

<b>CONTRACTOR PMI REQUIREMENTS:</b>	
PMI ACCESS:	http://pmi.vzwsmart.com
SMART TOOL PROJECT NUMBER:	N/A
VZW LOCATION CODE (PLCS):	N/A



# SAL UINTAH RIDGE

1770 E 6200 S  
SOUTH OGDEN, UTAH 84405  
WEBER COUNTY

## EXISTING COMMUNICATION SITE C-BAND\_INSTALLATION PROJECT

**verizon**  
9656 SOUTH PROSPERITY ROAD  
WEST JORDAN, UTAH 84081

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<b>J5 INFRASTRUCTURE PARTNERS</b>	CHK BY			
	DATE	6/8/21	SLM	AW
REV	DESCRIPTION			
0	APPROVED FOR CONSTRUCTION			

**SHEET INDEX:**

SHEET	TITLE	REV.
T1	TITLE SHEET	0
SP1	SPECIFICATION & PHOTO SHEET	0
C1	SITE PLAN	0
C2	ELEVATIONS	0
C3	PLATFORM MAPPING & RRH CABLE CHART	0
C4	SECTIONS & DETAILS	0
C5	SECTIONS & DETAILS	0
C6	WIRING DIAGRAM	0
RF1	ANTENNA INFORMATION	0
RF2	RFDS ANTENNA SUMMARY	0
RF3	RFDS PLUMBING DIAGRAM	0

**PROJECT INDEX:**

**APPLICANT:**  
VERIZON  
9656 SOUTH PROSPERITY ROAD  
WEST JORDAN, UTAH 84081

**CONTACT: CLIFF HIEB**  
PHONE: 208-251-7500

**ENGINEERS/DESIGNERS:**  
J5 INFRASTRUCTURE PARTNERS  
5225 WILEY POST WAY, SUITE 410  
SALT LAKE CITY, UTAH 84116

**CONTACT: ALYSSA WINTERTON**  
PHONE: 801-336-4694, EXT. 173

**ZONING/SITE AQ:**  
J5 INFRASTRUCTURE PARTNERS  
5225 WILEY POST WAY, SUITE 410  
SALT LAKE CITY, UTAH 84116

**CONTACT: KELEIGH GLASS ADAMS**  
PHONE: 801-336-4694 EXT. 166

**ADA COMPLIANCE:**

THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. LANDINGS AND EXITS SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES.

**GENERAL PROJECT NOTES:**

- PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH THE SCOPE OF WORK AND ALL CONDITIONS AFFECTING THE NEW PROJECT.
- CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS OF THE JOB SITE AND CONFIRM THAT WORK AS INDICATED ON THESE CONSTRUCTION DOCUMENTS CAN BE ACCOMPLISHED AS SHOWN PRIOR TO COMMENCEMENT OF ANY WORK.
- ALL FIELD MODIFICATIONS BEFORE, DURING, OR AFTER CONSTRUCTION SHALL BE APPROVED IN WRITING BY A VERIZON REPRESENTATIVE.
- INSTALL ALL EQUIPMENT AND MATERIALS PER THE MANUFACTURER'S RECOMMENDATIONS, U.N.O.
- NOTIFY VERIZON, IN WRITING, OF ANY MAJOR DISCREPANCIES REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS, AND DESIGN INTENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATIONS FROM A VERIZON REPRESENTATIVE AND ADJUSTING THE BID ACCORDINGLY.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF THE WORK UNDER THE CONTRACT.
- CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS AND FINISHES THAT ARE TO REMAIN. CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY OCCUR DURING THE CONSTRUCTION TO THE SATISFACTION OF A VERIZON REPRESENTATIVE.
- THE CONTRACTOR IS RESPONSIBLE FOR RED-LINING THE CONSTRUCTION PLANS TO ILLUSTRATE THE AS BUILT CONDITION OF THE SITE. FOLLOWING THE FINAL INSPECTION BY VERIZON, THE CONTRACTOR SHALL PROVIDE VERIZON WITH ONE COPY OF ALL RED-LINED DRAWINGS.
- VERIFY ALL FINAL EQUIPMENT WITH A VERIZON REPRESENTATIVE. ALL EQUIPMENT LAYOUT, SPECS, PERFORMANCE INSTALLATION AND THEIR FINAL LOCATION ARE TO BE APPROVED BY VERIZON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS/HER WORK WITH THE WORK AND CLEARANCES REQUIRED BY OTHERS RELATED TO SAID INSTALLATIONS.

**PROJECT INFORMATION:**

PROPERTY OWNER:	WASHINGTON HEIGHTS BAPTIST CHURCH 1770 E 6200 S SOUTH OGDEN, UT 84405
JURISDICTION:	SOUTH OGDEN CITY BUILDING & INSPECTIONS 3950 S ADAMS AVE SOUTH OGDEN, UT 84403
PUBLIC RECORD PARCEL NO:	070830077
OCCUPANCY CLASSIFICATION:	U - UTILITY & MISC.
TYPE OF CONSTRUCTION:	TYPE II-B

**PROJECT DESCRIPTION:**

THIS PROJECT CONSISTS OF THE FOLLOWING:

**REMOVE**

- ONE (1) EXISTING 3315 OVP UNIT
- ONE (1) EXISTING 2260 OVP UNIT

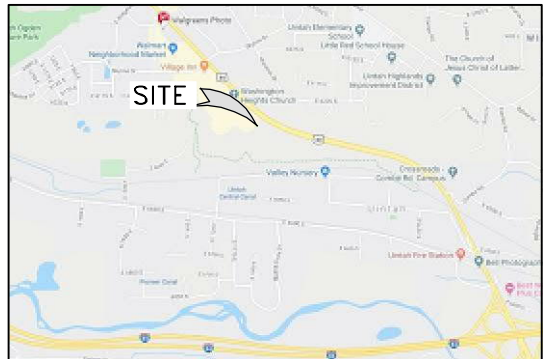
**INSTALLATION**

- TWO (2) NEW C-BAND PANEL ANTENNAS
- ONE (1) NEW 6627 OVP UNIT
- ONE (1) NEW 6x12 HYBRID CABLE
- THREE (3) NEW 48V, 50A RECTIFIERS
- ONE (1) NEW BBU 6648 UNIT (WITHIN CABINET)
- ONE (1) NEW RAYCAP 4520 OVP UNIT (WITHIN CABINET)
- TWO (2) NEW POWERSHIFT UP CONVERTER UNITS (WITHIN CABINET)

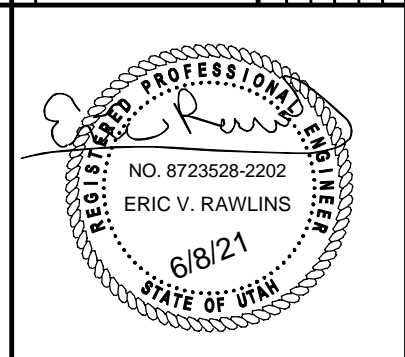
**DRIVING DIRECTIONS:**

LATITUDE: 41.14901388 N  
LONGITUDE: -111.9326 W

FROM THE VERIZON OFFICE LOCATED AT 9656 S PROSPERITY ROAD IN WEST JORDAN: HEAD NORTH ON PROSPERITY ROAD (0.8 MI) TURN RIGHT ONTO UT-48 AND CONTINUE ON W 9000 S (7.3 MI.) TURN LEFT AND MERGE ONTO 1-15 N (0.4 MI.) HEAD NORTH ON I-15 (28.0 MI.) TAKE EXIT 324 FOR US-89 (0.3 MI.) HEAD NORTH ON US-89 (12.7 MI.) SITE IS ON LEFT. GO TO SKYLINE DR. AND TURN LEFT. TAKE FIRST LEFT THROUGH BUSINESS AREA. LEFT ON 6200 TO CHURCH ENTRANCE. THROUGH PARKING AREA TO SITE.



