



# County of Riverside Public Safety Enterprise Communication

<b>PEPRO 4-Bay CLP Enclosure .....</b>	<b>1</b>
1.1 PEPRO 4-Bay Compact Low Profile (CLP) Shelter Highlights .....	2





# PEPRO 4-Bay CLP Enclosure



**PUBLIC SAFETY ENTERPRISE COMMUNICATION**

*Creating the Next-Generation Communication System  
To Better Serve the County of Riverside.*

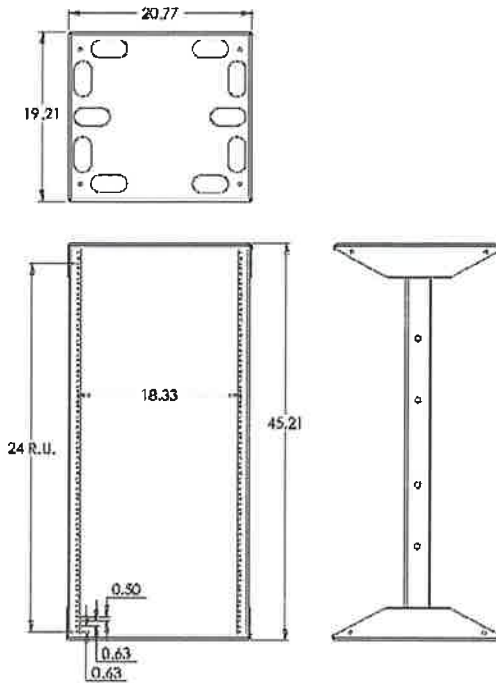
## 1.1 PEPRO 4-Bay Compact Low Profile (CLP) Shelter Highlights

- Faraday Cage Technology with lightning, RFI, PIM and EMI protection levels
- Aluminum welded unibody construction for added robustness to environment and physical security.
- Cable entry ports, 100 Amp load center (120/240VAC) and power filters, bus bars, internal grounding and surge suppressor included.
- Front, rear and side access for ease of installation and maintenance of equipment.
- Meets stringent Motorola R56 quality specifications.
- 5 racks, 120 rack units space
- Redundant 1.5 ton HVAC units.
- Measures 5'-3"W x 11'L x 5'-3"W.

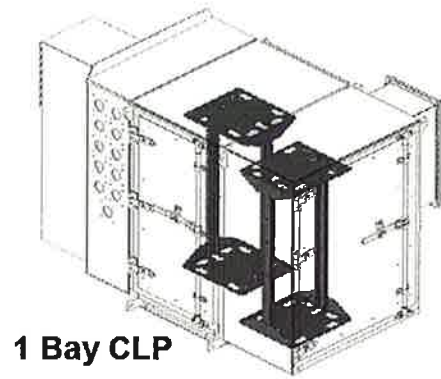




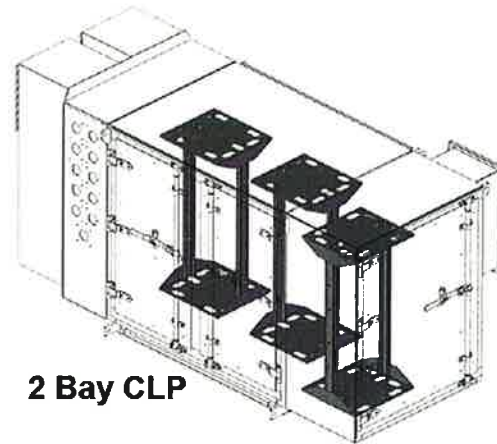
The Pepro Compact Low Profile (CLP) Shelter's racking has been designed to accommodate the Motorola Moto Rack # 0782099W02. To the right is a layout of the Moto Rack. Below are images of each of the available CLP configurations that show how many Moto Racks can be installed.



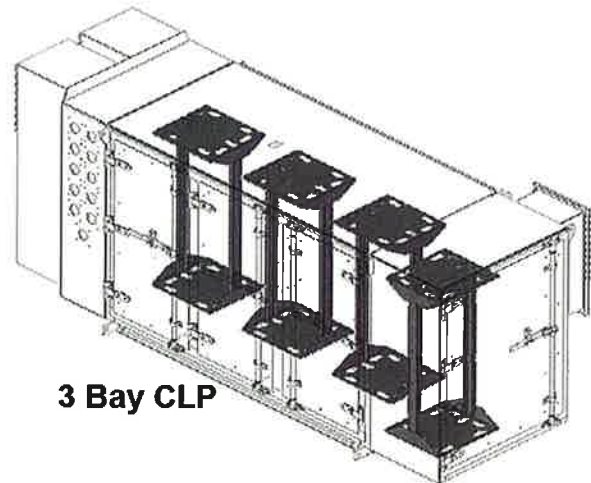
## Compact Low Profile (CLP) Enclosure Motorola Applications



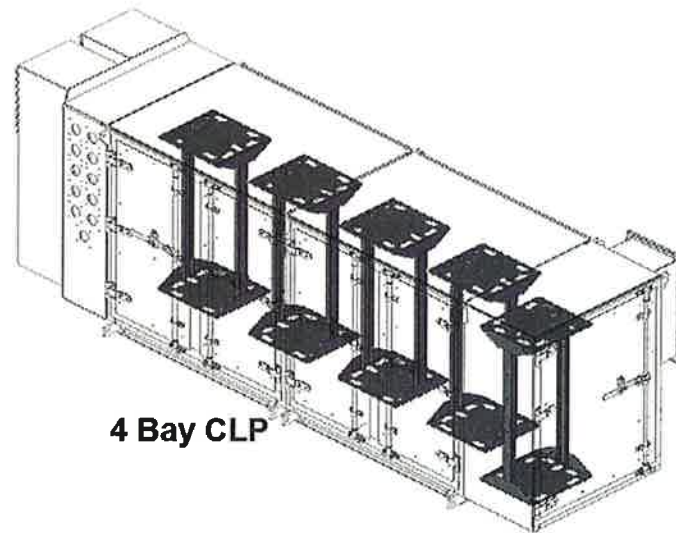
1 Bay CLP



2 Bay CLP



3 Bay CLP



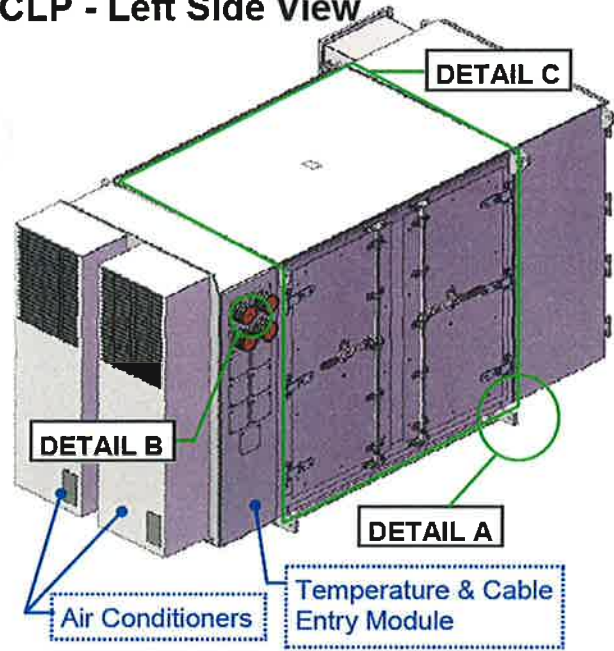
4 Bay CLP

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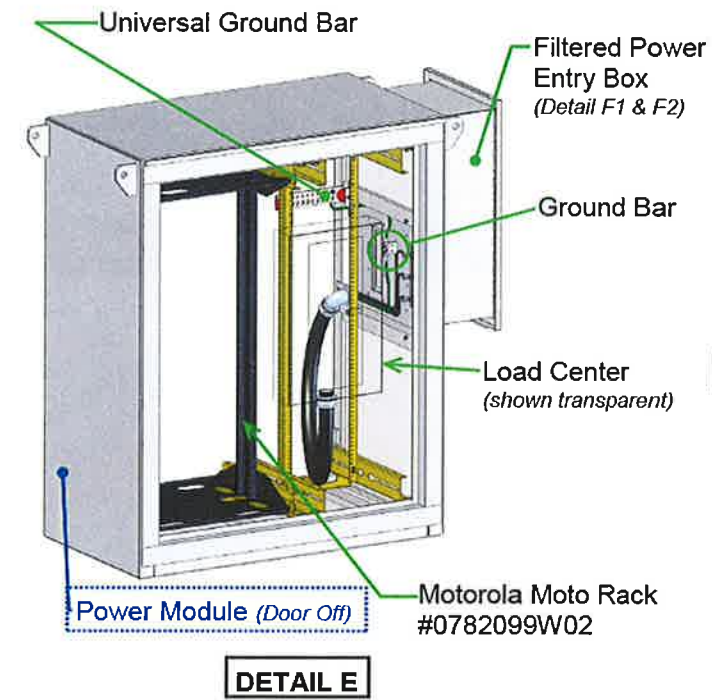
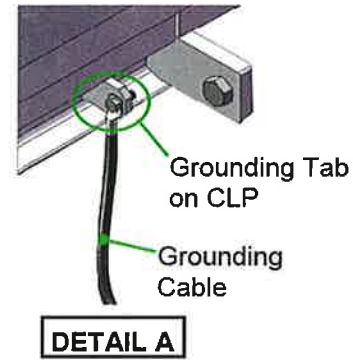
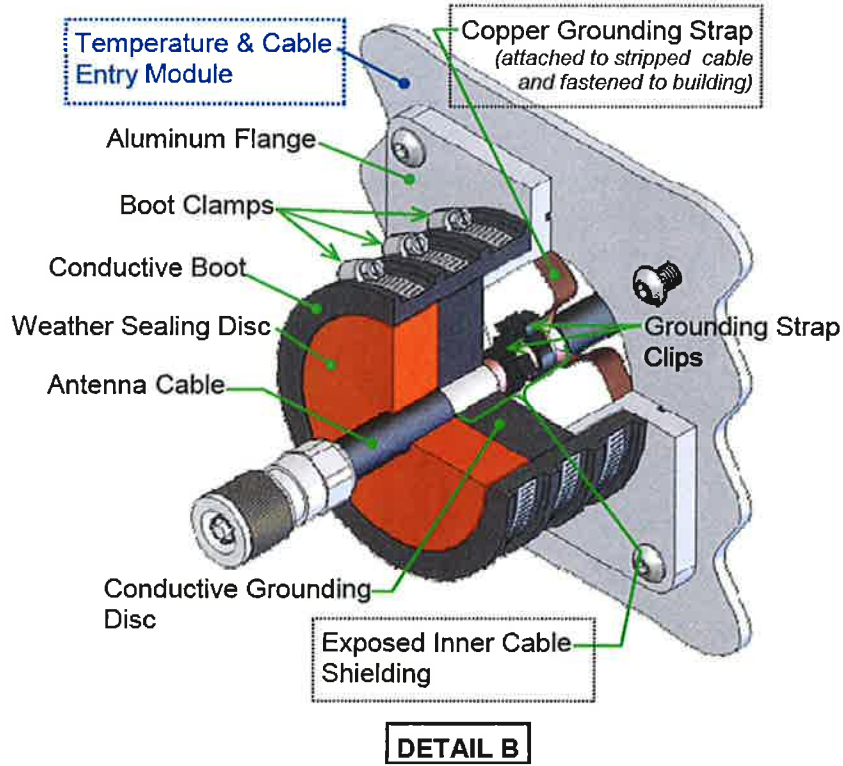
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**CLP - Left Side View**

