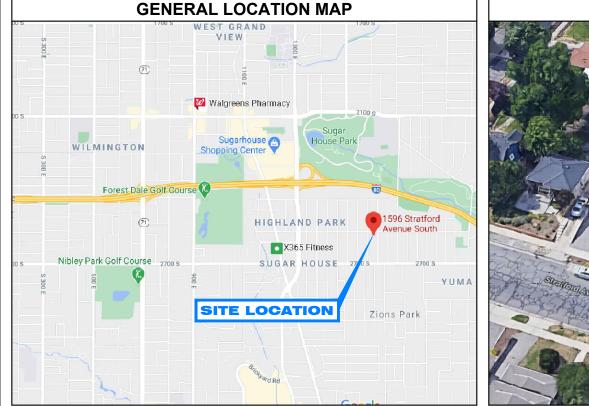
T-Mobile.

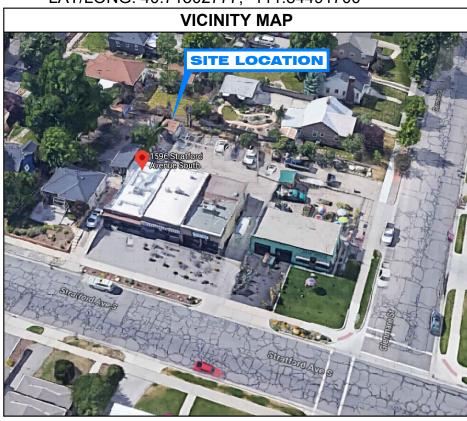
SL01322D STRATFORD & GLENMARE

1596 E. STRATFORD AVENUE SALT LAKE CITY, UT 84106

PROJECT: ANCHOR

LAT/LONG: 40.71502777, -111.84491700





T-MOBILE IS PROPOSING TO REPLACE THREE (3) APXVAARR18 43-U-NA20 (OCTO) ANTENNAS WITH THREE (3) APXVAA4L18 43-U-NA20 (DODECA) ANTENNAS, ADD THREE (3) AIR6449 B41 (ACTIVE ANTENNA -MASSIVE MIMO) ANTENNAS, REMOVE THREE (3) TMAs (CommScope Twin Style 4 - TMA-S-DB1921-DD-A (E15S09P45)), ADD SIX (6) RRUs (4424 B25 (x3), 4415 B66A (x3)), ADD TWO (2) 6x12 6AWG HCS, AND REMOVE SIX (6) COAX LINES. EXISTING MOUNT TO BE REMOVED AND REPLACED PER MA.

FINAL CONFIGURATION: SIX (6) ANTENNAS, NINE (9) RRUs, SIX (6) COAX LINES AND THREE (3) HCS.

T-MOBILE IS PROPOSING TO REMOVE ONE (1) NORTEL CABINET AND REPLACE WITH ONE (1) B160 BATTERY CABINET AND ONE (1) 6160 EQUIPMENT CABINET WITH ONE (1) BB 6648 AND ONE (1) BB 6630 AND ADD ONE (1) PSU 4813 VOLTAGE BOOSTER.

PROPRIETY INFORMATION: THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO T-MOBILE SERVICES IS STRICTLY PROHIBITED.

APPROVALS			
APPROVED BY	PRINT NAME	INITIALS	DATE
PROJECT MANAGER			
RF ENGINEER			
OPS MANAGER			
CONSTRUCTION			
LANDLORD			

CONTACT INFORMATION

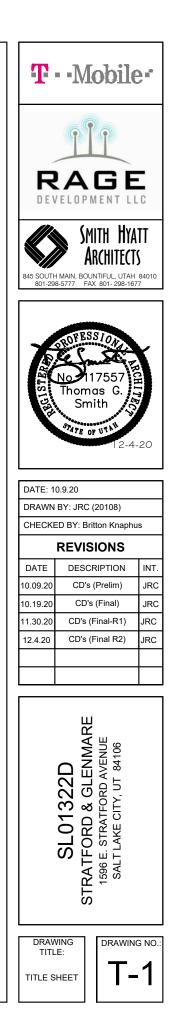
<u>STRUCTURE OWNER</u> PACIFICORP 825 N.E. MULTINOMAH ST. SUITE 1700 PORTLAND, OR 97232	<u>SITE</u> RAGE 2181 SALT
NETWORK SYSTEMS OWNER T-MOBILE 121 WEST ELECTION RD. STE. 330 DRAPER, UT 84020	<u>A/E F</u> SMITI 845 S BOUN

SCOPE OF WORK

DISCLOSURE: NO SITE WALK WAS CONDUCTED FOR THESE DRAWINGS. DATA WAS PROVIDED BY T-MOBILE AND/OR OTHERS. CONTRACTOR TO VERIFY MATERIALS AND DESIGN PRIOR TO INSTALL.

