

LOS ANGELES SMSA LIMITED PARTNERSHIP,
d/b/a



SITE NAME:
FORBES
RELO

ADDRESS:
**6338 BALBOA BLVD &
16800 W VICTORY BLVD
ENCINO, CA 91406**

RECEIVED
CITY OF LOS ANGELES
SEP 04 2020
CITY PLANNING
VAN NUYS

verizon

15505 SAND CANYON AVENUE BUILDING "D"
1ST FLOOR IRVINE, CA 92618

Tectonic

1420 BRISTOL STREET NORTH PHOENIX (602) 502-8000
SUITE 210 NEWPORT BEACH, CA 92660 (949) 826-6031
www.tectoniceng.com

WORK ORDER NUMBER: 9691.027
DRAWN BY: GJC

NO.	DATE	ISSUE
0	11/20/19	FOR COMMENT
1	12/18/19	FOR COMMENT
2	1/15/20	FOR COMMENT
3	05/01/20	FOR COMMENT
4	08/25/20	PER COMMENTS

RELEASED BY: _____ DATE: _____



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ORIGINAL SIZE IN INCHES

SITE INFORMATION
FORBES
PN: 15507819
LC: 551401

SITE ADDRESS
6338 BALBOA BLVD &
16800 W VICTORY BLVD
ENCINO
LOS ANGELES COUNTY
CA 91406

SHEET TITLE
T-1

SHEET NUMBER
T-1

T-1

LEGAL DESCRIPTION (FOR REFERENCE ONLY)
ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:
THAT PORTION OF THE VARIABLE WIDTH STRIPS OF LAND, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS STRIPS "A" THROUGH "F" IN THE DEED TO THE SOUTHERN PACIFIC RAILROAD COMPANY, RECORDED ON DECEMBER 3, 1946 AS INSTRUMENT NO. 1946-3398, IN BOOK 23984, PAGE 385, OF OFFICIAL RECORDS OF SAID COUNTY, BEING A PORTION OF LOT "B" (COMMONLY KNOWN AS RANCHO EL ENCINO, AS PER MAP ATTACHED TO THE AGREEMENT BETWEEN LOS ANGELES FARMING AND MILLING COMPANY, A CORPORATION AND AMESTOY ESTATE COMPANY, A CORPORATION, ETAL, RECORDED IN BOOK 4232, PAGE 118, OF DEEDS, RECORDS OF SAID COUNTY, BOUNDED WESTERLY BY THE CENTERLINE OF BALBOA AVENUE, 60 FEET WIDE, AS SHOWN ON THE MAP OF TRACT NO. 1000, IN SAID CITY, COUNTY AND STATE, AS PER MAP RECORDED IN BOOK 19, PAGE 10, OF MAPS, RECORDS OF SAID COUNTY AND BOUNDED EASTERLY BY THAT CERTAIN 106.00 FEET EASEMENT GRANTED TO SAID CITY, BY THE DEED RECORDED ON MAY 23, 1972 AS INSTRUMENT NO. 1972-2975, IN BOOK D-5469, PAGE 715, OF OFFICIAL RECORDS OF SAID COUNTY.
EXCEPT THEREFROM THAT PORTION OF SAID LAND INCLUDED WITHIN THE LINES OF THE LAND DESCRIBED IN THE GRANT DEED RECORDED NOVEMBER 18, 1978 AS INSTRUMENT NO. 1978-533911, OF OFFICIAL RECORDS OF SAID COUNTY.
ALSO EXCEPT ALL MINERALS AND MINERAL RIGHTS, INTEREST AND ROYALTIES, INCLUDING WITHOUT LIMITATION, ALL OIL, GAS AND OTHER SOLID MINERALS OF WHATEVER KIND OR CHARACTER, WHETHER NOW KNOWN OR HEREAFTER DISCOVERED, IN AND UNDER THE LAND BELOW A DEPTH OF 500 FEET UNDER THE SURFACE WITHOUT REGARD TO THE MANNER IN WHICH THE SAME MAY BE PRODUCED, OR EXTRACTED FROM SAID LAND, BUT WITHOUT ANY RIGHT TO ENTER UPON OR THROUGH THE SURFACE DOWN TO 500 FEET BELOW THE SURFACE TO EXTRACT, DRILL, EXPLORE OR OTHERWISE EXPLOIT SUCH MINERALS OR MINERAL RIGHTS AND WITHOUT ANY RIGHT TO REMOVE OR IMPAIR LATERAL OR SUBJACENT SUPPORT, AS SET OUT IN THAT CERTAIN GRANT DEED RECORDED MARCH 13, 1991 AS INSTRUMENT NO. 1991-358575, OF OFFICIAL RECORDS OF SAID COUNTY.



DIRECTIONS
DIRECTIONS TO SITE:
FROM VERIZON IRVINE OFFICE:
MERGE ONTO I-405 N. AND FOLLOW 62.4± MILES. TAKE EXIT 65 TO VICTORY BLVD. HEADING WEST AND CONTINUE FOR ±1.6 MILES THE DESTINATION WILL BE ON THE LEFT.

