

2016 CALIFORNIA BUILDING CODE	2016 CALIFORNIA MECHANICAL CODE
2016 CALIFORNIA TITLE 24	2016 CALIFORNIA ELECTRIC CODE
2016 CALIFORNIA FIRE CODE	LOCAL CODES AND AMENDMENTS
2016 CALIFORNIA RESIDENTIAL CODE	
2016 CALIFORNIA ENERGY CODE	
2016 CALIFORNIA PLUMBING CODE	

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.



PROPERTY OWNER: ADDRESS: CONTACT: PHONE: APPL. CONT. ADDRESS:	CITY OF SAN DIEGO 1200 11000 MCLELLAN, SUITE 1700 SAN DIEGO, CA 92131 SINIA CHAVALLA (619) 236-8553 VERIZON WIRELESS 12020 SAN CAYMAN AVE. PUEBLO, CA 92118 FISHING TELECOM INC. FISHING, MEXICO DRIVE CARLSBAD, CA 92011 CONTACT: MARGARET CHOI PHONE: (619) 508-6362 DIALAL 330-870-4111 CITY OF SAN DIEGO 218000 - C-3-3-R-3000 8150-0-1-1 B/U V-R	APP This is a Bank not replace an approval no Project Number Approval Date Signed (1st Sh
APPL. JURISDICTION: PERMISSION: OCCUPANCY TYPE: CONSTRUCTION: YEAR BUILT:	BUILDING - 1999	

ADA REQUIREMENTS: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, ACCESSIBILITY ACCESS AND REQUIREMENTS ARE NOT REQUIRED PER THE CALIFORNIA STATE ADMINISTRATIVE CODE, PART 2, TITLE 24, SECTIONS 110361, EXCEPTION 1 & SECTION 113407.1, EXCEPTION 4.

SECTORS "A" & "D" LEASE AREA:	(+130 SQ. FT.)
SECTORS "B" & "C"/	
<u>INJUNCTION LEASE AREA:</u>	(+330 SQ. FT.)
TOTAL LEASE AREA:	(+460 SQ. FT.)

LEGAL DESCRIPTION:

THAT PORTION OF PARCELL 1 OF PARCEL MAP NO. 19487, IN THE CITY OF SAN DIEGO, COUNTY OF SAN
DIEGO, CALIFORNIA, FILED IN THE OFFICE OF THE COUNTY RECORDERS OF SAN DIEGO COUNTY, APRIL
12, 2000 AS SAID TO 2000-10917 OF OFFICIAL RECORDS,
AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:
THE NORTH LINE OF PARCELL 1 OF PARCEL MAP NO. 19487, THENCE SOUTH 86°58'N EAST ALONG THE
NORTH LINE OF SAID PARCEL, A DISTANCE OF 130.46 FEET; THENCE BEARING S 41°W, SOUTH 0°00'N
WEST, A DISTANCE OF 104.11 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 86°58'N EAST, A DISTANCE
OF 10.00 FEET TO THE POINT OF BEGINNING; OR 30.00 FEET SOUTH 86°58'N EAST, A
DISTANCE OF 9.00 FEET; THENCE NORTH 0°00'N EAST, A DISTANCE OF 30.00 FEET TO THE POINT OF
BEGINNING.

IT IS HEREBY CERTIFIED THAT THIS INSTRUMENT, WHEN NECESSARY, AND

PROJECT MANAGER: VERZON WALLLESS 15305 SANO CANYON AVE. IRVINE, CA 92618 CONTACT: JEANNE LI PHONE: (949) 286-6137 EMAIL: Jeanne.Li@verizon.com	ENGINEERING: NATIONAL ENGINEERING & CONSULTING, INC. 27 ORCHARD LAKE FOREST, CA 92630 PHONE: (949) 718-9990 FAX: (949) 718-9997	
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ZION INC. PLACON INC. 302 STATE PLACE ESCONDIDO, CA 92029 CONTACT: KIRKBRUGH DEHL PHONE: (760) 587-3003 FAX:	SITE ACQUISITION. PLACON INC. 302 STATE PLACE ESCONDIDO, CA 92029 CONTACT: JOEY BATTERMAN PHONE: (858) 348-8050 FAX: joey.batterman@placon.com	HARVEST BY TRIMBLE INC. 2 1/2
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NE ENGINEER:
VERNON WHEELS
19505 SAND CANYON AVE.
BIVRE, CA 92018
CONTACT: MIKE JELLER
PHONE: (818)-787-1940
FAX:
EJELLER@earthlink.net
EJELLER@earthlink.net

SURVLYON
NATIONAL ENGINEERING &
CONSULTING, INC.
77 ORCHARD
LAKE FOREST, CA 92630
PHONE: (949) 718-0900
FAX: (949) 718-9997

CONSTRUCTION
VERIZON WIRELESS
15505 SAND CANYON AVE
RYAN, CA 92618
CONTACT: STEVE JOHNSON
PHONE: (951) 541-8805
FAX:
Email: stevejohnson@verizon.com

APPROVED EXHIBIT

This is a Zoning Use Certificate approval. This does not replace any required construction permits. See approval notes within plan set for more information.

Project Number: 1201117
Approval Date: 6/18/18
Signed (1st Sheet): [Signature]

IMPERIAL 25TH

PROJECT TYPE:
NEW SITE BUILD

PROPERTY ADDRESS:
1201 IMPERIAL AVENUE
SAN DIEGO, CA 92102

BUILDING ADDRESS:
2501 IMPERIAL AVENUE
SAN DIEGO, CA 92102

[illegible]

STARTING FROM VERLIZON WIRELESS PHONE OFFICE:

1. HEAD SOUTHWEST ON SAND CANYON AVE. TOWARD BARRANCA PKWY.
2. MERGE ONTO I-405 S VIA THE RAMP TO SAN DIEGO.
3. MERGE ONTO I-5 S.
4. TAKE THE EXIT TOWARD IMPERIAL AVE.
5. MERGE ONTO 17TH STREET.
6. TURN LEFT ONTO IMPERIAL AVE.
7. ARRIVE AT 1201 IMPERIAL AVENUE, SAN DIEGO, CA 92102

(SAN DIEGO AND ORANGE COUNTIES)
PAGE:1288 GRID: D-4

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

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT & MAY IMPOSE CHANGES OR MODIFICATIONS.

VERIZON WIRELESS RF ENGINEER: _____

VERIZON WIRELESS OPERATIONS: _____

SITE ACQUISITION MANAGER: _____

PROJECT MANAGER: _____

ZONING VENDOR: _____

LEASING VENDOR: _____

CONSTRUCTION MANAGER: _____

A/E MANAGER: _____

PROPERTY OWNER: _____

VERIZON WIRELESS PROPOSES THE CONSTRUCTION OF A NEW TELECOMMUNICATIONS FACILITY, THE SCOPE WILL CONSIST OF THE FOLLOWING:

- INSTANT PROPOSED CRIP SCREENING AT EXISTING 47'-3" HIGH BELL TOWER

- INSTALL (1) 12' HIGH FIBER SCREWMORE FOR EQUIPMENT AND ANTENNAS ENCLOSURE.
 - INSTALL (4) NEW VERTIZON WIRELESS ANTENNAS
 - INSTALL (1) NEW VERTIZON WIRELESS MICROWAVE DISH
 - INSTALL (1) NEW VERTIZON WIRELESS WAP SUPPLIES ANTENNA AT ANTENNA LEVEL
 - INSTALL (3) NEW VERTIZON WIRELESS WAP SUPPLIES ANTENNAS AT EQUIPMENT LEVEL
 - INSTALL (2) NEW VERTIZON WIRELESS IEEE TRANSFORMER CABINETS
 - INSTALL (2) NEW VERTIZON WIRELESS IEEE TRANSFORMER CABINETS
 - INSTALL (1) NEW VERTIZON WIRELESS AUTOMATIC TRANSFER SWITCH
 - INSTALL (1) NEW VERTIZON WIRELESS IEEE TRANSFORMER CABINET
 - INSTALL (1) NEW VERTIZON WIRELESS ELECTRICAL PANEL
 - INSTALL (2) NEW VERTIZON WIRELESS GPS ANTENNAS
 - INSTALL (3) NEW VERTIZON WIRELESS WAP SUPPLIES
 - INSTALL (1) NEW VERTIZON WIRELESS DISH ACCESS LADDER
 - INSTALL (1) NEW VERTIZON WIRELESS DISH ACCESS LADDER
 - INSTALL (1) NEW VERTIZON WIRELESS WAP SUPPLIES EQUIPMENT PANEL
 - NO SOLID DISTURBANCE AND ALL WORK IS PERFORMED IN THE "HOT"
 - CONNECTIONS ARE REQUIRED FOR POWER AND TELE SERVICES
- NO SOLID DISTURBANCE AND ALL WORK IS PERFORMED IN THE "HOT".
- 20% COST PERFORMANCE IS PROPOSED IN THE "HOT" PERIOD

