

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
				11	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.	
0001		09/06/2023		5. PROJECT NO. (If applicable)	
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)	
USDA FPAC Business Center		FPAC-HQ-12FPC3		CODE	
Western Section					
FPAC-HQ-12FPC3@usda.gov					
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				12FPC323Q0108	
		x		9B. DATED (SEE ITEM 11)	
				09/06/2023	
				10A. MODIFICATION OF CONTRACT/ORDER NO.	
				10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input checked="" type="checkbox"/> is not extended.					
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).				
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
	D. OTHER (Specify type of modification and authority)				

E. IMPORTANT: Contractor ☐ is not ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Master Station Demolition in Dugway, Utah.  
The purpose of this amendment is to transmit Q&A notes.

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		LAUREEN M. EIPP	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
_____ (Signature of person authorized to sign)		_____ (Signature of Contracting Officer)	

Previous edition unusable

**Demolition and Removal of the Dugway master radio station towers and bases for the National  
Climate & Water Center (NWCC)**

**12FPC323Q0108 - Questions and Answers**

1. Do we have to provide a property survey, is this a requirement of this SOW?

**There is no need for a property survey.**

2. Is Electric Power and Light a requirement for this project?

**No requirement; Look to the regulations cited in Section 5.2 of the Statement of Work .**

3. If power is needed, we will utilize a building power?

**You can use building power.**

4 - Is Telephone service a requirement for this project?

**Not required per the Statement of Work.**

5 - Are JOB trailers required?

**Not required per the Statement of Work.**

6 - Will we be required to provide on-site hand-held radios?

**Not required per the Statement of Work.**

7- Is Bonding a requirement for this project?

**No**

8- Will the proposal date be pushed for RFI responses?

**No**

9- Is a CDL required for Contractor to have when renting equipment?

**Need to comply with state and local guidance.**

10- Does all concrete need to be taken out or is digging down 2-3ft suffice with proper backfill?

**All concrete must be removed. No concrete is to be left behind or buried on site.**

11- Is contractor to have someone come out with a bushog for grass and weeds or with that be on the NWCC?

**The contractor is responsible for site safety, and fire mitigation.**

12- Will a storage trailer be permitted to be left on site with materials and tools or will it need to be packed up and removed daily?

a. If permitted to be left on site, may it be left for the duration of work?

**That will need to be coordinated by the successful contractor with the Dugway Proving Grounds contact information will be made available to successful contractor.**

13 - Whats the project magnitude?

The magnitude is only required to be disclosed on a construction. This is being solicited as service contract.

See Attached Additional Site Drawings Below:

REV	DESCRIPTION	BY	DATE
A	Added 1" Dia. Blockouts, Changed Racking Outlets	JE	07/09/08



Plant Location: Chandler, Arizona

Phone: (480) 732-1532 Fax: (480) 732-1627

Internet Site: [www.oldcastlecomm.com](http://www.oldcastlecomm.com)

## Utah State Requirements:

<b>Design Loads:</b>	<b>Roof Snow Load:</b> 66PSF
	<b>Roof Live Load:</b> 250PSF
	<b>Wind Load:</b> 140 MPH, Exp. "C"
	<b>Seismic:</b> Category C
<b>Design Code:</b>	<b>Building Code:</b> 2003 International Building Code
	<b>Electrical Code:</b> 2005 National Electrical Code
	<b>Energy Code:</b> 2003 IECC
	<b>Concrete Building Code:</b> ACI 318-02 Building Code
	<b>Mechanical Building Code:</b> 2003 IMC

<b>Specifications:</b>	Building Height: 10'-1"
	Building Width: 11'-6"
	Building Length: 26'-6"
	Building Area: 273 Sq. Ft.
<b>Materials:</b>	
Concrete:	FC = 5,000 PSI @ 28 Days
Steel:	ASTM A-615 Grade 60
Mesh:	ASTM A-496 and A-497

### Location And Foundation Requirements:

The Building location shall comply with all applicable local codes and ordinances

The Building is to be located a minimum of one-third the height (40 feet maximum) away from downslopes greater than 3:1, and one-half the height (15 feet maximum) away from upslopes greater than 3:1.

**Do not locate the Building over subsurface utilities, tanks, or similar objects.**

The building floor slab is to be cast on undisturbed nonexpansive earth or compacted fill, free of organic material, with an allowable soil bearing pressure of 1,000 psf minimum. The building is to be placed on well draining soil with drains as required (by others) so it is not affected by frost heave (where occurs). A Geotechnical Engineer should evaluate the effect of a high water table or any other unusual soil conditions.

Soil surface under the Building floor slab to be flat and level. The soil around the Building shall be sloped away 1/8 inch per foot minimum for 5 feet minimum.

In Seismic Category C, the building shall be placed on cast-in-place perimeter footing or slab (by others) and anchored as shown in drawings.

### Building Weight:

Model: 1227 - 68,000 lbs

## Index:


08-4175-1:	General Notes
08-4175-2:	Floor Plan
08-4175-3:	Exterior Elevations
08-4175-4:	Reflected Ceiling Plan
08-4175-5:	Interior Elevation 'A'
08-4175-6:	Interior Elevation 'B'
08-4175-7:	Interior Elevation 'C'
08-4175-8:	Interior Elevation 'D'
08-4175-9:	Cable Tray Layout
08-4175-E1:	Electrical

### Exterior Finish Specifications:

Building Finish:	Charmer Ship Finish Primer: Primer 1000 Paint Color: Desert Tan
Door Finish:	Paint Color: Pallet Tan (System 4000 Sherwin Williams)
Roof Finish:	Elastomeric Coating (Solar Coat)

### Interior Finish Specifications:

Walls and Ceiling Finish:	2 x 3 Wood Studs 1-1/2" Rigid Insulation FRP (1-1/2" Fiberboard Substrate) Walls (1-1/2") = R11 and Ceiling (1-1/2") = R11
Floor Finish: Bare Concrete	



**Oldcastle Precast®**  
Communications

411 E. Fwy Rd  
Chandler, AZ 85224  
Phone: (480) 963-2678  
Fax: (480) 899-1837

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**DRAWING SET:** \_\_\_\_\_ **DATE:** 03/19/08

**CHANGED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

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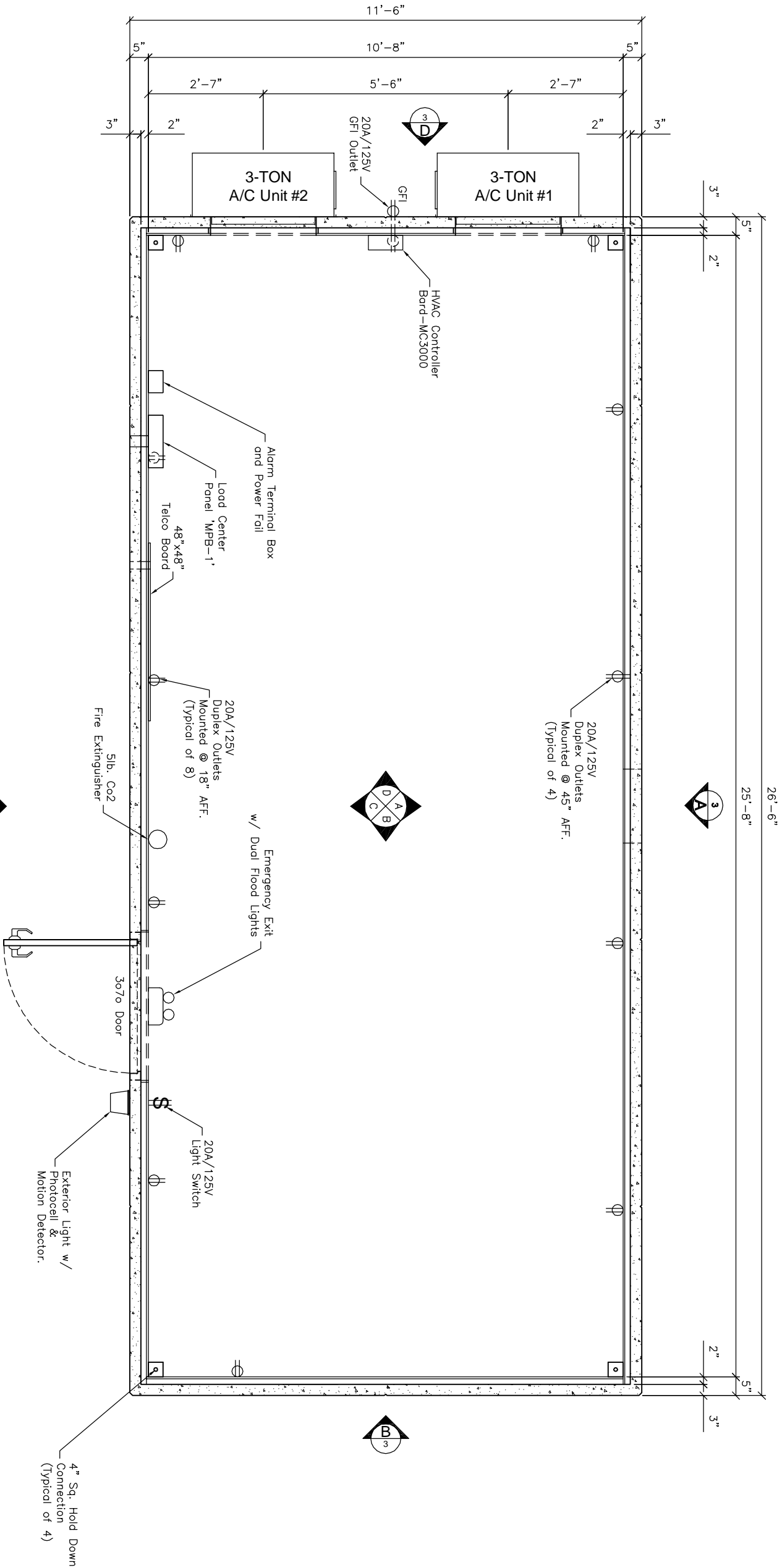
**DRAWING NUMBER:**  
08-41175 - 1

**SCALE:** 3/8" = 1'-0"

**TITLE:**  
Precast Concrete Building (Model:1227)  
USDA

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DRAWING NUMBER	TITLE CODE	SHEET NO.	SHEET OF	REV.
08-41175 - 1		1	9	A



FLOOR PLAN


NOTE:  
RF Paint Applied to Walls, Floor  
& Ceiling Prior to Tile and FRP.