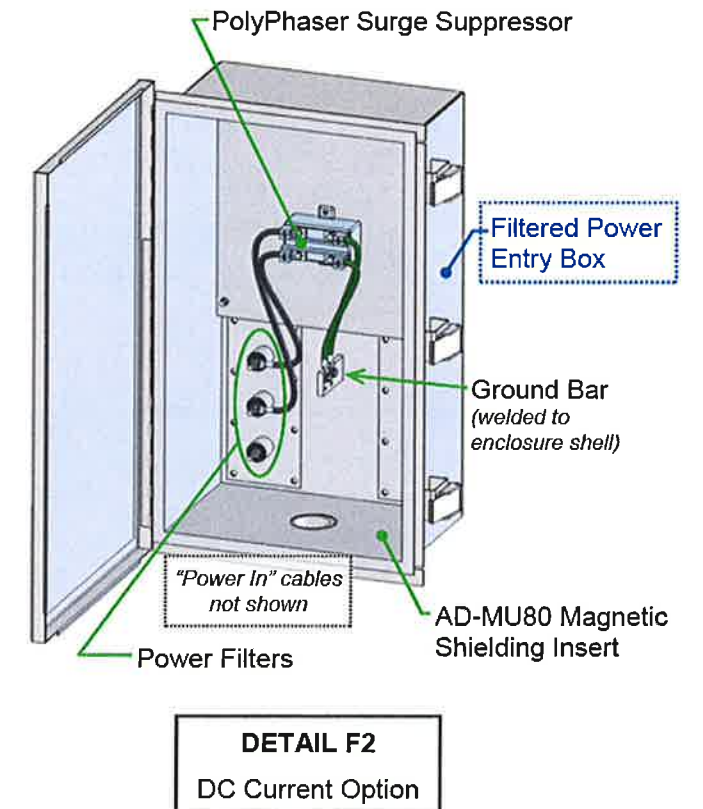
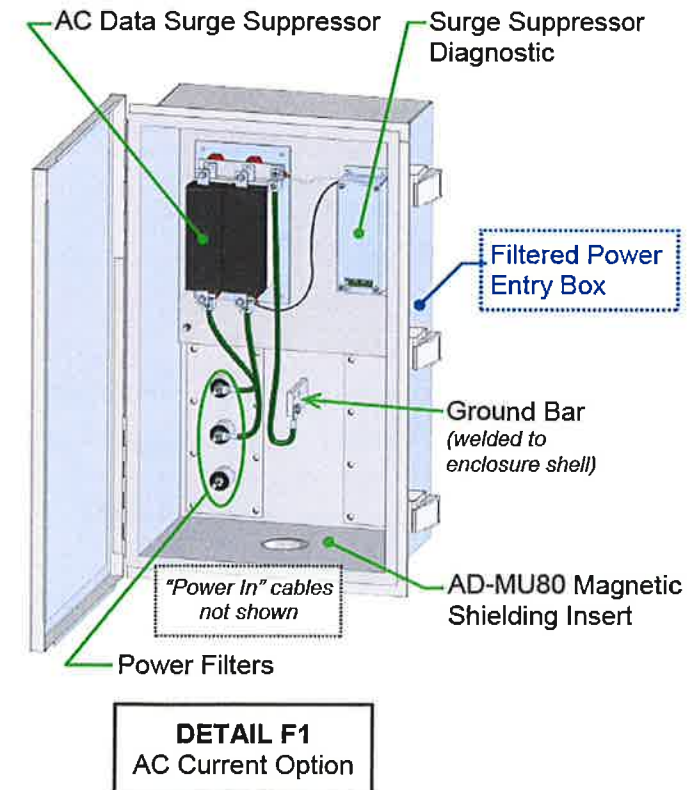
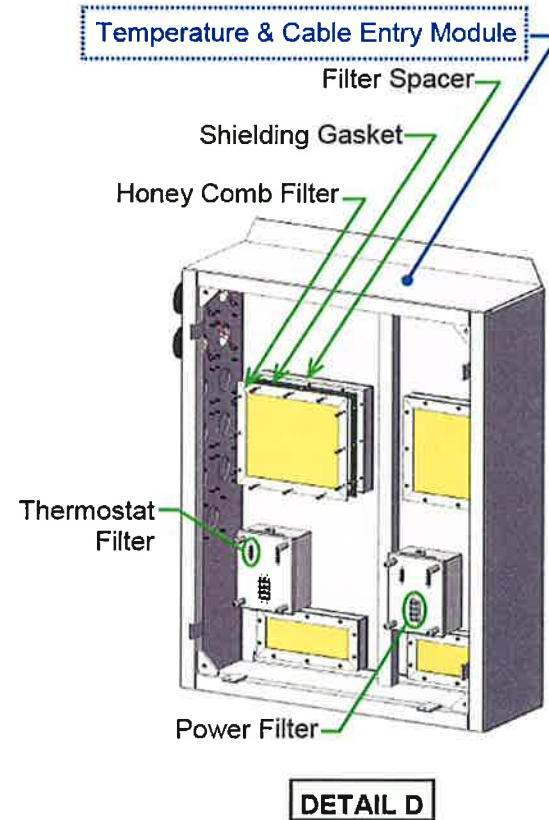
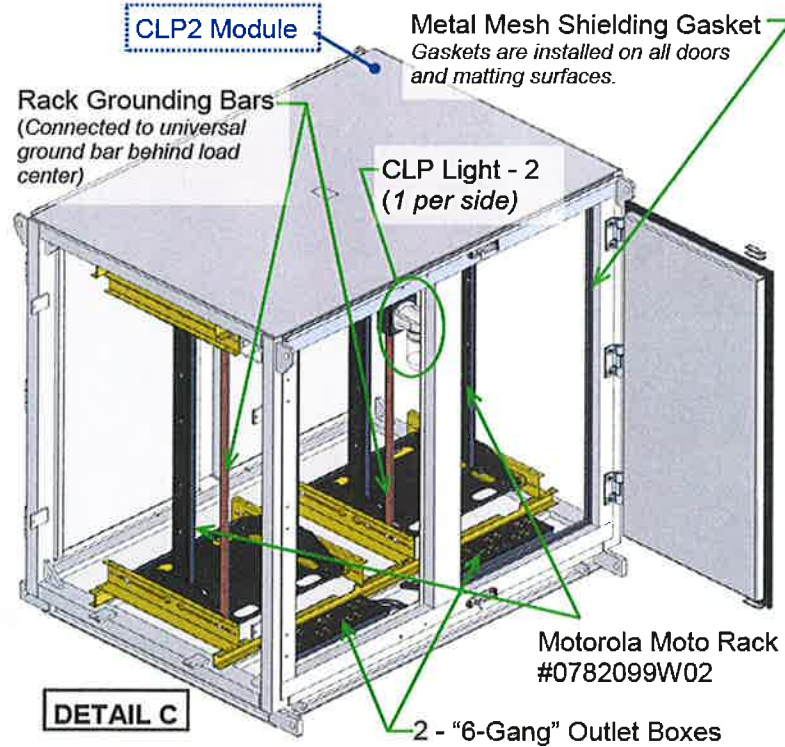
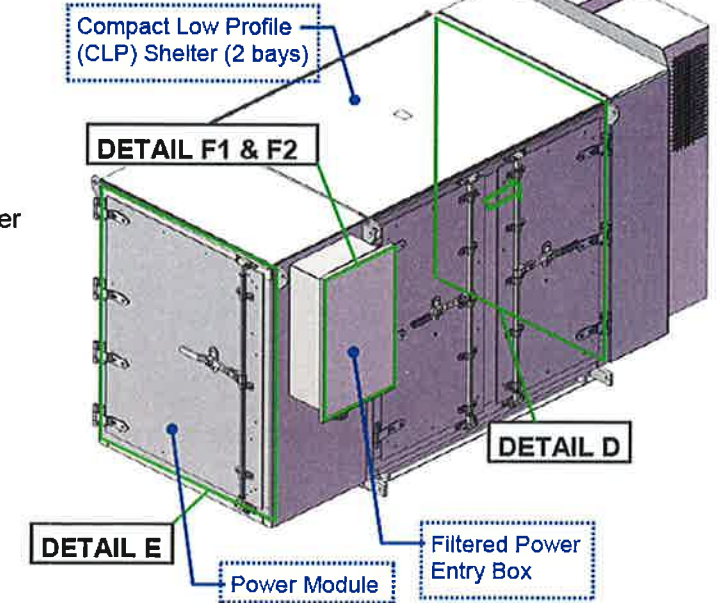