SHEET NO:	SHEET TITLE
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- 1-1 WIRE SPEC
- 1-2 GENERAL NOTES AND SPECIFICATIONS
- 1-3 GENERAL NOTES AND SPECIFICATIONS
- 1-4 GENERAL NOTES AND SPECIFICATIONS
- 1-5 BY SIGNAGE
- 1-6 LIAISON & STORMWATER CHECKLIST
- 1-7 BY SIGNAGE
- 1S-1 TOPOGRAPHIC SURVEY
- LS-2 TOPOGRAPHIC SURVEY
- A-1 OVERALL SITE PLAN
- A-2 ENHANCED SITE PLAN, NEW EQUIPMENT PLAN & ANTENNA PLANS
- A-2.1 STUDY TOWER PLACEMENT LAYOUT PLANS
- A-3 ARCHITECTURAL ELEVATIONS
- A-4 ARCHITECTURAL ELEVATIONS
- A-5 ARCHITECTURAL DETAILS
- A-6 ARCHITECTURAL DETAILS
- A-7 ARCHITECTURAL DETAILS
- AMB-1 ARCHITECTURAL DETAILS
- AMB-2 INTERIOR SPECIFICATIONS
- AMB-3 STRUCTURE - PLANS
- AMB-4 TOWER-FRAMEWORK, SECTION AND DETAILS
- E-1 EQUIPMENT LAYOUT PLANS
- SOFT-1 STRUCTURAL DETAILS
- SOFT-2 STRUCTURAL DETAILS
- SOFT-3 ELECTRICAL, MECHANICAL SERVICES, AMBULANCE-REPAIR & SERVICE-AREA DESIGN
- SOFT-4 STRUCTURAL DETAILS, EQUIPMENT LAYOUT AND ANTENNA TOWERING PERMS
- LS-1 ELECTRICAL DESIGN
- LS-2 ELECTRICAL DETAILS
- LS-3 ELECTRICAL LAYOUT DESIGN, DETAILS AND MP
- LS-4 MECHANICAL DESIGN, DETAILS
- LS-5 MECHANICAL DESIGN SHEET
- LS-6 MECHANICAL DESIGN SHEET

SUBCONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCY BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

1994-1995 CHRYSLER AD

PLANS PREPARED BY:



NATIONAL
ENGINEERING & CONSULTING, INC.
27 OCEAN BLVD., SUITE 100, OCEAN CITY, MD 21842

CONCLUSIONS

NO.	DATE	DESCRIPTION/ CITY COMMENTS	BY
4	07/09/15		
5	07/17/15	REVISION	AG
6	12/03/15	BOX CD'S	JN
7	12/15/15	LOOK CD'S	JN
⚠	04/07/16	PLAN CHECK COMMENTS	JN
⚠	05/25/16	SWAMP UPDATE	KD
⚠	01/26/17	FIBER ADDITION	JN
⚠	05/19/17	PLAN CHECK CORRECTION	N
12	08/28/17	RISUS UPDATE	JN
	06/11/18	CONSTRUCTION CHANGE	SD

PROPERTY ADDRESS:
1301 IMPERIAL AVENUE
SAN DIEGO, CA 92102

BUILDING ADDRESS:
2201 IMPERIAL AVENUE
SAN DIEGO, CA 92101

22

TITLE SHEET

Abstract

T-1

[illegible]

SPECIAL INSPECTION (SEE SHEET 7-3 FOR MATERIAL SCHEDULES)	FREQUENCY	REFERENCE STANDARD
STEEL CONSTRUCTION ASCC 360-10		
1. MATERIAL VERIFICATION OF HIGH-STRENGTH ROD AND ANCHORS	PERIODIC	APPLICABLE ASTM MATERIAL SPECIFICATIONS; ASCC AND SECTION A34- ASCC AND SECTION A33
a IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS		
2. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED		
3. INSPECTION OF HIGH-STRENGTH BOLTING		
ALL HIGH STRENGTH BOLTS FOR STRUCTURAL CONNECTIONS SHALL BE INSTALLED SNUG TO THE SNUG POINT IS DEFINED AS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH ON THE FINAL TURN OF AN ANCHOR BOLT USING AN OBTUSARY SPUD WRENCH TO BRING THE PLATE IN CONTACT		
a BRACING TYPE CONNECTIONS	PERIODIC	ASCC AND SECTION W2-2
b SLIP-CRITICAL CONNECTIONS	CONTINUOUS	
4. MATERIAL VERIFICATION OF STRUCTURAL STEEL		
a IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS		ASTM A 588 ASTM A 589
b MANUFACTURER'S CERTIFIED MILL TEST REPORTS REQUIRED		
5. MATERIAL VERIFICATION OF WELD FILLER MATERIALS		ASCC AND SECTION A58 ASCC AND SECTION A33
a IDENTIFICATION MARKINGS TO CONFORM TO WELD SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS		
b MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED		
6. INSPECTION OF MILLING		
a STRUCTURAL STEEL		
1) COMPLETE AND PARTIAL PENETRATION JOINTS	CONTINUOUS	ASCC 611
2) SINGLE-PASS FILLET WELDS	CONTINUOUS	
3) SINGLE-PASS FILLET WELDS GREATER THAN 5/16" (7.9mm)	CONTINUOUS	
4) SINGLE-PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16" (7.9mm)	PERIODIC	
5) BUTT AND BECK WELD JOINTS	PERIODIC	ASCC 613
b INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS	PERIODIC	
a DETAILS SUCH AS BRACING AND STIFFENING		
b MEMBER LOCATIONS		
c APPLICATION OF JOINT DETAILS AT EACH CONNECTION		
7. INSPECTION OF STEEL JOINT REPAIRS INCLUDES INCLUDING DOUBLE END AND DOUBLE RODS	CONTINUOUS	ASCC 360-10
INSPECTION OF FABRICATIONS	PERIODIC	
1. APPLICABLE ELEMENT (FABRICATION CERTIFICATION REQUIREMENTS)		
a STRUCTURAL STEEL, GASKET REQUIRED FOR CONVENTIONAL STEEL BUILDING		
b STEEL JOINTS, JOINT DROPS (SEE MEMORANDUM)		
c JOINT REPAIR (SEE MEMORANDUM)		
d PRECAST CONCRETE WALLS PANELS (PCI GROUP C MANUFACTURER WITH CCS CERTIFICATION)		
e LOAD BEARING CONCRETE MASONRY (SEE MEMORANDUM)		
2. WHEN SPECIAL INSPECTIONS ARE REQUIRED BY BUILDING OFFICIAL		
a) FABRICATION AND IMPLEMENTATION PROCEDURES: THE SPECIAL INSPECTOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL. THE SPECIAL INSPECTOR SHALL CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION, CONTROL OF CONSTRUCTION, AND VERIFICATION OF THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THE SPECIAL INSPECTOR SHALL ATTEND TO THE SPECIAL INSPECTIONS AND REPORT THE RESULTS OF THE SPECIAL INSPECTIONS RELATIVE TO THE CLIENT REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK.		
3. WHEN SPECIAL INSPECTIONS ARE NOT REQUIRED BY THE BUILDING OFFICIAL		
a) UPON COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL. THE SPECIAL INSPECTOR SHALL ATTEND TO THE SPECIAL INSPECTIONS AND REPORT THE RESULTS OF THE SPECIAL INSPECTIONS RELATIVE TO THE CLIENT REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK.		

STRUCTURAL OBSERVATIONS ARE AN IMPERATIVE FUNCTION OF THE ENGINEER OF RECORD SHALL BE MADE IN ACCORDANCE WITH SECTION 1405 OF THE 2018 CALIFORNIA BUILDING OFFICIALS ACT. THE ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE FOLLOWING:

THE STRUCTURAL OBSERVATIONS IS THE VISUAL OBSERVATION OF THE ELEMENTS AND CONNECTIONS AND THE VISUAL SYSTEM OF JOINTS, CONNECTIONS, SLABS, AND COMPLETE SYSTEMS FOR DETERMINING THE ADEQUACY OF THE STRUCTURE TO SUPPORT SPECIFIED LOADS. STRUCTURAL OBSERVATIONS DOES NOT MAKE THE RESPONSIBILITY FOR THE PROPORTIONS OF THE DESIGN OR THE BUILDING OF THE STRUCTURE TO THE ENGINEER OF RECORD. THE OWNER SHALL EMPLOY THE CHIEF OF STRUCTURES, ENGINEER ON THE PROJECT OF THE PROJECT, TO SUPERVISE THE CONSTRUCTION OF THE STRUCTURE. THE ENGINEER OF RECORD, IN ADVANCE OF COMMENCEMENT OF THE WORK SHALL BE PROVIDED TO THE BUILDING INSPECTOR WITH THE FIRST VISIT.

STRUCTURAL OBSERVATIONS MEETING IS REQUIRED, IT SHALL BE ATTENDED BY THE GENERAL CONTRACTOR, REPRESENTATIVE SUBCONTRACTORS, AND SUPPLY VENDORS. THE MEETING SHALL BE HELD AT THE PROJECT OFFICE. THE MEETING SHALL BE HELD AT THE PROJECT OFFICE. THE MEETING SHALL BE HELD AT THE PROJECT OFFICE. THE MEETING SHALL BE HELD AT THE PROJECT OFFICE.