PROJECT SUMMARY
PROJECT NUMBER: 15507819
LOCATION CODE: 551401
SITE ADDRESS: 6338 BALBOA AVE
JURISDICTION: CITY OF LOS ANGELES
COUNTY: LOS ANGELES COUNTY
TAX MAP NUMBER: 2251-001-902 & 2251-001-903
COORDINATES (NAD83): N 34.186310° W -118.498538°
ELEVATION (NAVD88): 728.3± NAVD 88
ZONING DATA
ZONING DESIGNATION: PF-1XL-RIO
EXISTING SITE USE: PARK-N-RIDE FACILITY
CONSTRUCTION INFORMATION
AREA OF CONSTRUCTION: 500 SF
OCCUPANCY: U
TYPE OF CONSTRUCTION: V-B
ADA COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. MACHINERY SPACES ARE EXEMPT FROM ACCESSIBILITY REQUIREMENTS PER THE CBC SECTION 11B-203.5.

PROJECT TEAM
PROPERTY OWNER
LOS ANGELES METROPOLITAN TRANSPORTATION AUTHORITY
ONE GATEWAY PLAZA
LOS ANGELES, CA 90012
PHONE: (213) 922-6000
APPLICANT
VERIZON WIRELESS
15505 SAND CANYON AVE.
BUILDING "D", 1st FLOOR
IRVINE, CA 92618
CONTACT: PROPERTY MANAGEMENT
PHONE: (949) 286-7000
ENGINEER
TECTONIC ENGINEERING CONSULTANTS
1420 BRISTOL STREET NORTH, SUITE 210
NEWPORT BEACH, CA 92660
(949) 502-8555
SITE ACQUISITION
TECTONIC ENGINEERING CONSULTANTS
1420 BRISTOL STREET NORTH, SUITE 210
NEWPORT BEACH, CA 92660
(949) 502-8555

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INSPECTIONS
SPECIAL INSPECTIONS ARE REQUIRED FOR THE TYPES OF WORK DESCRIBED BELOW:
TBD

APPROVALS

APPROVED BY	DATE	INITIALS	COMMENTS
RF ENGINEER			
SITE DEV.			
SITE ACQ.			
PM			

811
Know what's below.
Call before you dig.
TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (SOUTH), CALL DIG ALERT
TOLL FREE: 1-800-227-2600 OR WWW.DIGALERT.ORG
CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE.

VERIZON WIRELESS RF DESIGN = TBD

CODE COMPLIANCE
ALL WORK AND MATERIAL SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LOCAL CODES.
1. 2019 CALIFORNIA ADMINISTRATIVE CODE (INCL. TITLES 24 & 25)
2. 2019 CALIFORNIA BUILDING CODE
3. 2019 CALIFORNIA ELECTRICAL CODE
4. 2019 CALIFORNIA MECHANICAL CODE
5. 2019 CALIFORNIA PLUMBING CODE
6. 2019 CALIFORNIA FIRE CODE
7. 2019 CALIFORNIA EXISTING BUILDING CODE
8. LOCAL BUILDING CODE(S)
9. CITY AND/OR COUNTY ORDINANCES
10. ANS/ISA-222-H-2017
11. 2017 LABC
ALONG WITH ANY OTHER APPLICABLE LOCAL AND STATE LAWS AND REGULATIONS.

OVERALL STRUCTURE HEIGHT = 60'-0"

PROJECT DESCRIPTION
THE PROPOSED WORK IN AN EXISTING TELECOMMUNICATIONS COMPOUND FOR VERIZON WIRELESS TO CONSIST OF THE FOLLOWING:
1. INSTALL (12) PROPOSED PANEL ANTENNAS
2. INSTALL (3) PROPOSED DUAL LOW BAND RRUS 4448 (B5 & B13)
3. INSTALL (3) PROPOSED DUAL HIGH BAND RRUS 8649 (B2 & B4, B68)
4. INSTALL (2) PROPOSED 6800 RAYCAPS AT ANTENNAS
5. INSTALL (6) COAX CABLES FOR CDMA
6. INSTALL (2) PROPOSED 12x24 HYBRID TRUNK CABLE
7. INSTALL (1) ELLIPTICAL WAVEGUIDE FOR MW
8. INSTALL (1) PROPOSED 5.83'x18.5'x0.5" EQUIPMENT CONCRETE SLAB
9. INSTALL (1) PROPOSED MONOPALM
10. INSTALL (1) PROPOSED CLIMATE CONTROLLED EQUIPMENT CABINET ON PROPOSED CONCRETE SLAB
11. INSTALL (1) PROPOSED CLIMATE CONTROLLED BATTERY CABINET ON PROPOSED CONCRETE SLAB
12. INSTALL (1) PROPOSED EQUIPMENT H-FRAME AT GRADE
13. INSTALL PROPOSED POWER AND FIBER DISTRIBUTION COMPONENTS ON H-FRAME
14. INSTALL (1) PROPOSED FIBER PULL BOX
15. INSTALL (1) PROPOSED GPS ANTENNA AT GROUND LEVEL
16. INSTALL (1) PROPOSED 4' MW OISH ANTENNA AND MOUNT AT LOWER RAD CENTER
17. INSTALL (1) PROPOSED RADIO CABINET ON CONCRETE SLAB
18. INSTALL PROPOSED METAL MESH FENCE AND GATE
19. RELOCATE EXISTING METAL MESH FENCE
20. RELOCATE EXISTING GROUND PLANTINGS AROUND PROPOSED FACILITY

