

SD Real Estate
Assets
City Consent Application

For installation / modification of Telecommunication antenna facility on City owned property

5-Oct-18

Date

The City of San Diego
Real Estate Assets Department
1200 Third Avenue, Suite 1700
San Diego, California 92101

RE: Site Name: Camino Ruiz Park Project # _____
Site Address: 11498 Camino Ruiz, San Diego (the "Property")
Agreement: Agreement dated April 11, 2011 (the "agreement") between The City of San Diego ("City") and Verizon Wireless (VAW) LLC ("Lessee" or "Permittee").

Verizon Wireless is seeking Consent from the City to perform the following to the above referenced site:

- ☒ Modify, upgrade or changes to existing equipment or Site as describe in the attached plans / photos.
- ☐ Installation of a New Wireless Communication Facility on City owned property.
- ☐ Apply for new Permit/New Agreement on existing facility - **NO** modifications or changes to Existing equipment or site.

Describe proposed project below:

Light Standards/Antennas: Verizon currently has antennas on two light standards within the park. One of the light standards has a radome which is 20" in diameter. The second light standard has a radome which is 24" in diameter. In order to accommodate new six-foot antennas in the smaller radome, Verizon is proposing to increase the diameter of the smaller radome to 24". The radome will also be extended in length from 72" to 90". Upon completion, both radomes will be 24" in diameter.

Equipment Room: Remove one (1) existing LTE Radio Cabinet. Install one (1) new Telco Cabinet. Remove twelve (12) existing Diplexers. Install three (3) new Diplexers. Install three (3) new RRU's. Total number of RRU's after installation will be nine (9).

Pursuant to Improvements and Alterations, section of the above referenced agreement, "Lessee / Permittee shall not construct any improvements, structures or installations of the Premises or make any alterations to the Premises (with the exception of equipment replacement or repairs) without City's prior written approval."

In order to comply with such requirements, Verizon Wireless would like to request City's consent to submit to Development Services Department for review of the proposed items above.

Sincerely, Rodney Philhower, agent for Verizon Wireless.

Applicant Signature: _____

☐ A one-time, **non-refundable Processing Fee** (\$4,920 for long term agreements - \$980 for Short term or ROE Permits) payable to "City Treasure", MUST be paid within 1 week of feasibility walk. This fee applies even if the agreement is never executed.

City Parks & Recreation Department has provided its consent and approval to allow applicant to submit application for Required Permits needed for the proposed items listed herein, with the understanding that the Department will be allowed to review the improvement plans prior to any permits being issued and that a pre-construction meeting will be conducted with staff before any work begins, if required.

11.7.18 Bruce Martinez D.D.
Date Print Name & Title

[Signature]
Signature

City of San Diego, acknowledgement and consent for Camino Ruiz Park -
Site Location

11/5/18 CAROL MONTSON
Date Print Name & Title

[Signature]
Signature

Director, Real Estate Assets

☐ Approved and Stamped plans received and attached
☐ Scan as Amendment to Agreement



Real Estate Assets

GENERAL NOTES

- THIS FACILITY IS EXEMPT FROM HANDICAP REQUIREMENTS PER 2016 CBC SECTION 11083.4 EXCEPTION #1. THIS FACILITY IS NON-OCCUPANCY SPACE AND NOT SUBJECT TO 2016 SERVICE PERMITS. THIS SPACE IS NOT FOR HUMAN OCCUPANCY.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING HIS BID. ANY DISCREPANCIES, CONFLICTS OR OMISSIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO SUBMITTING BID, AND PROCEEDING WITH ANY WORK.
- THE CONTRACTOR SHALL NOTIFY 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 ERRORS, OMISSIONS, OR INCONSISTENCY AFTER THE START OF CONSTRUCTION WHICH HAVE 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 OR THE ENGINEER RESPONSIBLE OF THE PROJECT.
- PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE 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. CONTACT USA DIAL ALERT @ 800-227-2863
- PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO 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.
- 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 DRAWINGS TO THE ARCHITECT OR THE ENGINEER RESPONSIBLE OF THE PROJECT AT THE CONCLUSION OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE THE WORK IS IN PROGRESS UNTIL THE JOB IS COMPLETE.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER, AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER OR GOVERNING AGENCY.
- ALL CONSTRUCTION THROUGH THE PROJECT SHALL CONFORM TO THE LATEST C.B.C. AND ALL OTHER GOVERNING CODES, INCLUDING THE CALIFORNIA ADMINISTRATIVE CODE, TITLE 8, 18, AND 24, THE MOST RESTRICTIVE CODE SHALL GOVERN.
- THE CONTRACTOR AND SUBCONTRACTOR SHALL COMPLY WITH ALL LOCAL AND STATE REGULATIONS INCLUDING ALL DHA REQUIREMENTS.
- WHEN REQUIRED STORAGE OF MATERIALS OCCURS, THEY SHALL BE EVENLY DISTRIBUTED OVER THE FLOOR OR ROOF. NO AS NOT TO EXCEED THE DESIGN LIVE LOAD FOR THE STRUCTURE. TEMPORARY SHORING OR BRACING SHALL BE PROVIDED WHERE THE STRUCTURE OR SOIL HAS NOT ATTAINED THE DESIGN STRENGTH FOR THE CONSTRUCTION PERMIT.
- THE CONTRACTOR SHALL SUPERVISE AND COORDINATE ALL WORK. USING HIS PROFESSIONAL KNOWLEDGE AND SKILLS. HE IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, TECHNIQUES, PROCEDURES AND SEQUENCING AND COORDINATING ALL PORTIONS OF THE WORK UNDER THE PROJECT.
- 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 AUTHORIZED AGENT. CONTRACTOR SHALL OBTAIN THE PERMIT AND MAKE FINAL PAYMENT OF SAID DOCUMENTS.
- ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE. DRAWINGS ARE NOT TO BE SCALED UNDER ANY CIRCUMSTANCES.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BRACING, FRAMING, HANGERS OR SUPPORTS FOR INSTALLATION OF ITEMS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL PROVIDE THE FIRE MARSHAL WITH A L. APPROVED MATERIALS TO RELEASE PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.
- PROPOSED CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR EXCEPT AS NOTED IN THE PLANS.
- THE CONTRACTOR IS TO PROVIDE PORTABLE FIRE EXTINGUISHERS HAVING A MINIMUM 2A:10B:C RATING WITH 75% OF TRAVEL TO ALL PORTIONS OF THE CONSTRUCTION AREA. (2016 CBC SECTION 908.1.1 & 7 AND SECTION 908.3.1)
- MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR APPROVING 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 REFUSE IS TO BE REMOVED FROM THE PROJECT. PREMISES SHALL BE LEFT IN A CLEAN BROOM FINISHED CONDITION AT ALL TIMES.
- BUILDING INSPECTORS AND/OR OTHER BUILDING OFFICIALS ARE TO BE NOTIFIED PRIOR TO ANY GRADING AND CONSTRUCTION EFFORT AS MANDATED BY THE GOVERNING AGENCY.
- ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY STANDARDS. IF A CONTRACTOR HAS A QUESTION REGARDING THEIR EXACT MEANING, THE ARCHITECT OR THE ENGINEER RESPONSIBLE OF THE PROJECT SHALL BE NOTIFIED FOR CLARIFICATIONS.
- SITE CONTRACTOR TO CALL DIAL ALERT 1-800-227-2863 TO LOCATE ANY AND ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION.
- ALL FACILITIES TO BE INSTALLED ARE UNBARRICAD. NO #3 PAVING SPACES SHALL BE USED OR REMOVED BY THIS PROJECT.
- PRIOR TO THE ISSUANCE OF ANY CONSTRUCTION PERMITS, THE APPLICANT SHALL INCORPORATE ANY CONSTRUCTION BEST MANAGEMENT PRACTICES NECESSARY TO COMPLY WITH THE CITY'S MINOR CLOSURE INTO THE CONSTRUCTION PLANS OR MODIFICATIONS.
- PRIOR TO THE ISSUANCE OF ANY CONSTRUCTION PERMITS, THE APPLICANT SHALL SUBMIT A WATER POLLUTION CONTROL PLAN (WPCL) THE WPCL SHALL BE PREPARED IN ACCORDANCE WITH THE GUIDELINES IN APPENDIX E OF THE CITY'S STORM WATER STANDARDS.
- THIS PROJECT PROPOSES NO DEVELOPMENT IMPROVEMENTS OUTSIDE THE EXISTING BUILDING FOOTPRINT FOR THIS DISCRETIONARY REVIEW AND THEREFORE DOES NOT REQUIRE ANY PERMANENT STORM WATER BEST MANAGEMENT PRACTICES.
- THIS IS ROOFTOP INSTALLATION ON AN EXISTING FACILITY AND NO GROUND DISTURBANCE OR TREACHING IS PROPOSED BY THIS PROJECT.
- THIS PROJECT PROPOSES NO WORK WITHIN THE PUBLIC RIGHT-OF-WAY.

STORM WATER QUALITY NOTES CONSTRUCTION BMPs

THIS PROJECT SHALL COMPLY WITH ALL REQUIREMENTS OF THE STATE PERMIT, CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD.

NOTES 1-4 BELOW REPRESENT KEY MINIMUM REQUIREMENTS FOR CONSTRUCTION BMPs

1. SUFFICIENT BMPs MUST BE INSTALLED TO PREVENT SILT, MUD OR OTHER CONSTRUCTION DEBRIS FROM BEING TRACKED INTO THE ADJACENT STREETS OR STORM WATER DRAINAGE SYSTEMS DUE TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY SUCH DEBRIS THAT MAY BE IN THE STREET AT THE END OF EACH WORK DAY OR AFTER A STORM EVENT THAT CAUSES A BREACH IN THE INSTALLED CONSTRUCTION BMPs.

2. ALL STOCK PILES OF UNCOMPACTED SOIL AND/OR BUILDING MATERIALS THAT ARE INTENDED TO BE LEFT UNPROTECTED FOR A PERIOD GREATER THAN SEVEN CALENDAR DAYS ARE TO BE PROVIDED WITH EROSION AND SEDIMENT CONTROLS. SUCH SOIL MUST BE PROTECTED EACH DAY WHEN THE PROBABILITY OF RAIN IS 40% OR GREATER.

3. A CONCRETE WALKOUT SHALL BE PROVIDED ON ALL PROJECTS WHICH PROPOSE THE CONSTRUCTION OF ANY CONCRETE IMPROVEMENTS THAT ARE TO BE POURED IN PLACE ON THE SITE.

4. ALL EROSION/SEDIMENT CONTROL DEVICES SHALL BE MAINTAINED IN WORKING ORDER AT ALL TIMES.

5. ALL SLOPES THAT ARE CREATED OR DISTURBED BY CONSTRUCTION ACTIVITY MUST BE PROTECTED AGAINST EROSION AND SEDIMENT TRANSPORT AT ALL TIMES.

