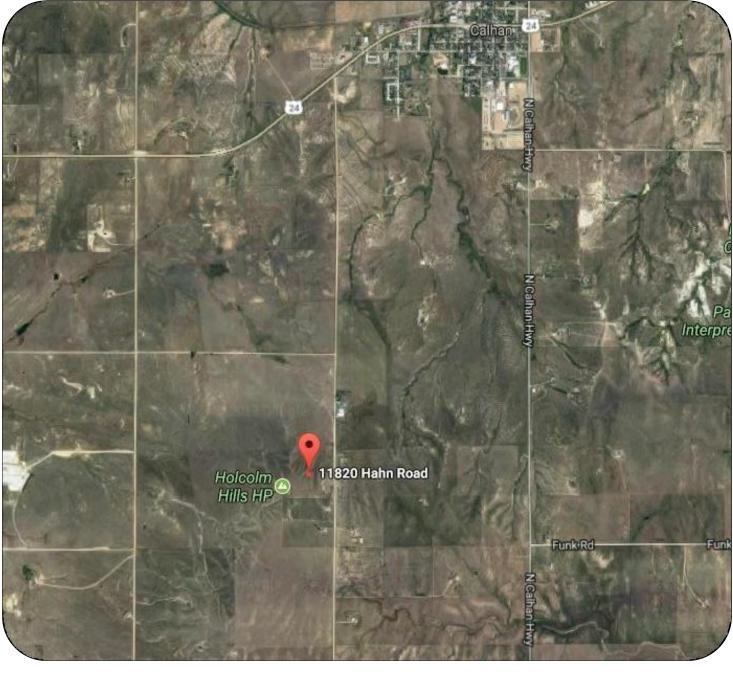
SITE NAME: CSP-CALHAN ADDRESS: 11820 HAHN ROAD CALHAN, CO 80808 JURISDICTIO: CONING: EL PASO COUNTY BUILDING: PIKES PEAK REGIONAL BUILDING DEPT. (PPRBD) VERIZON PROJECT #: 20181912673 PROJ. SUMMARY: SITE IMPROVEMENTS FOR A WIRELESS FACILITY FOR VERIZON (A) ANTENNAS & UPGRADINO (6) RRHS, & KUNNING ALL REQUIRED POWER & SIGNAL CABLES FROM THE EXISTING SHELTER TO THE NEW ANTENNAS: CODELIOCATION INFORMATION: CONSTRUCTION TYPE: V-B CCCUPANCY: B-UNMANNED EQUIPMENT SHELTER HEIGHT: 10-6" A.G.L. EXISTING ANTENNA HEIGHT: 100-0" A.G.L. NEW ANTENNA HEIGHT: 100-0" A.G.L. EXISTING ANTENNA HEIGHT: 00-0" A.G.L. NEW ANTENNA HEIGHT: 2010-0" A.G.L. NEW ANTENNA HEIGHT: 2010-0" A.G.L. NEW ANTENNA HEIGHT: 2010-0" A.G.L. BUILDING AREA: 438 S.F. CCCUPANT LOAD: 2/ UNMANNED BUILDING CODE: 2015 IBC	S
URISDICTION: ZONING: EL PASO COUNT' BUILDING: PIKES PEAK REGIONAL BUILDING DEPT. (PPRBD): VERIZON PROJECT #: 20181912673 PROJ. SUMMARY: SITE IMPROVEMENTS FOR A WIRELESS FACILITY FOR VERIZON MIRELESS, KNOWN AS "SOP-CALHAN". ALL WORK INCLUDES REPLACING (6) ANTENNAS & UPORADING (6) RRHS, & RUNNING ALL REQUIRED POWER & SIGNAL CABLES FROM THE EXISTING SHELTER TO THE NEW ANTENNAS. CODE/LOCATION INFORMATION: CONSTRUCTION TYPE: V-B COCUPANCY: B-UNMANNED EQUIPMENT SHELTER HEIGHT: 10°-6" A.G.L. EXISTING ANTENNA HEIGHT: 100°-0" A.G.L. EXISTING TOWER HEIGHT: 100°-0" A.G.L. NO. STORES: ONE (1) GROSS BUILDING AREA: 438 S.F. OCCUPANT LOAD: 2/ UNMANNED BUILDING CODE: 2015 IBC	S
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PROJ. SUMMARY: SITE IMPROVEMENTS FOR A WIRELESS FACILITY FOR VERIZON WIRELESS, KNOWN AS "CSP-CALHAN". ALL WORK INCLUDES REPLACING (6) ANTENNAS & UPGRADING (6) RRHS, & RUNNING ALL REQUIRED POWER & SIGNAL CABLES FROM THE EXISTING SHELTER TO THE NEW ANTENNA CODE/LOCATION INFORMATION: USA CONSTRUCTION TYPE: V-B OCCUPANCY: B-UNMANNED EQUIPMENT SHELTER HEIGHT: 100"-0" A.G.L. EXISTING ANTENNA HEIGHT: 100"-0" A.G.L. EXISTING ANTENNA HEIGHT: 100"-0" A.G.L. NO. STORIES: ONE (1) GROSS BUILDING AREA: 438 S.F. OCCUPANT LOAD: 21 / UNMANNED BUILDING CODE: 2015 IBC	S
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CONSTRUCTION TYPE: V-B OCCUPANCY: B-UNMANNED EQUIPMENT SHELTER HEIGHT: 10'-0" A.G.L. EXISTING TOWER HEIGHT: 100'-0" A.G.L. EXISTING ANTENNA HEIGHT: 100'-0" A.G.L. NOW ANTENNA HEIGHT: 100'-0" A.G.L. NO. STORIES: ONE (1) GROSS BUILDING AREA: 438 S.F. OCCUPANT LOAD: 2 / UNMANNED BUILDING CODE: 2015 IBC PROJECT CONTACTS ARCHITECT: OWNER: T-REX ARCHITEX CORLIS REALITY 3570 E. 12th AVE. 5225 SILVER DR.	
OCCUPANCY: B-UNMANNED EQUIPMENT SHELTER HEIGHT: 10'-6'' A.G.L. EXISTING TOWER HEIGHT: 100'-0'' A.G.L. EXISTING ANTENNA HEIGHT: 100'-0'' A.G.L. NEW ANTENNA HEIGHT: 100'-0'' A.G.L. NO. STORIES: ONE (1) GROSS BUILDING AREA: 438 S.F. OCCUPANT LOAD: 2 / UNMANNED BUILDING CODE: 2015 IBC	
ARCHITECT:OWNER:T-REX ARCHITEXCORLIS REALITY3570 E. 12th AVE.5225 SILVER DR.	
ARCHITECT:OWNER:T-REX ARCHITEXCORLIS REALITY3570 E. 12th AVE.5225 SILVER DR.	
ARCHITECT:OWNER:T-REX ARCHITEXCORLIS REALITY3570 E. 12th AVE.5225 SILVER DR.	
ARCHITECT:OWNER:T-REX ARCHITEXCORLIS REALITY3570 E. 12th AVE.5225 SILVER DR.	
T-REX ARCHITEXCORLIS REALITY3570 E. 12th AVE.5225 SILVER DR.	
DENVER, CO 80206 CLETE CORLIS	
REX CROOK, PROJECT ARCHITECT 719-599-9000 303-388-2918	
VERIZON WIRELESS	
CONSTRUCTION ENGINEER: ZONING:	
3131 SOUTH VAUGHN WAYRETHERFORD ENTERPRISES, INC.AURORA, CO 800147093 SILVERHORN DR.	
EVERGREEN, CO 80439MATT DEUTSCH303-817-4716PAM GOSS	
303-817-4716 PAM GOSS 303-884-1179	
VERIZON WIRELESS	
RF ENGINEER: 3131 SOUTH VAUGHN WAY	
AURORA, CO 80014	
JOE DAVIS 913-522-6807	