DO NOT SCALE DRAWINGS
THESE DRAWINGS ARE FORMATTED FOR 22"x34". OTHER SIZED VERSIONS ARE NOT PRINTED TO THE SCALE SHOWN. CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

EXHIBIT
Page No. 1 of 19 SHEET
Case No. 24-2020-3101-cen
CR

GENERAL CONSTRUCTION NOTES

1. THE FACILITY IS AN UNOCCUPIED TELECOMMUNICATION FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION ENGINEER AND ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
5. CONTRACTOR SHALL CONTACT (UNDERGROUND SERVICE ALERT 811) BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OF CONSTRUCTION.
6. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATION TAKE PRECEDENCE.
7. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION ENGINEER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.
9. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC REGARDING EARTHQUAKE REQUIREMENTS FOR PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS AND MECHANICAL EQUIPMENT. ALL WORK MUST BE IN ACCORDANCE WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
10. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
11. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, VEGETATION, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTIONS TO THE SATISFACTION OF VERIZON WIRELESS TELECOMMUNICATION.
12. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.
13. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING, 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 ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWING AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ENGINEER.
14. PENETRATIONS OF ROOF MEMBRANES SHALL BE PATCHED/FLASHED AND MADE WATER-TIGHT USING LIKE MATERIALS IN ACCORDANCE WITH NRCA ROOFING STANDARDS AND DETAILS. CONTRACTOR SHALL OBTAIN DETAIL CLARIFICATION FOR SITE-SPECIFIC CONDITIONS FROM THE ENGINEER, IF NECESSARY, BEFORE PROCEEDING.
15. BEFORE ORDERING AND/OR BEFORE FABRICATING/ CONSTRUCTING/INSTALLING ANY ITEMS, VERIFY THE TYPE AND QUANTITIES.

ELECTRICAL INSTALLATION NOTES

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, CEC AND ALL APPLICABLE LOCAL CODES.
2. ALL ELECTRICAL EQUIPMENT AND ACCESSORIES SHALL BE U.L. APPROVED OR LISTED.
3. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
4. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
5. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
6. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
7. EACH END OF EVERY POWER, POWER PHASE CONDUCTOR (I.E., HOTS), GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA.
8. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).
9. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
10. POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#8 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION, STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE USE-3 CABLE (#14 AWG OR LARGER), 600 V, OIL RESISTANT RHW-2 OR XHHW-2, STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 90°C.
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT) OR RIGID METALLIC CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR RIGID METALLIC CONDUIT (RMC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. PVC SCHEDULE 40 CONDUIT SHALL BE USED UNDERGROUND EXCEPT IN AREAS OF VEHICULAR TRAFFIC. IN SUCH AREAS, PVC SCHEDULE 80 SHOULD BE USED.
18. ALL OUTDOOR EXPOSED CONDUIT SHALL BE PVC SCHEDULE 80 AND SHALL BE SUPPORTED ADEQUATELY.
19. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED. LFMC SHALL CONFORM TO NEC ARTICLE 350.
20. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
21. CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
22. WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
23. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
24. METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA DS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
25. NON-METALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
26. CONTRACTOR SHALL APPLY FOR ELECTRICAL SERVICE AS SOON AS POSSIBLE AND COORDINATE REQUIREMENTS, SERVICE ROUTING, AND METER SOCKET TYPE WITH LOCAL POWER COMPANY.
27. CONTRACTOR SHALL APPLY FOR TELEPHONE SERVICE AS SOON AS POSSIBLE AND COORDINATE REQUIREMENTS AND SERVICE ROUTING WITH TELEPHONE COMPANY.
28. CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY PERMIT FEES, AND SCHEDULE INSPECTIONS.
29. CONTRACTOR SHALL LABEL ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC 110.18 AND 110.24.
30. CONTRACTOR SHALL VERIFY THAT THE MAIN BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR IS INSTALLED PROPERLY AT SERVICE ENTRANCE.
31. CONTRACTOR SHALL SEAL AROUND ALL CONDUIT PENETRATIONS THROUGH WALLS, FLOORS AND ROOFS TO PREVENT MOISTURE PENETRATION OR VERMIN INFESTATIONS.

