T-Mobile® SF0659 ALMADEN VIA VALIENTE

SF70659M - ANCHOR

APPROVALS SIGNATUR	RE BLOCK		
THE FOLLOWING PARTIES HAVE REFERENCE	C <mark>ED THES</mark> E DRAWINGS:		
ALL DOCUMENTS ARE SUBJECT TO REVIEW DEPARTMENTS, AND MAY IMPOSE CHANGE			
			APPROVED
PROJECT MANAGER (PRINT)	PROJECT MANAGER	DATE	REJECTED
			APPROVED
RF ENGINEER (PRINT)	RF ENGINEER	DATE	REJECTED
			APPROVED
SITE ACQUISITION (PRINT)	SITE ACQUISITION	DATE	REJECTED
			APPROVED
TMO QUALITY ASSURANCE (PRINT)	TMO QUALITY ASSURANCE	DATE	REJECTED

II - Mobile ®

Stick Together®

SITE NUMBER: SF70659M - ANCHOR

SF0659 ALMADEN VIA VALIENTE SITE NAME:

G-1

G-2

SITE TYPE: ROOFTOP

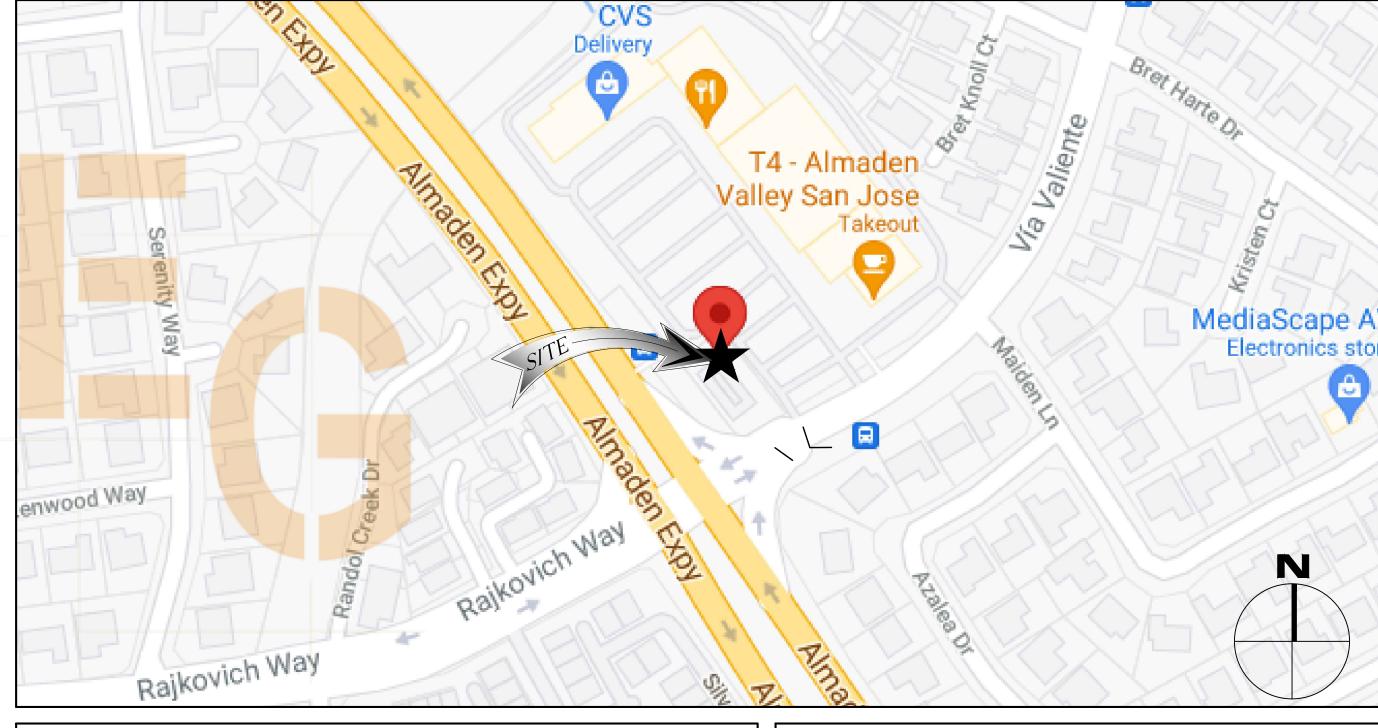
SAN JOSE CITY: **COUNTY:** SANTA CLARA JURISDICTION: CITY OF SANTA CLARA

SHEET INDEX: SHEET **DESCRIPTION ANCHOR SOW** T-1 TITLE SHEET T-2 **GENERAL NOTES AND SPECIFICATIONS** T-3 **GENERAL NOTES AND SPECIFICATIONS** A-1 **OVERALL SITE PLAN** A-1.1 ENLARGED SITE/ROOF PLAN A-2 ANTENNA & EQUIPMENT LAYOUT PLANS A-3 ARCHITECTURAL ELEVATIONS A-4 ARCHITECTURAL ELEVATIONS A-5 **EQUIPMENT DETAILS** A-6 **EQUIPMENT DETAILS** A-7 **EQUIPMENT DETAILS** RF-1 ANTENNA SCHEDULES RF-2 RFDS INFORMATION

GROUNDING PLAN AND SCHEMATIC

GROUNDING DETAILS

PANEL SCHEDULE & 1-LINE



CONSTRUCTION DRAWING

IF USING 11"X17" PLOT, DRAWINGS WILL BE HALF SCALE

PROJECT SUMMARY:

APPLICANT:

PROPERTY OWNER:

T-MOBILE WEST LLC 1855 GATEWAY BLVD, STE 900 CONCORD, CA 94520

ADDRESS: 18809 COX AVENUE SARATOGA, CA 95707 CONTACT: JELORA J. W. SANFILIPPO

SITE ADDRESS

6966 ALMADEN EXPRESSWAY SAN JOSE, CA 95120

- REMOVE (3) ANDREW DBXNH-6565B-A2M ANTENNAS (1 PER SECTOR

- INSTALL (3) ERICSSON AIR6449 B41 ANTENNA (1 PER SECTOR)
- INSTALL (3) RADIO 4460 B25+B66 (1 PER SECTOR)
- INSTALL (1) ENCLOSURE 6160 EQUIPMENT CABINET
- INSTALL (1) ENCLOSURE B160 POWER CABINET INSTALL (1) BASE BAND 6648 FOR L700/L600/N600
- INSTALL (3) HCS 6X24 CABLES
- INSTALL (1) BASE BAND 6648 FOR L2100 AND N2100
- INSTALL (1) PSU4813 INSTALL (1) IXRE ROUTER

701-53-038 ZONING:

LATITUDE: 37° 12' 36" N (37.21000000°)

LONGITUDE: 121° 50' 46" W (-121.84611100°) GROUND ELEVATION: ± 292' AMSL

CONSULTING TEAM:

PROJECT MANAGER:

PROJECT A&E:

SITE ACQUISITION

T-MOBILE PROJECT MANAGER T-MOBILE WEST LLC 1855 GATEWAY BLVD, STE 900 CONCORD, CA 94520 CONTACT: SUZY STEIGERT PHONE: (415) 991-9064 EMAIL: Suzy.Steigert2@T-Mobile.com

T-MOBILE CONSTRUCTION MANAGER:

T-MOBILE RF ENGINEER:

T-MOBILE WEST LLC 1855 GATEWAY BLVD, STE 900

T-MOBILE WEST LLC 1855 GATEWAY BLVD, STE 900 CONCORD, CA 94520 CONCORD, CA 94520 CONTACT: TBD CONTACT: TBD PHONE: TBD PHONE: TBD EMAIL: TBD EMAIL: TBD

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZ THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND ANY CHANGES AND MODIFICATIONS THEY MAY IMPOSE.

APPROVALS:

	PRINT NAME	<u>SIGNATURE</u>	DATE
LANDLORD			
ZONING REP.			
DEVELOP. MGR			
CONST. MGR			
PROJECT MGR			
ZONING MGR.			
RF ENGINEER			
OPERATIONS			
SAC REP.		_	

DIRECTIONS FROM CONCORD T-MOBILE OFFICE:

GET ON CA-242 S FROM CLAYTON RD TAKE I-680 S TO ALMADEN EXPY IN SAN JOSE. TAKE EXIT 6 FROM CA-85 N FOLLOW ALMADEN EXPY TO YOUR DESTINATION USE THE LEFT 3 LANES TO TURN LEFT ONTO ALMADEN EXPY USE THE LEFT LANE TO TURN LEFT ONTO VÍA VALIENTE

DESTINATION WILL BE ON THE LEFT.

APPLICABLE CODES

- 2019 CALIFORNIA ADMINISTRATIVE CODE.
- 2. 2019 CALIFORNIA BUILDING CODE (CBC).
- 3. 2019 CALIFORNIA ELECTRICAL CODE (CEC). 4. 2019 CALIFORNIA ENERGY CODE.
- 5. 2019 CALIFORNIA MECHANICAL CODE (CMC).
- 6. 2019 CALIFORNIA PLUMBING CODE (CPC).
- 7. ANSI/TIA-222-G LIFE SAFETY CODE NFPA-101
- 8. LOCAL BUILDING CODE. 9. 2019 CALIFORNIA FIRE CODE. (CFC)
- 10. 2019 CALIFORNIA GREEN BUILDING CODE

ANSI/TIA-222-G OR LATEST EDITION CURRENT LOCAL CODES AND AMENDMENTS IN THE EVENT OF

CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.

PROPRIETARY INFORMATION

THE UTILITIES SHOWN HEREIN ARE FOR THE CONTRACTORS CONVENIENCE ONLY.

SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL THE UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO THE (E) UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE

USA NORTH UNDERGROUND SERVICE ALERT SERVING CALIFORNIA AND NEVADA

CONTRACTOR.

THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER/SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS

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811

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THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAT THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

1855 GATEWAY BLVD, STE 900

DRAWN BY:	SA
CHECKED BY:	VB

REVISIONS					
NO.	DATE	DESCRIPTION	INITIAL		
Α	09/08/21	ISSUED FOR 90% CD REVIEW	SA		
NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET					

9969



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

> SHEET TITLE TITLE SHEET

ABBREVIATIONS ANCHOR BOLT JOINT ASPHALTIC CONCRETE AIR CONDITIONING LAMINATED **ADJUSTABLE** LBS POUNDS ABOVE FINISH FLOOR AFF LIGHT ARCH LIGHTNING ARRESTOR ARCHITECTURAL APPROX APPROXIMATELY LNA LOW NOISE AMPLIFIER ABOVE GRADE LEVEL MFR MANUFACTUREF A.M.S.L. ABOVE MEAN SEA LEVEL MAT MATERIAL MAX MAXIMUM BUILDING MECH MECHANICAL **BLOCKING** MINIMUM BLKG BOTTOM MISC **MISCELLANEOUS** BOT BASEMENT METAL LATH BTS BASE TRANSCEIVER MASONRY OPENING STATION MS MACHINE SCREW MTD MOUNTED COURSE(S) MTL METAL CEMENT **PROPOSED** CHAIN LINK **CEILING** NOT IN CONTRACT NO CLEAR NUMBER COLUMN NOT TO SCALE COL NTS CONCRETE CONST OA CONSTRUCTION OVERALL CONT O.C. CONTINUOUS ON CENTER CORR CORRIDOR OPNG OPENING CO **CONDUIT ONLY** OPP OPPOSITE PARTN **PARTITION** DIAMETER PLATE DOUBLE PLASTER DEPARTMENT PLYWOOD DEMC DEMOLITION POINT OF CONNECTION **PROP DIMENSION** PROPERTY DN DOWN PT PRESSURE TREATED DOOR DETAIL DRAWING REQD DWG REQUIRED RD **ROOF DRAIN EXISTING** RMROOM RMS ROOMS EACH **ELECTRIC** ROUGH OPENING ELEV ELEVATION SC SCHED **EQUIPMENT** SOLID CORE **EXPANSION** EXP SCHEDULE SECTION EXT **EXTERIOR** SECT SHT SHEET SIM FIRE ALARM SIMILAR FLAT BAR SPECS SPECIFICATIONS FINISH FLOOR STAINLESS STEEL FLAT HEAD FINISH(ED) STORAGE FLOOR` STRUCT STRUCTURAL FOS FACE OF STUDS SUSP SUSPENDED SWITCH FINISH SURFACE SW FOOT, FEET **SWITCHBOARD** SWBO FTG FOOTING THK THICK FINISH WALL TENANT IMPROVEMENT F.G. FINISH GRADE TMA TOWER MOUNTED AMPLIFIER **FUTURE** TOS TOP OF SURFACE TUBE STEEL **GAUGE** TYP TYPICAL **GALVANIZED** GLASS UNO **UNLESS NOTED** GRADE OTHERWISE GYPSUM **GFCI GROUND FAULT CIRCUIT** VINYL COMPOSITION TILE INTERRUPT VERTICAL GND V.I.F. **VERIFY IN FIELD** GROUND VG VERTICAL GRAIN **HOLLOW CORE** HARDWARE WITH HEATER WOOD **HOLLOW METAL** WATER RESISTANT HORIZONTAL HOUR HSS **HOLLOW STRUCTURAL** TRANSFORMER SECTION HEIGHT HIGH VOLTAGE CHANNEL CENTERLINE INSIDE DIMENSION INSULATION ANGLE INTERIOR PROPERTY LINE SECTION NUMBER **BUILDING SECTION** REFERENCE \ X-X√ SHEET NUMBER DETAIL NUMBER DETAIL REFERENCE \ X−X / SHEET NUMBER

SECTION NUMBER

SHEET NUMBER

DETAIL NUMBER

SHEET NUMBER

KEY NOTE REFERENCE

AREA AND/OR ROOM NUMBER

DOOR NUMBER

MECHANICAL UNIT

\ X-X√

DETAIL SECTION

EXTERIOR ELEVATION

REFERENCE

REFERENCE

PROPERTY LINE

—— E—— E—— ELECTRICAL SERVICE

—— E/T —— ELECTRICAL/TELCO SERVICE

—— T—— T—— TELCO SERVICE

—— ×—— ×—— FENCING

GENERAL

- 1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE BUILDING CODE AND ALL OTHER GOVERNING CODES. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.
- 2. THE CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES AS THEY MAY BE DISCOVERED IN THE PLANS, SPECIFICATIONS, & NOTES PRIOR TO STARTING CONSTRUCTION, INCLUDING BUT NOT LIMITED BY DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERROR, OMISSION, OR INCONSISTENCY AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER AND SHALL INCUR ANY EXPENSES TO RECTIFY THE SITUATION. THE METHOD OF CORRECTION SHALL BE APPROVED BY THE ARCHITECT/ENGINEER.
- 3. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR OR SUBCONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGE TO THE UTILITIES CAUSED DURING THE EXECUTION OF THE WORK. WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, UTILITIES SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW.
- 4. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND SHALL BE CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER.
- 5. A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORMATION AS THE APPROVED PLANS. THE CONTRACTOR SHALL ALSO MAINTAIN ONE SET OF PLANS AT THE SITE FOR THE PURPOSE OF DOCUMENTING ALL AS-BUILT CHANGES, REVISIONS, ADDENDUMS, OR CHANGE ORDERS. THE CONTRACTOR SHALL FORWARD THE AS-BUILT/HIRED DRAWINGS TO THE ARCHITECT/ENGINEER AT THE CONCLUSION OF THE PROJECT.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE THE WORK IS IN PROGRESS UNTIL THE JOB IS COMPLETE.
- 7. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER, AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER OR GOVERNING AGENCY.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON, NOR PROVIDE DIRECTION, AS TO SAFETY PRECAUTIONS AND PROGRAMS.
- 9. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCING AND COORDINATING ALL PORTIONS OF THE WORK UNDER THE PROJECT. FURTHERMORE, THE STRUCTURE IS DESIGNED AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS WITH RESPECT TO THE WORK TO COMPLETE THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE FILED BY THE OWNER OR HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN THE PERMIT AND MAKE FINAL PAYMENT OF SAID DOCUMENT(S).
- 11. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF LOAD IMPOSED ON THE STRUCTURAL FRAMING AND STRUCTURE DURING CONSTRUCTION. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED. TEMPORARY SHORING OR BRACING SHALL BE PROVIDED WHERE THE STRUCTURE OR SOIL HAS NOT ATTAINED THE DESIGN STRENGTH FOR THE CONDITIONS PRESENT. THE CONTRACTOR SHALL ALSO RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.
- 12. ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE UNLESS OTHERWISE NOTED.
- 13. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY FRAMING, BACKING, HANGERS, BLOCKING OR SUPPORTS FOR INSTALLATION OF ITEMS INDICATED ON THE DRAWINGS.
- 14. THE CONTRACTOR SHALL PROVIDE FIRE MARSHALL APPROVED MATERIALS TO FILL/SEAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.
- 15. PROPOSED CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR EXCEPT AS NOTED IN THE PLANS.
- 16. WHERE SPECIFIED, MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR RECORDING THE RESULTS.
- 17. ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.