STRUCTURAL OBSERVATIONS ARE TO OCCUR AT THE FOLLOWING STAGES OF CONSTRUCTION AS REQUIRED FOR EACH BUILDING STRUCTURE AS APPLICABLE: BEFORE THE ENGINEER FINISHES EACH OF EACH OBSERVATION.

REQUIRED CHECKS	ITEMS
	A. PRECONSTRUCTION MEETING SHALL BE ATTENDED BY THE STRUCTURAL OBSERVER OF RECORD
	B. PRIOR TO PLACEMENT OF CONCRETE OF THE FIRST FOUNDATION FLOOR
	C. PRIOR TO PLACEMENT OF CONCRETE IN WALL FORMS
	D. UPON COMPLETION OF WELDING AT STEEL WORKMENT DETAILS
	E. UPON COMPLETED ERECTION OF ALL STRUCTURAL STEEL
	F. PRIOR TO PLACEMENT OF GROUT IN STEEL J-PLATE
	G. PRIOR TO CASTING OF JOINT OR OF BARS/STAY WALLS AT FLOOR AND ROOF LINE. (CHECK REINFORCEMENT)
	H. AFTER WELDING OF ALL PRESTRESS BEAR WALLS AND ALL BEAMS, SPACED STRAPS ARE IN PLACE, AND PRIOR TO CASTING ANY OF THE BEAR WALLS
	I. AFTER WELDING OF FLOOR PLATE/DIAPHRAGMS, PRIOR TO CASTING
	J. AFTER WELDING OF ROOF PLATE/DIAPHRAGMS, PRIOR TO CASTING
	K. PRIOR TO ROOFING OR PLACEMENT OF CONCRETE FILL OVER METAL DECK OF ROOF OF FLOORS
	L. FINAL BALK BEHIND UPON COMPLETION OF ALL STRUCTURAL ASPECTS OF THE PROJECT PRIOR TO ARCHITECTURAL FINISHES
	M. AND STRUCTURAL OBSERVATION REQUIRED

- [illegible]

GEOTECHNICAL INSPECTIONS SHALL BE PERFORMED BY THE GEOTECHNICAL ENGINEER. ALL OTHER INSPECTIONS SHALL BE PERFORMED BY NATIONAL ENGINEERING & CONSULTING, INC. TO SCHEDULE AN INSPECTION PLEASE CALL: (949) 718-9900, OR EMAIL: INSPECTION@NATIONALENGINE.COM

ROOFTOP

1. NEW LOAD LOSS (EQUIPMENT PLATFORM)

TYPICAL
COLUMNS

WALLS, SEE CALC'S
WALLS, SEE CALC'S

2. MINIMUM LOAD LOSS (LOADS)

A. FINISHING / 0.05×20 MP

B. MECHANICAL

TYPICAL AREA: 10 TO 300 sq. ft. , MINIMUM LINE (SLO) = 30 MP

TYPICAL AREA: 10 TO 600 sq. ft.

MINIMUM LINE (SLO) OF CURB COMPONENTS AND LANDING: 12-30 MP

TYPICAL AREA: 60 sq. ft. AND GREATER

MINIMUM LINE (SLO) = 12 MP

3. SNOW LOADS

NOT APPLICABLE - NO SNOW LOAD

4. WIND LOADS

A. BASIC WIND SPEED = 130 MPH

B. WIND IMPORTANCE FACTOR $I = 1.0$

C. WIND EXPOSURE CATEGORY: "F" FOR WIND IMPORTANCE - EXPOSED VENTS

D. WIND PRESSURE COEFFICIENTS FOR COMPONENTS AND LANDING

E. INCLOSURE WIND DESIGN PRESSURES (AGE 7-10 EXEMPT) SLO

TYPICAL COEFFICIENT

G 0.85

HANCES

F. EQUIPMENT / COMMENTS WIND DESIGN PRESSURES

AGE 10 EXEMPT SLO

OUT-LET / INLET

G 0.85

HANCES

G. PLANT WIND DESIGN PRESSURES (AGE 7-10 EXEMPT) SLO

COMBINED WIND PRESSURE COEFF. $0.05 \times 15 / -1.0$

5. CATHODIC DESIGN DATA

A. ANODE CATHODIC PROTECTION - AGE 7-10 EXEMPT SLO

B. TYPICAL IMPORTANCE FACTOR: 1 + 0

C. TYPICAL DESIGN COEFFICIENT

D. IMPACTS STRUCTURAL RESPONSE COEFFICIENTS

W = 3000 g

S = 0.60 g

E. WIND COEFF. SLO

COMBINED SPECTRAL RESPONSE COEFFICIENTS

SLO = 0.85

SLO = 0.14

F. SEISMIC DESIGN CATEGORY = 0

G. EQUIPMENT COEFFICIENT

IMPORTANCE IN COMMUNICATION EQUIPMENT (AGE 7-10 TABLE 13.6-1)

SLO COEFFICIENT

AGE 10

RESPONSE COEFFICIENT

AGE 2.5

DESIGN ACCCELERATION

1g $400 \times 500 \times 1.0$

6. DESIGN LOAD COVERAGE

A. 1.0

B. 1.0

C. 1.0 (OR 0.5/1.0)

D. 1.0 (OR 0.5/1.0) + 0.5/1.0 (OR 0.5/1.0)

E. 0.80 + 0

F. 0.80 + 0.75

G. 0.80 + 0.75

ALLOWABLE STRESS INCREASES ARE NOT PLANNED WHEN USING 100% ALLOY

[illegible]

SPECIAL INSPECTION	FREQUENCY	REFERENCE STANDARD
ANCHORS		
1. INSPECT EPOXY ANCHORS AND EXPANSION ANCHORS INSTALLED IN EXISTING CMU WALLS.	CONTINUOUS	HAC-11 ICC-115 ACI 308



VERIZON COMMUNICATIONS INC.
 1000 MAIN STREET
 BOSTON, MA 02110

PLANS PREPARED BY:



NATIONAL
 ENCLUME INC. & CONSULTING, INC.
 2000 UNIVERSITY AVENUE, SUITE 100
 BOSTON, MA 02116

CLASSIFICATION

NO.	DATE	DESCRIPTION	BY
4	07/08/15	CITY COMMENTS	MM
5	07/17/15	REVISION	AGR
6	12/03/15	90% CD's	JY
7	12/15/15	100% CD's	JY
⚠	04/07/16	PLAN CHECK COMMENTS	JY
⚠	05/25/16	SINOP UPDATE	KH
⚠	01/26/17	FIBER ADDITION	JY
⚠	05/19/17	PLAN CHECK CORRECTION	NT
12	09/26/17	RRIU UPDATE	JY
⚠	06/11/18	CONSTRUCTION CHANGE	SV

SITE INFORMATION:

IMPERIAL
25TH

PROPERTY ADDRESS:
 1301 IMPERIAL AVENUE
 SAN DIEGO, CA 92108

BUILDING ADDRESS:
 2801 IMPERIAL AVENUE
 SAN DIEGO, CA 92108

SCALE:

SHEET TITLE:

GENERAL NOTES & SPECIFICATIONS

SHEET NUMBER:

T-4



NOTE:
FOR ALL SIGNAGE REQUIREMENTS, REFER TO
SITE COMPLIANCE REPORT BY SITE SAFE.

REQUIRED LOCATIONS:
ACCESS 3 (FRP SCREEN DOOR)

NOTICE
GUIDELINES FOR WORKING IN
RADIOFREQUENCY ENVIRONMENTS

- All personnel should have electromagnetic energy (EME) and/or noise training.
- All personnel entering this site must be authorized.
- Obey all posted signs.
- Assume all antennas are active.
- Before working on antennas, notify owners and double-check appropriate boundaries.
- Maintain minimum 3 foot distance from all antennas.
- Do not sleep in front of antennas.
- Use personal RF monitors while working near antennas.
- Never operate transmitters without shields during normal operations.
- Do not operate base station antennas in equipment rooms.

REQUIRED LOCATIONS:
ACCESS 1 (LADDER)
ACCESS 2 (HATCH)
ACCESS 3 (FRP SCREEN DOOR)

INFORMATION

This is a Verizon Wireless
Antenna Site

Site ID: **IMPERIAL 25TH**

For information, call:
800-264-6620

REQUIRED LOCATIONS:
ACCESS 1 (LADDER)
ACCESS 2 (HATCH)
ACCESS 3 (FRP SCREEN DOOR)

verizon

1500 SAND CANYON AVE.
SUNNYVALE, CA 95086

PLANS PREPARED BY:

NATIONAL
ENGINEERING & CONSULTING, INC.
27 CLEVELAND LANE, FORT LEE, NJ 07024
PHONE: 201-261-1000 FAX: 201-261-1001

CLIENTS

NO.	DATE	DESCRIPTION	BY
4	07/09/15	CITY COMMENTS	MM
5	07/17/15	REVISION	AGR
6	12/03/15	90% CD's	JY
7	12/15/15	100% CD's	JY
8	04/07/16	PLAN CHECK COMMENTS	JY
9	05/25/16	SWOMP UPDATE	KH
10	01/26/17	FIBER ADDITION	JY
11	05/19/17	PLAN CHECK CORRECTION	NT
12	09/26/17	RRUS UPDATE	JY
13	06/11/18	CONSTRUCTION CHANGE	SV

SITE INFORMATION:

**IMPERIAL
25TH**

PROPERTY ADDRESS:
1201 IMPERIAL AVENUE
SAN DIEGO, CA 92102

BUILDING ADDRESS:
2501 IMPERIAL AVENUE
SAN DIEGO, CA 92102

SEAL

SHEET TITLE:

RF SIGNAGE

SHEET NUMBER:

T-5

RF SIGNAGE

1 SITE INFORMATION AND NOTICE SIGNAGE

2

1 Site Compliance

1.1 Site Compliance Requirements

The following table lists the minimum requirements for signage at the site. The minimum requirements are listed in the table. The minimum requirements are listed in the table.