32. WHERE ELECTRICAL POWER IS TO BE SUB-FED FROM AN EXISTING DISTRIBUTION SYSTEM, THE FOLLOWING SHALL APPLY:
 A. CONTRACTOR SHALL PERFORM LOAD TESTING TO DETERMINE MAXIMUM FEEDER DEMAND PER N.E.C. ARTICLE 220.
 B. CONTRACTOR SHALL VERIFY WHETHER EXISTING FEEDER CAPACITY EXCEEDS VALUE CALCULATED PER N.E.C. ARTICLE 220.
 C. EACH BRANCH CIRCUIT PROTECTIVE DEVICE SHALL HAVE SAME INTERRUPTING RATING AS EQUIPMENT SUPPLYING IT.
 D. PREFERRED MEANS OF SUPPLY SHALL BE A BRANCH CIRCUIT PROTECTIVE DEVICE LOCATED IN EXISTING PANEL.

33. DURING TRENCH BACK-FILLING FOR EACH UNDERGROUND ELECTRICAL, TELEPHONE, SIGNAL AND COMMUNICATIONS LINE, PROVIDE A CONTINUOUS UNDERGROUND WARNING TAPE TWELVE INCHES BELOW FINISHED GRADE.

GENERAL NOTES

1. THE LATEST EDITION OF THE AMERICAN INSTITUTE OF ARCHITECTS DOCUMENT A201 "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION" ARE INCLUDED IN THESE SPECIFICATIONS AS IF COMPLETELY REPRODUCED HEREIN.
2. THIS FACILITY IS AN UNOCCUPIED TELECOMMUNICATIONS FACILITY (NOT ACCESSIBLE TO THE PUBLIC) AND IS EXEMPT FROM ADA ACCESSIBILITY REQUIREMENTS PER CALIFORNIA BUILDING CODE 11038.1 EXCEPTION 1.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS PARTICIPATING SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED PROJECT, WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS, FIELD CONDITIONS, AND CONFORM THAT THE PROJECT CAN BE ACCOMPLISHED AS SHOWN. PRIOR TO PROCEEDING WITH SUBMISSIONS OF BIDS & CONSTRUCTION, SHOULD ANY ERRORS, OMISSION, OR DISCREPANCIES BE FOUND, THE CONTRACTORS SHALL IMMEDIATELY NOTIFY THE PROJECT MANAGER, AND THE ENGINEER IN WRITING. IN THE EVENT OF EXTENSIVE WORK IN THE BID, UNLESS SPECIFICALLY DIRECTED OTHERWISE, IF A DISCREPANCY EXISTS AND THE PROJECT MANAGER AND ENGINEER ARE NOT NOTIFIED, THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL COSTS INCURRED TO REPAIR OR CORRECT ALL PROBLEMS THAT RESULT.
4. EXISTING ELEVATIONS AND LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION. IF THEY DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER, AND THE ENGINEER SO THAT MODIFICATIONS CAN BE MADE BEFORE PROCEEDING WITH THE WORK.
5. CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER AND THE ENGINEER IF ANY DETAILS ARE CONSIDERED IMPRACTICAL, UNSUITABLE, UNSAFE, NOT WATERPROOFED, OR NOT WITHIN CUSTOMARY TRADE PRACTICE. IF WORK IS PERFORMED, IT WILL BE ASSUMED THAT THERE IS NO OBJECTION TO ANY MINOR MODIFICATIONS THAT MAY BE REQUIRED TO SUIT JOB CONDITIONS, AND SHALL BE INCLUDED AS PART OF THE WORK.
6. DRAWINGS SHALL NOT BE SCALED. FIGURED DIMENSIONS HAVE PRECEDENCE OVER SMALL SCALE DRAWINGS. CONTRACTOR SHALL CHECK ACCURACY OF ALL DIMENSIONS IN THE FIELD. UNLESS SPECIFICALLY NOTED, DO NOT FABRICATE ANY MATERIALS, OR BEGIN ANY CONSTRUCTION UNTIL THE ACCURACY OF DRAWING DIMENSIONS HAS BEEN VERIFIED AGAINST ACTUAL FIELD DIMENSIONS.
7. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING THEIR EXACT MEANING, THE PROJECT MANAGER, AND THE ENGINEER SHALL BE NOTIFIED FOR CLARIFICATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK.
8. THE CONTRACTOR SHALL OBTAIN AND PAY FOR PERMITS, LICENSES AND INSPECTION NECESSARY FOR PERFORMANCE OF THE WORK AND INCLUDE THOSE IN THE COST OF THE WORK.
9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT ALL WORK UNDER THE CONTRACT, INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION ENGINEER AND THE LANDLORD'S AUTHORIZED REPRESENTATIVES.
10. WORKMANSHIP THROUGHOUT SHALL BE OF THE BEST QUALITY OF THE TRADE INVOLVED, AND SHALL MEET OR EXCEED THE FOLLOWING MINIMUM REFERENCE STANDARDS FOR QUALITY AND PROFESSIONAL CONSTRUCTION PRACTICE:
 NRCA-NATIONAL ROOFING CONTRACTORS ASSOCIATION
 O'HARE INTERNATIONAL CENTER
 10255 W. HIGGINS ROAD, SUITE 600
 ROSEMONT, IL 60018
 SMACNA SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
 4201 LAFAYETTE CENTER DRIVE
 CHATTILLY, VA 22021-1209
 ILLP INTERNATIONAL INSTITUTE FOR LATH AND PLASTER
 820 TRANSFER ROAD
 ST. PAUL, MN 55114-1408
 AMA ADHESIVE MANUFACTURERS ASSOCIATION