18. ALL DEBRIS AND REFUGE IS TO BE REMOVED FROM THE PROJECT. PREMISES SHALL BE

LEFT IN A CLEAN BROOM FINISHED CONDITION AT ALL TIMES.

19. ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY

STANDARDS. IF A CONTRACTOR HAS A QUESTION REGARDING THEIR EXACT MEANING. THE

ARCHITECT/ENGINEER SHALL BE NOTIFIED FOR CLARIFICATIONS.

20. CONTRACTORS SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH

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MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.

21. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE PROPOSED PORTION OF THE WORK TO THE EXISTING WORK. THE CONTRACTOR SHALL MAKE ALL MEASUREMENTS NECESSARY FOR FABRICATION AND ERECTION OF STRUCTURAL MEMBERS. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.

GENERAL (CONTINUED)

- 22. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING (SHEET LS1), SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT/ ENGINEER PRIOR TO PROCEEDING WITH THE WORK. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY, THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT/ENGINEER.
- 23. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT/ ENGINEER. UNAUTHORIZED CHANGES RENDER THESE DRAWINGS VOID. THIS INCLUDES THAT THE CONTRACTOR SHALL NOT BE RELIEVED OF ANY DEVIATION FROM THE PLANS BY THE PROFESSIONAL'S OF RECORD REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC. UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION IN WRITING AT THE TIME OF SUBMISSION, AND THE PROFESSIONAL OF RECORD HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
- 24. ANY REFERENCE TO THE WORDS "APPROVED" OR "APPROVAL" IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE CONTRACTOR AND/OR HIS SUB-CONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFIED.
- 25. STAIR TREADS SHALL BE MARKED BY A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2-INCHES WIDE AND PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM THE NOSE OF THE STEP. ALL TREAD SURFACES SHALL BE SLIP RESISTANCE. NOSING SHALL NOT PROJECT MORE THAN 1-1/2 INCHES PAST THE FACE OF THE RISER BELOW.

SITE PREPARATION NOTES:

- 1. THE PREPARATION OF THE SITE FOR CONSTRUCTION SHALL INCLUDE THE REMOVAL OF ALL BROKEN CONCRETE, TREE TRUNKS AND ANY OTHER DEBRIS THAT WOULD BE DAMAGING TO THE FOOTINGS OF THE PROPOSED STRUCTURE.
- 2. ALL FOUNDATION FOOTINGS SHALL EXTEND INTO AND BEAR AGAINST NATURAL UNDISTURBED SOIL OR APPROVED COMPACTED FILL. FOOTINGS SHALL EXTEND INTO SOIL DEPTH INDICATED ON DETAILS.
- 3. SHOULD ANY LOOSE FILL, EXPANSIVE SOIL, GROUND WATER OR ANY OTHER DANGEROUS CONDITIONS BE ENCOUNTERED DURING THE EXCAVATION FOR THE PROPOSED FOUNDATION, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED AND ALL FOUNDATION WORK SHALL CEASE IMMEDIATELY.
- 4. THE SURFACE OF THE EXPOSED SUBGRADE SHALL BE INSPECTED BY PROBING OR TESTING TO CHECK FOR POCKETS OF SOFT OR UNSUITABLE MATERIAL. EXCAVATE UNSUITABLE SOIL AS DIRECTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY.
- 5. PROOFROLL THE SURFACE OF THE EXPOSED SUBGRADE WITH A LOADED TANDEM AXLE DUMP TRUCK. REMOVE ALL SOILS WHICH PUMP OR DO NOT COMPACT PROPERLY AS DIRECTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY.
- 6. FILL ALL EXCAVATED AREAS WITH APPROVED CONTROLLED FILL. PLACE IN 8" LOOSE LIFTS AND THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-698. COMPACT TO A MINIMUM OF 90% RELATIVE COMPACTION. ADEQUATE DRAINAGE SHALL BE PROVIDED SUCH THAT NO PONDING OCCURS AFTER THESE RECOMMENDATIONS ARE APPROVED BY THE ARCHITECT/ENGIENEER.
- 7. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO PROPOSED OR EXISTING SURFACES, STRUCTURES OR EQUIPMENT SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE PROPERTY OWNER. THE CONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGED AREAS.
- 8. BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.

SUBMITTALS

SUBMITTALS: SUBMITTALS FOR SHOP DRAWINGS, MILL TESTS, PRODUCT DATA, ETC. FOR ITEMS DESIGNED BY THE ARCHITECT/ ENGINEER OF RECORD SHALL BE MADE TO THE ARCHITECT/ENGINEER PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REVIEW THE SUBMITTAL BEFORE FORWARDING TO THE ARCHITECT. SUBMITTALS SHALL BE MADE IN TIME TO PROVIDE A TWO-WEEK REVIEW PERIOD FOR THE ARCHITECT/ ENGINEER. SUBMITTALS REQUIRED FOR EACH SECTION OF THESE NOTES ARE SPECIFIED IN THAT SECTION.

SHOP DRAWING REVIEW

REVIEW BY THE ARCHITECT/ENGINEER IS FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT AND THE CONTRACT DOCUMENTS. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, NOR DEPARTURES THEREFROM. THE CONTRACTOR REMAINS RESPONSIBLE FOR DETAILS AND ACCURACY, FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FOR SELECTING FABRICATION PROCESSES, ETC. WHEN SHOP DRAWINGS DIFFER FROM OR ADD TO THE REQUIREMENTS OF THE STRUCTURAL DRAWINGS THEY SHALL BE DESIGNED AND STAMPED BY A SPECIALTY STRUCTURAL ENGINEER (SSE)

FIRE DEPARTMENT NOTES

- 1. SCHEDULE REQUIRED FINAL FIRE DEPARTMENT INSPECTION 2 DAYS IN ADVANCE.
- 2. A UNIFORM FIRE CODE PERMIT TO OPERATE BATTERY SYSTEMS WITH STATIONARY LEAD-ACID BATTERIES MAY BE REQUIRED AND ISSUED BY FIRE INSPECTOR.
- 3. AN APPROVED METHOD TO NEUTRALIZE SPILLED ELECTROLYTE SHALL BE PROVIDED IN THE BATTERY ROOM (IF APPLICABLE)
- 4. LOCATIONS AND CLASSIFICATIONS OF FIRE EXTINGUISHERS SHALL BE IN ACCORDANCE WITH THE UNIFORM FIRE CODE STANDARD 10-1 AND PLACEMENT IS SUBJECT TO THE APPROVAL OF THE FIRE INSPECTOR.
- 5. CONTRACTOR SHALL POST PERMANENT SIGNAGE IN A CONSPICUOUS LOCATION AT THE SITE IDENTIFYING WHOM SHOULD BE CALLED IN AN EMERGENCY WITH PHONE NUMBERS AND SITE-IDENTIFYING INFORMATION (SUCH AS ADDRESS, SITE #, ETC.) FOR FIRE DEPARTMENT EMERGENCY USE.
- 6. A HAZARDOUS MATERIALS IDENTIFICATION SIGN IS REQUIRED FOR ALL ENTRANCES INTO BATTERY STORAGE AREAS. LETTERS MUST BE 1" IN HEIGHT AND IN A COLOR WHICH CONTRASTS WITH THE BACKGROUND OF THE SIGN AND LIST THE FOLLOWING: "BATTERY CABINET, LEAD ACID BATTERIES INSIDE"
- 7. PROVIDE 2A:40BC FIRE EXTINGUISHER, OR OTHER EQUIVALENT, IN RECESSED OR SEMI-RECESSED CABINET MOUNTED AT 48" AFF MAXIMUM TO TOP OF CABINET. IF CONSTRUCTION MATERIALS ARE NOT AMENABLE TO RECESSING THE CABINET, SURFACE MOUNTED CABINETS MAY BE APPROVED. CABINETS SHALL HAVE AN OPENABLE DOOR THAT DOES NOT REQUIRE BREAKAGE OF GLASS. EXTINGUISHERS SHALL BE HUNG ON THEIR HOOKS IN THE CABINETS.

FLASHING AND SHEET METAL

- 1. ALL FLASHING, COUNTER FLASHING, COPING AND ALL OTHER SHEET METAL SHALL BE OF NOT LESS THAN NO. 20 U.S. GAUGE CORROSION-RESISTANT METAL U.N.O. ALL METAL MUST BE GALVANIZED AFTER FABRICATION.
- 2. FLASH AND COUNTER FLASH AT ALL ROOF TO WALL CONDITIONS. G.I. FLASH AND CAULK WOOD BEAMS AND OUTLOOKERS PROJECTING THROUGH EXTERIOR WALLS OR ROOF SURFACES.
- 3. FLASH ALL EXTERIOR OPENINGS WITH APPROVED WATERPROOFING, WHICH CONFORMS TO THE STANDARDS OF LOCAL AND STATE CODES.
- 4. ALL CONNECTIONS TO BUILDING WALLS OR ROOFS MUST BE FLASHED AND MADE WATERTIGHT USING LIKE MATERIALS IN ACCORDANCE WITH NRCA ROOFING STANDARDS AND DETAILS. CONTRACTOR SHALL OBTAIN DETAILING CLARIFICATION FOR SITE-SPECIFIC CONDITIONS FROM ARCHITECT/ENGINEER, IF NECESSARY, BEFORE PROCEEDING. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE.

<u>PAINTING</u>

- 1. THE CONTRACTOR SHALL PREPARE SURFACES, FURNISH ALL PAINT, MATERIAL, LABOR AND EQUIPMENT FOR THE PAINTING OF ALL SURFACES AS REQUIRED.
- 2. ALL PAINTS TO BE APPLIED IN WORKMANLIKE MANNER. AT COMPLETION, REMOVE ALL MATERIALS AND DEBRIS CAUSED BY THIS CONTRACTOR. ALL FLOORS, GLASS, HARDWARE, FRAMES, FIXTURES, ETC SHALL BE THOROUGHLY CLEANED OF PAINT.
- 3. ALL STEEL COLUMNS AND MISC. METALS SHALL BE PRIMED AND PAINTED.
- 4. FIRE PREVENTION: TAKE EVERY PRECAUTION AT THE END OF THE DAY TO REMOVE OILY RAGS AND COMBUSTIBLE MATERIALS FROM THE SITE OR STORE IN METAL CONTAINER WITH TIGHT COVERS.
- 5. FINAL TEXTURE & COLOR PER OWNER'S INSTRUCTIONS.
- 6. SHOP PAINTING: CONFORM TO AISC SPECIFICATION SEC M2 AND AISC CODE SEC. 6.5. DO NOT PRIME SURFACES TO BE FIREPROOFED, IN CONTACT WITH CONCRETE, OR FIELD WELDED. STEEL WORK TO BE CONCEALED BY INTERIOR BUILDING FINISHES OR IN CONTACT WITH CONCRETE DOES NOT REQUIRE PAINTING. ALL OTHER STEEL WORK SHALL BE GIVEN ONE COAT OF SHOP PAINT.
- 7. ALL VISIBLE ANTENNAS, ANTENNA SUPPORT STRUCTURES, CABLE TRAYS, EQUIPMENT MUST BE PAINTED TO BLEND WITH SURROUNDING ELEMENTS U.N.O

THERMAL & MOISTURE PROTECTION INSULATION

- 1. COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE STATE ENERGY REGULATIONS.
- 2. PROVIDE R-13 MINIMUM KRAFT-FACED BATT. INSULATION AT WALLS UNLESS NOTED OTHERWISE, AND R-19 MINIMUM AT CEILINGS TO COMPLETELY ENCLOSE EQUIPMENT ROOM. PLACE VAPOR BARRIERS ON WARM SIDE OF WALL.
- 3. INSULATE WALLS BETWEEN EQUIPMENT ROOM AND ADJACENT ROOMS. INSULATE BETWEEN JAMBS AND FRAMING, BEHIND HEADER JOISTS AND IN SOFFITS OVER EXTERIOR SPACE.
- 4. PENETRATIONS OF ROOF MEMBRANES SHALL BE PATCHED/FLASHED AND MADE WATERTIGHT USING LIKE MATERIALS IN ACCORDANCE WITH NRCA ROOFING STANDARDS AND DETAILS. CONTRACTOR SHALL OBTAIN DETAILING CLARIFICATION FOR SITE-SPECIFIC CONDITIONS FROM ARCHITECT/ENGINEER, IF NECESSARY, BEFORE PROCEEDING. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE.

ACCESSIBILITY NOTE

THE TELECOMMUNICATIONS EQUIPMENT SPACE SHOWN ON THESE PLANS IS NOT CUSTOMARILY OCCUPIED. WORK TO BE PERFORMED IN THIS FACILITY CANNOT REASONABLY BE PERFORMED BY PERSONS WITH A SEVERE IMPAIRMENT: MOBILITY, SIGHT, AND/OR HEARING. THEREFORE, PER 2016 CALIFORNIA BUILDING CODE SECTION 11B-203.5, EXCEPTION 1, THIS FACILITY SHALL BE EXEMPTED FROM ALL TITLE 24 ACCESS REQUIREMENTS.

BATTERY INFORMATION BATTERY STORAGE STATIONARY TOTAL # OF **TOTAL BATTERY** KWh, Kilowatt-hours = SYSTEM ELECTROLYTE ELECTROLYTE BY BATTERY STORAGE **BATTERY UNITS** VOLTAGE (V) AMP-HOURS (AH) BATTERY MODEL **INSTALL STATUS** THRESHOLD (V*AH)/1000 CAPACITY, KWh SYSTEM CODE OLUME (GALLONS) VOLUME (GALLONS) INSTALLED (E) QUANITITY, PER CFC PER UNIT CHECK SECTION 1206 (KWh) EXISTING TO BE N/A N/A N/A N/A N/A N/A REMOVED **EXISTING TO** N/A N/A N/A N/A N/A N/A REMAIN NORTHSTAR - NSB PROPOSED 12 190 2.28 27.36 2.03 24.36 190FT HT RED CFC SECTION 1206 TOTAL 27.36 24.36 DOES NOT APPLY



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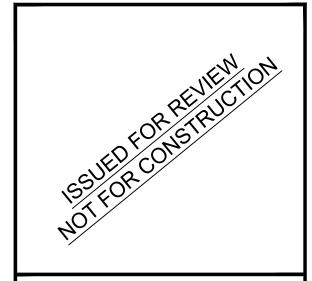
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IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

SHEET TITLE

GENERAL NOTES AND SPECIFICATIONS

1. ALL LUMBER SHALL BE GRADE MARKED DOUGLAS FIR-LARCH AND SHALL HAVE THE FOLLOWING MINIMUM GRADES:

JOISTS AND RAFTERS BEAMS AND STRINGERS PLATES STUDS (2X4, 3X4, 2X6) POSTS, COLUMNS AND TIMBER

2. ALL FRAMING EXPOSED TO THE WEATHER OR IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE-TREATED IN ACCORDANCE WITH THE AMERICAN WOOD PRESERVERS ASSOCIATION SPECIFICATIONS. WHERE POSSIBLE, ALL CUTS AND HOLES SHOULD BE COMPLETED BEFORE TREATMENT CUTS AND HOLES DUE TO ON-SITE FABRICATION SHALL BE BRUSHED WITH 2 COATS OF COPPER NAPHTHENATE SOLUTION CONTAINING A MINIMUM OF 2% METALLIC COPPER IN SOLUTION (PER AWPA STD.