ACQUISITION FIRM E DEVELOPMENT LLC HUGO AVENUE T LAKE CITY, UT 84117

FIRM TH HYATT ARCHITECTS SOUTH MAIN STREET JNTIFUL, UT 84010



GENERAL CONSTRUCTION NOTES

- 1. DRAWINGS WERE PREPARED FROM STANDARDIZED DETAILS DEVELOPED AND PROVIDED BY T-MOBILE WEST, LLC ("T-MOBILE"). STANDARDIZED DETAILS ARE TO BE CONFIRMED AND CORRELATED AT THE SITE BY THE CONTRACTOR. STANDARDIZED DETAILS THAT REQUIRE MODIFICATIONS DUE TO ACTUAL FIELD CONDITIONS AND REQUIREMENTS MUST BE SUBMITTED TO, AND APPROVED BY, T-MOBILE PRIOR TO START OF WORK.
- DRAWINGS ARE NOT TO BE SCALED. WRITTEN DIMENSIONS TAKE PRECEDENCE. THIS 2. SET OF DOCUMENTS IS INTENDED TO BE USED FOR DIAGRAM PURPOSES ONLY. UNLESS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS.
- 3. THE GENERAL CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR, AND ANY REQUIREMENTS DEEMED NECESSARY TO COMPLETE INSTALLATION AS DESCRIBED IN THE DRAWINGS AND AS DISCUSSED ON THE SITE WALK.
- PRIOR TO THE SUBMISSION OF BIDS, CONTRACTORS INVOLVED SHALL VISIT THE JOB 4. SITE TO FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED PROJECT. CONTRACTORS SHALL VISIT THE CONSTRUCTION SITE WITH THE CONSTRUCTION DOCUMENTS TO VERIFY FIELD CONDITIONS AND CONFIRM THAT THE PROJECT WILL BE ACCOMPLISHED AS SHOWN. PRIOR TO PROCEEDING WITH CONSTRUCTION, ANY ERRORS, OMISSIONS, OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF T-MOBILE VERBALLY AND IN WRITING.
- 5. THE GENERAL CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED IN THE 6. CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO 7. MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- ALL WORK PERFORMED ON THE PROJECT AND MATERIALS INSTALLED SHALL BE IN 8. STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.
- GENERAL CONTRACTOR SHALL PROVIDE, AT THE PROJECT SITE, A FULL SET OF 9. CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS AND ADDENDA OR CLARIFICATIONS FOR USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
- THE STRUCTURAL COMPONENTS OF ADJACENT CONSTRUCTION OR FACILITIES ARE 10. NOT TO BE ALTERED BY THIS CONSTRUCTION PROJECT UNLESS NOTED OTHERWISE.
- CONTRACTOR TO SEAL ALL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. 11. LISTED OR FIRE MARSHALL APPROVED MATERIALS IF APPLICABLE TO THIS FACILITY AND OR PROJECT SITE.

- 12. CONTRACTOR TO PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF PROJECT AREA DURING CONSTRUCTION.
- CONTRACTOR SHALL MEET ALL OSHA REQUIREMENTS FOR ALL INSTALLATIONS. 13.
- 14. CONTRACTOR TO VERIFY LOCATION OF ALL BURIED UTILITIES PRIOR TO EXCAVATION.
- CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING 15. IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION, UPON COMPLETION OF WORK, CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
- 16. CONTRACTOR SHALL KEEP GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH. CONTRACTOR SHALL REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OR PREMISES. SITE SHALL BE LEFT IN CLEAN CONDITION DAILY AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
- THE ARCHITECTS/ENGINEERS HAVE MADE EVERY EFFORT TO SET FORTH IN THE 17. CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. CONTRACTORS BIDDING THE JOB ARE NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. THE BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) T-MOBILE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO SUBMISSION OF CONTRACTOR'S PROPOSAL. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED OTHERWISE.
- THE CONTRACTOR SHALL PERFORM WORK DURING OWNER'S PREFERRED HOURS TO 18. AVOID DISTURBING NORMAL BUSINESS.
- THE CONTRACTOR SHALL PROVIDE T-MOBILE CORPORATION PROPER INSURANCE 19. CERTIFICATES NAMING T-MOBILE WEST, LLC AS ADDITIONAL INSURED, AND T-MOBILE WEST, LLC PROOF OF LICENSE(S) AND PL & PD INSURANCE.