 401 NORTH MICHIGAN AVENUE, SUITE 2400
 CHICAGO, IL 60611
11. THE CONTRACTOR SHALL VERIFY, COORDINATE, AND PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR OTHER SUPPORTS FOR ALL ITEMS REQUIRING THE SAME.
12. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTORS SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCE, RULES, REGULATION AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATION. CONTRACTORS SHALL COMPLY WITH SAFETY DEPARTMENT INDUSTRIAL REGULATIONS AND DIVISION OF INDUSTRIAL SAFETY (OSHA) REQUIREMENTS.
13. CONTRACTORS SHALL PROTECT THE OWNER'S PROPERTY FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO NEW AND EXISTING CONSTRUCTION, STRUCTURE, LANDSCAPING, CURBS, STAIRS, OR EQUIPMENT ETC., SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE PROPERTY OWNER, OR HIS REPRESENTATIVE, AND THE CARRIERS' REPRESENTATIVES, AT THE EXPENSE OF THE CONTRACTOR.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL REPLACE OR REMEDY, ANY FAULTY, IMPROPER, OR INFERIOR MATERIALS OR WORKMANSHIP, OR ANY DAMAGE WHICH SHALL APPEAR WITHIN ONE YEAR AFTER THE COMPLETION AND ACCEPTANCE OF THE WORK UNDER CONTRACT.
15. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, WHETHER SHOWN HEREIN OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTORS SHALL BEAR ALL EXPENSES FOR REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF WORK.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE PROJECT SITE WHILE THE JOB IS IN PROGRESS AND UNTIL THE JOB IS COMPLETED AND ACCEPTED BY THE CARRIER.
17. THE CONTRACTOR SHALL PROVIDE TEMPORARY CONSTRUCTION FENCE/GATE, WATER, POWER AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER AND THE CITY OR GOVERNING AGENCY.
18. THE LATEST EDITION OF ALL PERMITTED AND APPROVED PLANS PERTAINING TO THIS PROJECT SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY WORKERS. ALL CONSTRUCTION SETS SHALL REFLECT THE SAME INFORMATION. THE CONTRACTOR SHALL ALSO MAINTAIN IN GOOD CONDITION, ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA AND CHANGE ORDERS, ON THE PREMISES AT ALL TIMES. THESE ARE TO BE UNDER THE CARE OF THE JOB SUPERINTENDENT.
19. THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND WASTE MATERIALS ON A DAILY BASIS, AND SHALL EXERCISE STRICT CONTROL OVER JOB CLEANING THROUGHOUT CONSTRUCTION, INCLUDING FINAL CLEANUP UPON COMPLETION OF WORK. ALL AREAS ARE TO BE LEFT IN A BROOM CLEAN CONDITION AT THE END OF EACH DAY. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
20. THE GENERAL CONTRACTOR MUST PERFORM WORK DURING PROPERTY OWNER'S PREFERRED HOURS TO AVOID DISRUPTION OF NORMAL ACTIVITY.
21. ALL EXPOSED METAL SHALL BE HOT-DIPPED GALVANIZED.
22. ELECTRICAL POWER SYSTEM SHALL BE GROUNDED PER CEC ARTICLES 250 AND 810.
23. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A, 10-BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT CONSTRUCTION AREA.
24. SEAL ALL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHALL APPROVED MATERIALS IF AND WHERE APPLICABLE TO THIS FACILITY AND PROJECT SITE.
25. ALL NEW OPENING IN THE EXTERIOR ENVELOPE OF CONDITIONED SPACES SUCH AS AT WALL AND ROOF PENETRATIONS SHALL BE CAULKED OR SEALED TO LIMIT INFILTRATION OF AIR AND MOISTURE.
26. THE CONTRACTOR SHALL PROVIDE PLASTIC LABEL, APPROXIMATE 12"x12" ON ENTRY DOOR TO THE PROJECT AREA, WITH APPROPRIATE WORDINGS PER CARRIERS' SPEC. LETTERING SHALL BE MINIMUM 2" HIGH, BOLD BLACK ON WHITE BACKGROUND.
27. CONTRACTOR SHALL PROVIDE CLOSE-DUT PACKAGE TO THE CARRIER, WHICH WILL INCLUDE:
 A. BUILDING PERMITS/ELECTRICAL PERMITS
 B. FINAL INSPECTION CARD
 C. STAMPED BUILDING PERMIT PLANS
 D. GROUNDING TEST
 E. SWEEP TEST
 F. CONCRETE TEST
 G. SPECIAL INSPECTION REPORTS
 H. WARRANTIES, MANUAL, EQUIPMENT SPECIFICATIONS
 I. SUBCONTRACTOR CONTACT LIST
 J. RED LINED ASBUILTS
 K. CONSTRUCTION PROCESS PHOTOS
 L. SITE COMPLETION PHOTOS
 M. A WRITTEN REPORT ON ANTENNA SERIAL NUMBER FOR EACH SECTOR
 N. MANUFACTURER'S PERFORMANCE REPORT FOR EACH ANTENNA

