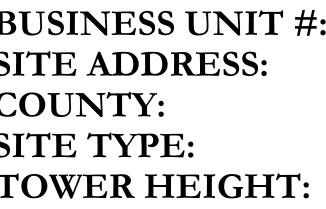
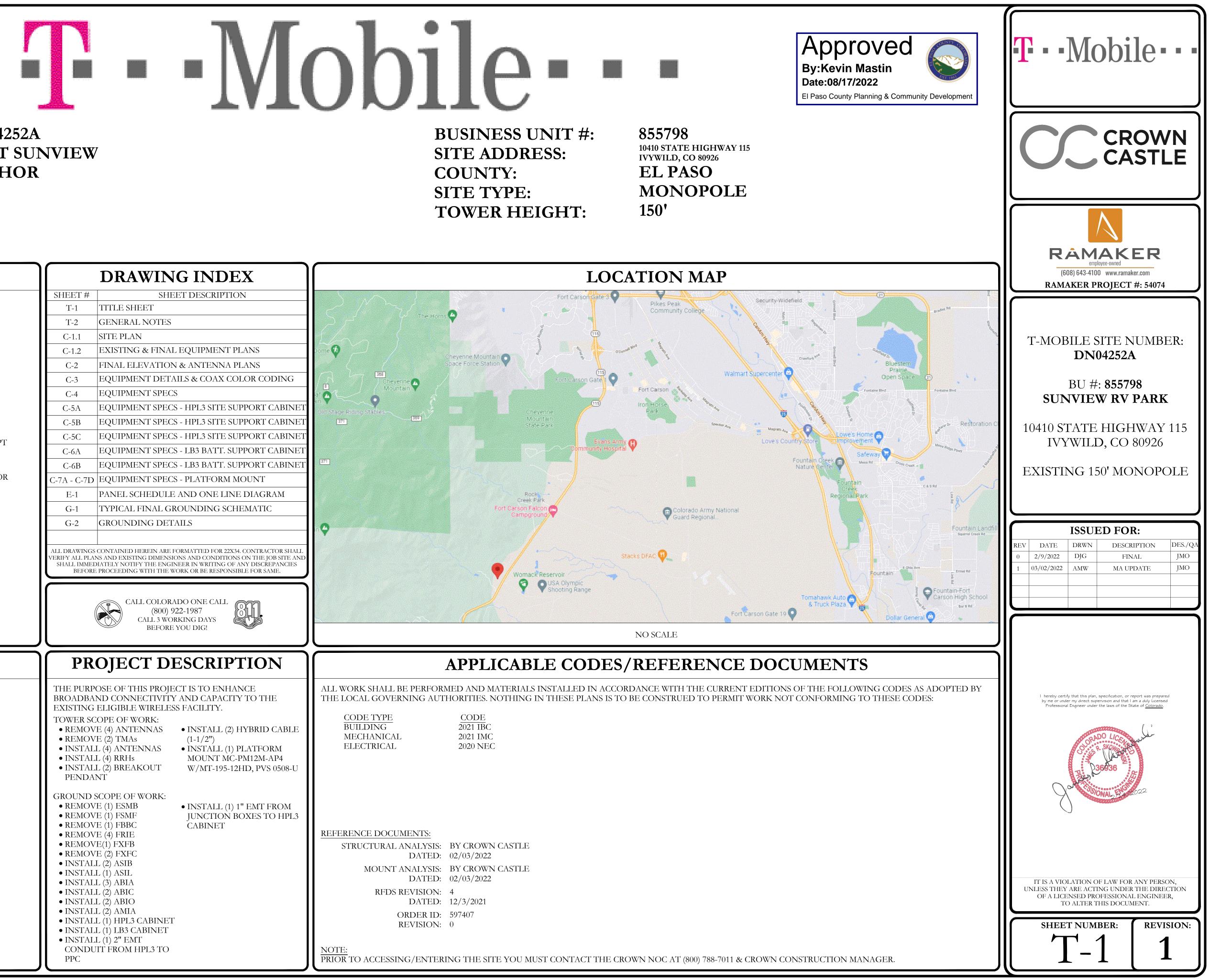
T-MOBILE SITE NUMBER: DN04252A T-MOBILE SITE NAME: AT&T SUNVIEW T-MOBILE PROJECT: ANCHOR

SI SI	TE I	NFORMATION	Ìſ	DRAWING INDEX
	DIC		SHEET #	
CROWN CASTLE USA SITE NAME:	INC.	SUNVIEW RV PARK	T-1	TITLE SHEET
SITE ADDRESS:		10410 STATE HIGHWAY 115	T-2	GENERAL NOTES
		IVYWILD, CO 80926	C-1.1	SITE PLAN
COUNTY:		EL PASO	C-1.2	EXISTING & FINAL EQUIPMENT PLAN
MAP/PARCEL #:		7602400004	C-2	FINAL ELEVATION & ANTENNA PLA
AREA OF CONSTRUC LATITUDE:	CTION:	EXISTING	C-3	EQUIPMENT DETAILS & COAX COLO
LATITUDE: LONGITUDE:		38.68034167 -104.849131	C-4	EQUIPMENT SPECS
LAT/LONG TYPE:		NAD83	C-5A	EQUIPMENT SPECS - HPL3 SITE SUPPO
GROUND ELEVATIO	N:	6389'	C-5B	EQUIPMENT SPECS - HPL3 SITE SUPPO
CURRENT ZONING:		A-5 MHP	C-5C	EQUIPMENT SPECS - HPL3 SITE SUPPO
JURISDICTION:		CO-PIKES PEAK REGIONAL BLDG DEPT	C-6A	EQUIPMENT SPECS - LB3 BATT. SUPPO
OCCUPANCY CLASSI				· ·
TYPE OF CONSTRUC A.D.A. COMPLIANCE		IIB FACILITY IS UNMANNED AND NOT FOR	C-6B	EQUIPMENT SPECS - LB3 BATT. SUPPO
A.D.A. COMPLIANCE.		HUMAN HABITATION	$C^{-}/\Lambda - C^{-}/\Gamma$	EQUIPMENT SPECS - PLATFORM MOU
PROPERTY OWNER:		HOLTON LUELLA	E-1	PANEL SCHEDULE AND ONE LINE D
		1408 W COLORADO AVE COLORADO SPRINGS, CO 80904	G-1	TYPICAL FINAL GROUNDING SCHEM
		,	G-2	GROUNDING DETAILS
TOWER OWNER:		CROWN CASTLE 2000 CORPORATE DRIVE		
		CANONSBURG, PA 15317	VERIFY ALL PL	GS CONTAINED HEREIN ARE FORMATTED FOR 22X34. CO ANS AND EXISTING DIMENSIONS AND CONDITIONS ON
CARRIER/APPLICAN	T:	T-MOBILE		EDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY RE PROCEEDING WITH THE WORK OR BE RESPONSIBLE
		2323 DELGANY STREET DENVER, CO 80216		
ELECTRIC PROVIDE	R:	EXISTING		CALL COLORADO ONE CALL (800) 922-1987 CALL 3 WORKING DAYS
TELCO PROVIDER:		EXISTING		CALL 3 WORKING DAYS BEFORE YOU DIG!
	PRO	JECT TEAM		ROJECT DESCRIPTI
A&E FIRM:	855 COM SAUK CI (608) 643 CONTAC	ER & ASSOCIATES, INC. MUNITY DRIVE TY, WI 53583 6-4100 CT: JOSH OPSETH, PROJECT MANAGER OPSETH@RAMAKER.COM	BROADBA EXISTING TOWER S • REMO	POSE OF THIS PROJECT IS TO ENHANC AND CONNECTIVITY AND CAPACITY T G ELIGIBLE WIRELESS FACILITY. COPE OF WORK: VE (4) ANTENNAS VE (2) TMAs (1-1/2")
CROWN CASTLE	5	LACE DRIVE, SUITE 490	• INSTA	LL (4) ANTENNAS • ÎNSTÂLL (1) PLA
USA INC. DISTRICT CONTACTS:		S, MO 63141		LL (4) RRHs MOUNT MC-PM LL (2) BREAKOUT W/MT-195-12HD ANT
		NORTHCUTT - PROJECT MANAGER NORTHCUTT@CROWNCASTLE.COM	• REMO	• SCOPE OF WORK: VE (1) ESMB • INSTALL (1) 1" E
	ΠΙΟΤΊΝΙΙ			VE (1) FSMF JUNCTION BOX VE (1) FBBC CABINET
		OPEZ - CONSTRUCTION MANAGER OPEZ@CROWNCASTLE.COM	 REMO REMO REMO REMO INSTA INSTA INSTA INSTA INSTA INSTA INSTA INSTA 	VE (1) FBBC CABINET VE (4) FRIE VE (4) FRIE VE (1) FXFB VE (2) FXFC LL (2) ASIB LL (1) ASIL LL (2) ABIC LL (2) ABIC LL (2) ABIC LL (2) AMIA LL (1) HPL3 CABINET LL (1) LB3 CABINET LL (1) 2" EMT UIT FROM HPL3 TO





CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

- 1. NOTICE TO PROCEED- NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800-788-7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
- 2. "LOOK UP" CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
- PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS
- ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CED-STD-10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA-322 (LATEST EDITION)
- 5. ALL SITE WORK TO COMPLY WITH QAS-STD-10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE," CED-STD-10294 "STANDARD FOR INSTALLATION OF MOUNTS AND APPURTENANCES," AND LATEST VERSION OF ANSI/TIA-1019-A-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.
- IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES. ORDINANCES AND APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION. 10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
- 11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
- 12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- 13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES
- 14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
- 15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
- 16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED RFACE APPLICATION 17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER,
- EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS. 18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL
- MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL. 19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND
- STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- 20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- 21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
- 22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GREENFIELD GROUNDING NOTES:

- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC. THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND
- ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE
- TESTING RESULTS. 4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- 5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS. 10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
- 11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- 12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
- 13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS. 14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
- 15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- 16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL 17. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- 18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR. 19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
- 20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON-METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD-WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
- 21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

GENERAL NOTES:

- CONTRACTOR: CARRIER: T-MOBILE TOWER OWNER: CROWN CASTLE USA INC.
- MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.

- WITH ANY SUCH CHANGE OF INSTALLATION.
- DRAWINGS
- DESIGNATED LOCATION.
- A DAILY BASIS.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE. 2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
- 3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°F AT TIME OF PLACEMENT
- CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER-TO-CEMENT RATIO (W/C) OF 0.45.
- ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS: #4 BARS AND SMALLER....
- #5 BARS AND LARGER THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ... CONCRETE EXPOSED TO EARTH OR WEATHER: #6 BARS AND LARGER ...
- CONCRETE NOT EXPOSED TO EARTH OR WEATHER: SLAB AND WALLS BEAMS AND COLUMNS ..
- #5 BARS AND SMALLER ...
- 7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION

2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR

THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER

CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE

CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.

PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CROWN CASTLE

ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY

SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.

10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND CROWN CASTLE PRIOR TO PROCEEDING

11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION AND IS TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN

12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF CROWN CASTLE USA INC.

14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON

13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S

.40 ksi

..60 ksi

.1-1/2"

...1 - 1/2"

3/4"

AND NEC. EXPOSED INDOOR LOCATIONS 16. ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.

ELECTRICAL INSTALLATION NOTES:

AND TRIP HAZARDS ARE ELIMINATED.

4.1.

4.2.

CIRCUIT ID'S).

OTHERWISE SPECIFIED.

FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.

REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.

ADOPTED CODE PRE THE GOVERNING JURISDICTION.

GRADE PVC CONDUIT. 18. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.

19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.

20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.

21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).

22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL). 23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER-ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE 24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR

BETTER) FOR EXTERIOR LOCATIONS.

METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.

26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS. 27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC.

BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.

28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE

WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY. 29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "T-MOBILE" 30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

CONDUCTOR COLOR CODE							
SYSTEM	CONDUCTOR	COLOR					
	A PHASE	BLACK					
120/240V, 1Ø	B PHASE	RED					
120/2400, 10	NEUTRAL	WHITE					
	GROUND	GREEN					
	A PHASE	BLACK					
	B PHASE	RED					
120/208V, 3Ø	C PHASE	BLUE					
	NEUTRAL	WHITE					
	GROUND	GREEN					
	A PHASE	BROWN					
	B PHASE	ORANGE OR PURPL					
277/480V, 3Ø	C PHASE	YELLOW					
	NEUTRAL	GREY					
	GROUND	GREEN					
DC VOLTAGE	POS (+)	RED**					
DU VULIAGE	NEG (-)	BLACK**					

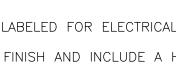
* SEE NEC 210.5(C)(1) AND (2) ** POLARITY MARKED AT TERMINATION

ABBREVIATIONS:

W.P.

