

T-Mobile®

T-Mobile®

SITE NUMBER: SF13046A

SITE NAME: MORRELL PLAZA (M)

SITE TYPE: ROOFTOP

CITY: BURLIGAME

COUNTY: SAN MATEO

JURISDICTION: CITY OF BURLINGAME

PLANS PREPARED BY:



CONSULTING GROUP:



PROJECT SUMMARY:

SITE ADDRESS: 777 MORRELL AVE., BURLINGAME, CA 94010
GEODETIC COORDINATES: NAD 1983: LATITUDE: 37.58646100N LONGITUDE: -122.35118800W

PROPERTY OWNER: MORRELL PLAZA HOA, 777 MORRELL AVE, BURLINGAME, CA 94010

APPLICANT: T-MOBILE WEST CORPORATION, 1855 GATEWAY BLVD., 9TH FLOOR, CONCORD, CA 94520-3200

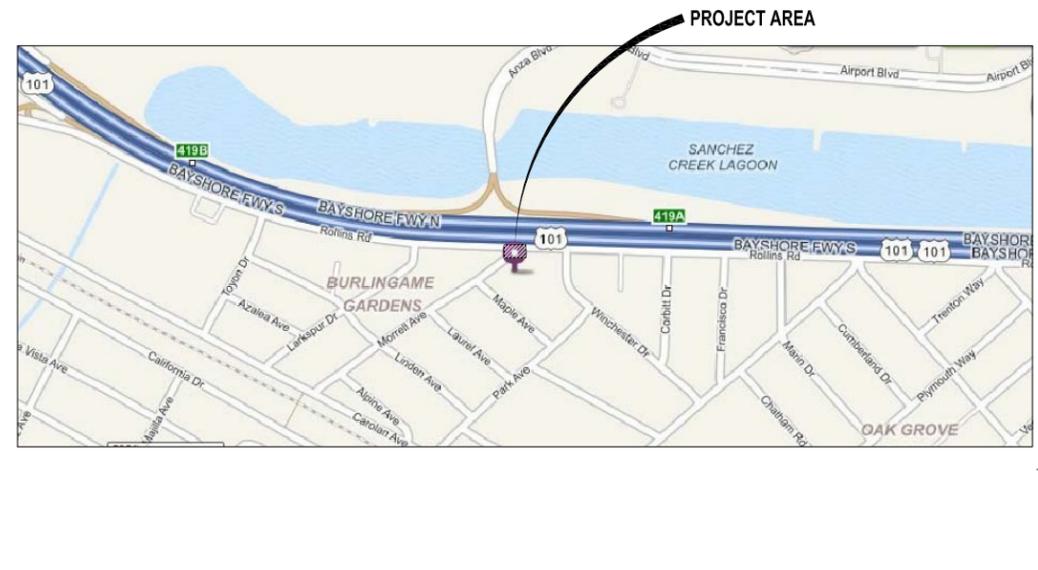
PROJECT DESCRIPTION (702Cu RFDS V.3):
THIS PROJECT INCLUDES THE MODIFICATIONS TO AN EXISTING T-MOBILE WIRELESS FACILITY, INCLUDING:
• ADD (3) NEW 6'-0" TALL DUAL 700MHz ANTENNAS TO THE EXISTING ANTENNA STRUCTURE
• ADD (3) NEW 700MHz RRUS11B12 TO THE EXISTING ANTENNA STRUCTURE
NO A/C ELECTRICAL WORK IS PROPOSED FOR THIS PROJECT

BUILDING SUMMARY:
OCCUPANCY CLASSIFICATION: B (TELEPHONE EXCHANGE)
TYPE OF CONSTRUCTION: V-B
TOTAL LEASE AREA: ± SQ. FT.
ASSESSORS PARCEL NUMBER: 108-050-110 THRU 108-050-180

SHEET INDEX:

SHEET NUMBER:	DESCRIPTION:
T-1	TITLE SHEET
T-2	ABBREVIATIONS, SYMBOLS, GENERAL NOTES & SPECIFICATIONS
A-1	SITE PLAN & EQUIPMENT PLAN
A-2	ANTENNA SCHEDULE & ANT. LAYOUTS
A-3	ARCHITECTURAL ELEVATIONS
A-3.1	ARCHITECTURAL ELEVATIONS
A-4	ARCHITECTURAL DETAILS
E-1	EXISTING SINGLE LINE AND PANEL SCHEDULE

VICINITY MAP:



NO.	DATE:	DESCRIPTION:	BY:
0	09/23/15	90% CD'S	HL
1	10/09/15	100% CD'S	HL
2	10/12/15	100% CD'S	JR

SITE INFORMATION:

MORRELL PLAZA (M)
SF13046A
777 MORRELL AVE.
BURLINGAME, CA 94010

SEAL:

CONSULTING TEAM:

PROJECT MANGER: CORE DEVELOPMENT SERVICES, 10 ROLLINS ROAD, SUITE 202, MILLBRAE, CA 94030, CONTACT: GINBAR KETEMA, PHONE: (510) 999-1737, EMAIL: gketema@core.us.com
ARCHITECTURAL & ENGINEERING: CDG-CONNELL DESIGN GROUP, L.L.C., 26455 RANCHO PKWY SOUTH, LAKE FOREST, CA 92630, CONTACT: DAN CONNELL, PHONE: (949) 306-4644

ZONING MANAGER: CORE DEVELOPMENT SERVICES, 10 ROLLINS ROAD, SUITE 202, MILLBRAE, CA 94030, CONTACT: ASHLEY WOODS, PHONE: (714) 293-5075, EMAIL: awoods@core.us.com

CONSTRUCTION MANAGER: T-MOBILE, CONTACT: VINOD MANOHARAN, PHONE: (510) 509-0755, EMAIL: Vinod.Manoharan2@T-Mobile.com

APPROVALS:

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

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

DRIVING DIRECTIONS:

- DIRECTIONS FROM SAN FRANCISCO AIRPORT:
1. START OUT GOING EAST ON AIRPORT ACCESS RD.
 2. TURN SLIGHT LEFT TOWARD US-101/1-380/1-280.
 3. TURN SLIGHT LEFT ONTO AIRPORT ACCESS RD.
 4. MERGE ONTO US-101 S/BAYSHORE FWY S TOWARD SAN JOSE.
 5. TAKE EXIT 419B TOWARD BROADWAY/BURLINGAME.
 6. KEEP LEFT TO TAKE THE RAMP TOWARD AIRPORT BLVD/OLD BAYSHORE HWY.
 7. KEEP STRAIGHT TO TAKE THE RAMP TOWARD AIRPORT BLVD/OLD BAYSHORE HWY.
 8. KEEP STRAIGHT TO TAKE THE RAMP TOWARD AIRPORT BLVD/OLD BAYSHORE HWY.
 9. KEEP RIGHT TO TAKE THE RAMP TOWARD AIRPORT BLVD/OLD BAYSHORE HWY/BAYSHORE HWY.
 10. TURN LEFT ONTO ROLLINS RD.
 11. TURN RIGHT ONTO MORRELL AVE.
 12. 777 MORRELL AVE IS ON THE LEFT.

APPLICABLE CODES

BUILDING CODE: CALIFORNIA BUILDING CODE 2013
ALL WORK IS TO COMPLY WITH THE 2013 CALIFORNIA BUILDING CODE (CBC)
TIA-222-G LIFE SAFETY CODE NFPA-101, 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS
AISC - CONSTRUCTION MANUAL, 9TH EDITION OR LATER.
CEC (CALIFORNIA ELECTRICAL CODE) 2013

SHEET TITLE:

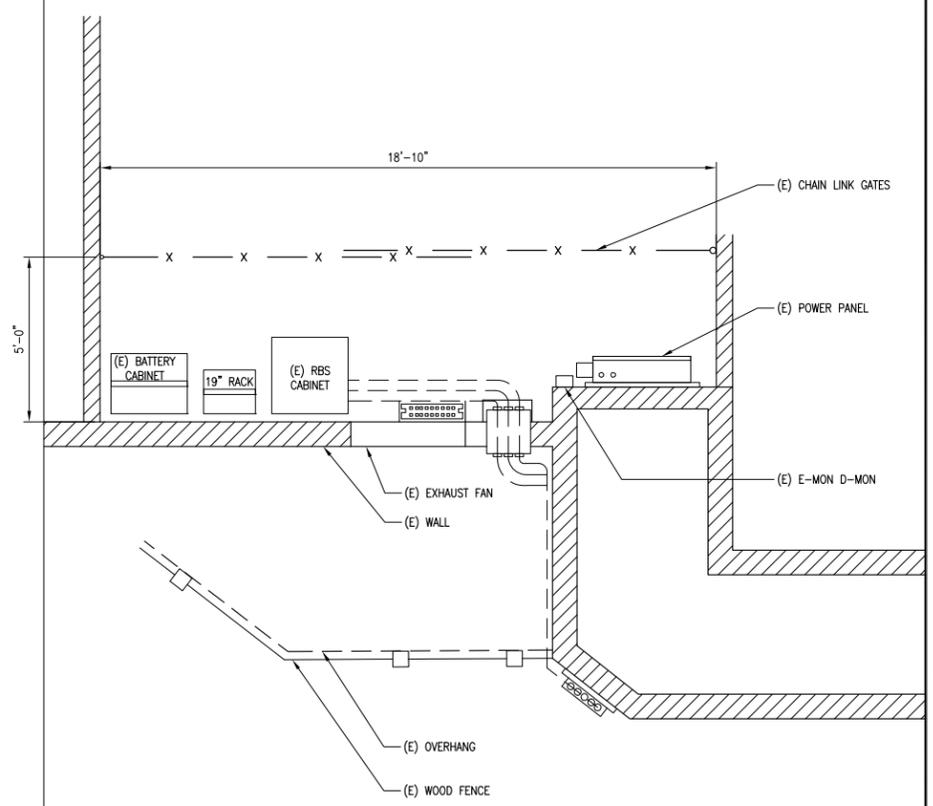
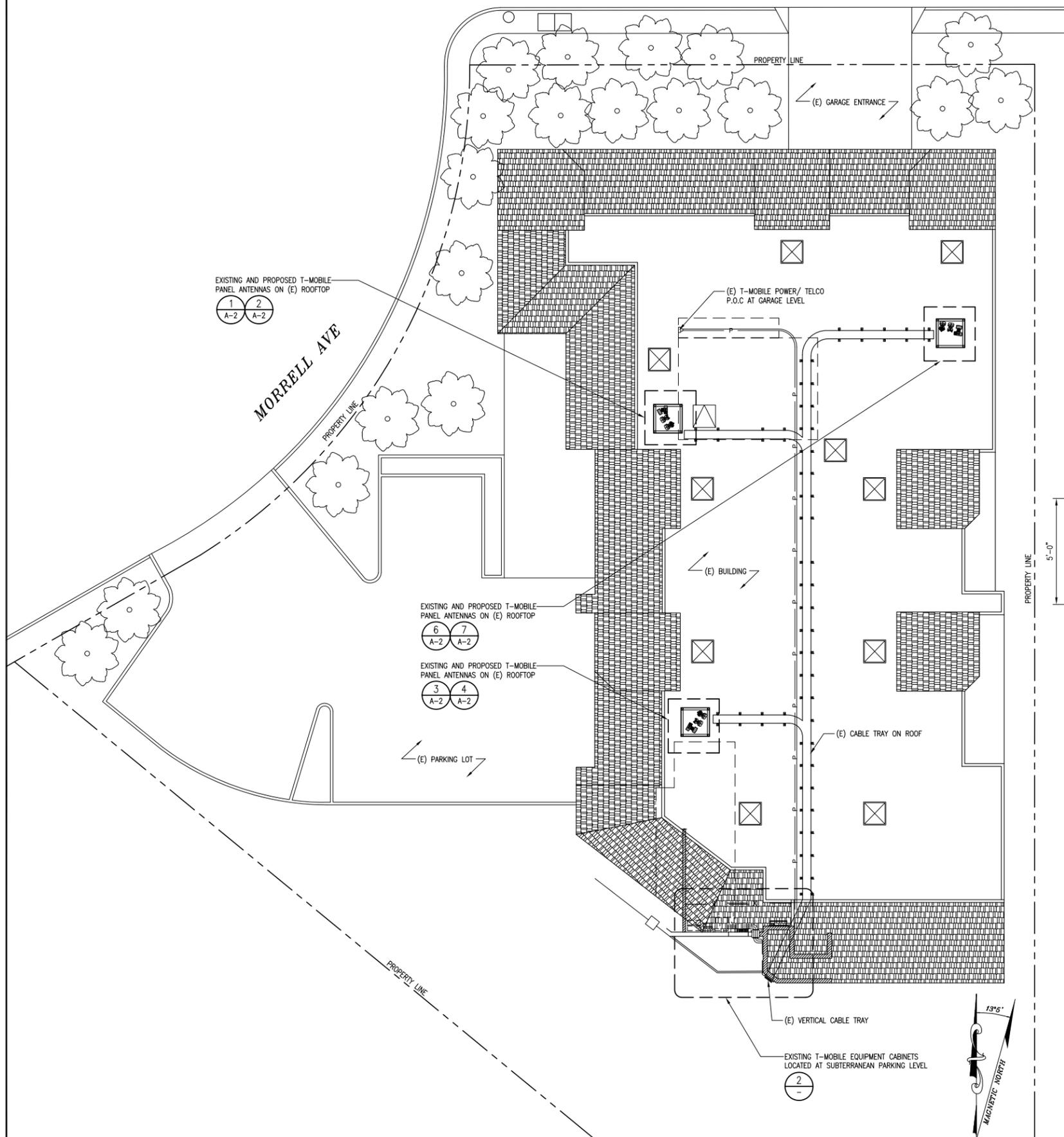
TITLE SHEET

SHEET NUMBER:

T-1

MORRELL AVE

NOTE:
SITE PLAN IS PRELIMINARY
AND DONE WITHOUT THE
BENEFIT OF A SURVEY.



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SEAL:

SHEET TITLE:

**SITE PLAN &
EQUIPMENT PLAN**

SHEET NUMBER:

A-1

SITE PLAN

SCALE: 1"=10'-0" 0 5' 10' 1

EQUIPMENT PLAN

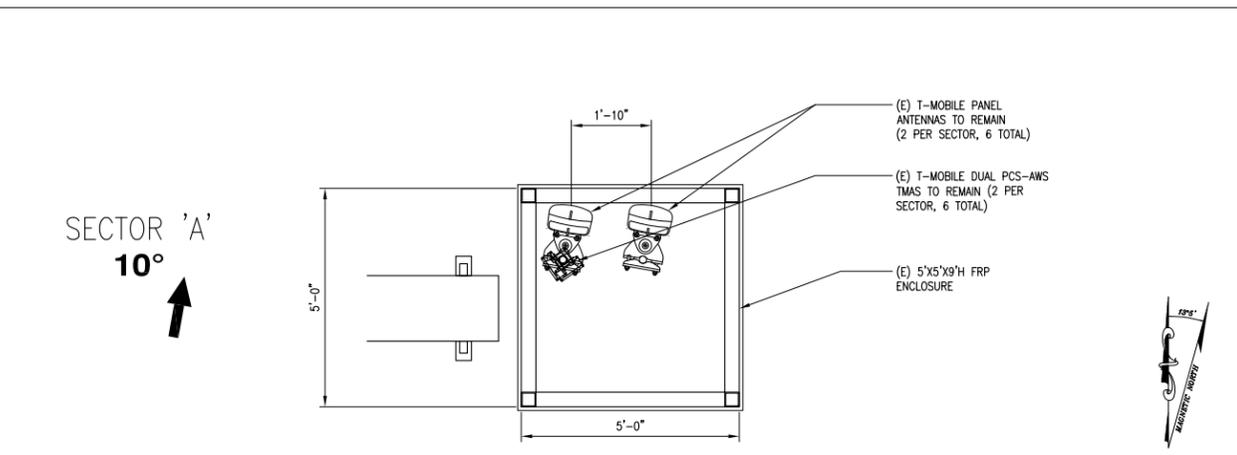
SCALE: 3/8"=1'-0" 0 1' 2' 3' 2

EXISTING ANTENNA SCHEDULE									
SECTOR	ANTENNA			ANTENNA AZIMUTH	RAD CENTER	TMA / RRU	CABLE TYPE	CABLE LENGTH	
	ANT. TECH.	MODEL	SIZE						
SECTOR "A"	A1	GSM/UMTS_PCS UMTS_AWS	AIR21 B2A/B4P	56"	10°	38'-0"	(2) DUAL PCS-AWS	(4) 1 5/8" COAX (1) HCS 3x6	160'
	A2	LTE_AWS	AIR21 B4A/B2P	56"	10°	38'-0"	N/A		
SECTOR "B"	B1	GSM/UMTS_PCS UMTS_AWS	AIR21 B2A/B4P	56"	120°	38'-0"	(2) DUAL PCS-AWS	(4) 7/8" COAX (1) HCS 3x6	110'
	B2	LTE_AWS	AIR21 B4A/B2P	56"	120°	38'-0"	N/A		
SECTOR "C"	C1	GSM/UMTS_PCS UMTS_AWS	AIR21 B2A/B4P	56"	240°	38'-0"	(2) DUAL PCS-AWS	(4) 1 5/8" COAX (1) HCS 3x6	200'
	C2	LTE_AWS	AIR21 B4A/B2P	56"	240°	38'-0"	N/A		

PROPOSED ANTENNA SCHEDULE (RFDS VERSION 2)									
SECTOR	ANTENNA			ANTENNA AZIMUTH	RAD CENTER	TMA / RRU	CABLE TYPE	CABLE LENGTH	
	ANT. TECH.	MODEL	SIZE						
SECTOR "A"	A1	GSM/UMTS_PCS UMTS_AWS	AIR21 B2A/B4P	56"	10°	38'-0"	(2) DUAL PCS-AWS	(4) 1 5/8" COAX (1) FIBER HCS 3x6	160'
	A2	LTE_AWS	AIR21 B4A/B2P	56"	10°	38'-0"	N/A		
	A3	LTE_700	APXVF18-C-A20	72"	10°	37'-4"	(1) RRU11B12		
SECTOR "B"	B1	GSM/UMTS_PCS UMTS_AWS	AIR21 B2A/B4P	56"	120°	38'-0"	(2) DUAL PCS-AWS	(4) 7/8" COAX (1) FIBER HCS 3x6	110'
	B2	LTE_AWS	AIR21 B4A/B2P	56"	120°	38'-0"	N/A		
	B3	LTE_700	APXVF18-C-A20	72"	120°	37'-4"	(1) RRU11B12		
SECTOR "C"	C1	GSM/UMTS_PCS UMTS_AWS	AIR21 B2A/B4P	56"	240°	38'-0"	(2) DUAL PCS-AWS	(4) 1 5/8" COAX (1) FIBER HCS 3x6	200'
	C2	LTE_AWS	AIR21 B4A/B2P	56"	240°	38'-0"	N/A		
	C3	LTE_700	APXVF18-C-A20	72"	240°	37'-4"	(1) RRU11B12		