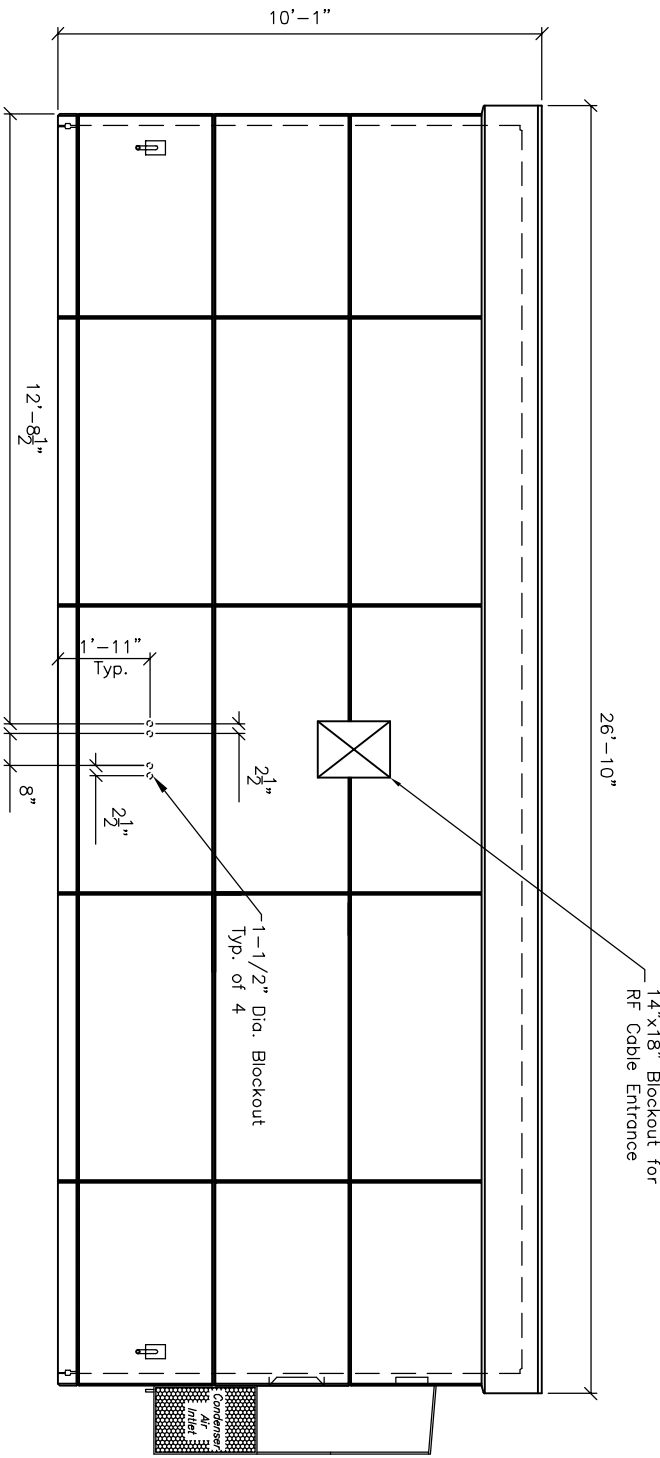
Denotes Exterior Elevation View Of Building



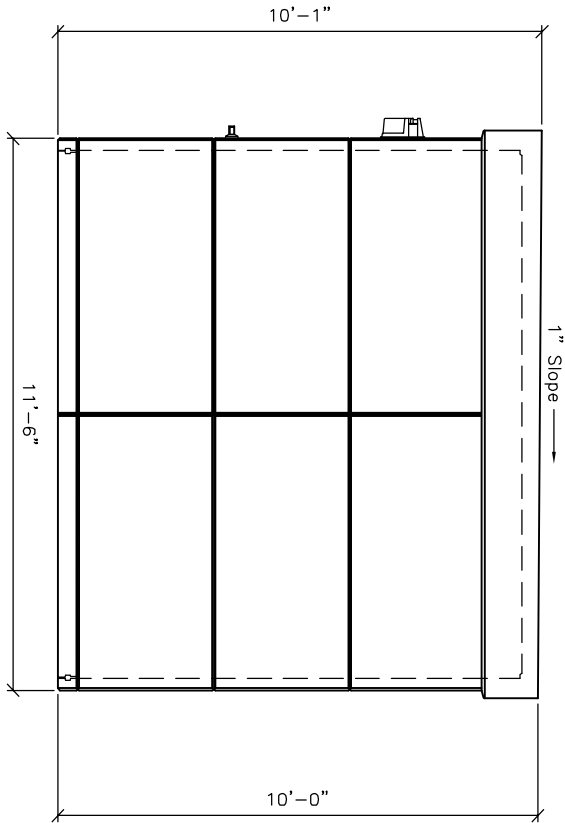
Denotes Interior Wall Elevation View in Building

				411 E. Frye Rd. Chandler, AZ 85224 Phone: (480) 863-2676 Fax: (480) 866-1937			
DRAWING BY:		DATE:		TITLE:			
JE		03/19/08		Precast Concrete Building (Model: 1227)			
CHECKED BY:		DATE:		USDA			
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DRAWING NUMBER:				REV.:			
08-4175 - 2				A			
SCALE:		TYPED CODE:		SHEET NUMBER:		SHEET OF:	
3/8" = 1'-0"		-		2		9	

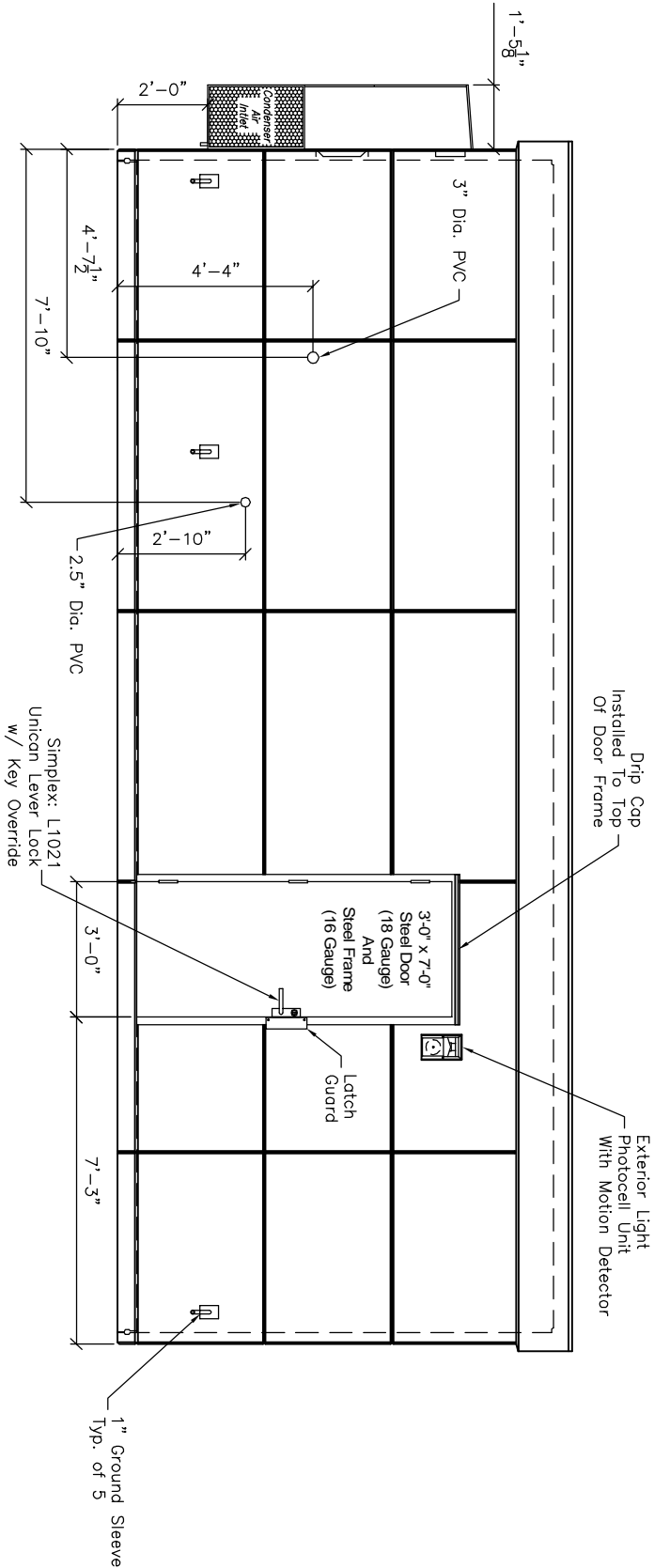
REV	DESCRIPTION	BY	DATE
B	Added Ground Sleeves	JE	07/30/08



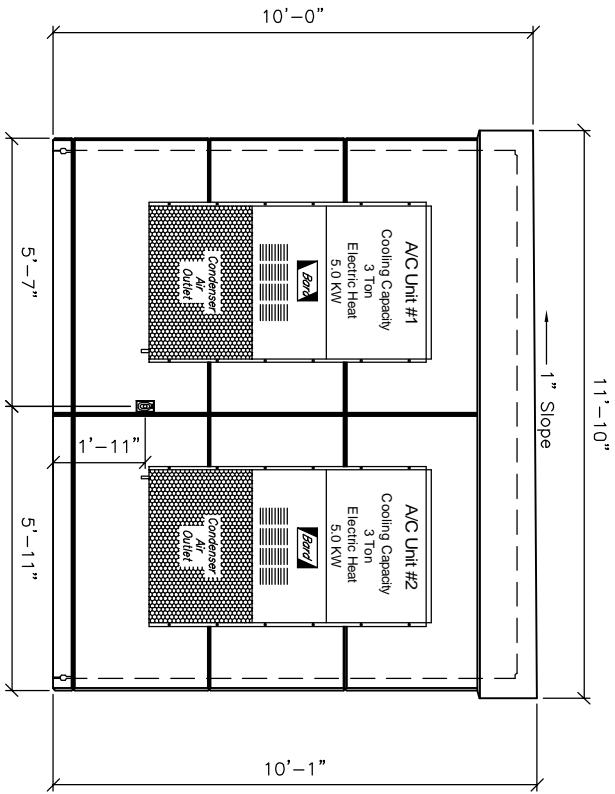
EXTERIOR ELEVATION 'A'




EXTERIOR ELEVATION 'B'

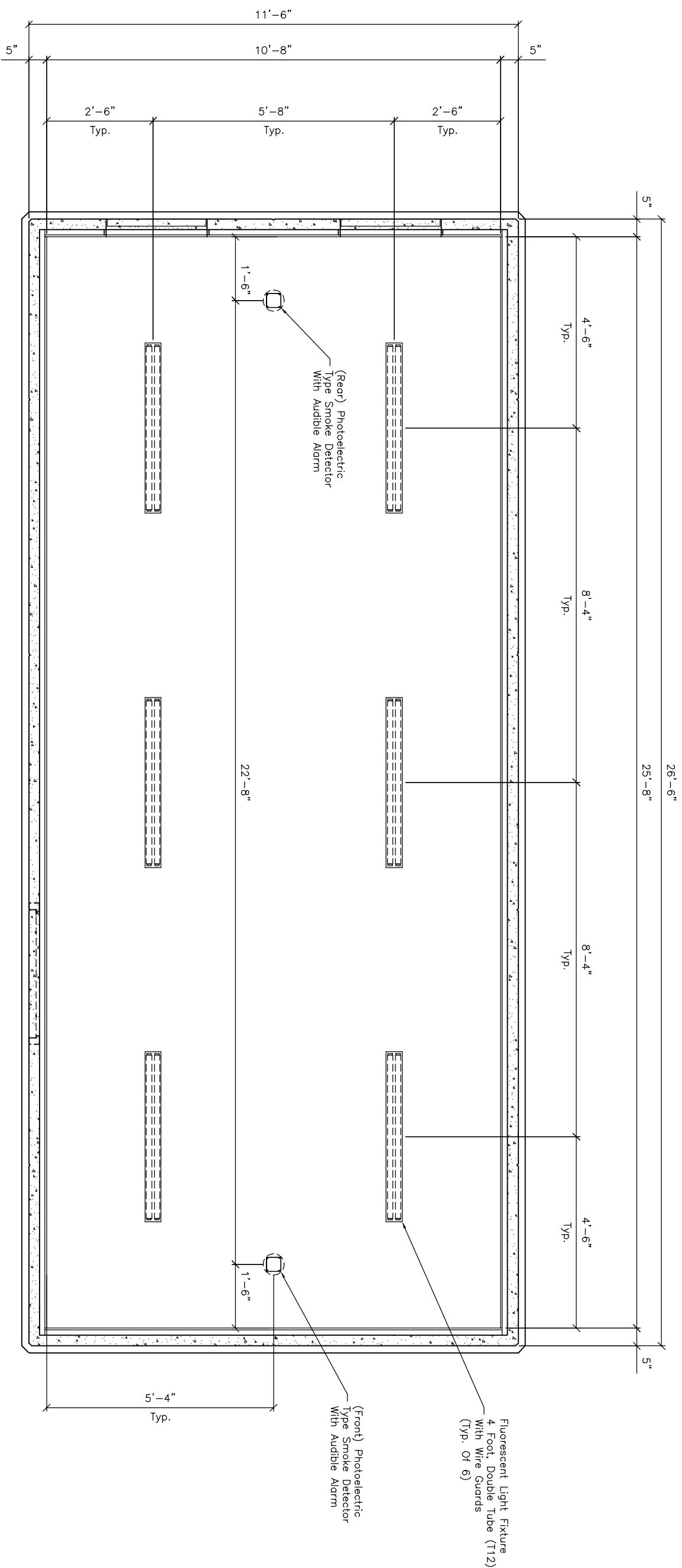


EXTERIOR ELEVATION 'C'




EXTERIOR ELEVATION 'D'

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DRAWING BY: JE		DATE: 03/19/08		TITLE: Precast Concrete Building (Model:1227)	
CHECKED BY: JE		DATE: 03/19/08		SCALE: 1/4" = 1'-0"	
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		REVISION: 1/4" = 1'-0"		DATE: 03/19/08	