**2 BAY CLP SHOWN**

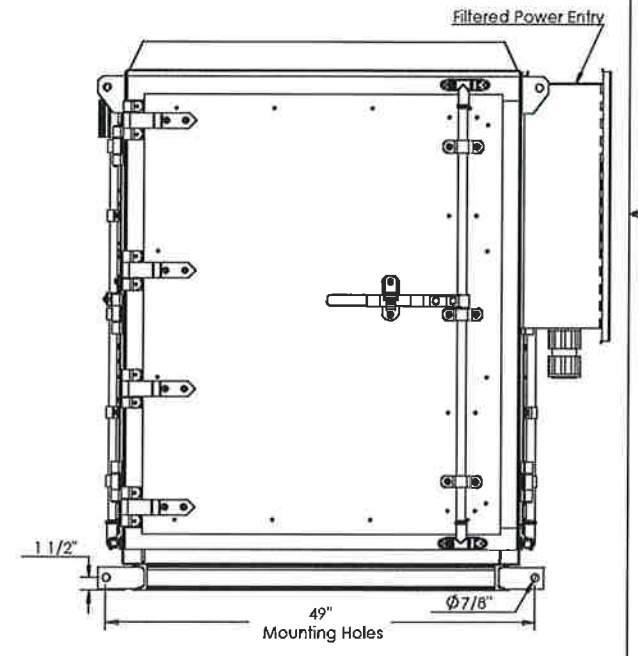
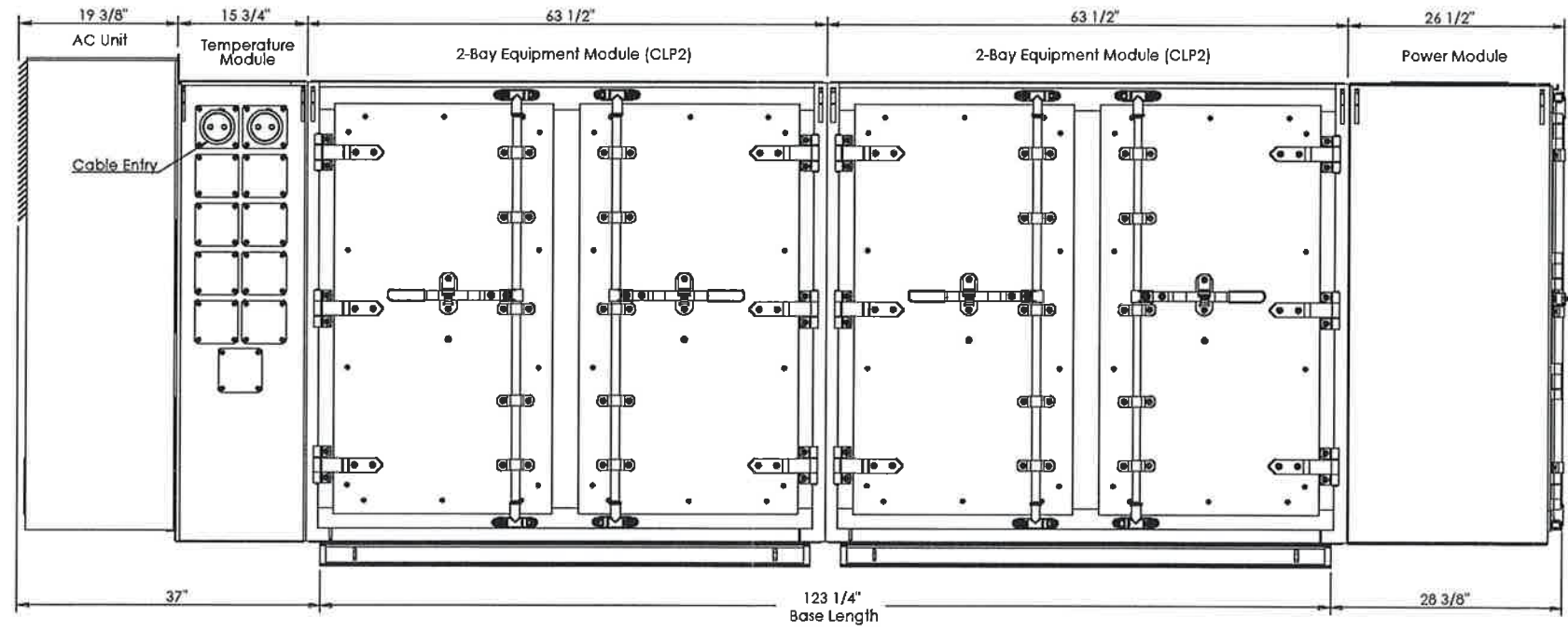
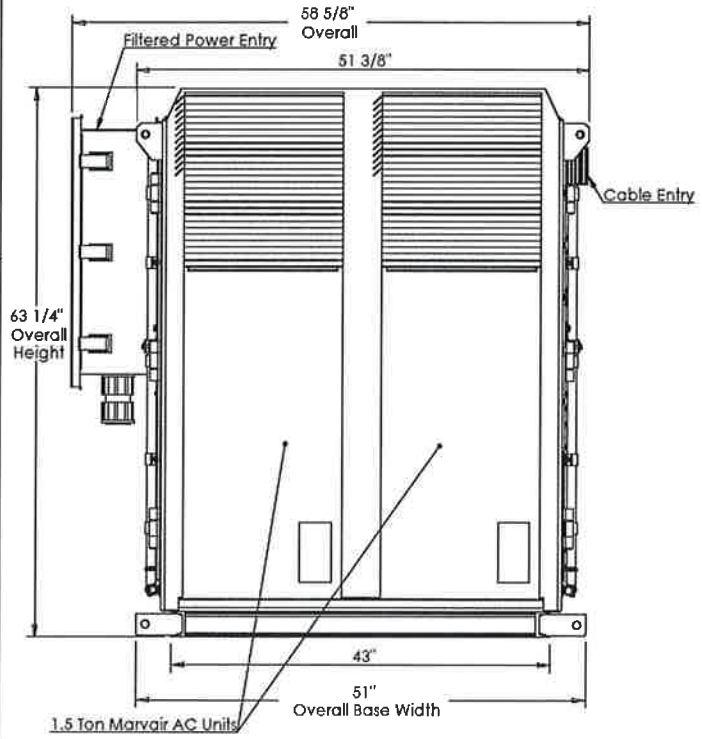
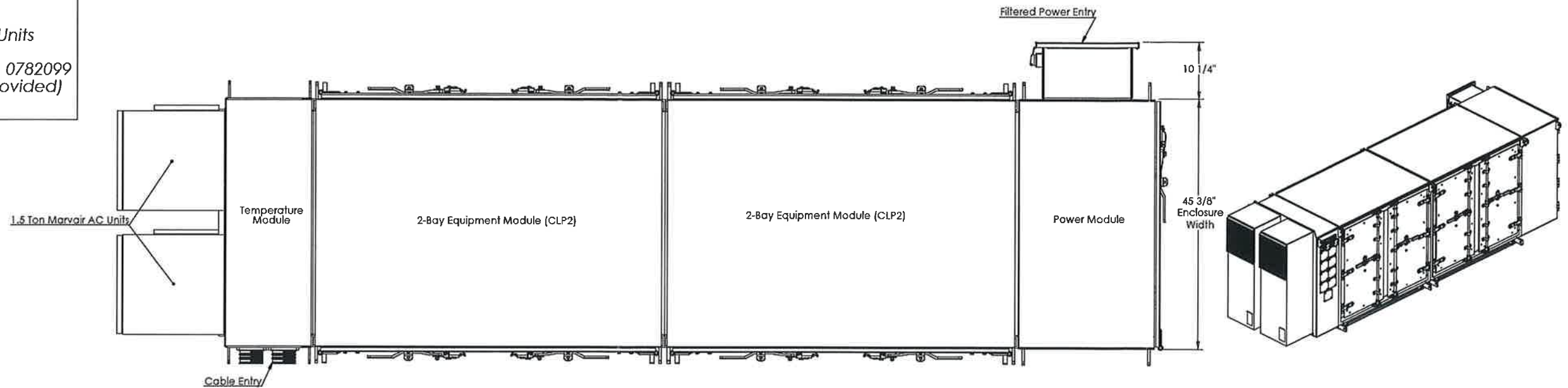
Examples apply 1,2,3, & 4 bay units.



**CLP - Right Side View**



**NOTES:**  
 Weight: 2,900 lbs  
 HVAC: (2) 1.5 TON Marvair AC Units  
 Typical Power: 100 amp Load Center  
 Racking: Racking made to fit (7) 0782099  
 Motorola Racks (not provided)  
 Cable Entry: 11 ports available



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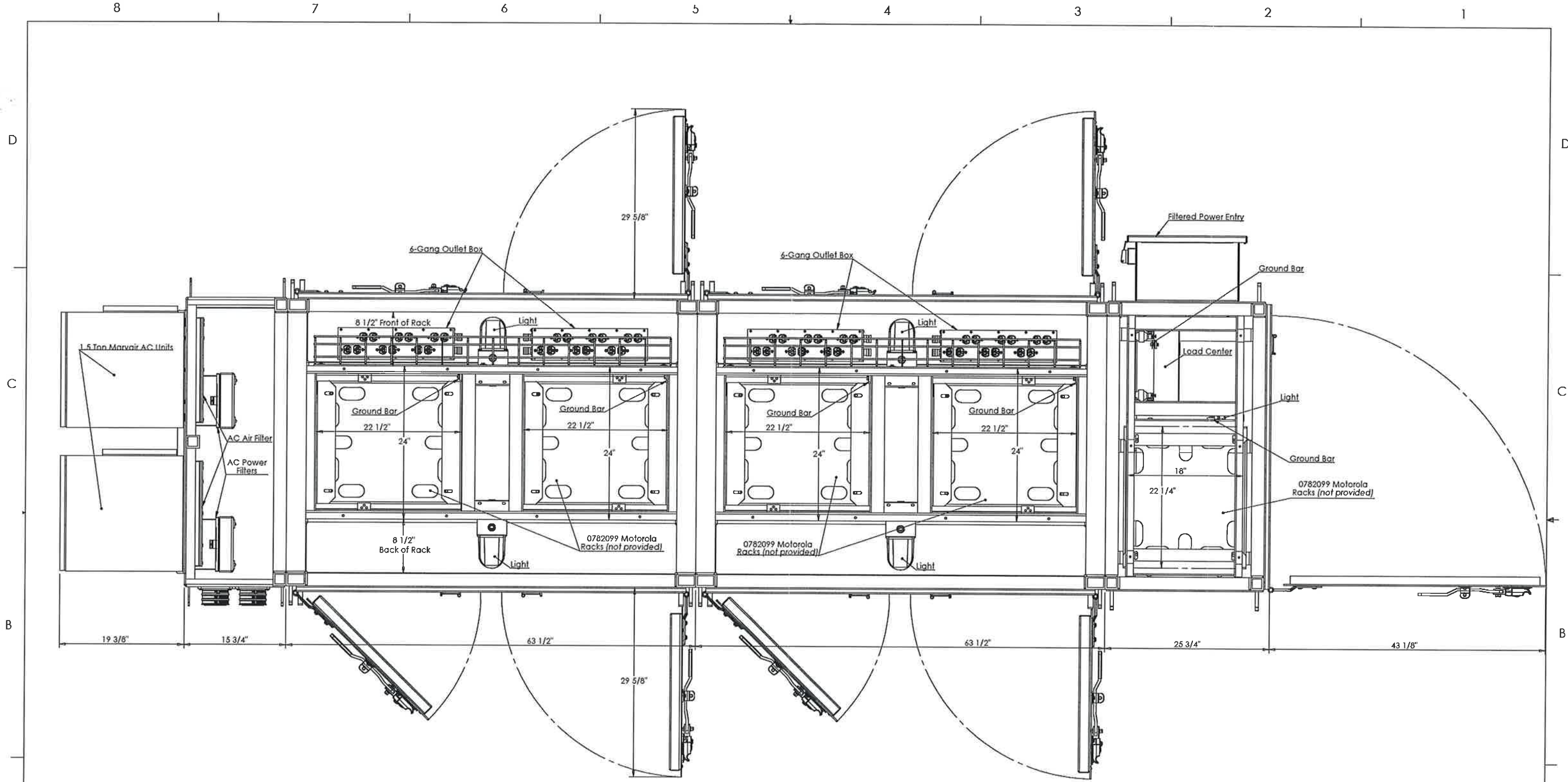
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		TOLERANCES:	CHECKED		
		FRACTIONAL ± 1/64	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±.01	Q.A.		
		THREE PLACE DECIMAL ±.005	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			



**TITLE:**  
 CLP4 Motorola-General Arrangement  
 Outside Dimensions

SIZE	DWG. NO.	REV
<b>B</b>	GN-137	

SCALE: 1:22 WEIGHT: SHEET 1 OF 2

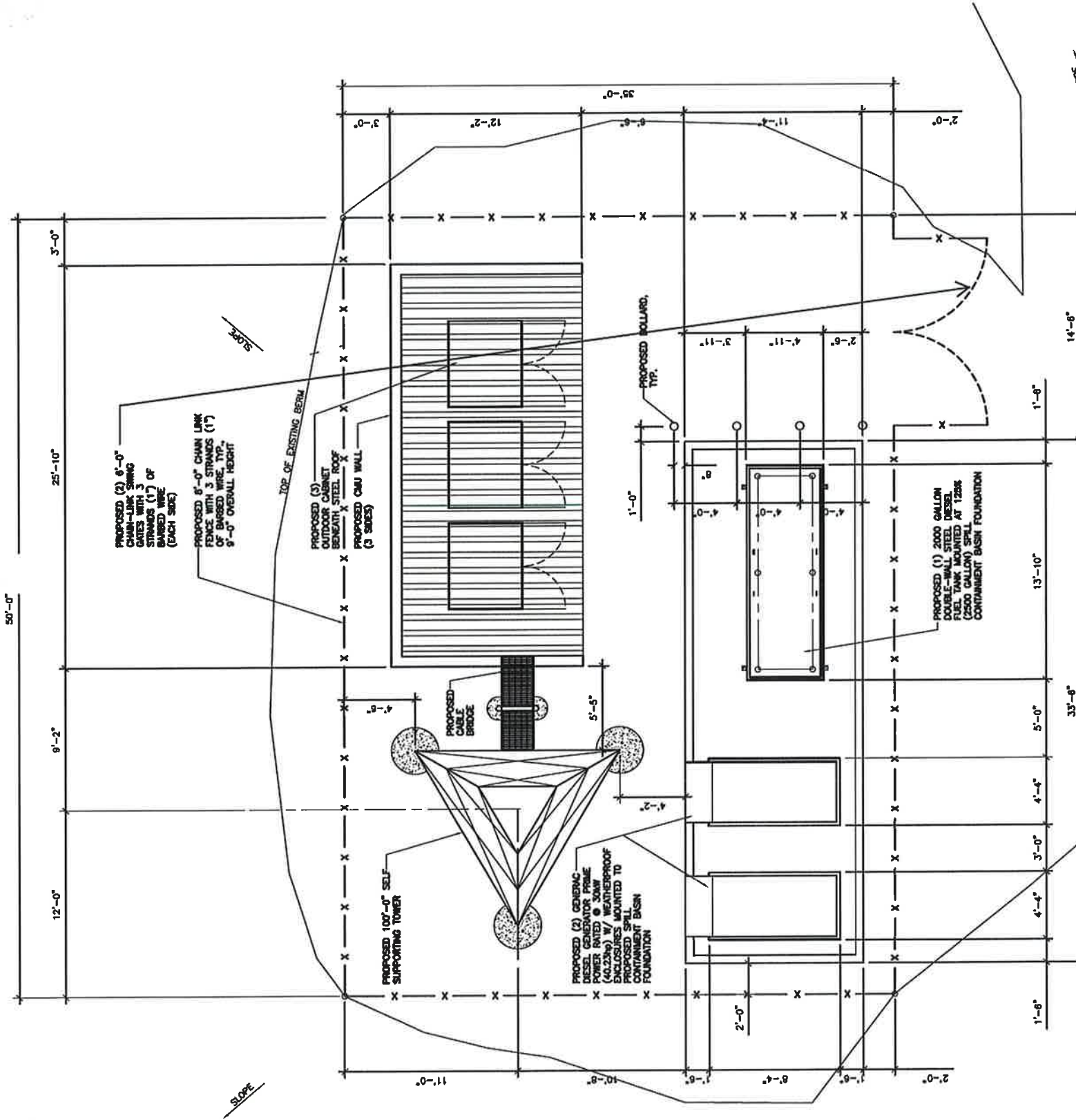


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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	AGF	9/22/08
		TOLERANCES:	CHECKED		
		FRACTIONAL ± 1/64	ENG APPR.		
		ANGULAR: MACH ±	MFG APPR.		
		TWO PLACE DECIMAL ±.01	Q.A.		
		THREE PLACE DECIMAL ±.005	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			