ANTENNA SCHEDULE

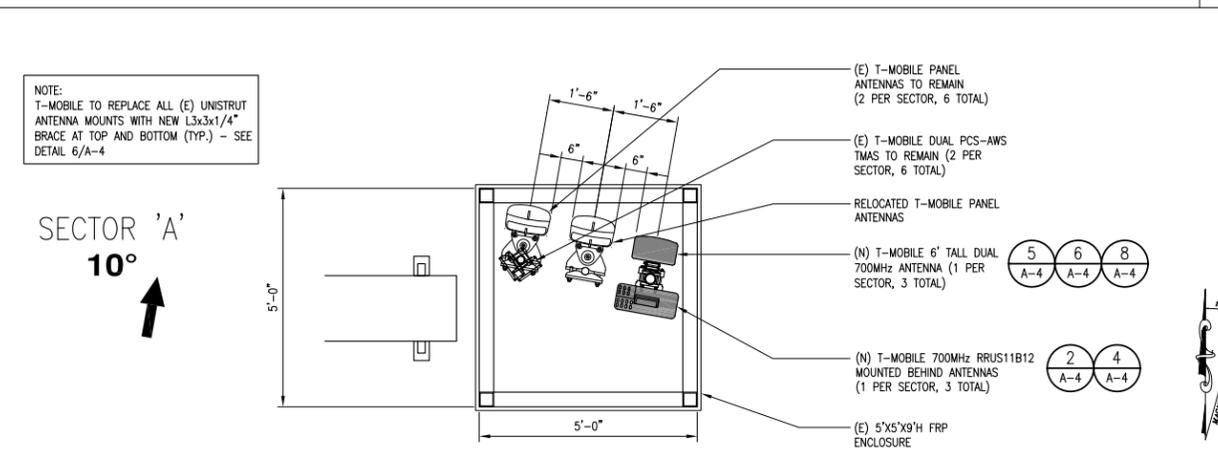
7



EXISTING ANTENNA LAYOUT - SECTOR 'A'

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

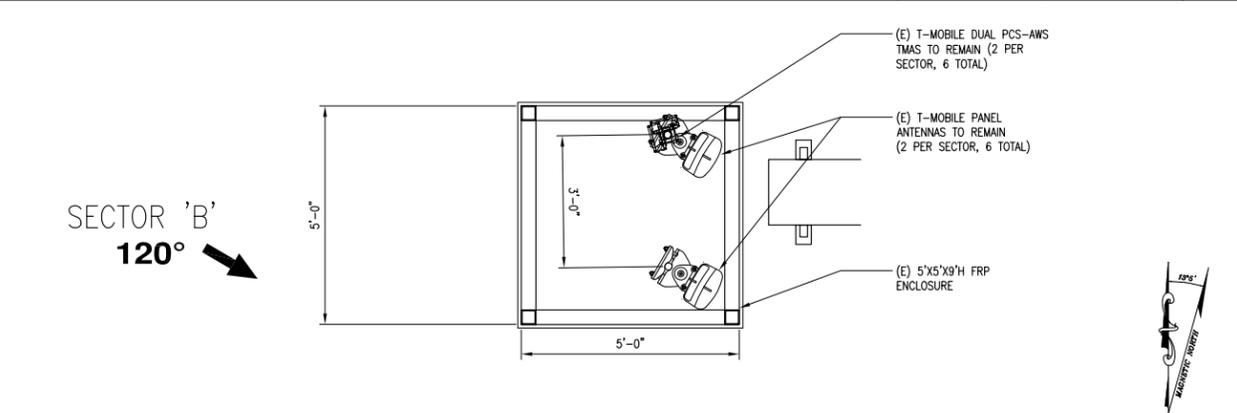
6



PROPOSED ANTENNA LAYOUT - SECTOR 'A'

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

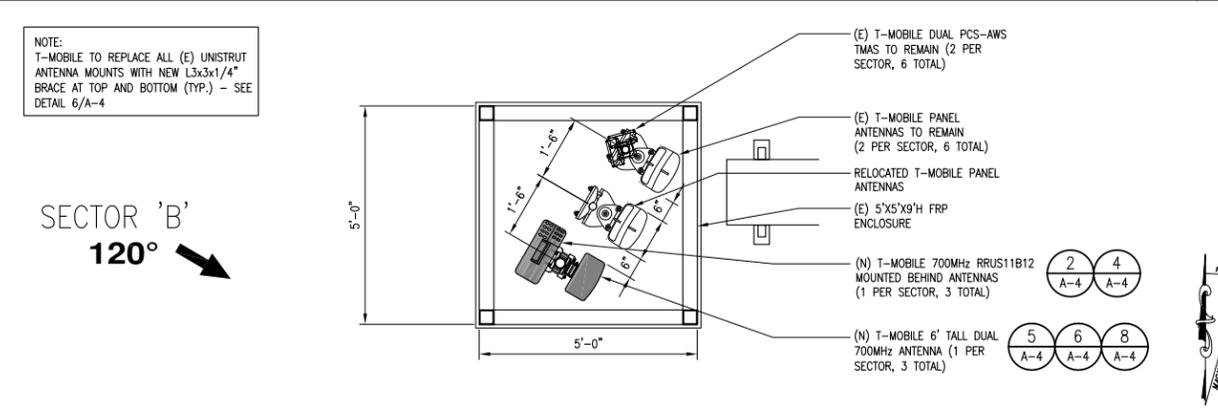
5



EXISTING ANTENNA LAYOUT - SECTOR 'B'