VICINITY MAP  
SCALE: N.T.S. NORTH



**PROJECT NAME:**

SAL UINTAH RIDGE  
C-BAND\_INSTALLATION PROJECT

**PROJECT ADDRESS:**

1770 E 6200 S  
SOUTH OGDEN, UTAH 84405  
WEBER COUNTY

**SHEET TITLE:**

TITLE SHEET

**SAVE DATE:**

6/8/2021 2:02 PM

**SHEET NUMBER:**

T1

**GENERAL PROJECT NOTES:**

1. CONTRACTOR IS RESPONSIBLE FOR ERECTING TEMPORARY BARRICADES AND/OR FENCING TO PROTECT THE SAFETY OF THE PUBLIC DURING CONSTRUCTION. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY BARRIERS AND REPAIR ALL DAMAGE TO PROPERTY ON THE SITE CAUSED BY THIS CONSTRUCTION. THE COST OF REPAIR IS THE CONTRACTOR'S RESPONSIBILITY.
2. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE PRIOR TO ORDERING ANY MATERIALS OR CONDUCTING ANY WORK.
4. EXCESS SOIL MATERIAL AND DEBRIS CAUSED BY THIS CONSTRUCTION SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
5. CONTRACTOR SHALL MAKE ADJUSTMENTS TO GRADING ELEVATIONS AS NECESSARY TO ENSURE A SITE FREE OF DRAINAGE PROBLEMS.
6. CONTRACTOR SHALL COORDINATE A CONSTRUCTION LAYDOWN AREA WITH THE PROPERTY OWNER. CONSTRUCTION LAYDOWN AREA SHALL BE FENCED-IN WITH TEMPORARY (45 DAY) CONSTRUCTION FENCE. THE TEMPORARY FENCE SHALL BE CONSTRUCTED OF 6' HIGH CHAIN LINK FABRIC AND IS TO BE REMOVED AT THE END OF CONSTRUCTION. LAYDOWN AREA IS TO BE RESTORED TO ITS ORIGINAL CONDITION AFTER FENCE REMOVAL.
7. SURVEY INFORMATION SHOWN WAS CREATED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A LEGAL BOUNDARY SURVEY.
8. THESE PLANS DO NOT ADDRESS THE SAFETY AND STABILITY OF THE STRUCTURE DURING ASSEMBLY AND ERECTION, WHICH ARE THE RESPONSIBILITY OF THE ERECTOR, BASED ON THE MEANS AND METHODS CHOSEN BY THE ERECTOR.

**GENERAL CONTRACTOR NOTES:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE PROJECT SCOPE OF WORK DEFINED UNDER THE REQUEST FOR PROPOSAL (RFP) FOR THIS PROJECT AND ALL ASSOCIATED ATTACHMENTS AND DOCUMENTS PROVIDED.  
 THE RFP AND ALL ASSOCIATED DOCUMENTS SHALL DEFINE THE COMPLETE PROJECT SCOPE OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL DOCUMENTS AND IS SOLELY RESPONSIBLE FOR ALL WORK.  
 ALL DOCUMENTS INCLUDED WITHIN THE PROJECT REQUEST FOR PROPOSAL ARE REQUIRED FOR THE COMPLETE PROJECT SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK (EQUIPMENT, MATERIAL, INSTALLATION, TESTING, ETC.) INDICATED IN ALL DOCUMENTS. THE RFP, VERIZON NETWORK STANDARDS AND PROJECT ADDENDUMS AND CLARIFICATIONS ARE COMPLEMENTARY TO EACH OTHER. THE FORMAT OF THE SPECIFICATIONS AND DRAWING NUMBERING PER DISCIPLINE IS NOT INTENDED TO IMPLY SEGREGATION OF SUB CONTRACTOR WORK. CONTRACTOR SHALL ASSIGN ALL SUB CONTRACTOR WORK AND VERIZON SHALL NOT ACCEPT ANY CHANGE ORDERS FOR INTERNAL CONTRACTOR WORK ASSIGNMENTS.  
 CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTING ALL RFP DOCUMENTS TO THEIR SUB CONTRACTORS. ALL RFP DOCUMENTS ARE REQUIRED TO INDICATE THE PROJECT SCOPE OF WORK. PARTIAL SUB CONTRACTOR DOCUMENT PACKAGES ARE HIGHLY DISCOURAGED.  
 IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS, SPECIFICATIONS, REFERENCED STANDARDS, VERIZON STANDARDS, OR AGREEMENT TERMS AND CONDITIONS THE ARCHITECT/ ENGINEER SHALL BE CONTACTED FOR FORMAL INTERPRETATION OF THE REQUIREMENTS. THE CONTRACTOR SHALL BE DEEMED TO HAVE PROVIDED THE DETAILED AND EXTENSIVE INTERPRETATION. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECT/ ENGINEER INTERPRETATIONS SHALL BE CORRECTED BY THE CONTRACTOR AT NO EXPENSE TO VERIZON.
2. ALL ANTENNAS MUST BE PIM TESTED WITHIN 48 HOURS OF THEM BEING RECEIVED BY THE INSTALLATION CONTRACTOR. THOSE RESULTS MUST BE SENT BACK TO THE VERIZON CONSTRUCTION ENGINEER AND EQUIPMENT ENGINEER WITHIN THE SAME 48 HOURS. IF YOU MISS THE 48HR TIMELINE AND THE ANTENNAS DO NOT PASS UPON INSTALLATION, YOUR COMPANY WILL BE CHARGED FOR THE COST OF THE ANTENNAS FOR REPLACEMENT.
3. ALL LOADS MUST BE SECURED PROPERLY TO THE VEHICLE OR TRAILER. VERIZON WILL PASS ALONG THE COST OF ANY REPLACEMENTS DUE TO DAMAGE OR LOSS WHETHER IT IS NEW OR USED.

**ANTENNA, MOUNTS & HARDWARE INSTALLATION NOTES:**

1. CONTRACTOR TO INSTALL ANTENNAS, MOUNTS AND TOWER HARDWARE PER MANUFACTURER'S RECOMMENDATIONS (OR AS REQUIRED BY THE OWNER/PROVIDER).
2. ALL BOLTS SHALL BE TIGHTENED PER AISC REQUIREMENTS.
3. ANY GALVANIZED SURFACES THAT ARE DAMAGED BY ABRASIONS, CUTS, DRILLING OR FIELD WELDING DURING SHIPPING OR ERECTION SHALL BE TOUCHED-UP WITH TWO COATS OF COLD GALVANIZING COMPOUND MEETING THE REQUIREMENTS OF ASTM A780.
4. ANTENNA MOUNTS SHALL NOT BE USED AS A CLIMBING DEVICE. WORKERS SHALL ALWAYS TIE OFF TO AN APPROVED CLIMBING POINT.
5. SEE ALSO GENERAL ANTENNA NOTES ON SHEET RF1 (IF APPLICABLE).

**MAIN OVP, SECTOR BOX, RRH, TMA, & DIPLEXER INSTALLATION NOTES:**

1. CONTRACTOR TO INSTALL MAIN OVP, SECTOR BOXES, REMOTE RADIO HEADS, TOWER MOUNTED AMPLIFIERS, AND/OR DIPLEXERS PER MANUFACTURER'S RECOMMENDATIONS.
2. ALL BOLTS SHALL BE TIGHTENED PER AISC REQUIREMENTS.
3. ANY GALVANIZED SURFACES THAT ARE DAMAGED BY ABRASIONS, CUTS, DRILLING OR FIELD WELDING DURING SHIPPING OR ERECTION SHALL BE TOUCHED-UP WITH TWO COATS OF COLD GALVANIZING COMPOUND MEETING THE REQUIREMENTS OF ASTM A780.

**COAX PORT NOTES:**

1. REQUIRED ADDITIONAL COAX PORTS TO BE ADDED AS NEEDED BY CONTRACTOR.
2. ANY ADDITIONAL COAX PORTS TO BE INSTALLED BELOW THE EXISTING, WHERE POSSIBLE.
3. CONTRACTOR TO INVESTIGATE INTERIOR OF SHELTER/EQUIPMENT ROOM FOR CLEAREST PENETRATION POINT.
4. ADDITIONAL COAX PORTS TO BE INSTALLED PER INDUSTRY STANDARDS.