TITLE: CLP4 Motorola-General Arrangement Inside Dimensions  
 SIZE DWG. NO. REV  
**B** GN-137  
 SCALE: 1:15 WEIGHT: SHEET 2 OF 2



PROPOSED (2) 6'-0" CHAIN-LINK SWING GATES WITH 3 STRANDS (1") OF BARBED WIRE (EACH SIDE)

PROPOSED (2) 6'-0" CHAIN LINK FENCE WITH 3 STRANDS (1") OF BARBED WIRE, TYP. 9'-0" OVERALL HEIGHT

TOP OF EXISTING BERM

PROPOSED (3) OUTDOOR CABINET BENEATH STEEL ROOF PROPOSED CMU WALL (3 SIDES)

PROPOSED 100'-0" SELF-SUPPORTING TOWER

PROPOSED CABLE BRIDGE

PROPOSED (2) GENERATOR DIESEL GENERATOR FRAME POWER RATED @ 33KW (44.23hp) W/ WEATHERPROOF ENCLOSURE MOUNTED TO PROPOSED SPILL CONTAINMENT BASIN FOUNDATION

PROPOSED (1) 2000 GALLON DOUBLE-WALL STEEL DIESEL FUEL TANK MOUNTED AT 125% (2500 GALLON) SPILL CONTAINMENT BASIN FOUNDATION

PROPOSED BOLLARD, TYP.

SLOPE

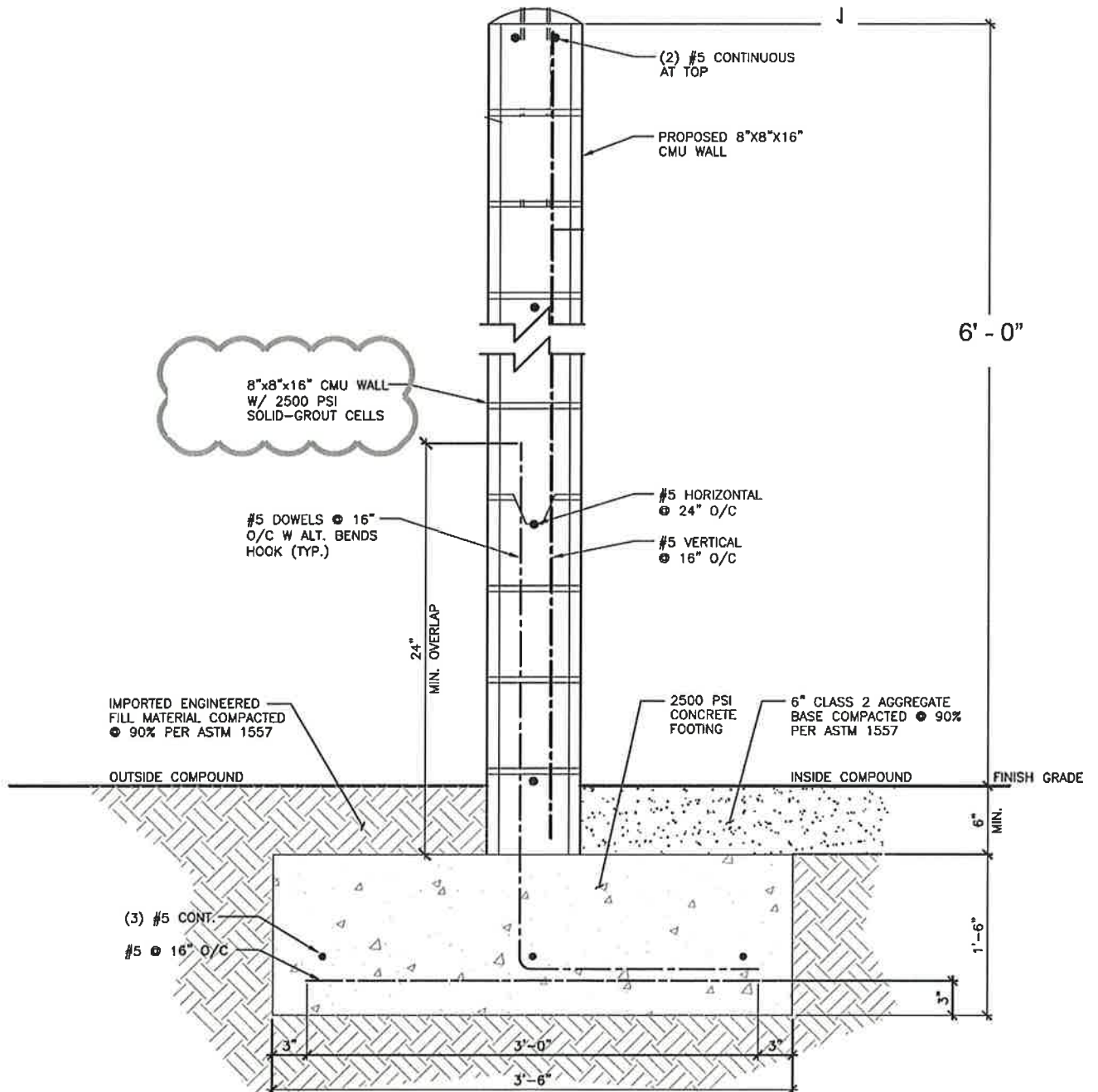
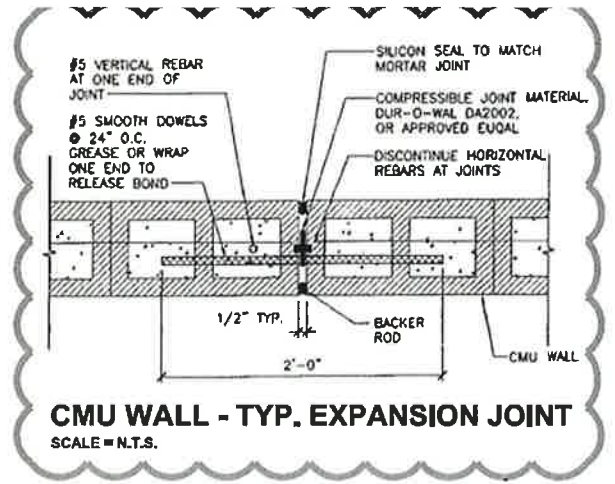
SLOPE



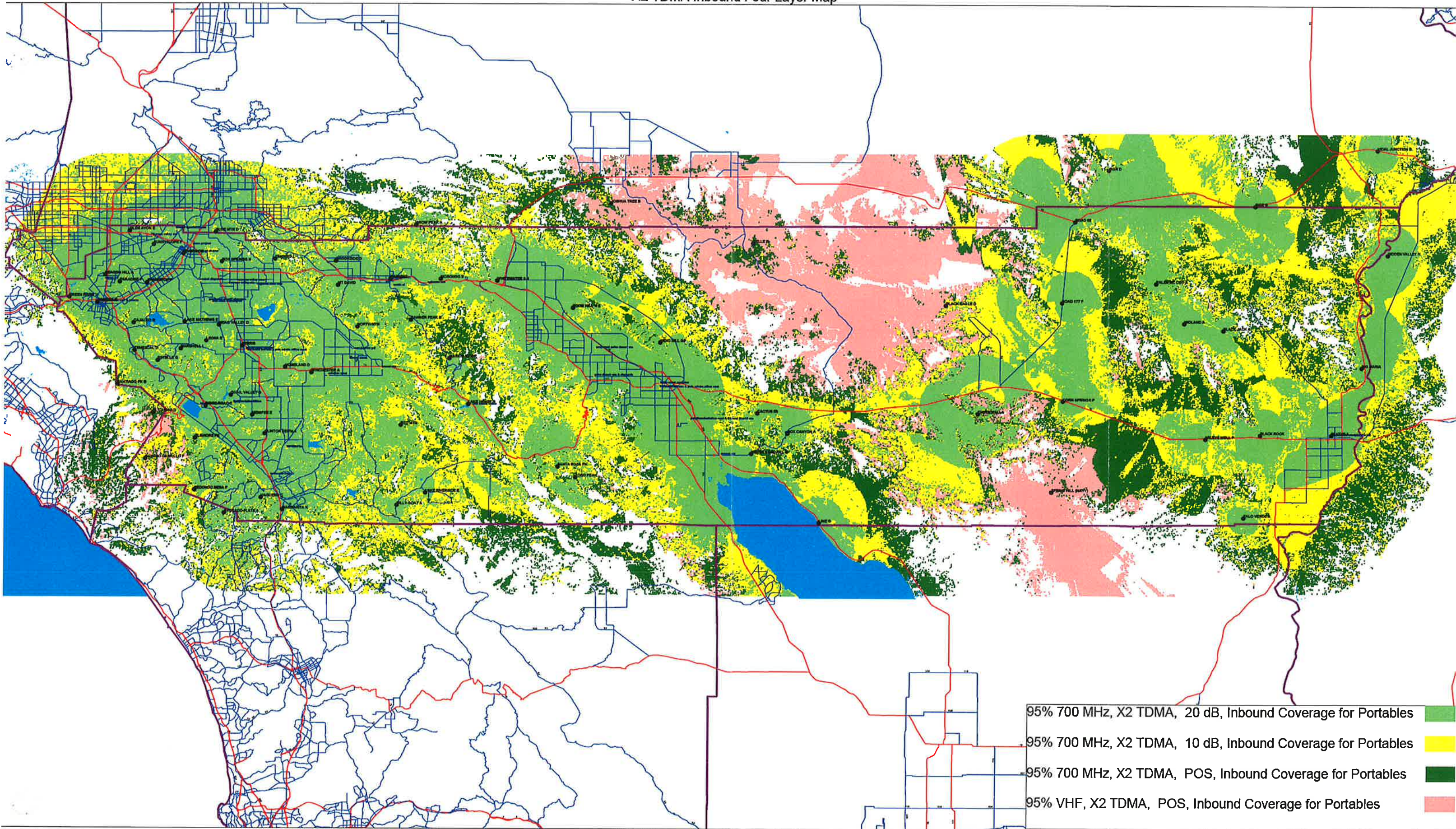
NOTES:

1. CONCRETE SHALL ATTAIN A COMPRESSIVE STRENGTH OF  $f'_c=2,500$  PSI MINIMUM AT 28 DAYS.
2. MORTAR SHALL ATTAIN A COMPRESSIVE STRENGTH OF 1,800 PSI MINIMUM AT 28 DAYS, CONFORMING TO ASTM C270 OR C1142.
3. GROUT SHALL ATTAIN A COMPRESSIVE STRENGTH EQUAL TO 2,500 PSI MINIMUM.