	SETBACK OR EASEMENT		FIBEROPTIC	
— W —	WATER LINE		DC POWER	X
— G —	GAS LINE	Ø	POWER POLE	$\left(\begin{array}{c} X \\ X \end{array} \right)$
—— E ——	ELECTRICAL)	BENCHMARK	$\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{$
— т —	TELCO	2	DOOR TAG	
— x —	FENCE	$\langle \mathbf{X} \rangle$	WINDOW TAG	\checkmark
		X	WALL TYPE	0 2' 4'
				V 2 4

16'	GR

CSP-CALHAN TE MODIFICATION REQUEST SMR-RADIO SWAP





VICINITY MAP SCALE: NTS

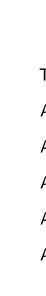
2. THIS SET OF PLANS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. DRAWINGS ARE NOT TO BE SCALED. WRITTEN DIMENSIONS TAKE PRECEDENCE.

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.

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.**

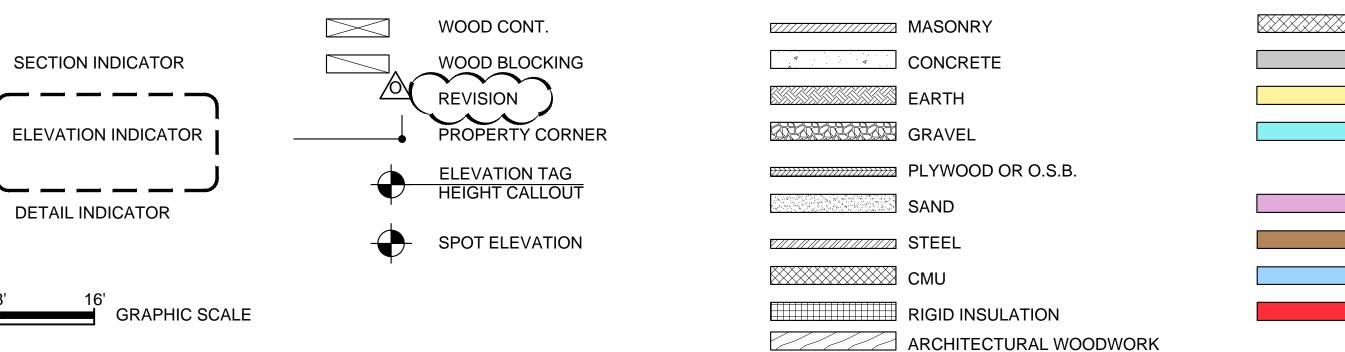
9. CALL 3-DAYS BEFORE YOU DIG ! NOTIFICATION HOTLINE: 1-800-922-1977 or 811





El Paso County Planning & Community Development will not authorize building permit until access permit is approved for this site. Access depicted on aerial photography does not correspond to actual access per lease and is not used for this site.

SYMBOL & MATERIAL LEGEND



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.

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.

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.

INDEX OF DRAWINGS: (7 SHEETS)

T1	TITLE SHEET
A1	SITE PLAN
A1.1	ELEVATION
A2	SHELTER PLANS / CABLE LENGTHS
A3	ANTENNA DETAILS
A3.1	SITE PHOTOS AND POWER SYSTEM DETAILS

Approved **By:Ryan Howser**



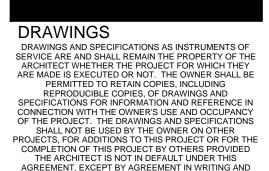
El Paso County Planning & Community Development

CHAIN LINK FENCE
EXISTING EASEMENT
NEW UTILITY EASEMENT
NEW ACCESS / UTILITY EASEMENT
LEASE AREA
NEW ANTENNAS
NEW RRHS / OVPS
NEW PENETRATIONS

	-
BBU	BASE BAND UNIT
OVP	OVER-VOLTAGE PROTECTION
PDF	POWER DISTRIBUTION FRAME
RRH	REMOTE RADIO HEAD
C.V.	CONTRACTOR VERIFY
±	PLUS OR MINUS
ፍ	CENTER-LINE
ዋ	PLATE