ANT (E) FIF GEN GPS GSM LTE MGB MW (N)	ANTENNA EXISTING FACILITY INTERFACE FRAME GENERATOR GLOBAL POSITIONING SYSTEM GLOBAL SYSTEM FOR MOBILE LONG TERM EVOLUTION MASTER GROUND BAR MICROWAVE NEW	
NEC	NATIONAL ELECTRIC CODE	
(P) PP	PROPOSED POWER PLANT	
PP QTY	QUANTITY	
RECT		
RBS	RADIO BASE STATION	
RET	REMOTE ELECTRIC TILT	
RFDS		
RRH RRU	REMOTE RADIO HEAD REMOTE RADIO UNIT	
SIAD	SMART INTEGRATED DEVICE	
TMA	TOWER MOUNTED AMPLIFIER	
TYP	TYPICAL	
UMTS	UNIVERSAL MOBILE TELECOMMUNICATIONS	S

UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM WORK POINT



ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE

CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED 3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC. 4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO

ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERYIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT

EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE

CONFIGURATION. WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS

8. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.

ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED. 10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED. 11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS

12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED. 13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE). 14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE

15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR

17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE

APWA UNIFORM COLOR CODE

VHITE	PROPOSED EXCAVATION
PINK	TEMPORARY SURVEY MARKINGS
RED	ELECTRIC POWER LINES, CABLES, CONDUIT, AND LIGHTING CABLES
ELLOW	GAS, OIL, STEAM, PETROLEUM, OR GASEOUS MATERIALS
RANGE	COMMUNICATION, ALARM OR SIGNAL LINES, CABLES, OR CONDUIT AND TRAFFIC LOOPS
BLUE	POTABLE WATER
JRPLE	RECLAIMED WATER, IRRIGATION, AND SLURRY LINES
REEN	SEWERS AND DRAIN LINES





T-MOBILE SITE NUMBER: **DN04252A**

BU #: **855798** SUNVIEW RV PARK

10410 STATE HIGHWAY 115 IVYWILD, CO 80926

EXISTING 150' MONOPOLE

ISSUED FOR:

	ICCULD I OK.									
REV	DATE	DRWN	DESCRIPTION	DES./QA						
0	2/9/2022	DJG	FINAL	ЈМО						
1	03/02/2022	AMW	MA UPDATE	ЈМО						

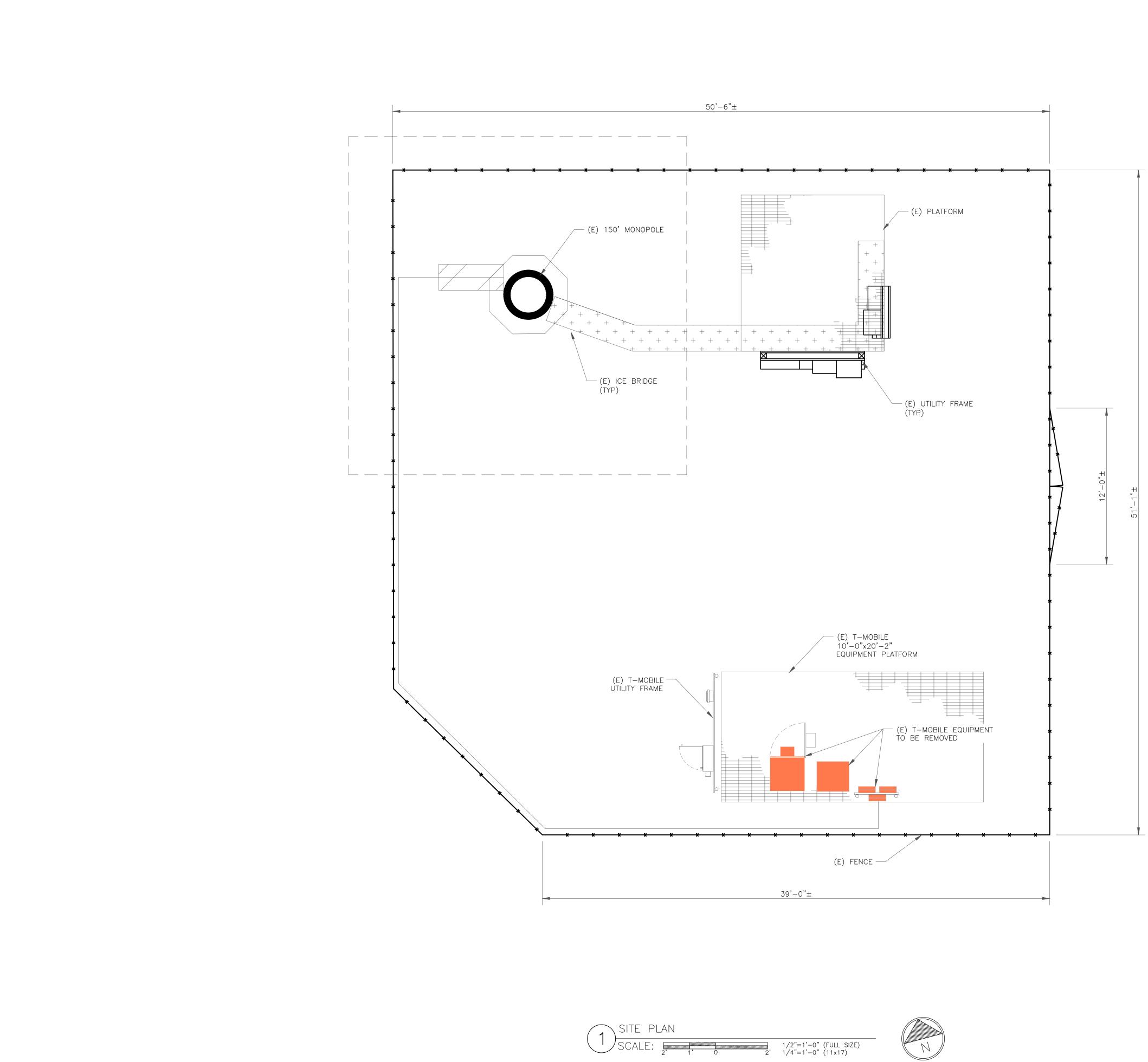
hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Lic Professional Engineer under the laws of the State of <u>Colorado</u>.



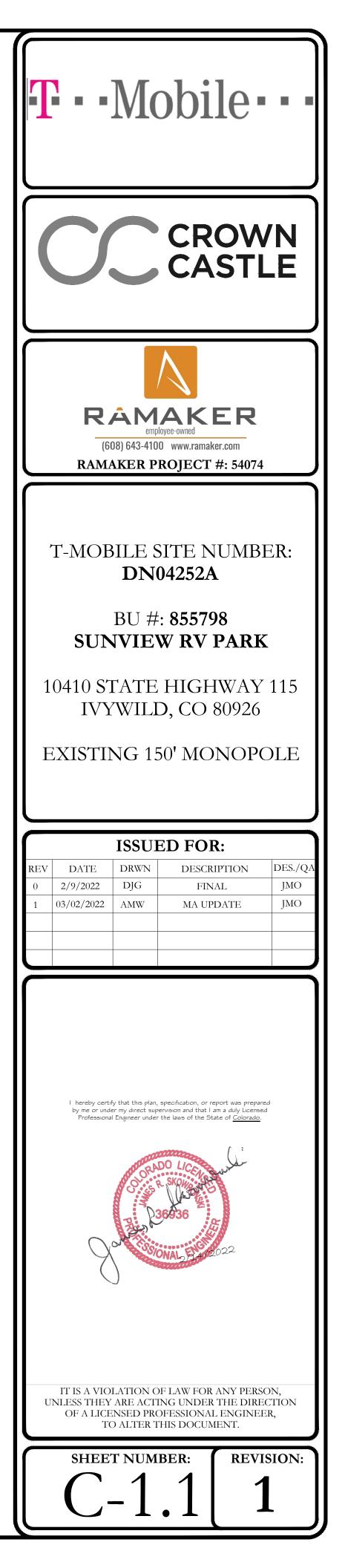
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

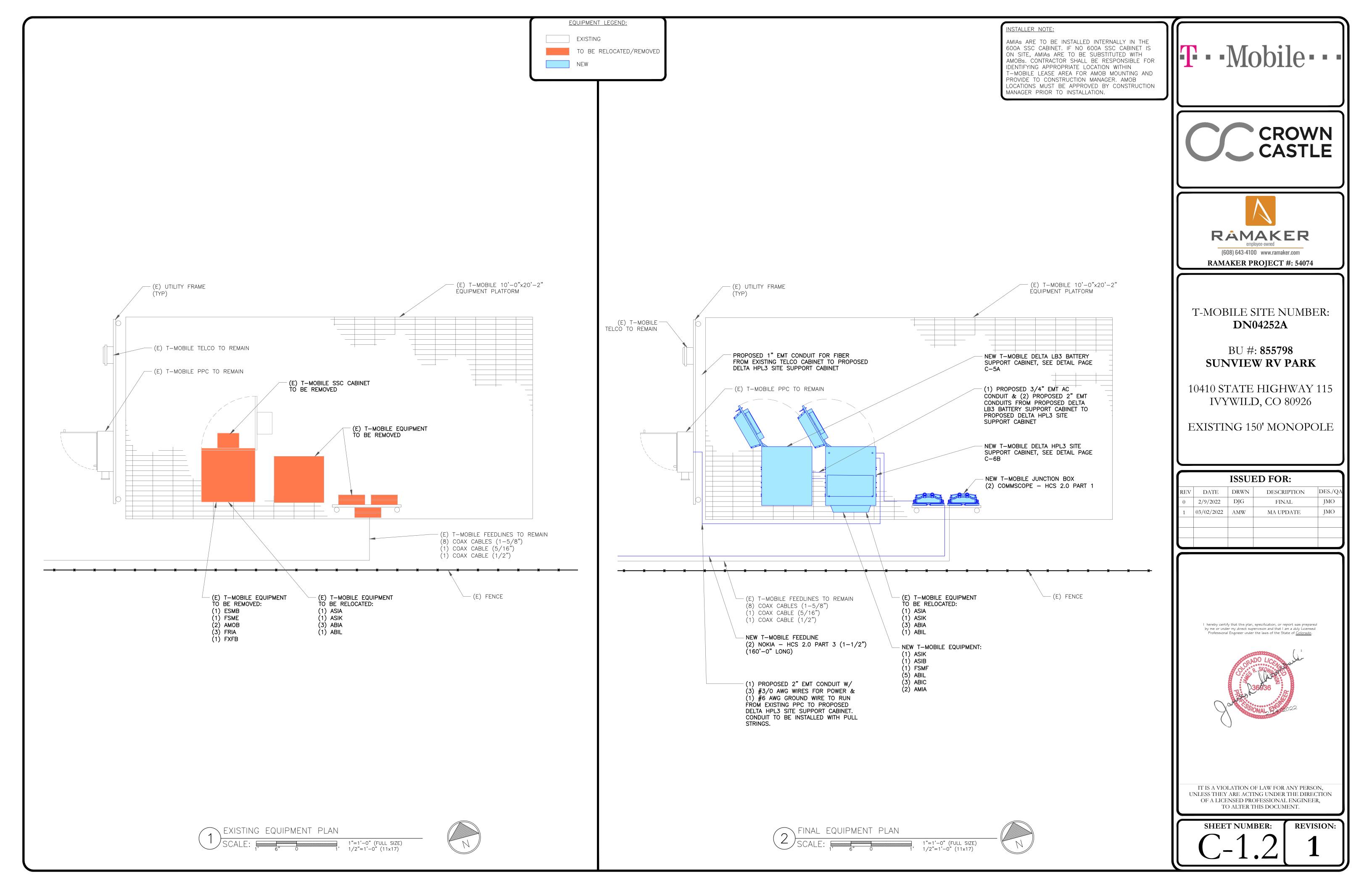
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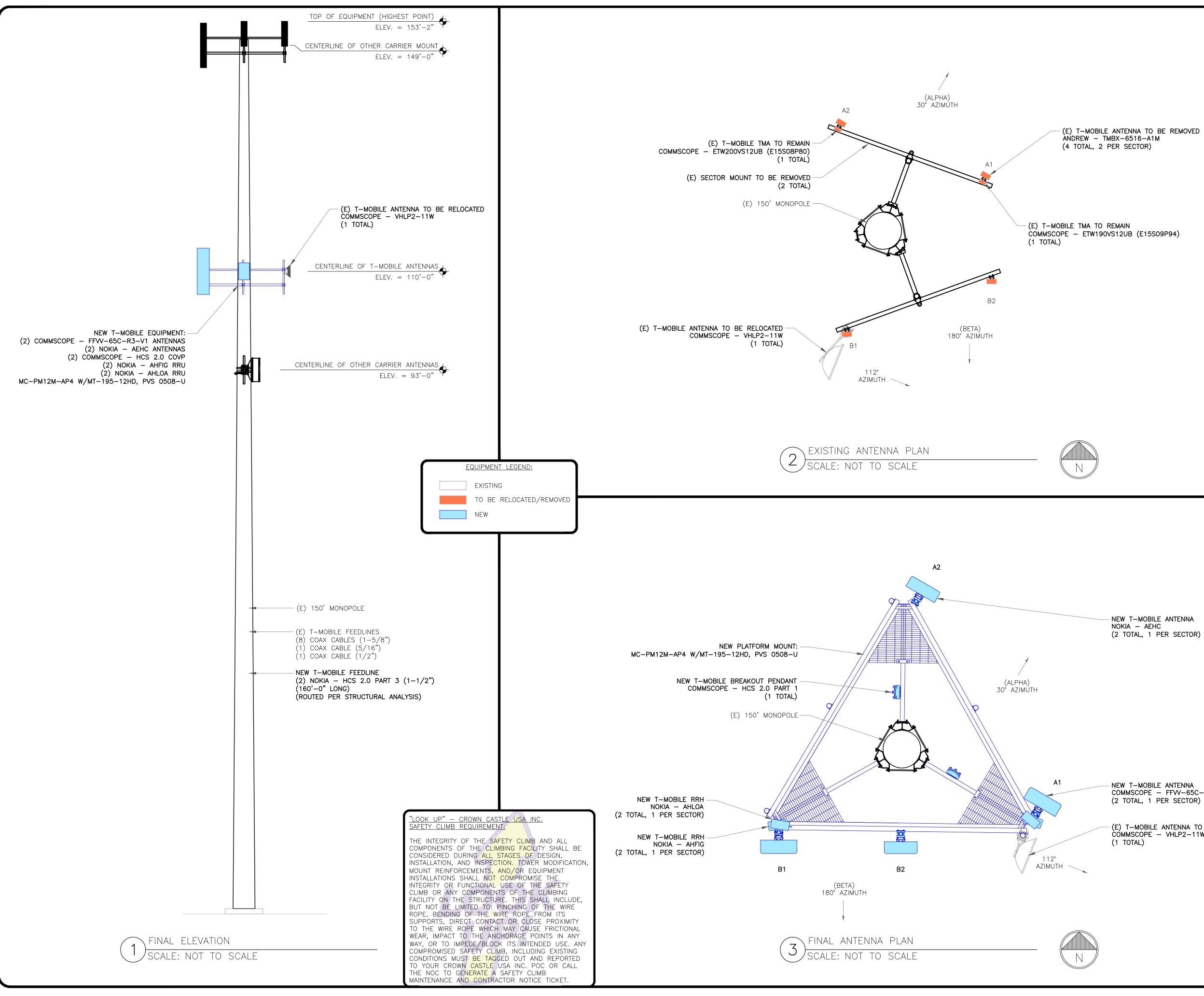
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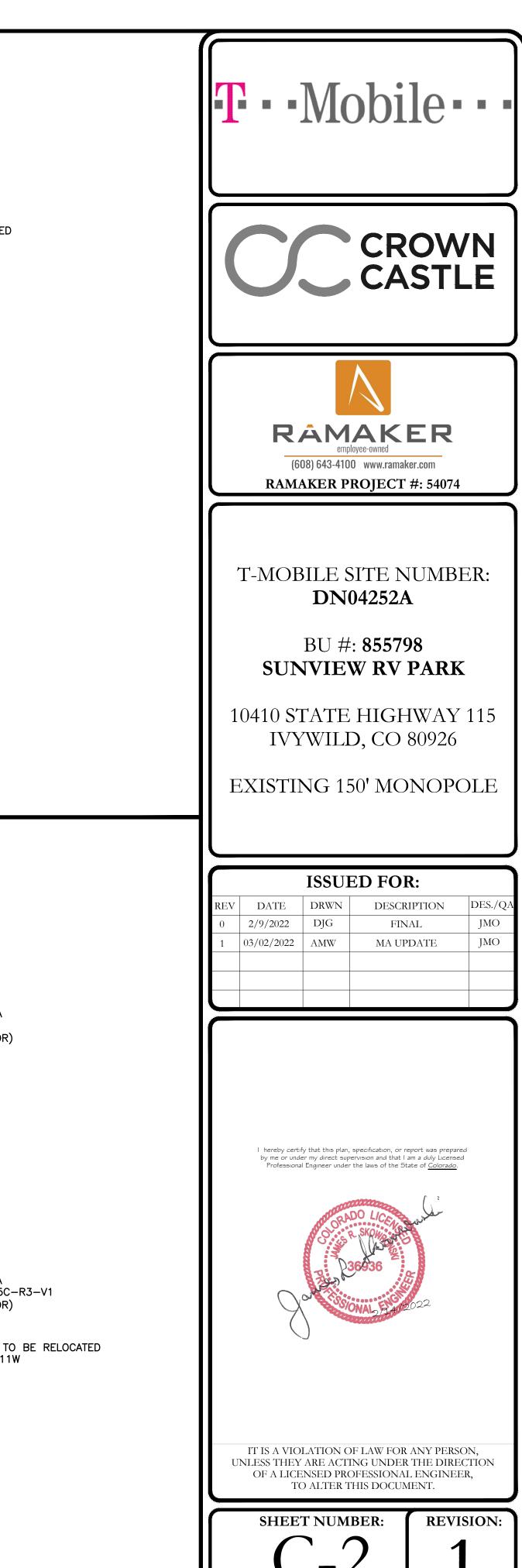