6. THE STORAGE OF ALL CONSTRUCTION MATERIALS AND EQUIPMENT MUST BE PROTECTED AGAINST ANY POTENTIAL RELEASE OF POLLUTANTS INTO THE ENVIRONMENT.

GENERAL FIRE NOTES

- BUILDINGS UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION SHALL BE IN ACCORDANCE WITH 2016 CBC SECTION 1401 AND ALL GOVERNING CODES.
- ADDRESS SHALL BE PROVIDED FOR ALL PROPOSED AND EXISTING BUILDINGS IN A POSITION AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY (2016 CBC SECTION 908.1)
- DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION (2016 CBC SECTION 901.1.2)
- PORTABLE FIRE EXTINGUISHERS, AT LEAST ONE FIRE EXTINGUISHER WITH A MINIMUM RATING OF 2A:10B:C SHALL BE PROVIDED WITHIN 75 FEET MAXIMUM TRAVEL DISTANCE FOR EACH 8000 SQUARE FEET OR PORTION THEREOF ON EACH FLOOR (2016 CBC SECTION 908.1.1 & 7 AND SECTION 908.3.1)

ABBREVIATION

ABBREVIATION	DEFINITION
A.B.	ANCHOR BOLT
ABV.	ABOVE
ADCA.	ANTENNA CABLE COVER ASSEMBLY
ADD.	ADDITIONAL
A.F.F.	ABOVE FINISHED GRADE
A.F.D.	ABOVE FINISHED GRADE
ALUM.	ALUMINUM
ALT.	ALTERNATE
ANT.	ANTENNA
APPRX.	APPROXIMATELY
ARCH.	ARCHITECTURAL
AWG.	AMERICAN WIRE GAUGE
B.L.D.G.	BUILDING
B.L.	BLOCK
B.M.	BLOCKING
B.N.	BOUNDARY NAILING
B.T.W.	BARE TINED COPPER WIRE
B.O.F.	BOTTOM OF FOOTING
B.O.	BACK UP CABINET
CAB.	CABINET
CANT.	CANTILEVERED
C.B.	CLEAR
C.C.	COLUMN
C.D.	CONCRETE
CONN.	CONNECTION
CONSTR.	CONSTRUCTION
CONT.	CONTINUOUS
C.P.	CORNER (HOLE)
D.B.L.	DOUBLE
DEPT.	DEPARTMENT
D.F.	DIMENSION
DM.	DIMENSION
D.M.	DIMENSION
D.W.S.	DRAWING
D.W.L.	DRAWING
E.A.	EACH
E.L.	ELEVATION
E.L.C.	ELECTRICAL
ELEV.	ELEVATOR
E.M.T.	ELECTRICAL METALLIC TUBING
E.N.	END NAIL
E.N.R.	ENGINEERING
E.O.	EQUAL
EXP.	EXPANSION
EXT.	EXTERIOR

ABBREVIATION

ABBREVIATION	DEFINITION
F.A.B.	FABRICATION
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
F.N.	FLOOR
F.D.N.	FOUNDATION
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
F.S.	FORM SURFACE
F.T.	FOOTING
F.T.	FOOTPRINT
G.	GROWTH (CABINET)
G.A.	GALVANIZED
G.I.	GROUND FAULT CIRCUIT INTERRUPTER
G.I.L.	GLASS (GLASS)
G.L.	GLOBAL POSITIONING SYSTEM
G.P.S.	GROUND
H.D.R.	HEADER
HOR.	HANGER
H.T.	HIGH
I.C.B.	ISOLATED COPPER GROUND BUS
I.N.C.	INCHES
INT.	INTERIOR
L.B.	LAG BOLTS
L.F.	LINEAR FEET (FOOT)
L.	LONGITUDINAL
M.A.S.	MASONRY
M.A.X.	MAXIMUM
M.B.	MACHINE BOLT
M.C.H.	MECHANICAL
M.D.	MANUFACTURE
M.M.	MINIMUM
M.S.C.	MISCELLANEOUS
M.T.L.	METAL
N.B.	NEW
N.O.B.	NOT TO SCALE
N.T.S.	NOT TO SCALE
O.C.	OPENING
O.P.	OPENING
P.C.B.	PRECAST CONCRETE
P.C.B.	PERSONAL COMMUNICATION SERVICES
P.L.Y.	PLYWOOD
P.W.	POWER & PROTECTION CABINET
P.R.C.	PRIMARY RADIO CABINET
P.S.F.	POUNDS PER SQUARE FOOT

ABBREVIATION

ABBREVIATION	DEFINITION
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
P.W.H.	POWER (CABINET)
QTY.	QUANTITY
RAD.	RADIUS
REF.	REFERENCE
REF.	REFERENCE (MENTIONING)
REQ'D.	REQUIRED
RHS.	RIGID GALVANIZED STEEL
RNU.	RADIO REMOTE UNIT
SCH.	SCHEDULE
SHT.	SHEET
SH.	SHALL
SPEC.	SPECIFICATIONS
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUC.	STRUCTURAL
T.M.	TEMPORARY
THK.	THICKNESS
T.M.A.	TOWER MOUNTED AMPLIFIER
T.N.	TOE NAIL
T.O.A.	TOP OF ANTENNA
T.O.C.	TOP OF CURB
T.O.F.	TOP OF FOUNDATION
T.O.P.	TOP OF PLATE (PARAMET)
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.S.	UNDER GROUND
U.O.	UNDERWRITERS LABORATORY
V.I.P.	UNLESS NOTED OTHERWISE
W.P.	WIDE (WIDTH)
W.D.	WOOD
W.P.	WATER PROOF
WT.	WEIGHT
C.	CENTERLINE
E.	PLATE

ABBREVIATIONS

PROPOSED ANTENNA	GRID REFERENCE	CENTERLINE
EXISTING ANTENNA	DETAIL REFERENCE	PROPERTY LEASE LINE
GROUND ROD	ELEVATION REFERENCE	MATCH LINE
GROUND BUS BAR	SECTION REFERENCE	WORK POINT
MECHANICAL GRID CONN.	GROUT OR PLASTER	GROUND CONDUCTOR
CADWELD	(E) BRICK	TELEPHONE CONDUIT
GROUND ACCESS WELL	(E) MASONRY	TELEPHONE CONDUIT (POWER)
ELECTRIC BOX	CONCRETE	COAXIAL CABLE
TELEPHONE BOX	EARTH	FIBER
LIGHT POLE	GRAVEL	POWER AND FIBER
FND. MONUMENT	PLYWOOD	OVERHEAD SERVICE CONDUCTORS
SPOT ELEVATION	SAND	CHAIN LINK FENCING
SET POINT	WOOD CONT.	WOOD FENCE
REVISION	WOOD BLOCKING	OVERHEAD POWER LINE
	STEEL	BURIED POWER LINE
		OVERHEAD TELEPHONE LINE
		BURIED TELEPHONE LINE
		BURIED WATER LINE
		BURIED SANITARY SEWER
		BURIED STORM DRAIN

1

verizon
15505 SAND CANYON AVE.
BUILDING D 1st FLOOR
IRVINE, CA 92618

PLANCOM
302 STATE PLACE, 2ND FLOOR
ESCONDIDO, CA 92029

Technology Associates
SAN DIEGO MARKET OFFICE
2651 CAMINO DEL RIO SOUTH, STE 200
SAN DIEGO, CA 92108
(658) 300-2348

REV	DATE	DESCRIPTION	BY
1	06/17/2018	100% CONSTRUCTION	ED
2	07/26/2018	80% CD (20% COMMENTS)	GB
3	08/21/2018	80% CONSTRUCTION	VP

IT IS A VIOLATION OF LAW FOR ANY PERSON, FIRM OR ENTITY TO ACT OR CAUSE THE DESIGN OR CONSTRUCTION OF A PROJECT WITHOUT THE NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

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GENERAL NOTES

3

LEGEND

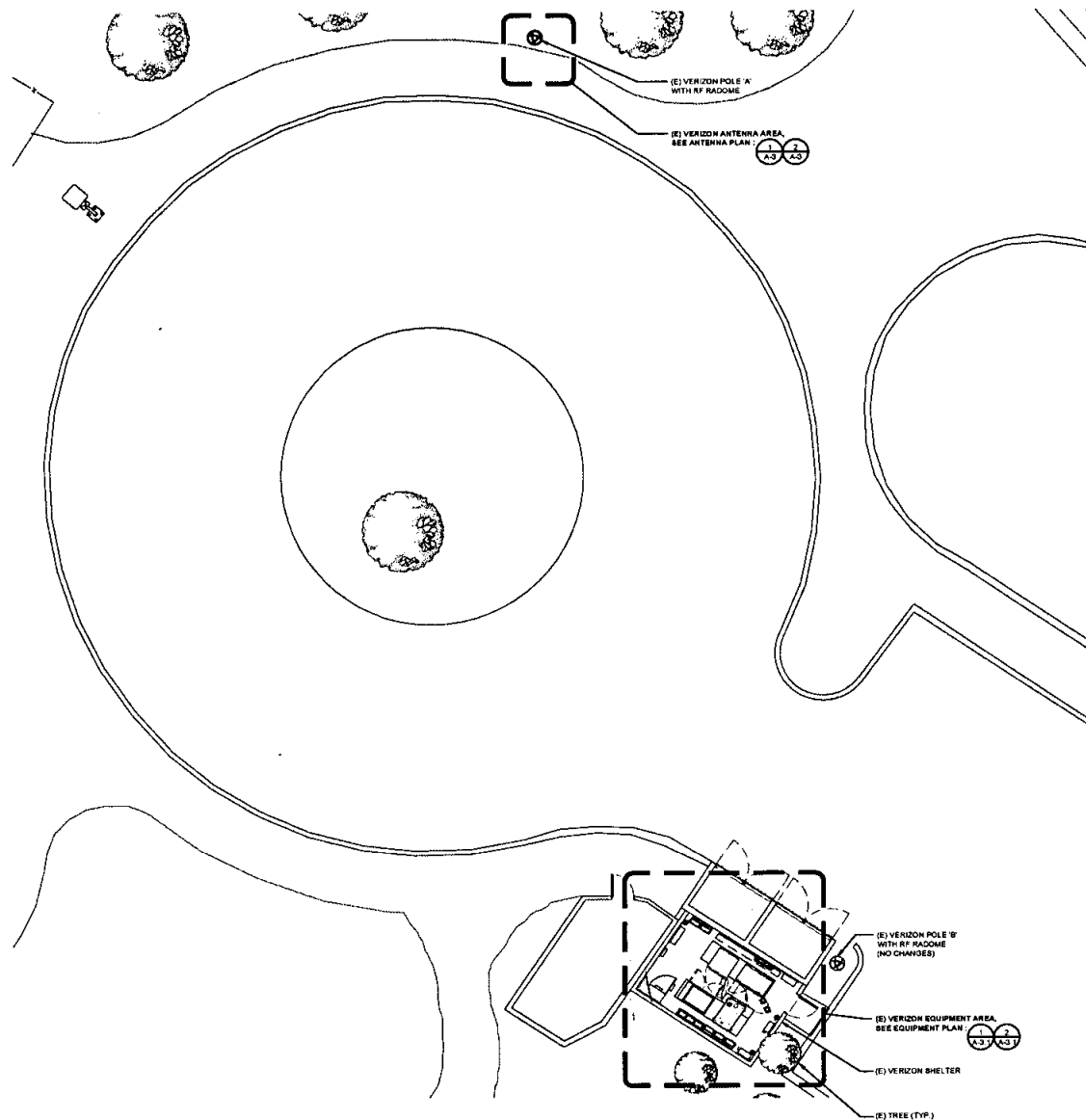
2

CAMINO RUIZ
11498 CAMINO RUIZ
SAN DIEGO, CA 92126
MONOPOLE

GENERAL NOTES

T-2

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 34" X 36". SCALE SHOWN IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES.