## REFLECTED CEILING PLAN

**NOTE:**  
RF Paint Applied to Walls, Floor  
& Ceiling Prior to Tile and FRP.



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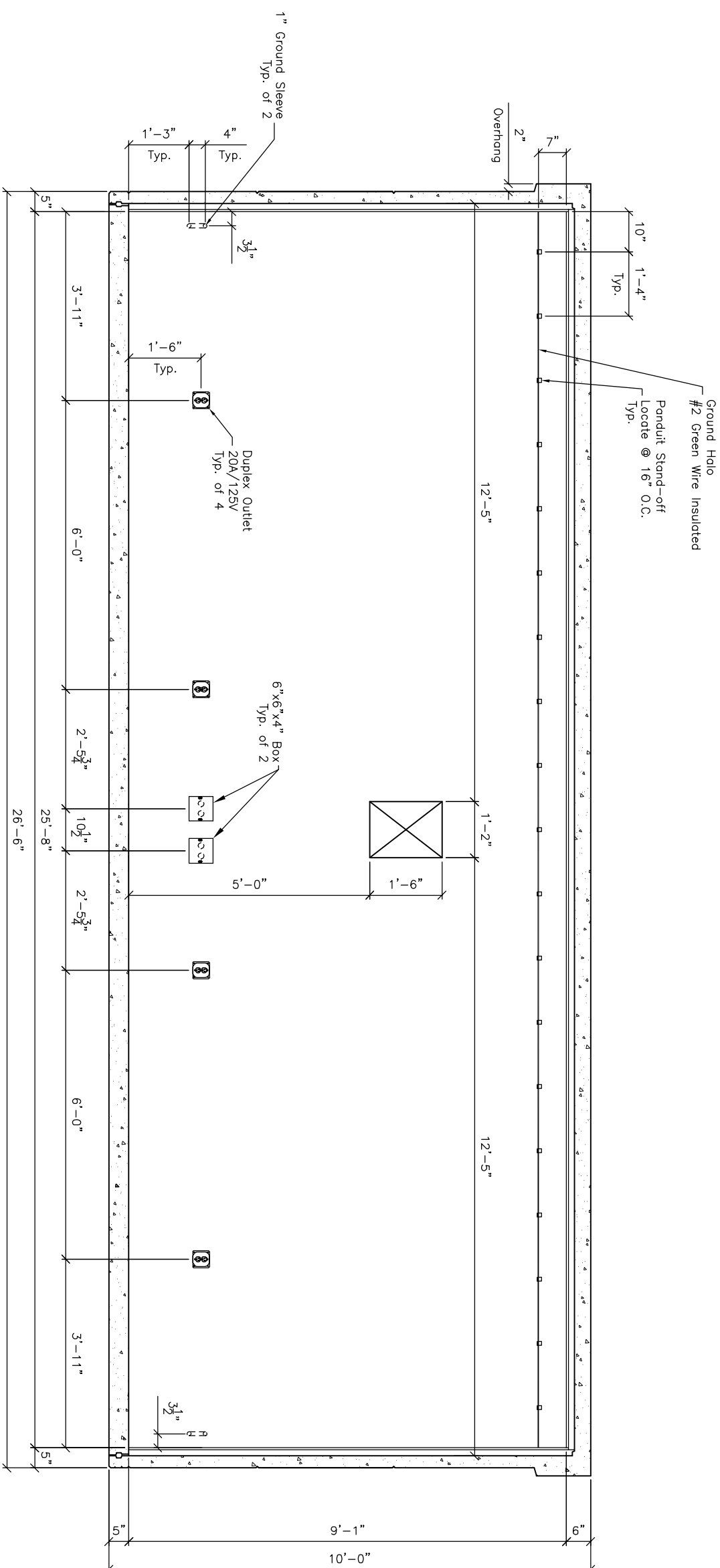
DRAWING NO:	DATE:	
JE	03/19/08	
PROJECT NO:	DATE:	

**TITLE:**  
Precast Concrete Building (Model:1227)  
USA

ORDER NUMBER:  08-4175 - 4	SCALE:  3/8" = 1'-0"	THIRD CODE:  -
BALANCE:  4	WEIGHT:  9	REV:  A


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REV	DESCRIPTION	BY	DATE
B	Added Ground Sleeves	JE	07/30/08

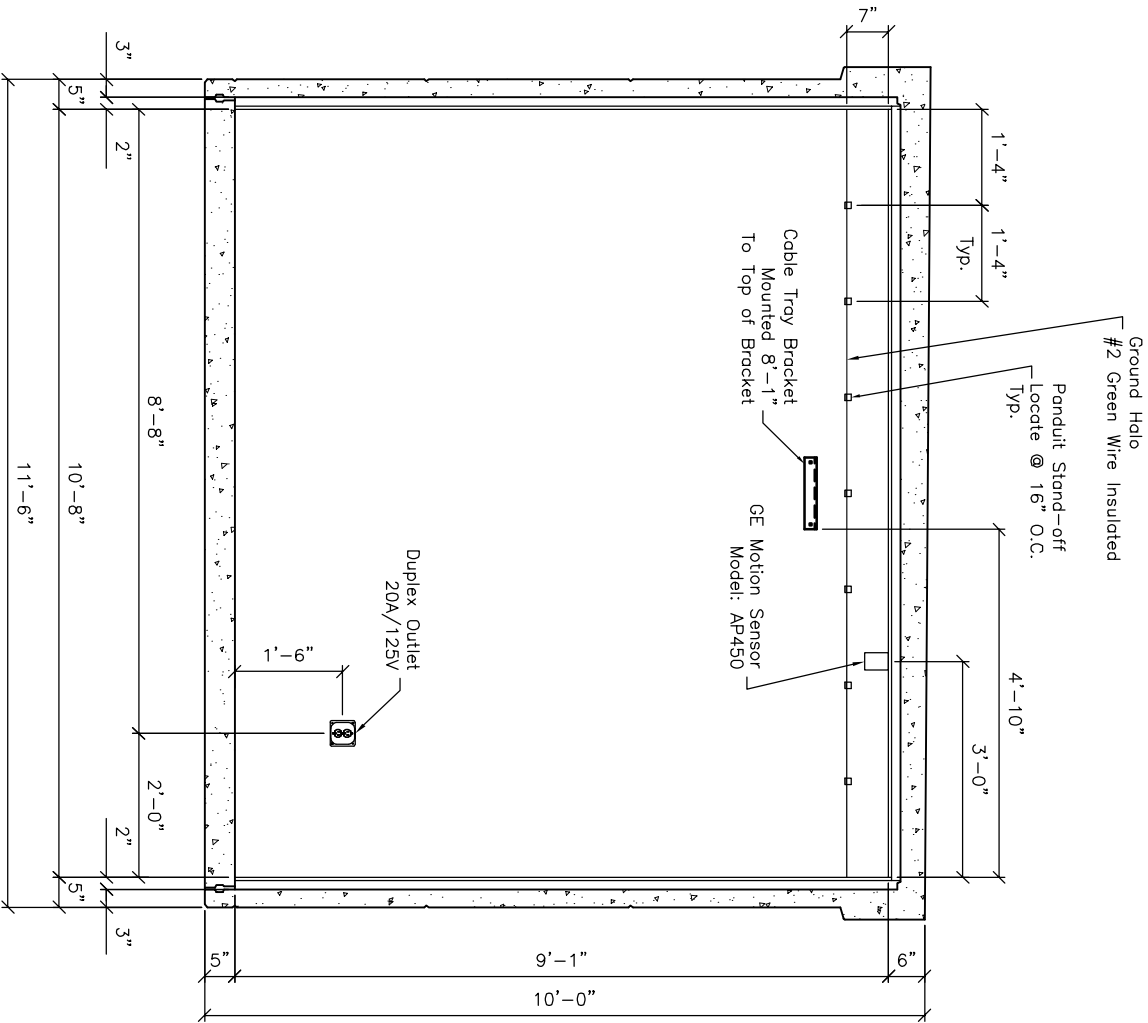


INTERIOR ELEVATION 'A'

**NOTE:**  
RF Paint Applied to Walls, Floor  
& Ceiling Prior to Tile and FRP.


		411 E. Five Rd. Chandler, AZ 85224 Phone: (480) 883-2878 Fax: (480) 888-1837	
DRAWING BY: <b>JE</b>	DATE: <b>03/19/08</b>	TITLE: <b>Precast Concrete Building (Model: 1227)</b>	
CHECKED BY:	DATE:	<b>USDA</b>	
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SCALE: <b>3/8" = 1'-0"</b>		FINISH CODE:	REQ.: <b>B</b>
QUANTITY:		EIGHT:	SIX:
5		9	



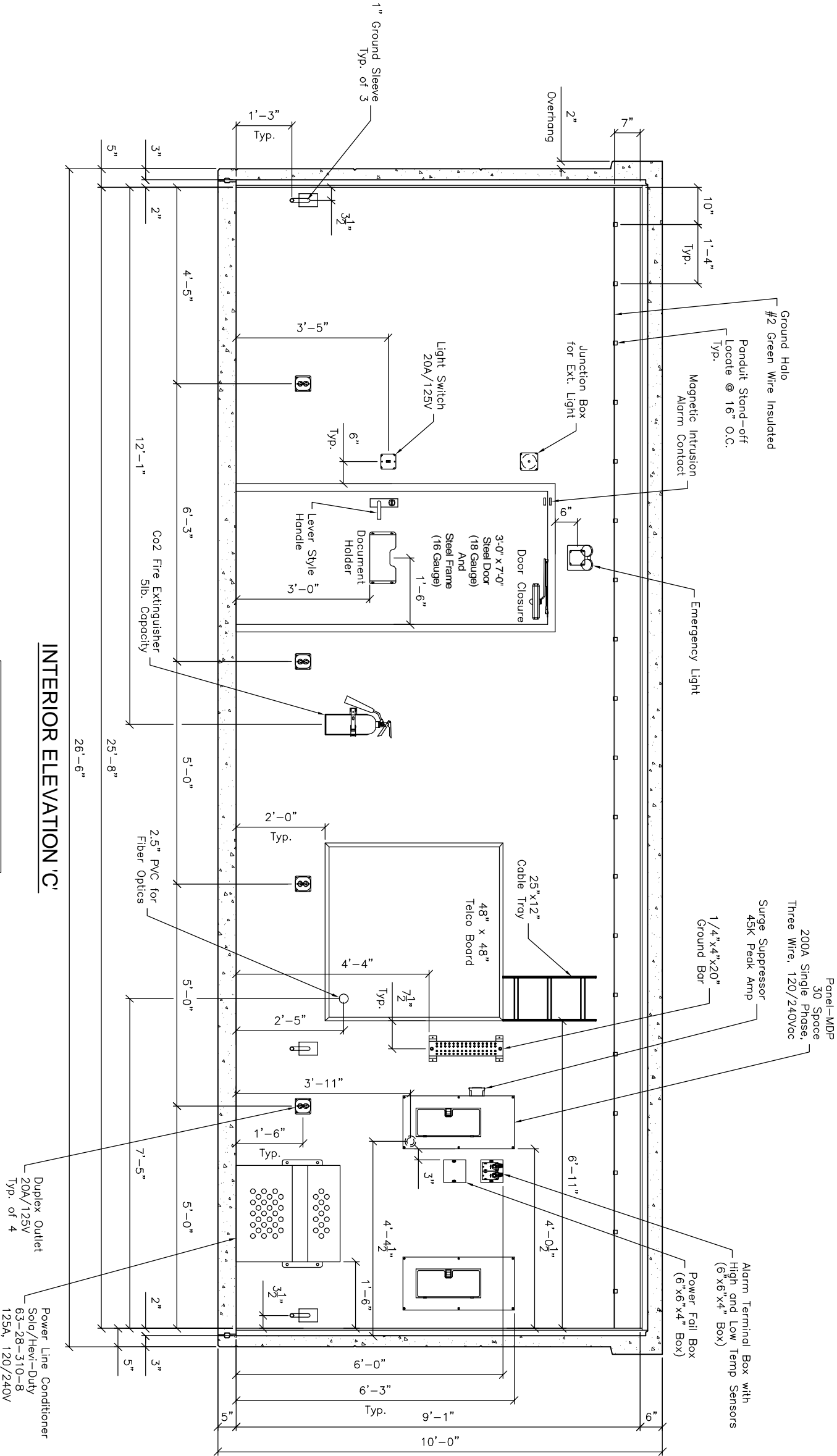


INTERIOR ELEVATION 'B'

NOTE:  
RF Point Applied to Walls, Floor  
& Ceiling Prior to Tile and FRP.


