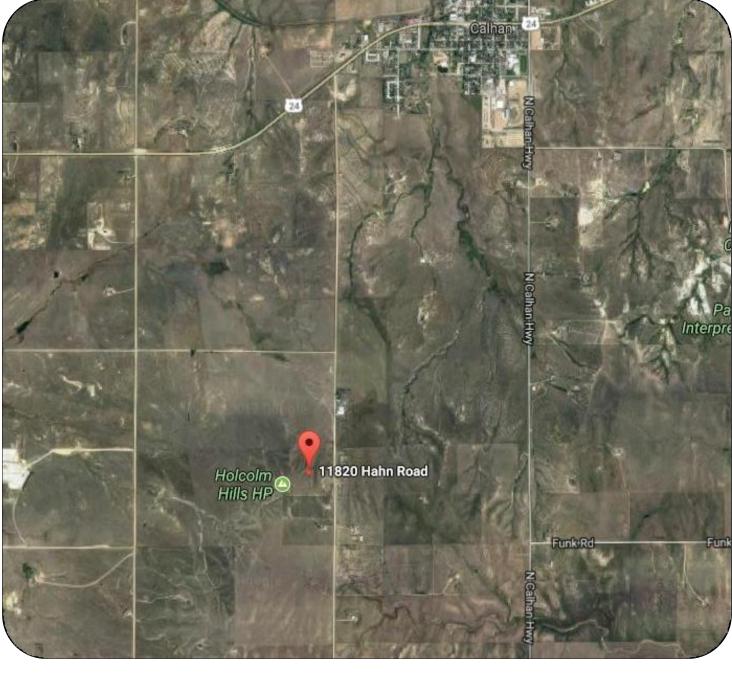
| | PROJECT DATA | |
|--|---|---|
| SITE NAME:CSP-CALHANADDRESS:11820 HAHN ROA | DAD | |
| CALHAN, CO 808 JURISDICTION: ZONING: EL F | | |
| | PIKES PEAK REGIONAL BUILDING DEPT. (PPRBD) | |
| | | S |
| WIRELESS (6) ANTEN | ROVEMENTS FOR A WIRELESS FACILITY FOR VERIZON SS, KNOWN AS "CSP-CALHAN". ALL WORK INCLUDES REPLACING NNAS & UPGRADING (6) RRHS, & RUNNING ALL REQUIRED & SIGNAL CABLES FROM THE EXISTING SHELTER TO THE NEW AS. | 3 |
| CODE/LOCATION INFORMATIO | DN: | |
| CONSTRUCTION TYPE: OCCUPANCY: EQUIPMENT SHELTER HEIGHT: EXISTING TOWER HEIGHT: EXISTING ANTENNA HEIGHT: NEW ANTENNA HEIGHT: NO. STORIES: GROSS BUILDING AREA: OCCUPANT LOAD: BUILDING CODE: | 100'-0" A.G.L. | |
| | | |
| | | |
| P | PROJECT CONTACTS | |
| ARCHITECT: T-REX ARCHITEX | OWNER: CORLIS REALITY | |
| 3570 E. 12th AVE. SUITE 201 | 5225 SILVER DR. COLORADO SPRINGS, C0 80918 | |
| DENVER, CO 80206 | CLETE CORLIS | |
| REX CROOK, PROJECT ARCHIT 303-388-2918 | | |
| | | |
| VERIZON WIRELESS | | |
| VERIZON WIRELESS CONSTRUCTION ENGINEER: 3131 SOUTH VAUGHN WAY | ZONING: RETHERFORD ENTERPRISES, INC. | |
| CONSTRUCTION ENGINEER: 3131 SOUTH VAUGHN WAY AURORA, CO 80014 | | |
| CONSTRUCTION ENGINEER: 3131 SOUTH VAUGHN WAY AURORA, CO 80014 MATT DEUTSCH | RETHERFORD ENTERPRISES, INC. 7093 SILVERHORN DR. | |
| CONSTRUCTION ENGINEER: 3131 SOUTH VAUGHN WAY AURORA, CO 80014 MATT DEUTSCH 303-817-4716 VERIZON WIRELESS | RETHERFORD ENTERPRISES, INC. 7093 SILVERHORN DR. EVERGREEN, CO 80439 PAM GOSS | |
| CONSTRUCTION ENGINEER: 3131 SOUTH VAUGHN WAY AURORA, CO 80014 MATT DEUTSCH 303-817-4716 | RETHERFORD ENTERPRISES, INC. 7093 SILVERHORN DR. EVERGREEN, CO 80439 PAM GOSS | |
| CONSTRUCTION ENGINEER: 3131 SOUTH VAUGHN WAY AURORA, CO 80014 MATT DEUTSCH 303-817-4716 VERIZON WIRELESS RF ENGINEER: 3131 SOUTH VAUGHN WAY AURORA, CO 80014 JOE DAVIS | RETHERFORD ENTERPRISES, INC. 7093 SILVERHORN DR. EVERGREEN, CO 80439 PAM GOSS | |
| CONSTRUCTION ENGINEER: 3131 SOUTH VAUGHN WAY AURORA, CO 80014 MATT DEUTSCH 303-817-4716 VERIZON WIRELESS RF ENGINEER: 3131 SOUTH VAUGHN WAY AURORA, CO 80014 | RETHERFORD ENTERPRISES, INC. 7093 SILVERHORN DR. EVERGREEN, CO 80439 PAM GOSS | |
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| | SETBACK OR EASEMENT | | FIBEROPTIC | | s |
|-------|------------------------|------------------------------|------------|--|-----|
| — W — | WATER LINE | | DC POWER | | |
| — G — | GAS LINE | Ø | POWER POLE | $\left(\begin{array}{c} X \\ X \end{array} \right)$ | i E |
| — E — | ELECTRICAL | Ø | BENCHMARK | \checkmark | Ĺ |
| — т — | TELCO | 2 | DOOR TAG | | Ē |
| — X — | FENCE | $\langle \mathbf{X} \rangle$ | WINDOW TAG | | |
| | | X | WALL TYPE | 0 2' 4' | 8' |
| | | | | | |