GROUNDING NOTES

1. AFTER COMPLETION OF CONSTRUCTION OF THE CELL SITE GROUND SYSTEM, A QUALIFIED INDEPENDENT ELECTRICAL TESTING FIRM WITH A QUALIFIED TECHNICIAN USING APPROVED TEST EQUIPMENT, SHALL TEST THE SITE TO ASCERTAIN THE RESISTANCE TO EARTH AS SPECIFIED IN VERIZON WIRELESS NETWORK STANDARDS AND NATIONAL ELECTRIC CODE.
2. SOIL RESISTIVITY TESTING METHOD TO BE FOUR-POINT RESISTIVITY TEST WITH A DESIRED RESULT LIMIT OF FIVE (5) OHMS OR LESS.
3. NOTE: GROUNDING TEST TO BE TAKEN BEFORE A/C POWER NEUTRAL / GROUND BOND IS CONNECTED.
4. A GROUNDING RESISTANCE TEST REPORT SHALL BE PREPARED UPON COMPLETION OF THE TESTING. THE TEST REPORT SHALL SHOW THE RESISTANCE IN OHMS AT 82% SPACING AND WITH AUXILIARY POTENTIAL ELECTRODES READINGS AT 10% INTERVALS WITH A TOTAL DISTANCE OF AT LEAST 250 FT. OR UNTIL THE AVERAGE RESISTANCE STARTS INCREASING. TESTING SHOULD BE COMPLETED IN A MINIMUM OF TWO (2) DIFFERENT DIRECTIONS AT 90 DEGREES APART.
5. TEST REPORT SHALL CONTAIN 10 TO 15 PHOTOGRAPHS TAKEN DURING CONSTRUCTION TO PROVIDE PROOF THAT THE ENTIRE EXTERNAL GROUND RING SYSTEM WAS COMPLETE BEFORE BACKFILLING. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION SUPERVISOR NO LESS THAN 48 HOURS IN ADVANCE OF BACKFILL.
6. REPORT: CONTRACTOR SHALL PREPARE THREE (3) TEST REPORTS, CERTIFIED BY THE TESTING ORGANIZATION, INCLUDE OBSERVATIONS OF WEATHER, SOIL CONDITIONS, AND OTHER PHENOMENA THAT MAY AFFECT TEST RESULTS. DESCRIBE MEASURES TO IMPROVE TEST RESULTS. REPORTS SHALL BE SUBMITTED TO CLIENT WITHIN ONE WEEK OF TEST COMPLETION FOR SITE.

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0 1 2 3
 ORIGINAL SIZE IN INCHES

SITE INFORMATION

FORBES
 PN: 15507819
 LC: 551401

SITE ADDRESS
 6338 BALBOA BLVD &
 16800 W VICTORY BLVD
 ENCINO
 LOS ANGELES COUNTY
 CA 91406

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-1

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EARTHWORK NOTES

- ALL EXCAVATIONS SHALL BE DEWATERED BY PUMPING, PUMPING, ETC. IN A MANNER WHICH WILL NOT LOOSEN FOUNDATION SUBGRADE MATERIAL. SURFACE WATER SHALL BE DIVERTED AWAY FROM EXCAVATIONS BY MEANS OF BERMS, DIVERSION DITCHES, OR OTHER SUITABLE METHODS.
- CONFINED EXCAVATIONS FOR FOUNDATIONS, UTILITIES, ETC. SHALL BE LIMITED TO 4 FT. IN DEPTH UNLESS SHORING AND BRACING ARE USED. TRENCH EXCAVATION GEOMETRY AND/OR BRACING SHALL CONFORM WITH LATEST OSHA REQUIREMENTS.
- REMOVE UNSUITABLE MATERIALS AND PROOFROLL OR OTHERWISE COMPACT SUBGRADE PRIOR TO PLACEMENT OF FILL OR CONSTRUCTION OF FOUNDATIONS.
- ENGINEERED (STRUCTURAL) FILL SHALL BE WELL-GRADED, DURABLE, GRANULAR SOIL, FREE OF ORGANICS AND CONFORMING TO THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT FINER BY WEIGHT
4"	100
1/4"	30-75
No 40	5-40
No 200	0-10

- ON-SITE SOILS MAY BE USED AS ENGINEERED (STRUCTURAL) FILL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND AS APPROVED BY THE GEOTECHNICAL ENGINEER OF RECORD.
- FILL AND BACKFILL SHALL BE PLACED IN MAXIMUM LOOSE LIFT THICKNESS OF 8 INCHES IN OPEN AREAS, AND IN MAXIMUM LOOSE LIFT THICKNESS OF 4 INCHES IN CONFINED AREAS. ALL FILL AND BACKFILL SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DRY DENSITY PER ASTM D698 "LABORATORY COMPACTION CHARACTERISTICS OF SOIL USING STANDARD EFFORT". HAND OPERATED COMPACTION EQUIPMENT SHALL BE UTILIZED WITHIN 4 FEET OF THE WALLS.
- AGGREGATE SHALL BE CALTRANS CLASS 2 MATERIAL COMPACTED TO NOT LESS THAN 95% RELATIVE COMPACTION AND CONFORMING TO THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT FINER BY WEIGHT
2"	100
1-1/2"	90-100
3/4"	50-85
No 4	25-45
No 30	10-25
No 200	2-9

- FOR ADDITIONAL INFORMATION SEE GEOTECHNICAL INVESTIGATION PREPARED BY AESCO DATED 3/18/2015.