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DRAWN BY: JE	DATE: 03/19/08	TITLE: Precast Concrete Building (Model:1227) USDA			
CHECKED BY:	DATE:				
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SCALE: 3/8" = 1'-0"		TRIM CODE: -	AUTOMATIC 6	SHEET: 6	OF: 9

REV	DESCRIPTION	BY	DATE
B	Added Power Conditioner, Ground Sleeves, Sub Panel	JE	07/30/08

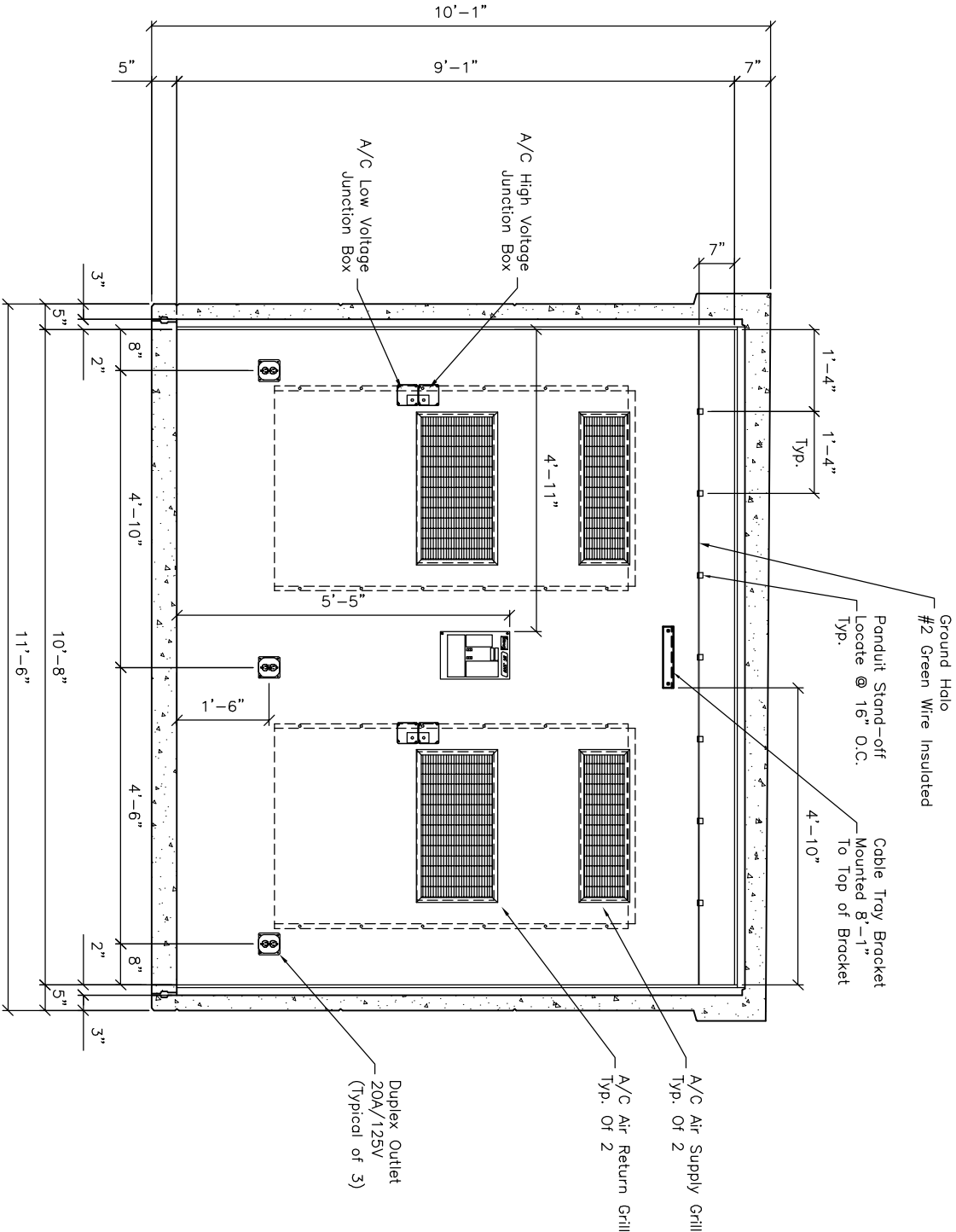


### INTERIOR ELEVATION C

NOTE:  
RF Point Applied to Walls, Floor  
& Ceiling Prior to Tile and FRP.


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Precast Concrete Building (Model:1227)		USDA		REVISIONS	
DRAWING NUMBER		08-4175 - 7		REV. B	
SCALE		3/8" = 1'-0"		SHEET 7 OF 9	
DATE		03/19/08		BY	
CHECKED BY		DATE		BY	

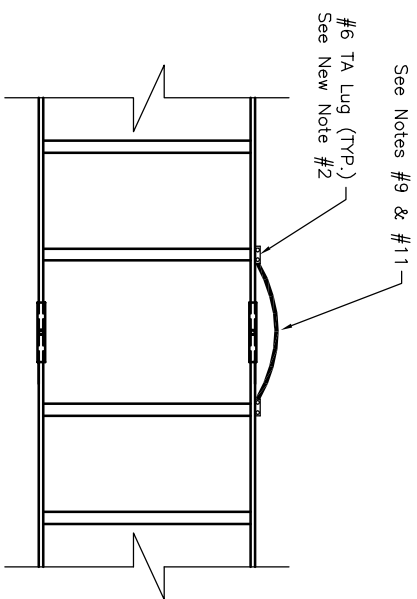
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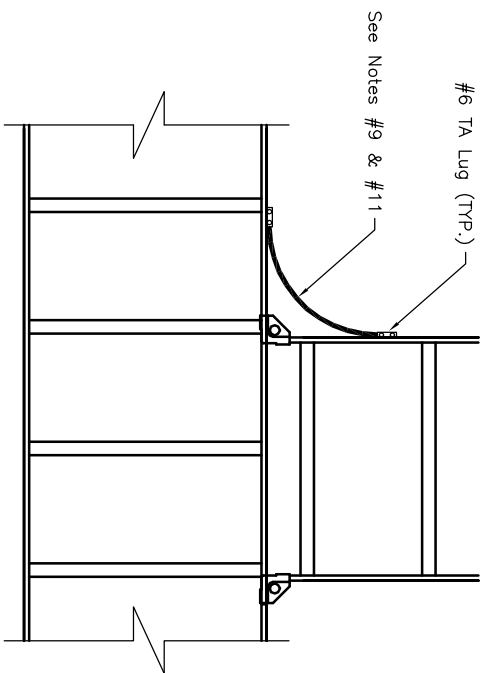
INTERIOR ELEVATION 'D'

NOTE:  
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& Ceiling Prior to Tile and FRP.

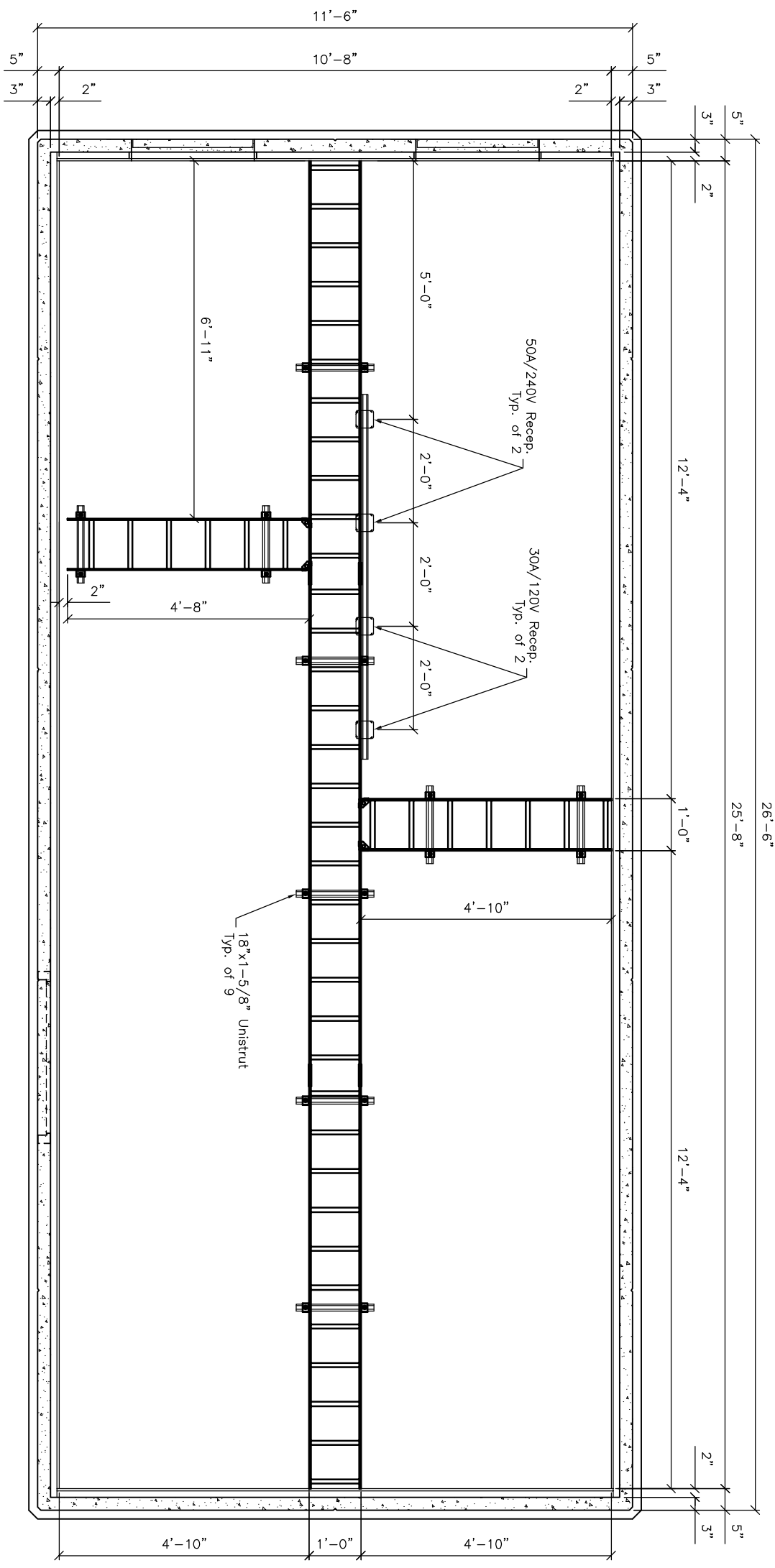
		<b>Oldcastle Precast<sup>®</sup></b> Communications		411 E. Frye Rd Chandler, AZ 85224 Phone: (480) 863-2676 Fax: (480) 869-1937	
DRAWING BY: JE		DATE: 03/19/08		TITLE: Precast Concrete Building (Model: 1227)	
CHECKED BY:		DATE:		DRAWING NUMBER: 08-4175 - 8	
SCALE: 3/8" = 1'-0"		TYP. CODE: -		AUTOMATIC REVISION: 8 of 9	
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## CABLE RACKING BOUNDING AT SPLICES



# CABLE RACKING BOUNDING AT T-JUNCTIONS



## CABLE TRAY LAYOUT

**\*\* 12" Cable Tray Installed Typical @ All Locations \*\***  
**All Cable Tray @ 8'-1" To Bottom**

### Notes:

- 1.) All Cable Ladder Grounding Shall Be Metal-To-Metal Check Continuity from Each Ladder Section To Common Ground.
- 2.) Lugs Shall Be Attached To Ladder With  $1/4"$  Copper Hardware. (See Lug Assembly detail)
- 3.) Not Used
- 4.) Maximum Allowable Gaps:  $1/4"$  At Wall Supports,  $1/8"$  At Splices,  $1/8"$  At Tees
- 5.) All Cut Ends Of Cable Ladder Shall Be Potted Prior To Installation.
- 6.) All Lugs Used Shall Be Copper.
- 7.) See Project Drawings For Specific Wire, Lugs, And Splice Connectors.
- 8.) This Line Intentionally Left Blank.
- 9.) Location/Orientation May Vary.
- 10.) Project Drawing Details Take Precedence When These Details Are In Conflict.
- 11.) All Ground Wires From Cable Ladder To Have  $6"$  Minimum Radius.
- 12.) All Connections Shall Be Made Tight. Where Where Helical Lock Washers Are Used They Shall Be Flattened "Rattling" Components Indicate Unacceptable Connections.
- 13.) Where Lock washers Are Not Required, They May Be Added At Installers Discretion.
- 14.) Cable Ladder Stringer And Rungs May Be Either Tubular, Solid Bar Or Channel Shape In Cross Section. Refer To Project Drawings For Specific Type Used.