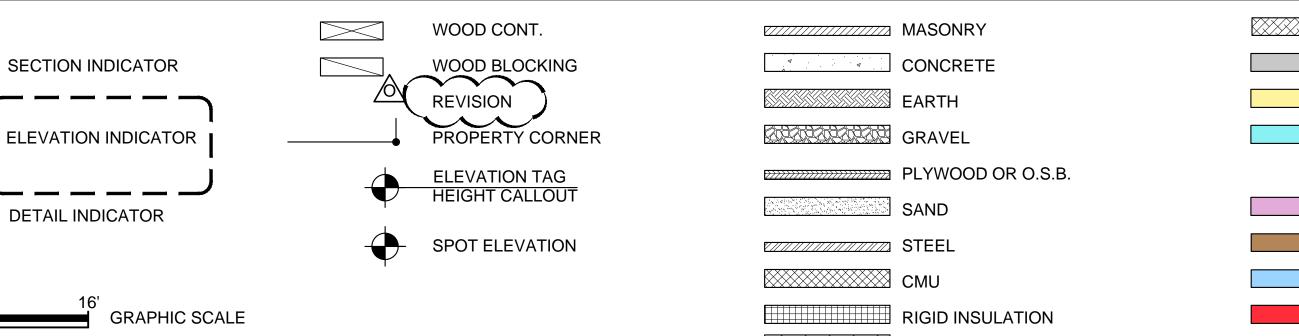
CSP-CALHAN TE MODIFICATION REQUEST SMR-RADIO SWAP





VICINITY MAP SCALE: NTS

SYMBOL & MATERIAL LEGEND



ARCHITECTURAL WOODWORK

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.

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

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.

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.

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)

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

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 ± CENTER-LINE Æ PLATE





DRAWINGS DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF 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 CONVERSION. NNECTION WITH THE OWNER'S USE AND OCCUPAN F THE PROJECT. THE DRAWINGS AND SPECIFICA SHALL NOT BE USED BY THE OWNER ON OTHER ECTS. FOR ADDITIONS TO THIS PROJECT OR FOR TH DMPLETION OF THIS PROJECT BY OTHERS PROVID THE ARCHITECT IS NOT IN DEFAULT UNDER THIS AGREEMENT, EXCEPT BY AGREEMENT IN WRITING AM

APPROPRIATE COMPENSATION TO THE ARCHITE

PROJECT FOR



DATE ISSUED

NOVEMBER 22, 2019

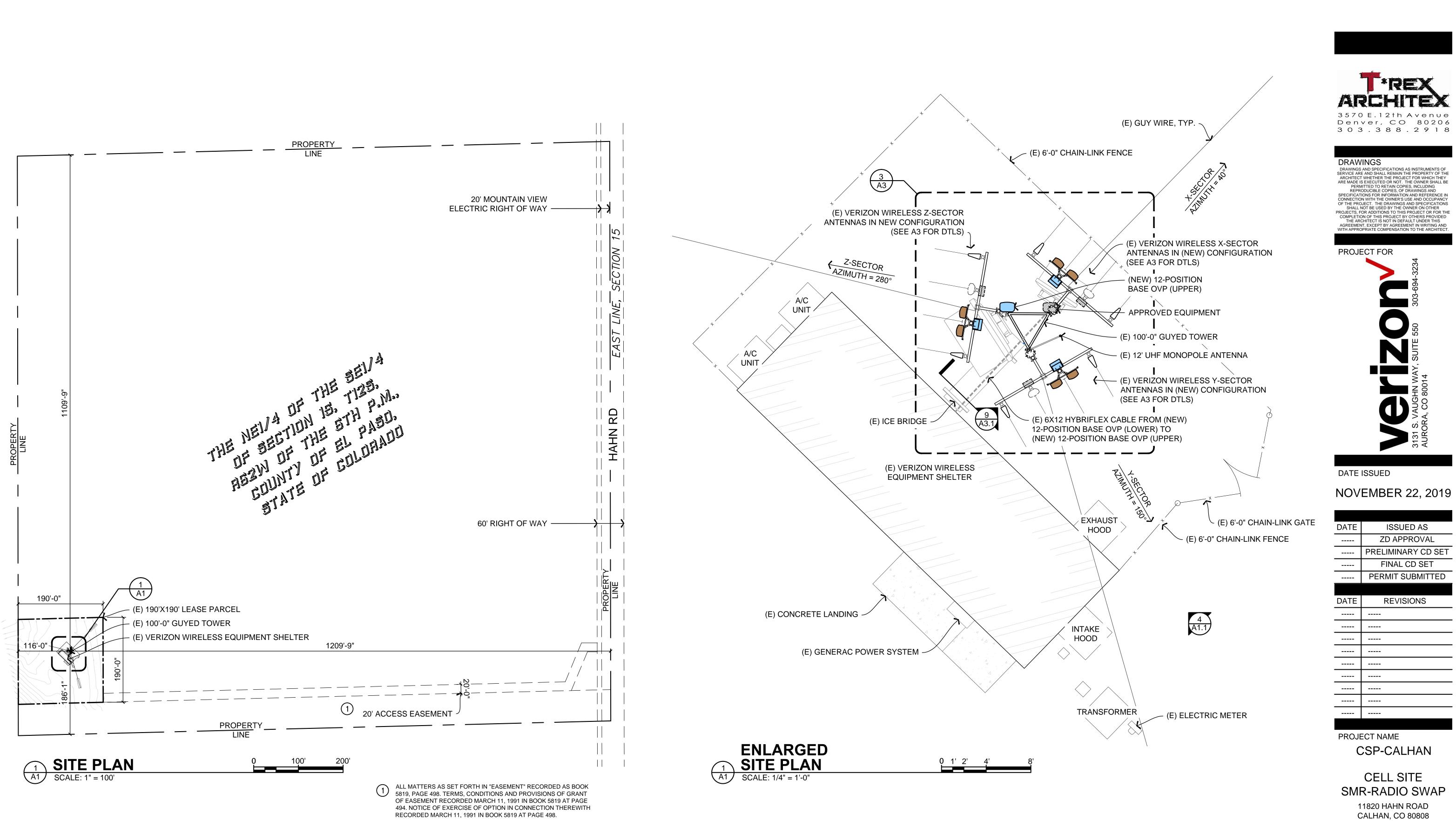
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PROJECT NAME **CSP-CALHAN**