ENLARGED SITE PLAN

SCALE: 1/8" = 1'-0" (24x36)
(OR) 1/16" = 1'-0" (11x17)



verizon

15505 SAND CANYON AVE.
BUILDING 'D' 1st FLOOR
IRVINE, CA 92618

PLAN COME

302 STATE PLACE, 2ND FLOOR
ESCONDIDO, CA 92029

Technology Associates

SAN DIEGO MARKET OFFICE
2951 CAMINO DEL RIO SOUTH, STE 200
SAN DIEGO, CA 92108
(858) 300-2340

REV	DATE	DESCRIPTION	BY
1	08/11/2018	100% CONSTRUCTION	ED
2	07/25/2018	90% CL (DPA COMMENTS)	DS
3	06/13/2018	90% CONSTRUCTION	UP

IT IS A VIOLATION OF LAW FOR ANY PERSON
TO TAKE OR REPRODUCE ANY INFORMATION
FROM THIS DOCUMENT.

CAMINO RUIZ

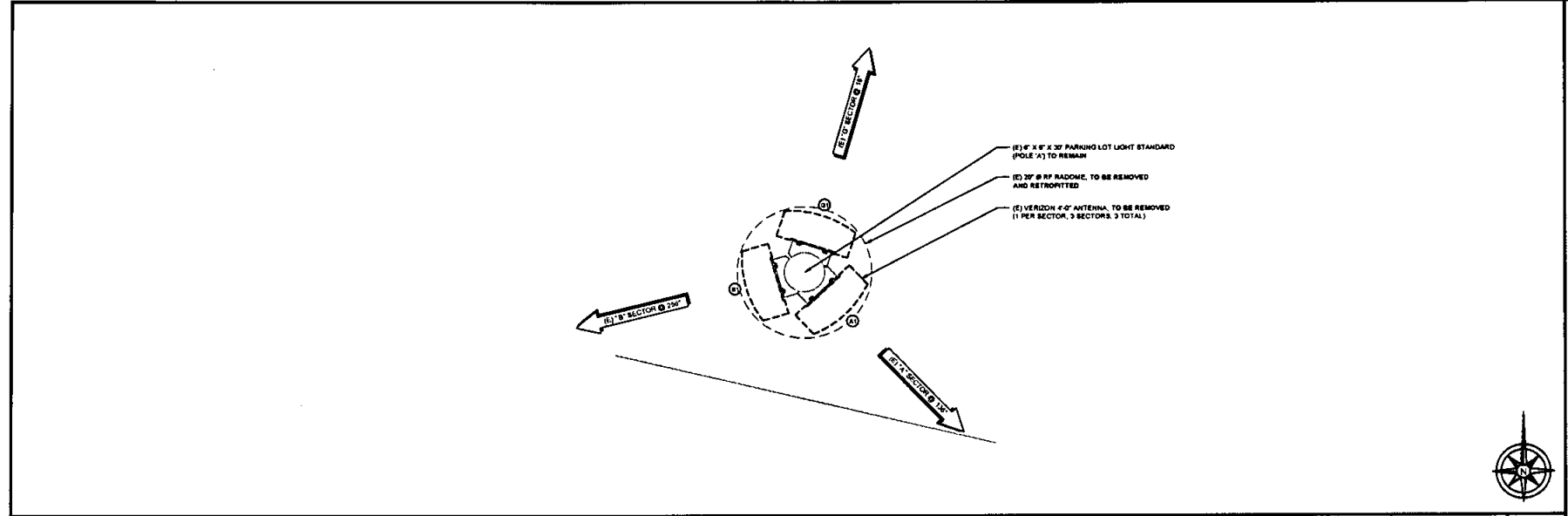
11498 CAMINO RUIZ
SAN DIEGO, CA 92126

MONOPOLE

SHEET TITLE
**ENLARGED
SITE PLAN**

SHEET NUMBER
A-2

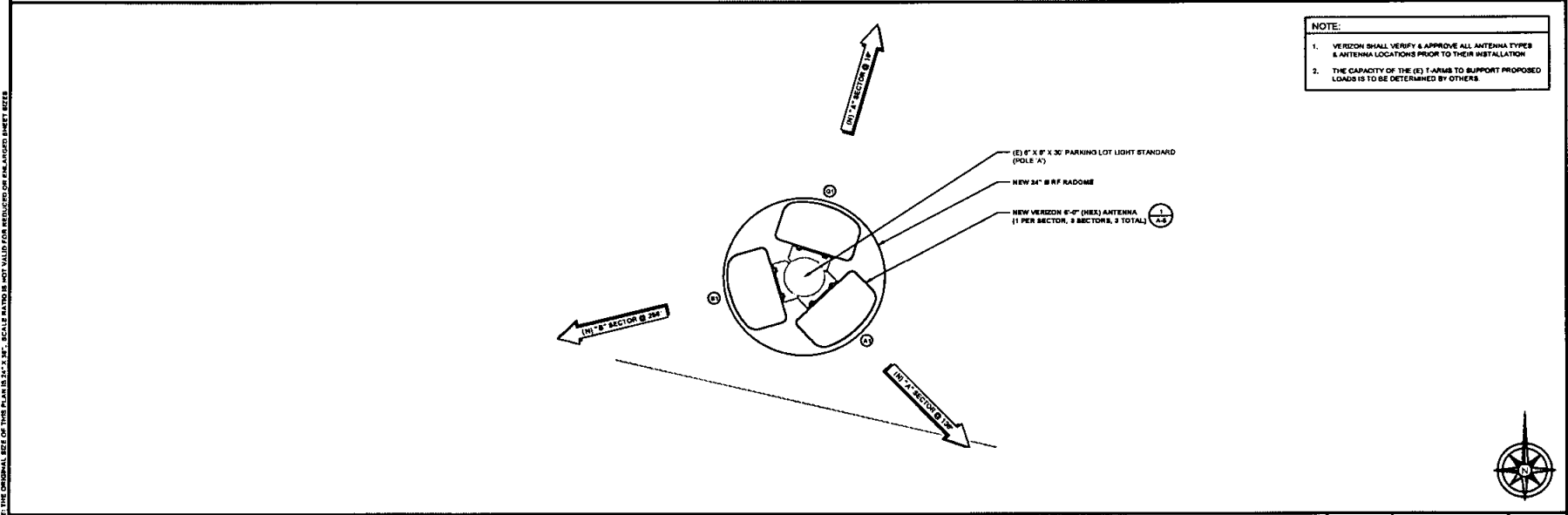
NOTE: THE ORIGINAL SET OF THIS PLAN IS 24" X 36". SCALE MAY BE NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES



ANTENNA PLAN (EXISTING)

0 4' 8' 16' SCALE: 1/16" = 1'-0" (24x36)
(OR) 1/32" = 1'-0" (11x17)

1



ANTENNA PLAN (FINAL)

0 1' 2' 4' SCALE: 3" = 1'-0" (24x36)
(OR) 1-1/2" = 1'-0" (11x17)

2

- NOTE:
1. VERIZON SHALL VERIFY & APPROVE ALL ANTENNA TYPES & ANTENNA LOCATIONS PRIOR TO THEIR INSTALLATION
 2. THE CAPACITY OF THE (E) TOWER TO SUPPORT PROPOSED LOADS IS TO BE DETERMINED BY OTHERS

15505 SAND CANYON AVE.
BUILDING D' 1st FLOOR
IRVINE, CA 92618

302 STATE PLACE, 2ND FLOOR
ESCONDIDO, CA 92020

SAN DIEGO MARKET OFFICE
2851 CAMINO DEL RIO SOUTH, STE 200
SAN DIEGO, CA 92108
(656) 300-2346

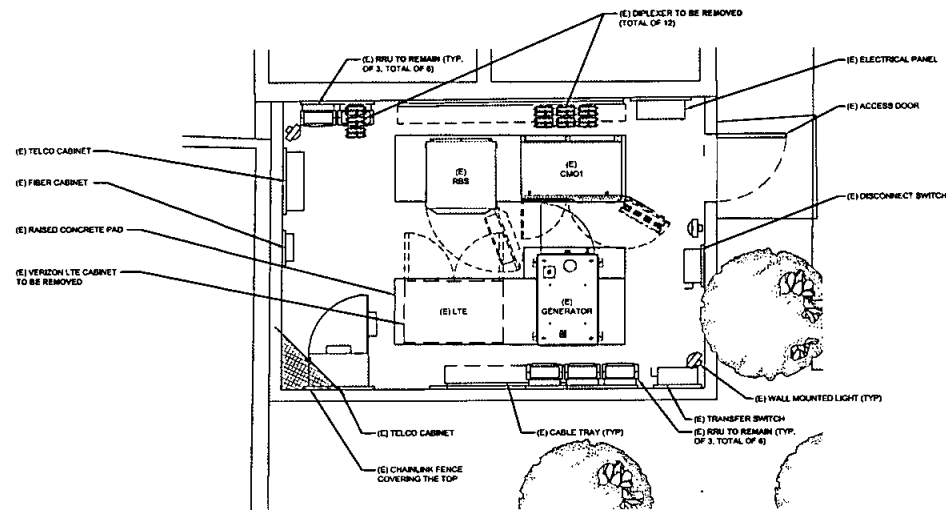
REV	DATE	DESCRIPTION	BY
C	09/17/2019	100% CONSTRUCTION	ES
B	09/25/2019	90% CONSTRUCTION	ES
A	09/17/2019	90% CONSTRUCTION	VP

IF A VIOLATION OF LAWYER OR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THE DESIGN IS IT

