

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 1
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 09/06/2023	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY USDA FPAC Business Center Western Section FPAC-HQ-12FPC3@usda.gov	CODE FPAC-HQ-12FPC3	7. ADMINISTERED BY (If other than Item 6)	CODE
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

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. 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 <i>(Signature of person authorized to sign)</i>	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA <i>(Signature of Contracting Officer)</i>	16C. DATE SIGNED

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



Oldcastle Precast Communications

Plant Location: Chandler, Arizona

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

Internet Site: www.oldcastlecomm.com

Utah State Requirements:

Design Loads: Roof Snow Load: 65PSF
 Floor Live Load: 250PSF
 Wind Load: 140 MPH, Exp. "C"
 Seismic: Category C

Design Code: Building Code: 2003 International Building Code
 Electrical Code: 2005 National Electrical Code
 Energy Code: 2003 IECC
 Concrete Building Code: ACI 318-02 Building Code
 Mechanical Code: 2003 IMC

Specifications: Building Height: 10'-1"
 Building Width: 11'-6"
 Building Length: 26'-6"
 Building Area: 273 Sq. Ft.

Materials: Concrete: F'C = 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 bear 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-ET: Electrical

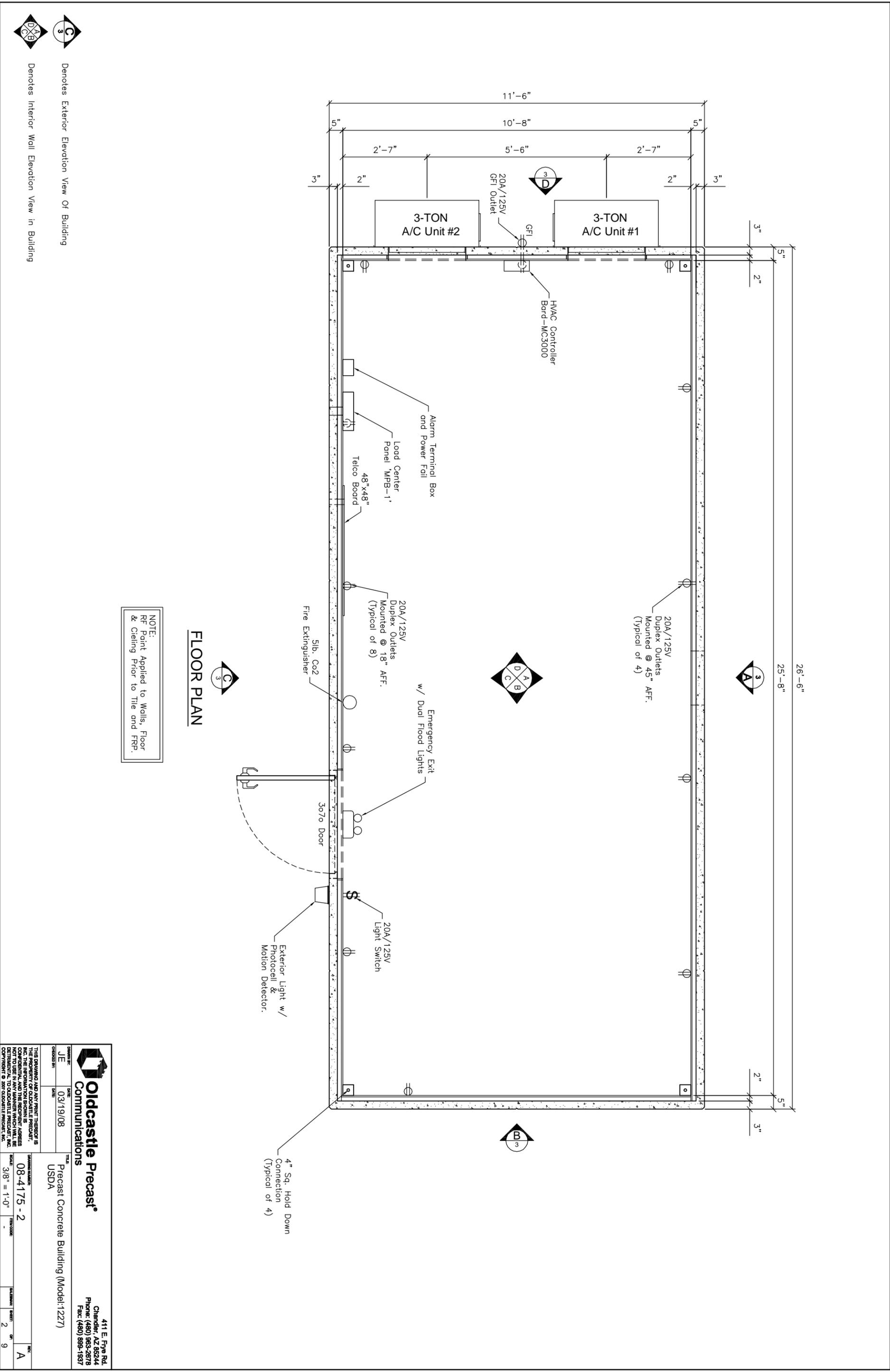
Exterior Finish Specifications:

- Building Finish: Charter Strip 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:
 - Framing Material: 2 x 3 Wood Studs
 - Insulation Material: 1-1/2" Rigid Insulation
 - Finish Material: FFP (1-1/2" Fiberboard Substrate)
 - Insulation: Walls (1-1/2") = R11 and Ceiling (1-1/2") = R11
- Floor Finish: Bare Concrete

		411 E. Pine Rd. Chandler, AZ 85224 Phone: (480) 963-2676 Fax: (480) 899-1937	
		Precast Concrete Building (Model:1227) USDA	
DRAWN BY: JE CHECKED BY:	DATE: 03/19/08	DRAWING NUMBER: 08-4175 - 1	TITLE: Precast Concrete Building (Model:1227)
THIS DRAWING AND ANY PRINT THEREOF IS THE PROPERTY OF OLDCASTLE PRECAST, INC. THE INFORMATION SHOWN IS ASSUMED TO BE CORRECT AND COMPLETE. IT IS NOT TO BE USED IN ANY MANNER WHICH WILL BE DETRIMENTAL TO OLDCASTLE PRECAST, INC. COPYRIGHT © 2007 OLDCASTLE PRECAST, INC.		SCALE: 3/8" = 1'-0"	SHEET: 1 OF 9



FLOOR PLAN

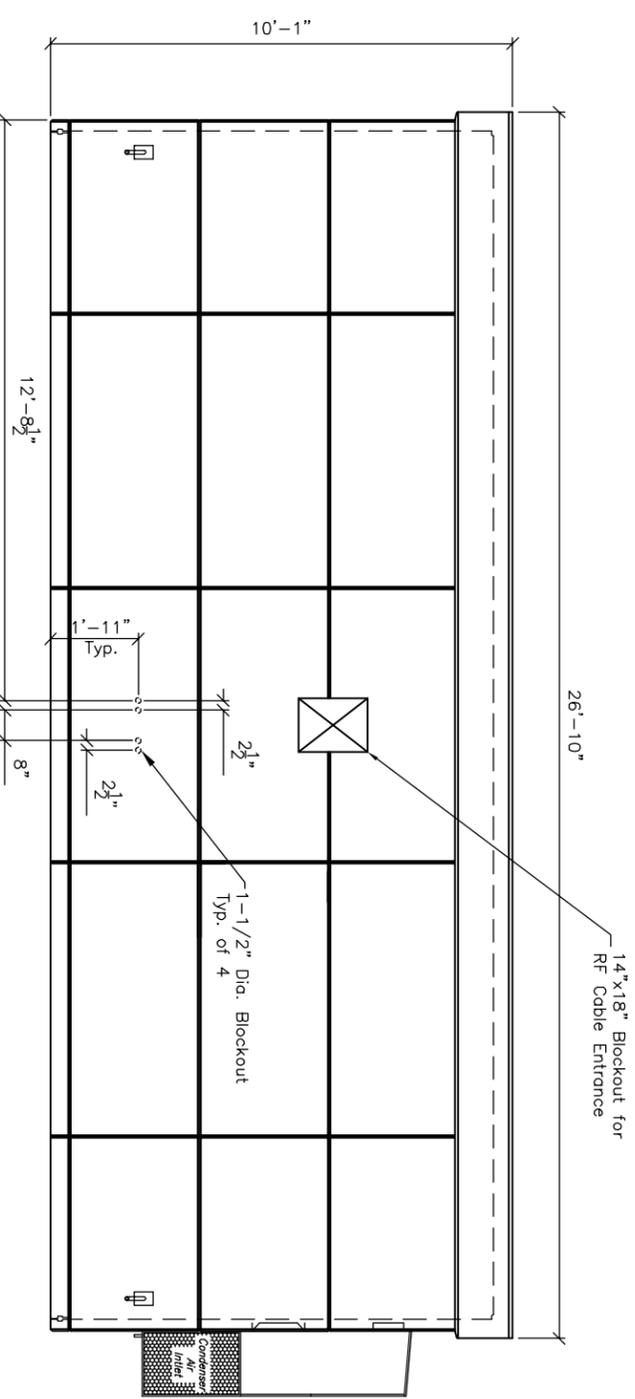
NOTE:
 RF Paint Applied to Walls, Floor
 & Ceiling Prior to Tile and FRP.

Denotes Exterior Elevation View Of Building

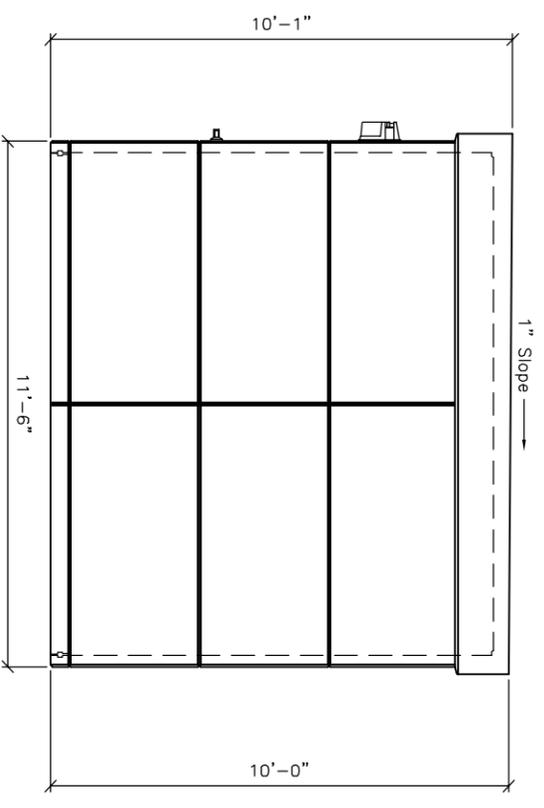
Denotes Interior Wall Elevation View in Building

