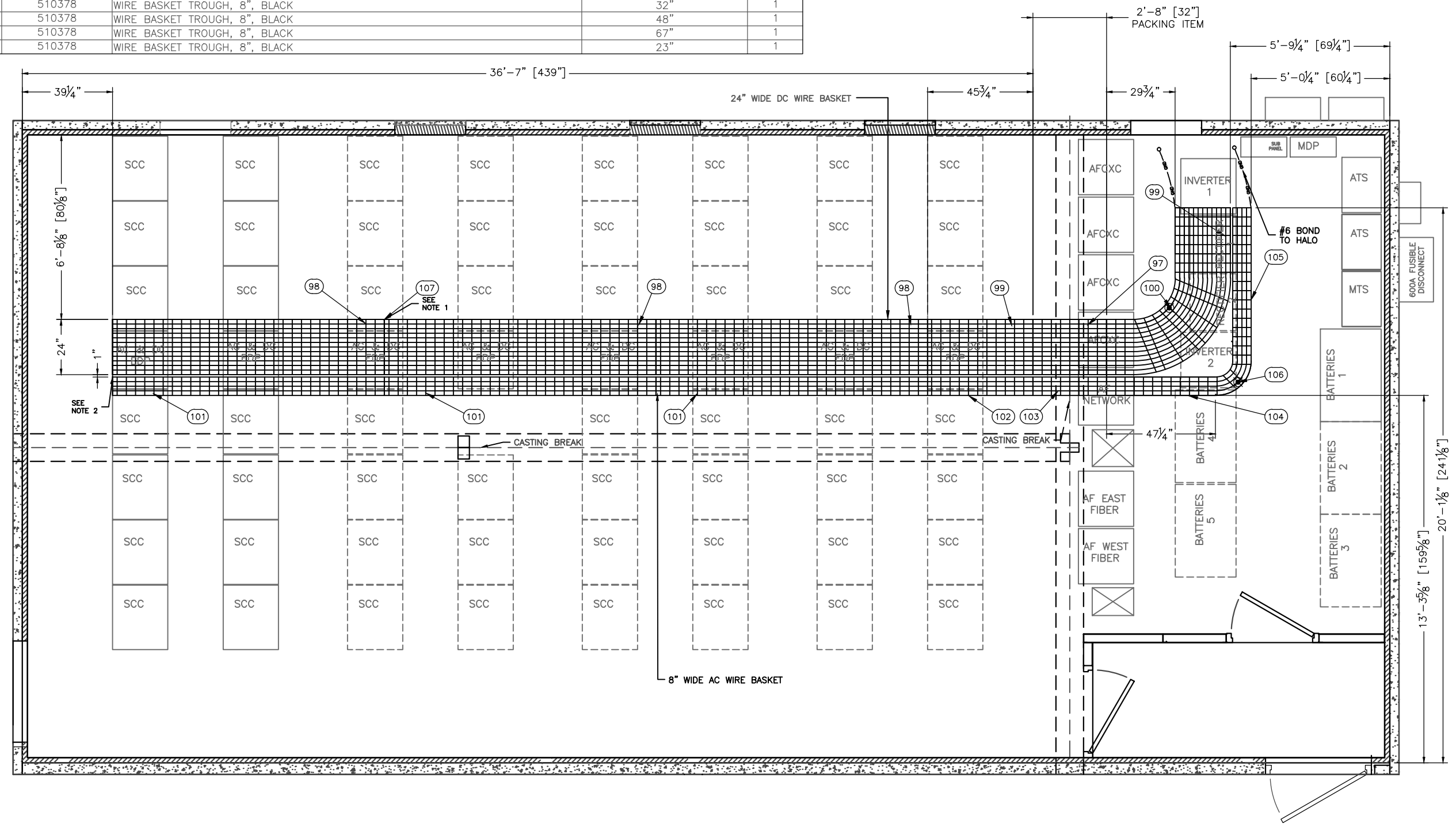
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CUSTOMER:
ALLIED FIBER

PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER REFLECTED CEILING PLAN (WIRE BASKET)

FILENAME: SALF01	
SCALE: 1/4" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 3-4	
DRAWING NO.: SALF01	REV.: G

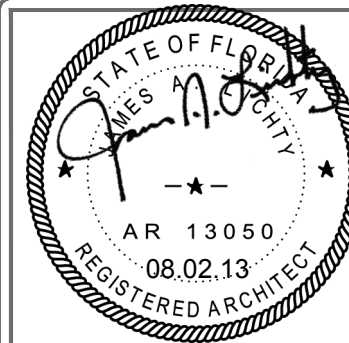


- NOTE:
- SPLICE STRIGHT SECTION USING SPLICE KIT AND BAR SPLICE (PN: 510383 & 510382).
 - 1 INCH GAP BETWEEN 24" DC WIRE BASKET AND 8" AC WIRE BASKET.

REFLECTED CEILING PLAN
 UPPER ELECTRICAL WIRE BASKET LAYOUT

SUB-PARTS LIST				
ITEM	P/N	ORIGINAL DESCRIPTION	CUT	PCS
73	410615	TROUGH, STRAIGHT, 12"X12"X72"	25"	1
74	410615	TROUGH, STRAIGHT, 12"X12"X72"	72"	6
75	410615	TROUGH, STRAIGHT, 12"X12"X72"	61"	3
108	510610	TROUGH, STRAIGHT, 4"X4"X72"	48 1/2"	2
109	510610	TROUGH, STRAIGHT, 4"X4"X72"	72"	2
110	510610	TROUGH, STRAIGHT, 4"X4"X72"	23 1/4"	2
111	510610	TROUGH, STRAIGHT, 4"X4"X72"	28 1/4"	2

PFS APPROVED
 DATE 8/5/13
PFS CORPORATION
 Cottage Grove, WI



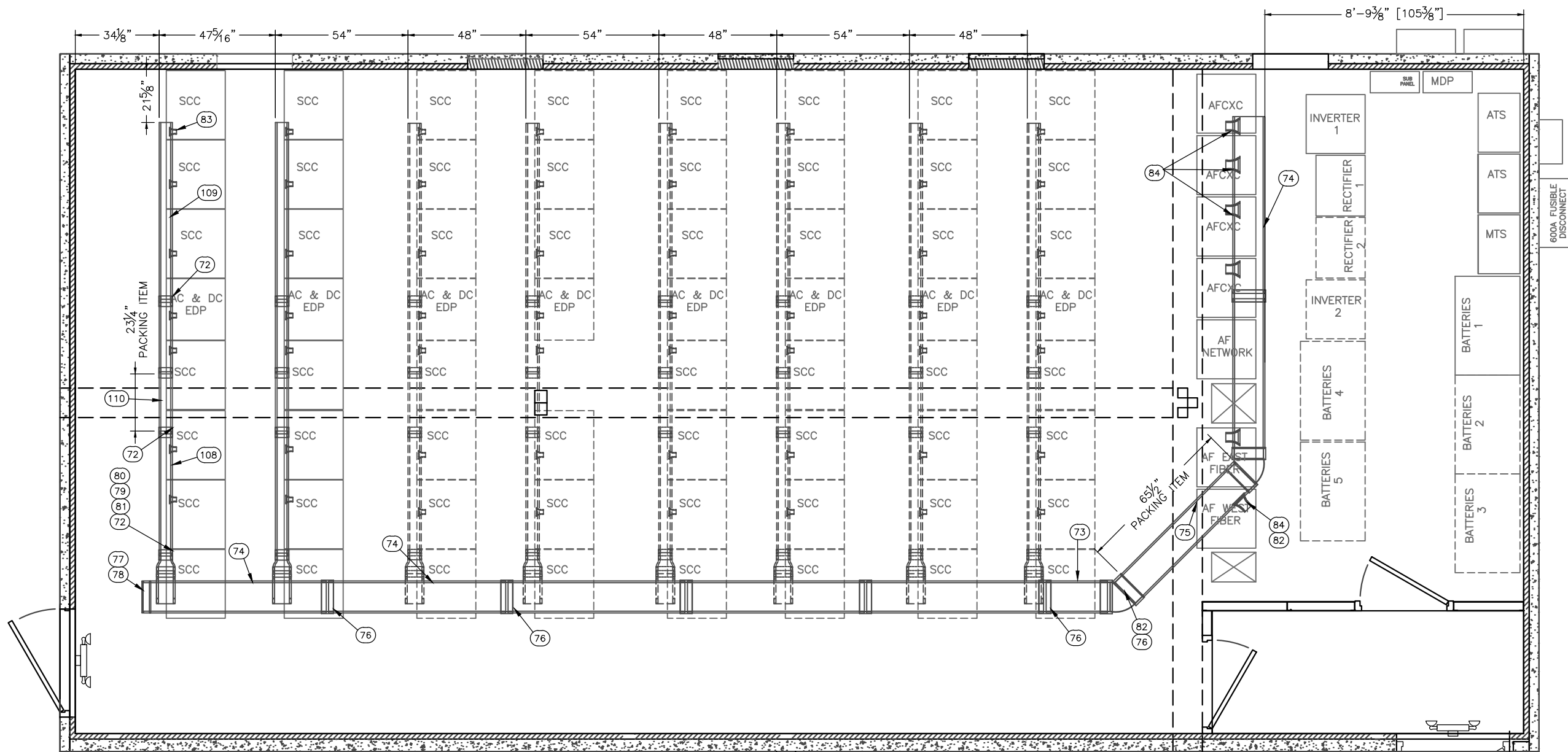
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CUSTOMER:
ALLIED FIBER

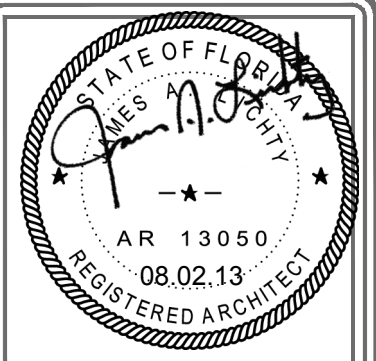
PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER REFLECTED CEILING PLAN (FIBER TROUGH)

FILENAME: SALF01	
SCALE: 1/4" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 3-5	
DRAWING NO.: SALF01	REV.: G



REFLECTING CEILING PLAN
 FIBER TROUGH

SUB-PARTS LIST											
ITEM	P/N	DEPT	ORIGINAL DESCRIPTION	CUT	PCS	ITEM	P/N	DEPT	ORIGINAL DESCRIPTION	CUT	PCS
87	510000	50	CABLE LADDER,12"X9'8 1/2",YELLOW ZI	55"	1	92	510000	50	CABLE LADDER,12"X9'8 1/2",YELLOW ZI	63 3/4"	1
88	510000	50	CABLE LADDER,12"X9'8 1/2",YELLOW ZI	28 1/4"	1	93	510001	50	CABLE LADDER,6"X9'8 1/2",Y/Z	40"	8
89	510000	50	CABLE LADDER,12"X9'8 1/2",YELLOW ZI	116 1/2"	6	94	510001	50	CABLE LADDER,6"X9'8 1/2",Y/Z	43"	8
90	510000	50	CABLE LADDER,12"X9'8 1/2",YELLOW ZI	16"	1	95	510001	50	CABLE LADDER,6"X9'8 1/2",Y/Z	86"	8
91	510000	50	CABLE LADDER,12"X9'8 1/2",YELLOW ZI	9"	1						



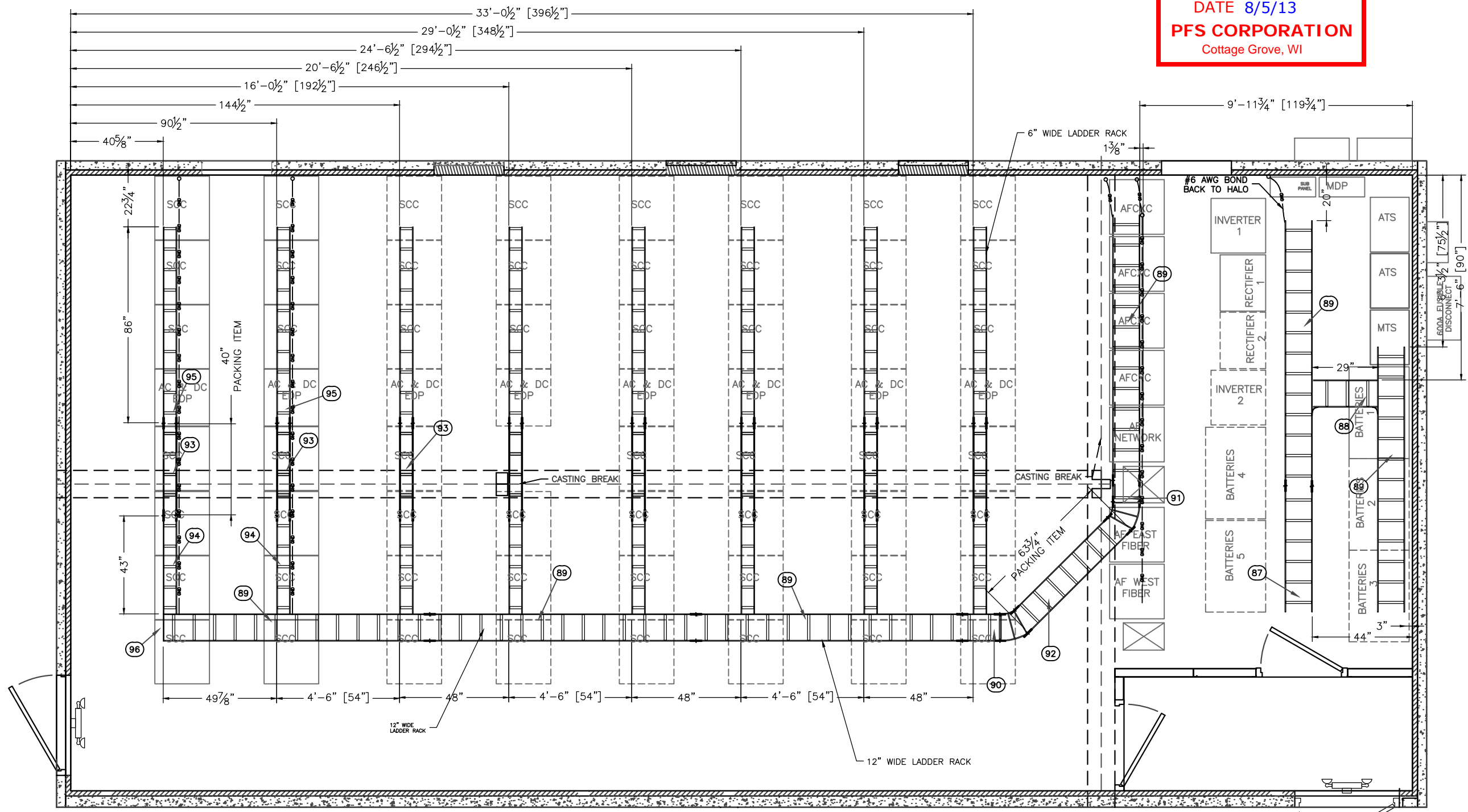
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PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER REFLECTED CEILING PLAN (LADDER RACK)

FILENAME: SALF01	
SCALE: 1/4" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 3-6	
DRAWING NO.:	REV.:
SALF01	G

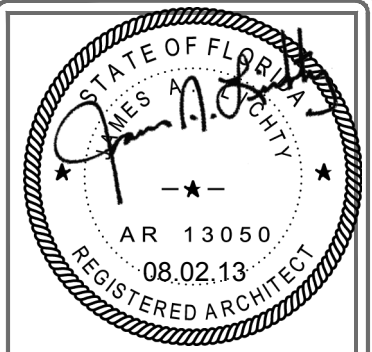


NOTE:
 1. ATTACH #6 AWG CONNECTED TO #2 AWG TO EACH EQUIPMENT RACK.

REFLECTING CEILING PLAN
 LADDER RACK

SUB-PARTS LIST			
ITEM	P/N	ORIGINAL DESCRIPTION	CUT

PFS APPROVED
 DATE 8/5/13
PFS CORPORATION
 Cottage Grove, WI



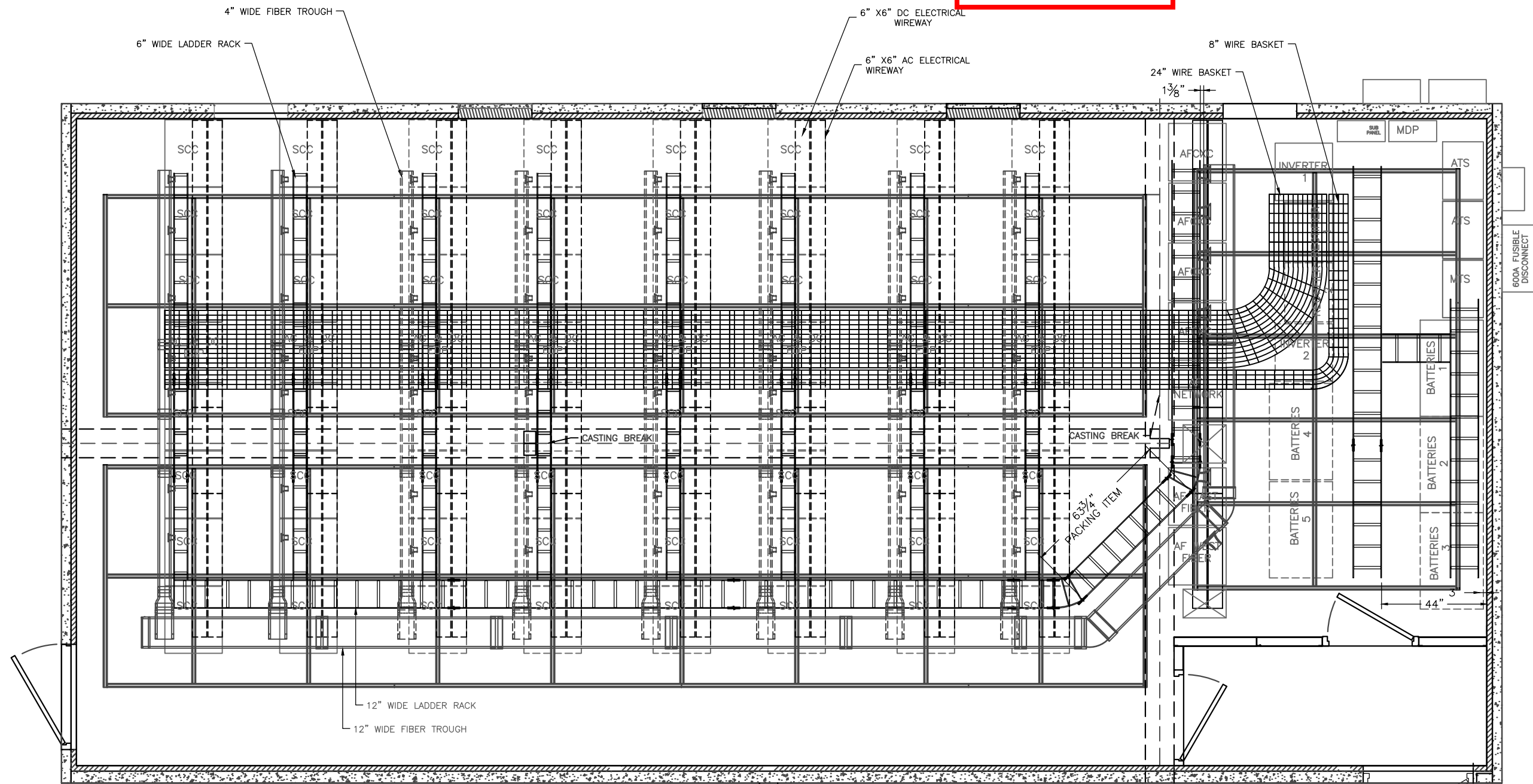
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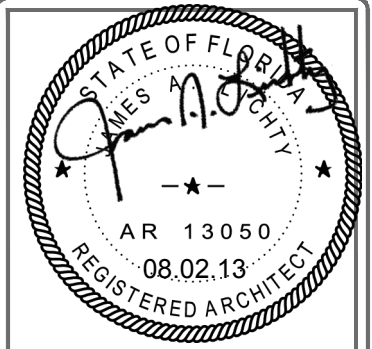
PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER REFLECTED CEILING PLAN (MECHANICAL)

FILENAME: SALF01	
SCALE: 1/4" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 3-7	
DRAWING NO.: SALF01	REV.: G

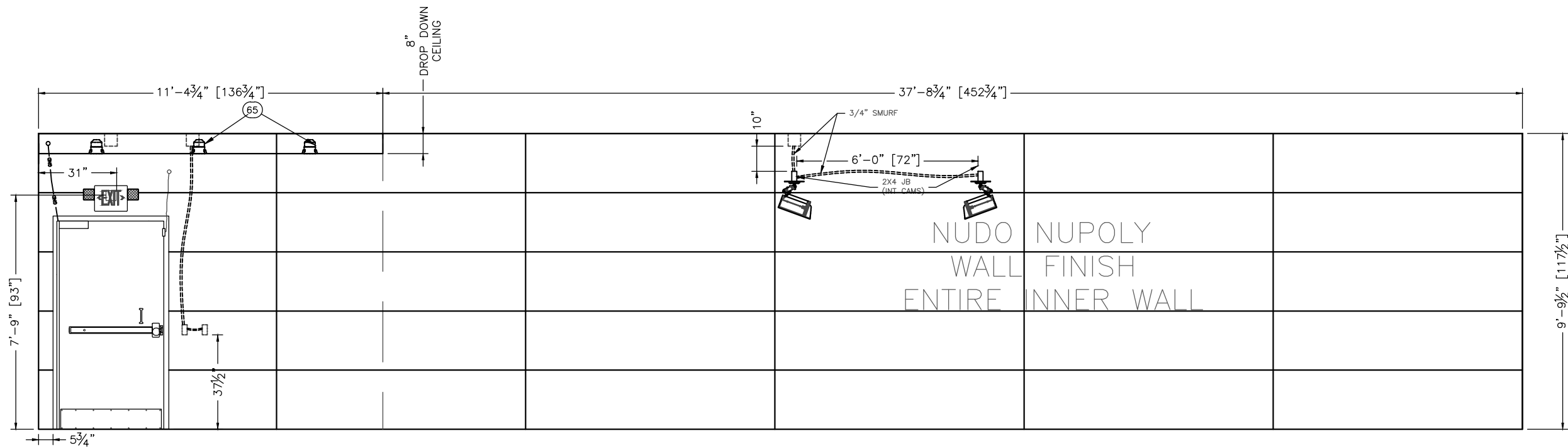


REFLECTING CEILING PLAN
 COMBINED

SUB-PARTS LIST			
ITEM	P/N	ORIGINAL DESCRIPTION	CUT



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INTERIOR ELEVATION "A"
(BUILDING B AND C)

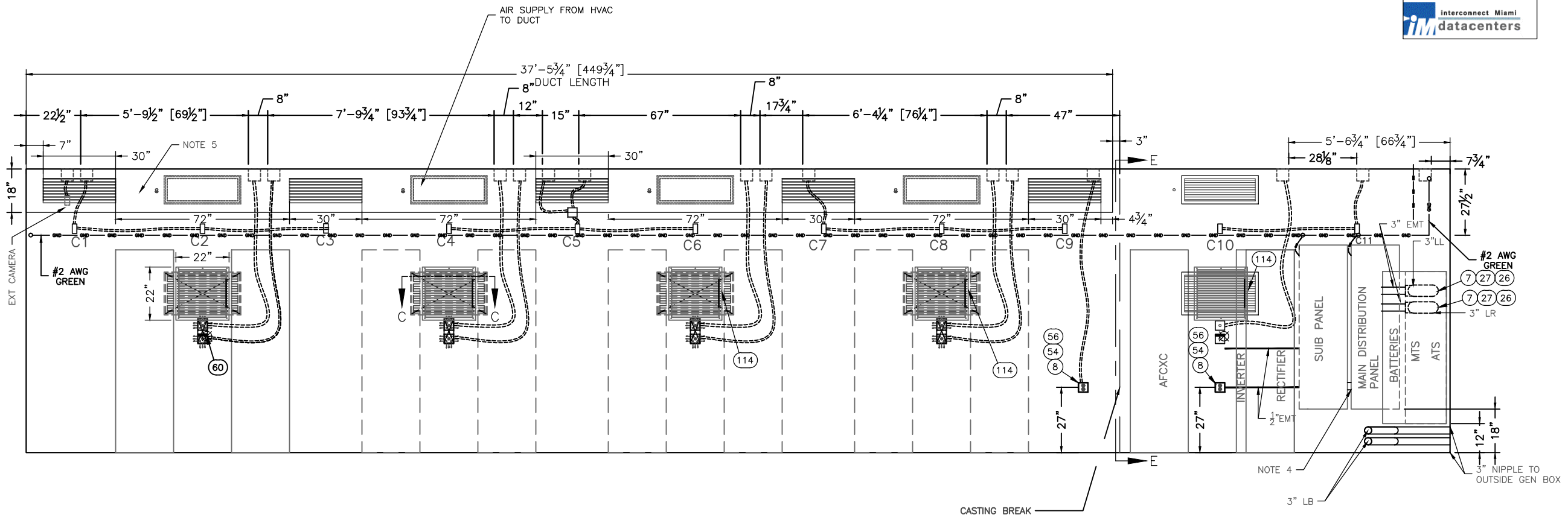
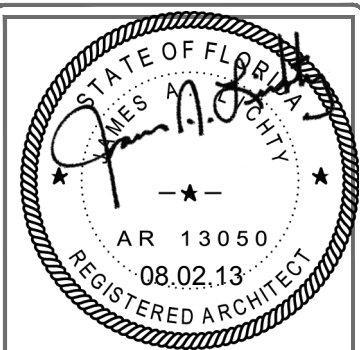


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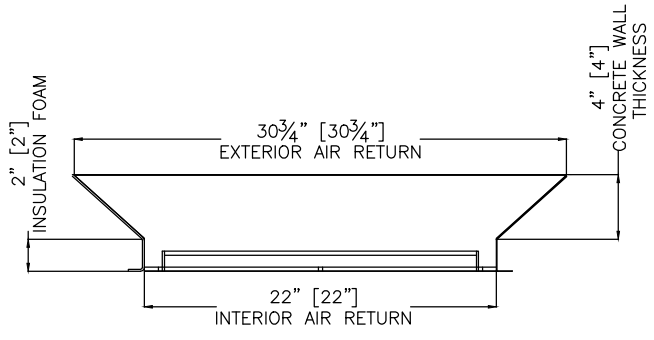
CUSTOMER:
ALLIED FIBER

PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER INTERIOR ELEVATION "A" (ELECTRICAL)

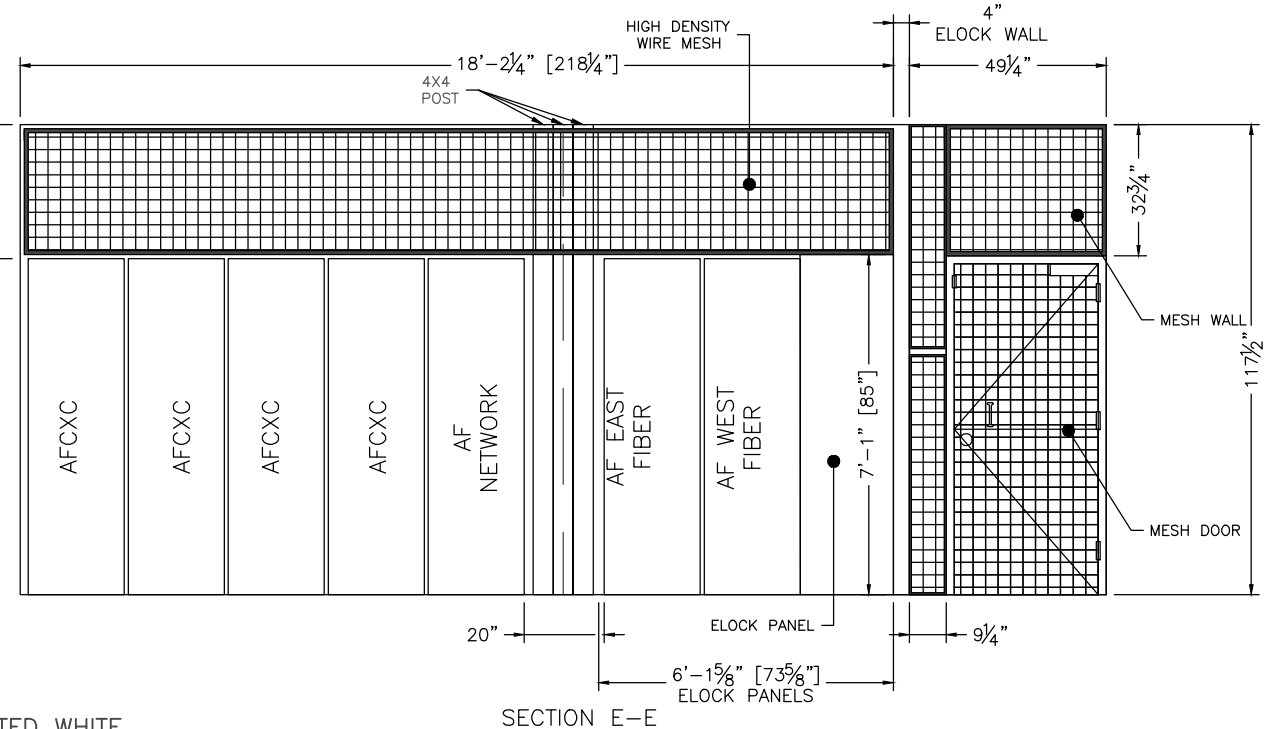
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DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 4-0	
DRAWING NO.: SALF01	REV.: G



INTERIOR WALL C
(ELECTRICAL)



SECTION C-C



SECTION E-E

- NOTES:
1. ALL SMURF TUBE ARE $\frac{3}{4}$ " UNLESS NOTED.
 2. ALL CONDUIT ARE $\frac{3}{4}$ " UNLESS NOTED.
 3. JC= 2X4 JB FOR CAMERAS
 4. 3IN NIPPLE CONNECTING BETWEEN SUB PANEL AND MDP.
 5. HVAC SUPPLY DUCTING TO BE MADE FROM 24 GAUGE GALVANNEAL SHEET METAL AND TO BE PAINTED WHITE.

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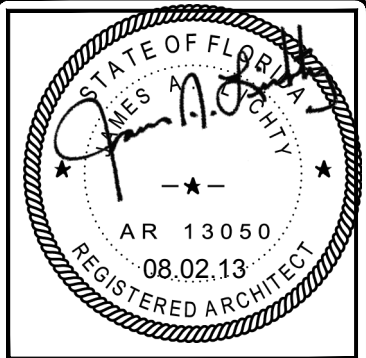
CUSTOMER:
ALLIED FIBER

PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER INTERIOR ELEVATION "C" (ELECTRICAL)

FILENAME: SALF01	
SCALE: 1/4" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13

SHEET NO.
4-1

DRAWING NO.:	REV.:
SALF01	G



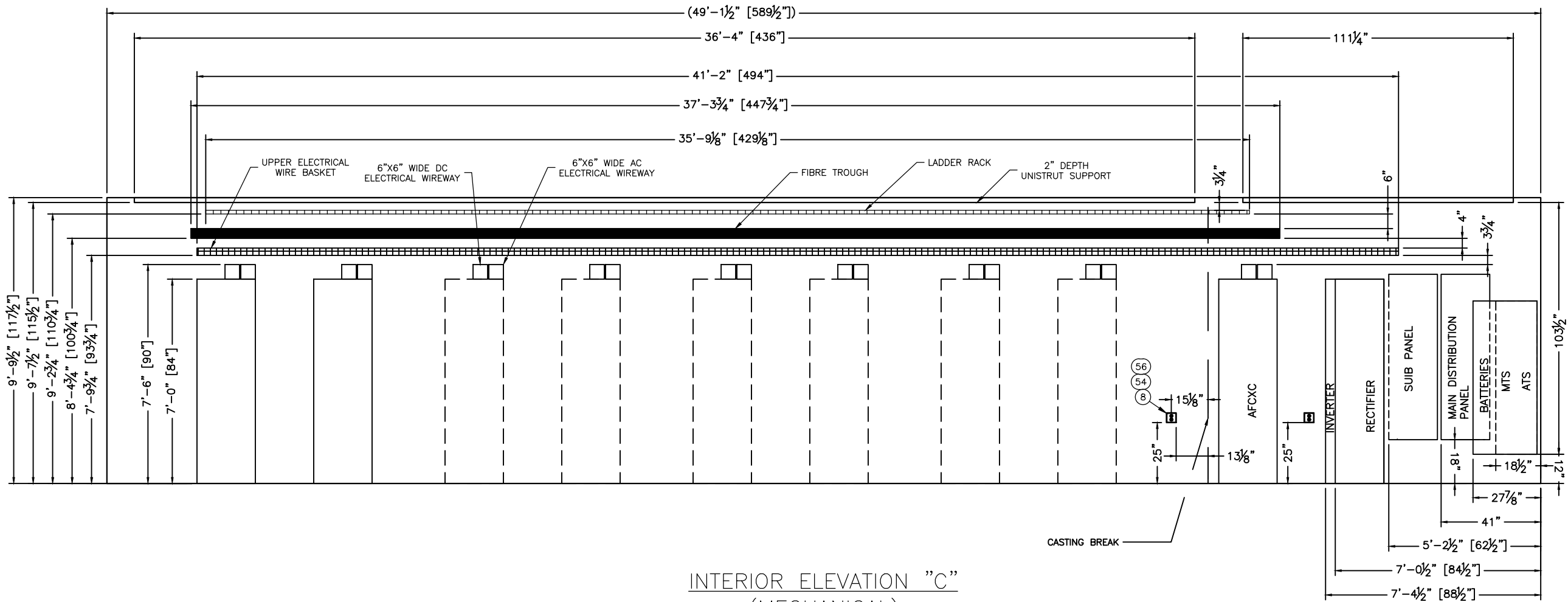
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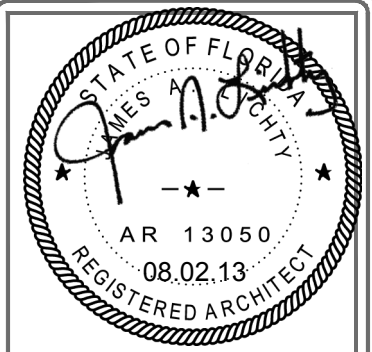
PROJECT:
 23'-8" X 50'-2"
 CONCRETE SHELTER
 INTERIOR ELEVATION
 "C" (MECHANICAL)

FILENAME: SALF01	
SCALE: 1/4" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 4-2	
DRAWING NO.: SALF01	REV.: G



INTERIOR ELEVATION "C"
 (MECHANICAL)





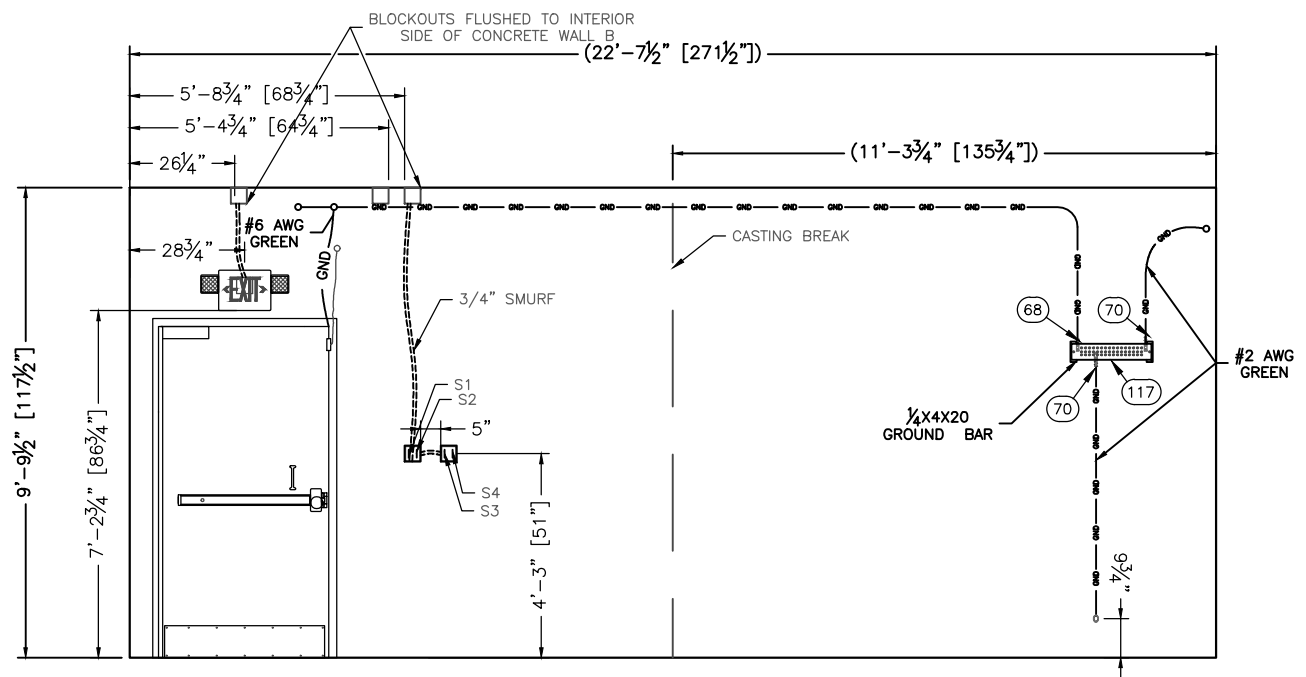
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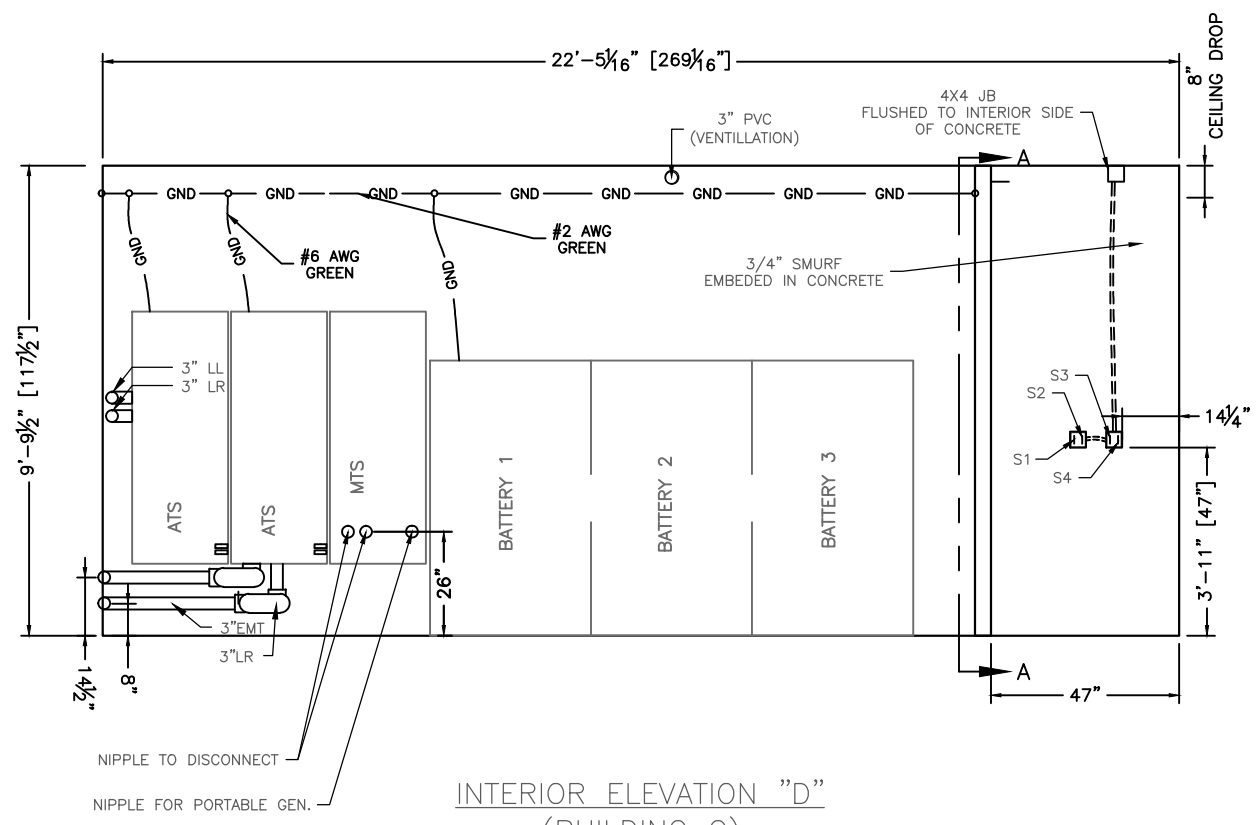
CUSTOMER:
ALLIED FIBER

PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER INTERIOR ELEVATIONS "B" & "D" (ELECTRICAL)

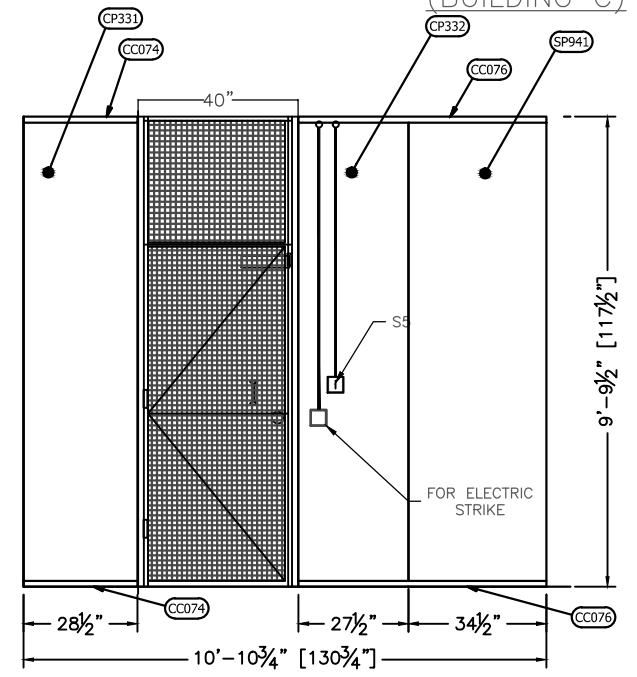
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DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 4-3	
DRAWING NO.: SALF01	REV.: G



INTERIOR ELEVATION "B"
 (BUILDING A AND B)

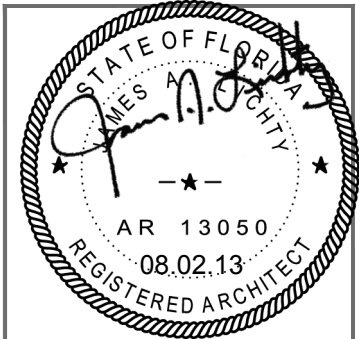


INTERIOR ELEVATION "D"
 (BUILDING C)

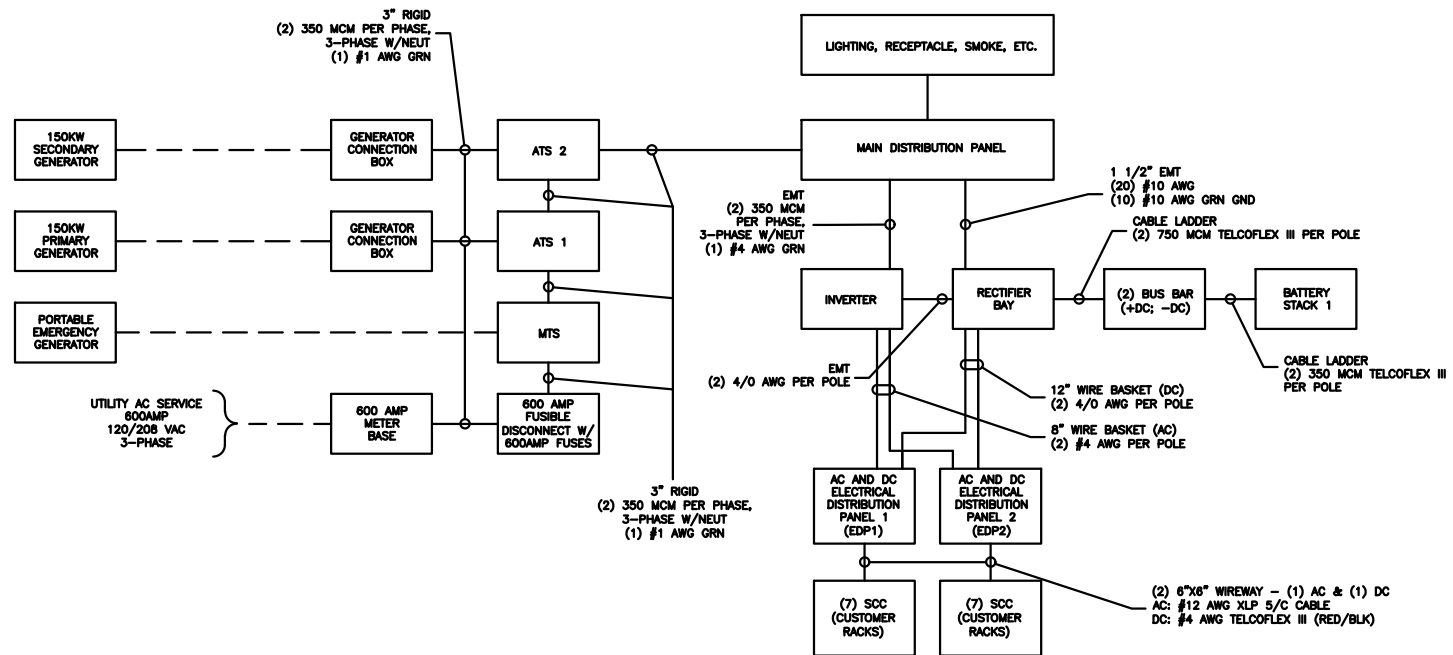


SECTION A-A

SUB-PARTS LIST			
ITEM	P/N	ORIGINAL DESCRIPTION	CUT



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CUSTOMER:
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PROJECT:
23'-8" X 50'-2"
CONCRETE SHELTER
ELECTRICAL ONE-LINE

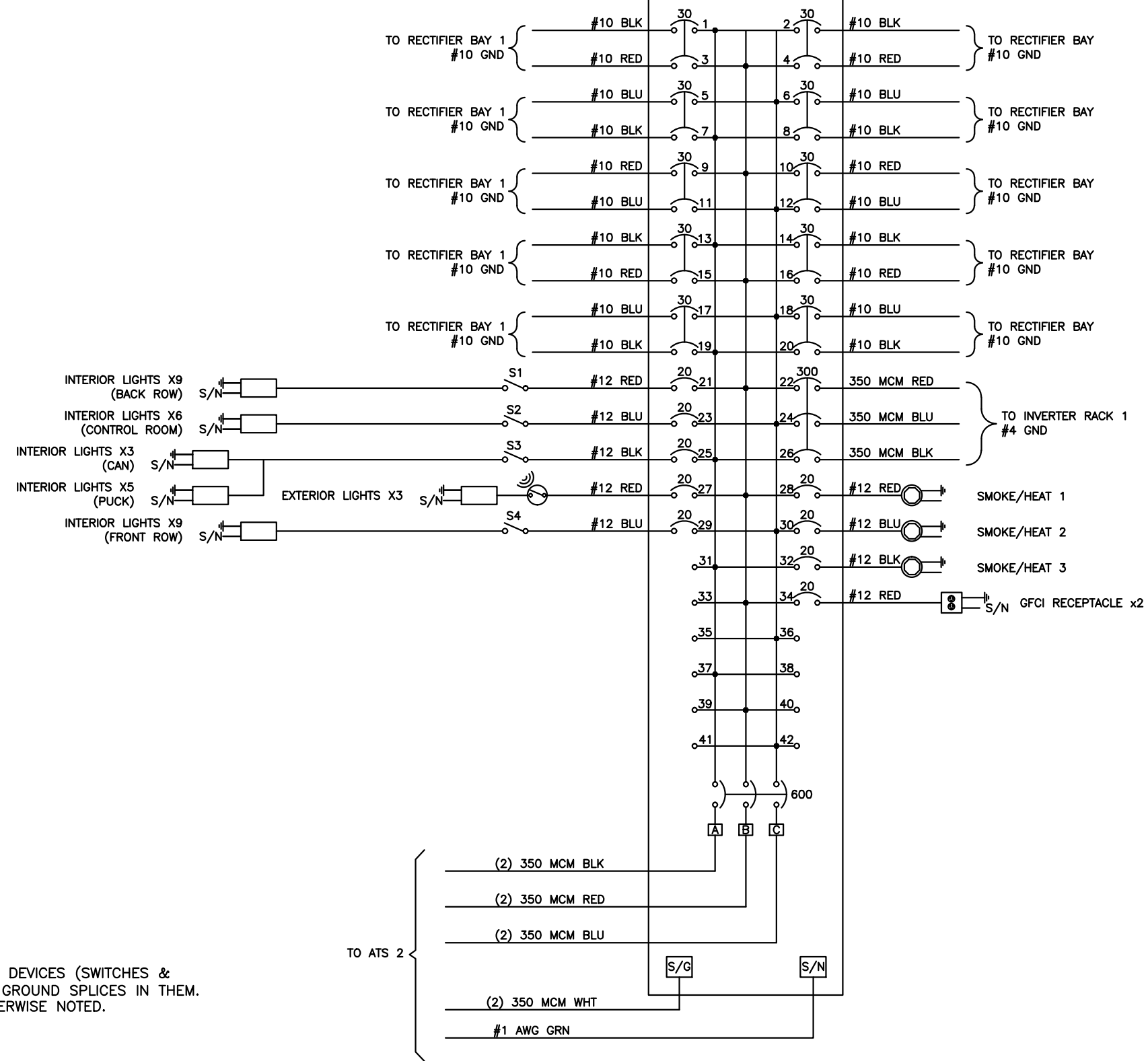


FILENAME: SALF01	
SCALE: 3/8" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 5-0	
DRAWING NO.: SALF01	REV.: G

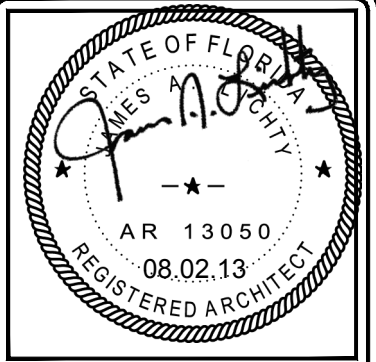


MAIN DISTRIBUTION PANEL

600A, 120/208V, 3PH, 4W, 60HZ



- NOTES:
1. BOND ALL BOXES TO GROUND THAT CONTAIN DEVICES (SWITCHES & RECEPTACLES) AND THAT HAVE CIRCUIT AND GROUND SPLICES IN THEM.
 2. ALL CONDUCTORS TO BE THHN UNLESS OTHERWISE NOTED.