CAMINO RUIZ
11498 CAMINO RUIZ
SAN DIEGO, CA 92126
MONOPOLE

SHEET TITLE
ANTENNA PLANS

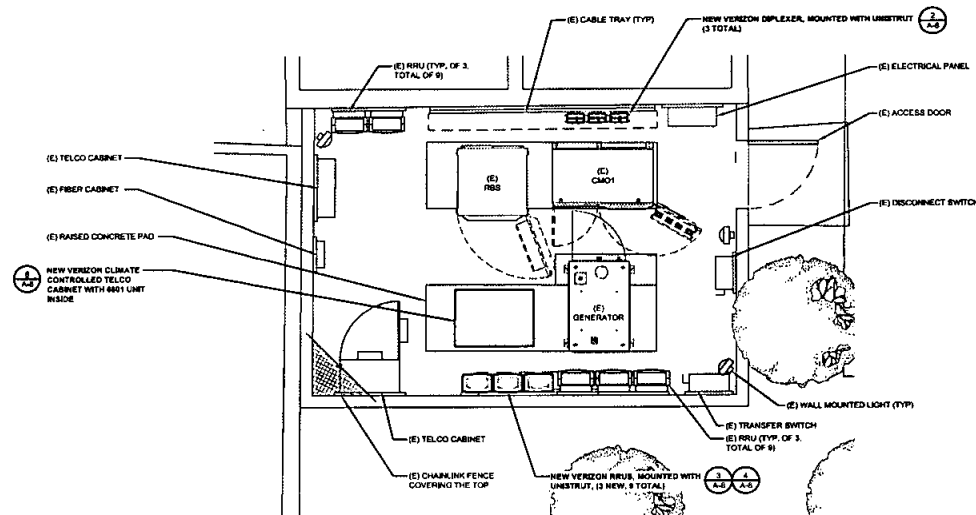
SHEET NUMBER
A-3



EQUIPMENT PLAN (EXISTING)

0 1' 2' 3' SCALE: 3/8" = 1'-0" (24x36)
(OR) 3/16" = 1'-0" (11x17)

1



EQUIPMENT PLAN (FINAL)

0 4' 8' 16' SCALE: 1/16" = 1'-0" (24x36)
(OR) 1/32" = 1'-0" (11x17)

2

verizon

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SAN DIEGO, CA 92108
(858) 300-2346

REV	DATE	DESCRIPTION	BY
C	09/11/2018	100% CONSTRUCTION	ED
B	07/25/2018	90% C.A. (C.A. COMMENTS)	DS
A	05/10/2018	90% CONSTRUCTION	VF

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

CAMINO RUIZ

11498 CAMINO RUIZ
SAN DIEGO, CA 92126
MONOPOLE

SHEET TITLE
**EQUIPMENT
PLANS**

SHEET NUMBER
A-3.1

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 36" x 48". SCALE RATIO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES.

TOP OF (E) LIGHT POLE
ELEV. 30'-0" AGL

TOP OF (E) VERIZON ANTENNAS
ELEV. 29'-0" AGL

CENTERLINE OF (E) VERIZON ANTENNAS
ELEV. 27'-0" AGL

(E) 20" Ø RF RADOME, TO BE REMOVED
AND RETROFITTED

(E) VERIZON 4'-0" ANTENNA, TO BE REMOVED
(1 PER SECTOR, 3 SECTORS, 3 TOTAL)

(E) 6" X 6" X 30' PARKING LOT LIGHT STANDARD
TO REMAIN

(E) VERIZON
EQUIPMENT SHELTER

FRESH GRADE
ELEV. 0'-0" AGL

NOTE:
RRUS, DIPLEXERS, AND RAYCAPS NOT SHOWN FOR CLARITY.

NOTE:
RRUS, DIPLEXERS, AND RAYCAPS ARE TO BE LOCATED
BEHIND WALL.

(E) VERIZON 6'-0" ANTENNA, TO REMAIN
(1 PER SECTOR, 3 SECTORS, 3 TOTAL)

(E) 24" Ø RF RADOME, TO REMAIN

SOUTH ELEVATION (EXISTING)

0 1' 2' 4' SCALE: 1/8" = 1'-0" (24x36)
(OR) 1/8" = 1'-0" (11x17)

1

TOP OF (E) LIGHT POLE
ELEV. 30'-0" AGL

TOP OF (E) VERIZON ANTENNAS
ELEV. 29'-0" AGL

CENTERLINE OF (E) VERIZON ANTENNAS
ELEV. 28'-0" AGL

NEW 24" Ø RF RADOME

NEW VERIZON 6'-0" (H&S) ANTENNA
(1 PER SECTOR, 3 SECTORS, 3 TOTAL)

(E) 6" X 6" X 30' PARKING LOT LIGHT STANDARD

(E) VERIZON
EQUIPMENT SHELTER

FRESH GRADE
ELEV. 0'-0" AGL

(E) VERIZON 6'-0" ANTENNA
(1 PER SECTOR, 3 SECTORS, 3 TOTAL)

(E) 24" Ø RF RADOME

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 34" X 44". SCALE SHOWN IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZE.

SOUTH ELEVATION (FINAL)

0 1' 2' 4' SCALE: 1/8" = 1'-0" (24x36)
(OR) 1/8" = 1'-0" (11x17)

2

verizon

15505 SAND CANYON AVE.
BUILDING 'D' 1st FLOOR
IRVINE, CA 92618

PLANCOM

302 STATE PLACE, 2ND FLOOR
ESCONDIDO, CA 92029

Technology Associates

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SAN DIEGO, CA 92108
(656) 300-2349

REV	DATE	DESCRIPTION	BY
0	09/10/2014	10% CONSTRUCTION	SD
1	10/03/2014	95% CONSTRUCTION	SD
2	10/03/2014	95% CONSTRUCTION	SD
3	10/03/2014	95% CONSTRUCTION	SD

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TO ALTER THIS DOCUMENT

CAMINO RUIZ

11498 CAMINO RUIZ
SAN DIEGO, CA 92126
MONOPOLE

SHEET TITLE
ELEVATIONS

SHEET NUMBER
A-4

- TOP OF LIGHT POLE
ELEV. 30'-0" AGL
- TOP OF VERIZON ANTENNAS
ELEV. 29'-0" AGL
- CENTERLINE OF (E) VERIZON ANTENNAS
ELEV. 27'-4" AGL

(E) VERIZON 6'-0" ANTENNA, TO REMAIN
(1 PER SECTOR, 3 SECTORS, 3 TOTAL)

(E) 24" Ø RF RADOME, TO REMAIN

NOTE:
RRUS, DIPLEXERS, AND RAYCAPS NOT SHOWN FOR CLARITY.

NOTE:
RRUS, DIPLEXERS, AND RAYCAPS ARE TO BE LOCATED BEHIND WALL.

(E) VERIZON 4'-0" ANTENNA, TO BE REMOVED
(1 PER SECTOR, 3 SECTORS, 3 TOTAL)

(E) 20" Ø RF RADOME, TO BE REMOVED AND RETROFITTED

(E) 8" X 8" X 30' PARKING LOT LIGHT STANDARD TO REMAIN

- FINISH GRADE
ELEV. 0'-0" REF

(E) VERIZON EQUIPMENT SHELTER

EAST ELEVATION (EXISTING)

0 1' 2' 4' SCALE: 1/4" = 1'-0" (24x36)
(OR) 1/8" = 1'-0" (11x17)

1

- TOP OF LIGHT POLE
ELEV. 30'-0" AGL
- TOP OF (E) VERIZON ANTENNAS
ELEV. 29'-0" AGL
- CENTERLINE OF (E) VERIZON ANTENNAS
ELEV. 27'-4" AGL

(E) 24" Ø RF RADOME

(E) VERIZON 6'-0" ANTENNA
(1 PER SECTOR, 3 SECTORS, 3 TOTAL)

- FINISH GRADE
ELEV. 0'-0" REF

(E) VERIZON EQUIPMENT SHELTER

NEW VERIZON 6'-0" (HEX) ANTENNA
(1 PER SECTOR, 3 SECTORS, 3 TOTAL)

NEW 24" Ø RF RADOME

(E) 8" X 8" X 30' PARKING LOT LIGHT STANDARD

1
A-5

EAST ELEVATION (FINAL)

0 1' 2' 4' SCALE: 1/4" = 1'-0" (24x36)
(OR) 1/8" = 1'-0" (11x17)

2

verizon

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PLANCOM

302 STATE PLACE, 2ND FLOOR
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(658) 300-2348

REV	DATE	DESCRIPTION	BY
C	06/11/2014	WPL CONSTRUCTION	SD
B	07/02/2014	WPL CX (DPM COMMENTS)	DB
A	06/11/2014	WPL CONSTRUCTION	W

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CAMINO RUIZ

11498 CAMINO RUIZ
SAN DIEGO, CA 92126
MONOPOLE

SHEET TITLE

ELEVATIONS

SHEET NUMBER

A-5

NOT: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36" X 36". SCALE PLANNED IS NOT VALID FOR REDUCED OR ENLARGED SHIFTS SIZE.

TOP OF FLIGHT POLE
ELEV. 30'-0" AGL

TOP OF VERIZON ANTENNAS
ELEV. 30'-0" AGL

CENTERLINE OF (E) VERIZON ANTENNAS
ELEV. 27'-0" AGL

(E) VERIZON 8'-0" ANTENNA TO REMAIN
(1 PER SECTOR, 3 SECTORS, 3 TOTAL)

(E) 24" R RADOME TO REMAIN

(E) VERIZON
EQUIPMENT SHELTER

FINISH GRADE
ELEV. 0'-0" REF

NOTE:
RRUS, DIPLEXERS, AND RAYCAPS NOT SHOWN FOR CLARITY.

NOTE:
RRUS, DIPLEXERS, AND RAYCAPS ARE TO BE LOCATED
BEHIND WALL.