STAMP





APPROPRIATE COMPENSATION TO THE ARCHIT

PROJECT FOR



DATE ISSUED

NOVEMBER 22, 2019

ISSUED AS
ZD APPROVAL
PRELIMINARY CD SET
FINAL CD SET
PERMIT SUBMITTED
REVISIONS

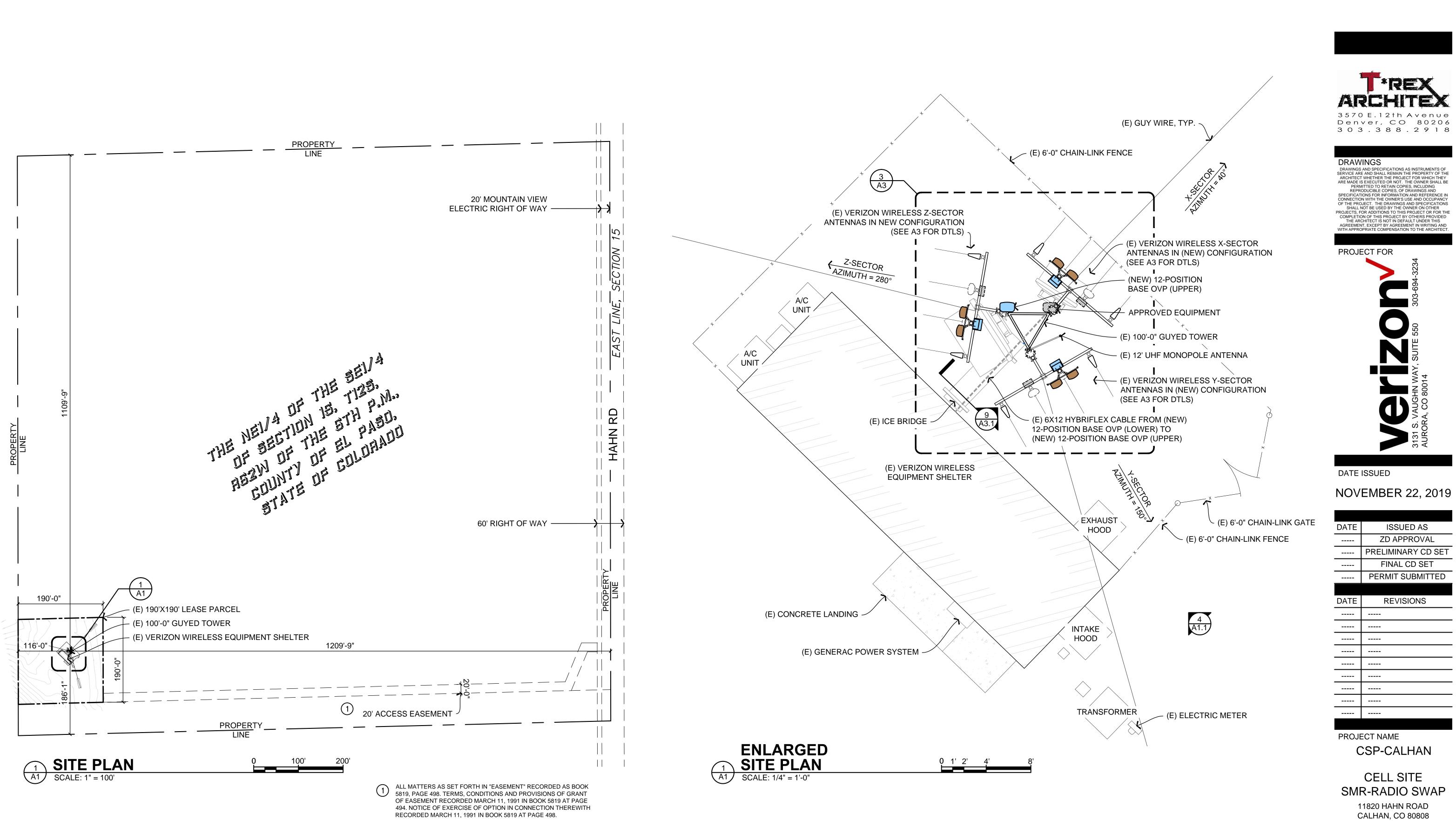
PROJECT NAME

CSP-CALHAN

CELL SITE SMR-RADIO SWAP 11820 HAHN ROAD CALHAN, CO 80808

COUNTY OF EL PASO STATE OF COLORADO

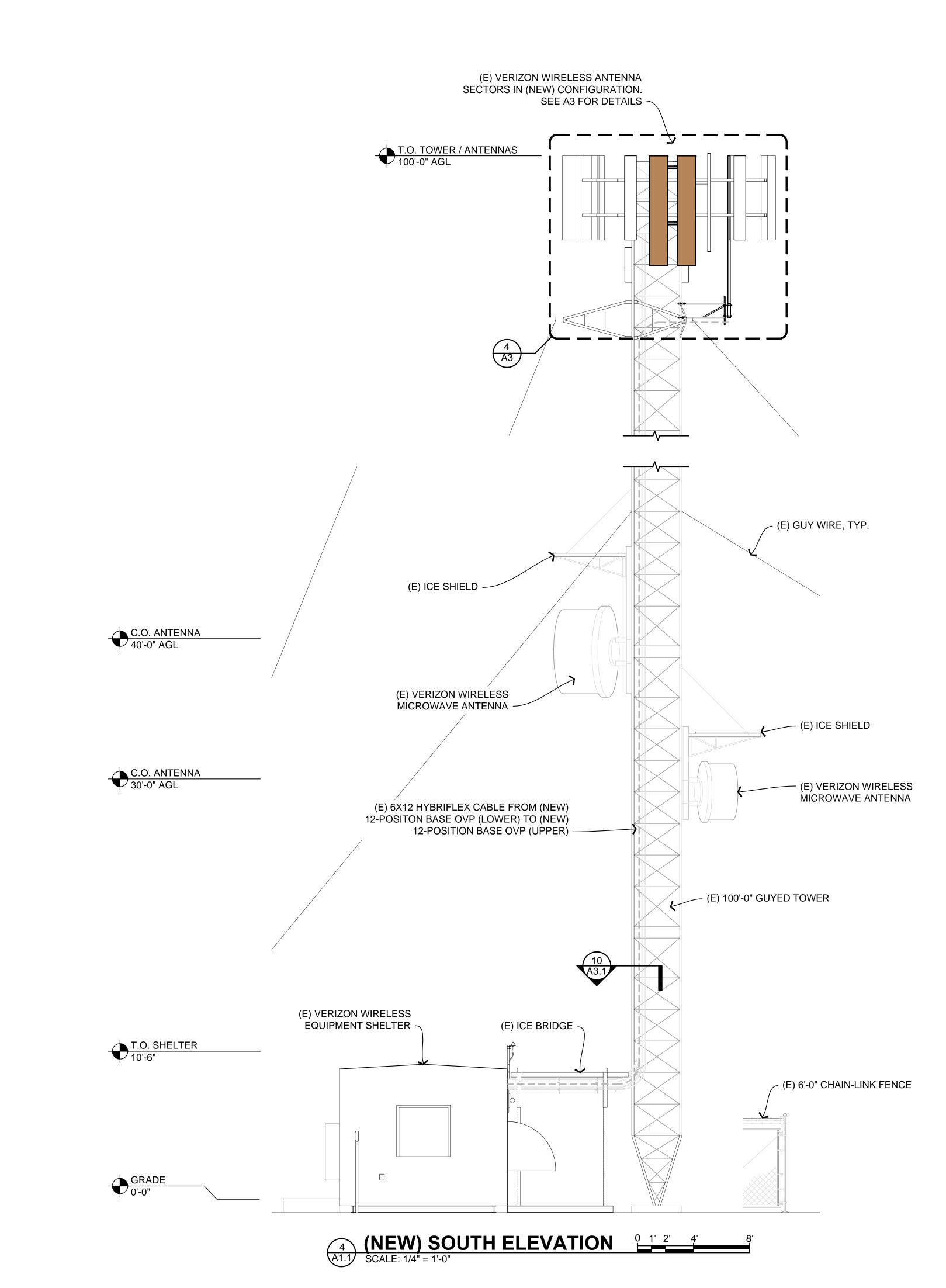




COUNTY OF EL PASO STATE OF COLORADO

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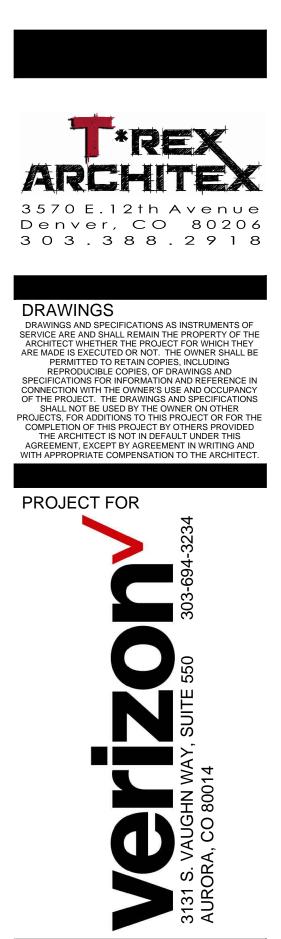






2 A1.1 SCALE: N.T.S.

STAMP



DATE ISSUED

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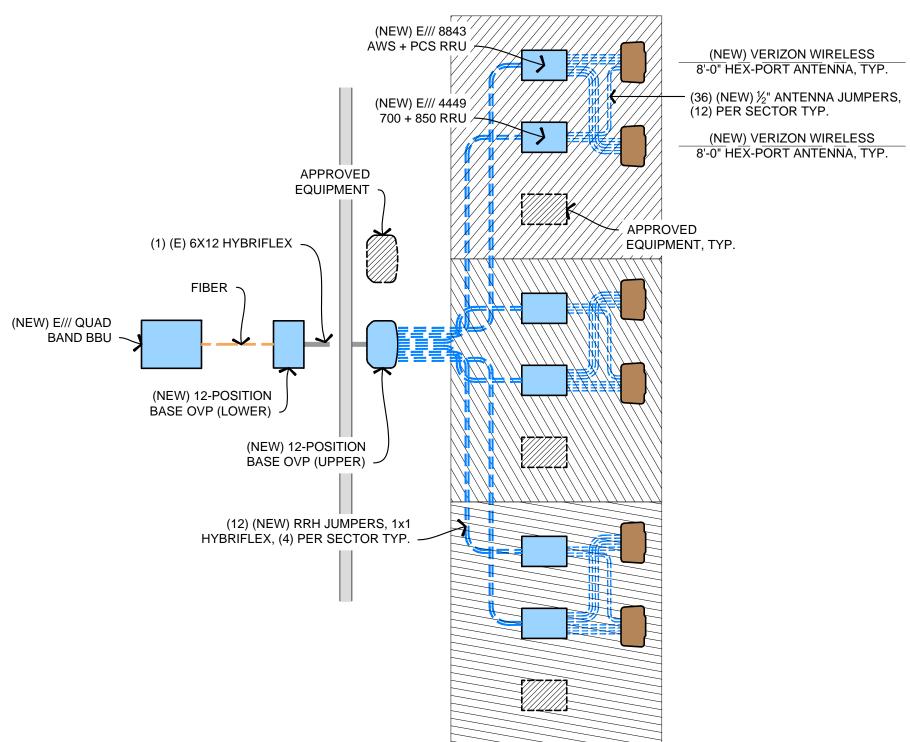


	POWER CABLE LENGTH						
	FROM PDF TO BASE OVP						
	POWER	SECTOR		<u>PE</u>	<u>LENGTH</u>	<u>QTY</u>	TOTAL