1.2 Antenna Site Compliance

The antenna site compliance requirements are listed in the table. The minimum requirements are listed in the table.

2 Safety Plan and Procedures

The following table lists the minimum requirements for safety plan and procedures at the site. The minimum requirements are listed in the table.

3 Antenna

3.1 Antenna Diagram

The antenna diagram is a diagram showing the location of the antennas on the site. The diagram is a diagram showing the location of the antennas on the site.

3.2 Antenna Diagram

The antenna diagram is a diagram showing the location of the antennas on the site. The diagram is a diagram showing the location of the antennas on the site.

3.3 Antenna Diagram

The antenna diagram is a diagram showing the location of the antennas on the site. The diagram is a diagram showing the location of the antennas on the site.

RF SITE COMPLIANCE

3



IMPERIAL 25TH

2501 Imperial Avenue
San Diego, CA 92102

LOOKING SOUTHWEST TOWARD SITE FROM IMPERIAL AVENUE



SITE PRIOR TO INSTALLATION



VICINITY MAP



SITE AFTER INSTALLATION

VERIZON TELECOM, INC.
20100 KINGS HIGHWAY
SAN DIEGO, CA 92128



IMPERIAL 25TH

2501 Imperial Avenue
San Diego, CA 92102

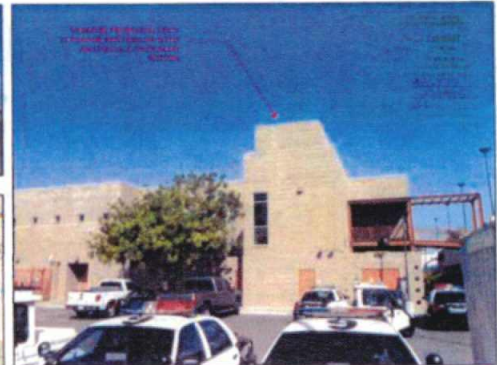
LOOKING NORTH TOWARD SITE FROM PARKING LOT



SITE PRIOR TO INSTALLATION



VICINITY MAP



SITE AFTER INSTALLATION

VERIZON TELECOM, INC.
20100 KINGS HIGHWAY
SAN DIEGO, CA 92128



IMPERIAL 25TH

2501 Imperial Avenue
San Diego, CA 92102

LOOKING NORTHEAST TOWARD SITE FROM 25TH STREET



SITE PRIOR TO INSTALLATION



VICINITY MAP



SITE AFTER INSTALLATION

VERIZON TELECOM, INC.
20100 KINGS HIGHWAY
SAN DIEGO, CA 92128



1800 SAND CANYON AVE.
BONNE, CA 92009

PLANS PREPARED BY:

NATIONAL
ENGINEERING & CONSULTING, INC.
20100 KINGS HIGHWAY, SUITE 200
SAN DIEGO, CA 92128
PHONE: (619) 594-0000 FAX: (619) 594-0001

CLIENTS:

NO.	DATE	DESCRIPTION	BY
4	07/09/15	CITY COMMENTS	MM
5	07/17/15	REVISION	AGR
6	12/03/15	90% CD's	JY
7	12/15/15	100% CD's	JY
8	04/07/16	PLAN CHECK COMMENTS	JY
9	05/25/16	SWOMP UPDATE	KH
10	01/26/17	FIBER ADDITION	JY
11	05/19/17	PLAN CHECK CORRECTION	NT
12	09/26/17	RRUS UPDATE	JY
13	06/11/18	CONSTRUCTION CHANGE	SV

SITE INFORMATION:

IMPERIAL 25TH

PROPERTY ADDRESS:
1201 IMPERIAL AVENUE
SAN DIEGO, CA 92102

BUILDING ADDRESS:
2501 IMPERIAL AVENUE
SAN DIEGO, CA 92102

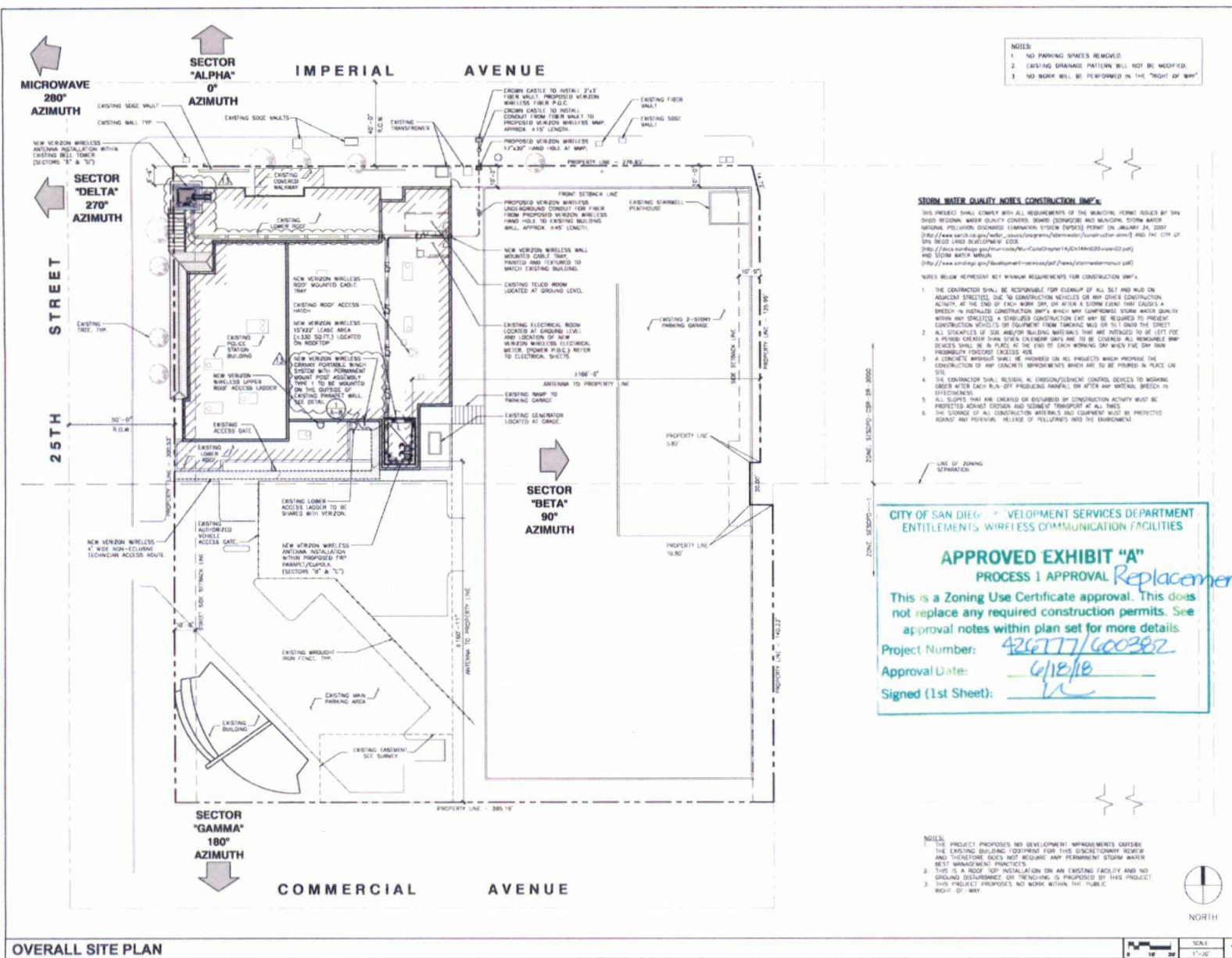
SEAL:

SHEET TITLE:

APPROVED
PHOTOSIMULATIONS

SHEET NUMBER:

T-7



1600 SAND CANYON AVENUE
IRVINE, CA 92614

PLANS PREPARED BY:

NATIONAL
ENGINEERING & CONSULTING, INC.
247 CLEVELAND AVENUE, SUITE 200
IRVINE, CALIFORNIA 92614

CLIENTS

NO.	DATE	DESCRIPTION	BY
4	07/09/15	CITY COMMENTS	MM
5	07/17/15	REVISION	AGR
6	12/03/15	90% CD'S	JY
7	12/15/15	100% CD'S	JY
8	04/07/16	PLAN CHECK COMMENTS	JY
9	05/25/16	SWAMP UPDATE	KH
10	01/26/17	FIBER ADDITION	JY
11	05/19/17	PLAN CHECK CORRECTION	NT
12	09/26/17	RRUS UPDATE	JY
13	06/11/18	CONSTRUCTION CHANGE	SV