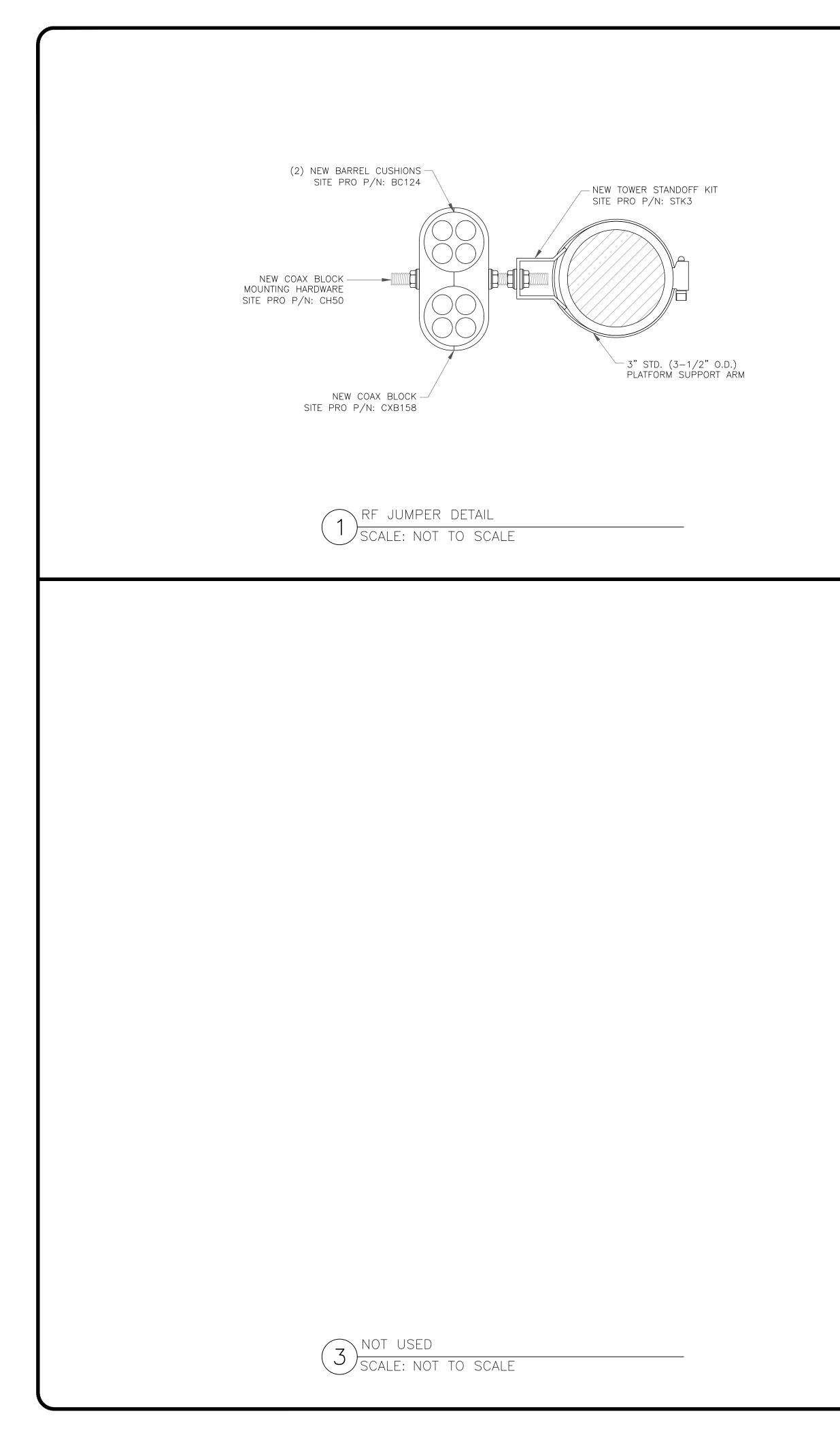


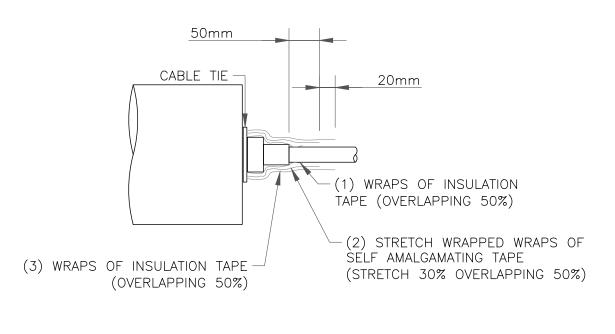


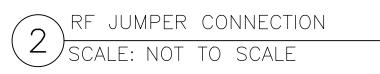
NEW T-MOBILE ANTENNA NOKIA – AEHC (2 TOTAL, 1 PER SECTOR)

NEW T-MOBILE ANTENNA COMMSCOPE - FFVV-65C-R3-V1 (2 TOTAL, 1 PER SECTOR)

- (E) T-MOBILE ANTENNA TO BE RELOCATED COMMSCOPE - VHLP2-11W







Coax Color Coding

- Antennas will be labeled (back of antenna view) Right to left 1 X ports
- Coax/Jumper lines will be identified by sector color and by number of bands around the coax/jumper

SECTOR A	RED
SECTOR B	GREEN
SECTOR C	BLUE
SECTOR D	YELLOW
SECTOR E	WHITE
SECTOR F	
LMU	BROWN + SECTOR COLOR BANDS (1 & 2)
FIBER ID	GRAY
UNUSED COAX	PINK
MICROWAVE	ORANGE
DWE T-1'S + GPS DOWNLINK CABLE	ID W/LABEL MAKER

XX XX XX XX

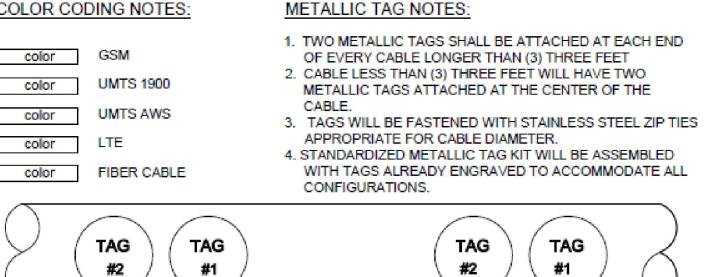
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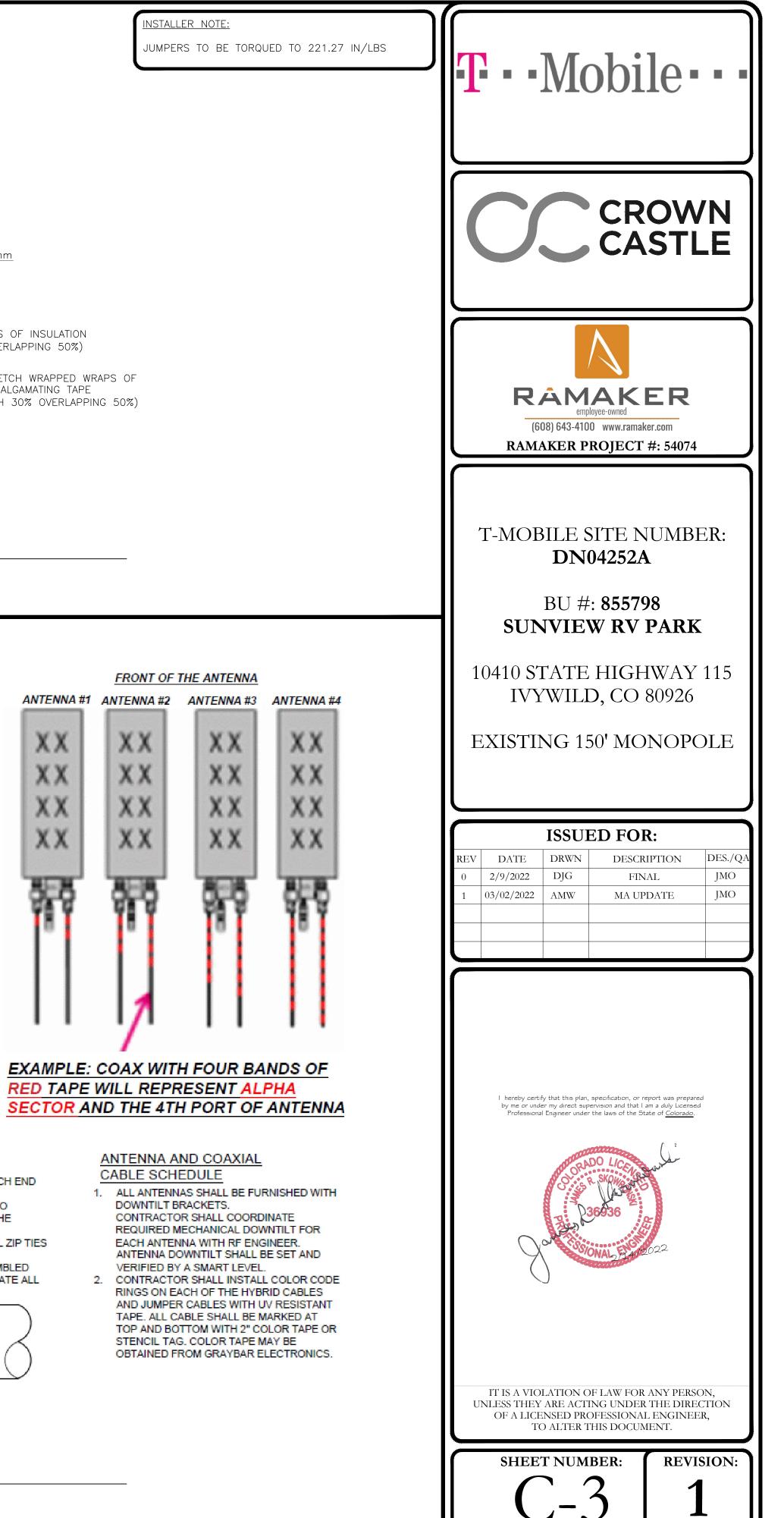
COLOR CODING NOTES:

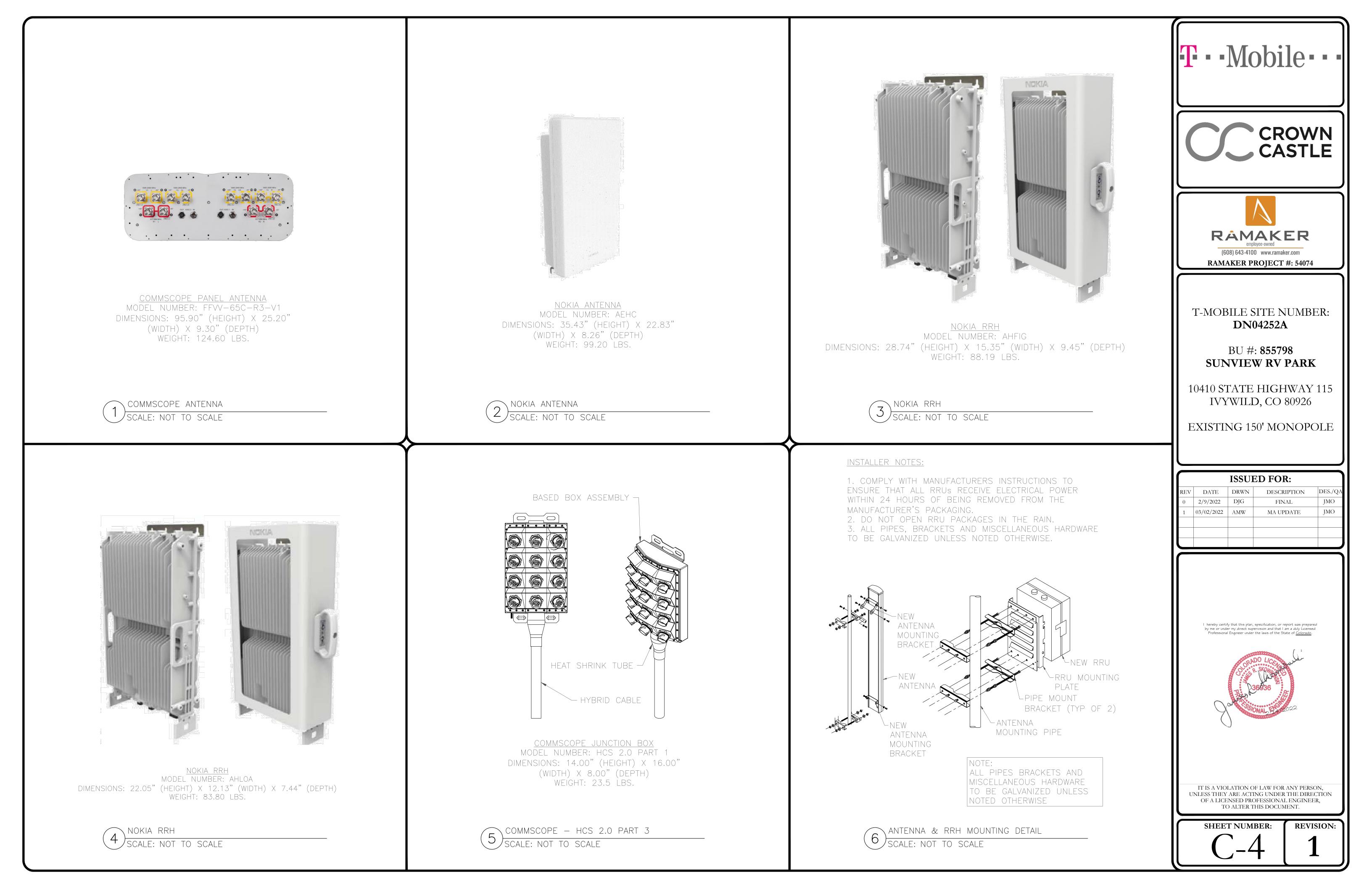


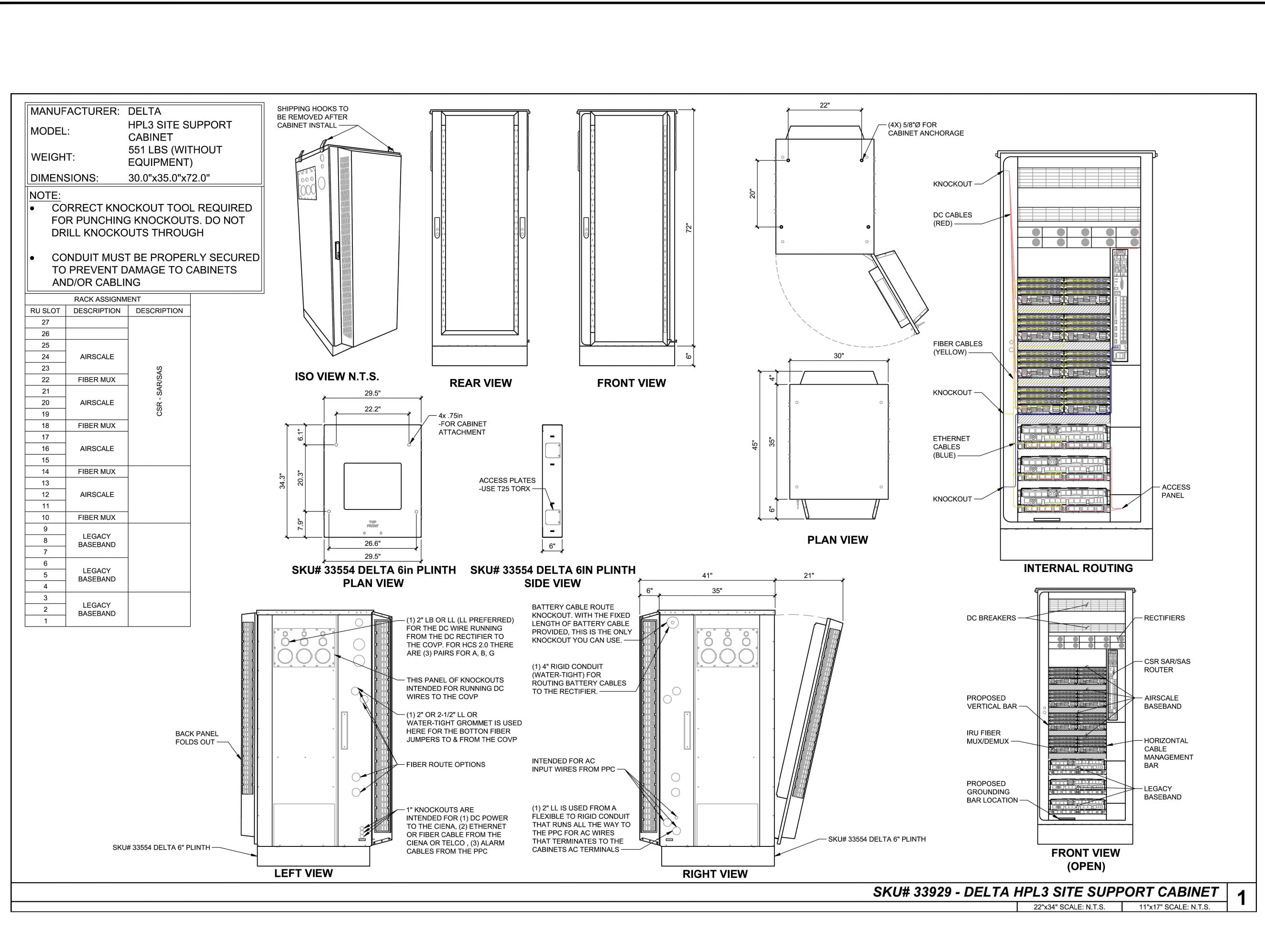
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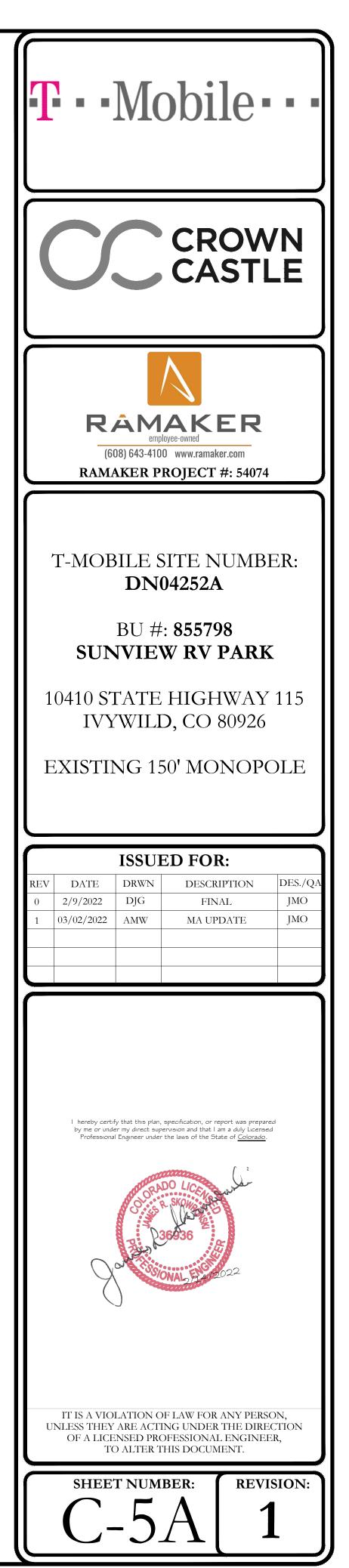
COAX COLOR CODING