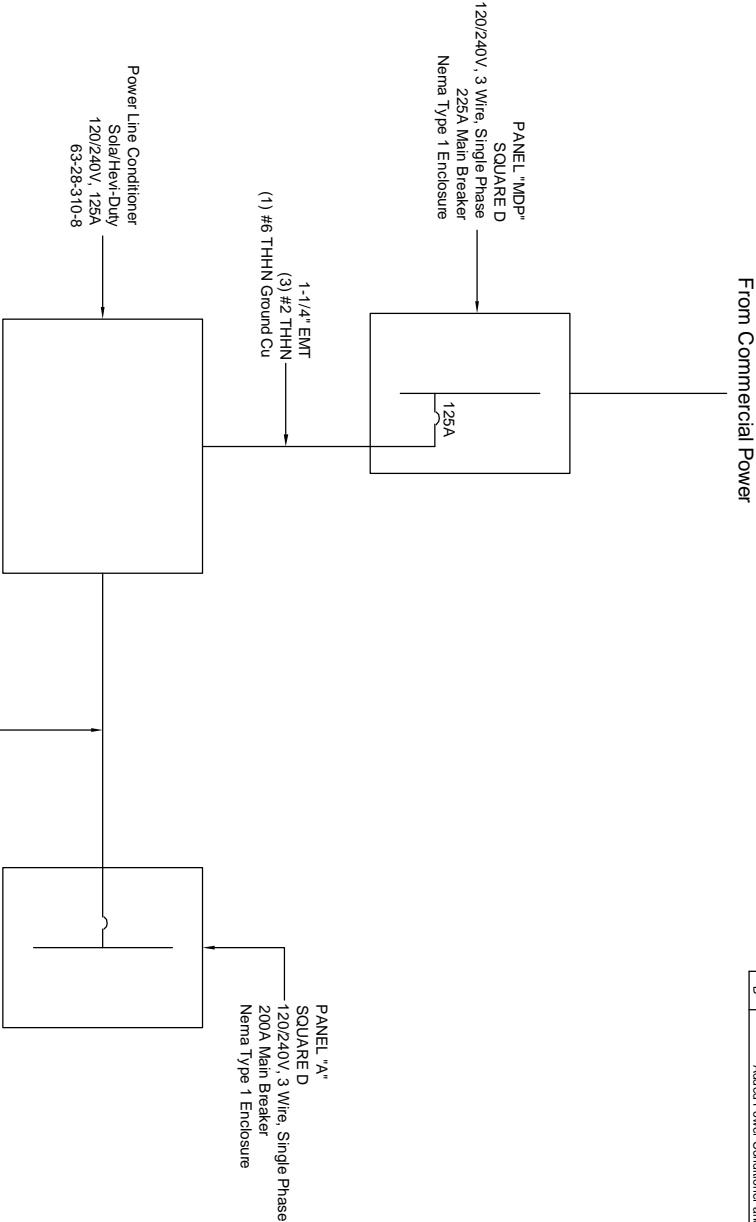
REV	DESCRIPTION	BY	DATE
B	Added Power Conditioner and Sub-Panel	JE	07/30/08

PANEL:	MDP	LOCATION: INTERIOR ELEVATION 'C'	MAINS:	200A			
ENCLOSURE NEMA 1		FED FROM: COMMERCIAL POWER	VOLTAGE	120/240			
MOUNTING: SURFACE			MC	10K			
CKT	V/A	BRKR	PHASE	BRKR	V/A	CHILLING/HEATING	CKT
1	POWER FALL	20	A A	200/1	85/7	CHILLING/HEATING	2
3		2	B B	200/1	720	CHILLING/HEATING	4
6	A/C UNIT #1	35	A A	150/1	360	SUMMER REFRIGERATION	6
7		2	H H	150/1	180	EXHAUST FAN	8
9	A/C UNIT #2	35	A A	150/1	12	EMERGENCY LIGHT	10
11		2	B B	200/1	720	DUPLEX OUTLETS	12
13	POWER LINE COND.	125	A A				14
15		2	B B				16
17			A A				18
18			B B				20
21			A A				22
23			H H				24
25			A A				26
27			B B				28
29			A A				30
	KVA	1 PHASE TOTALS	V/A		AMPS		
TOTAL CONNECTED	17,529	A-N	7989		68.5/79		
		B-N	9540		79.5		

## PANEL SCHEDULE AND ELECTRICAL LOAD CALCULATIONS

PANEL: A		LOCATION: INTERIOR ELEVATION 'A'		MAINS: 200A				
ENCLOSURE NEMA 1		FED FROM: POWER LINE CONDITIONER		VOLTAGE 120/240				
MOUNTING: SURFACE				WITHSTAND 10K A/C				
CKT		V/A	BRKR	PHASE	BRKR	V/A	TX PV2 OUTLET	CKT
1	TX PV1 OUTLET	1200	500/2	A A	500/2	1200		2
3		1200		D D		1200		4
5	CPU RX EXCITER OUTLET	720	300/1	A A	300/1	720	CPU RC OUTLET	6
7				D D				8
9				A A				10
11				H H				12
13				A A				14
15				B B				16
17				A A				18
19				B B				20
21				A A				22
23				B B				24
25				A A				26
27				B B				28
29				A A				30
KVA		1 PHASE TOTALS		V/A	AMPS			
TOTAL CONNECTED		3.84	A-N	1440		12		
		B-N		2400		20		

## PANEL SCHEDULE AND ELECTRICAL LOAD CALCULATIONS



## ONE LINE DIAGRAM


Alarm Terminal Box	
1	Intrusion
2	
3	Smoke
4	
5	Power Failure
6	
7	High Temperature (On At 95°)
8	
9	Low Temperature (On At 55°)
10	

AIR CONDITIONER (BARD WA37A05XPXXXJ)	
LOADS	230/208 - 1 PHASE
COMPRESSOR (RATED LOAD AMPS)	16.5/17.3
FAN MOTOR - AMPS	1.5
BLOWER MOTOR - AMPS	2.2
TOTAL AMPS	19.4/20.7

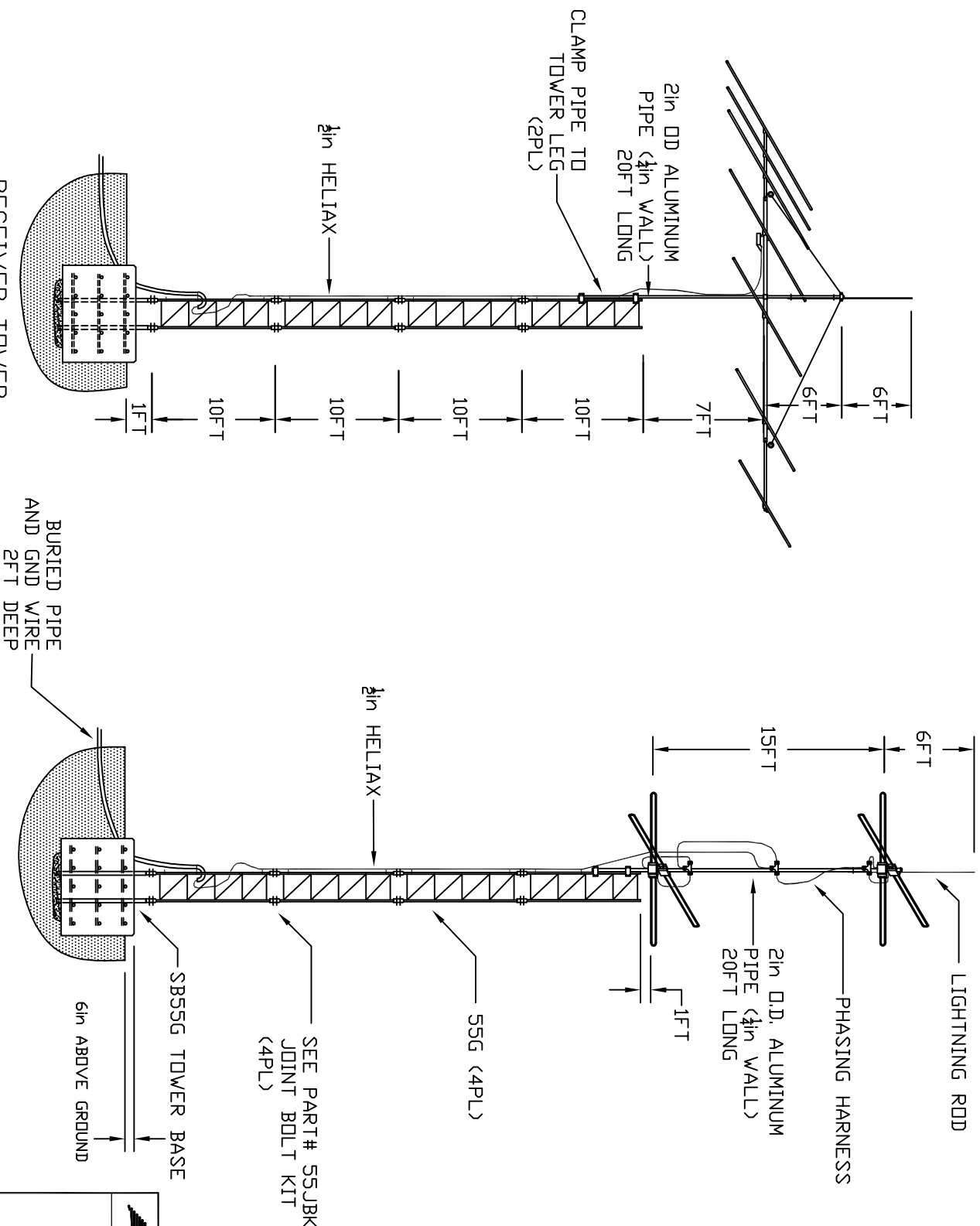
HEATER KW	5/3.75
VOLTS	240/208 - 1 PHASE
HEATER AMPS	20.8/18.0

## ALARM TERMINAL BOX LANDING POINTS

## AIR CONDITIONER SPECIFICATIONS

		411 E. Faye Rd Chandler, AZ 85224 Phone: (480) 963-2676 Fax: (480) 899-1937	
Precast Concrete Building (Model:1227)			
DATE: 03/19/08	DATE:	DATE:	DATE:
DRAWN BY: JE	DATE:	DATE:	DATE:
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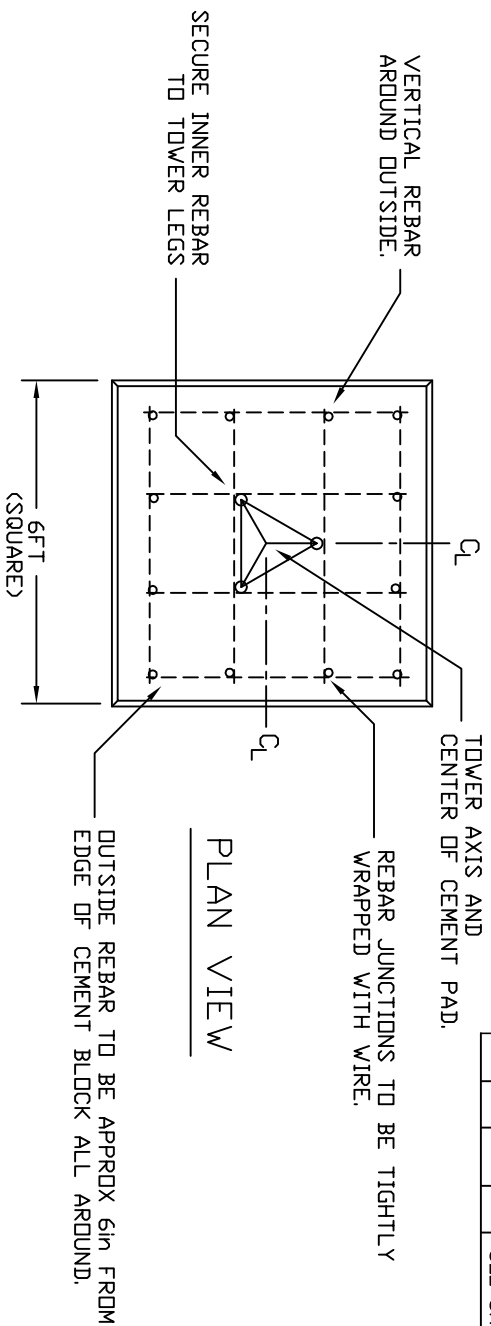
REVISIONS					DATE	APRVD
REV	SHT	ZONE	ITEM	DESCRIPTION		
				SEE SHEET 1		