3. CUTTING OR NOTCHING OF WOOD STUDS OR PLATES SHALL NOT EXCEED 25% OF THE STUD/PLATE WIDTH AT EXTERIOR OR BEARING WALLS AND SHALL NOT EXCEED 40% OF THE STUD/PLATE WIDTH IN NONBEARING PARTITIONS. BORED HOLE DIAMETERS ARE LIMITED TO 40% OF THE STUD WIDTH IN ANY STUD AND MAY BE 60% IN NONBEARING PARTITIONS OR WHEN THE BORED STUD IS DOUBLED.

4. DO NOT NOTCH JOISTS, RAFTERS, OR BEAMS EXCEPT WHERE SHOWN ON THE DETAILS. BORED HOLES THROUGH JOISTS SHALL NOT EXCEED 1/3 OF MEMBER DEPTH AND BE LOCATED AT LEAST 2" FROM THE TOP AND BOTTOM OF THE MEMBER.

5. ALL BLOCKING AND BRIDGING SHALL BE PROVIDED AS REQUIRED PER GOVERNING CODE OR STANDARD

6. ALL JOIST, RAFTER & MISC. FRAMING SHALL HAVE FULL-DEPTH (OR METAL) BRIDGING AT ALL SUPPORTS, MIDSPAN AND AT A MAXIMUM SPACING OF 8'-0" O/C IN BETWEEN UNLESS NOTED OTHERWISE.

7. PROVIDE DOUBLE JOISTS UNDER ALL PARTITIONS THAT ARE PARALLEL TO JOISTS. USE 2-16D NAILS AT 16" O.C. TO NAIL DOUBLE JOISTS TOGETHER.

8. THE CONTRACTOR SHALL CAREFULLY SELECT LUMBER TO BE USED IN LOADBEARING APPLICATIONS. THE LENGTH OF SPLIT ON THE WIDE FACE OF 2" NOMINAL LOADBEARING FRAMING SHALL BE LIMITED TO LESS THAN 1/2 OF THE WIDE FACE DIMENSION. THE LENGTH OF SPLIT ON THE WIDE FACE OF 3" (NOMINAL) AND THICKER LUMBER SHALL BE LIMITED TO 1/2 OF THE NARROW FACE DIMENSION.

9. BOLT HOLES SHALL BE CAREFULLY CENTERED AND DRILLED NOT MORE THAN 1/16" LARGER THAN THE BOLT DIAMETER. PROVIDE WASHERS BETWEEN BOLT HEADS OR NUTS AND WOOD. BOLTED CONNECTIONS SHALL BE SNUGGED TIGHT BUT NOT TO THE EXTENT OF CRUSHING WOOD UNDER WASHERS.

10. ALL BOLTS SHALL BE RE-TIGHTENED PRIOR TO APPLICATION OF PLASTER, PLYWOOD, ETC. AND BEFORE CLOSING IN COMPLETION OF THE JOB.

11. PREFABRICATED METAL JOIST HANGERS, HURRICANE CLIPS, HOLD-DOWN ANCHORS AND OTHER ACCESSORIES SHALL BE AS MANUFACTURED BY "SIMPSON STRONG-TIE COMPANY" OR APPROVED EQUAL. INSTALL ALL ACCESSORIES PER THE MANUFACTURER'S REQUIREMENTS. ALL STEEL SHALL HAVE A MINIMUM THICKNESS OF 0.04 INCHES (PER ASTM A446, GRADE A) AND BE GALVANIZED (COATING G60).

12. STRUCTURAL STEEL PLATE CONNECTORS SHALL CONFORM TO ASTM A-36 SPECIFICATIONS AND BE 1/4" THICK UNLESS OTHERWISE INDICATED.

13. ALL PLATES, ANCHORS, NAILS, BOLTS, NUTS, WASHERS, AND OTHER MISCELLANEOUS HARDWARE THAT ARE EXPOSED OR IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIP GALVANIZED.

14. BOLTS IN WOOD SHALL BE A MINIMUM OF 7 BOLT DIAMETERS FROM THE ENDS AND 4 BOLT DIAMETERS FROM THE EDGES.

15. ALL SILL BOLTS SHALL BE PLACED STARTING 9" FROM THE ENDS OF A BOARD OR FROM A NOTCH AND SPACED AT INTERVALS AS NOTED ON THE PLANS.

16. ALL SILL PLATE ANCHOR BOLTS AND HOLD-DOWN CONNECTOR BOLTS AT ALL PLYWOOD SHEAR PANELS SHALL HAVE THE FOLLOWING PLATE WASHERS.

BOLT SIZE PLATE WASHER SIZE (ASTM A-36) 0.229" X 3" X 3" 5/16" X 3" X 3" 5/16" X 3" X 3" 3/8" X 3-1/2" X 3-1/2"

17. TOP PLATES FOR ALL STUD WALLS SHALL BE 2-2X. MINIMUM TOP PLATE LAP SHALL BE 48" WITH 16d NAILS AT 4" O.C. EACH SIDE OF SPLICE U.N.O. SPLICES IN UPPER AND LOWER PLATES SHALL BE STAGGERED 10'

IS LESS THAN 10'-0". WHEN HEIGHT BETWEEN LATERAL SUPPORTS MORE THAN 10'-0", USE 2X6 STUDS AT 16" O.C. WITH FULL DEPTH BLOCKING AT NOT MORE THAN 8' VERTICAL INTERVAL.

19. ALL NAILS SHALL BE COMMON WIRE NAILS U.N.O. SEE FRAMING PLANS OR DETAILS FOR NAIL SIZES AND SPACING. NAILS THAT ARE NOT DETAILED OR NOTED SHALL BE IN ACCORDANCE WITH IBC TABLE 2304.9.1. FASTENING SCHEDULE. HOLES FOR NAILS SHALL BE PREDRILLED AT A SMALLER DIAMETER THAN THE NAIL WHERE NECESSARY TO PREVENT SPLITTING.

20. LAG BOLTS SHALL HAVE LEAD HOLES BORED AS FOLLOWS: SHANK PORTION SAME DIAMETER AND LENGTH AS SHANK THREADED PORTION 0.6-0.75 OF DIAMETER OF THREAD

PLYWOOD SHEATHING NOTES

1. ALL PLYWOOD CONSTRUCTION SHALL BE IN ACCORDANCE WITH (APA) AMERICAN PLYWOOD ASSOCIATION SPECIFICATIONS AND COMPLY WITH PS1-07 OR PS2-04.

2. ALL ROOF PANEL SHEATHING SHALL BE 5/8" (NOM.) TYPE CDX. EXP. 1 APA RATED SHEATHING. SUITABLE EDGE SUPPORT SHALL BE PROVIDED BY USE OF PANEL CLIPS OR BLOCKING BETWEEN FRAMING. CONNECT ROOF SHEATHING WITH 8d COMMON NAILS AT 6" O/C AT SUPPORTED PANEL EDGES AND 12" O/C AT INTERMEDIATE SUPPORTS U.N.O.

3. ALL WALL PANEL SHEATHING SHALL BE 1/2" (NOM.) TYPE CDX. EXP. 1 APA RATED SHEATHING ATTACHED WITH 10d COMMON NAILS SPACED 6" O/C AT SUPPORTED PANEL EDGES AND 12" O/C AT INTERMEDIATE SUPPORTS U.N.O.

4. INSTALL ALL PLYWOOD SHEATHING WITH THE LONG DIMENSION OF THE PANEL ACROSS SUPPORTS AND WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS. STAGGER PANEL END JOINTS. ALLOW 1/8" SPACING AT PANEL ENDS AND EDGES UNLESS OTHERWISE RECOMMENDED BY THE SHEATHING MANUFACTURER.

5. ALL NAILING SHALL BE CAREFULLY DRIVEN AND NOT OVERDRIVEN. THE USE OF STAPLES AND PNEUMATIC NAIL GUNS ARE PROHIBITED FROM USE

6. ALL EXTERIOR EXPOSED PLYWOOD SHALL BE MARINE GRADE

FIRE RESISTANCE REQUIREMENTS

1. ALL MASONRY SHALL HAVE MINIMUM COMPRESSIVE STRENGTH I'M OF 1,500 PSI

2. MASONRY UNITS SHALL BE NORMAL WEIGHT BLOCK CONFORMING TO ASTM C90, GRADE N, TYPE 1, AND SHALL HAVE A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 1900 PSI. CONCRETE MASONRY UNITS MUST BE TESTED IN ACCORDANCE WITH ASTM C140.

3. MORTAR SHALL BE MACHINE MIXED CONFORMING TO ASTM C270, TYPE S. MORTAR SHALL BE FRESHLY PREPARED AND UNIFORMLY MIXED AND SHALL BE PROPORTIONED PER BUILDING CODE TABLE 2103.8(1) AND 2103.8(2).

4. GROUT SHALL CONFORM TO ASTM C476 AND BE PROPORTIONED PER BUILDING CODE TABLE 2103.12. MINIMUM GROUT COMPRESSIVE STRENGTH SHALL EQUAL OR EXCEED THE GREATER OF 2,000 PSI OR THE

5. REINF'G BARS SHALL CONFORM TO ASTM A706 OR ASTM A615, GRADE 60 U.N.O.

6. CONTINUOUS WIRE REINFORCING (JOINT REINFORCING) SHALL BE GALVANIZED TRUSS OR LADDER TYPE FORMED FROM 9 GAUGE COLD-DRAWN STEEL WIRE COMPLYING WITH ASTM A82.

7. ALL MASONRY BLOCKS SHALL CONFORM WITH EACH OTHER IN COLOR, TEXTURE AND SIZE WHERE APPLICABLE. BLOCK SIZE, COLOR, TYPE AND TEXTURE SHALL BE AS INDICATED ON THE DRAWINGS. PROVIDE ACCESSORY BLOCKS AS INDICATED AND REQUIRED. WHERE CUTTING IS REQUIRED, BLOCKS

8. COURSING SHALL BE COMMON RUNNING BOND (UNLESS NOTED OTHERWISE), WITH 3/8" GROUT JOINT. JOINTS SHALL BE TOOLED CONCAVE AND BE UNIFORM IN SIZE. USE CARE TO PREVENT MORTAR AND GROUT SPILLAGE ON THE FACE OF THE MASONRY. CLEAN SUCH SPILLAGE IMMEDIATELY. REPAIR ANY DAMAGE OR INTERSTICES BETWEEN BLOCKS AND REMOVE STAINS AT THE COMPLETION OF WORK.

9. TIE INTERSECTING WALLS BY OVERLAPPING UNITS IN ALTERNATE COURSES. ROUGHEN AND CLEAN CONCRETE BEARING SURFACES FOR THE PLACEMENT OF THE FIRST COURSE. VERTICAL HEAD JOINTS SHALL BE FILLED SOLID AND SHOVED TIGHTLY TO PROVIDE BOND TO BOTH BLOCKS.

10. AT VERTICAL REINFORCING LOCATIONS, PROVIDE DOWELS FROM FOOTING TO MATCH SIZE AND SPACING OF VERTICAL WALL REINFORCING. DOWELS SHALL BE EMBEDDED INTO THE FOOTING A MINIMUM OF 9" AND SHALL HAVE A 90 DEGREE HOOK. DEEPEN FOOTING WHERE REQUIRED FOR DOWEL. WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL BLOCK CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN 6 VERTICAL.

11. SPLICED BARS (INCLUDING DOWELS) SHALL BE LAPPED 48 BAR DIAMETERS MINIMUM OR 24", WHICHEVER IS GREATER. SPLICED BARS SHALL BE WIRE-TIED.

12. VERTICAL REINFORCING BARS SHALL HAVE A MINIMUM CLEARANCE OF 3/4" FROM THE MASONRY AND NOT LESS THAN ONE DIAMETER BETWEEN BARS.

13. BOND BEAMS WITH A HORIZONTAL BAR OR BARS SHALL BE PROVIDED AT 48 INCHES ON CENTER AND AT ALL FLOOR AND ROOF LINES AND AT THE TOP OF THE WALL. PROVIDE A BOND BEAM WITH A HORIZONTAL BAR OR BARS OVER ALL OPENINGS, AND EXTEND THESE BARS 2'-0' PAST THE OPENING AT EACH SIDE. PROVIDE A BAR OR BARS VERTICALLY FOR THE FULL HEIGHT OF THE WALL AT EACH SIDE OF OPENINGS, WALL ENDS AND INTERSECTIONS. PROVIDE CORNER BARS TO MATCH THE HORIZONTAL WALL REINFORCING AT WALL INTERSECTIONS.

14. REINFORCING STEEL SHALL BE SECURED IN PLACE BEFORE GROUTING BEGINS. VERTICAL BARS SHALL BE HELD IN POSITION AT THE TOP, BOTTOM AND AT INTERVALS NOT EXCEEDING 200 DIAMETERS OF THE REINFORCING BAR, NOR 10 FEET.

15. SEE DRAWINGS FOR LOCATION OF VERTICAL CONTROL JOINTS. HORIZONTAL BOND BEAM AND LINTEL REINFORCING SHALL BE CONTINUOUS ACROSS VERTICAL CONTROL JOINTS.

16. ALL CELLS SHALL BE GROUTED SOLID. GROUTING OF MASONRY BEAMS AND LINTELS SHALL BE DONE IN ONE CONTINUOUS OPERATION. GROUTING SHALL BE STOPPED 1-1/2" BELOW THE TOP OF A COURSE SO AS TO FORM A KEY AT THE POUR JOINT. FILL CELLS WITH GROUT WITH MAXIMUM 4'-0" LIFTS. VERTICAL CELLS SHALL HAVE A VERTICAL ALIGNMENT TO MAINTAIN A CONTINUOUS UNOBSTRUCTED CELL AREA NOT LESS THAN 3"X4".

17. ALL ISOLATED BOLTS EMBEDDED IN MASONRY SHALL BE GROUTED SOLIDLY IN PLACE WITH NOT LESS THAN 2" OF GROUT SURROUNDING THE BOLT.

18. PROVIDE BOND BEAM LINTELS AND BRICK SHELF ANGLES ABOVE ALL WALL OPENINGS PER DETAILS. SEE THE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL OPENINGS.