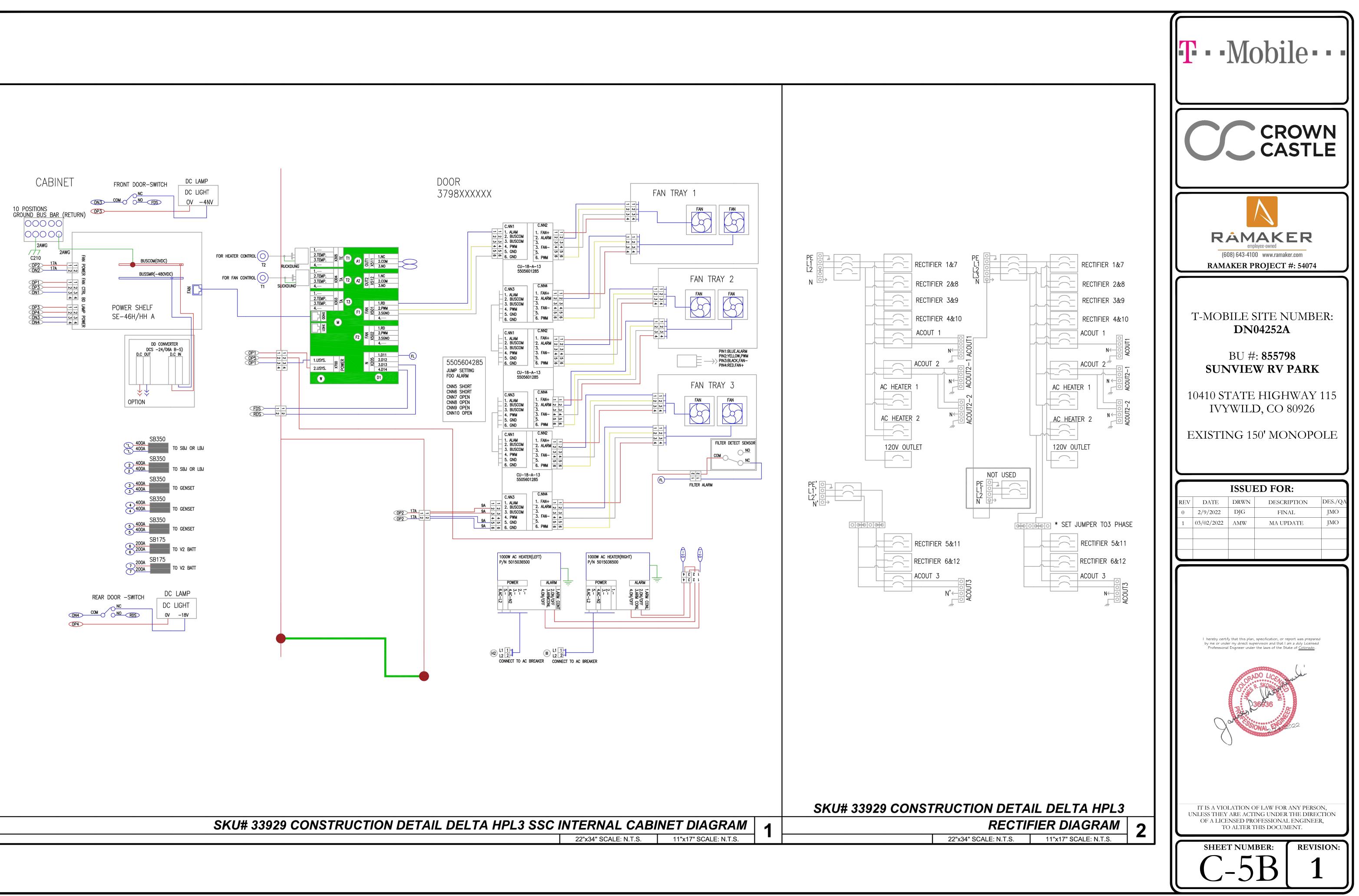
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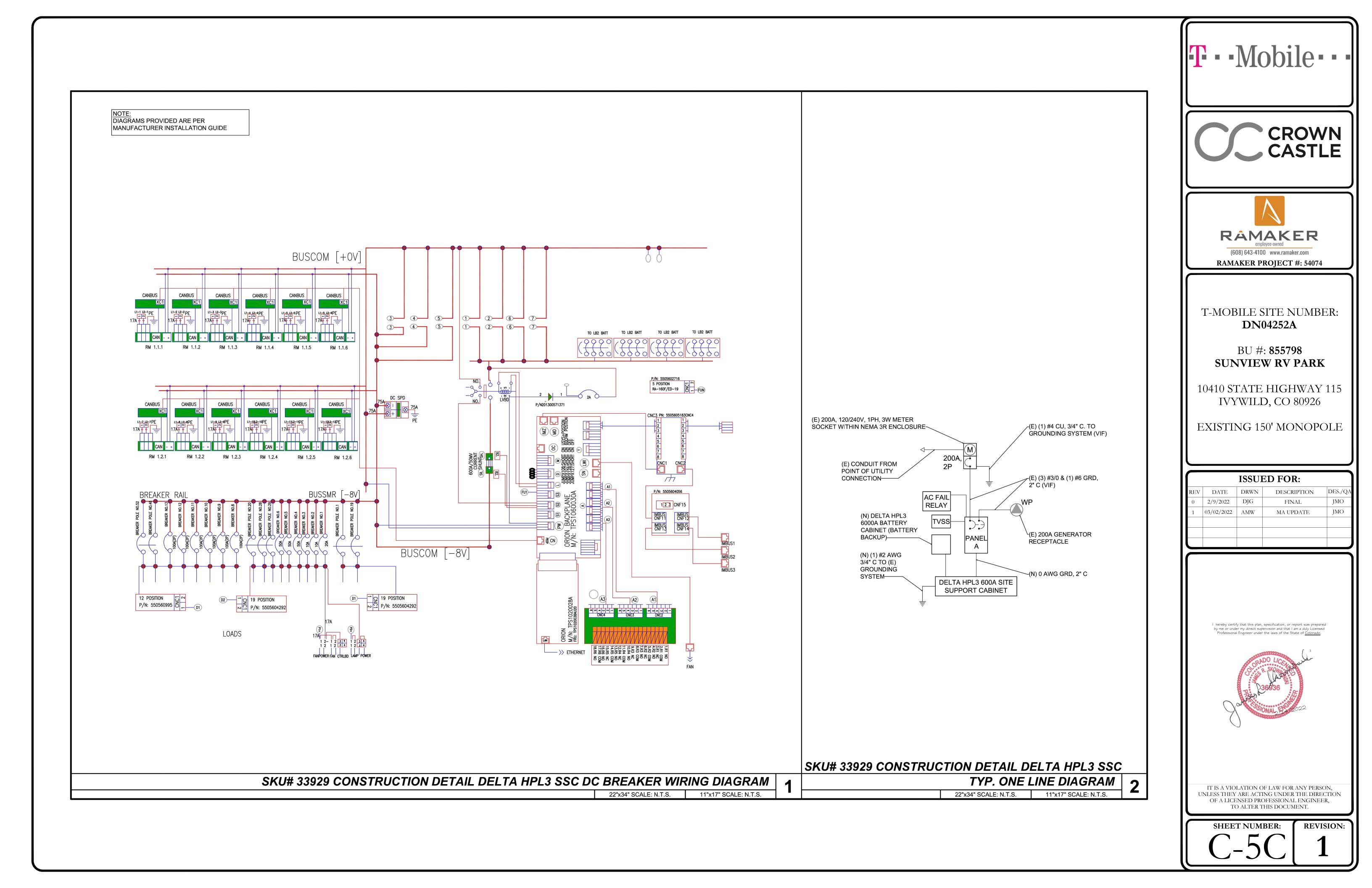


