

# T-Mobile®

**SITE NUMBER:** LA02562A      **CITY:** HACIENDA HEIGHTS  
**SITE NAME:** VY137 MEDICAL CENTER      **COUNTY:** LOS ANGELES COUNTY  
**SITE TYPE:** ROOFTOP      **JURISDICTION:** CITY OF LOS ANGELES

**T-Mobile®**  
 Stick Together®  
 3257 E. GUASTI RD., SUITE 200  
 ONTARIO, CA 91761

**PROJECT INFORMATION:**  
**LA02562A**  
**VY137 MEDICAL CENTER**  
 1850 S AZUSA AVE  
 HACIENDA HEIGHTS, CA 91745  
 COUNTY OF LOS ANGELES

**CURRENT ISSUE DATE:**  
 11-19-2014

**ISSUED FOR:**  
 PLAN CHECK

REV.	DATE	DESCRIPTION	BY
2	11-19-14	100% CDs	GC
1	10-17-14	90% CDs FOR REVIEW	GC

**PLANS PREPARED BY:**  
  
 1983 WEST 190TH STREET, SUITE 200  
 TORRANCE, CA 90504  
**TEL:** (310) 464-8404  
**FAX:** (310) 464-8408  
 www.breeneng.com

**CONSULTANT:**  
  
 548A PRESIDIO BLVD.  
 SAN FRANCISCO, CALIFORNIA 94129

**DRAWN BY:** SRS      **CHK.:** GC      **APV.:** LHC

**LICENSURE:**  
  
 REGISTERED PROFESSIONAL ENGINEER  
 NO. 54194  
 EXP. 03-15  
 STRUCTURAL  
 STATE OF CALIFORNIA

**SHEET TITLE:**  
 TITLE SHEET

**SHEET NUMBER:** T1      **REVISION:** 2  
 LA02562A

**PROJECT SUMMARY**

**SITE ADDRESS:**  
 1850 S AZUSA AVE  
 HACIENDA HEIGHTS, CA 91745  
 LAT: 33° 59' 19.4" N  
 LONG: 117° 55' 54.4" W

**PROPERTY OWNER CONTACT:**  
 INTERHEALTH CORP.  
 12102 WASHINGTON BLVD  
 WHITTIER, CA 90606-2612  
 APN: 8295-012-163

**APPLICANT:**  
 T-MOBILE WEST CORP.  
 3257 E. GUASTI RD., SUITE 200  
 ONTARIO, CA 91761

**PROJECT DESCRIPTION:**  
 THE PROJECT CONSISTS OF THE MODIFICATION OF AN EXISTING PREVIOUSLY APPROVED WIRELESS FACILITY WITH THE FOLLOWING:  
 \* RELOCATE 3 (E) AIR21 PANEL ANTENNAS (1 PER SECTOR).  
 \* INSTALL 3 (N) LNX-6512DS-A1M 4' PANEL ANTENNAS (1 PER SECTOR).  
 \* INSTALL 3 (N) RRUS11 B12 NEAR (E) RRUS (1 PER SECTOR).  
 \* INSTALL 1 (N) DC CONDUCTORS TO (N) RRUS.  
 \* UPGRADE DC POWER IN CABINET.

**BUILDING SUMMARY:**  
 OCCUPANCY CLASSIFICATION: UNMANNED TELECOMMUNICATION FACILITY  
 ZONE: C-3-BE  
 BUILDING USE: -  
 CONSTRUCTION TYPE: I-B

**SHEET INDEX**

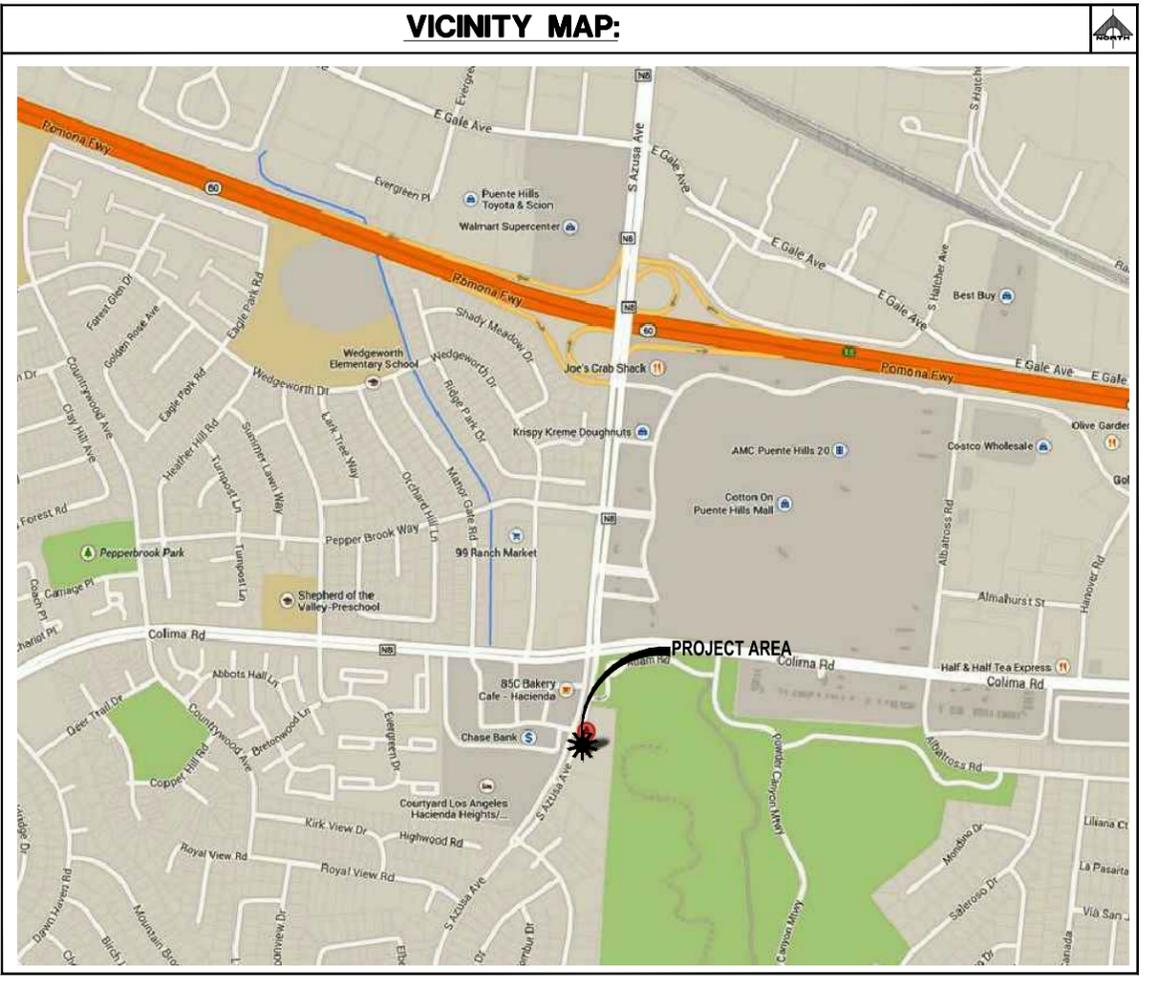
SHEET	DESCRIPTION
T1	TITLE SHEET
T2	GENERAL NOTES AND SPECIFICATIONS
A1	SITE PLAN
A2	EQUIPMENT/ANTENNA LAYOUT PLAN & ANTENNA SCHEDULE
A3	ELEVATIONS
A4	ELEVATIONS
A5	DETAILS

**CONSULTING TEAM**

<b>SAC / ZONING:</b> CORTEL, LLC 14621 ARROYO HONDO SAN DIEGO, CALIFORNIA 92127 CONTACT: JASON OFFINEER PHONE: (619) 370-4859	<b>ARCHITECTURAL/ENGINEERING:</b> BREEN ENGINEERING INC. 1983 WEST 190TH ST. SUITE 200 TORRANCE, CALIFORNIA 90504 CONTACT: LUIS CARDONA PHONE: (310) 464-8404 FAX: (310) 464-8408 CELL: (562) 652-5330
--	---

**APPROVALS:**  
 THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE 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.

	PRINT NAME	SIGNATURE	DATE
LANDLORD	_____	_____	_____
DEVELOP. MGR	_____	_____	_____
CONST. MGR	_____	_____	_____
ZONING MGR	_____	_____	_____
RF ENGINEER	_____	_____	_____
SAC REP.	_____	_____	_____
FOPS	_____	_____	_____



**DIRECTIONS FROM T-MOBILE OFFICE:**  
 MERGE ONTO CA-118 E, TAKE THE EXIT ONTO I-5 S TOWARD LOS ANGELES, MERGE ONTO I-10/I-5 S, KEEP LEFT AT THE FORK TO CONTINUE ON I-5 S, FOLLOW SIGNS FOR CALIFORNIA 60 E/POMONA/INTERSTATE 5 S/SOTO ST/SANTA ANA, TAKE THE EXIT ON THE LEFT ONTO CA-60 E/POMONA FWY TOWARD POMONA, TAKE THE AZUSA AVE EXIT, TURN RIGHT ONTO S AZUSA AVE, CONTINUE STRAIGHT TO STAY ON S AZUSA AVE, MAKE A U-TURN.