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

COUNTY OF EL PASO STATE OF COLORADO

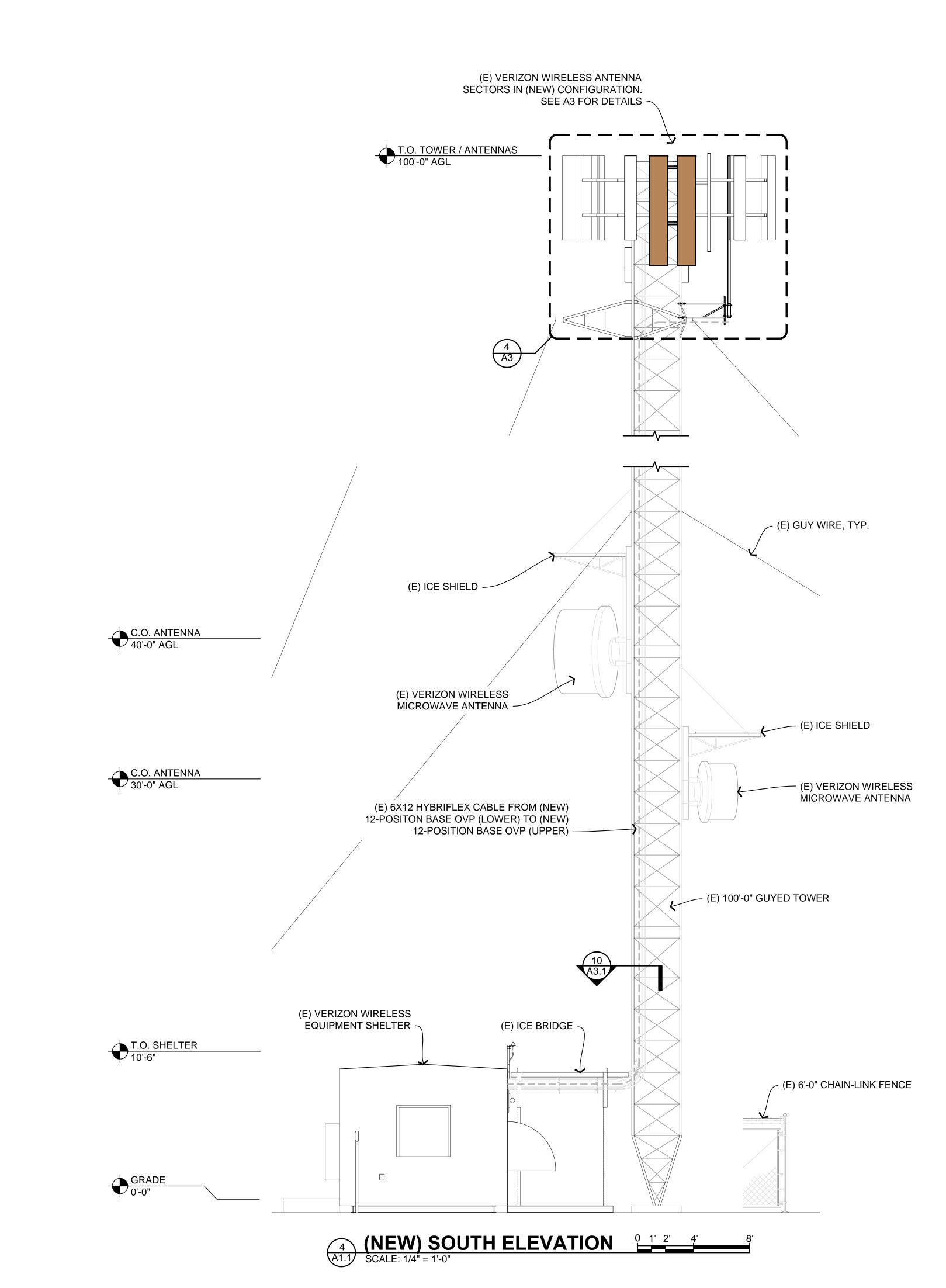




COUNTY OF EL PASO STATE OF COLORADO

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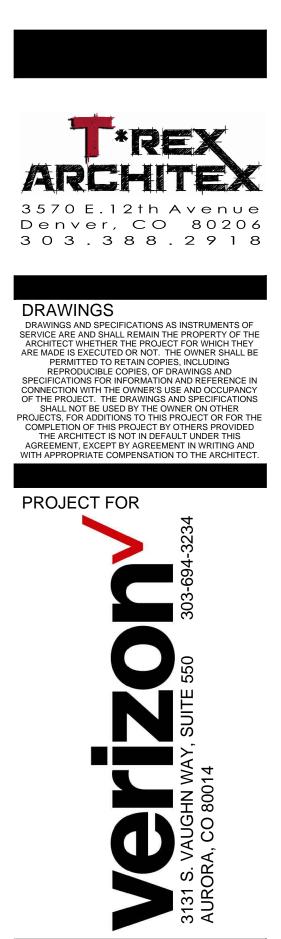






2 A1.1 SCALE: N.T.S.

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NOVEMBER 22, 2019

| DATE | ISSUED AS |
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PROJECT NAME CSP-CALHAN

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

COUNTY OF EL PASO STATE OF COLORADO

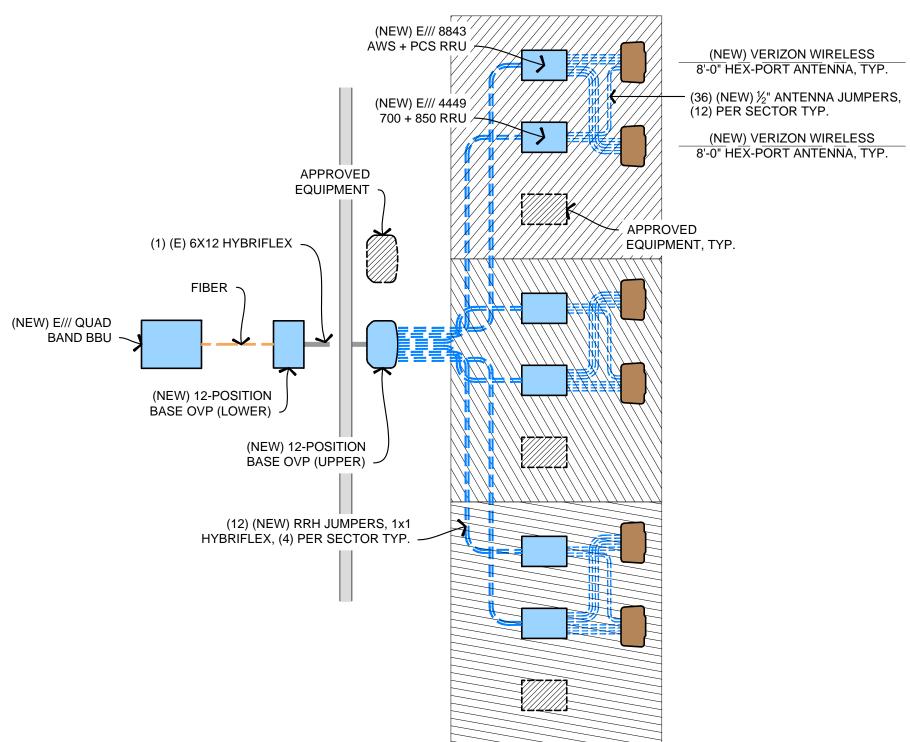


| POWER CABLE LENGTH | | | | | | |
|------------------------|---------------|--------------|-------------|---------------|------------|-------|
| FRO | OM PDF TO BAS | SE OVP | | | | |
| POWER | SECTOR | | PE | <u>LENGTH</u> | <u>QTY</u> | TOTAL |
| POV | N/A | D PA | C JR | 14'-0" | 1 | 14' |