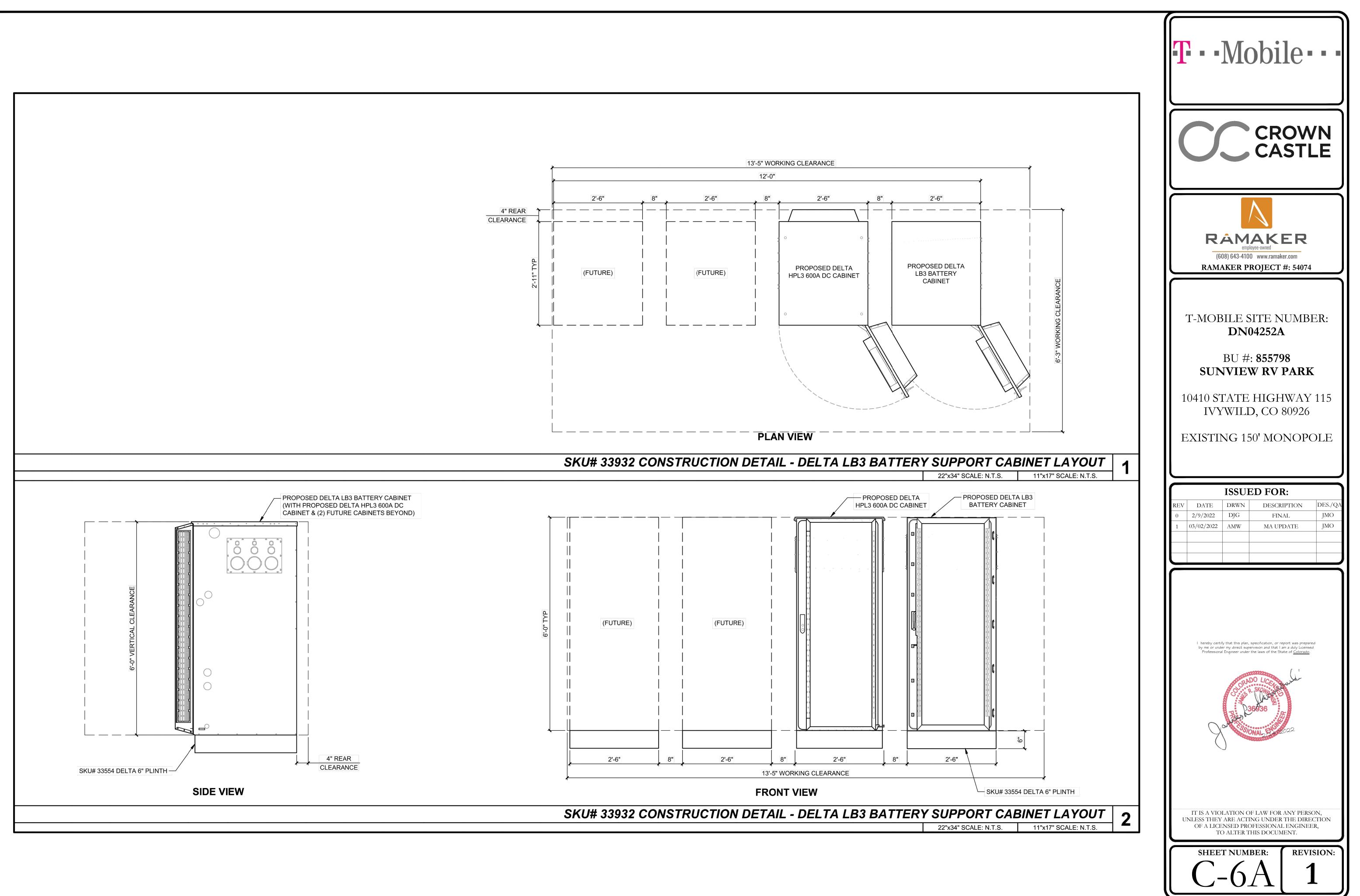


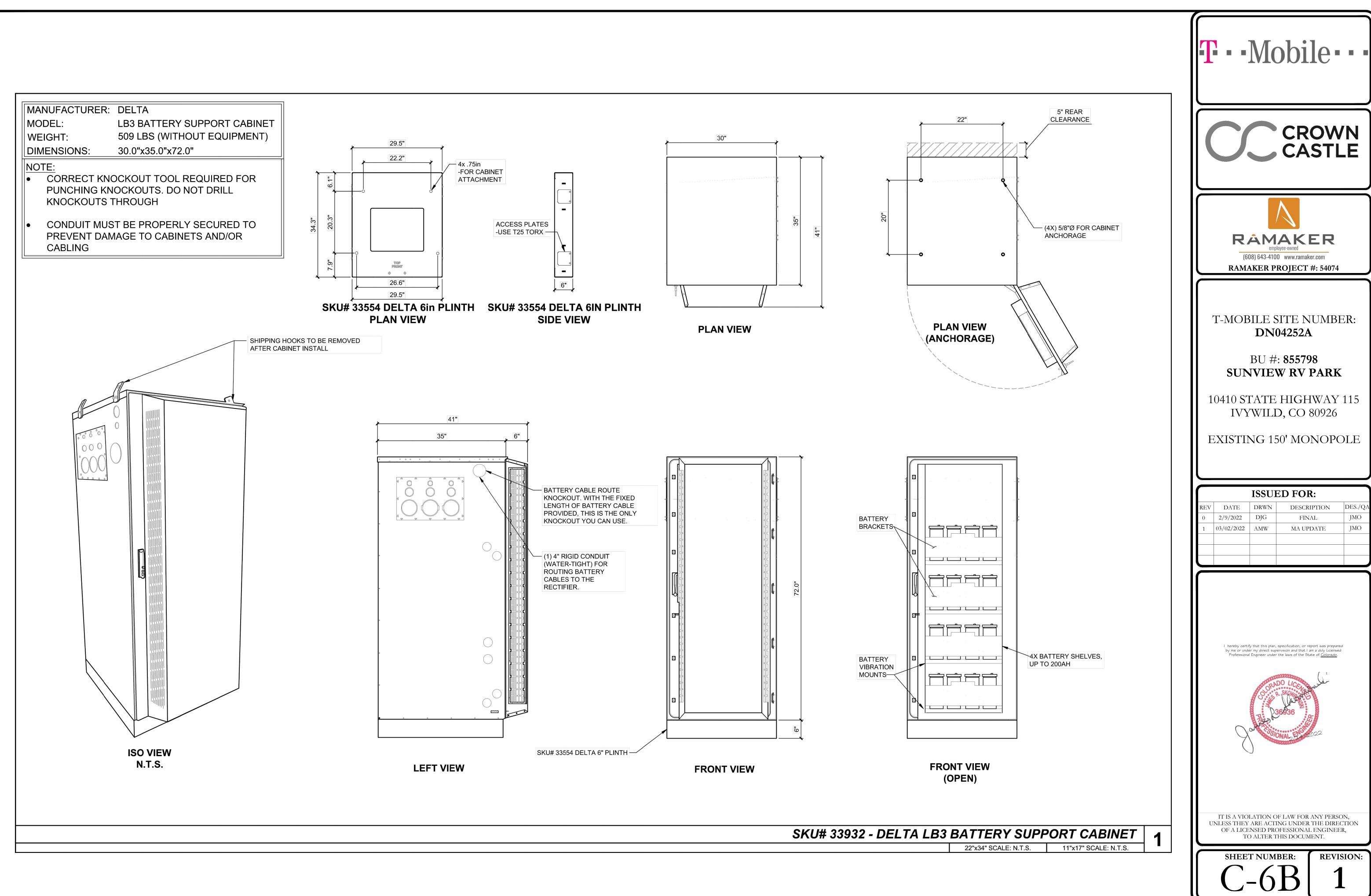












1.0 GENERAL 1.1 ALL METRIC DIMENSIONS ARE IN BRACKETS 1.2 FOR PATENTS, SEE WWW.CS-PAT.COM 2.0 DESIGN NOTES 2.1 USE DRAWING MC-RMHD-1245-3 TO ASSEMBLE RING MOUNT 3.0 MANUFACTURING/SPECIAL REQUIREMENTS **4.0 TEST** 5.0 PACKAGING PART # DESCRIPTION н ATLAS MONOPOLE PLATFORM, 10' FACE PIPE, w/ 2.88" TOP RAIL, NO ANT PIPE MC-PM10M-BC ATLAS MONOPOLE PLATFORM, 10' FACE PIPE, w/ 2.88" TOP RAIL, (12) 2.88" X 96" ANT PIPE MC-PM10M-12C-96 MC-PM10M-12C-126 ATLAS MONOPOLE PLATFORM, 10' FACE PIPE, w/ 2.88" TOP RAIL, (12) 2.88" X 126" ANT PIPE ATLAS MONOPOLE PLATFORM, 12' FACE PIPE, w/ 2.88" TOP RAIL, NO ANT PIPE MC-PM12M-BC MC-PM12M-12C-96 ATLAS MONOPOLE PLATFORM, 12' FACE PIPE, w/ 2.88" TOP RAIL, (12) 2.88" X 96" ANT PIPE MC-PM12M-12C-126 ATLAS MONOPOLE PLATFORM, 12' FACE PIPE, w/ 2.88" TOP RAIL, (12) 2.88" X 126" ANT PIPE

NOTES:



MC-PM14M-BC

MC-PM14M-12C-96 MC-PM14M-12C-126

www.Talleycom.com | Sales@Talleycom.com | 800.949.7079

ATLAS MONOPOLE PLATFORM, 14' FACE PIPE, w/ 2.88" TOP RAIL, NO ANT PIPE

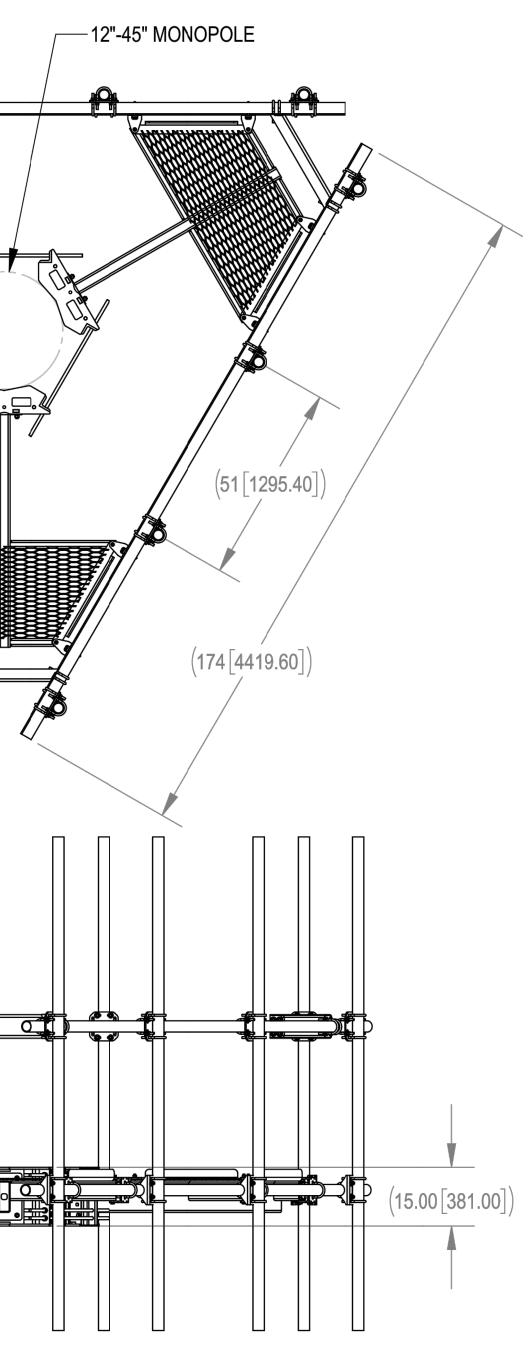
ATLAS MONOPOLE PLATFORM, 14' FACE PIPE, w/ 2.88" TOP RAIL, (12) 2.88" X 96" ANT PIPE

ATLAS MONOPOLE PLATFORM, 14' FACE PIPE, w/ 2.88" TOP RAIL, (12) 2.88" X 126" ANT PIPE

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MC-PM14M-12C-126 SHOWN FOR F

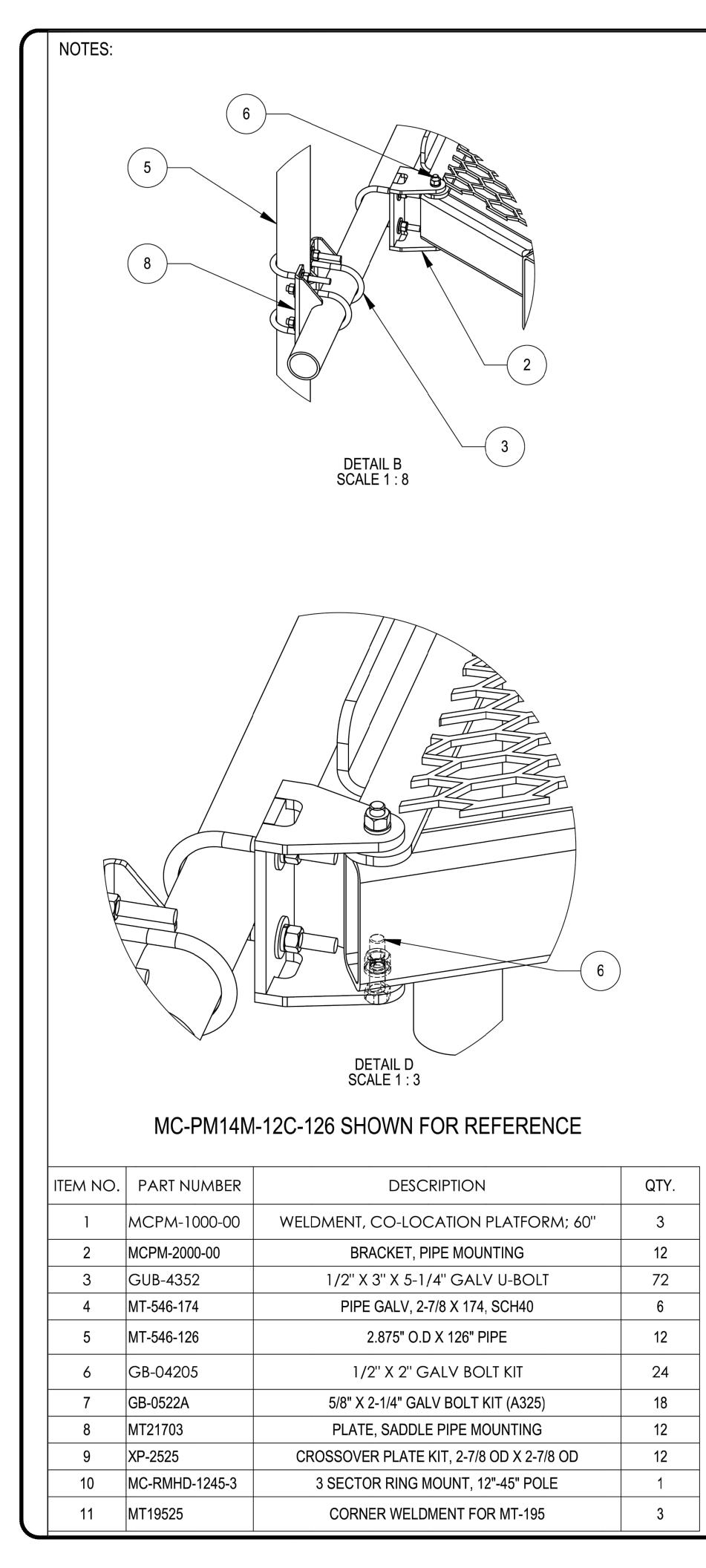
HARDWARE KIT	PIPE BUNDLE	STEE	L BUNDLE								
MCPMC-HK10	PB0610K	MC	PM-SB40				COMMS	COPE	E. INC	. OF N(C
MCPMC-HK10	PB0610K1208K	MC	PM-SB40						-,		
MCPMC-HK10	PB1810K	MC	PM-SB40				TOLERA		0.00		
MCPMC-HK12	PB0612K	MC	PM-SB60		1 PLACE		.25	3 PLACE.XX			
MCPMC-HK12	PB0612K1208K	MC	PM-SB60		2 PLACE .X	X ±	0.12	ANGLES	± 2°		
MCPMC-HK12	PB0612K1210K	MC	PM-SB60		FINISH					MATERIAL	
MCPMC-HK12	PB0614K	MC	PM-SB60		GALV A1	23				A500, A5	529
MCPMC-HK12	PB0614K1208K	MC	PM-SB60			20				/ 1000, / 10	, 20
MCPMC-HK12	PB0614K1210K	MC	PM-SB60			-					
					994		NAME	DATE	TITLE		
					CIFIEL ES .5M-1	CE	ES1081	12/17/20		/I-C CO-L	\cap
					UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES INTERPRET PER ANSI Y 14.5M-1994	RW	ES1081	12/17/2020			5
			DENSITY	lbs/in ³	RWISE RE IN R ANS	RV					
			MASS	lbs	NS AF	AD	ROGHANSON	12/28/2020			
			VOLUME	in ³	ESS 0 ENSIO RPRE	RE	BCROSS	01/05/2021		DOCUMENT NC).
			SURFACE AREA	in²	UNLE	ECN	008000044190		1:32		
			HEIGHT		SIZE	WO	RK AREA 24		MODEL		
\frown			LENGTH		\mathbf{C}		$\rightarrow \square$	VERSION	STATUS	REVISION	١
(C) 2020 C	commScope, Inc. Confi	dential	WIDTH			14	$\forall \forall \forall$	01	RE	A	