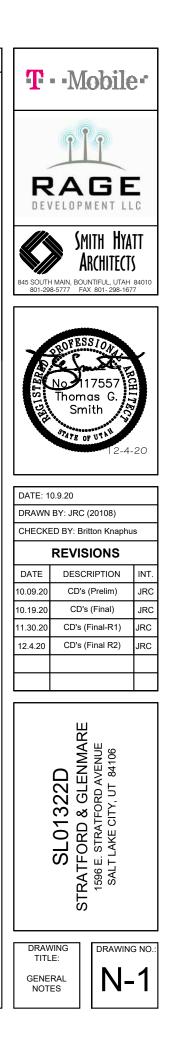
CODE COMPLIANCE

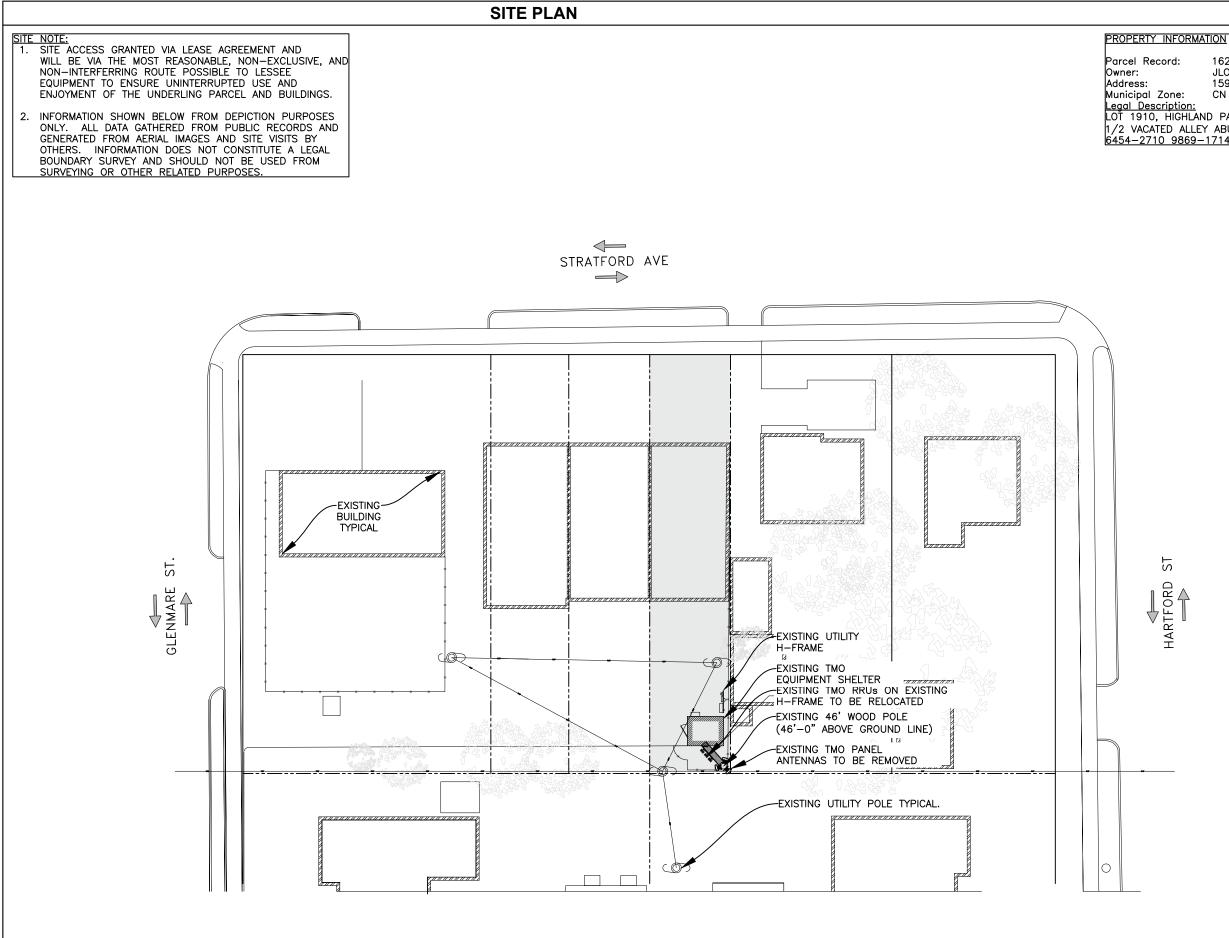
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT CONDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- Α. UTAH UNIFORM BUILDING STANDARD ACT RULES
- В. 2018 INTERNATIONAL BUILDING CODE (IBC)
- C. 2017 NATIONAL ELECTRIC CODE (NEC)
- D. 2018 INTERNATIONAL BUILDING CODE (IBC) Ε.
 - 2018 INTERNATIONAL FIRE CODE (IFC)
- 2018 INTERNATIONAL MECHANICAL CODE (IMC) F.
- LOCAL BUILDING CODE G.
- **CITY OR COUNTY ORDINANCES** Η.

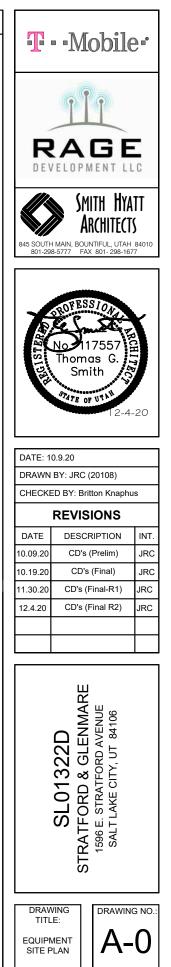
THE EXISTING CONDITIONS REPRESENTED HEREIN ARE BASED ON VISUAL OBSERVATIONS AND INFORMATION PROVIDED BY OTHERS. A/E FIRM CANNOT **GUARANTEE THE CORRECTNESS** NOR THE COMPLETENESS OF THE EXISTING CONDITIONS SHOWN AND ASSUMES NO RESPONSIBILITY THEREOF. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AS REQUIRED FOR PROPER COMPLETION OF THE PROJECT.