SITE INFORMATION:

IMPERIAL 25TH

PROPERTY ADDRESS:
1301 IMPERIAL AVENUE
SAN DIEGO, CA 92102

BUILDING ADDRESS:
2501 IMPERIAL AVENUE
SAN DIEGO, CA 92102

SHEET TITLE:

OVERALL SITE PLAN

SHEET NUMBER:

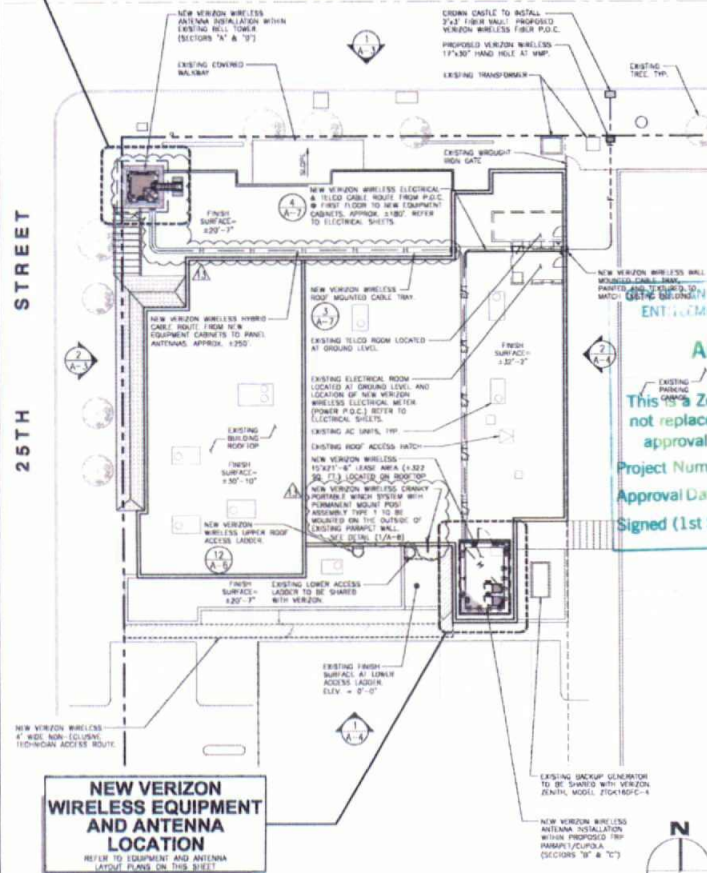
A-1

**NEW VERIZON
WIRELESS ANTENNA
LOCATION**

REFER TO ANTENNA SECTORS "A" & "D"
LAYOUT PLANS ON SHEET A-2.1

REFER TO ANTENNA SECTORS "A" & "D"
LAYOUT PLANS ON SHEET A-2.1

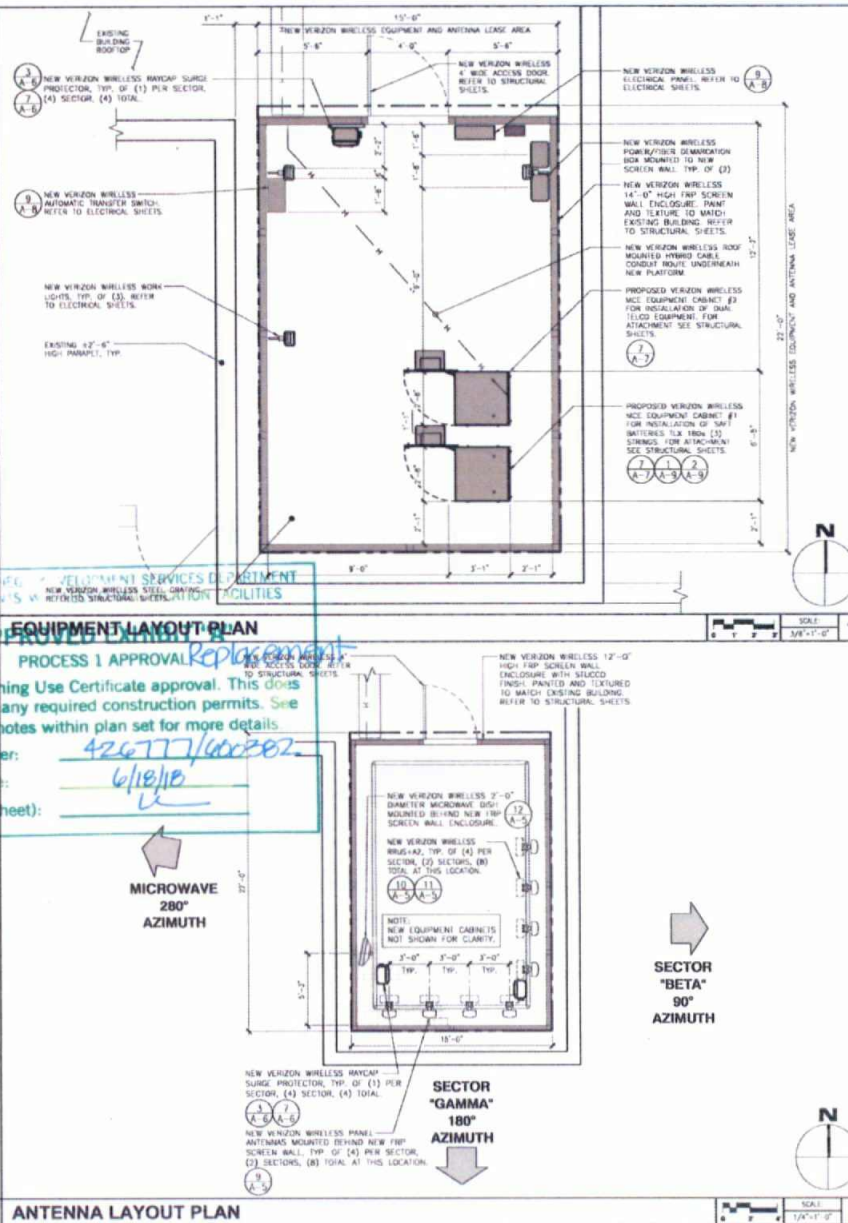
IMPERIAL AVENUE



**NEW VERIZON
WIRELESS EQUIPMENT
AND ANTENNA
LOCATION**

REFER TO EQUIPMENT AND ANTENNA
LAYOUT PLANS ON THIS SHEET

ENLARGED SITE PLAN



ANTENNA LAYOUT PLAN



13505 SAND CANYON AVE.
IRVINE, CA 92618

PLANS PREPARED BY:



CLIENTS

NO.	DATE	DESCRIPTION	BY
4	07/09/15	CITY COMMENTS	MM
5	07/17/15	REVISION	AGR
6	12/03/15	90% CD's	JY
7	12/15/15	100% CD's	JY
	04/07/16	PLAN CHECK COMMENTS	JY
	05/25/16	SWOMP UPDATE	KH
	01/26/17	FIBER ADDITION	JY
	05/19/17	PLAN CHECK CORRECTION	NT
12	06/26/17	RRUS UPDATE	JY
	06/11/18	CONSTRUCTION CHANGE	SV

SITE INFORMATION:-

**IMPERIAL
25TH**

PROPERTY ADDRESS:
1201 IMPERIAL AVENUE
SAN DIEGO, CA 92102

BUILDING ADDRESS:
2501 IMPERIAL AVENUE
SAN DIEGO, CA 92102

SEAL:

SHEET TITLE:
**ENLARGED SITE PLAN,
NEW EQUIPMENT AND
ANTENNA LAYOUT
PLANS**

SHEET NUMBER:

A-2



	SCALE	1
	3/8" = 1" = 0"	



	SCALE	5
	$1/8" = 1' - 0"$	

A-2.1

verizon

VERIZON COMMUNICATIONS INC.
OVERLAND PARK, KS 66204

PLANS PREPARED BY:

NATIONAL
ENGINEERING & CONSULTING, INC.
1111 LINDSEY LANE, SUITE 100, SAN ANTONIO, TEXAS 78204

CLIENT:

NO.	DATE	DESCRIPTION	BY
4	07/06/15	CITY COMMENTS	MM
5	07/17/15	REVISION	MM
6	12/03/15	90% CD's	JY
7	12/15/15	100% CD's	JY
8	04/07/16	PLAN CHECK COMMENTS	JY
9	05/25/16	SNOWP UPDATE	MM
10	01/26/17	FIBER ADDITION	JY
11	05/18/17	PLAN CHECK CORRECTION	NT
12	08/28/17	RRUS UPDATE	JY
13	08/11/18	CONSTRUCTION CHANGE	SV

SITE INFORMATION:

**IMPERIAL
25TH**

PROPERTY ADDRESS:
1301 IMPERIAL AVENUE
SAN DIEGO, CA 92103

BUILDING ADDRESS:
3301 IMPERIAL AVENUE
SAN DIEGO, CA 92103

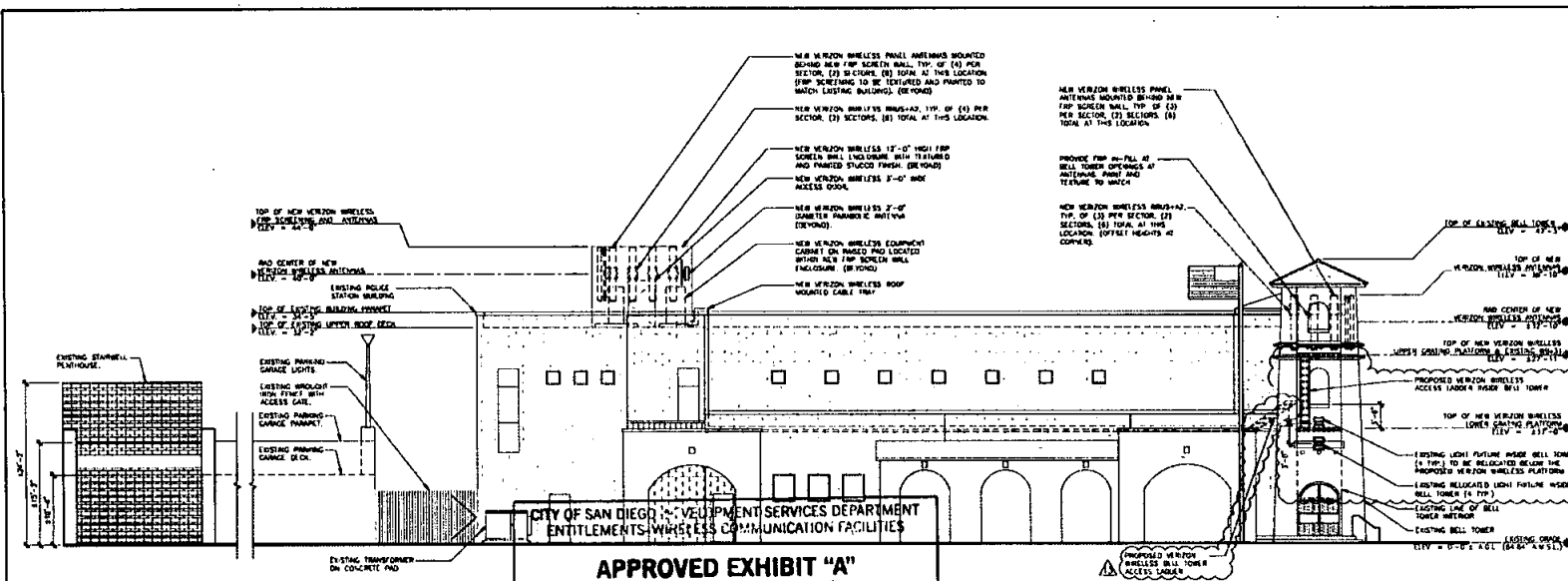
SHEET:

SHEET TITLE:

**ARCHITECTURAL
ELEVATIONS**

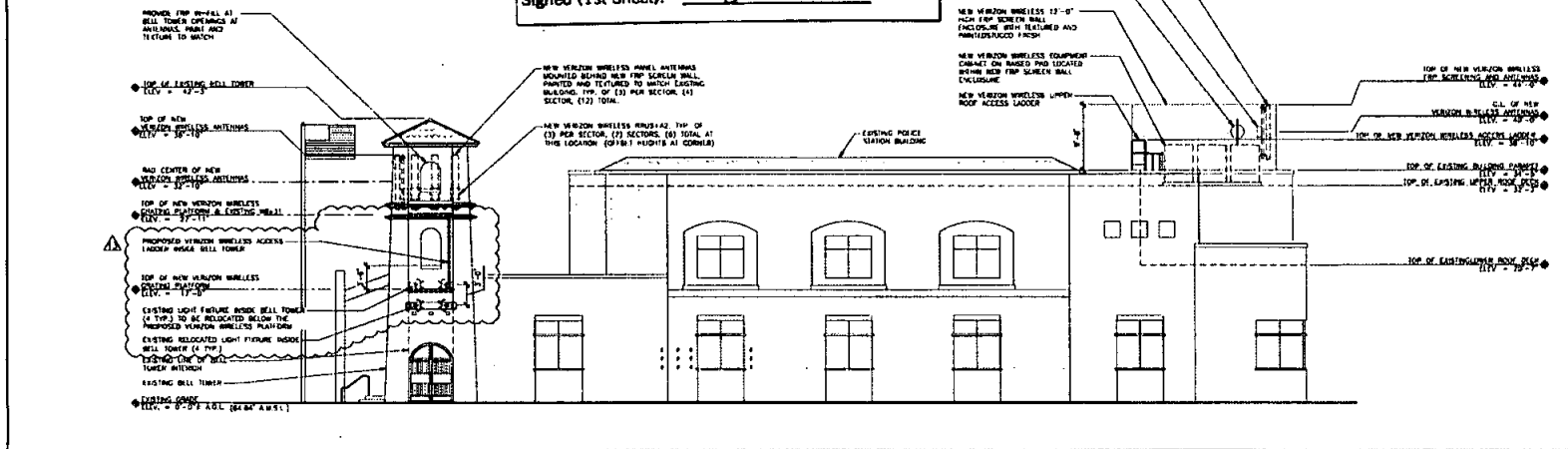
SHEET NUMBER:

A-3



PROPOSED NORTH ELEVATION

APPROVED EXHIBIT "A"
PROCESS 1 APPROVAL Replacement
This is a Zoning Use Certificate approval. This does not replace any required construction permits. See approval notes within plan set for more details.
Project Number: 426 TTI/100382
Approval Date: 6/18/18
Signed (1st Sheet): [Signature]



PROPOSED WEST ELEVATION

verizon

VERIZON COMMUNICATIONS INC.
BUREAU, 3000

PLANS PREPARED BY:

NATIONAL
ENGINEERING & CONSULTING, INC.
10000 LANE PLAZA, SUITE 100
FARMERS, TEXAS 75040-1100

CLIENTS:

NO.	DATE	DESCRIPTION	BY
4	07/09/15	CITY COMMENTS	MM
5	07/17/15	REVISION	AGR
6	12/03/15	90% CD'S	JY
7	12/15/15	100% CD'S	JY
8	04/07/16	PLAN CHECK COMMENTS	JY
9	05/25/16	SWAMP UPDATE	KH
10	01/28/17	FIBER ADDITION	JY
11	06/19/17	PLAN CHECK CORRECTION	NT
12	09/26/17	PIRUS UPDATE	JY
13	04/11/18	CONSTRUCTION CHANGE	SV

NOTE INFORMATION:

IMPERIAL 25TH

PROPERTY ADDRESS:
1801 IMPERIAL AVENUE
SAN DIEGO, CA 92103

BUILDING ADDRESS:
2001 IMPERIAL AVENUE
SAN DIEGO, CA 92103

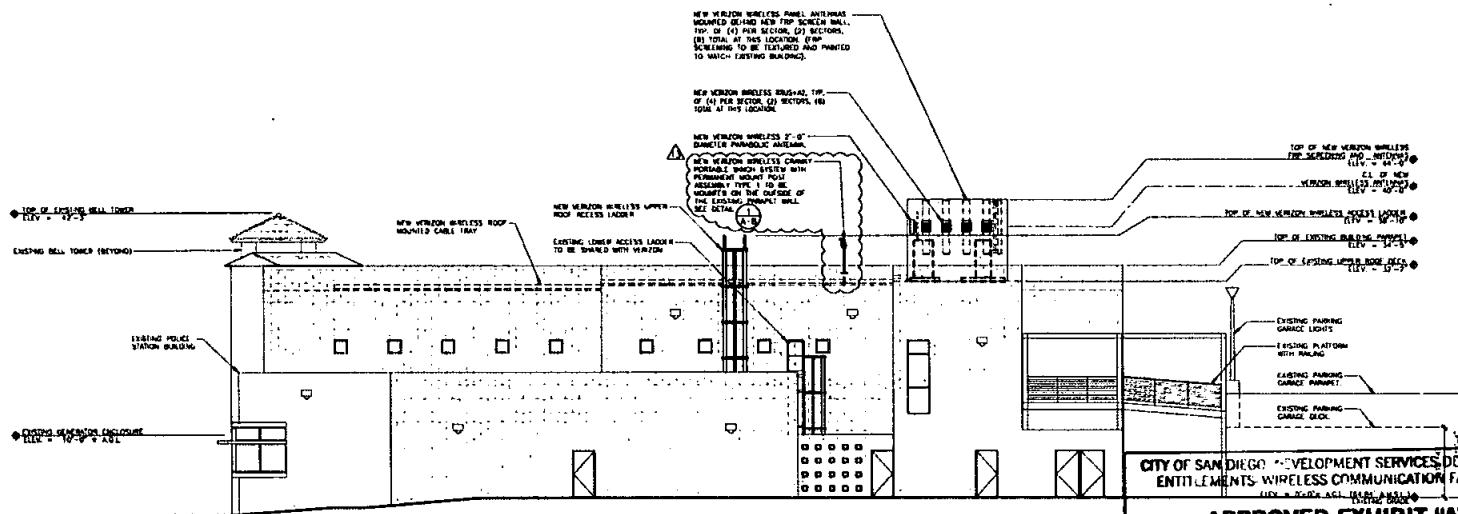
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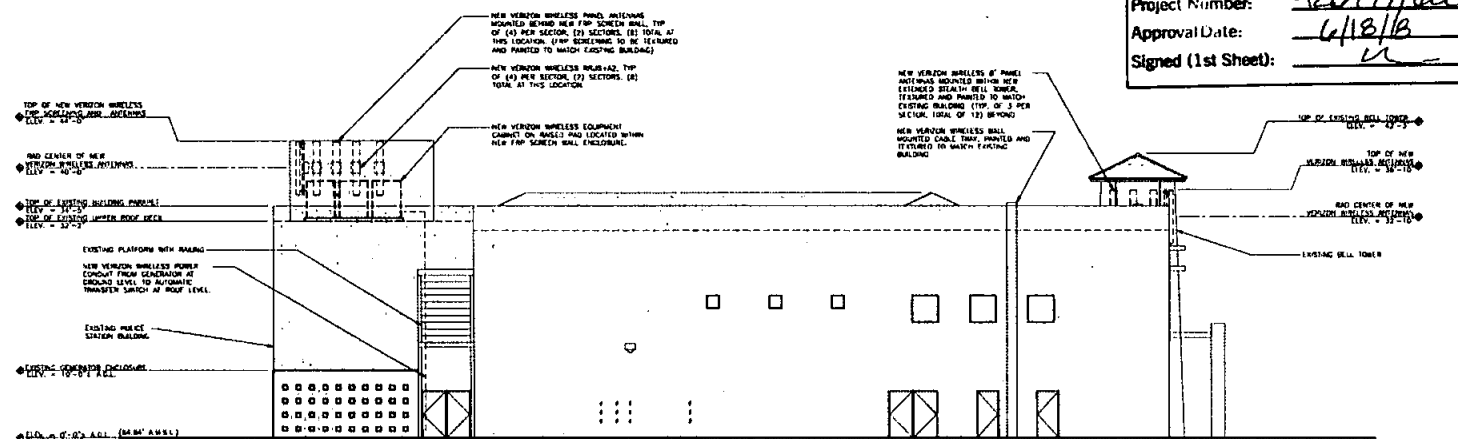
ARCHITECTURAL ELEVATIONS