(E) VERIZON 4'-0" ANTENNA TO BE REMOVED
(1 PER SECTOR, 3 SECTORS, 3 TOTAL)

(E) 20" R RF RADOME, TO BE REMOVED
AND RETROFITTED

(E) 8' X 8' X 30' PARKING LOT LIGHT STANDARD
TO REMAIN

NORTH ELEVATION (EXISTING)

0 1' 2' 4' SCALE: 1/4" = 1'-0" (24x36)
(OR) 1/8" = 1'-0" (11x17) 1

TOP OF FLIGHT POLE
ELEV. 30'-0" AGL

TOP OF (N) VERIZON ANTENNAS
ELEV. 30'-0" AGL

CENTERLINE OF (N) VERIZON ANTENNAS
ELEV. 28'-0" AGL

(E) VERIZON 8'-0" ANTENNA
(1 PER SECTOR, 3 SECTORS, 3 TOTAL)

(E) 24" R RADOME

(E) VERIZON
EQUIPMENT SHELTER

FINISH GRADE
ELEV. 0'-0" REF

NEW VERIZON 8'-0" (NEW) ANTENNA
(1 PER SECTOR, 3 SECTORS, 3 TOTAL)

NEW 24" R RF RADOME

(E) 8' X 8' X 30' PARKING LOT LIGHT STANDARD

NORTH ELEVATION (FINAL)

0 1' 2' 4' SCALE: 1/4" = 1'-0" (24x36)
(OR) 1/8" = 1'-0" (11x17) 2

verizon

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PLANCOM

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SAN DIEGO, CA 92108
(619) 300-2340

REV	DATE	DESCRIPTION	BY
C	08/17/2018	100% CONSTRUCTION	SD
B	07/25/2018	80% CONSTRUCTION	SD
A	06/15/2018	80% CONSTRUCTION	UP

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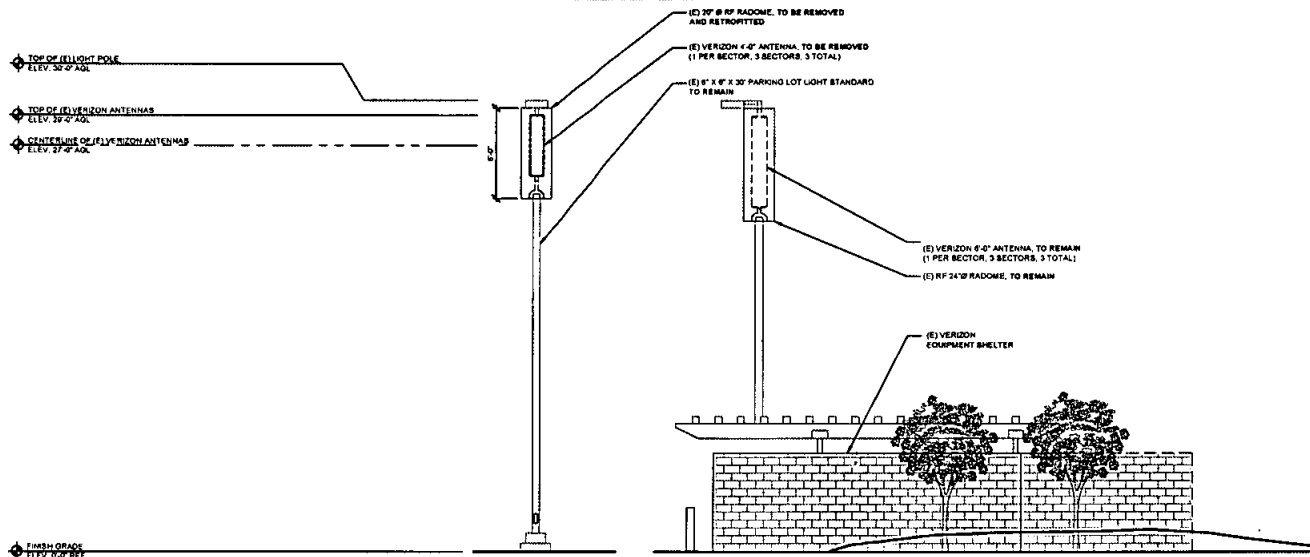
CAMINO RUIZ

11498 CAMINO RUIZ
SAN DIEGO, CA 92126
MONOPOLE

SHEET TITLE
ELEVATIONS

SHEET NUMBER
A-6

NOTE: THE ORIGINAL SET OF THIS PLAN IS 34" X 46". SCALE RATIO IS NOT VALID FOR REPRODUCTION OF THIS DOCUMENT.

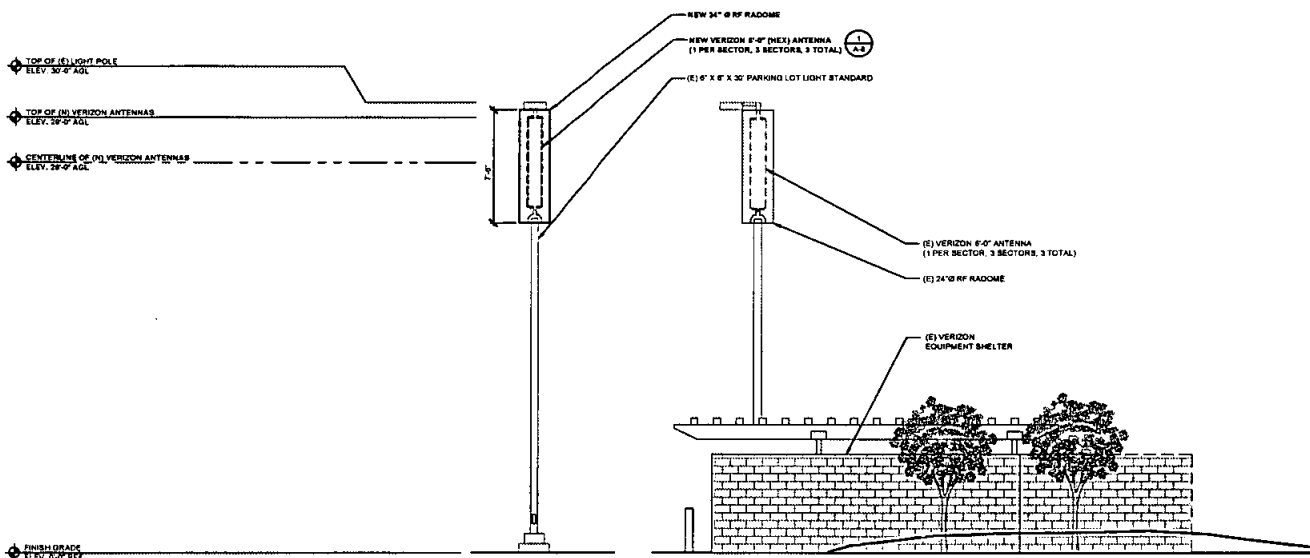


NOTE:
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NOTE:
RRUS, DIPLEXERS, AND RAYCAPS ARE TO BE LOCATED BEHIND WALL.

WEST ELEVATION (EXISTING)

0 1' 2' 4' SCALE: 1/4" = 1'-0" (24x36)
(OR) 1/8" = 1'-0" (11x17) 1



WEST ELEVATION (FINAL)

0 1' 2' 4' SCALE: 1/4" = 1'-0" (24x36)
(OR) 1/8" = 1'-0" (11x17) 2

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SAN DIEGO, CA 92108
(619) 300-2346

REV	DATE	DESCRIPTION	BY
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

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CAMINO RUIZ

11498 CAMINO RUIZ
SAN DIEGO, CA 92126

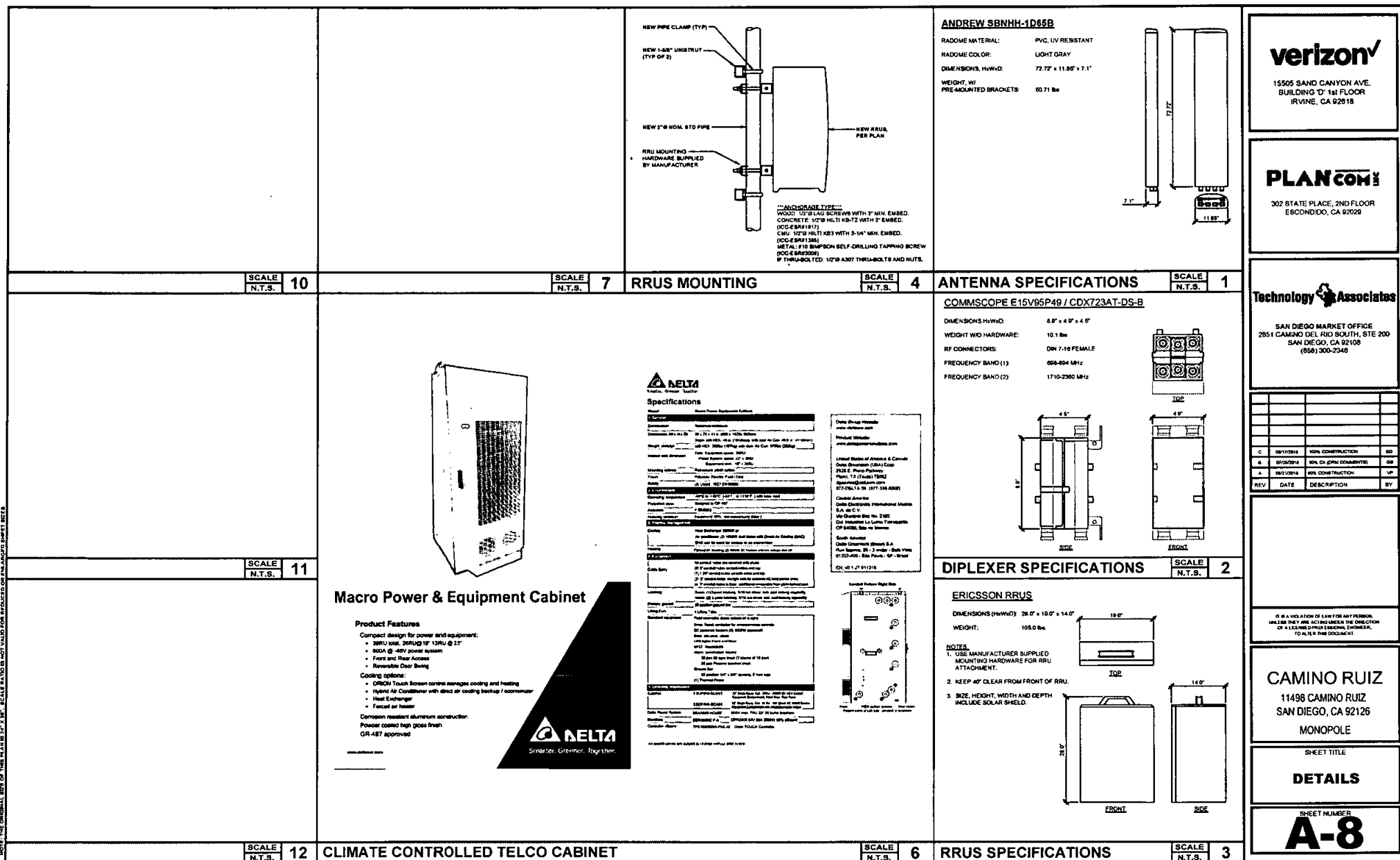
MONOPOLE

SHEET TITLE
ELEVATIONS

SHEET NUMBER
A-7

NOTE: THE ORIGINAL SET OF THIS PLAN IS 34" X 36". SCALE SHOWN IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES.

NOTE: THE ORIGINAL SET OF THIS DRAWING IS 24" X 36". SCALE PLANS ARE NOT VALID FOR REPRODUCTION OF ANY PARTS SHOWN HERE.