		Oldcastle Precast® Communications		411 E. Fyne Rd Chandler, AZ 85224 Phone: (480) 963-2676 Fax: (480) 899-1937	
DRAWING NO: 08-4175 - 2	TITLE: Precast Concrete Building (Model: 1227)	DATE: 03/19/08	DESIGNER: JE	CHECKED BY: JE	SCALE: 3/8" = 1'-0"
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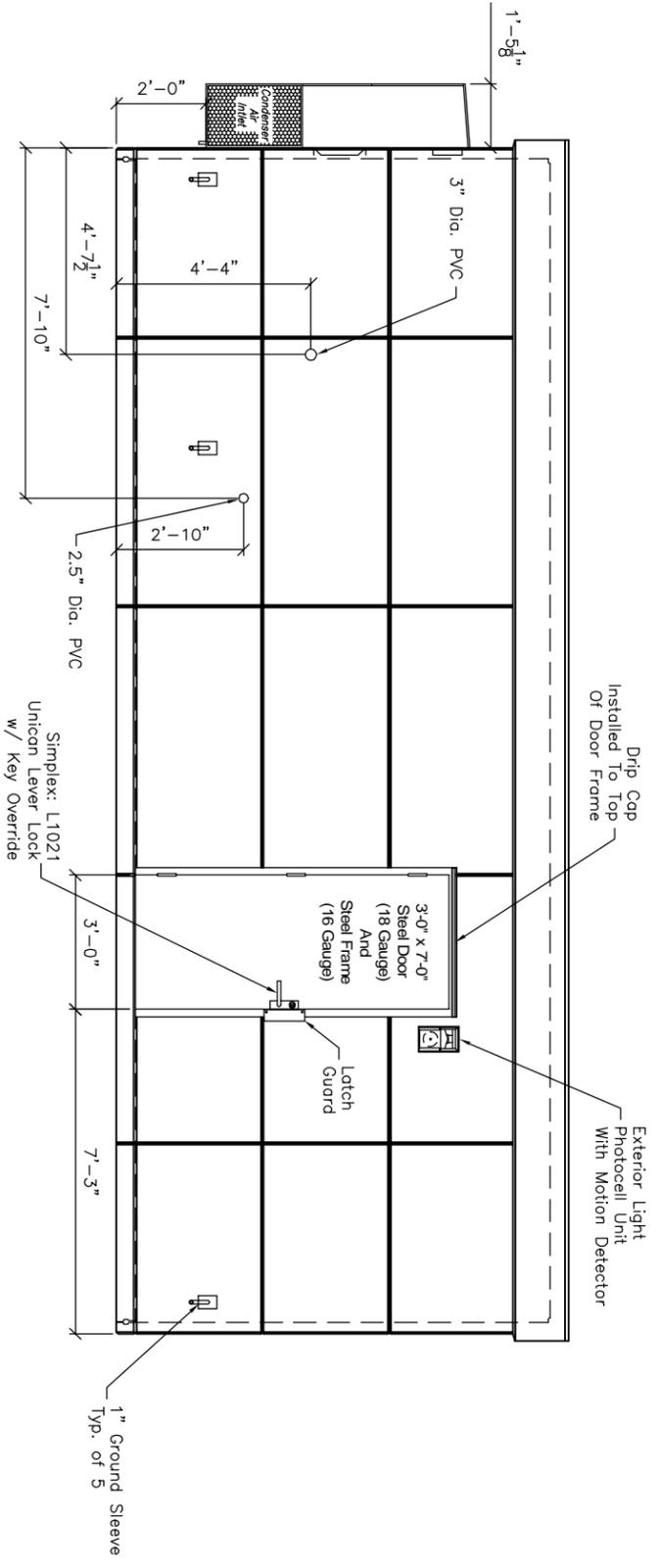
REV	DESCRIPTION	BY	DATE
B	Added Ground Sleeves	JE	07/30/08



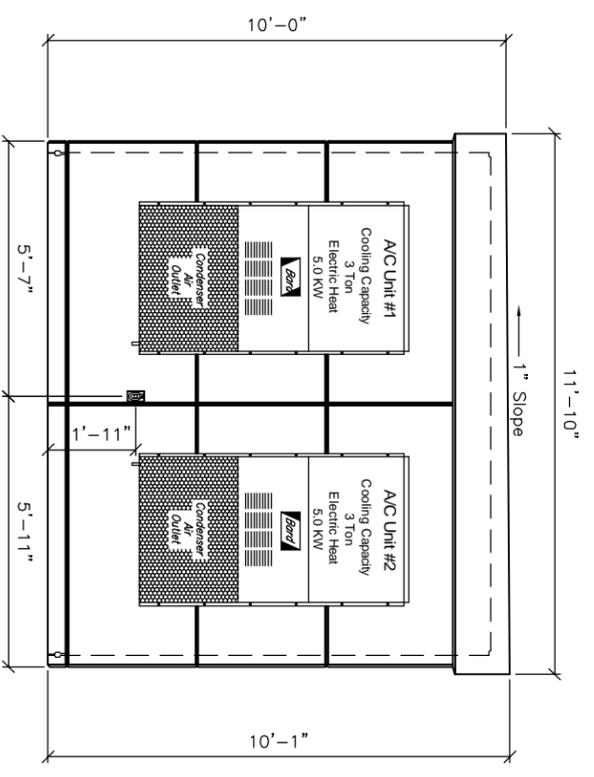
EXTERIOR ELEVATION 'A'



EXTERIOR ELEVATION 'B'



EXTERIOR ELEVATION 'C'



EXTERIOR ELEVATION 'D'



Oldcastle Precast[®]
Communications

411 E. Five Rd.
Chandler, AZ 85224
Phone: (480) 983-2676
Fax: (480) 899-1937

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

DRAWN BY: JE
DATE: 03/19/08

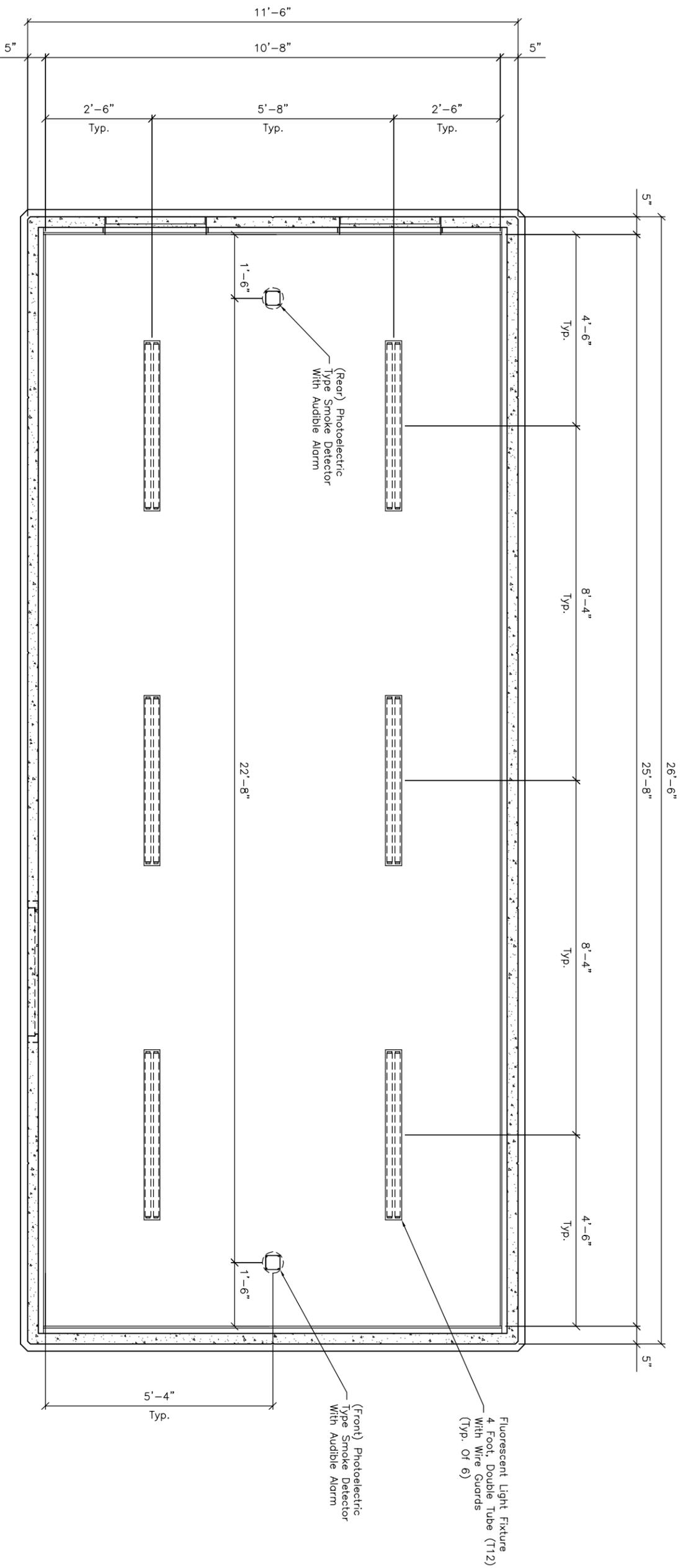
CHECKED BY: WMS
DATE: 03/19/08

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

DATE: 08-4175-3

REV: B

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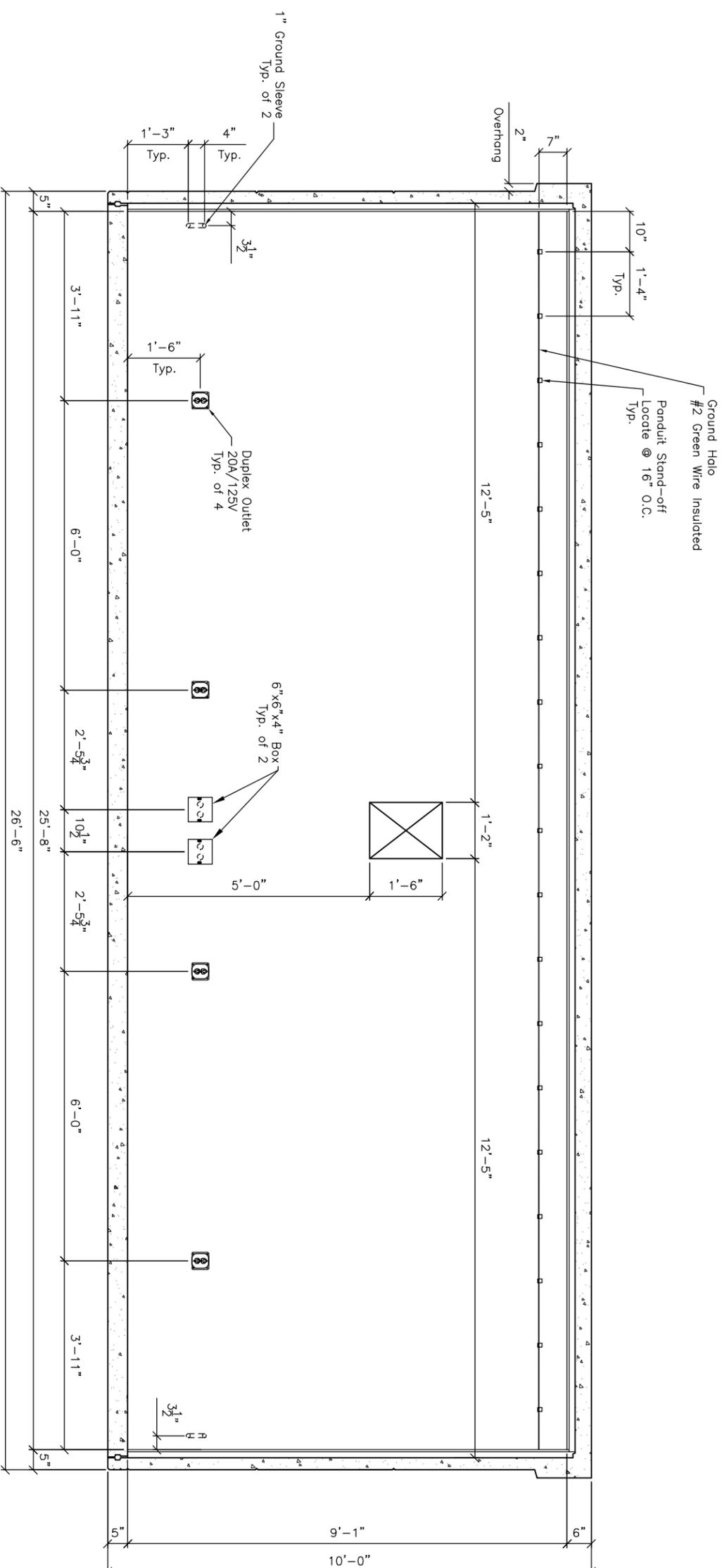