**LEGEND OF SYMBOLS:**

REFERENCE LETTER OR NUMBER  
 SECTION OR DETAIL  
 SCALE:  
 SHEET WHERE DRAWN  
 SHEET WHERE TAKEN

SECTION LETTER  
 SHEET WHERE DRAWN  
 SHEET WHERE TAKEN

DETAIL NUMBER  
 SHEET WHERE DRAWN  
 SHEET WHERE TAKEN

⊕ CENTERLINE  
 d PENNY

◇ EQUIPMENT OR FIXTURE NUMBER  
 ○ KEYED NOTE  
 T.C. 1631.33  
 F.L. 1631.00 SPOT ELEVATION  
 TOP OF WALL  
 1639.00 CONTROL OR DATUM POINT  
 --- PROPERTY LINE  
 - - - - - EXISTING CONTOUR  
 - - - - - NEW CONTOUR  
 ∅ ROUND/DIAMETER  
 ~ APPROXIMATELY



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DESIGNED BY:	DATE	CHK			
		BY	SLM	AW	
REV	DESCRIPTION	DATE	6/8/21		
		APPROVED FOR CONSTRUCTION			



PROJECT NAME:  
**SAL UINTAH RIDGE**  
 C-BAND\_INSTALLATION PROJECT

PROJECT ADDRESS:  
 1770 E 6200 S  
 SOUTH OGDEN, UTAH 84405  
 WEBER COUNTY

SHEET TITLE:  
**SPECIFICATION & PHOTO SHEET**

SAVE DATE:  
 6/8/2021 2:02 PM

SHEET NUMBER:  
**SP1**

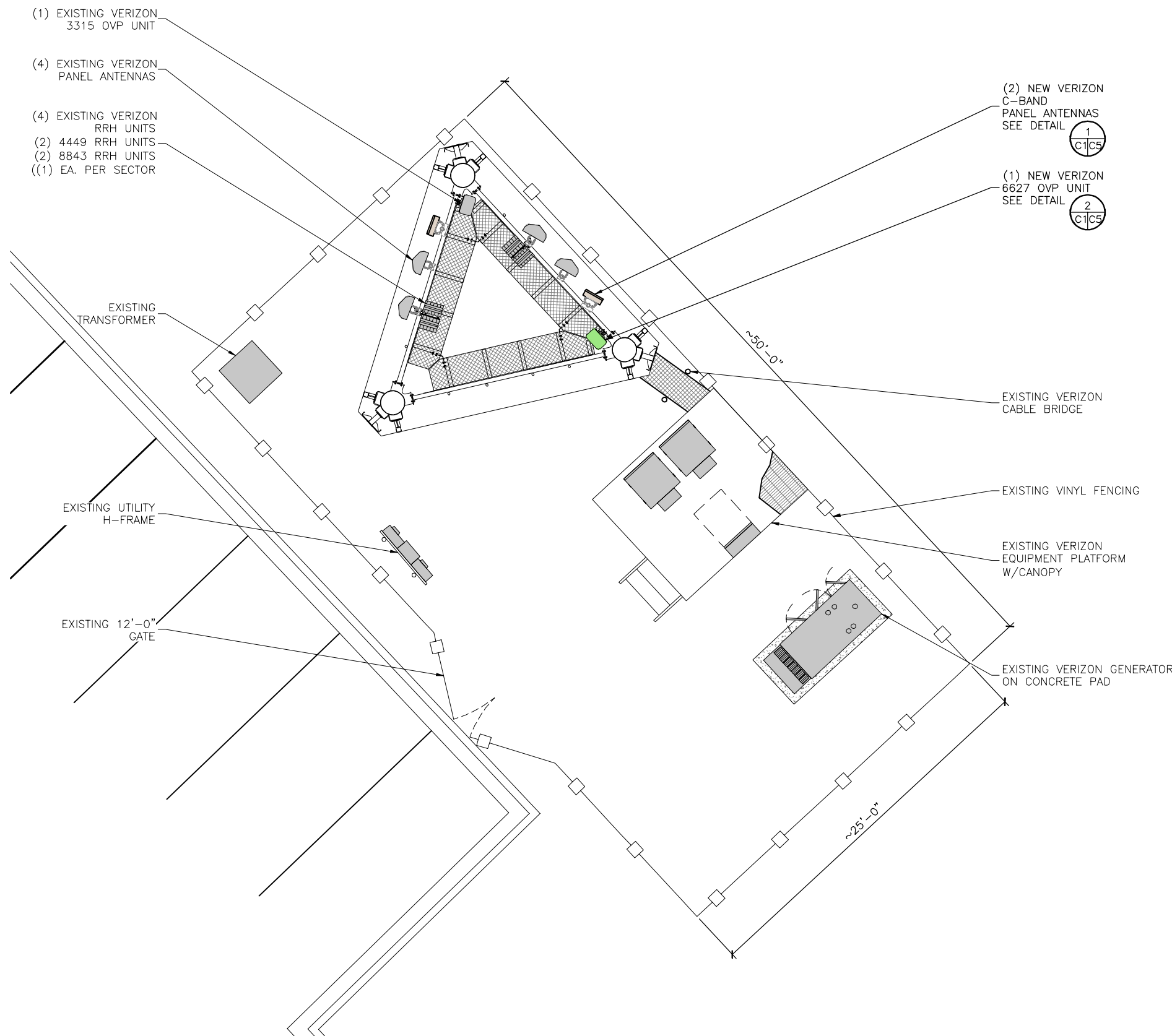


**VIEW OF EXISTING EQUIPMENT PLATFORM**



**VIEW OF EXISTING TOWER (LOOKING SOUTHWEST)**

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REV	DESCRIPTION	DATE	CHK	BY
0	APPROVED FOR CONSTRUCTION	6/8/21	SLM	AW