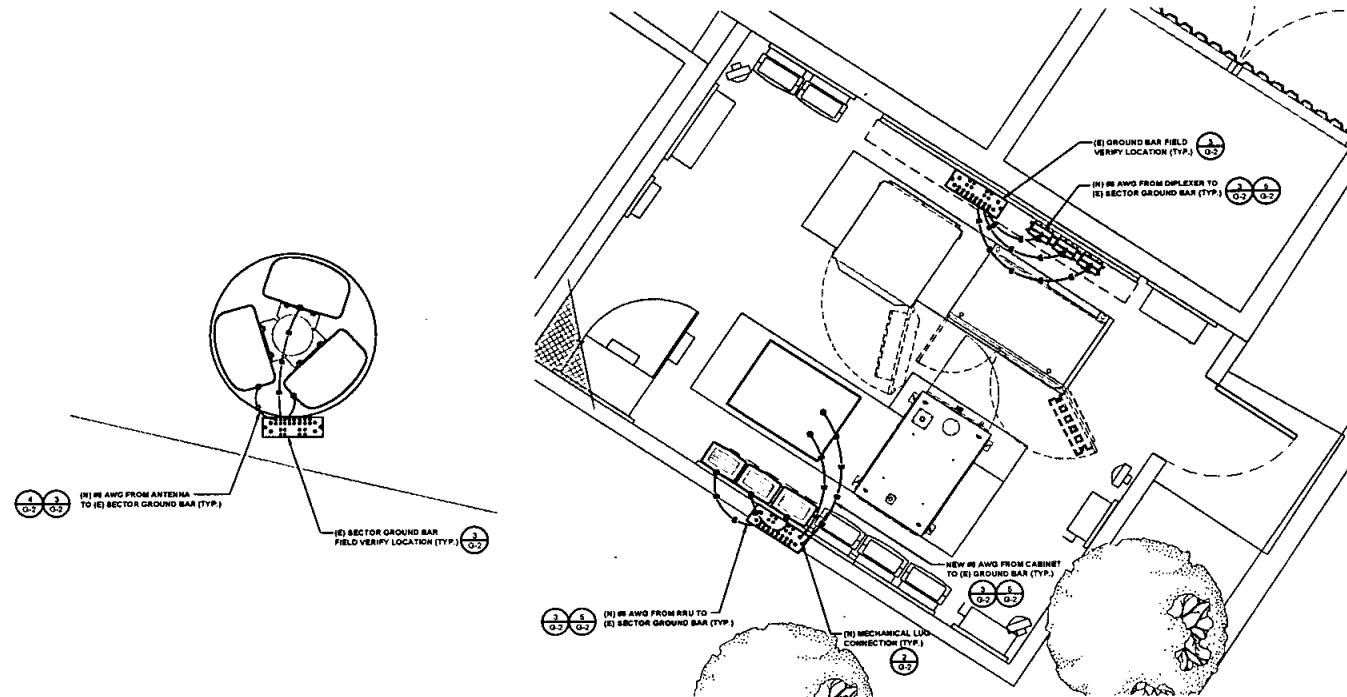
ELECTRICAL GROUNDING SPECIFICATIONS

- GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE CURRENTLY IN EFFECT FOR THE AUTHORITY HAVING JURISDICTION.
- ALL GROUNDING DEVICES SHALL BE U.L. LISTED FOR THEIR INTENDED USE.
- GROUND WIRES SHALL BE TINNED #2 AWG BARE SOLID COPPER UNLESS OTHERWISE NOTED.
- CONNECTIONS OF ALL GROUND WIRES TO THE GROUND RING SHALL BE EXOTHERMIC (CAD-WELDED), UNLESS OTHERWISE NOTED AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND VERTICAL WIRELESS BROADBAND STANDARDS.
- GROUNDING CONDUCTORS SHALL BE ROUTED ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. WHEN REQUIRED, GROUND LEADS SHALL BE BENT TO A MINIMUM OF 8" RADIUS.
- WHERE GROUND WIRES ARE ROUTED FROM ANY CONNECTION ABOVE GRADE TO THE GROUND RING, INSTALL WIRE IN 3/4" HEAVY WALL LIQUID TIGHT FLEXIBLE CONDUIT FROM CONNECTION POINT TO 6" BELOW GRADE AND SEAL THE TOP WITH SILICONE SEALANT.
- ALL GROUND BARS SHALL BE TINNED, 1/4" COPPER, SECTOR BARS 2" COLLECTOR AND MOB BARS 4" OF SUFFICIENT LENGTH TO ACCOMMODATE ALL REQUIRED CONNECTIONS WITHOUT DOUBLING LUGS, AND EACH INSTALLED WITH ISOLATORS WHEN CONNECTING GROUND BARS (WITHIN 10 FEET OF GRADE) DIRECTLY TO THE GROUND RING. 2 EA. #2 SOLID DOWNLEADS SHALL BE CAD-WELDED TO THE GROUND BAR, 1 AT EACH OPPOSITE BOTTOM CORNER, AND EACH SHALL RUN IN 3/4" HEAVY WALL LIQUID TIGHT FLEXIBLE CONDUIT FROM GROUND BAR DOWN TO THE GROUND RING WHEN CONNECTING SECTOR GROUND BARS. DOWNSIDE THE GROUND BARS AND RUN 1 EA. #2 AWG STRANDED COPPER WIRE WITH THIN INSULATION FROM THE MIDDLE GROUND BAR TO THE GROUND RING AND CAD-WELD TO THE RING.
- WHEN ATTACHING BRAIDED GROUND LEADS TO THE GROUND BARS, 1/2" HOLE COMPRESSION LUGS SHALL BE USED. PROTECT WITH WEATHERPROOF HEAT SHIELD, AND WITH A THIN COAT OF "GOLD" SHIELD OR EQUIVALENT PROPERLY APPLIED AND ATTACHED ONLY WITH STAINLESS STEEL HANDS.
- WHEN GROUNDING EQUIPMENT ENCLOSURES, PANELS, FRAMES, AND OTHER METAL APPARATUS, A #2 AWG STRANDED COPPER WIRE WITH THIN INSULATION SHALL BE ATTACHED UTILIZING A 1/2" HOLE COMPRESSION TYPE LUG, PROTECTED WITH WEATHERPROOF HEAT A CLEAN AND CORROSION FREE METALLIC SURFACE UTILIZING STAINLESS STEEL SELF-TAPPING SCREWS AS NOTED IN NOTE TO BELOW.
- PREPARE ALL BONDING SURFACES FOR GROUND CONNECTIONS BY REMOVING ANY AND ALL PAINT AND CORROSION TO BARE METAL. FOLLOWING CAD-WELDED CONNECTIONS TO NON-COPPER SURFACES, APPLY ONE COAT OF ANY ANTI-CORROSION PAINT, "GOLD GALT" OR EQUIVALENT.
- GROUND ROOFS SHALL BE COPPER-CLAD STEEL, 1/8" THICK, SPACED NO LESS THAN 12" ON CENTER.
- ALL GROUND SYSTEM CONDUCTORS AND CONDUITS SHALL BE SECURED UTILIZING ONLY NONMETALLIC, NON-CONDUCTIVE, UV RATED CLAMPS, BRACKET, AND OR SUPPORTS.
- WHEN REQUIRED, THE CONTRACTOR SHALL ENSURE THE SERVICES OF AN INDEPENDENT TESTING FIRM TO VERIFY, UTILIZING A MEGGER TEST, THAT THE RESISTANCE TO EARTH OF THE (H) GROUND SYSTEM IS EQUAL TO OR LESS THAN 5 OHMS. A COPY OF THE COMPLETE TESTING REPORT SHALL BE PROVIDED TO THE VERIZON REPRESENTATIVE.
- ALL MATERIALS AND HARDWARE SHALL BE INSTALLED IN A WORKMAN-LIKE MANNER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND DEFINED IN NFPA-70 AND APPROVED BY A.E.I.

LEGEND	
	EXOTHERMIC CONNECTION
	MECHANICAL CONNECTION
	EQUIPMENT GROUND BAR
	ANTENNA GROUND BAR (AS REQUIRED)
	#2 AWG GROUND LEAD (AS REQUIRED)

NOTE:

- CONTRACTOR TO REPLACE ALL MISSING GROUND BARS AND GROUNDING CONNECTIONS AS REQUIRED.
- (H) MOUNTING PIPES (H) INSTALLED FOR MODIFICATION SHALL HAVE AN EXOTHERMIC WELD THAT LEADS TO THE (E) SECTOR GROUND BAR. A MECHANICAL LUG CONNECTION SHALL OCCUR AT (E) SECTOR GROUND BAR.



SCALE
N.T.S.

2

verizon

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Technology Associates

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2651 CAMINO DEL RIO SOUTH, STE 200
SAN DIEGO, CA 92108
(619) 300-2348

REV	DATE	DESCRIPTION	BY
C	08/17/2014	10% CONSTRUCTION	BD
B	07/09/2014	80% CD (DRW COMMENTS)	GD
A	06/19/2014	80% CONSTRUCTION	VP

IF A VIOLATION OF LAW FOR ANY PERSON,
HAS BEEN OR MAY BE ACTED UNDER THE DIRECTION
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CAMINO RUIZ