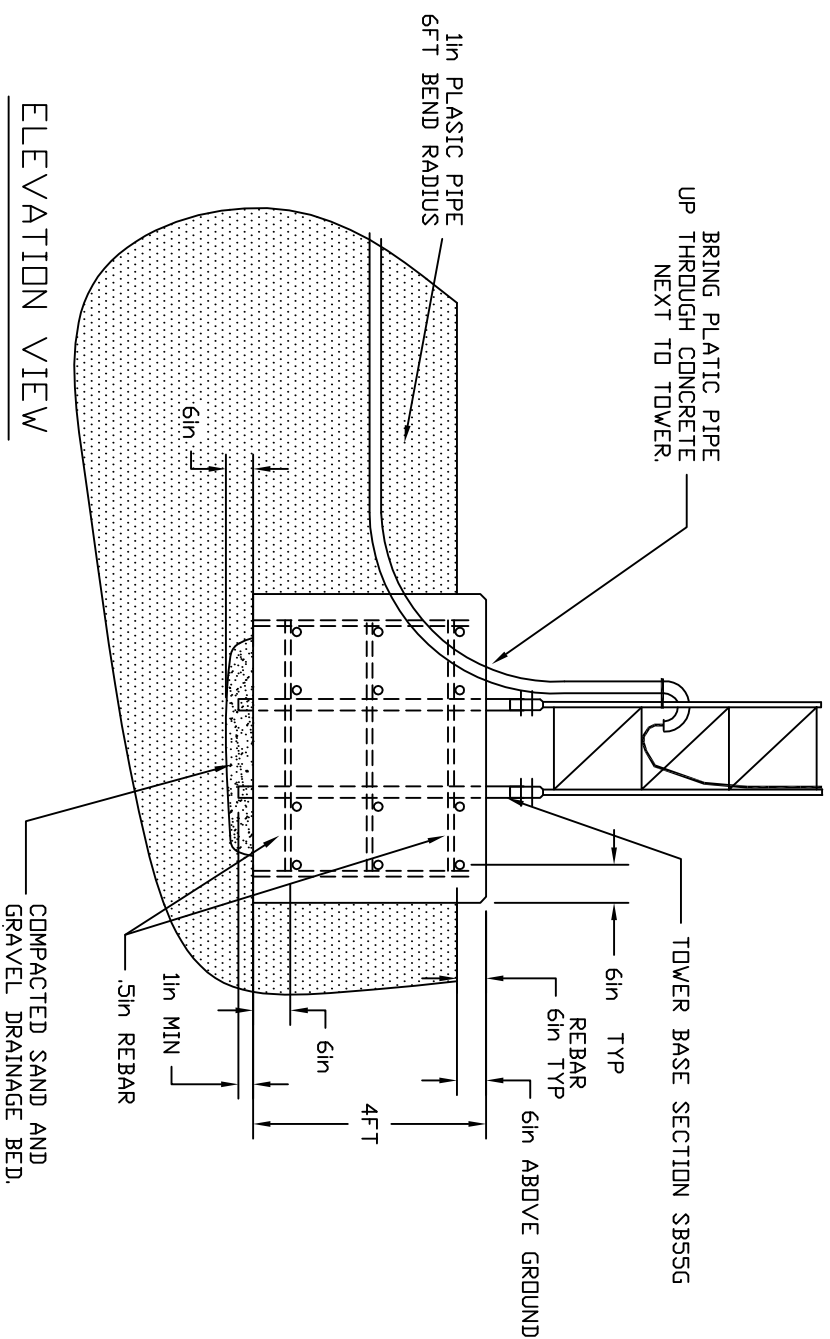
METEOR COMMUNICATIONS CORPORATION  
 NRCS DUGWAY  
 MASTER STATION  
 TOWER ASSEMBLY

SIZE	FSM QAE NO	11000100	REV
67022		A	
SCALE NONE	SHEET 2 OF 11		

REVISIONS					DESCRIPTION	DATE	APPROV
REV	SHT	ZONE	ITEM				
					SEE SHEET 1		



PLAN VIEW



ELEVATION VIEW

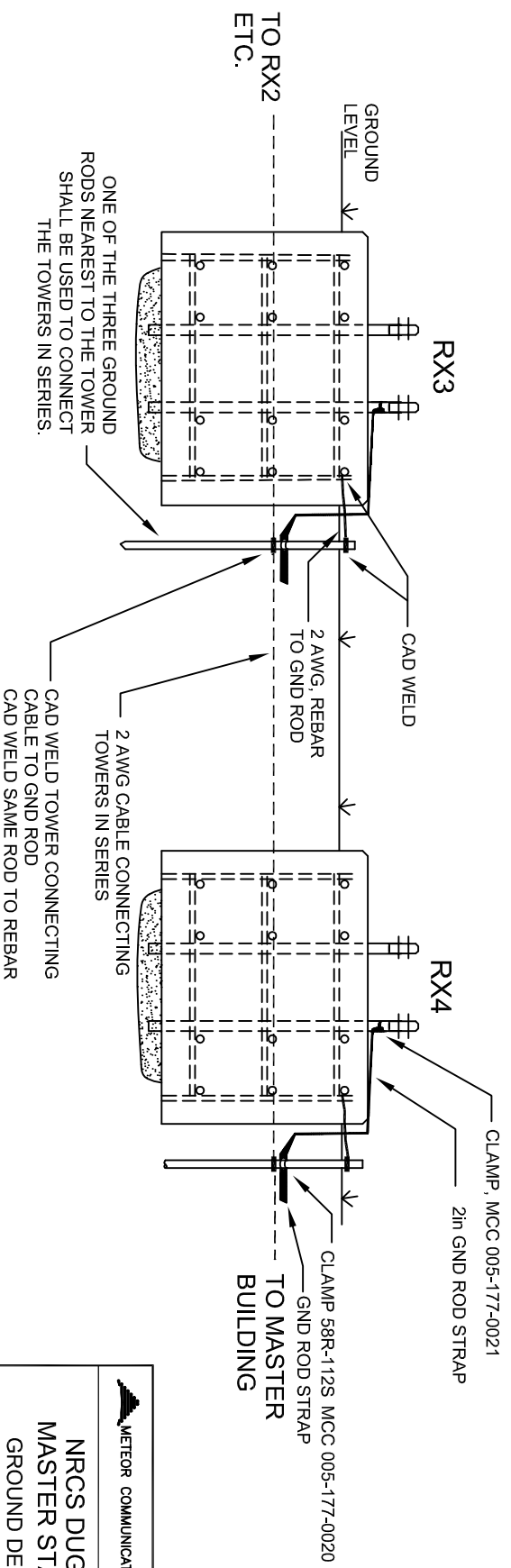
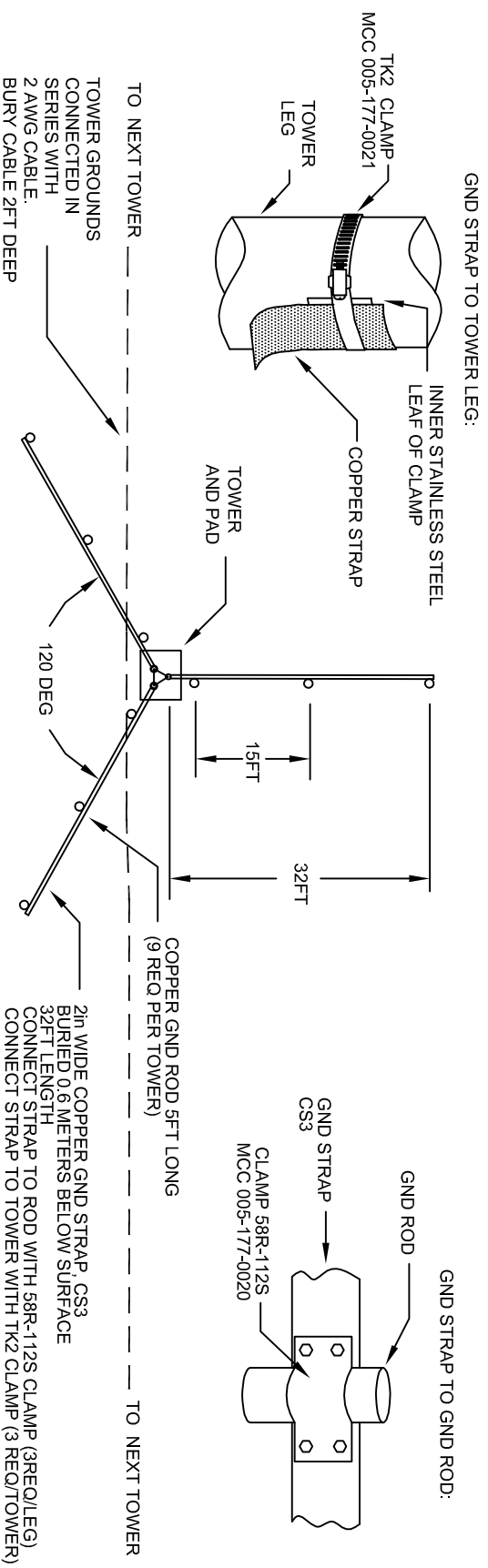
CONCRETE: 4000 PSI  
( 4.5 SACKS PER CU YD )  
REBAR: #4 (5in)  
GND WIRE: 2AWG STRANDED  
COPPER