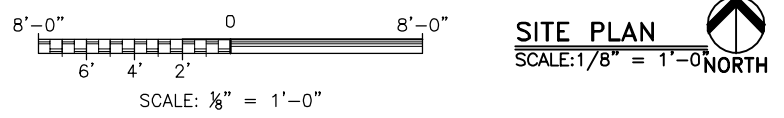
PROJECT NAME:  
**SAL UINTAH RIDGE**  
 C-BAND\_INSTALLATION PROJECT

PROJECT ADDRESS:  
 1770 E 6200 S  
 SOUTH OGDEN, UTAH 84405  
 WEBER COUNTY

SHEET TITLE:  
**SITE PLAN**

SAVE DATE:  
 6/8/2021 2:02 PM

SHEET NUMBER:  
**C1**

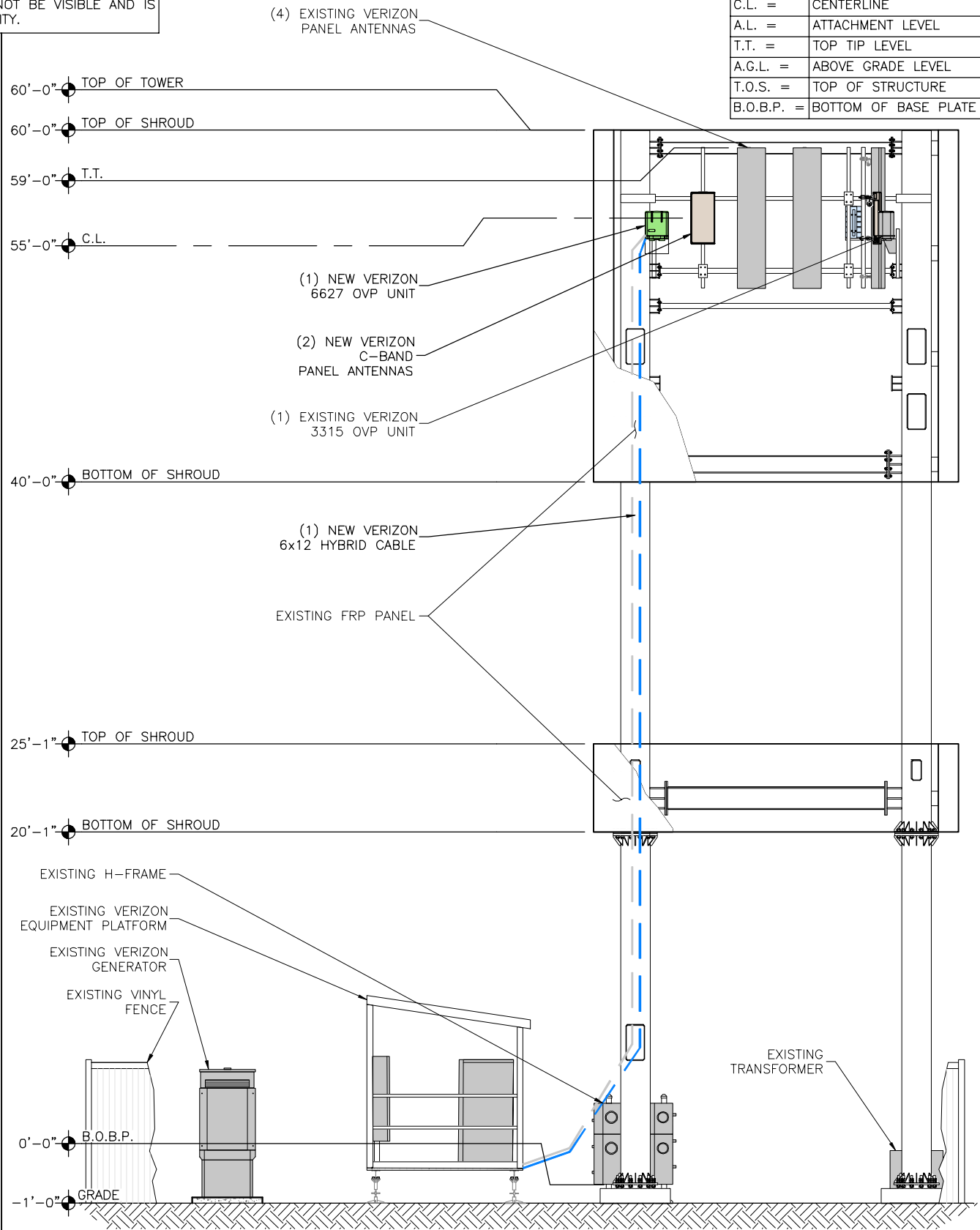
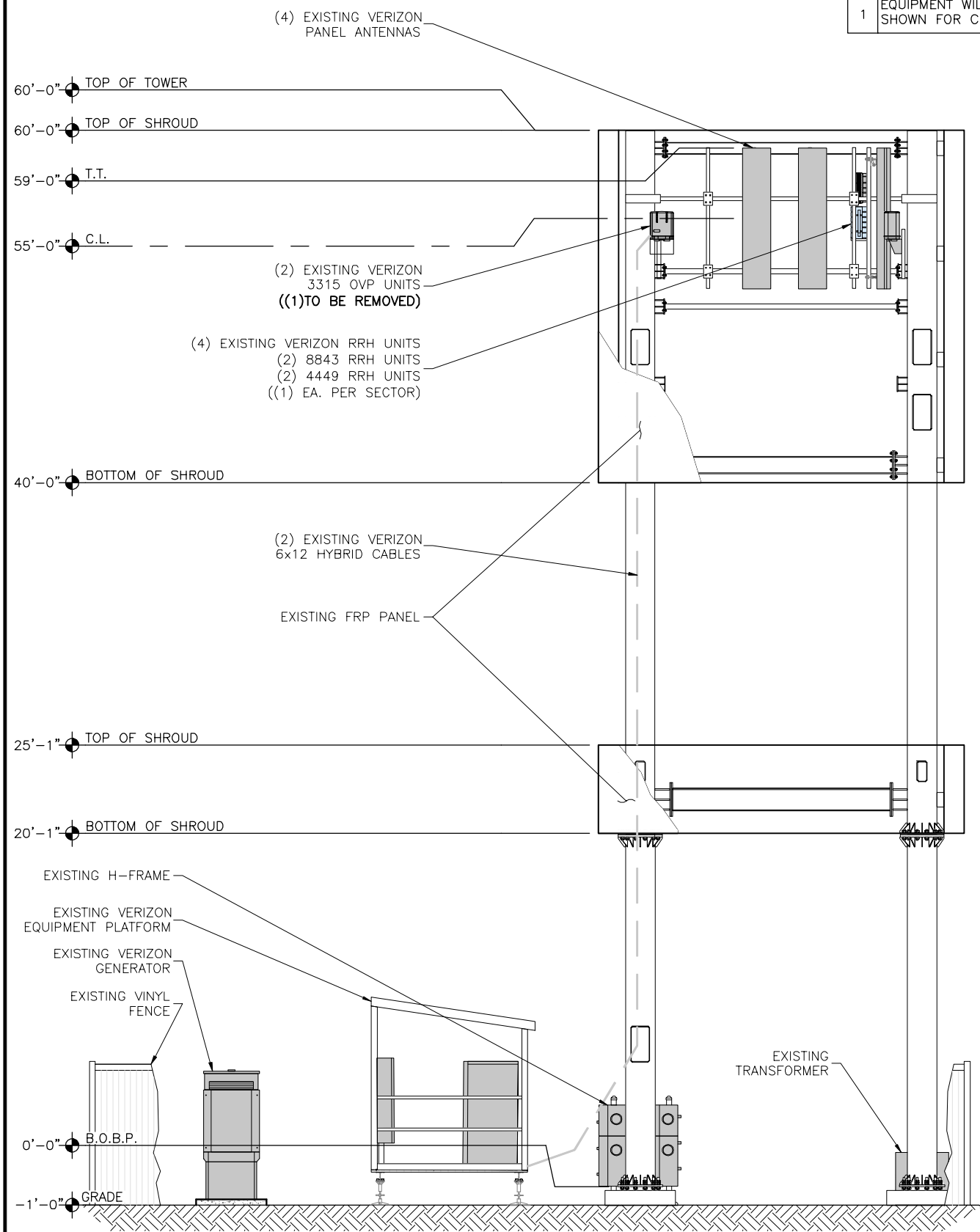


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**NOTE:**  
 1 EQUIPMENT WILL NOT BE VISIBLE AND IS SHOWN FOR CLARITY.

**KEY:**

C.L.	=	CENTERLINE
A.L.	=	ATTACHMENT LEVEL
T.T.	=	TOP TIP LEVEL
A.G.L.	=	ABOVE GRADE LEVEL
T.O.S.	=	TOP OF STRUCTURE
B.O.B.P.	=	BOTTOM OF BASE PLATE



**DISCLAIMER NOTE:**  
 ALL SHOWN INFORMATION PERTAINING TO THE SUBJECT TOWER AND ANTENNA MOUNTS IS FOR DEPICTION PURPOSED ONLY. CONFORMATION OF THE TOWER'S STRUCTURAL INTEGRITY IS BEYOND THE SCOPE OF THIS PROJECT. IN NO EVENT WILL J5 INFRASTRUCTURE PARTNERS BE LIABLE AND RESPONSIBLE FOR THE STRUCTURAL INTEGRITY AND ADEQUACY OF THE ANTENNA MOUNT, TOWER AND FOUNDATION WITHOUT FIRST REQUIRING STRUCTURAL ANALYSIS PRIOR TO THE INSTALLATION OF ANY NEW ANTENNAS AND ALL RELEVANT APPURTENANCES.