11498 CAMINO RUIZ
SAN DIEGO, CA 92126
MONOPOLE

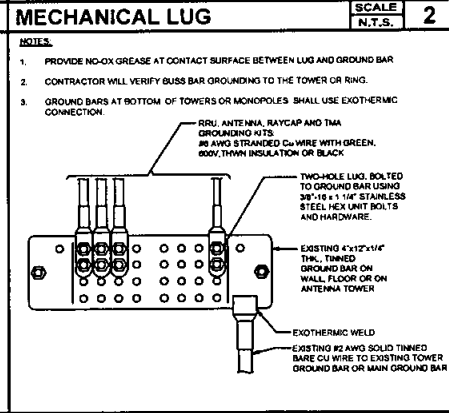
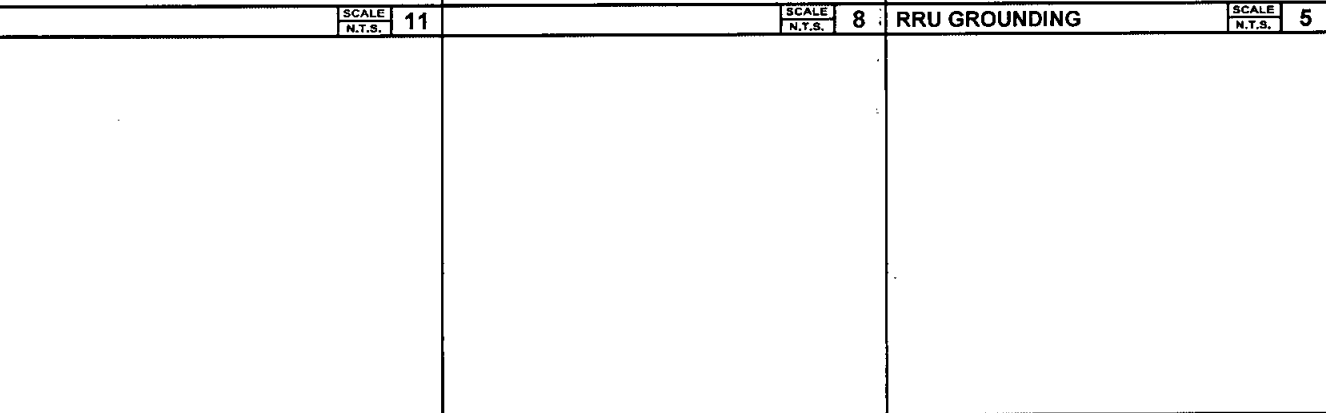
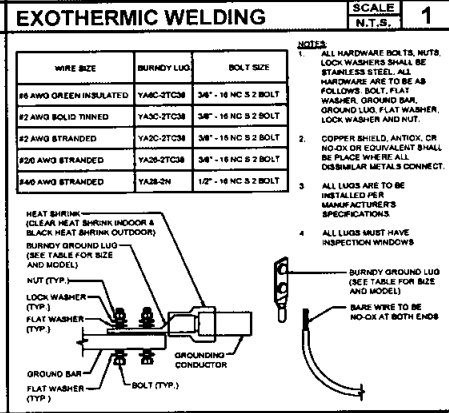
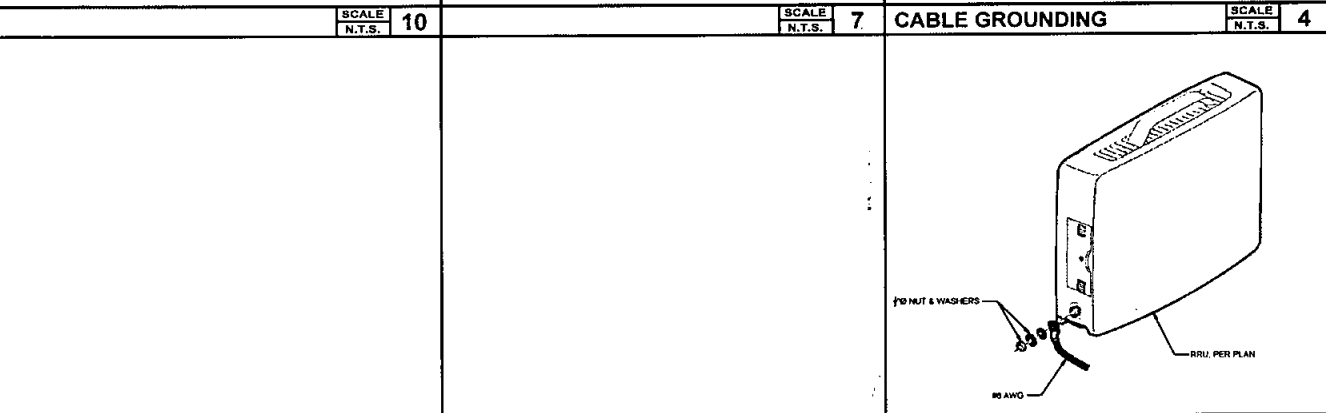
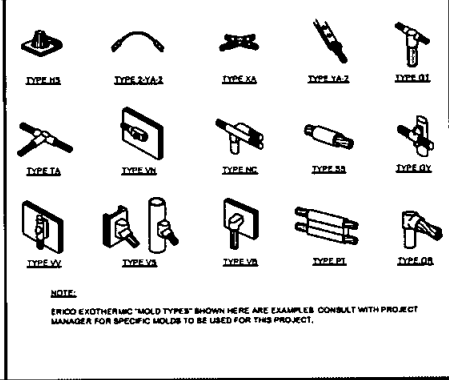
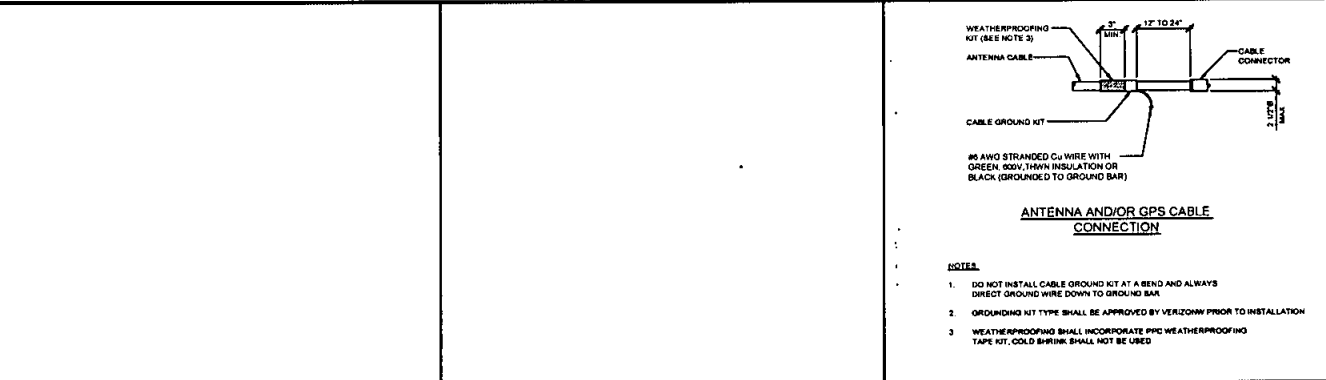
SHEET TITLE
**GROUNDING
PLAN**

SHEET NUMBER
G-1

NOTES & LEGEND

1 ANTENNA GROUNDING PLAN

NOTE: THE ORIGINAL SET OF THIS PLAN IS 18" x 24". SCALE 1/4"=1'-0". THIS SET IS NOT VALID FOR REUSE OR FOR ANY OTHER PROJECT.



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CAMINO RUIZ
11498 CAMINO RUIZ
SAN DIEGO, CA 92126
MONOPOLE

SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER
G-2

verizon

CAMINO RUIZ

7'-6" X 24" O.D. TOP SECTION

LOCATION:

11498 CAMINO RUIZ
SAN DIEGO, CA 92126
SAN DIEGO COUNTY



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SAN DIEGO, CA 92108
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VERIZON

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BUILDING 17 1ST FLOOR
IRVINE, CA 92618

TITLE SHEET

CAMINO RUIZ

7'-6" X 24" O.D. TOP SECTION
11498 CAMINO RUIZ
SAN DIEGO, CA 92126



09/28/18

DRAWING INDEX

T1 TITLE SHEET
S1 ELEVATION VIEW & NOTES
S2 DETAILS

SPECIAL INSPECTIONS:

1. STEEL FABRICATION SHALL BE DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION.
2. NO FIELD WELDING SHALL BE PERMITTED, U.N.O.
3. THE FOLLOWING SPECIAL INSPECTIONS SHALL BE REQUIRED PER CHAPTER 17 OF THE BUILDING CODE.
 - PERIODIC SPECIAL INSPECTION OF HIGH-STRENGTH BOLTING
 - PERIODIC SPECIAL INSPECTION OF FIELD WELDING WHERE ALLOWED

STRUCTURAL OBSERVATION:

NO STRUCTURAL OBSERVATION IS REQUIRED.

DISCLAIMERS

- 1) ALL STRUCTURAL COMPONENTS TO BE CONNECTED TOGETHER SHALL BE COMPLETELY FIT UP ON THE GROUND OR OTHERWISE VERIFIED FOR COMPATIBILITY PRIOR TO LIFTING ANY COMPONENT INTO PLACE. REPAIRS REQUIRED DUE TO FIT-UP OR CONNECTION COMPATIBILITY PROBLEMS AFTER PARTIAL ERECTION ARE THE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR.
- 2) ALTHOUGH RARE, EXCESSIVE DEFLECTION AT LOW WIND SPEEDS SEVERE ENOUGH TO CAUSE DAMAGE CAN OCCASIONALLY OCCUR IN SLIMLINE OR MONOPOLE STRUCTURES. BECAUSE THEY ARE INFLUENCED BY MANY INTERACTING VARIABLES, MOVEMENT AND OSCILLATIONS ARE GENERALLY UNPREDICTABLE. THE TOWER OWNER MUST PERIODICALLY OBSERVE THE STRUCTURE FOR EXCESSIVE DEFLECTION AND ANY RESULTING STRUCTURAL DAMAGE OR BOLT LOOSENING. IN THE EVENT OF EXCESSIVE MOVEMENT, VECTOR STRUCTURAL ENGINEERS MUST BE NOTIFIED IMMEDIATELY. MODIFICATIONS TO THE STRUCTURE MAY BE REQUIRED AT THE OWNER'S EXPENSE. THE CHANGES MAY ALTER THE AESTHETIC APPEARANCE OF THE STRUCTURE.

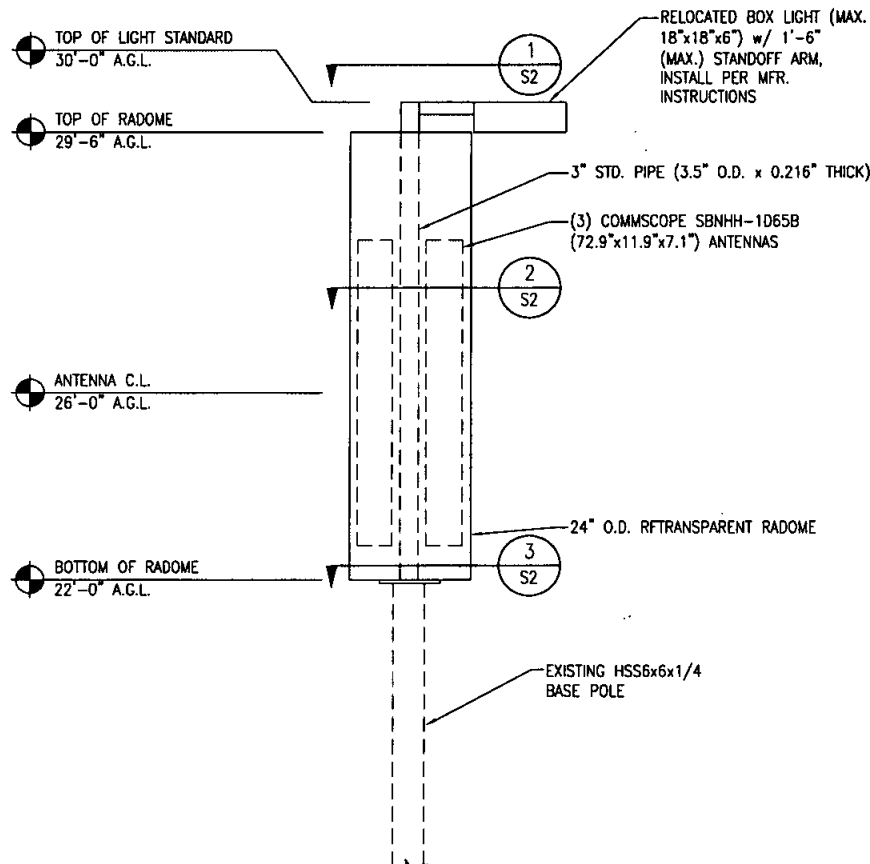
DATE: 09/28/18 DESIGNED: LUC DRAFTER: DKF