19. THE MASONRY CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY WALL BRACING DURING

18. ALL WOOD STUD WALLS SHALL HAVE 2X4 STUDS AT 16" O.C. WHEN HEIGHT BETWEEN LATERAL SUPPORTS 20. ALL RETAINING WALLS SHALL HAVE AT LEAST 12" OF FREE-DRAINING GRANULAR BACKFILL, FULL HEIGHT OF WALL. PROVIDE CONTROL JOINTS IN RETAINING WALLS AT APPROXIMATELY EQUAL INTERVALS NOT TO EXCEED 25 FEET NOR 3 TIMES THE WALL HEIGHT. PROVIDE EXPANSION JOINTS AT EVERY FOURTH CONTROL JOINT, UNLESS OTHERWISE INDICATED. SEAL RETAINING FACE OF WALL AND FOOTING WITH 2 COATS OF HENRY'S 502 ASPHALTIC MASTIC. PROVIDE CONTINUOUS INSPECTION.

FOUNDATIONS - GENERAL

1. BOTTOM OF EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 18" BELOW FINAL GRADE AND BEAR ON FIRM NATIVE OR PROPERLY COMPACTED SOILS.

2. FOOTINGS MAY BE POURED INTO AN EARTH-FORMED TRENCH IF SOIL CONDITIONS PERMIT.

3. ALL BEARING MATERIAL SHALL BE INSPECTED BY THE INDEPENDENT TESTING AGENCY PRIOR TO CONCRETE PLACEMENT. THE INDEPENDENT TESTING AGENCY SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED AS REQUIRED.

4. FOUNDATION CONCRETE SHALL HAVE REACHED A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI BEFORE BEING LOADED. STRENGTHS SHALL BE VERIFIED BY TEST.

5. FOUNDATION WALLS THAT RETAIN EARTH SHALL BE BRACED AGAINST BACKFILLING PRESSURES UNTIL THE SLABS AT TOP AND BOTTOM ARE IN PLACE AND CURED AS REQUIRED.

6. WHERE WALLS ARE TO HAVE EARTH PLACED ON EACH SIDE, SIMULTANEOUSLY PLACE FILL SO AS TO MAINTAIN A COMMON ELEVATION ON EACH SIDE OF WALL.

7. CONTRACTOR SHALL PROVIDE ALL SHORING AS REQUIRED.

8. ALL RETAINING WALLS SHALL HAVE AT LEAST 12" OF FREE-DRAINING GRANULAR BACKFILL FULL HEIGHT OF WALL. SEAL RETAINING FACE OF WALL AND FOOTING WITH 2 COATS OF HENRY'S 502 ASPHALTIC MASTIC. PROVIDE CONTINUOUS INSPECTION.

9. CONTRACTOR SHALL PROVIDE TEMPORARY AND PERMANENT DEWATERING FOR SURFACE WATER, GROUND WATER AND SEEPAGE WATER AS REQUIRED.

10. CONTRACTOR SHALL PROTECT ALL UTILITY LINES, ETC ENCOUNTERED DURING EXCAVATIONS AND BACKFILLING. ALL BACKFILL SHALL BE PROPERLY COMPACTED.

11. ALL FOOTINGS HAVE BEEN DESIGNED BASED UPON AN ASSUMED SOIL BEARING PRESSURE OF 1,000 PSF UNLESS NOTED OTHERWISE

STRUCTURAL STEEL

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST REVISED EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION, WHICH INCLUDES SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS. CODE OF STANDARD PRACTICE AND AWS STRUCTURAL WELDING CODE. IDENTIFY AND MARK STEEL PER CBC 2203.

2. STRUCTURAL STEEL SHOP DRAWINGS SHALL BE REVIEWED BY THE ENGINEER/ ARCHITECT PRIOR TO FABRICATION.

3. GROUTING OF COLUMN BASE PLATES: BASE PLATES SHALL BE DRYPACKED OR GROUTED WITH NON-SHRINK, NON-FERROUS GROUT. MINIMUM COMPRESSIVE STRENGTH SHALL BE 4,000 PSI AT 28 DAYS. ALL SURFACES SHALL BE PROPERLY CLEANED OF FOREIGN MATERIAL PRIOR TO GROUTING.

4. ALL EXPOSED WELDS SHALL BE FILLED AND GROUND SMOOTH WHERE METAL COULD COME IN CONTACT WITH THE PUBLIC.

5. NO HOLES OTHER THAN THOSE SPECIFICALLY DETAILED SHALL BE ALLOWED THRU STRUCTURAL STEEL MEMBERS. BOLT HOLES SHALL CONFORM TO AISC SPECIFICATION, AND SHALL BE STANDARD HOLES UNLESS OTHERWISE NOTED. NO CUTTING OR BURNING OF STRUCTURAL STEEL WILL BE PERMITTED WITHOUT PRIOR CONSENT OF THIS ENGINEER. HOLES IN STEEL SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT

6. WELDING: CONFORM TO AWS D1.1. WELDERS SHALL BE CERTIFIED

7. BOLTING: ASTM A307 BOLTS SHALL BE INSTALLED "SNUG TIGHT" PER AISC SECTION RCSC 8(C), ASTM A325 BOLTS SHALL CONFORM TO RCSC SECTION 8 (D).

8. FABRICATION: CONFORM TO AISC SPECIFICATION SEC M2 "FABRICATION" AND AISC CODE SEC 6 "FABRICATION AND DELIVERY" PERFORM WORK ON PREMISES OF A FABRICATOR APPROVED BY THE BUILDING

9. GALVANIZING: ALL EXPOSED STEEL OUTSIDE THE BUILDING ENVELOPE SHALL BE HOT-DIPPED GALVANIZED. APPLY FIELD TOUCH-UPS PER ASTM A153.

10. ALL FRAMING CONNECTORS SUCH AS CONCRETE ANCHORS, HOLD-DOWNS, POST BASES, FRAMING CAPS, HANGER AND OTHER MISCELLANEOUS STRUCTURAL METALS SHALL BE AS MANUFACTURED BY SIMPSON STRONG TIE CO. OR APPROVED EQUAL.

11. ALL STRUCTURAL STEEL EXPOSED TO EARTH SHALL HAVE 3" CONCRETE COVER.

12. MATERIALS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

ANCHOR BOLTS/ RODS: ASTM F1554, GRADE 36 BARS & PLATES: ASTM A36 **BOLTS IN WOOD:** ASTM A307 BOLTS - HIGH STRENGTH: ASTM A325SC OR A325N C-, M-, AND ANGLE SHAPES: ASTM A36 DEFORMED WELDED WIRE FABRIC: ASTM A497 EMBECO OR EQUIVALENT OTHER STRUCTURAL SHAPES: ASTM A36

REINFORCING BARS (WELDED): ASTM A706. GRADE 60, DEFORMED BARS REINFORCING BARS (REGULAR): ASTM A615, GRADE 60, DEFORMED BARS

SMOOTH WELDED WIRE FABRIC: ASTM A185 ANSI/NAAMM MBG 531-00 STEEL GRATING:

STEEL PIPE: ASTM A53, GRADE B

TIE WIRE: 16.5 GAGE OR HEAVIER, BLACK ANNEALED

TUBE STEEL & PIPE COLUMNS: ASTM A500, GRADE B ASTM A992, GRADE 50 W - SHAPES:

WELDING ELECTRODES: E70XX FOR STRUCTURAL STEEL **E80XX FOR REINFORCING BARS** E60XX FOR LIGHT GAUGE AND METAL DECK

EPOXY AND EXPANSION ANCHORS

1. EPOXY OR EXPANSION ANCHORS SHALL NOT BE USED EXCEPT WHERE SPECIFICALLY SHOWN ON THE PLANS OR WHEN APPROVED IN ADVANCE BY THE STRUCTURAL ENGINEER.

2. DRILLED HOLES SHALL BE PREPARED AND ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND THE CURRENT ICC REPORT.

INSPECTION REQUIREMENTS SET FORTH IN THE CURRENT ICC REPORT

3. SPECIAL INSPECTION SHALL BE DONE IN ACCORDANCE WITH BUILDING CODE AND THE SPECIFIC

4. ANCHOR RODS USED FOR EPOXY ANCHORS SHALL BE THE TYPE SPECIFIED IN THE REFERENCED ICC REPORT.

5. THE ANCHOR SIZE AND EMBEDMENT SHALL BE AS INDICATED ON THE PLANS.

6. WHERE PERMITTED, EPOXY ANCHORING SHALL BE COMPLETED WITH THE FOLLOWING ALLOWED PRODUCT(S):

HILTI RE-500 SD (ICC# ESR-2322, LARR-25700) - CONCRETE ONLY HILTI HIT-HY 150 (ICC# ER-5193, LARR-25652M) - MASONRY WALL ONLY. HILTI HIT-HY 20 (ICC# ER-4815, LARR-24564) - BRICK WALL ONLY. SIMPSON SET-XP (ICC# ESR-1722, LAR#-25744) CONCRETE ONLY

7. WHERE PERMITTED, THE FOLLOWING EXPANSION ANCHORS MAY BE USED: HILTI KWIK BOLT TZ STAINLESS STEEL (ICC# ESR-1917, LARR-25701) -SIMPSON STONG-BOLT (ICC# ESR-1771, LARR-25705) - CONCRETE ONLY. HILTI KWIK BOLT 3 (ICC#ESR-1385, LARR-25577)GROUTFILLED MASONRY ONLY SIMPSON WEDGE-ALL (ICC# ESR-1396, LARR-24682) - GROUT FILLED MASONRY ONLY.

SEISMIC GAS SHUT-OFF VALVE

1. WHEN THE LOCAL JURISDICTION REQUIRES, THE CONTRACTOR SHALL SUPPLY A "GAS SHUTOFF DEVICE" DOWNSTREAM OF GAS UTILITY METER(S) OR LIQUID PETROLEUM GAS STORAGE TANK(S) AT NO ADDITIONAL CHARGE TO THE OWNER.

2. "GAS SHUTOFF DEVICE" MAY CONSIST OF A "SEISMIC GAS SHUTOFF DEVICE "OR AN "EXCESS FLOW GAS SHUTOFF DEVICE". CONSULT WITH LOCAL JURISDICTION FOR THEIR REQUIREMENTS.

3. GAS SHUTOFF DEVICES SHALL BE CERTIFIED BY THE STATE ARCHITECT AND BE LISTED BY AN APPROVED LISTING AND TESTING AGENCY SUCH AS IAS, IAMPO, UL OR THE OFFICE OR THE STATE ARCHITECT. THE GAS SHUTOFF DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS AND HAVE A THIRTY (30) YEAR WARRANTY WHICH WARRANTS THAT THE VALVE OR DEVICE IS FREE FROM DEFECT AND WILL CONTINUE TO PROPERLY OPERATE FOR THIRTY (30) YEARS FROM THE DATE OF INSTALLATION.

4. IN THE CASE OF SEISMIC GAS-SHUT-OFF DEVICES (MOTION SENSITIVE) ONLY, SUCH DEVICES MUST BE MOUNTED RIGIDLY TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING. THIS REQUIREMENT NEED NOT APPLY IF THE BUILDING AND SAFETY DIVISION DETERMINES THAT THE SEISMIC GAS SHUTOFF DEVICE (MOTION SENSITIVE) HAS BEEN TESTED AND LISTED FOR AN ALTERNATE METHOD OF INSTALLATION.

REINFORCING STEEL

1. ALL REINFORCING SHALL BE NEW DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 OR ASTM A706, GRADE 60. ALL WELDED REINFORCING BARS SHALL CONFORM TO ASTM A706.

2. REINFORCING STEEL SPLICE/DEVELOPMENT LENGTHS SHALL CONFORM TO THE FOLLOWING MINIMUM LENGTHS UNLESS NOTED OTHERWISE: SPLICED BARS SHALL BE WIRED TOGETHER.

SPLICE/DEVELOPMENT LENGTH (INCHES) TOP BAR SIZE BAR

TOP BAR LENGTHS APPLY TO HORIZONTAL REINFORCEMENT PLACED WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE SPLICE OR DEVELOP LENGTH. COMPRESSION DOWEL EMBEDMENT: 22 BAR DIAMETERS.

LAP WELDED WIRE FABRIC ONE SPACING OF CROSS WIRES PLUS 2".

3. MINIMUM CONCRETE COVER UNLESS NOTED OTHERWISE: UNFORMED SURFACE IN CONTACT WITH THE GROUND: FORMED SURFACES EXPOSED TO EARTH OR WEATHER #6 BARS AND LARGER: #5 BARS AND SMALLER: FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER BEAMS, GIRDERS AND COLUMNS: SLABS, WALLS AND JOISTS #11 BARS AND SMALLER:

4. BARS SHALL BE CLEAN OF MUD, OIL, OR OTHER COATINGS LIKELY TO IMPAIR BONDING.

5. ALL REINFORCING SHALL BE SECURED IN PLACE PRIOR TO INSPECTIONS, PLACING CONCRETE, OR

6. WELDING: BARS SHALL NOT BE WELDED UNLESS AUTHORIZED. WHEN AUTHORIZED, CONFORM TO ACI 301 SEC 3.2, 2.2, AND AWS D1.4 "WELDING" AND PROVIDE ASTM A706, GRADE 60 REINFORCEMENT.

7. FIELD BENDING: CONFORM TO ACI 301 SEC 3.3.2.8 "FIELD BENDING OR STRAIGHTENING". BAR SIZES #3 THROUGH #5 MAY BE FIELD BENT COLD THE FIRST TIME. OTHER BARS REQUIRE PREHEATING. DO NOT

8. SPLICE ALL BARS IN MASONRY WITH A MINIMUM OF 48 BAR DIAMETER LAPS (2'-0" MINIMUM).

9. ALL VERTICAL WALL REINFORCEMENT SHALL BE CONTINUOUS BETWEEN SPLICE LOCATIONS SHOWN IN THE DETAILS.

CONCRETE

1. MIX DESIGN REQUIREMENTS: (UNLESS NOTED OTHERWISE) A. CEMENT SHALL CONFORM TO ASTM C-150, TYPE V. B. COMPRESSIVE STRENGTH = 3,000 PSI C. CONCRETE SLUMP SHALL BE 3"+/-1" FOR SLABS AND 4"+/-1" FOR ALL OTHER WORK. D. WATER CEMENT RATIO = 0.45 MAX

2. AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C-33 (1" MAXIMUM SIZE), AND ASTM C-330 FOR STRUCTURAL LIGHT WEIGHT CONCRETE.

3. WHERE CONCRETE WILL BE IN CONTACT WITH NATIVE OR IMPORTED SOIL WHICH HAS A VERY SEVERE SULFATE CONTENT, POZZOLAN SHALL BE ADDED AS REQUIRED.

4. EXTERIOR CONCRETE EXPOSED TO FREEZING TEMPERATURES AND/OR SALT OR DEICING CHEMICALS SHALL HAVE AIR ENTRAINMENT AND THE CEMENT CONTENT APPROPRIATE FOR THE EXPECTED EXPOSURE.

5. WATER SHALL BE POTABLE OR CLEAN, FREE FROM DELETERIOUS AMOUNTS OF ACIDS, ALKALIS OR ORGANIC MATERIALS, OILS, AND SALTS,

6. READY-MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C-94.

7. FLOOR SLABS SHALL CONFORM TO ASTM C-38 STANDARDS AND SHALL BE AT LEAST 3 1/2 INCHES THICK- SEE FOUNDATION PLANS FOR REINFORCEMENT, BASE, UNDERLAYMENT, VAPOR BARRIER OR OTHER SPECIFIC REQUIREMENTS.

8. FLOOR SLABS SHALL BE LEVEL OR TRUE SLOPES AS SHOWN ON DRAWINGS. TOLERANCE: 1/8 INCH IN 10

9. PROVIDE LIGHT BROOM FINISH ON ALL EXPOSED CONCRETE UNLESS NOTED OTHERWISE.

10. PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH ANY EXISTING UTILITIES. FOUNDATIONS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES.