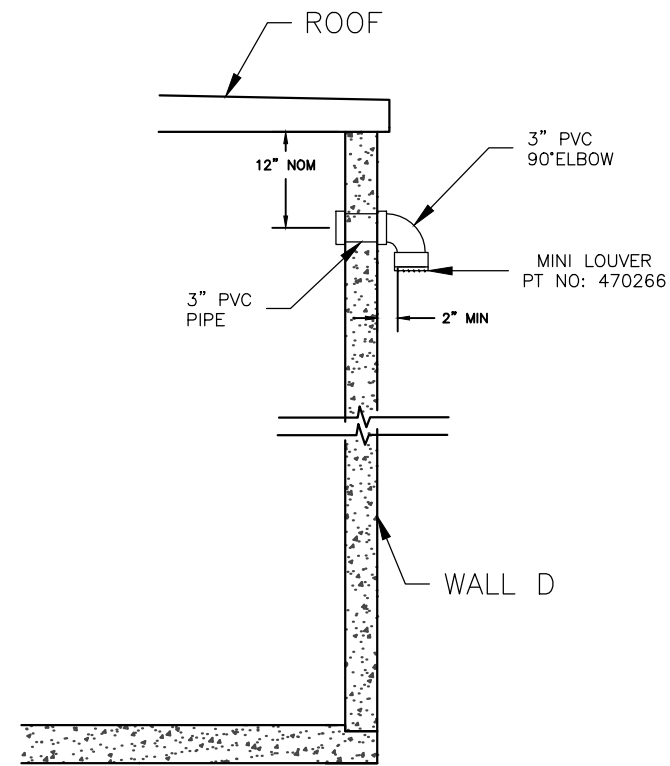
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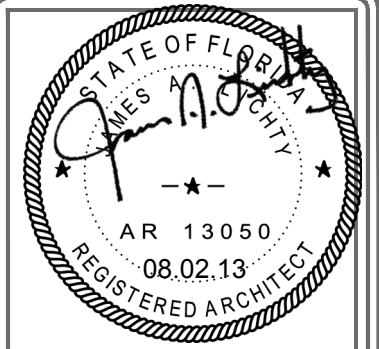
CUSTOMER:
ALLIED FIBER

PROJECT:
 23'-8" X 50'-2"
 CONCRETE SHELTER
 MAIN DISTRIBUTION PANEL

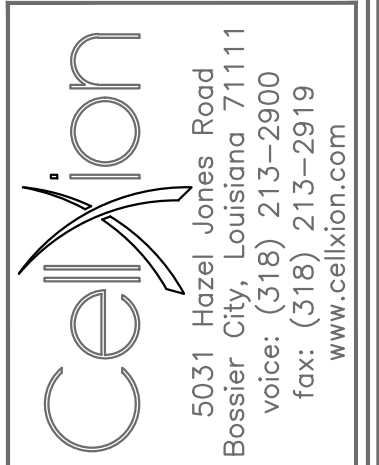
FILENAME: SALF01	
SCALE: 3/8" = 1'-0"	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 5-1	
DRAWING NO.: SALF01	REV.: G



PVC VENTILATION ON
WALL D



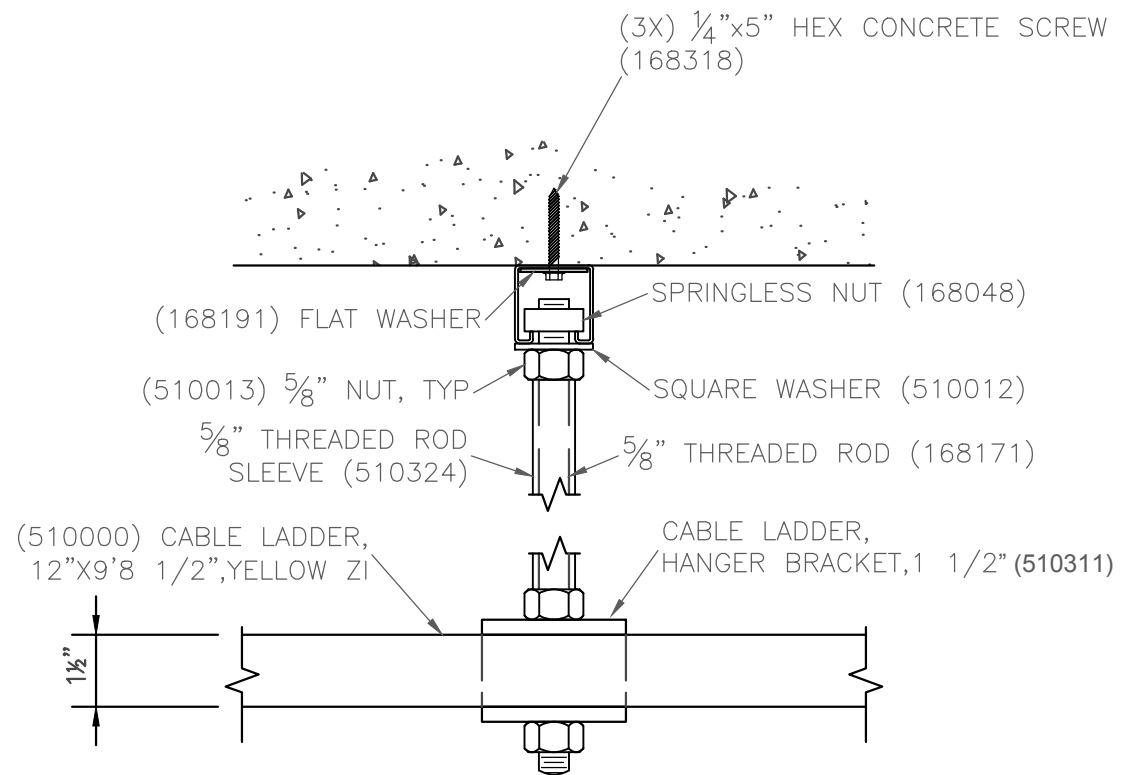
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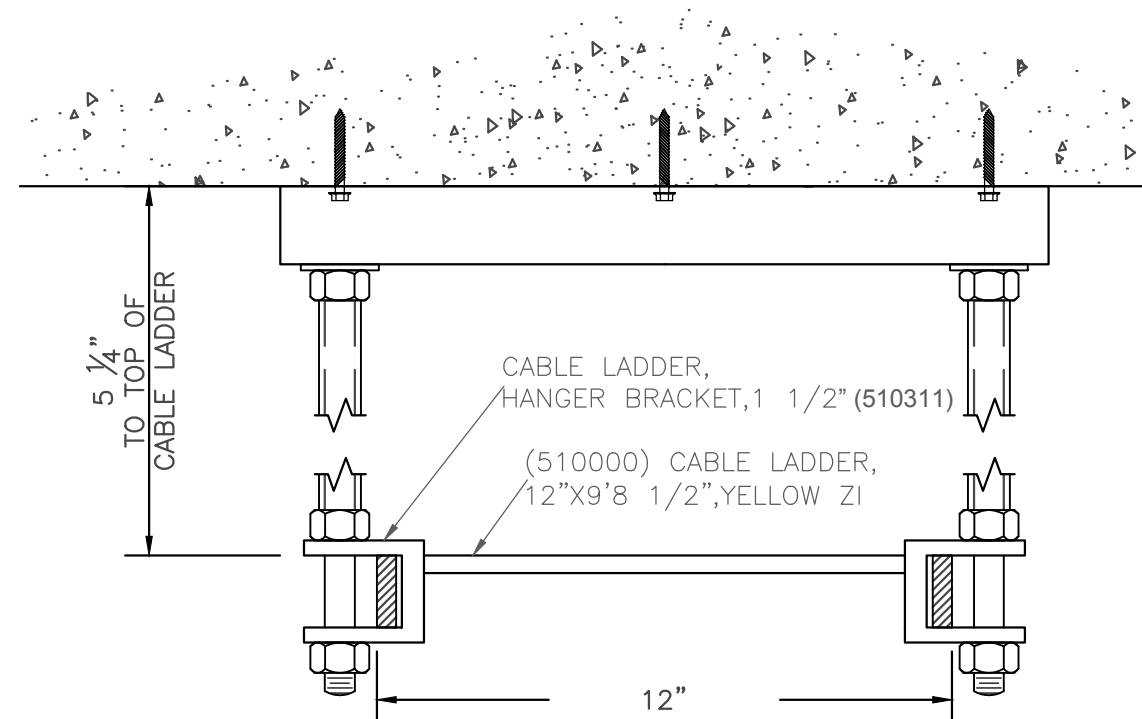
CUSTOMER:
ALLIED FIBER

PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER ELECTRICAL SCHEMATIC

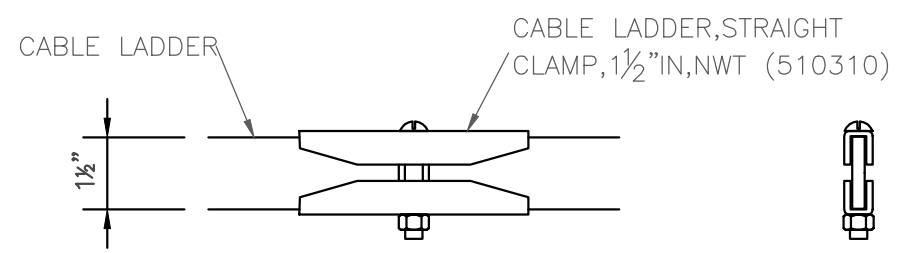
FILENAME: SALF01	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 6-0	
DRAWING NO.: SALF01	REV.: G



DETAIL A
CABLE LADDER SUPPORT



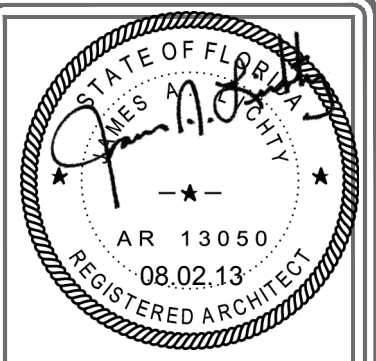
DETAIL B
INTERIOR 12" CABLE LADDER SUPPORT



DETAIL C
CABLE LADDER SPLICING CONNECTION



NOTE:
1. INTERIOR CABLE LADDER SUPPORT IS TYPICAL FOR 6IN.



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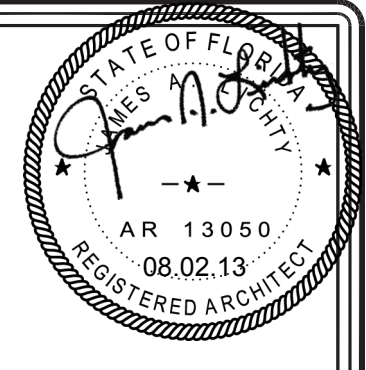
CUSTOMER:
ALLIED FIBER

PROJECT:
23'-8" X 50'-2" CONCRETE SHELTER CABLE LADDER DETAILS

FILENAME: SALF01	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: V.ACHANTA	DATE: 05/23/13
CHK. BY: M.TAYLOR	DATE: 05/23/13
ENG. BY:	DATE:
APP. BY: M.TAYLOR	DATE: 05/23/13
SHEET NO. 6-1	
DRAWING NO.: SALF01	REV.: G

ABBREVIATIONS

⊙	AT	MFG	MANUFACTURER
A	AMPS	MISC	MISCELLANEOUS
AFF	ABOVE FINISH FLOOR	NEC	NATIONAL ELECTRIC CODE
BCW	BARE COPPER WIRE	NEG	NEGATIVE
BLK	BLACK	NEMA	NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION
BLU	BLUE	NOM	NOMINAL
BRN	BROWN	NO	NORMALLY OPEN
BLDG	BUILDING	NC	NORMALLY CLOSED
BOCA	BUILDING OFFICIALS CODE ADMINISTRATION	NTS	NOT TO SCALE
C	CENTERLINE	OR	ORANGE
C/C	CENTER TO CENTER	OD	OUTSIDE DIAMETER/OUTSIDE DIMENSION
CKT	CIRCUIT	OSB	ORIENTED STRAND BOARD
CONC	CONCRETE	P	POLE
CU YD	CUBIC YARD	PDC	POWER DISTRIBUTION CABINET
DIA / ∅	DIAMETER	POS	POSITIVE
DIM	DIMENSION	LB	POUND (S)
DP	DOUBLE POLE	PSF	POUNDS PER SQUARE FOOT
DPDT	DOUBLE POLE DOUBLE THROW	PSI	POUNDS PER SQUARE INCH
DPST	DOUBLE POLE SINGLE THROW	QTY	QUANTITY
DT	DOUBLE THROW	RECT	RECTIFIER
DWG	DRAWING	REBAR	REINFORCING STEEL BAR
EA	EACH	REQ'D.	REQUIRED
EGR	EQUIPMENT GROUND RING	REV	REVISION
ELEC	ELECTRIC/ELECTRICAL	R	RIGHT
EMT	ELECTRICAL METALLIC TUBING	RH	RIGHT HAND
ENT	ELECTRICAL NONMETALLIC TUBING	SHT	SHEET
ELEV	ELEVATION	1∅	SINGLE PHASE
EQUIP	EQUIPMENT	S/G	SERVICE GROUND
EXT	EXTERIOR	S/N	SERVICE NEUTRAL
FMLC	FLEXIBLE METALLIC LIQUID TIGHT CONDUIT	SPDT	SINGLE POLE DOUBLE THROW
FNLC	FLEXIBLE NONMETALLIC LIQUID TIGHT CONDUIT	SPST	SINGLE POLE SINGLE THROW
FND	FOUNDATION	SW	SINGLE POLE SWITCH
FRP	FIBERGLASS REINFORCED POLYESTER	SQ FT	SQUARE FEET
FS	FIRE SUPPRESSION	SQ IN	SQUARE INCH
GALV	GALVANIZED	STD	STANDARD
GEN	GENERATOR	SBC	STANDARD BUILDING CODE
GRN	GREEN	SW	SWITCH
GND	GROUND	TEMP	TEMPERATURE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TSTAT	THERMOSTAT
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	3∅	THREE PHASE
HOR	HORIZONTAL	3P	THREE POLE
IAW	IN ACCORDANCE WITH	3W	THREE WIRE
IN	INCH	TYP	TYPICAL
ID	INSIDE DIAMETER/INSIDE DIMENSION	UL	UNDERWRITERS LABORATORIES INC.
INSUL	INSULATION	UBC	UNIFORM BUILDING CODE
INT	INTERIOR	UMC	UNIFORM MECHANICAL CODE
IMC	INTERNATIONAL MECHANICAL CODE	VENT	VENTILATION
IPC	INTERNATIONAL PLUMBING CODE	V	VOLT
IG	ISOLATED GROUND	W	WATTS
JB	JUNCTION BOX	WP	WEATHER PROOF
KW	KILOWATT	WLD	WELDED
KO	KNOCKOUT	WWF	WELDED WIRE FABRIC
L	LEFT	WHT	WHITE
L/N	LOAD NEUTRAL	W/	WITH
LH	LEFT HAND	W/O	WITHOUT
LTG	LIGHT/LIGHTNING	YEL	YELLOW
LL	LIVE LOAD		
LV	LOW VOLTAGE		



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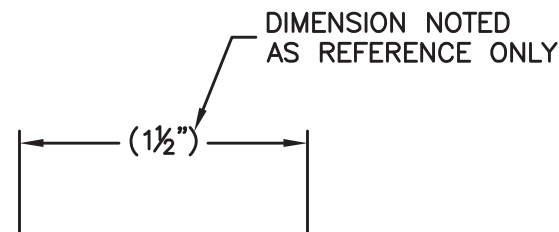
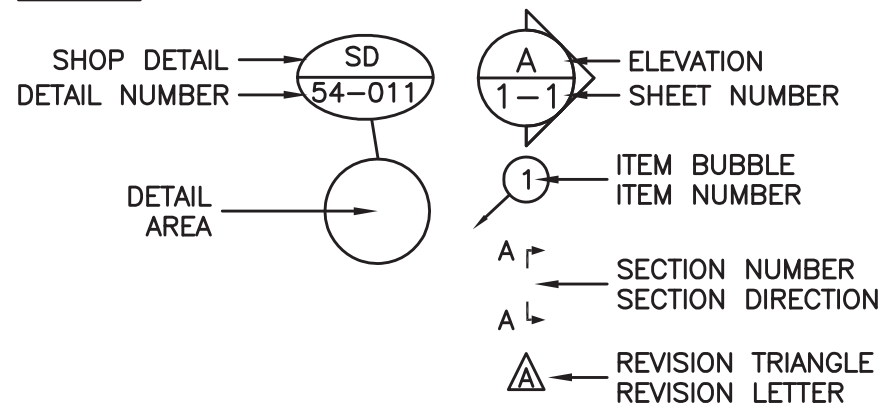
CUSTOMER:
 ENGINEERING STANDARD

PROJECT:
 ABBREVIATIONS AND SYMBOLS

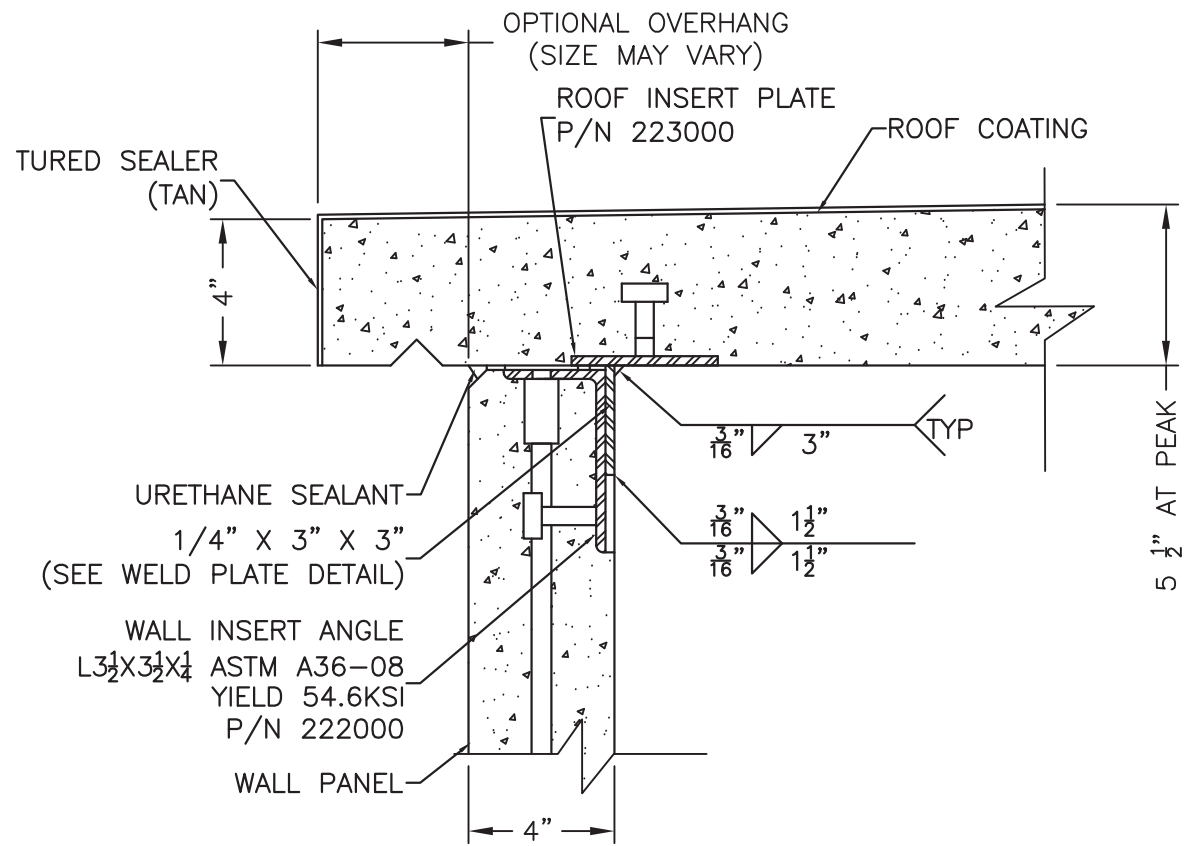
FILENAME: 108-007	
SCALE: 1"=1"	TOLERANCE: NA
DRWN. BY: C.CASINGER	DATE: 12/4/03
CHK. BY: K.BARNETT	DATE: 12/4/03
ENG. BY: K.BARNETT	DATE: 12/4/03
APP. BY:	DATE:

SHEET NO.
 1 OF 1
 DRAWING NO.:
 108-007

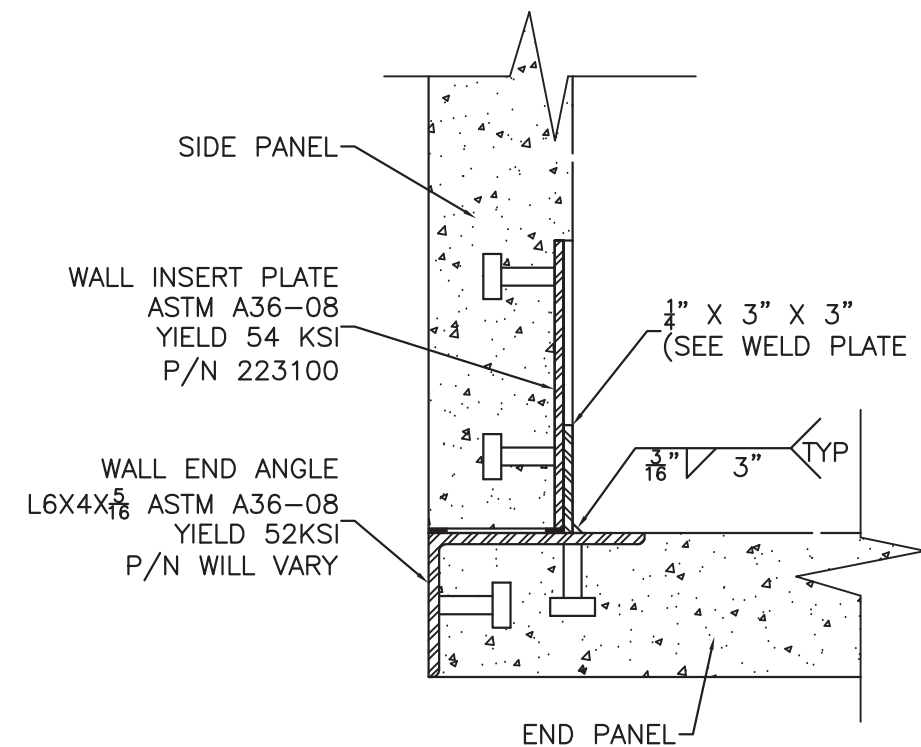
SYMBOLS



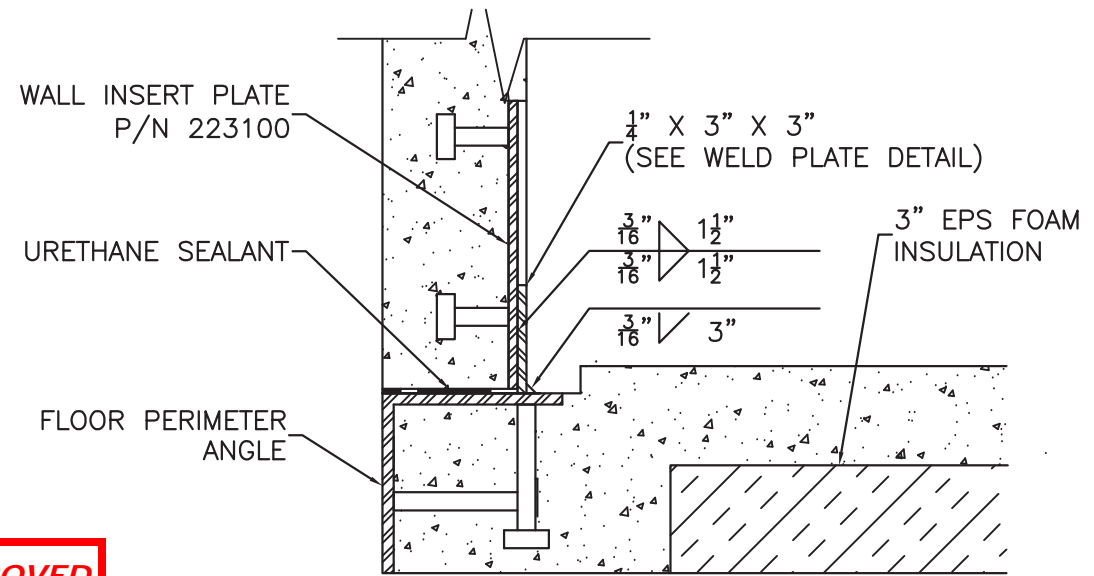
REV	BY	DATE	DESCRIPTION	APP. BY	DATE
D	LJL	6/1/09	ADDED ABBREVIATION: AFF	LJL	6/1/09
C	ACM	8/15/08	ADDED ABBREVIATIONS: S/N, S/G, & L/N	VGH	8/15/08
B	VGH	06/02/08	ADDED REFERENCE DIMENSION	VGH	06/02/08
A	CC	7/27/04	REVISED DETAIL SYMBOL	VGH	7/27/04



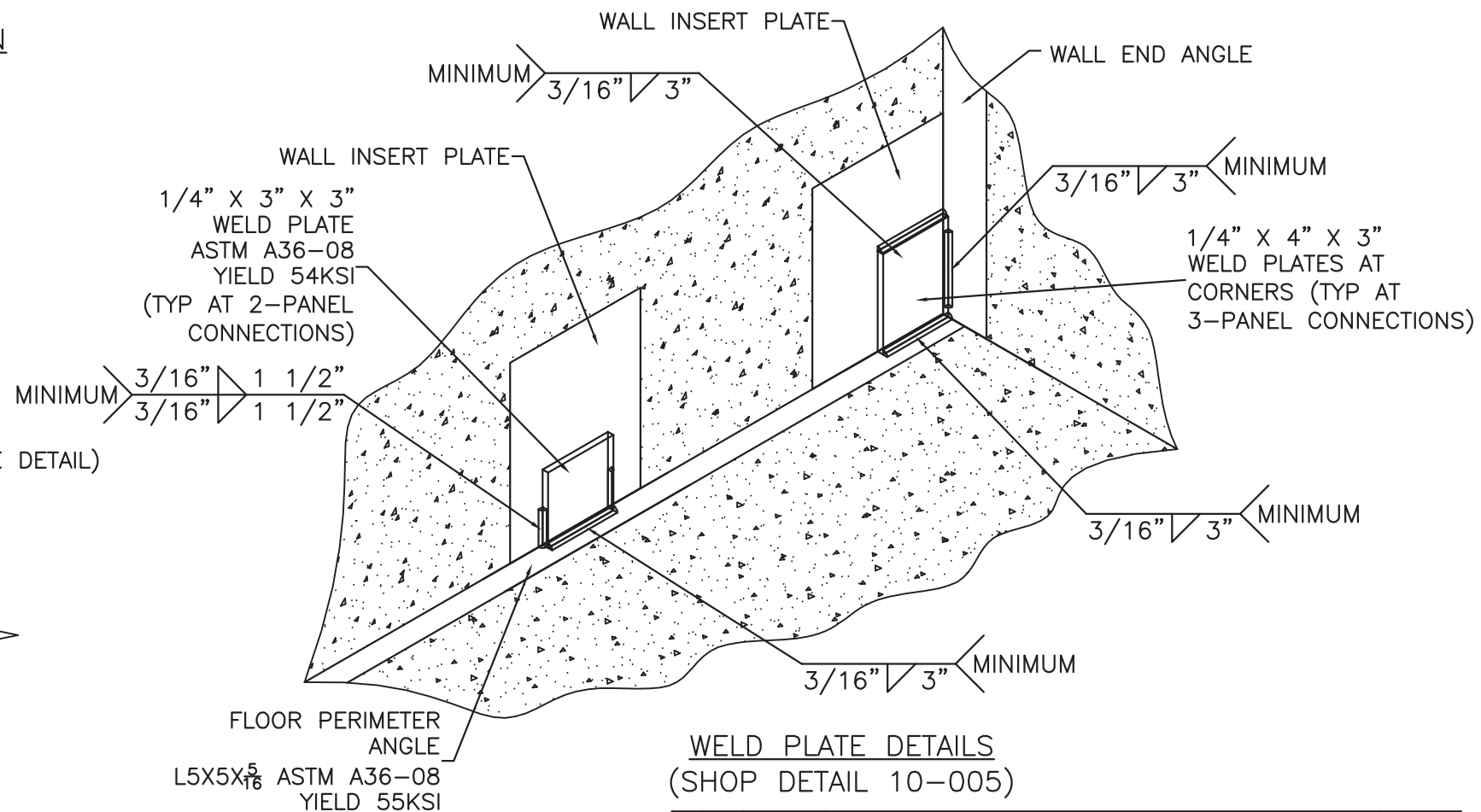
WALL/ROOF CONNECTION
(SHOP DETAIL 10-002)



WALL/WALL CONNECTION
(SHOP DETAIL 10-003)

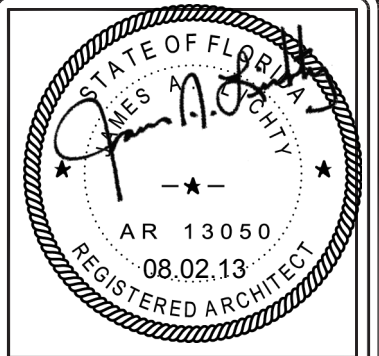


WALL/FLOOR CONNECTION
(SHOP DETAIL 10-004)



WELD PLATE DETAILS
(SHOP DETAIL 10-005)

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
D	CM	5/16/13	CHANGED STEEL FLOOR BACK TO CONCRETE	MT	5/16/13
C	CM	9/4/12	ADDED STEEL PROPERTIES FOR VARIOUS COMPONENTS	RC	9/4/12
B	CC	8/5/05	CHG WELD PLATE DETAIL AT 3-PANEL CONNECTIONS	KB	8/5/05



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CUSTOMER:
ENGINEERING STANDARD

PROJECT:
CONCRETE SHELTER
PANEL CONNECTION
DETAILS

FILENAME: 108-008	
SCALE: 3/16"=1"	TOLERANCE:
DRWN. BY: C.CASINGER	DATE: 4/5/04
CHK. BY: V. HASSELL	DATE: 4/5/04
ENG. BY: K. BARNETT	DATE: 4/5/04
APP. BY: J. HOOD	DATE: 4/5/04

SHEET NO.
1 OF 1
DRAWING NO.:
108-008
REV.:
D

NOTES:

1. CONDUCTOR COLORS ARE AS FOLLOWING:

120/240 SINGLE PHASE

PHASE "A" = BLACK
 PHASE "B" = RED
 NEUTRAL = WHITE

120/208 THREE PHASE

PHASE "A" = BLACK
 PHASE "B" = RED
 PHASE "C" = BLUE
 NEUTRAL = WHITE

277/480 THREE PHASE

PHASE "A" = BROWN
 PHASE "B" = ORANGE
 PHASE "C" = YELLOW
 NEUTRAL = GRAY

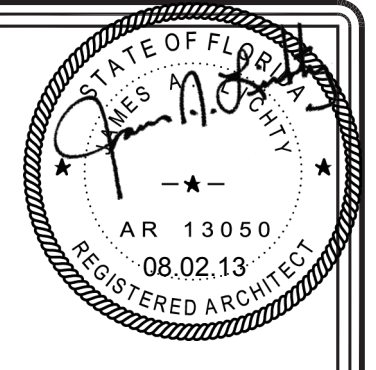
ALL ELECTRICAL GROUND = GREEN
 ALL ISOLATED GROUND = GREEN/YELLOW STRIPE
 ALL SWITCHED = PURPLE



2. ALL CONDUCTORS (UNLESS OTHERWISE NOTED) TO BE STRANDED THHN OR THWN COPPER WIRE.
3. ALL CONDUIT TO BE 1/2" EMT UNLESS OTHERWISE NOTED.
4. ALL LOW VOLTAGE CONDUIT TO BE 1/2" EMT UNLESS NOTED.
5. ALL CONDUCTOR AMPACITIES ARE BASED ON TABLE 310-16 NATIONAL ELECTRICAL CODE.
6. CONDUIT FILL BASED ON CHAPTER 9 - NATIONAL ELECTRICAL CODE.
7. PLACEMENT OF ELECTRICAL AND CONDUIT COMPONENTS OR BOXES MAY VARY TO ALIGN WITH COMPONENTS MANUFACTURE'S PRE-MADE BOX KNOCKOUTS. THIS MAY INCLUDE ALIGNMENT WITH SHELTER PENETRATIONS AND/OR INTERFERENCE WITH OTHER COMPONENTS.
8. CONDUIT, ELECTRICAL AND MECHANICAL DIMENSION TOLERANCE SHALL BE ±1/4".
9. DASHED LINES (-----) DENOTE FIELD WORK.
10. ALL CIRCUITS ON 25 AMP THROUGH 60 AMP BREAKER MUST USE #10 GROUND CONDUCTOR.
11. CONDUCTORS SMALLER THAN 4 AWG MUST HAVE CORRECT COLOR INSULATION. CONDUCTORS 4 AWG AND LARGER MAY BE RE-IDENTIFIED BY COLORED TAPE. BLACK INSULATED CONDUCTOR SHALL BE THE ONLY COLOR TO BE RE-IDENTIFIED. IF CONDUCTORS ARE RE-IDENTIFIED, IDENTIFICATION MUST BE APPLIED IN THREE INCH (3") WRAPS, MINIMUM EVERY THREE FEET (3'-0"). RE-IDENTIFICATION SHALL BE VISIBLE BY OPENING ANY ENCLOSURE. WHITE, GRAY AND GREEN CONDUCTORS SHALL NOT BE RE-IDENTIFIED.
12. ALL METALLIC ELECTRICAL BOXES (SWITCH BOXES, DUPLEX BOXES, LIGHTS, JUNCTION BOXES, ETC) SHALL BE CONNECTED TO THE PROTECTED GROUND OF THE ACG DISTRIBUTION PANEL WITH A #12 GREEN INSULATED STRANDED CONDUCTOR WHICH SHALL BE RUN INTERNAL TO THE CONDUIT.
13. THE AVAILABLE FAULT CURRENT CALCULATIONS AND MARKING IS THE RESPONSIBILITY OF THE SITE CONTRACTOR. MARKING SHOULD BE OF SUCH: MAXIMUM AVAILABLE FAULT CURRENT _____ amperes, DATE _____.
14. NO SHARED NEUTRALS BETWEEN CIRCUITS UNLESS OTHERWISE SPECIFIED. IF A NEUTRAL IS SHARED THE CIRCUITS MUST BE ON A SHARED DOUBLE POLE BREAKER.

LEGEND

- = CONDUIT (THICKNESS VARIES WITH SIZE OF CONDUIT)
- = GROUND WIRE
- = 4 X 4 BOX WITH QUAD RECEPTACLE
- = 4 X 4 BOX WITH DUPLEX RECEPTACLE
- = 4 X 4 BOX WITH PENETRATION
- = 4 X 4 BOX BLANK
- = 4 X 4 BOX WITH 2 SWITCHES
- = 4 X 4 BOX WITH SINGLE SWITCH
- = 4" OCTAGON BOX WITH SMOKE DETECTOR
- = 4" OCTAGON BOX WITH HEAT DETECTOR
- = 4 X 4 BOX WITH TWIST-LOCK RECEPTACLE
- = 4 X 4 BOX WITH TIMER SWITCH
- = 4 X 4 BOX WITH HYDROGEN DETECTOR
- = PHOTOCELL SWITCH
- = SYSTEM GROUND FOR AC CIRCUITS
- = ISOLATED GROUND FOR AC CIRCUITS
- = VENT FAN
- = MOTORIZED DAMPER
- = MOTION DETECTOR



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CUSTOMER:
ENGINEERING STANDARD

PROJECT:
GENERAL ELECTRICAL NOTES AND LEGEND

FILENAME: 108-015	
SCALE: 1"=1"	TOLERANCE:
DRWN. BY: C.CASINGER	DATE: 7/28/04
CHK. BY:	DATE:
ENG. BY: K. BARNETT	DATE: 7/28/04
APP. BY:	DATE:

SHEET NO. 1 OF 1	
DRAWING NO.:	REV.:
108-015	J

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
J	BDB	12/16/11	CHG'D WIRE COLOR ORDER, 277/480;	MT	12/16/11
H	GAB	01/27/11	ADDED NOTES 13 & 14	MT	01/27/11
G	PN	07/16/09	REVISED NOTE 7 & 10	LD	07/16/09
F	VGH	07/18/07	REVISED NOTE 7 & 8	VGH	07/18/07

GENERAL NOTES

- ALL STEEL FABRICATION AND INSTALLATION SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL AISC LRFD(1999) AND AWS D1.1 SPECIFICATIONS.
- ALL WELDING SHALL BE MIG TYPE WITH THE FOLLOWING OPERATING SETTINGS:

WIRE SIZE -----	0.35
WIRE FEED SPEED (in/min) -----	5
VOLTAGE, DC (+) -----	18.5
AMPERAGE, DC -----	140
TRAVEL SPEED (in/min) -----	10-12
SHIELDING GAS -----	75/25
- STRUCTURAL STEEL SPECIFICATIONS:
 STRUCTURAL SHAPES ASTM A36M-97a
 HIGH STRENGTH BOLTS, ASTM A 307-97
 OTHER BOLTS, SAE J429 GRADE 5
- ALL CONCRETE WORK SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE A.C.I. 318-99 BUILDING CODES 311 & 211, AND ASTM STANDARDS C-172-97, C-31/31M96, C-39-96, AND PROVISIONS OF C-94-98.
- ALL PRECAST STRUCTURAL SAND-LIGHTWEIGHT CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
- ALL REINFORCING STEEL BARS SHALL BE DOMESTIC, NEW BILLET STEEL CONFORMING TO ASTM A-615m-96a SPECIFICATIONS.
- CONCRETE COVERAGE OVER ALL REINFORCING STEEL SHALL BE A MINIMUM OF 3/4".
- ALL REBAR SHALL BE TIED 100% AT THE PERIMETER, AND 50% ELSEWHERE.
- ALL REBAR WIRE TIES TO BE 16 GAUGE.
- FIBROUS REINFORCED LIGHTWEIGHT CONCRETE MAY BE USED IN THE ROOF AND FLOOR AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS. FIBER REINFORCEMENT MAY BE USED IN THE FLOOR IF DESIRED IN ORDER TO MAKE BATCHING OPERATION MORE EFFICIENT.
- MAXIMUM JOINT SPACE BETWEEN PANELS SHALL BE 3/8" MEASURED BY REFUSAL OF ABILITY TO PASS A 3/8" ROD ALL THE WAY THROUGH THE JOINT AT ANY POINT ALONG THE JOINT.
- WELD PLATE CONNECTIONS SHALL BE SPACED AT 4'-8" MAXIMUM ON THE FLOOR AND ROOF PANELS. THIS DIMENSION SHALL BE MAINTAINED EXCEPT IN CASES WHERE OPENINGS PROHIBIT.
- TOLERANCES SHALL BE AS FOLLOWS:
 PANEL THICKNESS: $\pm 1/8"$
 PANEL SIZE: $\pm 1/16"$
 PANEL SQUARENESS: $\pm 1/8"$ AGREEMENT ON DIAGONALS
 LOCATION OF BLOCKOUTS & PVC'S: $\pm 1/4"$
 BLOCKOUT DIMENSIONS: $+1/4"$, $-0"$
 PVC SIZE: USE TRADE SIZE AS LISTED ON PROJECT DRAWINGS
- REBAR SPLICING IS ALLOWED WHERE SPACE PERMITS. MINIMUM LAP IS 18" FOR #4 REBAR AND 30" FOR #6 REBAR.
- CONCRETE SHALL HAVE AIR ENTRAINMENT OF 6%, MODERATE EXPOSURE AND A MAXIMUM AGGREGATE SIZE OF 3/8 INCH.
- CONCRETE SHALL HAVE A WATER-CEMENTITIOUS MATERIAL RATIO OF 0.50.

GENERAL: THESE REBAR SIZES AND SPACING REPRESENT THE MINIMUM AMOUNT FOR ALL CASTING PLANS. PROJECT DRAWINGS MAY REQUIRE REINFORCEMENT IN ADDITION TO CELLXION STANDARDS.

ROOF PANEL: #4 (SHORT AXIS) 12" O.C. ON SHELTER WIDTH OF 11'-6" AND LESS, 10" O.C. ON SHELTER WIDTH GREATER THAN 11'-6" AND #4 (LONG AXIS) AT 18" O.C.

WALL PANEL: #4 AT PERIMETER AND 4 X 4 X W4.5 X W4.5 MESH THROUGHOUT.

FLOOR: (2)-#6 (SHORT AXIS) EACH RIB, #6 (LONG AXIS) EACH INTERIOR RIB. DECK: 4 X 4 X W4.5 X W4.5 MESH.

SEALANT APPLICATION

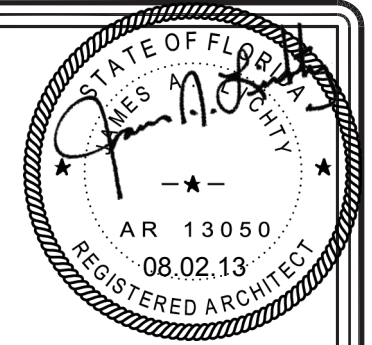
STEP 1. AT MATING SURFACES BETWEEN PANELS, APPLY URETHANE SEALANT ($\frac{1}{2}$ " BEAD) DURING ASSEMBLY.

STEP 2. URETHANE SEALANT REQUIRED ON ALL JOINTS. APPLY TO EXTERIOR AFTER PANEL ASSEMBLY.

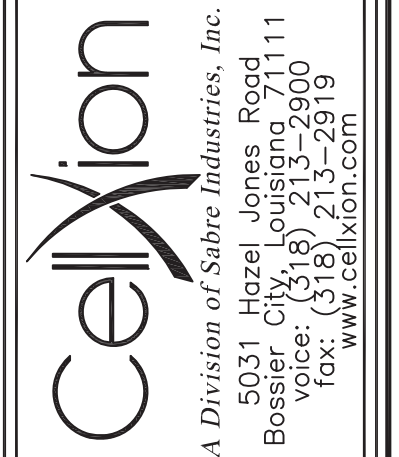
STEP 3. ROOF COATING:
 APPLY SHELTER ROOF COATING PER MANUFACTURER INSTRUCTION. ROOF COATING TO CONFORM TO, ASTM D6083-97A, OBC 1507.15.2 & 2000 IBC 1507.15.2.

STEP 4. APPLY AGGREGATE SEALER TO EXTERIOR WALLS. USE 1 GALLON PER 200 SQ. FEET.

STEP 5. USE TEXTURED SEALER ON ALL SMOOTH EXPOSED SURFACES. USE CEMENTITIOUS GRAY PAINT.