REFLECTED CEILING PLAN

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

 Oldcastle Precast[®] Communications		411 E. Fyne Rd Chandler, AZ 85224 Phone: (480) 983-2676 Fax: (480) 899-1937	
DRAWN BY:	DATE:	TITLE:	SCALE:
JE	03/19/08	Precast Concrete Building (Model:1227)	3/8" = 1'-0"
CHECKED BY:	DATE:	PROJECT:	REVISION:
		USDA	4 of 9
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REV	DESCRIPTION	BY	DATE
B	Added Ground Sleeves	JE	07/30/08

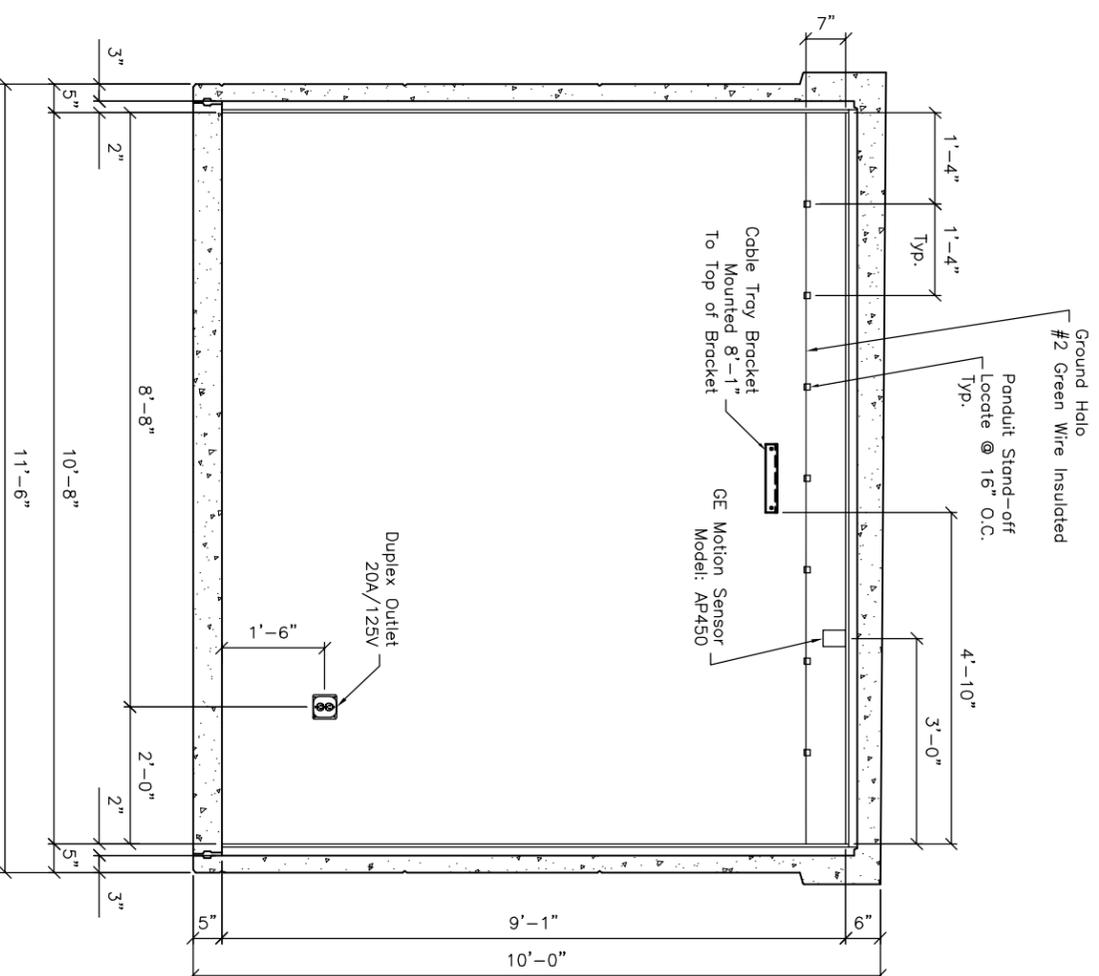


INTERIOR ELEVATION 'A'

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

 Oldcastle Precast[®] Communications		411 E. Fyne Rd. Chandler, AZ 85224 Phone: (480) 963-2670 Fax: (480) 899-1937	
DRAWN BY:	DATE:	TITLE:	SCALE:
JE	03/19/08	Precast Concrete Building (Model:1227)	3/8" = 1'-0"
CHECKED BY:	DATE:	PROJECT NUMBER:	REV.:
		08-4175 - 5	B
		QUANTITY:	REV.:
		5	9

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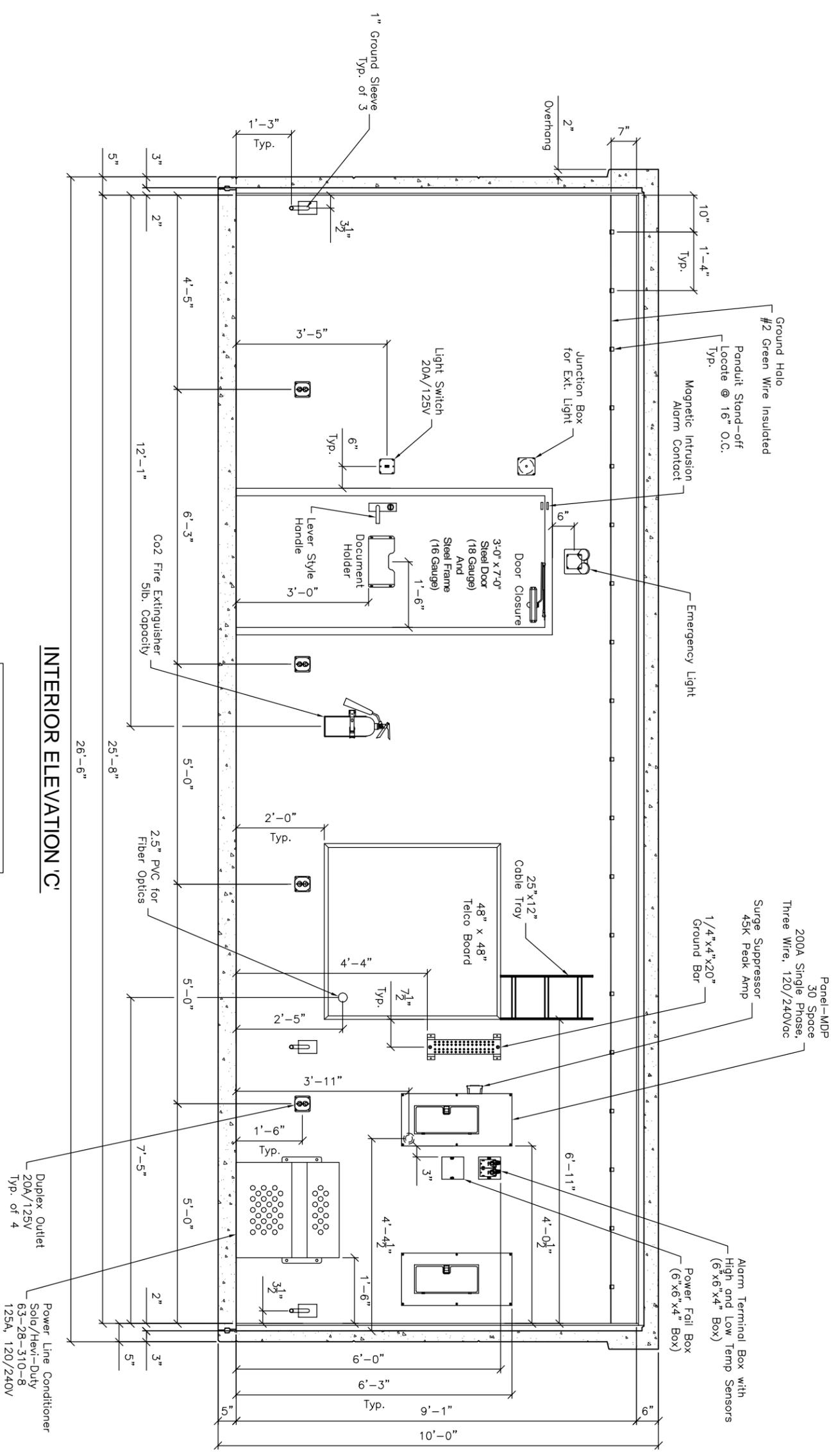
INTERIOR ELEVATION 'B'

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

		411 E. Fyne Rd Chandler, AZ 85224 Phone: (480) 963-2676 Fax: (480) 899-1937	
DRAWING NO: 08-4175-6	TITLE: Precast Concrete Building (Model:1227) USDA	DRAWING SCALE: 3/8" = 1'-0"	SHEET NO. OF TOTAL SHEETS: 6 OF 9
DRAWN BY: JE	DATE: 03/19/08	CHECKED BY: DATE:	REV. A