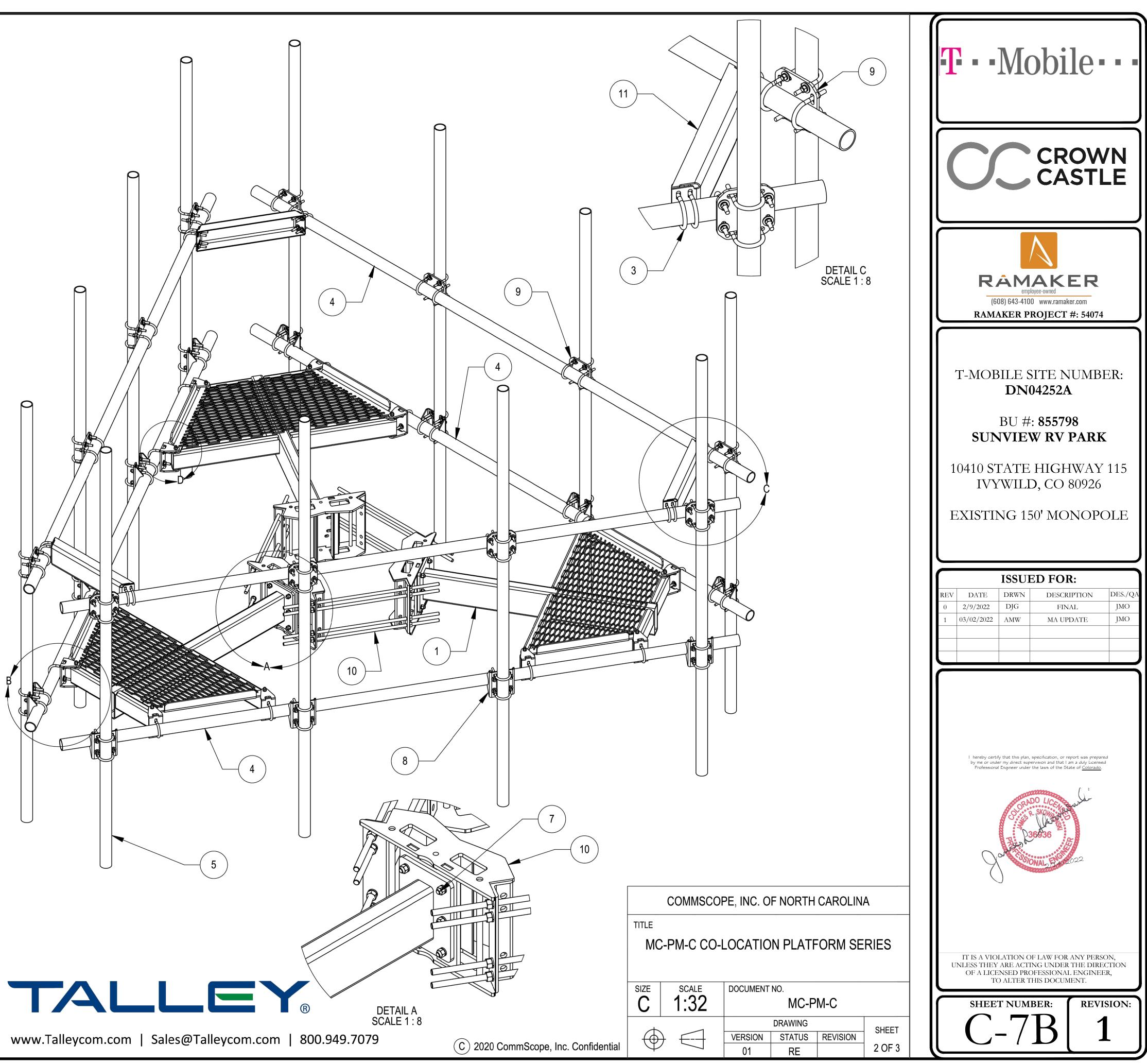


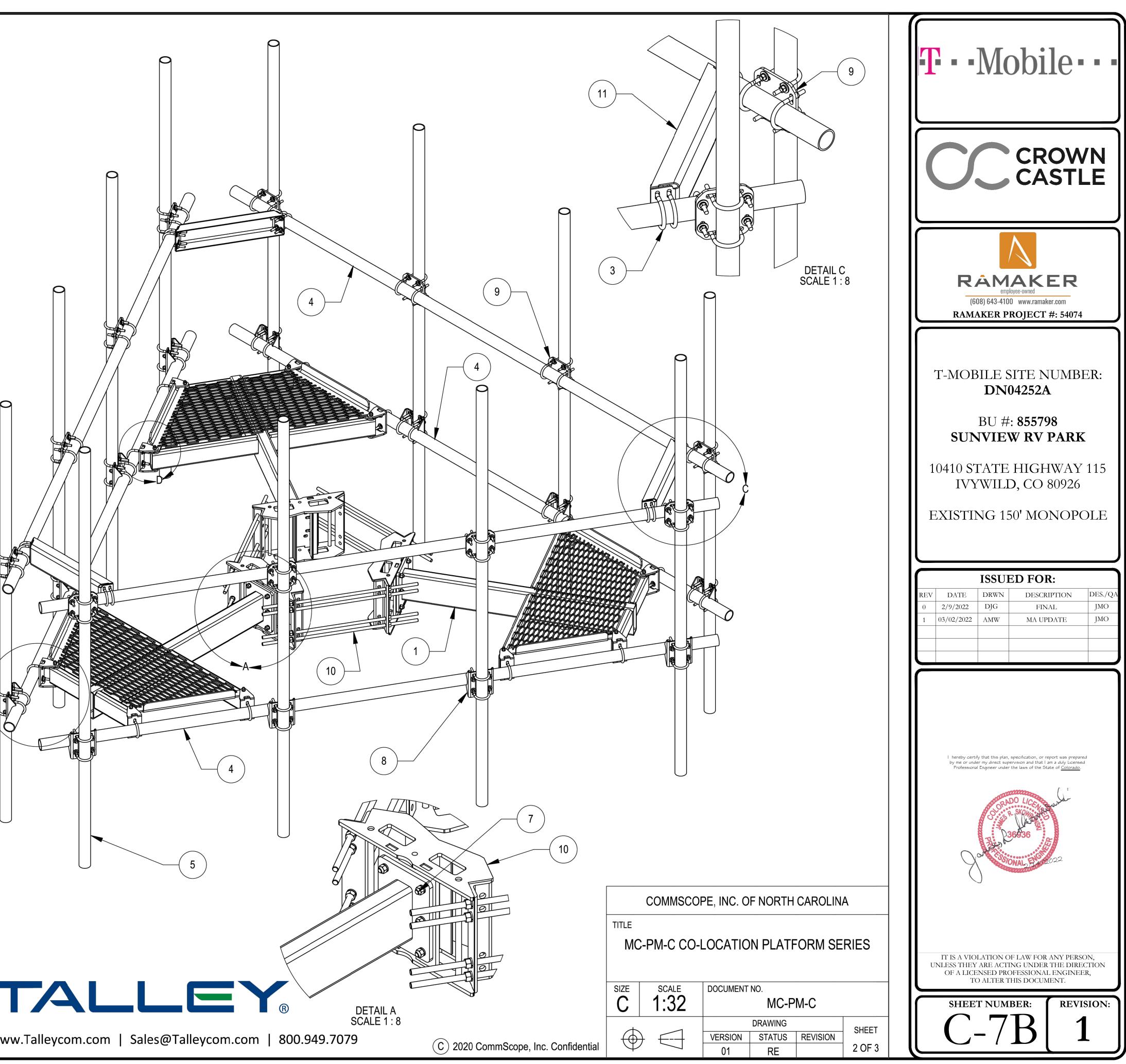
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Ĩ						CROV CAST	
				(6	emplo 08) 643-4100	AKER yee-owned www.ramaker.com ROJECT #: 540'	
			1	SUN 0410 S [*] IVY	DN(BU #: VIEV FATE WILE	ITE NUMI 94252A : 855798 & RV PAR HIGHWA), CO 8092 0' MONOI	K Y 115 6
REFERENCE					ISSUE	D FOR:	
			REV 0 1	DATE 2/9/2022 03/02/2022	DRWN DJG AMW	DESCRIPTION FINAL MA UPDATE	DES./O JMO JMO
NORTH CARO SAP MATERIA SEE TA	AL MASTER			by me or und	er my direct supe	specification, or report was pre- runsion and that I am a duly Lice the laws of the State of <u>Colora</u>	ensed
^{IAL} A529, A1011/A1018 -LOCATION PLAT				~		WAL 22 AVECON	
			υ	UNLESS THEY OF A LICH	' ARE ACTII ENSED PRO	F LAW FOR ANY PE NG UNDER THE DI FESSIONAL ENGIN HIS DOCUMENT.	RECTION
TNO. MC-PM- DRAWING DN VERSION STATUS	-C	SHEET		SHEE	т пимі	BER: RE	vision: 1
01 RE		1 OF 3	5			<u> </u>	

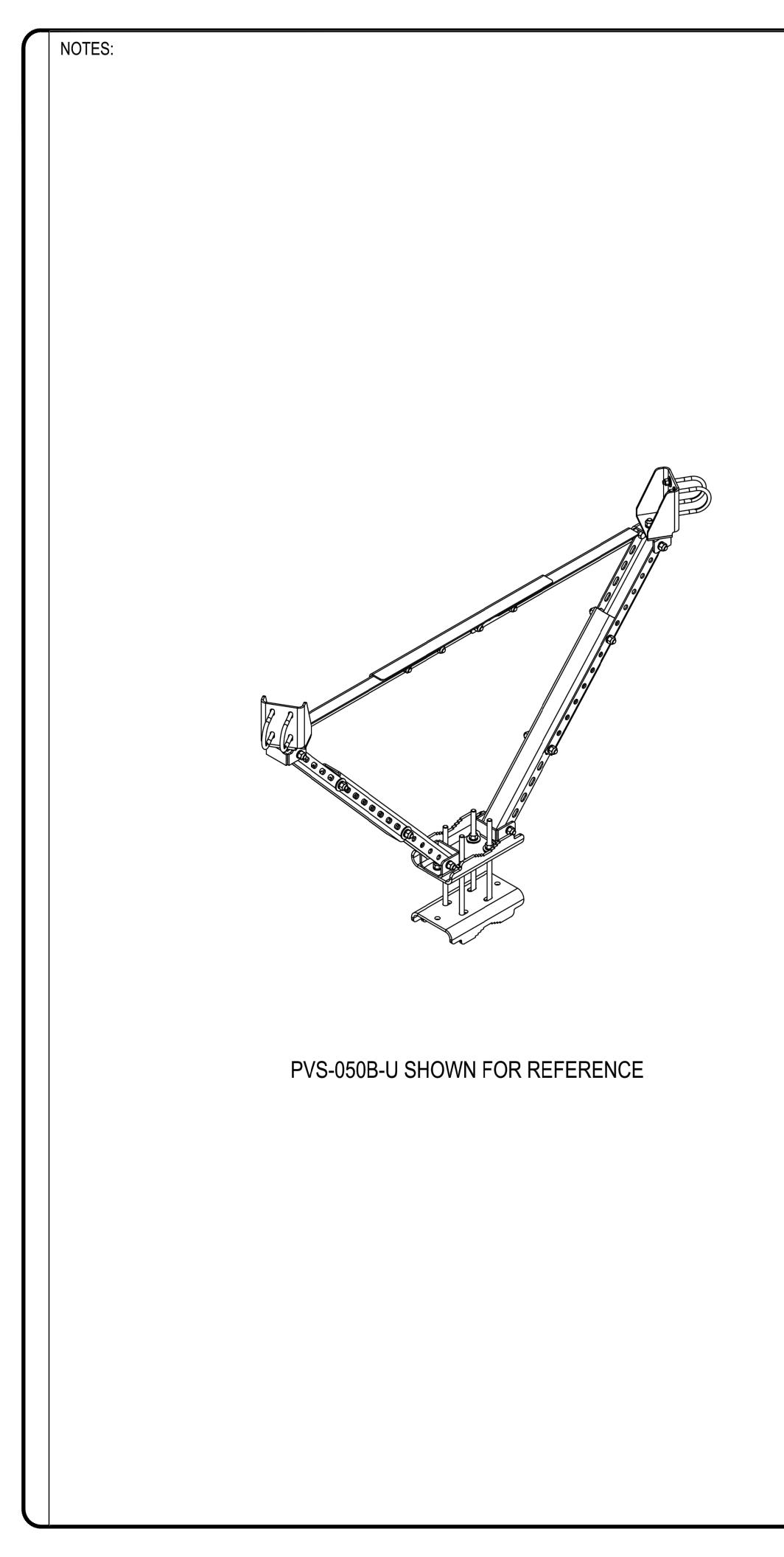
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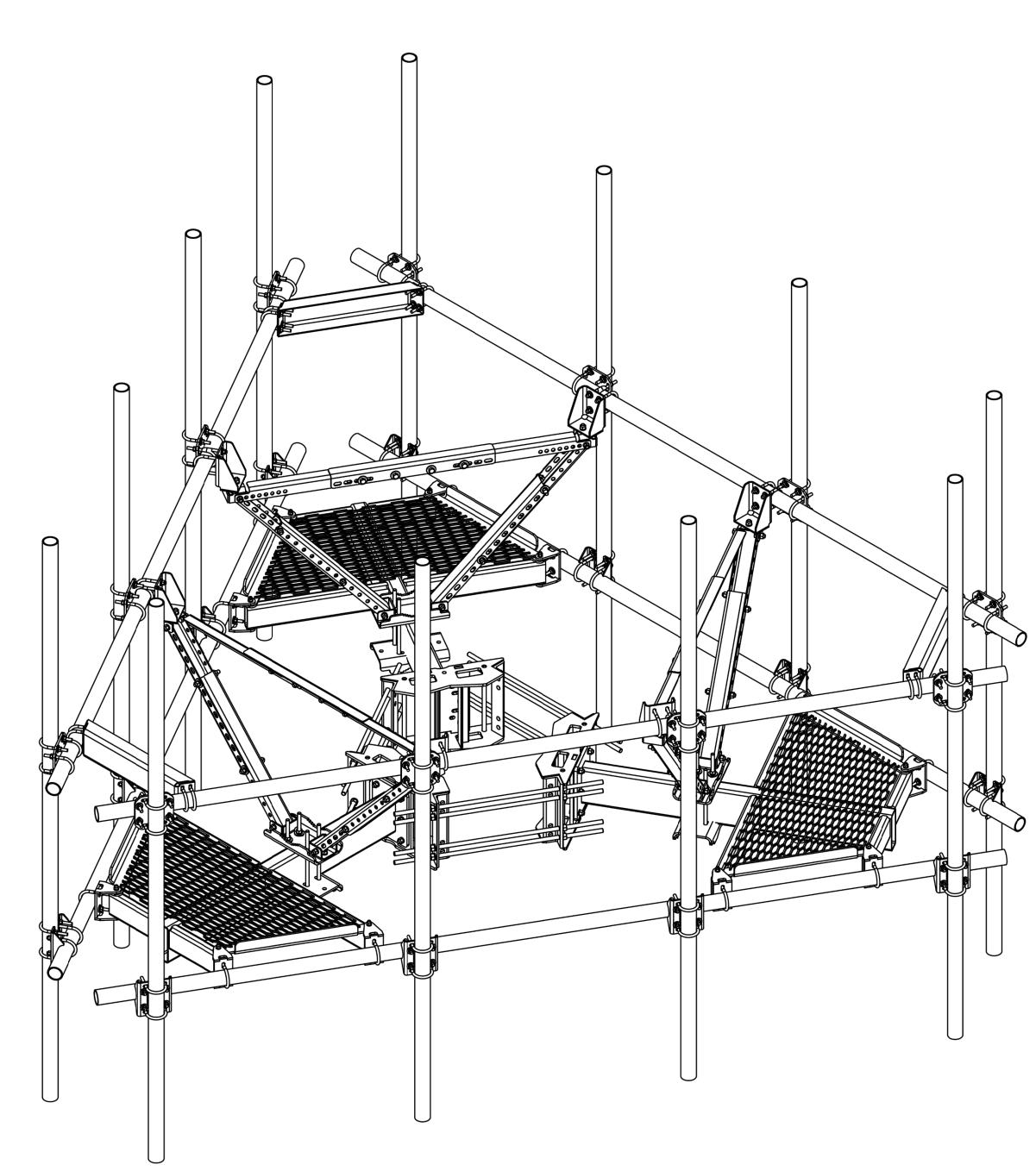
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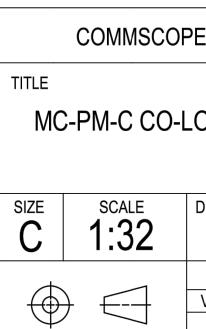