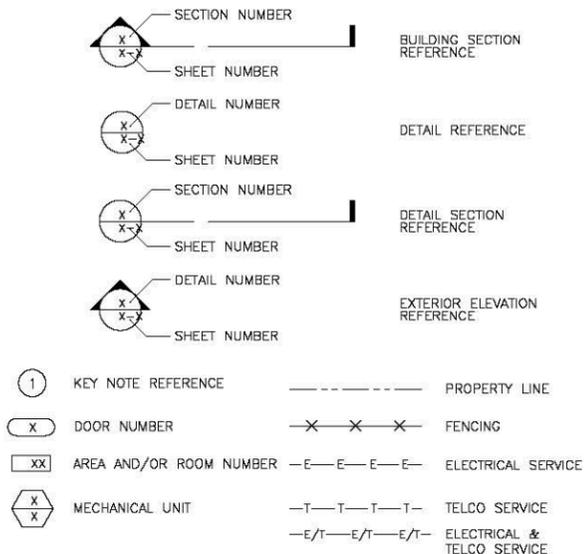
**LATITUDE AND LONGITUDE**  
 LAT: 33° 59' 19.4" N  
 LONG: 117° 55' 54.4" W

- APPLICABLE CODES:**
- |                                     |                                     |                                     |
|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. 2013 CALIFORNIA BUILDING CODE    | 5. 2010 CALIFORNIA ENERGY CODE      | 9. 2011 NATIONAL ELECTRIC CODE      |
| 2. 2013 CALIFORNIA TITLE 24         | 6. 2013 CALIFORNIA PLUMBING CODE    | 10. 2009 UNIFORM MECHANICAL CODE    |
| 3. 2013 CALIFORNIA FIRE CODE        | 7. 2013 CALIFORNIA MECHANICAL CODE  | 11. 2009 UNIFORM PLUMBING CODE      |
| 4. 2013 CALIFORNIA RESIDENTIAL CODE | 8. 2012 INTERNATIONAL BUILDING CODE | 12. TIA/EIA-222-G OR LATEST EDITION |

**ABBREVIATIONS**

AB	ANCHOR BOLT	LAM	LAMINATED
A/C	ASPHALTIC CONCRETE	LBS	POUNDS
ADJ	AIR CONDITIONING	LT	LIGHT
A.F.F.	ADJUSTABLE	LA	LIGHTNING ARRESTOR
ARCH	ABOVE FINISH FLOOR	LNA	LOW NOISE AMPLIFIER
APPROX	ARCHITECTURAL	MFR	MANUFACTURER
A.C.L.	APPROXIMATELY	MAT	MATERIAL
A.M.S.L.	ABOVE GRADE LEVEL	MAX	MAXIMUM
	ABOVE MEAN SEA LEVEL	MECH	MECHANICAL
BD	BOARD	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
BLKG	BLOCKING	ML	METAL LATH
BOT	BOTTOM	MO	MASONRY OPENING
BMT	BASEMENT	MS	MACHINE SCREW
BTS	BASE TRANSCIEVER STATION	MTD	MOUNTED
		MTL	METAL
C	COURSE(S)	(N)	NEW
CEM	CEMENT	NIC	NOT IN CONTRACT
CL	CHAIN LINK	NO	NUMBER
CLG	CEILING	NTS	NOT TO SCALE
CLR	CLEAR		
COL	COLUMN	OA	OVERALL
CONC	CONCRETE	O.C.	ON CENTER
CONST	CONSTRUCTION	OPNG	OPENING
CONT	CONTINUOUS	OPP	OPPOSITE
CORR	CORRIDOR		
CO	CONDUIT ONLY	PARTN	PARTITION
		PL	PLATE
DIA	DIAMETER	PLAS	PLASTER
DBL	DOUBLE	PLYWD	PLYWOOD
DEPT	DEPARTMENT	POC	POINT OF CONNECTION
DEMO	DEMOLITION	PROP	PROPERTY
DM	DIMENSION	PT	PRESSURE TREATED
DN	DOWN		
DR	DOOR	R	RISER
DTL	DETAIL	REQD	REQUIRED
DWG	DRAWING	RD	ROOF DRAIN
		RM	ROOM
		RMS	ROOMS
		RO	ROUGH OPENING
(E)	EXISTING	SC	SOLID CORE
EA	EACH	SCHED	SCHEDULE
ELEC	ELECTRIC	SECT	SECTION
ELEV	ELEVATION	SHT	SHEET
EQUIP	EQUIPMENT	SIM	SIMILAR
EXP	EXPANSION	SPECS	SPECIFICATIONS
EXT	EXTERIOR	SS	STAINLESS STEEL
FA	FIRE ALARM	STL	STEEL
FB	FLAT BAR	STOR	STORAGE
FF	FINISH FLOOR	STRUCT	STRUCTURAL
FH	FLAT HEAD	SUSP	SUSPENDED
FIN	FINISH(ED)	SW	SWITCH
FLR	FLOOR	SWB	SWITCHBOARD
FOS	FACE OF STUDS		
FS	FINISH SURFACE	THK	THICK
FT	FOOT	TI	TENANT IMPROVEMENT
FTG	FOOTING	TMA	TOWER MOUNTED AMPLIFIER
FW	FINISH WALL	TOS	TOP OF SURFACE
F.C.	FINISH GRADE	TS	TUBE STEEL
FUT	FUTURE	TYP	TYPICAL
		UNO	UNLESS NOTED OTHERWISE
GA	GAUGE		
GALV	GALVANIZED	VCT	VINYL COMPOSITION
GL	GLASS		
GR	GRADE	VERT	VERTICAL
GYP	GYP-SUM	V.I.F.	VERIFY IN FIELD
GFCI	GROUND FAULT CIRCUIT INTERRUPT	VG	VERTICAL GRAIN
GND	GROUND		
HC	HOLLOW CORE	W/	WITH
HDW	HARDWARE	WD	WOOD
HTR	HEATER	WR	WATER RESISTANT
HM	HOLLOW METAL	WT	WEIGHT
HORIZ	HORIZONTAL		
HR	HOUR	XFMR	TRANSFORMER
HT	HEIGHT		
HV	HIGH VOLTAGE		
		@	AT
ID	INSIDE DIMENSION	∟	CHANNEL
INS	INSULATION	∕	CENTERLINE
INT	INTERIOR	∠	ANGLE
		∕	PROPERTY LINE
JT	JOINT	∕	

**SYMBOLS:**



**GENERAL:**

- THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.
- THE CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES AS THEY MAY BE DISCOVERED IN THE PLANS, SPECIFICATIONS, AND NOTES PRIOR TO STARTING CONSTRUCTION. INCLUDING BUT NOT LIMITED BY DEMOLITION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERRORS, 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.
- 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.
- 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 CONTRACTORS 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, ADDENDUM'S, OR CHANGE ORDERS. THE CONTRACTOR SHALL FORWARD THE AS-BUILT DRAWINGS TO THE ARCHITECT/ENGINEER AT THE CONCLUSION OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE FROM START OF PROJECT TO COMPLETION OF PROJECT.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER, AND TOILET FACILITIES.
- ALL CONSTRUCTION THROUGH THE PROJECT SHALL CONFORM TO THE 2007 C.B.C. AND ALL THE OTHER LATEST GOVERNING CODES.
- 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.
- THE CONTRACTOR SHALL SUPERVISE AND COORDINATE ALL WORK, USING HIS PROFESSIONAL KNOWLEDGE AND SKILLS. HE IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCING AND COORDINATING ALL PORTIONS OF THE WORK.
- 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.
- ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR SUPPORTS FOR INSTALLATION OF ITEMS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL PROVIDE THE FIRE MARSHALL APPROVED MATERIALS TO FILL/SEAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.
- NEW CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR UNLESS NOTED OTHERWISE IN THE PLANS.
- WHERE SPECIFIED, MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR RECORDING THE RESULTS.
- ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.
- ALL DEBRIS AND REFUGE IS TO BE REMOVED FROM THE PROJECT DAILY. PREMISES SHALL BE LEFT IN A CLEAN BROOM FINISHED CONDITION AT ALL TIMES.
- 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.
- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTORS SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.
- THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSION, ELEVATION, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW 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.
- 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 ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES.
- 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.
- 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.
- 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.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE EXECUTION OF THIS WORK. GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER AND ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS, PRIOR TO STARTING WORK.

**SITE PREPARATION NOTES:**

- 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 NEW STRUCTURE.
- BACK FILLING AT TRENCHES SHALL BE OF CLEAN, STERILE SOIL HAVING A SAND EQUIVALENT OF 30 OR GREATER. BACK FILLING SHALL BE DONE IN 8 INCH LAYERS, MOISTURE CONDITIONED AND PROPERLY COMPACTED. ADEQUATE DRAINAGE SHALL BE PROVIDED SUCH THAT NO PONDING OCCURS.
- ALL FOUNDATION FOOTINGS SHALL EXTEND INTO AND BEAR AGAINST NATURAL UNDISTURBED SOIL OR APPROVED COMPACTED FILL. FOOTINGS SHALL EXTEND INTO SOIL DEPTH AS INDICATED IN PLANS.
- SHOULD ANY LOOSE FILL, EXPANSIVE SOIL, GROUND WATER OR ANY OTHER UNEXPECTED CONDITIONS BE ENCOUNTERED DURING THE EXCAVATION FOR THE NEW FOUNDATION, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED AND ALL FOUNDATION WORK SHALL CEASE IMMEDIATELY.
- WITHIN AN AREA A MINIMUM OF 5 FEET BEYOND THE BUILDING LIMITS, EXCAVATE A MINIMUM OF 4" OF EXISTING SOIL. REMOVE ALL ORGANICS, PAVEMENT, ROOTS, DEBRIS AND OTHERWISE UNSUITABLE MATERIAL.
- 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.
- 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.
- FILL ALL EXCAVATED AREAS WITH APPROVED CONTROLLED FILL. PLACE IN 6" LOOSE LIFTS AND THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-698. COMPACT TO A MINIMUM OF 90% RELATIVE COMPACTION.
- THE STRUCTURAL DRAWINGS HERE IN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO NEW 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.
- WHEN REQUIRED STORAGE OF MATERIALS OCCURS, THEY SHALL BE EVENLY DISTRIBUTED OVER THE FLOOR OR ROOF SO AS NOT TO EXCEED THE DESIGNED LIVE LOADS FOR THE STRUCTURE. TEMPORARY SHORING OR BRACING SHALL BE PROVIDED WHERE THE STRUCTURE OR SOIL HAS NOT ATTAINED THE DESIGN STRENGTH FOR THE CONDITIONS PRESENT.
- PRIOR TO 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 FOR SHOP DRAWINGS, MILL TESTS, PRODUCT DATA, ECT. 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 ADVANCED TO 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 SELECTION FABRICATION PROCESSES.