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CUSTOMER:
 ENGINEERING STANDARD

PROJECT:
 GENERAL CASTING
 SPECIFICATIONS
 2000 IBC

FILENAME: 108-016	
SCALE: 1"=1"	TOLERANCE:
DRWN. BY: C.CASINGER	DATE: 7/28/04
CHK. BY:	DATE:
ENG. BY:	DATE:
APP. BY:	DATE:
SHEET NO. 1 OF 4	
DRAWING NO.: 108-016	M

GENERAL NOTES

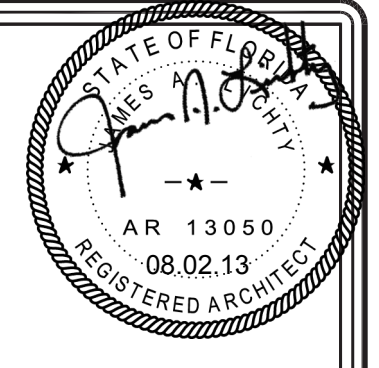
1. ALL STEEL FABRICATION AND INSTALLATION SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL AISC LRFD(1999) AND AWS D1.1 SPECIFICATIONS.
2. ALL WELDING SHALL BE MIG TYPE WITH THE FOLLOWING OPERATING SETTINGS:

WIRE SIZE -----	0.35
WIRE FEED SPEED (in/min) -----	5
VOLTAGE, DC (+) -----	18.5
AMPERAGE, DC -----	140
TRAVEL SPEED (in/min) -----	10-12
SHIELDING GAS -----	75/25
3. STRUCTURAL STEEL SPECIFICATIONS:
 - STRUCTURAL SHAPES ASTM A36/A 36M-00
 - HIGH STRENGTH BOLTS, ASTM A 307-00
 - OTHER BOLTS, SAE J429 GRADE 5
4. ALL CONCRETE WORK SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE A.C.I. 318-02 BUILDING CODES 311 & 211, AND ASTM STANDARDS C-172-99, C-31/C31M98, C-39-99ae1, AND PROVISIONS OF C-94/C94M-00.
5. ALL PRECAST STRUCTURAL SAND-LIGHTWEIGHT CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
6. ALL REINFORCING STEEL BARS SHALL BE DOMESTIC, NEW BILLET STEEL CONFORMING TO ASTM A 615M-00 SPECIFICATIONS.
7. CONCRETE COVERAGE OVER ALL REINFORCING STEEL SHALL BE A MINIMUM OF 3/4".
8. ALL REBAR SHALL BE TIED 100% AT THE PERIMETER, AND 50% ELSEWHERE.
9. ALL REBAR WIRE TIES TO BE 16 GAUGE.
10. FIBROUS REINFORCED LIGHTWEIGHT CONCRETE MAY BE USED IN THE ROOF AND FLOOR AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS. FIBER REINFORCEMENT MAY BE USED IN THE FLOOR IF DESIRED IN ORDER TO MAKE BATCHING OPERATION MORE EFFICIENT.
11. MAXIMUM JOINT SPACE BETWEEN PANELS SHALL BE 3/8" MEASURED BY REFUSAL OF ABILITY TO PASS A 3/8" ROD ALL THE WAY THROUGH THE JOINT AT ANY POINT ALONG THE JOINT.
12. WELD PLATE CONNECTIONS SHALL BE SPACED AT 4'-8" MAXIMUM ON THE FLOOR AND ROOF PANELS. THIS DIMENSION SHALL BE MAINTAINED EXCEPT IN CASES WHERE OPENINGS PROHIBIT.
13. TOLERANCES SHALL BE AS FOLLOWS:
 - PANEL THICKNESS: $\pm 1/8"$
 - PANEL SIZE: $\pm 1/16"$
 - PANEL SQUARENESS: $\pm 1/8"$ AGREEMENT ON DIAGONALS
 - LOCATION OF BLOCKOUTS & PVC'S: $\pm 1/4"$
 - BLOCKOUT DIMENSIONS: $+1/4", -0"$
 - PVC SIZE: USE TRADE SIZE AS LISTED ON PROJECT DRAWINGS
14. REBAR SPLICING IS ALLOWED WHERE SPACE PERMITS. MINIMUM LAP IS 18" FOR #4 REBAR AND 30" FOR #6 REBAR.
15. CONCRETE SHALL HAVE AIR ENTRAINMENT OF 6%, MODERATE EXPOSURE AND A MAXIMUM AGGREGATE SIZE OF 3/8 INCH.
16. CONCRETE SHALL HAVE A WATER-CEMENTITIOUS MATERIAL RATIO OF 0.50.

- GENERAL: THESE REBAR SIZES AND SPACING REPRESENT THE MINIMUM AMOUNT FOR ALL CASTING PLANS. PROJECT DRAWINGS MAY REQUIRE REINFORCEMENT IN ADDITION TO CELLXION STANDARDS.
- ROOF PANEL: #4 (SHORT AXIS) 12" O.C. ON SHELTER WIDTH OF 11'-6" AND LESS, 10" O.C. ON SHELTER WIDTH GREATER THAN 11'-6" AND #4 (LONG AXIS) AT 18" O.C.
- WALL PANEL: #4 AT PERIMETER AND 4 X 4 X W4.5 X W4.5 MESH THROUGHOUT.
- FLOOR: (2)-#6 (SHORT AXIS) EACH RIB, #6 (LONG AXIS) EACH INTERIOR RIB. DECK: 4 X 4 X W4.5 X W4.5 MESH.

SEALANT APPLICATION

- STEP 1. AT MATING SURFACES BETWEEN PANELS, APPLY URETHANE SEALANT (1/2" BEAD) DURING ASSEMBLY.
- STEP 2. URETHANE SEALANT REQUIRED ON ALL JOINTS. APPLY TO EXTERIOR AFTER PANEL ASSEMBLY.
- STEP 3. ROOF COATING:
APPLY SHELTER ROOF COATING PER MANUFACTURER INSTRUCTION. ROOF COATING TO CONFORM TO, ASTM D6083-97A, OBC 1507.15.2 & 2003 IBC 1507.15.2.
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CUSTOMER:
ENGINEERING STANDARD

PROJECT:
GENERAL CASTING
SPECIFICATIONS
2003 IBC

FILENAME: 108-016	
SCALE: 1"=1"	TOLERANCE:
DRWN. BY: L. DROZDZ	DATE: 9/17/07
CHK. BY:	DATE:
ENG. BY:	DATE:
APP. BY:	DATE:
SHEET NO. 2 OF 4	
DRAWING NO.: 108-016	M

GENERAL NOTES

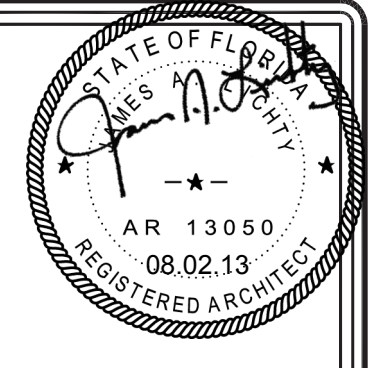
1. ALL STEEL FABRICATION AND INSTALLATION SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL AISC 360-05 AND AWS D1.1-04 SPECIFICATIONS.
2. ALL WELDING SHALL BE MIG TYPE WITH THE FOLLOWING OPERATING SETTINGS:

WIRE SIZE -----	0.35
WIRE FEED SPEED (in/min) -----	5
VOLTAGE, DC (+) -----	18.5
AMPERAGE, DC -----	140
TRAVEL SPEED (in/min) -----	10-12
SHIELDING GAS -----	75/25
3. STRUCTURAL STEEL SPECIFICATIONS:
 - STRUCTURAL SHAPES ASTM A36/A 36M-04a
 - HIGH STRENGTH BOLTS, ASTM A 307-03
 - OTHER BOLTS, SAE J429 GRADE 5
4. ALL CONCRETE WORK SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE A.C.I. 318-05 BUILDING CODES 311 & 211, AND ASTM STANDARDS C-172-04, C-31/C31M98, C-39-05e1, AND PROVISIONS OF C-94/C94M-04.
5. ALL PRECAST STRUCTURAL SAND-LIGHTWEIGHT CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
6. ALL REINFORCING STEEL BARS SHALL BE DOMESTIC, NEW BILLET STEEL CONFORMING TO ASTM A 615M-04a SPECIFICATIONS.
7. CONCRETE COVERAGE OVER ALL REINFORCING STEEL SHALL BE A MINIMUM OF 3/4".
8. ALL REBAR SHALL BE TIED 100% AT THE PERIMETER, AND 50% ELSEWHERE.
9. ALL REBAR WIRE TIES TO BE 16 GAUGE.
10. FIBROUS REINFORCED LIGHTWEIGHT CONCRETE MAY BE USED IN THE ROOF AND FLOOR AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS. FIBER REINFORCEMENT MAY BE USED IN THE FLOOR IF DESIRED IN ORDER TO MAKE BATCHING OPERATION MORE EFFICIENT.
11. MAXIMUM JOINT SPACE BETWEEN PANELS SHALL BE 3/8" MEASURED BY REFUSAL OF ABILITY TO PASS A 3/8" ROD ALL THE WAY THROUGH THE JOINT AT ANY POINT ALONG THE JOINT.
12. WELD PLATE CONNECTIONS SHALL BE SPACED AT 4'-8" MAXIMUM ON THE FLOOR AND ROOF PANELS. THIS DIMENSION SHALL BE MAINTAINED EXCEPT IN CASES WHERE OPENINGS PROHIBIT.
13. TOLERANCES SHALL BE AS FOLLOWS:
 - PANEL THICKNESS: $\pm 1/8"$
 - PANEL SIZE: $\pm 1/16"$
 - PANEL SQUARENESS: $\pm 1/8"$ AGREEMENT ON DIAGONALS
 - LOCATION OF BLOCKOUTS & PVC'S: $\pm 1/4"$
 - BLOCKOUT DIMENSIONS: $+1/4"$, $-0"$
 - PVC SIZE: USE TRADE SIZE AS LISTED ON PROJECT DRAWINGS
14. REBAR SPLICING IS ALLOWED WHERE SPACE PERMITS. MINIMUM LAP IS 18" FOR #4 REBAR AND 30" FOR #6 REBAR.
15. CONCRETE SHALL HAVE AIR ENTRAINMENT OF 6%, MODERATE EXPOSURE AND A MAXIMUM AGGREGATE SIZE OF 3/8 INCH.
16. CONCRETE SHALL HAVE A WATER-CEMENTITIOUS MATERIAL RATIO OF 0.50.

- GENERAL: THESE REBAR SIZES AND SPACING REPRESENT THE MINIMUM AMOUNT FOR ALL CASTING PLANS. PROJECT DRAWINGS MAY REQUIRE REINFORCEMENT IN ADDITION TO CELLXION STANDARDS.
- ROOF PANEL: #4 (SHORT AXIS) 12" O.C. ON SHELTER WIDTH OF 11'-6" AND LESS, 10" O.C. ON SHELTER WIDTH GREATER THAN 11'-6" AND #4 (LONG AXIS) AT 18" O.C.
- WALL PANEL: #4 AT PERIMETER AND 4 X 4 X W4.5 X W4.5 MESH THROUGHOUT.
- FLOOR: (2)-#6 (SHORT AXIS) EACH RIB, #6 (LONG AXIS) EACH INTERIOR RIB. DECK: 4 X 4 X W4.5 X W4.5 MESH.

SEALANT APPLICATION

- STEP 1. AT MATING SURFACES BETWEEN PANELS, APPLY URETHANE SEALANT (1/2" BEAD) DURING ASSEMBLY.
- STEP 2. URETHANE SEALANT REQUIRED ON ALL JOINTS. APPLY TO EXTERIOR AFTER PANEL ASSEMBLY.
- STEP 3. ROOF COATING:
APPLY SHELTER ROOF COATING PER MANUFACTURER INSTRUCTION. ROOF COATING TO CONFORM TO, ASTM D6083-97A, OBC 1507.15.2 & 2006 IBC 1507.15.2.
- STEP 4. APPLY AGGREGATE SEALER TO EXTERIOR WALLS. USE 1 GALLON PER 200 SQ. FEET.
- STEP 5. USE TEXTURED SEALER ON ALL SMOOTH EXPOSED SURFACES. USE CEMENTITIOUS GRAY PAINT.



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CUSTOMER:
ENGINEERING STANDARD

PROJECT:
GENERAL CASTING
SPECIFICATIONS
2006 IBC

FILENAME: 108-016	
SCALE: 1"=1"	TOLERANCE:
DRWN. BY: L. DROZDZ	DATE: 10/1/07
CHK. BY:	DATE:
ENG. BY:	DATE:
APP. BY:	DATE:
SHEET NO. 3 OF 4	
DRAWING NO.: 108-016	M

GENERAL NOTES

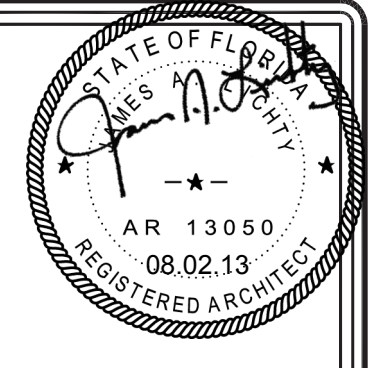
- ALL STEEL FABRICATION AND INSTALLATION SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL AISC 360-05 AND AWS D1.1-04 SPECIFICATIONS.
- ALL WELDING SHALL BE MIG TYPE WITH THE FOLLOWING OPERATING SETTINGS:

WIRE SIZE -----	0.35
WIRE FEED SPEED (in/min) -----	5
VOLTAGE, DC (+) -----	18.5
AMPERAGE, DC -----	140
TRAVEL SPEED (in/min) -----	10-12
SHIELDING GAS -----	75/25
- STRUCTURAL STEEL SPECIFICATIONS:
 - STRUCTURAL SHAPES ASTM A36/A 36M-05
 - HIGH STRENGTH BOLTS, ASTM A 307-03
 - OTHER BOLTS, SAE J429 GRADE 5
- ALL CONCRETE WORK SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE A.C.I. 318-08 BUILDING CODES 311 & 211, AND ASTM STANDARDS C-172-04, C-31/C31-06, C-39-05e1, AND PROVISIONS OF C-94/C94M-07.
- ALL PRECAST STRUCTURAL SAND-LIGHTWEIGHT CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
- ALL REINFORCING STEEL BARS SHALL BE DOMESTIC, NEW BILLET STEEL CONFORMING TO ASTM A 615M-04a SPECIFICATIONS.
- CONCRETE COVERAGE OVER ALL REINFORCING STEEL SHALL BE A MINIMUM OF 3/4".
- ALL REBAR SHALL BE TIED 100% AT THE PERIMETER, AND 50% ELSEWHERE.
- ALL REBAR WIRE TIES TO BE 16 GAUGE.
- FIBROUS REINFORCED LIGHTWEIGHT CONCRETE MAY BE USED IN THE ROOF AND FLOOR AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS. FIBER REINFORCEMENT MAY BE USED IN THE FLOOR IF DESIRED IN ORDER TO MAKE BATCHING OPERATION MORE EFFICIENT.
- MAXIMUM JOINT SPACE BETWEEN PANELS SHALL BE 3/8" MEASURED BY REFUSAL OF ABILITY TO PASS A 3/8" ROD ALL THE WAY THROUGH THE JOINT AT ANY POINT ALONG THE JOINT.
- WELD PLATE CONNECTIONS SHALL BE SPACED AT 4'-8" MAXIMUM ON THE FLOOR AND ROOF PANELS. THIS DIMENSION SHALL BE MAINTAINED EXCEPT IN CASES WHERE OPENINGS PROHIBIT.
- TOLERANCES SHALL BE AS FOLLOWS:
 - PANEL THICKNESS: $\pm 1/8"$
 - PANEL SIZE: $\pm 1/16"$
 - PANEL SQUARENESS: $\pm 1/8"$ AGREEMENT ON DIAGONALS
 - LOCATION OF BLOCKOUTS & PVC'S: $\pm 1/4"$
 - BLOCKOUT DIMENSIONS: $+1/4"$, $-0"$
 - PVC SIZE: USE TRADE SIZE AS LISTED ON PROJECT DRAWINGS
- REBAR SPLICING IS ALLOWED WHERE SPACE PERMITS. MINIMUM LAP IS 18" FOR #4 REBAR AND 30" FOR #6 REBAR.
- CONCRETE SHALL HAVE AIR ENTRAINMENT OF 6%, MODERATE EXPOSURE AND A MAXIMUM AGGREGATE SIZE OF 3/8 INCH.
- CONCRETE SHALL HAVE A WATER-CEMENTITIOUS MATERIAL RATIO OF 0.50.

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- WALL PANEL: #4 AT PERIMETER AND 4 X 4 X W4.5 X W4.5 MESH THROUGHOUT.
- FLOOR: (2)-#6 (SHORT AXIS) EACH RIB, #6 (LONG AXIS) EACH INTERIOR RIB. DECK: 4 X 4 X W4.5 X W4.5 MESH.

SEALANT APPLICATION

- AT MATING SURFACES BETWEEN PANELS, APPLY URETHANE SEALANT (1/2" BEAD) DURING ASSEMBLY.
- URETHANE SEALANT REQUIRED ON ALL JOINTS. APPLY TO EXTERIOR AFTER PANEL ASSEMBLY.
- ROOF COATING:
APPLY SHELTER ROOF COATING PER MANUFACTURER INSTRUCTION. ROOF COATING TO CONFORM TO, ASTM D6083-05e01, OBC 1507.15.2 & 2009 IBC 1507.15.2.
- APPLY AGGREGATE SEALER TO EXTERIOR WALLS. USE 1 GALLON PER 200 SQ. FEET.
- USE TEXTURED SEALER ON ALL SMOOTH EXPOSED SURFACES. USE CEMENTITIOUS GRAY PAINT.



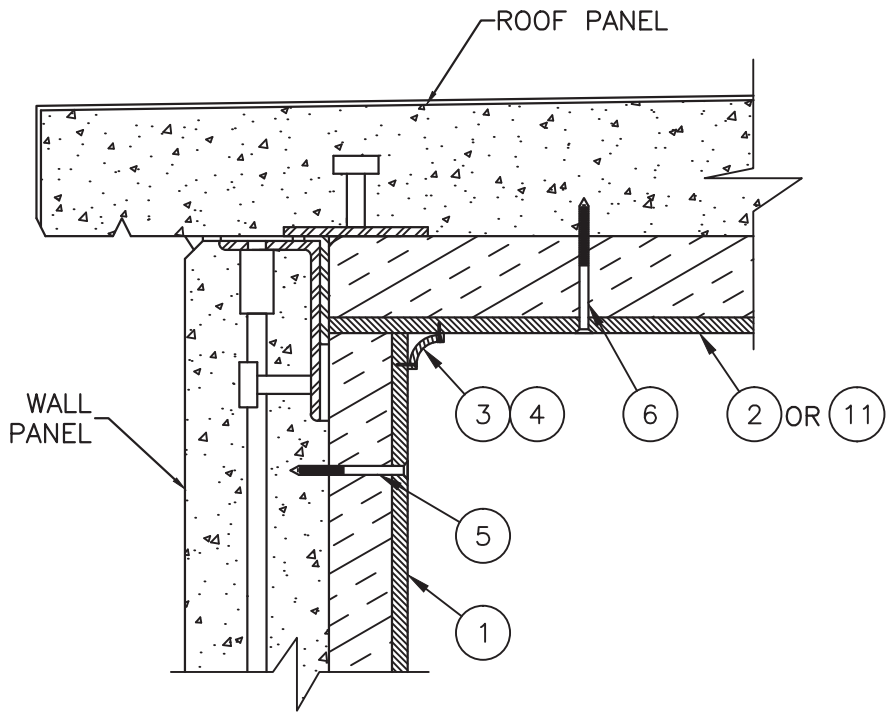
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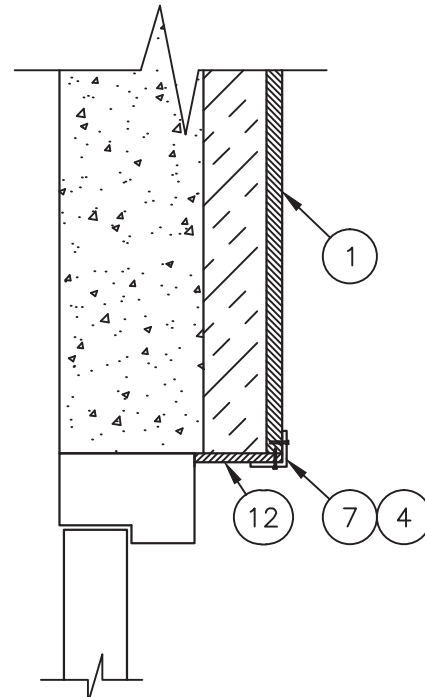
CUSTOMER:
ENGINEERING STANDARD

PROJECT:
GENERAL CASTING
SPECIFICATIONS
2009 IBC

FILENAME: 108-016	
SCALE: 1"=1"	TOLERANCE:
DRWN. BY: L. DROZDZ	DATE: 7/21/10
CHK. BY:	DATE:
ENG. BY:	DATE:
APP. BY:	DATE:
SHEET NO. 4 OF 4	
DRAWING NO.: 108-016	M



WALL/ROOF SECTION

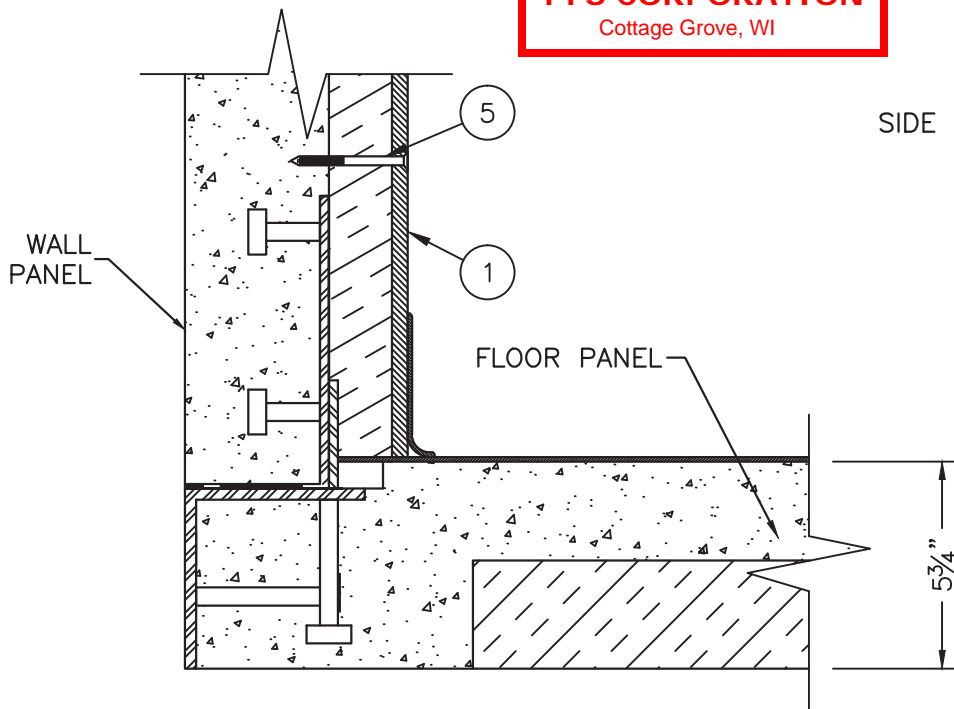


TYP DOOR SECTION TRIM DETAIL

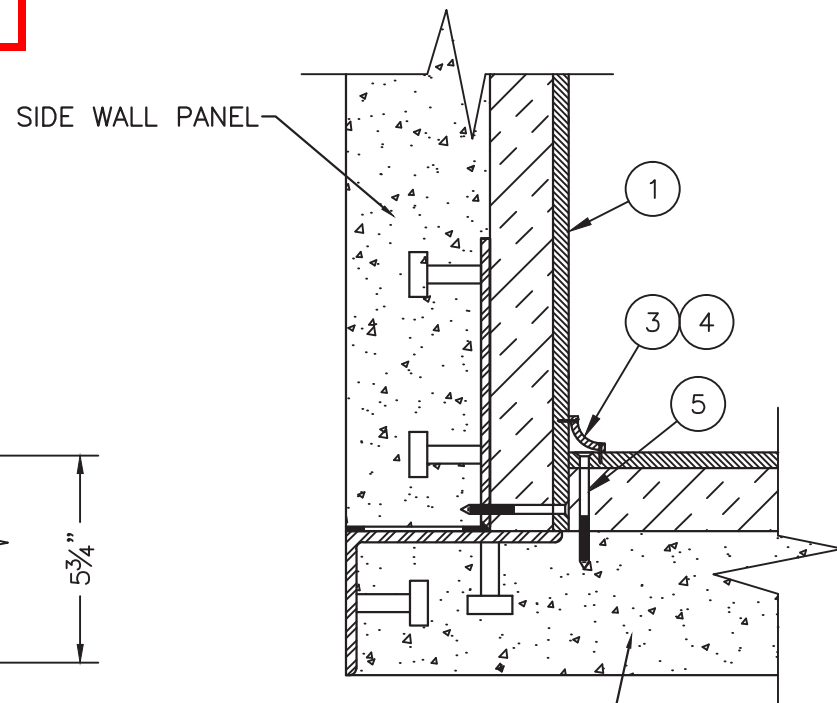
PARTS LIST				
ITEM	U/M	P/N	DESCRIPTION	
1	EA.	300032	INSULATION,1.75"RMAX,POLY,48"X110"	
2	EA.	300033	INSULATION,2.25"RMAX,POLY,48"X132"	
3	EA.	320002	TRIM,COVE,VINYL,10'0",WHITE 1 3/4"	
4	EA.	168009	BRAD,WHITE 3/4",44241	
5	EA.	168293	SCREW,CONCRETE,3/16"X3 1/4",PH,GREE	
6	EA.	168294	SCREW,CONCRETE,3/16"X3 3/4",PH,BLUE	
7	EA.	320020	TRIM,CORNER,WOOD,1-3/8"X1-3/8"OUTSI	
9	EA.	320035	TRIM,FRP,VINYL,9'0",WHITE 2" FACE 5	
10	EA.	320036	TRIM,FRP,VINYL,11'0",WHITE 2" FACE	
11	EA.	300036	INSULATION,2.25"RMAX,POLY,48"X113"	
12	EA.	300037	PANELING,1/4" LAUAN 4'X8'	

NOTES:

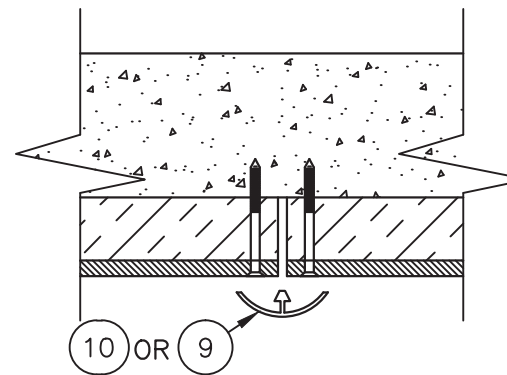
1. INSTALL INTERIOR PANELS W/ CONCRETE SCREWS (LENGTH MAY VARY) 24" O.C. MAX ALONG LENGTH OF PANELS. (NO FASTENERS REQUIRED ALONG SHORT SIDE OF PANELS IF PANEL EDGE IS AT A CORNER)
2. MAX GAP BETWEEN PANELS TO BE 1/4".
3. USE COVE TRIM IN ALL CORNERS AND AROUND TOP PERIMETER. INSTALL USING 3/4" BRAD NAILS.
4. TRIM ALL EXPOSED OPENINGS W/ OUTSIDE CORNER TRIM.
5. USE 10 FT TRIM, P/N 320035 FOR JOINT LENGTHS 10FT AND UNDER, USE P/N 320036 FOR JOINT LENGTHS OVER 10FT.



WALL/FLOOR SECTION

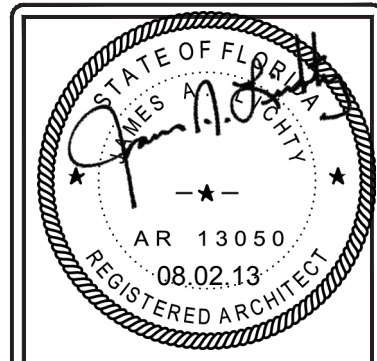


END WALL PANEL WALL/WALL SECTION



JOINT DETAIL PLAN VIEW SECTION

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
F	LJL	5/23/12	UPDATED TRIM PART NUMBERS	LJL	5/23/12
E	RRG	9/22/11	UPDATED BUBBLE CALL-OUTS	LJL	9/22/11
D	PMD	8/18/11	UPDATED PARTS LIST	LJL	8/19/11
C	DJC	08/21/09	REVISED NOTES	VGH	08/21/09
B	GAB	03/06/09	CHG'D OSB TO 15/32"	VGH	03/06/09
A	LD	10/11/07	CHG DESCRIPTION OF INSULATION	VGH	10/11/07



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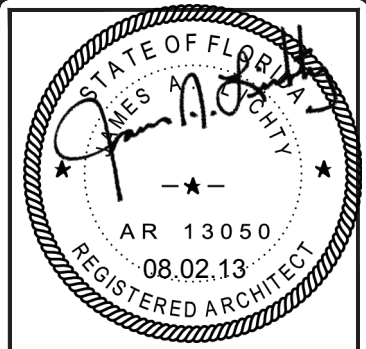
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CUSTOMER:
 ENGINEERING STANDARD

PROJECT:
 CONCRETE SHELTER
 INT. PANELING INSTALL
 (1) LAYER
 WALLS <= 9'-6"

FILENAME: 108-035	TOLERANCE:
SCALE: 3/16"=1"	DATE: 10/6/05
DRWN. BY: C. CASINGER	DATE: 10/6/05
CHK. BY: V. HASSELL	DATE: 10/6/05
ENG. BY: K. BARNETT	DATE: 10/6/05
APP. BY:	DATE:

SHEET NO.
 1 OF 2
 DRAWING NO.:
 108-035
 REV.:
 F



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CUSTOMER:
ENGINEERING STANDARD

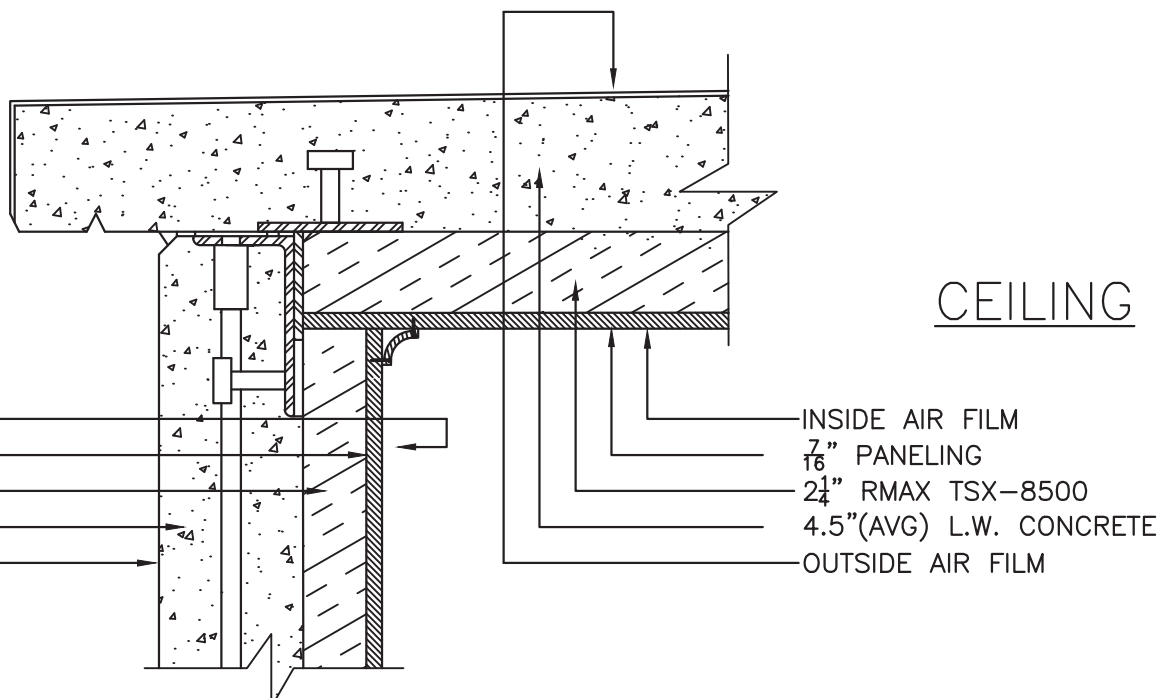
PROJECT:
**CONCRETE SHELTER
 INT. PANELING INSTALL
 (1) LAYER
 R/U CALCULATIONS**

FILENAME: 108-035	
SCALE:	TOLERANCE:
DRWN. BY: C. CASINGER	DATE: 10/6/05
CHK. BY: V. HASSELL	DATE: 10/6/05
ENG. BY: K. BARNETT	DATE: 10/6/05
APP. BY:	DATE:

SHEET NO.
2 OF 2

DRAWING NO.: 108-035	REV.: F
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PFS APPROVED
 DATE 8/5/13
PFS CORPORATION
 Cottage Grove, WI

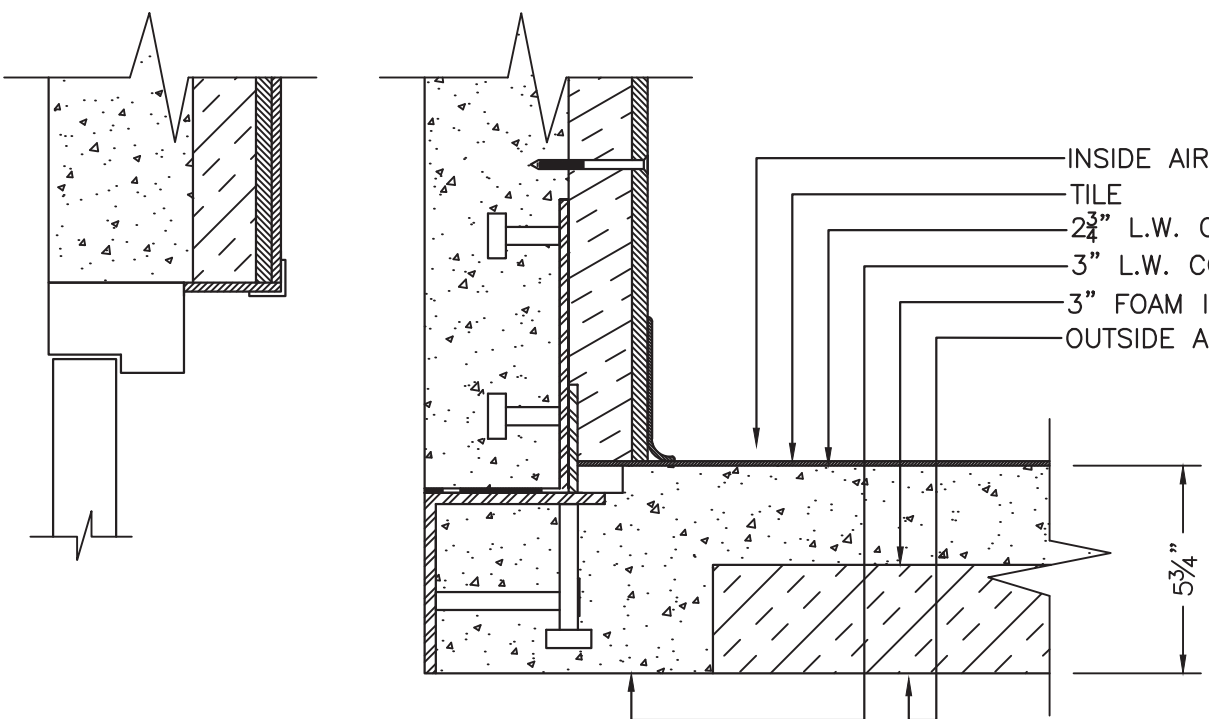


WALL
 (HEAT CAPACITY = 8 BTU/°F)

1.70	INSIDE AIR FILM
0.54	7/16" PANELING
11.20	1 3/4" RMAX TSX-8500
1.36	4" L.W. CONCRETE
0.25	OUTSIDE AIR FILM
<hr/>	
15.05	OVERALL R-VALUE
0.066	OVERALL U-FACTOR

CEILING

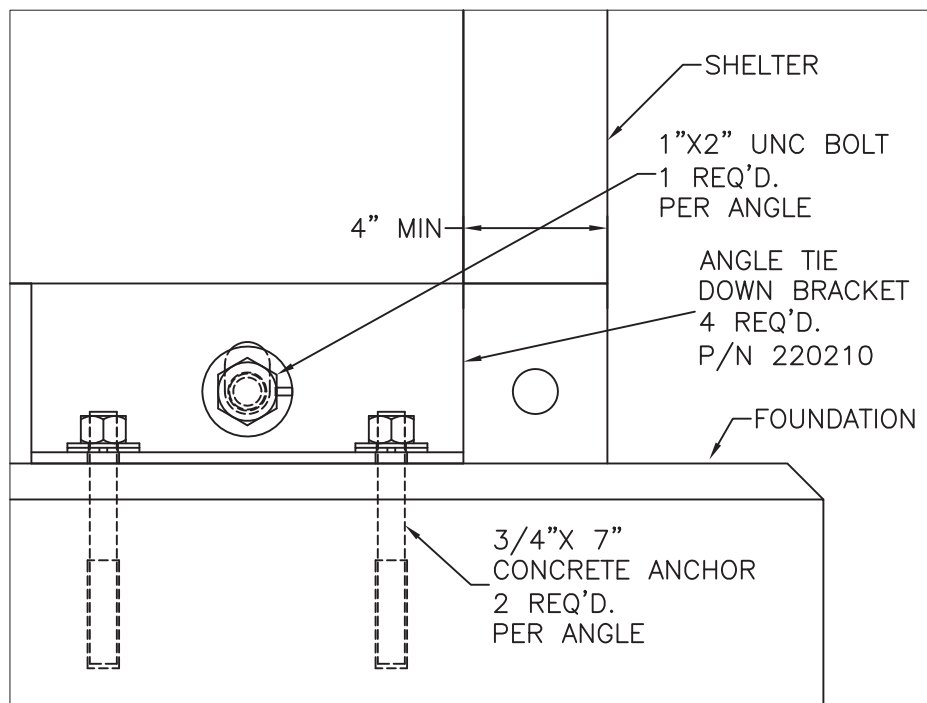
0.61	INSIDE AIR FILM
0.54	7/16" PANELING
14.70	2 1/4" RMAX TSX-8500
1.53	4.5"(AVG) L.W. CONCRETE
0.25	OUTSIDE AIR FILM
<hr/>	
17.64	OVERALL R-VALUE
0.057	OVERALL U-FACTOR



METAL DOOR

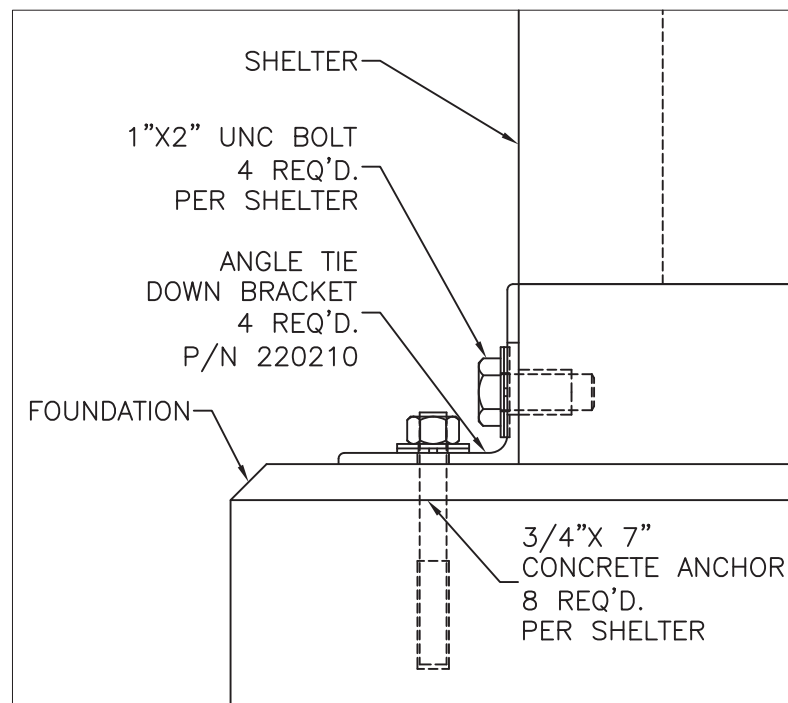
4.167	OVERALL R-VALUE
0.240	OVERALL U-FACTOR

RIB	DECK
0.920	0.920
0.05	0.05
0.94	0.94
1.02	--
--	10.800
0.25	0.25
<hr/>	
2.140	12.460 TOTAL 'R'
0.467	0.080 TOTAL 'U'
0.286	0.714 SURFACE AREA RATIO
0.960	12.380 R-FACTOR PER SURFACE AREA
<hr/>	
0.191	OVERALL U-FACTOR
5.237	OVERALL R-VALUE



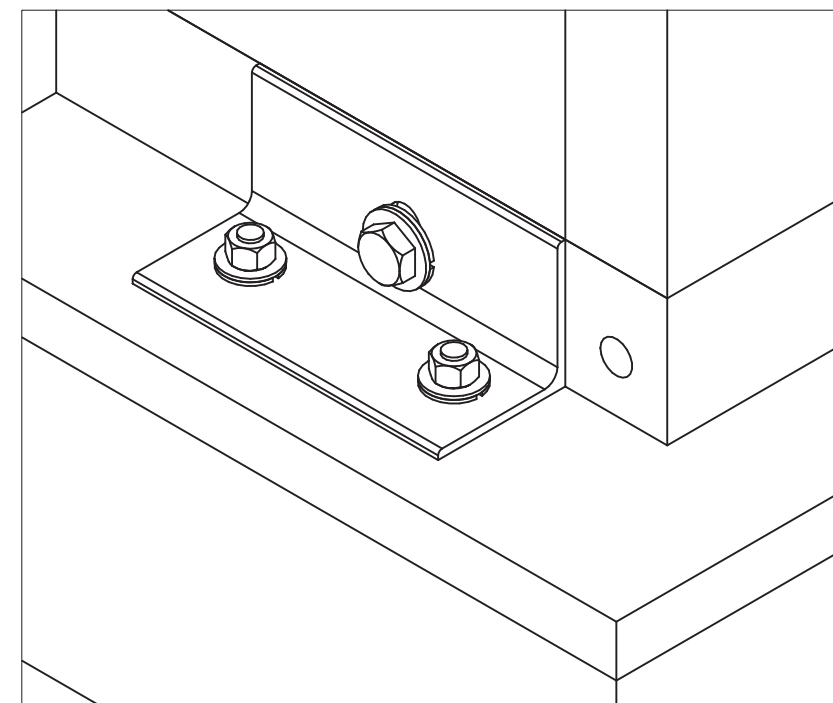
CONNECTION DETAIL FRONT

SCALE: 3/16"=1"



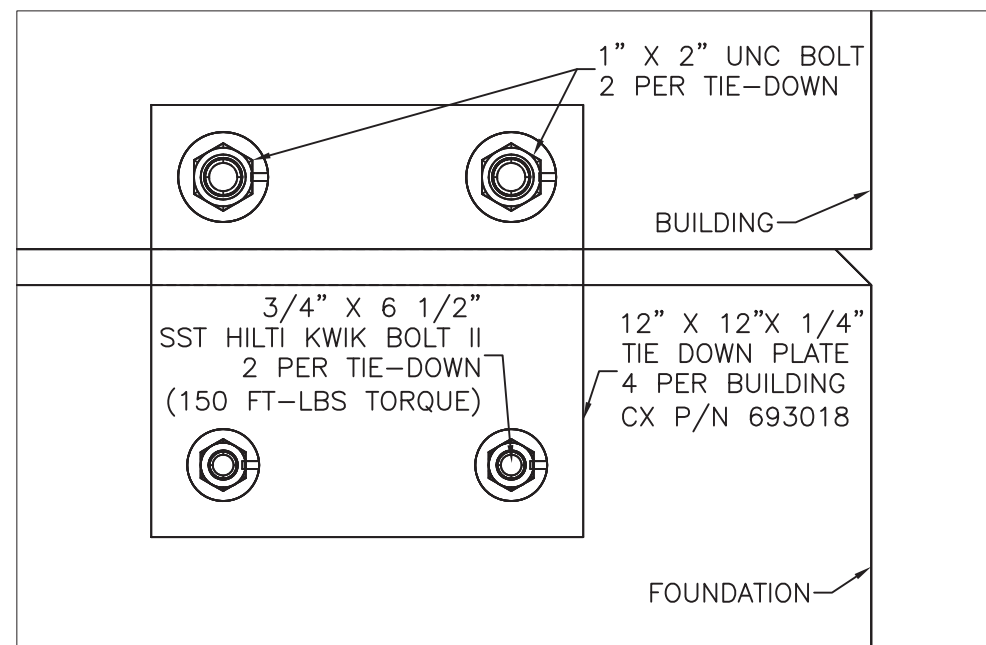
CONNECTION DETAIL SIDE

SCALE: 3/16"=1"



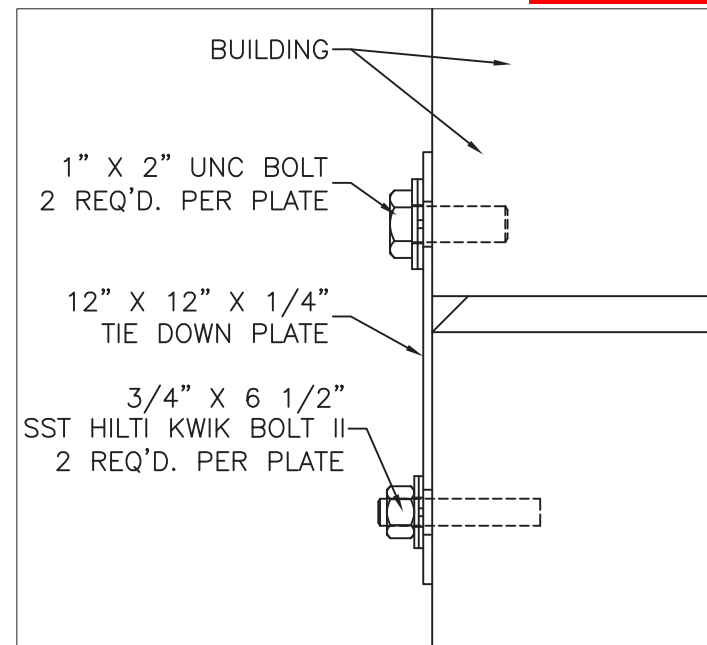
CONNECTION DETAIL ISOMETRIC

SCALE: 3/16"=1"



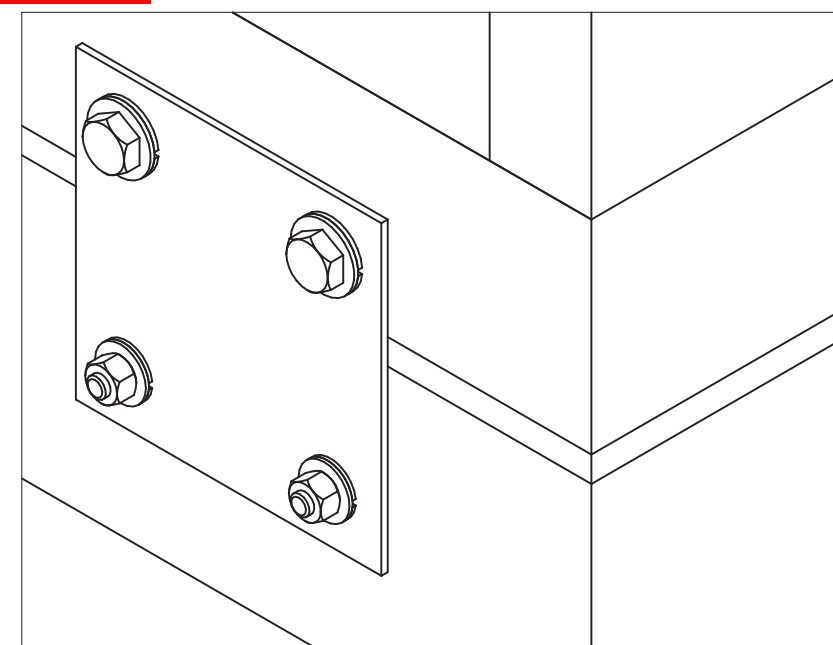
CONNECTION DETAIL FRONT

SCALE: 3/16 = 1"



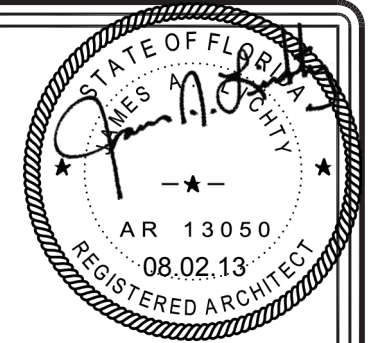
CONNECTION DETAIL SIDE

SCALE: 3/16 = 1"



CONNECTION DETAIL ISOMETRIC

SCALE: 1/8" = 1"