SHEET NUMBER:

A-4



PROPOSED SOUTH ELEVATION



PROPOSED EAST ELEVATION

CITY OF SAN DIEGO DEVELOPMENT SERVICES DEPARTMENT
ENTITLEMENTS WIRELESS COMMUNICATION FACILITIES
LIVE & WORK BUILDING

APPROVED EXHIBIT "A"

Replacement PROCESS 1 APPROVAL SCALE: 1/8"=1'-0" 1

This is a Zoning Use Certificate approval. This does not replace any required construction permits. See approval notes within plan set for more details.

Project Number: 426777/600382

Approval Date: 6/18/18

Signed (1st Sheet):

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

verizon

1800 SAND CANYON AVE.
BRYNE, CA 92015

PLANS PREPARED BY:

NATIONAL
ENGINEERING & CONSULTING, INC.
407 CAMPBELL STREET, SUITE 200, SAN JOSE, CA 95128
PHONE: (408) 735-0000 FAX: (408) 735-0001

CLIENTS

NO.	DATE	DESCRIPTION	BY
4	07/09/15	CITY COMMENTS	MM
5	07/17/15	REVISION	AGR
6	12/03/15	90% CD's	JY
7	12/15/15	100% CD's	JY
8	04/07/16	PLAN CHECK COMMENTS	JY
9	05/25/16	SWOMP UPDATE	KH
10	01/26/17	FIBER ADDITION	JY
11	05/19/17	PLAN CHECK CORRECTION	NT
12	09/26/17	RRUS UPDATE	JY
13	06/11/18	CONSTRUCTION CHANGE	SV

SITE INFORMATION:

**IMPERIAL
25TH**

PROPERTY ADDRESS:
1201 IMPERIAL AVENUE
SAN DIEGO, CA 92102

BUILDING ADDRESS:
2501 IMPERIAL AVENUE
SAN DIEGO, CA 92102

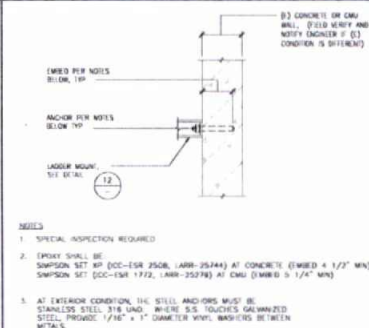
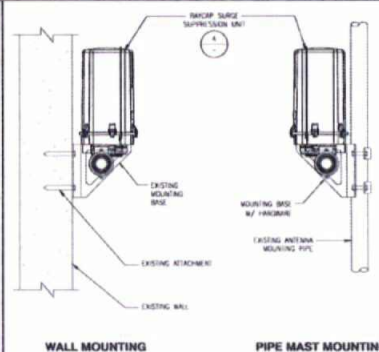
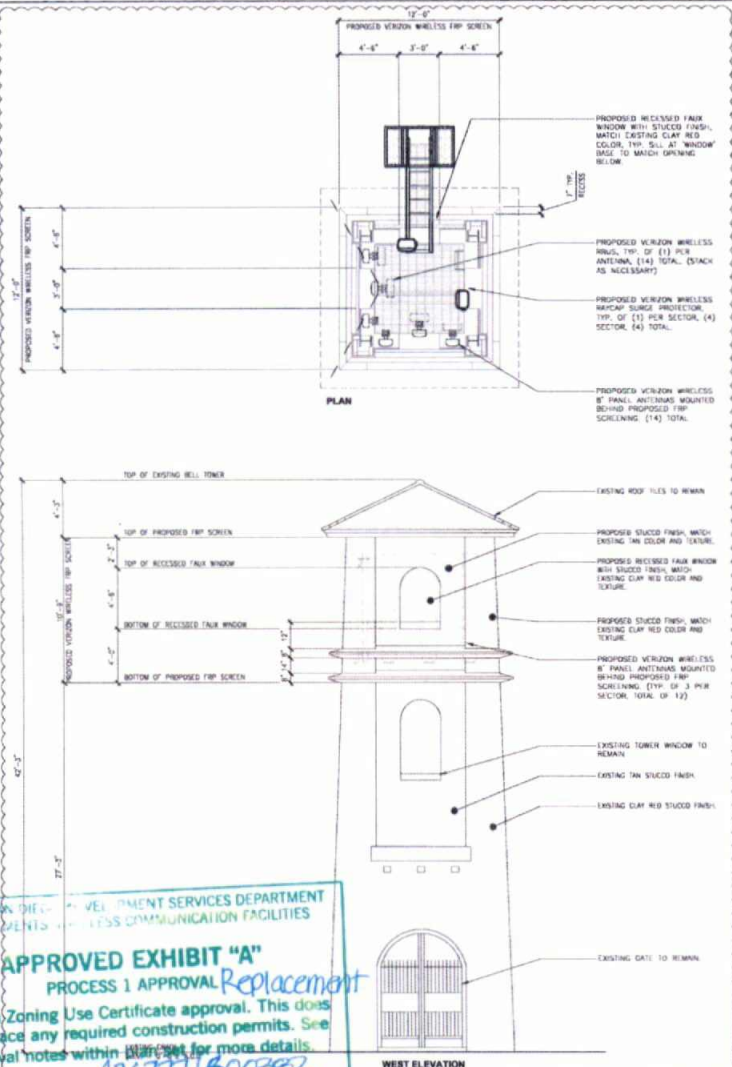
SEAL

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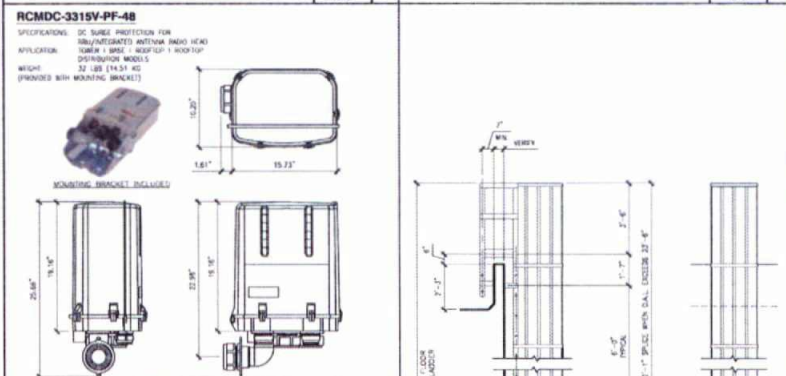
**ARCHITECTURAL
DETAILS**

SHEET NUMBER:

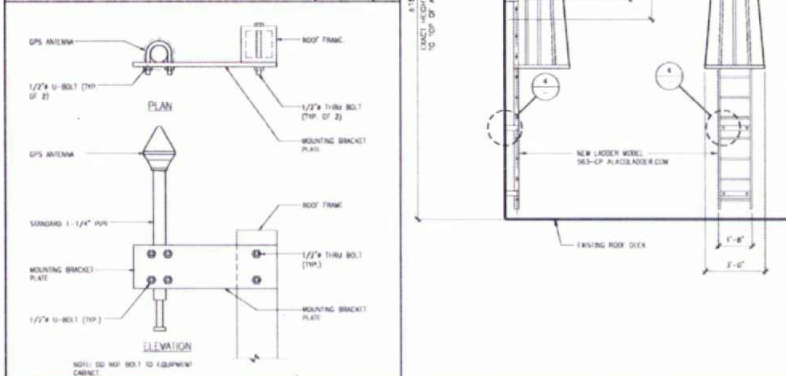
A-6



RCMDC-3315-PF-48 SURGE MTG. AT CONC OR CMU WALL



RCMDC-3315-PF-48 DETAIL



GPS ANTENNA MOUNT

LADDER DETAIL

CITY OF SAN DIEGO - DEVELOPMENT SERVICES DEPARTMENT
ENTITLEMENTS - LESS COMMUNICATION FACILITIES

APPROVED EXHIBIT "A"
PROCESS 1 APPROVAL

This is a Zoning Use Certificate approval. This does not replace any required construction permits. See approval notes within plan set for more details.