CONCRETE BLOCK UNITS SHALL BE MEDIUM WEIGHT UNITS CONFORMING TO ASTM C90, TYPE I (LATEST REVISION),  $F'_m=1800$  PSI. CONCRETE BLOCK UNITS ARE TO BE STAGGERED (COMMON BOND) AND ARE TO HAVE THE VERTICAL CONTINUITY OF THE CELLS UNOBSTRUCTED.



Countywide Composite Voice Radio System Coverage  
X2 TDMA Inbound Four Layer Map

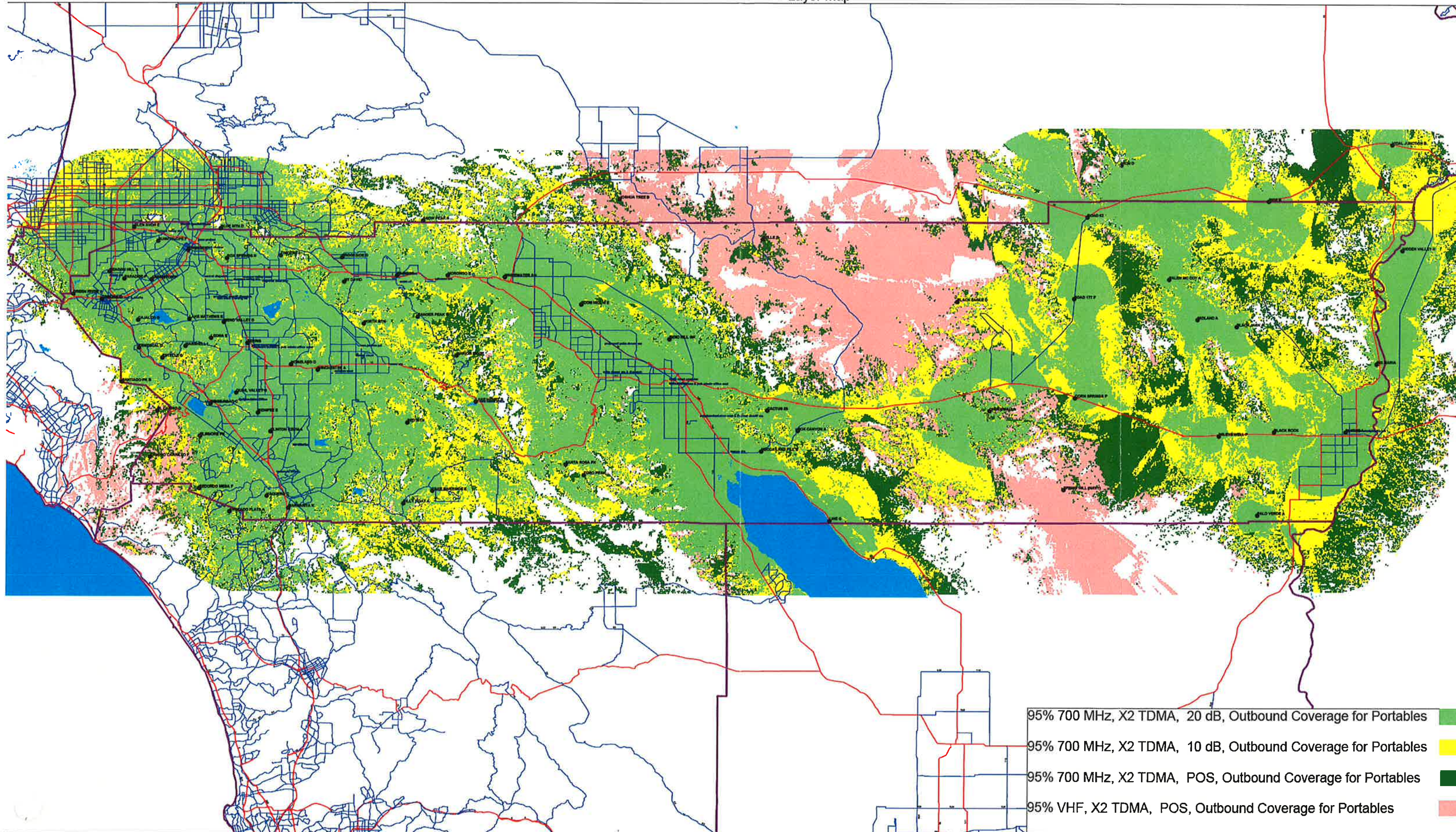


- 95% 700 MHz, X2 TDMA, 20 dB, Inbound Coverage for Portables ■
- 95% 700 MHz, X2 TDMA, 10 dB, Inbound Coverage for Portables ■
- 95% 700 MHz, X2 TDMA, POS, Inbound Coverage for Portables ■
- 95% VHF, X2 TDMA, POS, Inbound Coverage for Portables ■

6.08 12.15 mi  
inch = 6.08 miles @ 1/385000

700 MHz and VHF Composite Coverage  
Coverage for a Portable On Hip

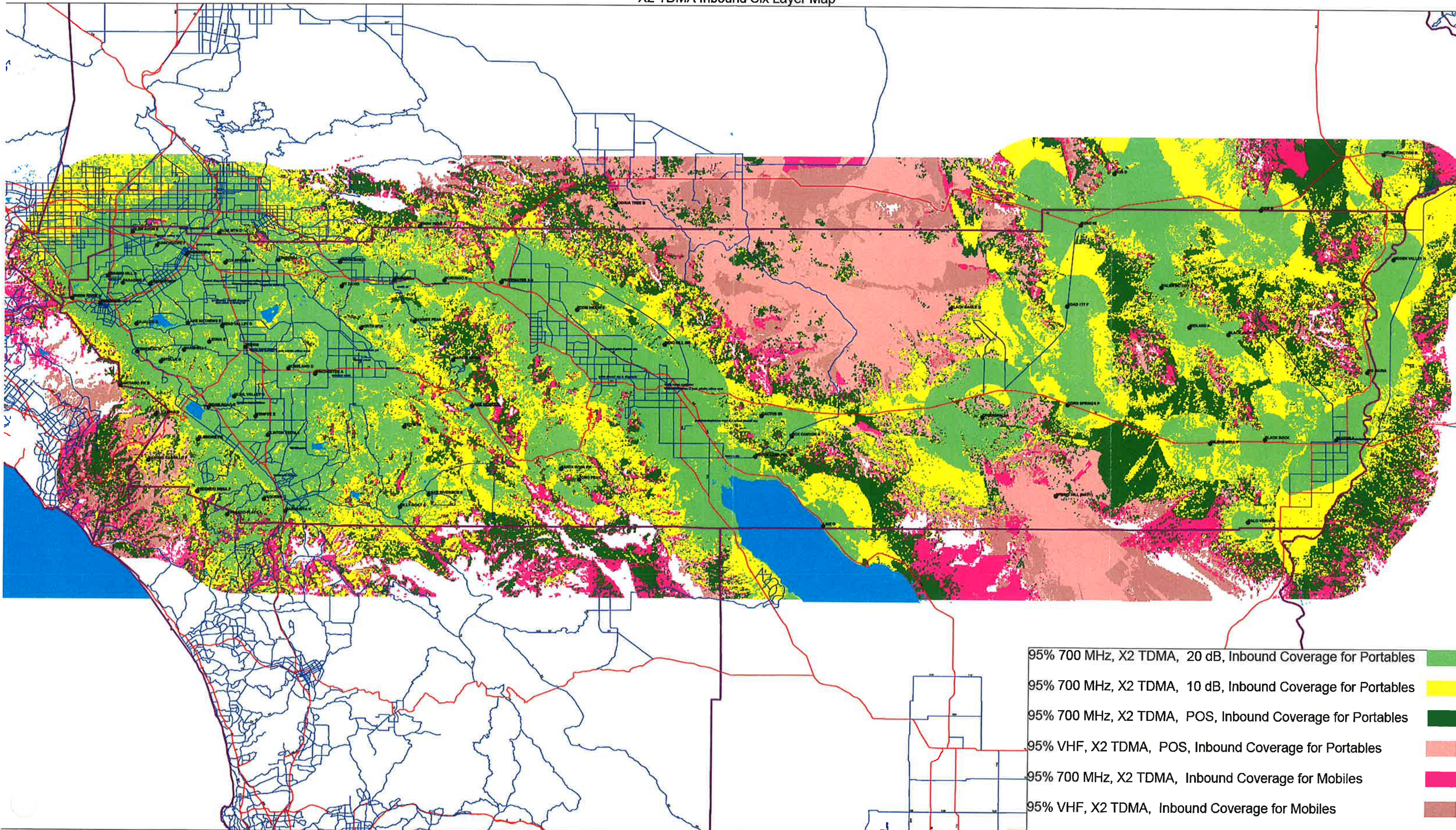
Countywide Composite Voice Radio System Coverage  
X2 TDMA Outbound Four Layer Map



6.08 12.15 mi  
inch = 6.08 miles @ 1/385000

700 MHz and VHF Composite Coverage  
Coverage for a Portable On Hip

Countywide Composite Voice Radio System Coverage  
X2 TDMA Inbound Six Layer Map

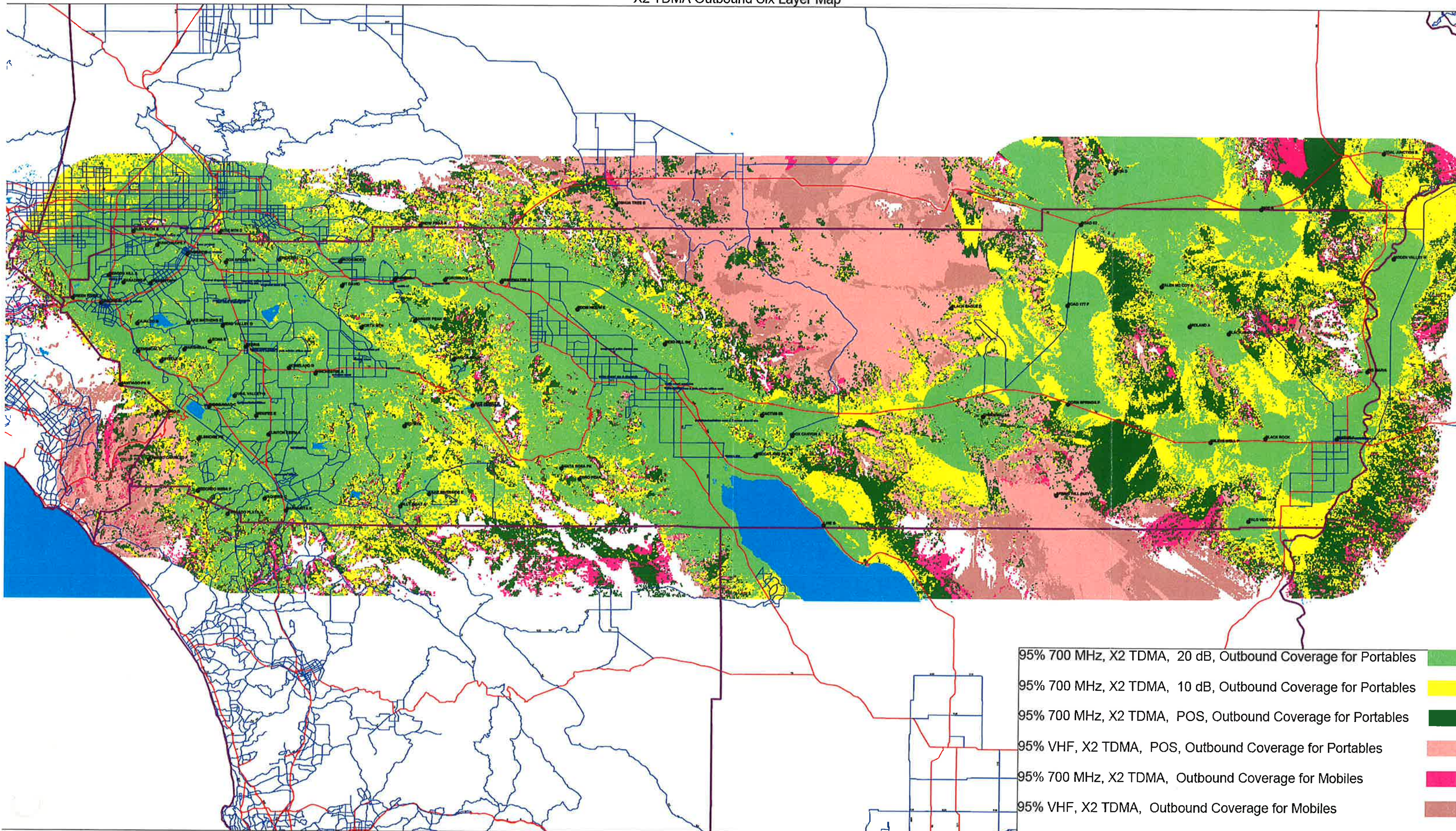


- 95% 700 MHz, X2 TDMA, 20 dB, Inbound Coverage for Portables ■
- 95% 700 MHz, X2 TDMA, 10 dB, Inbound Coverage for Portables ■
- 95% 700 MHz, X2 TDMA, POS, Inbound Coverage for Portables ■
- 95% VHF, X2 TDMA, POS, Inbound Coverage for Portables ■
- 95% 700 MHz, X2 TDMA, Inbound Coverage for Mobiles ■
- 95% VHF, X2 TDMA, Inbound Coverage for Mobiles ■

6.08 12.15 mi  
inch = 6.08 miles @ 1/385000

700 MHz and VHF Composite Coverage  
Coverage for a Portable On Hip and Mobile for Sedan on Roof Top

Countywide Composite Voice Radio System Coverage  
X2 TDMA Outbound Six Layer Map



- 95% 700 MHz, X2 TDMA, 20 dB, Outbound Coverage for Portables
- 95% 700 MHz, X2 TDMA, 10 dB, Outbound Coverage for Portables
- 95% 700 MHz, X2 TDMA, POS, Outbound Coverage for Portables
- 95% VHF, X2 TDMA, POS, Outbound Coverage for Portables
- 95% 700 MHz, X2 TDMA, Outbound Coverage for Mobiles
- 95% VHF, X2 TDMA, Outbound Coverage for Mobiles

6.08 12.15 mi  
inch = 6.08 miles @ 1/385000

700 MHz and VHF Composite Coverage  
Coverage for a Portable On Hip and Mobile for Sedan on Roof Top



# County of Riverside Public Safety Enterprise Communication

<b>Coverage Enhancement Acceptance Test Plans.....</b>	<b>1</b>
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1.1.2 Dynamic Frequency Blocking Tests.....	8
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# Coverage Enhancement Acceptance Test Plans





# 1.1 Coverage Enhancement ATP Tests



## 1.1.1 Point To Point Network Tests

### PTP Network

#### Physical Equipment Inspection

##### 1. DESCRIPTION

The PTP Power Indoor Unit (PIDU) and Lightning Protection Unit (LPU) must be visually inspected to verify that the equipment is free of physical defects, all connections and cables are organized and secured, and to verify the equipment is mounted to R56 standards.

##### 2. SETUP

The contractor should have all equipment installed according to the PTP600 User Manual prior to Acceptance Testing.

##### 3. TEST

Step 1. Verify PIDU and LPU are properly mounted according to R56 standards.

Step 2. Verify the equipment does not have any visible physical damage.

Step 3. Verify the cables are neatly run and the connections are all securely terminated.

Step 4. Verify the LPU is installed and connected according to the PTP600 User Manual.

PASS \_\_\_\_\_ FAIL \_\_\_\_\_

Date: \_\_\_/\_\_\_/\_\_\_

County of Riverside Representative:

Motorola Representative: \_\_\_\_\_



## PTP Network

### Link Connectivity Test – Throughput Requirement Verification

#### 1. DESCRIPTION

Using the PTP600 web management interface, confirm performance speeds are being exhibited according to design minimum throughput.

#### 2. SETUP

Connect a computer to the web interface for accessing the PTP link details.

#### 3. TEST

Step 1. Reference the System Statistics page and verify the Transmit and Receive Data Rate matches or exceeds the design minimum throughput.

Step 2. Verify the Link Mode Optimization is set to TDM if the Wayside T1s are intended to be prioritized over IP traffic.

Step 3. Verify the Transmit Modulation Mode and Receive Modulation Mode are configured to match the highest level of required uptime versus required throughput.

Step 4. Verify the correct Channel Bandwidth is selected.

Step 5. Verify the proper software licensing of the speed/channel bandwidth is installed.

PASS \_\_\_\_\_ FAIL \_\_\_\_\_

Date: \_\_\_/\_\_\_/\_\_\_

County of Riverside Representative:

Motorola Representative:



## PTP Network

### Link Connectivity Test – Spectrum Management Verification

#### 1. DESCRIPTION

Using the PTP600 web management interface, confirm the interference levels are acceptable and the proper channel selection settings are enabled.

#### 2. SETUP

Reference the PTP600 User Manual (section 8.3.7) for details.

#### 3. TEST

Step 1. Access the Spectrum Management configuration and confirm that “Fixed Frequency Mode” is selected. Reference the section 8.3.8 of the PTP600 User Manual.

Step 2. Confirm that acceptable levels of interference exist on the TX (local) and RX (remote) channels for the Master PTP unit.

Step 3. Confirm that acceptable levels of interference exist on the TX (local) and RX (remote) channels for the Slave PTP unit.

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PASS \_\_\_\_ FAIL \_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

County of Riverside Representative:

Motorola Representative:



## PTP Network

### Link Connectivity Test – Wayside T1 Testing

#### 1. DESCRIPTION

This test will verify all T1 settings and errors meet system requirements.

#### 2. SETUP

Connect a computer to the web interface for accessing the PTP link details. Use the built in PTP600 BER measuring capability or alternate BER measurement equipment.

#### 3. TEST

Step 1. Verify the T1 circuit provided by the PTP600 unit meets the required Bit Error Rate (BER) threshold for errors over a 24 hour period.

Test	T1 #1	T1 #2
BER		

PASS  FAIL  Date: \_\_\_/\_\_\_/\_\_\_

County of Riverside Representative:

Motorola Representative:

**PS/EC**  
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*To Better Serve the County of Riverside.*



## PTP Network

### Link Connectivity Test – T1 over IP Emulation (RAD IP-Mux) Testing

#### 1. DESCRIPTION

Conduct tests for all configured T1 emulation circuits (typically via RAD IP-Mux). Verify all T1 settings and errors meet system requirements.

#### 2. SETUP

Connect a computer to the web interface for accessing the PTP link details. Use the built in PTP600 BER measuring capability or alternate BER measurement equipment.

#### 3. TEST

Step 1. Verify the T1 circuit provided by the T1 Emulation unit meets the required Bit Error Rate (BER) threshold for errors over a 24 hour period.

Test	T1 #1	#2	#3	#4	#5
BER					

Test	T1 #6	#7	#8	#9	#10
BER					

Test	T1 #11	#12	#13	#14	#15
BER					

PASS \_\_\_\_\_ FAIL \_\_\_\_\_

Date: \_\_\_/\_\_\_/\_\_\_

County of Riverside Representative:

Motorola Representative:



## 1.1.2 Dynamic Frequency Blocking Test

### Dynamic Frequency Blocking Features

#### DFB and System Busy Verification

##### 1. DESCRIPTION

Dynamic Frequency Blocking (DFB) prevents two interfering channels from being used at the same time in the same system. When geographically adjacent sites with significant coverage overlap are configured with an identical frequency, the system will block the assignment of the frequency at one of the sites when the other site has the frequency assigned. The DFB enabled channel will be blocked at the channel level not at the X2-TDMA level which means that if a frequency is being used at another site both X2-TDMA slots will be blocked.

##### 2. SETUP

RADIO-1 - CHANNEL 1 (all channels except channel 1 and the control channel have been manually disabled)

RADIO-1 - SITE - SITE 1

RADIO-2 - CHANNEL 2 (all channels except channel 2 and the control channel have been manually disabled)

RADIO-2 - SITE - SITE 2

Interfering Database in Network Manager

\* In order for the DFB Channel property to be submitted, the Home/Control Channel Capable, BSI Enable, and Failsoft Capable properties must be disabled.

##### 3. TEST

Step 1. In the UNC wizard, select channel under RF Site Level Configuration.

Step 2. Select the desired zone, Site 1, Channel 1, and change the DFB Channel parameter to Enable. Repeat the same procedures for Site 2, Channel 2.

Step 3. Go to the Schedule Manager in Voyence Control and approve the pending job.

Step 4. Key up RADIO-1, observe that a system busy is issued by the Zone Controller and that CHANNEL 2 cannot be assigned for RADIO-2.

PASS \_\_\_\_\_ FAIL \_\_\_\_\_

Date: \_\_\_/\_\_\_/\_\_\_

County of Riverside Representative:

Motorola Representative:



## 1.1.3 Transportable DVRS Tests

### Transportable DVRS Features

DVRS System Mode: 700 MHz Portable to 700 MHz Portable Through DVRS

#### 1. DESCRIPTION

The Vehicular Repeater System Model allows 700 MHz Portables to talk to each other through the Digital Vehicular Repeater System (DVRS), which amplifies the inbound 700 MHz Portable's signal and re-broadcasts the signal with higher power to the local area and also through the mobile out to the trunked radio system. The mobile radio must be within reliable system coverage. For the in-band DVRS, the mobile radio must be within 700 MHz site coverage. For the cross-band DVRS, the mobile must be within VHF site coverage. This test will focus on the in-band DVRS.

#### 2. SETUP

DVRS-M1 - DVRS TALKGROUP 1  
DVRS-M1 - NORTHWEST CELL  
RADIO 1 - DVRS TALKGROUP 1  
RADIO 2 - DVRS TALKGROUP 1  
RADIO 3 - TALKGROUP 1

\* RADIO 1 & 2 are within DVRS coverage.

#### 3. TEST

- Step 1. Press the VRS button on front of the DVRS-M1 control head to enable the DVRS "System Mode".
- Step 2. Press the PTT button on RADIO 1 and verify that RADIO 2, and RADIO 3 hear the audio and see the unit ID of RADIO 1.
- Step 3. Press the PTT button on RADIO 2 and verify that RADIO 1, and RADIO 3 hear the audio and see the unit ID of RADIO 2.
- Step 4. Using RADIO 3 respond to RADIO 2 and verify that RADIO 1 and RADIO 2 hear the audio and see the unit ID of RADIO 3.

PASS \_\_\_\_\_ FAIL \_\_\_\_\_

Date: \_\_\_/\_\_\_/\_\_\_

County of Riverside Representative:

Motorola Representative:





## Transportable DVRS Features

### DVRS System Mode: 700 MHz Portable Emergency Alert and Call Through DVRS

#### 1. DESCRIPTION

The Digital Vehicular Repeater System enables 700 MHz Portable users to use the emergency button on the radio to send an audible and visual alarm signal to a Dispatch console operators. The emergency alarm is transmitted through the DVRS and displayed at the Dispatch console operator positions.

An emergency alarm begins after the radio user presses the radio's emergency button. Pressing the emergency button sends out an "Emergency Alert" to Dispatch. The radio user must then press the radio's PTT button to proceed with Emergency Call. The DVRS will transmit the Emergency Call on the mobile and into the System. The assigned voice channel will be dedicated to the emergency caller's talkgroup.

#### 2. SETUP

DVRS-M1 - DVRS TALKGROUP 1  
DVRS-M1 - NORTHWEST CELL  
RADIO 1 - DVRS TALKGROUP 1  
RADIO 2 - DVRS TALKGROUP 1  
CONSOLE OP-1

\* RADIO 1 & 2 are within DVRS coverage.

#### 3. TEST

- Step 1. Press the VRS button on front of the DVRS-M1 control head to enable the DVRS "System Mode" of operation.
- Step 2. Press the PTT button on RADIO 1 and verify that RADIO 2 and CONSOLE OP-1 hear the audio and see the unit ID of RADIO 1.
- Step 3. Initiate an Emergency Alert from RADIO 1 by pressing the emergency button.
- Step 4. Observe that the Emergency Alert from RADIO 1 is received at CONSOLE OP-1 on TALKGROUP 1.
- Step 5. Acknowledge the Emergency Alert from RADIO 1 at CONSOLE OP-1.
- Step 6. Press the PTT button the RADIO 1 to proceed with the Emergency Call to CONSOLE OP-1.
- Step 7. Reply to the RADIO 1 Emergency Call with CONSOLE OP-1. Observe that the call takes place.
- Step 8. Clear the Emergency from CONSOLE OP-1 on the assigned TALKGROUP 1.
- Step 9. Reset the Emergency Alert on RADIO 1.



PASS \_\_\_\_\_ FAIL \_\_\_\_\_

Date: \_\_\_/\_\_\_/\_\_\_

County of Riverside Representative:

Motorola Representative:



ID	Task Name	Duration	Start	Finish	Predecessors
1	PSEC Enhanced Coverage Implementation Plan	868 days	3/31/09	9/21/12	
2	10 New EC Sites Selection	224 days	3/31/09	2/24/10	
3	Coverage Enhancement NTP	0 days	3/31/09	3/31/09	
4	Finalize Site Selections	224 days	3/31/09	2/24/10	3
5	Acquisition NTP	0 days	2/24/10	2/24/10	4
6	EC Sites Design/Construction	425 days	2/24/10	1/12/11	
7	EC Sites 1-3 - County	300 days	2/25/10	5/6/11	
8	EC Sites 1-3 - A&E	230 days	2/25/10	1/28/11	
9	EC Sites 1-3 Acquire EC Sites	110 days	2/25/10	7/30/10	8
10	EC Sites 1-3 Zoning Drawings NTP	0 days	7/30/10	7/30/10	9
11	EC Sites 1-3 Site Walk A/E Evaluation	10 days	8/2/10	8/13/10	10
12	EC Sites 1-3 2 Pager Drawing Generation	5 days	8/16/10	8/20/10	11
13	EC Sites 1-3 Zoning Drawings Complete	0 days	8/20/10	8/20/10	12
14	EC Sites 1-3 Zoning Drawings Approval by County	10 days	8/23/10	9/3/10	13
15	EC Sites 1-3 Soils Study NTP	0 days	9/3/10	9/3/10	14
16	EC Sites 1-3 Soils Report	20 days	9/7/10	10/4/10	15
17	EC Sites 1-3 Construction Drawings NTP	0 days	9/3/10	9/3/10	16
18	EC Sites 1-3 Construction Drawings Generation	20 days	11/2/10	12/1/10	17
19	EC Sites 1-3 Construction Drawings Review	35 days	12/2/10	1/28/11	18
20	EC Sites 1-3 Construction NTP	0 days	1/28/11	1/28/11	19
21	EC Sites 1-3 - Construction	100 days	12/9/10	5/6/11	
22	Site 1 - Construction	99 days	12/10/10	5/6/11	
23	Site Requirements	90 days	12/10/10	4/25/11	
24	Order Tower	1 day	1/18/11	1/18/11	23
25	Order Shelter	1 day	12/10/10	12/10/10	24
26	Permits issued and schedule inspections	1 day	1/31/11	1/31/11	25
27	Mobilize crews	2 days	2/1/11	2/2/11	26
28	Install silt fence	1 day	2/1/11	2/1/11	27
29	Install straw bale sediment barrier	1 day	2/1/11	2/1/11	28
30	Grade access road	1 day	2/3/11	2/3/11	29
31	Gravel access road	1 day	2/3/11	2/3/11	30
32	Install culverts	1 day	2/3/11	2/3/11	31
33	Initial site clearing	3 days	2/4/11	2/8/11	32
34	Clear access road	2 days	2/4/11	2/7/11	33
35	Remove existing pavement	1 day	2/4/11	2/4/11	34
36	Grade compound	1 day	2/9/11	2/9/11	35
37	Install earth fill	3 days	2/9/11	2/11/11	36
38	Construct swales	1 day	3/28/11	3/28/11	37
39	Install riprap & check dam	1 day	3/28/11	3/28/11	38
40	Install erosion control blanket	1 day	3/28/11	3/28/11	39
41	Install security fence	5 days	4/7/11	4/13/11	40

Project: PSEC Implementation Schedu  
Date: 7/29/10

External Tasks

External MileTask

Split

Milestone

Summary

Project Summary

Page 1

ID	Task Name	Duration	Start	Finish	Predecessors	Year								
						2009	2010	2011	2012					
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
42	Install compound graveling	3 days	4/14/11	4/18/11	41									
43	Site touchup and landscaping	3 days	4/19/11	4/21/11	42									
44	Replace pavement	2 days	4/22/11	4/25/11	43									
45	<b>Foundations, Ice-Bridge, Shelter, &amp; Generat</b>	<b>31 days</b>	<b>2/14/11</b>	<b>3/28/11</b>										
46	Install tower foundation	8 days	2/14/11	2/23/11	36,37									
47	Install shelter and generator foundations	6 days	2/24/11	3/3/11	46									
48	Install fuel tank foundations	1 day	2/24/11	2/24/11	46									
49	Install exterior grounding for all systems	2 days	3/4/11	3/7/11	47,48									
50	Install exterior grounding for all systems	1 day	3/8/11	3/8/11	49,63,59									
51	Install grounding electrode system	3 days	3/15/11	3/17/11	50,80									
52	Install electrical service entrance and hook	2 days	3/18/11	3/21/11	51									
53	Install waveguide ice-bridge	1 day	3/23/11	3/23/11	60									
54	Arrange equipment for shelter delivery	1 day	3/23/11	3/23/11	60									
55	Install shelter	2 days	3/24/11	3/25/11	54									
56	Install fuel tanks	1 day	3/28/11	3/28/11	55									
57	Install fuel tank monitor	42 days	1/31/11	3/29/11										
58	<b>Tower Installation</b>	<b>0.5 days</b>	<b>1/31/11</b>	<b>1/31/11</b>	<b>20</b>									
59	Generate permit applications and safety pl	1 day	3/4/11	3/4/11	48,58									
60	Install tower grounding	3 days	3/18/11	3/22/11	59									
61	Install tower	1 day	3/29/11	3/29/11	60,60									
62	Install ice shields	24 days	3/4/11	4/6/11										
63	<b>Antenna and Transmission Lines</b>	<b>1 day</b>	<b>3/4/11</b>	<b>3/4/11</b>	<b>48</b>									
64	Install gound buss bar	1 day	3/29/11	3/29/11	63									
65	Install antenna side arms	1 day	3/29/11	3/29/11	63									
66	Install microwave dish mounts	1 day	3/29/11	3/29/11	63									
67	Install small Omni stick antenna	1 day	3/30/11	3/30/11	65									
68	Install large Omni stick antenna	1 day	3/30/11	3/30/11	65									
69	Install GPS antenna	1 day	3/30/11	3/30/11	65									
70	Install tower top amp	1 day	3/31/11	3/31/11	68									
71	Install 1/2" coaxial transmission lines	1 day	3/31/11	3/31/11	68									
72	Install 7/8" coaxial transmission lines	1 day	3/31/11	3/31/11	68									
73	Install 1-5/8" coaxial transmission lines	1 day	3/31/11	3/31/11	68									
74	Install transmission line grounding	1 day	3/31/11	3/31/11	68									
75	Install microwave dish	1 day	4/1/11	4/1/11	72,73									
76	Install waveguides	1 day	4/1/11	4/1/11	72,73									
77	Align microwave path	2 days	4/5/11	4/6/11	76									
78	Perform Antenna System Test on transmis:	4 days	3/9/11	3/14/11										
79	<b>Ground Enhancement</b>	<b>2 days</b>	<b>3/9/11</b>	<b>3/10/11</b>	<b>50</b>									
80	Install radial ground runs	2 days	3/11/11	3/14/11	79									
81	Install electrolytic ground rods	70 days	1/31/11	5/6/11										
82	<b>Site Clean-up &amp; Close-out</b>	<b>1 day</b>	<b>1/31/11</b>	<b>1/31/11</b>	<b>20</b>									

Project: PSEC Implementation Schedu  
Date: 7/29/10

Task  Milestone

Split  Summary

Progress  Project Summary

External Tasks

External MileTask

Split

ID	Task Name	Duration	Start	Finish	Predecessors	Year																
						2009			2010			2011			2012							
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
83	Perform site acceptance walk	0.5 days	4/26/11	4/26/11	44,82																	
84	Complete punchlist	5 days	4/26/11	5/3/11	83																	
85	Perform R-56 audit	0.5 days	5/3/11	5/3/11	84																	
86	Prepare "Red Line" drawings	0.5 days	5/4/11	5/4/11	85																	
87	obtain building permit, utility certs, & cert of	3 days	5/4/11	5/6/11	85																	
88	Site Ready Installation	0 days	5/6/11	5/6/11	87																	
89	<b>Site 2 - Construction</b>	<b>100 days</b>	<b>12/9/10</b>	<b>5/6/11</b>																		
90	Order Tower	1 day	1/14/11	1/14/11	93SS-10 days																	
91	Order Shelter	1 day	12/9/10	12/9/10	93SS-30 days																	
92	Permit Issued	0 days	1/28/11	1/28/11	120																	
93	Foundations Complete	20 days	1/31/11	2/25/11	92																	
94	Set Shelter	25 days	2/28/11	4/1/11	93																	
95	Erect Tower	25 days	2/28/11	4/1/11	93																	
96	Site Ready (R-56 Pre-Audit)	25 days	4/4/11	5/6/11	94,94																	
97	<b>Site 3 - Construction</b>	<b>100 days</b>	<b>12/9/10</b>	<b>5/6/11</b>																		
98	Order Tower	1 day	1/14/11	1/14/11	101SS-10 days																	
99	Order Shelter	1 day	12/9/10	12/9/10	101SS-30 days																	
100	Permit Issued	0 days	1/28/11	1/28/11	120																	
101	Foundations Complete	20 days	1/31/11	2/25/11	100																	
102	Set Shelter	25 days	2/28/11	4/1/11	101																	
103	Erect Tower	25 days	2/28/11	4/1/11	101																	
104	Site Ready (R-56 Pre-Audit)	25 days	4/4/11	5/6/11	103,102																	
105	<b>EC Sites 4-7 - Federal</b>	<b>355 days</b>	<b>2/24/10</b>	<b>7/26/11</b>																		
106	<b>EC Sites 4-7 - A&amp;E</b>	<b>285 days</b>	<b>2/24/10</b>	<b>4/15/11</b>																		
107	EC Sites 4-7 Zoning Drawings NTP	0 days	2/24/10	2/24/10	5																	
108	EC Sites 4-7 Site Walk A/E Evaluation	10 days	2/25/10	3/10/10	107																	
109	EC Sites 4-7 2 pager Generation	5 days	3/11/10	3/17/10	108																	
110	EC Sites 4-7 Soils Study NTP	0 days	3/17/10	3/17/10	109																	
111	EC Sites 4-7 Soils Report	20 days	3/18/10	4/14/10	110																	
112	EC Sites 4-7 Construction Drawings NTP	0 days	3/17/10	3/17/10	109																	
113	EC Sites 4-7 Construction Drawings Generation	20 days	4/15/10	5/12/10	112,111																	
114	EC Sites 4-7 NEPA	195 days	5/13/10	2/25/11	113																	
115	EC Sites 4-7 Construction Drawings Finalize	35 days	2/28/11	4/15/11	114																	
116	EC Sites 4-7 Construction NTP	0 days	4/15/11	4/15/11	115,114																	
117	<b>EC Sites 4-7 - Construction</b>	<b>70 days</b>	<b>4/18/11</b>	<b>7/26/11</b>																		
118	Site 4 - Federal - Construction	70 days	4/18/11	7/26/11	116																	
119	Site 5 - Federal - Construction	70 days	4/18/11	7/26/11	116																	
120	Site 6 - Federal - Construction	70 days	4/18/11	7/26/11	116																	
121	Site 7 - Federal - Construction	70 days	4/18/11	7/26/11	116																	
122	<b>EC Sites 8-10 - Federal</b>	<b>425 days</b>	<b>2/24/10</b>	<b>11/2/11</b>																		
123	<b>EC Sites 8-10 - A&amp;E</b>	<b>305 days</b>	<b>2/24/10</b>	<b>5/13/11</b>																		



Project: PSEC Implementation Schedu  
 Date: 7/29/10

Legend:  
 Task: [Solid Bar]  
 Split: [Dashed Bar]  
 Progress: [Thick Bar]  
 Milestone: [Diamond]  
 Summary: [Thick Dashed Bar]  
 Project Summary: [Thick Solid Bar]

External Tasks: [Diamond]  
 External MileTask: [Diamond]

Split: [Arrow]  
 Split: [Arrow]

ID	Name	Duration	Start	Finish	Predecessors				
		2009		2010		2011		2012	
		Q4 Q1 Q2 Q3 Q4		Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4		Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4		Q1 Q2 Q3 Q4 Q1	
124	EC Sites 8-10 Zoning Drawings NTP	0 days	2/24/10	2/24/10					
125	EC Sites 8-10 Site Walk A/E Evaluation	10 days	3/11/10	3/24/10	108				
126	EC Sites 8-10 2 Pager Generation	5 days	3/25/10	3/31/10	125				
127	EC Sites 8-10 Soils Study NTP	0 days	3/31/10	3/31/10	126				
128	EC Sites 8-10 Soils Report	20 days	4/1/10	4/28/10	127				
129	EC Sites 8-10 Construction Drawings NTP	0 days	3/31/10	3/31/10	126				
130	EC Sites 8-10 Construction Drawings Generation	20 days	5/13/10	6/10/10	129, 128, 113				
131	EC Sites 8-10 NEPA	195 days	6/11/10	3/25/11	130				
132	EC Sites 8-10 Construction Drawings Review	35 days	3/28/11	5/13/11	131				
133	EC Sites 8-10 Construction NTP	0 days	5/13/11	5/13/11	132, 131				
134	EC Sites 8-10 - Construction	70 days	7/27/11	11/2/11					
135	Site 8 - Federal - Construction	70 days	7/27/11	11/2/11	133, 118				
136	Site 9 - Federal - Construction	70 days	7/27/11	11/2/11	133, 119				
137	Site 10 - Federal - Construction	70 days	7/27/11	11/2/11	133, 120				
138	10 Site System Design	132 days	2/25/10	8/31/10					
139	Spectrum Verification	42 days	5/20/10	7/20/10	4FS+60 days				
140	10 Site Coverage	40 days	5/20/10	7/16/10	139SS				
141	Interference Analysis	30 days	7/21/10	8/31/10	139				
142	Network Verification	90 days	2/25/10	7/1/10					
143	Site Walks	90 days	2/25/10	7/1/10	142SS				
144	Drawing Generation	15 days	7/2/10	7/23/10	143				
145	System Description	20 days	7/2/10	7/30/10	144SS				
146	County Approval of EC DRD - Contract Incentive Milestone	20 days	8/2/10	8/27/10	145				
147	CCSI Staging	119 days	7/26/10	1/20/11					
148	Finalize Equipment List	10 days	7/26/10	8/6/10	144				
149	Order Fulfillment	10 days	8/9/10	8/20/10	148				
150	Equipment Delivery	55 days	8/23/10	11/8/10	149				
151	Staging Plan	6 days	11/1/10	11/8/10	150FF				
152	Build Equipment	19 days	11/9/10	12/7/10	150				
153	Test Optimize	10 days	12/8/10	12/21/10	152				
154	Perform Complete Functional Test	5 days	12/22/10	1/5/11	153				
155	Prep for Shipping	10 days	1/6/11	1/20/11	154				
156	CCSI Ship Equipment	0 days	1/20/11	1/20/11	155				
157	Microwave/PTP and Antenna installations	215 days	1/23/11	11/23/11					
158	Phase 1 Microwave Acceptance	0 days	1/23/11	1/23/11					
159	Phase 2 Microwave/PTP installations	65 days	8/24/11	11/23/11	135FF+15 days				
160	Materials Management	10 days	2/4/11	2/17/11					
161	Receive, Verify, Log, and Store Equipment	5 days	2/4/11	2/10/11	156FS+10 days				
162	Inventory Documentation	5 days	2/11/11	2/17/11	161				
163	Radio FNE Installations	64 days	9/23/11	1/3/12					
164	Site Equipment Installation	64 days	9/23/11	1/3/12					

Project: PSEC Implementation Schedu  
Date: 7/29/10  
Task Milestone External Tasks  
Split Summary External MileTask  
Progress Project Summary Split

ID	Task Name	Duration	Start	Finish	Predecessors
165	First Site Installation	4 days	9/23/11	9/29/11	
166	Installation Voice at first site	2 days	9/23/11	9/26/11	162,88,96,104
167	Link Verification	1 day	9/27/11	9/27/11	166
168	Site FNE Optimization	1 day	9/28/11	9/28/11	167
169	FNE Installation Complete	0 days	9/29/11	9/29/11	168
170	Remaining EC Sites	60 days	9/29/11	1/3/12	169,159FF+20
171	FNE Installation Complete for voice	0 days	1/3/12	1/3/12	170
172	System Optimization	60 days	1/4/12	3/28/12	
173	System FNE	60 days	1/4/12	3/28/12	171
174	System	0 days	3/28/12	3/28/12	173
175	Acceptance Test	125 days	1/4/12	6/28/12	
176	R-56 Audit	55 days	1/4/12	3/21/12	
177	R-56 RF EC Sites	25 days	1/4/12	2/8/12	170
178	R-56 Punchlist Resolution	30 days	2/9/12	3/21/12	177
179	Coverage	65 days	3/29/12	6/28/12	
180	CATP Preparation	10 days	3/29/12	4/11/12	174
181	Run Voice CATP	45 days	4/12/12	6/14/12	180
182	CATP Report	10 days	6/15/12	6/28/12	181
183	Finalize	114 days	4/12/12	9/21/12	
184	Cut-Over	95 days	4/12/12	8/24/12	
185	Planning	20 days	4/12/12	5/9/12	180
186	Customer Agreement	0 days	6/28/12	6/28/12	185,182
187	Cut-over	40 days	6/29/12	8/24/12	186
188	Acceptance For Service - Contract Incentive Mileston	0 days	8/24/12	8/24/12	187
189	Contract Items	5 days	9/17/12	9/21/12	
190	Punchlist Resolution	5 days	9/17/12	9/21/12	187FS+14 days
191	Service Transition/PTC	5 days	9/17/12	9/21/12	190SS
192	Documentation	5 days	9/17/12	9/21/12	191SS
193	Final Project Completion - Contract Installment Milesto	0 days	9/21/12	9/21/12	192

Milestone  Summary  Project Summary  External Tasks  External MileTask  Split

Task  Split  Progress

Project: PSEC Implementation Schedu  
 Date: 7/28/10

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# NOTICE LIST

Subject Property: 20906 Oleander Ave., Perris; Case No.: CV04-3119;  
APN: 295-150-006; District One

MARIO ZAMORA  
LUPE ZAMORA  
MARICIO ZAMORA  
LUZ ZAMORA  
1544 NORTH GLENVIEW STREET  
SAN BERNARDINO CA 92411

MARIO ZAMORA  
LUPE ZAMORA  
MARICIO ZAMORA  
LUZ ZAMORA  
20906 OLEANDER AVE  
PERRIS CA 92570

MARIO ZAMORA  
LUPE ZAMORA  
MARICIO ZAMORA  
LUZ ZAMORA  
1544 NORTH GLENVIEW STREET  
SAN BERNARDINO CA 92411

EASTERN MUNI WATER DIST  
PO BOX 8300  
PERRIS CA 92570  
ATTN BILLING DEPT

STATE OF CALIFORNIA  
FRANCHISE TAX BOARD  
SPECIAL PROCEDURES SECTION  
PO BOX 2952  
SACRAMENTO CA 95812-2952

EXHIBIT NO. EA



**PROOF OF SERVICE**

Case No. CV04-3119

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STATE OF CALIFORNIA, COUNTY OF RIVERSIDE

I, Brenda G. Peeler, declare that I am a citizen of the United States and am employed in the County of Riverside, over the age of 18 years and not a party to the within action or proceeding; that my business address is 3960 Orange Street, Suite 500, Riverside, California 92501.

That on April 21, 2011, I served the following document(s):

- DEMAND FOR PAYMENT
- REQUEST FOR HEARING
- SUMMARY STATEMENT OF ABATEMENT COSTS
- STATEMENT OF ABATEMENT COSTS
- ADMINISTRATIVE CITATION(S)
- NOTICE LIST

by placing a true copy thereof enclosed in a sealed envelope(s) addressed as follows:

**OWNERS OR INTERESTED PARTIES  
(SEE NOTICE LIST ATTACHED TO NOTICE OF HEARING)**

XX **BY FIRST CLASS MAIL.** I am "readily familiar" with the office's practice of collection and processing correspondence for mailing. Under that practice it would be deposited with the U.S. Postal Service on that same day with postage thereon fully prepaid at Riverside, California, in the ordinary course of business.

— **BY PERSONAL SERVICE:** I caused to be delivered such envelope(s) by hand to the offices of the addressee(s).

XX **STATE - I declare under penalty of perjury under the laws of the State of California that the above is true and correct.**

— **FEDERAL - I declare that I am employed in the office of a member of the bar of this court at whose direction the service was made.**

EXECUTED ON April 21, 2011, at Riverside, California.

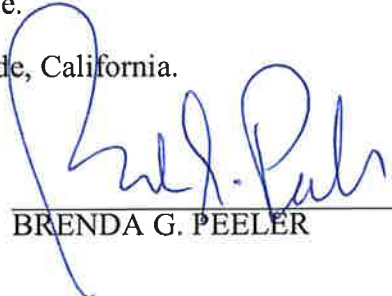
  
\_\_\_\_\_  
BRENDA G. PEELER

EXHIBIT NO.           E10



**CODE ENFORCEMENT DEPARTMENT  
COUNTY OF RIVERSIDE**

**REQUEST FOR PUBLIC HEARING  
ON STATEMENT OF ABATEMENT COSTS  
AND SPECIAL TAX ASSESSMENT**

Mario / Lupe Zamora  
Maricio / Luz Zamora  
1544 N. Glenview Street  
San Bernardino, CA 92411

Subject Property: 20906 Oleander Ave., Perris  
Case No(s): CV04-3119  
APN No(s): 295-150-006

I, Mario Zamora, hereby request a public hearing before the Administrative  
(Please PRINT your name here)  
Hearing Officer regarding case number(s) CV04-3119.

I request notice of the Administrative Hearing date, time, and location (which shall not be less than 10 days from the submission of this request) to be mailed to me at the following address:

Return Mailing Address: 18260 Henry Terrace  
Perris CA 92570

Signed: Mario Zamora Date: 5/16/11  
(Please SIGN your name here)

Print: Mario Zamora  
(Please PRINT your name here)

You may contact me at the following daytime phone number: 909-319-2584

**IMPORTANT**

Keep a copy of this form and mail the original to:  
Riverside County Code Enforcement Department  
P.O. BOX 1469  
Riverside, CA 92502

EXHIBIT NO. F

EXHIBIT NO. F2

RECEIVED MAY 28 2011  
Saf