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www.cellxion.com

CUSTOMER:
ENGINEERING STANDARD

PROJECT:
ANGLED/FLAT TIEDOWN DETAILS

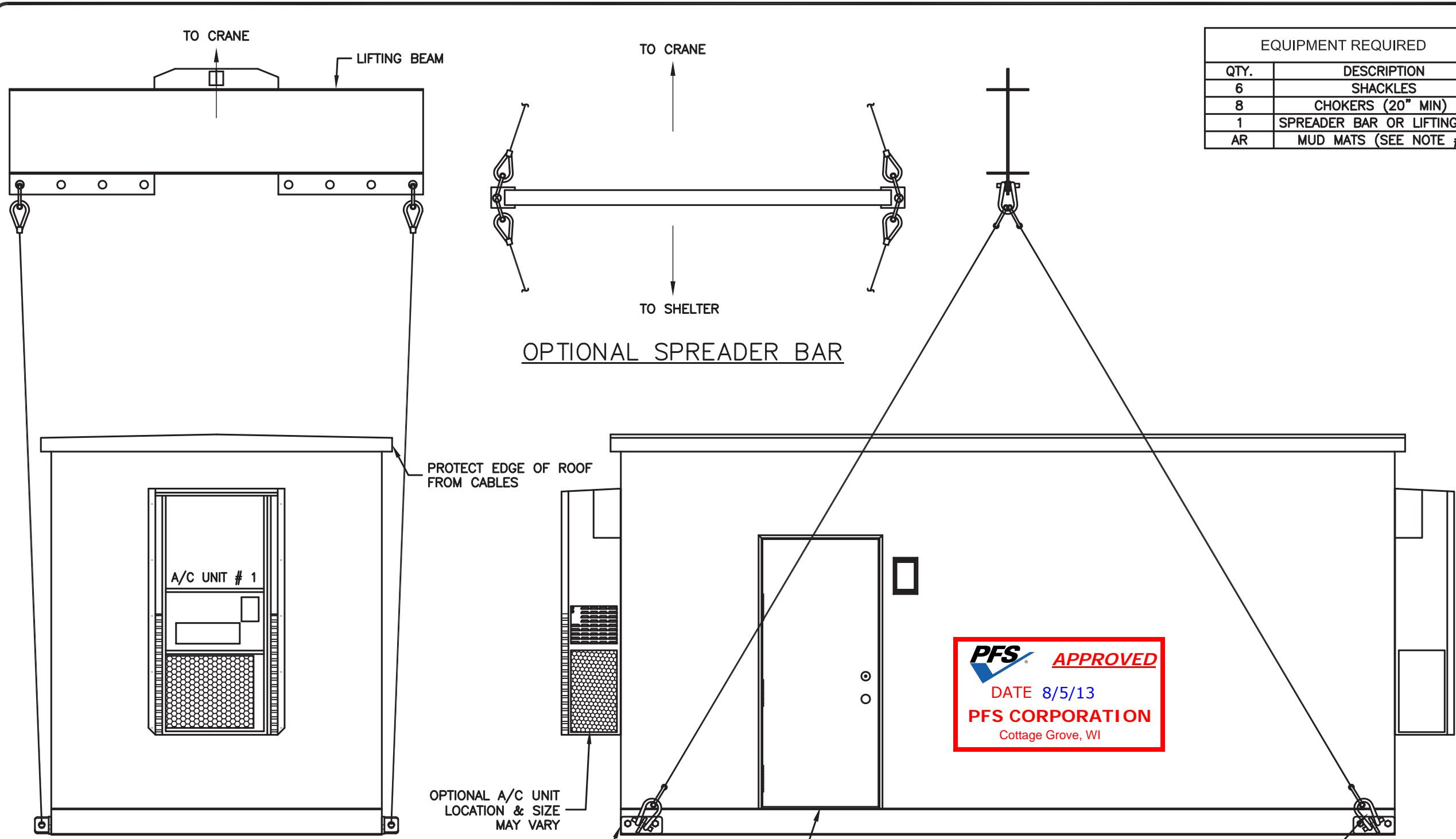
FILENAME:
108-039

SCALE: NOTED	TOLERANCE: ±1/4"
DRWN. BY: A. MCWHINEY	DATE: 02/17/06
CHK. BY: V. HASSELL	DATE: 02/17/06
ENG. BY: K. BARNETT	DATE: 02/17/06
APP. BY: J. HOOD	DATE: 02/17/06

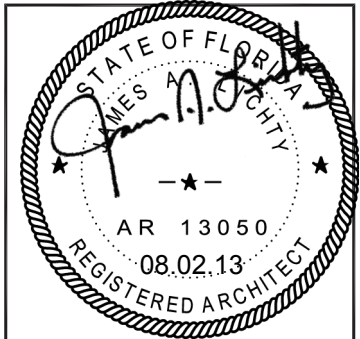
SHEET NO.
1 OF 1

DRAWING NO.:
108-039

A	DJC	08/20/09	ADD LOCK WASHER TO CON DETAILS, ADD P/N TO PLATE	GAB	08/20/09
REV	BY	DATE	DESCRIPTION	APP. BY	DATE



EQUIPMENT REQUIRED	
QTY.	DESCRIPTION
6	SHACKLES
8	CHOKERS (20" MIN)
1	SPREADER BAR OR LIFTING BEAM
AR	MUD MATS (SEE NOTE #2)



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CUSTOMER:
 PREP TO MOVE STANDARD

PROJECT:
 SHELTER LIFTING DETAILS
 4 LIFTING POINTS

FILENAME: 108-088	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: J. ASHLEY	DATE: 5/13/08
CHK. BY: V. HASSELL	DATE: 5/13/08
ENG. BY:	DATE:
APP. BY:	DATE:
SHEET NO. 1 OF 3	
DRAWING NO.:	B
108-088	

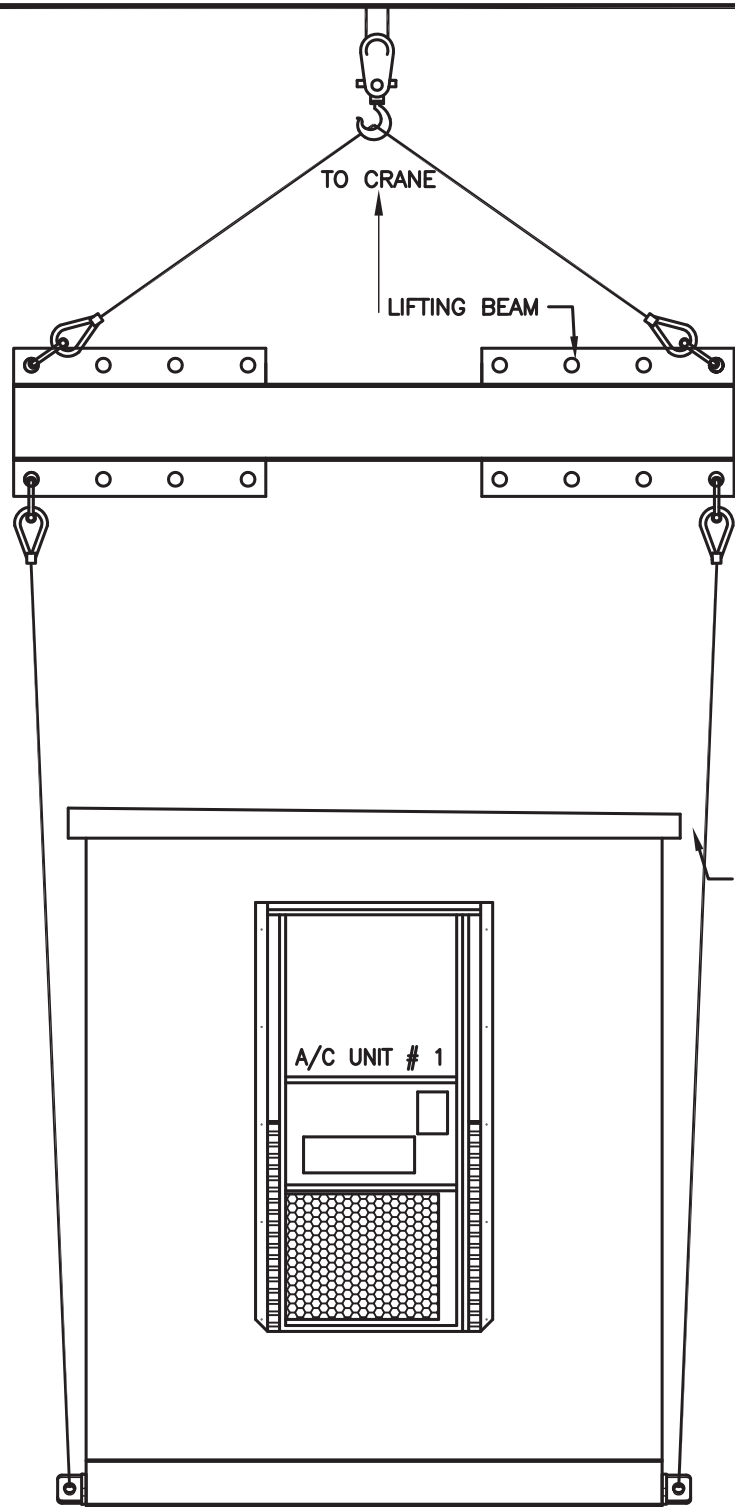


END VIEW
 SCALE: 1/4" = 1'-0"

SIDE VIEW
 SCALE: 1/4" = 1'-0"

- NOTES:
- FOUR (4) LIFTING POINTS REQUIRED ONLY FOR SHELTER LESS THAN 24' LONG.
 - SHELTER SIZE & CONFIG. MAY VARY.
 - COMPENSATE WEIGHT DIFFERENCE WITH ADDITIONAL SHACKLES IF REQ'D.
 - MUD MATS ARE TO BE USED IF SITE CONDITIONS WARRANT.
 - REVIEW WEIGHT TICKETS AND SITE CONDITIONS TO DETERMINE PROPER SIZING OF EQUIPMENT AND RIGGING.
 - SPREADER LENGTH TO BE WIDER THAN SHELTER TO KEEP CABLES FROM RUBBING AT ROOF.

B	GAB	01/19/11	ADDED THE WORD OPTIONAL TO THE A/C	GAB	01/19/11
A	AMM	9/15/09	ADDED 8 LIFTING POINTS OPTION	LD	9/15/09
REV BY	DATE	DESCRIPTION		APP. BY	DATE

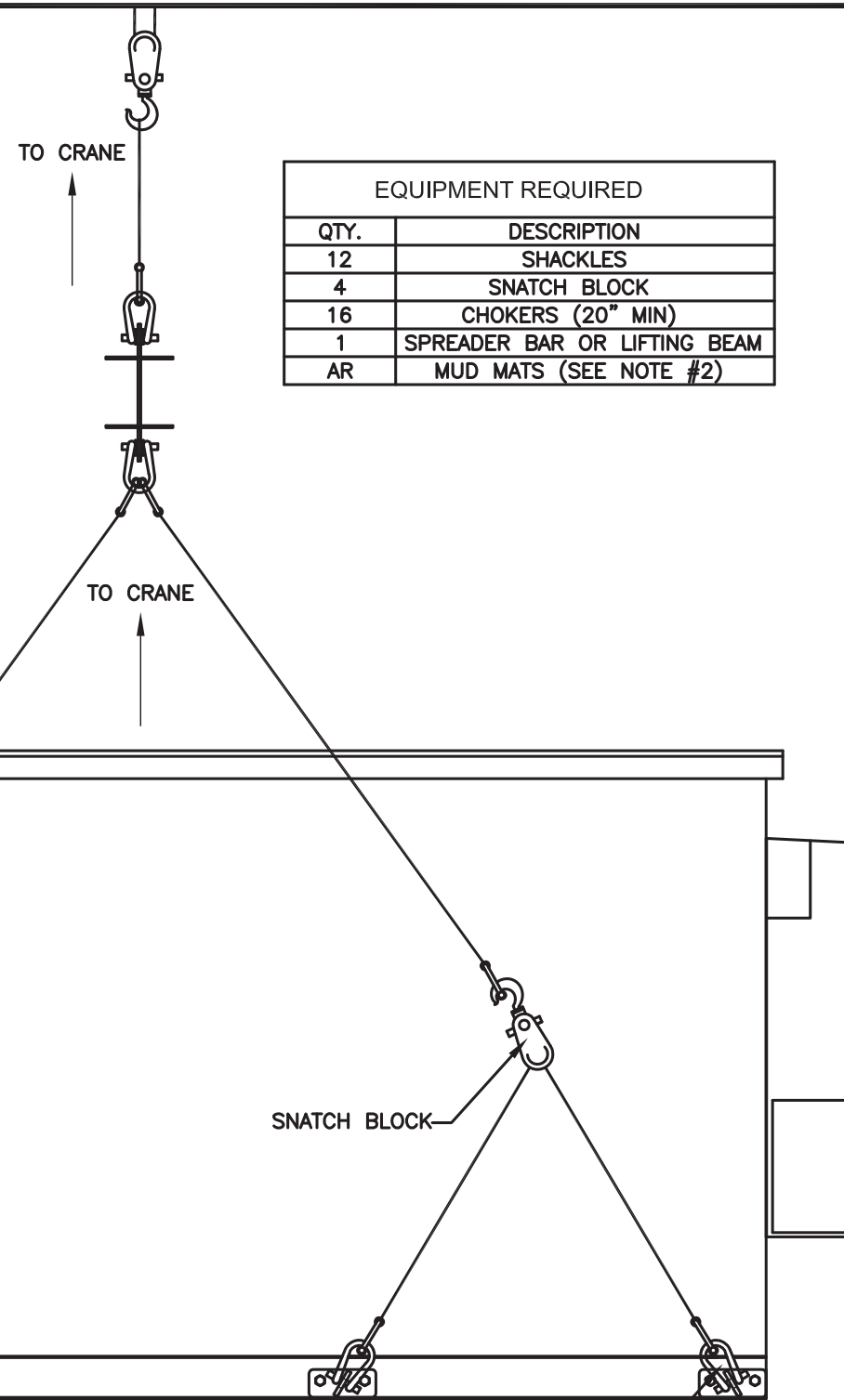


END VIEW
SCALE: 1/4" = 1'-0"

NOTES:

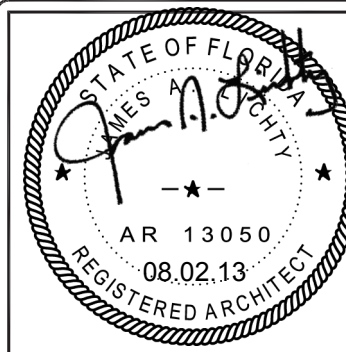
1. EIGHT (8) LIFTING POINTS REQUIRED ONLY FOR SHELTER 24' AND LONGER.
2. SHELTER SIZE & CONFIG. MAY VARY.
3. COMPENSATE WEIGHT DIFFERENCE WITH ADDITIONAL SHACKLES IF REQ'D.
4. MUD MATS ARE TO BE USED IF SITE CONDITIONS WARRANT.
5. REVIEW WEIGHT TICKETS AND SITE CONDITIONS TO DETERMINE PROPER SIZING OF EQUIPMENT AND RIGGING.
6. SPREADER LENGTH TO BE WIDER THAN SHELTER TO KEEP CABLES FROM RUBBING AT ROOF.

PFS APPROVED
 DATE 8/5/13
PFS CORPORATION
 Cottage Grove, WI



SIDE VIEW
SCALE: 1/4" = 1'-0"

EQUIPMENT REQUIRED	
QTY.	DESCRIPTION
12	SHACKLES
4	SNATCH BLOCK
16	CHOKERS (20" MIN)
1	SPREADER BAR OR LIFTING BEAM
AR	MUD MATS (SEE NOTE #2)



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 5031 Hazel Jones Road
 Bossier City, Louisiana 71111
 voice: (318) 213-2900
 fax: (318) 213-2919
 www.cellxion.com

CUSTOMER:
PREP TO MOVE STANDARD

PROJECT:
**SHELTER LIFTING DETAILS
 8 LIFTING POINTS
 OPTION-1**

FILENAME: 108-088	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: J. ASHLEY	DATE: 5/13/08
CHK. BY: V. HASSELL	DATE: 5/13/08
ENG. BY:	DATE:
APP. BY:	DATE:

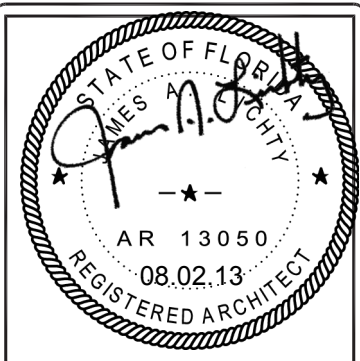
SHEET NO.
 2 OF 3
 DRAWING NO.:
108-088

REV BY	DATE	DESCRIPTION	APP. BY	DATE
B	GAB 01/19/11	ADDED THE WORD OPTIONAL TO THE A/C	GAB	01/19/11
A	AMM 9/15/09	ADDED 8 LIFTING POINTS OPTION	LD	9/15/09

NOTES:

1. EIGHT (8) LIFTING POINTS REQUIRED ONLY FOR SHELTER 24' AND LONGER.
2. SHELTER SIZE & CONFIG. MAY VARY.
3. COMPENSATE WEIGHT DIFFERENCE WITH ADDITIONAL SHACKLES IF REQ'D.
4. MUD MATS ARE TO BE USED IF SITE CONDITIONS WARRANT.
5. REVIEW WEIGHT TICKETS AND SITE CONDITIONS TO DETERMINE PROPER SIZING OF EQUIPMENT AND RIGGING.
6. SPREADER LENGTH TO BE WIDER THAN SHELTER TO KEEP CABLES FROM RUBBING AT ROOF.

EQUIPMENT REQUIRED	
QTY.	DESCRIPTION
22	SHACKLES
28	CHOKERS (20" MIN)
3	SPREADER BAR OR LIFTING BEAM
AR	MUD MATS (SEE NOTE #2)



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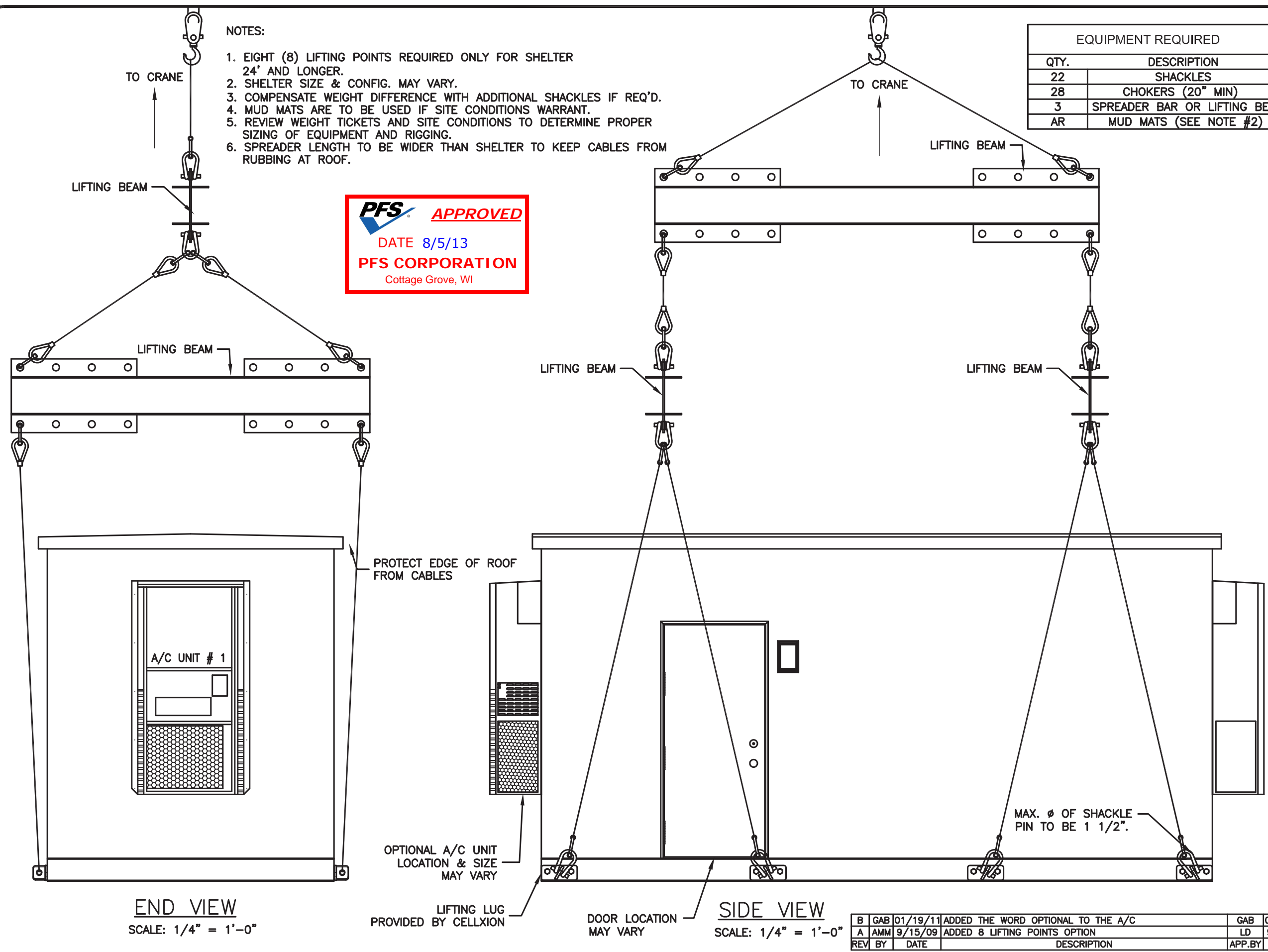
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CUSTOMER:
 PREP TO MOVE STANDARD

PROJECT:
 SHELTER LIFTING DETAILS
 8 LIFTING POINTS OPTION-2

FILENAME: 108-088	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: J. ASHLEY	DATE: 5/13/08
CHK. BY: V. HASSELL	DATE: 5/13/08
ENG. BY:	DATE:
APP. BY:	DATE:

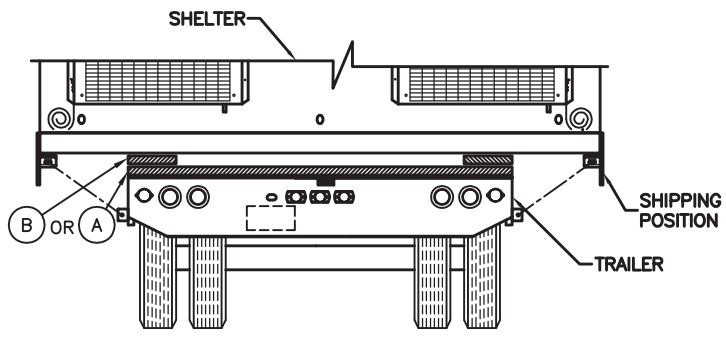
SHEET NO.
 3 OF 3
 DRAWING NO.:
 108-088



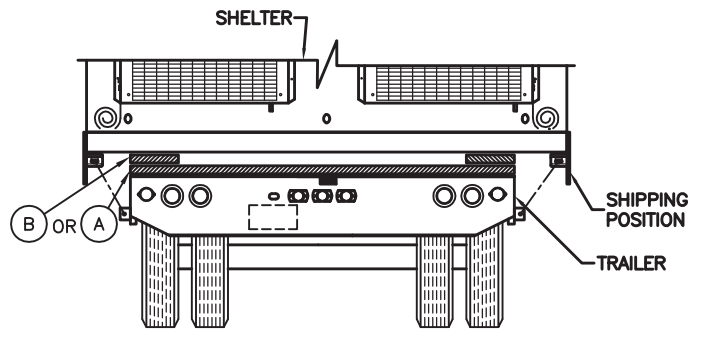
END VIEW
 SCALE: 1/4" = 1'-0"

SIDE VIEW
 SCALE: 1/4" = 1'-0"

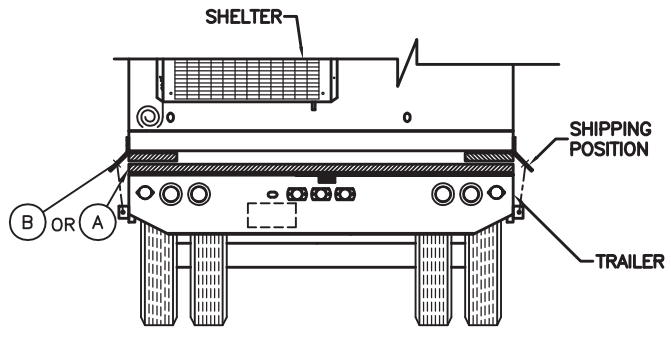
B	GAB	01/19/11	ADDED THE WORD OPTIONAL TO THE A/C	GAB	01/19/11
A	AMM	9/15/09	ADDED 8 LIFTING POINTS OPTION	LD	9/15/09
REV BY	DATE	DESCRIPTION		APP. BY	DATE



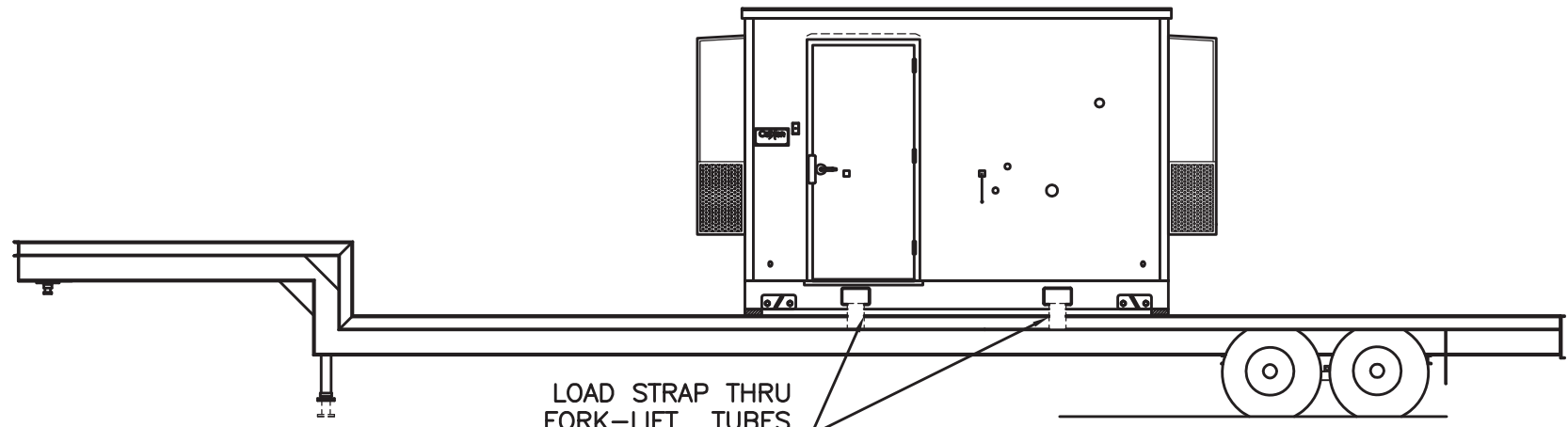
REAR VIEW OF TRAILER



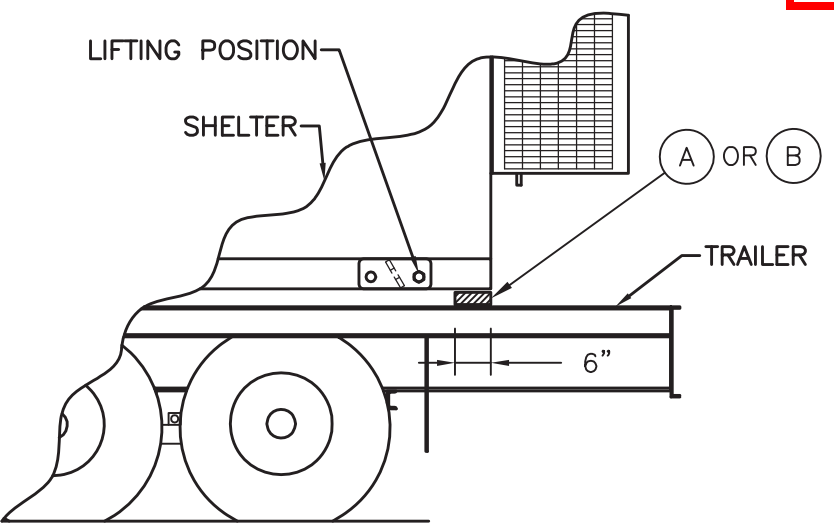
REAR VIEW OF TRAILER



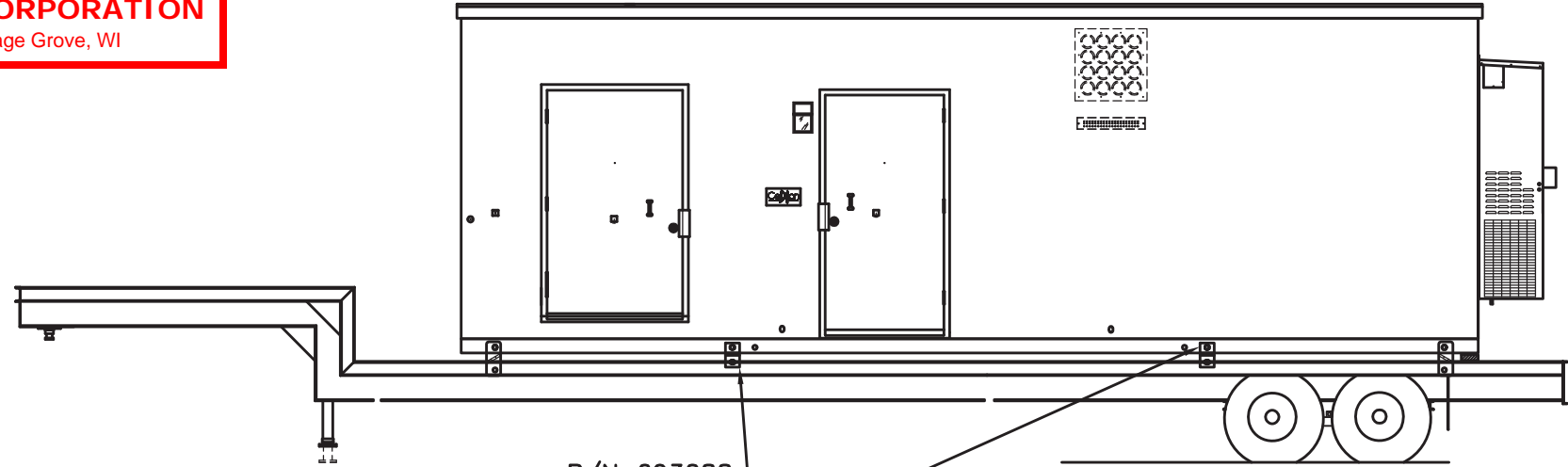
REAR VIEW OF TRAILER



LOAD STRAP THRU FORK-LIFT TUBES FOR TIE-DOWN TO TRAILER PROTECT CORNERS



SIDE VIEW OF TRAILER



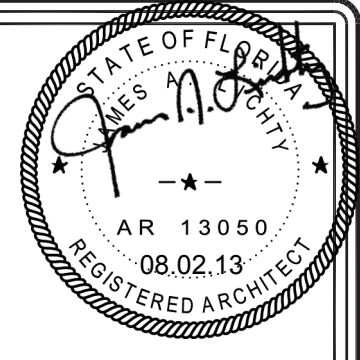
P/N 693088 (4) SHIPPING BRACKETS PLACED APPROX. 8'-0" FROM EACH END OF SHELTER FOR 24'-0" OR GREATER LENGTHS.

ITEM/CUT LIST

ITEM LETTER	P/N	MATERIAL
A		INSUAL. RMAX, OR BEAD BOARD, 1 1/2" MIN. THICKNESS
B		RUBBER PAD, 60 DUR. 3/4" MIN THICKNESS

NOTES:

1. DO NOT PLACE RUBBER PADS UNDER DOORWAYS.
2. RUBBER PAD TO BE 6" X 12" MIN.
3. INSULATION TO BE 6" WIDE, LENGTH AS REQ'D.
4. LOCATION OF RUBBER PAD SHOULD BE AT OUTERMOST POINTS ON TRAILER WHICH CAN PROVIDE ADEQUATE SUPPORT.



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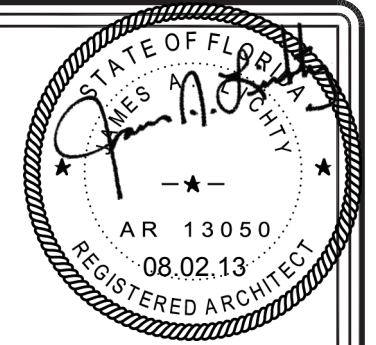
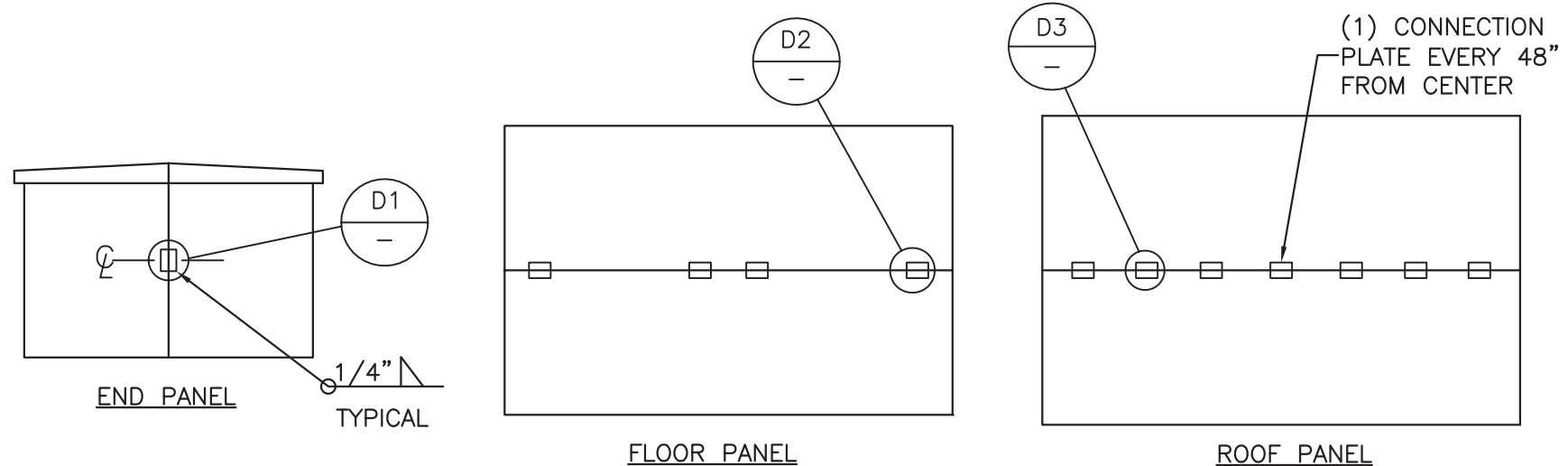
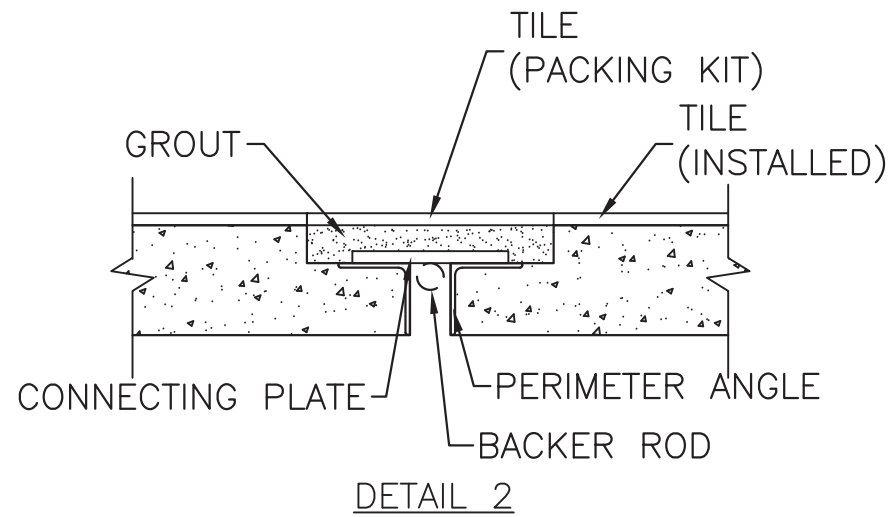
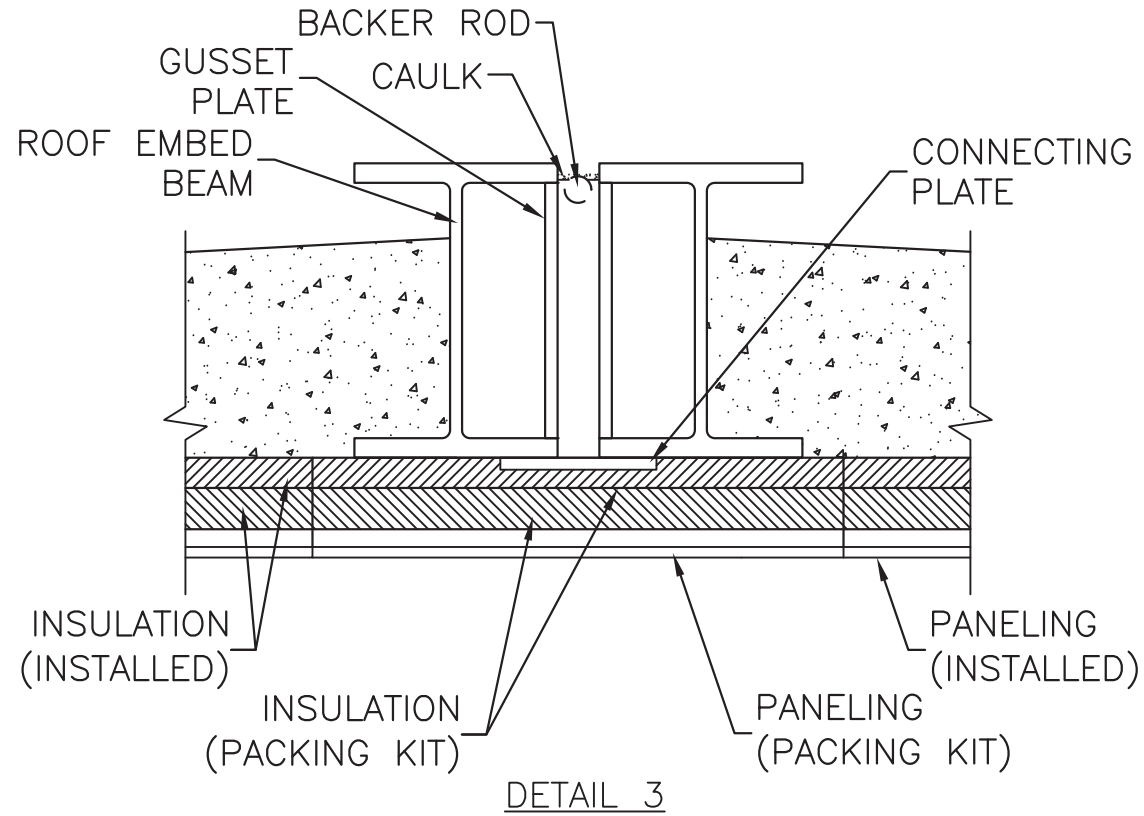
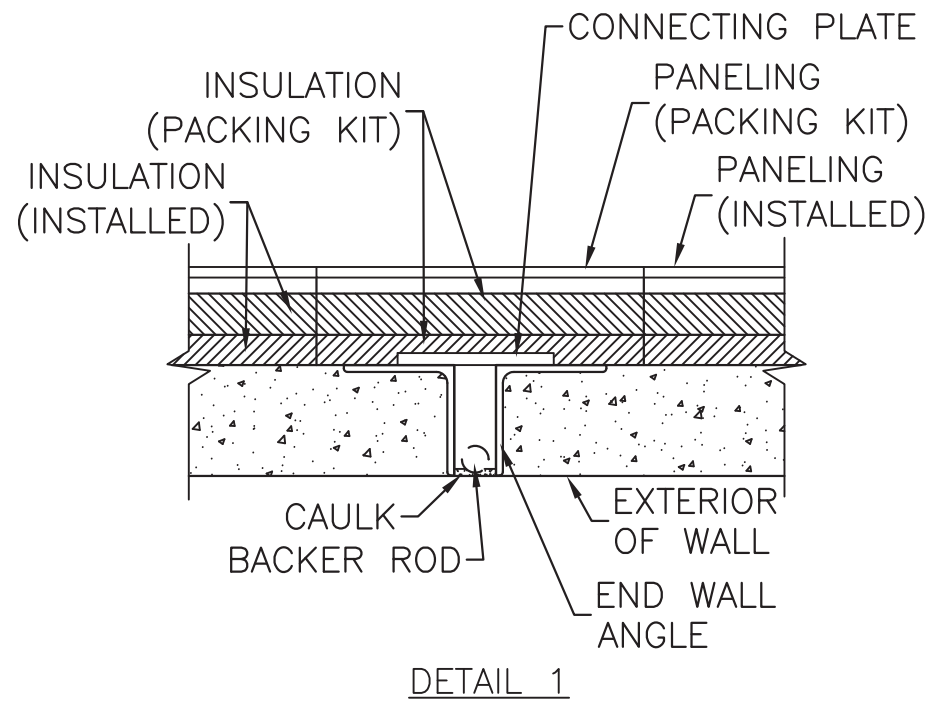
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CUSTOMER:
 PREP TO MOVE STANDARD

PROJECT:
 SHELTER LOADING DETAILS

FILENAME: 108-089	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: J. ASHLEY	DATE: 5/13/08
CHK. BY: V. HASSELL	DATE: 5/13/08
ENG. BY:	DATE:
APP. BY:	DATE:
SHEET NO. 1 OF 1	
DRAWING NO.: 108-089	A

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
A	JFA	6/4/08	ADDED TRAILER LOADING DETAIL	VGH	6/4/08



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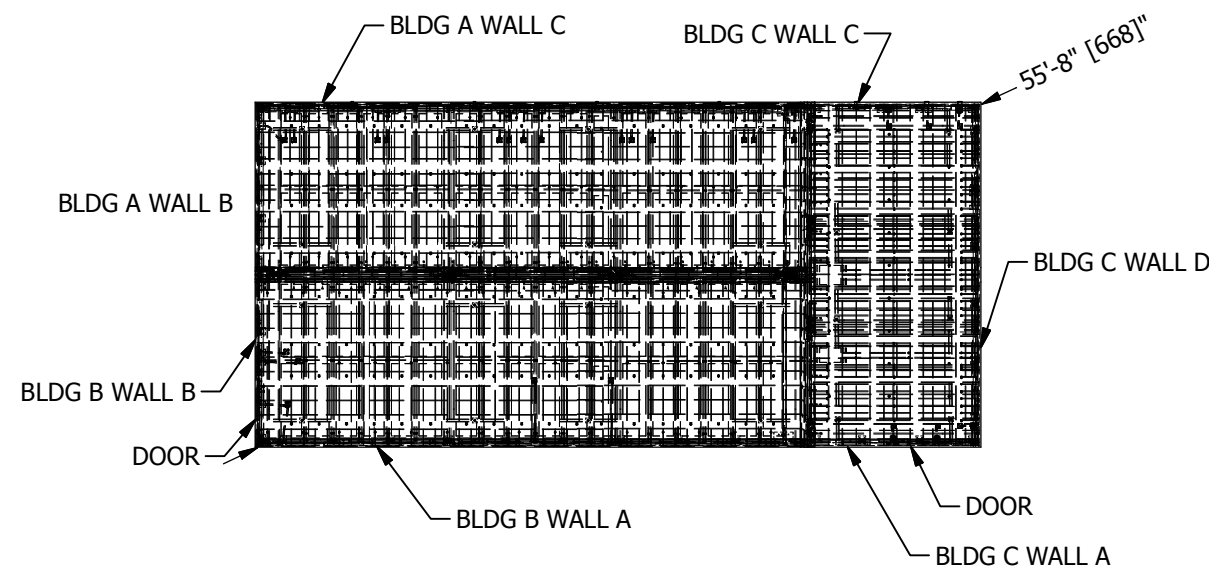
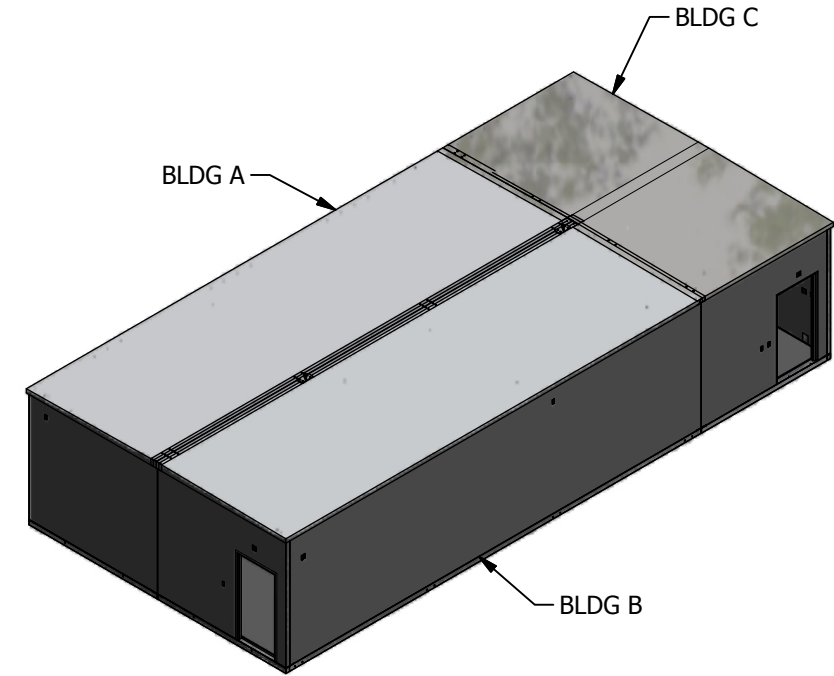
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CUSTOMER:
 INSULATED SHELTER

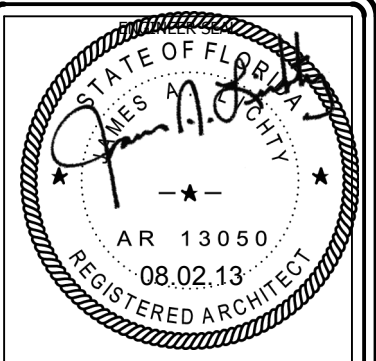
PROJECT:
 CONCRETE SHELTER
 DOUBLEWIDE SHELTER
 CONNECTION DETAILS

FILENAME: 108-109	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: G. BRINKMAN	DATE: 07/13/11
CHK. BY: J. IRVING	DATE: 07/13/11
ENG. BY: J. IRVING	DATE: 07/13/11
APP. BY: J. IRVING	DATE:
SHEET NO. 1 OF 1	
DRAWING NO.: 108-109	REV.:

PART LIST					PART LIST						
ITEM	QTY	U/M	P/N	DEPT	DESCRIPTION	ITEM	QTY	U/M	P/N	DEPT	DESCRIPTION
501	2	Each	142062	10	I-BEAM, TAPERED, W6X25X143.5	590	2	EA.	221390	10	BRACING SPPRT ASSY, DBL WIDE, 172.25
502	1	Each	142063	10	I-BEAM, TAPERED, W6X15X287	591, 592, 593, 594, 595, 596, 597, 598	137.018	FBM	360151	10	INSULATION, EPS, FOAM, RAW MATL B-FOOT
504	8	Each	168433	10	NUT, 1"X3", HEX, COUPLING	599	1	EA.	221391	10	BRACING SPPRT ASSY, DBL WIDE, 179.9
505	3.33333 ft	FT	170003	10	PIPE, PVC, SCH 40, 1 1/2"	600, 601, 602, 603, 604, 605, 606, 607	40.907	FT.	410584	10	CONDUIT, 1", BLUE FLEX ENT, CARLON
506, 507	4	FT	170005	10	PIPE, PVC, SCH 40, 3"	609	64	EA.	410629	10	ADAPTER, BLU. FLEX ENT, 3/4", CARLON
508	1	EA.	22-1111X2308	10	PMTR ANGLE FRAME ASSY H.S. 11'11"X23"	610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 642, 643, 644, 645, 646, 647, 648, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664	129.09	FT.	410632	10	CONDUIT, BLUE FLEX ENT, 3/4", CARLON
509	2	EA.	221-1110X3803-00	10	CONCRETE FLR ASSY KIT, 11'10"X38'03"	665	10	EA.	410637	10	ADAPTER, BLU. FLEX ENT, 1", CARLON
510	2	Each	221242	10	ROOF EMBED BEAM, TRIPLE WIDE, W6X15	666	1	EA.	221392	10	BRACING SPPRT ASSY, DBL WIDE, 137.1
511	1	EA.	221395	30	BRACING DBL. SPPRT ASSY, DBL WIDE, 121"	667	2	Each	501079	10	DOOR FRM, 3670, RHRB, REP, BR, 4
514	1	EA.	221397	10	BRACING SPPRT ASSY, DBL WIDE, 174"	668	1	EA.	221393	10	BRACING SPPRT ASSY, DBL WIDE, 136.0
515, 516, 517, 518	12.052	CU.YD.	100052-001		CONCRETE, 1 CUBIC YARD BATCH, WALLS	669	1	EA.	221394	10	BRACING SPPRT ASSY, DBL WIDE, 138.75
519, 520, 521	3	CU.YD.	100052-002	10	CONCRETE, 1 CUBIC YARD BATCH, FLOOR	670	1	EA.	221395	10	BRACING SPPRT ASSY, DBL WIDE, 174.80
522	13.857	CU.YD.	100052-003	10	CONCRETE, 1 CUBIC YARD BATCH, ROOF	671	66	EA.	410046	30	LOCKNUT, EMT, 3/4"
523	1	Each	10RH1107-01	10	SIDE WALL RAIL ANGLE, 20'-0" (PRODUCTION TOOL)	672	10	Each	410047	30	LOCKNUT, EMT, 1"
524	1	Each	10RH1107-02	10	SIDE WALL RAIL ANGLE, 20'-0" (PRODUCTION TOOL)	673	9	EA.	430151	30	BOX, JUNCT, 2"X4", 2-1/8" DEEP
525	1	EA.	10RH1107-03	10	END WALL TOP RAIL ANGLE, 11'07" (PRODUCTION TOOL)	674	10	EA.	431424	30	BOX, JUNCT, MASONRY, 2"X4", PLASTIC
526	1	EA.	10RH1107-04	10	END WALL TOP RAIL ANGLE, 11'07" (PRODUCTION TOOL)	675	31	Each	430005	30	BOX, JUNCT, 4"X4", 2-1/8D, 1/2"-3/4KO
527	2	Each	10RH1110-01	10	SIDE WALL RAIL ANGLE, 20'-0" (PRODUCTION TOOL)	676	13	Each	431425	30	BOX, JUNCT, MASONRY, 4"X4", PLASTIC
528	2	Each	10RH1110-02	10	CASTING BED TOP RAIL ANGLE 11'10"	677	6	EA.	220232	99	LIFTING LUG, 6"X12"X3/4", RH-LIFT
529	1	Each	10RH2308-01	10	SIDE WALL TOP RAIL ANGLE, 23'08"	678	6	EA.	220233	99	LIFTING LUG, 6"X12"X3/4", LH-LIFT
530	1	Each	10RH2308-02	10	SIDE WALL BOTTOM RAIL ANGLE, 23'08"	679	2	Each	146014	99	PLATE, 1", GRADE A36, RAW MATERIAL
531	1	Each	10RH3711-01	10	SIDE WALL TOP RAIL ANGLE, 37'11"						
532	1	Each	10RH3711-02	10	SIDE WALL BOTTOM RAIL ANGLE, 37'11"						
533	1	Each	10RH3711-03	10	SIDE WALL TOP RAIL ANGLE, 37'11"						
534	1	Each	10RH3711-04	10	SIDE WALL BOTTOM RAIL ANGLE, 37'11"						
535, 536, 537, 538, 539, 540, 541, 542	10.816	EA.	110001	10	MESH, WIRE, 4X4, D4XD4, 8'X20'						
543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559	4401.96	FT.	112502	10	REBAR, #4 (1/2") #13 METRIC, GRADE 60						
560	32.333 ft	ft	112502-010	10	REBAR, #4, BENT, 90-DEG, 4'DOOR, LONG						
561, 562, 563, 564, 565	672.25	FT.	112503		REBAR #6 (3/4") #19 METRIC, GRADE 60						
566	99	Each	119010	10	REBAR CHAIR, PLASTIC, #4 W/ BASE 1"						
567	95	EA.	119015	10	REBAR CHAIR, PLASTIC, #4, 1 1/2"						
568	129	Each	119016	10	REBAR CHAIR, PLASTIC, #6, 3/4"						
569	27	Each	119022	10	REBAR CHAIR, PLASTIC, MESH W/BASE 4"						
570, 571, 572, 573	247.82	LBS.	146001		PLATE, 1/2", GRADE 36, RAW MATL						
574	94	EA.	164508	10	NUT, 3/4-10, HH, A325, GALV						
575	146	Each	168213	10	BOLT, 3/4"X2", A325						
576	94	Each	168549	10	WASHER, 3/4", ASTM F436, HARDENED						
578	12	EA.	220219-01	10	ROOF ANCHOR, LIFTING INSERT, 5 1/4"						
579	12	Each	220219-06	10	ROOF ANCHOR, LIFTING INSERT, 5 1/4"						
580	10	EA.	221107	10	WALL EMBED ANGLE ASSY, 6"X4"X10'01"						
581	4	Each	221108	10	WALL EMBED ANGLE ASSY, 5"X5"X10'01"						
582	3	EA.	221396	30	SUPPORT POST ASSY, DBL WIDE, 121"						
583	17	EA.	221751	10	BRACING ANGLE, L6"X4"X3/8", 12"						
584	5	EA.	221752	10	BRACING ANGLE, L6"X4"X3/8", 8"						
585	2	EA.	221760	10	BRACING ANGLE, L6"X6"X3/8", 1'4", 2H						
586	2	EA.	221761	10	BRACING ANGLE, L6"X6"X3/8", 1'4", 4H						
587	30	EA.	222000	10	INSERT ANGLE, WALL TO ROOF						
588	38	EA.	223000	10	INSERT PLATE, ROOF TO 4" WALL, 2 STUD						
589	31	EA.	223100	10	EMBED PLATE, WALL, 1/4"X6"X8"						



SHOP DETAILS	
DWG NO.	DESCRIPTION
10-001	GENERAL INFORMATION SPECIFICATIONS
10-002	WALL/ROOF CONNECTION
10-003	WALL/FLOOR CONNECTION
10-004	WALL/WALL CONNECTION
10-005	WELD PLATE DETAILS
13-001	ROOF DETAIL (RIDGE)
13-002	ROOF DETAIL (EAVE)
14-001	WALL DETAIL (BOTTOM/EDGE)
14-002	WALL DETAIL (TOP OF PANNEL)
14-003	WALL DETAIL (END PANEL EDGE)
14-004	WALL DETAIL (BLOCKOUT)
14-005	WALL DETAIL (PENETRATION)
20-005	WALL/ROOF COVE INSTALLATION
20-006	CORNER COVE INSTALLATION
20-008	DOOR TRIM INSTALLATION
20-020	CARPENTRY STANDARD-1 LAYER CEILING
20-022	CARPENTRY STANDARD-1 LAYER WALLS
20-023	CARPENTRY STANDARD-1 LAYER TRIM



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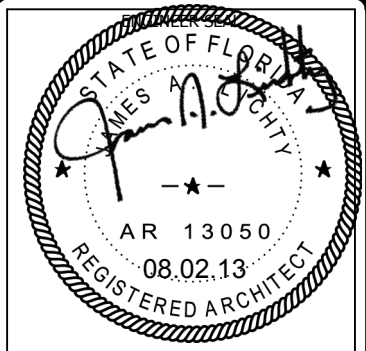
CUSTOMER:
ALLIED FIBER

PROJECT:
CONCRETE SHELTER PART LIST

FILENAME:
SALF01S.dwg
DESIGN BY: SWAMY.N DATE: 7/3/2013
DRAWN BY: V.ACHANTA DATE: 6/30/2013
CHECKED BY: J.ASHLEY DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR DATE: 6/30/2013
APPROVED BY: M.TAYLOR DATE: 6/30/2013

SHEET NO.:
1 OF 22
DRAWING NO.: **SALF01S** REV: **G**

CUT LIST								
ITEM	QTY	U/M	P/N	DESCRIPTION	Length	Width	DEPTH	PCS
505	3.33333	ft	170003	PIPE, PVC, SCH 40, 1 1/2"	4.00000 in			10
506	2.00000	ft	170005	PIPE, PVC, SCH 40, 3"	8.00000 in			3
507	2.00000	ft	170005	PIPE, PVC, SCH 40, 3"	6.00000 in			4
535	5.408	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.00000 in	96.00000 in		11
536	.481	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.00000 in	47.00000 in		2
537	.415	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	114.00000 in	83.87500 in		1
538	.449	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.00000 in	43.87500 in		2
539	1.167	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	140.00000 in	96.00000 in		2
540	.565	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	140.00000 in	93.00000 in		1
541	1.9	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	114.00000 in	96.00000 in		4
542	.43	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.00000 in	83.87500 in		1
543	912	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	288.00000 in			38
544	406.25	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	187.50000 in			26
545	1110.569	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	137.39000 in			97
546	331.333	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	284.00000 in			14
547	334.443	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	138.39000 in			29
548	69.5	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	139.00000 in			6
549	619.5	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	118.00000 in			63
550	84	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.000 in			28
551	6.417	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	77.00000 in			1
552	20.75	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	83.00000 in			3
553	24	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	72.00000 in			4
554	6	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.00000 in			2
555	181.875	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	181.87500 in			12
556	101.906	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	135.87500 in			9
557	20	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	80.00000 in			3
558	163.917	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	281.00000 in			7
559	9.5	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	114.00000 in			1
560	32.333	ft	112502-010	REBAR, #4, BENT, 90-DEG, 4'DOOR, LONG	97.000 in			4
561	548.333	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	140.00000 in			47
562	4	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	16.00000 in			3
563	46.667	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	112.00000 in			5
564	70.25	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	281.00000 in			3
565	3	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	12.00000 in			3
570	6.806	LBS.	146001	PLATE, 1/2", GRADE 36, RAW MATL	6.00000 in	4.00000 in		2
571	121.611	LBS.	146001	PLATE, 1/2", GRADE 36, RAW MATL	285.87500 in	3.00000 in		1
572	2.842	LBS.	146001	PLATE, 1/2", GRADE 36, RAW MATL	2.88000 in	3.48000 in		2
573	116.56	LBS.	146001	PLATE, 1/2", GRADE 36, RAW MATL	137.00000 in	3.00000 in		2
591	18.75	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	5.00000 in	5.00000 in	2.00000 in	54
592	.234	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	3.00000 in	3.00000 in	1.87500 in	2
593	8.625	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	12.00000 in	18.00000 in	5.75000 in	1
594	11.5	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	16.00000 in	18.00000 in	5.75000 in	1
595	13.773	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	30.75000 in	10.75000 in	2.00000 in	3
596	28.187	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	30.75000 in	22.00000 in	2.00000 in	3
597	18.365	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	30.75000 in	10.75000 in	4.00000 in	2
598	37.583	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	30.75000 in	22.00000 in	4.00000 in	2
840	6.133	FT.	410632	CONDUIT, LFMC, 1/2", SEALTITE	73.60047 in			1



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 voice: 318-213-2900
 fax: 318-213-2919
 www.cellxion.com

CUSTOMER:
ALLIED FIBER

PROJECT:
CONCRETE SHELTER CUT LIST

FILENAME:
 SALF01S.dwg

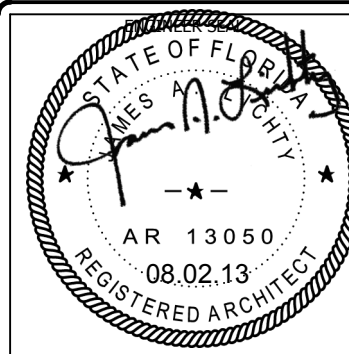
DESIGN BY:	DATE:
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013

SHEET NO.:
2 OF 22

DRAWING NO.:	REV.:
SALF01S	G

PART LIST					
ITEM	QTY	U/M	P/N	DESCRIPTION	PCS
511, 670	2	EA.	221395		1
501	2	Each.	142062	I-BEAM, TAPERED, W6X25X143.5	2
505	3.33333 ft	FT	170003	PIPE, PVC, SCH 40, 1 1/2"	10
509	2	EA.	221-1110X3803-00	CONCRETE FLR ASSY KIT, 11'10"X38'03"	2
510	2	Each	221242	ROOF EMBED BEAM, TRIPLE WIDE, W6X15	2
515, 516	7.665	CU.YD.	100052-001	CONCRETE, 1 CUBIC YARD BATCH, WALLS	
522	13.857	CU.YD.	100052-003	CONCRETE, 1 CUBIC YARD BATCH, ROOF	2
527	2	Each	10RH1110-01	SIDE WALL RAIL ANGLE, 20'-0" (PRODUCTION TOOL)	2
528	2	Each	10RH1110-02	CASTING BED TOP RAIL ANGLE 11'10"	2
531	1	Each	10RH3711-01	SIDE WALL TOP RAIL ANGLE, 37'11"	1
532	1	Each	10RH3711-02	SIDE WALL BOTTOM RAIL ANGLE, 37'11"	1
535, 536, 542	6.319	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	
543, 544, 545, 548, 549, 550, 555	3383.694	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	
566	99	Each	119010	REBAR CHAIR, PLASTIC, #4 W/ BASE 1"	99
567	95	EA.	119015	REBAR CHAIR, PLASTIC, #4, 1 1/2"	95
574	94	EA.	164508	NUT, 3/4-10, HH, A325, GALV	94
575	146	Each	168213	BOLT, 3/4"X2", A325	146
576	94	Each	168549	WASHER, 3/4", ASTM F436, HARDENED	94
578	12	EA.	220219-01	ROOF ANCHOR, LIFTING INSERT, 5 1/4"	12
579	12	Each	220219-06	ROOF ANCHOR, LIFTING INSERT, 5 1/4"	12
580	10	EA.	221107	WALL EMBED ANGLE ASSY, 6"X4"X10'01"	10
582	3	EA.	221396	SUPPORT POST ASSY, DBL WIDE, 121"	3
583	17	EA.	221751	BRACING ANGLE, L6"X4"X3/8", 1'2"	17
584	5	EA.	221752	BRACING ANGLE, L6"X4"X3/8", 8"	5
585	2	EA.	221760	BRACING ANGLE, L6"X6"X3/8", 1'4", 2H	2
586	2	EA.	221761	BRACING ANGLE, L6"X6"X3/8", 1'4", 4H	2
587	30	EA.	222000	INSERT ANGLE, WALL TO ROOF	30
588	38	EA.	223000	INSERT PLATE, ROOF TO 4" WALL, 2 STUD	38
589	31	EA.	223100	EMBED PLATE, WALL, 1/4"X6"X8"	31
590	2	EA.	221390	BRACING SPRT ASSY, DBL WIDE, 172.25	2
591, 595, 597	50.888	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	
609	64	EA.	410629	ADAPTER, BLU. FLEX ENT, 3/4", CARLON	64
656, 657, 658, 659, 660, 661, 662, 663, 664	17.21	FT.	410632	CONDUIT, BLUE FLEX ENT, 3/4", CARLON	1
671	66	EA.	410046	LOCKNUT, EMT, 3/4"	66
672	10	Each	410047	LOCKNUT, EMT, 1"	10
673	9	EA.	430151	BOX, JUNCT, 2"X4" 2 1/8" DEEP	9
674	10	EA.	431424	BOX, JUNCT, MASONRY, 2"X4", PLASTIC	10
675	31	Each	430005	BOX, JUNCT, 4"X4", 2-1/8D, 1/2"-3/4KO	31
676	13	Each	431425	BOX, JUNCT, MASONRY, 4"X4", PLASTIC	13
677	6	EA.	220232	LIFTING LUG, 6"X12"X3/4", RH-LIFT	6
678	6	EA.	220233	LIFTING LUG, 6"X12"X3/4", LH-LIFT	6

CUT LIST							
ITEM	QTY	U/M	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH
505	3.33333 ft	FT	170003	PIPE, PVC, SCH 40, 1 1/2"	4.000 in		
535	5.408	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	96.000 in	
536	.481	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	47.000 in	
542	.43	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	83.875 in	
543	912	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	288.000 in		
544	406.25	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	187.500 in		
545	1110.569	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	137.390 in		
548	69.5	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	139.000 in		
549	619.5	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	118.000 in		
550	84	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.000 in		
555	181.875	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	181.875 in		
591	18.75	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	5.000 in	5.000 in	2.0000 in
595	13.773	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	30.750 in	10.750 in	2.0000 in
597	18.365	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	30.750 in	10.750 in	4.0000 in



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CUSTOMER:
ALLIED FIBER

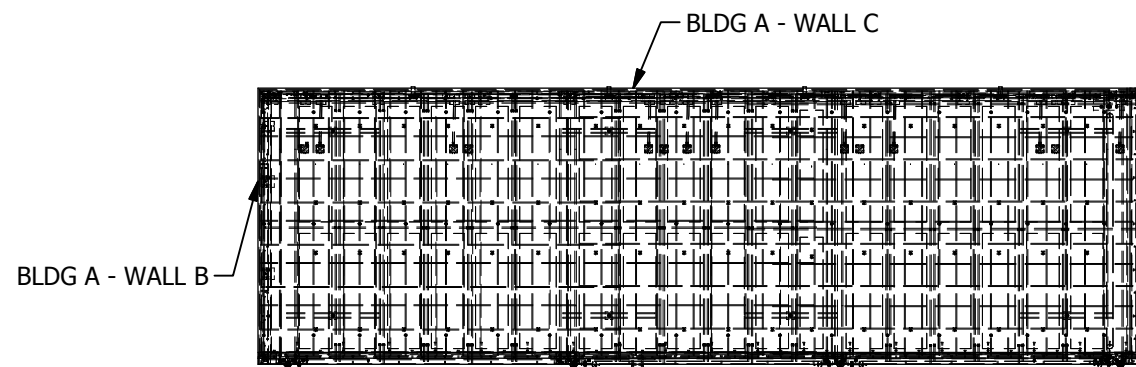
PROJECT:
**38'-4.5" x 11'-11.5"
CONCRETE SHELTER
OVERVIEW OF BLDG A
BLDG A**

FILENAME: SALF01S.dwg	DATE: 7/3/2013
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013

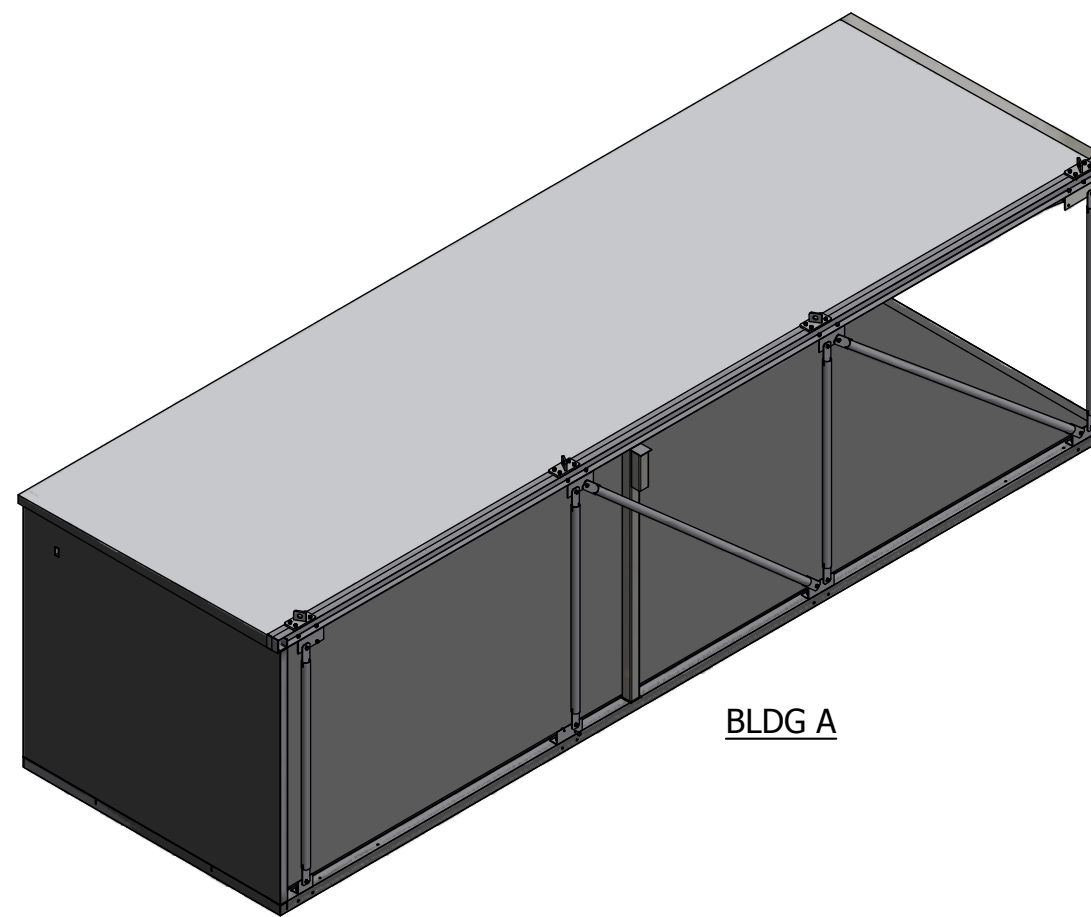
SHEET NO.:
3 OF 22

DRAWING NO.:
SALF01S

REV:
G



**BLDG A
TOP VIEW
SCALE 1:100**

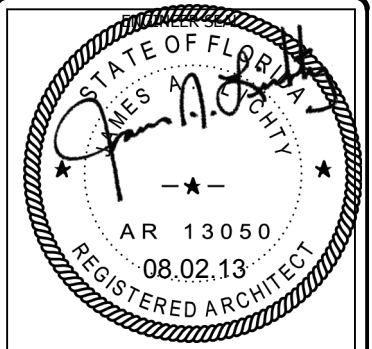


REV	BY	DATE	DESCRIPTION	APP BY
G	SN	07-25-2013	UPDATED PART LIST AND ADDED NEW PARTS	MT
F	SN	07-15-13	UPDATED PART LIST	MT
E	VKA	07/12/2013	ADDED CURRENT SHEET AND UPDATED PART LIST	MT

SUB-PART LIST					
ITEM	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH
527	10RH1110-01	SIDE WALL RAIL ANGLE, 20'-0" (PRODUCTION TOOL)			
528	10RH1110-02	CASTING BED TOP RAIL ANGLE 11'-10"			
535	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	96.000 in	
536	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	47.000 in	
548	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	139.000 in		
549	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	118.000 in		
550	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.000 in		
580	221107	WALL EMBED ANGLE ASSY, 6"X4"X10'1"			

SUB-PART LIST					
ITEM	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH
587	222000	INSERT ANGLE, WALL TO ROOF			
589	223100	EMBED PLATE, WALL, 1/4"X6"X8"			
591	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	5.000 in	5.000 in	2.000 in
609	410629	ADAPTER, BLU. FLEX ENT, 3/4", CARLON			
671	410046	LOCKNUT, EMT, 3/4"			
673	430151	BOX, JUNCT, 2"X4", 2 1/8" DEEP			

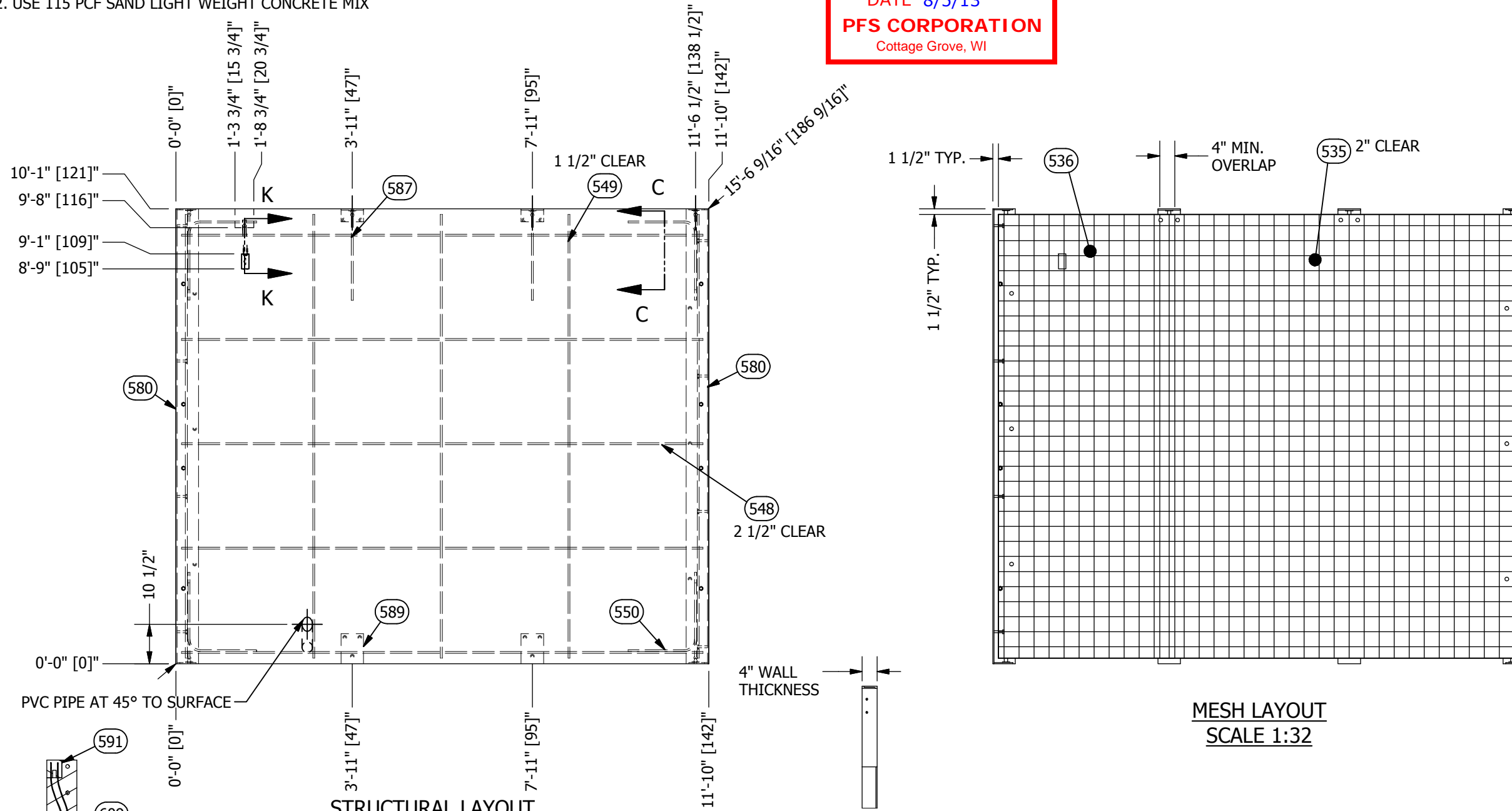
BLDG. A



- NOTE:
 1. CUT WIRE MESH BACK 1 1/2 AROUND ALL BLOCKOUTS
 2. USE 115 PCF SAND LIGHT WEIGHT CONCRETE MIX



NOTTE
 1. ALL ENT ARE 3/4" UNLESS NOTED.



STRUCTURAL LAYOUT
 BLDG A - WALL "B"
 SCALE 1:32

SECTION C-C
 SCALE 1:32

MESH LAYOUT
 SCALE 1:32

SECTION K-K
 SCALE 1:16

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 www.cellxion.com

CUSTOMER:
ALLIED FIBER

PROJECT:
38'-3" X 11'-10" CONCRETE SHELTER STRUCTURAL LAYOUT BLDG A WALL "B"

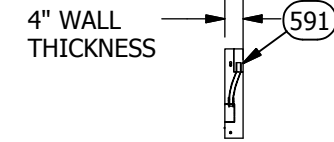
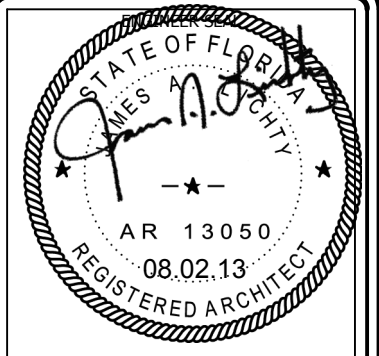
FILENAME: SALF01S.dwg	
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013

SHEET NO.:
4 OF 22
 DRAWING NO.: **SALF01S** REV: **G**

REV	BY	DATE	DESCRIPTION	APP BY
G	SN	07-25-2013	NO REVISION	MT
F	SN	07-15-13	NO REVISION	MT
E	VKA	07/12/13	UPDATED PARTS LIST AND ADDED SECTION VIEW	MT

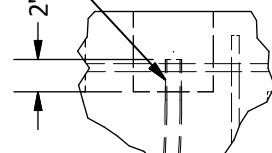
PART LIST						PART LIST					
ITEM	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH	ITEM	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH
505	170003	PIPE, PVC, SCH 40, 1 1/2"	4.000 in			587	222000	INSERT ANGLE, WALL TO ROOF			
531	10RH3711-01	SIDE WALL TOP RAIL ANGLE, 37"11"				589	223100	EMBED PLATE, WALL, 1/4"X6"X8"			
532	10RH3711-02	SIDE WALL BOTTOM RAIL ANGLE, 37"11"				591	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	5.000 in	5.000 in	2.000 in
535	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	96.000 in		595	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	30.750 in	10.750 in	2.000 in
542	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	83.875 in		597	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	30.750 in	10.750 in	4.000 in
543	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	288.000 in			609	410629	ADAPTER, BLU. FLEX ENT, 3/4", CARLON			
549	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	118.000 in			671	410046	LOCKNUT, EMT, 3/4"			
550	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.000 in			672	410047	LOCKNUT, EMT, 1"			
555	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	181.875 in			674	431424	BOX, JUNCT, MASONRY, 2"X4", PLASTIC			
567	119015	REBAR CHAIR, PLASTIC, #4, 1 1/2"				676	431425	BOX, JUNCT, MASONRY, 4"X4", PLASTIC			
580	221107	WALL EMBED ANGLE ASSY, 6"X4"X10"01"									

BLDG. A

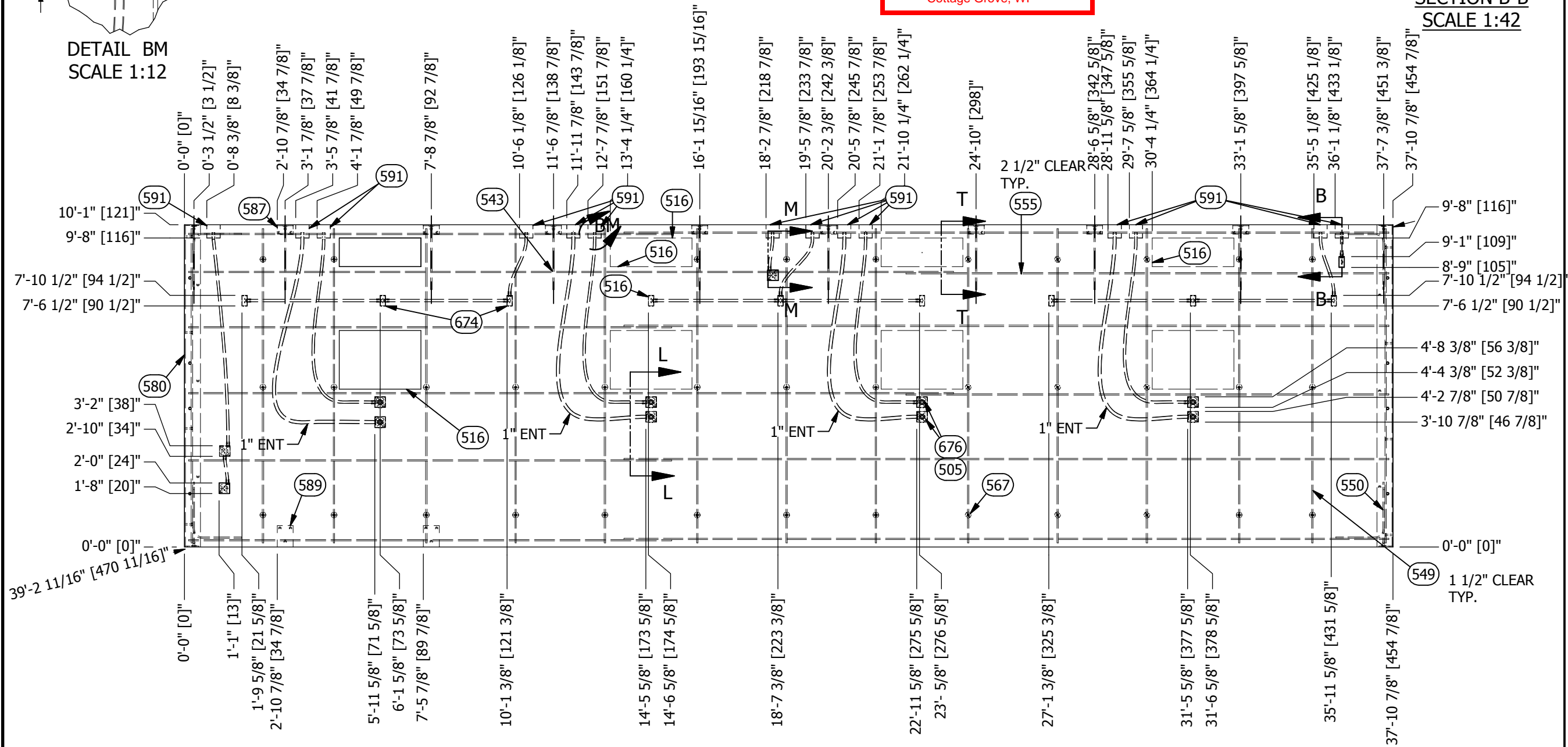


SECTION B-B
SCALE 1:42

INSERT ENT 2" IN TO THE FOAM BLOCK OUT



DETAIL BM
SCALE 1:12



BLDG A - WALL C
SCALE 1:42

- NOTE:
1. ENT SHOULD BE TIED AT TO REBAR AT EVERY 2-3 FOOT INTERVAL.
 2. ALL ENT ARE 3/4" UNLESS NOTED.

REV	BY	DATE	DESCRIPTION	APP BY
G	SN	07-25-13	UPDATED TUBE AND PIPING	MT
F	SN	07-15-13	REMOVED EMBEDS AT THE ENDS OF THE WALL	MT
E	VKA	07/12/13	UPDATED PARTLIST AND BALLONS AND ADDED NOTES	MT

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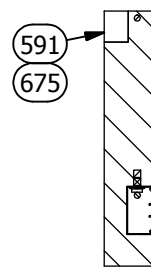
CUSTOMER:
ALLIED FIBER

PROJECT:
**CONCRETE SHELTER
BLDG A - WALL "C"**

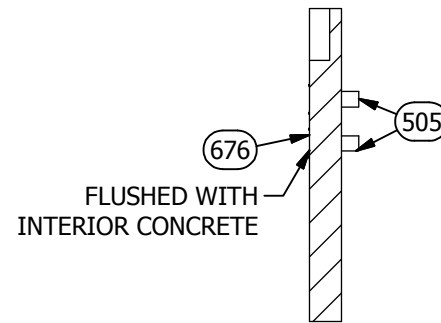
FILENAME: SALF01S.dwg	
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013
SHEET NO.:	
5 OF 22	
DRAWING NO.:	REV:
SALF01S	G

PART LIST					
ITEM	QTY	DESCRIPTION	LENGTH	WIDTH	DEPTH
535	5,408	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	96.000 in	
542	.43	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	83.875 in	

NOTE:
 1. CUT WIRE MEST BACK 1 1/2 AROUND ALL BLOCKOUTS
 2. USE 115 PCF SAND LIGHT WEIGHT CONCRETE MIX

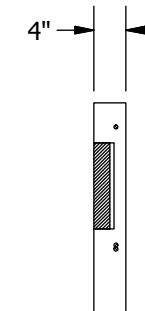


SECTION M-M
SCALE 1:16

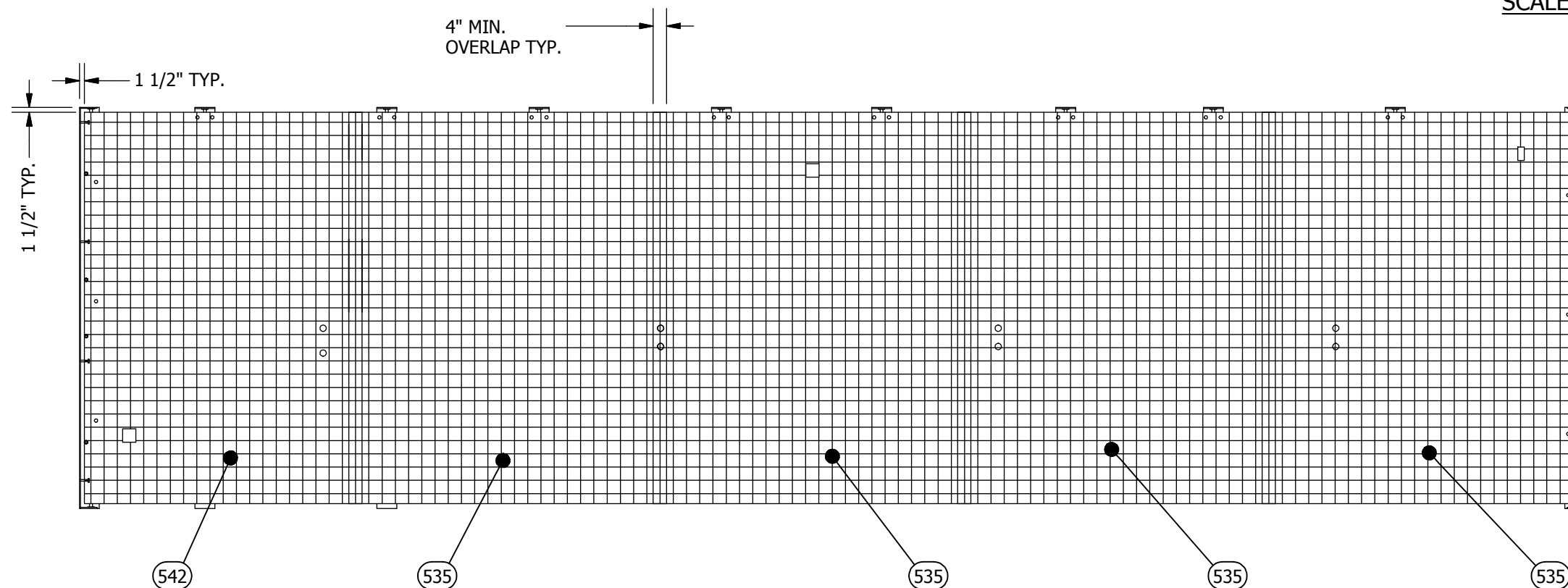


SECTION L-L
SCALE 1:24

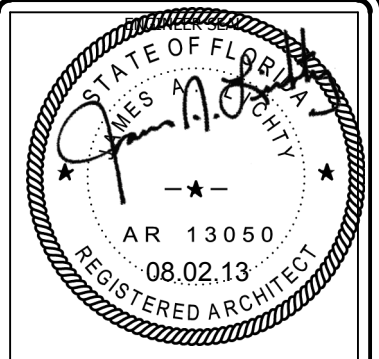
BLDG. A



SECTION T-T
SCALE 1:24



MESH LAYOUT
 BLDG A- WALL "C."
 (EXTERIOR VIEW)
 SCALE 1:42



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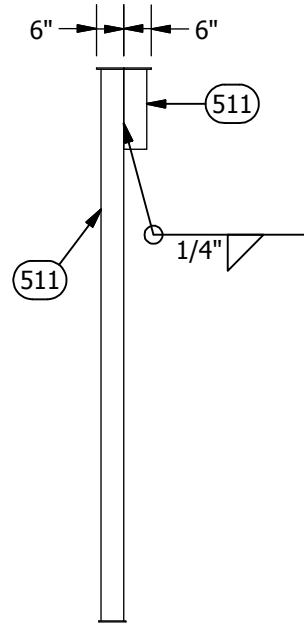
CUSTOMER:
ALLIED FIBER

PROJECT:
**CONCRETE SHELTER
 MESH LAYOUT
 BLDG A- WALL "C"**

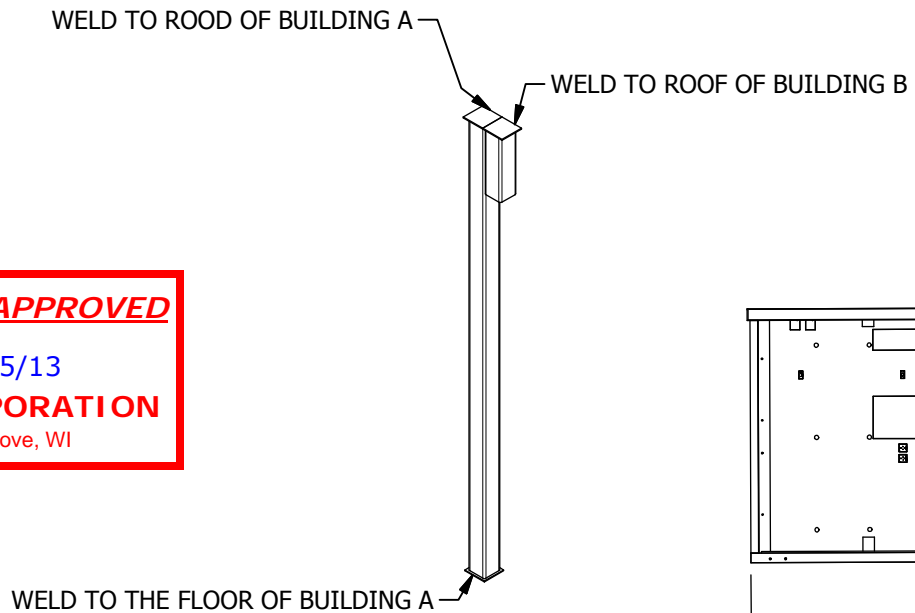
FILENAME: SALF01S.dwg	
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013
SHEET NO.:	

6 OF 22
 DRAWING NO.: **SALF01S** REV: **G**

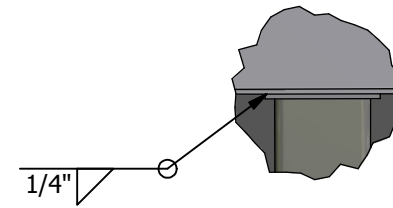
REV	BY	DATE	DESCRIPTION	APP BY
G	SN	07-25-13	ADDED NEW PARTS	MT
F	SN	07-15-13	ADDED SECTION VIEW	MT
E	VKA	07/12/13	ADDED SECTION VIEW	MT



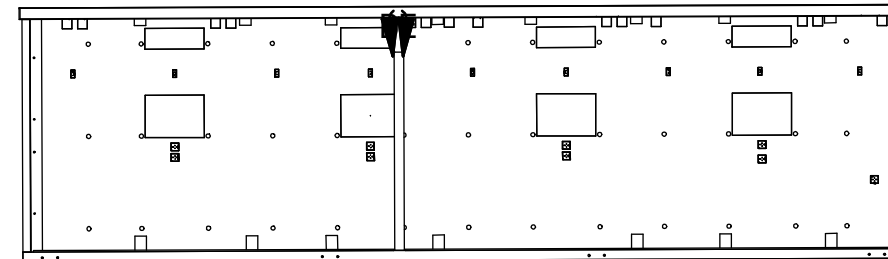
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SCALE 1:42



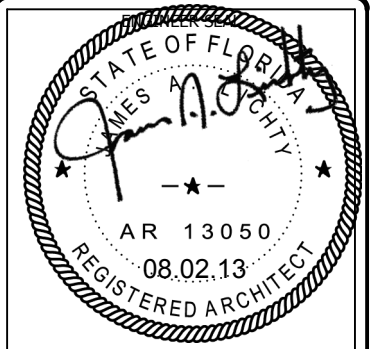
ISOMETRIC VIEW
SCALE 1:42



DETAIL BE
SCALE 1:10



FRONT VIEW
SCALE 1:100



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5031 Hazel Jones Road
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voice: 318-213-2900
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www.cellxion.com

CUSTOMER:

ALLIED FIBER

PROJECT:

CONCRETE SHELTER
CONCRETE SHELTER
POST LAYOUT
BLDG A

FILENAME:
SALF01S.dwg

DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013

SHEET NO.:

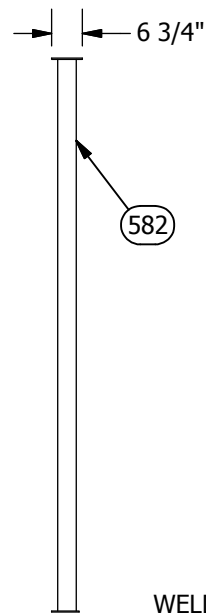
7 OF 22

DRAWING NO.:

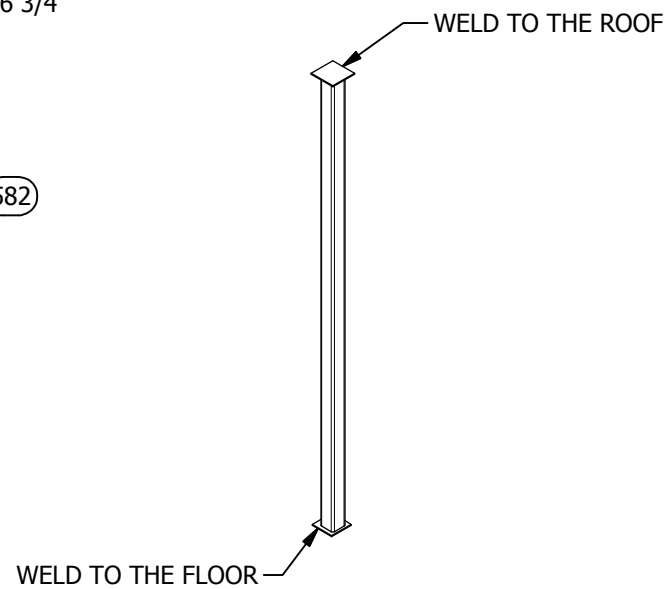
SALF01S

REV.:

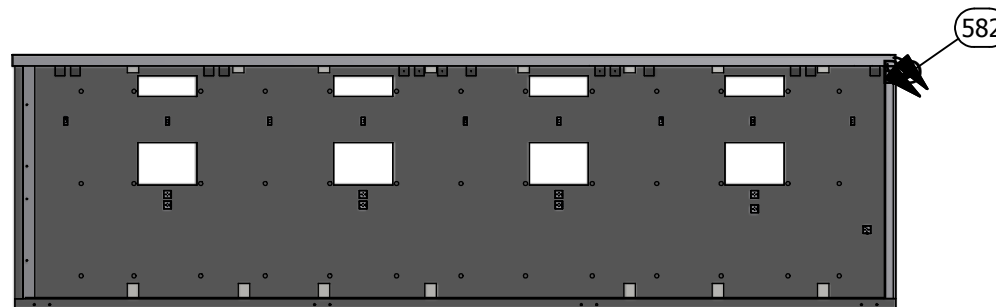
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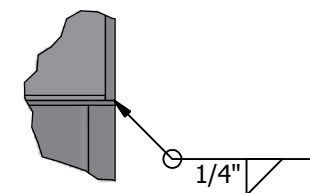
POST (4X4X.5)
SCALE 1:42



ISOMETRIC VIEW
SCALE 1:42



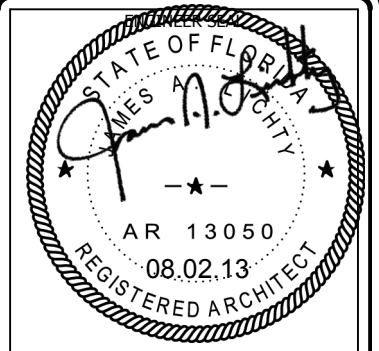
FRONT VIEW
SCALE 1:100



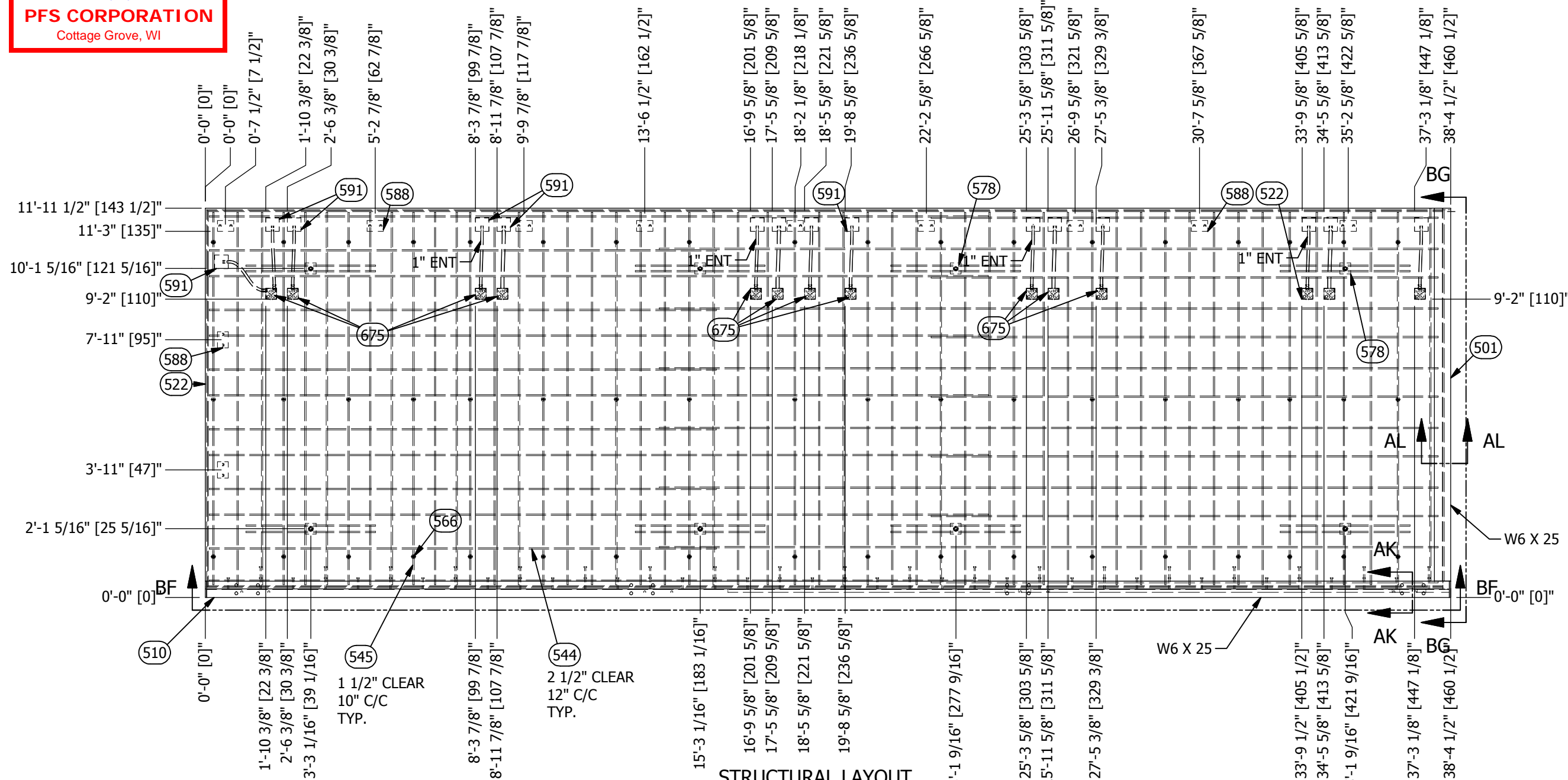
DETAIL BD
SCALE 1:10

SUB-PART LIST						SUB-PART LIST					
ITEM	P/N	DESCRIPTION	LENGT	WIDTH	DEPTH	ITEM	P/N	DESCRIPTION	LENGT	WIDTH	DEPTH
501	142062	I-BEAM, TAPERED, W6X25X143.5				573	146001	PLATE, 1/2", GRADE 36, RAW MATL	137.000 in	3.000 in	
510	221242	ROOF EMBED BEAM, TRIPLE WIDE, W6X15				578	220219-01	ROOF ANCHOR, LIFTING INSERT, 5 1/4"			
543	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	288.000 in			579	220219-06	ROOF ANCHOR, LIFTING INSERT, 5 1/4"			
544	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	187.500 in			588	223000	INSERT PLATE, ROOF TO 4" WALL, 2 STUD			
545	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	137.390 in			591	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	5.000 in	5.000 in	2.000 in
566	119010	REBAR CHAIR, PLASTIC, #4 W/ BASE 1"				609	410629	ADAPTER, BLU. FLEX ENT, 3/4", CARLON			
572	146001	PLATE, 1/2", GRADE 36, RAW MATL	2.880 in	3.480 in		671	410046	LOCKNUT, EMT, 3/4"			
						675	430005	BOX, JUNCT, 4"X4", 2-1/8D, 1/2"-3/4KO			
						679	146014	PLATE, 1", GRADE A36, RAW MATERIAL	266.750 in	4.500 in	

BLDG. A



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NOTES:
1. ALL ENT ARE 3/4" UNLESS NOTED.