CONCRETE NOTES

- DESIGN AND CONSTRUCTION SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" ACI 318, CURRENT EDITION

CONCRETE REQUIREMENTS	4000 PSI @ 28 DAYS
COMPRESSIVE STRENGTH	TYPE I/II
CEMENT (ASTM C150)	#87 STONE
COARSE AGGREGATE	ASTM C33
FINE AGGREGATE	4" ±1"
SLUMP (ASTM C143)	0.52
WATER CEMENT RATION	2%
ENTRAINED AIR	LIQUID MEMBRANE (ASTM C309, TYPE II, CLASS A)
CURING	3 PER 50 CY
TEST CYLINDERS REQUIRED	

- REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, "DEFORMED AND PLAIN BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", GRADE 60.
- CONCRETE WORK AND MATERIALS SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE "SPECIFICATIONS FOR STRUCTURAL CONCRETE", ACI 301.
- CONCRETE COVER FOR REINFORCING SHALL BE 3 INCHES FOR CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH. AT ALL OTHER CONCRETE SURFACES, MINIMUM COVER SHALL BE 2 INCHES FOR #6 AND LARGER BARS, AND 1 1/2 INCHES FOR #6 AND SMALLER BARS, UNLESS OTHERWISE NOTED. CONCRETE COVER FOR REINFORCEMENT NOT EXPOSED TO EARTH OR WEATHER SHALL BE 3/4" FOR SLABS, WALLS, AND JOISTS, UNLESS OTHERWISE NOTED.
- LAP SPLICES FOR REINFORCING SHALL BE MINIMUM 40 BAR DIAMETERS, UNLESS OTHERWISE NOTED. SEE TABLE ON DRAWING S04.02. STANDARD HOOKS SHALL BE 16 BAR DIAMETERS. ALL OTHER REINFORCING DETAILS SHALL BE IN ACCORDANCE WITH ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT".
- WELDING OF REINFORCING STEEL IS SPECIFICALLY PROHIBITED.
- CEMENT GROUT SHALL BE A MIXTURE OF PORTLAND CEMENT, SAND, AND WATER WITH A MINIMUM COMPRESSIVE STRENGTH OF 300 PSI AT 28 DAYS.
- EPOXY BONDING AGENT SHALL BE SIKA ARMATEC 110 EPOXY AS MANUFACTURED BY SIKA CORPORATION, LYNDHURST, NJ (800) 933-7452. MIXING AND APPLICATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- FORMS SHALL BE BUILT TRUE. THEY SHALL BE STRONG, RIGID, MORTAR-TIGHT, AND ADEQUATELY BRACED OR TIED. FORMS SHALL BE DESIGNED AND CONSTRUCTED TO WITHSTAND ALL LOADS AND PRESSURES, INCLUDING THOSE IMPOSED BY PLASTIC CONCRETE TAKING FULL ACCOUNT OF THE STRESSES DUE TO THE RATE OF POUR, EFFECTIVE VIBRATION AND CONDITIONS BROUGHT ABOUT BY CONSTRUCTION METHODS.
- ALL REINFORCING, EMBEDDED STEEL, ANCHOR BOLTS, INSERTS AND ALL OTHER EMBEDDED ITEMS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT. PROVIDE TEMPLATES FOR SETTING OF ANCHOR BOLTS.
- REMOVE ALL LOOSE MATERIAL AND DEBRIS FROM EXISTING SURFACE PRIOR TO PLACING CONCRETE.
- WHEN AMBIENT TEMPERATURE IS BELOW 50 DEGREES F, CONCRETE MATERIALS AND PLACEMENT SHALL CONFORM TO THE RECOMMENDATIONS OF ACI 308R "COLD WEATHER CONCRETING".
- WHEN AMBIENT TEMPERATURE IS ABOVE 90 DEGREES F, CONCRETE MATERIALS AND PLACEMENT SHALL CONFORM TO THE RECOMMENDATIONS OF ACI 305R "HOT WEATHER CONCRETING".
- CONCRETE SHALL BE SUFFICIENTLY CONSOLIDATED BY VIBRATION TO REMOVE AIR VOIDS. VIBRATION SHALL BE IN ACCORDANCE WITH ACI 309 "STANDARD PRACTICE FOR CONSOLIDATION OF CONCRETE".
- THE TOP OF ALL CONCRETE SURFACES SHALL BE TRUE AND LEVEL WITH A SMOOTH FLOAT FINISH, UNLESS OTHERWISE NOTED. FLOOR SLAB SHALL RECEIVE A STEEL TROWEL FINISH. ALL DIMENSIONS SHALL BE WITHIN + OR - 1/8 INCH.
- DRYING OUT OF CONCRETE, ESPECIALLY DURING THE FIRST 24 HOURS, SHALL BE CAREFULLY GUARDED AGAINST. ALL SURFACES SHALL BE MOIST CURED.
- DO NOT REMOVE FORMS, SHORES AND BRACING UNTIL CONCRETE HAS GAINED SUFFICIENT STRENGTH TO CARRY ITS OWN WEIGHT, CONSTRUCTION LOADS, AND DESIGN LOADS WHICH ARE LIABLE TO BE IMPOSED UPON IT. VERIFY STRENGTH OF CONCRETE BY COMPRESSIVE TEST RESULTS.
- THROUGHOUT CONSTRUCTION, THE CONCRETE WORK SHALL BE ADEQUATELY PROTECTED AGAINST DAMAGE DUE TO EXCESSIVE LOADING, CONSTRUCTION EQUIPMENT, MATERIALS OR METHODS, ICE, RAIN, SNOW, EXCESSIVE HEAT AND FREEZING.
- PROVIDE 48 HOURS NOTICE TO THE ENGINEER AND SPECIAL INSPECTOR PRIOR TO EACH PLACEMENT OF CONCRETE.