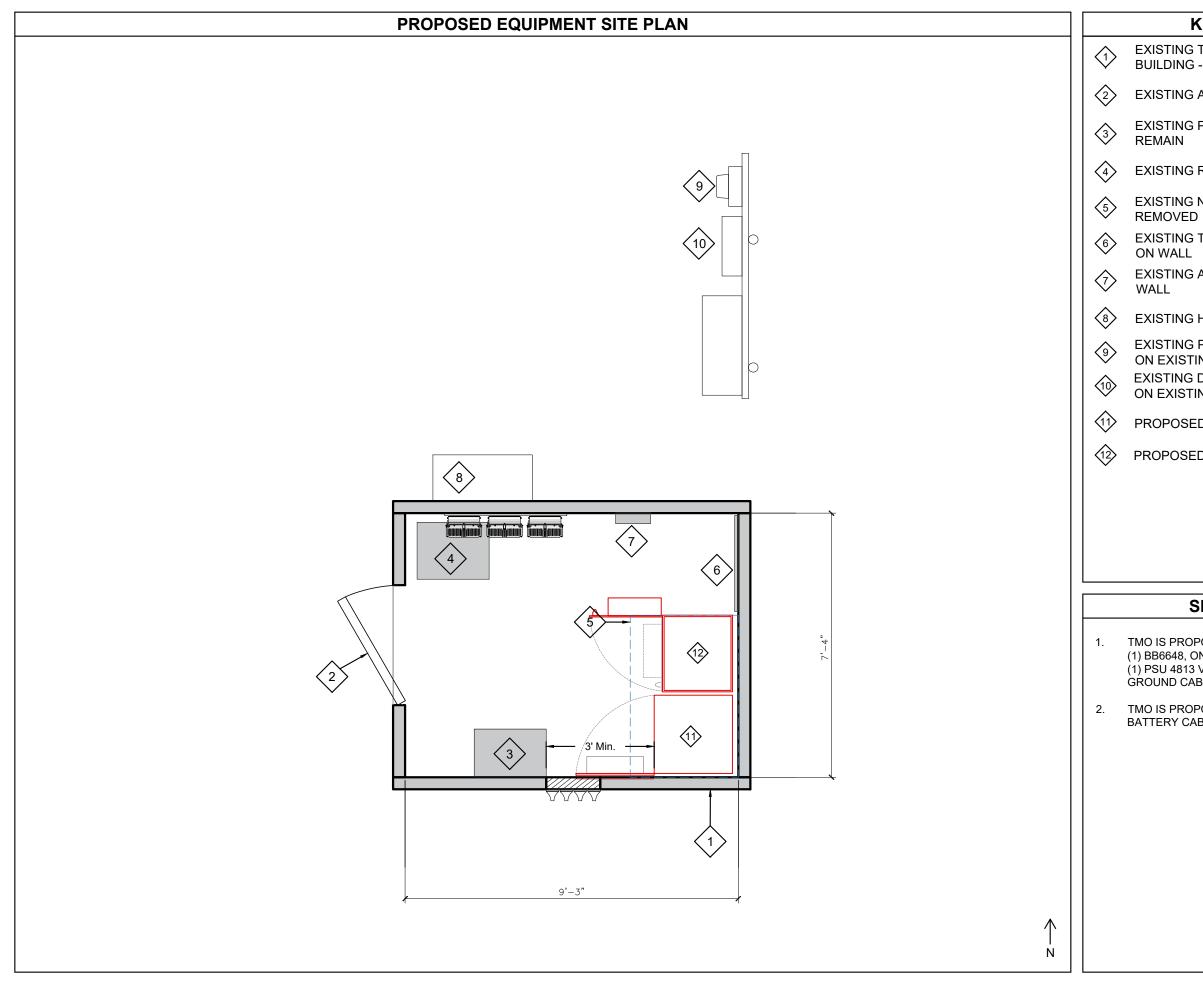
IMPORTANT NOTICE





ecord:	16213780040000 JLO PROPERTIES, LLC.
	1596 E Stratford Avenue
Zone:	CN
<u>scription:</u>	
), HIGHLA	ND PARK PLAT A, TOGETHER WITH
TED ALLE	Y ABUTTING ON S 4545-1102
10 9869-	-1714





KEY NOTES

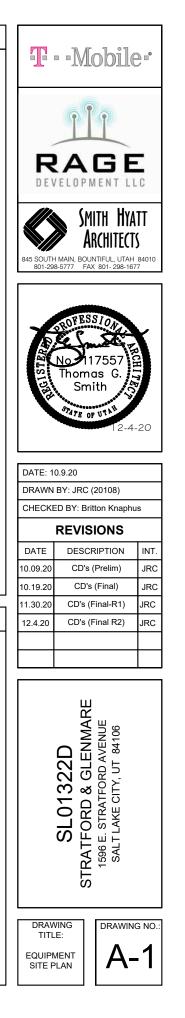
EXISTING T-MOBILE EQUIPMENT BUILDING - 8'x10'