NRCS DUGWAY  
MASTER STATION  
TOWER FOUNDATION DETAILS

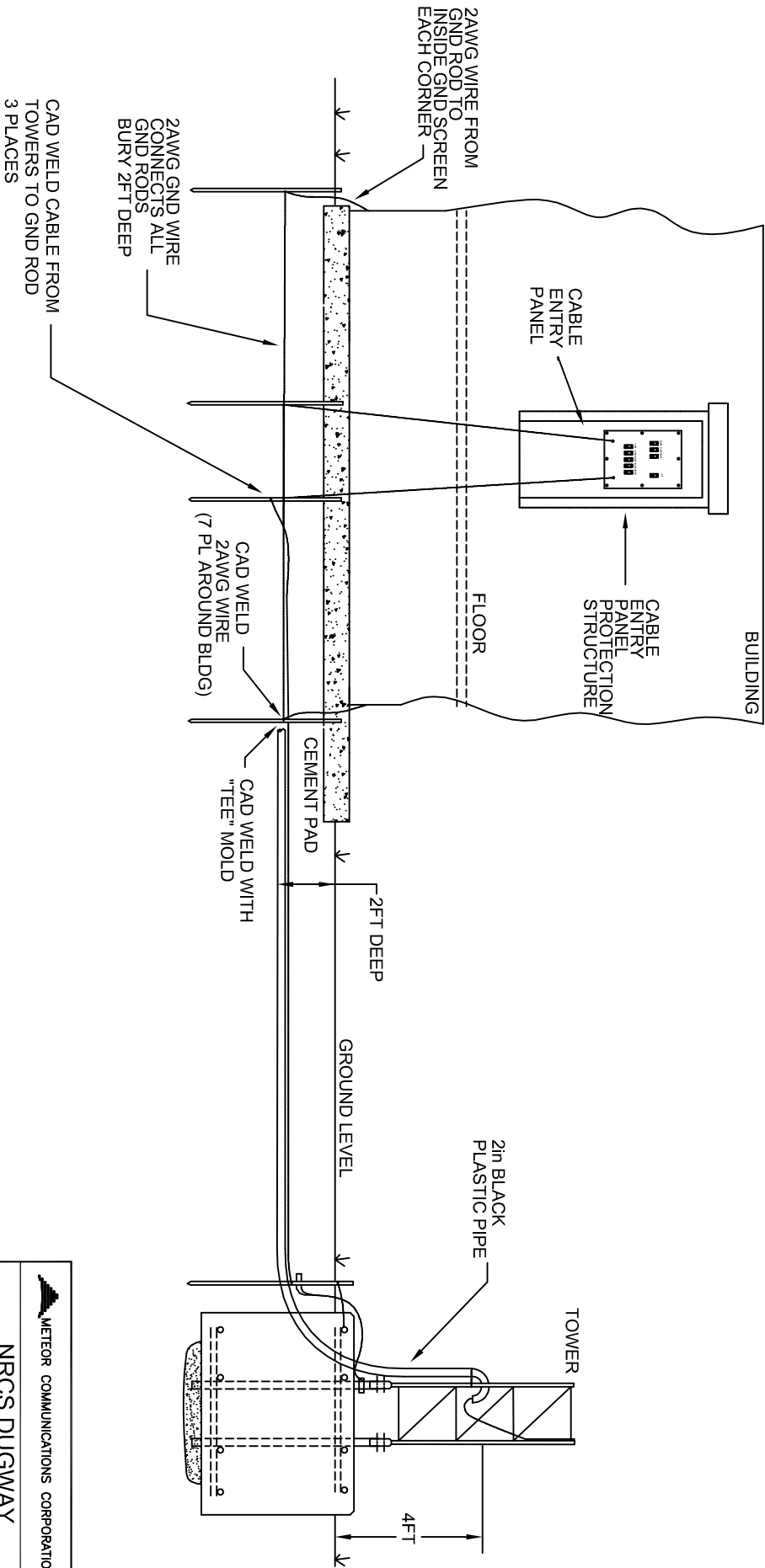
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67022		A	
SCALE NONE		SHEET 5 OF 11	

REVISIONS						
REV	SHT	ZONE	ITEM	DESCRIPTION	DATE	APRVD
				SEE SHEET 1		



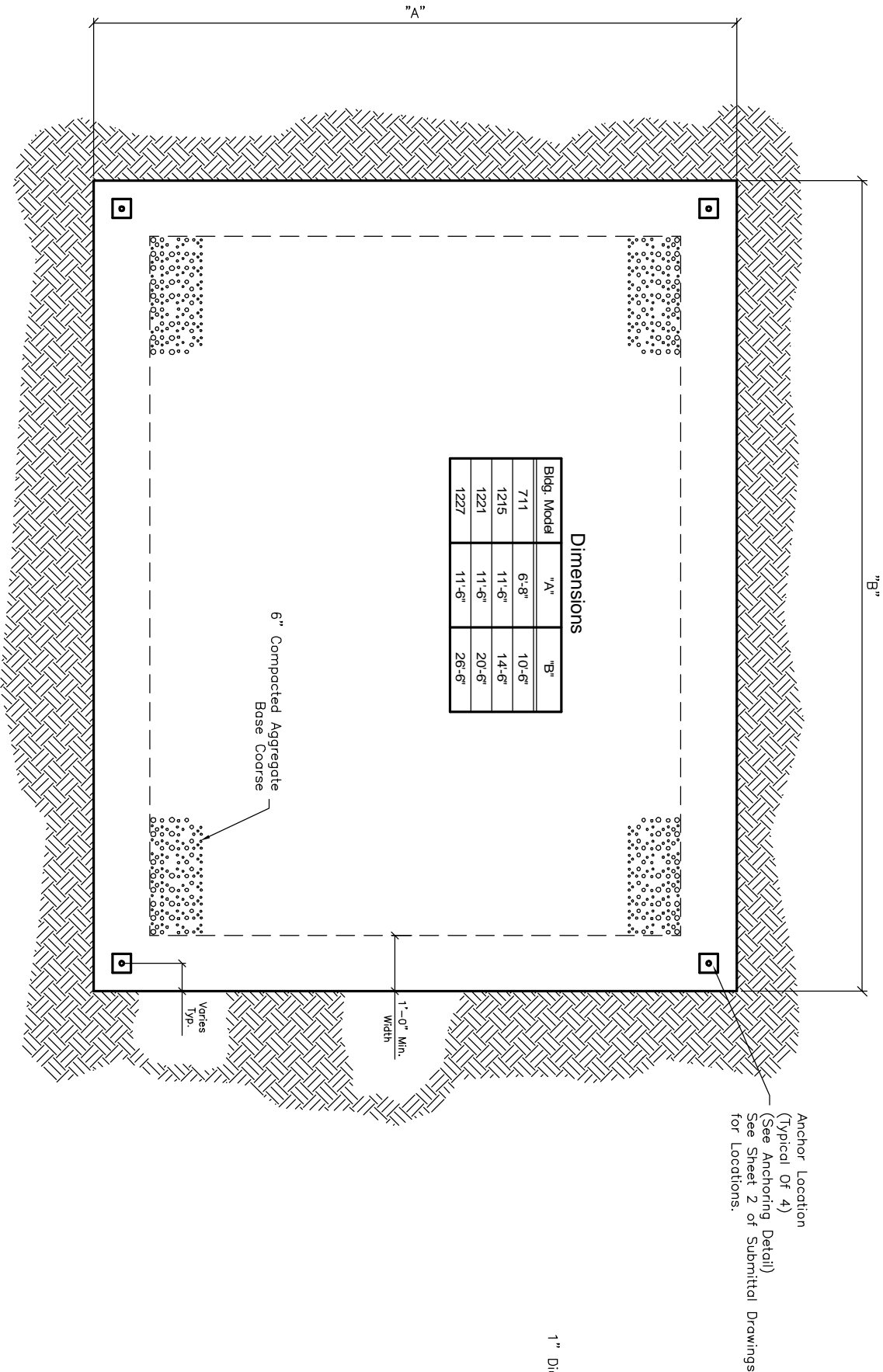


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									SEE SHEET 1		

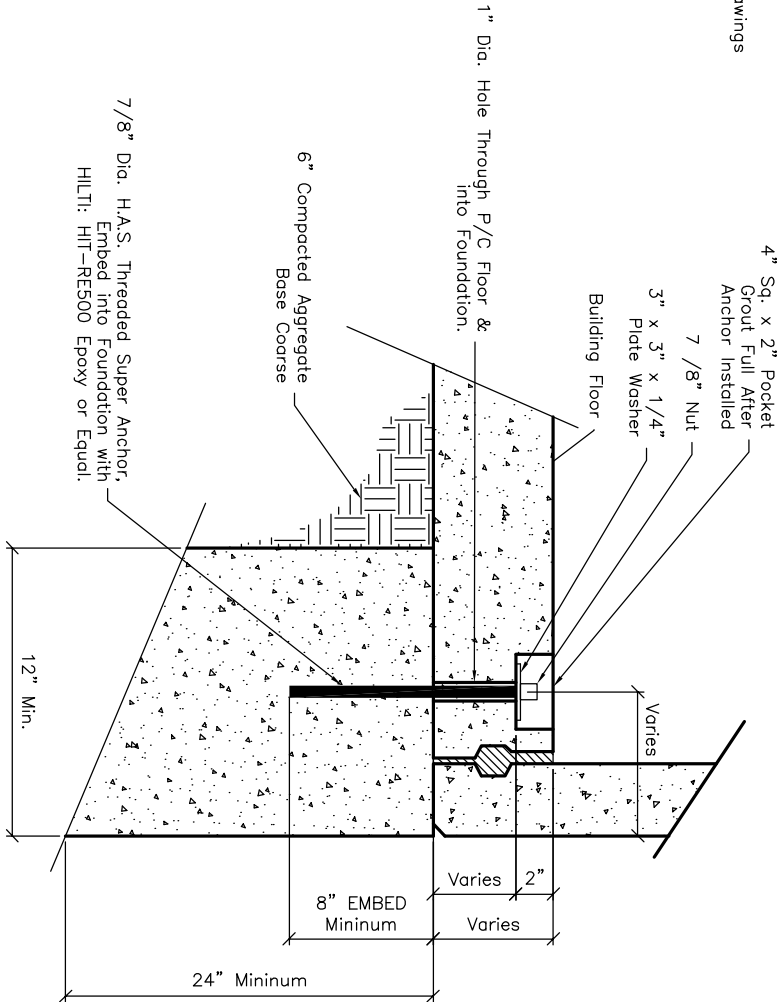


**METEOR COMMUNICATIONS CORPORATION**  
**NRCS DUGWAY**  
**MASTER STATION**  
**GROUND DETAILS,**  
**BUILDING EXTERIOR,**

SIZE	FSM DATE NO	11000100	REV
67022			A
SCALE NONE		SHEET 7 OF 11	



Foundation Detail Plan View



Anchoring Detail

NOTE:

Foundation to be designed and installed by others to conform to all applicable building codes and existing field conditions. Top surface of foundation to be level within 1/4" tolerance.

OLDCASTLE

Precast®

UNIVERSITY

Vault™

Division

411 E. Frya Rd.  
Chandler, AZ 85244  
Phone: (480) 963-2076  
Fax: (480) 899-1937

Drawn By  
RL

Date  
4/25/2007

Title  
Precast Concrete Building  
Foundation Details

Scale  
NTS

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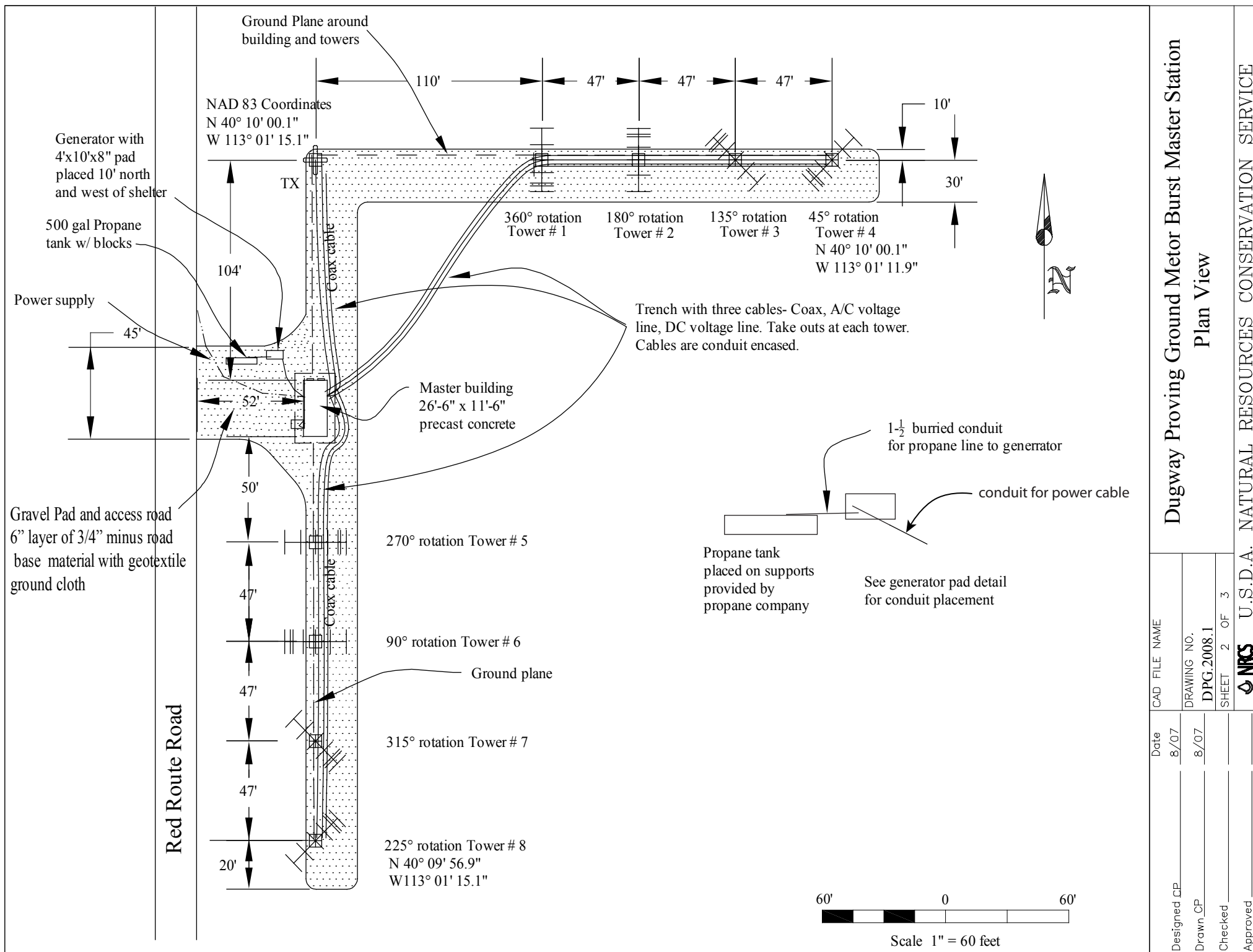
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Scale  
NTS