	POV	N/A	D PA	C JR	14'-0"	1	14'
	<u>H`</u>	YBRID CAE	BLE L	ENG	THS		
	FRO	OM BASE OVPS	(LOWE	R) TO B	ASE OVPS	(UPPER	R)
)R (S	SECTOR	TYPE	SIZE	<u>LENGTH</u>	QTY	TOTAL
	SECTOR TRUNKS	N/A	6x12	1 5⁄8"	120'-0"	1	(E)
	IS II					TOTAL	120'
	FRC	OM BASE OVP (UPPER)	TO RR	H'S		
	RRH JUMPERS	<u>SECTOR</u>	TYPE	<u>SIZE</u>	<u>LENGTH</u>	<u>QTY</u>	TOTAL
		X-SECTOR	1X1	1⁄2"	10'-0"	4	40'
		Y-SECTOR	1X1	1⁄2"	10'-0"	4	40'
		Z-SECTOR	1X1	1⁄2"	10'-0"	4	40'
						TOTAL	120'
	COAXIAL CABLE LENGTHS						
FROM RRH'S TO ANTENNAS							
		<u>SECTOR</u>	<u>TYPE</u>	<u>SIZE</u>	<u>LENGTH</u>	<u>QTY</u>	TOTAL
	NA RS	X-SECTOR	LDF4 -50A	1⁄2"	6'-0"	12	72'
	ANTENNA JUMPERS	Y-SECTOR	LDF4 -50A	1⁄2"	6'-0"	12	72'
	AN JU	Z-SECTOR	LDF4 -50A	1⁄2"	6'-0"	12	72'
	TOTAL 216'						