**ACCESSIBILITY NOTE:**

THE TELECOMMUNICATIONS EQUIPMENT SPACE SHOWN HEREON 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 2007 C.B.C. CHAPTER 11, THIS FACILITY SHALL BE EXEMPTED FROM ALL TITLE 24 ACCESS REQUIREMENTS.

**BID WALK NOTES:**

- CONTRACTOR TO FIELD VERIFY ALL EXISTING CONSTRUCTION CONDITIONS BEFORE SUBMITTAL OF FINAL BIDS, START OF CONSTRUCTION AND/OR FABRICATION. AFTER THOROUGHLY EXAMINING THE PLANS AND EXISTING SITE CONDITIONS NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES OR ANY ITEMS NEEDING CLARIFICATIONS PRIOR TO SUBMITTING FINAL BIDS.
- IF THE ENGINEER IS NOT NOTIFIED OF ANY DISCREPANCIES OR CLARIFICATIONS IN WRITING AS DESCRIBED IN #1 IT WILL BE CONFIRMED THAT THE CONTRACTOR HAS CONSIDERED ALL ITEMS THAT WILL AFFECT THE COST OF THE CONSTRUCTION OF THE SITE UNDER THE MOST STRINGENT CONDITIONS. THE CONTRACTOR WILL NOT BE ENTITLED TO ANY ADDITIONAL COMPENSATION AFTER THE FINAL BIDS HAVE BEEN SUBMITTED AND AWARDED FROM THE CARRIER.

**STRUCTURAL STEEL:**

- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST REVISED EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION, WHICH INCLUDES THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, THE CODE OF STANDARD PRACTICE AND THE AWS STRUCTURAL WELDING CODE. IDENTIFY AND MARK STEEL PER 2007 C.B.C. SECTION 2203.
- STRUCTURAL STEEL SHOP DRAWINGS SHALL BE REVIEWED BY THE ENGINEER/ARCHITECT PRIOR TO FABRICATION.
- 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.
- ALL EXPOSED WELDS SHALL BE FILLED AND GROUND SMOOTH WHERE METAL COULD COME IN CONTACT WITH THE PUBLIC.
- 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 NOTED OTHERWISE. NO CUTTING OR BURNING OF STRUCTURAL STEEL WILL BE PERMITTED WITHOUT PRIOR CONSENT OF THIS ENGINEER.
- WELDING: CONFORM TO AWS D1 1. WELDERS SHALL BE CERTIFIED IN ACCORDANCE WITH WABO REQUIREMENTS. USE E70 ELECTRODES OF TYPE REQUIRED FOR MATERIALS TO BE WELDED.
- BOLTING: ASTM A307 BOLTS SHALL BE INSTALLED "SNUG TIGHT" PER AISC. SECTION R308 (C) ASTM A325 BOLTS SHALL CONFORM TO THE R308 SPECIFICATION SECTION 8 (D).
- 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 OFFICIAL.
- GALVANIZING: ALL EXPOSED STEEL OUTSIDE THE BUILDING ENVELOPE SHALL BE HOT-DIPPED GALVANIZED. APPLY FIELD TOUCH-UPS PER SPECIFICATIONS. PER ASTM A153.

**STRUCTURAL STEEL:**

- MATERIALS:** CONFORM TO
- ANCHOR BOLTS (HEADED): ASTM A307
  - ANCHOR BOLTS (J-TYPE): ASTM A36
  - BARS AND PLATES: ASTM A36
  - BOLTS: ASTM A307
  - C-, M-, AND ANGLE SHAPES: ASTM A36
  - DEFORMED WELDED WIRE FABRIC: ASTM A497
  - EPOXY AND EXPANSION ANCHORS: HILTI OR EQUIVALENT
  - GROUT: EMBECO OR EQUIVALENT
  - HIGH-STRENGTH BOLTS: ASTM A325SC OR (A325N)
  - OTHER STRUCTURAL SHAPES: ASTM A36
  - REINFORCING BARS: ASTM A615, GRADE 60, DEFORMED BARS
  - SMOOTH WELDED WIRE FABRIC: ASTM A185
  - STRUCTURAL WF SHAPES: ASTM A572-GR50
  - STEEL PIPE: ASTM A53, GRADE B
  - TIE WIRE: 16.5 GAGE OR HEAVIER, BLACK ANNEALED
  - TUBE STEEL AND PIPE COLUMNS: ASTM A500, GRADE B
  - WELDING ELECTRODES: E70XX
  - W - SHAPES: ASTM A992, GRADE 50

**STRUCTURAL STEEL NOTES:**

- 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 PERMITTED.
- 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.

**Mobile**  
Stick Together®  
3257 E. GUASTI RD., SUITE 200  
ONTARIO, CA 91761

PROJECT INFORMATION:  
**LA02562A**  
**VY137 MEDICAL CENTER**  
1850 S AZUSA AVE  
HACIENDA HEIGHTS, CA 91745  
COUNTY OF LOS ANGELES

CURRENT ISSUE DATE:  
**11-19-2014**

ISSUED FOR:  
**PLAN CHECK**

REV.	DATE	DESCRIPTION	BY
2	11-19-14	100% CDs	GC
1	10-17-14	90% CDs FOR REVIEW	GC

PLANS PREPARED BY:  
  
1853 WEST 190TH STREET, SUITE 200  
TORRANCE, CA 90504  
TEL: (310) 464-8404  
FAX: (310) 464-8408  
www.breeneng.com

CONSULTANT:  
  
548A PRESIDIO BLVD.  
SAN FRANCISCO, CALIFORNIA 94129

DRAWN BY: SRS      CHK.: GC      APV.: LHC

LICENSE:

SHEET TITLE:  
**GENERAL NOTES, SPECIFICATIONS, ABBREVIATIONS AND SYMBOLS**

SHEET NUMBER: **T2**      REVISION: **2**  
LA02562A

REV.	DATE	DESCRIPTION	BY
2	11-19-14	100% CDs	GC
1	10-17-14	90% CDs FOR REVIEW	GC

PLANS PREPARED BY:



**BREEN**  
Engineering Inc.  
1853 WEST 190TH STREET, SUITE 200  
TORRANCE, CA 90504  
TEL: (310) 464-8404  
FAX: (310) 464-8408  
www.breeneng.com

CONSULTANT:



**Cortel, LLC**  
548A PRESIDIO BLVD.  
SAN FRANCISCO, CALIFORNIA 94129

DRAWN BY: SRS      CHK.: GC      APV.: LHC

LICENSURE:

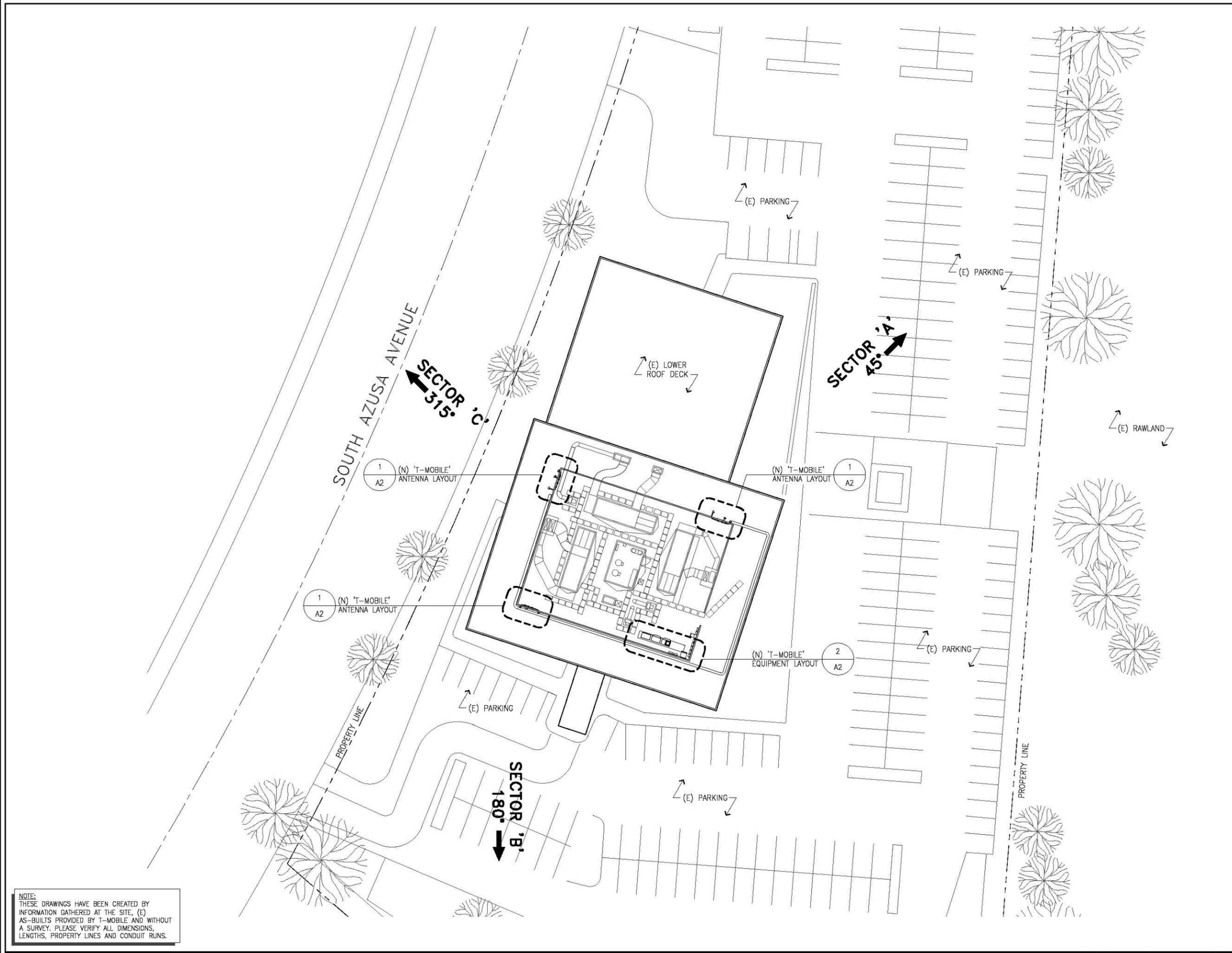


REGISTERED PROFESSIONAL ENGINEER  
PAUL C. PINA  
NO. 54194  
EXP. 03-15  
STRUCTURAL  
STATE OF CALIFORNIA

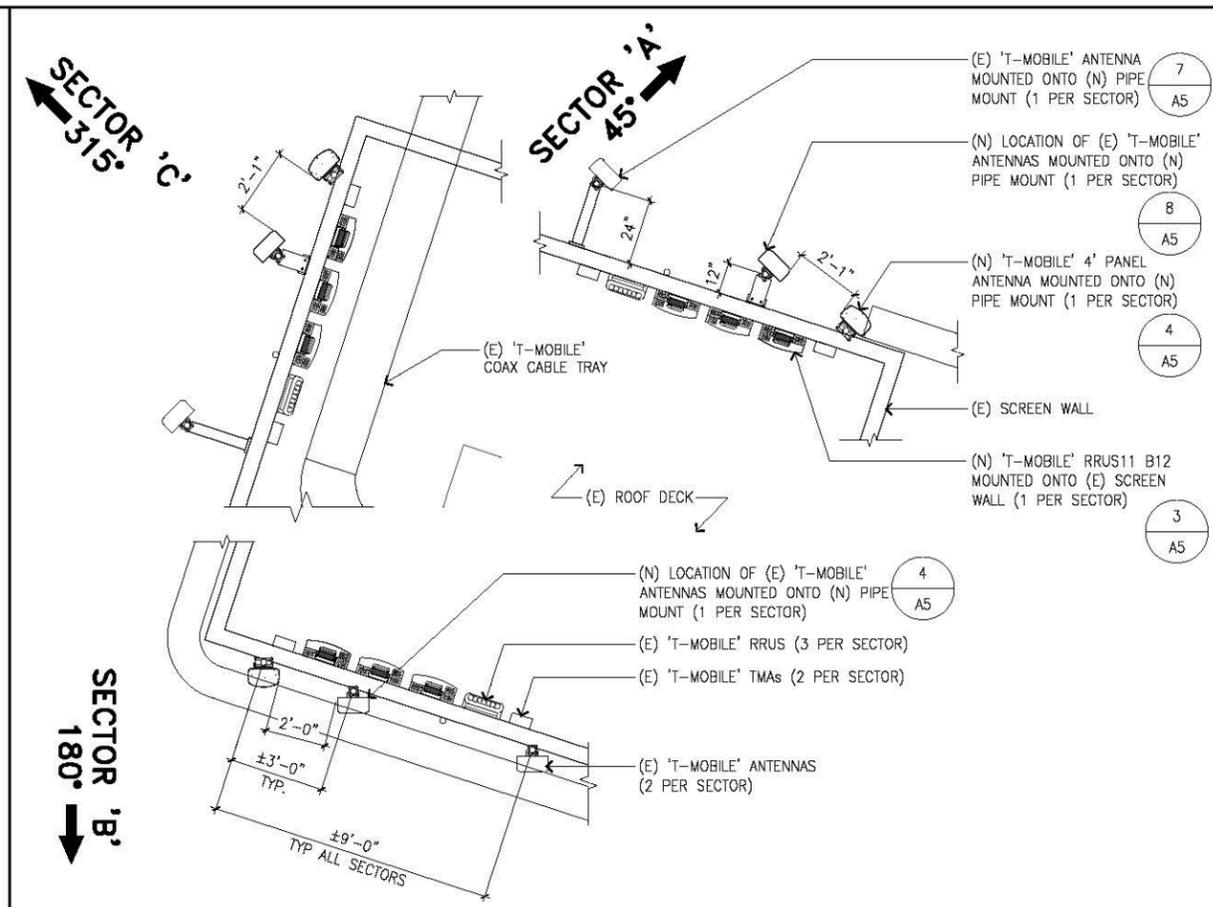
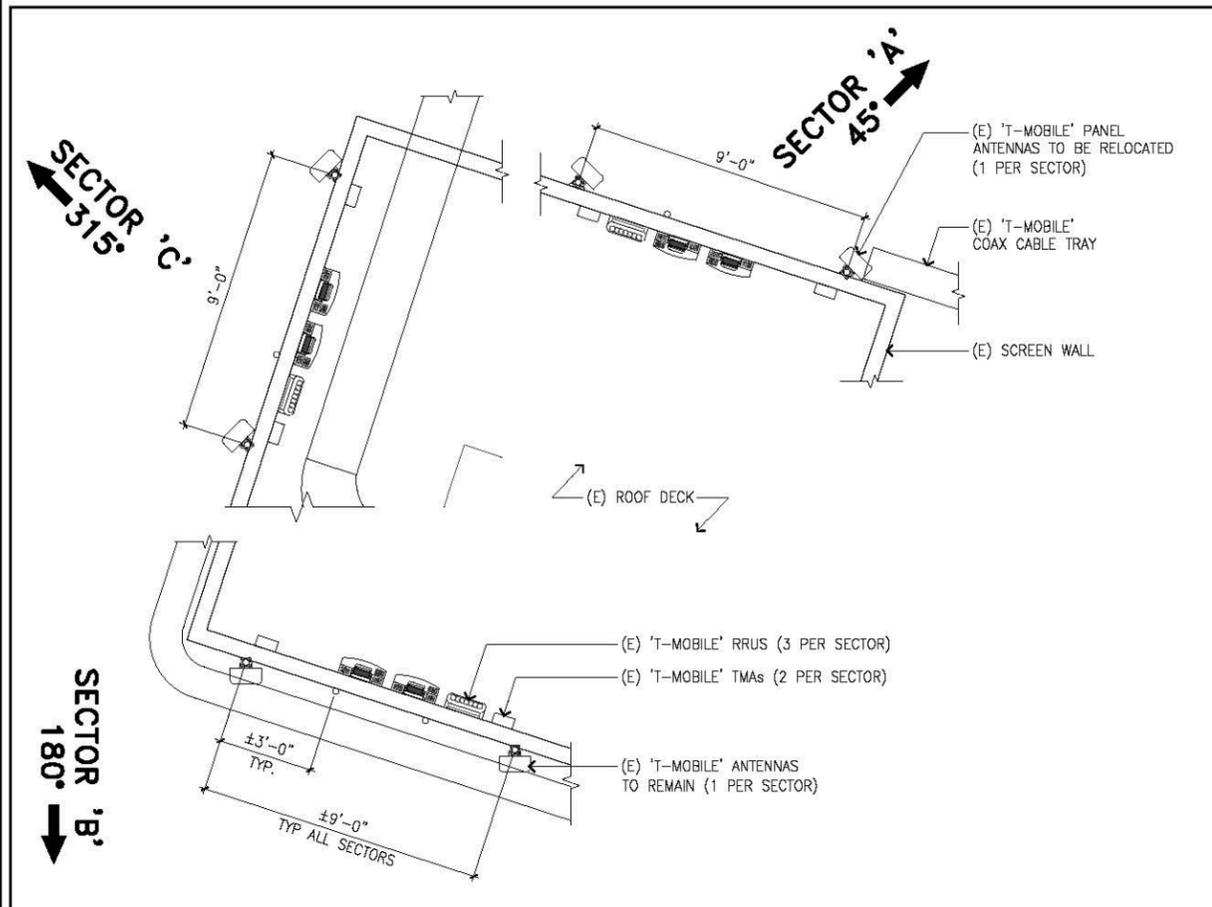
SHEET TITLE:  
**SITE PLAN**

SHEET NUMBER: **A1**      REVISION: **2**

LA02562A



NOTE:  
THESE DRAWINGS HAVE BEEN CREATED BY  
INFORMATION GATHERED AT THE SITE, (E)  
AS-BUILTS PROVIDED BY T-MOBILE AND WITHOUT  
A SURVEY. PLEASE VERIFY ALL DIMENSIONS,  
LENGTHS, PROPERTY LINES AND CONDUIT RUNS.