11. ALL EDGES OF PERMANENTLY EXPOSED CONCRETE SURFACES SHALL BE CHAMFERED 3/4" UNLESS

NOTED OTHERWISE. 12. FORMWORK SHALL REMAIN IN PLACE UNTIL CONCRETE HAS OBTAINED AT LEAST 90% OF

COMPRESSIVE STRENGTH. THE CONTRACTOR SHALL PROVIDE ALL SHORING AND RESHORING.

13. PROVIDE CONCRETE SLABS OVER A 10 MIL POLYETHYLENE VAPOR BARRIER OVER 4" OF POROUS FILL UNLESS NOTED OTHERWISE.

14. ALL POROUS FILL MATERIAL SHALL BE A CLEAN GRANULAR MATERIAL. POROUS FILL SHALL BE COMPACTED TO 90% MAX. DRY DENSITY.

15. WALKWAYS AND OTHER EXTERIOR SLABS ARE NOT INDICATED ON THE STRUCTURAL DRAWINGS. SEE THE SITE PLAN AND ARCHITECTURAL DRAWINGS FOR LOCATIONS, DIMENSIONS, ELEVATIONS, JOINTING DETAILS AND FINISH DETAILS. PROVIDE 4" WALKS REINFORCED WITH 6x6 - WI.4xWI.4 WWF UNLESS OTHERWISE NOTED.

16. ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO CHAPTER 19 OF THE CBC AND TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS," EXCEPT AS SPECIFIED HEREIN.

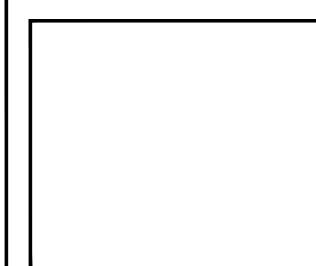
17. ALL FOOTINGS SHALL REST ON FIRM NATURAL SOIL OR APPROVED COMPACTED FILL.

18. MONOPOLE CAISSONS ARE DESIGNED BY OTHERS. PROVIDE ADEQUATE SEPARATION AND/OR COMPRESSIBLE MATERIAL AROUND THE TOP OF THE CAISSON AS DIRECTED BY THE CAISSON ENGINEER TO PROTECT ADJACENT NEW AND EXISTING FOUNDATIONS AND OTHER ELEMENTS.

19. CONTROL JOINTS SHALL BE PLACED IN ALL CONCRETE SLABS PER THE SCHEDULE BELOW. SAWCUT WITHIN 4 HOURS AFTER THE POUR USING THE "SOFF-CUT" PROCEDURE. SLAB THICKNESS MAXIMUM SPACING

> 10'-0" 12'-0" 6" AND LARGE 15'-0"





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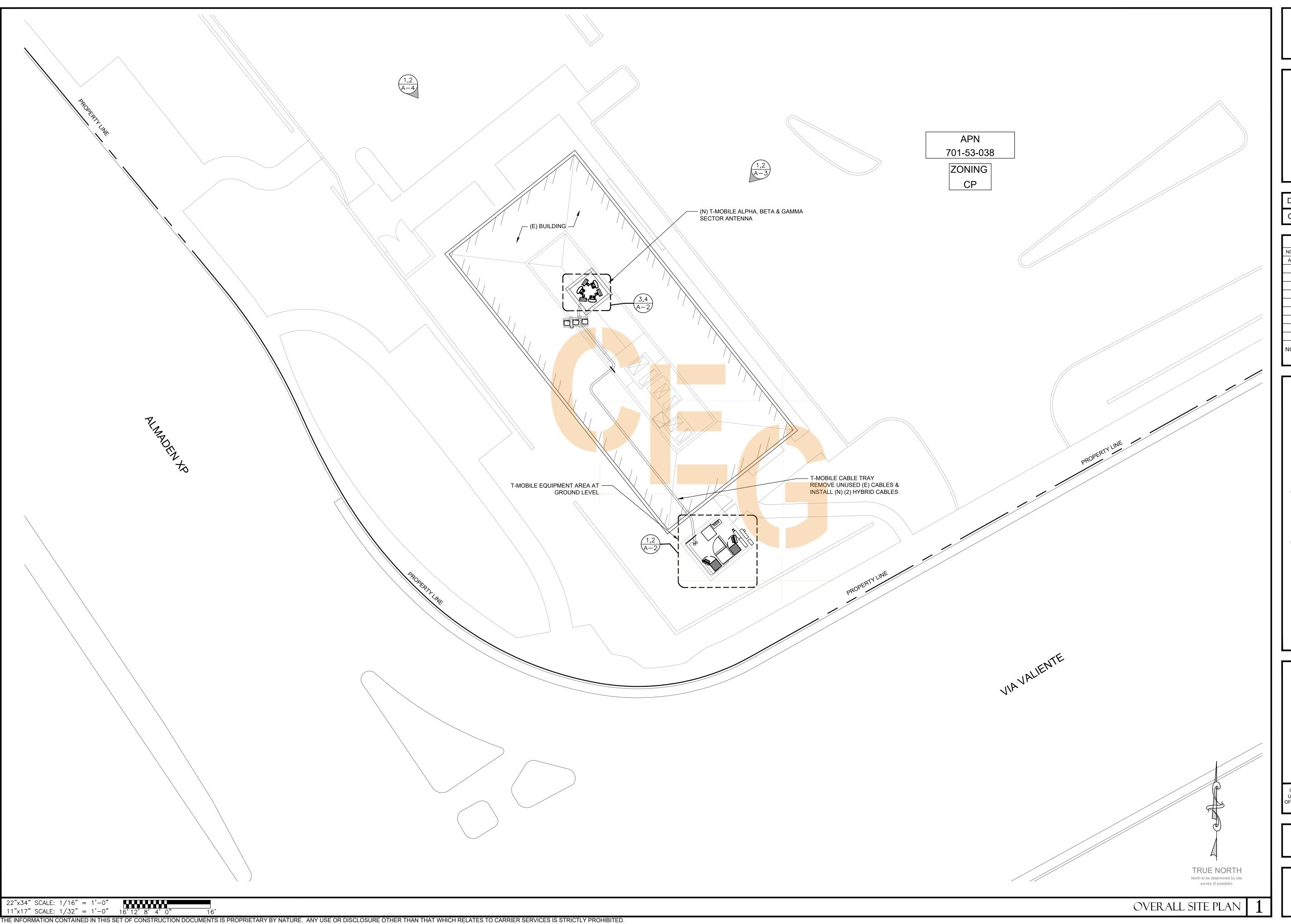
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SHEET TITLE

GENERAL NOTES AND SPECIFICATIONS



T-Mobile -®

T-Mobile West LLC
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CONCORD, CA 94520

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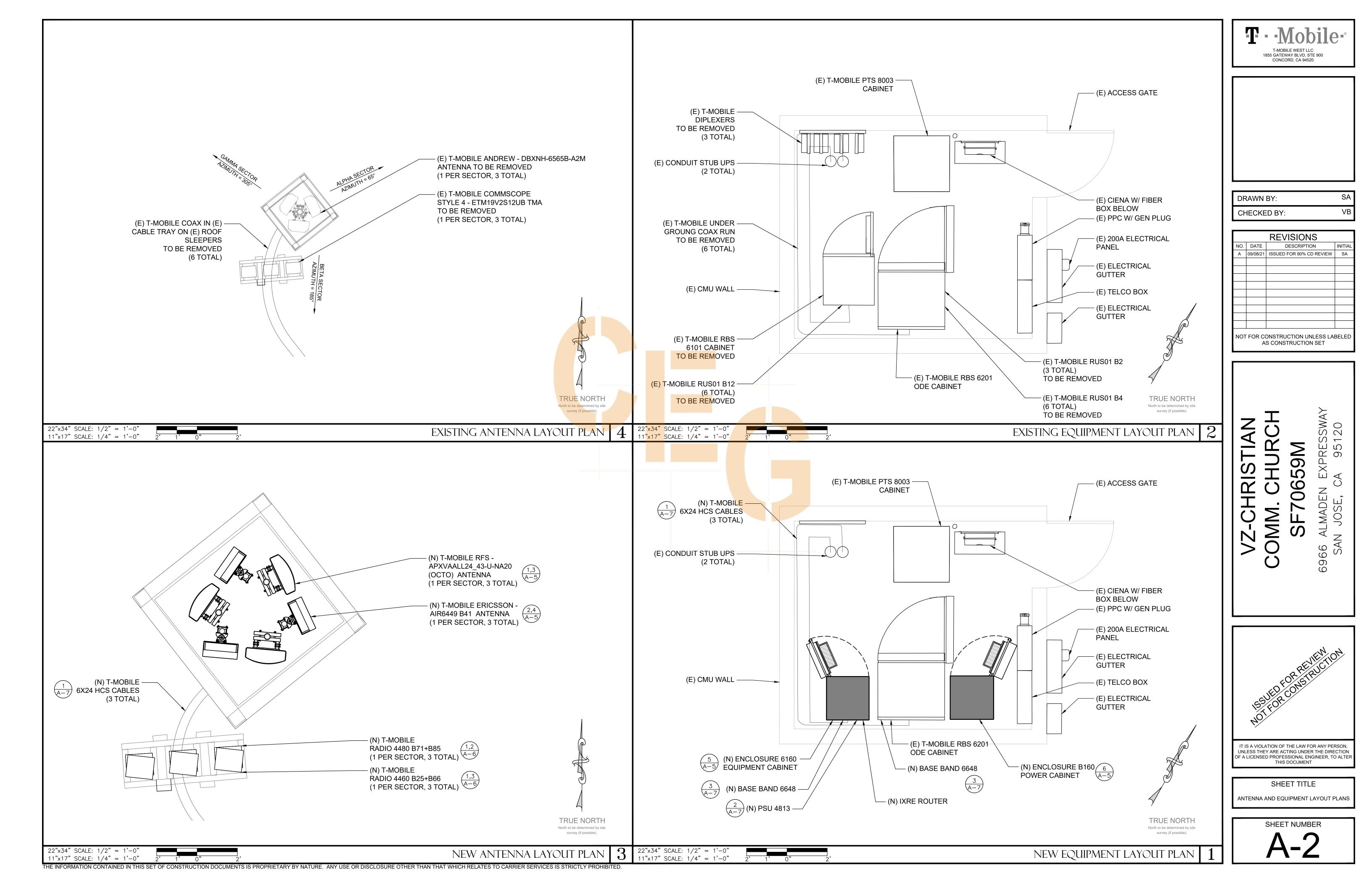
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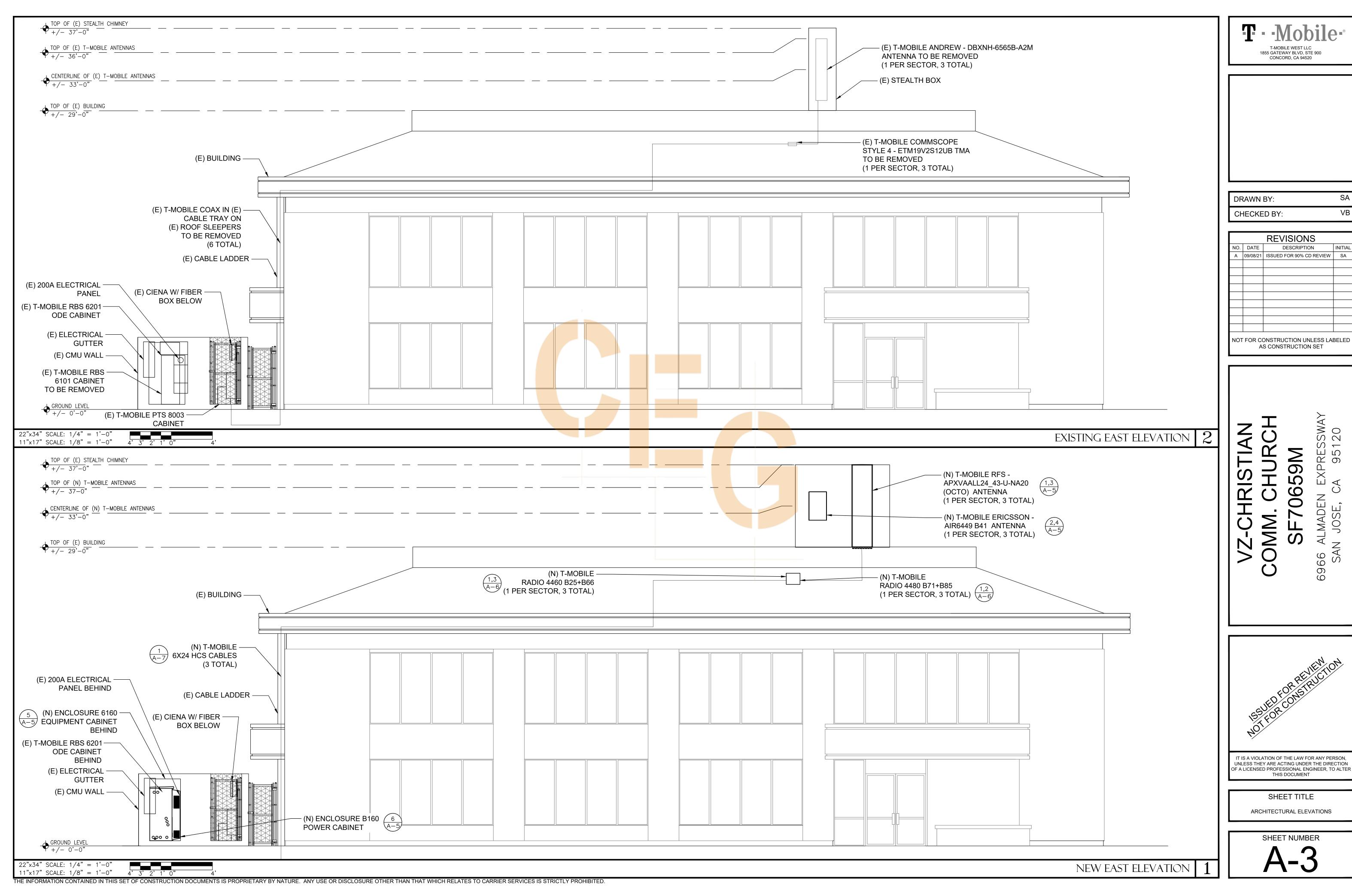
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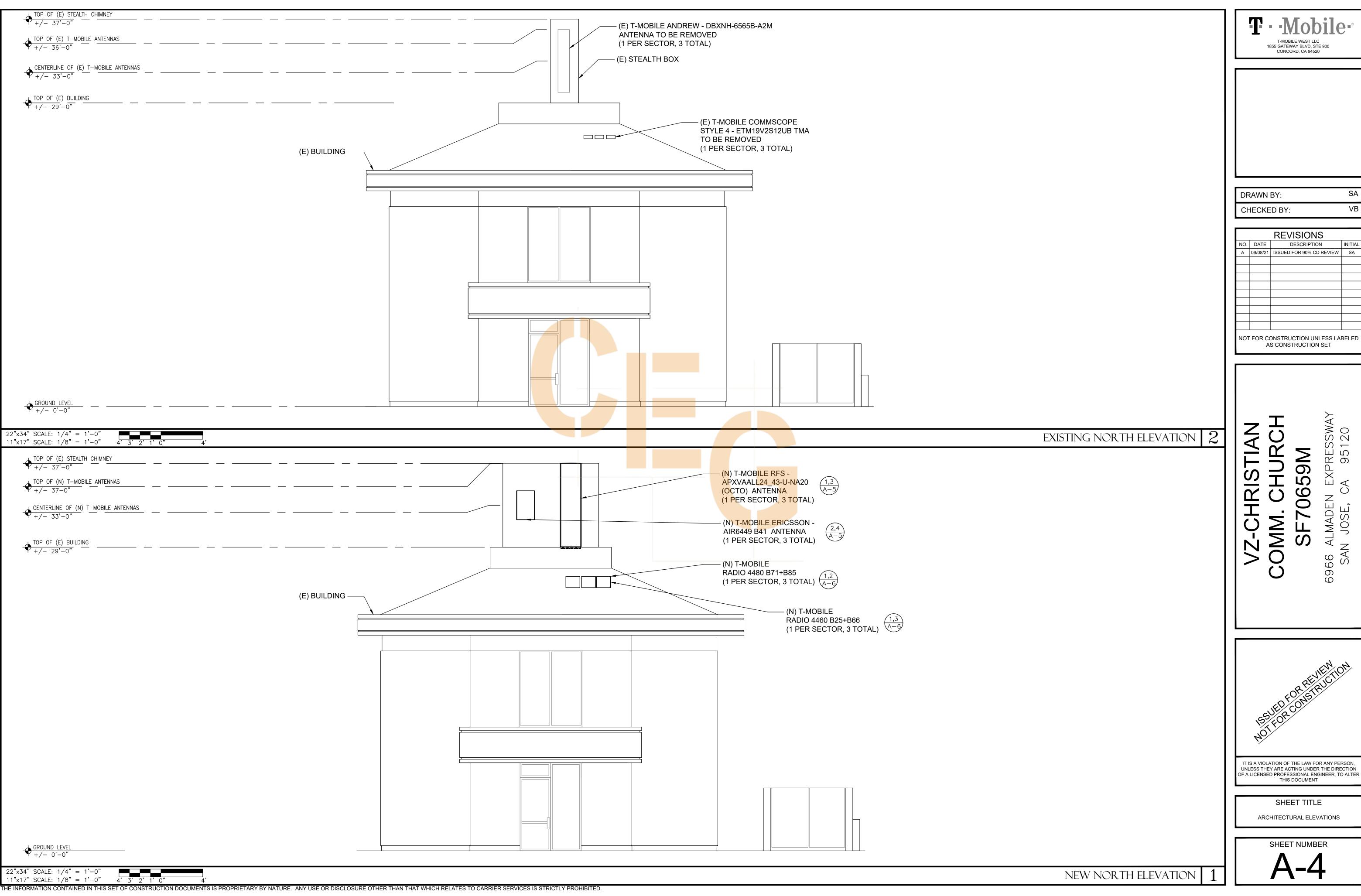
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OVERALL SITE PLAN