DESIGNED BY: J5 INFRASTRUCTURE PARTNERS

REV	DATE	DESCRIPTION	CHK BY	SLM	AW
0	6/8/21	APPROVED FOR CONSTRUCTION			



PROJECT NAME: SAL UINTAH RIDGE  
 C-BAND\_INSTALLATION PROJECT

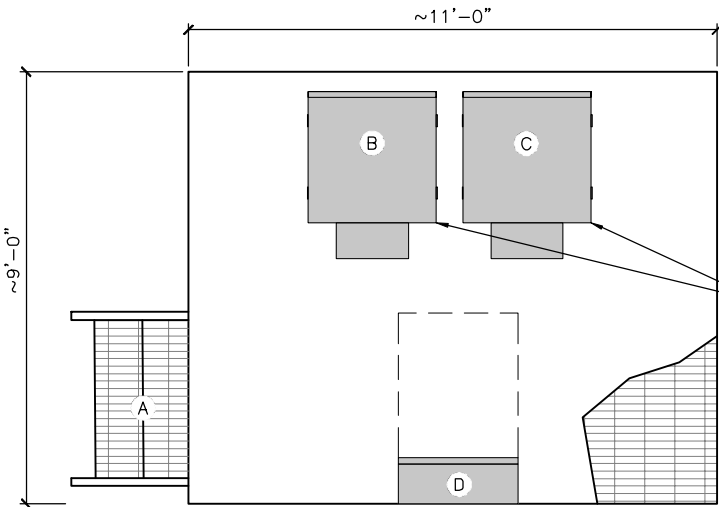
PROJECT ADDRESS: 1770 E 6200 S  
 SOUTH OGDEN, UTAH 84405  
 WEBER COUNTY

SHEET TITLE: ELEVATIONS

SAVE DATE: 6/8/2021 2:02 PM

SHEET NUMBER: C2

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**PLATFORM MAPPING**  
 SCALE: 1/4"=1'-0"  
  
 NORTH

**KEYED NOTES:**

A	STAIR ACCESS
B	PDF
C	BBU RACK
D	INTEGRATED LOAD CENTER

**POWER INFORMATION:**

**BATTERIES:**  
 TYPE: FAHRENHEIT  
 MODEL #:   
 QUANTITY: 8  
**PDF:**  
 TYPE: GE INFINITY  
 MODEL #: INFINITY S  
**EXISTING RECTIFIERS:**  
 TYPE: GE INFINITY  
 MODEL #: NE050AC48ATEZ  
 QTY: 3  
**NEW RECTIFIERS:**  
 TYPE: GE INFINITY  
 MODEL #: TBD  
 QTY: 3  
**CONVERTERS:**  
 TYPE: N/A  
 MODEL #:   
 QUANTITY:   
**GENERATOR:**  
 TYPE: GENERAC  
 MODEL #: G0066711  
 TANK: 132 GALLONS  
 SIZE: 30KW

**NEW HYBRID CABLE LENGTHS:**

FROM (OVP) TO (C-BAND ANTENNAS)				
C-BAND ANTENNA JUMPERS	SECTOR	CABLE/COAX SIZE (NOMINAL)	CABLE/COAX (QUANTITY)	CABLE/COAX LENGTH
	ALPHA	HYB 1X1	(1) NEW	15'
	BETA	HYB 1X1	(1) NEW	
FROM (RRH) TO (ANTENNAS)				
LTE ANTENNA JUMPERS	SECTOR	CABLE/COAX SIZE (NOMINAL)	CABLE/COAX (QUANTITY)	CABLE/COAX LENGTH
	ALPHA	1/2"φ	(12) EXISTING	CUT TO FIT
	BETA	1/2"φ	(12) EXISTING	CUT TO FIT
FROM (MOVP) TO (RRH)				
RRH JUMPERS	SECTOR	CABLE/COAX SIZE (NOMINAL)	CABLE/COAX (QUANTITY)	CABLE/COAX LENGTH
	ALPHA	HYB 1X1	(2) EXISTING	15'
	BETA	HYB 1X1	(2) EXISTING	
FROM (MOVP) TO (MOVP)				
MAIN TRUNK	SECTOR	CABLE/COAX SIZE (NOMINAL)	CABLE/COAX (QUANTITY)	CABLE/COAX LENGTH
	-	HYB 6x12	(2) EXISTING	~80'
	-	HYB 6x12	(1) NEW	~80'

<b>J5 INFRASTRUCTURE PARTNERS</b>	CHK			
	BY			
DATE	6/8/21			
DESCRIPTION	APPROVED FOR CONSTRUCTION			
REV	0			



PROJECT NAME:  
**SAL UINTAH RIDGE**  
 C-BAND\_INSTALLATION PROJECT

PROJECT ADDRESS:  
 1770 E 6200 S  
 SOUTH OGDEN, UTAH 84405  
 WEBER COUNTY

SHEET TITLE:  
**PLATFORM MAPPING & RRH CABLE CHART**

SAVE DATE:  
 6/8/2021 2:02 PM

SHEET NUMBER:  
**C3**

**verizon**  
 9656 SOUTH PROSPERITY ROAD  
 WEST JORDAN, UTAH 84081

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REV	0	APPROVED FOR CONSTRUCTION		

**J5 INFRASTRUCTURE PARTNERS**



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 C-BAND\_INSTALLATION PROJECT

PROJECT ADDRESS:

1770 E 6200 S  
 SOUTH OGDEN, UTAH 84405  
 WEBER COUNTY

SHEET TITLE:

**SECTIONS & DETAILS**

SAVE DATE:

6/8/2021 2:02 PM

SHEET NUMBER:

**C4**



REPLACE (1) EXISTING 2260 OVP UNIT WITH (1) 4520 OVP UNIT

INSTALL (1) NEW 6648 BBU

**BBU CABINET DETAIL**  
 SCALE: N.T.S.



ADD (3) 48V, 50A RECTIFIERS

ADD (2) NEW POWERSHIFT UP CONVERTERS

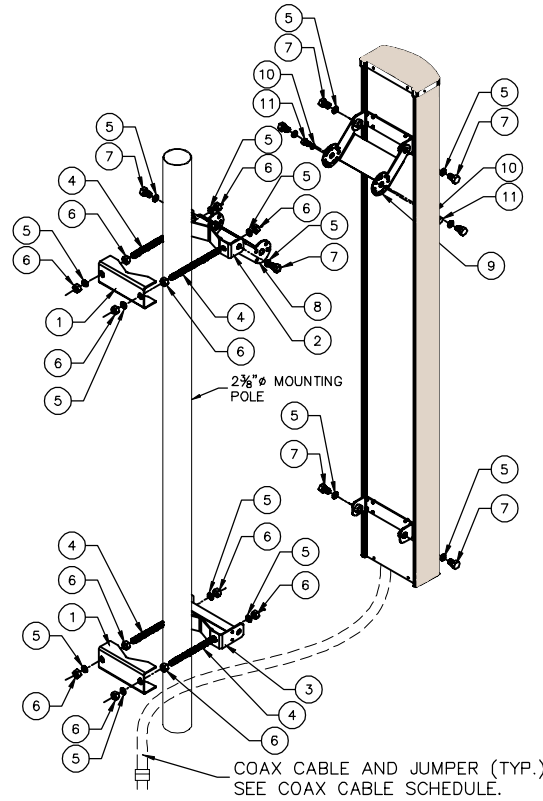
**PDF CABINET DETAIL**  
 SCALE: N.T.S.

**NOTE:**  
 CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL MOUNTING HARDWARE

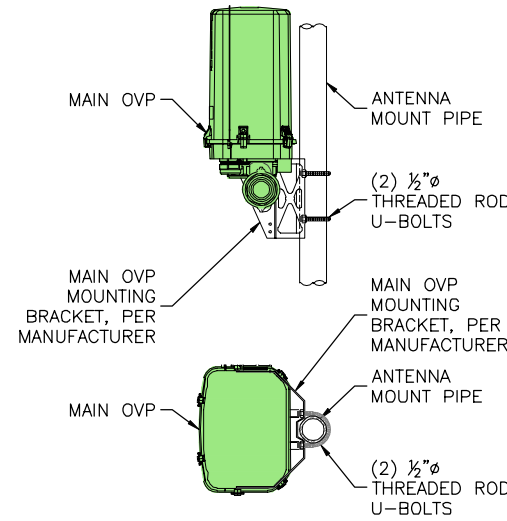
**ANTENNA ATTACHMENT HARDWARE:**

ITEM	PART NO.	QTY.	DESCRIPTION
①	601553-1	2	BRACKET, CLAMP
②	601539-1	1	ADAPTER, POLE
③	802355-4	1	ADAPTER, POLE LOWER
④	ROD190003	4	1/2" x 7" THREADED ROD
⑤	WSH150003	12	1/2" SPLIT WASHER
⑥	NUT150001	12	1/2" HEX HEAD NUT
⑦	BLT140002	6	1/2" x 1" HEX HEAD BOLT
⑧	601730-1	1	BRACKET, DOWNTILT POLE
⑨	601735-1	1	BRACKET, DOWNTILT, ANTENNA
⑩	WSH150006	2	5/16" SPLIT WASHER
⑪	BLT140004	2	5/16" HEX HEAD BOLT

OVERALL WEIGHT: 10.75 LBS.