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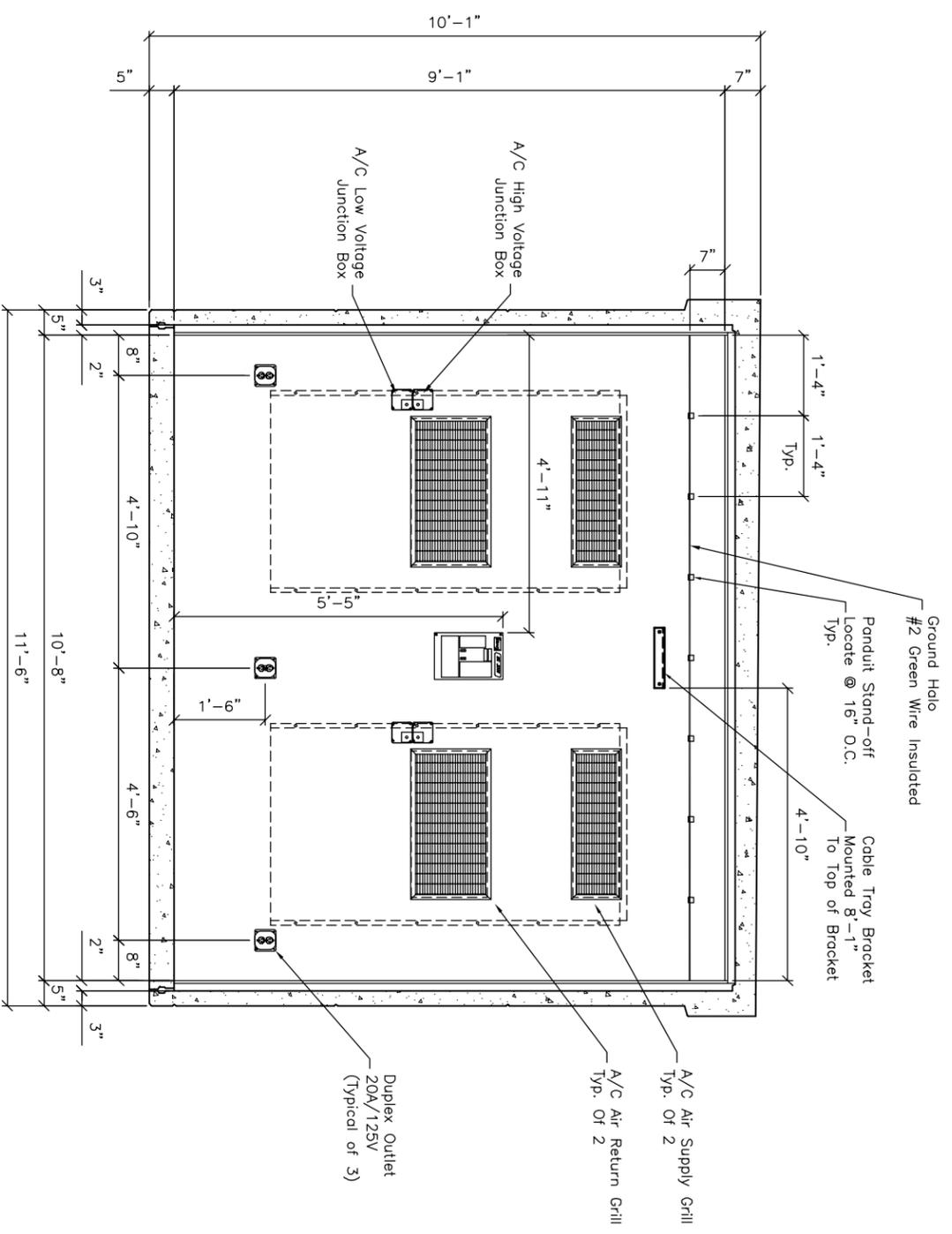
REV	DESCRIPTION	BY	DATE
B	Added Power Conditioner, Ground Sleeves, Sub Panel	JE	07/30/08



INTERIOR ELEVATION 'C'

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

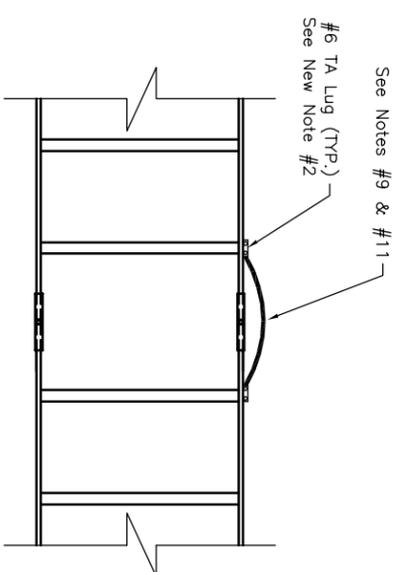
		Oldcastle Precast® Communications		411 E. Fyne Rd Chandler, AZ 85224 Phone: (480) 983-2670 Fax: (480) 899-1937	
DRAWN BY: JE CHECKED BY:	DATE: 03/19/08 TIME:	TITLE: Precast Concrete Building (Model:1227) USDA	DRAWING NUMBER: 08-4175-7 SCALE: 3/8" = 1'-0"	SHEET CODE:	TOTAL SHEETS: 7 of 9
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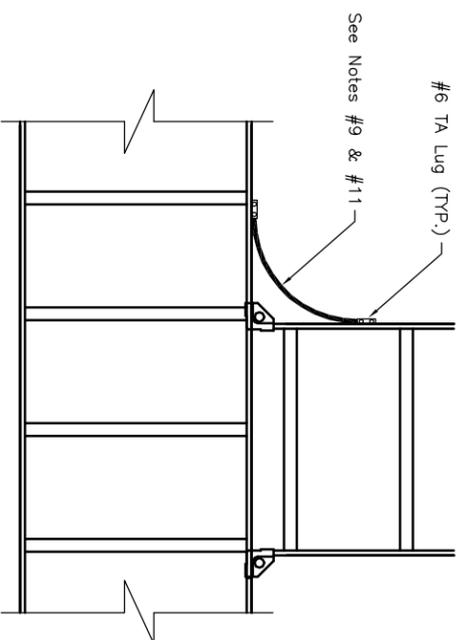
INTERIOR ELEVATION 'D'

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

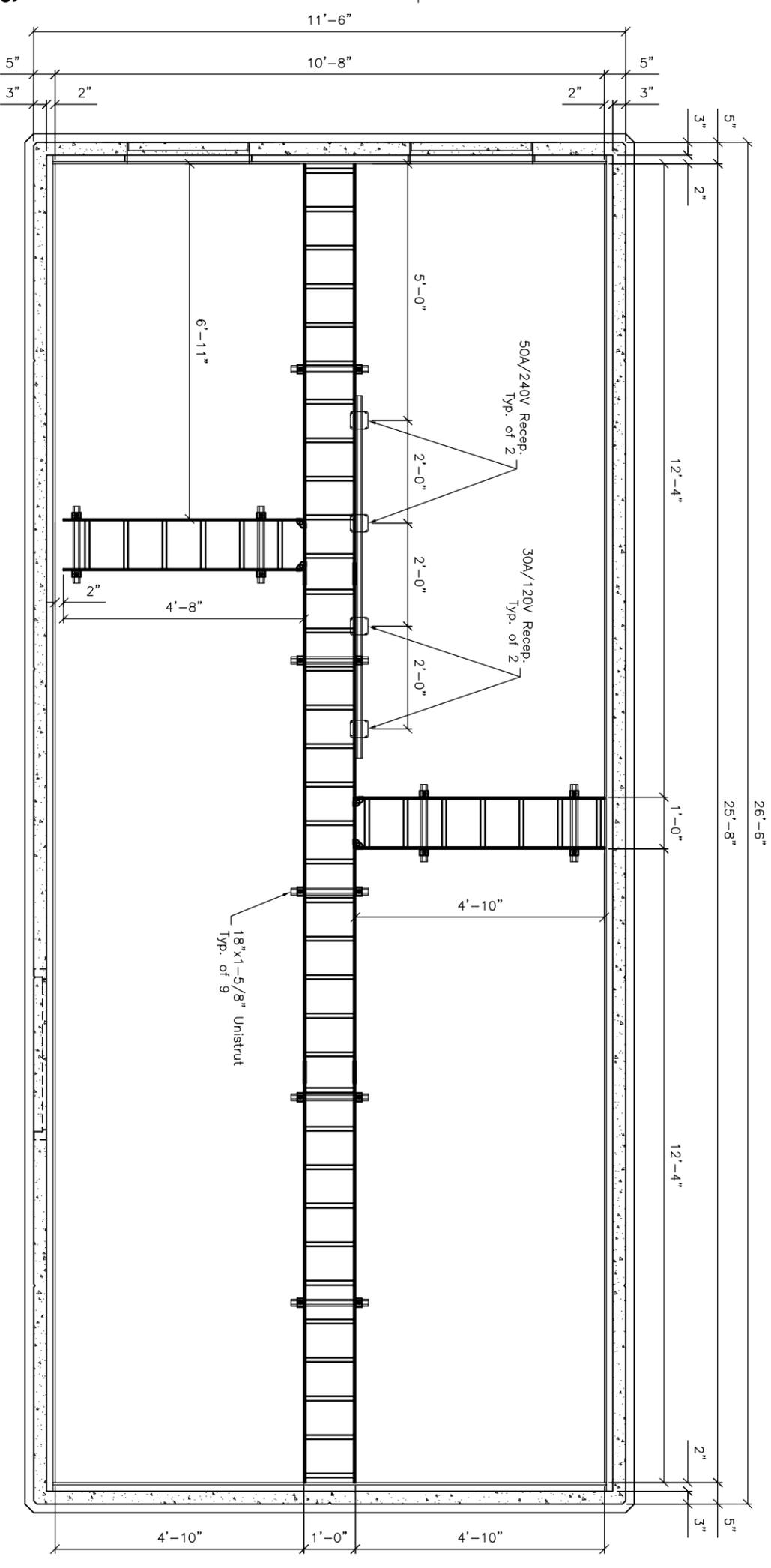
		Oldcastle Precast[®] Communications		411 E. Fyne Rd Chandler, AZ 85224 Phone: (480) 983-2670 Fax: (480) 899-1937	
DRAWN BY: JE	DATE: 03/19/08	TITLE: Precast Concrete Building (Model:1227)	SCALE: 3/8" = 1'-0"	SHEET: 8	OF: 9
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CABLE RACKING BOUNDING AT 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 Painted 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 Helical Lock Washers Are Used They Shall Be Flattened "Ratting" 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.