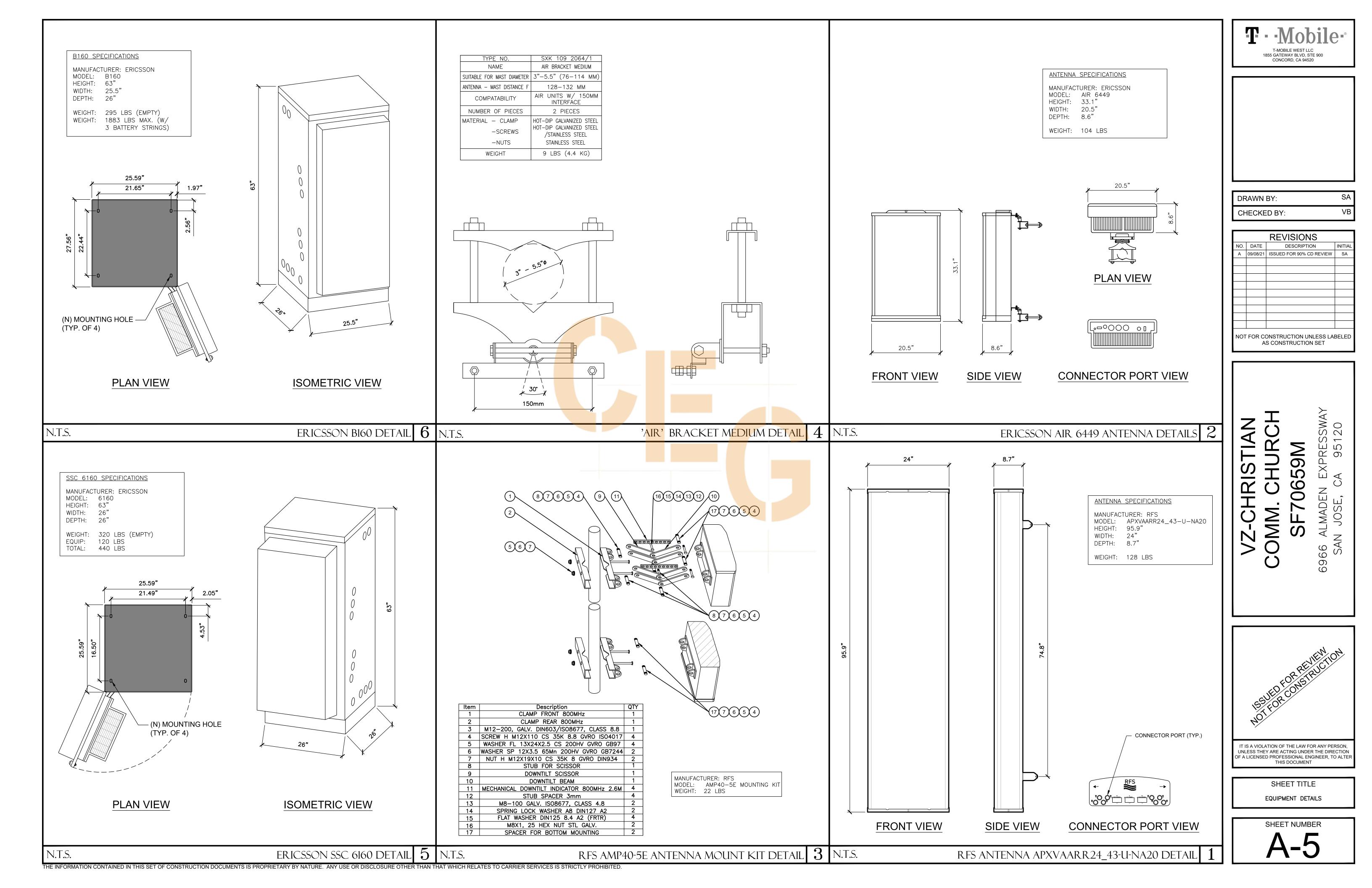
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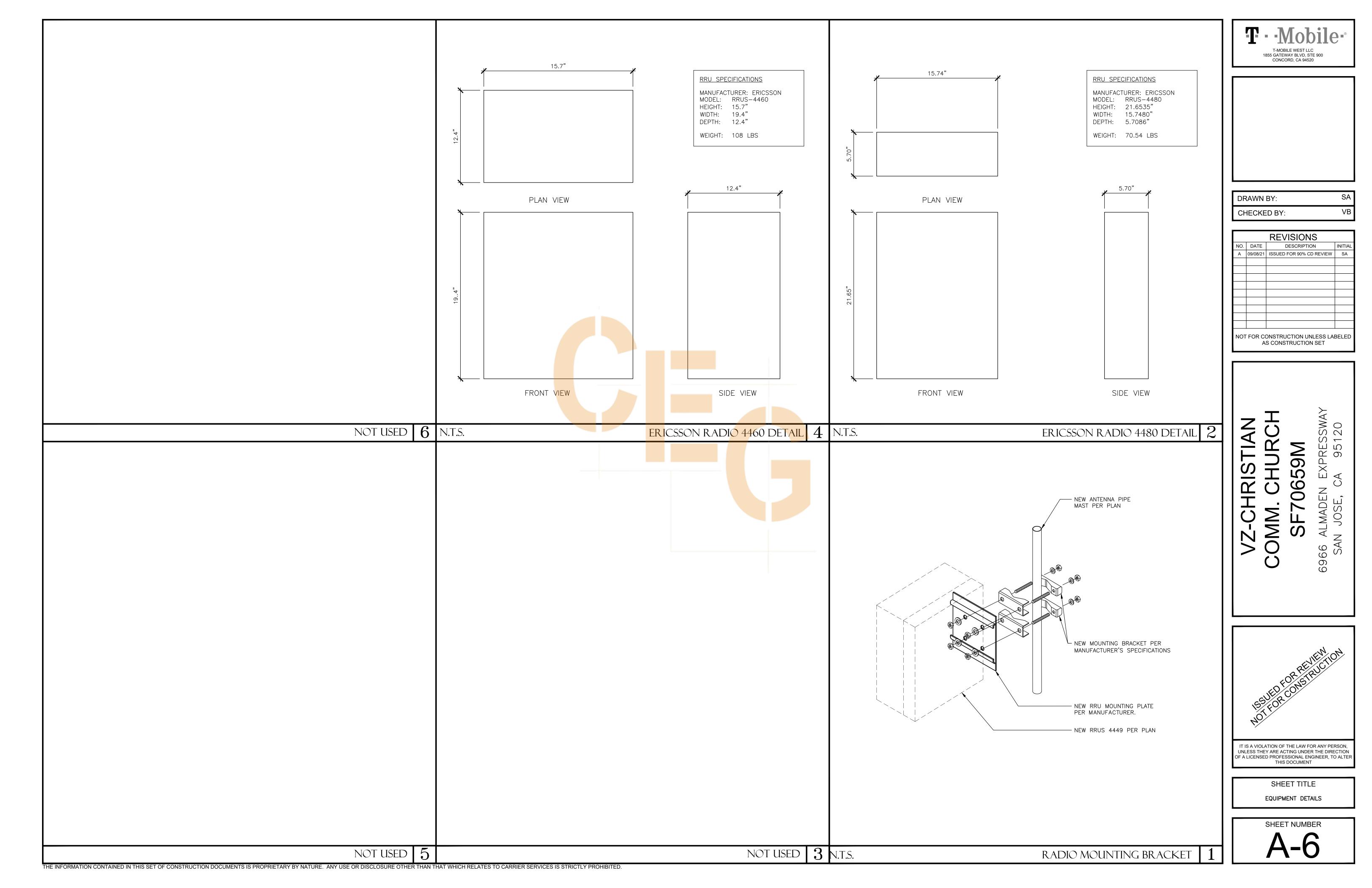
EXPRESSWAY SA 95120

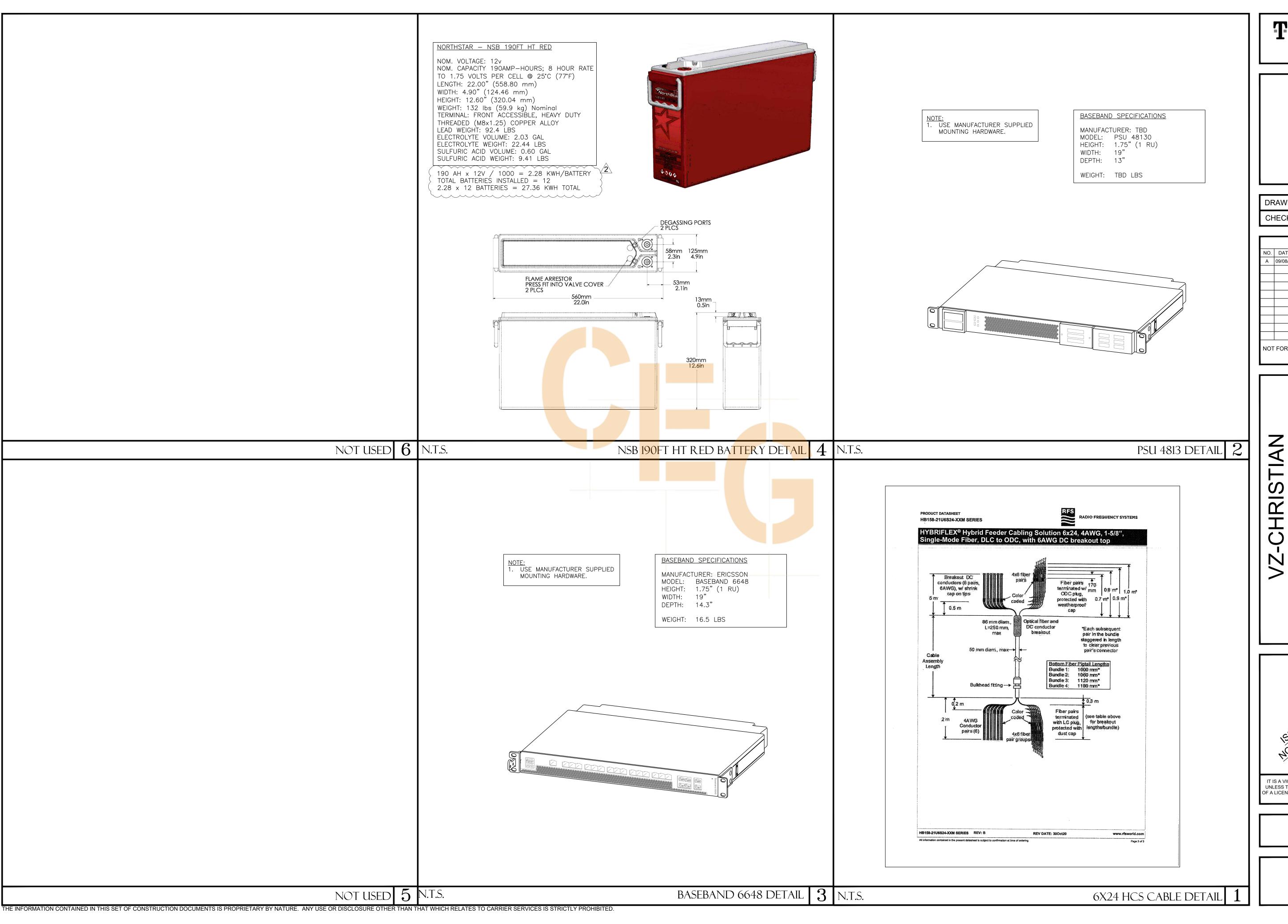
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T-MOBILE WEST LLC

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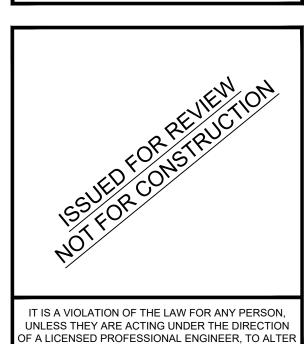
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THIS DOCUMENT

EQUIPMENT DETAILS

	EXISTING ANTENNA SCHEDULE										
POSITIO	NI .		ANTENNA		ANTENNA ANTENNA RAD		RAD	TMA/RRU	CABLE TYPE	CABLE	JUMPERS
POSITIO	N	TECH	MODEL	SIZE	AZIMUTH	CENTER	TMA/RRO	CABLE TIPE	LENGTH	JUMPERS	
ALPH A SECT OR	A 1	L700 L2100 U1900	ANDREW - DBXNH-6565B-A2M	72"	65°	33'-0"	COMMSCOPE STYLE 4 - ETM19V2S12UB	(2) 7/8" COAX	20M	-	
BETA SECT OR	B1	L700 L2100 U1900	ANDREW - DBXNH-6565B-A2M	72"	185°	33'-0"	COMMSCOPE STYLE 4 - ETM19V2S12UB	(2) 7/8" COAX	20M	-	
GAMM A SECT OR	C1	L700 L2100 U1900	ANDREW - DBXNH-6565B-A2M	72"	305°	33'-0"	COMMSCOPE STYLE 4 - ETM19V2S12UB	(2) 7/8" COAX	20M	-	
тс	OTAL		(3) ANDREW - DBXN	NH-6565B-A2	2M		(3) COMMSCOPE STYLE 4 - ETM19V2S12UB	(6) 7/8" CC	DAX	-	