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

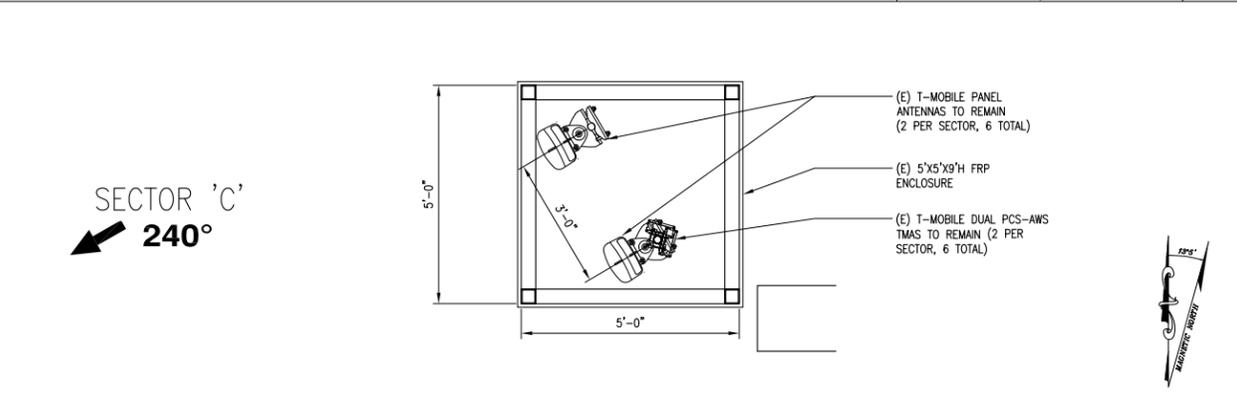
4



PROPOSED ANTENNA LAYOUT - SECTOR 'B'

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

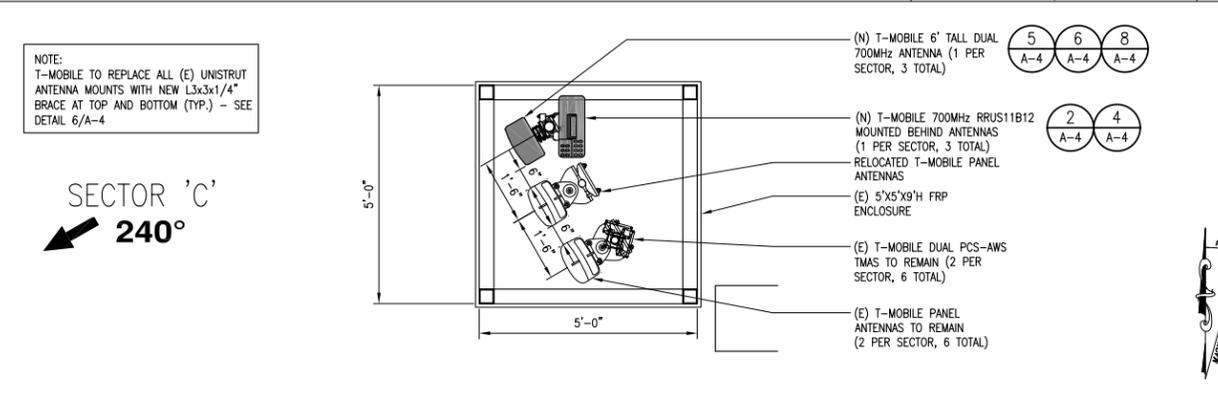
3



EXISTING ANTENNA LAYOUT - SECTOR 'C'

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

2



PROPOSED ANTENNA LAYOUT - SECTOR 'C'

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

1



PLANS PREPARED BY:



CONSULTING GROUP:



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SEAL:

SHEET TITLE:

**ANTENNA SCHEDULE &
ANTENNA LAYOUTS**

SHEET NUMBER:

A-2

PLANS PREPARED BY:



CONNELL DESIGN GROUP, LLC
CONSULTING CIVIL ENGINEERS
26455 Rancho Pkwy South, Lake Forest, CA 92630
(949) 753-8807 OFFICE - (949) 753-8833 FAX

CONSULTING GROUP:



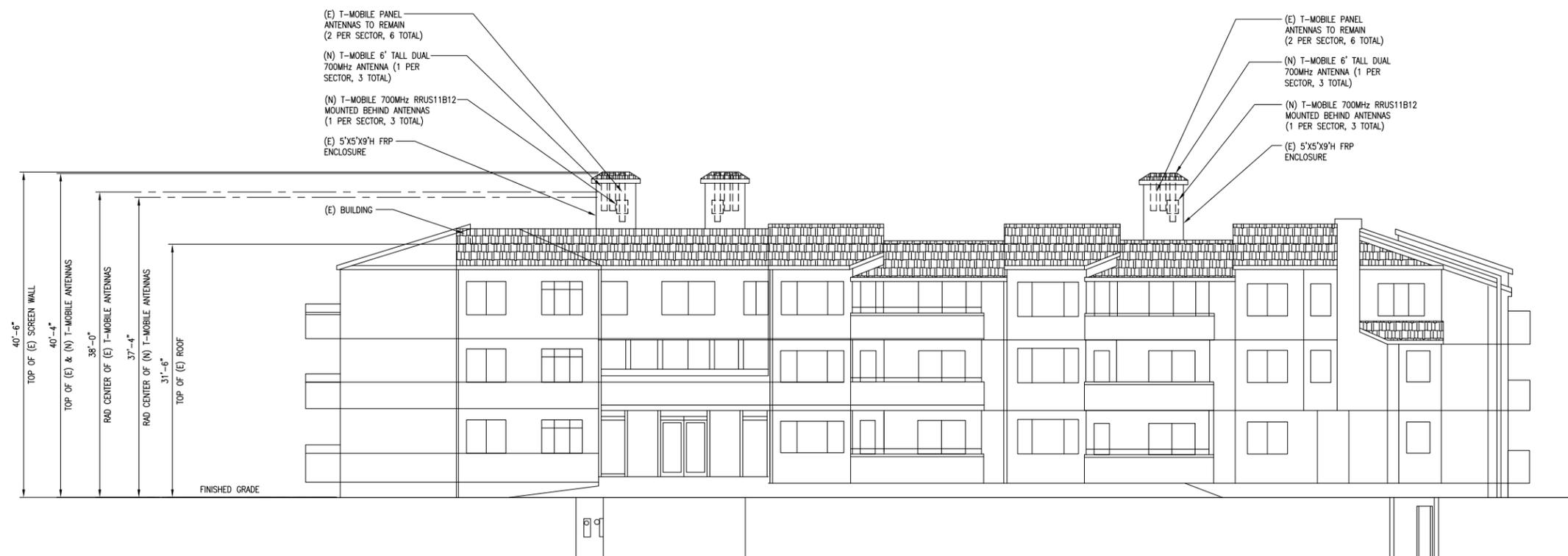
DEVELOPMENT SERVICES
10 ROLLINS ROAD, SUITE 202
MILLBRAE, CA 94030

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2	10/12/15	100% CD'S	JR



EXISTING WEST ELEVATION

SCALE:
1/8"=1'-0" 0 4' 8' 1



PROPOSED WEST ELEVATION

SCALE:
1/8"=1'-0" 0 4' 8' 2

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SHEET TITLE:

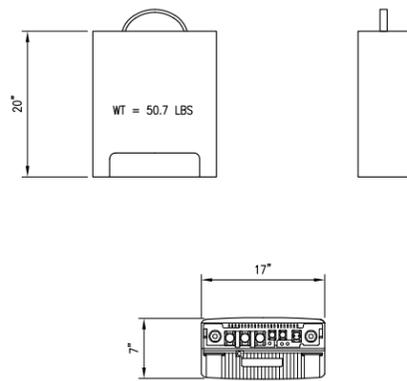
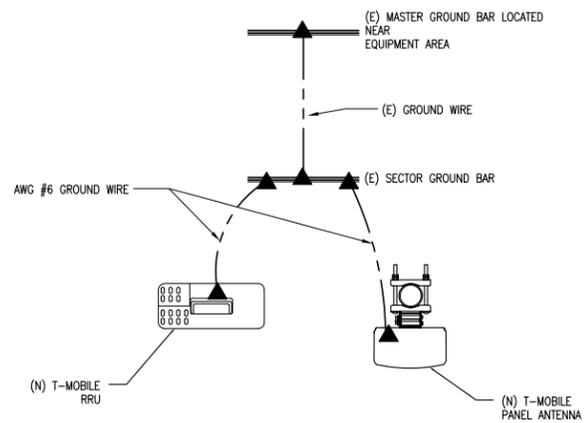
**ARCHITECTURAL
ELEVATIONS**

SHEET NUMBER:

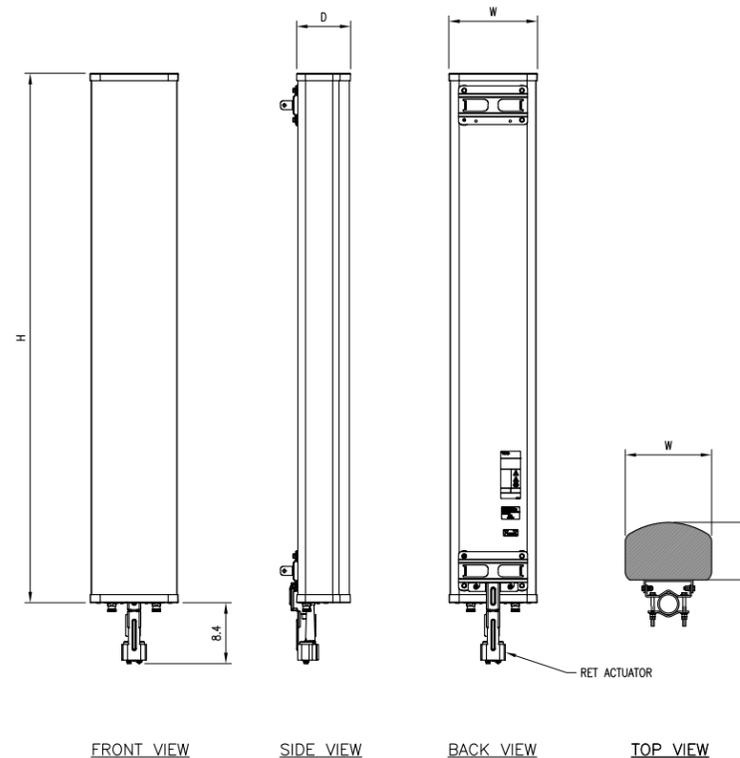
A-3.1

SYMBOL LEGEND

- EXOTHERMIC CONNECTION
- ▲ MECHANICAL CONNECTION



700MHz COMMSCOPE ANTENNAS				
MODEL	HEIGHT, H (IN)	WIDTH, W (IN)	DEPTH, D (IN)	WEIGHT (LBS)
(6') APXVF18-C-A20	72	11.8	7.9	54



ATM200-A20 RET ACTUATOR
 WIDTH - 71.1 MM | 2.8 IN
 DEPTH - 53.3 MM | 2.1 IN
 HEIGHT - 203.20 MM | 8.00 IN
 WEIGHT - 0.2 KG | 0.5 LB

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777 MORRELL AVE.
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SEAL:

SHEET TITLE:

**ARCHITECTURAL
 DETAILS**

SHEET NUMBER:

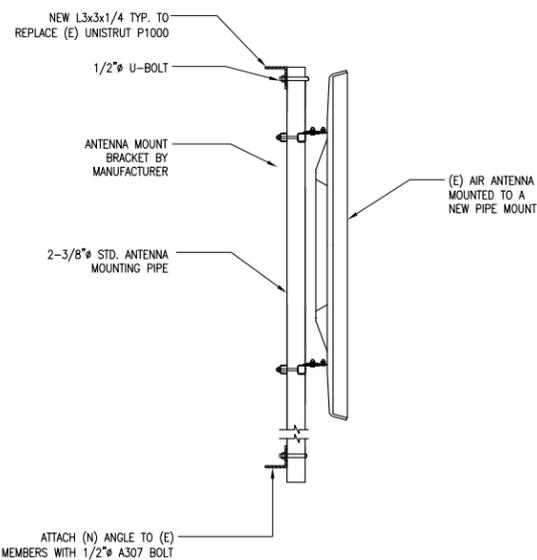
A-4

ANTENNA / RRU GROUNDING

SCALE:
 N.T.S.

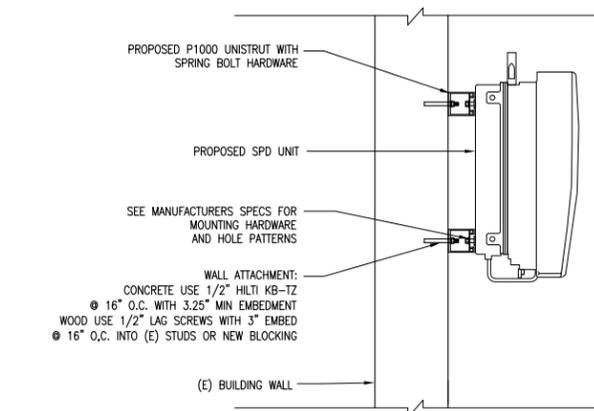
RRUS DETAIL

SCALE:
 N.T.S.



RRUS MOUNTING DETAIL

SCALE:
 N.T.S.



ANTENNA MOUNTING DETAIL

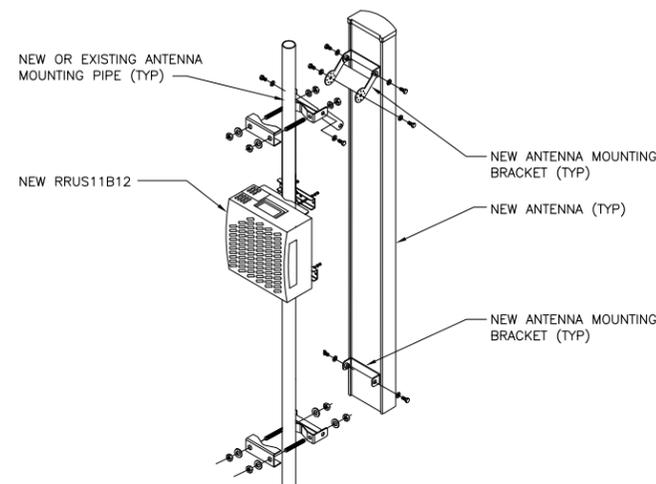
SCALE:
 N.T.S.

SPD UNIT MOUNTING

SCALE:
 N.T.S.

6' TALL DUAL 700 MHz ANTENNA DETAILS

SCALE:
 N.T.S.



ANTENNA MOUNTING DETAIL

SCALE:
 N.T.S.

SPD UNIT MOUNTING

SCALE:
 N.T.S.

ANTENNA MOUNTING DETAIL

SCALE:
 N.T.S.