·				
FRO	OM PDF TO RRH	1		
POWER LENGTHS	SECTOR	TOTAL LENGTH		
	X-SECTOR	144'-0"		
	Y-SECTOR	144'-0"		
	Z-SECTOR	144'-0"		

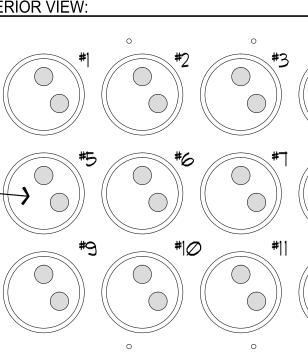
 (E)	

		EQUI	PMENT	DIMEN	ISIONS	<u>(</u> NEW)	
		TYPE	<u>LENGTH</u>	<u>WIDTH</u>	<u>DEPTH</u>	WEIGHT	QTY.
		BBU (QUADBAND)	19.0"	11.8"	3.5"	26.0 LBS	1
		12-POSITION BASE OVP (RACK MOUNT)	19.0"	13.64"	5.23"	15.25 LBS	1
		12-POSITION BASE OVP (UPPER)	19.8"	15.7"	10.25"	26.0 LBS	1
		DUAL BAND RRH AWS/PCS	18.0"	13.2"	11.3"	75 LBS	3
	DUAL BAND RRH 700/850	17.9"	13.8"	9.44"	70.55 LBS	3	
		ANTENNA	96.0"	11.9"	7.1"	51.6 LBS	6
L							

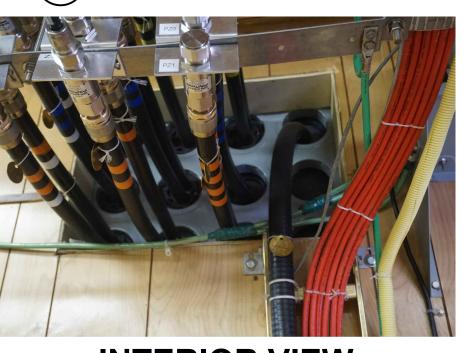


INTERIOR VIEW: GPS SPLITTER $\begin{pmatrix} 4 \end{pmatrix}$ A2SCALE: N.T.S. **INTERIOR VIEW: CABLE ENTRY** A2 SCALE: N.T.S. (E) 6X12 HYRBIRFLEX CABLE INTERIOR VIEW: #3 . \bigcirc #IØ ۳J \bigcirc \bigcirc \bigcirc \bigcirc

> $\frac{\text{EXISTING 12-PORT COAX ENTRY}}{\text{\#1-3: (2) (E) } \frac{7}{8} \text{"COAX, TO REMAIN}}$ #4: (E) 6x12 HYBRIFLEX MAIN TRUNK CABLE #5-7: (2) (E) 7⁄8" COAX, TO REMAIN #8: APPROVED HYBRIFLEX #9-11: (2) (E) 7⁄8" COAX, TO REMAIN #12: VACANT