NEW ANTENNA SCHEDULE													
POSITIO	NAI .		ANTENNA		ANTENNA		ANTENNA		RAD		CABLE TYPE	CABLE	
POSITIO	/IN	TECH	MODEL	SIZE	AZIMUTH	AZIMUTH CENTER	TMA/RRU	CABLE TIPE	LENGTH	JUMPERS			
ALPHA SECTOR	A1	L700 L600 N600 L2100 L1900 U1900 G1900	RFS - APXVAALL24_43-U-NA20 (OCTO)	95.9"	65°	33'-0"	(1) RADIO 4480 B71+B85 (1) RADIO 4460 B25+B66	(1) HCS 6X24	20M	(18) FIBER			
	A2	L2500 N2500	ERICSSON - AIR6449 B41	33.1"			-						
BETA SECTOR	В1	L700 L600 N600 L2100 L1900 U1900 G1900	RFS - APXVAALL24_43-U-NA20 (OCTO)	95.9"	185°	33'-0"	(1) RADIO 4480 B71+B85 (1) RADIO 4460 B25+B66	(1) HCS 6X24	20M	(18) FIBER			
	B2	L2500 N2500	ERICSSON - AIR6449 B41	33.1"			-						
GAMMA SECTOR	C1	L700 L600 N600 L2100 L1900 U1900 G1900	RFS - APXVAALL24_43-U-NA20 (OCTO)	95.9"	305°	33'-0"	(1) RADIO 4480 B71+B85 (1) RADIO 4460 B25+B66	(1) HCS 6X24	20M	(18) FIBER			
	C2	L2500 N2500	ERICSSON - AIR6449 B41	33.1"			-						
7	OTAL		(3) RFS - APXVAALL24_43-U-N (3) ERICSSON - AI	IA20 (OCTC R6449 B41)) UKNOWN		(3) RADIO 4480 B71+B85 (3)RADIO 4460 B25+B66	(3) HCS 6	X24	(54) FIBER			

NOTE

DO NOT USE RFDS COAX/CAB/E/FIBER LENGTHS FOR CUT LENGTHS: ESTIMATES ONLY.
 CONFIRM THAT THE GENERAL CONTRACTOR IS USING LATEST VERSION OF RFDS



T-MOBILE WEST LLC
1855 GATEWAY BLVD, STE 900
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ANTENNA SCHEDULES

Section 5 - RAN Equipment					
Existing RAN Equipment					
Template: 705F					
Enclosure	1	2	3		
Enclosure Type	RBS 6201 ODE	(RBS 6101)	(PTS 8003)		
Baseband	DUW30 BB 6630 L2100 L700				
Multiplexer		XMU			
Radio	RUS01 B2 (x 3) RUS01 B4 (x 5) RUS01 B4	RUS01 B12 (x 6)			

Proposed RAN Equipment							
Template: 67E5A998E ODE+6160							
Enclosure	1	2	3	4			
Enclosure Type	(RBS 6201 ODE)	Enclosure 6160	B160	PTS 8003			
Baseband	DUW30 BB 6648 BB 6630 L2100 L1900 N600	BB 6648 L2500 N2500					
Hybrid Cable System	Ericsson Hybrid Trunk 6/24 4AWG 20m (x 2)	PSU 4813 Ericsson Hybrid Trunk 6/24 4AWG 20m					
Transport System		(CSR IXRe V2 (Gen2)					

"Anchor SOW:

Remove unused equipment
1. Add (1) BB6648 for L700/L600/N600
2. Add (1) 6160 and (1) B160
3. Add (3) 6/24 HCS
4. Add (1) BB6648 for L2500 & N2500
5. Add (1) PSU4813 and (1) IXRE*

			Sector 1 (Pro	oposed) view fr	rom behind				
Coverage Type	A - Outdoor Macro	9							
Antenna		2							
Antenna Model	RFS - APXVAALL	24_43-U-NA20 (Octo	9)		[Ericsson - AIR6449 B41 (Active Antenna - Massive MIMO)]				
Azimuth	65				85				
M. Tilt	0				0				
Height	32				(32)				
Ports	P1	P2	P3	P4	P5	P6			
Active Tech.	L700 L600 N600	L700 L600 N600	L2100 L1900	L2100 (L1900) (U1900)	[L2500] N2500]	L2500 N2500			
Dark Tech.									
Restricted Tech.									
Decomm. Tech.									
E. Tilt	2	2	2	2	2	2			
Cables	JUMPER 10 FT SUREFLEX 4.3-10 TO 4.3- 10 (x2) Fiber Jumper	(Fiber Jumper (x2))	(Fiber Jumper (x2)						
TMAs			(x2)	(x2)					
Diplexers / Combiners									
Radio	Radio 4480 B71+B85 (At Antenna)	Radio 4480 B71+B85 (At Antenna)	Radio 4460 B25+B66 (At Antenna)	Radio 4460 B25+B66 (At Antenna)					
Sector Equipment									
Unconnected Equip	ment:								
Scope of Work:									
Anchor Project A&L	SOW :::								
Add (1) AIR6449. Add (1) 44480 RRU	Replace Andrew antenna with a 8' Octo								



Coverage Type							
	A - Outdoor Macro	9					
Antenna		1				Ž	
Antenna Model	RFS - APXVAALL	24_43-U-NA20 (Octo	9		Ericsson - AIR6449 B41 (Acti	ive Antenna - Massive MIMO)	
Azimuth	185				185		
M. Tilt	0				0		
Height	32				32		
Ports	P1	P2	P3	P4	P5	P6	
Active Tech.	L700 (L600) N800	L700 L600 N600	L2100 (L1900)	L2100 (U1900) L1900	L2500 N2500	(L2500) (N2500)	
Dark Tech.							
Restricted Tech.							
Decomm. Tech.							
E. Tilt	2	2	2	2	2	2	
Cables	JUMPER 10 FT SUREFLEX 4.3-10 TO 4.3- 10 (x2)	JUMPER 10 FT SUREFLEX 4.3-10 TO 4.3- 10 (x2)	JUMPER 10 FT SUREFLEX 4.3-10 TO 4.3- 10 (x2) Fiber Jumper (x2)	JUMPER 10 FT SUREFLEX 4.3-10 TO 4.3- 10 (x2) Fiber Jumper (x2)	Fiber Jumper (x2)	(Fiber Jumper (x2))	
TMAs							
Diplexers / Combiners							
Radio	Radio 4480 B71+B85 (At Antenna)	Radio 4480 B71+B85 (At Antenna)	Radio 4480 B25+B66 (At Antenna)	Radio 4460 B25+B66 (At Antenna)			
Sector Equipment							

Anchor Project A&L SOW :::

Replace Andrew antenna with a δ' Octo Add (1) AIR6449. Add (1) 44480 RRU Add (1) 44160 RRU

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

G = 11	`						
A - Outdoor Macro	ال						
	1	1		2			
RFS - APXVAALL	24_43-U-NA20 (Octo)		Ericsson - AIR6449 B41 (Active	Antenna - Massive MIMO)		
305				(305)			
0				0			
32				32			
P1	P2	P3	P4	P5	P6		
L700 L600 N600	L700 L600 N600	L2100 L1900	L2100 (U1900) L1900	L2500 N2500	(L2500) (N2500)		
2	2	2	2	2	2		
JUMPER 10 FT SUREFLEX 4.3-10 TO 4.3- 10 (x2) Fiber Jumper	JUMPER 10 FT SUREFLEX 4.3-10 TO 4.3- 10 (x2) Fiber Jumper	JUMPER 10 FT SUREFLEX 4.3-10 TO 4.3- 10 (x2) Fiber Jumper (x2)	JUMPER 10 FT SUREFLEX 4.3-10 TO 4.3- 10 (x2) Fiber Jumper (x2)	(Fiber Jumper (x2)	(Fiber Jumper (x2))		
Radio 4480 B71+B85 (At Antenna)	Radio 4480 B71+B85 (At Antenna)	Radio 4460 B25+B66 (At Antenna)	Radio 4460 B25+B66 (At Antenna)				
SOW :::							
	RFS - APXVAALL: 305 0 32 P1 L700 L600 N600 2 JUMPER 10 FT SUREFLEX 4.3-10 TO 4.3- 10 (x2) Fiber Jumper Radio 4480 B71+B85 (At B7	RFS - APXVAALL24_43-U-NA20 (Octo 305 0 32 P1 P2 L700 L600 L700 L600 N600 N600 2 2 2 JUMPER 10 FT SUREFLEX 4.3-10 TO 4.3- 10 (x2) Fiber Jumper Radio 4480 B71+B85 (At Antenna) Radio 4480 B71+B85 (At Antenna) Radio 4480 B71+B85 (At Antenna) Radio 4480 B71+B85 (At Antenna)	RFS - APXVAALL24_43-U-NA20 (Octo) 305	Temper T	Table Tabl		

T-MOBILE WEST LLC 1855 GATEWAY BLVD, STE 900 CONCORD, CA 94520

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SHEET TITLE

RFDS INFORMATION

KEY NOTES

- 1 MECHANICAL CONNECTION
- NEW T-MOBILE EQUIPMENT CABINET
- MASTER GROUND BUS BAR AT EQUIPMENT (3) (DETAIL 7/G-2) (CONTRACTOR TO FIELD VERIFY LOCATION)
- ANTENNA GROUND BUS BAR NEAR ANTENNAS (CONTRACTOR TO FIELD VERIFY LOCATION)
- (2) #2 BARE TINNED COPPER WIRES FROM NEW CABINET TO NEW MASTER GROUND BAR
- 6 AWG 2 INSULATED COPPER GROUND WIRE TO GROUND RING.
- AWG 6 INSULATED COPPER GROUND WIRE FROM ANTENNA GROUND KIT TO ANTENNA BUS BAR (TYP.)
- 8 AWG 2 INSULATED COPPER GROUND FROM RRU, PIPE MOUNT TO ANTENNA BUS BAR
- 9 AWG 2 INSULATED COPPER GROUND WIRE CONNECTED TO MASTER GROUND BUS
- AWG 2 TO BUILDING STEEL OR (E) BUILDING SERVICE GROUND
- COPPER CLAD GROUND ROD SEE DETAIL 8, G-2
- GROUND TEST WELL SEE DETAIL 6, G-2

LEGEND

- MECHANICAL CONNECTION
- EXOTHERMIC WELD
- (CADWELD/THERMOWELD) CONNECTION.
 - #2 AWG INSULATED, COPPER WIRE (UNLESS OTHERWISE SPECIFIED).
- 5. NOTIFY ARCHITECT/ENGINEER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.

GROUNDING RODS AS REQUIRED TO ACHIEVE SPECIFIED OHMS READING. GROUNDING AND OTHER OPTIONAL

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY

2. GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING #2 GROUND

MANUFACTURER'S PRACTICES FOR GROUNDING REQUIREMENTS. GROUND COAX SHIELD AT BOTH ENDS USING

MANUFACTURERS PRACTICES. ALL UNDERGROUND WATER PIPES, METAL CONDUITS AND GROUNDS THAT ARE A

3. ALL GROUND CONNECTIONS SHALL BE #2 AWG U.N.O. ALL WIRES SHALL BE COPPER THHN/THWN. ALL GROUND

WIRES AND CONNECT TO SURFACE MOUNTED GROUND BUS BARS AS SHOWN. FOLLOW ANTENNA AND BTS

VARY DUE TO SITE SPECIFIC CONDITIONS.

PART OF THIS SYSTEM SHALL BE BONDED TOGETHER.

(N) T-MOBILE

(2 TOTAL)

(3 TOTAL)

 $\frac{6}{(A-7)}$ 6X24 HCS CABLES

(E) CONDUIT STUB UPS

(E) CMU WALL —

 $\frac{3}{(A-7)}$ (N) BASE BAND 6648

(N) IXRE ROUTER

(N) ENCLOSURE 6160

WIRE SHALL BE SOLID TIN COATED OR STRANDED GREEN INSULATED WIRE.

TESTING WILL BE WITNESSED BY THE T-MOBILE REPRESENTATIVE.

6. BARE GROUNDING CONDUCTOR SHALL BE HARD DRAWN TINNED COPPER SIZES AS NOTED ON PLAN.

4. CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE, 5 OHMS MAXIMUM. PROVIDE SUPPLEMENT

- 7. ALL HORIZONTALLY RUN GROUNDING CONDUCTORS SHALL BE INSTALLED MINIMUM 12" BELOW GRADE/FROST-LINE IN TRENCH, U.N.O., AND BACK FILL SHALL BE COMPACTED AS REQUIRED BY ARCHITECT.
- 8. ALL GROUND CONDUCTORS SHALL BE RUN AS STRAIGHT AND SHORT AS POSSIBLE, WITH A MINIMUM 12" BENDING RADIUS NOT LESS THAN 90 DEGREES.

(E) T-MOBILE PTS 8003 -

CABINET

- 9. ALL SUPPORT STRUCTURES, CABLE CHANNEL WAYS OR WIRE GUIDES SHALL BE BONDED TO GROUND SYSTEM AT A POINT NEAREST THE MAIN GROUNDING BUS "MGB" (OR DIRECTLY TO GROUND-RING).
- 10. ACCEPTABLE CONNECTIONS FOR GROUNDING SYSTEM SHALL BE:
- a. BURNDY, HY-GRADE U.L. LISTED CONNECTORS FOR INDOOR USE OR AS APPROVED BY T-MOBILE PROJECT
- b. CADWELD, EXOTHERMIC WELDS (WELDED CONNECTIONS). c. TWO -(2) HOLE TINNED COPPER COMPRESSION (LONG BARREL) FITTINGS (BUS BAR CONNECTIONS).
- 11. ALL CRIMPED CONNECTIONS SHALL HAVE EMBOSSED MANUFACTURER'S DIEMARK VISIBLE AT THE CRIMP
- 12. PRIOR TO ANY LUG-BUSSBAR CONNECTIONS, THE BUS BAR SHALL BE CLEANED BY USE OF "SCOTCH-BRITE" OR PLAIN STEEL WOOL AS TO REMOVE ALL SURFACE OXIDATION AND CONTAMINANTS. A COATING OF "NO-OX-ID" SHALL BE APPLIED TO THE CONNECTION SURFACES.

13. ALL CONNECTION HARDWARE SHALL BE TYPE 316 SS (NOT ATTRACTED TO MAGNETS).

(RESULTING FROM USE OF PROPER CRIMPING DEVICES).

(E) T-MOBILE RBS 6201

ODE CABINET

14. THE GROUND RING SHALL BE INSTALLED 24" MINIMUM BEYOND ANY BUILDING DRIP LINE.

15. ELECTRICAL SERVICE EQUIPMENT GROUNDING SHALL COMPLY WITH NEC, ARTICLE 250 AND SHALL BOND ALL EXISTING AND NEW GROUNDING ELECTRODES. NEW GROUNDING ELECTRODE SHALL INCLUDE BUT NOT LIMITED TO GROUND RODS, GROUND RING IF SERVICE IS WITHIN THE RADIO EQUIPMENT LOCATION, BUILDING STEEL IF APPLICABLE, COLD WATER CONNECTIONS MUST BE MADE ON THE STREET SIDE OF MAIN SHUT-OFF VALVE.