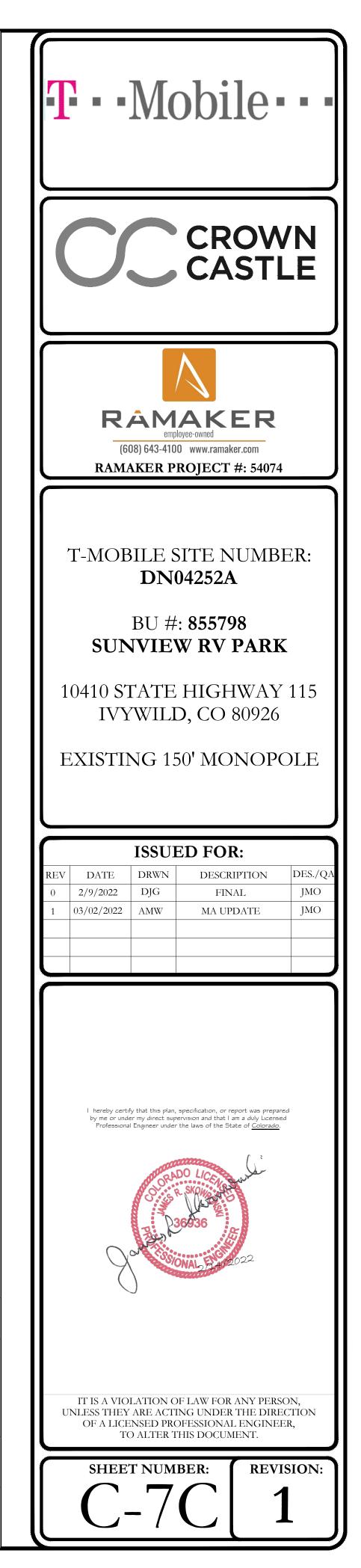




MC-PM14M-12C-126 WITH PVS-050B-U INSTALLED SHOWN FOR REFERENCE



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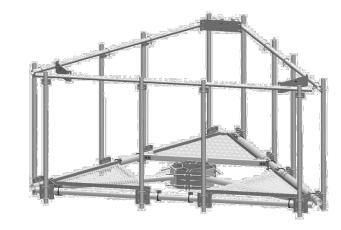


COMMSCOPE, INC. OF NORTH CAROLINA

MC-PM-C CO-LOCATION PLATFORM SERIES

DOCUMENT NO.						
	MC-P	M-C				
	DRAWING		SHEE			
VERSION	STATUS	REVISION				
01	RE		3 OF			

MT-195-12



Product Classification

Support rail kit

General Specifications

Sectors, quantity 3

Dimensions

Product Type

Height Face Width Width

185.42 mm | 7.3 in 3.81 m | 12.5 ft 3810 mm | 150 in

Material Specifications

Material Type

Hot dip galvanized steel

Packaging and Weights

Crossover angles (12) | Hardware | Rail Included Packaging quantity 108.998 kg | 240.3 lb Weight, net

Regulatory Compliance/Certifications

Agency

Classification



Included Products

XA-1919	 Crossover Angle, 1.9 in to 1.9 in O
XA-1920	 Crossover Angle, 1.9 in to 2.38 in 0
XA-2020	 Crossover Angle, 2-3/8 in to 2-3/8

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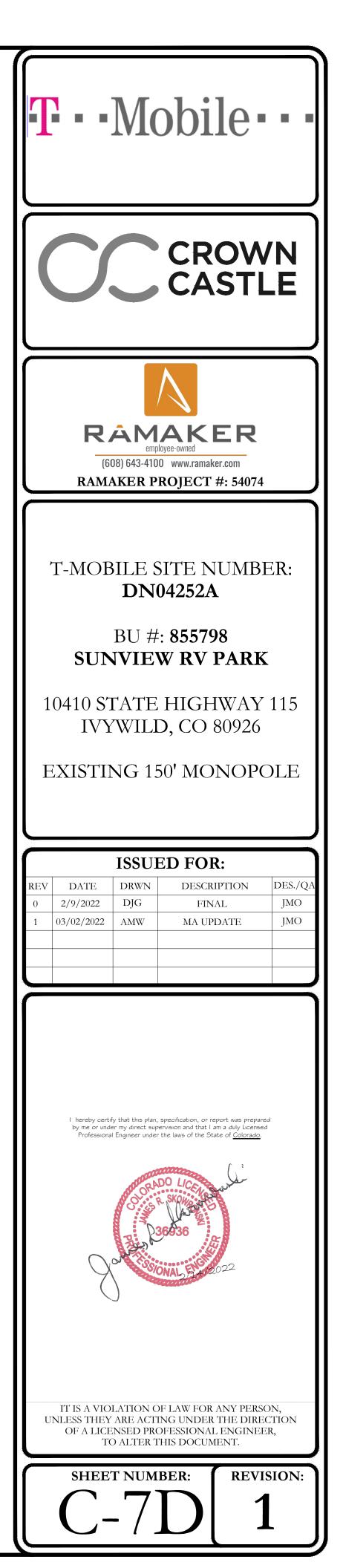
Upper Support Rail Kit for co-location platforms, 12 ft face

Designed, manufactured and/or distributed under this quality management system

DC OD 8 in

Page 1 of 2





	AC Distribution Panel - Layout Diagram																			
Breaker	Breaker				Breaker	Breaker														
Position	Туре	On/Off	Size	Circuit Label	Position	Туре	On/Off	Size	Circuit Label											
1	2P	ON	60	TVSS	13	1P	ON	20	TELCO/GFCI											
2	۷r		00	1 2 3 3	14	1P	ON	20	LIGHTS/GFCI											
3	2P	ON	40	RECT1.3	15	2P	OFF	60	BBU											
4	28	UN	40		16		UFF	00	000											
5	2P	ON	40 RECT2.4	40	40	40		LCT2 4 17	2P	OFF	50									
6		UN		18			50	UNLABELED												
7	חר												20	20	DECTE	19	1P	ON	20	BBU HVAC
8	2P	ON	20	RECT5	20															
9					21															
10					22															
11					23															
12					24															

EXISTING PANEL SCHEDULE

1				5011	
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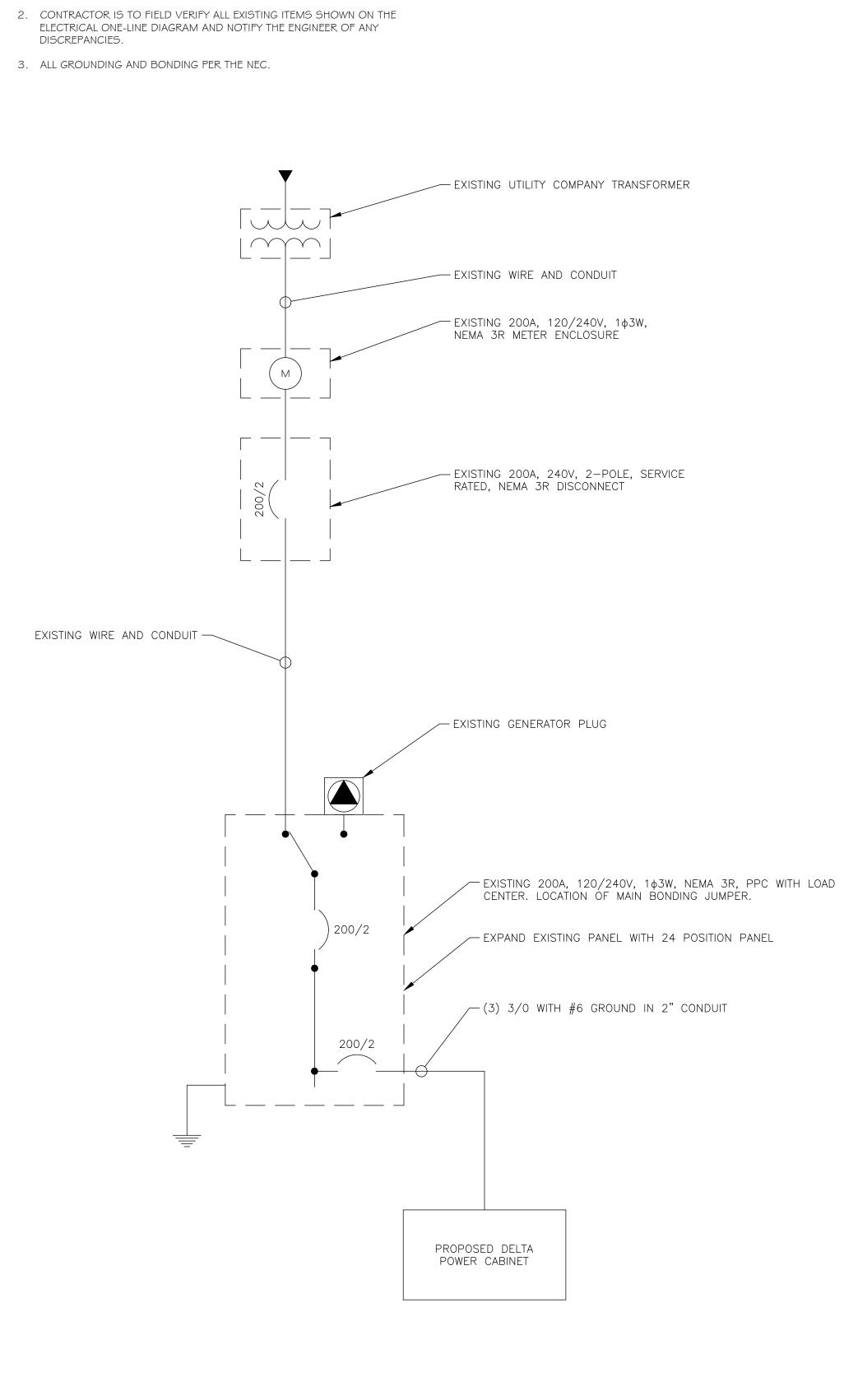
AC Distribution Panel - Layout Diagram Breaker Breaker Breaker Breaker On/Off Circuit Label On/Off Position Size Position Туре Туре ON 13 1P TVSS 2P ON 60 ON 14 1P 15 3 RECT1.3 OFF 2P ON 2P 40 16 17 RECT2.4 OFF 2P ON 2P 40 18 ON 19 1P RECT5 ON 2P 20 20 8 21 9 22 10 ON 2P 23 11 12 24

> PROPSED PANEL SCHEDULE \cap

SCALE: NOT TO SCALE

NOTES:

- I. ALL NEW CONDUCTORS TO BE INSTALLED SHALL BE COPPER. ALL CONDUCTORS SHALL BE THHW, THWN, THWN-2, XHHW, OR XHHW-2 UNLESS NOTED OTHERWISE.
- ELECTRICAL ONE-LINE DIAGRAM AND NOTIFY THE ENGINEER OF ANY



NONE LINE DIAGRAM

SCALE: NOT TO SCALE

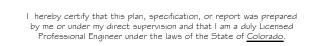
3

	Size	Circuit Label				
	20	TELCO/GFCI				
	20	LIGHTS/GFCI				
	60	BBU				
	50	UNLABELED				
	20	BBU HVAC				
	200	HPL3 MAIN POWER				



ISSUED FOR.

ISSUED FOR.							
REV	DATE	DRWN	DESCRIPTION	DES./QA			
0	2/9/2022	DJG	FINAL	ЈМО			
1	03/02/2022	AMW	MA UPDATE	ЈМО			





IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER: **REVISION:** , —