		Oldcastle Precast® Communications		411 E. Pave Rd Chandler, AZ 85224 Phone: (480) 963-2676 Fax: (480) 899-1937	
DRAWN BY: JE	DATE: 03/19/08	TITLE: Precast Concrete Building (Model:1227)	SCALE: 3/8" = 1'-0"	SHEET: 9	OF: 9
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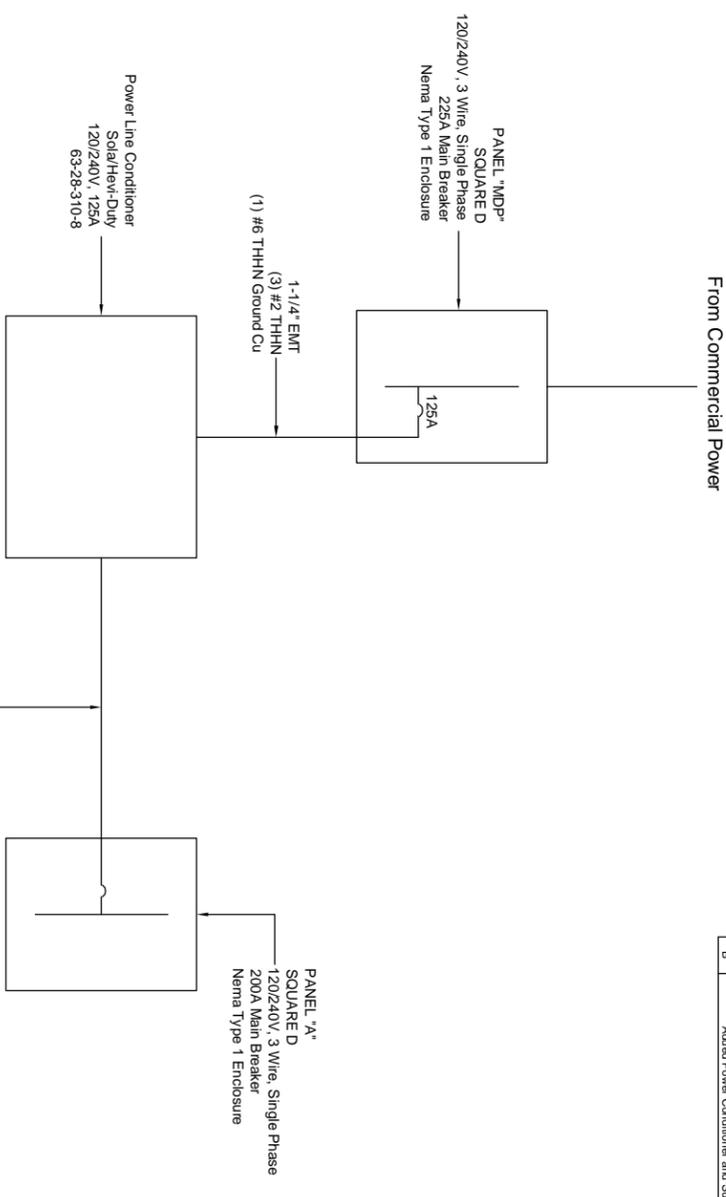
REV	DESCRIPTION	BY	DATE
B	Added Power Conditioner and Sub-Panel	JE	07/30/08

PANEL:	MDP ENCLOSURE NEMA 1 MOUNTING SURFACE	LOCATION: INTERIOR ELEVATION 12'	FED FROM: COMMERCIAL POWER	MAINS: 200A VOLTAGE 120/240			
CKT	V/A	BRKR	PHASE	BRKR	V/A	CHILLING PLANTS	CKT
1	1200	20	A A	20/1	85/7	CHILLING PLANTS	2
3	1200	20	B B	20/1	7/20	CHILLING PLANTS	4
5	2700	35	A A	15/1	38/0	EMERGENCY LIGHT	6
7	2700	35	H H	15/1	18/0	EMERGENCY LIGHT	8
9	2700	35	A A	15/1	15/1	EMERGENCY LIGHT	10
11	2700	2	B B	20/1	7/20	DUPLEX OUTLETS	12
13	1440	125	A A				14
15	2400	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
TOTAL CONNECTED	17,529		7/989		68.5/9		
					79.5		

PANEL SCHEDULE AND ELECTRICAL LOAD CALCULATIONS

PANEL: A ENCLOSURE NEMA 1 MOUNTING SURFACE	LOCATION: INTERIOR ELEVATION 12'	FED FROM: POWERLINE CONDITIONER	MAINS: 200A VOLTAGE 120/240				
CKT	V/A	BRKR	PHASE	BRKR	V/A	TX PV2 OUTLET	CKT
1	1200	20	A A	20/1	12/0	TX PV2 OUTLET	2
3	1200	20	D D	20/1	12/0	TX PV2 OUTLET	4
5	720	30/1	A A	30/1	7/20	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
TOTAL (CONNECTED)	3,84		1440		17		
			2400		20		

PANEL SCHEDULE AND ELECTRICAL LOAD CALCULATIONS



ONE LINE DIAGRAM

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

ALARM TERMINAL BOX LANDING POINTS

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
AIR CONDITIONER (BARD WA37A05XPXXXJ)	
HEATER KW	5/3.75
VOLTS	240/208 - 1 PHASE
HEATER AMPS	20.8/18.0

AIR CONDITIONER SPECIFICATIONS

Oldcastle Precast Communications

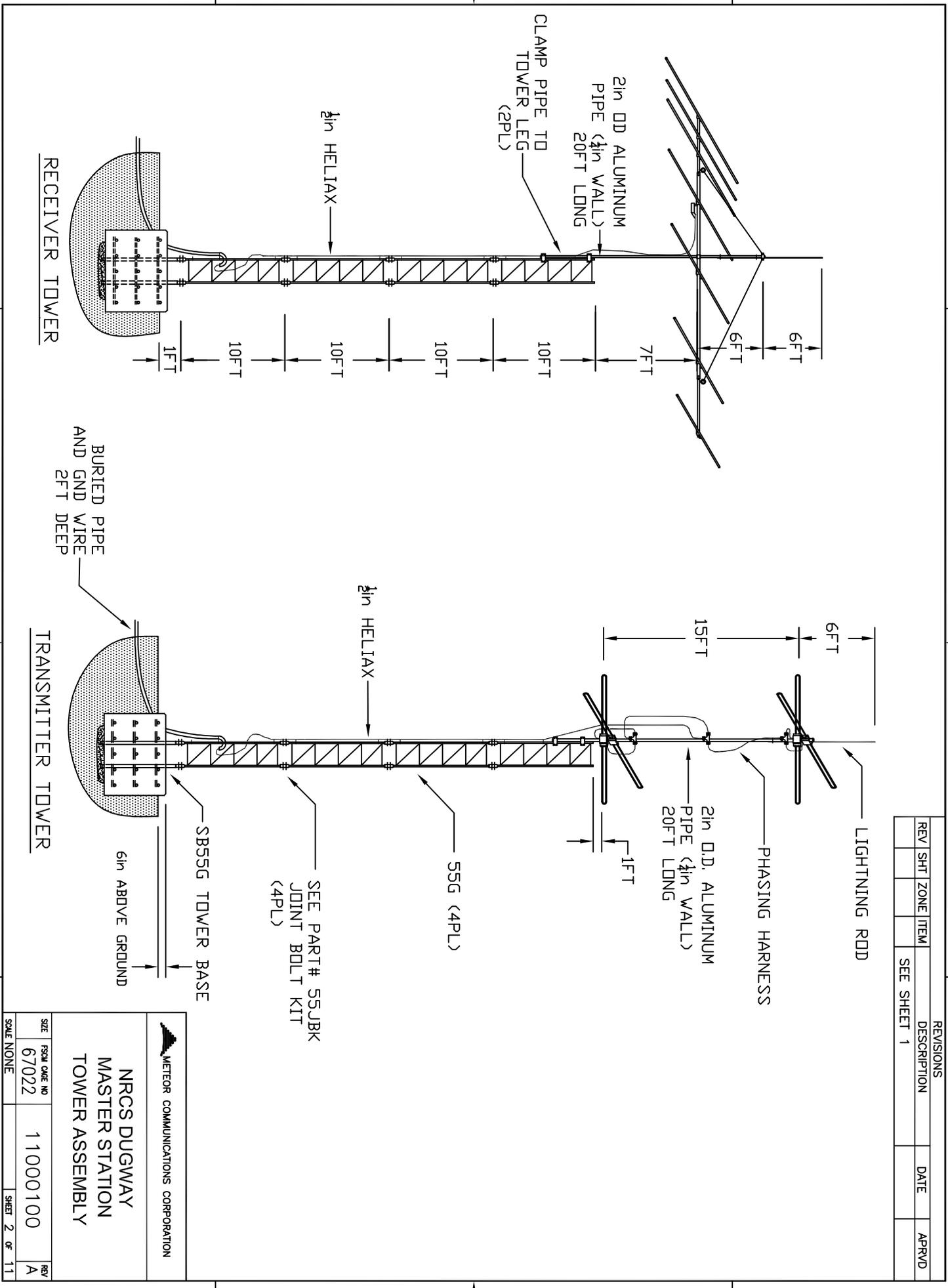
411 E. Pine Rd
Chandler, AZ 85224
Phone: (480) 989-2676
Fax: (480) 899-1937

DATE: 03/19/08
DRAWN BY: JE
CHECKED BY: MNE

PROJECT: Precast Concrete Building (Model: 1227)
SHEET: 08-4175 - E1
SCALE: N.T.S.

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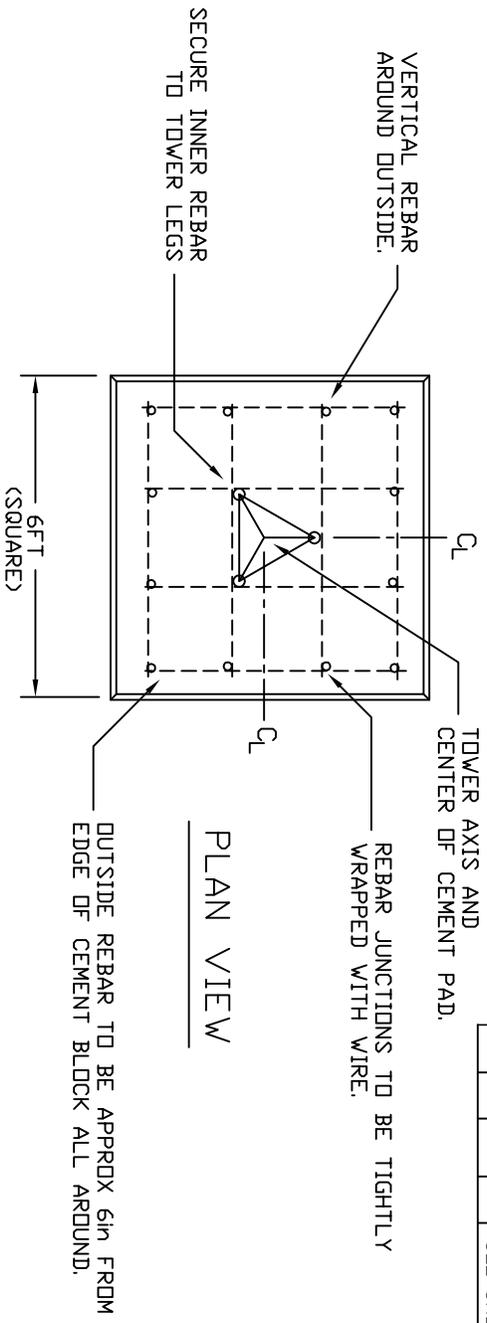
REVISIONS				
REV / SHT	ZONE / ITEM	DESCRIPTION	DATE	APPROV
		SEE SHEET 1		