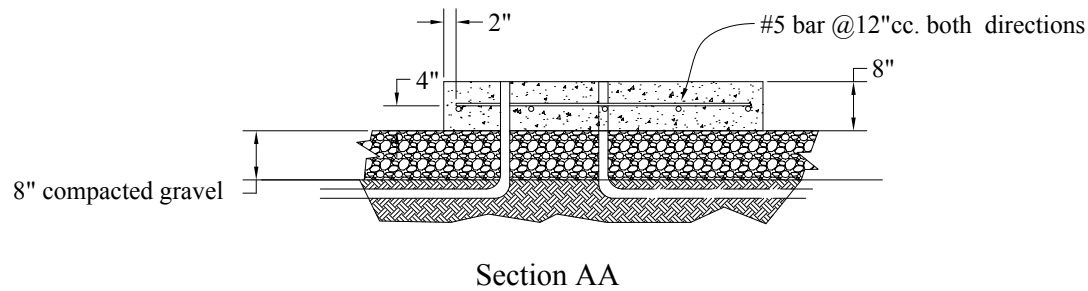
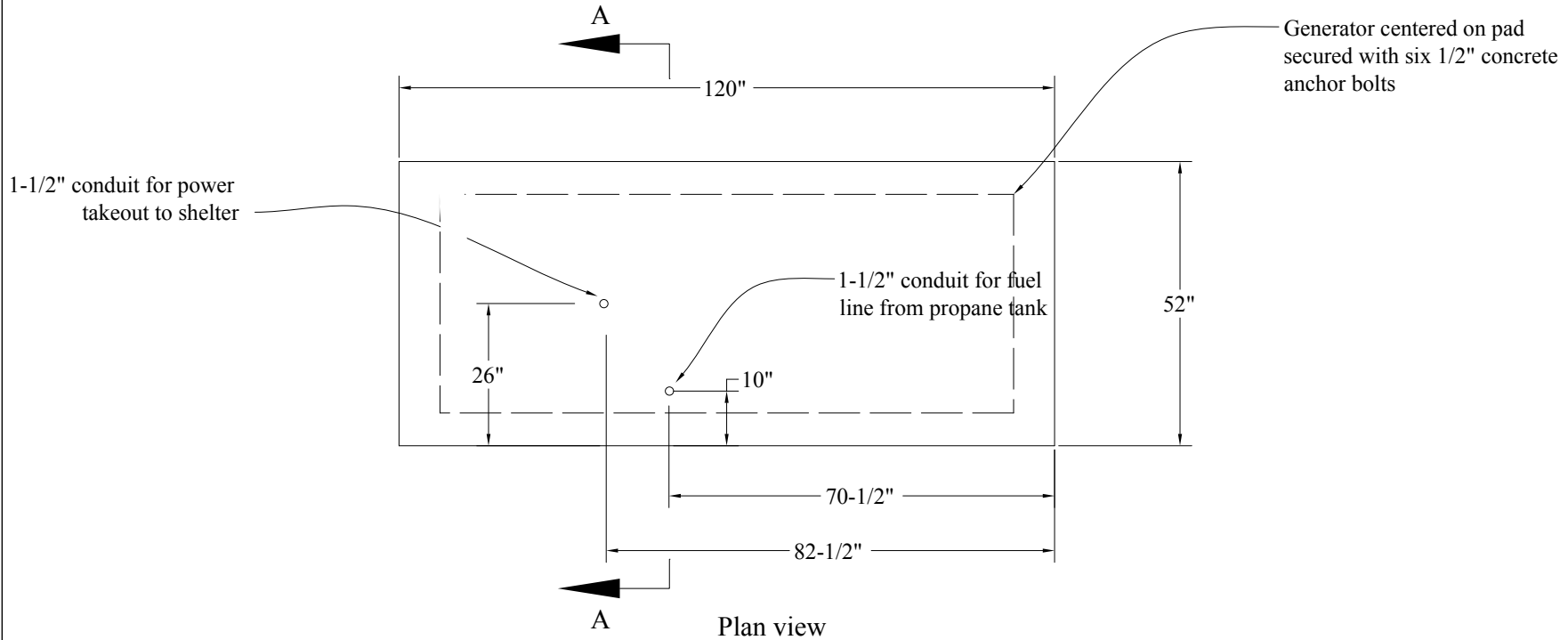
1" = 8'-0"

1" = 8'-0"

1" = 8'-0"



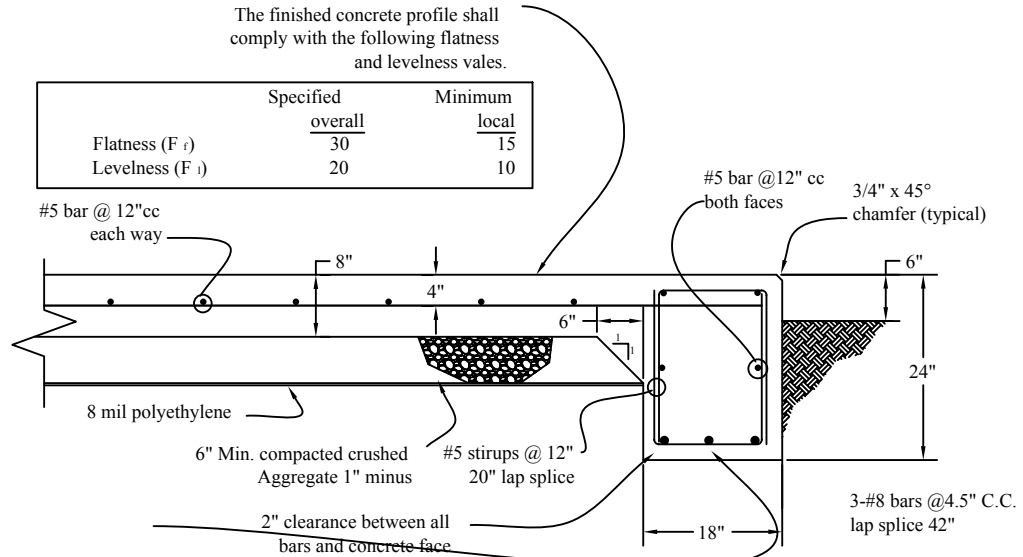
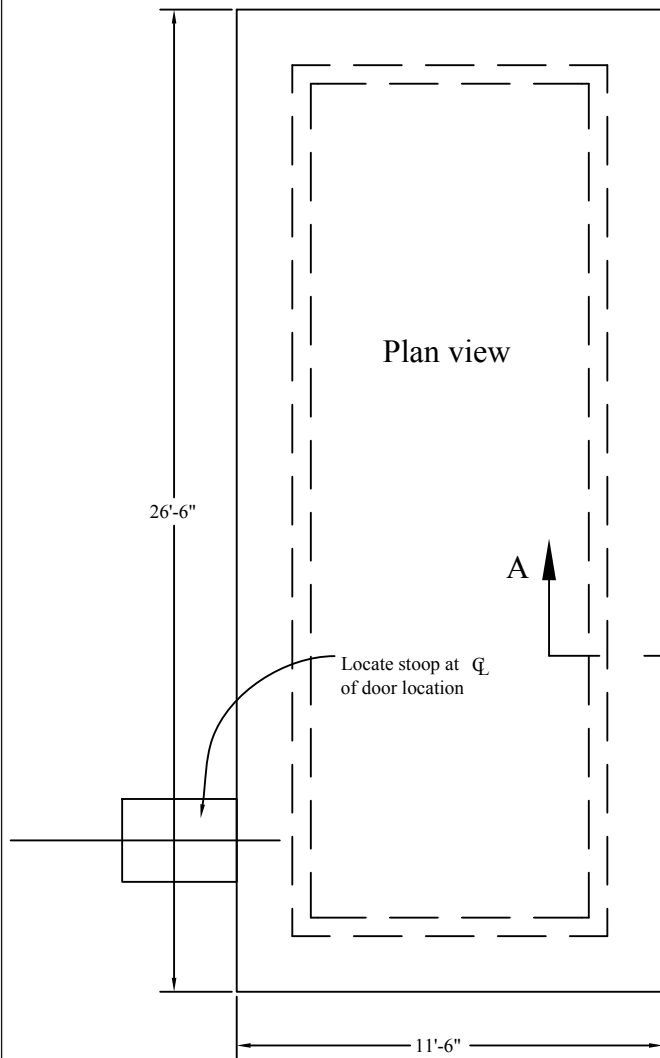
Dugway Proving Ground Meteor Burst Master Station			
Plan View			
CAD FILE NAME	Date	Designed CP	8/07
DRAWING NO.	8/07	Drawn CP	8/07
DPG.2008.1		Checked	
SHEET 2 OF 3		Approved	
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE			
NRS			



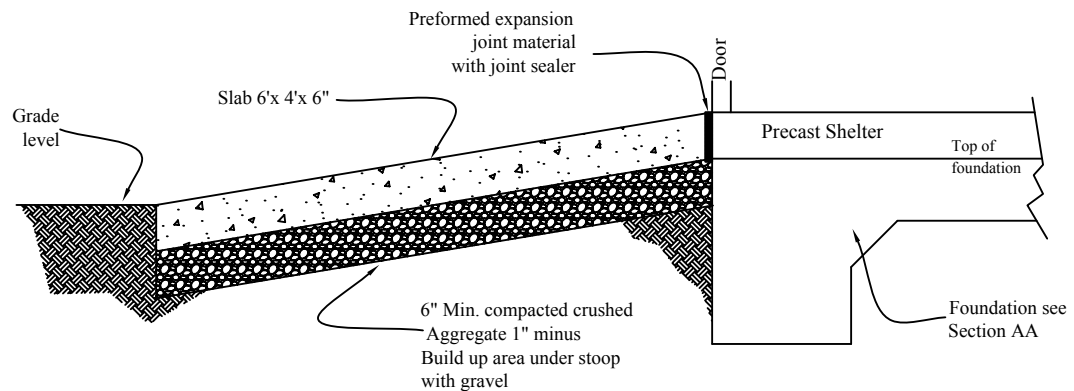
# Dugway Proving Ground Motor Burst Master Station

## Generator Pad Detail

Designed CP	Date	CAD FILE NAME	
Drawn CP	8/07	DRAWING NO.	
Checked	8/07	DPG.2008.1	
Approved		SHEET 4 OF 4	
		U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE	



Section AA



Stoop Detail

1. Materials

1.1 Concrete be installed in accordance with the ACI-318 Building Code Requirements for Reinforced Concrete. Concrete shall be minimum of 4000 psi strength made using a 6 bag mix with 20% fly Ash, type V cement and no greater than 3% air entrainment.

1.2 All reinforcing bars shall be epoxy coated and conform to ASTM-A775 and D3963. The rebar shall be detailed in accordance with ASTM D3963 and ACI-318

1.3 All reinforcing bars shall be continuous around corners

Dugway Proving Ground Meteor Burst Master Station

Foundation Detail

Designed	CP	Date	8/07	CAD FILE NAME
Drawn	CP		8/07	DRAWING NO.
Checked				DPG.2008.1
Approved				SHEET 3 OF 3