Project Number: 4267771600302
Approval Date: 4/18/18
Signed (1st Sheet):

TOWER FINISH DETAIL

GPS ANTENNA MOUNT

LADDER DETAIL

Product Specifications

VHL724-11-608
4.0' x 1.0' x 1.0' High Performance Low Profile Antenna, 10 dBi Gain, 1.0' x 1.0' x 1.0' Dimensions, 10 dBi Gain, 1.0' x 1.0' x 1.0' Dimensions, 10 dBi Gain, 1.0' x 1.0' x 1.0' Dimensions

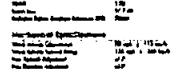


CHARACTERISTICS

General Characteristics	Notes
Antenna Type	10 dBi Gain, 1.0' x 1.0' x 1.0' Dimensions
Antenna Size	1.0' x 1.0' x 1.0'
Antenna Weight	10 lbs
Antenna Material	Aluminum
Antenna Finish	Paint
Antenna Mounting	1.0' x 1.0' x 1.0' Dimensions
Antenna Orientation	1.0' x 1.0' x 1.0' Dimensions
Antenna Location	1.0' x 1.0' x 1.0' Dimensions
Antenna Installation	1.0' x 1.0' x 1.0' Dimensions
Antenna Maintenance	1.0' x 1.0' x 1.0' Dimensions
Antenna Replacement	1.0' x 1.0' x 1.0' Dimensions
Antenna Disposal	1.0' x 1.0' x 1.0' Dimensions

Product Specifications

VHL724-11-608
4.0' x 1.0' x 1.0' High Performance Low Profile Antenna, 10 dBi Gain, 1.0' x 1.0' x 1.0' Dimensions, 10 dBi Gain, 1.0' x 1.0' x 1.0' Dimensions, 10 dBi Gain, 1.0' x 1.0' x 1.0' Dimensions



CHARACTERISTICS

General Characteristics	Notes
Antenna Type	10 dBi Gain, 1.0' x 1.0' x 1.0' Dimensions
Antenna Size	1.0' x 1.0' x 1.0'
Antenna Weight	10 lbs
Antenna Material	Aluminum
Antenna Finish	Paint
Antenna Mounting	1.0' x 1.0' x 1.0' Dimensions
Antenna Orientation	1.0' x 1.0' x 1.0' Dimensions
Antenna Location	1.0' x 1.0' x 1.0' Dimensions
Antenna Installation	1.0' x 1.0' x 1.0' Dimensions
Antenna Maintenance	1.0' x 1.0' x 1.0' Dimensions
Antenna Replacement	1.0' x 1.0' x 1.0' Dimensions
Antenna Disposal	1.0' x 1.0' x 1.0' Dimensions

CITY OF SAN DIEGO - DEVELOPMENT SERVICES DEPARTMENT
ENTITLEMENTS - WIRELESS COMMUNICATION FACILITIES

APPROVED EXHIBIT "A"

PROCESS 1 APPROVAL Replacement

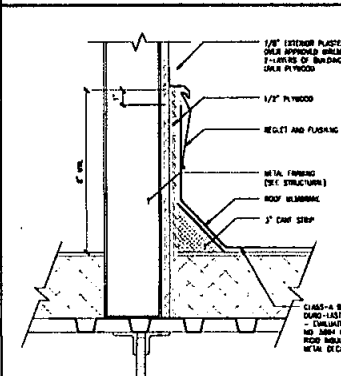
This is a Zoning Use Certificate approval. This does not replace any required construction permits. See approval notes within plan set for more details.

Project Number: 421011/600382

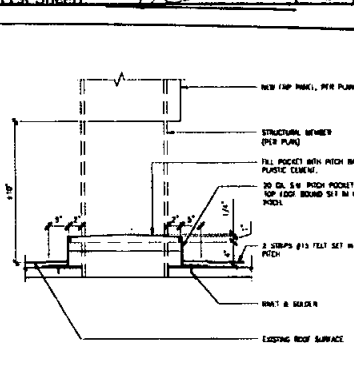
Approval Date: 6/18/18

Signed (1st Sheet):

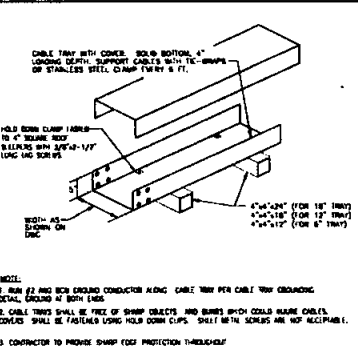
MICROWAVE DISH SPECIFICATIONS



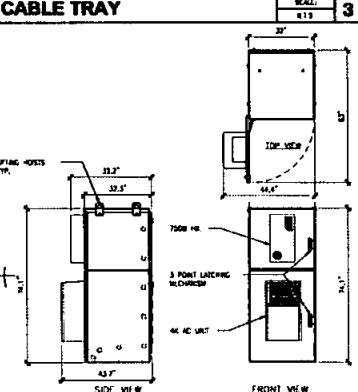
TYP. CANT STRIP DETAIL



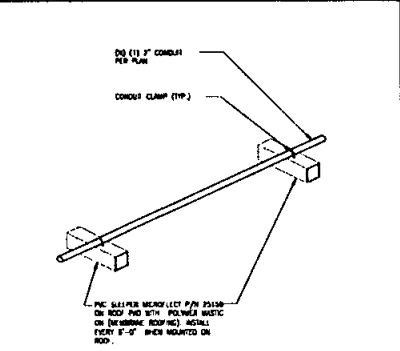
PITCH POCKET



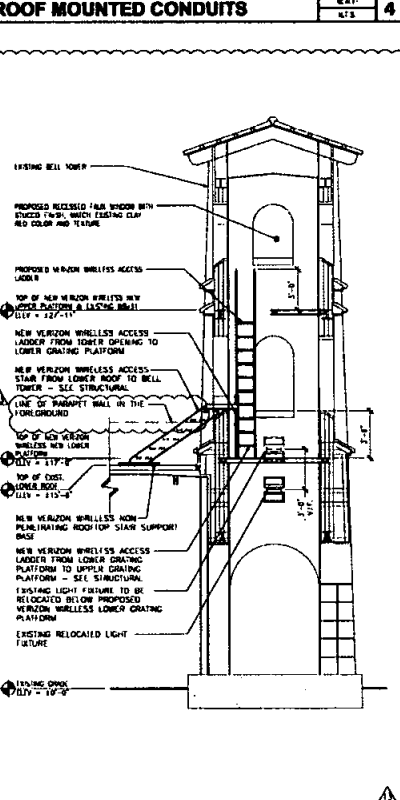
CABLE TRAY



MCE LIT FIBER CABINET



ROOF MOUNTED CONDUITS



CLOCK TOWER SECTION

verizon

1000 SAN DIEGO AVENUE
SAN DIEGO, CA 92108

PLANS PREPARED BY:

NATIONAL
ENGINEERING & CONSULTING, INC.
11111 SAN DIEGO AVENUE, SUITE 100
SAN DIEGO, CA 92131

CLIENTS

NO.	DATE	DESCRIPTION	BY
4	07/09/15	REVISION	ADR
5	07/17/15	REVISION	ADR
6	12/03/15	90% CD'S	JY
7	12/15/15	100% CD'S	JY
8	04/07/16	PLAN CHECK COMMENTS	JY
9	05/25/16	SIGNOFF UPDATE	KH
10	01/26/17	FIBER ADDITION	JY
11	05/18/17	PLAN CHECK CORRECTION	KH
12	08/28/17	REVIS UPDATE	JY
13	08/11/18	CONSTRUCTION CHANGE	SV

SITE INFORMATION

IMPERIAL 25TH
PROPERTY ADDRESS:
1501 IMPERIAL AVENUE
SAN DIEGO, CA 92101
BUILDING ADDRESS:
2501 IMPERIAL AVENUE
SAN DIEGO, CA 92102

SEAL:

SHEET TITLE:

ARCHITECTURAL DETAILS

SHEET NUMBER:

A-7