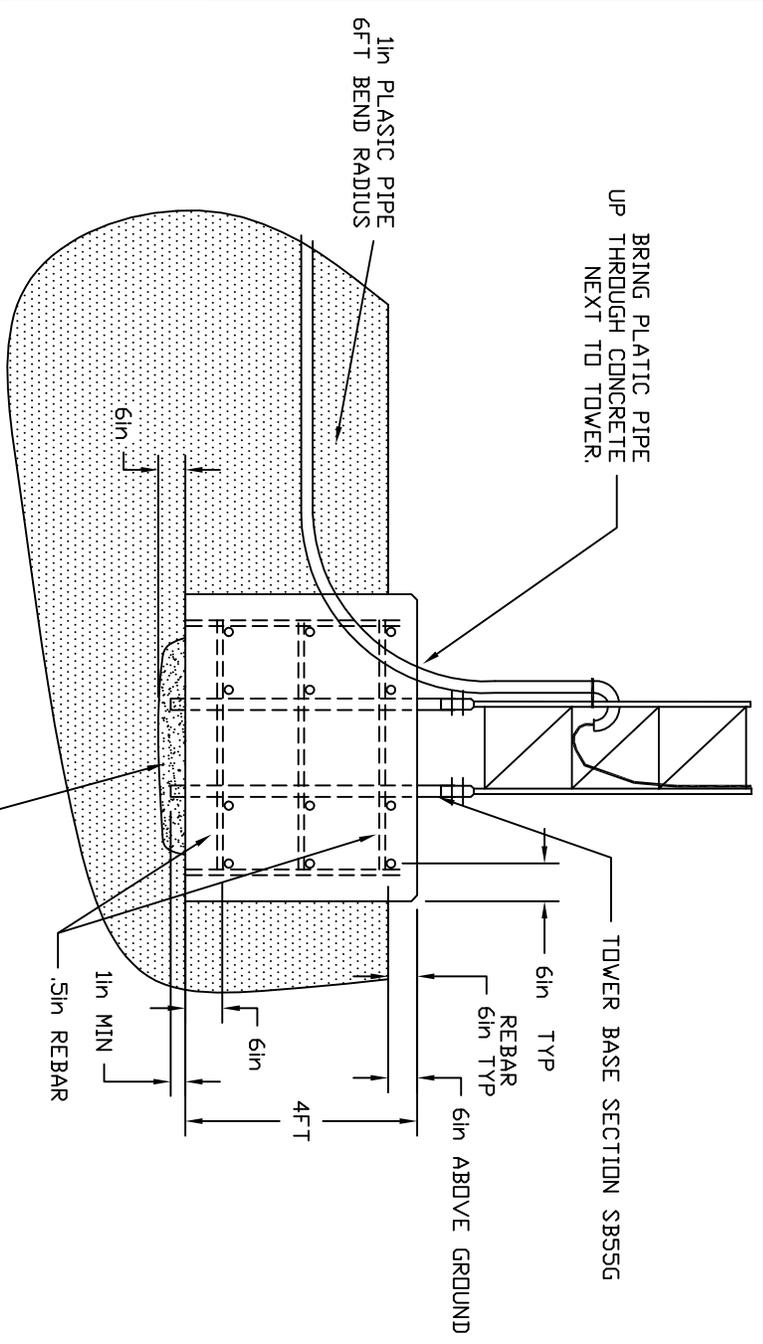
11000100.DWG


METEOR COMMUNICATIONS CORPORATION
NRCS DUGWAY MASTER STATION TOWER ASSEMBLY
 SIZE: 67022
 FSSM QAGE NO: 11000100
 SCALE: NONE
 SHEET 2 OF 11

REVISIONS				
REV / SHT	ZONE / ITEM	DESCRIPTION	DATE	APPRVD
SEE SHEET 1				



PLAN VIEW



ELEVATION VIEW

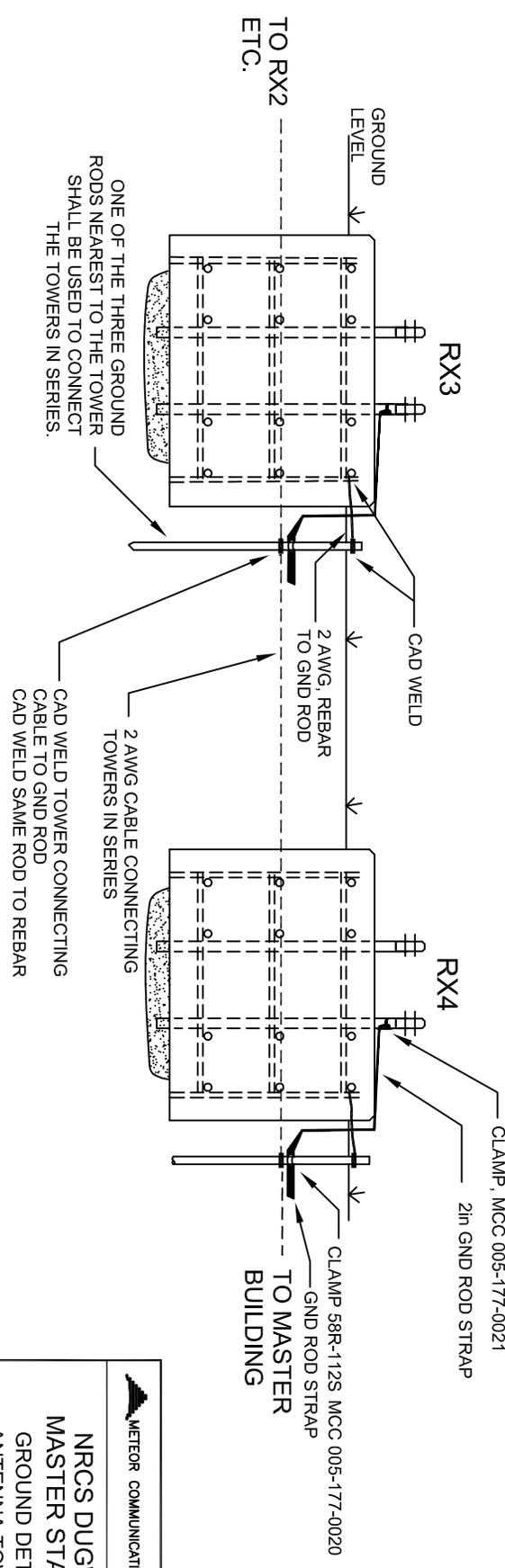
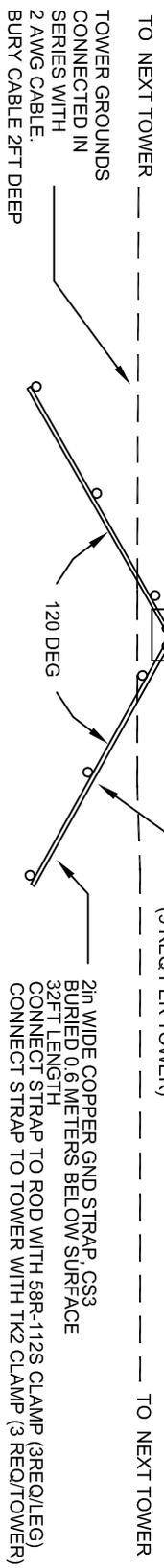
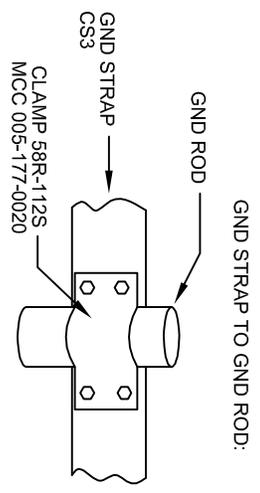
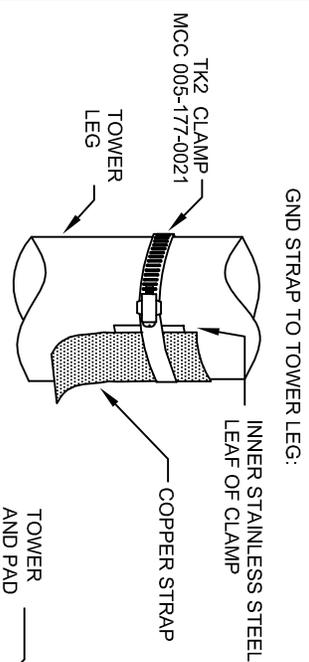
CONCRETE: 4000 PSI
 (4.5 SACKS PER CU YD)
 REBAR: #4 (5in)
 GND WIRE: 2AWG STRANDED
 COPPER