**STRUCTURAL LAYOUT
BLDG A- ROOF
SCALE 1:42**

REV	BY	DATE	DESCRIPTION	APP BY
G	SN	07-25-13	MODIFIED TUBE AND PIPING	MT
F	SN	07-15-13	NO REVISION	MT
E	VAK	07/12/13	UPDATE PARTLIST AND BALLONS	MT

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CUSTOMER:
ALLIED FIBER

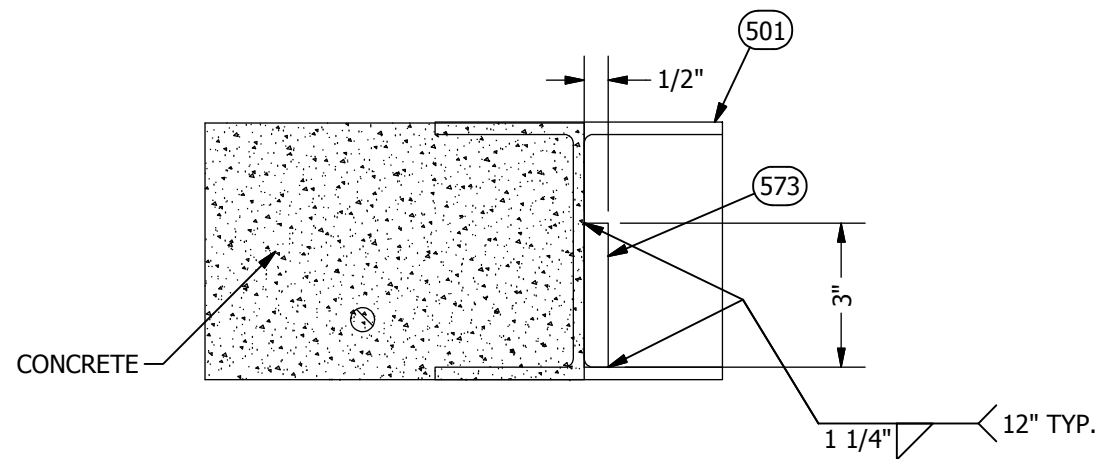
PROJECT:
**CONCRETE SHELTER
STRUCTURAL LAYOUT
BLDG A- ROOF "A"**

FILENAME: SALF01S.dwg	
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013

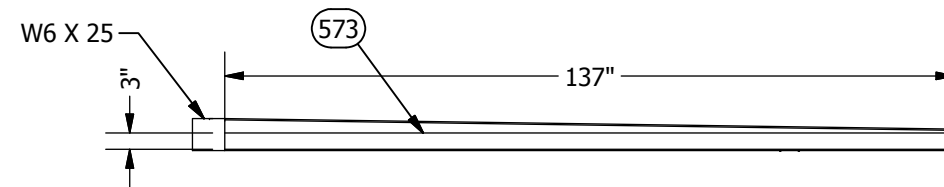
SHEET NO.:
8 OF 22

DRAWING NO.:
SALF01S

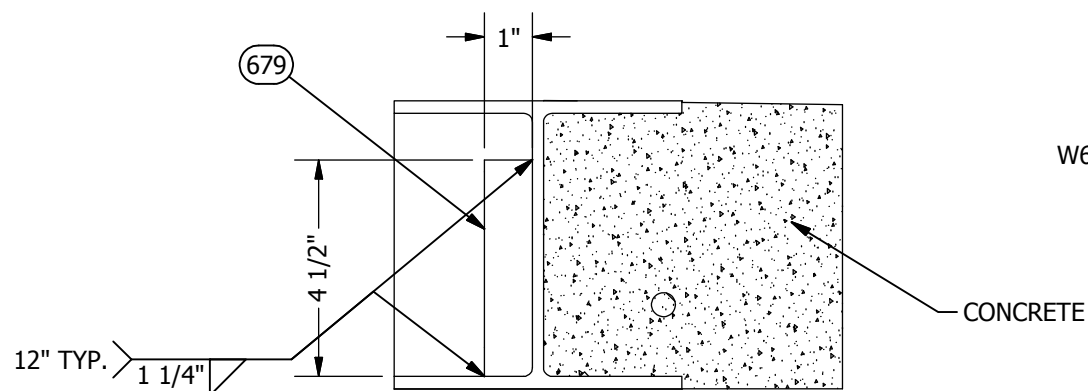
REV:
G



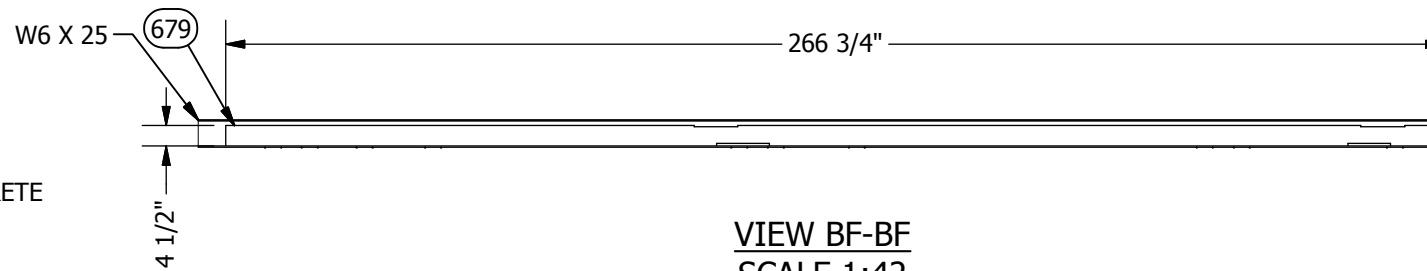
SECTION AL-AL
SCALE 1:4



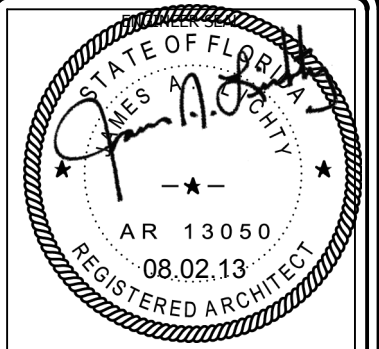
VIEW BG-BG
SCALE 1:36



SECTION AK-AK
SCALE 1:4



VIEW BF-BF
SCALE 1:42



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CUSTOMER:
ALLIED FIBER

PROJECT:
**CONCRETE SHELTER
CONCRETE SHELTER
STRUCTURAL LAYOUT
BLDG A ROO "A"**

FILENAME: SALF01S.dwg	
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013
SHEET NO.:	
9 OF 22	

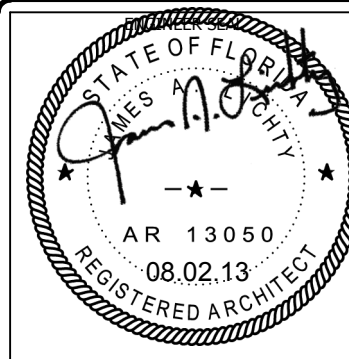
DRAWING NO.:
SALF01S

REV:
G

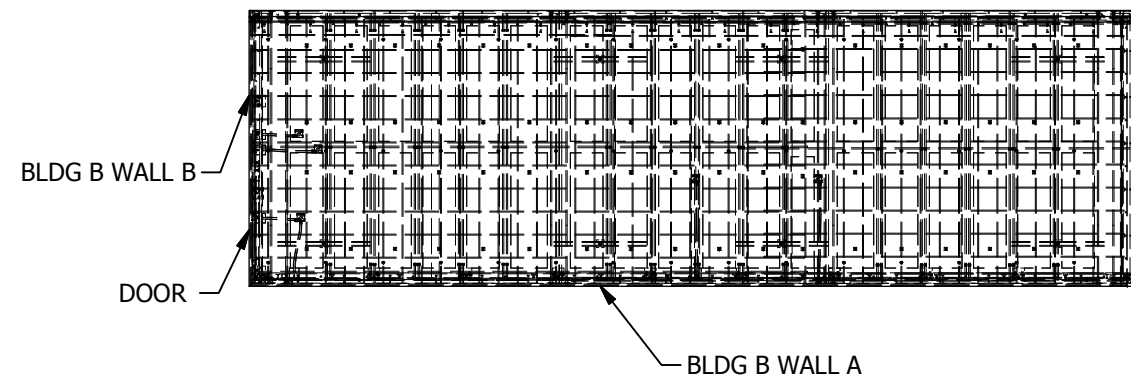
G	SN	07-25-13	ADDED THIS SHEET	MT
REV	BY	DATE	DESCRIPTION	APP BY

PART LIST					
ITEM	QTY	U/M	P/N	DEP	DESCRIPTION
501	2	Each	142062	10	I-BEAM, TAPERED, W6X25X143.5
510	2	Each	221242	10	ROOF EMBED BEAM, TRIPLE WIDE, W6X15
535, 536, 537, 541	8.205	EA.	110001	10	MESH, WIRE, 4X4, D4XD4, 8'X20'
543, 544, 545, 548, 549, 550, 551, 552, 553, 554, 555	3440.861	FT.	112502	10	REBAR, #4 (1/2") #13 METRIC, GRADE 60
560	32.333 ft	ft	112502-010	10	REBAR, #4, BENT, 90-DEG, 4'DOOR, LONG
566	99	Each	119010	10	REBAR CHAIR, PLASTIC, #4 W/ BASE 1"
567	95	EA.	119015	10	REBAR CHAIR, PLASTIC, #4, 1 1/2"
578	12	EA.	220219-01	10	ROOF ANCHOR, LIFTING INSERT, 5 1/4"
579	12	Each	220219-06	10	ROOF ANCHOR, LIFTING INSERT, 5 1/4"
580	10	EA.	221107	10	WALL EMBED ANGLE ASSY, 6"X4"X10'01"
581	4	Each	221108	10	WALL EMBED ANGLE ASSY, 5"X5"X10'01"
582	3	EA.	221396	30	SUPPORT POST ASSY, DBL WIDE, 121"
587	30	EA.	222000	10	INSERT ANGLE, WALL TO ROOF
588	38	EA.	223000	10	INSERT PLATE, ROOF TO 4" WALL, 2 STUD
589	31	EA.	223100	10	EMBED PLATE, WALL, 1/4"X6"X8"
591, 592	18.984	FBM	360151	10	INSULATION, EPS, FOAM, RAW MATL B-FOOT
609	64	EA.	410629	10	ADAPTER, BLU. FLEX ENT, 3/4", CARLON
611, 612, 613, 653, 654, 655	11.887	FT.	410632	10	CONDUIT, BLUE FLEX ENT, 3/4", CARLON
667	2	Each	501079	10	DOOR FRM, 3670, RHRB, REP, BR, 4
671	66	EA.	410046	30	LOCKNUT, EMT, 3/4"
673	9	EA.	430151	30	BOX, JUNCT, 2"X4", 2 1/8" DEEP
675	31	Each	430005	30	BOX, JUNCT, 4"X4", 2-1/8D, 1/2"-3/4KO

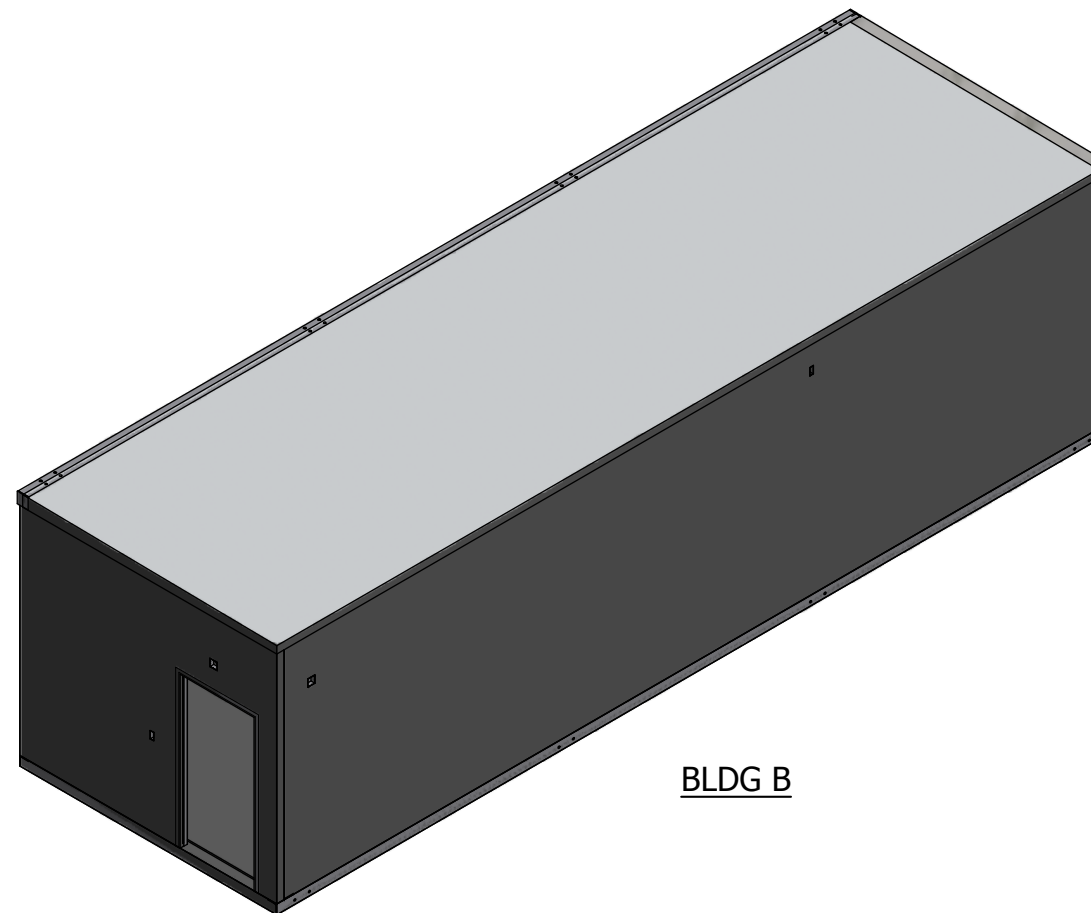
CUT LIST									
ITEM	QTY	U/M	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH		
535	5.408	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	96.000 in			
536	.481	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	47.000 in			
537	.415	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	114.000 in	83.875 in			
541	1.9	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	114.000 in	96.000 in			
543	912	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	288.000 in				
544	406.25	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	187.500 in				
545	1110.569	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	137.390 in				
548	69.5	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	139.000 in				
549	619.5	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	118.000 in				
550	84	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.000 in				
551	6.417	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	77.000 in				
552	20.75	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	83.000 in				
553	24	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	72.000 in				
554	6	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.000 in				
555	181.875	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	181.875 in				
560	32.333 ft	ft	112502-010	REBAR, #4, BENT, 90-DEG, 4'DOOR, LONG	97.000 in				
591	18.75	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	5.000 in	5.000 in	2.000 in		
592	.234	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	3.000 in	3.000 in	1.875 in		



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STRUCTURAL WALL LAYOUT
SCALE 1:100



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voice: 318-213-2900
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www.cellxion.com

CUSTOMER:
ALLIED FIBER

PROJECT:
**38'-5"X11'-11.5"
CONCRETE SHELTER
OVERVIEW OF BLDG B**

FILENAME: SALF01S.dwg	
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013

SHEET NO.:
10 OF 22

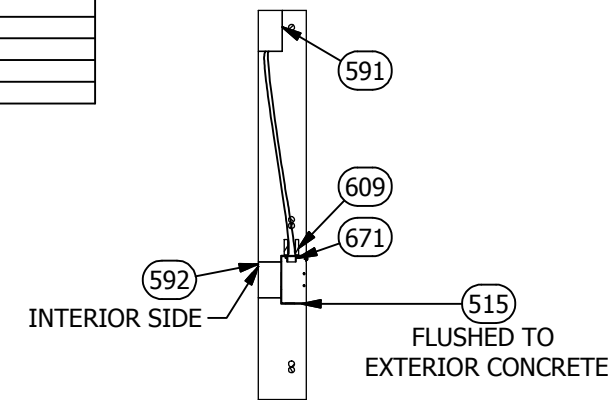
DRAWING NO.:
SALF01S

REV.:
G

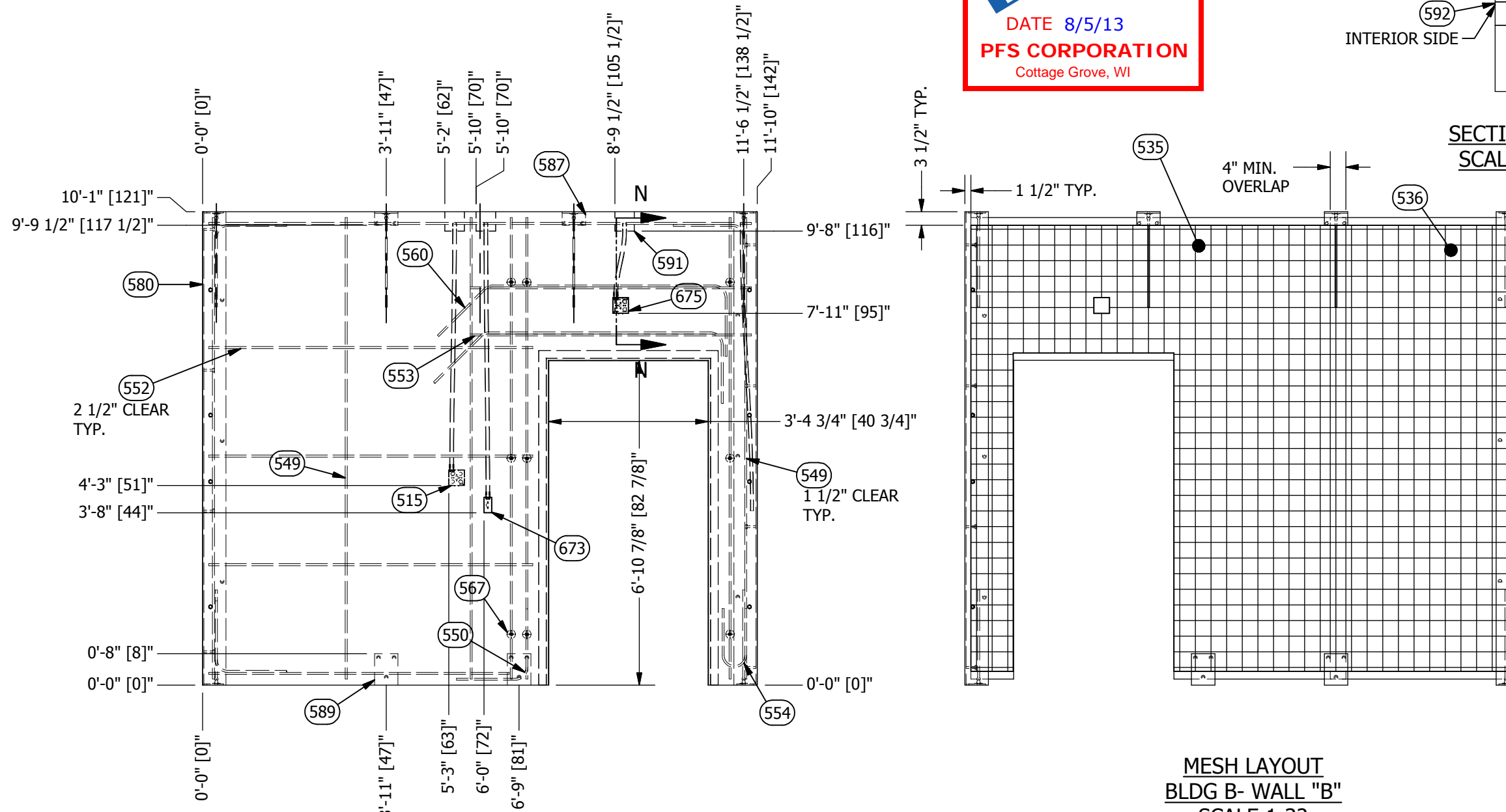
PART LIST					
ITEM	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH
527	10RH1110-01	SIDE WALL RAIL ANGLE, 20°-0" (PRODUCTION TOOL)			
528	10RH1110-02	CASTING BED TOP RAIL ANGLE 11°10"			
535	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	96.000 in	
536	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	47.000 in	
548	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	139.000 in		
549	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	118.000 in		
550	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.000 in		
551	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	77.000 in		
552	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	83.000 in		
553	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	72.000 in		
554	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.000 in		
560	112502-010	REBAR, #4, BENT, 90-DEG, 4'DOOR, LONG	97.000 in		

PART LIST					
ITEM	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH
567	119015	REBAR CHAIR, PLASTIC, #4, 1 1/2"			
580	221107	WALL EMBED ANGLE ASSY, 6"X4"X10'01"			
587	222000	INSERT ANGLE, WALL TO ROOF			
589	223100	EMBED PLATE, WALL, 1/4"X6"X8"			
591	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	5.000 in	5.000 in	2.000 in
592	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	3.000 in	3.000 in	1.875 in
609	410629	ADAPTER, BLU. FLEX ENT, 3/4", CARLON			
667	501079	DOOR FRM, 3670, RHRB, REP, BR, 4			
671	410046	LOCKNUT, EMT, 3/4"			
673	430151	BOX, JUNCT, 2"X4", 2 1/8" DEEP			
675	430005	BOX, JUNCT, 4"X4", 2-1/8D, 1/2"-3/4KO			

BLDG. B

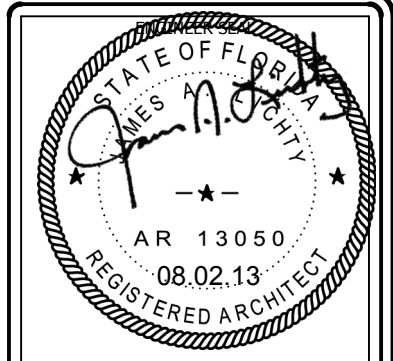


SECTION N-N
SCALE 1:16



STRUCTURAL LAYOUT
BLDG B- WALL "B"
SCALE 1:32

MESH LAYOUT
BLDG B- WALL "B"
SCALE 1:32



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voice: 318-213-2900
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www.cellxion.com

CUSTOMER:
ALLIED FIBER

PROJECT:
**CONCRETE SHELTER
STRUCTURAL LAYOUT
BLDG B- WALL "B"**

FILENAME: SALF01S.dwg	
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013

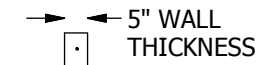
SHEET NO.:
11 OF 22

DRAWING NO.:
SALF01S

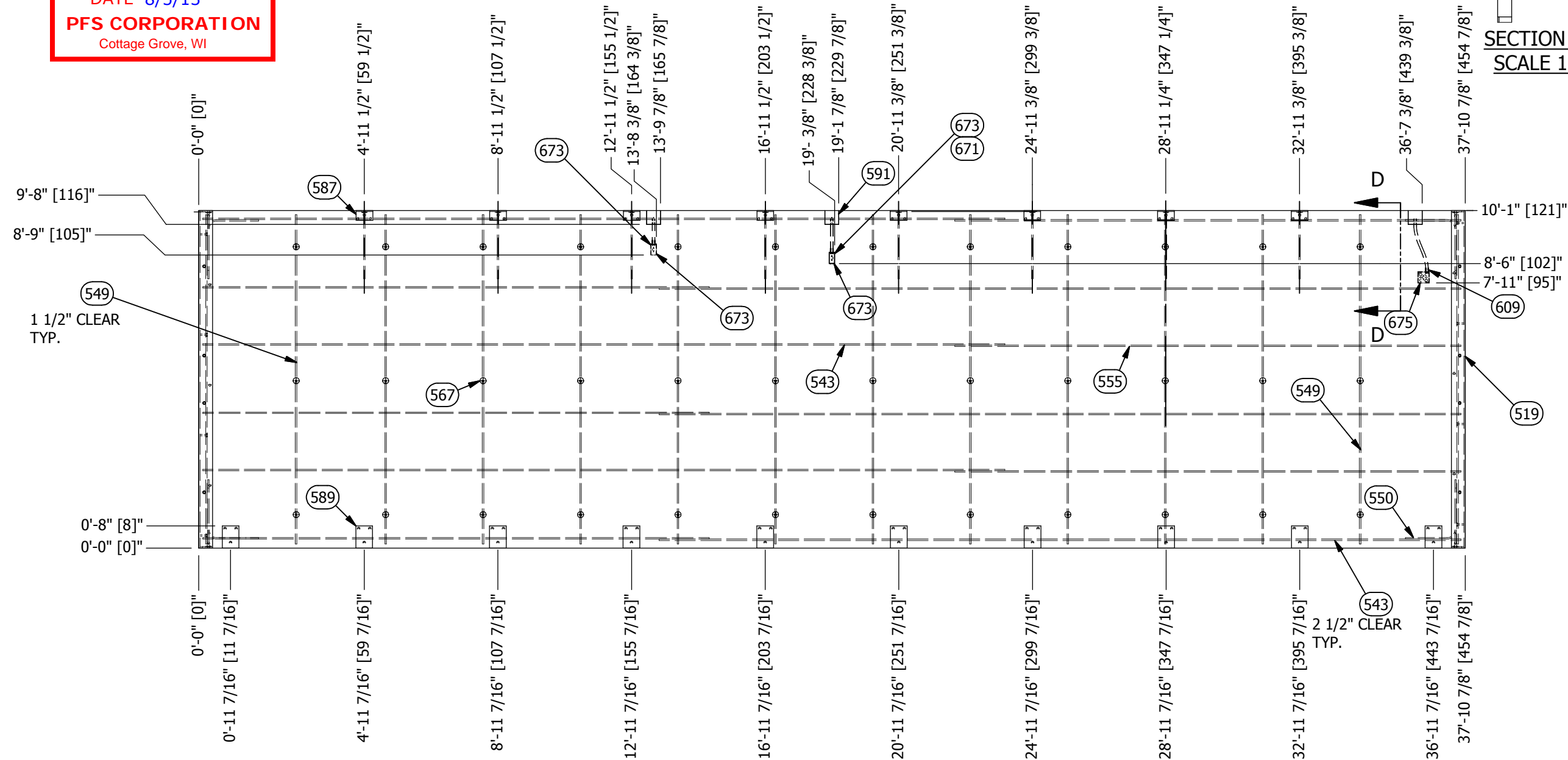
REV.:
G

PART LIST						PART LIST					
ITEM	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH	ITEM	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH
533	10RH3711-03	SIDE WALL TOP RAIL ANGLE, 37"11"				581	221108	WALL EMBED ANGLE ASSY, 5"X5"X10'01"			
534	10RH3711-04	SIDE WALL BOTTOM RAIL ANGLE, 37"11"				589	223100	EMBED PLATE, WALL, 1/4"X6"X8"			
537	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	114.000 in	83.875 in		591	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	5.000 in	5.000 in	2.000 in
541	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	114.000 in	96.000 in		609	410629	ADAPTER, BLU. FLEX ENT, 3/4", CARLON			
543	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	288.000 in			671	410046	LOCKNUT, EMT, 3/4"			
549	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	118.000 in			673	430151	BOX, JUNCT, 2"X4", 2 1/8" DEEP			
550	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.000 in			675	430005	BOX, JUNCT, 4"X4", 2-1/8D, 1/2"-3/4KO			
555	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	181.875 in								
567	119015	REBAR CHAIR, PLASTIC, #4, 1 1/2"									

BLDG. B



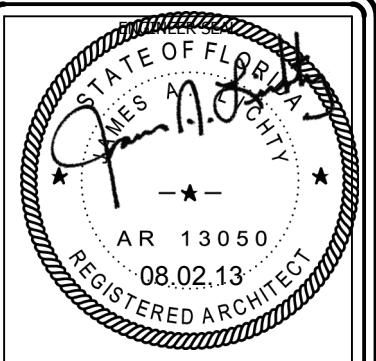
SECTION D-D
SCALE 1:42



STRUCTURAL LAYOUT
BLDG B- WALL "A"
SCALE 1:42

NOTE: FORMLINER: CAST FACE DOWN - THIS WALL ONLY

NOTES:
ALL ENT ARE 3/4" UNLESS NOTED.



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CUSTOMER:
ALLIED FIBER

PROJECT:
**CONCRETE SHELTER
STRUCTURAL LAYOUT
BLDG B- WALL "A"**

FILENAME: SALF01S.dwg	
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013

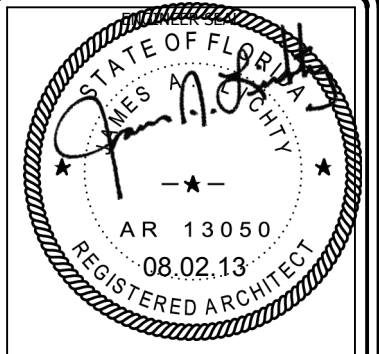
SHEET NO.:
12 OF 22

DRAWING NO.:
SALF01S

REV:
G

PART LIST					
ITEM	P/N	DESCRIPTION	LENGHT	WIDTH	DEPTH
537	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	114.000 in	83.875 in	
541	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	114.000 in	96.000 in	

BLDG. B



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 A Division of Sabre Industries, Inc.
 5031 Hazel Jones Road
 Bossier City, LA 71111
 voice: 318-213-2900
 fax: 318-213-2919
 www.cellxion.com

CUSTOMER:
ALLIED FIBER

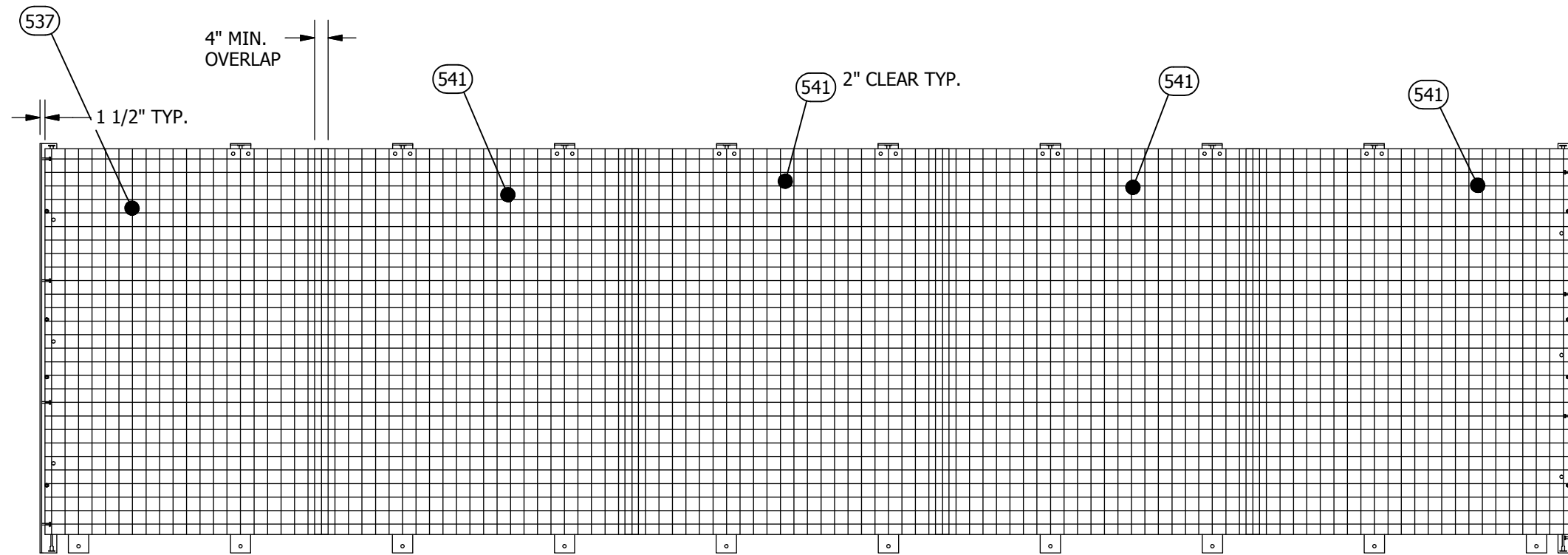
PROJECT:
**CONCRETE SHELTER
 MESH LAYOUT
 BLDG B- WALL "A"**

FILENAME: SALF01S.dwg	
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013

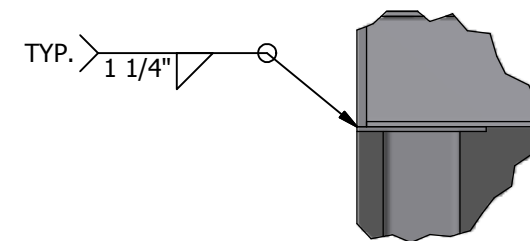
SHEET NO.:
13 OF 22

DRAWING NO.:
SALF01S

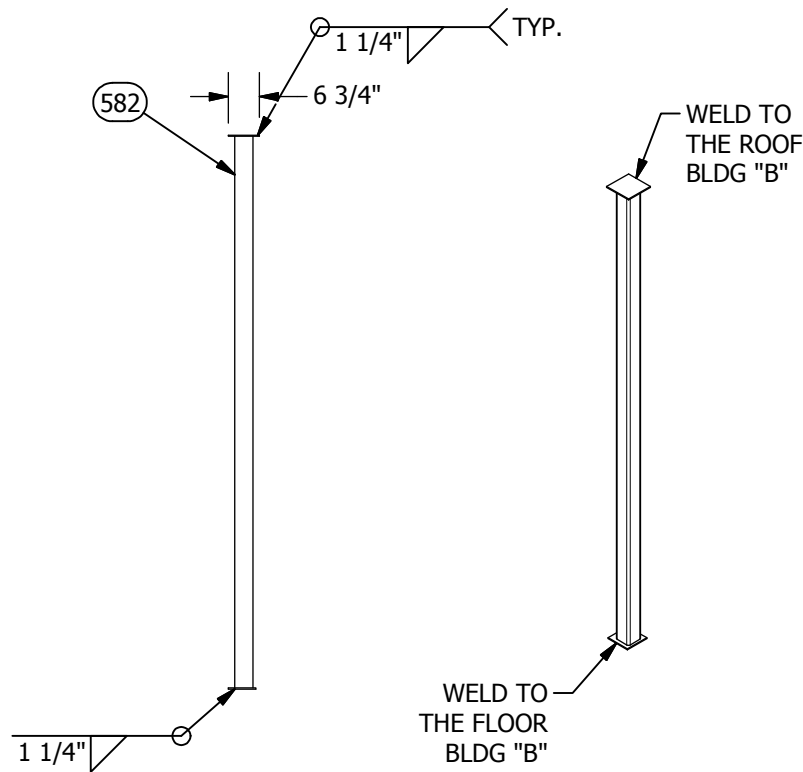
REV.:
G



MESH LAYOUT
 BLDG B- WALL "A"
 SCALE 1:42

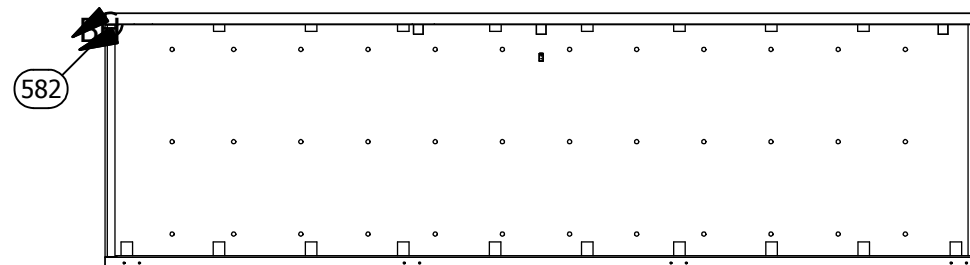


DETAIL BH
 SCALE 1:10



POST (4X4X.5)
 SCALE 1:42

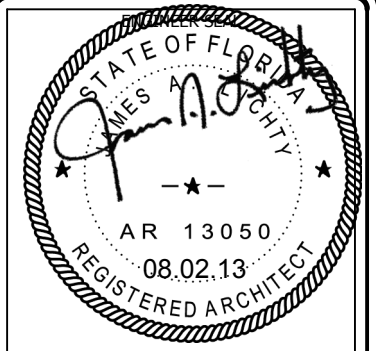
ISOMETRIC VIEW
 SCALE 1:42



FRONT VIEW
 SCALE 1:100

PART LIST						PART LIST					
ITEM	P/N	DESCRIPTION	LENGTH	WIDHT	DEPTH	ITEM	P/N	DESCRIPTION	LENGTH	WIDHT	DEPTH
501	142062	I-BEAM, TAPERED, W6X25X143.5				573	146001	PLATE, 1/2", GRADE 36, RAW MATL	137.000 in	3.000 in	
510	221242	ROOF EMBED BEAM, TRIPLE WIDE, W6X15				578	220219-01	ROOF ANCHOR, LIFTING INSERT, 5 1/4"			
522	100052-003	CONCRETE, 1 CUBIC YARD BATCH, ROOF				579	220219-06	ROOF ANCHOR, LIFTING INSERT, 5 1/4"			
543	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	288.000 in			588	223000	INSERT PLATE, ROOF TO 4" WALL, 2 STUD			
544	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	187.500 in			591	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	5.000 in	5.000 in	2.000 in
545	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	137.390 in			609	410629	ADAPTER, BLU, FLEX ENT, 3/4", CARLON			
566	119010	REBAR CHAIR, PLASTIC, #4 W/ BASE 1"				671	410046	LOCKNUT, EMT, 3/4"			
572	146001	PLATE, 1/2", GRADE 36, RAW MATL	2.880 in	3.480 in		675	430005	BOX, JUNCT, 4"X4", 2-1/8D, 1/2"-3/4KO			
						679	146014	PLATE, 1", GRADE A36, RAW MATERIAL	266.750 in	4.500 in	

BLDG. B



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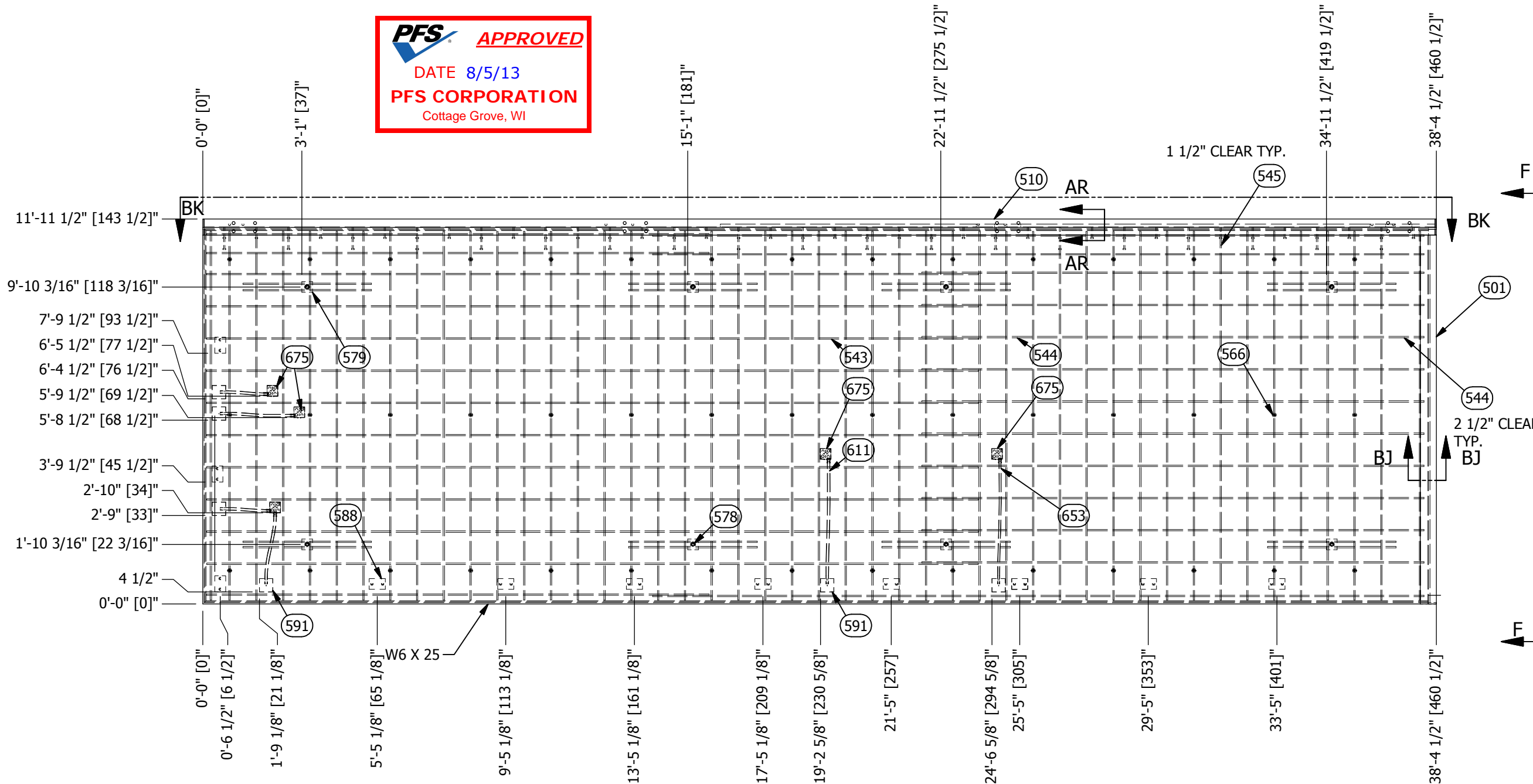
CUSTOMER:
ALLIED FIBER

PROJECT:
**CONCRETE SHELTER
STRUCTURAL LAYOUT
BLDG B- ROOF "B"**

FILENAME: SALF01S.dwg	
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013

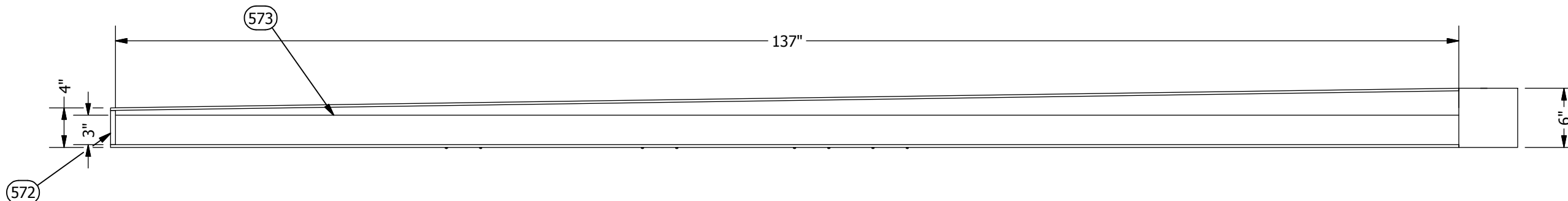
SHEET NO.:
14 OF 22

DRAWING NO.:	REV:
SALF01S	G

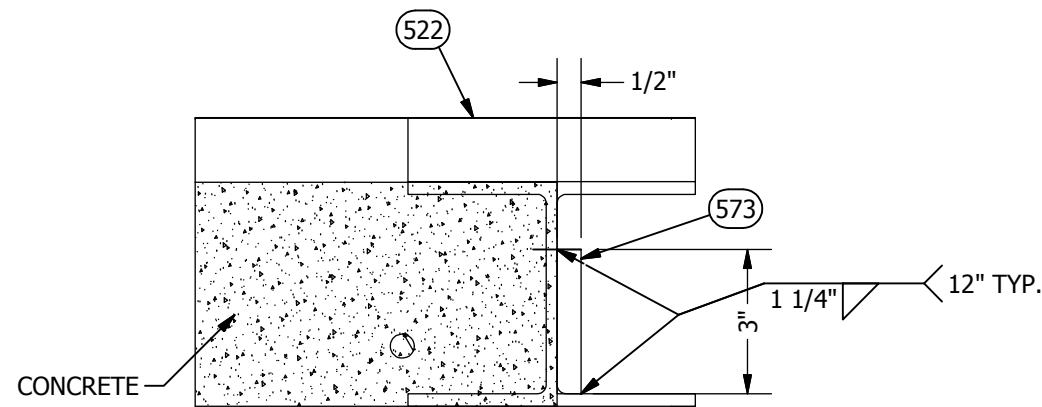


NOTES:
ALL ENT ARE 3/4" UNLESS NOTED.