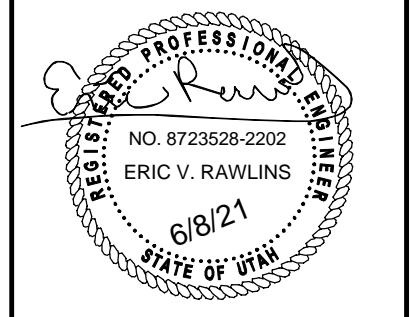
① ANTENNA ATTACHMENT DETAIL  
 C1/C5 SCALE: N.T.S.



② MAIN OVP UNIT CONNECTION DETAIL  
 C1/C5 SCALE: N.T.S.

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<b>J5 INFRASTRUCTURE PARTNERS</b>	CHK			
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REV	0			



PROJECT NAME: **SAL UINTAH RIDGE C-BAND\_INSTALLATION PROJECT**

PROJECT ADDRESS: **1770 E 6200 S SOUTH OGDEN, UTAH 84405 WEBER COUNTY**

SHEET TITLE: **SECTIONS & DETAILS**

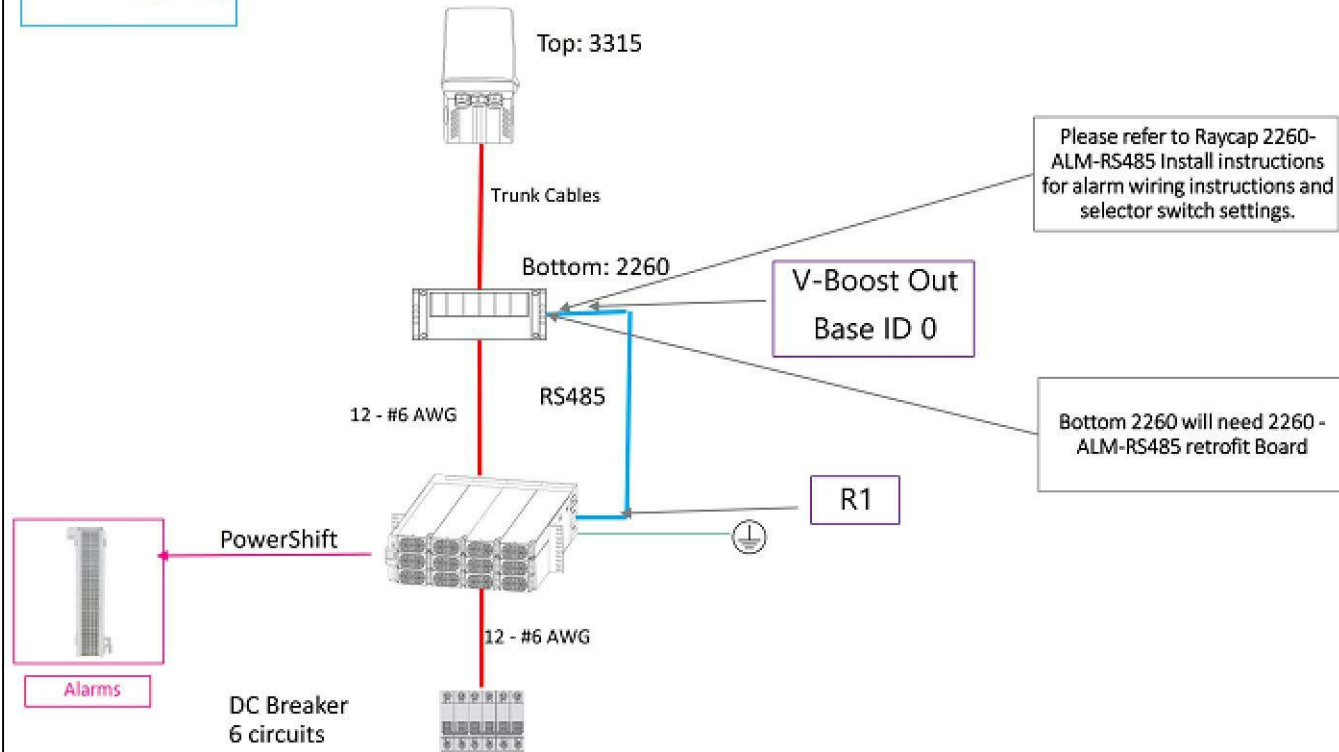
SAVE DATE: **6/8/2021 2:02 PM**

SHEET NUMBER: **C5**

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Retrofit Site Raycap 3315 Top and Raycap 2260 Bottom

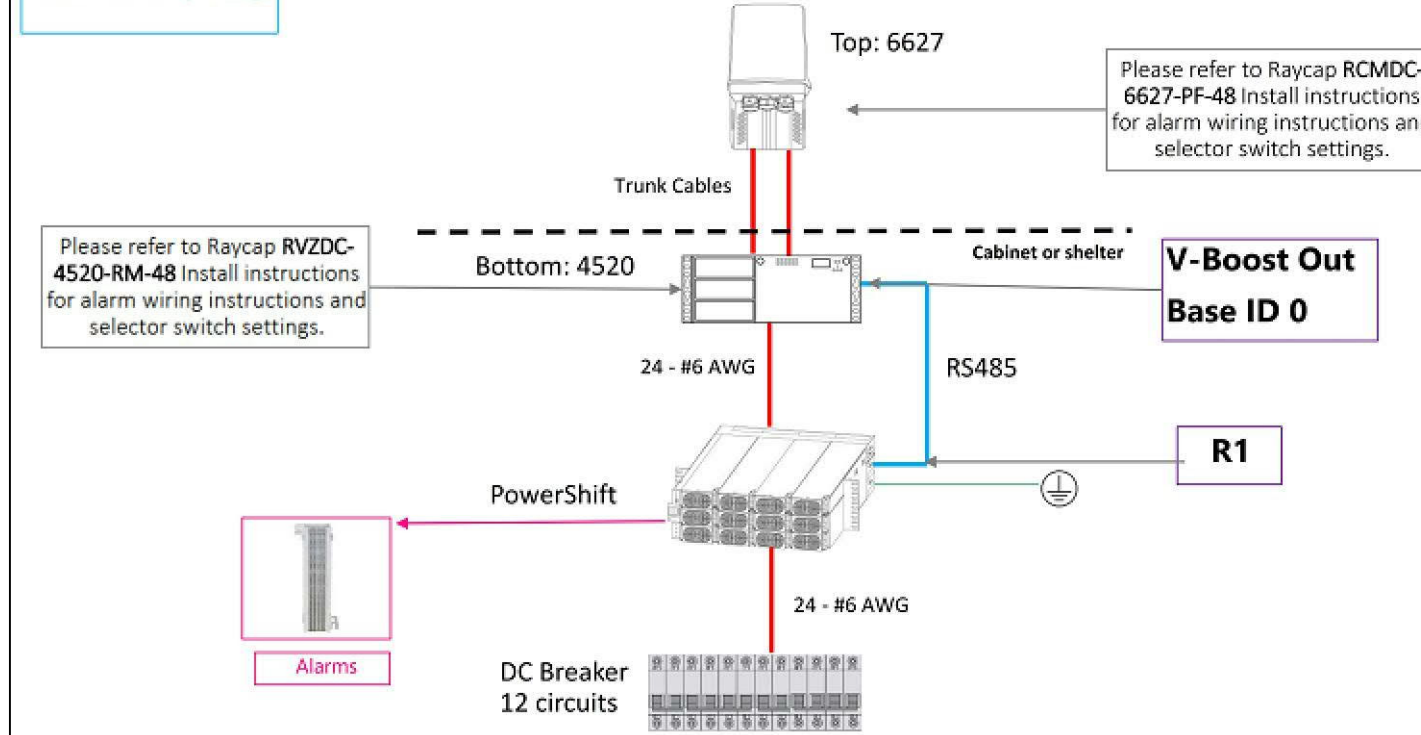
6 RRU Capacity



RAYCAP 3315 WIRING DIAGRAM

Raycap 6627 Top Raycap 4520 Rack Mount Bottom

12 RRU Capacity



RAYCAP 6627 WIRING DIAGRAM

DESIGNED BY:

**J5 INFRASTRUCTURE PARTNERS**

REV	DESCRIPTION	DATE	CHK BY	EVR
0	APPROVED FOR CONSTRUCTION	6/8/21	SLM	EVR

PROJECT NAME:  
 SAL UINTAH RIDGE  
 C-BAND\_INSTALLATION PROJECT

PROJECT ADDRESS:  
 1770 E 6200 S  
 SOUTH OGDEN, UTAH 84405  
 WEBER COUNTY

SHEET TITLE:  
 WIRING DIAGRAM

SAVE DATE:  
 6/8/2021 2:02 PM

SHEET NUMBER:  
 C6



**EXISTING VERIZON ANTENNA SCHEDULE:**

ATTACH LEVEL (CL)	AZIMUTHS (DEG., TN)	ANTENNA TYPE	ANTENNA QUANTITY	MOUNT TYPE	COAX (QUANTITY) SIZE (NOMINAL)	NOTES
55'-0"	30°	JMA X7CQAP-FRO-860-VR4 8' PANEL ANTENNA	2	POLE MOUNT	(2) 6x12 HYBRID CABLES	TO REMAIN
	290°	JMA X7CQAP-FRO-845-VR4 8' PANEL ANTENNA	2			TO REMAIN

- NOTES:**
- ALL EXISTING AZIMUTHS REFERENCE TRUE NORTH.
  - ALL EXISTING AZIMUTHS REFERENCE DATA COLLECTED FROM A RECENT SITE VISIT.

- NOTICE:**
- CONTRACTOR SHALL NOT SUBMIT BIDS OR PERFORM CONSTRUCTION WORK ON THIS PROJECT WITHOUT ACCESS TO THE CURRENT COMPLETE SET OF DRAWINGS LISTED IN THE TITLE-SHEET INDEX.

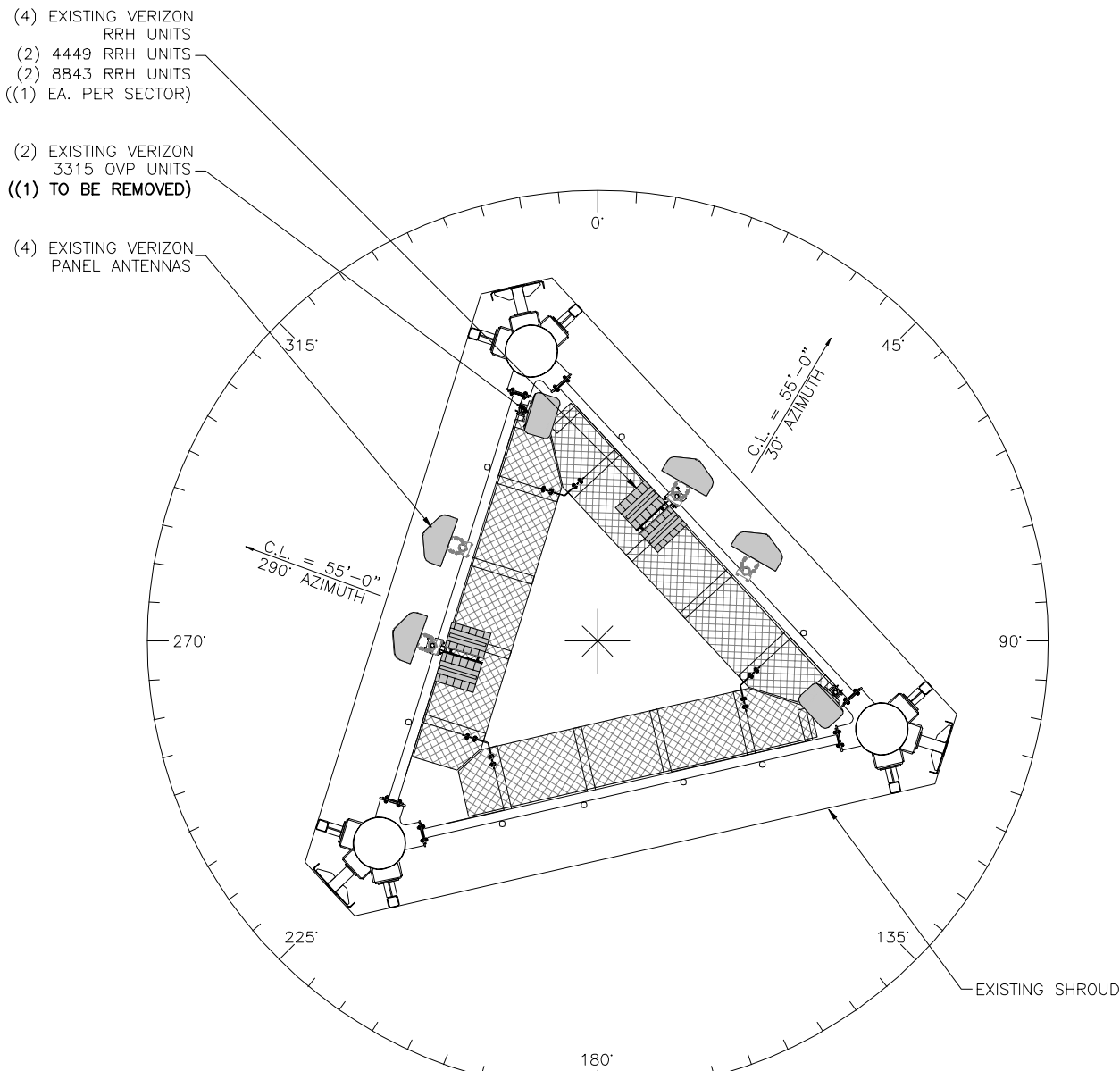
- GROUNDING NOTE:**
- ALL NEW EQUIPMENT & COAX TO BE GROUNDED PER VERIZON GROUNDING SPECS