REVISIONS	
DATE	DESCRIPTION

U1085-088-181

T1

REV
0



ELEVATIONS

GENERAL DESIGN NOTES

- DESIGN NOTES AND MATERIAL REQUIREMENTS:
1. THE DESIGN CRITERIA FOR THIS STRUCTURE IS AS FOLLOWS:
A. STANDARDS AND DESIGN CODES:
INDUSTRY STANDARD: TIA-222-G & CALIFORNIA BUILDING CODE, 2018 EDITION (2015 IBC)
STEEL MANUAL: AISC 360-10, 10th EDITION
WELDING CODE: AWS D1.1, LATEST EDITION
B. DESIGN:
WIND:
110 MPH BASIC WIND SPEED 3-SEC GUST
RISK CATEGORY / STRUCTURE CLASS: II
EXPOSURE: C
TOPOGRAPHIC CATEGORY: 2
CREST HEIGHT: 235 FT
ICE: NONE PER THE TIA STANDARD
SEISMIC:
IMPORTANCE FACTOR: 1.00
RISK CATEGORY / STRUCTURE CLASS: II
MAPPED SPECTRAL RESPONSE ACCELERATIONS:
SITE CLASS: D
S₁ = 0.932g, S₂ = 0.362g
SPECTRAL RESPONSE COEFFICIENTS:
S_m = 0.700g, S_{0.1} = 0.404g
SEISMIC DESIGN CATEGORY: D
BASIC SEISMIC-FORCE-RESISTING-SYSTEM
TELECOMMUNICATION TOWER: STEEL POLE
SEISMIC BASE SHEAR: V = 0.8 K
SEISMIC RESPONSE COEFFICIENT, C_s = 0.467
RESPONSE MODIFICATION FACTOR, R = 1.5
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

2. GENERAL STRUCTURAL NOTES:
A. ALL MATERIALS SHALL CONFORM TO THE FOLLOWING STANDARDS:
SHAPES/PLATES: ASTM A36
BOLTS: ASTM F1554 GR. A325
B. ALL WELDING TO BE PERFORMED BY WELDERS CERTIFIED IN ACCORDANCE WITH AWS D1.1. FIELD WELDING IS PROHIBITED.
C. ALL STRUCTURAL STEEL SHALL BE A PRE-QUALIFIED STEEL LISTED IN TIA-222-G AND BE GALVANIZED IN ACCORDANCE WITH ASTM A123.

DESIGN REACTIONS:

OVERTURNING MOMENT = 4.0 FT-KIPS (1.0 WIND)
SHEAR = 0.8 KIPS (1.0 WIND)
AXIAL = 1.15 KIPS (1.2 DEAD)

GENERAL NOTES

- CONTRACTOR SHALL FIELD VERIFY SITE OR LAYOUT RESTRICTIONS, SITE CONDITIONS, DIMENSIONS, AND ELEVATIONS BEFORE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF SCL INC. PRIOR TO BEGINNING PROJECT. ALL WORK SHALL BE PERFORMED USING ACCEPTED CONSTRUCTION PRACTICES. CONTRACTOR TO VERIFY MATERIALS PROVIDED BY SCL PRIOR TO INSTALLATION.
- ALL ENGINEERING PLANS, DRAWINGS, DESIGNS, CALCULATIONS AND SPECIFICATIONS (COLLECTIVELY, "PLANS") ARE DESIGNED TO THE PROPRIETARY MANUFACTURING SPECIFICATIONS OF SOLAR COMMUNICATIONS INTERNATIONAL, INC. (SCI) INTENDED AND AUTHORIZED SOLELY FOR USE WITH PRODUCT PRODUCED BY SCI. UNAUTHORIZED USE IS STRICTLY PROHIBITED. CUSTOMER AGREES TO DEFEND, INDEMNIFY AND HOLD SCI HARMLESS FROM AND AGAINST ANY AND ALL DEMANDS, CLAIMS, SUITS, PROCEEDINGS, LOSSES, LIABILITIES, DAMAGES, FEES, COSTS AND EXPENSES (INCLUDING, WITHOUT LIMITATION, REASONABLE ATTORNEY'S FEES AND COSTS) ARISING FROM OR RELATING TO ANY UNAUTHORIZED USE OF SCI'S PLANS BY CUSTOMER.
- NO FIELD MODIFICATIONS MAY BE MADE TO STRUCTURE WITHOUT THE EXPRESS WRITTEN CONSENT FROM THE ENGINEER OF RECORD, SCL INC. AND ENGINEER OF RECORD ASSUME NO RESPONSIBILITY FOR THE STRUCTURE IF ALTERATIONS AND/OR ADDITIONS ARE MADE TO THE DESIGN AS SHOWN IN THESE DRAWINGS.
- THE CONTRACTORS AND ALL SUBCONTRACTORS SHALL COMPLY WITH ALL LOCAL CODES, REGULATIONS, AND ORDINANCES AS WELL AS STATE DEPARTMENT OF INDUSTRIAL REGULATIONS AND DIVISION OF INDUSTRIAL SAFETY (DISA) RECOMMENDATIONS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT ALL WORK TO THE BEST OF HIS/HER ABILITY AND SKILL. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, AND SEQUENCES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL VERIFY, COORDINATE, AND PROVIDE ALL NECESSARY BLOCKING, BRACING, FRAMING, HANGERS OR OTHER SUPPORTS FOR ALL ITEMS REQUIRING SAME, WHETHER SHOWN OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, FORM WORK, ETC., AND SHALL CONFORM TO ALL NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES IN ORDER TO SAFELY EXECUTE ALL STAGES OF WORK TO COMPLETE THIS PROJECT.
- IT IS THE INTENT OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION OF THE STRUCTURE SHOWN.
- CONTRACTOR ASSUMES RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES. THIS REQUIREMENT APPLIES CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN. THE CONTRACTOR IS FINANCIALLY RESPONSIBLE FOR REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF WORK ON THIS PROJECT.



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VERIZON

15505 SAND CANYON AVENUE
BUILDING 101ST FLOOR
IRVINE, CA 92618

ELEVATION VIEW & NOTES

CAMINO RUIZ

7'-6" X 24" O.D. TOP SECTION

11488 CAMINO RUIZ
SAN DIEGO, CA 92126



09/28/18

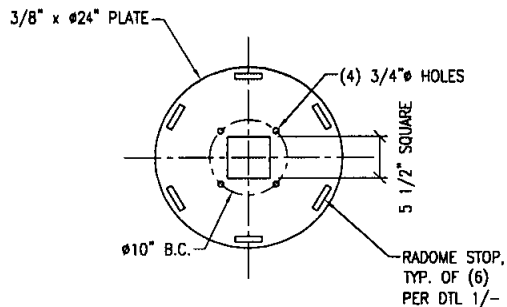
DATE: 09/28/18 DESIGNED: LUC DRAFTER: DKG

REVISIONS	
DATE	DESCRIPTION

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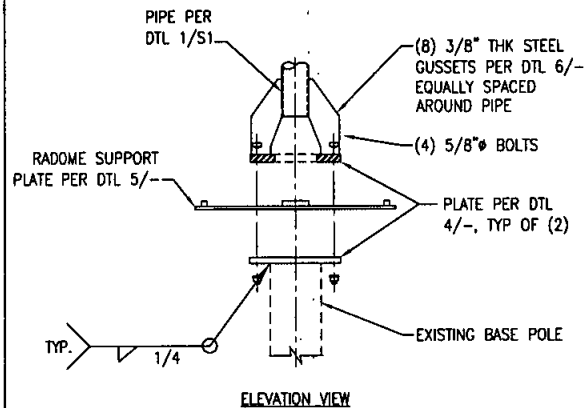
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RADOME SUPPORT PLATE

N.T.S.

5

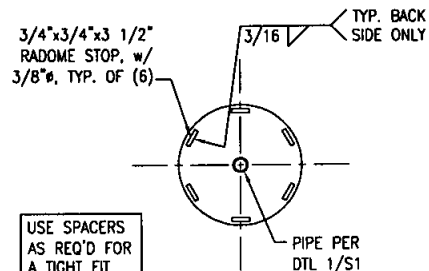


ELEVATION VIEW

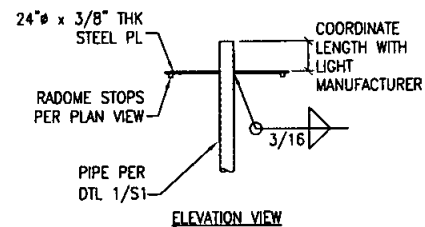
CONNECTION TO BASEPOLE

N.T.S.

3



PLAN VIEW
(BOTTOM)

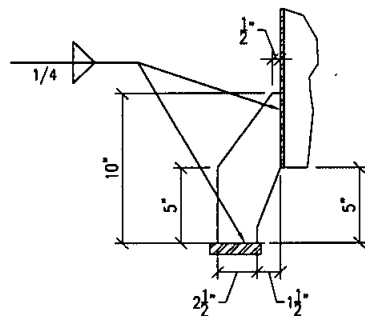


ELEVATION VIEW

TOP PLATE

N.T.S.

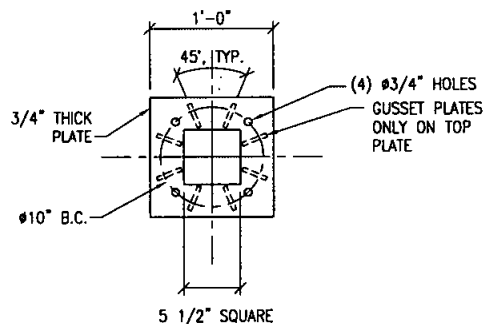
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GUSSET PLATE, TYP. OF (8)

N.T.S.

6

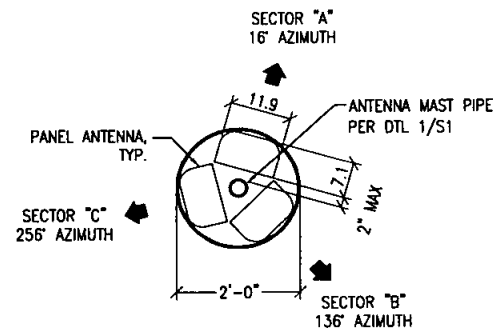


PLATE

N.T.S.

4

NOTE: TIGHT FIT IS EXPECTED



ANTENNA AZIMUTHS

N.T.S.

2



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VERIZON

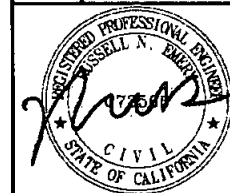
15505 SAND CANYON AVENUE
BUILDING 'D' 1ST FLOOR
IRVINE, CA 92618

DETAILS

CAMINO RUIZ

7'-6\"/>

11498 CAMINO RUIZ
SAN DIEGO, CA 92126



09/28/18

DATE: 9/28/18 DESIGNED: LJC DRAFTER: DKF

REVISIONS

DATE DESCRIPTION