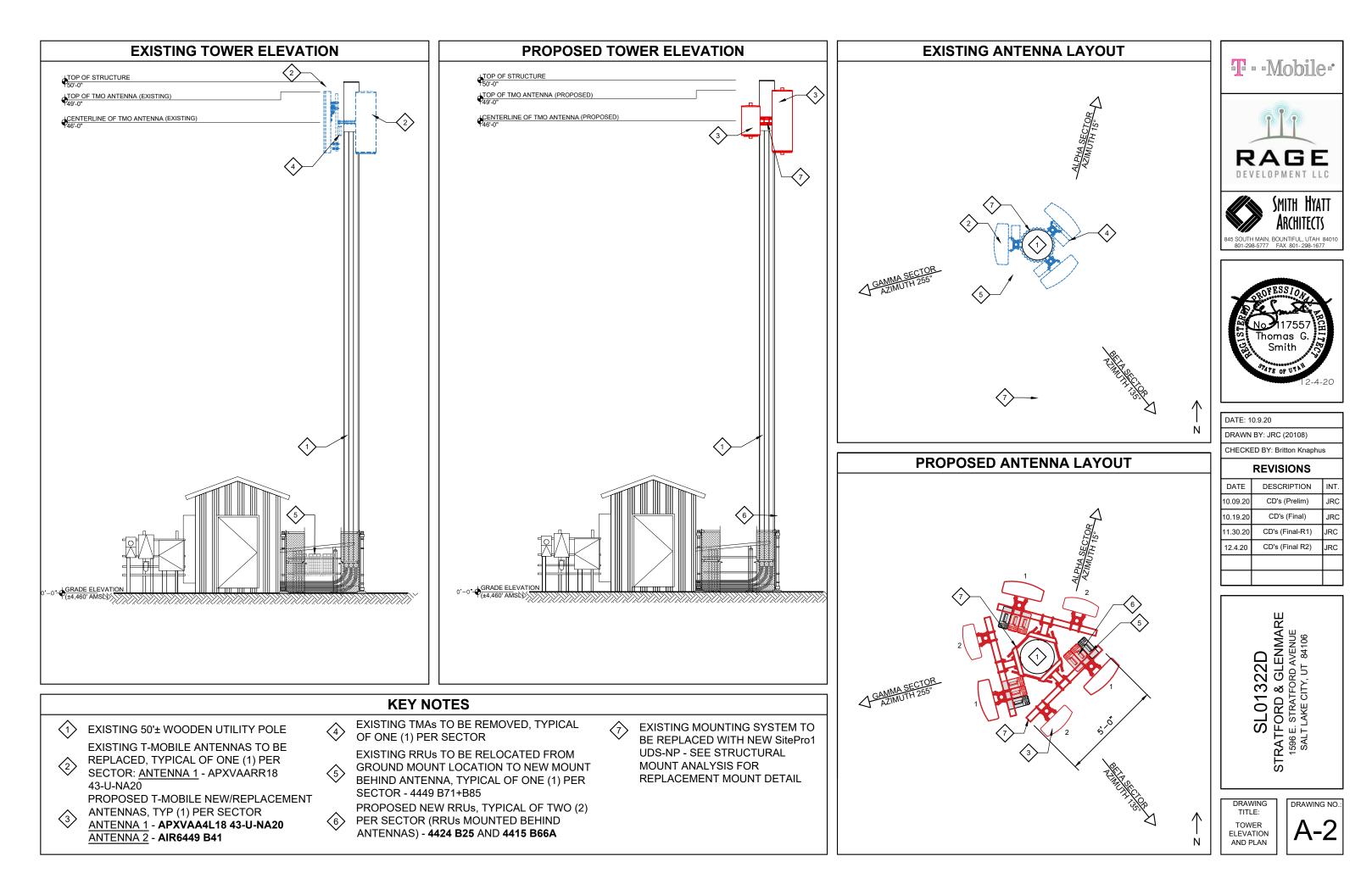
- EXISTING ACCESS DOOR
- EXISTING PBC 6200 CABINET TO
- EXISTING RBS 6201 TO REMAIN
- EXISTING NORTEL CABINET TO BE
- EXISTING TELCO BOARD MOUNTED
- EXISTING A/C PANEL MOUNTED ON
- EXISTING HVAC UNIT
- EXISTING POWER METER MOUNTED ON EXISTING UTILITY FRAME EXISTING DISCONNECT MOUNTED ON EXISTING UTILITY FRAME
- PROPOSED 6160 CABINET
- PROPOSED B160 BATTERY CABINET

SITE NOTES

1. TMO IS PROPOSING TO ADD 6160 WITH ONE (1) BB6648, ONE (1) BB6630 UNITS, AND ONE (1) PSU 4813 VOLTAGE BOOSTER TO GROUND CABINET LAYOUT.

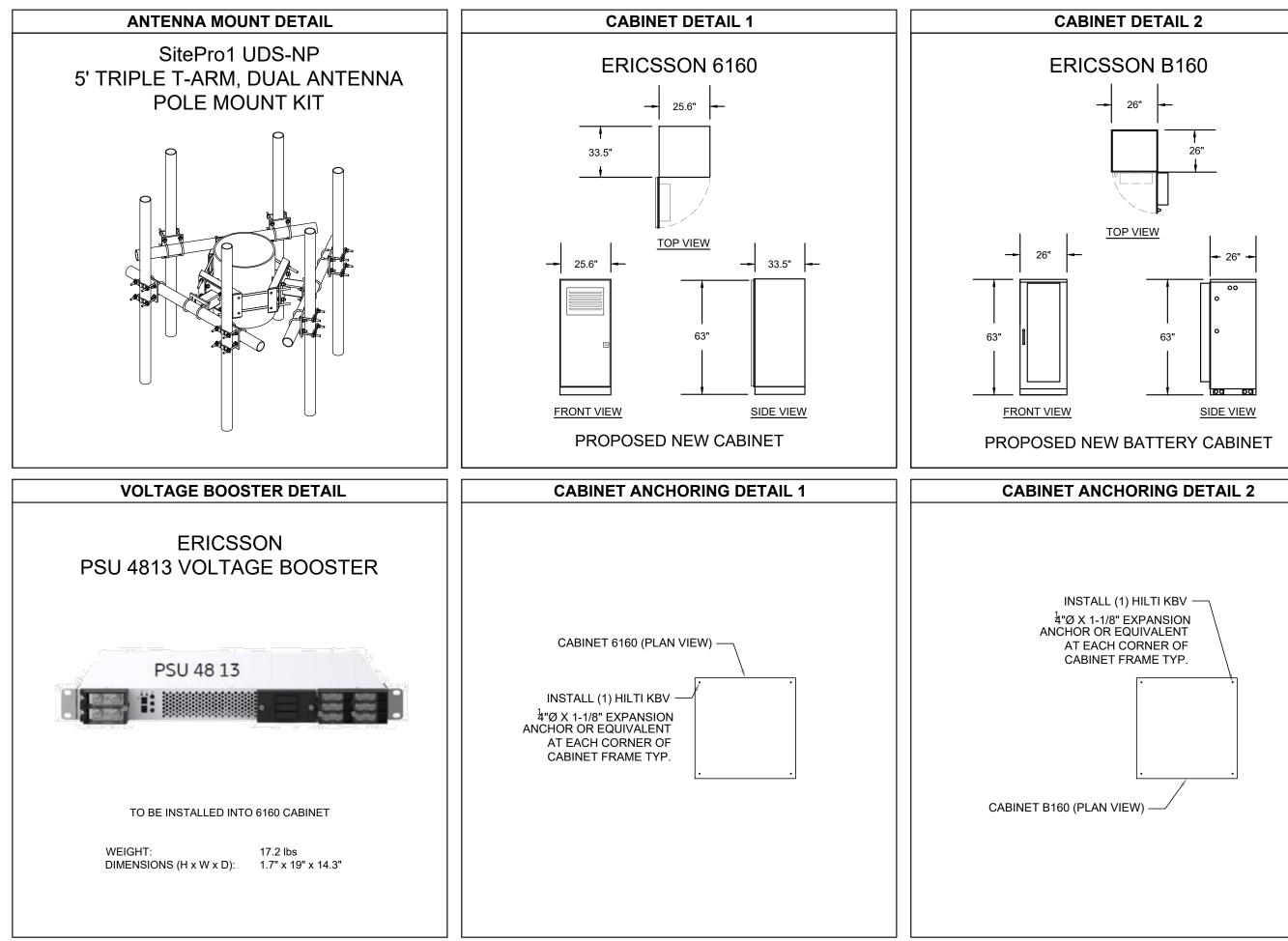
TMO IS PROPOSING TO ADD ONE (1) B160 BATTERY CABINET.

