

EI PASO COUNTY - PLANNING & COMMUNITY DEVELOPMENT MINOR MODIFICATION TO AN EXISTING WIRELESS FACILITY **VERIZON WIRELESS SITE NAME: CSP CALHAN**

LETTER OF INTENT

Property Owner

Corlis Properties LLC 5225 Silver Dr.

Colorado Springs, CO 80918 Aurora, CO 80014

Applicant

Verizon Wireless 3131 S. Vaughn Way Ste 550 P. O. Box 2977

Attn: Jennifer Brooks (303) 873-2778

Applicant's Representative

Retherford Enterprises

Evergreen, CO 80437 Attn: Pam Goss

(303) 884-1179 Pam.Goss@retherfordenterprises.com

Zoning is A-35

Site Plan/Project Name: CSP CALHAN – EMERGENCY 2 WAY RADIO

Site Address: 11820 Hahn Rd., Calhan, CO 80808

Schedule #: 2200000253

Legal Description: NE4SE4 EX S 70.0 FT THEREOF SEC 15-12-62

Present/Proposed Zoning: AG-35⁵

Planner: Mr. Gabe Sevigny

Request: Development site plan approval for minor modification.

Project Narrative:

This project consists of installing a new UHF monopole antenna to an existing 100' telecommunications tower and running the required power/signal cable from the equipment shelter to the antenna. New antenna will be installed to the tower with a stand-off bracket such that the tip height of the antenna will not exceed the approved tower height of 100'.

Section 6409(a):

Verizon Wireless recognizes that this application, submitted on May 8, 2018, is for an eligible facilities request related to the modification of an existing wireless tower or base station which does not substantially change the physical dimensions of the site. As such, El Paso County shall have 60 days to review this application. Failure of El Paso County to respond to, or otherwise not request reasonably related documentation, shall result in this application being deemed granted pursuant to section 6409(a) of Title VI of the Middle Class Tax Relief and Job Creation Act of 2012.

Attachments/Enclosures:

1) Site Plans; 2) Application Fee - TBD

PROJECT DATA

SITE NAME: CSP-CALHAN ADDRESS:

11820 HAHN ROAD CALHAN, CO 80808

JURISDICTION: EL PASO

VERIZON PROJECT #: 20171625605

PROJ. SUMMARY: SITE IMPROVEMENTS FOR A WIRELESS FACILITY FOR VERIZON

WIRELESS, KNOWN AS "CSP-CALHAN". ALL WORK INCLUDES INSTALLING (NEW) UHF MONOPOLE ANTENNA AND RUNNING ALL REQUIRED POWER AND SIGNAL CABLE FROM THE EQUIPMENT SHELTER TO THE ANTENNA.

CODE/LOCATION INFORMATION:

CONSTRUCTION TYPE:

OCCUPANCY:

B-UNMANNED

10'-6" A.G.L. 100'-0" A.G.L.

2009 IBC

719-599-9000

ZONING:

EQUIPMENT SHELTER HEIGHT: (E) TOWER & ANTENNA HEIGHT: **NEW ANTENNA HEIGHT:**

100'-0" A.G.L. NO. STORIES: ONE (1) **GROSS BUILDING AREA:** 438 S.F. 2 / UNMANNED OCCUPANT LOAD:

BUILDING CODE:

PROJECT CONTACTS OWNER:

ARCHITECT: T-REX ARCHITEX

CORLIS REALITY 146 MADISON ST. 5225 SILVER DR. SUITE 200 COLORADO SPRINGS, CO 80918 DENVER, CO 80206 **CLETE CORLIS**

DONI MITCHELL 303-388-2918

VERIZON WIRELESS

CONSTRUCTION MANAGER: RETHERFORD ENTERPRISES, INC. 7093 SILVERHORN DRIVE

3131 SOUTH VAUGHN WAY EVERGREEN, CO 80439 AURORA, CO 80014

JOY RETHERFORD MIKE HICKEY 720-261-2064 951-413-9704

GENERAL NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS RELATED TO THIS WORK PRIOR TO COMMENCING CONSTRUCTION AND VISIT THE SITE AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE DOCUMENTS AND ACTUAL CONDITIONS. THE CONTRACTOR SHALL OBTAIN WRITTEN CLARIFICATION FROM THE ARCHITECT PRIOR TO PROCEEDING WITH ANY WORK.

2. THIS SET OF PLANS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY, DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN, DRAWINGS ARE NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE.

3. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL COMPLY WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES OF ALL GOVERNING JURISDICTIONS. CONTRACTOR SHALL POST ALL NOTICES, SECURE ALL PERMITS, AND COMPLY WITH ALL LAWS, RULES, REGULATIONS AND LAWFUL ORDERS BEARING ON THE PERFORMANCE OF THE WORK.

4. THE CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION AND SHALL SUPERVISE AND DIRECT THE PROJECT ACCORDINGLY. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES FOR ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

5. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING. CURBING. ETC. DURING CONSTRUCTION. UPON COMPLETION. PATCH AND REPAIR ALL DAMAGED ITEMS. RESTORE EACH DISTURBED AREA TO PRE-CONSTRUCTION CONDITION.

6. THE WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY BE AFFECTED AND REQUIRE REFERENCE TO THE WORK DESCRIBED ON DRAWINGS OF ANOTHER DISCIPLINE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES, AND / OR SUPPLIERS PRIOR TO COMMENCING CONSTRUCTION TO INSURE THAT ALL PARTIES ARE AWARE OF OVERLAPPING REQUIREMENTS.

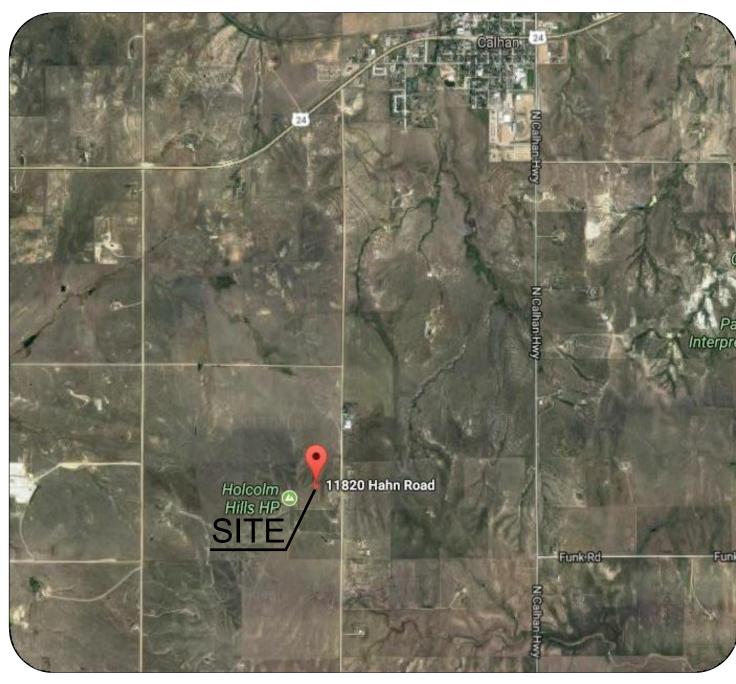
7. ALL INTERRUPTED SYSTEMS SHALL BE COORDINATED WITH APPROPRIATE AUTHORITIES AND RESTORED TO ORIGINAL CONDITION AND OPERATION.

8. ALL DEMOLISHED ITEMS ARE TO BE REMOVED COMPLETELY FROM THE SITE.

9. CALL 3-DAYS BEFORE YOU DIG! NOTIFICATION HOTLINE: 1-800-922-1977 or 811

CSP-CALHAN SITE MODIFICATION REQUEST **SMR-2WAY**







This site plan should show the subject property and the location of all existing structures in relation to the property boundaries (provide dimensions to the closest property line). Please also show how you access this site. If access is taken from the adjacent lot, please provide a copy of the access easement.

SCOPE OF WORK Emergency Two-Way Radio Installation

TO BE PERFORMED BY VERIZON WIRELESS preferred Contractor (VZW)

OUTDOOR WORK

- 1. VzW to attach WS300 stand-off bracket at approved UHF antenna mounting location
- 3. VzW to attach UHF monopole antenna to stand-off bracket; Antenna and Mount will be supplied by VzW to supply proper length of 7/8" foam coaxial cable (LCF78 or equivalent), terminated with N-type Male connectors at each end. with appropriate ground kits correct
- 4. VzW to attach RDR-supplied RF jumper from UHF monopole antenna to VzW-supplied hardline 5. VzW to supply appropriate tower hangers for the foam coaxial cable and attach to tower per VzW
- 6. VzW to run hardline to shelter location
- 7. VzW to apply water-proofing materials (butyl rubber tape, covered with 2" vinyl tape, or equivalent) to all outdoor coaxial connections PPC Connectors are acceptable.
- 8. VzW to ground hardline at bulkhead ground bar
- 9. VzW to bring hardline into shelter and terminate on VzW-supplied ground bar at shelter bulkhead

INDOOR WORK

- 1. VzW to install lightning arrestor at shelter bulkhead ground bar, standard arrestor should work with
- 3. VzW to run length of 1/2" Superflex (or equivalent) cable from bulkhead arrestor to top of RDR rack,
- terminated with N-type Female connector Is LDF4 acceptable 4. VzW to supply 24vdc or -48vdc with XX amp breaker fromt eh PDF to the radio rack power distribution
- panel. VzW to bolt/anchor RDR rack to floor
- 5. VzW to bond RDR rack to building ground system 6. VzW to sweep coax run from top of rack location to antenna point and determine and annotate total
- cables losses. This can be done by VzW Cell Tech
- 7. VzW to identify and label dedicated IP port at switch location and provide IP address/subnet
- mask/gateway (Field Operations will do this)

TO BE PERFORMED BY RED DOG RADIOS (RDR)

OUTDOOR WORK

- 1. RDR to supply WS300 stand-off bracket and UHF monopole antenna
- 2. RDR to supply RF jumper
- 3. RDR to provide ground assistance with ropes, tool bucket, any items needed to assist tower personnel

INDOOR WORK

- 1. RDR to inspect and accept DC wiring installed and available at top of rack
- 2. RDR to inspect and accept 1/2" Superflex cable installed and available at top of rack, terminated with N-type Female
- 3. RDR to inspect and accept that rack is anchored to floor and bonded to ground system
- 4. RDR to supply all connections from rack to AC power source and 1/2" Superflex cable 5. RDR to supply and physically install AGM lead acid batteries, including making fused connections to
- power supply
- 7. RDR to set power level to set system output to 150W ERP, taking calculated coaxial losses into account,
- and record true power level in watts at 1/2" Superflex rack interface connector 8. RDR to measure and record repeater sensitivity as referenced to 12 dB SINAD at 1/2" Superflex rack
- 9. RDR to run CAT5E cable from equipment to switch port location, including properly terminating
- necessary RJ45 connectors
- practices, including bundling with approved waxed lacing cord techniques
- 11.RDR to photograph and supply digital images of repeater rack and installation details to VzW personnel for record-keeping purposes

INDEX OF DRAWINGS: (5 SHEETS)

- T1 TITLE SHEET
- LS1 SURVEY
- SITE PLAN / ELEVATION Α1
- SHELTER PLANS / CABLE LENGTHS
- А3 ANTENNA DETAILS
- A3.1 SITE PHOTOS AND POWER SYSTEM DETAILS

DATE

PRELIMINARY CD SET FINAL CD SET PERMIT SUBMITTED

ISSUED AS

ZD APPROVAL

DECEMBER 18, 2017

STAMP

Denver, CO 80206

3 0 3 . 3 8 8 . 2 9 1 8

Drawings and Specifications as instruments of service are and shall remain the property of the Architect whether the

Project for which they are made is executed or not. The Owner shall be permitted to retain copies, including reproducible copies, of Drawings and Specifications for

information and reference in connection with the Owner's use and occupancy of the Project. The Drawings and Spe-cifications shall not be used by the Owner on other

projects, for additions to this Project or for the completion of this Project by others provided the Architect is not in default under this Agreement, except by agreement in

DRAWINGS

PROJECT FOR

DATE ISSUED

DATE REVISIONS 1/22/11/A\ ANTENNA HEIGHT 12/18/17/0\ FINAL CD SET 2/18/1**1/**1\ OWNER INFO

PROJECT NAME

CSP-CALHAN

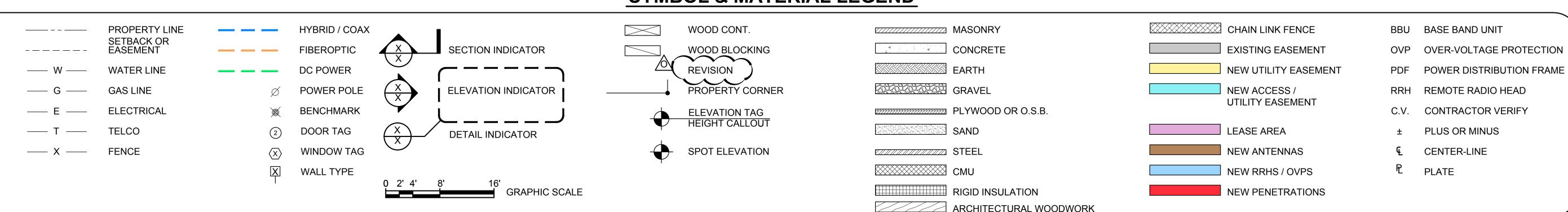
CELL SITE SMR-2WAY

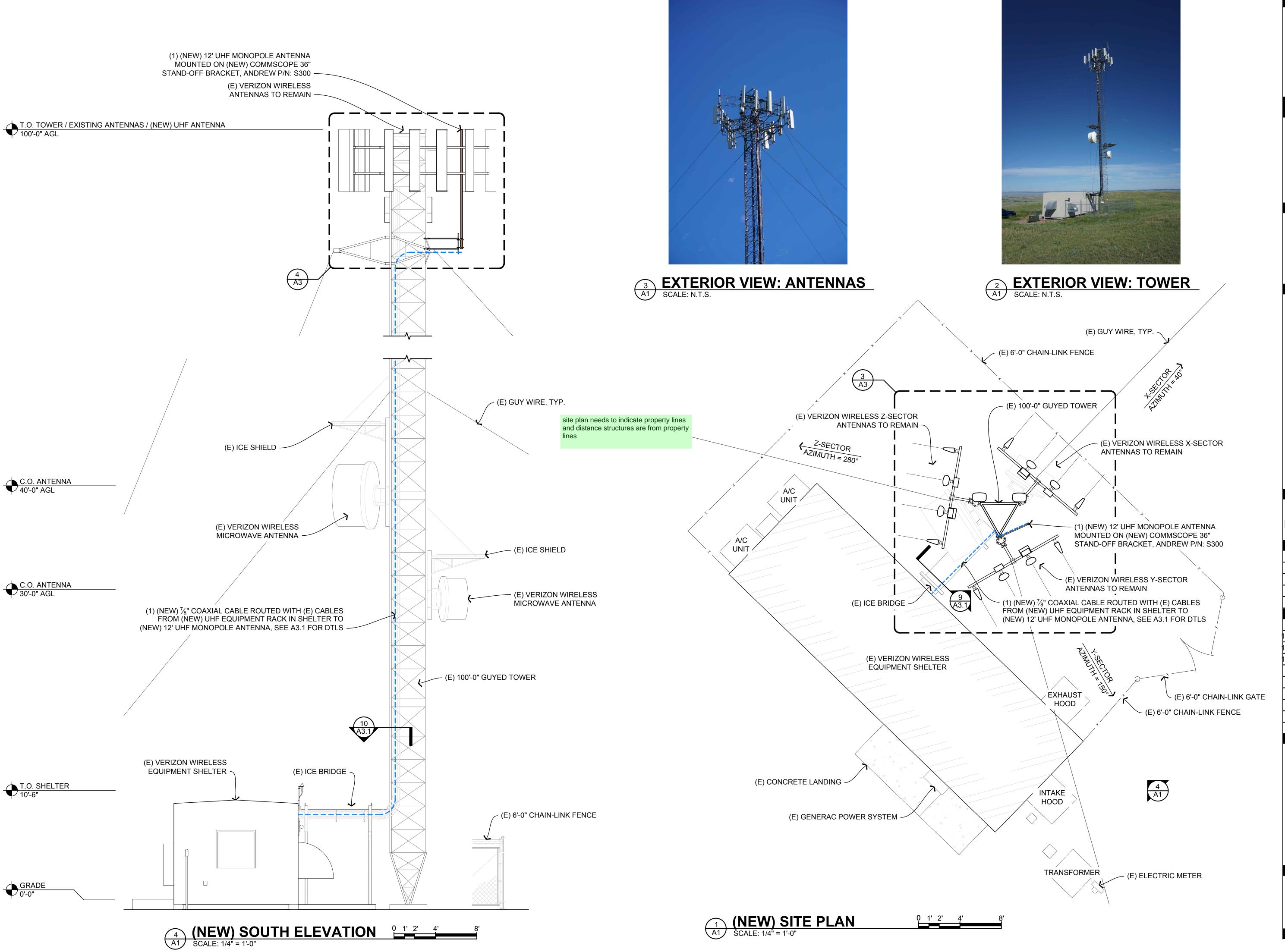
11820 HAHN ROAD CALHAN, CO 80808

COUNTY OF EL PASO STATE OF COLORADO

TITLE PAGE

SYMBOL & MATERIAL LEGEND









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		FINAL CD SET
		PERMIT SUBMITTED

DATE	REVISIONS
1/22/17	ANTENNA HEIGHT
2/18/17	√ FINAL CD SET
2/18/17	OWNER INFO

PROJECT NAME CSP-CALHAN

CELL SITE SMR-2WAY 11820 HAHN ROAD

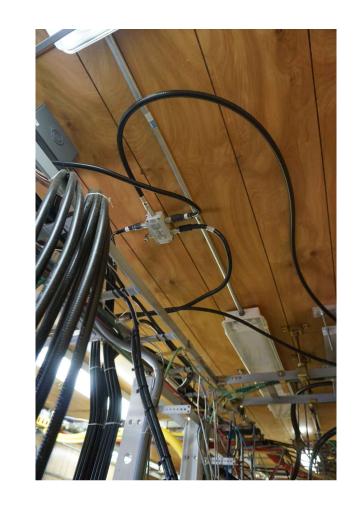
CALHAN, CO 80808

COUNTY OF EL PASO STATE OF COLORADO

A1
PLAN / ELEVATION

POWER CABLE LENGTH						
FROM PDF TO (NEW) UHF EQUIPMENT RACK						
POWER	SECTOR	<u>TY</u>	<u>PE</u>	<u>LENGTH</u>	<u>QTY</u>	TOTAL
POV	N/A	DC F	PAIR	24'	1	24'
COAXIAL CABLE LENGTHS						
FROM EQUIPMENT RACK TO ANTENNA						
NA RS	SECTOR	TYPE	SIZE	<u>LENGTH</u>	<u>QTY</u>	TOTAL
ANTENNA JUMPERS	UHF OMNI	LCF78	7/8"	120'	1	120'
A D					TOTAL	- 120'

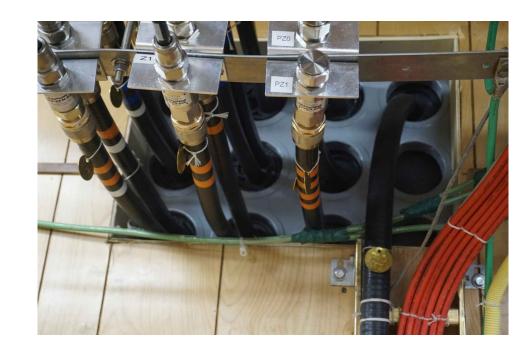
6 CABLE SCHEDULES Z2 N.T.S.



INTERIOR VIEW:

GPS SPLITTER

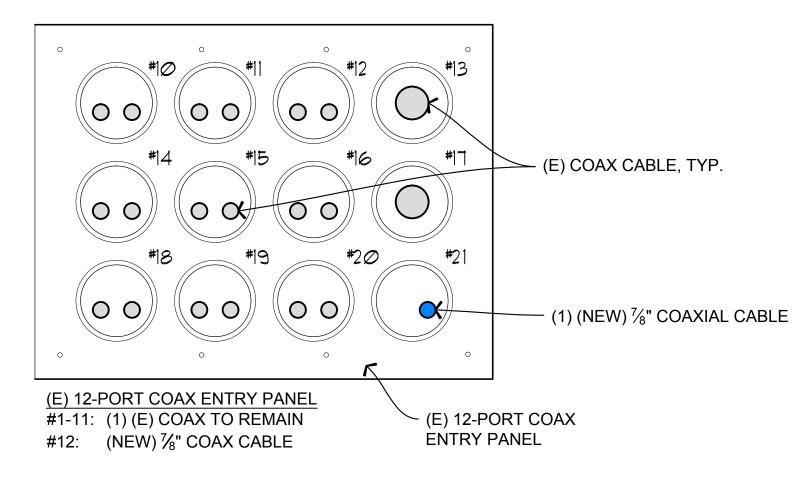
A2 SCALE: N.T.S.



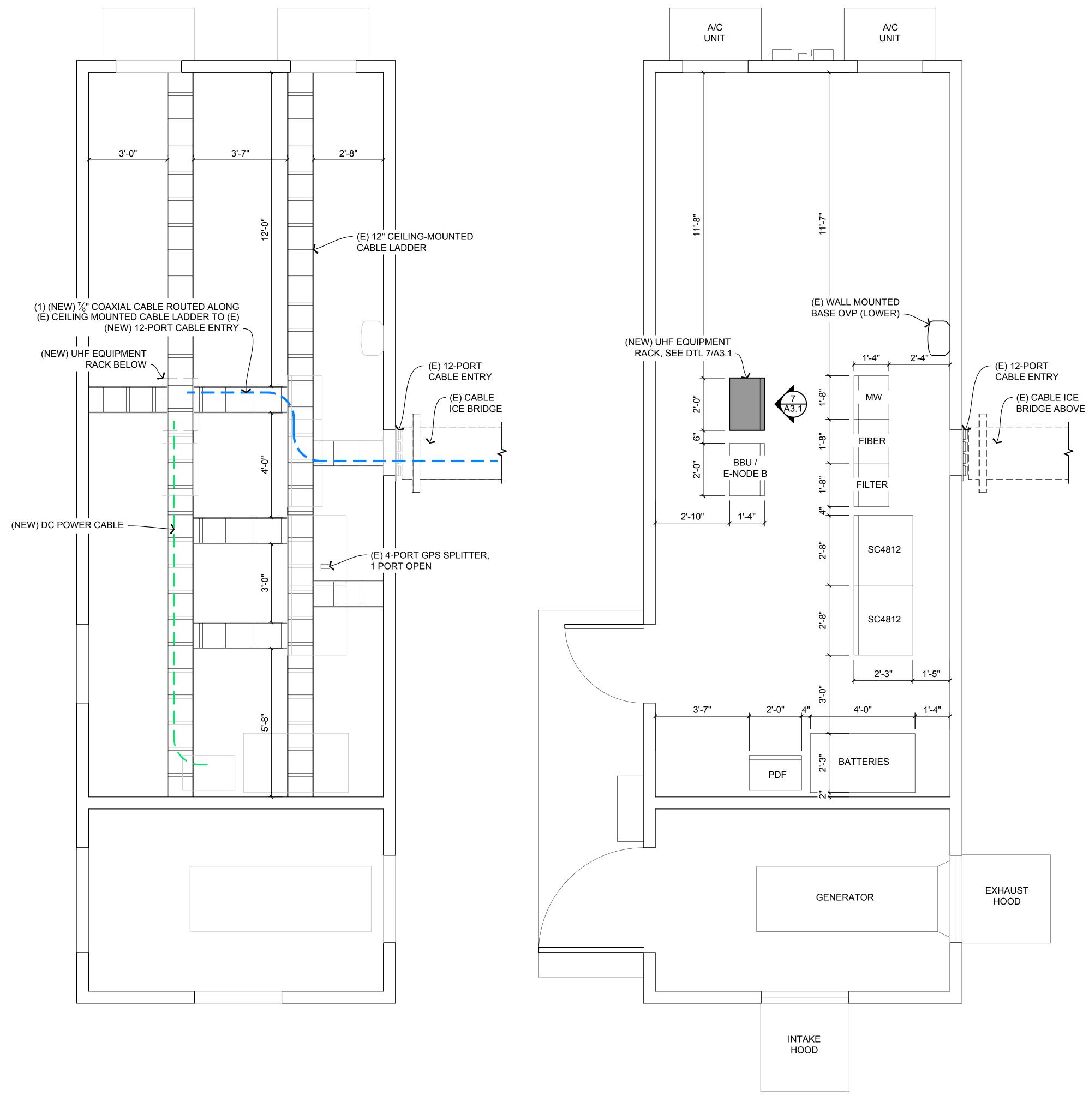
INTERIOR VIEW:

4 CABLE ENTRY

A2 SCALE: N.T.S.







1 EQUIPMENT PLAN
A2 SCALE: 1/2" = 1'-0"

2 RCP: CABLE LADDER
A2 SCALE: 1/2" = 1'-0"

146 Madison Street Denver, CO 80206 303.388.2918

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DRAWINGS

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FINAL CD SET
PERMIT SUBMITTED

REVISIONS

1/22/17 A ANTENNA HEIGHT

2/18/17 0 FINAL CD SET 2/18/17 1 OWNER INFO

PROJECT NAME

CSP-CALHAN

CELL SITE

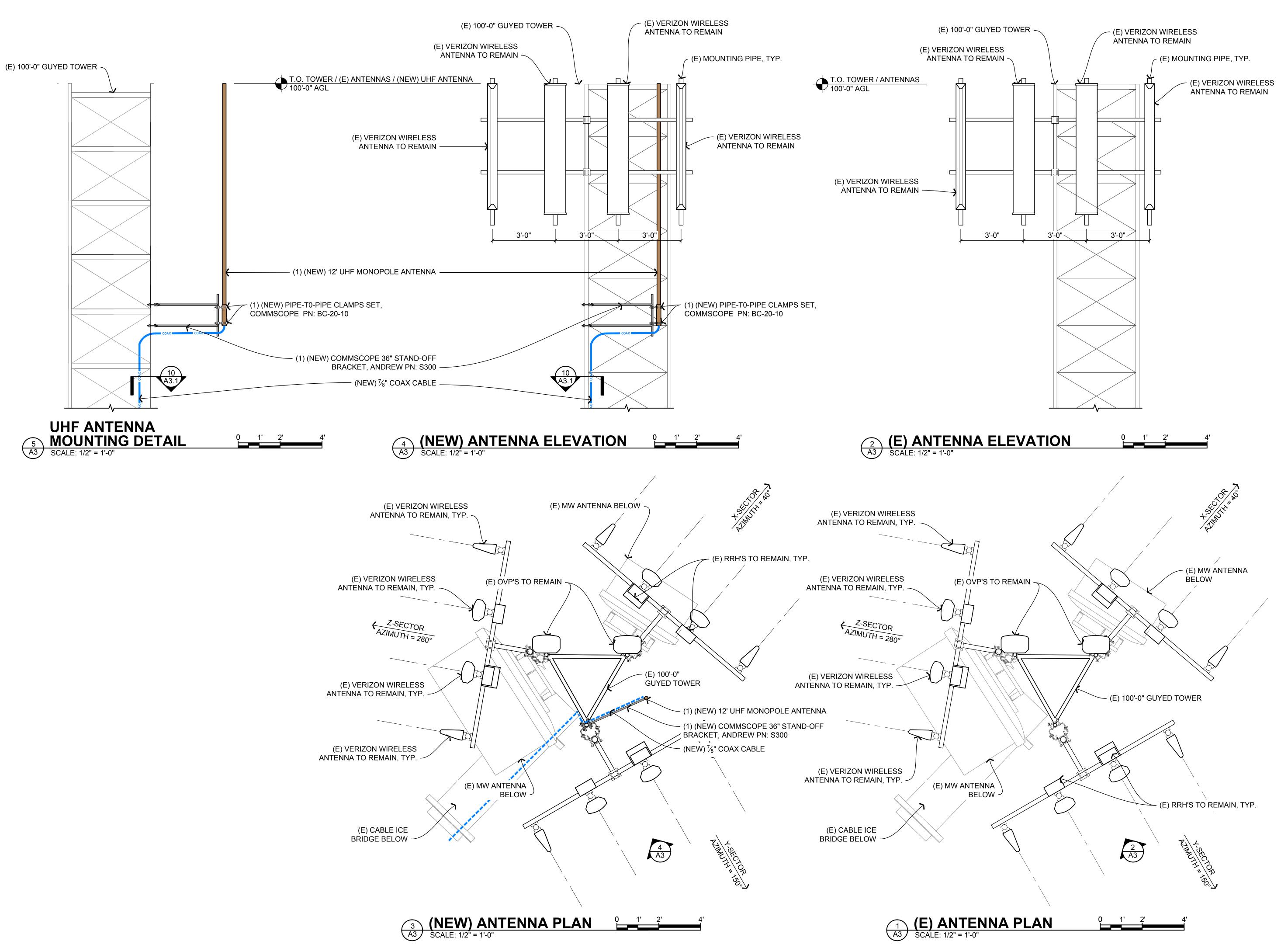
SMR-2WAY

11820 HAHN ROAD CALHAN, CO 80808

COUNTY OF EL PASO

STATE OF COLORADO

SHELTER PLANS / CABLES



STAMP



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,	2/18/17	√ FINAL CD SET
	2/18/17	√1 OWNER INFO

PROJECT NAME

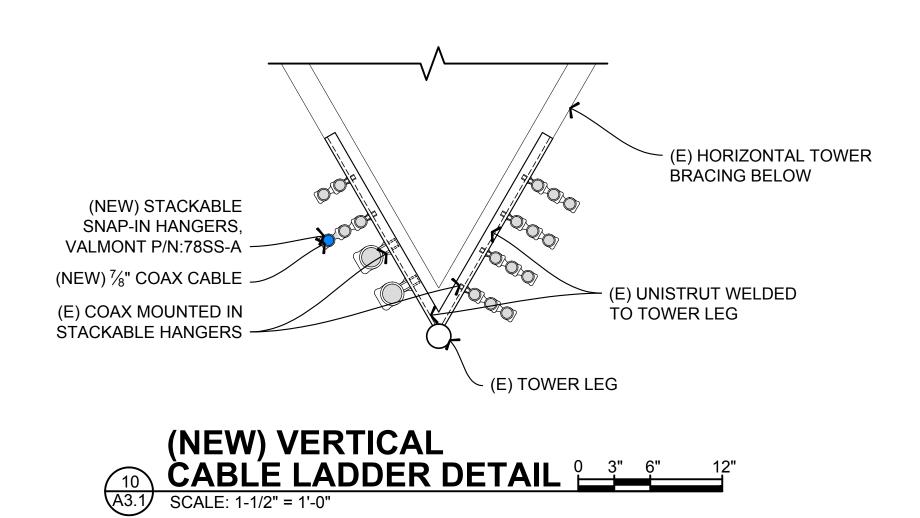
CSP-CALHAN
CELL SITE

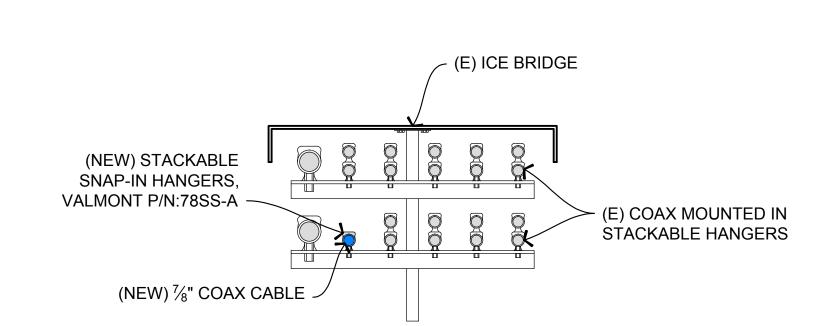
SMR-2WAY 11820 HAHN ROAD CALHAN, CO 80808

COUNTY OF EL PASO STATE OF COLORADO

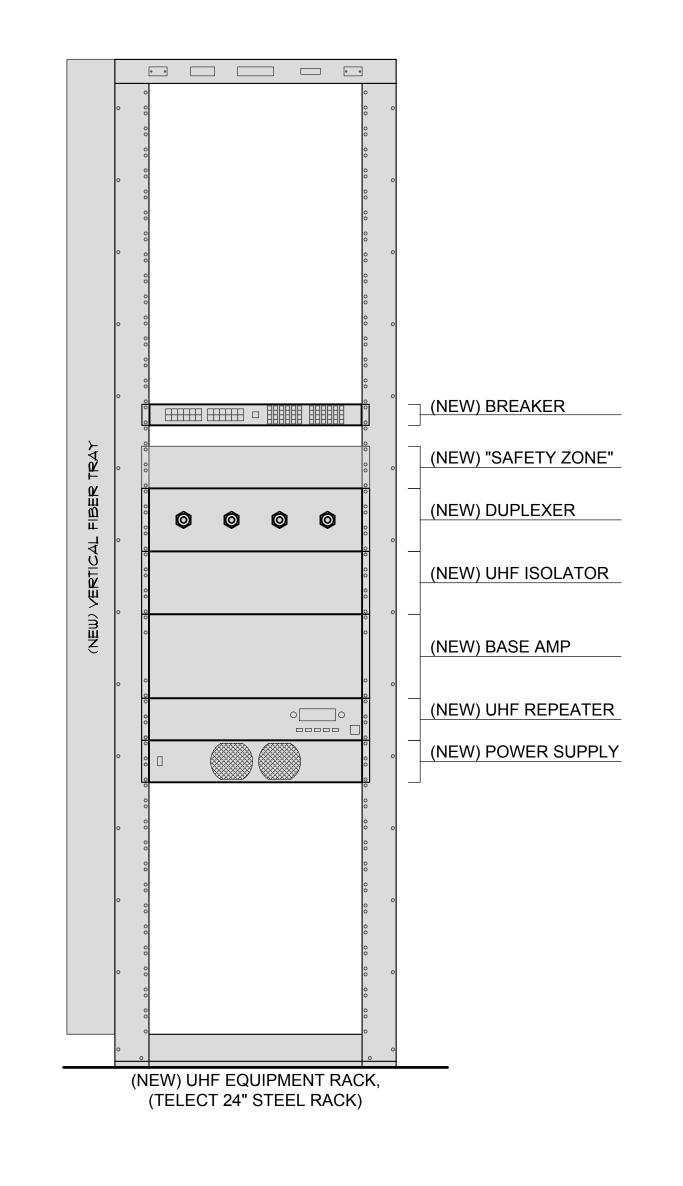
A3

SECTOR PLANS / ELEVATIONS





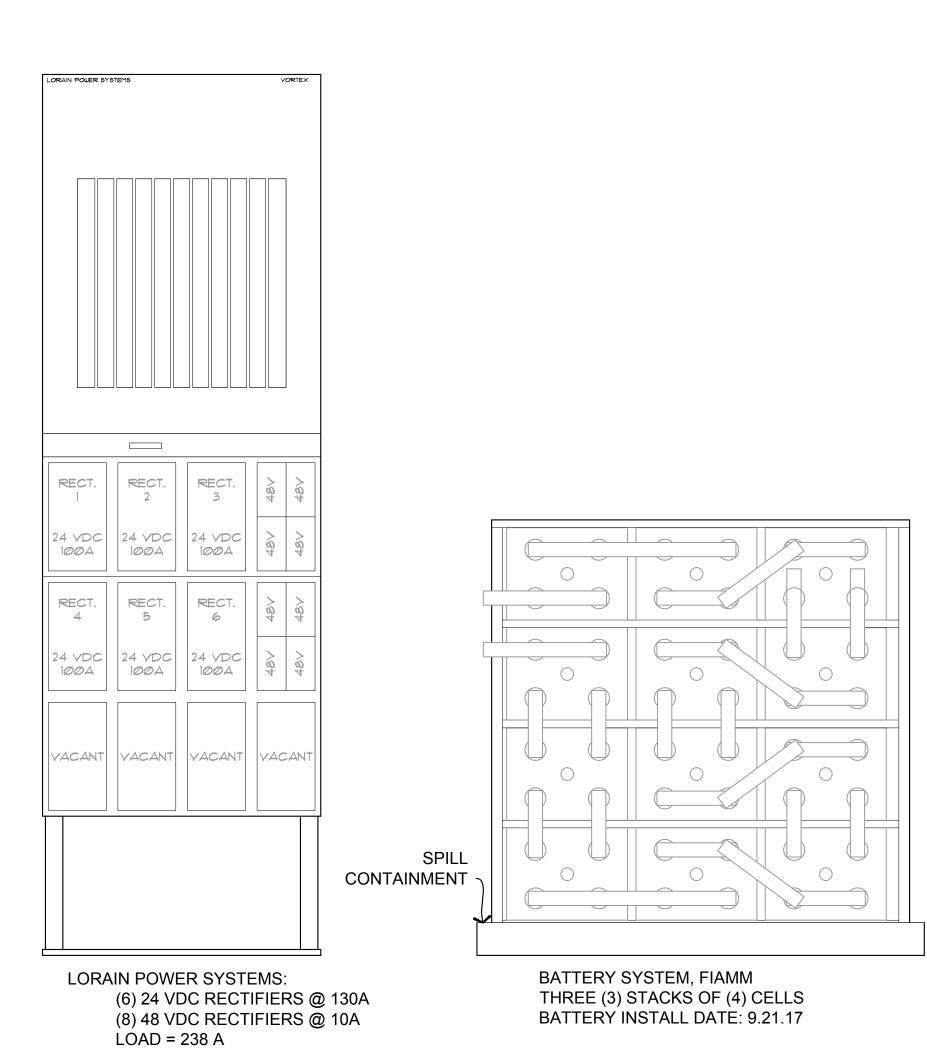




(NEW)

7 UHF EQUIPMENT RACK

A3.1 SCALE: N.T.S.



48V VDC BUS: (5) BREAKERS
(3) EMPTY SLOTS

POWER SUPPLY & BATTERY SYSTEM





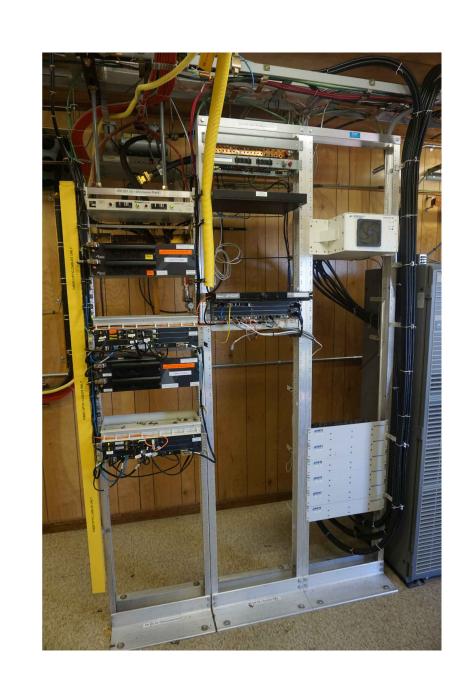


INTERIOR VIEW:
BASE OVP (LOWER)

SCALE: N.T.S.



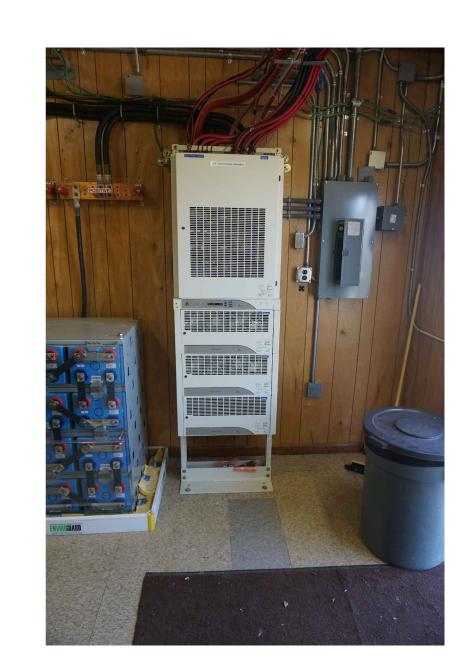
INTERIOR VIEW:
5 SC4812'S
A3.1 SCALE: N.T.S.



INTERIOR VIEW:

WW & FIBER RACKS

A3.1 SCALE: N.T.S.



INTERIOR VIEW:
PDF

A3.1 SCALE: N.T.S.



INTERIOR VIEW:
BATTERIES

A3.1 SCALE: N.T.S.



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3131 S. VAUGHN WAY, SUITE 550 303-694-3234 AURORA, CO 80014

DATE ISSUED

|DECEMBER 18, 2017|

DATE	ISSUED AS
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	FINAL CD SET
	PERMIT SUBMITTED

DATE	REVISIONS
11/22/17	ANTENNA HEIGHT
2/18/17	√ FINAL CD SET
12/18/17	1 OWNER INFO

PROJECT NAME

CSP-CALHAN

CELL SITE

SMR-2WAY 11820 HAHN ROAD CALHAN, CO 80808

COUNTY OF EL PASO STATE OF COLORADO

A3.1

DETAILS

Markup Summary

5/23/2018 4:21:15 PM (1)



Subject: Text Box Page Label: 2 Lock: Locked Author: dsdnijkamp

Date: 5/23/2018 4:21:15 PM

Color:

This site plan should show the subject property and the location of all existing structures in relation to the property boundaries (provide dimensions to the closest property line). Please also show how you access this site. If access is taken from the adjacent lot, please provide a copy of the access easement.

5/23/2018 4:21:17 PM (1)



Subject: Text Box Page Label: 3 Lock: Locked Author: dsdsevigny

Date: 5/23/2018 4:21:17 PM

Color:

site plan needs to indicate property lines and distance structures are from property lines

Markup Summary

dsdnijkamp (1)



Subject: Text Box Page Label: 2 Lock: Locked Author: dsdnijkamp

Date: 5/23/2018 4:21:15 PM

Color:

This site plan should show the subject property and the location of all existing structures in relation to the property boundaries (provide dimensions to the closest property line). Please also show how you access this site. If access is taken from the adjacent lot, please provide a copy of the access easement.

dsdsevigny (2)



Subject: Text Box Page Label: 3 Lock: Locked Author: dsdsevigny

Date: 5/23/2018 4:21:17 PM

Color:

CEP CAL19N - EMERICANCY 2 WAY FACID
11320 Platen R.G. Calhen, CO. 2008
200000023
Ne4686 K.V. S. 70.0 PT THERROP SEC 15-12-42
QF.AG-35*

Ziming is A. 355

Development also plan approval for more modification.

Subject: Callout Page Label: 1 Lock: Locked Author: dsdsevigny

Date: 5/24/2018 10:05:31 AM

Color:

site plan needs to indicate property lines and distance structures are from property lines

Zoning is A-35