**NRCS DUGWAY
 MASTER STATION
 TOWER FOUNDATION DETAILS**

SIZE	FSM CODE NO	11000100	REV
SCALE	67022		A
SCALE NONE		SHEET 5 OF 11	

REVISIONS						
REV	SHT	ZONE	ITEM	DESCRIPTION	DATE	APPRD
				SEE SHEET 1		



METEOR COMMUNICATIONS CORPORATION

NRCS DUGWAY MASTER STATION GROUND DETAILS ANTENNA TOWERS

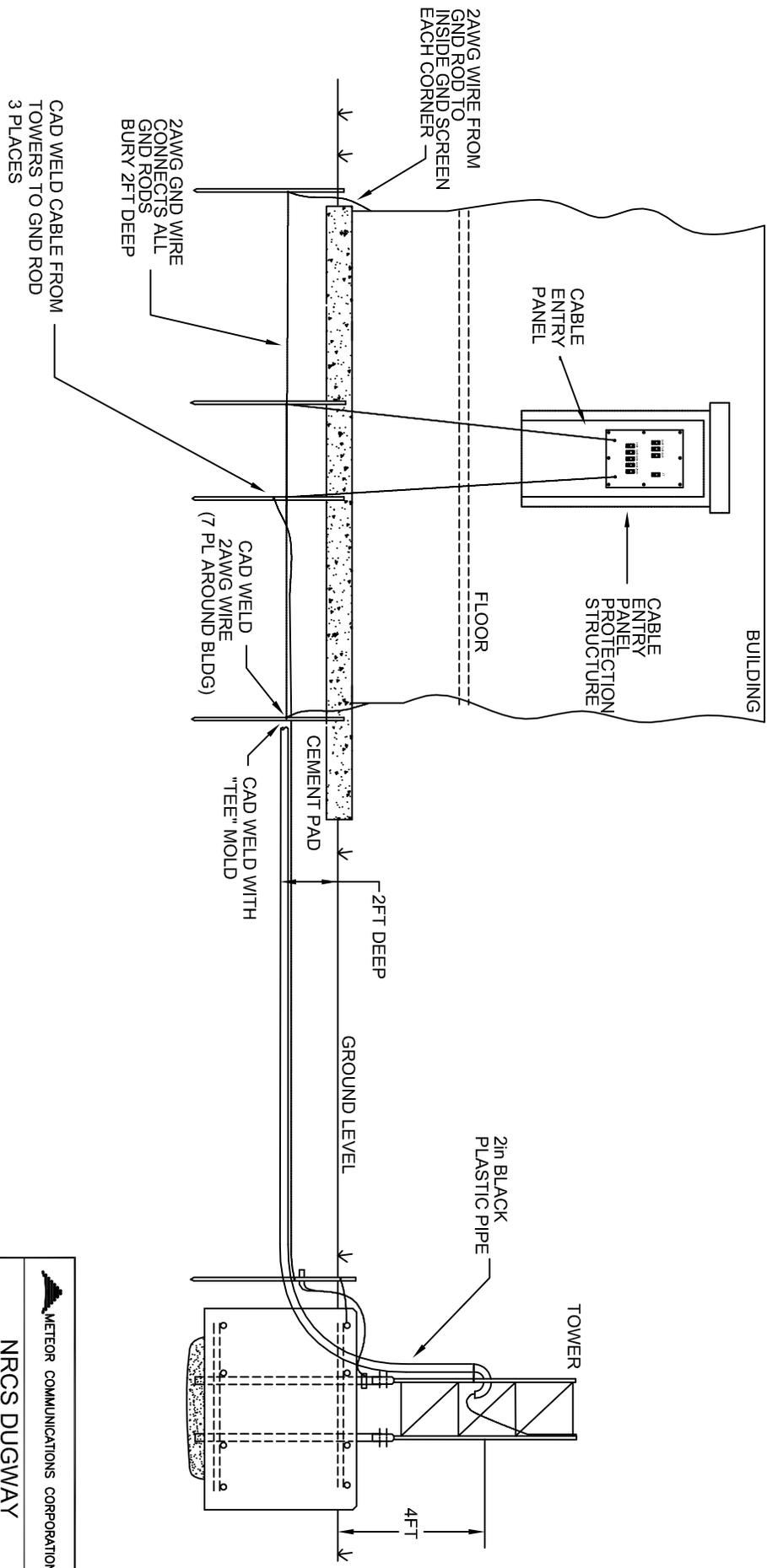
SIZE	FSM QAGE NO	11000100	REV
67022			A

SCALE NONE

SHEET 6 OF 11

11000100.DWG

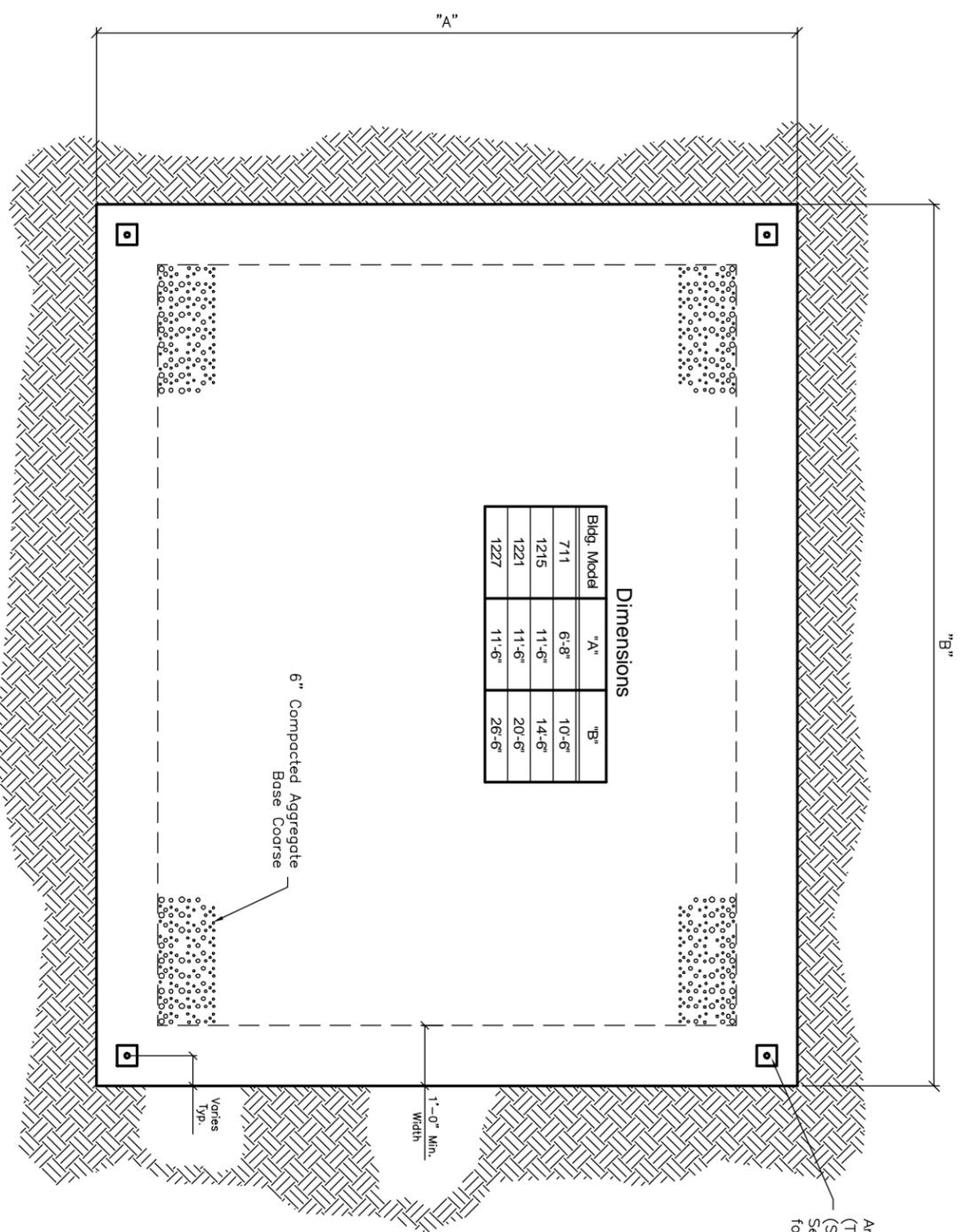
REVISIONS						
REV	SHT	ZONE	ITEM	DESCRIPTION	DATE	APPRD
				SEE SHEET 1		




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

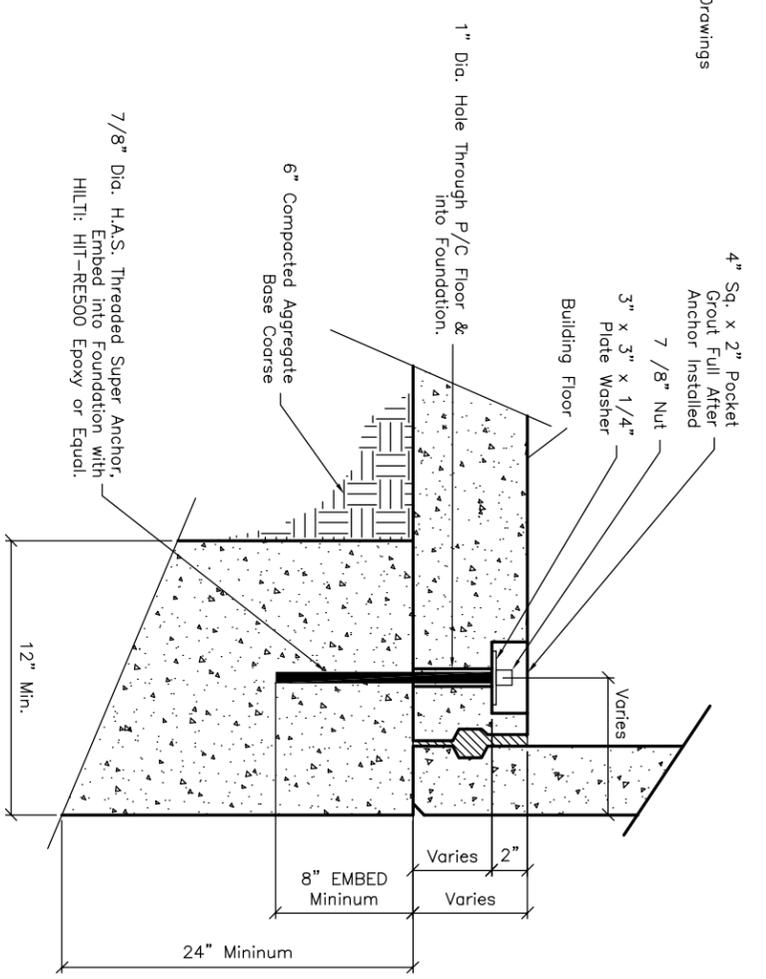
SIZE	FSM QAGE NO	11000100	REV
SCALE	67022		A
SCALE NONE		SHEET 7 OF 11	

11000100.DWG



Foundation Detail Plan View

Anchor Location
(Typical Of 4)
(See Anchoring Detail)
See Sheet 2 of Submittal Drawings
for Locations.



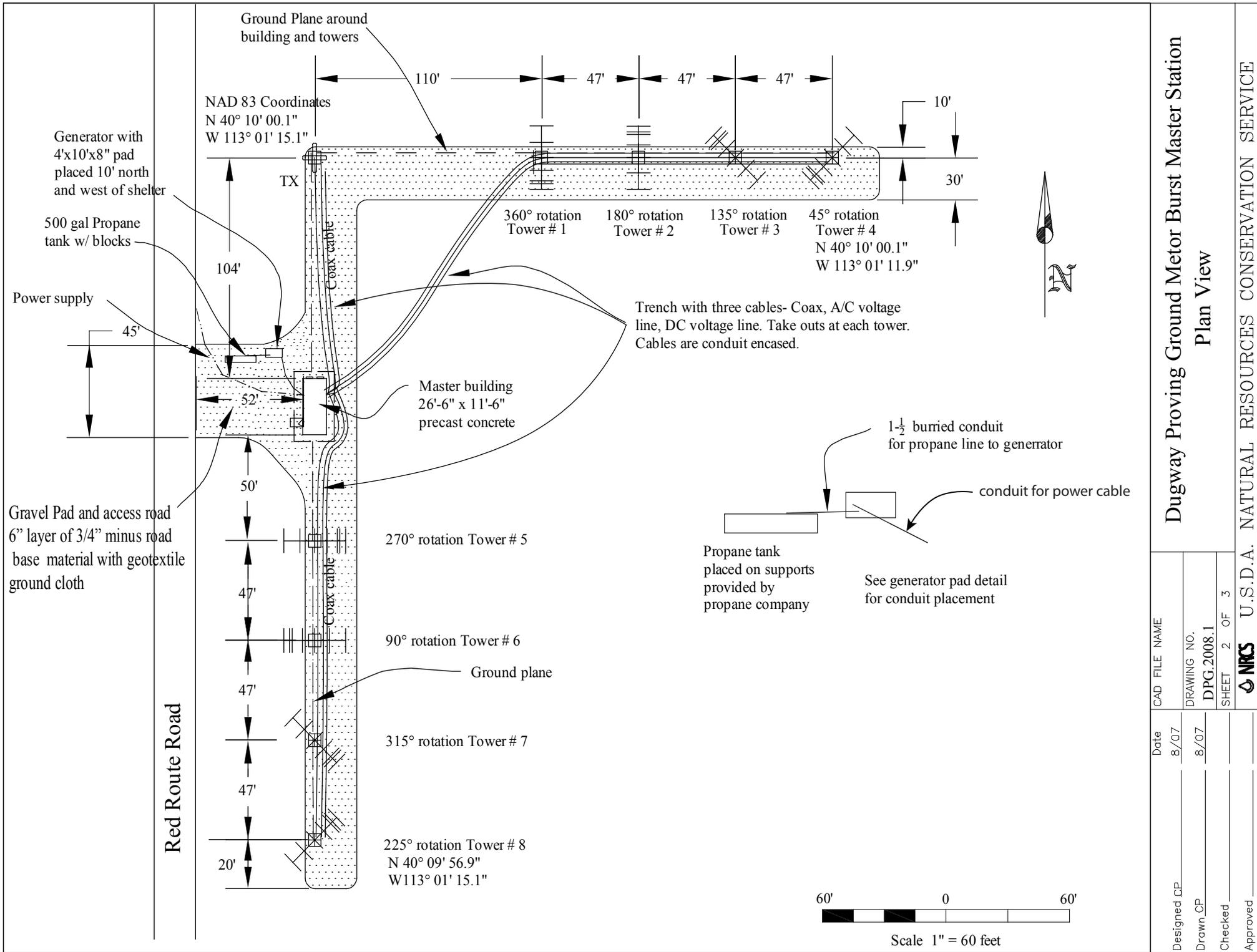
Anchoring Detail

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.