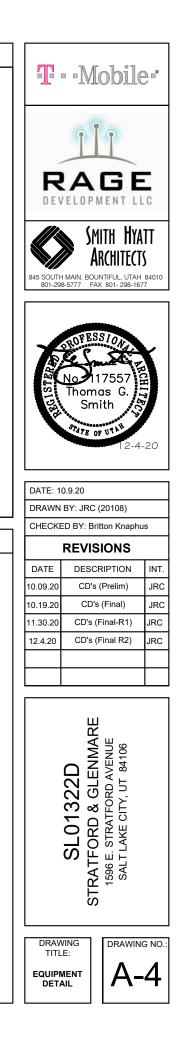


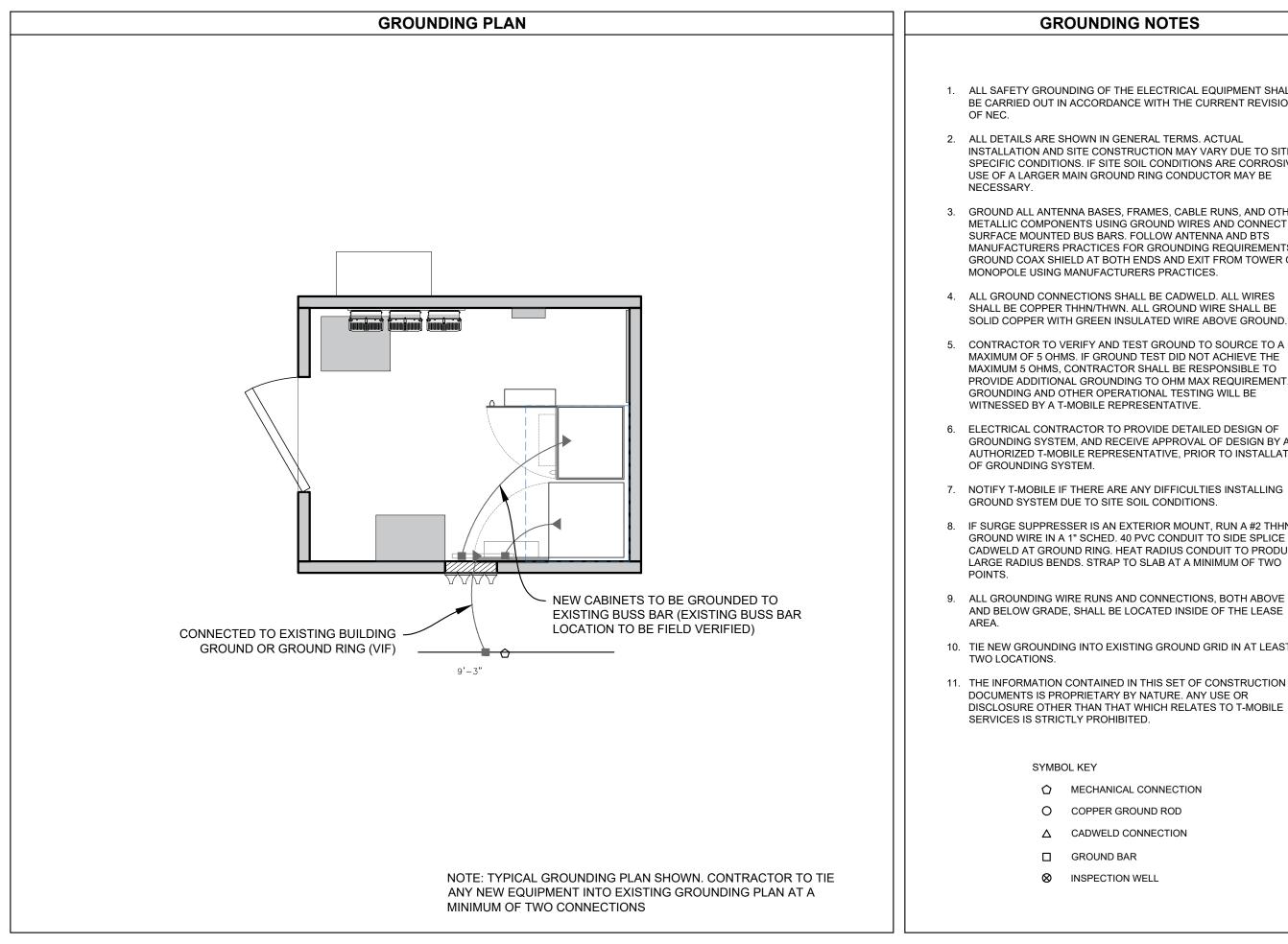


	EXISTING ANTENNA SCHEDULE			
	ALPHA SECTOR	BETA SECTOR	G	
AZIMUTH ANTENNA MODEL ANTENNA POSITION ANTENNA RAD CENTER ANTENNA FACE Sq. Ft.	15° APXVAARR18 43-U-NA20 (OCTO) 1 46'-0" 12 Sq. Ft.	135° APXVAARR18 43-U-NA20 (OCTO) 1 46'-0" 12 Sq. Ft.	APXVAAF	
HYBRID CABLE SYSTEM		ERICSSON 6x12 HCS 6AWG 30m		
COAX CABLE		7/8" COAX - 60' (x12)		
TMAs		CommScope Twin Style 4 - TMA-S-DB1921-DD-A (E15S09P45) (x3)		
RRUs	4449 B71+B85 (x3)			
FIBER JUMPER CABLE		FIBER JUMPER - 9' (x6)		
JUMPER SUREFLEX		JUMPER 10' SUREFLEX 4.3-10 TO 4.3-10 (x12)		

	EXISTING ANTE			
	ALPHA SECTOR	BETA SECTOR	GAMMA SECTOR	T - Mobi
IMUTH	15°	135°	255°	
TENNA MODEL	APXVAARR18 43-U-NA20 (OCTO)	APXVAARR18 43-U-NA20 (OCTO)	APXVAARR18 43-U-NA20 (OCTO)	
TENNA POSITION	1	1	1	
TENNA RAD CENTER	46'-0"	46'-0"	46'-0"	RAG
TENNA FACE Sq. Ft.	12 Sq. Ft.	12 Sq. Ft.	12 Sq. Ft.	DEVELOPMENT
BRID CABLE SYSTEM		ERICSSON 6x12 HCS 6AWG 30m		Smith H
DAX CABLE		7/8" COAX - 60' (x12)		845 SOUTH MAIN, BOUNTIFUL, UT 801-298-5777 FAX 801-298-
IAs		CommScope Twin Style 4 - TMA-S-DB1921-DD-A (E15S09P45) (x3)		OF ESSION
RUs		4449 B71+B85 (x3)		No 117557
BER JUMPER CABLE		FIBER JUMPER - 9' (x6)		Smith Stars or UIN
MPER SUREFLEX		JUMPER 10' SUREFLEX 4.3-10 TO 4.3-10 (x12)		DATE: 10.9.20
				DRAWN BY: JRC (20108)
	NEW/PROPOSED A	NTENNA SCHEDULE		CHECKED BY: Britton Knap
	ALPHA SECTOR	BETA SECTOR	GAMMA SECTOR	REVISIONS DATE DESCRIPTION
IMUTH	15°	135°	255°	10.09.20 CD's (Prelim)