GROUNDING NOTES

PROPOSED GROUNDING AND MAIN

GROUND BARS ARE DEPICTED

(E) ACCESS GATE

(E) CIENA W/ FIBER

— (E) PPC W/ GEN PLUG

BOX BELOW

(E) 200A ELECTRICAL

· (E) ELECTRICAL

(E) TELCO BOX

- (E) ELECTRICAL

PANEL

GUTTER

GUTTER

- (N) ENCLOSURE B160 6

POWER CABINET

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1855 GATEWAY BLVD, STE 900

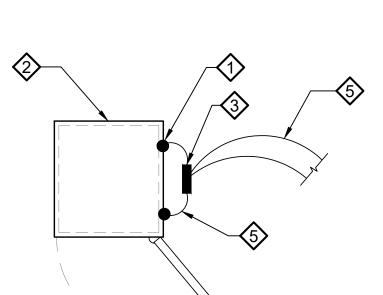
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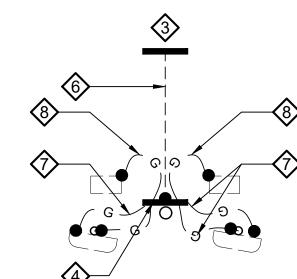
SHEET TITLE

GROUNDING SCHEMATIC & NOTES

SHEET NUMBER



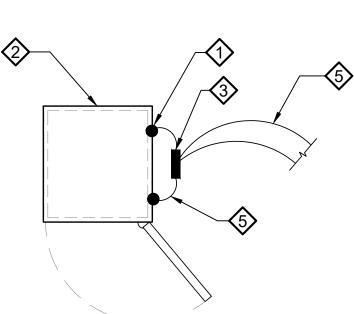
EQUIPMENT GROUNDING

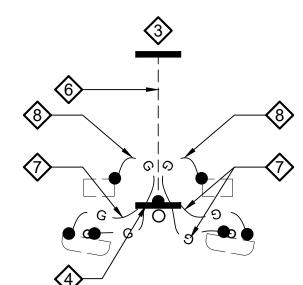


TYP. ANTENNA GROUNDING

GENERAL NOTES:

- PLAN DRAWINGS SHOWN HEREIN ARE DIAGRAMMATIC AND DO NOT NECESSARILY DEPICT THE EXACT EQUIPMENT QUANTITIES, LOCATION, LAYOUT AND CONFIGURATION. REFER TO ARCHITECTURAL PLANS FOR EXACT EQUIPMENT LOCATION, LAYOUT AND CONFIGURATION.
- 2. PLAN DRAWINGS SHOWN HEREIN DO NOT NECESSARILY DEPICT ELECTRICAL REQUIREMENTS OF INDIVIDUAL EQUIPMENT AND DEVICES SUCH AS THE EQUIPMENT GROUNDING REQUIREMENTS, POWER REQUIREMENTS AND TELCO RACEWAY REQUIREMENTS.
- REFER TO A-1 FOR THE LOCATION OF POWER AND TELCO POINT OF CONNECTIONS, THE DISTANCE OF THE RUN AND THE SUGGESTED CONDUIT ROUTING. FIELD VERIFY EXISTING CONDITIONS SPECIFICALLY FOR CONDUIT ROUTING PRIOR TO BID.

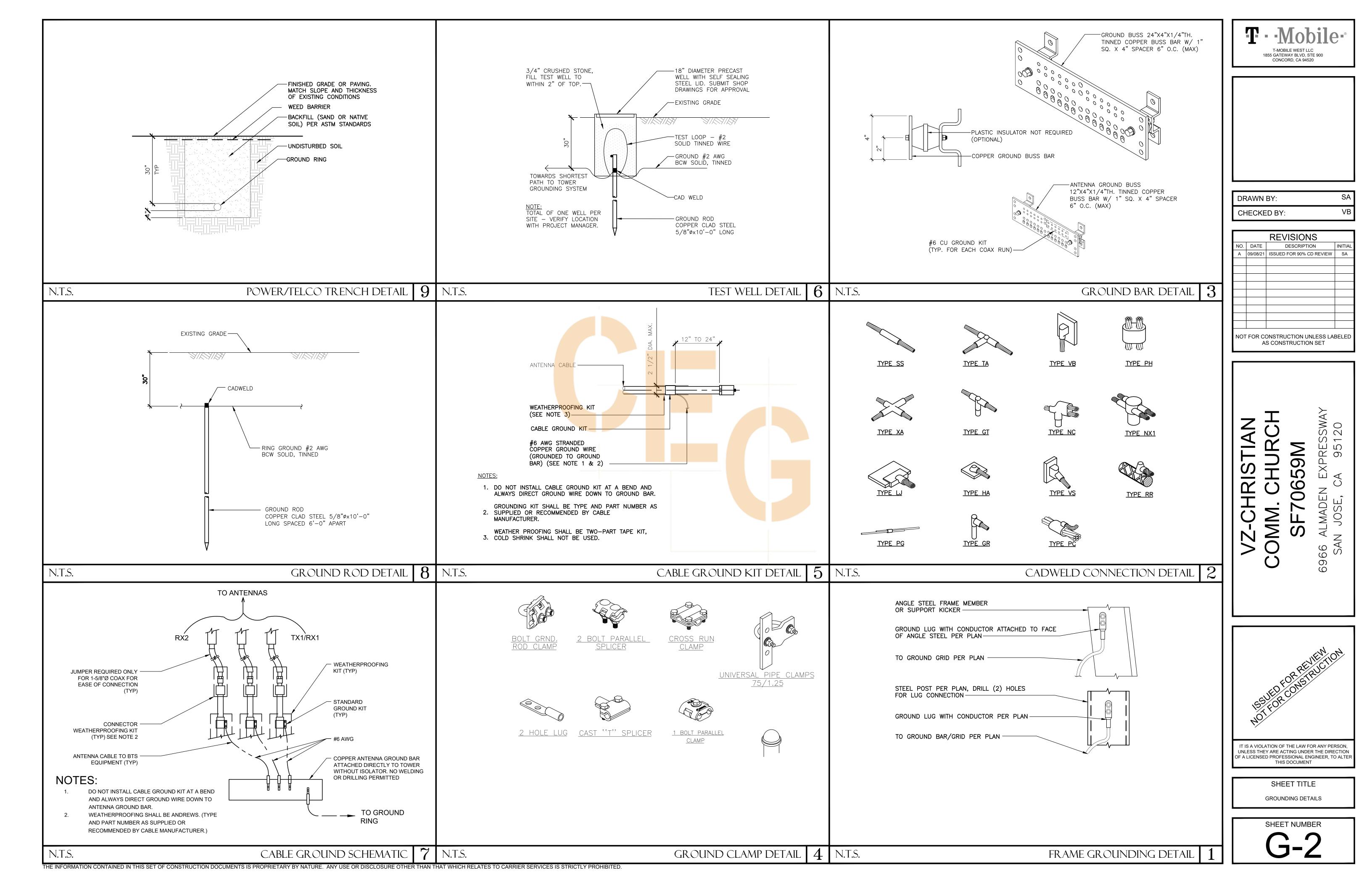




GROUNDING SCHEMATIC

TRUE NORTH

North to be determined by site survey (if possible).



ELECTRIC NOTES:

- 1. ALL ELECTRICAL WORK SHALL CONFORM TO THE CEC AS WELL AS ALL APPLICABLE STATE & LOCAL CODES.
- 2. CONTRACTOR SHALL FURNISH & INSTALL ALL CONDUIT, CONDUCTORS, PULL BOXES, TRANSFORMER PADS, POLE RISERS, & PERFORM ALL TRENCHING & BACKFILLING REQUIRED IN THE PLANS
- 3. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED & PROCURED PER PLAN SPECIFICATIONS.
- 4. ALL CIRCUIT BREAKERS, FUSES, & ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRHPTION RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED W/ A MINIMUM OF 10,000 A.I.C. OR AS REQUIRED
- 5. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES.
- 6. ELECTRICAL WIRING SHALL BE COPPER #12 MIN W/ TYPE XHHW, THWN, OR THHN INSULATION
- 7. ALL OUTDOOR EQUIPMENT SHALL HAVE NEMA 3R ENCLOSURE.
- 8. ALL BURIED WIRE SHALL RUN THROUGH SCHEDULE 40 PVC CONDUIT UNLESS OTHERWISE NOTED.
- 9. A GROUND WIRE IS TO BE PULLED IN ALL CONDUITS.
- 10. WHERE ELECTRICAL WIRING OCCURS OUTSIDE A STRUCTURE & HAS THE POTENTIAL FOR EXPOSURE TO WEATHER, WIRING SHALL BE IN WATERTIGHT GALVANIZED RIGID STEEL OR FLEXIBLE CONDUIT.

ELECTRICAL NOTES 2

NEW PANELBOARD SO	СН	EDL	JLE			C.	DCATION: B. RATING 10,000 A.I.C.
VOLTAGE: 120/240 V., 1¢, 3 W. USE and/or AREA SERVED	M/ C/B	CIR NO	LO		MOU CIR NO		G: SURFACE TYPE: GE A.Q. USE and/or AREA SERVED
_	_	1 3	ØA — —	ØΒ	2		_
_ _	<u> </u>	5		_	4	_	- -
	_	7	_		8	_	
_	_	11			10	_	_
-	_	15	_	<u> </u>	14	_	- -
	_	19		<u> </u>	18	_	
_	_	21	_		20	_	<u> </u>
TOTAL LOAD PER PHASE	_	23		_ _ _	24	_	- VA ÷120V = - AMPS

* LOAD AT 125% PER N.E.C.

EXISTING PANEL SCHEDULE

NEW Panelboard so	СН	ED	ULE	,,			DCATION: B. RATING10,000A.I.C.
VOLTAGE: 120/240 V., 1ø, 3 W.	M A	AINS:	_		MOU	NTIN	G: SURFACE TYPE: GE A.Q.
USE and/or AREA SERVED	C/B	CIR NO	ØA	AD ØB	CIR NO	C/B	USE and/or AREA SERVED
_	_	1	<u>-</u>		2	_	_
_	_	3		_ _	4	_	_
_	_	5			6	_	_
_	_	7			8	_	_
-	_	9			10	_	_
_	_	11			12	_	_
-	_	13	_		14	_	_
-	_	15			16	_	_
_	_	17			18	_	_
-	_	19			20	_	_
_	_	21			22	_	_
_	_	23			24	_	_
TOTAL LOAD PER PHASE			_	_		_	VA ÷120V = − AMPS

* LOAD AT 125% PER N.E.C.

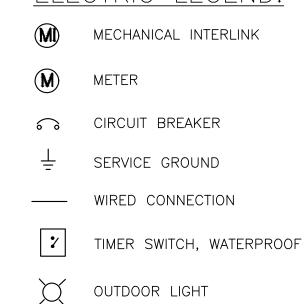
NEW PANEL SCHEDULE 4

3.4.2 FUSE RECOMMENDATIONS FOR AC INPUT

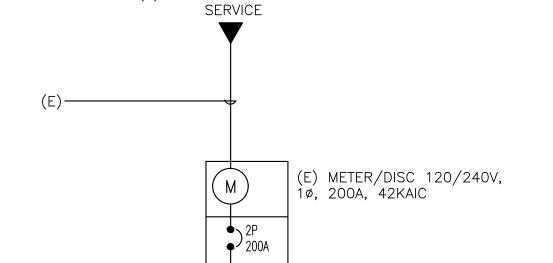
THE TABLE LISTS THE RECOMMENDED FUSE VALUES FOR DIFFERENT AMOUNT OF INSTALLED RECTIFIERS.

Table 7: Fuse	Table 7: Fuse for Split-Phase Feeding 2W + PE							
Amount of Rectifiers	Input Current (A)	Recommended AC Fuses (A)						
1	18	25						
2	36	50						
3	54	80						
4	72	100						
5	90	125						
6	108	125						
7	126	150						
8	144	175						
9	162	200						

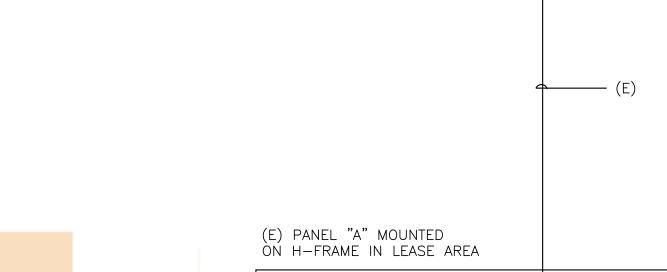
ELECTRIC LEGEND:

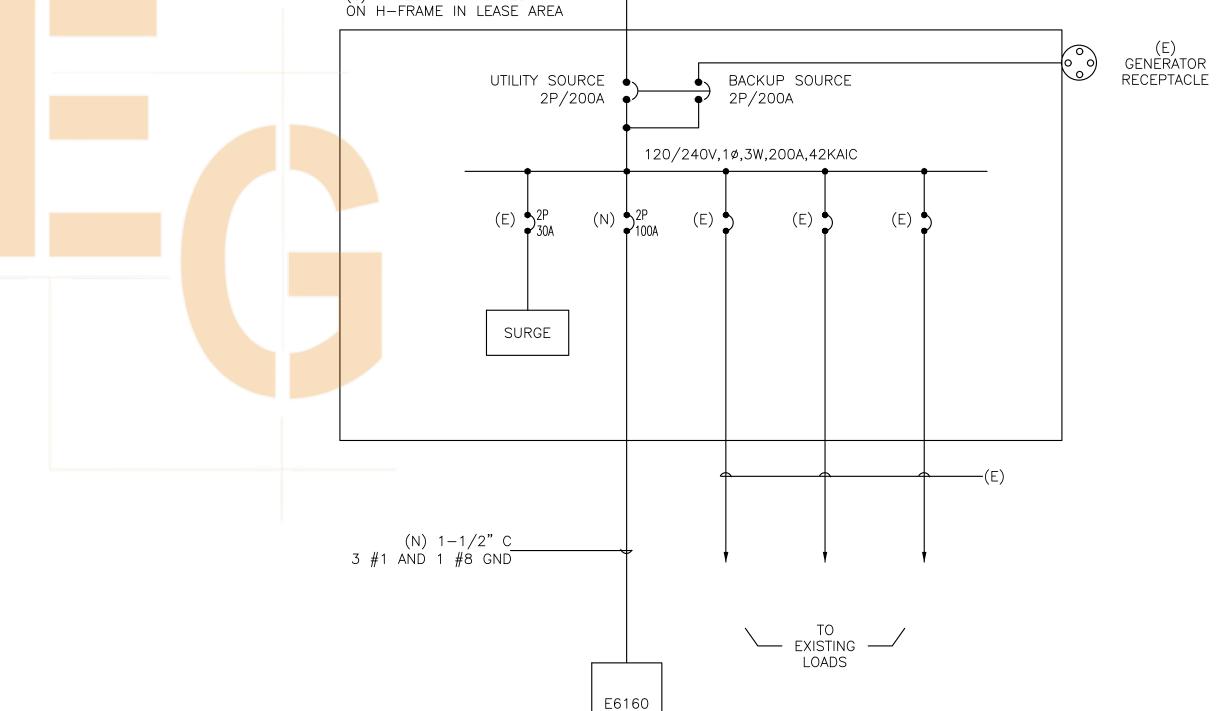


GFI OUTLET, WATERPROOF



(E) INCOMING ELECTRICAL





(N) EQUIPMENT CABINET

T-Mobile West LLC
1855 GATEWAY BLVD, STE 900
CONCORD, CA 94520

DDAMALDY SA

DRAWN BY: SA CHECKED BY: VE

REVISIONS										
NO.	DATE	DESCRIPTION	INITIAL							
Α	09/08/21	ISSUED FOR 90% CD REVIEW	SA							
IOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET										

COMM. CHURCH
SF70659M
SAN JOSE, CA 95120



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

> SHEET TITLE ELECTRICAL SITE PLAN, PANEL SCHEDULE & 1-LINE

SHEET NUMBER

ERICSSON 6160 CABINET, TABLE 7 5

5 |

ONE LINE DIAGRAM