| <u>H`</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 | | |
| S | <u>SECTOR</u> | TYPE | <u>SIZE</u> | <u>LENGTH</u> | <u>QTY</u> | TOTAL |
| PER(| X-SECTOR | 1X1 | 1⁄2" | 10'-0" | 4 | 40' |
| MUL | Y-SECTOR | 1X1 | 1⁄2" | 10'-0" | 4 | 40' |
| RRH JUMPERS | Z-SECTOR | 1X1 | 1⁄2" | 10'-0" | 4 | 40' |
| | | | | | TOTAL | 120' |
| <u>C</u> (| DAXIAL CA | BLE | LENG | <u>STHS</u> | | |
| FROM RRH'S TO ANTENNAS | | | | | | |
| | SECTOR | TYPE | <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' | | | | | | |

| · | | | | |
|-----------------|----------|--------------|--|--|
| FROM PDF TO RRH | | | | |
| S | SECTOR | TOTAL LENGTH | | |
| OWER | X-SECTOR | 144'-0" | | |
| POW | Y-SECTOR | 144'-0" | | |
| | Z-SECTOR | 144'-0" | | |

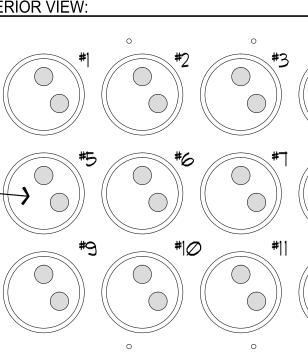
| (E) ⁷ ⁄ ₈ " CO/ CABLE, TY | |
|--|--|
| | |

| EQUIPMENT DIMENSION | | | | 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 | | | | | | | |