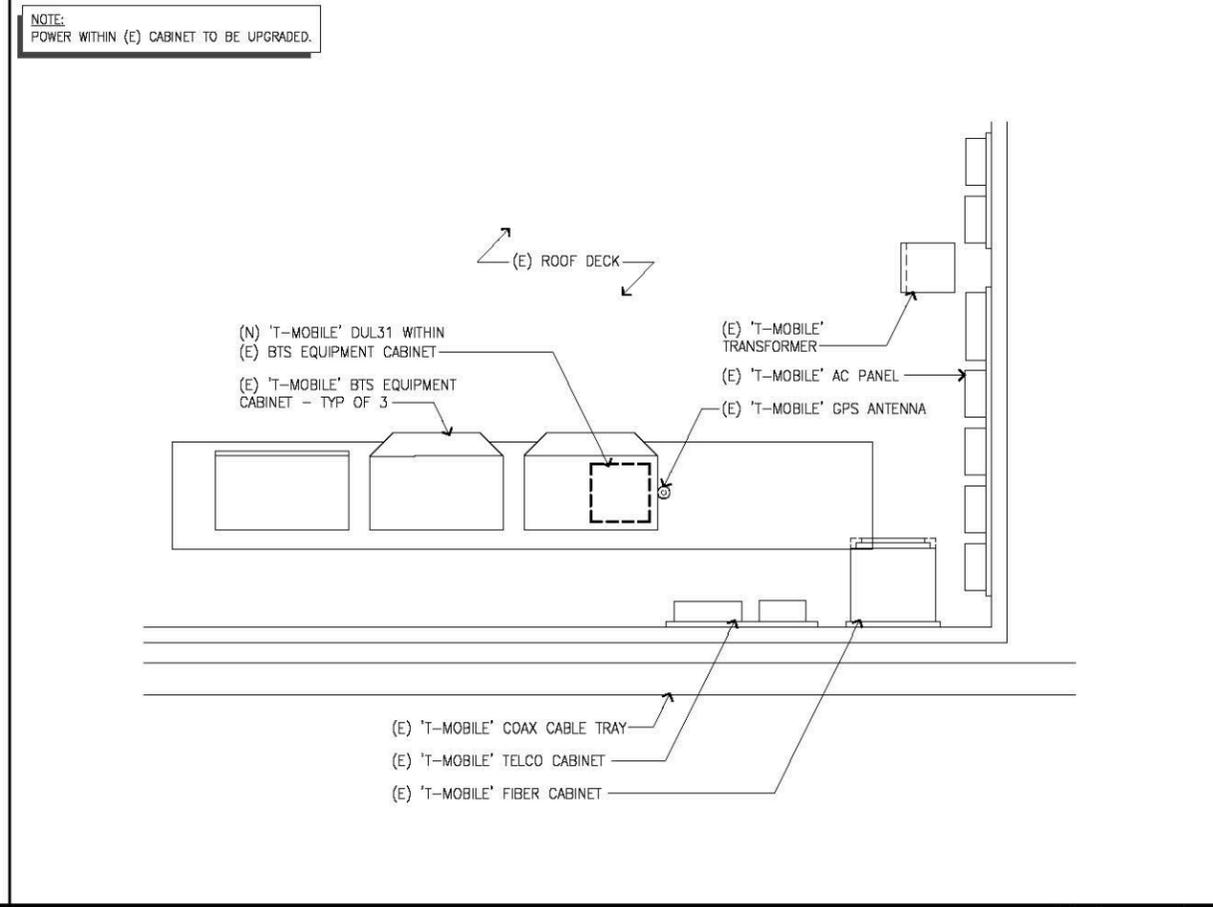
**(E) ANTENNA LAYOUT PLAN** SCALE 3/8"=1'-0" **3**

**(N) ANTENNA LAYOUT PLAN** SCALE 3/8"=1'-0" **1**

**(E) ANTENNA & CABLE SCHEDULE**

SECTOR	ANTENNA			HEIGHT	WEIGHT	AZIMUTH	RAD CENTER	TMA / RRU	CABLE TYPE	CABLE LENGTH	
	MANUFACTURER	MODEL	TECHNOLOGY								
ALPHA	A1	ANDREW	TMBXX-6516-R2M	GSM_PCS UMTS_PCS	59"	34.6 lbs	45°	46'-0"	(1) RRUS01 B2 (1) RRUS11 B2	(4) 7/8" COAX	130'
	A2	ANDREW	TMBXX-6516-R2M	LTE UMTS_AWS	59"	34.6 lbs	45°	46'-0"	(1) RRUS11 B4 (1) TWIN AWS		
	A3	-	-	-	-	-	-	-	-		
BETA	B1	ANDREW	TMBXX-6516-R2M	GSM_PCS UMTS_PCS	59"	34.6 lbs	180°	46'-0"	(1) RRUS01 B2 (1) RRUS11 B2	(4) 7/8" COAX	80'
	B2	ANDREW	TMBXX-6516-R2M	LTE UMTS_AWS	59"	34.6 lbs	180°	46'-0"	(1) RRUS11 B4 (1) TWIN AWS		
	B3	-	-	-	-	-	-	-	-		
GAMMA	C1	ANDREW	TMBXX-6516-R2M	GSM_PCS UMTS_PCS	59"	34.6 lbs	315°	46'-0"	(1) RRUS01 B2 (1) RRUS11 B2	(4) 7/8" COAX	150'
	C2	ANDREW	TMBXX-6516-R2M	LTE UMTS_AWS	59"	34.6 lbs	315°	46'-0"	(1) RRUS11 B4 (1) TWIN AWS		
	C3	-	-	-	-	-	-	-	-		

\* COAX CABLE LENGTH IS APPROXIMATE



**(N) ANTENNA & CABLE SCHEDULE**

SECTOR	ANTENNA			HEIGHT	WEIGHT	AZIMUTH	RAD CENTER	TMA / RRU	CABLE TYPE	CABLE LENGTH	
	MANUFACTURER	MODEL	TECHNOLOGY								
ALPHA	A1	ANDREW	TMBXX-6516-R2M	GSM_PCS UMTS_PCS	59"	34.6 lbs	45°	46'-0"	(1) RRUS01 B2 (1) RRUS11 B2	(4) 7/8" COAX	130'
	A2	ANDREW	TMBXX-6516-R2M	LTE UMTS_AWS	59"	34.6 lbs	45°	46'-0"	(1) RRUS11 B4 (1) TWIN AWS		
	A3	ANDREW	LNR-6612DS-A1M	LTE 700	48.5"	28.7 lbs	45°	46'-0"	(1) RRUS11 B12		
BETA	B1	ANDREW	TMBXX-6516-R2M	GSM_PCS UMTS_PCS	59"	34.6 lbs	180°	46'-0"	(1) RRUS01 B2 (1) RRUS11 B2	(4) 7/8" COAX	80'
	B2	ANDREW	TMBXX-6516-R2M	LTE UMTS_AWS	59"	34.6 lbs	180°	46'-0"	(1) RRUS11 B4 (1) TWIN AWS		
	B3	ANDREW	LNR-6612DS-A1M	LTE 700	48.5"	28.7 lbs	180°	46'-0"	(1) RRUS11 B12		
GAMMA	C1	ANDREW	TMBXX-6516-R2M	GSM_PCS UMTS_PCS	59"	34.6 lbs	315°	46'-0"	(1) RRUS01 B2 (1) RRUS11 B2	(4) 7/8" COAX	150'
	C2	ANDREW	TMBXX-6516-R2M	LTE UMTS_AWS	59"	34.6 lbs	315°	46'-0"	(1) RRUS11 B4 (1) TWIN AWS		
	C3	ANDREW	LNR-6612DS-A1M	LTE 700	48.5"	28.7 lbs	315°	46'-0"	(1) RRUS11 B12		

\* COAX CABLE LENGTH IS APPROXIMATE

**ANTENNA SCHEDULE** SCALE 3/8"=1'-0" **4**

**EQUIPMENT LAYOUT PLAN** SCALE 3/8"=1'-0" **2**

**T-Mobile**  
Stick Together®  
3257 E. GUASTI RD., SUITE 200  
ONTARIO, CA 91761

PROJECT INFORMATION:  
**LA02562A**  
**VY137 MEDICAL CENTER**  
1850 S AZUSA AVE  
HACIENDA HEIGHTS, CA 91745  
COUNTY OF LOS ANGELES

CURRENT ISSUE DATE:  
**11-19-2014**

ISSUED FOR:  
**PLAN CHECK**

REV.	DATE	DESCRIPTION	BY
2	11-19-14	100% CDs	GC
1	10-17-14	90% CDs FOR REVIEW	GC

PLANS PREPARED BY:  
**BREEN Engineering Inc**  
1853 WEST 190TH STREET, SUITE 200  
TORRANCE, CA 90504  
TEL: (310) 464-8404  
FAX: (310) 464-8408  
www.breeneng.com