STEEL NOTES

- DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 2010".
- MISCELLANEOUS STEEL, INCLUDING CHANNELS, ANGLES, PLATES, AND BARS SHALL CONFORM TO ASTM A36 "CARBON STRUCTURAL STEEL", UNLESS OTHERWISE INDICATED.
- STEEL PIPE SHALL CONFORM TO ASTM A53 "PIPE, STEEL, BLACK AND HOT DIPPED, ZINC COATED, WELDED AND SEAMLESS", GRADE B
- ALL EXTERIOR STEEL SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED.
- ALL EXTERIOR BOLTS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
- DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A780 "REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS".
- ADHESIVE ANCHOR ASSEMBLIES SHALL BE AS MANUFACTURED BY HILTI OR ENGINEER APPROVED EQUAL, AS FOLLOWS:

BASE MATERIAL	ANCHOR SYSTEM
CONCRETE	HILTI HIT-RE300-SD
HOLLOW & GROUTED CMU OR BRICK	HILTI HIT-HY 70

 INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.

STRUCTURAL NOTES

- ALL WORK SHALL CONFORM TO ANSI/TIA-222-H-2017 "STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES", THE CALIFORNIA STATE BUILDING CODE AND ALL OTHER APPLICABLE LOCAL, STATE, AND FEDERAL CODES.
- PROPOSED TOWER AND FOUNDATION TO BE DESIGNED BY OTHERS.

CABLE NOTES

- THE PROPOSED CABLES SHOULD BE ROUTED INSIDE THE POLE.

ANTENNA MOUNTING NOTES

- THE DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFORM TO ANSI/TIA-222-H-2017 "STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES", THE CALIFORNIA STATE BUILDING CODE AND ALL OTHER APPLICABLE LOCAL, STATE, AND FEDERAL CODES.
- ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED.
- ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
- DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A780.
- ALL ANTENNA MOUNTS SHALL BE INSTALLED WITH DOUBLE NUTS AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- DESIGN OF THE ANTENNA MOUNTING BRACKETS, SUPPORTS, AND ALL COMPONENTS THEREOF AND ATTACHMENT THERETO SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER. MANUFACTURER SHALL PROVIDE THE OWNER WITH DRAWINGS DETAILING ALL COMPONENTS OF THE ASSEMBLY, INCLUDING CONNECTIONS, DESIGN LOADS, AND ALL OTHER PERTINENT DATA. MANUFACTURER SHALL ALSO PROVIDE THE OWNER WITH A STATEMENT OF COMPLIANCE, INDICATING THAT THE ANTENNA SUPPORTS HAVE BEEN DESIGNED IN ACCORDANCE WITH ANSI/TIA-222-H-2017 STANDARDS. ALL SUBMISSIONS SHALL BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA.

DIG SAFE NOTES

- CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA (DIGALERT) BY DIALING 811 PRIOR TO EXCAVATION AT SITE
- CONTRACTOR TO LOCATE AND VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION
- ALL EXCAVATION WORK WITHIN 36" OF EITHER SIDE OF UNDERGROUND UTILITIES MUST BE DONE BY HAND EXCAVATION METHODS

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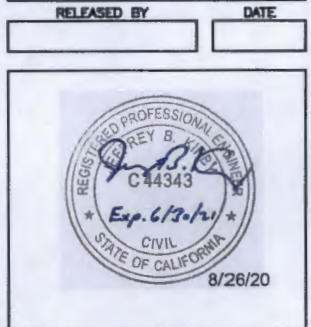
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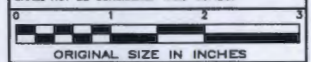
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LC: 551401

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ENCINO
LOS ANGELES COUNTY
CA 91406

SHEET TITLE
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GN-2

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