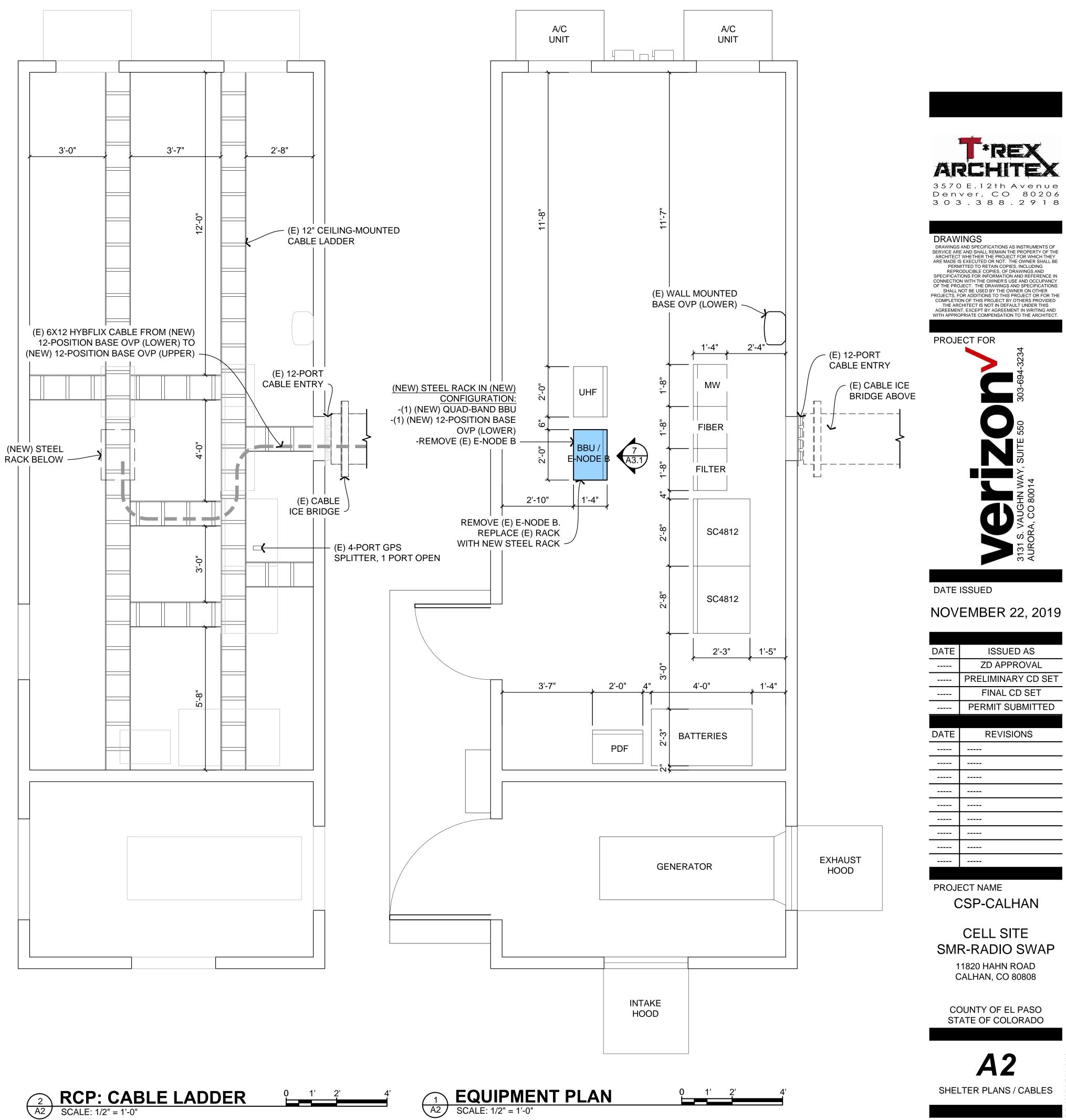




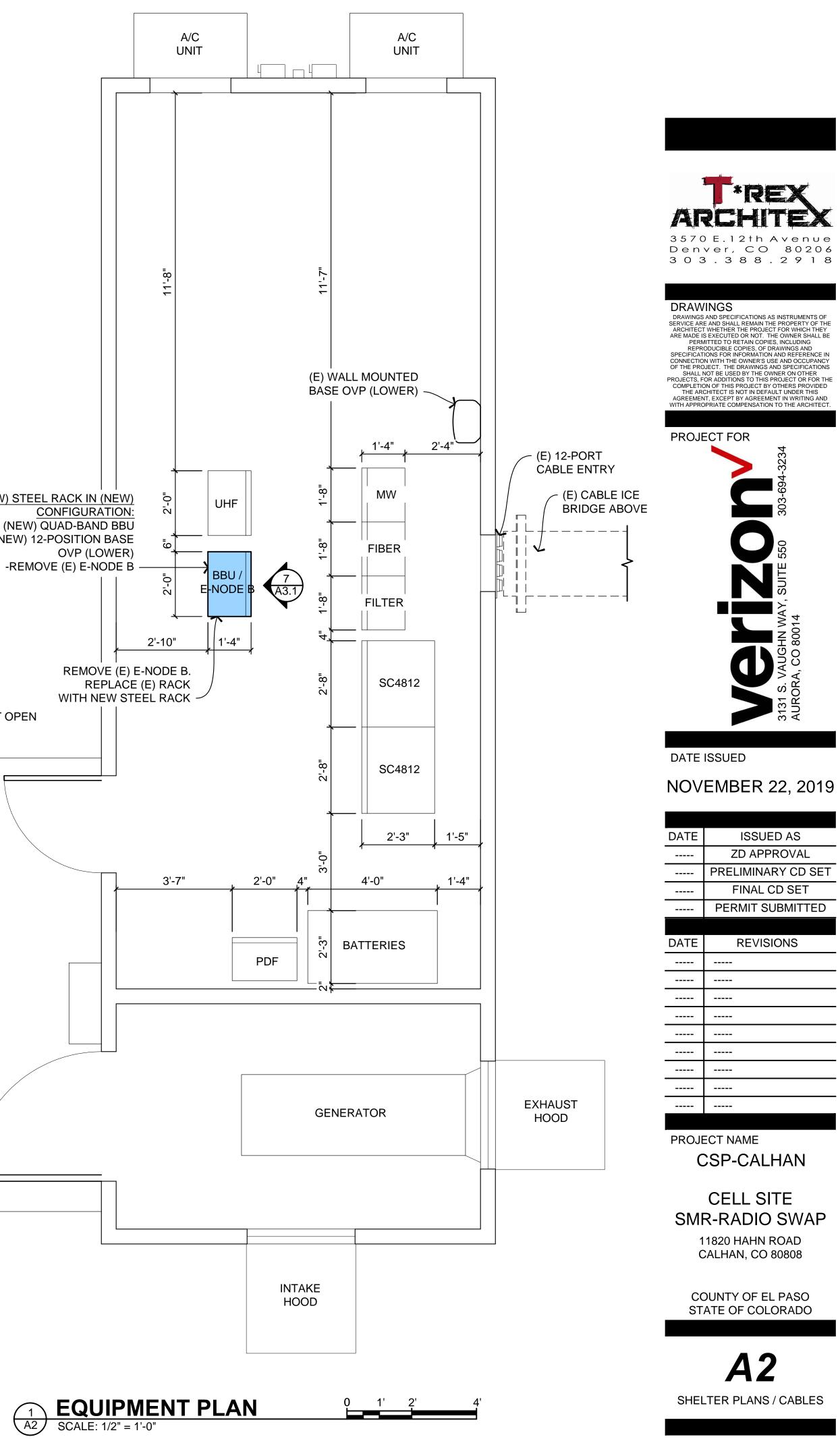




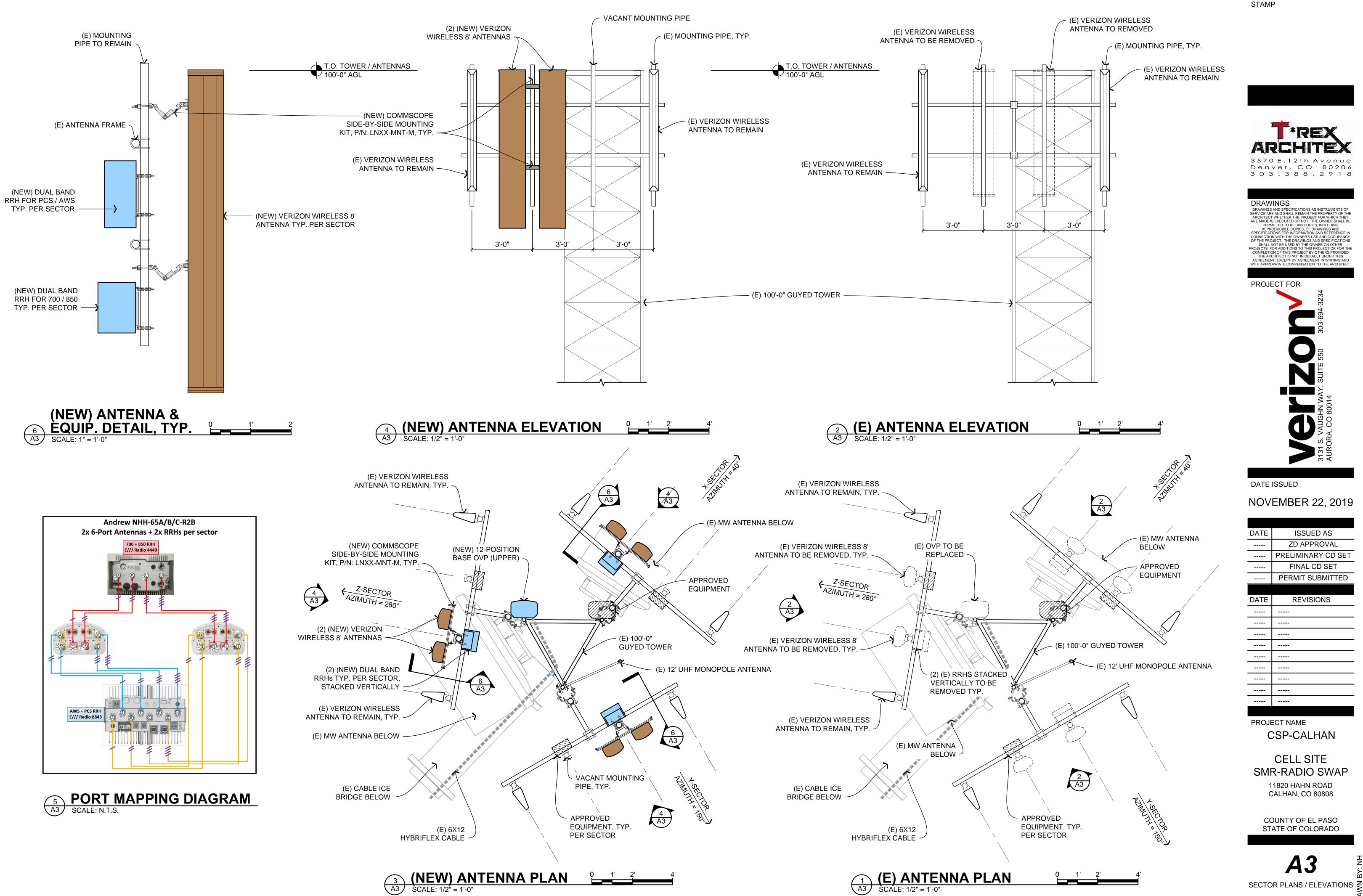




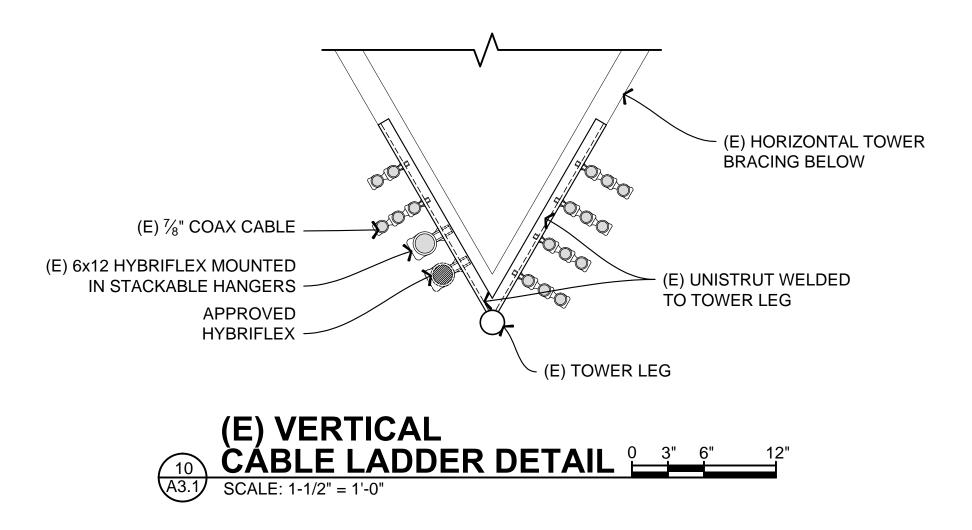


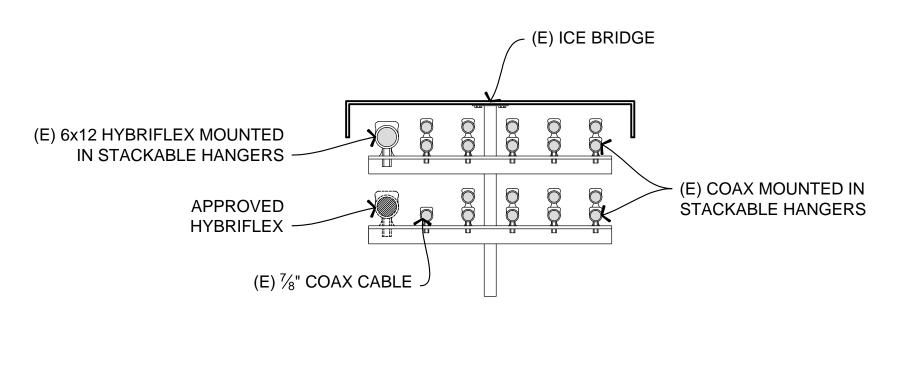


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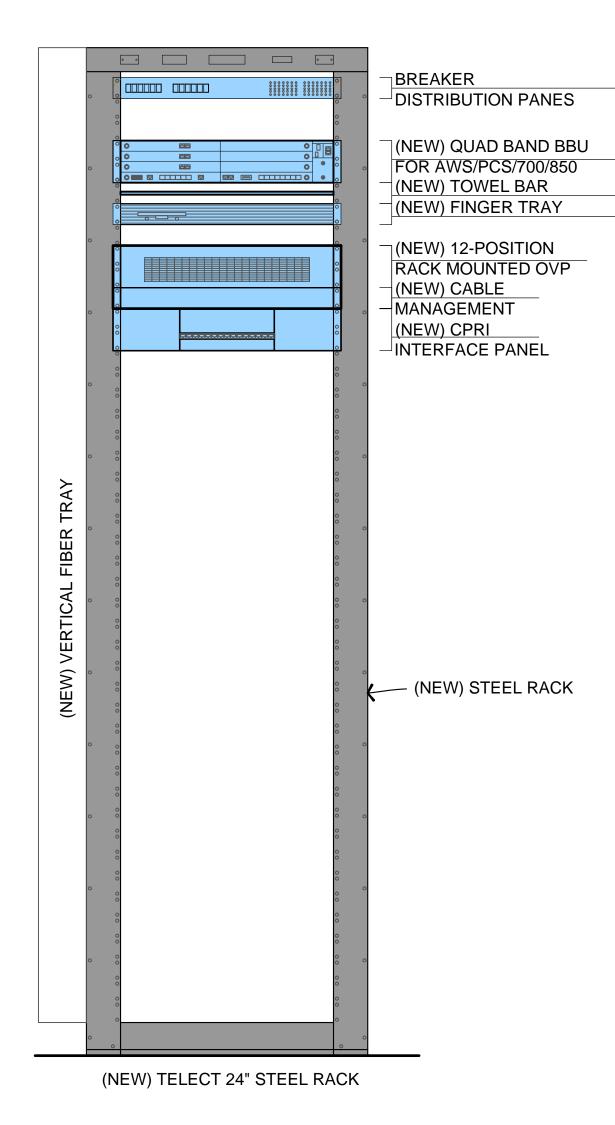












LORAIN POWER SY	6TEM6		<i>∨0</i> F
RECT.	RECT.	RECT. 3	487
24 VDC 100A	24 VDC 100A	24 VDC 100A	487
RECT.		RECT.	>
4		6	48/
24 VDC 100A		24 VDC 100A	487
VACANT	VACANT	VACANT	VACA

LORAIN POWER SYSTEMS: (6) 24 VDC RECTIFIERS @ 130A (8) 48 VDC RECTIFIERS @ 10A LOAD = 208 A

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



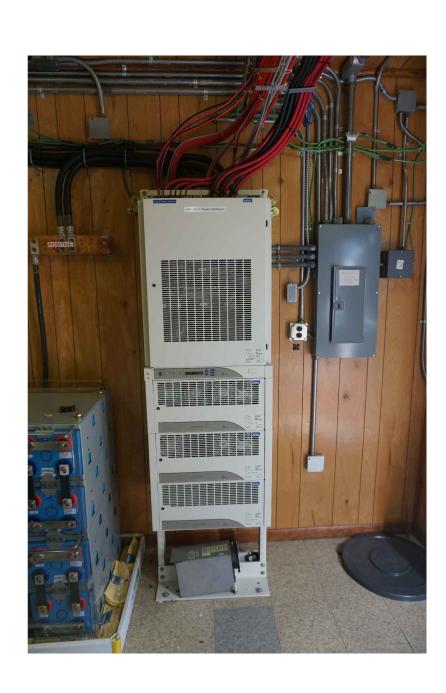


A3.1





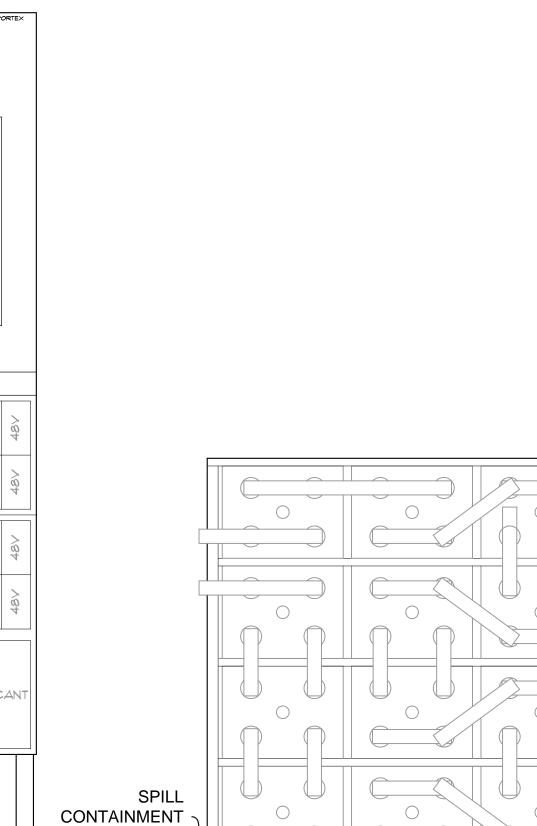








(NEW) EQUIPMENT RACK SCALE: N.T.S.



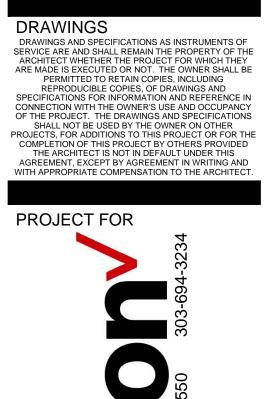


BATTERY SYSTEM, FIAMM

THREE (3) STACKS OF (4) CELLS

BATTERY INSTALL DATE: 9.21.17





* RE

ARCHITE

3570 E.12th Avenue Denver, CO 80206 303.388.2918



DATE ISSUED

NOVEMBER 22, 2019

DATE	ISSUED AS	
	ZD APPROVAL	
	PRELIMINARY CD SET	
	FINAL CD SET	
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