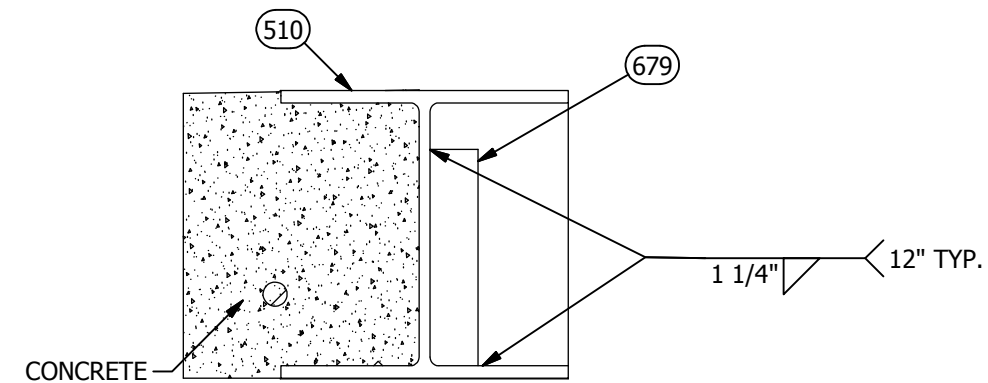
**STRUCTURAL LAYOUT
BLDG B- ROOF
SCALE 1:42**



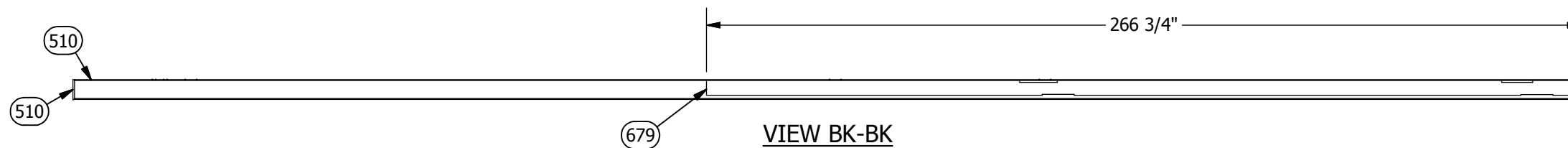
VIEW F-F
SCALE 1:12



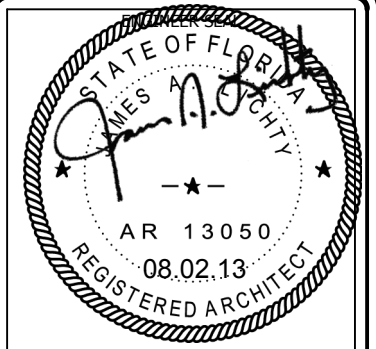
SECTION BJ-BJ
SCALE 1:4



SECTION AR-AR
SCALE 1:4



VIEW BK-BK
SCALE 1:42



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CUSTOMER:
ALLIED FIBER

PROJECT:
**CONCRETE SHELTER
CONCRETE SHELTER
STRUCTURAL LAYOUT
BLDG B- ROOF "B"**

FILENAME: SALF01S.dwg	
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013

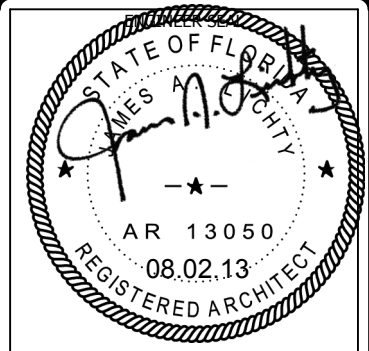
SHEET NO.:
15 OF 22

DRAWING NO.:
SALF01S

REV:
G

PART LIST				
ITEM	QTY	U/M	P/N	DESCRIPTION
506, 507	4	FT	170005	PIPE, PVC, SCH 40, 3"
523	1	Each	10RH1107-01	SIDE WALL RAIL ANGLE, 20'-0" (PRODUCTION TOOL)
524	1	Each	10RH1107-02	SIDE WALL RAIL ANGLE, 20'-0" (PRODUCTION TOOL)
529	1	Each	10RH2308-01	SIDE WALL TOP RAIL ANGLE, 23'08"
530	1	Each	10RH2308-02	SIDE WALL BOTTOM RAIL ANGLE, 23'08"
535, 538, 539, 540	7.59	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'
546, 547, 549, 550, 553, 554, 556, 557, 558, 559	1694.599	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60
560	32.333 ft	ft	112502-010	REBAR, #4, BENT, 90-DEG, 4'DOOR, LONG
561, 562, 563, 564	669.25	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60
567	95	EA.	119015	REBAR CHAIR, PLASTIC, #4, 1 1/2"
568	129	Each	119016	REBAR CHAIR, PLASTIC, #6, 3/4"
569	27	Each	119022	REBAR CHAIR, PLASTIC, MESH W/BASE 4"
574	94	EA.	164508	NUT, 3/4-10, HH, A325, GALV
575	146	Each	168213	BOLT, 3/4"X2", A325
576	94	Each	168549	WASHER, 3/4", ASTM F436, HARDENED
570, 571	128.418	LBS.	146001	PLATE, 1/2", GRADE 36, RAW MATL
578	12	EA.	220219-01	ROOF ANCHOR, LIFTING INSERT, 5 1/4"
579	12	Each	220219-06	ROOF ANCHOR, LIFTING INSERT, 5 1/4"
580	10	EA.	221107	WALL EMBED ANGLE ASSY, 6"X4"X10'01"
581	4	Each	221108	WALL EMBED ANGLE ASSY, 5"X5"X10'01"
582	3	EA.	221396	SUPPORT POST ASSY, DBL WIDE, 121"
583	17	EA.	221751	BRACING ANGLE, L6"X4"X3/8", 1'2"
584	5	EA.	221752	BRACING ANGLE, L6"X4"X3/8", 8"
587	30	EA.	222000	INSERT ANGLE, WALL TO ROOF
588	38	EA.	223000	INSERT PLATE, ROOF TO 4" WALL, 2 STUD
589	31	EA.	223100	EMBED PLATE, WALL, 1/4"X6"X8"
591, 592, 593, 594, 597	57.474	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT
609	64	EA.	410629	ADAPTER, BLU. FLEX ENT, 3/4", CARLON
610, 614, 615, 616, 617, 618	3.87	FT.	410632	CONDUIT, BLUE FLEX ENT, 3/4", CARLON
665	10	EA.	410637	ADAPTER, BLU. FLEX ENT, 1", CARLON
666	1	EA.	221392	BRACING SPPRT ASSY, DBL WIDE, 137.1
667	2	Each	501079	DOOR FRM, 3670, RHRB, REP, BR, 4
668	1	EA.	221393	BRACING SPPRT ASSY, DBL WIDE, 136.0
669	1	EA.	221394	BRACING SPPRT ASSY, DBL WIDE, 138.75
671	66	EA.	410046	LOCKNUT, EMT, 3/4"
672	10	Each	410047	LOCKNUT, EMT, 1"
673	9	EA.	430151	BOX, JUNCT, 2"X4", 2 1/8" DEEP
675	31	Each	430005	BOX, JUNCT, 4"X4", 2-1/8D, 1/2"-3/4KO
677	6	EA.	220232	LIFTING LUG, 6"X12"X3/4", RH-LIFT
678	6	EA.	220233	LIFTING LUG, 6"X12"X3/4", LH-LIFT

CUT LIST							
ITEM	QTY	U/M	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH
506	2.00000 ft	FT	170005	PIPE, PVC, SCH 40, 3"	8.0000 in		
507	2.00000 ft	FT	170005	PIPE, PVC, SCH 40, 3"	6.0000 in		
535	5.408	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.0000 in	96.000 in	
538	.449	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.0000 in	43.875 in	
539	1.167	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	140.0000 in	96.000 in	
540	.565	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	140.0000 in	93.000 in	
546	331.333	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	284.0000 in		
547	334.443	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	138.3900 in		
549	619.5	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	118.0000 in		
550	84	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.0000 in		
553	24	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	72.0000 in		
554	6	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.0000 in		
556	101.906	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	135.8750 in		
557	20	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	80.0000 in		
558	163.917	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	281.0000 in		
559	9.5	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	114.0000 in		
560	32.333 ft	ft	112502-010	REBAR, #4, BENT, 90-DEG, 4'DOOR, LONG	97.0000 in		
561	548.333	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	140.0000 in		
562	4	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	16.0000 in		
563	46.667	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	112.0000 in		
564	70.25	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	281.0000 in		
570	6.806	LBS.	146001	PLATE, 1/2", GRADE 36, RAW MATL	6.0000 in	4.000 in	
571	121.611	LBS.	146001	PLATE, 1/2", GRADE 36, RAW MATL	285.8750 in	3.000 in	
591	18.75	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	5.0000 in	5.000 in	2.000 in
592	.234	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	3.0000 in	3.000 in	1.875 in
593	8.625	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	12.0000 in	18.000 in	5.750 in
594	11.5	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	16.0000 in	18.000 in	5.750 in
597	18.365	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	30.7500 in	10.750 in	4.000 in



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CUSTOMER:
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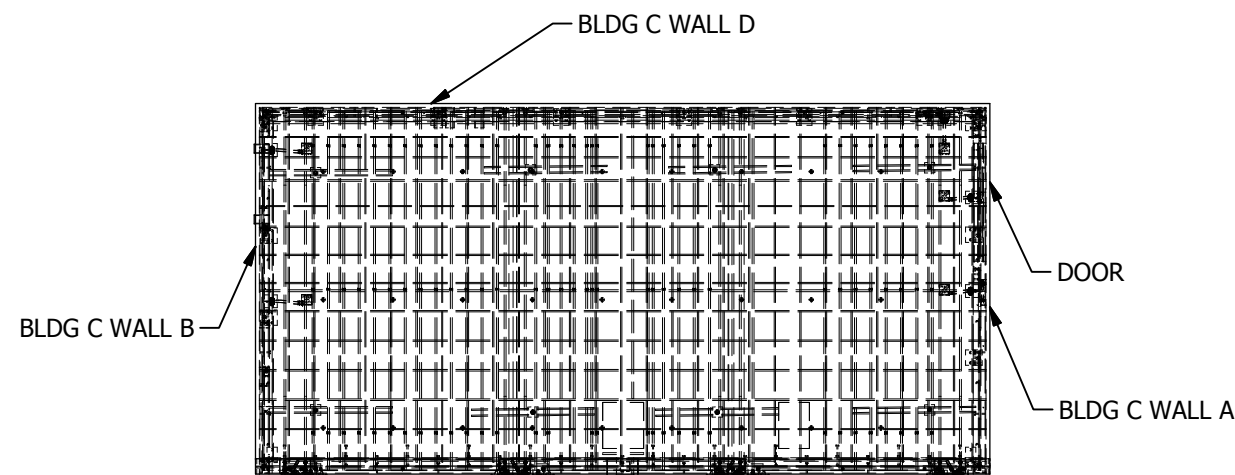
PROJECT:
**12'-1/2"X23'-11"
CONCRETE SHELTER
OVERVIEW OF BLDG C**

FILENAME: SALF01S.dwg	DATE: 7/3/2013
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013

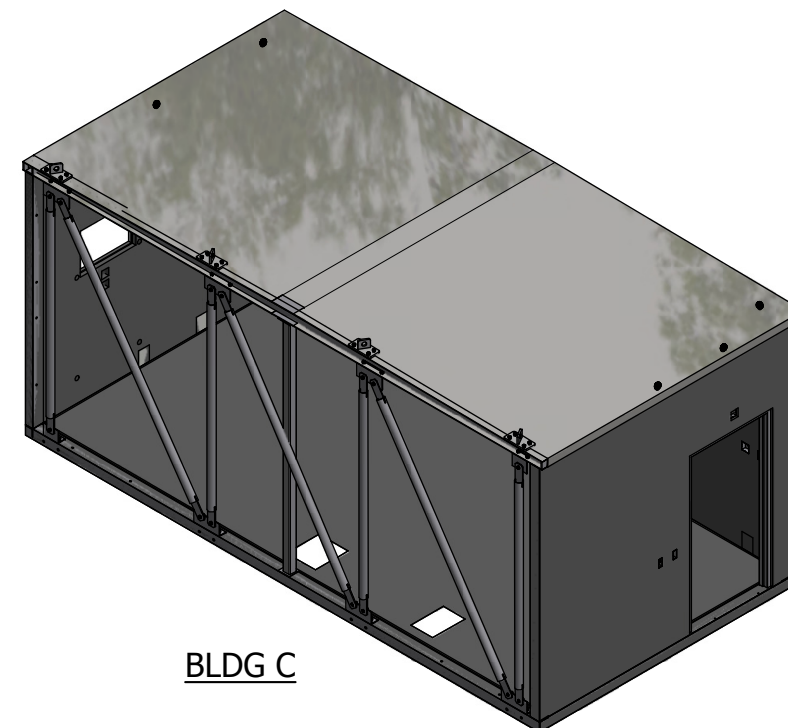
SHEET NO.:
16 OF 22

DRAWING NO.:
SALF01S

REV:
G



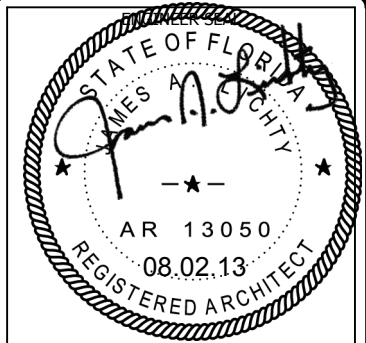
STRUCTURAL LAYOUT
SCALE 1:75



PART LIST					
ITEM	P/N	DESCRIPTION	LENGT	WIDTH	DEPTH
535	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	96.000 in	
538	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	43.875 in	
549	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	118.000 in		
550	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.000 in		
553	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	72.000 in		
554	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.000 in		
556	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	135.875 in		
557	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	80.000 in		
559	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	114.000 in		
560	112502-010	REBAR, #4, BENT, 90-DEG, 4'DOOR, LONG	97.000 in		
567	119015	REBAR CHAIR, PLASTIC, #4, 1 1/2"			

PART LIST					
ITEM	P/N	DESCRIPTION	LENGT	WIDTH	DEPTH
581	221108	WALL EMBED ANGLE ASSY, 5"X5"X10'01"			
587	222000	INSERT ANGLE, WALL TO ROOF			
589	223100	EMBED PLATE, WALL, 1/4"X6"X8"			
591	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	5.000 in	5.000 in	2.000 in
592	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	3.000 in	3.000 in	1.875 in
609	410629	ADAPTER, BLU. FLEX ENT, 3/4", CARLON			
667	501079	DOOR FRM, 3670, RHRB, REP, BR, 4			
671	410046	LOCKNUT, EMT, 3/4"			
673	430151	BOX, JUNCT, 2"X4", 2 1/8" DEEP			
675	430005	BOX, JUNCT, 4"X4", 2-1/8D, 1/2"-3/4KO			

BLDG. C



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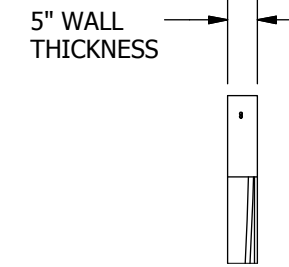
Cellxion
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voice: 318-213-2900
fax: 318-213-2919
www.cellxion.com

CUSTOMER:
ALLIED FIBER

PROJECT:
**CONCRETE SHELTER
STRUCTURAL LAYOUT
BLDG C- WALL "A"**

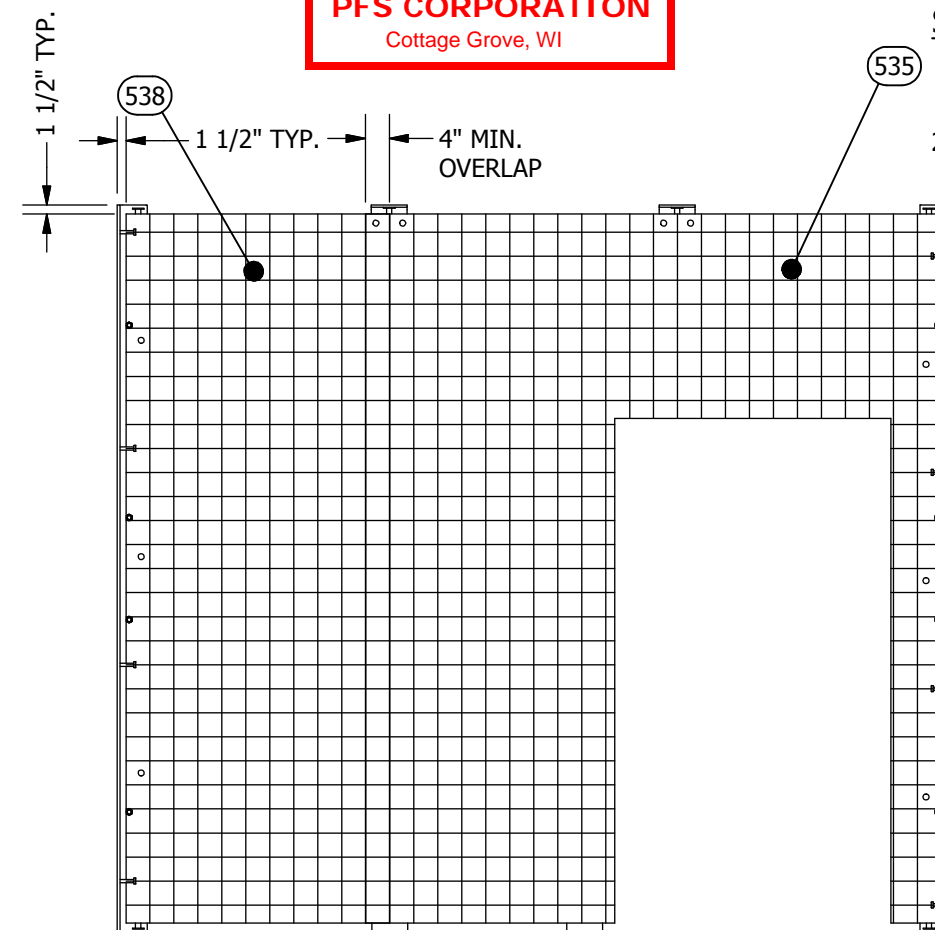
FILENAME: SALF01S.dwg	DATE:
DESIGN BY: SWAMY.N	7/3/2013
DRAWN BY: V.ACHANTA	6/30/2013
CHECKED BY: J.ASHLEY	6/30/2013
ENGINEERED BY: M.TAYLOR	6/30/2013
APPROVED BY: M.TAYLOR	6/30/2013

SHEET NO.:	17 OF 22
DRAWING NO.:	SALF01S
REV:	G

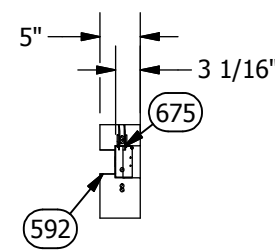


SECTION G-G
SCALE 1:32

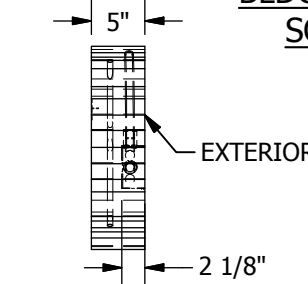
2" CLEAR TYP.



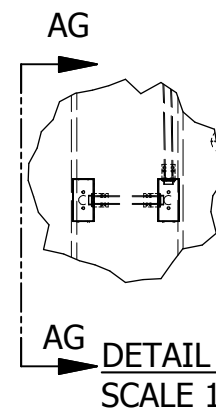
MESH LAYOUT
BLDG C-WALL "A"
SCALE 1:32



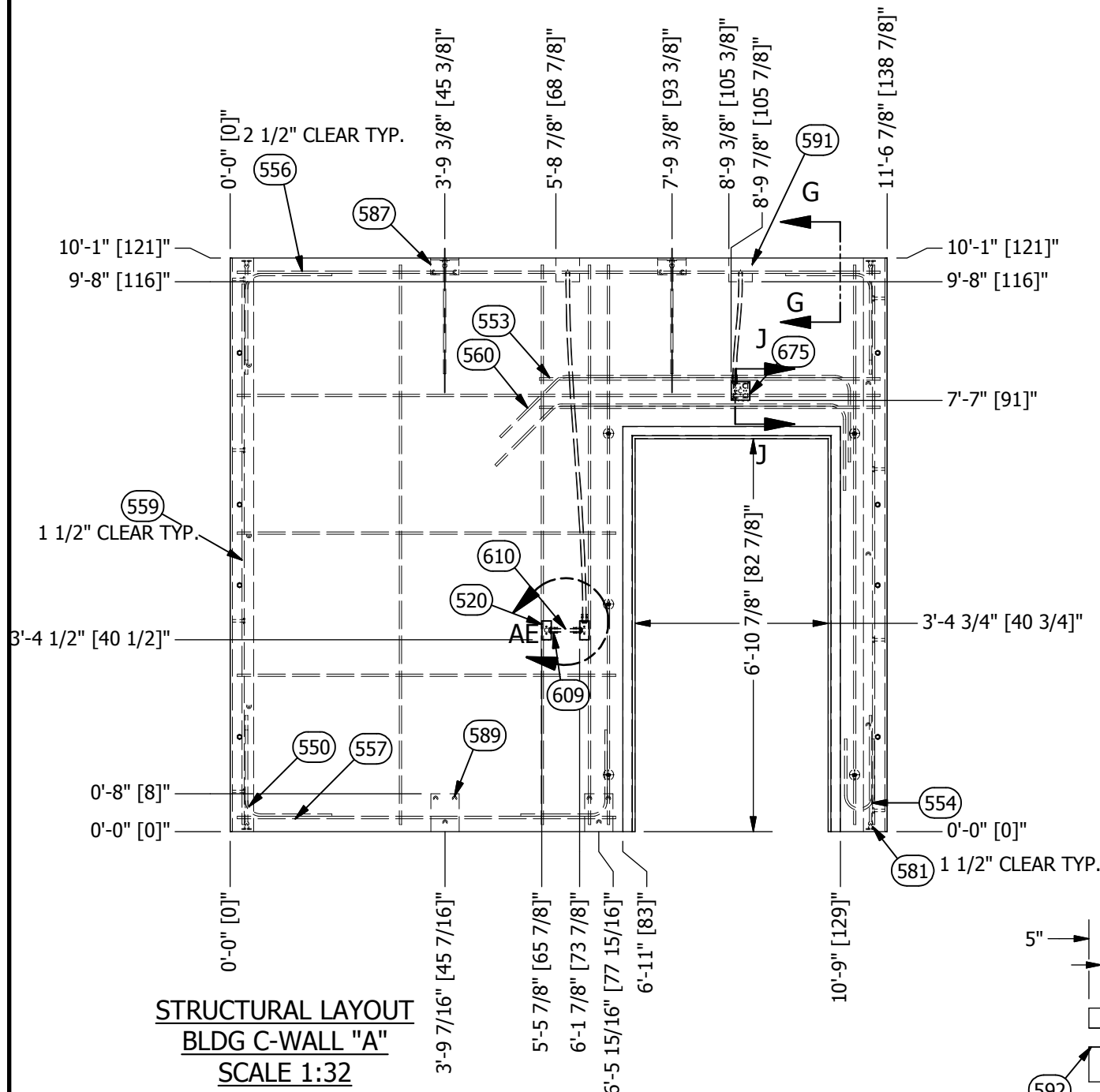
SECTION J-J
SCALE 1:24



VIEW AG-AG
SCALE 1:18



DETAIL AE
SCALE 1:18

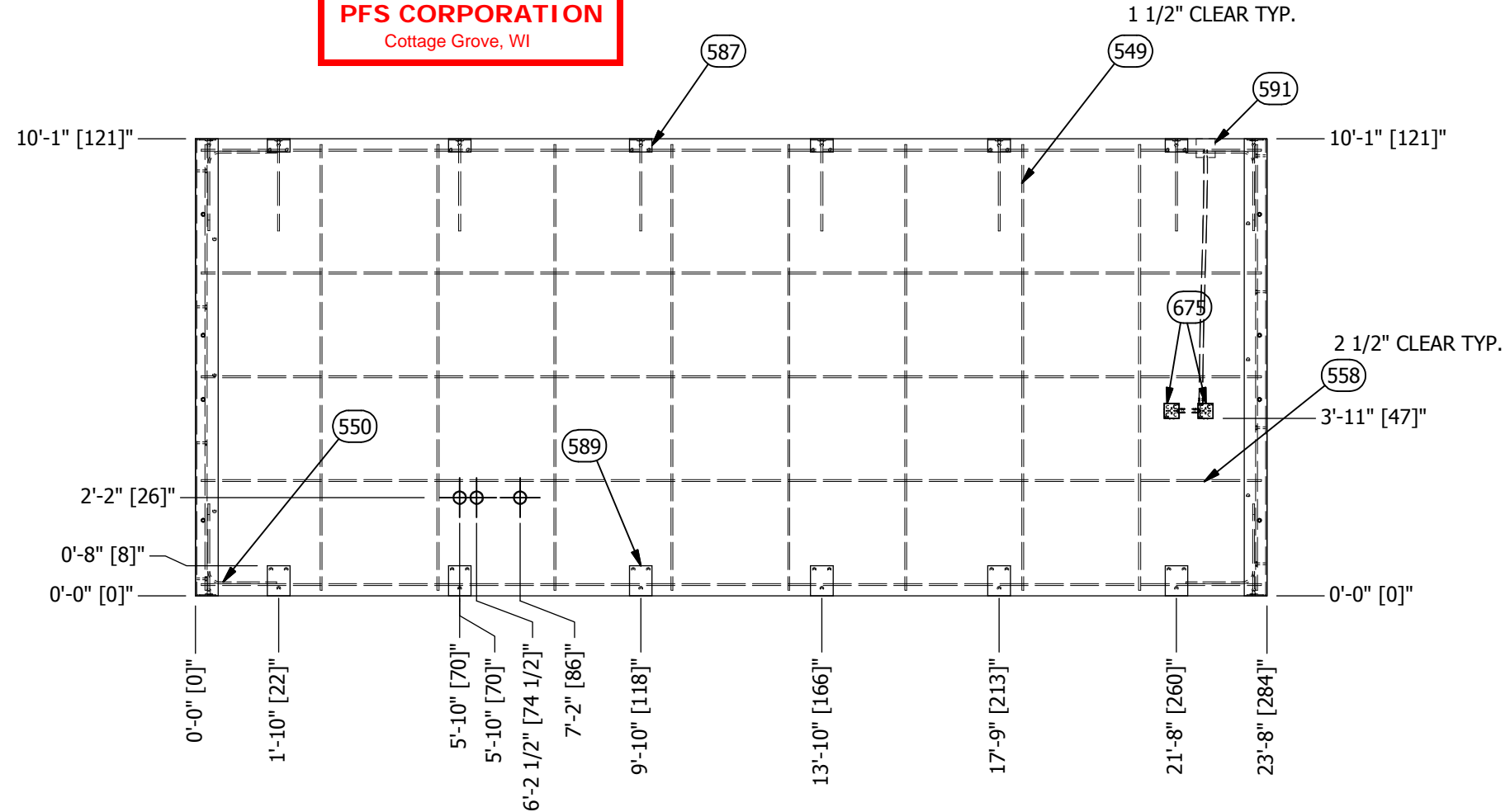
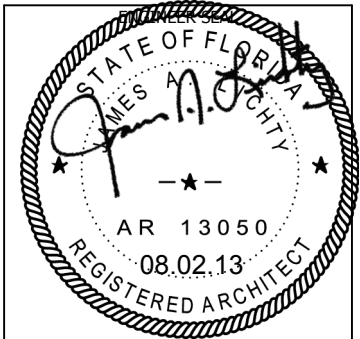


STRUCTURAL LAYOUT
BLDG C-WALL "A"
SCALE 1:32

G	SN	07-15-13	ADDED DETAIL VIEW	MT
REV	BY	DATE	DESCRIPTION	APP BY

PART LIST						PART LIST					
ITEM	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH	ITEM	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH
506	170005	PIPE, PVC, SCH 40, 3"	8.000 in			587	222000	INSERT ANGLE, WALL TO ROOF			
535	110001	MESH, WIRE, #X4, D4XD4, 8'X20'	118.000 in	96.000 in		589	223100	EMBED PLATE, WALL, 1/4"X6"X8"			
549	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	118.000 in			591	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	5.000 in	5.000 in	2.000 in
550	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.000 in			609	410629	ADAPTER, BLU. FLEX ENT, 3/4", CARLON			
558	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	281.000 in			671	410046	LOCKNUT, EMT, 3/4"			
580	221107	WALL EMBED ANGLE ASSY, 6"X4"X10'01"				675	430005	BOX, JUNCT, 4"X4", 2-1/8D, 1/2"-3/4KO			

BLDG. C



**STRUCTURAL LAYOUT
BLDG C-WALL "D"
SCALE 1:42**

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A Division of Sabre Industries, Inc.
5031 Hazel Jones Road
Bossier City, LA 71111
voice: 318-213-2900
fax: 318-213-2919
www.cellxion.com

CUSTOMER:
ALLIED FIBER

PROJECT:
**CONCRETE SHELTER
STRUCTURAL LAYOUT
BLDG C- WALL "D"**

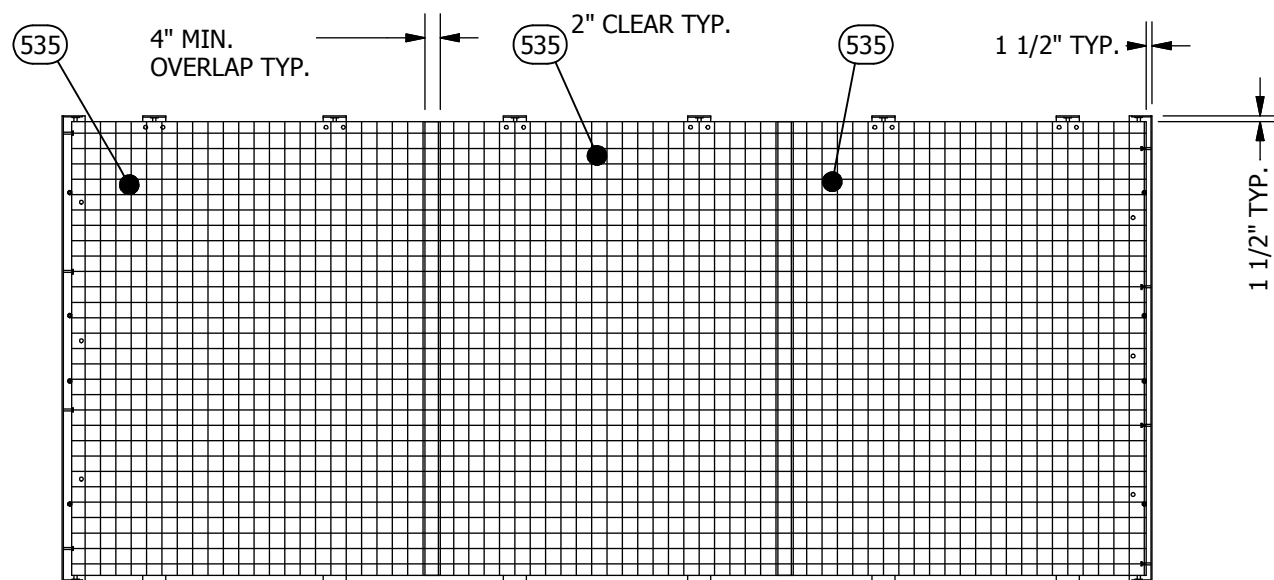
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DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013

SHEET NO.:
18 OF 22

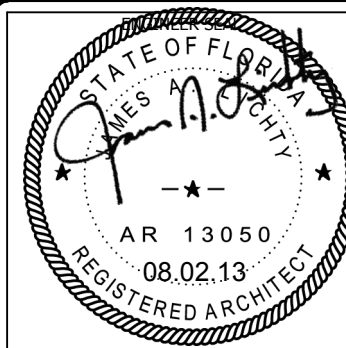
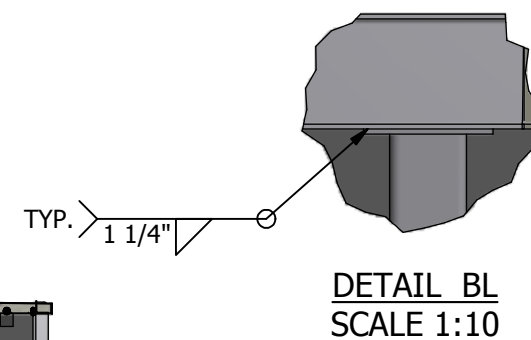
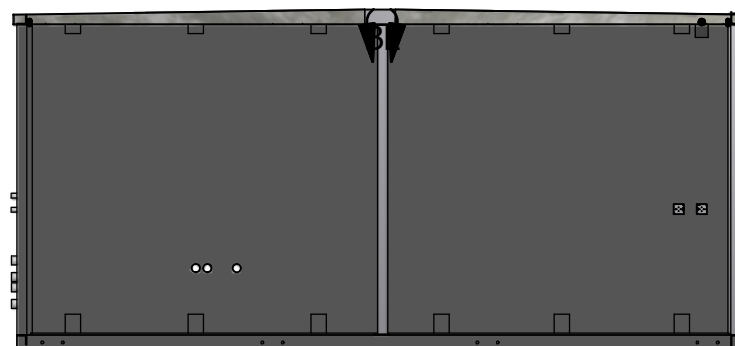
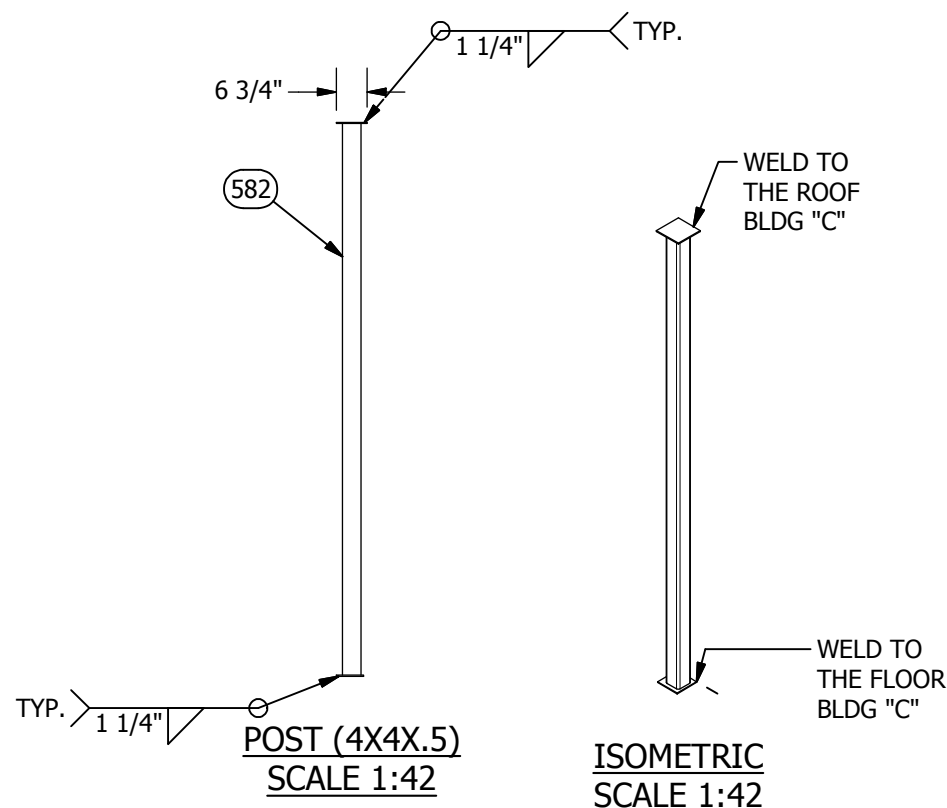
DRAWING NO.: **SALF01S** REV: **G**

SUB PART LIST					
ITEM	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH
535	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	96.000 in	

BLDG. C



MESH LAYOUT
BLDH C- WALL "D"
SCALE 1:50



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CUSTOMER:
ALLIED FIBER

PROJECT:
**CONCRETE SHELTER
MESH LAYOUT
BLDG C- WALL "D"**

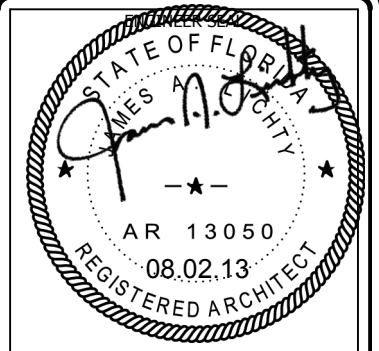
FILENAME: SALF01S.dwg	
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013

SHEET NO.:
19 OF 22

DRAWING NO.: SALF01S	REV: G
--------------------------------	------------------

PART LIST					PART LIST						
ITEM	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH	ITEM	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH
507	170005	PIPE, PVC, SCH 40, 3"	6.000 in			580	221107	WALL EMBED ANGLE ASSY, 6"x4"x10'01"			
535	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	96.000 in		587	222000	INSERT ANGLE, WALL TO ROOF			
538	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	118.000 in	43.875 in		589	223100	EMBED PLATE, WALL, 1/4"x6"x8"			
549	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	118.000 in			591	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	5.000 in	5.000 in	2.000 in
550	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	36.000 in			597	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	30.750 in	10.750 in	4.000 in
556	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	135.875 in			609	410629	ADAPTER, BLU. FLEX ENT, 3/4", CARLON			
567	119015	REBAR CHAIR, PLASTIC, #4, 1 1/2"				671	410046	LOCKNUT, EMT, 3/4"			
						673	430151	BOX, JUNCT, 2"x4", 2 1/8" DEEP			

BLDG. C



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CUSTOMER:

ALLIED FIBER

PROJECT:

CONCRETE SHELTER
STRUCTURAL LAYOUT
BLDG C- WALL "C"

FILENAME:

SALF01S.dwg

DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013

SHEET NO.:

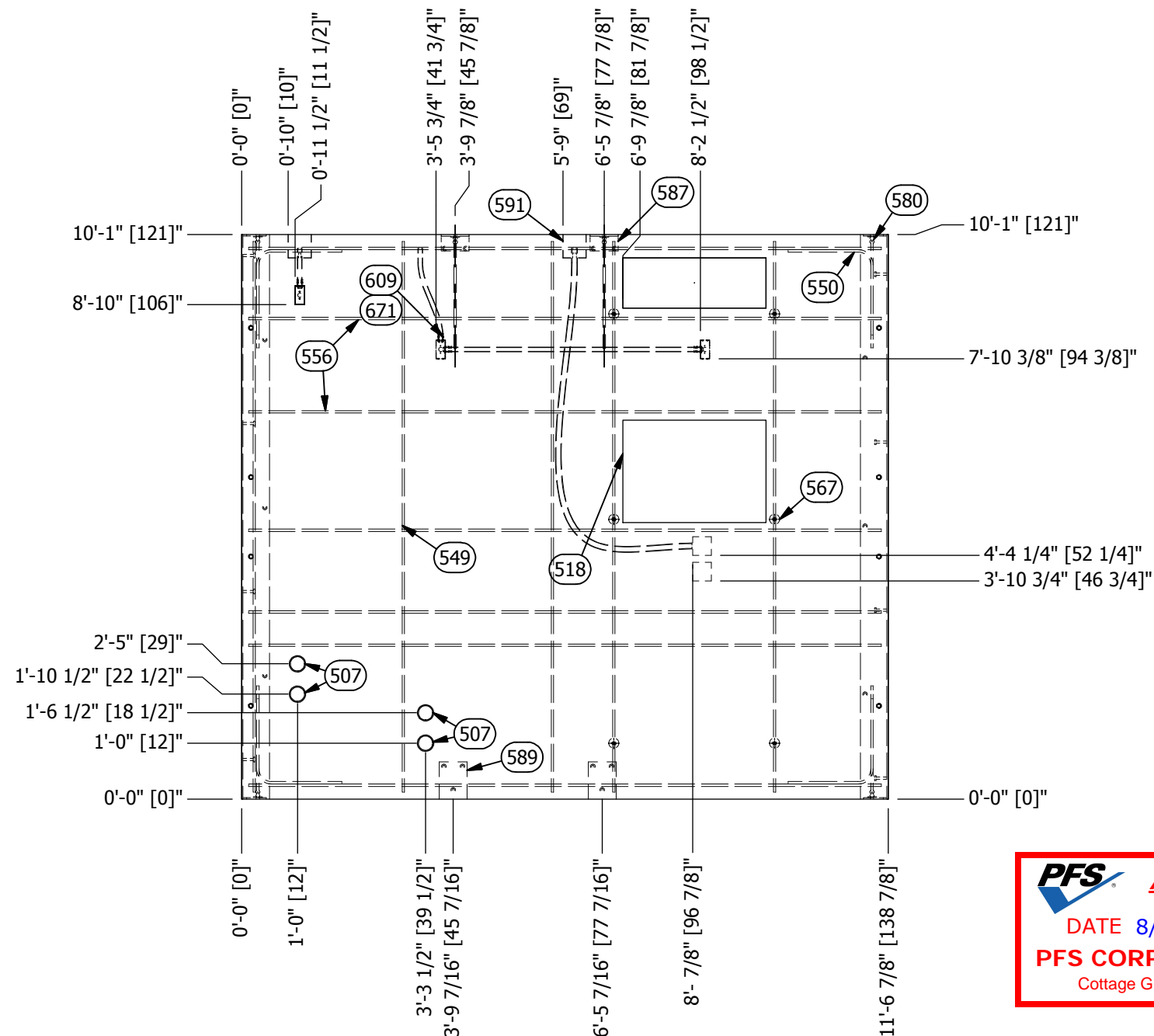
20 OF 22

DRAWING NO.:

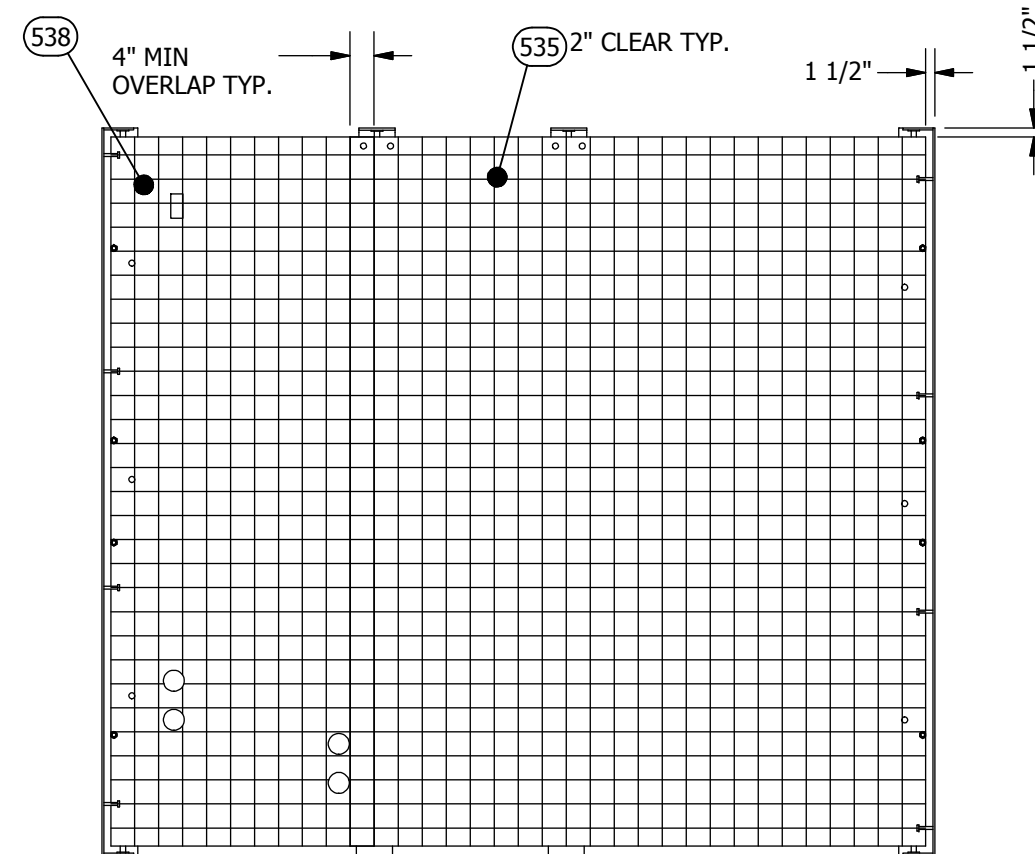
SALF01S

REV:

G



STRUCTURAL LAYOUT
BLDG C- WALL "C"
SCALE 1:32



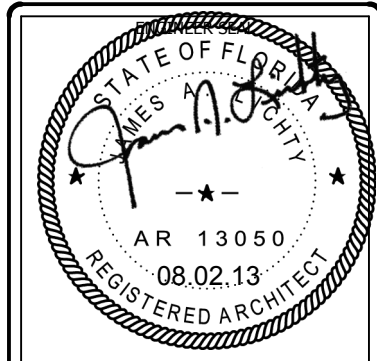
MESH LAYOUT
SCALE 1:32



NOTES:
ALL ENT ARE 3/4" UNLESS NOTED.