**NEW VERIZON ANTENNA SCHEDULE:**

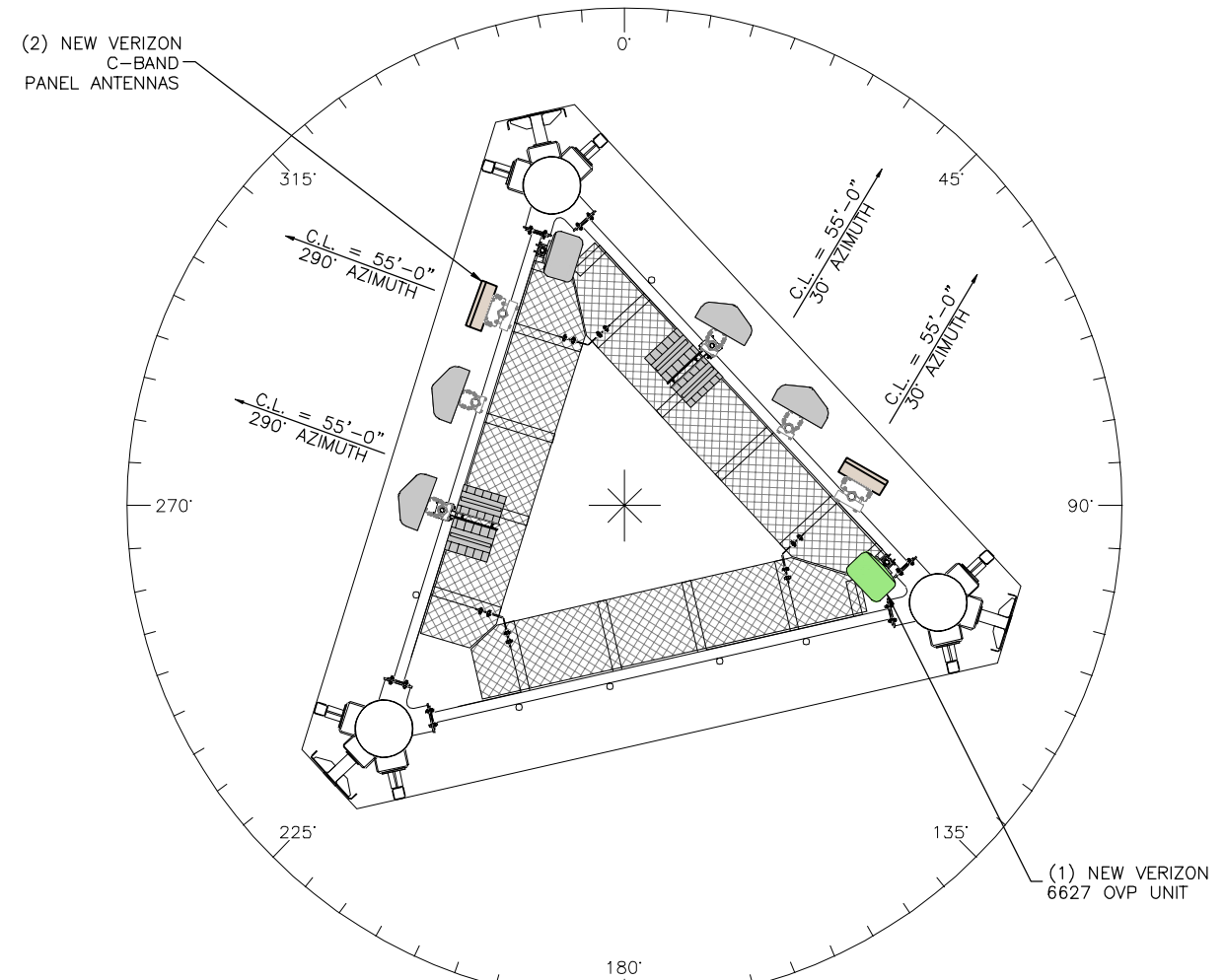
ATTACH LEVEL (CL)	AZIMUTHS (DEG., TN)	ANTENNA TYPE	ANTENNA QUANTITY	MOUNT TYPE	COAX (QUANTITY) SIZE (NOMINAL)	COAX CABLE LENGTH	MECHANICAL DOWN TILT
55'-0"	30°	JMA X7CQAP-FRO-860-VR4 8' PANEL ANTENNA	2 (EXISTING)	POLE MOUNT (EXISTING)	(2) 6x12 HYBRID CABLES (EXISTING) + (1) 6x12 HYBRID CABLE (NEW)	SEE CHART ON C3	SEE RFDS
	290°	JMA X7CQAP-FRO-845-VR4 8' PANEL ANTENNA	2 (EXISTING)				
	30° 290°	ERICSSON AIR 6449 4' PANEL ANTENNA	2 (NEW)				

- NOTES:**
- FOR EXACT ANTENNA INFORMATION REFER TO THE RF DESIGN.
  - ALL NEW COAX SHALL BE INSTALLED INSIDE OF MONOPOLE (IF POSSIBLE).
  - ALL UNUSED COAX SHALL BE REMOVED.
  - CONTRACTOR TO INSTALL DIPLEXERS IN SHELTER AND ON TOWER AS REQUIRED BY RF DESIGN, (IF APPLICABLE)

- GENERAL ANTENNA NOTES:**
- CONTRACTOR TO VERIFY MECHANICAL DOWNTILT WITH FINAL RFDS ENGINEER.
  - DUAL POLAR ANTENNAS REQUIRE TWO RUNS OF COAX PER ANTENNA.
  - CONTRACTOR TO VERIFY ALL ACTUAL LENGTHS IN FIELD PRIOR TO INSTALLATION AND NOTIFY THE FIELD ENGINEER FOR VERIFICATION OF SIZES OF CABLES.
  - CONTRACTOR TO PROVIDE AS BUILT FOR THE LENGTH OF CABLES UPON COMPLETION OF INSTALLATION.
  - CONTRACTOR TO PROVIDE FINAL CABLE LENGTHS AND RETURN LOSSES FOR ALL CABLES.
  - ALL AZIMUTHS REFERENCE TRUE NORTH. CONSULT REQUIRED QUADRANGLE MAP FOR NECESSARY MAGNETIC DECLINATION.



**EXISTING ANTENNA SECTION AT 55'-0"**  
 SCALE: 1/4"=1'-0"  
 NORTH



**NEW ANTENNA SECTION AT 55'-0"**  
 SCALE: 1/4"=1'-0"  
 NORTH

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DESIGNED BY:	DATE	CHK	BY	AW	SLM	AW	
							6/8/21
REV	DESCRIPTION	APPROVED FOR CONSTRUCTION					
0							

**J5 INFRASTRUCTURE PARTNERS**

DESIGNED BY:

**REGISTERED PROFESSIONAL ENGINEER**  
 NO. 8723528-2202  
 ERIC V. RAWLINS  
 6/8/21  
 STATE OF UTAH

PROJECT NAME:  
**SAL UINTAH RIDGE**  
 C-BAND\_INSTALLATION PROJECT

PROJECT ADDRESS:  
 1770 E 6200 S  
 SOUTH OGDEN, UTAH 84405  
 WEBER COUNTY

SHEET TITLE:  
**ANTENNA INFORMATION**

SAVE DATE:  
 6/8/2021 2:02 PM

SHEET NUMBER:  
**RF1**



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### Antenna Summary

Added														
700	850	1900	AWS	AWS3	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity
					5G	Ericsson	AIR6449	55	56.3	30(0001) 290(0002)	false	false	PHYSICAL	2
Removed														
700	850	1900	AWS	AWS3	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity
No data available.														
Retained														
700	850	1900	AWS	AWS3	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity
LTE	LTE 5G	LTE	LTE	LTE		JMA	X7CQAP-FRO-845-VR4	55	59	290(02)	false	false	PHYSICAL	2
LTE	LTE 5G	LTE	LTE	LTE		JMA	X7CQAP-FRO-860-VR0	55	59	30(01)	false	false	PHYSICAL	2

Added: 2      Removed: 0      Retained: 4

DESIGNED BY:	J5 INFRASTRUCTURE PARTNERS	CHK			
		BY			
DATE		6/8/21			
DESCRIPTION		APPROVED FOR CONSTRUCTION			
REV	0				

PROJECT NAME:  
SAL UINTAH RIDGE  
C-BAND\_INSTALLATION PROJECT

PROJECT ADDRESS:  
1770 E 6200 S  
SOUTH OGDEN, UTAH 84405  
WEBER COUNTY

SHEET TITLE:  
RFDS  
ANTENNA SUMMARY

SAVE DATE:  
6/8/2021 2:02 PM

SHEET NUMBER:  
RF2



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THERE IS NO PLUMBING DIAGRAM IN THE CURRENT VERSION OF THE RFDS.  
3/15/21

DESIGNED BY:	J5 INFRASTRUCTURE PARTNERS	CHK			
		BY	SLM	EVR	
DATE	6/8/21				
DESCRIPTION	APPROVED FOR CONSTRUCTION				
REV	0				

PROJECT NAME:

SAL UINTAH RIDGE  
C-BAND\_INSTALLATION PROJECT

PROJECT ADDRESS:

1770 E 6200 S  
SOUTH OGDEN, UTAH 84405  
WEBER COUNTY

SHEET TITLE:

RFDS  
PLUMBING DIAGRAM

SAVE DATE:

6/8/2021 2:02 PM

SHEET NUMBER:

RF3