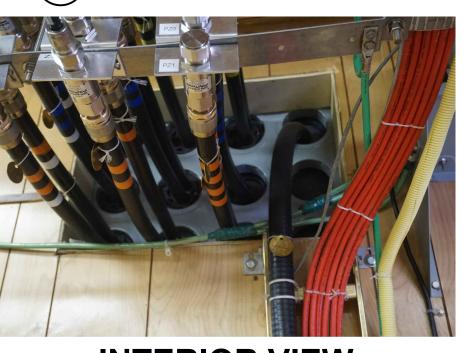


INTERIOR VIEW: GPS SPLITTER $\begin{pmatrix} 4 \end{pmatrix}$ A2SCALE: N.T.S. **INTERIOR VIEW: CABLE ENTRY** A2 SCALE: N.T.S. (E) 6X12 HYRBIRFLEX CABLE INTERIOR VIEW: #3 . \bigcirc #IØ ۳J \bigcirc \bigcirc \bigcirc \bigcirc

> $\frac{\text{EXISTING 12-PORT COAX ENTRY}}{\text{\#1-3: (2) (E) } \frac{7}{8} \text{"COAX, TO REMAIN}}$ #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

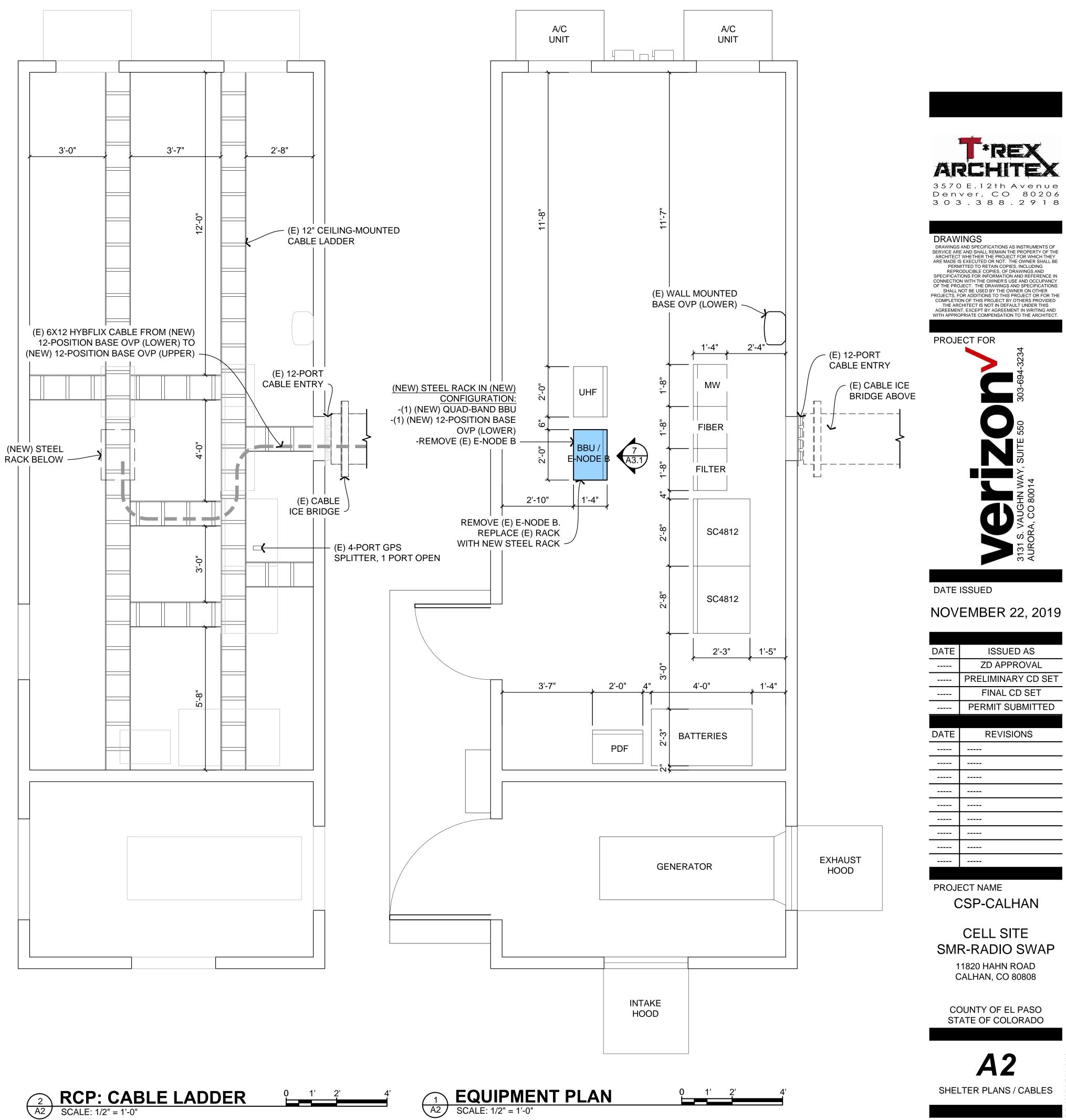




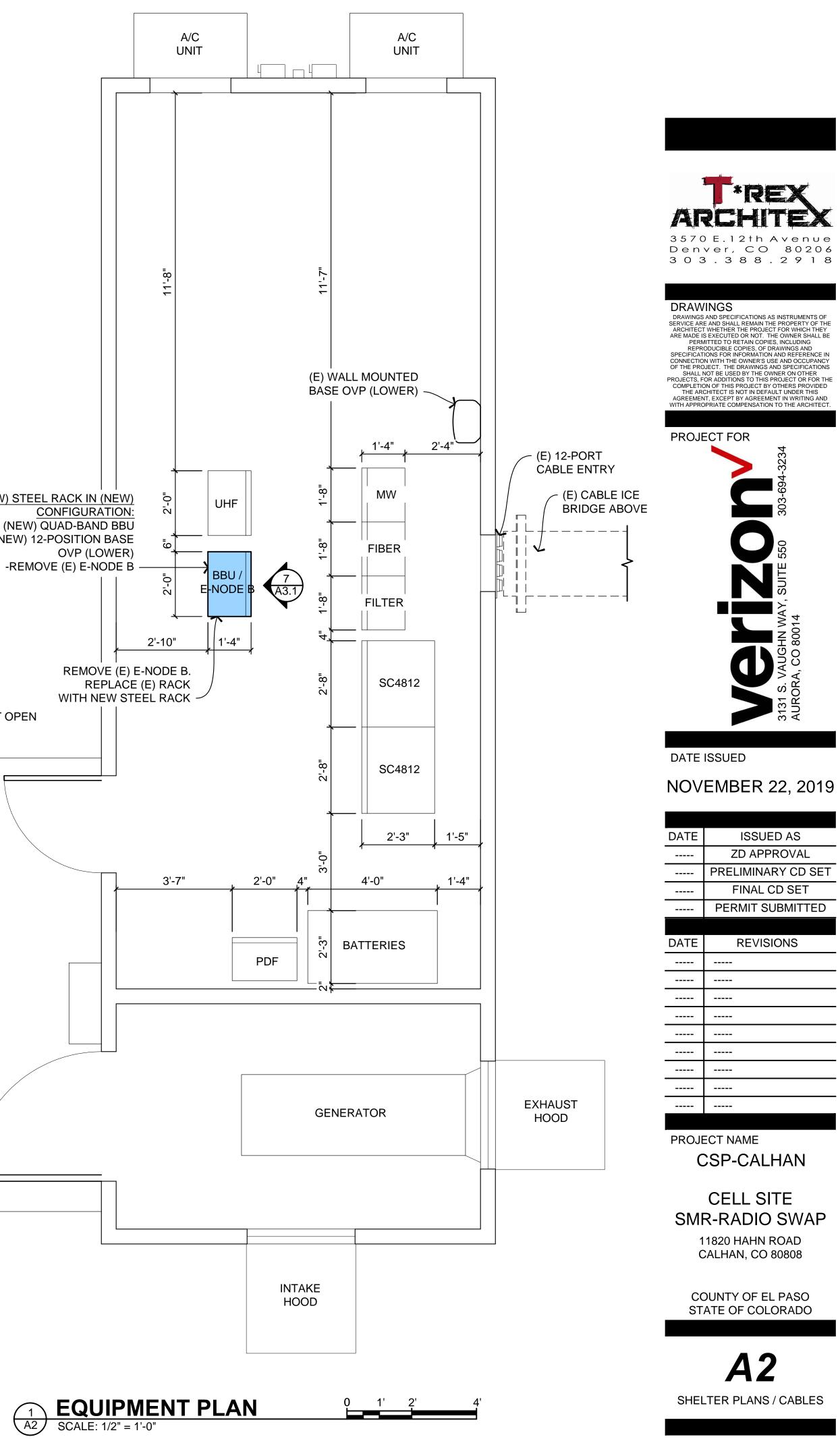




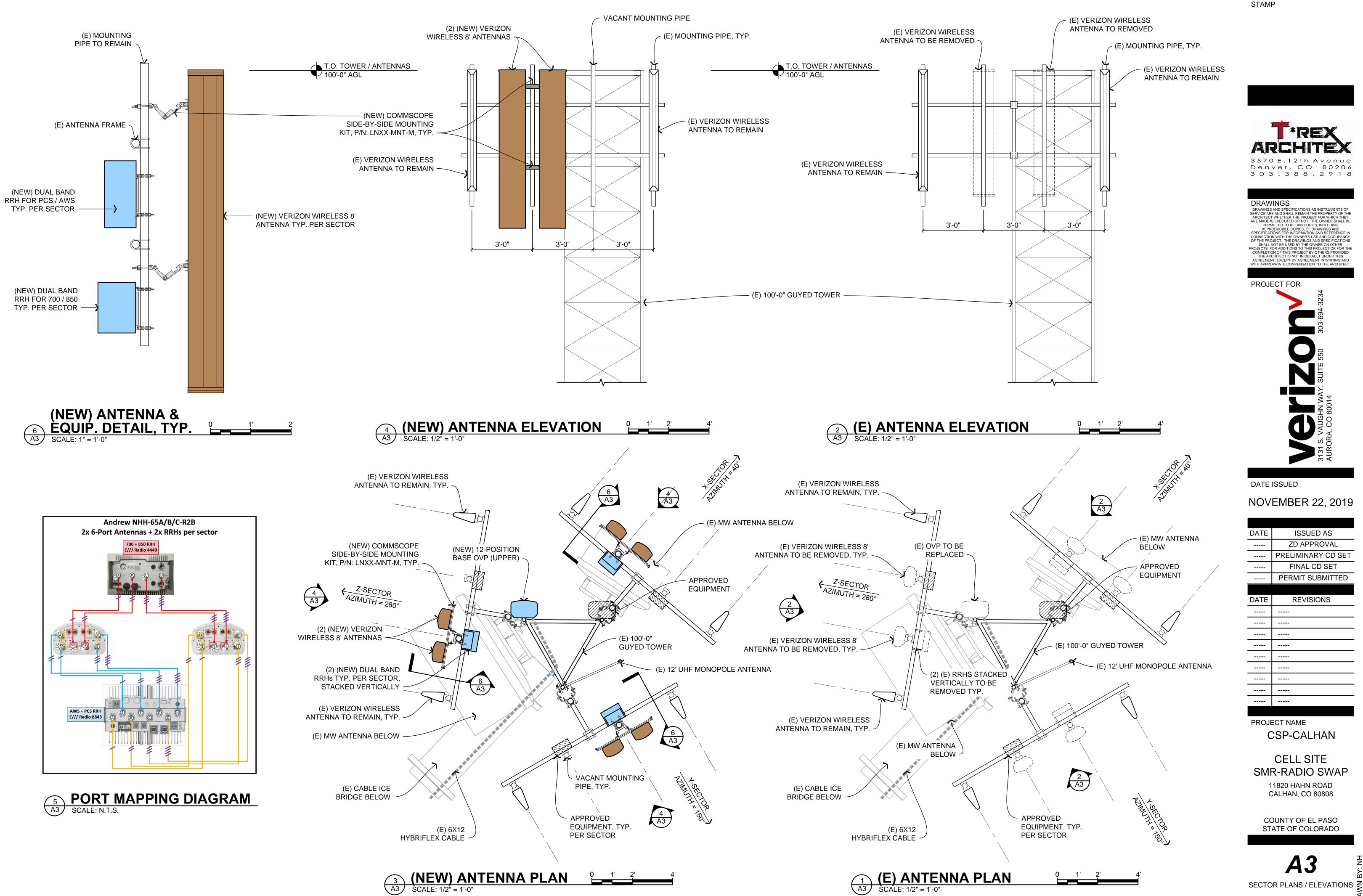




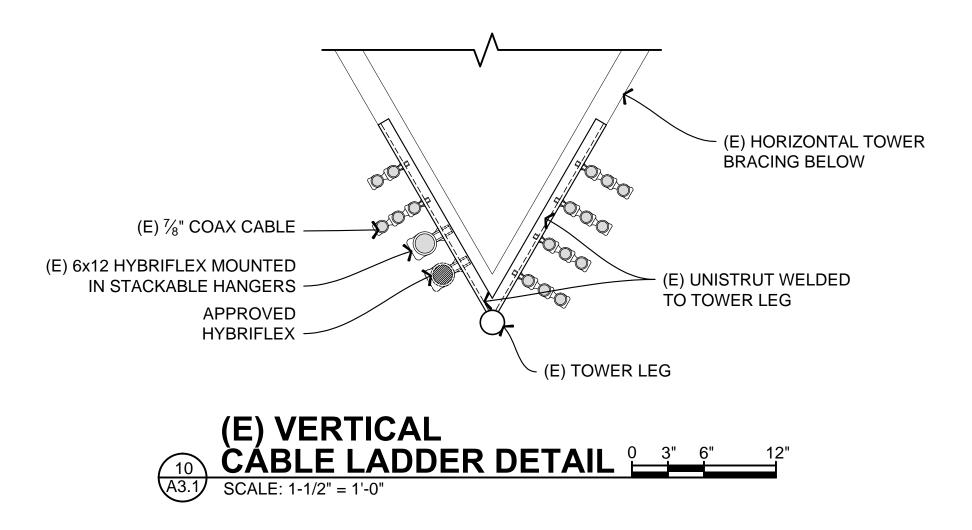


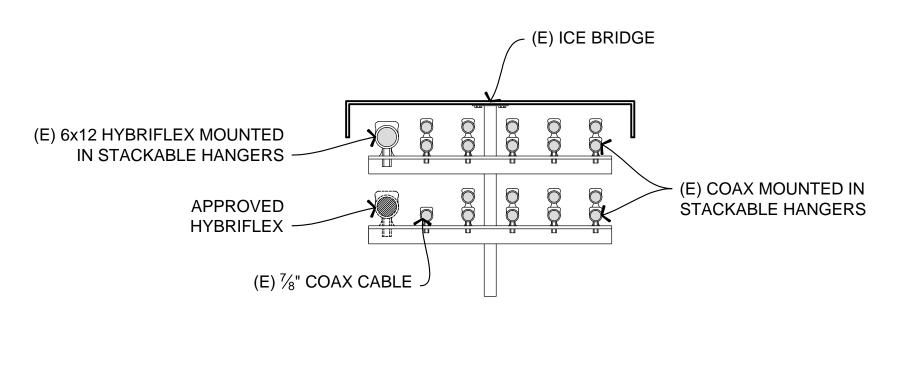


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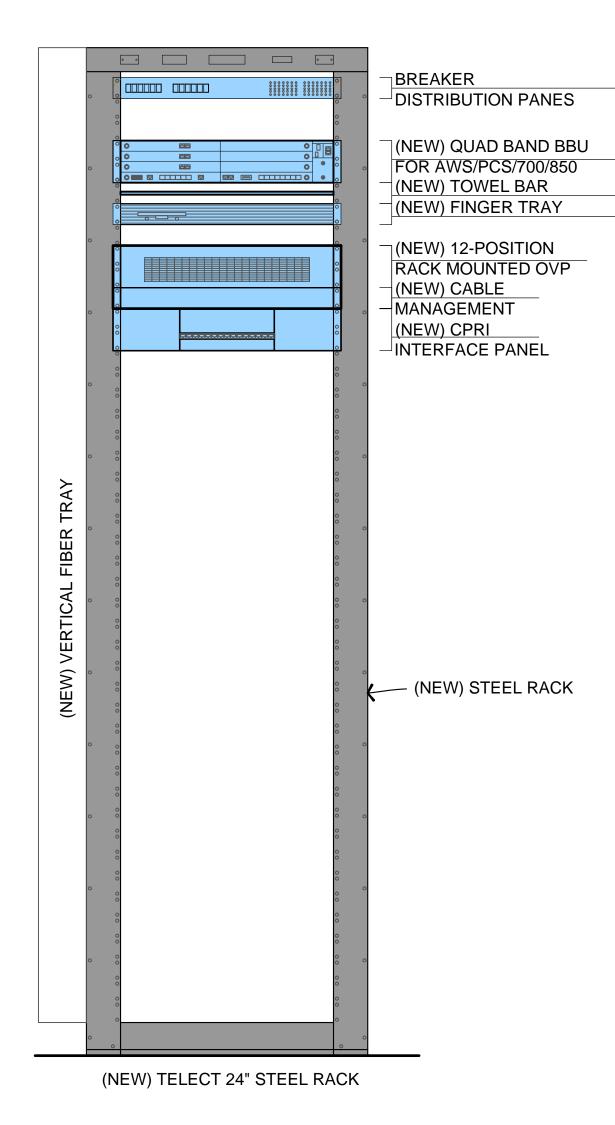












| LORAIN POWER SY | 6TEM6 | | <i>∨0</i> F |
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| RECT. | RECT. | RECT. 3 | 487 |