PART LIST						PART LIST					
ITEM	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH	ITEM	P/N	DESCRIPTION	LENGTH	WIDTH	DEPTH
502	142063	I-BEAM, TAPERED, W6X15X287				588	223000	INSERT PLATE, ROOF TO 4" WALL, 2 STUD			
546	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	284.000 in			591	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	5.000 in	5.000 in	2.000 in
547	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	138.390 in			609	410629	ADAPTER, BLU. FLEX ENT, 3/4", CARLON			
570	146001	PLATE, 1/2", GRADE 36, RAW MATL	6.000 in	4.000 in		665	410637	ADAPTER, BLU. FLEX ENT, 1", CARLON			
571	146001	PLATE, 1/2", GRADE 36, RAW MATL	285.875 in	3.000 in		671	410046	LOCKNUT, EMT, 3/4"			
578	220219-01	ROOF ANCHOR, LIFTING INSERT, 5 1/4"				672	410047	LOCKNUT, EMT, 1"			
579	220219-06	ROOF ANCHOR, LIFTING INSERT, 5 1/4"				675	430005	BOX, JUNCT, 4"X4", 2-1/8D, 1/2"-3/4KO			

BLDG. C



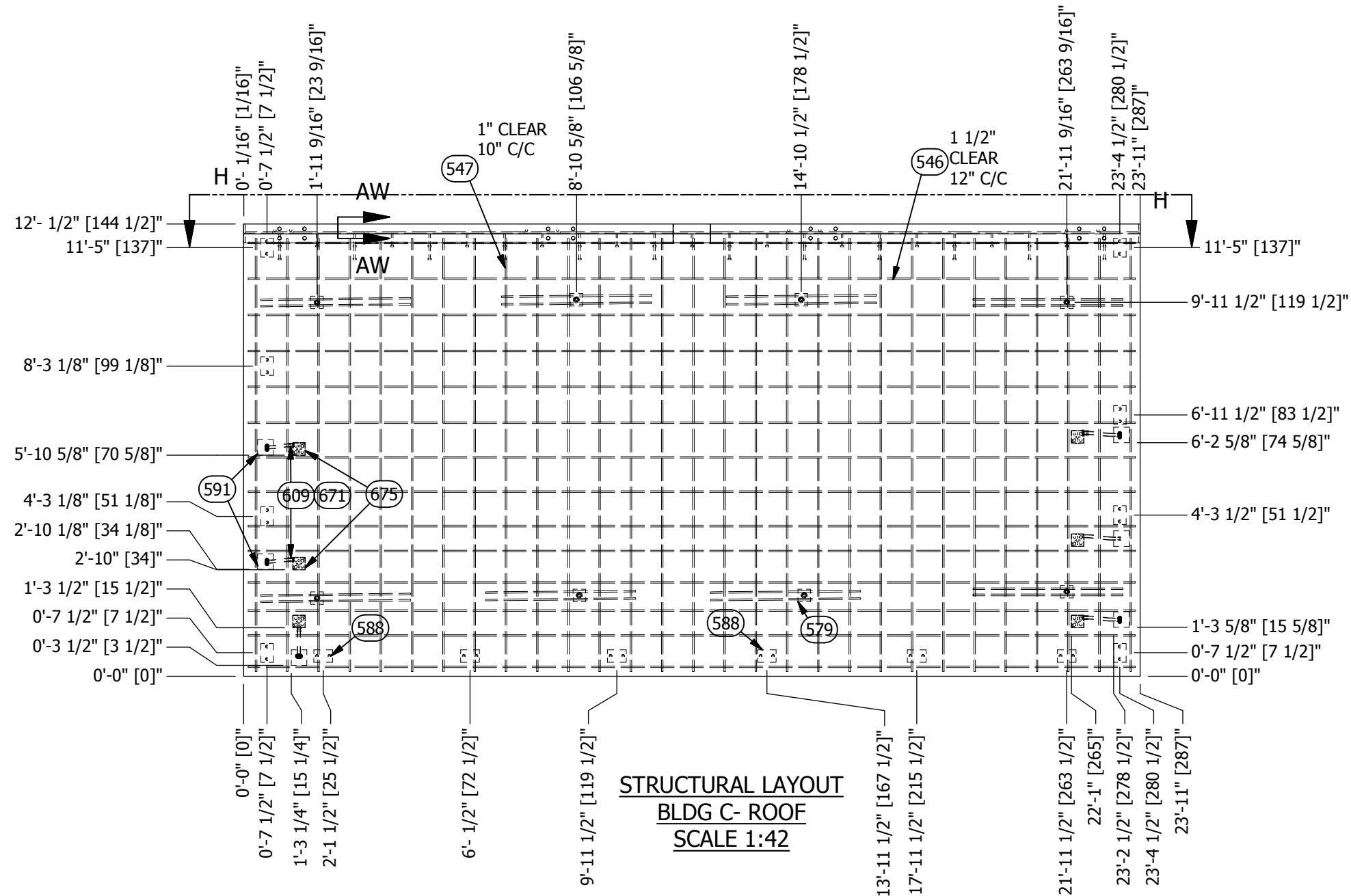
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CUSTOMER:
ALLIED FIBER

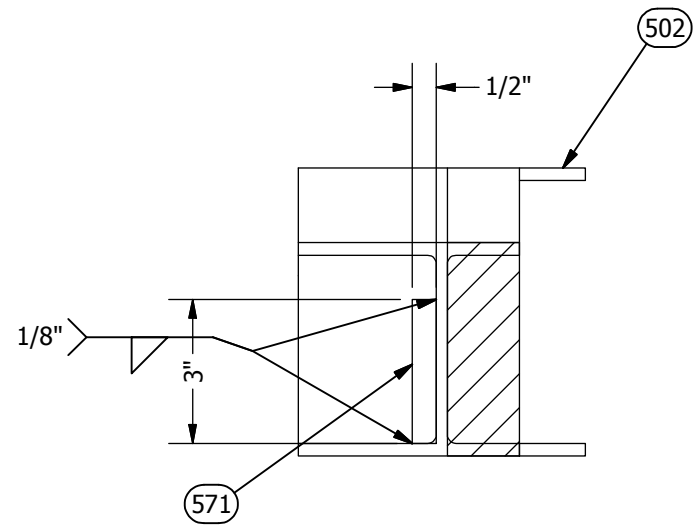
PROJECT:
**CONCRETE SHELTER
STRUCTURAL LAYOUT
BLDG C- ROOF "C"**

FILENAME: SALF01S.dwg	
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013
SHEET NO.: 21 OF 22	
DRAWING NO.: SALF01S	REV: G

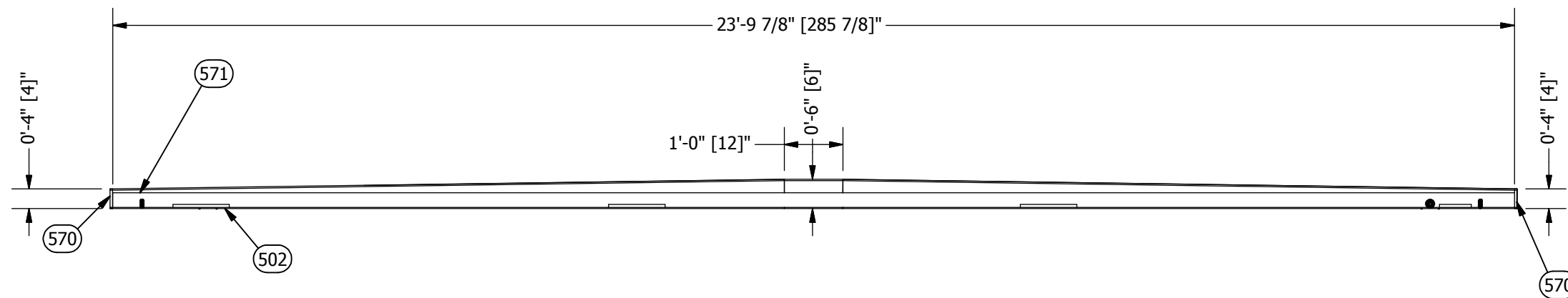


NOTES:
ALL ENT ARE 3/4" UNLESS NOTED.

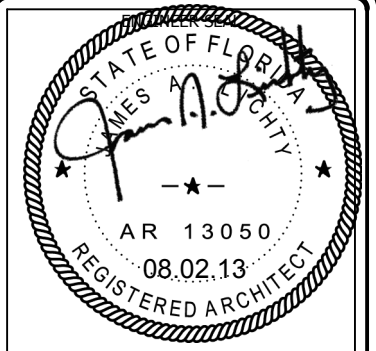
G	SN	07-25-13	ADDED SECTION VIEWS	MT
REV	BY	DATE	DESCRIPTION	APP BY



SECTION AW-AW
SCALE 1:4



VIEW H-H
SCALE 1:28



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CUSTOMER:
ALLIED FIBER

PROJECT:
**CONCRETE SHELTER
CONCRETE SHELTER
STRUCTURAL LAYOUT
BLDG C- ROOF "C"**

FILENAME: SALF01S.dwg	
DESIGN BY: SWAMY.N	DATE: 7/3/2013
DRAWN BY: V.ACHANTA	DATE: 6/30/2013
CHECKED BY: J.ASHLEY	DATE: 6/30/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/30/2013
APPROVED BY: M.TAYLOR	DATE: 6/30/2013
SHEET NO.: 22 OF 22	

DRAWING NO.:
SALF01S

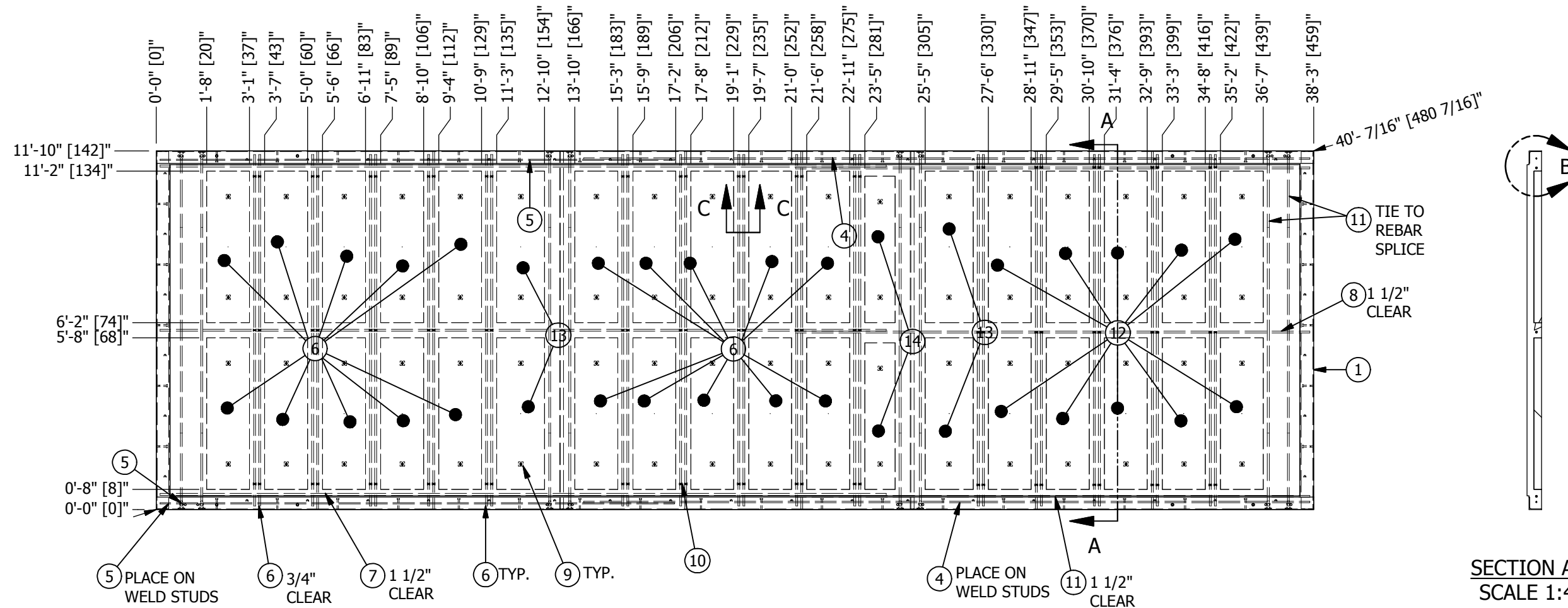
REV:
G

REV	BY	DATE	DESCRIPTION	APP BY
G	SN	07-25-13	ADDED THIS SHEET	MT

PART LIST					
ITEM	QTY	U/M	P/N	DEPT	DESCRIPTION
1	1	CU.YD.	100052-002	10	CONCRETE, 1 CUBIC YARD BATCH, FLOOR
2, 3	2.848	EA.	110001	10	MESH, WIRE, 4X4, D4XD4, 8'X20'
4, 5	178	FT.	112502	10	REBAR, #4 (1/2") #13 METRIC, GRADE 60
6, 7, 8	169.333	FT.	112503	10	REBAR #6 (3/4") #19 METRIC, GRADE 60
9	72	Each	119013	10	REBAR CHAIR, PLASTIC, MESH WITH BASE 1"
10	90	Each	119016	10	REBAR CHAIR, PLASTIC, #6, 3/4"
11	1	EA.	22-1110X3803-00		PMTR ANGLE FRAME ASSY H.S.11'10"X38
12, 13, 14	761.5	FBM	360151	10	INSULATION, EPS, FOAM, RAW MATL B-FOOT

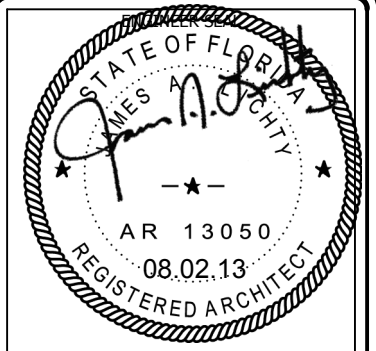
PART LIST								
ITEM	QTY	U/M	P/N	DESCRIPTION	LENGT	WIDTH	PCS	
2	2.317	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	139.000 in	96.000 in	4	
3	.531	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	139.000 in	88.000 in	1	
4	144	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	288.000 in		2	
5	34	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	204.000 in		2	
6	46.333	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	139.000 in		32	
7	72	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	288.000 in		3	
8	51	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	204.000 in		3	
12	637.5	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	60.000 in	17.000 in	30	
13	95	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	60.000 in	19.000 in	4	
14	29	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	58.000 in	12.000 in	2	

- USE 115 PCF SAND LIGHTWEIGHT CONCRETE MIX.
- FLOOR LIVE LOAD = XXX PSF
- ASSEMBLY WEIGHT = N/A



TOP VIEW
SCALE 1:48
(XXXX CU. YD. CONCRETE)

SECTION A-A
SCALE 1:48



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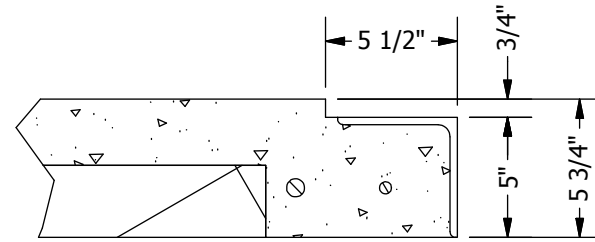
CUSTOMER:

PROJECT:
11'-10"X38'-03"
CONCRETE FLOOR

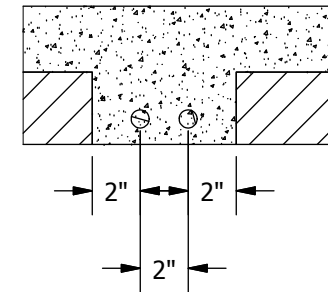
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DESIGN BY: SWAMY.N	DATE: 6/26/2013
DRAWN BY: SWAMY.N	DATE: 6/27/2013
CHECKED BY: T.INGRAM	DATE: 6/27/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/27/2013
APPROVED BY:	DATE:

SHEET NO.:
1 OF 2
DRAWING NO.:
221-1110X3803-00
REV:
G

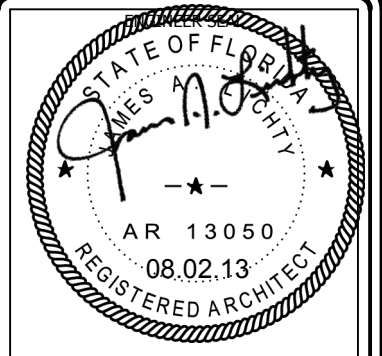
SUB-PART LIST					
ITEM	QTY	U/M	P/N	DEPT	DESCRIPTION
2	2.317	EA.	110001	10	MESH, WIRE, 4X4, D4XD4, 8'X20'
3	.531	EA.	110001	10	MESH, WIRE, 4X4, D4XD4, 8'X20'



DETAIL B
SCALE 1:8



SECTION C-C
SCALE 1:8



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CUSTOMER:

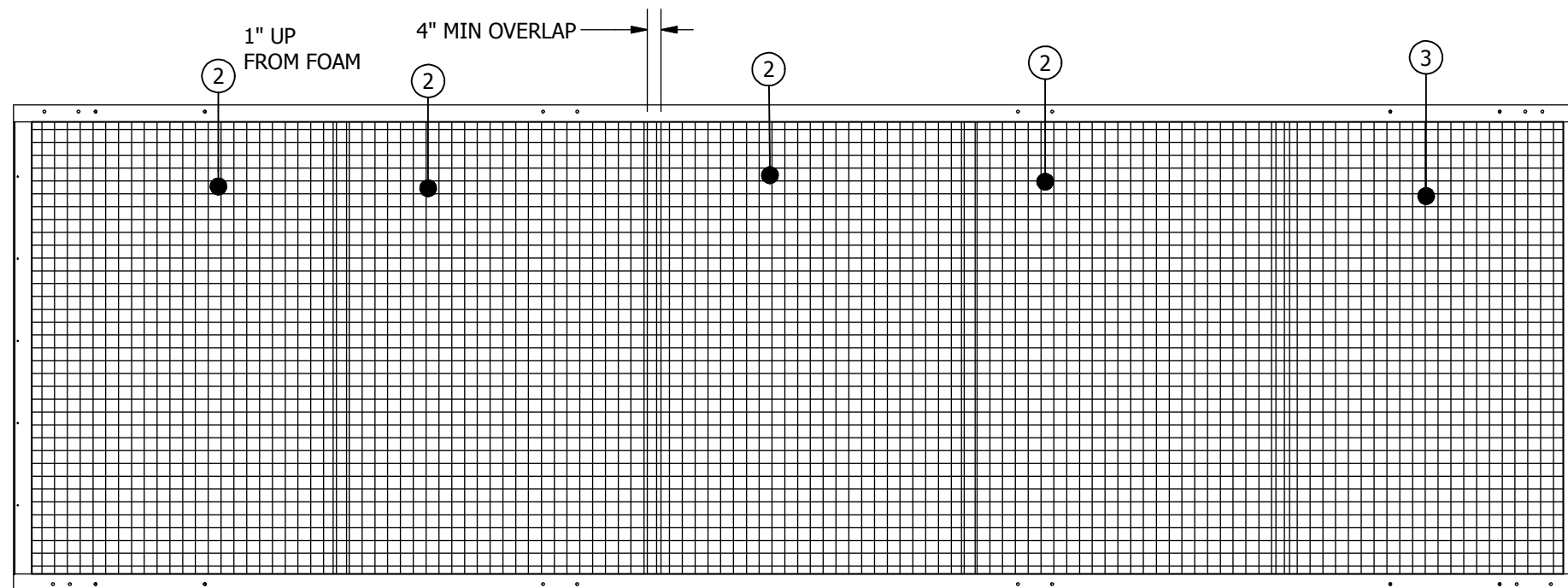
PROJECT:
11'-10"X38'-03"
CONCRETE FLOOR

FILENAME: 221-1110X3803-00.dwg	
DESIGN BY: SWAMY.N	DATE: 6/26/2013
DRAWN BY: SWAMY.N	DATE: 6/27/2013
CHECKED BY: T.INGRAM	DATE: 6/27/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/27/2013
APPROVED BY:	DATE:

SHEET NO.:
2 OF 2

DRAWING NO.:
221-1110X3803-00

REV.:
G

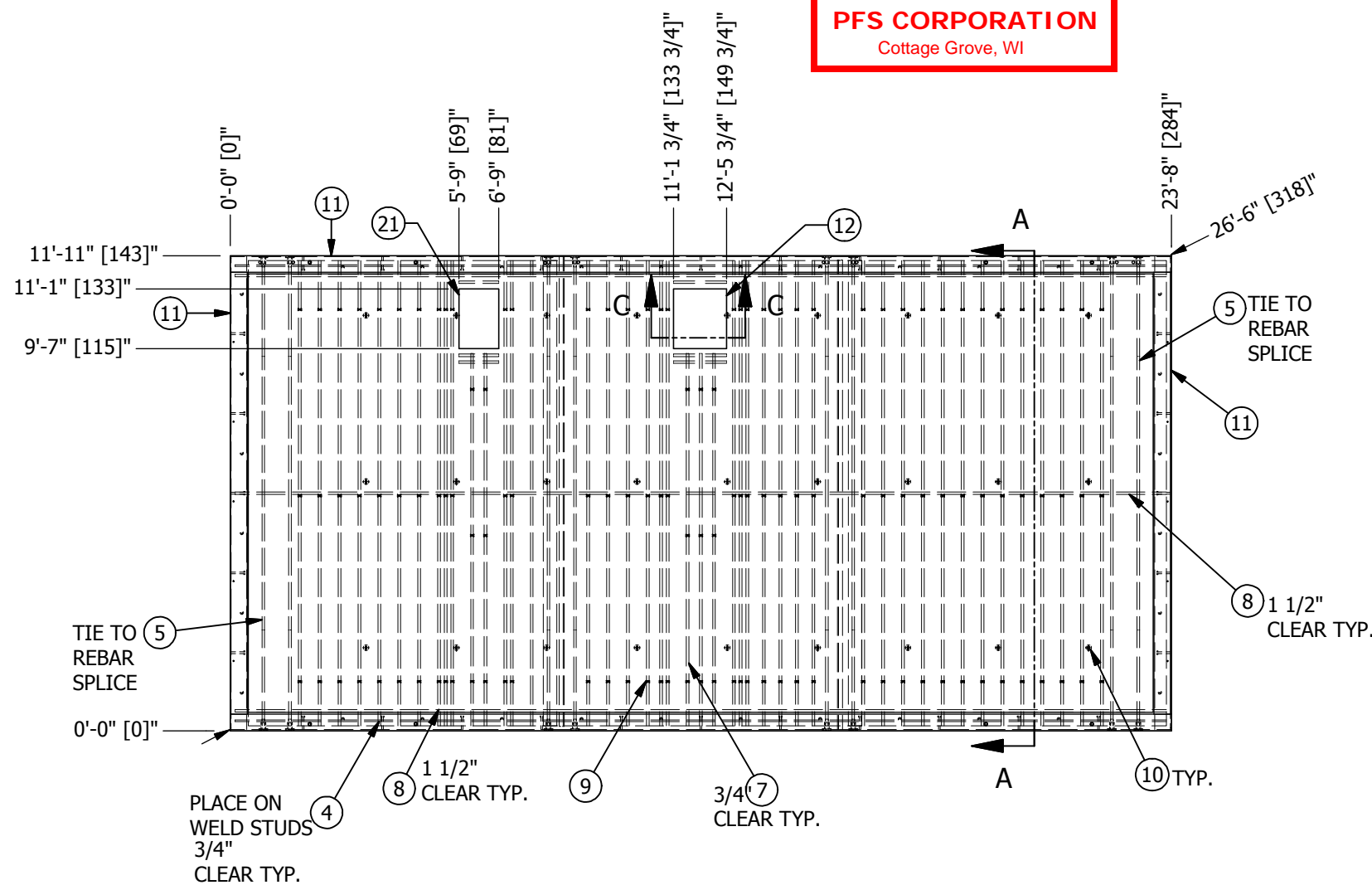


MESH LAYOUT
CONCRETE FLOOR
SCALE 1:48

PART LIST					
ITEM	QTY	U/M	P/N	DEPT	DESCRIPTION
12, 21	20.125	FBM	360151	10	INSULATION, EPS, FOAM, RAW MATL B-FOOT
1	1	CU. YD.	100052-002	10	CONCRETE, 1 CUBIC YARD BATCH, FLOOR
2, 3	1.732	EA.	110001	10	MESH, WIRE, 4X4, D4XD4, 8'X20'
4	46.833	FT.	112502	10	REBAR, #4 (1/2") #13 METRIC, GRADE 60
5, 6, 7, 8, 22	170.583	FT.	112503		REBAR #6 (3/4") #19 METRIC, GRADE 60
9	129	Each	119016	10	REBAR CHAIR, PLASTIC, #6, 3/4"
10	27	Each	119022	10	REBAR CHAIR, PLASTIC, MESH W/BASE 4"
11	1	EA.	22-1111X2308	10	PMTR ANGLE FRAME ASSY H.S. 11'11"X23'

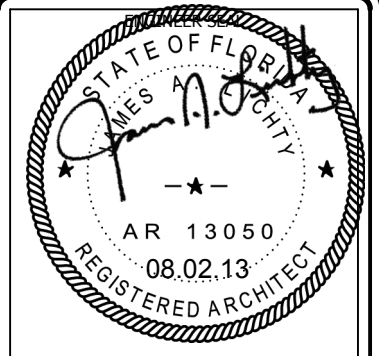
CUT LIST							
ITEM	QTY	U/M	P/N	DESCRIPTION	LENGTH	WIDTH	PCS
1	1	CU. YD.	100052-002	CONCRETE, 1 CUBIC YARD BATCH, FLOOR	284.000 in	143.000 in	1
2	1.167	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	140.000 in	96.000 in	2
3	.565	EA.	110001	MESH, WIRE, 4X4, D4XD4, 8'X20'	140.000 in	93.000 in	1
4	46.833	FT.	112502	REBAR, #4 (1/2") #13 METRIC, GRADE 60	281.000 in		2
5	46.667	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	140.000 in		47
6	4	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	16.000 in		3
7	46.667	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	112.000 in		5
8	70.25	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	281.000 in		3
9	129	Each	119016	REBAR CHAIR, PLASTIC, #6, 3/4"			129
10	27	Each	119022	REBAR CHAIR, PLASTIC, MESH W/BASE 4"			27
12	11.5	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	16.000 in	18.000 in	1
21	8.625	FBM	360151	INSULATION, EPS, FOAM, RAW MATL B-FOOT	12.000 in	18.000 in	1
22	3	FT.	112503	REBAR #6 (3/4") #19 METRIC, GRADE 60	12.000 in		3

- USE 115 PCF SAND LIGHTWEIGHT CONCRETE MIX.
- FLOOR LIVE LOAD = XXX PSF
- ASSEMBLY WEIGHT = N/A



TOP VIEW
SCALE 1:48
(XXXX CU. YD. CONCRETE)

SECTION A-A
SCALE 1:48



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CUSTOMER:

PROJECT:
11'-10"X38'-03"
CONCRETE FLOOR

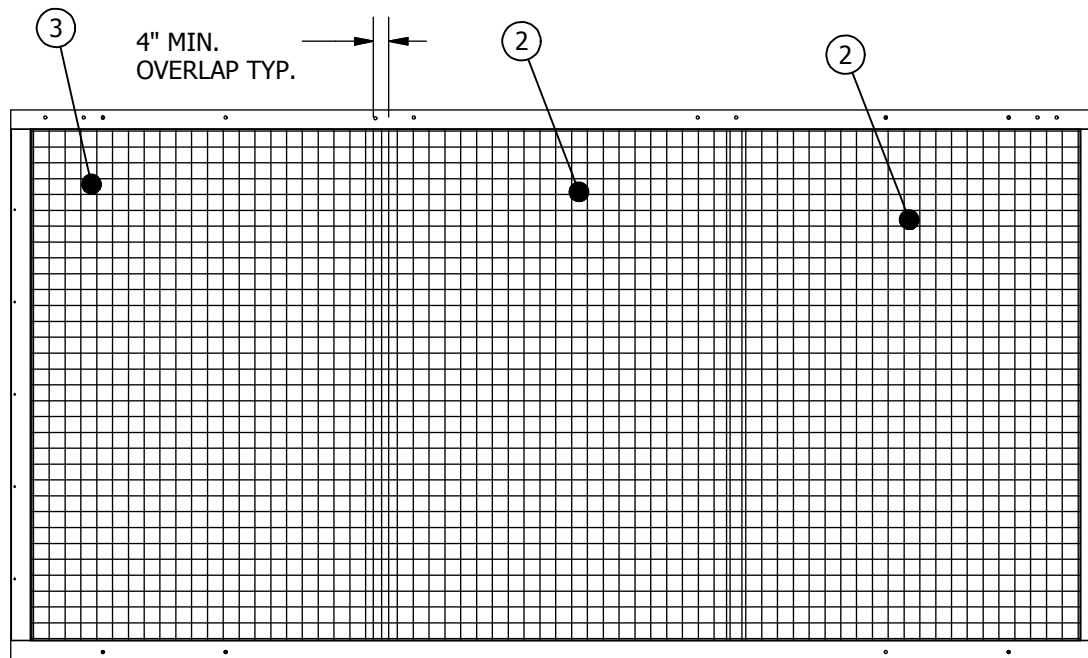
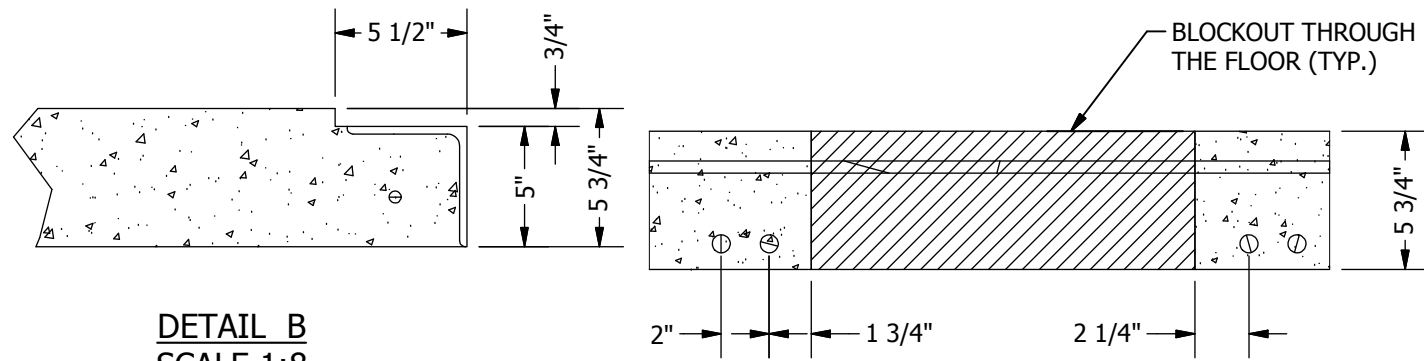
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DESIGN BY: SWAMY.N	DATE: 7/8/2013
DRAWN BY: SWAMY.N	DATE: 6/27/2013
CHECKED BY: T.INGRAM	DATE: 6/27/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/27/2013
APPROVED BY:	DATE:

SHEET NO.:
1 OF 2

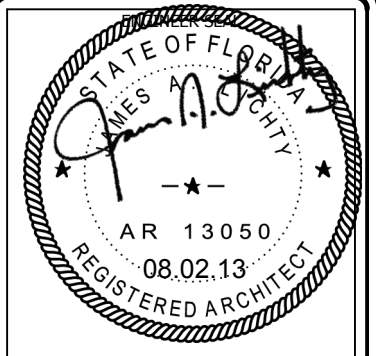
DRAWING NO.:
221-1111X2308

REV.:
G

SUB-PART LIST					
ITEM	QTY	U/M	P/N	DEPT	DESCRIPTION
2	1.167	EA.	110001	10	MESH, WIRE, 4X4, D4XD4, 8'X20'
9	129	Each	119016	10	REBAR CHAIR, PLASTIC, #6, 3/4"
3	.565	EA.	110001	10	MESH, WIRE, 4X4, D4XD4, 8'X20'
8	70.25	FT.	112503	10	REBAR #6 (3/4") #19 METRIC, GRADE 60



MESH LAYOUT
CONCRETE FLOOR
SCALE 1 / 50



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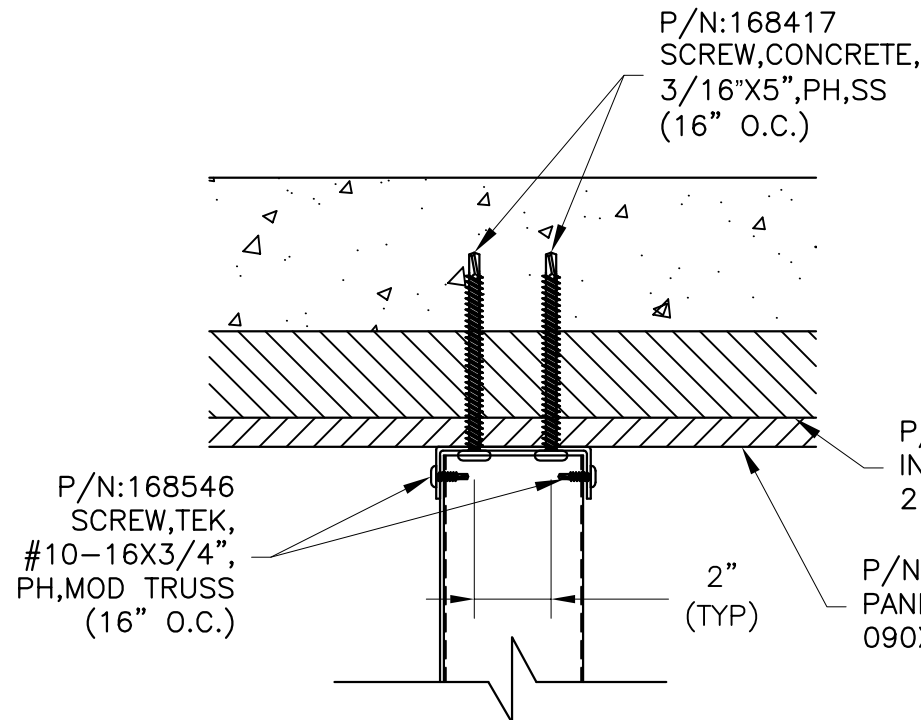
PROJECT:
11'-10"X38'-03"
CONCRETE FLOOR

FILENAME: 221-1111X2308.dwg	
DESIGN BY: SWAMY.N	DATE: 7/8/2013
DRAWN BY: SWAMY.N	DATE: 6/27/2013
CHECKED BY: T.INGRAM	DATE: 6/27/2013
ENGINEERED BY: M.TAYLOR	DATE: 6/27/2013
APPROVED BY:	DATE:

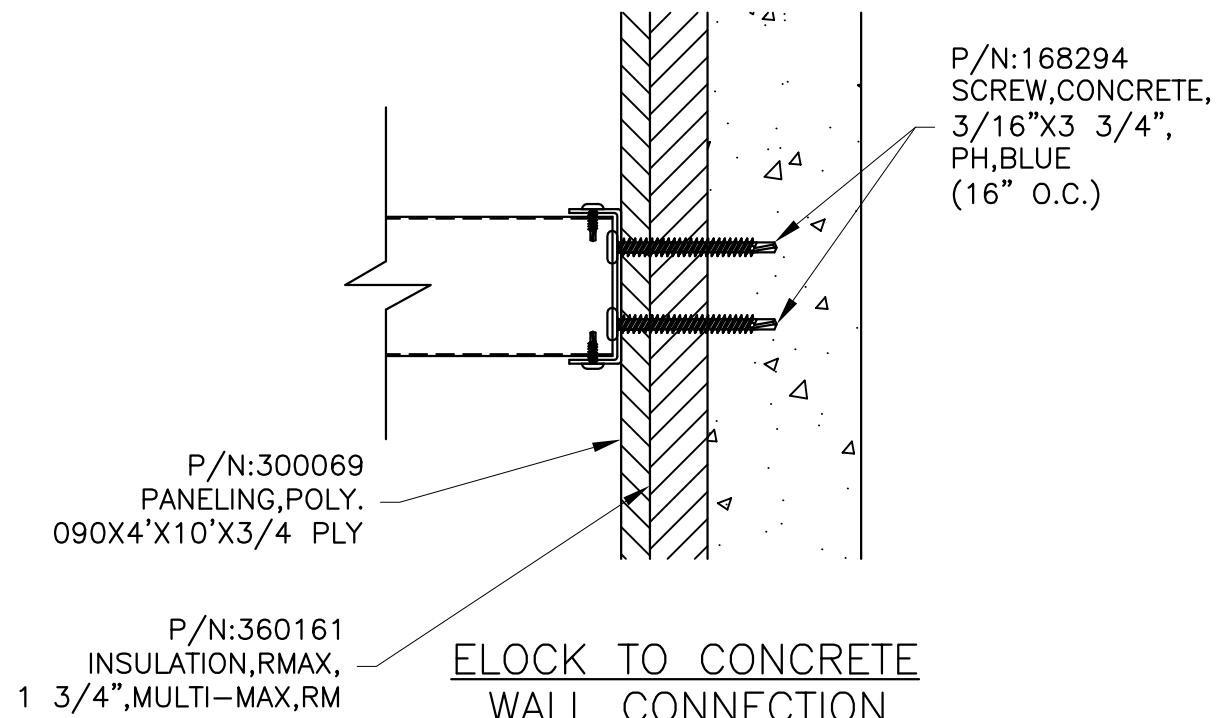
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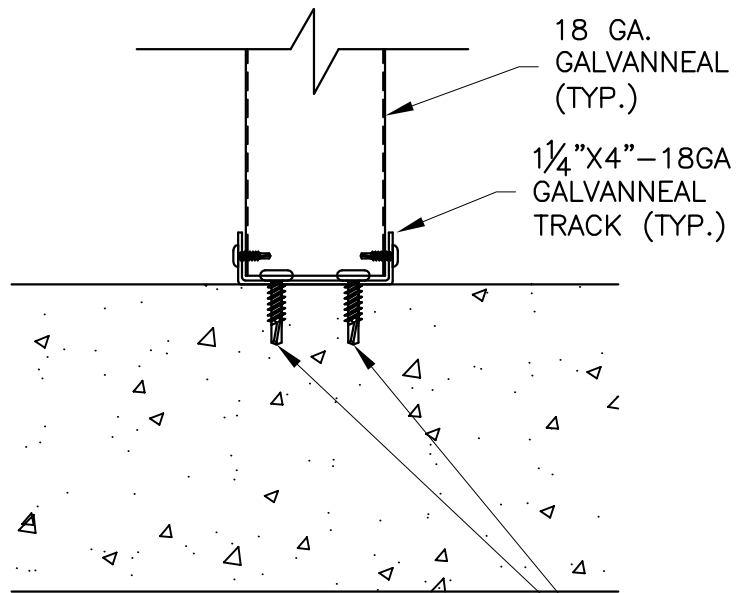
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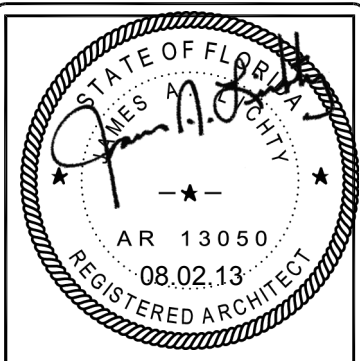
ELOCK TO CONCRETE
CEILING CONNECTION



ELOCK TO CONCRETE
WALL CONNECTION



ELOCK TO CONCRETE
FLOOR CONNECTION



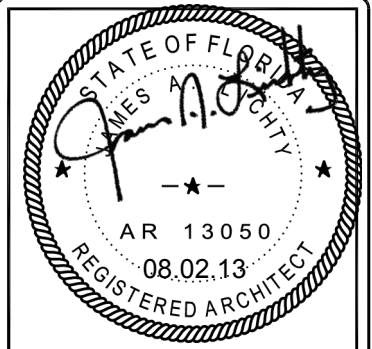
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CUSTOMER:
ALLIED FIBER

PROJECT:
ELOCK PARTITION TO CONCRETE CONNECTION DETAILS

FILENAME: ALLIED FIBER CONNECTION DTL.dwg	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: C.KIDD	DATE: 7/24/13
CHK. BY: C.KIDD	DATE: 7/24/13
ENG. BY:	DATE:
APP. BY: T.INGRAM	DATE: 7/24/13
SHEET NO. DETAIL	
DRAWING NO.: 502-001	REV.:



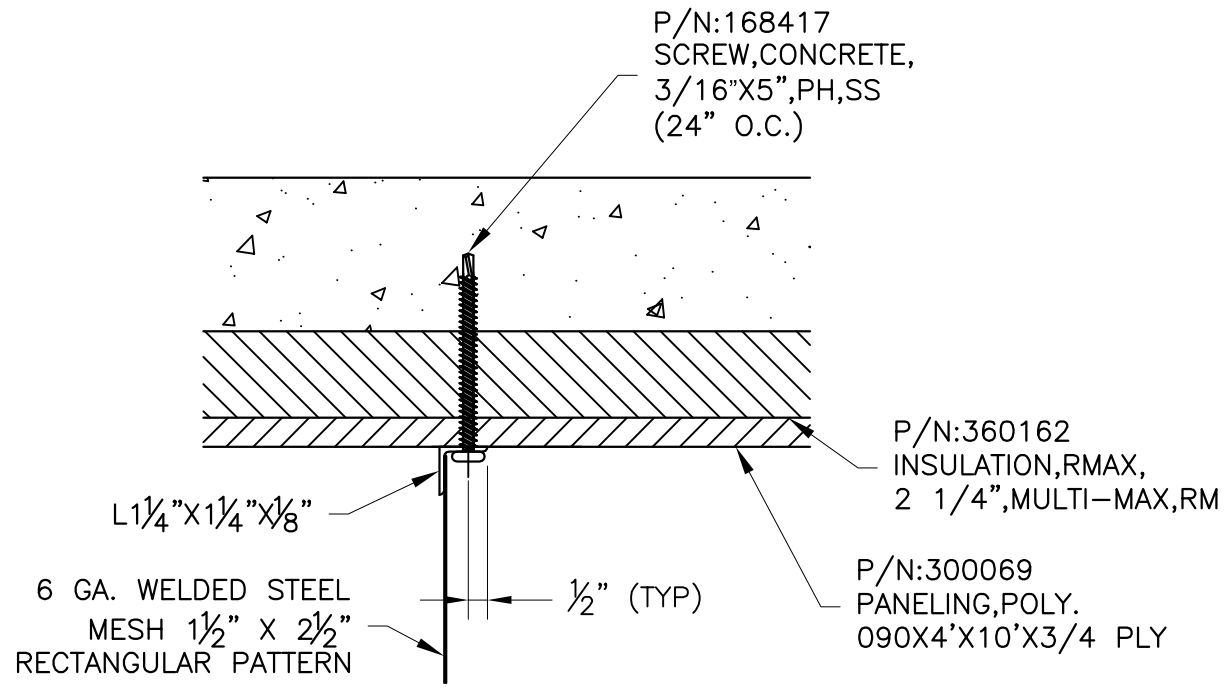
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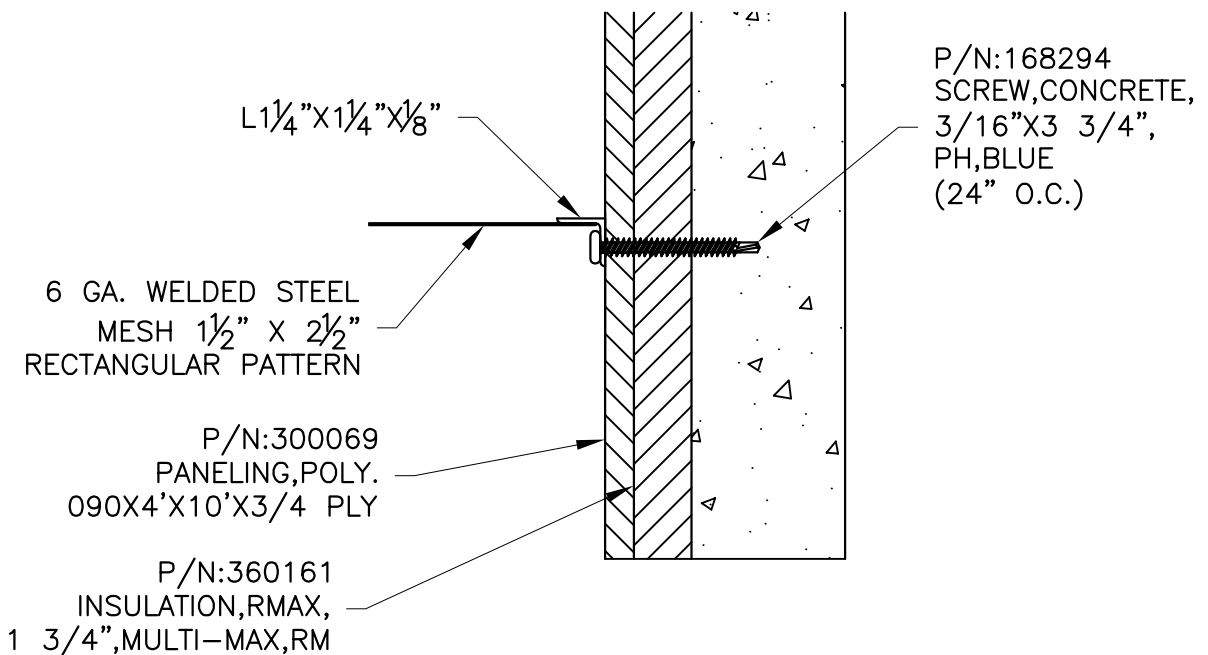
CUSTOMER:
ALLIED FIBER

PROJECT:
MESH WIRE PARTITION TO CONCRETE CONNECTION DETAILS

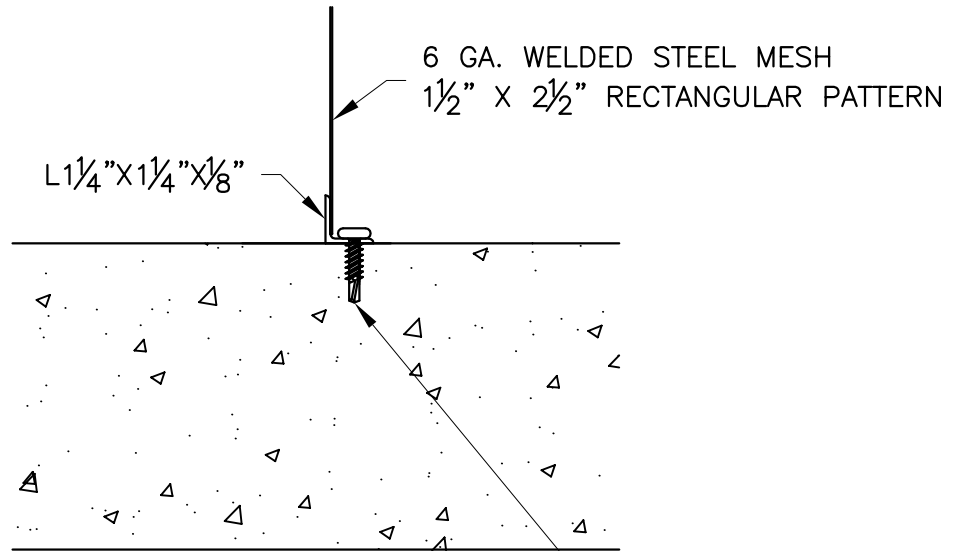
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CHK. BY: C.KIDD	DATE: 7/25/13
ENG. BY:	DATE:
APP. BY: T.INGRAM	DATE: 7/25/13
SHEET NO. DETAIL	
DRAWING NO.: 502-002	REV.:



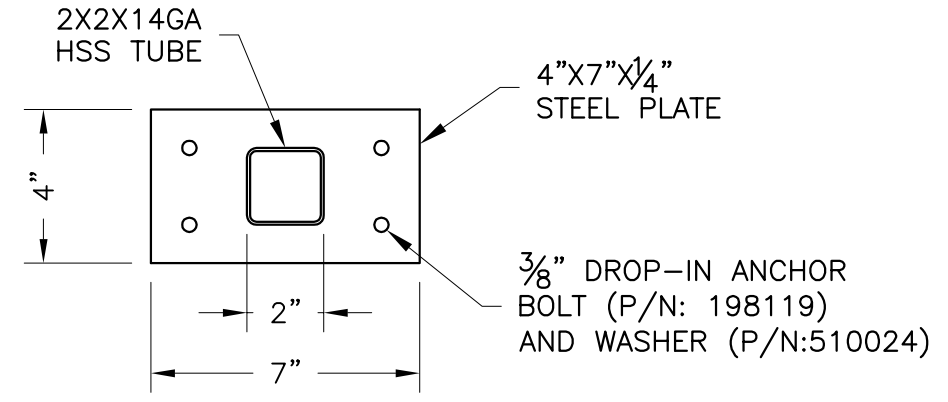
MESH WALL TO CONCRETE CEILING CONNECTION



MESH WALL TO CONCRETE WALL CONNECTION



MESH WALL TO CONCRETE FLOOR CONNECTION



MESH WALL DOOR POST CONNECTION