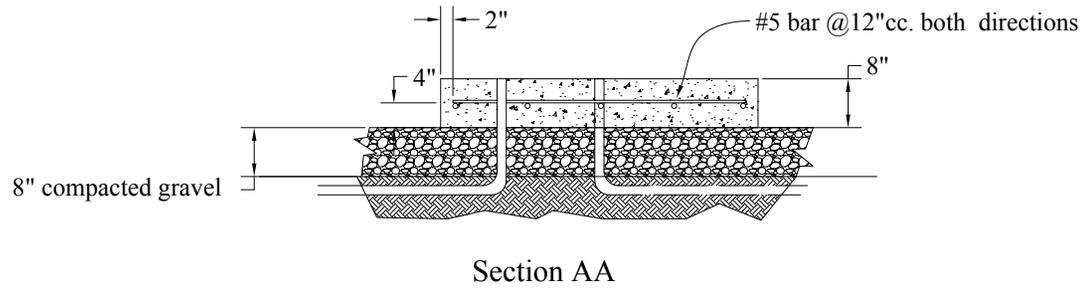
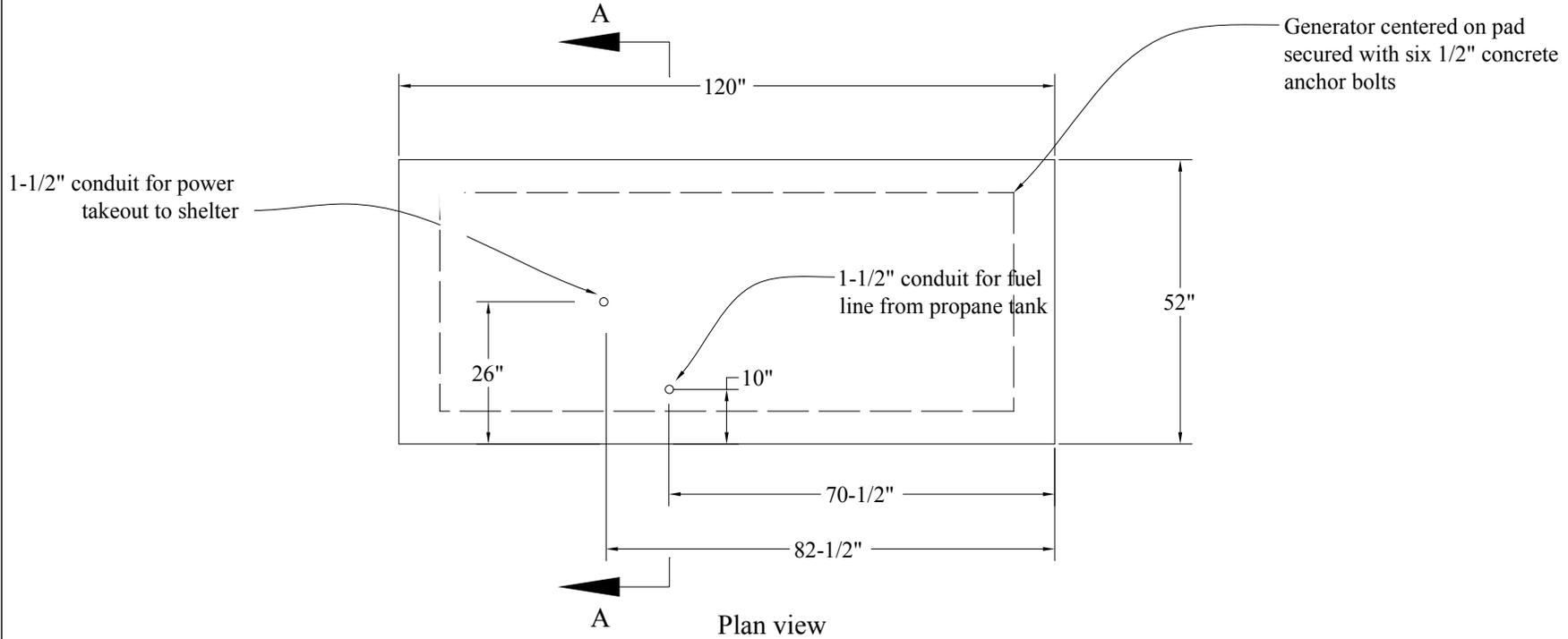
DRAWING NUMBER PBSF-F1	TITLE Precast Concrete Building Foundation Details	DATE 4/25/2007	SCALE NTS
CHECKED BY RL	DESIGNED BY RL	411 E. Fyve Rd. Chandler, AZ 85244 Phone: (480) 963-2878 Fax: (480) 899-1937	DRAWING DATE 11/09/03

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Dugway Proving Ground Meteor Burst Master Station
Plan View

Designed EP	Date	8/07
Drawn CP		
Checked		
Approved		
CAD FILE NAME		
DRAWING NO.		DPG.2008.1
SHEET		2 OF 3



Dugway Proving Ground Meter Burst Master Station
Generator Pad Detail

CAD FILE NAME

Date

8/07

Designed CP

DRAWING NO.

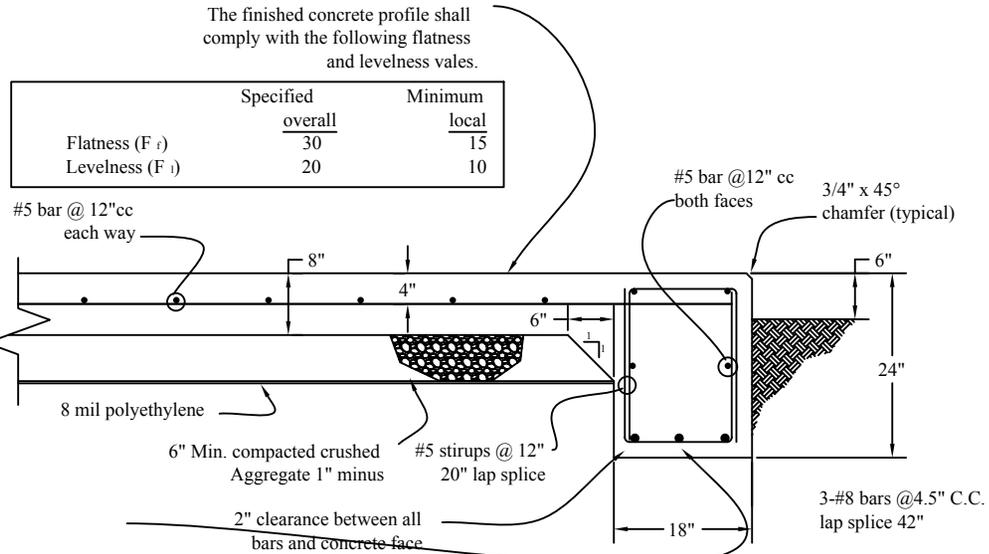
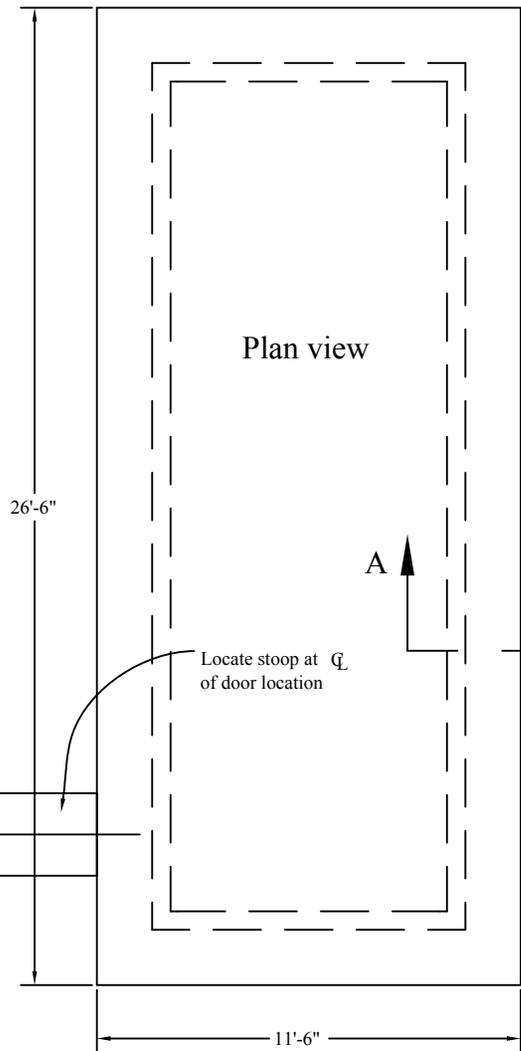
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Drawn CP

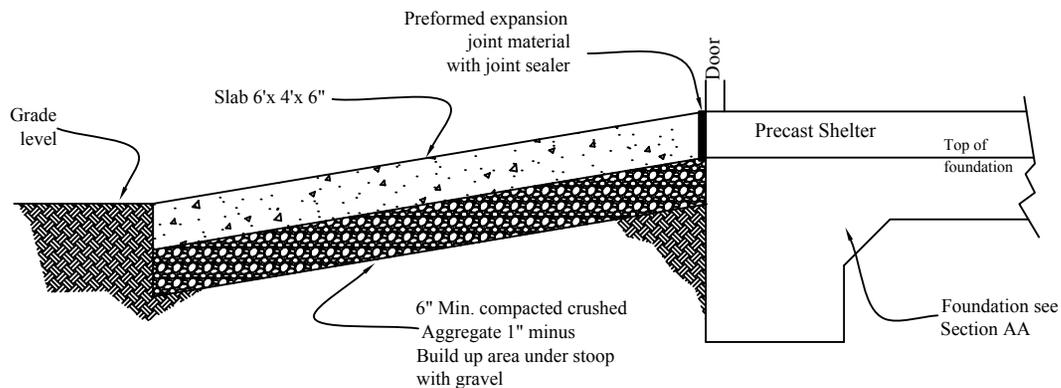
SHEET 4 OF 4

Checked

Approved



Section AA



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

CAD FILE NAME

Date

8/07

Designed CP

DRAWING NO.

8/07

Drawn CP

SHEET 3 OF 3

Checked

Approved

U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE