

UNION TELEPHONE COMPANY 850 N HIGHWAY 414 PO BOX 160

PROJECT INDEX

MOUNTAIN VIEW, WY 82939

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ONTACT: RYAN SCHMIDT

EMAIL: anjones@unionwireless.com

NGINEER/DESIGNER
ONTACT: ANGELA JONES
HONE: (307) 782-4045

HAYDEN

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PO BOX 160 MOUNTAIN VIEW, WY 82939

850 N. HIGHWAY 414

PROHIBITED.

CURRENT REV

ALYSSA BLAIR/ANGELA JONES

09/25/2015

MATTHEW E. FISHER

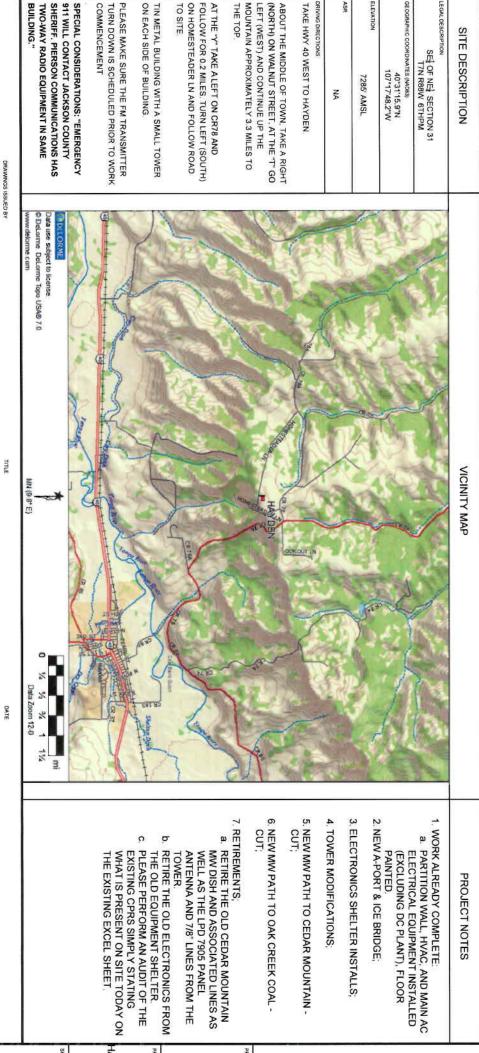
COMMUNICATION SITE

HAYDEN, ROUTT COUNTY, COLORADO 6985 HOMESTEADER LANE 2

MW UPGRADES TO CEDAR MOUNTAIN AND OAK CREEK COAL 140' LATTICE SELF SUPPORTING TOWER **BUILDING RELOCATION AND POWER UPGRADE**

GIS/Addressing Ok

03/16/2016 EK



APPROVED FOR

2 DECEMBER 2015

POAG 4/20/16

CONSTRUCTION

CONTACT: PHONE: (970) 824-6593

SITE CONNECTED TO UNION NETWORK VIA MICROWAVE RADIO.

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PANEL SCHEDULE

COMMENCEMENT

ANGELA JONES

PROJECT ENGINEER

2 DECEMBER 2015

NEW EQUIPMENT BUILDING OLD EQUIPMENT BUILDING

JUMPER LINE DIAGRAMS

MICROWAVE ELEVATION PANEL ANTENNA ELEVATION

TITLE SHEET SITE PLAN

DRAWING INDEX

RAN CABLING

YAMPA VALLEY ELECTRIC ASSOCIATION 3715 EAST US HWY 40 P.O. BOX 217 CRAIG, CO 81626

PHONE: (888) 950-7483

SBA TOWERS II LLC 5900 BROKEN SOUND PKWY 2ND FL STEAMBOAT SPRINGS, CO 80487

PLANS NOT VERIFIED BY A LICENSED SURVEYOR

EMAIL: jhaws@unionwireless.com CONTACT: JUSTIN HAWS
HONE: (307) 747-7054

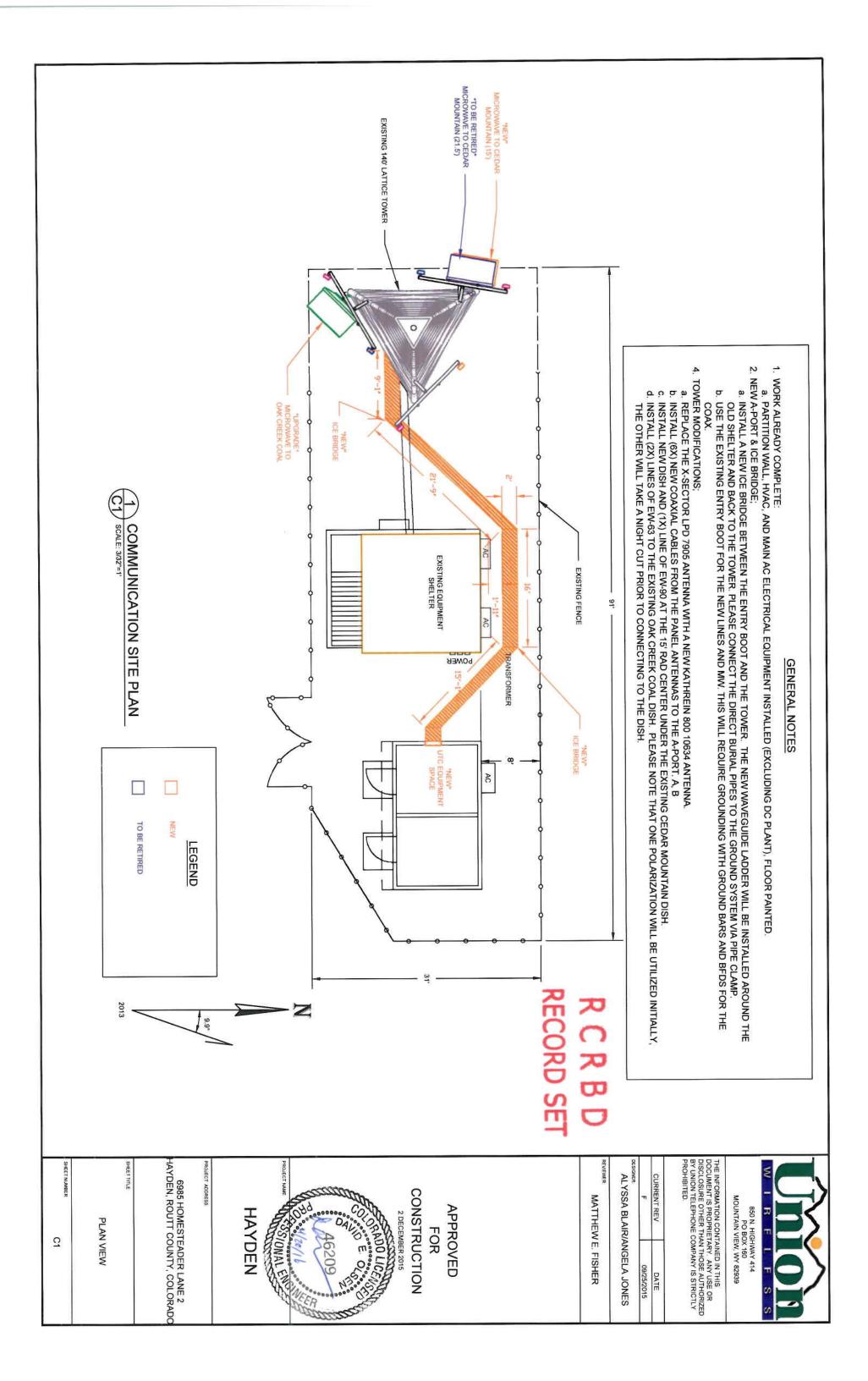
HAYDEN

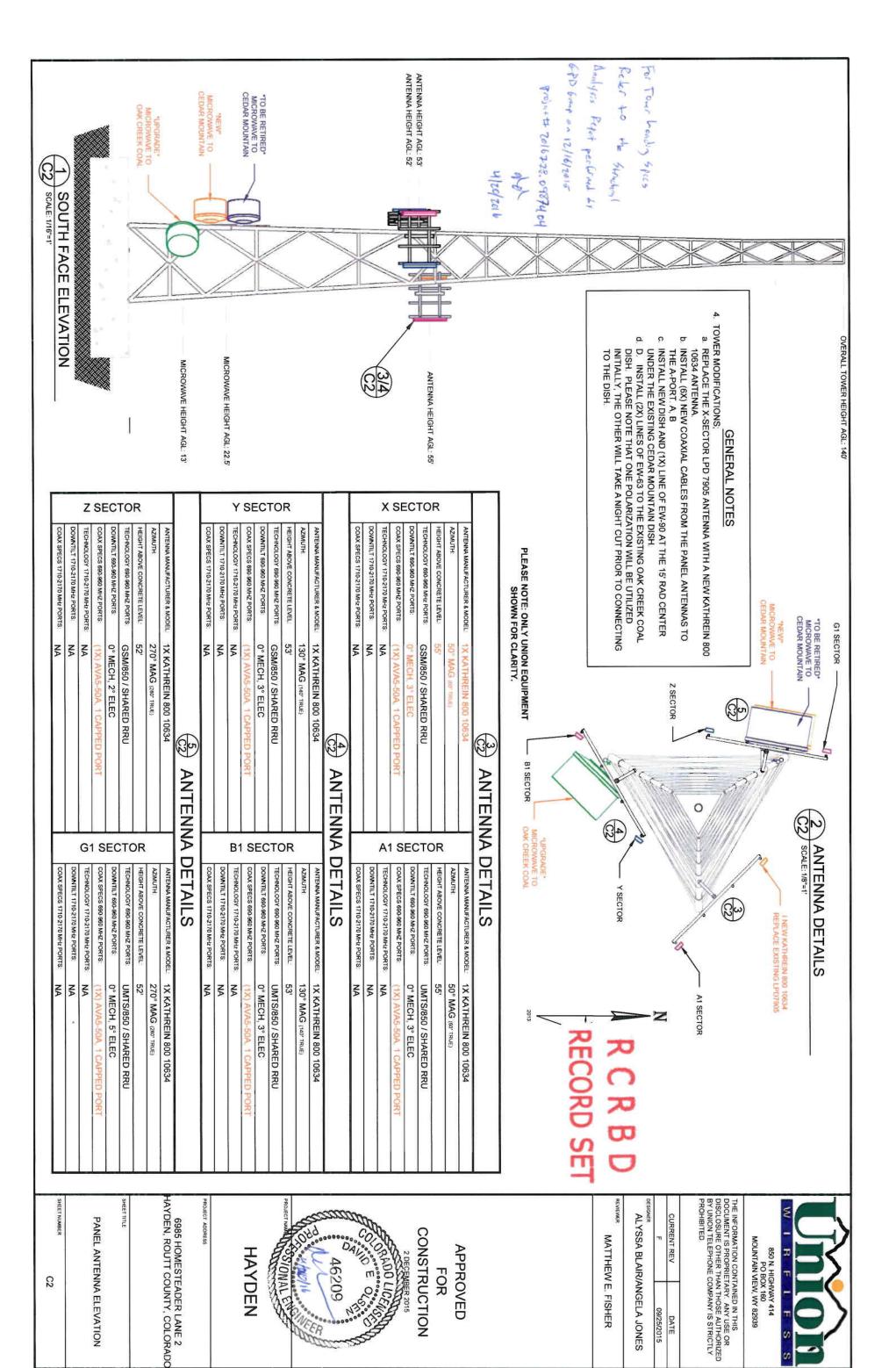
ROJECT ADDRESS

6985 HOMESTEADER LANE 2 HAYDEN, ROUTT COUNTY, COLORADO

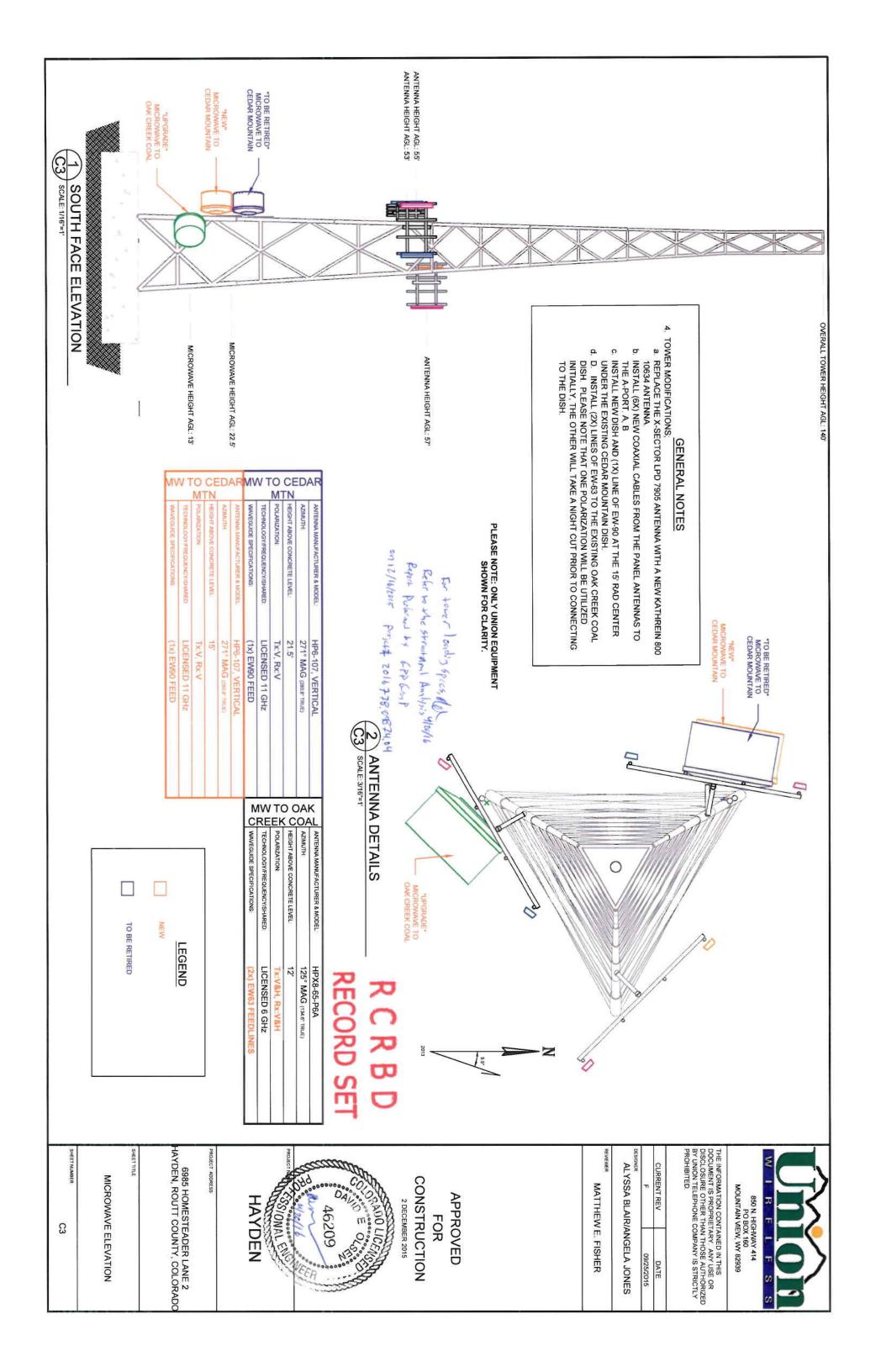
TITLE SHEET

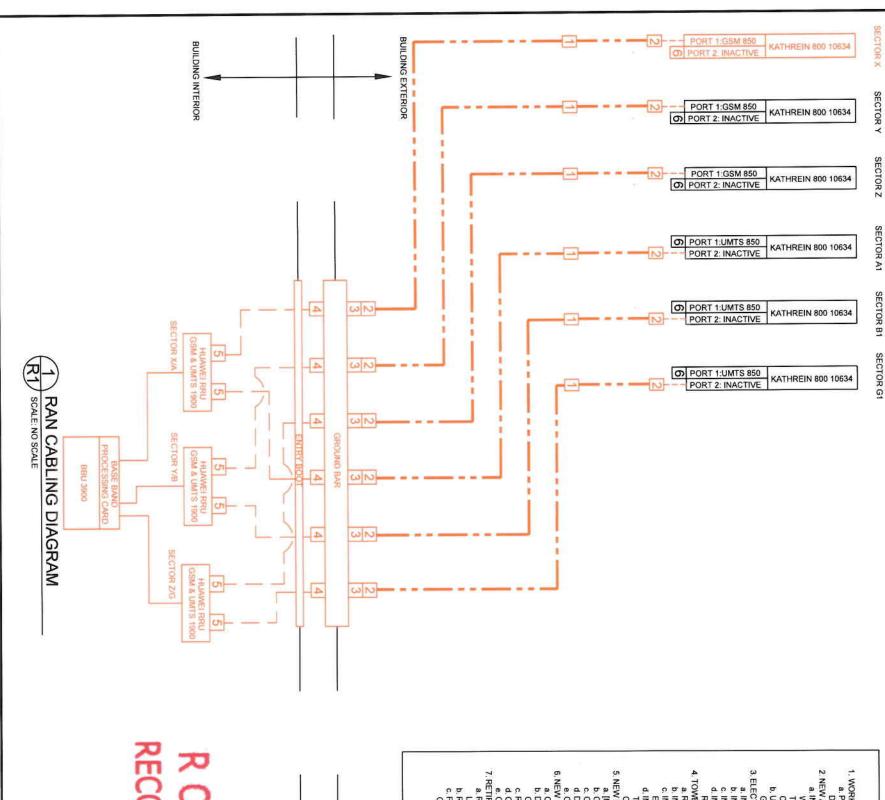
SHEET NUMBER





09/25/2015





GENERAL NOTES

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1. WORK ALREADY COMPLETE:

a. PARTITION WALL, HVAC, AND MAIN AC ELECTRICAL EQUIPMENT INSTALLED (EXCLUDIN DC PLANT), FLOOR PAINTED.

2. NEW A-PORT & ICE BRIDGE:

a. INSTALL A NEW ICE BRIDGE BETWEEN THE ENTRY BOOT AND THE TOWER. THE NEW WAVEGUIDE LADDER WILL BE INSTALLED AROUND THE OLD SHELTER AND BACK TO TOWER. PLEASE CONNECT THE DIRECT BURIAL PIPES TO THE GROUND SYSTEM VIA PICKAMP. 몵

b. USE THE EXISTING ENTRY BOOT FOR THE NEW LINES AND MW. THIS WILL REQUIRE GROUNDING WITH GROUND BARS AND BFDS FOR THE COAX.

3. ELECTRONICS SHELTER INSTALLS;

B. INSTALL CABLE LADDERS.

B. INSTALL DC PLANT PER THE CDS. WIRE IN AC POWER TO THE DC PLANT.

C. INSTALL RACKS, HUAWEI CABINET, AND TELLABS 8611 ROUTERS.

C. INSTALL NEW MW RADJOS FOR THE UPGRADED PATHS - THIS SHOULD INCLUDE RACK-MOUNTED ODU'S AND (2X) MODEMS PER HOP.

4. TOWER MODIFICATIONS:

A. REPLACE THE X-SECTOR LPD 7905 ANTENNA WITH A NEW KATHREIN 800 10634 ANTENNA.

B. INSTALL RS, NEW COAXIAL CABLES FROM THE PANEL ANTENNAS TO THE A-PORT. A. B.

C. INSTALL NEW DISH AND (1X) LINE OF EW-90 AT THE 15' RAD CENTER UNDER THE EXISTING CEDAR MOUNTAIN DISH.

d. INSTALL (2X) LINES OF EW-63 TO THE EXISTING OAK CREEK COAL DISH. PLEASE NOTE THAT ONE POLARIZATION WILL BE UTILIZED INITIALLY, THE OTHER WILL TAKE A NIGHT CUT PRIOR TO CONNECTING TO THE DISH.

5. NEW MW PATH TO CEDAR MOUNTAIN - CUT;

a. [MAINTENANCE] CUT UTC-OWNED AC POWER FROM OLD EQUIPMENT BUILDING.

b. COMMISSION NEW RADIO ON VERTICAL RF CHANNEL INITIALLY.

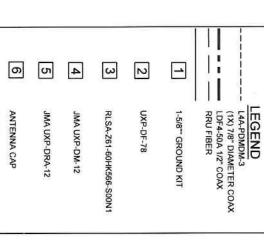
d. DECOMMISSION & REMOVE THE NLITE-L MICROWAVE RADIO, RETURN TO WH.

COMMISSION FULL PATH.
 NEW MW PATH TO OAK CREEK COAL - CUT;
 CUT TRAFFIC TO NEW RADIO ON VERTICAL RF CHANNEL.
 DECOMMISSION & REMOVE THE NLITE-L MICROWAVE RADIO FROM THE HORIZONTAL

c. REMOVE EW63 OLD BUILDING.
 d. CONFIGURE TRAFFIC TO RUN ON BOTH VERTICAL & HORIZONTAL RF CHANNELS.
 e. COMMISSION FULL PATH.

A. RETIRE THE OLD CEDAR MOUNTAIN MW DISH AND ASSOCIATED LINES AS WELL AS THE LPD 7905 PANEL ANTENNA AND 7/8" LINES FROM THE TOWER.

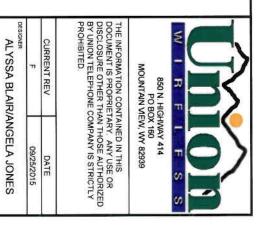
b. RETIRE THE OLD ELECTRONICS FROM THE OLD EQUIPMENT SHELTER.
c. PLEASE PERFORM AN AUDIT OF THE EXISTING CPRS SIMPLY STATING WHAT IS PRESENT ON SITE TODAY ON THE EXISTING EXCEL SHEET.



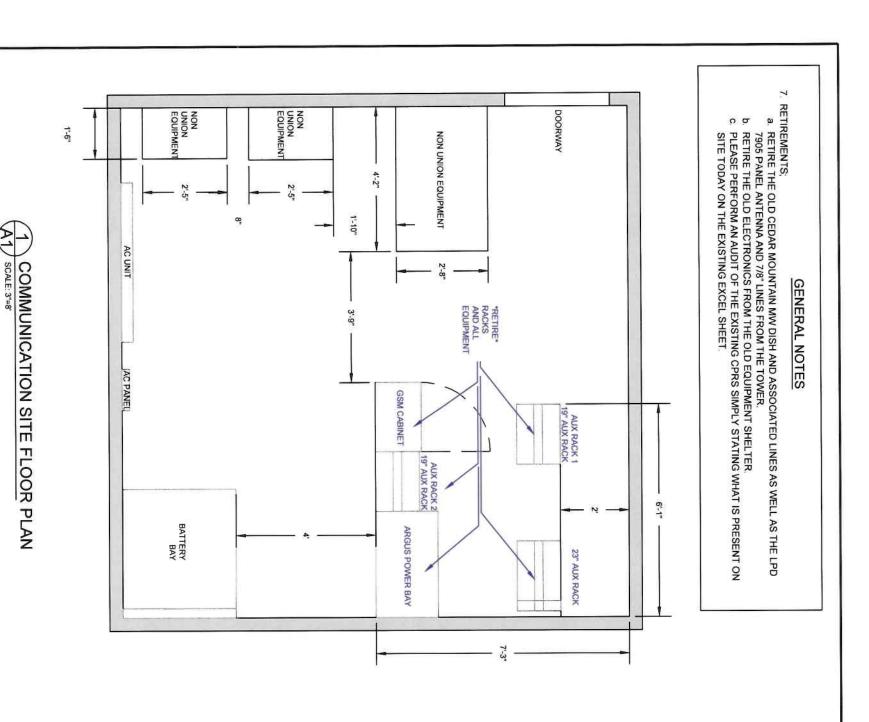
6985 HOMESTEADER LANE 2 HAYDEN, ROUTT COUNTY, COLORADO

RAN CABLING DIAGRAM

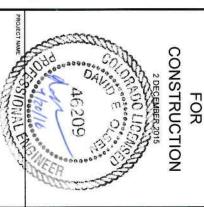
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CONSTRUCTION MATTHEW E. FISHER APPROVED **HAYDEN** FOR







APPROVED

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ALYSSA BLAIR/ANGELA JONES

DATE 09/25/2015

MATT E. FISHER

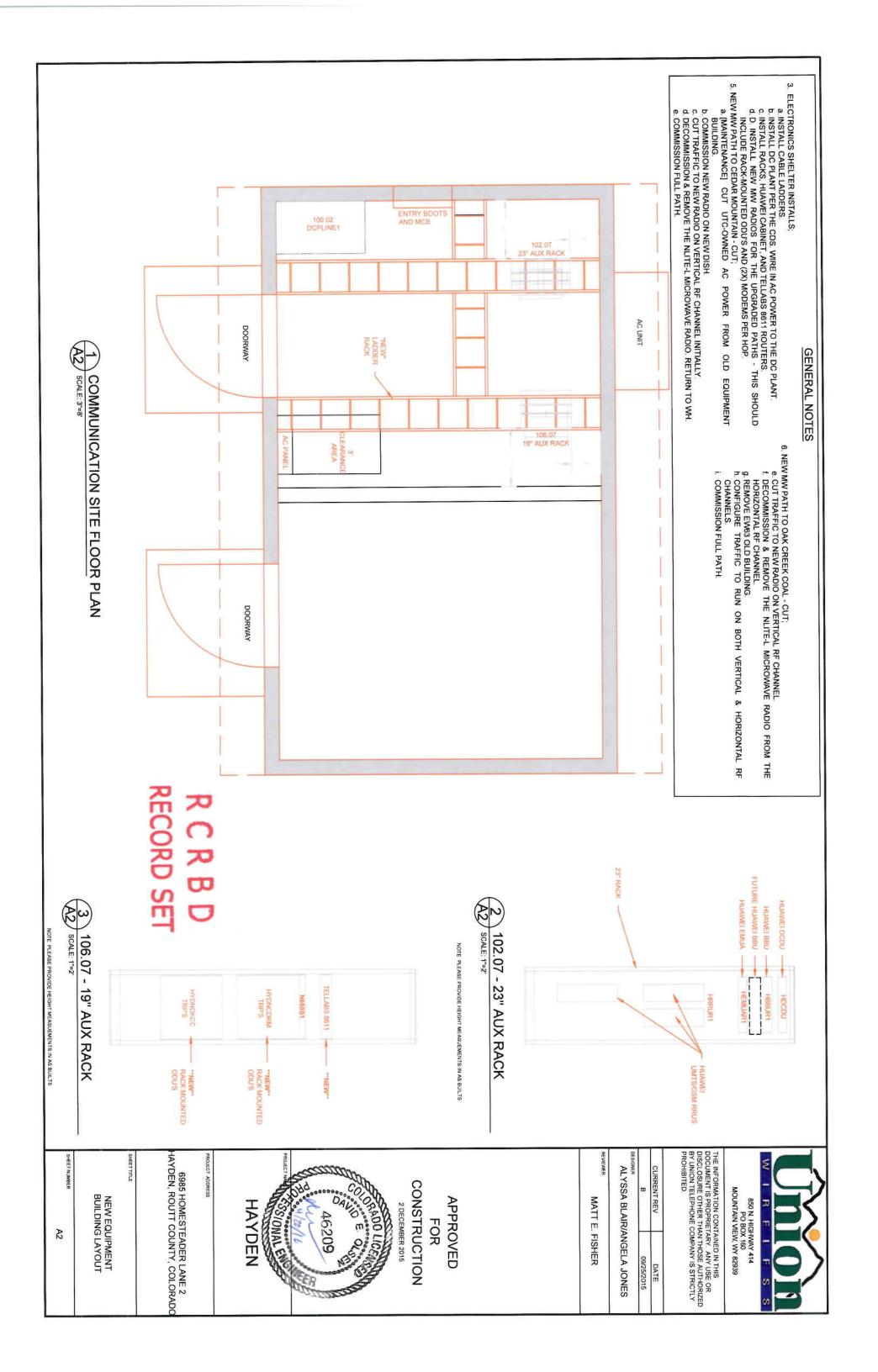
CURRENT REV

HAYDEN

6985 HOMESTEADER LANE 2 HAYDEN, ROUTT COUNTY, COLORADO

OLD EQUIPMENT BUILDING LAYOUT (TO BE RETIRED)

2



Volt Amber Am	x 110% for Main						122	1						
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P1 2000 120/240VAC 10/3W				2	D/31	-	1/240VA	00A, 120	2	P1	_			





PANEL SCHEDULE

6985 HOMESTEADER LANE 2 HAYDEN, ROUTT COUNTY, COLORADO APPROVED
FOR
CONSTRUCTION
2 DECEMBER 2015
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PROJECTIANE

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CURRENT REV

DATE 11/15/15

ANGELA JONES