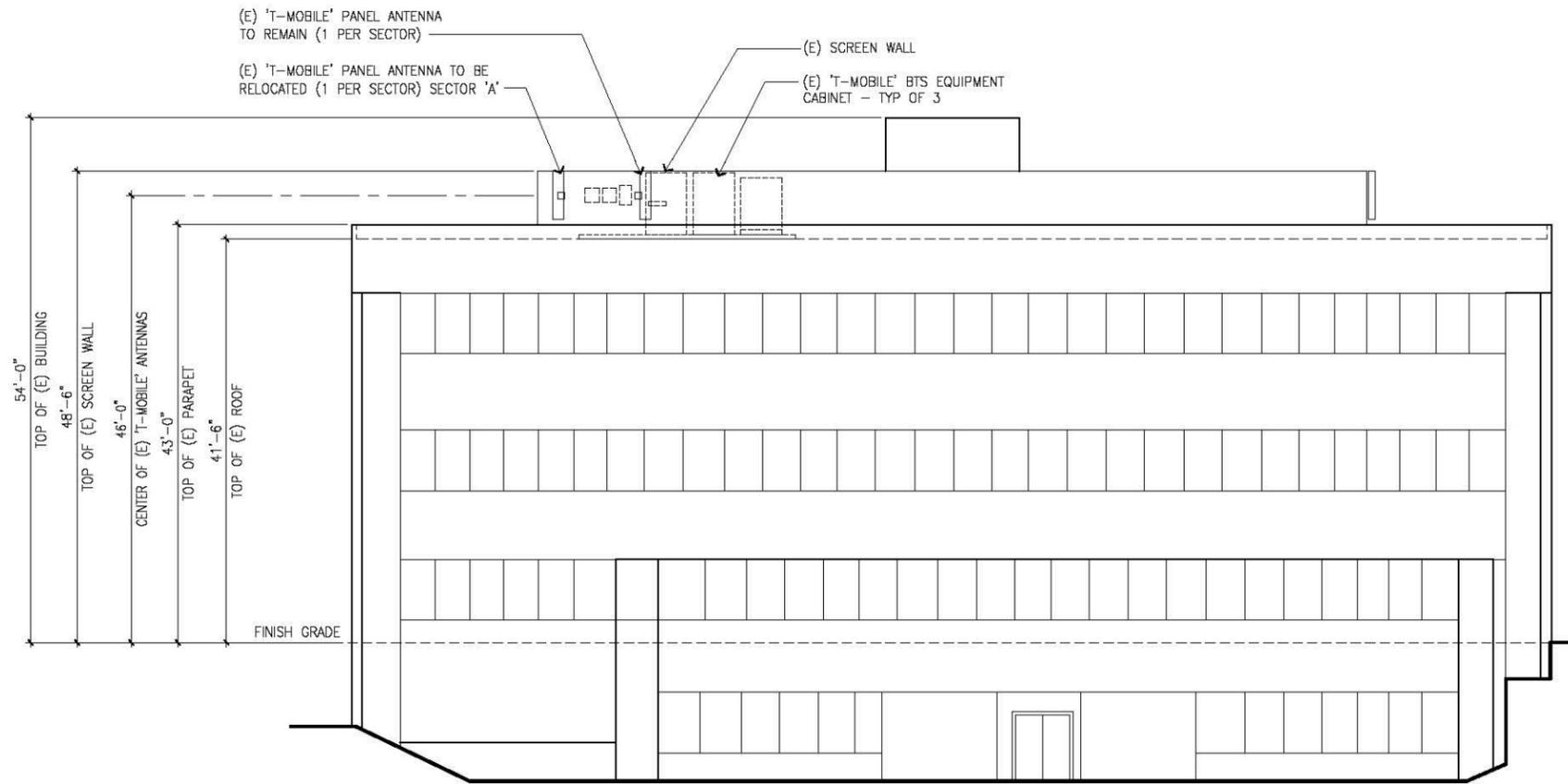
CONSULTANT:  
**Cortel, LLC**  
548A PRESIDIO BLVD.  
SAN FRANCISCO, CALIFORNIA 94129

DRAWN BY: SRS  
CHK.: GC  
APV.: LHC

LICENSURE:

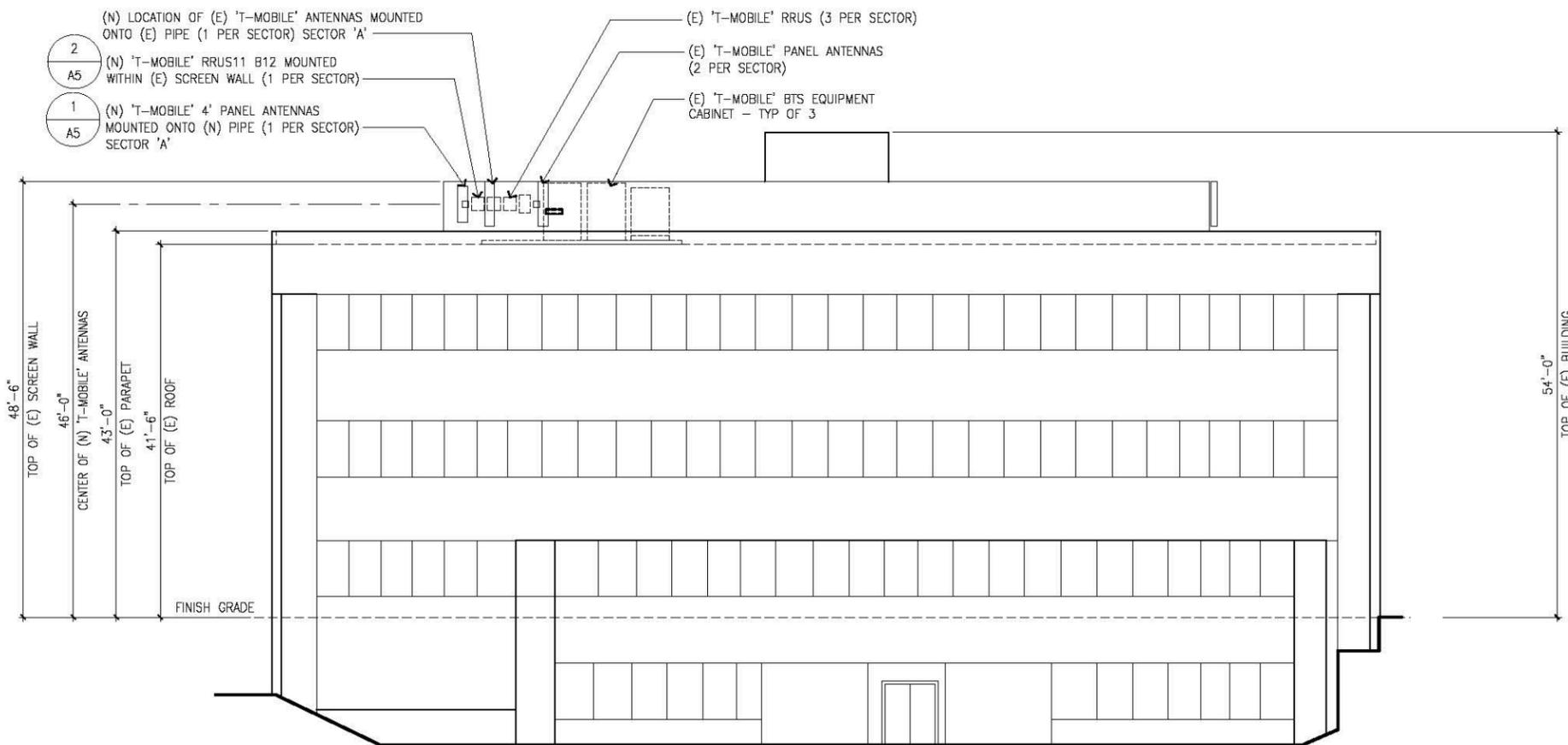
SHEET TITLE:  
**EQUIPMENT/ANTENNA LAYOUT PLAN & ANTENNA SCHEDULE**

SHEET NUMBER: **A2** REVISION: **2**  
LA02562A



**(E) NORTH ELEVATION**

SCALE  
1/8"=1'-0" **1**



**(N) NORTH ELEVATION**

SCALE  
1/8"=1'-0" **2**

**T-Mobile**  
Stick Together®  
3257 E. GUASTI RD., SUITE 200  
ONTARIO, CA 91761

PROJECT INFORMATION:  
**LA02562A**  
**VY137 MEDICAL CENTER**  
1850 S AZUSA AVE  
HACIENDA HEIGHTS, CA 91745  
COUNTY OF LOS ANGELES

CURRENT ISSUE DATE:  
11-19-2014

ISSUED FOR:  
PLAN CHECK

REV.	DATE	DESCRIPTION	BY
2	11-19-14	100% CDs	GC
1	10-17-14	90% CDs FOR REVIEW	GC

PLANS PREPARED BY:

1883 WEST 190TH STREET, SUITE 200  
TORRANCE, CA 90504  
TEL: (310) 464-8404  
FAX: (310) 464-8408  
www.breeneng.com

CONSULTANT:

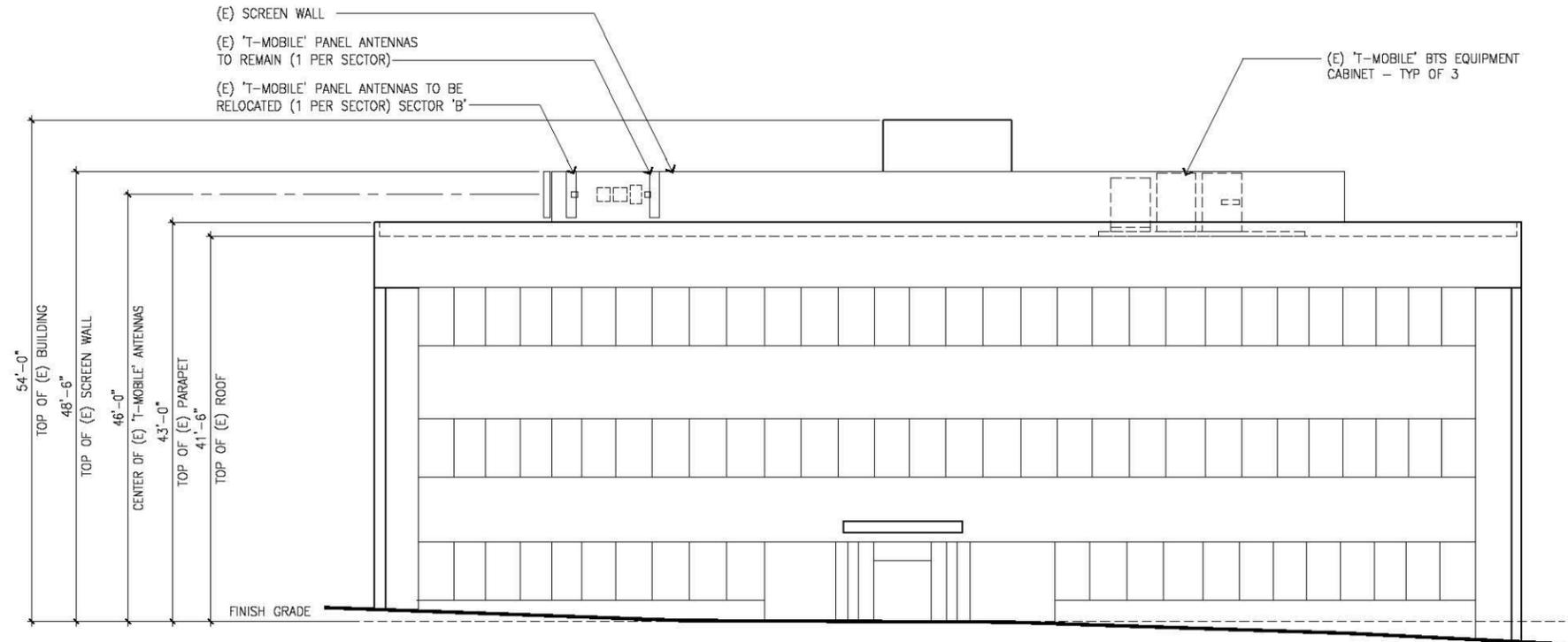
548A PRESIDIO BLVD.  
SAN FRANCISCO, CALIFORNIA 94129