TENNA MODEL	APXVAA4L18 43-U-NA20 (DODECA)	APXVAA4L18 43-U-NA20 (DODECA)	APXVAA4L18 43-U-NA20 (DODECA)	10.19.20 CD's (Final)
TENNA POSITION	1	1	1	11.30.20 CD's (Final-R1)
TENNA RAD CENTER	46'-0"	46'-0"	46'-0"	
CH. TILT - ELEC. TILT	0 - 7/7/5/5/5/5	0 - 7/7/5/5/5/5	0 - 7/7/5/5/5/5	12.4.20 CD's (Final R2)
TENNA FACE Sq. Ft.	12 Sq. Ft.	12 Sq. Ft.	12 Sq. Ft.	
MUTH	15°	135°	255°	
TENNA MODEL	AIR6449 B41 (ACTIVE ANTENNA - MASSIVE MIMO)	AIR6449 B41 (ACTIVE ANTENNA - MASSIVE MIMO)	AIR6449 B41 (ACTIVE ANTENNA - MASSIVE MIMO)	
TENNA POSITION	2	2	2	
TENNA RAD CENTER	46'-0"	46'-0"	46'-0"	W
CH. TILT - ELEC. TILT	0 - 5/5	0 - 5/5	0 - 5/5	
ENNA FACE Sq. Ft.	4.6 Sq. Ft.	4.6 Sq. Ft.	4.6 Sq. Ft.	A106
BRID CABLE SYSTEM	ERIC	ERICSSON 6x12 HCS 6AWG 30m (x3), PSU 4813 VOLTAGE BOOSTER		322D & GLENMARE
AX CABLE		7/8" COAX - 60' (x6)		SL01: FORD &
Js		4449 B71+B85 (x3), 4424 B25 (x3), 4415 B66A (x3)		STRATFORD 8 SALTLAKE CIT
		FIBER JUMPER - 10' (x12)		
ER JUMPER CABLE				







GROUNDING NOTES

1. ALL SAFETY GROUNDING OF THE ELECTRICAL EQUIPMENT SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT REVISION

INSTALLATION AND SITE CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS. IF SITE SOIL CONDITIONS ARE CORROSIVE, USE OF A LARGER MAIN GROUND RING CONDUCTOR MAY BE

3. GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING GROUND WIRES AND CONNECT TO SURFACE MOUNTED BUS BARS. FOLLOW ANTENNA AND BTS MANUFACTURERS PRACTICES FOR GROUNDING REQUIREMENTS. GROUND COAX SHIELD AT BOTH ENDS AND EXIT FROM TOWER OR

SHALL BE COPPER THHN/THWN. ALL GROUND WIRE SHALL BE SOLID COPPER WITH GREEN INSULATED WIRE ABOVE GROUND.