| | | | |
| 24 VDC 100A | 24 VDC 100A | 24 VDC 100A | 487 |
| RECT. | | RECT. | > |
| 4 | | 6 | 48/ |
| 24 VDC 100A | | 24 VDC 100A | 487 |
| | | | |
| VACANT | VACANT |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

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

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



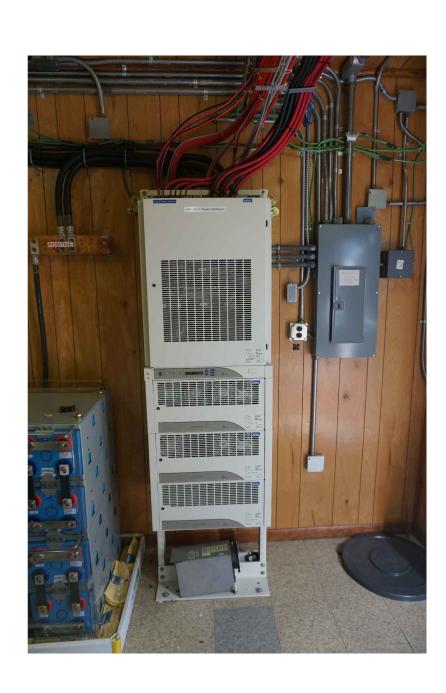


A3.1





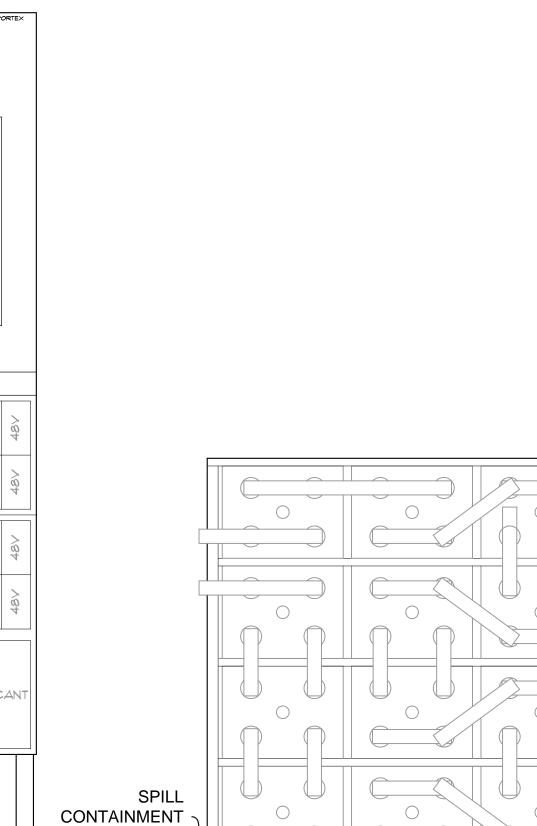








(NEW) EQUIPMENT RACK SCALE: N.T.S.



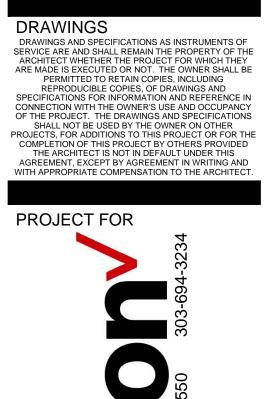


BATTERY SYSTEM, FIAMM

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 | | |
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| | ZD APPROVAL | | |
| | PRELIMINARY CD SET | | |
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PROJECT NAME CSP-CALHAN

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

COUNTY OF EL PASO STATE OF COLORADO