DRAWN BY: SRS    CHK.: GC    APV.: LHC

LICENSURE:

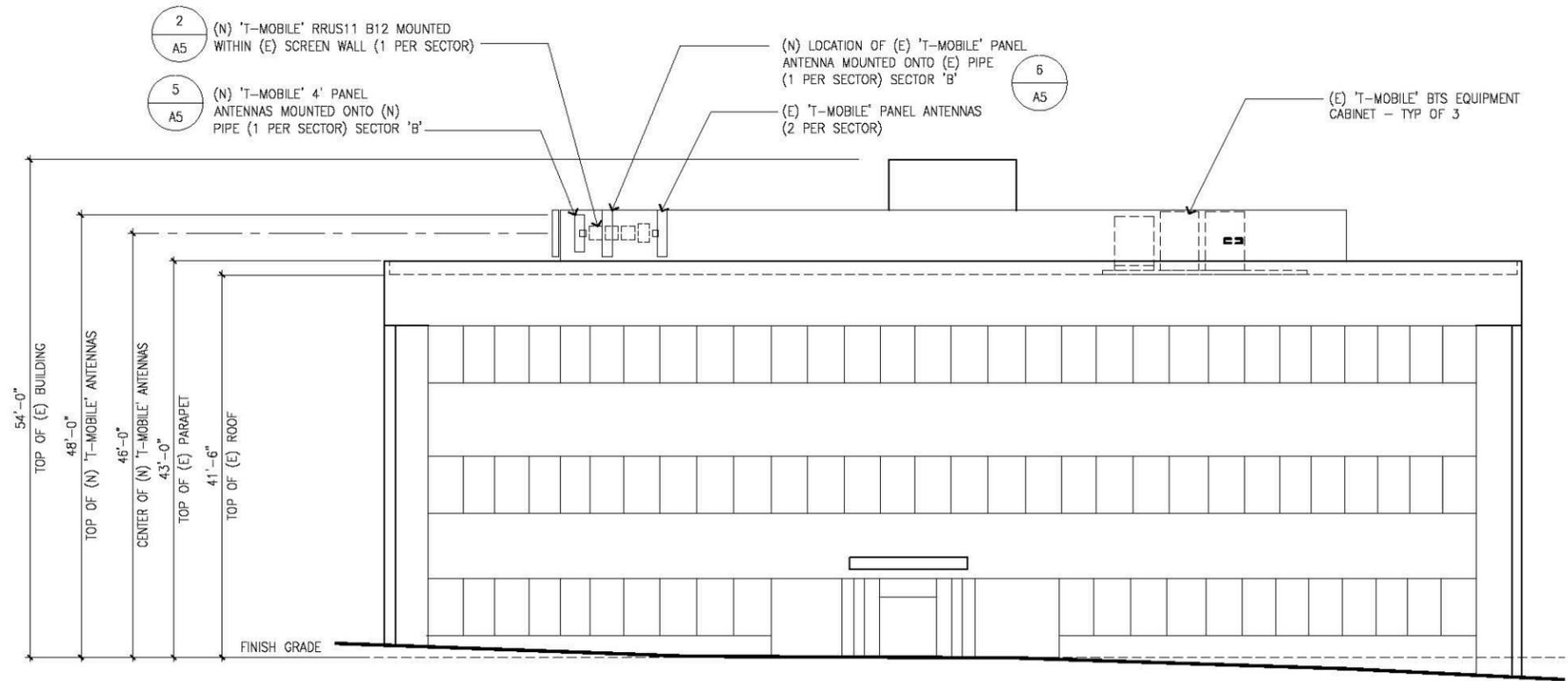
SHEET TITLE:  
**ELEVATIONS**

SHEET NUMBER: **A3**    REVISION: **2**  
LA02562A



**(E) SOUTH ELEVATION**

SCALE  
1/8"=1'-0" **1**



**(N) SOUTH ELEVATION**

SCALE  
1/8"=1'-0" **2**

**T-Mobile**  
Stick Together®  
3257 E. GUAISTI RD., SUITE 200  
ONTARIO, CA 91761

PROJECT INFORMATION:  
**LA02562A**  
**VY137 MEDICAL CENTER**  
1850 S AZUSA AVE  
HACIENDA HEIGHTS, CA 91745  
COUNTY OF LOS ANGELES

CURRENT ISSUE DATE:  
11-19-2014

ISSUED FOR:  
**PLAN CHECK**

REV.	DATE	DESCRIPTION	BY
2	11-19-14	100% CDs	GC
1	10-17-14	90% CDs FOR REVIEW	GC

PLANS PREPARED BY:  
  
1983 WEST 190TH STREET, SUITE 200  
TORRANCE, CA 90504  
TEL: (310) 464-8404  
FAX: (310) 464-8408  
www.breeneng.com

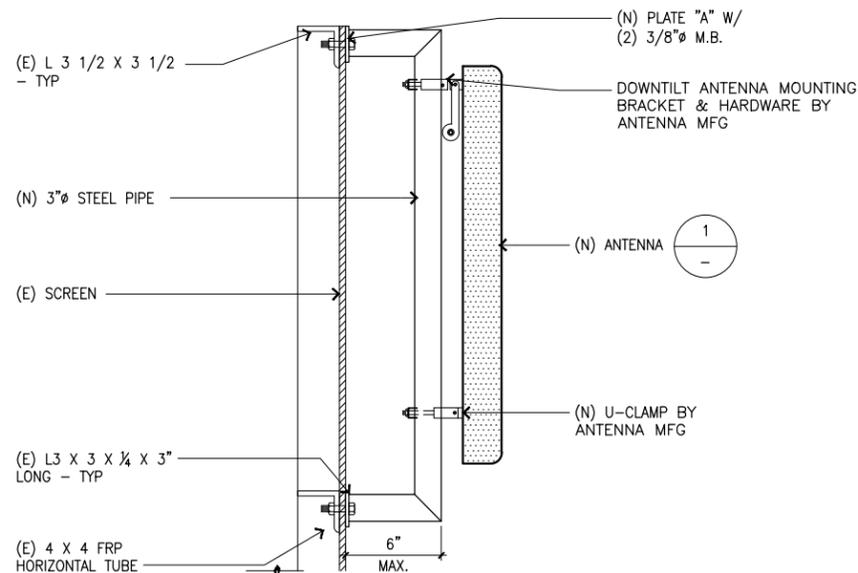
CONSULTANT:  
  
548A PRESIDIO BLVD.  
SAN FRANCISCO, CALIFORNIA 94129

DRAWN BY: SRS    CHK.: GC    APV.: LHC

LICENSURE:

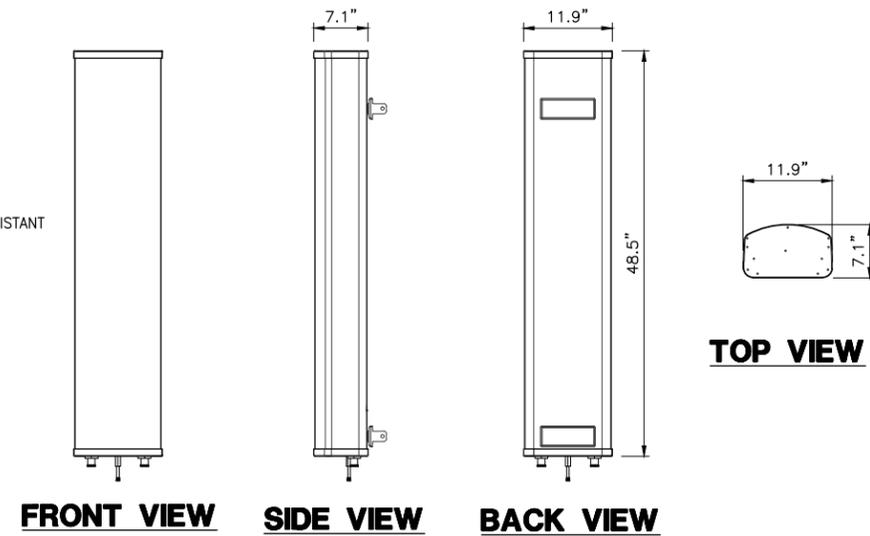
SHEET TITLE:  
**ELEVATIONS**

SHEET NUMBER: **A4**    REVISION: **2**  
LA02562A



**ANDREW LNX-6512DS-A1M ANTENNA**

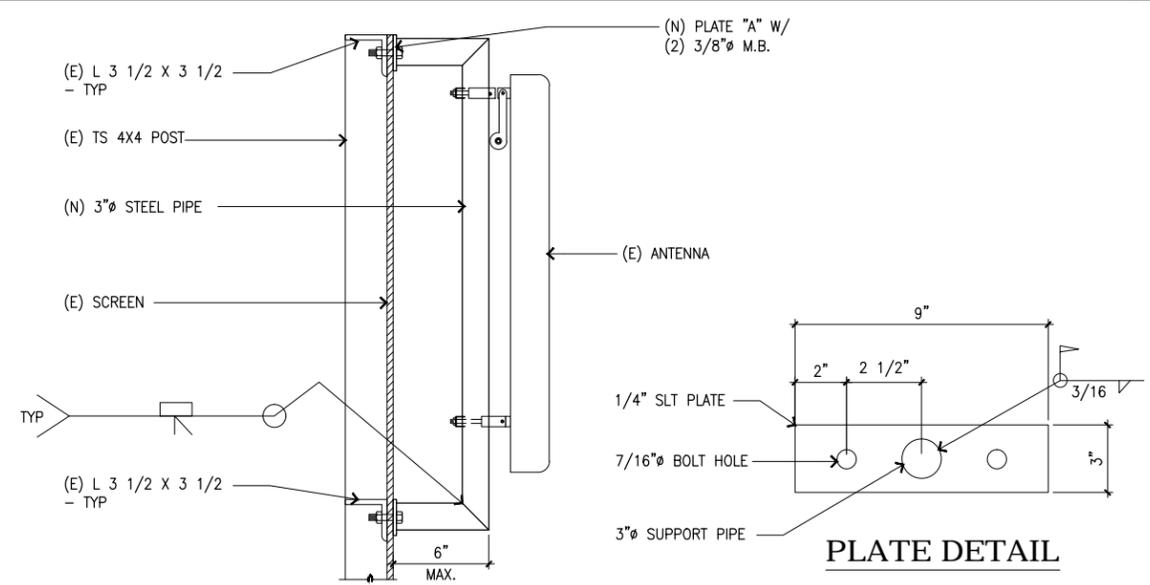
MANUFACTURER: COMMSCOPE  
 MODEL NO.: LNX-6512DS-A1M  
 RADOME MATERIAL: FIBERGLASS, UV RESISTANT  
 RADOME COLOR: LIGHT GRAY  
 DIMENSIONS, HxWxD: 48.5"x11.9"x7.1"  
 WEIGHT: 13 kgs | 28.7 lbs



**(N) ANTENNA MOUNT @ SECTOR 'B'**

**5 ANTENNA SPECIFICATIONS**

**1**



**RRUS 11 B12 W/SOLAR SHIELD**

DIMENSIONS, WxDxH: 16.968"x7.165"x19.685"  
 (431x182x500mm)

WEIGHT: 50.71 lbs

INPUT POWER: -48V VDC OR AC (OPTION)

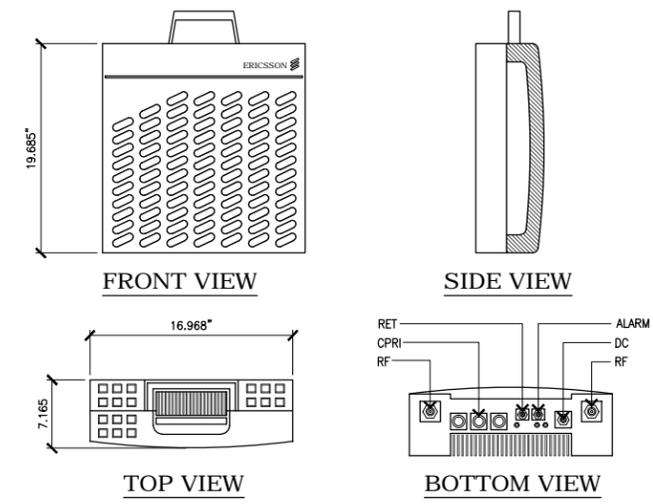
FUSE SIZE: 13 - 32A

DC CONNECTOR: SCREW TERMINAL

INSTALLATION OPTIONS: WALL, POLE OR TOWER

CLEARING DISTANCES: ABOVE > = 16" BELOW > = 8" SIDE > = 0

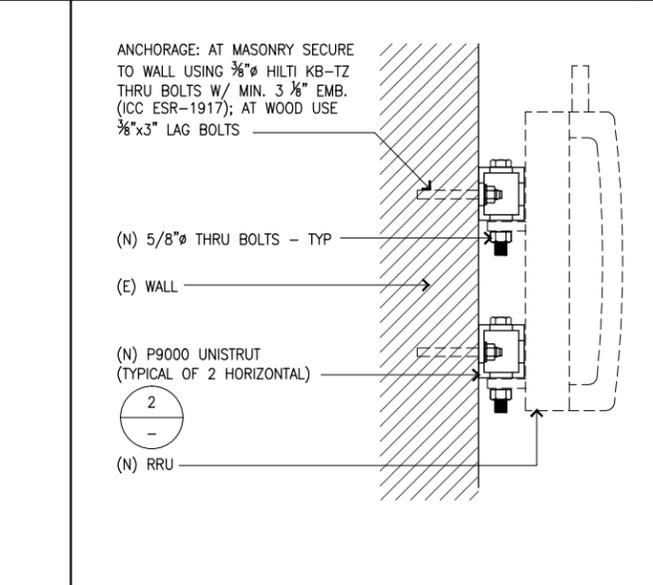
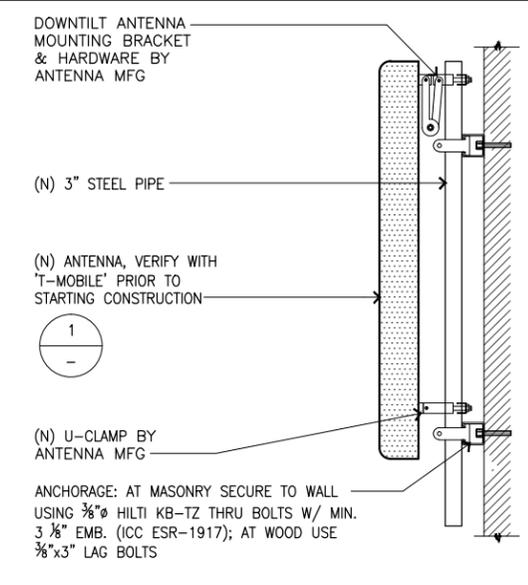
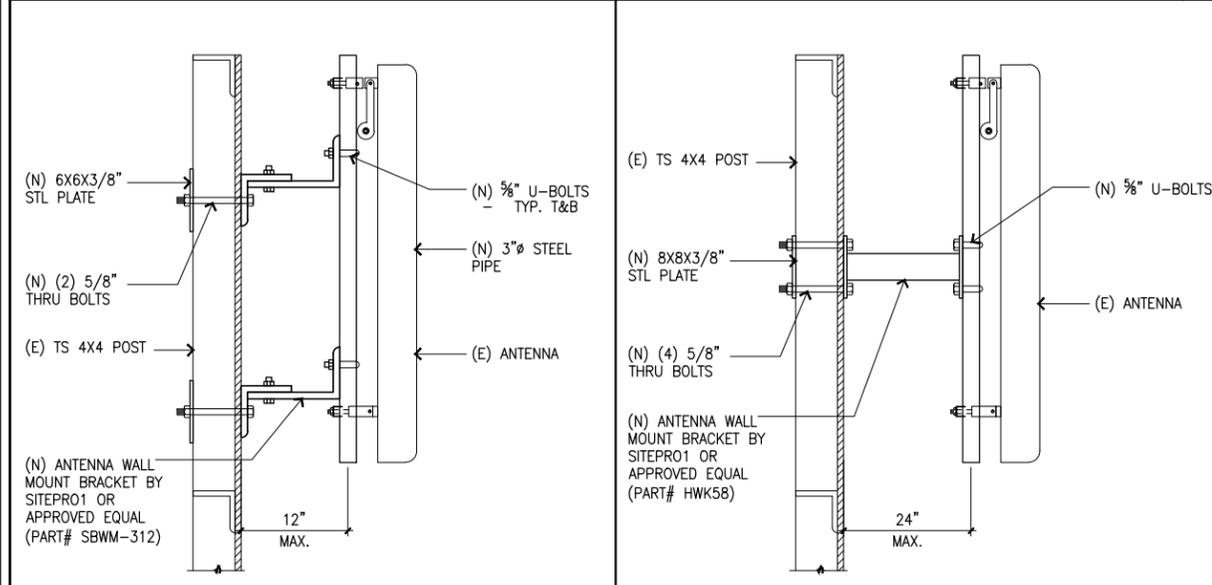
FREQUENCY: BAND 1, 2, 4, 5, 7, 12, 20, 25, 26



**RELOCATED ANTENNA MOUNT @ SECTOR 'B'**

**6 RRU SPECIFICATIONS**

**2**



**12" OFFSET ANTENNA MOUNT**

**8 24" OFFSET ANTENNA MOUNT**

**7 ANTENNA MOUNT @ SECTOR 'A' & 'C'**

**4 RRU MOUNTING**

**3**

**T-Mobile**  
 Stick Together®  
 3257 E. GUASTI RD., SUITE 200  
 ONTARIO, CA 91761

PROJECT INFORMATION:  
**LA02562A**  
**VY137 MEDICAL CENTER**  
 1850 S AZUSA AVE  
 HACIENDA HEIGHTS, CA 91745  
 COUNTY OF LOS ANGELES

CURRENT ISSUE DATE:  
 11-19-2014

ISSUED FOR:  
**PLAN CHECK**

REV.	DATE	DESCRIPTION	BY
2	11-19-14	100% CDs	GC
1	10-17-14	90% CDs FOR REVIEW	GC

PLANS PREPARED BY:  
  
 1983 WEST 190TH STREET, SUITE 200  
 TORRANCE, CA 90504  
 TEL: (310) 464-8404  
 FAX: (310) 464-8408  
 www.breeneng.com

CONSULTANT:  
  
 548A PRESIDIO BLVD.  
 SAN FRANCISCO, CALIFORNIA 94129

DRAWN BY: SRS  
 CHK.: GC  
 APV.: LHC

LICENSURE:

SHEET TITLE:  
**DETAILS**

SHEET NUMBER: **A5** REVISION: **2**  
 LA02562A