MAXIMUM OF 5 OHMS. IF GROUND TEST DID NOT ACHIEVE THE MAXIMUM 5 OHMS, CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADDITIONAL GROUNDING TO OHM MAX REQUIREMENT.

GROUNDING SYSTEM, AND RECEIVE APPROVAL OF DESIGN BY AN AUTHORIZED T-MOBILE REPRESENTATIVE, PRIOR TO INSTALLATION

8. IF SURGE SUPPRESSER IS AN EXTERIOR MOUNT, RUN A #2 THHN GROUND WIRE IN A 1" SCHED. 40 PVC CONDUIT TO SIDE SPLICE CADWELD AT GROUND RING. HEAT RADIUS CONDUIT TO PRODUCE LARGE RADIUS BENDS. STRAP TO SLAB AT A MINIMUM OF TWO

AND BELOW GRADE, SHALL BE LOCATED INSIDE OF THE LEASE

10. TIE NEW GROUNDING INTO EXISTING GROUND GRID IN AT LEAST

DISCLOSURE OTHER THAN THAT WHICH RELATES TO T-MOBILE

MECHANICAL CONNECTION

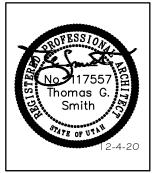
COPPER GROUND ROD

CADWELD CONNECTION

T · · Mobile ·







DATE: 10.9.20

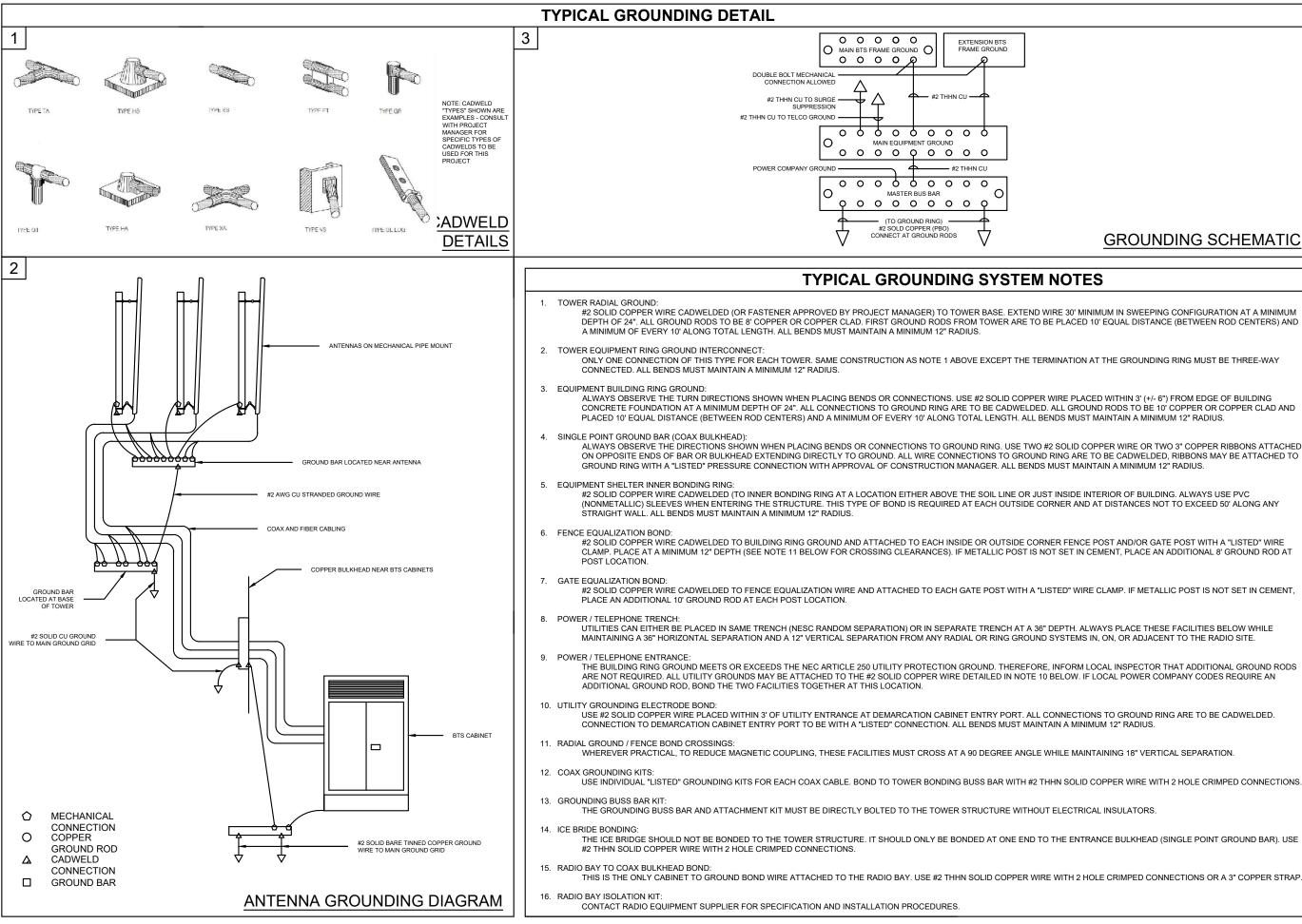
DRAWN BY: JRC (20108)

CHECKED BY: Britton Knaphus

REVISIONS

DATE	DESCRIPTION	INT.	
10.09.20	CD's (Prelim)	JRC	
10.19.20	CD's (Final)	JRC	
11.30.20	CD's (Final-R1)	JRC	
12.4.20	CD's (Final R2)	JRC	





GROUNDING SCHEMATIC

